

## ALPHABETICAL LIST OF MEMBERS

## A

**A'Hearn Michael F**  
Astronomy Dpt  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 6076  
☎ 1 301 314 9067  
✉ ma@astro.umd.edu

**Aannestad Per Arne**  
Physics Dpt  
Arizona State Univ  
Astronomy Program  
Tempe AZ 85287 1504  
USA  
☎ 1 602 965 3644  
☎ 1 602 965 7954

**Aarseth Sverre J**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
☎ 44 12 23 337 523

**Abad Alberto J**  
Dpt Fisica Teorica  
Univ Zaragoza  
E 50009 Zaragoza  
Spain  
☎ 34 7 676 1000  
☎ 34 7 676 1140

**Abad Carlos**  
CIDA  
Box 264  
Merida 5101 A  
Venezuela  
☎ 598 7 471 2780/3883  
☎ 598 7 471 2459  
✉ abad@cida.ve

**Abadi Mario**  
Observ Astronomico  
de Cordoba  
Laprida 854  
5000 Cordoba  
Argentina  
☎ 54 51 214 059  
☎ 54 51 21 0613  
✉ abadi@uncbob.edu.ar

**Abalakin Victor K**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 3392  
☎ 7 812 315 1701  
✉ vicabal@gao.spb.su

**Abbasov Alik R**  
Scientif/Industrial Ass  
of Cosmic Res  
Lenin Pspt 159  
370106 Baku  
Azerbaijan

**Abbott David C**  
APAS  
Univ of Colorado  
Campus Box 391  
Boulder CO 80309 0391  
USA

**Abbott William N**  
Univ of Athens  
Michalacopoulou 42  
GR 115 28 Athens  
Greece  
☎ 30 1 721 3352

**Abd El Hady Ahmed A**  
Astronomy Dpt  
Fac of Sciences  
Cairo Univ  
Geza  
Egypt  
☎ 20 2 572 7022  
☎ 20 2 572 7556

**Abd El Hamid Rabab**  
Nil Res Institute  
Astron/Geophysics  
Cairo 02  
Egypt  
☎ 20 2 78 0046/0645  
☎ 20 2 78 2683

**Abdelatif Toufik**  
CRAAG  
Observ Alger  
BP 63  
Bouzareah 16340  
Algeria  
☎ 213 2 901 572/424  
☎ 213 2 94 11 57

**Abdelkawi M Abubakr**  
ASRT  
101 Kasr El-eini Str  
Cairo 11516  
Egypt  
☎ 20 2 355 7972

**Abdul Aziz Ahmad Zaharim**  
Physics Dpt  
Univ Ke Bangsaan  
Bangi 43600  
Malaysia  
☎ 60 6 829 3849  
☎ 60 6 829 2880  
✉ ohzaha@pkris.oc.ukm.my

**Abdulla Shaker Abdul Aziz**  
SARC  
Scientific Res Council  
Box 2441  
Jadiriya Baghdad  
Iraq  
☎ 964 1 776 5127

**Abele Maris K**  
Astronomical Observ  
Latvian State Univ  
Rainis Bul 19  
LV 226098 Riga  
Latvia  
☎ 371 722 3149  
☎ 371 782 0180

**Abhyankar Krishna D**  
Astronomy Dpt  
Univ of Osmania  
Hyderabad 500 007  
India  
☎ 91 85 1672

**Ables Harold D**  
1512 W Univ Hights Dr N  
Flagstaff AZ 86001 8966  
USA  
☎ 1 520 774 7857  
✉ hables@nofs.navy.mil

**Ables John G**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0310

**Abou-el-ella Mohamed S**  
NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
☎ 20 62 21 405 297

**Aboudarham Jean**  
Observ Paris Meudon  
DASOP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7784  
☎ 33 1 45 07 7469

**Abraham Peter**  
MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 8355  
☎ 49 622 152 8356  
✉ abraham@mpia-hd.mpg.de

**Abraham Zulema**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
☎ 55 11 276 3848

**Abrahamian Hamlet V**  
Byuranan Astrophys Observ  
Armenian Acad Sci  
378433 Byuranan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640  
✉ byuranan@adonis.ias.msk.us

**Abramenko Valentina**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
☎ 380 6554 40704  
✉ avi@crao.crimea.ua

**Abrami Alberto**  
Dpt Astronomia  
Univ d Trieste  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 79 3921  
📠 39 40 30 9418

**Abramowicz Marek**  
Dpt Astron/Astrophys  
Chalmers Technical Univ  
S 412 96 Goteborg  
Sweden  
☎ 46 31 772 3135  
📠 46 31 772 3204  
✉ marek@tfa.fy.chalmers.se

**Abt Helmut A**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 325 9215  
📠 1 520 323 4183  
✉ apj@noao.edu

**Abulazm Mohamed Samir**  
NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
📠 20 62 21 405 297

**Acharya Bannanje S**  
TIFR/Cosmic Ray Gr  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 215 2971  
📠 91 22 495 2110

**Achterberg Abraham**  
Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5212  
📠 31 30 253 1601  
✉ a.achterberg@astro.uu.nl

**Acker Agnes**  
Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0724  
📠 33 3 88 25 0160

**Acton Loren W**  
Physics Dpt  
Montana State Univ  
Bozeman MT 59717 0350  
USA  
☎ 1 406 994 6072  
📠 1 406 994 4452

**Adam Madge G**  
Astrophysics Dpt  
Univ of Oxford  
Keble Rd  
Oxford OX1 3RQ  
UK  
☎ 44 186 527 3999  
📠 44 186 527 3947

**Adams David J**  
Astronomy Dpt  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
📠 44 113 252 2200

**Adams Fred**  
Physics Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 747 4320  
📠 1 313 764 2211  
✉ fadams@umichphys

**Adams Mark T**  
McDonald Observ  
Univ of Texas  
Box 1337  
Fort Davis TX 79734 1337  
USA  
☎ 1 915 426 3263  
📠 1 915 426 3641  
✉ mta@astro.as.utexas.edu

**Adams Thomas F**  
LLNL  
L 170  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 925 422 1248  
📠 1 925 422 3389  
✉ adams35@llnl.gov

**Adams James H**  
NRL  
Code 4154 2  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 2747

**Adamson Andrew**  
School of Physics/Astro  
Lancashire Polytechnic  
Corporation St  
Preston PR1 2TQ  
UK

**Ade Peter A R**  
Astrophysics Group  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5555  
📠 44 181 975 5500

**Adelman Saul J**  
Physics Dpt  
The Citadel  
Charleston SC 29409  
USA  
☎ 1 803 792 6943  
✉ adelmans@citadel.edu

**Adjabshirizadeh Ali**  
Ctr for Astron Res  
Univ of Tabriz  
Tabriz 51664  
Iran  
☎ 98 41 32564

**Adler David Scott**  
STScI/CSC  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4458  
📠 1 301 338 4767  
✉ adler@stsci.edu

**Adolfsson Tord**  
Krageholmsgatan 12  
S 216 19 Malmoe  
Sweden  
☎ 46 40 15 7586

**Aerts Conny**  
Inst v Sterrenkunde  
Katholieke Univ Leuven  
Celestijnenlaan 200B  
B 3001 Leuven  
Belgium  
☎ 32 16 32 70 28  
📠 32 16 32 7999  
✉ conny@ster.kuleuven.ac.be

**Afanas'ev Viktor L**  
SAO  
Acad Sciences  
Nizhnij Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 878 789 2501

**Afanasjeva Praskovya M**  
Pulkovo Observ  
Acad Sciences  
10 Kunuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
📠 7 812 315 1701

**Agekjan Tateos A**  
Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
199178 St Petersburg  
Russia  
☎ 7 812 428 7129  
📠 7 812 428 4259

**Aggarwal Kanti Mal**  
Dpt Pure/App'l Physics  
Queen's Univ  
Belfast BT7 1NN  
UK  
☎ 91 12 32 273 239  
📠 91  
✉ K.Aggarwal@qub.ac.uk

**Agrawal P C**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 495 2311\*393  
📠 91 22 495 2110

**Agüero Estela L**  
Observ Astronomico  
de Cordoba  
Laprida 854  
5000 Cordoba  
Argentina  
☎ 54 51 23 0491/236876  
📠 54 51 21 0613  
✉ agüero@astro.edu.ar

**Aguiar Odylo Denys**  
INPE  
Dpt Astronomia  
CP 515  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 123 41 8977\*689  
📠 55 123 21 8743  
✉ inpedas@brfapesp

**Aguiar Luis A Chiu**  
Observ Astronomico Nacional  
UNAM  
Apt 877  
Ensenada BC 22800  
Mexico  
☎ 52 6 174 4580  
📠 52 6 174 4607  
✉ aguiar@bufadora.astroscu.unam.mx

**Aguiar Maria Luisa**  
UNSM  
Fac Ciencias Fisicas  
Av Arica 830  
Lima 5  
Peru  
☎ 51 2 43 961/52 1343  
✉ mlah@unmsm.pe

**Ahluwalia Harjit Singh**  
Dpt Phys/Astronomy  
Univ New Mexico  
800 Yale Blvd Ne  
Albuquerque NM 87131  
USA  
☎ 1 505 277 2941  
📠 1 505 660 461

**Ahmad Farooq**  
Physics Dpt  
Univ of Kashmir  
Srinagar 190 006  
India  
☎ 91 71559

**Ahmad Imad Aldean**  
Imad-ad Dean Inc  
4323 Rosedale Av  
Bethesda MD 20814  
USA  
☎ 1 301 565 4714

**Ahmed Imam Ibrahim**  
Astronomy Dpt  
Fac of Sciences  
Cairo Univ  
Geza  
Egypt  
☎ 20 2 572 7022  
📠 20 2 572 7556

**Ahmed Mostafa Kamal**

Astronomy Dpt  
 Fac of Sciences  
 Cairo Univ  
 Geza  
 Egypt  
 ☎ 20 2 572 7022  
 ☎ 20 2 572 7556

**Ai Guoxiang**

Beijing Astronomical Obs  
 CAS  
 Beijing 100080  
 China PR  
 ☎ 86 1 255 1968\*1261071  
 ☎ 86 1 256 10855  
 ✉ aigx@sun10.bao.ac.cn

**Aiad A Zaki**

Astronomy Dpt  
 Fac of Sciences  
 Cairo Univ  
 Geza  
 Egypt  
 ☎ 20 2 572 7022  
 ☎ 20 2 572 7556

**Aiello Santi**

Dpt Astronomia  
 Univ d Firenze  
 Largo E Fermi 5  
 I 50125 Firenze  
 Italy  
 ☎ 39 55 43 78540  
 ☎ 39 55 43 5939

**Aikawa Toshiki**

Astron Institute  
 Tohoku Gakuin Univ  
 Ichinazaka Izumi-ku  
 Sendai 981 31  
 Japan  
 ☎ 81 223 75 1111\*318  
 ☎ 81 223 75 4040  
 ✉ aikawa@izcc.tohoku-gakuin.ac.jp

**Aikman G Chris I**

NRCC/HIA  
 DAO  
 5071 W Saanich Rd  
 Victoria BC V8X 4M6  
 Canada  
 ☎ 1 250 363 0008  
 ☎ 1 250 363 0045  
 ✉ aikman@dao.nrc.ca

**Aime Claude**

Dpt Astrophysique  
 Universite Nice  
 Parc Valrose  
 F 06034 Nice Cdx  
 France  
 ☎ 33 4 93 51 9100  
 ☎ 33 4 93 52 9806

**Aitken David K**

5 Dewsbury Cottages  
 Bishophill  
 York YO1 1HB  
 UK  
 ✉ dave@phadfa.ph.adfa.oz.au

**Aizenman Morris L**

NSF  
 Div Astron Sci  
 4201 Wilson Blvd  
 Arlington VA 22230  
 USA  
 ☎ 1 703 306 1820  
 ☎ 1 703 306 0525  
 ✉ maizenman@nsf.gov

**Aizu Ko**

3-24-3 Katabira  
 Asao Ku  
 Kawasaki  
 Japan

**Akabane Kenji A**

Tokyo Astronomical Obs  
 NAOJ  
 Osawa Mitaka  
 Tokyo 181  
 Japan  
 ☎ 81 267 98 2831  
 ☎ 81 422 34 3793

**Akabane Tokuhide**

Hida Observ  
 Kyoto Univ  
 Kamitakara  
 Gifu 506 13  
 Japan  
 ☎ 81 578 62 311

**Akan Mustafa Can**

Dpt Astron/Space Sci  
 Ege Univ Observ  
 Box 21  
 35100 Bornova Izmir  
 Turkey  
 ☎ 90 232 388 0110\*2322  
 ✉ efeast04@vm3090.ege.edu.tr

**Akcaayli Melek M A**

Dpt Astron/Space Sci  
 Ege Univ  
 Box 21  
 35100 Bornova Izmir  
 Turkey  
 ☎ 90 232 388 0110\*2322

**Ake Thomas Bellis**

NASA GSFC  
 Code 681  
 Greenbelt MD 20771  
 USA  
 ☎ 1 301 286 3924  
 ☎ 1 301 286 1752  
 ✉ hrsake@hrs.dsfc.nasa.gov

**Akim Efraim L**

Keldysh Inst Applied Maths  
 Acad Sciences  
 Miusskaja Sq 4  
 125047 Moscow  
 Russia  
 ☎ 7 095 251 3739

**Akimov Leonid**

Astronomical Observ  
 Kharkiv State Univ  
 Sumskaja Ul. 35  
 310002 Kharkiv  
 Ukraine  
 ☎ 380 5724 32428  
 ☎ 380 5724 32428  
 ✉ akimov@astron.kharkov.ua

**Aksnes Kaare**

Inst Theor Astrophys  
 Univ of Oslo  
 Box 1029  
 N 0315 Blindern Oslo 3  
 Norway  
 ☎ 47 22 856 515  
 ☎ 47 22 85 6505  
 ✉ kaare.aksnes@astro.uio.no

**Akujur Chidi E**

School Physical Sci  
 Imo State Univ  
 PMB 2000  
 Owerri  
 Nigeria

**Akyol Mustafa Unal**

Fac of Education  
 Selcuk Univ  
 42090 Konya  
 Turkey

**Al-Malki M B**

Astronomy Dpt  
 King Saud Univ  
 Box 2455  
 Riyadh 11451  
 Saudi Arabia  
 ☎ 966 1 4676 314/23/12  
 ☎ 966 1 467 4253  
 ✉ f40a004@saksu00

**Al-Naimiy Hamid M K**

Al al-Bayt Univ  
 Astron/Space Sci  
 PO Box 130302  
 Mafraq  
 Jordan  
 ☎ 962 6 457 1101  
 ☎ 962 6 569 9270  
 ✉ alnaimiy@yahoo.com

**Al-Sabti Abdul Adim**

Physics Dpt  
 Univ of Baghdad  
 Science College  
 Jadiriya Baghdad  
 Iraq  
 ☎ 964 1 555 2340

**Albers Henry**

62 Prospect St  
 Falmouth MA 02540  
 USA  
 ☎ 1 508 540 0978

**Albinson James**

Physics Dpt  
 Univ of Keele  
 Keele ST5 5BG  
 UK  
 ☎ 44 178 262 1111  
 ☎ 44 178 271 1093  
 ✉ jsa@uk.ac.kl.ph.star

**Albrecht Miguel A**

ESO  
 Karl Schwarzschildstr 2  
 D 85748 Garching  
 Germany  
 ☎ 49 893 200 6346  
 ☎ 49 893 200 6480  
 ✉ malbrecht@eso.org

**Albrecht Rudolf**

Space Telescope ECF  
 ESO Room 419  
 Karl Schwarzschild Str 2  
 D 85748 Garching  
 Germany  
 ☎ 49 893 200 6287  
 ☎ 49 893 200 6480  
 ✉ ralbrech@eso.org

**Albrow Michael**

Dpt Phys/Astronomy  
 Univ of Canterbury  
 Private Bag 4800  
 Christchurch 1  
 New Zealand  
 ☎ 64 3 364 2987\*7579  
 ☎ 64 3 364 2469  
 ✉ m.albrow@phys.canterbury.ac.nz

**Alcaino Gonzalo**

Instituto Isaac Newton  
 Casilla 8 9  
 Santiago 9  
 Chile  
 ☎ 56 2 217 2013  
 ☎ 56 2 217 2352

**Alcolea Javier**

Ctr Astron d Yebes  
 OAN  
 Apt 148  
 E 19080 Guadalajara  
 Spain  
 ☎ 34 1 129 0311  
 ☎ 34 1 129 0063  
 ✉ alcolea@cay.es

**Aldrovandi Ruben**

Inst Fisica Teorica  
 Rua Pamplona 15  
 01065 970 Sao Paulo SP  
 Brazil  
 ☎ 55 11 288 5643

**Alecian Georges**

Observ Paris Meudon  
 DAF  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 74 20  
 ☎ 33 1 45 07 7414  
 ✉ alecian@obsppm.fr

**Alexander David R**

Physics Dpt  
 Wichita State Univ  
 Wichita KS 67260  
 USA  
 ☎ 1 316 689 3190  
 ☎ 1 316 689 3770  
 ✉ dra@twsvuvm.uc.twsu.edu

**Alexander Joseph K**

NASA Headquarters  
 Code P  
 Office of Chief Scientist  
 Washington DC 20546  
 USA

**Alexander Murray E**

NRC  
 Inst for Biodiagnostics  
 435 Ellice Av  
 Winnipeg MB R3B 1Y6  
 Canada

**Alexander Paul**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 294  
☎ 44 12 23 354 599  
✉ pa25@uk.ac.cam.phx

**Alexandrov Yuri V**  
Str Grozenskaya 32  
Apt 117  
310124 Kharkiv  
Ukraine  
☎ 380 5724 57537/43 2428  
✉ alex@astron.kharkov.ua

**Alfaro Emilio Javier**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
☎ 34 5 881 4530  
✉ emilio@iaa.es

**Alighieri Sperello Di Serego**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 43 78540  
☎ 39 55 43 5939

**Alissandrakis C**  
Astrophysics Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414  
☎ 30 1 723 5122  
✉ calissan@cc.uoi.gr

**Alksnis Andrejs**  
Radioastraphys Observ  
Latvian Acad Sci  
Turgeneva 19  
LV 226098 Riga  
Latvia  
☎ 371 13 2 932088  
☎ 371 132 22 8784  
✉ astra@iza.riga.lv

**Aladin Saleh Mohamed**  
Astronomy Dpt  
Univ of Osmania  
Hyderabad 500 007  
India  
☎ 91 71 116

**Allan David W**  
Box 66  
Fountain Green UT 84632  
USA  
☎ 1 801 445 3215  
✉ allanstime@yvax.byu.edu

**Allan Peter M**  
Astronomy Dpt  
Univ Manchester  
Oxford Rd  
Manchester M13 9PL  
UK  
☎ 44 161 275 4224  
☎ 44 161 275 4223

**Allard Nicole**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8082  
☎ 33 1 44 32 8001

**Allegre Claude**  
IPG  
4 Pl Jussieu  
F 75005 Paris  
France

**Allen Anthony John**  
Astronomy Unit  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5454  
☎ 44 181 981 9587  
✉ allen@uk.ac.qmc.maths

**Allen Christine**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3901  
☎ 52 5 616 0653  
✉ chris@astrocu.unam.mx

**Allen Ronald J**  
STSci  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4574  
☎ 1 301 338 4596  
✉ rjallen@stsci.edu

**Allen William**  
Adams Lane Observ  
46 Adams Lane  
Blenheim  
New Zealand  
☎ 64 057 87258

**Aller Hugh D**  
Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 764 3466  
☎ 1 313 764 2211

**Aller Lawrence Hugh**  
Dpt Astronomy/Phys  
UCLA  
Box 951562  
Los Angeles CA 90025 1562  
USA  
☎ 1 310 825 3515  
☎ 1 310 206 2096

**Aller Margo F**  
Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 764 3465  
☎ 1 313 764 2211

**Alley Carrol O**  
Physics Dpt  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 454 3405  
☎ 1 301 314 9547

**Alloin Daniele**  
DAPNIA/SAP  
CEA Saclay  
Orme d Merisiers Bt 709  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 9263  
☎ 33 1 69 08 9266

**Almar Ivan**  
Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
☎ 36 1 275 4668

**Almleaky Yasseen**  
Astronomy Dpt  
Box 9028  
KAAU  
Jeddah 21413  
Saudi Arabia  
☎ 966 2 695 2285  
☎ 966 2 640 0736  
✉ scf3017@sakau03

**Alonso Maria Victoria**  
Observ Astronomico  
de Cordoba  
Laprida 854  
5000 Cordoba  
Argentina  
☎ 54 51 331 006  
☎ 54 51 331 006  
✉ vicky@oac.uncor.edu

**Alpar Ali**  
Physics Dpt  
Middle East Tech Univ  
06531 Ankara  
Turkey  
☎ 90 41 22 337100/ 3259  
☎ 90 41 22 36945  
✉ alpar@trmetu

**Alpher Ralph Asher**  
Physics Dpt  
Union College  
Schenectady NY 12308  
USA  
☎ 1 518 388 6345  
☎ 1 518 388 6947  
✉ alpherr@gar.union.edu

**Altamore Aldo**  
Istt Astronomico  
Univ d Roma La Sapienza  
Via G M Lancisi 29  
I 00161 Roma  
Italy  
☎ 39 6 44 03734  
☎ 39 6 44 03673

**Altavista Carlos A**  
Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 21 7308  
☎ 54 21 211 761

**Altenhoff Wilhelm J**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 293  
☎ 49 228 525 229

**Altrock Richard C**  
AFGL  
NSO  
Box 62  
Sunspot NM 88349  
USA  
☎ 1 505 434 7016  
☎ 1 505 434 7029  
✉ raltrock@sunspot.noao.edu

**Altschuler Daniel R**  
Arecibo Observ  
Box 995  
Arecibo PR 00613  
USA  
☎ 1 809 878 2612  
☎ 1 809 878 1861  
✉ daniel@naic.edu

**Altschuler Martin D**  
Dpt Rad Therapy Box 522  
Hosp Univ Pennsylvania  
3400 Spruce St  
Philadelphia PA 19104  
USA  
☎ 1 215 662 6472

**Alurkar S K**  
PRL  
Navrangpura  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
☎ 91 272 44 5292

**Alvarez Hector**  
Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101  
☎ 56 2 229 4002

**Alvarez Manuel**  
 Observ Astronomico  
 Nacional  
 Box 439027  
 San Ysidro CA 92027  
 USA  
 ☎ 1 706 674 4580  
 ☎ 1 706 667 4607  
 ✉ alvarez@alfa.astroscu.unam.mx

**Alvarez Pedro**  
 IAC  
 Observ d Teide  
 via Lactea s/n  
 E 38200 La Laguna  
 Spain  
 ☎ 34 2 232 9100  
 ☎ 34 2 232 9117  
 ✉ pam@iac.es

**Alvarez Pomares A O**  
 Inst Geophys/Astron  
 C 212 N 2906/29 Y 31  
 Lisa  
 La Habana  
 Cuba  
 ☎ 53 21 8435  
 ✉ biotec@ceniai.cu

**Aly Jean-Jacques**  
 DAPNIA/SAP  
 CEA Saclay  
 BP 2  
 F 91191 Gif s Yvette Cdx  
 France  
 ☎ 33 1 69 08 4030  
 ☎ 33 1 69 08 9266  
 ✉ jly@solar

**Amari Tahar**  
 Observ Paris Meudon  
 DASOP  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7760  
 ☎ 33 1 45 07 7469  
 ✉ amari@obsppm.fr

**Ambastha A K**  
 Udaipur Solar Observ  
 11 Vidya Marg  
 Udaipur 313 001  
 India  
 ☎ 91 25 626

**Ambrosini Roberto**  
 Istt Radioastronomia  
 CNR  
 Via P Gobetti 101  
 I 40129 Bologna  
 Italy  
 ☎ 39 51 639 9385  
 ☎ 39 51 639 9431  
 ✉ ambrosini@astbol.bo.cnr.it

**Ambroz Pavel**  
 Astronomical Institute  
 Czech Acad Sci  
 Fricova 1  
 CZ 251 65 Ondrejov  
 Czech R  
 ☎ 420 204 85 314  
 ☎ 420 2 88 1611  
 ✉ pambroz@asu.cas.cz

**Ambruster Carol**  
 Astronomy Dpt  
 Villanova Univ  
 Mendel Hall  
 Villanova PA 19085  
 USA  
 ☎ 1 215 645 4822  
 ☎ 1 215 645 7465  
 ✉ ambruster@vuvax.com

**Amendola Luca**  
 OAR  
 Via d Parco Mellini 84  
 I 00136 Roma  
 Italy  
 ☎ 39 6 34 7056  
 ☎ 39 6 349 8236  
 ✉ amendola@oarhp1.rm.astro.it

**Amram Philippe**  
 Observ Marseille  
 2 Pl Le Verrier  
 F 13248 Marseille Cdx 04  
 France  
 ☎ 33 4 91 95 9088  
 ☎ 33 4 91 62 1190  
 ✉ amram@observatoire.cnrs.mrs.fr

**Anand S P S**  
 Applied Res Corp  
 8201 Corporate Dr  
 Suite 920  
 Landover MD 20785  
 USA  
 ☎ 1 301 459 8442  
 ☎ 1 301 459 0761

**Anandaram Mandayam N**  
 Physics Dpt  
 Bangalore Univ  
 Jnanabharathi Campus  
 Bangalore 560 056  
 India  
 ☎ 91 300 4001\*275/080 671  
 3955  
 ☎ 91 080 338 9295  
 ✉ libn@bnguni.kar.nic.in

**Ananthakrishnan S**  
 NCRA/TIFR  
 Pune Univ Campus Pb 3  
 Ganeshkhind  
 Pune 411 007  
 India  
 ☎ 91 212 33 6105  
 ☎ 91 212 35 7257  
 ✉ ananth@ncra.tifr.res.in

**Anantharamaiah K R**  
 RRI  
 Sadashivanagar  
 CV Raman Av  
 Bangalore 560 080  
 India  
 ☎ 91 80 334 0122  
 ☎ 91 80 334 0492  
 ✉ anantha@rri.ernet.in

**Andernach Heinz**  
 Dpt Astronomia  
 Univ Guanajuato  
 Apdo 144  
 Guanajuato GTO 36000  
 Mexico  
 ☎ 52 4 732 9548  
 ☎ 52 4 732 0253  
 ✉ heinz@astro.ugto.mx

**Andersen Johannes**  
 Astronomical Observ, NBIfAFG  
 Copenhagen Univ  
 Juliane Maries Vej 30  
 DK 2100 Copenhagen  
 Denmark  
 ☎ 45 35 32 5934  
 ☎ 45 35 32 5989  
 ✉ ja@astro.ku.dk

**Anderson Bryan**  
 NRAL  
 Univ Manchester  
 Jodrell Bank  
 Macclesfield SK11 9DL  
 UK  
 ☎ 44 14 777 1321  
 ☎ 44 147 757 1618

**Anderson Christopher M**  
 Washburn Observ  
 Univ Wisconsin  
 475 N Charter St  
 Madison WI 53706  
 USA  
 ☎ 1 608 262 0492  
 ☎ 1 608 263 0361

**Anderson Kinsey A**  
 Space Sci Laboratory  
 Univ of California  
 Grizzly Peak Blvd  
 Berkeley CA 94720 7950  
 USA  
 ☎ 1 415 642 1313

**Anderson Kurt S**  
 Astronomy Dpt  
 NMSU  
 Box 30001 Dpt 4500  
 Las Cruces NM 88003  
 USA  
 ☎ 1 505 646 1032  
 ☎ 1 505 646 1602

**Andersson Bengt Goeran**  
 Dpt Phys/Astronomy  
 JHU  
 Charles/34th St  
 Baltimore MD 21218  
 USA  
 ☎ 1 410 516 8378  
 ☎ 1 410 516 5494  
 ✉ bg@pha.jhu.edu

**Andreani Paola Michela**  
 Dpt Astronomia  
 Univ d Padova  
 Vic d Osservatorio 5  
 I 35122 Padova  
 Italy  
 ☎ 39 49 829 3442  
 ☎ 39 49 875 9840

**Andreev Vladimir V**  
 Engelhardt Astronom  
 Observ  
 Observatoria Station  
 422526 Kazan  
 Russia  
 ☎ 7 32 4827  
 ☎ 7 38 0924  
 ✉ eao@astro.kazan.su

**Andreic Zeljko**  
 Ruder Boskovic Inst  
 Physics Dpt  
 Bijenicka 54  
 HR 10000 Zagreb  
 Croatia  
 ☎ 385 1 456 1222  
 ☎ 385 1 425 497  
 ✉ andreic@rudjer.irb.hr

**Andrews David A**  
 Armagh Observ  
 College Hill  
 Armagh BT61 9DG  
 UK  
 ☎ 44 18 61 522 928  
 ☎ 44 18 61 522 174

**Andrews Frank**  
 Carter Observ  
 Ntl Observ New Zealand  
 Box 2909  
 Wellington 1  
 New Zealand  
 ☎ 64 4 472 8167  
 ☎ 64 4 472 8320

**Andrews Peter J**  
 Royal Greenwich Obs  
 Madingley Rd  
 Cambridge CB3 0EZ  
 UK  
 ☎ 44 1223 374 000  
 ☎ 44 12 23 374 700

**Andrienko Dmitry A**  
 Astronomical Observ  
 Kyiv State Univ  
 Observatornaya Ul 3  
 252053 Kyiv  
 Ukraine  
 ☎ 380 4421 62691

**Andrievsky Sergei**  
 Astronomy Dpt  
 Odessa State Univ  
 Shevchenko Park  
 270014 Odessa  
 Ukraine  
 ☎ 380 4822 28442  
 ☎ 380 4822 28442  
 ✉ root@astro.odessa.ua

**Andrillat Yvette**  
 OMP  
 14 Av E Belin  
 F 31400 Toulouse Cdx  
 France  
 ☎ 33 5 61 27 3131  
 ☎ 33 5 61 53 2840

**Andronov Ivan**  
 Astronomy Dpt  
 Odessa State Univ  
 Shevchenko Park  
 270014 Odessa  
 Ukraine  
 ☎ 380 4822 28442  
 ☎ 380 4822 28442  
 ✉ root@astro.odessa.ua

**Andronova Anna A**

Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4252  
☎ 7 812 123 4922  
✉ gaoran@mail.wplus.net

**Angel J Roger P**

Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 6541  
✉ rangel@as.arizona.edu

**Angeletti Lucio**

OAR  
Via d Parco Mellini 84  
I 00136 Roma  
Italy  
☎ 39 6 34 7056  
☎ 39 6 349 8236

**Angelov Trajko**

Astronomy Dpt  
Univ of Belgrade  
Studentski Trg 16  
11000 Beograd  
Yugoslavia FR  
☎ 381 11 638 715  
☎ 381 11 630 151

**Angione Ronald J**

Astronomy Dpt  
San Diego State Univ  
San Diego CA 92182  
USA  
☎ 1 619 265 6183  
☎ 1 619 594 1413  
✉ angione@mintaka.sdsu.edu

**Anglada Guillem**

Dpt Astronom Meteo  
Univ Barcelona  
Avd Diagonal 647  
E 08028 Barcelona  
Spain  
☎ 34 3 402 1121  
☎ 34 3 411 0873

**Anguita Claudio**

Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4002  
☎ 56 2 229 4002  
✉ claudio@das.uchile.cl  
✉ anguita@das.uchile.cl

**Anile Angelo M**

Dpt Matematica  
Citta Universitaria  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 0533  
☎ 39 95 33 0592

**Ann Hong Bae**

Dpt Earth Sciences  
Pusan Ntl Univ  
Kum Jong Ku  
Pusan 609 735  
Korea RP  
☎ 82 515 10 2705  
☎ 82 515 13 7495

**Anosova Joanna**

Aerospace Eng Dpt  
Univ of Texas  
WRW 414  
Austin TX 78712  
USA  
☎ 1 512 471 5863  
☎ 1 512 471 3788  
✉ anosova@clyde.as.utexas.edu

**Ansari S M Razaulah**

Physics Dpt  
Aligarh Muslim Univ  
Aligarh Up 202 002  
India  
☎ 91 57 140 1001  
☎ 91 571 400 466

**Antalova Anna**

Astronomical Institute  
Slovak Acad Sciences  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 96 7866  
☎ 421 969 96 7656

**Anthony-Twarog Barbara J**

Dpt Phys/Astronomy  
Univ of Kansas  
Lawrence KS 66045  
USA  
☎ 1 913 864 4933  
☎ 1 913 864 5262  
✉ anthony@kuphsx.phsx.ukans.edu

**Antia H M**

TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 495 2311  
☎ 91 22 495 2110

**Antiochos Spiro Kosta**

NRL  
Code 7675  
4555 Overlook Av SW  
Washington DC 20375 5352  
USA  
☎ 1 202 767 6199  
☎ 1 202 404 7997  
✉ antiochos@solar.stanford.edu

**Antipova Lyudmila I**

Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 0680  
☎ 7 095 230 2081

**Antonacopoulos Greg**

Astronomy Dpt  
Univ of Patras  
GR 261 10 Rion  
Greece  
☎ 30 61 99 7572  
☎ 30 61 99 7636

**Antonello Elio**

Osserv Astronomico  
d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy  
☎ 39 990 6412  
☎ 39 990 8492

**Antonopoulou E**

Astronomy Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3211  
☎ 30 1 723 5122

**Antonov Vadim A**

Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
191187 St Petersburg  
Russia  
☎ 7 812 278 88 35  
☎ 7 812 272 79 68  
✉ ita@iipah.spb.su

**Antonucci Ester**

Istt Fisica  
Univ d Torino  
Corso d Azeglio 46  
I 10125 Torino  
Italy  
☎ 39 11 657 694

**Antonuccio-Delogu Vincenzo**

Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 2244  
☎ 39 95 33 0592  
✉ vantonuccio@astrct.ct.astro.it

**Antov Alexandar**

Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
☎ 359 2 75 8927

**Anupama G C**

IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 0672  
☎ 91 80 553 4043  
✉ gca@iiap.ernet.in

**Anzer Ulrich**

MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 00  
☎ 49 893 299 3235

**Aoki Shinko**

Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
☎ 81 422 34 3793  
✉ baoki2x@c1.mtk.nao.ac.jp

**Aparici Juan**

Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101  
☎ 56 2 229 4002

**Aparicio Antonio**

Carnegie Observatories  
813 Santa Barbara St  
Pasadena CA 91101 1292  
USA  
☎ 1 818 577 1122  
☎ 1 818 795 8136  
✉ aaj@cyclone.ociv.edu

**Apparao K M V**

TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 219 111\*341  
☎ 91 22 215 2110

**Appenzeller Immo**

Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9292  
☎ 49 622 150 9202  
✉ iappenze@lsw.uni-heidelberg.de

**Appleby John F**

APL  
JHU  
Johns Hopkins Rd  
Laurel MD 20723 6099  
USA  
☎ 1 301 953 5243  
☎ 1 301 953 5969  
✉ John.Appleby@jhuapl.edu

**Appleton Philip Noel**

Physics Dpt  
Iowa State Univ  
Ames IA 50011  
USA  
☎ 1 515 294 3667  
☎ 1 515 294 3262

**Aquilano Roberto Oscar**  
 Instituto Fisica  
 Rosario Conicet Unr  
 Bv 27 de Febrero 210 bis  
 2000 Rosario  
 Argentina  
 ☎ 54 41 82 1769/72  
 ☎ 54 41 25 7164

**Arabelos Dimitrios**  
 Dpt Geodesy/Survey  
 Univ Thessaloniki  
 GR 540 06 Thessaloniki  
 Greece  
 ☎ 30 31 99 2693  
 ☎ 30 31 99 6408  
 ✉ arab@eng.auth.gr

**Arafune Jiro**  
 Inst Cosmic Ray Res  
 Univ of Tokyo  
 Midoricho Tanashi  
 Tokyo 188  
 Japan  
 ☎ 81 424 61 4131  
 ☎ 81 424 68 1438

**Arai Kenzo**  
 Physics Dpt  
 Kumamoto Univ  
 2-39-1 Kurokami  
 Kumamoto 860  
 Japan  
 ☎ 81 963 442111

**Ardavan Houshang**  
 Inst of Astronomy  
 The Observatories  
 Madingley Rd  
 Cambridge CB3 0HA  
 UK  
 ☎ 44 12 23 337 548  
 ☎ 44 12 23 337 523

**Ardeberg Arne L**  
 Lund Observ  
 Box 43  
 S 221 00 Lund  
 Sweden  
 ☎ 46 46 222 7290  
 ☎ 46 46 222 4614  
 ✉ arne.ardeberg@astro.lu.se

**Ardebili M Reza**  
 Box 47415 341  
 Babolsar  
 Iran

**Arduini-Malinovsky Monique**  
 CNES  
 2 Pl Maurice Quentin  
 F 75039 Paris Cdx 01  
 France  
 ☎ 33 1 44 76 7500  
 ☎ 33 1 44 76 7676

**Arellano Ferro Armando**  
 Instituto Astronomia  
 UNAM  
 Apt 70 264  
 Mexico DF 04510  
 Mexico  
 ☎ 52 5 622 3906  
 ☎ 52 4 732 0253  
 ✉ armando@astroscu.unam.mx

**Arenou Frederic**  
 Observ Paris Meudon  
 DASGAL  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7849  
 ☎ 33 1 45 07 7878  
 ✉ frederic.arenou@obspm.fr

**Argue A Noel**  
 Inst of Astronomy  
 The Observatories  
 Madingley Rd  
 Cambridge CB3 0HA  
 UK  
 ☎ 44 12 23 337 548  
 ☎ 44 12 23 337 523  
 ✉ cis@ast.cam.ac.uk

**Argyle P E**  
 Suite 401  
 5880 Hampton Place  
 Vancouver BC V6T 2E9  
 Canada

**Argyle Robert William**  
 Royal Greenwich Obs  
 Madingley Rd  
 Cambridge CB3 0EZ  
 UK  
 ☎ 44 12 23 37 4783  
 ☎ 44 12 23 374 700  
 ✉ rwa@ast.cam.ac.uk

**Arias Elisa Felicitas**  
 Observ Astronomico  
 Paseo d Bosque S/n  
 1900 La Plata (Bs As)  
 Argentina  
 ☎ 54 21 217 308  
 ☎ 54 21 211 761  
 ✉ felicitas@fcaglp.fcaglp.unlp.edu.ar

**Arimoto Nobuo**  
 Inst Astronomy  
 Univ of Tokyo  
 Mitaka  
 Tokyo 181  
 Japan  
 ☎ 81 422 34 3732  
 ☎ 81 422 34 3749  
 ✉ arimoto@mtk.ioa.s.u-tokyo.ac.jp

**Arkharov Arkadi A**  
 Pulkovo Observ  
 Acad Sciences  
 10 Kutuzov Quay  
 196140 St Petersburg  
 Russia  
 ☎ 7 812 123 4431  
 ☎ 7 812 123 1922  
 ✉ arkharov@gao.pmpi.spb.us

**Arkhipova Vesa P**  
 SAI  
 Acad Sciences  
 Universitetskij Pr 13  
 119899 Moscow  
 Russia  
 ☎ 7 095 139 2657  
 ☎ 7 095 939 0126

**Arlot Jean-Eudes**  
 BDL  
 77 Av Denfert Rochereau  
 F 75014 Paris  
 France  
 ☎ 33 1 40 51 2267  
 ☎ 33 1 46 33 2834  
 ✉ arlot@bdil.fr

**Armandroff Taft E**  
 NOAO/KPNO  
 Box 26732  
 950 N Cherry Av  
 Tucson AZ 85726 6732  
 USA  
 ☎ 1 520 325 9382  
 ☎ 1 520 325 9360  
 ✉ armand@noao.edu

**Armstrong John Thomas**  
 USNO  
 Astrometry Dpt  
 3450 Massachusetts Av NW  
 Washington DC 20392 5100  
 USA  
 ☎ 1 202 653 1769  
 ✉ tarmstr@atlas.usno.navy.mil

**Arnal Marcelo Edmundo**  
 IAR  
 CC 5  
 1894 Villa Elisa (Bs As)  
 Argentina  
 ☎ 54 21 4 3793  
 ☎ 54 21 211 761  
 ✉ arnal@irma.edu.ar

**Arnaud Jean-Paul**  
 OMP  
 14 Av E Belin  
 F 31400 Toulouse Cdx  
 France  
 ☎ 33 5 61 33 2929  
 ☎ 33 5 61 53 6722  
 ✉ arnaud@obs-mip.fr

**Arnaud Monique**  
 DAPNIA/SAP  
 CEA Saclay  
 BP 2  
 F 91191 Gif s Yvette Cdx  
 France  
 ☎ 33 1 69 08 7017  
 ☎ 33 1 69 08 6577

**Arnett W David**  
 Steward Observ  
 Univ of Arizona  
 Tucson AZ 85721  
 USA  
 ☎ 1 520 621 9587  
 ☎ 1 520 621 1532  
 ✉ dave@bohr.physics.arizona.edu

**Arnold James R**  
 Dpt Chemistry  
 UCSD  
 Box 017  
 La Jolla CA 92093 0216  
 USA  
 ☎ 1 619 534 2908  
 ☎ 1 619 534 2294

**Arnould Marcel L**  
 Inst Astrophysique  
 Univ Bruxelles  
 Campus Plaine CP 226  
 B 1050 Brussels  
 Belgium  
 ☎ 32 2 650 2864  
 ☎ 32 2 650 4226  
 ✉ marnould@astro.ulb.ac.be

**Arny Thomas T**  
 Dpt Phys/Astronomy  
 Univ Massachusetts  
 GRC B  
 Amherst MA 01003  
 USA  
 ☎ 1 413 545 2194

**Arons Jonathan**  
 Astronomy Dpt  
 Univ of California  
 601 Campbell Hall  
 Berkeley CA 94720 3411  
 USA  
 ☎ 1 415 642 4730  
 ☎ 1 510 642 3411

**Arp Halton**  
 MPA  
 Karl Schwarzschildstr 1  
 D 85748 Garching  
 Germany  
 ☎ 49 893 299 880  
 ☎ 49 893 299 3235

**Arpigny Claude**  
 Inst Astrophysique  
 Universite Liege  
 Av Coitee 5  
 B 4000 Liege  
 Belgium  
 ☎ 32 4 254 7510  
 ☎ 32 4 254 7511  
 ✉ arpigny@astro.ulg.ac.be

**Arribas Santiago**  
 IAC  
 Observ d Teide  
 via Lactea s/n  
 E 38200 La Laguna  
 Spain  
 ☎ 34 2 232 9100  
 ☎ 34 2 232 9117

**Arsenijevic Jelisaveta**  
 Astronomical Observ  
 Volgina 7  
 11050 Beograd  
 Yugoslavia FR  
 ☎ 381 1 419 357/421 875  
 ☎ 381 1 419 553  
 ✉ jarsenijevic@aob.aob.bg.ac.yu

**Arshakian Tigran G**  
 Byurakan Astrophys Observ  
 Armenian Acad Sci  
 378433 Byurakan  
 Armenia  
 ☎ 374 88 52 28 3453/4142  
 ☎ 374 88 52 52 3640  
 ✉ tigar@bao.sci.am

**Arthur David W G**  
 USGS  
 Br of Astrogeology  
 2255 N Gemini Dr  
 Flagstaff AZ 86001  
 USA

**Arthur Jane**  
 Instituto Astronomia  
 UNAM  
 Apt 70 264  
 Mexico DF 04510  
 Mexico  
 ☎ 52 5 622 3910  
 ☎ 52 5 616 0653  
 ✉ jane@astrosmo.unam.mx

**Artru Marie-Christine**  
 CRAL  
 ENS  
 46 All Italie  
 F 69364 Lyon Cdx 07  
 France  
 ☎ 33 4 72 72 8000  
 ☎ 33 4 72 72 8080

**Artymowicz Pawel**  
 Stockholm Observ  
 Royal Swedish Acad Sciences  
 S 133 36 Saltsjoebaden  
 Sweden  
 ☎ 46 8 716 4461  
 ☎ 46 8 717 4719  
 ✉ pawel@astro.su.se

**Artyukh Vadim S**  
 Lebedev Physical Inst  
 Acad Sciences  
 Leninsky Popt 53  
 117924 Moscow  
 Russia  
 ☎ 7 095 923 3558  
 ☎ 7 095 135 7880  
 ✉ artyukh@rasfian.  
 serpukhov.su

**Artzner Guy**  
 IAS  
 Bt 121  
 Universite Paris XI  
 F 91405 Orsay Cdx  
 France  
 ☎ 33 1 69 85 8584/8525  
 ☎ 33 1 69 85 8675

**Aschenbach Bernd**  
 MPE  
 Postfach 1603  
 D 85740 Garching  
 Germany  
 ☎ 49 893 299 00  
 ☎ 49 893 299 3569

**Aschwanden Markus**  
 LMMS  
 Dpt H112 Bg 252  
 3251 Hanover St.  
 Palo Alto CA 94304 1191  
 USA  
 ☎ 1 650 424 4001  
 ☎ 1 650 424 3994  
 ✉ aschwanden@  
 lmsal.com

**Ashley Michael**  
 School of Physics  
 UNSW  
 Sydney NSW 2052  
 Australia  
 ☎ 61 2 9385 5465  
 ☎ 61 2 663 3420  
 ✉ mcba@newt.phys.unsw.  
 edu.au

**Ashok N M**  
 PRL  
 Navrangpura  
 Ahmedabad 380 009  
 India  
 ☎ 91 272 46 2129  
 ☎ 91 272 44 5292  
 ✉ ashok@prl.ernet.in

**Aslan Zeki**  
 Akdeniz Universitesi  
 Fen-Edebiyat Fakultesi  
 Fizik Bolumu PK 510  
 Antalya  
 Turkey

**Aslanov I A**  
 Shemakha Astrophysical  
 Observ  
 Azerbaijan Acad Sci  
 373243 Shemakha  
 Azerbaijan  
 ☎ 994 89 22 39 8248

**Aspin Colin**  
 Joint Astronomy Ctr  
 660 N A'ohoku Pl  
 University Park  
 Hilo HI 96720  
 USA  
 ☎ 1 808 961 3756  
 ☎ 1 808 961 6516  
 ✉ caa@jach.hawaii.edu

**Asseo Estelle**  
 CTP  
 Ecole Polytechnique  
 F 91128 Palaiseau Cdx  
 France  
 ☎ 33 1 69 41 8200

**Assousa George Elias**  
 545 Boylston St  
 Suite 901  
 Boston MA 02116  
 USA

**Assus Pierre**  
 OCA  
 Observ Nice  
 BP 139  
 F 06304 Nice Cdx 4  
 France  
 ☎ 33 4 92 00 3086  
 ☎ 33 4 92 00 3033

**Asteriadis Georgios**  
 Dpt Geodesy/Astron  
 Univ Thessaloniki  
 GR 540 06 Thessaloniki  
 Greece  
 ☎ 30 31 99 2693

**Atac Tamer**  
 Kandilli Observ  
 Bogazici Univ  
 Cengelkoy  
 81220 Istanbul  
 Turkey  
 ☎ 90 216 308 0514  
 ☎ 90 216 332 1711  
 ✉ atac@boun.edu.tr

**Atanasijevic Ivan**  
 Fac of Sciences  
 NL 6500 GL Nijmegen  
 Netherlands

**Athanassoula Evangella**  
 Observ Marseille  
 2 Pl Le Verrier  
 F 13248 Marseille Cdx 04  
 France  
 ☎ 33 4 91 95 9088  
 ☎ 33 4 91 62 1190

**Athay R Grant**  
 1818 N Sundai  
 Nesa AZ 85205  
 USA  
 ✉ athay@ncar.ucar.edu

**Atherton Paul David**  
 Astrophysics Gr  
 Imperial Coll  
 Prince Consort Rd  
 London SW7 2BZ  
 UK  
 ☎ 44 171 594 7771  
 ☎ 44 171 594 7772

**Atkinson David H**  
 Dpt Electric Engin  
 Univ of Idaho  
 Moscow ID 83844 1023  
 Russia  
 ☎ 7 208 885 6870  
 ☎ 7 208 885 7579  
 ✉ atkinson@maxwell.ee.  
 uidaho.edu

**Atreya Sushil K**  
 Space Physics Res Lb  
 Univ of Michigan  
 2455 Hayward St  
 Ann Arbor MI 48109 2143  
 USA  
 ☎ 1 734 763 6234  
 ☎ 1 734 764 5137  
 ✉ atreya@umich.edu

**Aubier Monique G**  
 Observ Paris Meudon  
 ARPEGES  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 34 7755  
 ☎ 33 1 45 07 7971

**Audouze Jean**  
 IAP  
 98bis bd Arago  
 F 75014 Paris  
 France  
 ☎ 33 1 44 32 8133  
 ☎ 33 1 44 32 8001

**Auer Lawrence H**  
 LANL  
 MS F665 ESS 5  
 Box 1663  
 Los Alamos NM 87545 2345  
 USA  
 ☎ 1 505 667 5824  
 ☎ 1 505 665 4055

**Augarde Renee**  
 Observ Marseille  
 2 Pl Le Verrier  
 F 13248 Marseille Cdx 04  
 France  
 ☎ 33 4 91 95 9088  
 ☎ 33 4 91 62 1190

**Augason Gordon C**  
 NASA/ARC  
 MS 245 6  
 Moffett Field CA 94035 1000  
 USA  
 ☎ 1 415 694 4156  
 ☎ 1 415 604 6779

**Auluck Faqir Chand**  
 Dpt Phys/Astrophys  
 Univ of Delhi  
 New Delhi 110 007  
 India  
 ☎ 91 11 291 8993

**Auman Jason R**  
 Dpt Geophys/Astronomy  
 UBC  
 2075 Wesbrook Pl  
 Vancouver BC V6T 1W5  
 Canada  
 ☎ 1 604 228 2892  
 ☎ 1 604 228 6047

**Auner Gerhard**  
 Inst Astronomie  
 Univ Wien  
 Turckenschanzstr 17  
 A 1180 Wien  
 Austria  
 ☎ 43 1 345 3600  
 ☎ 43 1 470 6015

**Aurass Henry**  
 Zentrinst Astrophysik  
 Sternwarte Babelsberg  
 Rosa Luxemburg Str 17a  
 D 14473 Potsdam  
 Germany  
 ☎ 49 331 762225

**Auriemma Giulio**  
 Dpt Fisica  
 Univ d Roma  
 Pl A Moro 2  
 I 00185 Roma  
 Italy  
 ☎ 39 6 49 76336  
 ☎ 39 6 202 3507

**Auriere Michel**  
 OMP  
 14 Av E Belin  
 F 31400 Toulouse Cdx  
 France  
 ☎ 33 5 62 95 1969  
 ☎ 33 5 61 27 3179

**Auvergne Michel**  
 Observ Paris Meudon  
 DASGA  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7847  
 ☎ 33 1 45 07 7878

**Avcioglu Kamuran**  
 Univ Observ  
 Univ of Istanbul  
 University 34452  
 34452 Istanbul  
 Turkey  
 ☎ 90 212 522 3597  
 ☎ 90 212 519 0834



**Avery Lorne W**  
 Joint Astronomy Ctr  
 660 N A'ohoku Pl  
 University Park  
 Hilo HI 96720  
 USA  
 ☎ 1 808 969 6551  
 ① 1 808 961 6516  
 ✉ lwa@jach.hawaii.edu

**Avgolopoulos Stavros**  
 Astronomy Lab  
 Univ Thessaloniki  
 GR 540 06 Thessaloniki  
 Greece  
 ☎ 30 31 99 1357

**Avignon Yvette**  
 Observ Paris Meudon  
 F 92195 Meudon PPL Cdx  
 France

**Avrett Eugene H**  
 CFA  
 HCO/SAO  
 60 Garden St  
 Cambridge MA 02138 1516  
 USA  
 ☎ 1 617 495 7423  
 ① 1 617 495 7356  
 ✉ avrett@cfa.harvard.edu

**Awad Mervat El-Said**  
 Astronomy Dpt  
 Fac of Sciences  
 Cairo Univ  
 Geza  
 Egypt  
 ☎ 20 2 572 7022  
 ① 20 2 572 7556

**Awadalla Nabil Shoukry**  
 Physics Dpt  
 Univ of Bahrain  
 Box 32038  
 Bahrain  
 State of Bahrain  
 ☎ 9739 681 234  
 ① 9739 682 582

**Awaki Hisamitsu**  
 Physics Dpt  
 Kyoto Univ  
 Sakyo-ku  
 Kyoto 606 01  
 Japan  
 ☎ 81 757 53 3851  
 ① 81 75 701 5377  
 ✉ awaki@cr.scphys.kyoto.  
 u.ac.jp

**Axford W Ian**  
 MPI Aeronomie  
 Max Planck Str 2  
 Postfach 20  
 D 37189 Katlenburg Lindau  
 Germany  
 ☎ 49 555 641 414  
 ① 49 555 965 527

**Axon David**  
 NRAL  
 Univ Manchester  
 Jodrell Bank  
 Macclesfield SK11 9DL  
 UK  
 ☎ 44 14 777 1321  
 ① 44 147 757 1618  
 ✉ dja@ast.man.ac.uk

**Ayani Kazuya**  
 Bisei Astronomical Obs  
 Ohkura  
 BISEI  
 Okayama 714 14  
 Japan  
 ☎ 81 866 87 4222  
 ① 81 866 87 4224  
 ✉ ayani@bao.go.jp

**Aydin Cemal**  
 Astronomy Dpt  
 Univ of Ankara  
 Fen Fakultesi  
 06100 Besevler  
 Turkey  
 ☎ 90 41 23 2105\*94  
 ① 90 312 223 2395

**Ayres Thomas R**  
 CASA  
 Univ of Colorado  
 Campus Box 389  
 Boulder CO 80309 0391  
 USA  
 ☎ 1 303 492 5320  
 ① 1 303 492 5941

**Azcarate Ismael N**  
 IAR  
 CC 5  
 1894 Villa Elisa (Bs As)  
 Argentina  
 ☎ 54 21 740 230  
 ① 54 21 254 909  
 ✉ azcarate@irma.iar.unlp.  
 edu.ar

**Azuma Takahiro**  
 Dokkyo Univ  
 SOKA  
 Saitama 340  
 Japan  
 ☎ 81 489 42 1111

**Azzopardi Marc**  
 Observ Marseille  
 2 Pl Le Verrier  
 F 13248 Marseille Cdx 04  
 France  
 ☎ 33 4 91 95 9088  
 ① 33 4 91 62 11 90  
 ✉ azzopardi@obmara.cnrs-  
 mrs.fr

## B

**Baade Dietrich**  
ESO  
ST/ECF  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6388  
ⓞ 49 893 202 362

**Baan Willem A**  
Arecibo Observ  
Box 995  
Arecibo PR 00613  
USA  
☎ 1 787 878 2612  
ⓞ 1 787 878 1861  
✉ willem@naic.edu

**Baars Jacob W M**  
LMT Project Office  
Univ Massachusetts  
815 Lederle Grad Res Ctr  
Amherst MA 01003  
USA  
☎ 1 413 545 2404  
ⓞ 1 413 545 3192  
✉ jbaars@phast.umass.de

**Baart Edward E**  
Dpt Phys/Electronics  
Rhodes Univ  
Box 94  
6140 Grahamstown  
South Africa  
☎ 27 461 318 454/318450  
ⓞ 27 461 250 49

**Baath Lars B**  
Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5500  
ⓞ 46 31 772 5550

**Baba Naoshi**  
Applied Phys Dpt  
Hokkaido Univ  
N 13 W 8  
Sapporo 060  
Japan  
☎ 81 117 06 6627  
ⓞ 81 117 16 6175  
✉ babal@optica.huap.  
hokudai.ac.jp

**Babadzhanlanc Michail K**  
Astronomical Observ  
St Petersburg Univ  
Bibliotekhnaja Pl 2  
198904 St Petersburg  
Russia  
☎ 7 812 257 9491  
ⓞ 7 812 428 4259

**Babadzhanov Pulat B**  
Astrophys Inst  
Uzbek Acad Sci  
Sviridenko Ul 22  
734670 Dushanbe  
Tajikistan  
☎ 7 3770 23 1432  
ⓞ 7 3770 27 5483

**Babcock Horace W**  
Carnegie Observatories  
813 Santa Barbara St  
Pasadena CA 91101 1292  
USA  
☎ 1 818 577 1122  
ⓞ 1 818 795 8136

**Babel Jacques**  
36 r d Battioux  
CH 2000 Neuchatel  
Switzerland  
☎ 41 31 323 2381  
✉ babelj@bluewin.ch

**Babin Arthur**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
ⓞ 380 6554 40704

**Babin Valerij G**  
Sibizmir  
Acad Sciences  
664697 Irkutsk 33  
Russia  
☎ 7 395 262 9383

**Babu G S D**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 9179  
ⓞ 91 80 553 4043

**Bacchus Pierre**  
40 r Haute  
F 77130 La Gde Paroisse  
France  
☎ 33 1 64 32 1315

**Bachiller Rafael**  
Observ Astronomico  
Nacional  
Apt 1143  
E 28800 Alcalá d Henares  
Spain  
☎ 34 1 885 5060  
ⓞ 34 1 885 5062  
✉ bachiller@oan.es

**Backer Donald Ch**  
Radio Astronomy Lab  
Univ of California  
Sviridenko Ul 22  
734670 Dushanbe  
Berkeley CA 94720  
USA  
☎ 1 415 642 5128  
ⓞ 1 415 642 3411  
✉ dbacker@bkypsr.  
berkeley.edu

**Bade Norbert**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4137  
ⓞ 49 407 252 4198  
✉ nbade@hs.uni.hamburg.de

**Badiali Massimo**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
ⓞ 39 6 2066 0188  
✉ massimo@saturn.ias.  
rm.cnr.it

**Badolati Ennio**  
Via G Cotronei 11  
I 80129 Napoli  
Italy  
☎ 39 81 243 245

**Baeck Nicole A I**  
Math Physics/Astronomy  
Universiteit Gent  
Krijgslaan 281 S9  
B 9000 Gent  
Belgium  
☎ 32 92 64 4764  
ⓞ 32 92 64 4989  
✉ nicole.baeck@izar.rug.ac.be

**Baek Chang Ryong**  
Physics Dpt  
Kim Il Sung Univ  
Taesong district  
Pyongyang  
Korea DPR

**Baerentzen Jorn**  
Elmehojvej 66  
DK 8270 Højbjerg  
Denmark  
☎ 45 86 27 2428

**Baessgen Martin**  
Astronomisches Institut  
Univ Tuebingen  
Waldhauserstr 64  
D 72076 Tuebingen  
Germany  
☎ 49 707 129 5470  
ⓞ 49 707 129 3458

**Baffa Carlo**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52 298  
ⓞ 39 55 22 0039  
✉ baffa@arcetri.astro.it

**Bagare S P**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585/497  
ⓞ 91 80 553 4043

**Baggaley William J**  
Dpt Phys/Astronomy  
Univ of Canterbury  
Private Bag 4800  
Christchurch 1  
New Zealand  
☎ 64 3 366 7001\*7559  
ⓞ 64 3 364 2469  
✉ phys5051@csc.canterbury.  
ac.nz

**Baglidskij Bronislav K**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
ⓞ 7 812 315 1701

**Baglin Annie**  
Observ Paris Meudon  
DASGAL  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 47 05 7855  
ⓞ 33 1 45 07 7878

**Bagnuolo William G**  
CHARA  
Georgia State Univ  
Adanta GA 30303 3083  
USA  
☎ 1 404 651 2932  
ⓞ 1 404 542 2492

**Bagoly Zsolt**  
Dpt Atomic Physics  
Eotvos Univ  
Pushkin U 5 7  
H 1088 Budapest  
Hungary  
☎ 36 1 187 902  
ⓞ 36 1 118 0206

**Bagri Durgadas S**  
NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 772 4011  
ⓞ 1 505 835 7027

**Bahcall John N**  
Inst Advanced Study  
School Natural Science  
Olden LN Bg E  
Princeton NJ 08540  
USA  
☎ 1 609 734 8054  
ⓞ 1 609 924 7592

**Bahcall Neta A**  
Peyton Hall  
Princeton Univ  
Princeton NJ 08544 1001  
USA  
☎ 1 609 258 6065  
ⓞ 1 609 258 1020  
✉ Neta@astro.princeton.edu

**Bahner Klaus**  
MPI Astronomie  
Adolf Kolping Str 5  
D 6903 Neckargemuend  
Germany  
☎ 49 62 23 3735

**Baier Frank**  
Zntrlnst Astrophysik  
Sternwarte Babelsberg  
Rosa Luxemburg Str 17a  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9208  
ⓞ 49 331 749 9309  
✉ fbaier@aip.de

**Bailey Jeremy A**  
AAO  
Box 296  
Epping NSW 2121  
Australia  
☎ 61 2 868 1666  
ⓞ 61 2 9876 8536

**Bailey Mark Edward**  
Armagh Observ  
College Hill  
Armagh BT61 9DG  
UK  
☎ 44 18 61 522 928  
ⓞ 44 18 61 527 174  
✉ meb@star.arm.ac.uk

**Baird Scott R**  
Dpt Phys/Astronomy  
Benedictine College  
N 14  
Atchison KS 66002 1499  
USA  
☎ 1 913 367 5340

**Bajaja Esteban**  
IAR  
CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 4 3793  
ⓞ 54 21 211 761

**Bajtlik Stanislaw**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
ⓞ 48 22 41 0828  
✉ bajtlik@camk.edu.pl

**Baker James Gilbert**  
14 French Dr  
Bedford NH 03102  
USA  
☎ 1 603 472 5860

**Baker Joanne**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 298  
ⓞ 44 12 23 354 599  
✉ jcb@mrao.cam.ac.uk

**Baker Norman H**  
Astronomy Dpt  
Columbia Univ  
538 W 120th St  
New York NY 10027  
USA  
☎ 1 212 280 3280  
ⓞ 1 212 316 9504

**Bakry Abdel-aziz**  
El Azhar Univ  
Fac Sciences  
Astronomy Dpt  
Cairo  
Egypt  
☎ 20 2 262 9357/58  
ⓞ 20 2 261 1404  
✉ zcc3159@kaau.edu.sa

**Balachandran Suchitra C**  
Astronomy Dpt  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 3101  
ⓞ 1 301 314 9067  
✉ suchitra@astro.umd.edu

**Balasubramanian V**  
TIFR/Radio Astronomy Ctr  
Box 8  
Udhagamandalam 643 001  
India  
☎ 91 423 2032

**Balazs Bela A**  
Astronomy Dpt  
Eotvos Univ  
Ludovika ter 2  
H 1083 Budapest  
Hungary  
☎ 36 1 114 1019  
ⓞ 36 1 210 1089  
✉ bb@innin.elte.hu

**Balazs Lajos G**  
Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
ⓞ 36 1 275 4668  
✉ balazs@ogyalla.konkoly.hu

**Balbus Steven A**  
University Station  
Univ of Virginia  
Box 3818  
Charlottesville VA 22903 0818  
USA  
☎ 1 804 924 4897  
✉ sb@virginia.edu

**Baldinelli Luigi**  
CP 1630  
I 40100 Bologna  
Italy  
☎ 39 51 22 7002

**Baldwin Jack A**  
NOAO  
CTIO  
Casilla 603  
La Serena  
Chile  
☎ 56 51 22 5415  
ⓞ 56 51 20 5342

**Baldwin John E**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 294  
ⓞ 44 12 23 354 599

**Baldwin Ralph B**  
6190 Gatehouse Dr SE  
Grand Rapids MI 49506  
USA  
☎ 1 619 949 6190

**Balega Yuri Yu**  
SAO  
Acad Sciences  
Nizhnij Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 878 789 2501  
ⓞ 7 901 498 2931  
✉ balega@sao.ru

**Balick Bruce**  
Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA  
☎ 1 425 543 7683  
ⓞ 1 425 685 0403

**Baliunas Sallie L**  
Cfa  
HCO/SAO MS 15  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7415  
ⓞ 1 617 495 7049  
✉ baliunas@cfa.harvard.edu

**Balklavs A E**  
Radioastrophys Observ  
Latvian Acad Sci  
Turgeneva 19  
LV 226524 Riga  
Latvia

**Balkowski-Mauger Chantal**  
Observ Paris Meudon  
DAF  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 34 7556  
ⓞ 33 1 45 07 7469

**Ball John A**  
Haystack Observ  
Westford MA 01886  
USA  
☎ 1 617 692 4764  
ⓞ 1 617 981 0590

**Ball Lewis**  
Theoretical Astrophysics  
Univ of Sydney  
Sydney NSW 2006  
Australia  
☎ 61 2 9351 2621  
ⓞ 61 2 660 2903  
✉ ball@physics.usyd.edu.au

**Ballabh G M**  
Astronomy Dpt  
Univ of Osmania  
Hyderabad 500 007  
India  
☎ 91 71 951\*247

**Ballario M C**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
ⓞ 39 55 22 0039

**Balleteau Dominique**  
Observ Paris Meudon  
DASGAL  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7854  
ⓞ 33 1 45 07 7878

**Ballester Jose Luis**  
Dpt Fisica  
Univ Las Islas  
Balears  
E 07071 Palma de Mallorca  
Spain  
☎ 34 7 117 3228  
ⓞ 34 7 117 3426  
✉ dfsjlb0@ps.uib.es

**Balli Edibe**  
Univ Rasathanesi  
Istanbul  
Turkey

**Bally John**

CASA  
Univ of Colorado  
Campus Box 389  
Boulder CO 80309 0389  
USA  
☎ 1 303 492 5786  
☎ 1 303 492 7178  
✉ bally@janos.colorado.edu

**Balmino Georges G**

CNES/GRGS/BGI  
18 Av E Belin  
F 31055 Toulouse Cdx  
France  
☎ 33 5 61 27 4427  
☎ 33 5 61 27 3179

**Balona Luis Antero**

SAAO  
PO Box 9  
7935 Observatory  
South Africa  
☎ 27 21 47 0025  
☎ 27 21 47 3639  
✉ lab@saao.ac.za

**Balonek Thomas J**

Dpt Phys/Astronomy  
Colgate Univ  
Hamilton NY 13346  
USA  
☎ 1 315 228 7767  
☎ 1 315 228 7187  
✉ tbalonek@colgateu.edu

**Balkhasar Horst**

AIP  
SOE  
Telegrafenberg  
D 14473 Potsdam  
Germany  
☎ 49 331 288 2341  
☎ 49 331 288 2310  
✉ hbalkhasar@aip.de

**Balutau Jean-Paul**

Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
☎ 33 4 91 62 1190  
✉ obsmrs@fromrs51

**Bandermann L W**

21131 Grenola Dr  
Cupertino CA 95014  
USA

**Bandiera Rino**

Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 43 78540  
☎ 39 55 43 5939  
✉ bandiera@astrfi.infn.it

**Bandyopadhyay A**

Res Division  
Birla Planetarium  
96 Jawaharlal Nehru Rd  
Calcutta 700 071  
India  
☎ 91 33 281 515

**Banerji Sriranjjan**

Physics Dpt  
Univ of Burdwan  
Golopbag  
Burdwan 713 104  
India

**Bang Yong Gol**

Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Banhatti Dilip Gopal**

School of Physics  
Madurai Kamaraj Univers  
Palkalainagar  
Madurai 625021  
India  
☎ 91 85 252

**Bania Thomas Michael**

Astronomy Dpt  
Boston Univ  
725 Commonwealth Av  
Boston MA 02215  
USA  
☎ 1 617 353 3652  
☎ 1 617 353 3200

**Banni Aldo**

Osserv Astronomico  
d Cagliari  
Poggio d Pini 54  
I 09012 Capoterra  
Italy  
☎ 39 70 725 246  
☎ 39 70 72 5425  
✉ banni@ca.astro.it

**Banos Cosmas J**

Astronomical Institute  
Ntl Observ Athens  
Box 20048  
GR 118 10 Athens  
Greece  
☎ 30 1 346 1191  
☎ 30 1 346 4566

**Banos George J**

Physics Dpt  
Univ of Ioannina  
GR 451 10 Ioannina  
Greece  
☎ 30 651 98 471  
☎ 30 65145 697

**Bao Keren**

Nanjing Astronomical  
Instrument Factory  
Box 846  
Nanjing  
China PR  
☎ 86 25 46191  
☎ 86 25 71 1256

**Baranne Andre**

Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
☎ 33 4 91 62 1190

**Baranovsky Edward A**

Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
☎ 380 6554 40704

**Baratta Giovanni Battista**

OAR  
Via d Parco Mellini 84  
I 00136 Roma  
Italy  
☎ 39 6 34 7056  
☎ 39 6 349 8236

**Baratta Giuseppe Antonio**

Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 21111  
☎ 39 95 33 0592

**Barba Rodolfo Hector**

Osserv Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
☎ 54 21 211 761  
✉ rbarba@fcaglp.edu.ar

**Barbanis Basil**

Astronomy Lab  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 1357  
☎ 30 31 99 8211

**Barbaro G**

Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
☎ 39 49 875 9840

**Barberis Bruno**

Ist Fisica/Matematica  
Univ d Torino  
Via C Alberto 10  
I 10123 Torino  
Italy  
☎ 39 11 539 214

**Barbier-Brossat Madeleine**

Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
☎ 33 4 91 62 1190  
✉ barbier@obmara.cnrs-mrs.fr

**Barbieri Cesare**

Dpt Astronomia  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
☎ 39 49 875 9840  
✉ barbieri@astropd.pd.astro.it

**Barbon Roberto**

Osserv Astrofisico  
Univ d Padova  
Via d Osservatorio 8  
I 36012 Asiago  
Italy  
☎ 39 424 462 665  
☎ 39 424 462 884

**Barbosu Mihail**

Fac of Mathematics  
Univ of Cluj Napoca  
Ul Kogalniceanu 1  
RO 3400 Cluj Napoca  
Romania  
☎ 40 64 194 315  
☎ 40 64 111 905  
✉ mbarbosu@math.ubbcluj.ro

**Barbuy Beatriz**

IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599\*230  
☎ 55 11 276 3848  
✉ barbuy@orion.iagusp.usp.br

**Barcia Alberto**

Ctr Astron d Yebes  
OAN  
Apt 148  
E 19080 Guadalajara  
Spain  
☎ 34 1 129 0311  
☎ 34 1 129 0063  
✉ barcia@cay.oan.es

**Barcons Xavier**

Istt Fisica d Cantabria  
C/o Facultad Ciencias  
Avda Los Castros s/n  
E 39005 Santander  
Spain  
☎ 34 4 220 1461  
☎ 34 4 220 1459  
✉ barcons@ifca.unican.es

**Barcza Szabolcs**

Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
☎ 36 1 275 4668

**Bardeen James M**  
Physics Dpt  
Univ of Washington  
FM 15  
Seattle WA 98195 1580  
USA  
☎ 1 425 545 2394  
☎ 1 425 685 0403

**Barden Samuel Charles**  
NOAO  
950 N Cherry Av  
Tucson AZ 85719  
USA  
☎ 1 520 318 8263  
☎ 1 520 318 8360  
✉ barden@noao.edu

**Barge Pierre**  
LAS  
Traverse du Siphon  
Les Trois Lucs  
F 13376 Marseille Cdx 12  
France  
☎ 33 4 91 05 5900  
☎ 33 4 91 66 1855  
✉ barge@astrsp-mrs.fr

**Barkat Zalman**  
Racah Inst of Phys  
Hebrew Univ Jerusalem  
Jerusalem 91904  
Israel  
☎ 972 2 584 490  
☎ 972 2 658 4374

**Barker Edwin S**  
McDonald Observ  
Univ of Texas  
Box 1337  
Fort Davis TX 79734 1337  
USA  
☎ 1 915 426 3263  
☎ 1 915 426 3641  
✉ esb@astro.as.utexas.edu

**Barker Paul K**  
Dpt Electrophysics  
Box 1143 Station B  
London ON N6A 5K2  
Canada  
☎ 1 519 668 2871  
☎ 1 519 668 2871

**Barker Timothy**  
Dpt Phys/Astronomy  
Wheaton College  
Norton MA 02766  
USA  
☎ 1 508 285 7722

**Barlai Katalin**  
Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
☎ 36 1 275 4668

**Barletti Raffaele**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52278  
☎ 39 55 22 0039  
✉ barletti@arcetri.astro.it

**Barlier Francois E**  
OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 36 5849  
☎ 33 4 93 40 5333  
✉ barlier@obs-azur.fr

**Barlow Michael J**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050  
☎ 44 171 380 7145

**Barnbaum Cecilia**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 1059  
☎ 1 301 338 4767  
✉ barnbaum@stsci.edu

**Barnes Aaron**  
NASA/ARC  
MS 245 3  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 694 5506  
☎ 1 415 604 6779

**Barnes III Thomas G**  
McDonald Observ  
Univ of Texas  
Rim 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 1301  
☎ 1 512 426 3641  
✉ tgb@astro.as.utexas.edu

**Barocas Vinicio**  
11 Yewlands Av  
Fulword  
Preston PR2 4QR  
UK  
☎ 44 177 271 9249

**Barone Fabrizio**  
Dpt Scienze Fisiche  
Univ d Napoli  
Mostra D Oltremare Pad 19  
I 80125 Napoli  
Italy  
☎ 39 81 725 3447  
☎ 39 81 61 4508  
✉ fbarone@napoli.infn.it

**Barreto Luiz Muniz**  
Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 7313  
☎ 55 21 580 0332

**Barrett Paul Everett**  
NASA GSFC  
Code 668 1  
Greenbelt MD 20771  
USA  
✉ paul.e.barrett.1@gssc.  
nasa.gov

**Barriot Jean-Pierre**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 33 2894  
☎ 33 5 61 25 3098  
✉ barriot@sc2000.cst.  
cnes.fr

**Barroso Jair**  
Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 7313\*273  
☎ 55 21 580 0332

**Barrow Colin H**  
MPI Aeronomie  
Max Planck Str 2  
Postfach 20  
D 37189 Katlenburg Lindau  
Germany  
☎ 49 555 640 11  
☎ 49 555 640 1240

**Barrow John David**  
Astronomy Centre  
Univ of Sussex  
Falmer  
Brighton BB1 9QH  
UK  
☎ 44 12 73 60 6755  
☎ 44 12 73 678 097

**Barrow Richard F**  
Physical Chemistry Lab  
Univ of Oxford  
Keble Rd  
Oxford OX1 3QH  
UK  
☎ 44 186 553 322  
☎ 44 186 527 3947

**Barsony Mary**  
Physics Dpt  
Univ of California  
Riverside  
Riverside CA 92521  
USA  
☎ 1 909 787 3984  
☎ 1 909 787 4529  
✉ fun@nusun.ucr.edu

**Barstow Martin Adrian**  
Dpt Phys/X-Ray Astron  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
☎ 44 116 250 182  
✉ mab@uk.ac.le.star

**Bartasiute Stanislava**  
Astronomical Observ  
Ciurlionio 29  
Vilnius 2009  
Lithuania  
☎ 370 2 633 343  
☎ 370 2 223 563  
✉ bartasiute@ff.vu.lt

**Bartaya R A**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
380060 Tbilisi  
Georgia  
☎ 995 88 32 37 5226  
☎ 995 88 32 98 5017

**Bartel Norbert Harald**  
Physics Dpt  
York Univ  
4700 Keele St  
North York ON M3J 1P3  
Canada  
☎ 1 416 736 5424  
☎ 1 416 736 5516

**Bartelmann Matthias**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 3236  
☎ 49 893 299 3235  
✉ mbartelmann@mpa.  
garching.mpg.de

**Bartel Charles A**  
LASP  
Univ of Colorado  
Campus Box 392  
Boulder CO 80309 0392  
USA  
☎ 1 303 492 7502  
☎ 1 303 492 6946

**Barthel Peter**  
Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
☎ 31 50 363 6100

**Bartholdi Paul**  
Observ Geneve  
Chemin d Mailliettes 51  
CH 1290 Sauverny  
Switzerland  
☎ 41 22 755 2611  
☎ 41 22 755 3983  
✉ bartho@obs.unige.ch

- Bartkevičius Antanas**  
Inst Theor Physics/  
Astronomy  
Gostauto 12  
Vilnius 2600  
Lithuania  
☎ 370 2 613 440  
☎ 370 2 224 694  
✉ bart@itpa.fi.it
- Bartolini Corrado**  
Dpt Astronomia  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 301  
☎ 39 51 259 407
- Barucci Maria A**  
Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7539  
☎ 33 1 45 07 7469
- Baruch John**  
Dpt Industrial Technology  
Univ of Bradford  
Bradford BD7 1DP  
UK  
☎ 44 12 74 38 4024  
☎ 44 12 74 38 4270  
✉ j.e.f.baruch@bradford.ac.uk
- Barvainis Richard**  
Haystack Observ  
Westford MA 01886  
USA  
☎ 1 617 692 4764  
☎ 1 617 981 0590
- Barwig Heinz**  
Inst Astron/Astrophysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 890 21  
☎ 49 899 220 9427
- Baryshev Yuri V**  
Astron Inst St Petersburg  
State Univ  
Bibliotchnaya Pl 2  
St Petersburg 198904  
Russia  
☎ 7 812 428 7129  
☎ 7 812 428 4259  
✉ yuba@aispbu.spb.su
- Basart John P**  
Physics Dpt  
Iowa State Univ  
Ames IA 50011  
USA  
☎ 1 515 294 2667  
☎ 1 515 294 3262
- Baschek Bodo**  
Inst Theor Astrophysik  
d Univ  
Im Neuenheimer Feld 561  
D 69120 Heidelberg  
Germany  
☎ 49 622 156 2837  
☎ 49 622 154 4221
- Bash Frank N**  
Astronomy Dpt  
Univ of Texas  
Rtm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 4461  
☎ 1 512 471 6016  
✉ fnb@astro.as.utexas.edu
- Basri Gibor B**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 415 642 8198  
☎ 1 510 642 3411
- Bassino Lilia P**  
Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
☎ 54 21 258 985  
✉ lbassino@fcaglp.edu.ar
- Bastian Timothy Stephen**  
NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 835 7259  
☎ 1 505 835 7027  
✉ tbastian@nrao.edu
- Bastian Ulrich**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 5152  
☎ 49 622 140 5297  
✉ s01@ix.urz.uni-heidelberg.de
- Bastien Pierre**  
Dpt d Physique  
Universite Montreal  
CP 6128 Succ A  
Montreal QC H3C 3J7  
Canada  
☎ 1 514 343 7355  
☎ 1 514 343 2071
- Bastin John A**  
Astrophysics Group  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5555  
☎ 44 181 975 5500
- Basu Baidyanath**  
75/3A Hazra Rd  
Calcutta 700 029  
India  
☎ 91 474 5489
- Basu Dipak**  
Physics Dpt  
Carleton Univ  
Ottawa ON K1S 5B6  
Canada  
☎ 1 613 788 4377  
☎ 1 613 788 4061  
✉ basu@garm.physics.carleton.ca
- Basurah Hassan**  
Astronomy Dpt  
Box 9028  
KAAU  
Jeddah 21413  
Saudi Arabia
- Batalha Celso Correa**  
Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 7181  
☎ 55 21 580 0332  
✉ ccb@incucm
- Batchelor David Allen**  
NASA GSFC  
Code 632  
Greenbelt MD 20771  
USA  
☎ 1 301 286 2988
- Bates Brian**  
Dpt Pure/Appl Physics  
Queen's Univ  
Belfast BT7 1NN  
UK  
☎ 44 12 32 24 5133  
☎ 44 12 32 43 8918  
✉ b.bates@queens-belfast.ac.uk
- Bateson Frank M OBE**  
Astronomical Res Ltd  
Box 3093  
Greerton Tauranga  
New Zealand  
☎ 64 75 410 216
- Bath Geoffrey T**  
Astrophysics Dpt  
Univ of Oxford  
Kebble Rd  
Oxford OX1 3RQ  
UK  
☎ 44 186 551 1336  
☎ 44 186 527 3947
- Batrakov Yuri V**  
Inst Theoret Astron  
Acad Sciences  
N Kunzova 10  
191187 St Petersburg  
Russia  
☎ 7 812 272 40 23  
☎ 7 812 272 7968
- Batson Raymond Milner**  
USGS  
Br of Astrogeology  
2255 N Gemini Dr  
Flagstaff AZ 86001  
USA  
☎ 1 602 556 7260  
☎ 1 602 556 7090
- Battaner Eduardo**  
Dpt Fisica Teorica/Cosmos  
c/o Fac Ciencias  
Avda Fuentenueva  
E 18002 Granada  
Spain  
☎ 34 5 824 3305  
☎ 34 5 824 4012
- Batten Alan H**  
NRCC/HIA  
DAO  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 363 0009  
☎ 1 250 363 0045  
✉ alan.batten@hia.nrc.ca
- Battinelli Paolo**  
OAR  
Via d Parco Mellini 84  
I 00136 Roma  
Italy  
☎ 39 6 34 7056  
☎ 39 6 349 8236
- Battistini Pierluigi**  
Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 51 9593  
☎ 39 51 25 9407
- Batty Michael**  
School Maths/Physics  
Computing/ Electron  
Macquarie Univ  
Macquarie 2109  
Australia
- Baud Boudevijn**  
Fokker Bv  
Space Division  
Box 7600  
NL 1117 ZJ Shiphof  
Netherlands  
☎ 31 20 544 9111
- Baudry Alain**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
☎ 33 5 56 40 4251
- Bauer Carl A**  
Astronomy Dpt  
Pennsylvania State Univ  
525 Davey Lab  
University Park PA 16802  
USA  
☎ 1 814 865 3631  
☎ 1 814 863 7114

**Bauer Wendy Hagen**  
Whitin Observ  
Wellesley Coll  
Wellesley MA 02181  
USA  
☎ 1 617 235 0320  
① 1 617 283 3667  
✉ w.bauer@lucy.wellesley.edu

**Baum Stef Allison**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4797  
① 1 301 338 4767  
✉ sbaum@stsci.edu

**Baum William A**  
2124 Ne Park Rd  
Seattle WA 98105  
USA

**Baustian W W**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
① 1 520 325 9360

**Bautz Laura P**  
NSF  
Div Astron Sci  
4201 Wilson Blvd  
Arlington VA 22230  
USA  
☎ 1 202 357 9488  
① 1 703 306 0525

**Baym Gordon Alan**  
Physics Dpt  
Univ of Illinois  
1110 W Green St  
Urbana IL 61801 3080  
USA  
☎ 1 217 333 4363  
① 1 217 333 9819  
✉ baym@uinpla.npl.uiuc.edu

**Bazilevsky Alexandr T**  
Vernadsky Inst Geochem/  
Analytical Chemistry  
Kosygin Str 19  
117334 Moscow  
Russia  
☎ 7 095 137 7538

**Beale John S**  
231 Mariborough Rd  
Swindon SN3 1NN  
UK  
☎ 44 17 933 4725

**Beard David B**  
Gorham House  
50 New Portland Rd  
Gorham ME 04038  
USA

**Beaudet Gilles**  
Dpt d Physique  
Universite Montreal  
CP 6128 Succ A  
Montreal QC H3C 3J7  
Canada  
☎ 1 514 343 6669  
① 1 514 343 2071

**Beaue Christian**  
Observ Astronomico  
de Cordoba  
Laprida 854  
5000 Cordoba  
Argentina  
☎ 54 51 23 0491  
① 54 51 331 063  
✉ beaue@oac.uncor.edu

**Beavers Willet I**  
11 Captain Forbush Lane  
Acton MA 01720  
USA  
☎ 1 515 294 3776

**Bec-Borsenberger Annick**  
BDL  
77 Av Denfert Rochereau  
F 75014 Paris  
France  
☎ 33 1 40 51 2273  
① 33 1 46 33 2834  
✉ borsen@bdl.fr

**Bechtold Jill**  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 6533  
① 1 520 428 2854

**Beck Rainer**  
RAIUB  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany  
☎ 49 228 525 320  
① 49 228 525 229  
✉ r.beck@mpifr-bonn.mpg.de

**Becker Peter Adam**  
Physics Dpt  
George Mason Univ  
Fairfax VA 22030  
USA  
☎ 1 703 993 3619  
① 1 703 993 1980  
✉ pbecker@hubble.gmu.edu

**Becker Robert A**  
Box 4609  
Carmel CA 93921  
USA

**Becker Robert Howard**  
Physics Dpt  
Univ of California  
Davis CA 95616  
USA  
☎ 1 916 752 6921  
✉ bob@igpp.lnl.gov

**Becker Stephen A**  
LANL  
MS B220  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 8931  
① 1 505 665 4055

**Becker Sylvia**  
Inst Astron/Astrophysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 220 9439  
① 49 899 220 9427  
✉ becker@usm.uni-muenchen.de

**Beckers Jacques M**  
NOAO/NSO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 318 8328  
① 1 520 318 8278  
✉ jbeckers@noao.edu

**Becklin Eric E**  
Dpt Astronomy/Phys  
UCLA  
Box 951562  
Los Angeles CA 90025 1562  
USA  
☎ 1 310 206 0208  
① 1 310 206 2096  
✉ becklin@uclastro.edu

**Beckman John E**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117  
✉ jeb@iac.es

**Beckwith Steven V W**  
MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 8211  
① 49 622 152 8246  
✉ swwb@mpia-hd.mpg.de

**Bedding Timothy**  
School of Physics  
UNSW  
Sydney NSW 2006  
Australia  
☎ 61 2 9351 2680  
① 61 2 9351 7726  
✉ bedding@physics.usyd.edu.au

**Bedogni Roberto**  
Dpt Astronomia  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 301  
① 39 51 259 407

**Beebe Herbert A**  
Astronomy Dpt  
NMSU  
Box 30001 Dpt 4500  
Las Cruces NM 88003  
USA  
☎ 1 505 646 4438  
① 1 505 646 1602

**Beebe Reta Faye**  
Astronomy Dpt  
NMSU  
Box 30001 Dpt 4500  
Las Cruces NM 88003  
USA  
☎ 1 505 646 1938  
① 1 505 646 1602

**Beer Reinhard**  
CALTECH/JPL  
MS 183 301  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 4748  
① 1 818 393 6030

**Beers Timothy C**  
Physics/Astronomy Dpt  
Michigan State Univ  
East Lansing MI 48824  
USA  
☎ 1 517 353 4541  
① 1 517 535 4500  
✉ beers@msupa.pa.msu.edu

**Beesham Aroonkumar**  
Dpt Maths  
Univ of Zululand  
Private Bag X1001  
3886 Kwa Dlangezwa  
South Africa  
☎ 27 35 193 9111  
① 27 35 193 735  
✉ abeesham@pan.zulu.ac.za

**Begelman Mitchell Craig**  
JILA  
Univ of Colorado  
Campus Box 440  
Boulder CO 80309 0440  
USA  
☎ 1 303 492 7856  
① 1 303 492 5235  
✉ mitch@jila.colorado.edu

**Begeman Kor G**  
Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
① 31 50 363 6100  
✉ kgb@rugfx4.rug.nl

**Beggs Denis W**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
① 44 12 23 337 523

**Behr Alfred**  
Eschenweg 3  
D 3406 Bovenden  
Germany  
☎ 49 551 889 7

**Beintema Douwe A**  
SRON  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
① 31 50 363 6100

**Bekenstein Jacob D**  
Racah Inst of Phys  
Hebrew Univ Jerusalem  
Jerusalem 91904  
Israel  
☎ 972 2 658 4605  
① 972 2 61 1519  
✉ bekenste@vms.huji.ac.il

**Belinsky Vladimir A**  
Landau Inst Theor Physics  
Acad Sciences  
Leninsky Pspt 53  
117940 Moscow  
Russia  
☎ 7 095 137 3244  
① 7 095 135 7880

**Belkovich Oleg I**  
Engelhardt Astronom  
Observ  
Observatoria Station  
422526 Kazan  
Russia  
☎ 7 32 4827  
✉ eao@astro.kazan.su

**Bell Barbara**  
CFA  
HCO/SAO MS 43  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 2688

**Bell Jeffrey F**  
Inst of Geophysics  
Univ of Hawaii  
2525 Correa Rd  
Honolulu HI 96822  
USA  
☎ 1 808 956 3136  
① 1 808 956 6322  
✉ bell@kahana.pgd.hawaii.edu

**Bell Kenneth Lloyd**  
Dpt Appl Maths/Theor Phys  
Queen's Univ  
Belfast BT7 1NN  
UK  
☎ 44 12 32 24 5133  
① 44 12 32 23 9182

**Bell Morley B**  
NRCC/HIA  
100 Sussex Dr  
Ottawa ON K1A 0R6  
Canada  
☎ 1 613 993 6060  
① 1 613 952 6602

**Bell Roger A**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 454 6282  
① 1 301 314 9067

**Bell Steven**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 774  
① 44 12 23 374 700  
✉ nao@ast.cam.ac.uk

**Bell Burnell Jocelyn S**  
Physics Dpt  
The Open University  
Walton Hall  
Milton Keynes MK7 6AA  
UK  
☎ 44 190 827 4066  
① 44 190 865 4192  
✉ s.j.b.burnell@uk.ac.open

**Bell III James F**  
Astronomy Dpt  
Cornell Univ  
512 Space Sc Bldg  
Ithaca NY 14853 6801  
USA  
☎ 1 607 255 5911  
① 1 607 255 9002  
✉ jimbo@cuspf.in.cornell.edu

**Bellas-Velidis Ioannis**  
Astronomical Institute  
Ntl Observ Athens  
Box 20048  
GR 118 10 Athens  
Greece  
☎ 30 1 613 2066  
① 30 1 804 0453  
✉ ibellas@astro.noa.gr

**Belloni Tomaso**  
Astronomical Institute  
Univ of Amsterdam  
Kruislaan 403  
NL 1098 SJ Amsterdam  
Netherlands  
☎ 31 20 525 7478  
① 31 20 525 7484  
✉ tmb@astro.uva.nl

**Belmonte Aviles J A**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117

**Belserene Emilia P**  
421 E Ahlvers Rd  
Port Angeles WA 98362  
USA  
☎ 1 206 457 3806  
✉ emiliab@olympus.com

**Belton Michael J S**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 318 8000  
① 1 520 318 8360  
✉ mbelton@noao.edu

**Belvedere Gaetano**  
Istt Astronomia  
Citta Universitaria  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 2236  
① 39 95 33 0592  
✉ gbelvedere@astrct.ct.astro.it

**Bely-Dubau Francoise**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0403  
① 33 4 92 00 3023

**Belyaev Nikolaj A**  
Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
191187 St Petersburg  
Russia  
☎ 7 812 279 0667  
① 7 812 272 7968

**Bem Jerzy**  
Astronomical Institute  
Wroclaw Univ  
Ul Kopernika 11  
PL 51 622 Wroclaw  
Poland  
☎ 48 71 372 9373/74  
① 48 71 372 9378  
✉ pres@astro.uni.wroc.pl

**Ben-Jaffel Lofti**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8076  
① 33 1 44 32 8001  
✉ bjaffel@iap.fr

**Benacchio Leopoldo**  
Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
① 39 49 875 9840

**Benaglia Paula**  
IAR  
CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 254 909  
① 54 21 254 909  
✉ pbenagli@irma.edu.ar

**Benavente Jose**  
Urbanizacion Las Redes  
Oceano Atlantico 11  
E 11500 Puerto Santa Mari  
Spain

**Benaydoun Jean-Jacques**  
Observ Grenoble  
Lab Astrophysique  
BP 53x  
F 38041 S Martin Heres Cdx  
France  
☎ 33 4 76 51 4914  
① 33 4 76 44 8821

**Bender Peter L**  
JILA  
Univ of Colorado  
Campus Box 440  
Boulder CO 80309 0440  
USA  
☎ 1 303 492 6793  
① 1 303 492 5235  
✉ pbender@jila.colorado.edu

**Bender Ralf**  
Inst Astron/Astrophysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 220 9426  
① 49 899 220 9427  
✉ bender@usm.uni-muenchen.de

**Beninelli Orazio**  
Dpt Astronomia  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 301  
① 39 51 259 407

**Benlin Cornelia**  
Astronomisches Institut  
Univ Wuerzburg  
am Hubland  
D 97074 Wuerzburg  
Germany  
☎ 49 931 888 5035  
① 49 931 888 4603  
✉ benlin@astro.uni-wuerzburg.de

**Benedict George F**  
McDonald Observ  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 3448  
① 1 512 471 6016  
✉ fritz@dorrit.as.utexas.edu

**Benest Daniel**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 92 00 3108  
① 33 4 92 00 3033  
✉ benest@obs-nice.fr



**Benevides Soares P**  
 IAG  
 Univ Sao Paulo  
 CP 9638  
 01065 970 Sao Paulo SP  
 Brazil  
 ☎ 55 11 275 3720  
 ☎ 55 11 276 3848  
 ✉ pbs@vax.iagusp.usp.br

**Benford Gregory**  
 Dpt Phys/Astronomy  
 UCI  
 Irvine CA 92697 4575  
 USA  
 ☎ 1 714 824 5147  
 ☎ 1 714 824 2174

**Benn Chris R**  
 Royal Greenwich Obs  
 Apt 321  
 Santa Cruz de La Palma  
 E 38780 Santa Cruz  
 Spain  
 ☎ 34 2 240 5500  
 ☎ 34 2 240 5646/405 501  
 ✉ crb@ing.iac.es

**Bennett Charles L**  
 NASA GSFC  
 Code 685  
 Greenbelt MD 20771  
 USA  
 ☎ 1 301 286 3902

**Bennett Kevin**  
 ESA/ESTEC  
 SSD  
 Box 299  
 NL 2200 AG Noordwijk  
 Netherlands  
 ☎ 31 71 565 6555  
 ☎ 31 71 565 4690  
 ✉ kbennett@astro.estec.esa.nl

**Bensammar Slimane**  
 Observ Paris Meudon  
 DASGAL  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7835  
 ☎ 33 1 45 07 7971

**Benson Priscilla J**  
 Whitin Observ  
 Wellesley Coll  
 Wellesley MA 02181  
 USA  
 ☎ 1 617 235 0320  
 ☎ 1 617 283 3667  
 ✉ pbenson@lucy.wellesley.edu

**Benvenuti Piero**  
 ESO  
 ST/ECF  
 Karl Schwarzschildstr 2  
 D 85748 Garching  
 Germany  
 ☎ 49 893 200 6291  
 ☎ 49 893 202 362

**Benvenuto Omar**  
 Observ Astronomico  
 Paseo d Bosque S/n  
 1900 La Plata (Bs As)  
 Argentina  
 ☎ 54 21 217 308  
 ☎ 54 21 255 004

**Benz Arnold O**  
 Inst Astronomie  
 ETH Zentrum  
 CH 8092 Zuerich  
 Switzerland  
 ☎ 41 1 632 4223  
 ☎ 41 1 632 12 05  
 ✉ benz@astro.phys.ethz.ch

**Benz Willy**  
 Cfa  
 HCO/SAO  
 60 Garden St  
 Cambridge MA 02138 1516  
 USA  
 ☎ 1 617 495 9889  
 ☎ 1 617 495 7356

**Berczik Peter**  
 Main Astronomical Obs  
 Ukrainian Acad Science  
 Golosiiv  
 252650 Kyiv 22  
 Ukraine  
 ☎ 380 4426 63110  
 ☎ 380 4426 62147  
 ✉ berczik@mao.kiev.ua

**Berdnikov Leonid N**  
 SAI  
 Acad Sciences  
 Universitetskij Pr 13  
 119899 Moscow  
 Russia  
 ☎ 7 095 939 1622  
 ☎ 7 095 932 8841  
 ✉ berdnik@sai.msu.su

**Berendzen Richard**  
 Physics Dpt  
 The American Univ  
 Washington DC 20016 8058  
 USA  
 ☎ 1 202 885 2121

**Berg Richard A**  
 Nil Imagery/Map Agency  
 Stop D 82  
 4600 Sangamore  
 Bethesda MD 20816  
 USA  
 ☎ 1 301 227 3334  
 ☎ 1 301 277 3332  
 ✉ berg@nima.mil

**Berge Glenn L**  
 421 Mariposa Av  
 Sierra Madre CA 91024  
 USA

**Bergeat Jacques G**  
 Observ Lyon  
 Av Ch Andre  
 F 69561 S Genis Laval cdx  
 France  
 ☎ 33 4 78 56 0705  
 ☎ 33 4 72 39 9791

**Berger Christiane**  
 OCA  
 CERGA  
 F 06130 Grasse  
 France  
 ☎ 33 4 93 40 5389  
 ☎ 33 4 93 40 5353  
 ✉ berger@ocar01.obs-azur.fr

**Berger Jacques G**  
 Observ Paris  
 61 Av Observatoire  
 F 75014 Paris  
 France  
 ☎ 33 1 40 51 2247  
 ☎ 33 1 44 54 1804

**Berger Mitchell**  
 Dpt Applied Maths  
 Univ of St Andrews  
 North Haugh  
 St Andrews Fife KY16 9SS  
 UK  
 ☎ 44 1334 76161  
 ☎ 44 1334 74487

**Bergeron Jacqueline A**  
 ESO  
 Karl Schwarzschildstr 2  
 D 85748 Garching  
 Germany  
 ☎ 49 893 200 60  
 ☎ 49 893 202 362  
 ✉ jbergero@eso.org

**Bergman Per-Goeran**  
 Onsala Space Observ  
 Chalmers Technical Univ  
 S 439 92 Onsala  
 Sweden  
 ☎ 46 3 1772 5552  
 ☎ 46 3 1772 5590  
 ✉ bergman@oso.chalmers.se

**Bergstralh Jay T**  
 NASA Headquarters  
 MC SLC  
 600 Independence Av SW  
 Washington DC 20546  
 USA  
 ☎ 1 202 358 0313  
 ☎ 1 202 358 3097  
 ✉ jbergstr@nhq.vax.hq.nasa.gov

**Bergvall Nils Ake Sigvard**  
 Astronomical Observ  
 Box 515  
 S 751 20 Uppsala  
 Sweden  
 ☎ 46 18 53 0265  
 ☎ 46 18 527 583

**Berkhuijsen Elly M**  
 RAIUB  
 Univ Bonn  
 auf d Huegel 69  
 D 53121 Bonn  
 Germany  
 ☎ 49 228 525 0  
 ☎ 49 228 525 229

**Berman Marcelo S**  
 Rua Candido Hartman 575  
 Apt 17 Ed Renoir  
 80430 Curitiba PR  
 Brazil  
 ☎ 55 412 24 6426  
 ☎ 55 41 226 1679

**Berman Robert Hiram**  
 Physics Dpt  
 MIT  
 Box 165  
 Cambridge MA 02139 4307  
 USA  
 ☎ 1 617 253 1000  
 ☎ 1 617 253 9798

**Berman Vladimir**  
 STScI  
 Homewood Campus  
 3700 San Martin Dr  
 Baltimore MD 21218  
 USA  
 ☎ 1 301 486 3518  
 ☎ 1 301 338 4767  
 ✉ berman@stsci.edu

**Bernabeu Guillermo**  
 Dto Fisica e Ing de  
 Esc Politecnica Superior  
 Apt 99 Univ Alicante  
 E 03080 Alicante  
 Spain  
 ☎ 34 6 590 3682  
 ✉ bernabeu@disc.ua.es

**Bernacca Pietio L**  
 Osserv Astrofisico  
 Univ d Padova  
 Via d Osservatorio 8  
 I 36012 Asiago  
 Italy  
 ☎ 39 424 462 665  
 ☎ 39 424 462 884

**Bernat Andrew Plous**  
 Dpt Computer Science  
 Univ of Texas  
 El Paso TX 79968  
 USA  
 ☎ 1 915 747 5480  
 ☎ 1 915 747 5030  
 ✉ abernat@cs.utep.edu

**Bernstein Hans Heinrich**  
 ARI  
 Moenchhofstr 12-14  
 D 69120 Heidelberg  
 Germany  
 ☎ 49 622 140 5252  
 ☎ 49 622 140 5297  
 ✉ s03@ix.urz.uni-heidelberg.de

**Berrilli Francesco**  
 Dpt Fisica/Astrofisica  
 Univ d Roma Tor Vergata  
 Via Ric Scientifica  
 I 00133 Roma  
 Italy  
 ☎ 39 6 7259 4552  
 ☎ 39 6 202 3507  
 ✉ berrilli@roma2.infn.it

**Berrington Keith Adrian**  
Dpt Appl Maths/Theor Phys  
Queen's Univ  
Belfast BT7 1NN  
UK  
☎ 44 12 32 24 5133  
① 44 12 32 23 9182

**Berruyer-Desirrotte Nicole**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 92 00 3011  
① 33 4 92 00 3033

**Bersier David**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 490 290  
① 61 262 490 233  
✉ bersier@mso.anu.edu.au

**Bertaux Jean-Loup**  
Service Aeronomie  
BP 3  
F 91371 Verrieres Buisson  
France  
☎ 33 1 69 20 3116

**Bertelli Gianpaolo**  
Dpt Astronomia  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
① 39 49 875 9840

**Berthet Stephane**  
Office Federal Education  
& Science  
Box 5675  
CH 3001 Bern  
Switzerland  
☎ 41 31 322 9967  
① 41 31 322 7854  
✉ stephane.berthet@fz.bbw0.adwin-ch.admin-

**Berthomieu Gabrielle**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
① 33 4 92 00 3033

**Bertin Giuseppe**  
Scuola Normale Superiore  
Classe d Scienze  
Piazza dei Cavalieri 7  
I 56126 Pisa  
Italy  
☎ 39 50 509 265  
① 39 50 563 513  
✉ bertin@sns.it

**Bertola Francesco**  
Dpt Astronomia  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3436  
① 39 49 875 9840  
✉ bertola@astrpd.astro.it

**Bertout Claude**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8000  
① 33 1 44 32 8001

**Bertschinger Edmund**  
Physics Dpt  
MIT Rm 6 207  
Box 165  
Cambridge MA 02139 4307  
USA  
☎ 1 617 253 5083  
① 1 617 253 9798  
✉ edbert@arcturus.mit.edu

**Bessell Michael S**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 490 268  
① 61 262 490 233  
✉ bessell@merlin.anu.edu.au

**Betancort-Rijo Juan**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117

**Bettis Dale G**  
TICOM  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA

**Bettoni Daniela**  
Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
① 39 49 875 9840

**Beuermann Klaus P**  
Univ Sternwarte  
Goettingen  
Geismarlandstr 11  
D 37083 Goettingen  
Germany  
☎ 49 551 395 041  
① 49 551 395 043  
✉ beuermann@uswo50.dnet.gwdg.de

**Beutler Gerhard**  
Astronomisches Institut  
Univ Bern  
Sidlerstr 5  
CH 3012 Bern  
Switzerland  
☎ 41 31 631 8591  
① 41 31 631 3869  
✉ beutler@ainu.unibe.ch

**Bhandari N**  
PRL  
Navrangpura  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
① 91 272 44 5292

**Bhandari Rajendra**  
RRI  
Sadashivanagar  
CV Raman Av  
Bangalore 560 080  
India  
☎ 91 80 336 0122  
① 91 80 334 0492

**Bhat Chaman Lal**  
Nuclear Res Lab  
Bhabha Atomic Res Ctr  
Trombay  
Bombay 400 085  
India  
☎ 91 22 55 4225  
① 91 22 556 0750  
✉ clbhat@magnum.barctl.ernet.in

**Bhat Narayana P**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 495 2311  
① 91 22 495 2110

**Bhatia Prem K**  
Mathematics Dpt  
Univ of Jodhpur  
Jodhpur 342 001  
India

**Bhatia R K**  
Astronomy Dpt  
Univ of Osmania  
Hyderabad 500 007  
India  
☎ 91 71 951

**Bhatia V B**  
Dpt Phys/Astrophys  
Univ of Delhi  
New Delhi 110 007  
India  
☎ 91 11 291 8993

**Bhatnagar Arvind**  
Udaipur Solar Observ  
11 Vidya Marg  
Udaipur 313 001  
India  
☎ 91 25 626/23 861

**Bhatnagar Ashok Kumar**  
Positional Astr Ctr  
P 546 Block N 1st fl  
New Alipore  
Calcutta 700 053  
India  
☎ 91 33 450 321/493 541

**Bhatnagar K B**  
IA/47 C  
Ashok Vihar  
Delhi 110 052  
India  
☎ 91 743 0366  
① 91 724 2427

**Bhatt H C**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585  
① 91 80 553 4043

**Bhattacharjee Pijushpani**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 0672/0676  
① 91 80 553 4043  
✉ pijush@iia.ernet.in

**Bhattacharya Dipankar**  
RRI  
Sadashivanagar  
CV Raman Av  
Bangalore 560 080  
India  
☎ 91 80 334 0122  
① 91 80 334 0492  
✉ dipankar@rri.ernet.in

**Bhattacharyya J C**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6583/6585  
① 91 80 553 4043

**Bhavsar Suketu P**  
Dpt Phys/Astronomy  
Univ Kentucky  
Lexington KY 40506 0055  
USA  
☎ 1 606 257 6722  
① 1 606 323 2846

**Bhonsle Rajaram V**  
PRL  
Navrangpura  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
① 91 272 44 5292

**Bian Yulin**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855  
✉ bmabao@ica.beijing.cnet.cn

**Bianchi Luciana**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 516 5009  
☎ 1 410 338 7967  
✉ bianchi@stsci.edu

**Bianchini Antonio**  
Osserv Astrofisico  
Univ d Padova  
Via d Osservatorio 8  
I 36012 Asiago  
Italy  
☎ 39 424 462 665  
☎ 39 424 462 884

**Bibarsov Ravil-sh**  
Astrophys Inst  
Uzbek Acad Sci  
Sviridenko Ul 22  
734670 Dushanbe  
Tajikistan  
☎ 7 3770 23 1432  
☎ 7 3770 27 5483

**Bica Eduardo L D**  
Instituto Fisica  
UFRGS  
CP 15051  
91501 900 Porto Alegre RS  
Brazil  
☎ 55 512 36 4677

**Bicak Jiri**  
Dpt Theor Physics  
Charles Univ  
V Holesovickach 2  
CZ 180 00 Praha 8  
Czech R  
☎ 420 2 8576 2493  
☎ 420 2 688 5095  
✉ bicak@hp03.troja.mff.  
cuni.cz

**Bicknell Geoffrey V**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 490 245  
☎ 61 262 490 233  
✉ geoff@mso.anu.edu.au

**Bidelman William P**  
Physics Dpt  
CWRU  
Rock Bdg  
Cleveland OH 44106  
USA  
☎ 1 216 368 6699

**Bieging John Harold**  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 4878  
☎ 1 520 621 1532  
✉ jbieging@as.arizona.edu

**Biemont Emile**  
Inst Astrophysique  
Universite Liege  
Av Coinite 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
☎ 32 4 254 7511  
✉ biemont@astro.ulg.ac.be

**Bien Reinhold**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 50  
☎ 49 622 140 5297  
✉ s04@mvs.urz.uni-  
heidelberg.de

**Bienayme Olivier**  
Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0710  
☎ 33 3 88 25 0160  
✉ bienayme@cdsxb6.u-  
strasbg.fr

**Biermann Peter L**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 279  
☎ 49 228 525 229  
✉ plbiermann@mpifr-  
bonn.mpg

**Bifang Zhou**  
Ctr for Astronomy  
Instrumen Res  
CAS  
Nanjing 210042  
China PR  
☎ 86 25 64 6191  
☎ 86 25 71 1256  
✉ zbfnairc@pub.jlonline.com

**Biggs James**  
Perth Observ  
Walnut Rd  
Bickley WA 6076  
Australia  
☎ 61 8 92 93 8255  
☎ 61 8 92 93 8138  
✉ rbiggsjd@cc.curtin.  
edu.au

**Bignami Giovanni F**  
IFCTR CNR  
Univ d Milano  
Via E Bassini 15  
I 20133 Milano  
Italy  
☎ 39 2 236 3542  
☎ 39 2 266 5753  
✉ gft@ifctr.mi.cnr.it

**Bignell R Carl**  
NRAO  
VLA  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 772 4242  
☎ 1 505 835 7027

**Bijaoui Albert**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
☎ 33 4 92 00 3033

**Bijleveld Willem**  
Omniversum Space Theatre  
Pres Kennedylaan 5  
NL 2517 JK The Hague  
Netherlands  
☎ 31 70 54 7479  
☎ 31 70 52 4280

**Bikmaev Ilfan**  
Astronomy Dpt  
Kazan State Univ  
Kremlevskaya Str 18  
Kazan 420008  
Russia  
☎ 7 843 264 3092  
✉ bikmaev@astro.ksu.  
ras.ru

**Billingham John**  
SETI Institute  
2035 Landings Dr  
Mountain View CA 94043  
USA  
☎ 1 415 961 6633  
☎ 1 415 961 7099

**Billings Donald E**  
Crabtree  
14557 Old Rivers Rd S  
Statesboro CA 30458  
USA  
☎ 1 912 764 7625

**Binette Luc**  
Observ Lyon  
Av Ch Andre  
F 69561 St Genis Laval Cdx  
France  
☎ 33 4 78 56 0705  
☎ 33 4 72 39 9791  
✉ binette@obs.Univ-lyon1.fr

**Binggeli Bruno**  
Astronomisches Institut  
Univ Basel  
Venusstr 7  
CH 4102 Binningen  
Switzerland  
☎ 41 61 271 7711/12  
☎ 41 61 205 5455  
✉ binggeli@astro.unibas.ch

**Bingham Richard G**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 419 3513  
☎ 44 171 380 7153  
✉ rgb@star.ucl.ac.uk

**Binney James J**  
Dpt Th Physics  
Univ of Oxford  
Keble Rd  
Oxford OX1 3NP  
UK  
☎ 44 186 527 3979  
☎ 44 186 527 3947  
✉ binney@thphys.ox.ac.uk

**Binzel Richard P**  
Dpt Earth Science  
MIT Rm 54 426  
Box 165  
Cambridge MA 02139  
USA  
☎ 1 617 253 6486  
✉ rpb@astron.mit.edu

**Biraud Francois**  
Observ Paris Meudon  
ARPEGES  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7602  
☎ 33 1 45 07 7971

**Birch Peter**  
Perth Observ  
Walnut Rd  
Bickley WA 6076  
Australia  
☎ 61 8 92 93 8255  
☎ 61 8 92 93 8138  
✉ pvbirch@iinet.net.au

**Biretta John Anthony**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4917  
☎ 1 301 338 4767  
✉ biretta@stsci.edu

**Birkinshaw Mark**  
Physics Dpt  
Univ of Bristol  
Tyndall Av  
Bristol BS8 1TL  
UK  
☎ 44 11 79 288 775  
☎ 44 11 79 255 624  
✉ Mark.Birkinshaw@bristol.  
ac.uk

**Birkle Kurt**  
MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 80  
☎ 49 622 152 8246

**Bishop Roy L**

Avonport NS BOP 1B0  
Canada

**Bisiacchi Gianfranco**

Instituto Astronomia

UNAM

Apt 70 264

Mexico DF 04510

Mexico

☎ 52 5 622 3906

☎ 52 5 616 0653

**Bisikalo Dmitrij V**

Inst of Astronomy

Acad Sciences

Pyatnitskaya Ul 48

109017 Moscow

Russia

☎ 7 095 231 7375

☎ 7 095 230 2081

✉ bisikalo@inasan.rssi.ru

**Bisnovatyi-Kogan Grennadij S**

Space Res Inst

Acad Sciences

Profsojuznaya Ul 84/32

117810 Moscow

Russia

☎ 7 095 333 3122

☎ 7 095 310 7023

**Biswas Sukumar**

TIFR/Cosmic Ray Gr

Homi Bhabha Rd

Colaba

Bombay 400 005

India

☎ 91 22 219 111

☎ 91 22 215 2110

**Bjornsson Gunnlaugur**

Science Institute

Univ of Iceland

Dunhaga 3

IS 107 Reykjavik

Iceland

☎ 354 525 4800

☎ 354 552 8911

✉ gulli@raunvis.hi.is

**Bjornsson Claes-Ingvar**

Stockholm Observ

Royal Swedish Acad Sciences

S 133 36 Saltsjoebaden

Sweden

☎ 46 8 717 0195

☎ 46 8 717 4719

✉ bjornsson@astro.su.se

**Blaauw Adriaan**

Kapteyn Sterrekundig Inst

Univ Groningen

Postbus 800

NL 9700 AV Groningen

Netherlands

☎ 31 50 363 4073

☎ 31 50 363 6100

✉ blaauw@astro.rug.nl

**Black Adam Robert S**

CUP

West Coast Office, Press Building

Stanford Univ

Stanford CA 94305 2235

USA

☎ 44 650 723 0663

☎ 44 650 723 0625

✉ ablack@cup.stanford.edu

**Black John Harry**

Onsala Space Observ

Chalmers Technical Univ

S 439 92 Onsala

Sweden

☎ 46 31 772 5500

☎ 46 31 772 5590

✉ jblack@oso.chalmers.se

**Blackman Clinton Paul**

DERA

Chobham Lane

Chertsey

Surrey KT16 0EE

UK

☎ 44 134 463 3149

✉ cpblackman@dra.hmg.gov.uk

**Blackwell Donald E**

Astrophysics Dpt

Univ of Oxford

Keble Rd

Oxford OX1 3RQ

UK

☎ 44 186 551 1336

☎ 44 186 527 3947

**Blades John Chris**

STScI

Homewood Campus

3700 San Martin Dr

Baltimore MD 21218

USA

☎ 1 301 338 4805

☎ 1 301 338 4767

✉ blades@stsci.edu

**Blaha Milan**

NRL

Code 4720

4555 Overlook Av SW

Washington DC 20375 5000

USA

☎ 1 202 878 6700

**Blair David Gerald**

Physics Dpt

Univ W Australia

Nedlands WA 6009

Australia

☎ 61 9 380 2738

☎ 61 9 380 1014

**Blair Guy Norman**

MS 63 196

Box 1000

Wilsonville OR 97070

USA

✉ guy\_blair@ccm.hf.intel.com

**Blair William P**

Dpt Phys/Astronomy

JHU

Charles/34th St

Baltimore MD 21218

USA

☎ 1 301 516 8447

☎ 1 301 516 8260

✉ wpb@hut4.pha.jhu.edu

**Blamont Jacques-Emile**

CNES

2 Pl Maurice Quentin

F 75039 Paris Cdx 01

France

☎ 33 1 45 08 7612

☎ 33 1 44 76 7676

**Blanchard Alain**

Observ Strasbourg

11 r Universite

F 67000 Strasbourg

France

☎ 33 3 88 15 0731

☎ 33 3 88 25 0160

✉ blanchard@cdsxb6.u-

strasbu.fr

**Blanco Carlo**

Istt Astronomia

Citta Universitaria

Via A Doria 6

I 95125 Catania

Italy

☎ 39 95 733 2245

☎ 39 95 33 0592

✉ cblanco@alpha4.ct.astro.it

**Blanco Victor M**

636 Flamevine Lane

Vero Beach FL 32963

USA

✉ vblanco@noao.edu

**Blanc-Hawthorn Jonathan**

AAO

Box 296

Epping NSW 2121

Australia

☎ 61 2 9372 4851

☎ 61 2 9372 4880

**Blandford Roger David**

CALTECH

MS 130 33

Theoretical Astrophysics

Pasadena CA 91125

USA

☎ 1 818 395 4200

☎ 1 818 796 5675

✉ rdb@tapir.caltech.edu

**Blasius Karl Richard**

Santa Barbara

Research Ctr B 31/40

75 Coromar Dr

Goleta CA 93117

USA

☎ 1 805 968 3511

**Blazit Alain**

OCA

Observ Calern/Caussois

2130 r Observatoire

F 06460 S Vallier Thiey

France

☎ 33 4 93 42 6270

**Blecha Andre Boris G**

Observ Geneve

Chemin d Maillettes 51

CH 1290 Sauverny

Switzerland

☎ 41 22 755 2611

☎ 41 22 755 3983

✉ andre.blecha@obs.unige.ch

**Bleeker Johan A M Ir**

SRON

Postbus 800

Sorbonnelaan 2

NL 3584 CA Utrecht

Netherlands

☎ 31 30 253 5732

☎ 31 30 254 0860

✉ jbleeker@srn.ruu.nl

**Bless Robert C**

Astronomy Dpt

Univ Wisconsin

475 N Charter St

Madison WI 53706 1582

USA

☎ 1 608 262 1715

☎ 1 608 263 0361

✉ bless@sal.wisc.edu

**Bleyer Ulrich**

URANIA Berlin eV

An d Urania 17

D 10787 Berlin

Germany

☎ 49 302 189 091

☎ 49 302 110 998

**Blinov Nikolai S**

SAI

Acad Sciences

Universitetskij Pr 13

119899 Moscow

Russia

☎ 7 095 939 1049

☎ 7 095 932 8841

✉ japet@sai.msu.ru

**Blitz Leo**

Astronomy Program

Univ of Maryland

College Park MD 20742 2421

USA

☎ 1 301 405 6650

☎ 1 301 314 9067

✉ blitz@astro.umd.edu

**Blitzstein William**

Dpt Astron/Astrophys

Univ of Pennsylvania

David Rittenhouse Lab E1

Philadelphia PA 19104

USA

☎ 1 215 898 7899

☎ 1 215 898 9336

**Block David Lazar**

Dpt Comput/Appl Maths

Witwatersrand Univ

Private Bag 3

2050 Wits

South Africa

☎ 27 11 716 3761

☎ 27 11 339 7965

✉ block@gauss.cam.wits.ac.za

**Bloemen Johannes B G M**

SRON  
Postbus 800  
Sorbonnelaan 2  
NL 3584 CA Utrecht  
Netherlands  
☎ 31 30 253 8572  
☎ 31 30 254 0860  
✉ H.Bloemen@sron.ruu.nl

**Bloemhof Eric E**

CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 356 4000  
☎ 1 818 568 9352  
✉ eeb@astro.caltech.edu

**Blomme Ronny**

Koninklijke Sterrenwacht  
van België  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0284  
☎ 32 2 374 9822  
✉ Ronny.Blomme@oma.be

**Blondin John M**

Physics Dpt  
N Carolina State Univ  
Raleigh NC 27695 8202  
USA  
☎ 1 919 515 7096  
☎ 1 919 515 6538  
✉ john\_blondin@ncsu.edu

**Blow Graham L**

Sky Data Services  
Box 2241  
Wellington  
New Zealand  
☎ 64 4 479 2504  
✉ blow\_g@kosmos.wcc.govt.nz

**Bludman Sidney A**

Physics Dpt  
Univ of Pennsylvania  
Philadelphia PA 19104  
USA  
☎ 1 215 898 8151  
☎ 1 215 898 2010  
✉ bludman@bludman.hep.upenn.edu

**Blum Peter**

IAEF  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany  
☎ 49 228 73 3665  
☎ 49 228 73 3672

**Blumenthal George R**

Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 429 2005  
☎ 1 831 426 3115

**Bo Shuren**

Inst History Nat Science  
137 Cao Neistreet  
Beijing 100080  
China PR  
☎ 86 1 55 7180

**Bobrowsky Matthew**

CTA Inc  
4601 Forbes Blvd  
Suite 210  
Lanham MD 20706  
USA  
☎ 1 301 982 5414  
☎ 1 301 459 3304  
✉ matb@cta.com

**Bocchia Romeo**

Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
☎ 33 5 56 40 4251

**Bochkarev Nikolai G**

SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 1672/932 8844  
☎ 7 095 939 0126  
✉ boch@sai.msk.su

**Bochonko D Richard**

Dpt Maths/Astronomy  
Univ of Manitoba  
Winnipeg MB R3T 2M8  
Canada  
☎ 1 204 474 9501

**Bochsler Peter**

Physikalisches Institut  
Univ Bern  
Sidlerstr 5  
CH 3012 Bern  
Switzerland  
☎ 41 31 65 4429

**Bockelee-Morvan Dominique**

Observ Paris Meudon  
ARPEGES  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7605  
☎ 33 1 45 07 7971

**Boddapati G Anandarao**

PRL  
Navrangpura  
Room 760  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
☎ 91 272 44 5292

**Bode Michael F**

Astrophysics Group  
Liverpool J M Univ  
Byrom St  
Liverpool L3 3AF  
UK  
☎ 44 151 231 2337  
☎ 44 151 231 2337

**Bodenheimer Peter**

Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 429 2064  
☎ 1 831 426 3115

**Bodo Gianluigi**

Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9000  
☎ 39 11 461 9030

**Boechat-Roberty Heloisa M**

Univ Fed Rio d Janeiro  
Observ d Valongo  
Ladeira Pedro Antonio 43  
20080 090 Rio de Janeiro  
Brazil  
☎ 55 21 263 0685  
☎ 55 21 263 0685  
✉ heloisa@ov.ufrj.br

**Boehm Karl-Heinz**

Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA  
☎ 1 425 543 2888  
☎ 1 425 685 0403

**Boehm-Vitense Erika**

Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA  
☎ 1 425 543 4858  
☎ 1 425 685 0403

**Boehnhardt Hermann**

Inst Astron/Astrophysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 220 9446  
☎ 49 899 220 9427  
✉ hermann@vlt.usm.uni-muenchen.d

**Boerner Gerhard**

MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 00  
☎ 49 893 299 3235

**Boerngen Freimut**

Pfarrgartenstr 1  
D 07751 Isserstedt  
Germany

**Boesgaard Ann M**

Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 8756  
☎ 1 808 988 2790

**Boeshaar Gregory Orth**

STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4700  
☎ 1 301 338 4767

**Bogdanovicius Pavelas**

Inst Theor Physics/  
Astronomy  
Gostauto 12  
Vilnius 2600  
Lithuania  
☎ 370 2 620 949  
☎ 370 2 225 361  
✉ bogd@itpa.fi.it

**Boggess Albert**

2420 Balsam Dr  
Boulder CO 80304  
USA  
☎ hrsboggess@stars.gsfc.nasa.gov

**Boggess Nancy W**

319 Stonington Rd  
Silver Spring MD 20902  
USA

**Bogod Vladimir M**

Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4200  
☎ 7 812 314 3360  
✉ vbog@radiosun.spb.su

**Bohannan Bruce Edward**

NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
☎ 1 520 325 9360

**Bohlender David**

DAO  
NRCC/HIA  
5071 West Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 363 0025  
☎ 1 250 363 0045  
✉ david.bohlender@hia.nrc.ca

**Bohlin J David**

NASA Headquarters  
Code EZ  
600 Independence Av SW  
Washington DC 20546  
USA  
☎ 1 202 453 1466

**Bohlin Ralph C**

STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4804  
☎ 1 301 338 4767

**Bohn Horst-Ulrich**  
Elzerberg 21  
D 82541 Muensing Ammerlan  
Germany  
☎ 49 817 792 030  
☎ 49 817 792 032  
✉ ubohn@alpha.connectnet.de

**Bohrmann Alfred**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4112  
☎ 49 407 252 4198

**Boice Daniel Craig**  
Southwest Res Inst  
Div 15  
6220 Culebra Rd  
San Antonio TX 78228 0551  
USA  
☎ 1 210 522 3782  
☎ 1 210 647 4325  
✉ boice@swri.space.  
swri.edu

**Bois Eric**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 57 77 6125  
☎ 33 5 57 77 6110  
✉ bois@observ.u-  
bordeaux.fr

**Boisse Patrick**  
DEMIRM  
ENS  
24 r Lhomond  
F 75231 Paris Cdx 05  
France  
☎ 33 1 43 29 1225  
☎ 33 1 45 87 3489

**Boisson Catherine**  
Observ Paris Meudon  
DAEC  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7436  
☎ 33 1 45 07 7469  
✉ boisson@obsprm.fr

**Boksenberg Alec**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 339 909  
☎ 44 12 23 33 9910  
✉ boksy@ast.cam.ac.uk

**Boland Wilfried**  
NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 521 59 5100  
☎ 31 52 159 7332

**Bolcal Cetin**  
Physics Dpt  
Univ of Istanbul  
University 34452  
34459 Vezneçiler  
Turkey  
☎ 90 212 332 0240  
☎ 90 212 519 0834

**Boldt Elihu**  
NASA GSFC  
Code 661  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5853

**Boley Forrest I**  
7 River Woods Dr  
C 114  
Exeter NH 03833  
USA

**Boloix Rafael**  
ROA  
Cecilio Pujazon 22-3 A  
E 11110 San Fernando  
Spain  
☎ 34 5 688 3548  
☎ 34 5 659 9366

**Bolton C Thomas**  
David Dunlap Observ  
Univ of Toronto  
Box 360  
Richmond Hill ON L4C 4Y6  
Canada  
☎ 1 905 884 9562  
☎ 1 905 884 2672  
✉ bolton@astro.utoronto.ca

**Bomans Dominik J**  
Astronomisches Institut  
Ruhr Univ Bochum  
Postfach 102148  
D 44780 Bochum  
Germany  
☎ 49 234 700 2335  
☎ 49 234 709 4169  
✉ bomans@astro.ruhr-uni-  
bochum.de

**Bommier Veronique**  
Observ Paris Meudon  
DAMAP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7454  
☎ 33 1 45 07 7472

**Bonaccini Domenico**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 43 78540  
☎ 39 55 43 5939

**Bonanno Giovanni**  
Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 2204  
☎ 39 95 33 0592  
✉ gbo@sunct.ct.astro.it

**Bonanno Giovanni**  
Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 21111  
☎ 39 95 33 0592

**Bonazzola Silvano**  
Observ Paris Meudon  
DARC  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7429  
☎ 33 1 45 07 7971

**Bond Howard E**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4718  
☎ 1 301 338 4767  
✉ bond@stsci.edu

**Bond John Richard**  
Cita McLennan Labs  
Univ of Toronto  
60 St George St  
Toronto ON M5S 1A1  
Canada  
☎ 1 416 978 6874  
☎ 1 416 978 3921  
✉ bond@utorphys.edu

**Bondal Krishna Raj**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136/2583

**Bondarenko Ludmila N**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 139 3721  
☎ 7 095 939 0126

**Bondi Hermann**  
69 Mill Lane  
Impington Cambs CB4 4XN  
UK  
☎ 44 122 323 5075  
☎ 44 122 333 6180

**Bonet Jose A**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Bonev Tanyu**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
☎ 359 2 75 8927  
✉ tbonev@phys.acad.bg

**Bonifazi Angelo**  
Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 401  
☎ 39 51 259 407  
✉ lino@astbo3.bo.astro.it

**Bonneau Daniel**  
OCA  
Observ Calern/Caussols  
2130 r Observatoire  
F 06460 S Vallier Thiey  
France  
☎ 33 4 93 40 5454  
☎ 33 4 93 40 5433

**Bonnet Roger M**  
ESA  
8 10 r Mario Nikis  
F 75738 Paris Cdx 15  
France  
☎ 33 1 53 69 7654  
☎ 33 1 53 69 7236

**Bonnet-Bidaud Jean-Marc**  
DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 9259  
☎ 33 1 69 08 6577

**Bonnor W B**  
1 South Bank Terrace  
Surrey Surrey KT6 6DG  
UK  
☎ 44 139 91 103

**Bono Giuseppe**  
OAT  
Box Succ Trieste 5  
Via Tiepolo li  
I 34131 Trieste  
Italy  
☎ 39 40 31 99233  
☎ 39 40 30 9418

**Bonoli Fabrizio**  
Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 401  
☎ 39 51 259 407

**Bonometto Silvio A**  
Dpt Fisica G Galilei  
Univ d Padova  
Via Marzolo 8  
I 35131 Padova  
Italy  
☎ 39 49 84 4111  
☎ 39 49 84 4245

**Bonsack Walter K**  
Suite 298  
5100 1b Clayton Rd  
Concord CA 94521  
USA

**Bontekoe Romke**  
Bontekoe Data Consultancy  
Herengracht 47  
NL 2312 LC Leiden  
Netherlands  
☎ 31 71 512 0491  
☎ 31 71 512 0491  
✉ romke

**Book David L**  
NRL  
Code 4040  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 6700

**Bookbinder Jay A**  
CfA  
HCO/SAO MS 58  
60 Garden St  
Cambridge MA 02138 1516  
USA

☎ 1 617 495 7058  
☎ 1 617 495 7356  
✉ bookbind@cfa227.  
harvard.edu

**Bookmyer Beverly B**  
Dpt Phys/Astronomy  
Clemson Univ  
Clemson SC 29634 1911  
USA  
☎ 1 803 656 3417

**Booth Andrew J**  
CALTECH/JPL  
MS 171 113  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 213 351 1321  
☎ 1 818 393 6030  
✉ booth@physics.usyd.  
edu.au

**Booth Roy S**  
Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5500  
☎ 46 31 772 5550

**Bopp Bernard W**  
Dpt Phys/Astronomy  
Univ of Toledo  
2801 W Bancroft St  
Toledo OH 43606  
USA  
☎ 1 419 537 2274  
☎ 1 419 530 2723

**Borchkhadze Tengiz M**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
380060 Tbilisi  
Georgia  
☎ 995 88 32 37 5226  
☎ 995 88 32 98 5017  
✉ tenat@dtapha.kheta.ge

**Bord Donald John**  
Dpt Natural Sci  
Univ of Michigan  
Dearborn  
Dearborn MI 48128  
USA  
☎ 1 313 593 5483

**Borderies Nicole**  
CALTECH/JPL  
MS 301 150  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 8211  
☎ 1 818 393 6030

**Borgeest Ulf**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4121  
☎ 49 407 252 4198  
✉ st40010@dhhuni4

**Borgman Jan**  
Nieuwe Parklaan 4  
NL 2597 LC The Hague  
Netherlands

**Borgnino Julien**  
Dpt Astrophysique  
Universite Nice  
Parc Valrose  
F 06034 Nice Cdx  
France  
☎ 33 4 93 51 9100  
☎ 33 4 93 52 9806

**Boriakoff Valentin**  
PL/GPS  
Philips Lab. Geophysics  
Hanscom AFB  
Bedford MA 01731 3010  
USA  
☎ 1 617 377 9666  
☎ 1 617 377 3160  
✉ boriakoff@amenra.  
plhaf.mil

**Borisova Jordanka**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
☎ 359 2 75 8927

**Borkowski Kazimierz M**  
Inst Radio Astronomy  
N Copernicus Univ  
Ul Gagarina 11  
PL 87 100 Torun  
Poland  
☎ 48 56 78 3327  
☎ 48 56 11 651  
✉ kb@astro.uni.torun.pl

**Bornmann Patricia L**  
NOAA ERL R/E/SE  
Space Environment Lab  
325 Broadway  
Boulder CO 80303  
USA  
☎ 1 303 497 3532

**Boroviccka Jiri**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7153  
☎ 420 2 88 1611  
✉ borovic@asu.cas.cz

**Borozdin Konstantin**  
Space Res Inst  
Profsoyuznaya 84/32  
Moscow 117810  
Russia  
☎ 7 095 333 4523  
☎ 7 095 333 5377  
✉ kbor@hea.iki.rssi.ru

**Borra Ermanno F**  
Dpt d Physique  
Universite Laval  
Ste Foy QC G1K 7P4  
Canada  
☎ 1 418 656 7405  
☎ 1 418 656 2040  
✉ borra@astro.phys.  
ulaval.ca

**Bos Albert**  
NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 521 59 5100  
☎ 31 52 159 7332

**Boschan Peter**  
Astronomisches Institut  
Univ Muenster  
Wilhelm Klemm Str 10  
D 48149 Muenster  
Germany  
☎ 49 251 833 561  
☎ 49 251 833 669  
✉ boschan@cygnus.uni-  
muenster.de

**Bosma Albert**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
☎ 33 4 91 62 1190

**Bosma Pieter B**  
Dpt Phys/Astronomy  
Free University  
De Boelelaan 1081  
NL 1081 HV Amsterdam  
Netherlands  
☎ 31 20 444 7957  
☎ 31 20 444 7899  
✉ bosma@nat.vu.nl

**Boss Alan P**  
Dpt Terrestre Magnetism  
Carnegie Inst Washington  
5241 Bd Branch Rd NW  
Washington DC 20015 1305  
USA  
☎ 1 202 684 4370  
☎ 1 202 364 8726  
✉ boss@ciw.ciw.edu

**Botez Elvira**  
Astronomical Observ  
Romanian Acad Sciences  
Ul Ciresilor 19  
RO 3400 Cluj Napoca  
Romania  
☎ 40 64 194 592  
☎ 40 64 19 2820  
✉ obsastr@mail.soroscj.ro

**Bottinelli Lucette**  
Observ Paris Meudon  
ARPEGES  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7604  
☎ 33 1 45 07 7971

**Boucher Claude**  
IGN ENSG LAREG  
6/8 Av Blaise Pascal  
F 77455 Marnes la Vallee Cdx 2  
France  
☎ 33 1 64 15 3250  
☎ 33 1 64 15 3253  
✉ boucher@ensg.ign.fr

**Bouchet Francois R**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8095  
☎ 33 1 44 32 8001  
✉ bouchet@iap.fr

**Bouchet Patrice**  
ESO  
La Silla Observ  
Casilla 19001  
Santiago 19  
Chile  
☎ 56 2 698 8757  
☎ 56 2 228 5132

**Bougard Mireille L**  
Observ Paris  
DANOF  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2226  
☎ 33 1 40 51 2291  
✉ bougard@hpv/bi.  
obsprm.fr

**Bougeret Jean-Louis**  
Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7704  
☎ 33 1 45 07 2806

**Bouigue Roger**  
14 Av V Hugo  
F 09500 Mirepoix  
France

**Boulanger Francois**  
DEMIRM  
ENS  
24 r Lhomond  
F 75231 Paris Cdx 05  
France  
☎ 33 1 43 29 1225  
① 33 1 40 51 2002

**Boulesteix Jacques**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
① 33 4 91 62 1190  
✉ boulesteix@obmara.  
cnrs-mrs.fr

**Boulon Jacques J**  
Observ Paris  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2253  
① 33 1 40 51 2232  
✉ boulon@obspm.fr

**Bouska Jiri**  
Astronomical Institute  
Charles Univ  
V Holesovickack 2  
CZ 180 00 Praha 8  
Czech R  
☎ 420 2 2191 2572  
① 420 2 688 5095  
✉ bouska@mbox.cesnet.cz

**Bouvier Jerome**  
Observ Grenoble  
Lab Astrophysique  
BP 53x  
F 38041 S Martin Heres Cdx  
France  
☎ 33 4 76 51 4790  
① 33 4 76 44 8821

**Bouvier Pierre**  
Observ Geneve  
Chemim d Maillettes 51  
CH 1290 Sauverny  
Switzerland  
☎ 41 22 755 2611  
① 41 22 755 3983

**Bowell Edward L G**  
Lowell Observ  
1400 W Mars Hill Rd  
Box 1149  
Flagstaff AZ 86001  
USA  
☎ 1 520 774 3358  
① 1 520 774 6296  
✉ ebowel@lowell.edu

**Bowen George H**  
Physics Dpt  
Iowa State Univ  
Ames IA 50011  
USA  
☎ 1 515 294 7659  
① 1 515 294 3262

**Bower Gary Allen**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 318 8285  
① 1 520 318 8360  
✉ gbower@noao.edu

**Bowers Phillip F**  
Lowell Observ  
1400 W Mars Hill Rd  
Box 1149  
Flagstaff AZ 86001  
USA  
✉ bowers@sextans.  
lowell.edu

**Bowyer C Stuart**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 510 642 1648  
① 1 510 643 8303  
✉ bowyer@ssl.berkeley.edu

**Boyarchuk Alexander A**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 951 0924  
① 7 095 230 2081  
✉ aboyar@inasan.rssi.ru

**Boyarchuk Margarita E**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
① 7 095 230 2081

**Boyce Peter B**  
AAS  
2000 Florida Av Nw  
Suite 400  
Washington DC 20009 1231  
USA  
☎ 1 202 328 2010  
① 1 202 234 2560  
✉ pboyce@aas.org

**Boyd Robert L F**  
41 Church St  
Littlehampton BN17 5PU  
UK

**Boydag-Yildizdogdu F S**  
KACST  
Box 2455  
Riyadh 11495  
Saudi Arabia  
☎ 966 1 467 6324  
① 966 1 467 4253

**Boyer Rene**  
Observ Paris Meudon  
DASOP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7741  
① 33 1 45 07 7959

**Boyle Brian**  
AAO  
Box 296  
Epping NSW 2121  
Australia  
☎ 61 2 868 1666  
① 61 2 9876 8536

**Boyle Richard P**  
Vatican Observ  
I 00120 Citta del Vaticano  
Vatican City State  
☎ 39 6 698 3411/5266  
① 39 6 698 84671

**Boyle Stephen**  
UCLO  
ULO  
Mill Hill Park  
London NW7 2QS  
UK  
☎ 44 181 959 0421  
① 44 181 388 1450  
✉ sjb@uk.ac.ucl.star

**Boynton Paul Edward**  
Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA  
☎ 1 425 543 2888  
① 1 425 685 0403

**Boytel Jorge Del Pino**  
CENAILS  
Calle 17 No 61 E4 y 6  
Santiago de Cuba  
Vista Alegre 90400  
Cuba  
☎ 53 226 41 623  
① 53 226 41 579  
✉ lasersat@cenai.inf.cu

**Bozic Hrvoje**  
Hvar Observ  
Fac Geodesy  
Kacicva 26  
HR 10000 Zagreb  
Croatia  
☎ 385 1 456 1222  
① 385 1 445 410  
✉ hrvoje.bozic@x400.  
srce.hr

**Bozis George**  
Dpt Th Mechanics  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 2845  
① 30 31 99 8211

**Bozkurt Sukru**  
Dpt Astron/Space Sci  
Ege Univ  
Box 21  
35100 Bornova Izmir  
Turkey  
☎ 90 232 388 0110\*2322

**Braccesi Alessandro**  
Dpt Astronomia  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 301  
① 39 51 259 407

**Bracewell Ronald N**  
Stanford Univ  
Durand 329 A  
Stanford CA 94305  
USA  
☎ 1 415 497 3545  
① 1 415 723 4840

**Bradley Arthur J**  
Box 91  
Annapolis Junct MD 20701  
USA  
☎ 1 301 901 6052  
① 1 301 901 6086  
✉ Bradley.Art@lmmail.hst.  
nasa.gov

**Bradstreet David H**  
Dpt Physical Sci  
Eastern College  
St Davids PA 19087  
USA  
☎ 1 215 341 5945

**Braes L L E**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 2727  
① 31 71 527 5819

**Braga Joao**  
INPE  
Dpt Astronomia  
CP 515  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 123 41 8977\*679  
① 55 123 21 8743  
✉ inpedas@brfapesr

**Braga da Costa Campos L M**  
Inst Superior Tecnico  
Compl Interdisciplinar  
Av Rovisco Pais  
P 1096 Lisboa Codex  
Portugal  
☎ 351 1 3524 303  
① 351 1 3524 372

**Bratde Rolf**  
Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway  
☎ 47 22 856 508  
① 47 22 85 6505



**Brabic Andre**

Observ Paris Meudon  
DAEC  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7402  
① 33 1 45 07 7971

**Brajsa Roman**

Hvar Observ  
Fac Geodesy  
Kacicewa 26  
HR 10000 Zagreb  
Croatia  
☎ 385 1 456 1222  
① 385 1 445 410  
✉ romanb@geodet.geof.hr

**Branch David R**

Dpt Phys/Astronomy  
Univ of Oklahoma  
Norman OK 73019  
USA  
☎ 1 405 325 3961  
① 1 405 325 7557

**Brand Jan**

Istt Radioastronomia  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9372  
① 39 51 639 9431  
✉ brand@astbo1.bo.cnr.it

**Brand Peter W J 1**

Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 667 3321  
① 44 131 668 8356

**Brandenburg Axel**

School Maths/Statistics  
Univ of Newcastle  
Newcastle/Tyne NE1 7RU  
UK  
☎ 44 191 222 7411  
① 44 191 261 1182  
✉ Axel.Brandenburg@  
Newcastle.ac.uk

**Brandi Elisande Estela**

Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
① 54 21 211 761

**Brandie George W**

Environmental Eng  
Queen's Univ  
Kingston ON K7L 3N6  
Canada

**Brandt John C**

LASP  
Univ of Colorado  
Campus Box 392  
Boulder CO 80309 0392  
USA  
☎ 1 303 492 3215  
① 1 303 492 6946  
✉ jbrandt@lyrae.colorado.edu

**Brandt Peter N**

Kiepenheuer Inst  
Sonnenphysik  
Schoeneckstr 6  
D 79104 Freiburg Breisgau  
Germany  
☎ 49 761 319 8250  
① 49 761 319 8111  
✉ pnb@kis.uni-freiburg.de

**Branduardi-Raymont G**

Mullard Space Science Lab  
Univ College London  
Holmbury St Mary  
Dorking Surrey RH5 6NT  
UK  
☎ 44 13 06 702 92  
① 44 14 83 278 312

**Branham Richard L**

Centro Regional Invest  
Cientifica/Technologicas  
CC 131  
5500 Mendoza  
Argentina  
☎ 54 61 288 314  
① 54 61 520 005  
✉ rib@ianet.com.ar

**Branscomb L M**

NBS  
Washington DC 20025  
USA

**Branson Nicholas J B A**

University Registry  
The Old Schools  
Cambridge CB2 1TN  
UK  
☎ 44 12 23 33 2250  
① 44 12 23 33 2332

**Bratjchuk Matriona V**

Satelite Observ  
Uzhgorod State Univ  
Horkiy 46  
294000 Uzhgorod  
Ukraine  
☎ 380 3122 36065  
① 380 3122 36136

**Braude Semion Ya Ag**

Inst Radio Astron  
Ukrainian Acad Science  
4 Chervonopraporna st  
310002 Kharkiv  
Ukraine  
☎ 380 5724 41092

**Brault James W**

1006 Hineysuckle Lane  
Louisville CO 80027  
USA  
✉ brault@noao.edu

**Braun Arie**

Racah Inst of Phys  
Hebrew Univ Jerusalem  
Jerusalem 91904  
Israel  
☎ 972 2 58 4521  
① 972 2 61 1519

**Braun Douglas Clifford**

HAO  
NCAR  
Box 3000  
Boulder CO 80307 3000  
USA  
☎ 1 303 497 2558  
① 1 303 497 1589  
✉ dbraun@solar.stanford.edu

**Braun Robert**

NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 521 59 5100  
① 31 52 159 7332  
✉ rbraun@nfra.nl

**Brauninger Heinrich**

MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 566  
① 49 893 299 3569

**Braunsfurth Edward**

Im Haarmannsboch 99 A  
D 46300 Bochum 1  
Germany

**Bravo Eduardo**

Dpt Fisica y Eng Nuclear  
Uni Politecnica Catalunya  
Av Diagonal 647  
E 08028 Barcelona  
Spain  
☎ 34 3 401 6565  
① 34 3 401 6600  
✉ bravo@fen.upc.es

**Bray Robert J**

31/126 Crimea Rd  
MarSField NSW 2122  
Australia

**Braehna Iulian**

Astronomical Observ  
Allea Sadoveanu 5  
RO 6600 Iasi  
Rumania  
☎ 40 32 140 305

**Breakiron Lee Allen**

USNO  
Time Service Directte  
3450 Massachusetts Av NW  
Washington DC 20392 5420  
USA  
☎ 1 202 762 1092  
① 1 202 762 1511  
✉ lab@tycho.usno.  
navy.mil

**Brecher Aviva**

35 Madison St  
Belmont MA 02178  
USA  
☎ 1 617 489 1386

**Brecher Kenneth**

Astronomy Dpt  
Boston Univ  
725 Commonwealth Av  
Boston MA 02215  
USA  
☎ 1 617 353 3423  
① 1 617 353 5704  
✉ brecher@bu.edu

**Breckinridge James B**

CALTECH/JPL  
MS 183 301  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 213 354 6785  
① 1 818 393 6030

**Breger Michel**

Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 345 3605  
① 43 1 470 6015  
✉ breger@procyon.ast.  
univie.ac.at

**Bregman Jacob D Jr**

NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 521 59 5100  
① 31 52 159 7332

**Bregman Joel N**

Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 764 3440  
① 1 313 764 2211  
✉ jbregman@astro.lsa.  
umich.edu

**Breinhorst Robert A**

Astronomisches Institut  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany  
☎ 49 228 73 3660  
① 49 228 73 3672

**Breitschwerdt Dieter**

MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 3221  
① 49 893 299 3569  
✉ breitsch@rosat.mpe-  
garching.mpg.de

**Brejdo Izabella I**

Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 297 9459  
① 7 812 315 1701

**Brekke Pal Ording lie**  
Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway  
☎ 47 22 856 508  
① 47 22 856 505  
✉ paalb@astro.uio.no

**Breslin Ann**  
Experim Physics Dpt  
Univ College  
Belfield  
Dublin 4  
Ireland  
☎ 353 1 706 2230/706 2213  
① 353 1 2837 275  
✉ acb@ferdia.ucd.ie

**Bretagnon Pierre**  
BDL  
77 Av Denfert Rochereau  
F 75014 Paris  
France  
☎ 33 1 40 51 2269  
① 33 1 46 33 2834  
✉ pierre@bdl.fr

**Breysacher Jacques**  
ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6224  
① 49 893 202 362

**Bridgeland Michael**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
① 44 12 23 337 523

**Bridle Alan H**  
NRAO  
520 Edgemont Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 296 0375

**Brieva Eduardo**  
Observ Astronomico Ncl  
Apdo 2584  
Bogota 1 DE  
Columbia  
☎ 57 1 342 3786  
① 57 1 342 3786

**Briggs Franklin**  
Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
① 31 50 363 6100  
✉ fbriggs@astro.rug.nl

**Brini Domenico**  
Istt d Fisica  
Univ d Bologna  
Via Irnerio 46  
I 40126 Bologna  
Italy  
☎ 39 51 232 856

**Brinkman Bert C**  
SRON  
Postbus 800  
Sorbonnelaan 2  
NL 3584 CA Utrecht  
Netherlands  
☎ 31 30 253 5500  
① 31 30 254 0860

**Brinkmann Wolfgang**  
MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 877  
① 49 893 299 3569

**Brinks Elias**  
Dpt Astronomia  
Univ Guanajuato  
Apdo 144  
Guanajuato GTO 36000  
Mexico  
☎ 52 4 732 9548  
① 52 4 732 0253  
✉ ebrinks@astro.ugto.mx

**Briot Danielle**  
Observ Paris  
DASGAL  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2239  
① 33 1 44 54 1804

**Broadfoot A Lyle**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 4301  
① 1 520 621 4933

**Brocato Enzo**  
Osserv Astron Collurani  
Teramo  
Viale Maggini  
I 64100 Teramo  
Italy  
☎ 39 861 21 0490  
① 39 86 121 0492

**Broderick John**  
Physics Dpt  
Virginia Tech  
Blacksburg VA 24061  
USA  
☎ 1 703 231 5321

**Brodie Jean P**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 459 2987  
① 1 831 426 3115  
✉ brodie@lick.ucsc.edu

**Brogia Pietro**  
Osserv Astronomico  
d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy  
☎ 39 990 6412  
① 39 990 8492

**Bromage Gordon E**  
Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 821 900  
① 44 12 35 44 5808

**Bronfman Leonardo**  
Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 228 1941  
① 56 2 229 4002

**Bronnikova Nina M**  
Pulkovo Observ  
Acad Sciences  
10 Kunuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 1234 285  
① 7 812 123 1922

**Brookes Clive J**  
Mathematics Dpt  
Earth/satellite Res Unit  
Aston Univ  
Birmingham B4 7ET  
UK  
☎ 44 12 13 59 3611

**Brooks Randall C**  
Physics Sciences  
NRCC  
Box 9724  
Ottawa ON K1G 5A3  
Canada  
☎ 1 613 990 2804  
① 1 613 991 3636  
✉ RBrooks@nmstc.ca

**Brosch Noah**  
Wise Observ  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 640 7413  
① 972 3 640 8179  
✉ noah@wise1.tau.ac.il

**Brosche Peter**  
Observatorium Hoher List  
Univ Sternwarte Bonn  
D 54550 Daun  
Germany  
☎ 49 65 92 2150  
① 49 65 92 2937  
✉ pbrosche@astro.uni-bonn.de

**Brosius Jeffrey William**  
NASA GSFC  
Code 682 1  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6200  
① 1 301 286 1617

**Brosterhus Elmer B F**  
Lockheed City  
Box 6308  
Jeddah  
Saudi Arabia  
☎ 966 2 656 2501\*355  
① 966 2 611519

**Brotten Norman W**  
48 Pineglen Crescent  
Nepean ON K2E 6X9  
Canada  
✉ brotten@hiasras.hia.nrc.ca

**Broucke Roger**  
7203 Running Rope Circle  
Austin TX 78731  
USA  
☎ 1 512 345 6435

**Brouillet Nathalie**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
① 33 5 56 40 4251  
✉ nathalie@observ.u-bordeaux.fr

**Brouw W N**  
CSIRO  
ATNF  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 9372 4316  
① 61 2 9372 4310  
✉ wbrouw@atnf.csiro.au

**Brown Alexander**  
CASA  
Univ of Colorado  
Campus Box 389  
Boulder CO 80309 0389  
USA  
☎ 1 303 492 7810  
① 1 303 492 7178  
✉ ab@echidna.colorado.edu

**Brown Douglas Nason**  
Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA  
☎ 1 425 543 4313\*2888  
① 1 425 685 0403

**Brown John C**  
Dpt Phys/Astronomy  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855  
① 44 141 334 9029

**Brown Paul James Frank**  
Physics Dpt  
Queen's Univ  
Belfast BT7 1NN  
UK  
☎ 44 12 32 273 648  
① 44 12 32 438 918  
✉ p.brown@qub.ac.uk

**Brown Robert Hamilton**  
CALTECH/JPL  
MS 183 501  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 2517  
① 1 818 393 6030

**Brown Robert L**  
NRAO  
520 Edgemont Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 296 0222  
① 1 804 296 0385  
✉ rbrown@nrao.edu

**Brown Ronald D**  
Chemistry Dpt  
Monash Univ  
Wellington Rd  
Clayton VIC 3168  
Australia  
☎ 61 3 565 4550  
① 61 3 565 4597  
✉ rdbrown@vaxc.cc.  
monash.edu.au

**Browne Ian W A**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
① 44 147 757 1618

**Browning Philippa**  
Dpt Pure/Appl Physics  
UMIST  
Box 88  
Manchester M60 1QD  
UK  
☎ 44 161 200 3677  
① 44 161 200 3669  
✉ mccppb@uk.ac.  
umrcc.cms

**Brownlee Donald E**  
Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA  
☎ 1 425 543 2888  
① 1 425 685 0403  
✉ brownlee@astro.  
washington.edu

**Brownlee Robert R**  
4879 Franklin Av  
Loveland CO 80538  
USA  
☎ 1 970 663 0646  
① 1 970 663 0647  
✉ rrb2@IX.netcom.com

**Brucato Robert J**  
CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 356 4035  
① 1 818 568 1517

**Bruch Albert**  
Astronomisches Institut  
Univ Muenster  
Wilhelm Klemm Str 10  
D 48149 Muenster  
Germany  
☎ 49 251 833 561  
① 49 251 833 669  
✉ alber@cycgnus@uni-  
muenster.de

**Bruck Hermann A**  
Craigower  
Penicuik EH26 9LA  
UK  
☎ 44 196 87 5918

**Bruck Mary T**  
Craigower  
Penicuik  
Midlottieg EH26 9LA  
UK  
☎ 44 196 867 5918

**Brueckner Guenter E**  
NRL  
Code 7660  
4555 Overlook Av SW  
Washington DC 20375 5352  
USA  
☎ 1 202 767 3287  
① 1 202 767 5636

**Bruenn Stephen W**  
Physics Dpt  
Florida Atlantic Univ  
Boca Raton FL 33431 0991  
USA  
☎ 1 561 367 3385  
① 1 561 367 2662  
✉ bruenn@acc.fau.edu

**Brugel Edward W**  
CASA  
Univ of Colorado  
Campus Box 389  
Boulder CO 80309 0391  
USA  
☎ 1 303 492 4054  
① 1 303 492 5941  
✉ brugel@cycgnus.  
colorado.edu

**Bruhweiler Fred C**  
Catholic Univ of America  
Astrophysics Program  
Physics Dpt  
Washington DC 20064  
USA  
☎ 1 202 319 5315  
① 1 202 319 4448  
✉ bruhweiler@cua.edu

**Brumberg Victor A**  
Inst Appl Astronomy  
Acad Sciences  
Zhdanovskaya Ul 8  
197042 St Petersburg  
Russia  
☎ 7 812 230 7414  
① 7 812 230 7413  
✉ brumberg@ipa.rssi.ru

**Bruner Marilyn E**  
Lockheed Palo Alto Res Lb  
Dpt 91 30 Bg 256  
3251 Hanover St  
Palo Alto CA 94304 1191  
USA  
☎ 1 415 424 3273  
① 1 415 424 3994

**Brunet Jean-Pierre**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
① 33 5 61 27 3179

**Bruning David H**  
Stellar Res/Edu  
Box 1223  
Waukesha WI 53187  
USA  
✉ dhbrun01@ulkyvix

**Brunini Adrian**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
① 55 11 276 3848

**Brunk William E**  
NASA Headquarters  
Code SI off Space Science  
400 Maryland Av SW  
Washington DC 20546  
USA  
☎ 1 202 453 1596

**Bruns Andrey V**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71119  
① 380 6554 40704  
✉ bruns@crao.crimea.ua

**Bruston Paul**  
EPCOS/LPCE  
Univ Paris Val de Marne  
Av GI de Gaulle  
F 94010 Creteil Cedex  
France  
☎ 33 1 42 07 1285  
① 33 1 42 07 7012

**Bruzek Anton**  
Schwaighofstr 7  
D 79104 Freiburg Breisgau  
Germany  
☎ 49 761 785 22  
① 49 761 3198 111

**Bruzual Gustavo**  
CIDA  
Box 264  
Merida 5101 A  
Venezuela  
☎ 58 7 471 2780/3883  
① 58 7 471 2459  
✉ gbruzual@cide.ve

**Bryant John**  
47 Av Felix Faure  
F 75015 Paris  
France  
☎ 33 1 45 57 7647

**Bryce Myfanwy**  
Astronomy Dpt  
Univ Manchester  
Oxford Rd  
Manchester M13 9PL  
UK  
☎ 44 161 275 4226  
① 44 161 275 4223  
✉ mbryce@uk.ac.man.ast

**Brzezinski Aleksander**  
Space Res Ctr  
Polish Acad Sci  
Ul Bartycka 18 A  
PL 00 716 Warsaw  
Poland  
☎ 48 22 40 3766  
① 48 22 36 8961  
✉ alek@cbk.waw.pl

**Bucciarelli Beatrice**  
Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese TO  
Italy  
☎ 39 11 461 9024  
① 39 11 461 9030  
✉ bucc@to.astro.it

**Buchler J Robert**  
Physics Dpt  
Univ of Florida  
Williamson 220A  
Gainesville FL 32611 8440  
USA  
☎ 1 904 392 0507  
① 1 352 392 5339  
✉ buchler@phys.ufl.edu

**Buckley David**  
SAAO  
PO Box 9  
7935 Observatory  
South Africa  
☎ 27 21 47 0025  
① 27 21 47 3639  
✉ dibnob@sao.ac.za

**Budding Edwin**  
Carter Observ  
Ntl Observ New Zealand  
Box 2909  
Wellington 1  
New Zealand  
☎ 64 4 472 8167  
① 64 4 472 8320  
✉ budding@matui.vuw.  
ac.nz

**Buecher Alain**  
Residence Renoir  
14 passage d Allies  
F 64000 Pau  
France  
☎ 33 5 59 02 0940

**Buechner Joerg**

MPI Extraterrestisch  
Auss Berlin Geb 1616/1625  
Rudower Chaussee 5  
D 12489 Berlin Adlershof  
Germany  
☎ 49 306 392 3937  
☎ 49 306 392 3937  
✉ jb@mpe.fra-berlin.de

**Bues Irmela D**

Dr Remeis Sternwarte  
Univ Erlangen-Nuernberg  
Sternwartstr 7  
D 96049 Bamberg  
Germany  
☎ 49 951 577 08  
☎ 49 951 952 2222  
✉ bues@sternwarte.uni-erlangen.de

**Buff James S**

Dpt Phys/Astronomy  
Dartmouth College  
6127 Wilder Lab  
Hanover NH 03755  
USA  
☎ 1 603 646 2359  
☎ 1 603 646 1446

**Buhl David**

NASA GSFC  
Code 693  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8810

**Buie Marc W**

Lowell Observ  
1400 W Mars Hill Rd  
Box 1149  
Flagstaff AZ 86001  
USA  
☎ 1 602 774 3358  
☎ 1 602 774 6296  
✉ buie@lowell.edu

**Buitrago Jesus**

IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Bujarrabal Valentin**

Ctr Astron d Yebes  
OAN  
Apt 148  
E 19080 Guadalajara  
Spain  
☎ 34 1 122 3358  
☎ 34 1 129 0063

**Bumba Vaclav**

Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7157  
☎ 420 2 88 1611  
✉ bumba@asu.cas.cz

**Bunclark Peter Stephen**

Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 33 7548  
☎ 44 12 23 337 523  
✉ psb@ast.cam.ac.uk

**Bunner Alan N**

Perkin Elmer Corp  
MS 897  
100 Wooster Heights Rd  
Danbury CT 06810 7859  
USA  
☎ 1 203 797 6339

**Buonanno Roberto**

OAR  
Via d Parco Mellini 84  
I 00136 Roma  
Italy  
☎ 39 6 34 7056  
☎ 39 6 349 8236

**Buratti Bonnie J**

CALTECH/JPL  
MS 183 501  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 7427  
☎ 1 818 393 6030

**Burbidge Eleanor Margaret**

CASS  
UCSD  
C 011  
La Jolla CA 92093 0216  
USA  
☎ 1 619 452 4477  
☎ 1 619 534 2294

**Burbidge Geoffrey R**

CASS  
UCSD  
C 011  
La Jolla CA 92093 0216  
USA  
☎ 1 619 452 6626  
☎ 1 619 534 2294

**Burdyzha Vladimir V**

Space Res Inst  
Acad Sciences  
Profsojuznaya Ul 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 3366  
☎ 7 095 310 7023  
✉ burdyzvh@dpc.asc.rssi.ru

**Burger Marijke**

Koninklijke Sterrenwacht  
van Belgie  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0240  
☎ 32 2 374 9822  
✉ marijke.burger@oma.be

**Burgess Alan**

Dpt Appl Maths/Theor Phys  
Silver Street  
Cambridge CB3 9EW  
UK  
☎ 44 12 23 337 000  
☎ 44 12 23 337 918

**Burgess David D**

Astrophysics Gr  
Imperial Coll  
Prince Consort Rd  
London SW7 2BZ  
UK  
☎ 44 171 594 7771  
☎ 44 171 594 7772

**Burke Bernard F**

Physics Dpt  
MIT Rm 26 335  
Box 165  
Cambridge MA 02139 4307  
USA  
☎ 1 617 253 2572  
☎ 1 617 253 9798

**Burke J Anthony**

Physics Dpt  
Univ of Victoria  
Box 1700  
Victoria BC V8W 2Y2  
Canada  
☎ 1 250 721 7743  
☎ 1 250 721 7715

**Burkhart Claude**

Observ Lyon  
Av Ch Andre  
F 69561 S Genis Laval cdx  
France  
☎ 33 4 78 86 8383  
☎ 33 4 78 86 8386  
✉ burkhart@obs.univ-lyon1.fr

**Burkhead Martin S**

Astronomy Dpt  
Indiana Univ  
Swain W 319  
Bloomington IN 47405  
USA  
☎ 1 812 335 6917  
☎ 1 812 855 8725

**Burki Gilbert**

Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauvigny  
Switzerland  
☎ 41 22 755 2611  
☎ 41 22 755 3983  
✉ gilbert.burki@obs.unige.ch

**Burlaga Leonard F**

NASA GSFC  
Code 692  
Greenbelt MD 20771  
USA  
☎ 1 301 286 3271

**Burnage Robert**

OHP  
F 04870 S Michel Obs  
France  
☎ 33 4 92 76 6368  
☎ 33 4 92 76 6295  
✉ burnage@obshpx.obs-hp.fr

**Burns Joseph A**

Astronomy Dpt  
Cornell Univ  
512 Space Sc Bldg  
Ithaca NY 14853 6801  
USA  
☎ 1 607 255 7186  
☎ 1 607 255 6354  
✉ jab16@cornell.edu

**Burns Jack O'Neal**

Univ of Missouri Columbia  
Office of Research  
205 Jesse Hall  
Columbia MO 65211  
USA  
☎ 1 573 882 9500  
☎ 1 573 884 8371  
✉ burns@research.missouri.edu

**Burrows Adam Seth**

Dpt Phys/Astronomy  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 4359  
☎ 1 520 621 4933  
✉ burrow@ccir.arizona.edu

**Burrows David Nelson**

Astronomy Dpt  
Pennsylvania State Univ  
525 Davey Lab  
University Park PA 16802  
USA  
☎ 1 814 863 2466  
☎ 1 814 863 3399  
✉ burrows@astro.psu.edu

**Burs Lucian**

Astronomical Observ  
P Ta Axente Sever 1  
RO 1900 Timisoara  
Romania  
☎ 40 56 162 838

**Bursa Milan**

Astronomical Institute  
Czech Acad Sci  
Bozni II 1401  
CZ 141 31 Praha 4  
Czech R  
☎ 420 2 67 10 3060  
☎ 420 2 76 90 23  
✉ astdss@csearn

**Burstein David**

Physics Dpt  
Arizona State Univ  
Astronomy Program  
Tempe AZ 85297 1504  
USA  
☎ 1 602 965 3561  
☎ 1 605 965 7954

**Burton Michael G**

School of Physics  
UNSW  
Sydney NSW 2025  
Australia  
☎ 61 2 9385 5618  
☎ 61 2 660 2903  
✉ mgb@newt.phys.unsw.edu.au

**Burton W Butler**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5832  
☎ 31 71 527 5819  
✉ burton@strw.leidenuniv.nl

**Burton William M**  
Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 821 900  
☎ 44 12 35 445 808

**Buscombe William**  
1231 Asbury Av  
Evanston IL 60202 1101  
USA  
☎ 1 708 491 9982

**Buser Roland**  
Astronomisches Institut  
Univ Bern  
Venusstr 7  
CH 4102 Binningen  
Switzerland  
☎ 41 61 271 7711/12  
☎ 41 61 205 5455  
✉ buserl@ubaclu.unibas.ch

**Busko Ivo C**  
STScI/SSC  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4700  
☎ 1 301 338 4767  
✉ busko@stsci.edu

**Buson Lucio M**  
Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
☎ 39 49 875 9840  
✉ buson@astrpd.infn.it

**Busso Maurizio**  
Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9000  
☎ 39 11 461 9030

**Buta Ronald J**  
Dpt Phys/Astronomy  
Univ of Alabama  
Box 870324  
Tuscaloosa AL 35487 0324  
USA  
☎ 1 205 348 3792  
☎ 1 205 348 5051  
✉ buta@sarah.astr.ua.edu

**Butcher Harvey R**  
NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 521 59 5100  
☎ 31 52 159 7332  
✉ Butcher@nfra.nl

**Butchins Sydney Adair**  
Dpt Civil Aviation Stu  
Fac of Maths  
The Minories  
Tower Hill EC3N 1JY  
UK  
☎ 44 171 722 7344

**Buti Binla**  
CALTECH/JPL  
MS 169 506  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 8366  
☎ 1 818 354 8895  
✉ bbuti@jplsp.jpl.nasa.gov

**Butler C John**  
Armagh Observ  
College Hill  
Armagh BT61 9DG  
UK  
☎ 44 18 61 522 928  
☎ 44 18 61 527 174

**Butler Dennis**  
Astronomy Dpt  
Yale Univ  
Box 208101  
New Haven CT 06520 8101  
USA  
☎ 1 203 432 3000  
☎ 1 203 432 5048

**Butler Keith**  
Inst Astron/Astrophysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 890 21  
☎ 49 899 220 9427

**Butterworth Paul**  
NASA/GSFC  
Code 664  
Greenbelt MD 20771  
USA  
☎ 1 301 286 3995  
☎ 1 301 286 1629

**Buyukliev Georgi**  
Ntl Astronomical Obs  
Bulgarian Acad Sci  
Box 136  
BG 4700 Smoljan  
Bulgaria  
☎ 359 7 341 599

**Buzzoni Alberto**  
Osserv Astronomico  
d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy  
☎ 39 990 6412  
☎ 39 990 8492  
✉ buzzoni@merate.mi.astro.it

**Byard Paul L**  
Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 292 9532  
☎ 1 614 292 2928  
✉ byard@payne.mps.ohio-state.edu

**Bykov Mikle F**  
Astronomical Institute  
Uzbek Acad Sci  
Astronomicheskaya Ul 33  
700000 Tashkent  
Uzbekistan  
☎ 7 3712 35 8102

**Byrd Gene G**  
Dpt Phys/Astronomy  
Univ of Alabama  
Box 1921  
University AL 35487 0324  
USA  
☎ 1 205 348 5050  
☎ 1 205 348 5051

**Bystrova Natalija V**  
SAO/St Petersburg Br  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4038/4372  
☎ 7 812 315 1701  
✉ bnv@sai.sob.su

**Bzowski Maciej**  
Space Res Ctr  
Polish Acad Sci  
Ul Bartycka 18A  
PL 00 716 Warsaw  
Poland  
☎ 48 22 40 3766  
☎ 48 22 36 8961  
✉ bzowski@cbk.waw.pl

## C

**Cabrita Ezequiel**  
OAL  
Tapada d Ajuda  
P 1300 Lisboa  
Portugal  
☎ 351 1 363 7351  
☎ 351 1 362 1722

**Cacciani Alessandro**  
Dpt Fisica  
Univ d Roma  
Pl A Moro 2  
I 00185 Roma  
Italy  
☎ 39 6 49 76265  
☎ 39 6 202 3507

**Cacciari Carla**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 5096  
☎ 1 301 338 4767  
✉ cacciari@stsci.edu

**Caecin Bruno**  
Dpt Fisica  
Via Raimondo Snc  
Univ Tor-Vergata  
I 00173 Roma  
Italy  
☎ 39 6 79 79 2323  
☎ 39 6 202 3507

**Cadez Andrej**  
Physics Dpt  
Univ E Kardelj  
Jadranska 19  
Ljubljana  
Slovenia  
☎ 386 61 265 061  
☎ 386 61 217 281  
✉ andrej.cadez@uni-lj.ac.mail.yu

**Cadez Vladimir**  
Inst of Physics  
Box 57  
11001 Beograd  
Yugoslavia FR  
☎ 381 11 107 107  
☎ 381 11 108198

**Cahn Julius H**  
Astronomy Dpt  
Tesuque NM 87574  
USA  
☎ 1 505 983 0691

**Caillault Jean Pierre**  
Dpt Phys/Astronomy  
Univ of Georgia  
Athens GA 30602 2451  
USA  
☎ 1 706 542 2883  
☎ 1 706 542 2492  
✉ jpc@jove.physast.uga.edu

**Calamai Giovanni**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52310  
☎ 39 55 220 039  
✉ vanni@arcetri.astro.it

**Calame Odile**  
OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 36 5849  
☎ 33 4 93 40 5353

**Caldwell John A R**  
SAAO  
PO Box 9  
7935 Observatory  
South Africa  
☎ 27 21 47 0025  
☎ 27 21 47 3639  
✉ jac@sao.ac.za

**Caldwell John James**  
Physics Dpt  
York Univ  
4700 Keele St  
North York ON M3J 1P3  
Canada  
☎ 1 416 736 2100  
☎ 1 416 736 5386

**Callanan Paul**  
Physics Dpt  
Univ College Cork  
Cork  
Ireland

**Callebaut Dirk K**  
Physics Dpt  
Univ Instelling Antwerpen  
Universiteitsplein 1  
B 2610 Wilrijk  
Belgium  
☎ 32 3 820 2457  
☎ 32 3 820 2245  
✉ calldirk@uia.ua.ac.be

**Cally Paul S**  
Mathematics Dpt  
Monash Univ  
Wellington Rd  
Clayton VIC 3168  
Australia  
☎ 61 3 565 4471  
✉ apm150f@vaxc.cc.monash.edu.au

**Caloi Vittoria**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
☎ 39 6 2066 0188

**Calvani Massimo**  
Dpt Astronomia  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3431  
☎ 39 49 875 9840  
✉ calvani@pd.astro.it

**Calvet Nuria**  
CIDA  
Box 264  
Merida 5101 A  
Venezuela  
☎ 58 7 471 2780/3883  
☎ 58 7 471 2459

**Calvin William H**  
Physics Dpt  
Univ of Washington  
Box 351800  
Seattle WA 98195 1580  
USA  
☎ 1 425 328 1192  
☎ 1 425 720 1989  
✉ wcalvin@u.washington.edu

**Calvo Manuel**  
Dpt Astronomia  
Univ Zaragoza  
E 50009 Zaragoza  
Spain  
☎ 34 7 676 1000  
☎ 34 7 676 1140

**Calzetti Daniela**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4518  
☎ 1 301 338 4767  
✉ calzetti@stsci.edu

**Camarena Badia Vicente**  
Dpt Mat Aplicada  
Univ Zaragoza  
E 50009 Zaragoza  
Spain  
☎ 34 7 676 1000  
☎ 34 7 676 1140

**Camenzind Max**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9262  
☎ 49 622 150 9202  
✉ M.Camenzind@lsw.uni-heidelberg.de

**Cameron Alastair G W**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 5374  
☎ 1 617 495 7356  
✉ cameron@cfa.harvard.edu

**Cameron Andrew Collier**  
School of Physics/Astro  
Univ of St Andrews  
North Haugh  
St Andrews Fife KY16 9SS  
UK  
☎ 44 1334 76161  
☎ 44 1334 74487  
✉ Andrew.Cameron@st-and.ac.uk

**Cameron Luzius Martin**  
Astronomisches Institut  
Univ Basel  
Venusstr 7  
CH 4102 Binningen  
Switzerland  
☎ 41 61 271 7711/12  
☎ 41 61 205 5455

**Cameron Winifred S**  
La Ranchita de La Luna Bg 26  
200 Rojo Dr  
Sedona AZ 86336  
USA

**Camichel Henri**  
24 Av C Flammarion  
F 31500 Toulouse  
France  
☎ 33 5 61 48 9691  
☎ 33 5 56 40 4251

**Campbell Alison**  
Dpt Phys/Astronomy  
JHU  
Charles/34th St  
Baltimore MD 21218  
USA  
☎ 1 301 338 5186  
☎ 1 301 338 8260

**Campbell Belva G S**  
Dpt Phys/Astronomy  
Univ New Mexico  
800 Yale Blvd Ne  
Albuquerque NM 87131  
USA  
☎ 1 505 277 5148

**Campbell Donald B**  
Astronomy Dpt  
Cornell Univ  
512 Space Sc Bldg  
Ithaca NY 14853 6801  
USA  
☎ 1 607 255 5274  
☎ 1 607 255 1767

**Campbell James W**  
Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 667 3321  
☎ 44 131 668 8356

**Campbell Murray F**  
Physics/Astronomy Dpt  
Colby College  
Waterville ME 04901  
USA  
☎ 1 207 872 3251  
☎ 1 207 872 3255  
✉ mfcampbe@colby.edu

**Campins Humberto**  
Astronomy Dpt  
Univ of Florida  
211 SSRB  
Gainesville FL 32611  
USA  
☎ 1 904 392 3066  
☎ 1 904 392 5089  
✉ campins@astro.ufl.edu

**Campos Ana**  
Observ Astronomico  
Nacional  
Apt i143  
E 28800 Alcalá de Henares  
Spain  
☎ 34 1 885 5060  
☎ 34 1 885 5062  
✉ ana@oan.es

**Campusano Luis E**  
Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101  
☎ 56 2 229 4002

**Canal Ramon M**  
Dpt Fisica Atmosfera  
Univ Barcelona  
Avd Diagonal 645  
E 08028 Barcelona  
Spain  
☎ 34 3 402 1125  
☎ 34 3 402 1133

**Canalle Joao B G**  
Instituto Fisica  
Univ Estado R de Janeiro  
RS Francisco Xavier 534/3002D  
20550 013 Rio de Janeiro  
Brazil  
☎ 55 21 587 7447  
☎ 55 21 587 7447  
✉ canalle@vmesa.uerj.br

**Cane Hilary Vivien**  
Physics Dpt  
Univ Tasmania  
GPO Box 252c  
Hobart TAS 7001  
Australia  
☎ 61 2 202 401  
☎ 61 2 202 186  
✉ hilary.cane@phys.  
utas.edu.au

**Canfield Richard C**  
Physics Dpt  
Montana State Univ  
Bozeman MT 59717 0350  
USA  
☎ 1 406 994 6874  
☎ 1 406 994 4452

**Canizares Claude R**  
Ctr for Space Res  
MIT Rm 37 241  
Box 165  
Cambridge MA 02139 4307  
USA  
☎ 1 617 253 7480  
☎ 1 617 253 0861  
✉ brendap@space.mit.edu

**Cannon Russell D**  
AAO  
Box 296  
Epping NSW 2121  
Australia  
☎ 61 2 868 1666  
☎ 61 2 9876 8536

**Cannon Wayne H**  
Dpt Phys/Earth/Atm Sci  
York Univ  
4700 Keele St  
Downsview ON M3J 1P3  
Canada  
☎ 1 416 667 6410

**Canto Jorge**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653

**Cantu Alberto M**  
Istt Cibern/Biofisica  
CNR  
I 16032 Camogli  
Italy  
☎ 39 18 577 0646

**Cao Changxin**  
Nanjing Astronomical  
Instrument Factory  
Box 846  
Nanjing  
China PR  
☎ 86 25 46191  
☎ 86 25 71 1256

**Cao Lihong**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
☎ 86 25 301 459

**Cao Shenglin**  
Astronomy Dpt  
Beijing Normal Univ  
Beijing 100875  
China PR  
☎ 86 1 201 2255  
☎ 86 1 201 3929

**Cao Xinwu**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191\*42  
☎ 86 21 6438 4618  
✉ cxw@center.shao.ac.cn

**Capaccioli Massimo**  
Dpt Astronomia  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
☎ 39 49 875 9840

**Capaccioni Fabrizio**  
IAS  
Rep Planetologia  
Via d universita 11  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
☎ 39 6 2066 0188  
✉ fabrizio@saturn.ias.  
fra.cnr.it

**Capelato Hugo Vicente**  
INPE  
Dpt Astronomia  
CP 515  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 123 22 9977  
☎ 55 123 21 8743

**Capen Charles F**  
Solis Lacus Observ  
RT 2  
Box 262 E  
Cuba MO 65453  
USA

**Capitaine Nicole**  
Observ Paris  
DANOF  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2231  
☎ 33 1 40 51 2291  
✉ capitaine@obspm.fr

**Caplan James**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
☎ 33 4 91 62 1190  
✉ caplan@obmra.cnrsm.  
mrs.fr

**Cappa de Nicolau Cristina**  
IAR  
CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 254 909  
☎ 54 21 254 909  
✉ ccappa@irma.edu.ar

**Capellaro Enrico**  
Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
☎ 39 49 875 9840

**Cappi Alberto**  
Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 406  
☎ 39 51 259 407  
✉ cappi@astbo3.bo.  
astro.it

**Capria Maria Teresa**  
IAS  
Rep Planetologia  
Via d universita 11  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
☎ 39 6 2066 0188  
✉ capria@saturn.ias.fra.  
cnr.it

**Caprioli Giuseppe**  
OAR  
Via d Parco Mellini 84  
I 00136 Roma  
Italy  
☎ 39 6 34 7056  
☎ 39 6 349 8236

**Capriotti Eugene R**  
Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 422 1773  
☎ 1 614 292 2928

**Caputo Filippina**  
Osserv d Capodimonte  
Via Moiairiello 16  
I 80131 Napoli  
Italy  
☎ 39 81 44 0101  
☎ 39 81 45 6710  
✉ caputo@astrna.na.astro.it

**Capuzzo Dolcetta Roberto**  
Istt Astronomico  
Univ d Roma La Sapienza  
Via G M Lancisi 29  
I 00161 Roma  
Italy  
☎ 39 6 44 03734  
☎ 39 6 44 03673  
✉ dolcetta@astrmb.rm.astro.it

**Caranicolas Nicholas**  
Astronomy Lab  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 1357/59

**Carbon Duane F**  
NASA/ARC  
MS 258 5  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 604 4413  
☎ 1 415 604 6779  
✉ dcarbon@nas.nasa.gov

**Cardini Daniela**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
☎ 39 6 2066 0188  
✉ cardini@saturn.ias.rm.cnr.it

**Cardona Octavio**  
INAOE  
Tonantzintlaz  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico  
☎ 52 2 247 2011  
☎ 52 2 247 2231

**Cardus Almeda J O**  
Osserv d Ebro  
URL  
E 43520 Roquetes  
Spain  
☎ 34 7 750 0511  
☎ 34 7 750 4660

**Cargill Peter J**  
Space/Atmosph Phys  
Imperial Coll  
Prince Consort Rd  
London SW7 2BZ  
UK  
☎ 44 171 594 7773  
☎ 44 171 594 7772  
✉ p.cargill@ic.ac.uk

**Carigi Leticia**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653  
✉ carigi@astroscu.unam.mx

**Carignan Claude**  
Dpt d Physique  
Universite Montreal  
CP 6128 Succ A  
Montreal QC H3C 3J7  
Canada  
☎ 1 514 343 7355  
☎ 1 514 343 2071  
✉ carignan@cc.umontreal.ca

**Carilli Christopher L**  
NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 835 7000  
☎ 1 505 835 7027  
✉ ccarilli@nrao.edu

**Carlberg Raymond Gary**  
Physics Dpt  
York Univ  
4700 Keele St  
North York ON M3J 1P3  
Canada  
☎ 1 416 667 3851  
☎ 1 416 736 5386

**Carleton Nathaniel P**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7405  
☎ 1 617 495 7356

**Carlqvist Per A**  
Dpt Plasma Physics  
Royal Inst of Technology  
S 100 44 Stockholm 70  
Sweden  
☎ 46 87 87 7697

**Carlson John B**  
Archeoastron Ctr  
Box X  
College Park MD 20741 3022  
USA  
☎ 1 301 864 6637

**Carlsson Mats**  
Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway  
☎ 47 22 856 536  
☎ 47 22 856 505  
✉ mats.carlsson@astro.uio.no

**Carney Bruce William**  
Dpt Phys/Astronomy  
Univ North Carolina  
204 Phillips Hall 039a  
Chapel Hill NC 27514 3255  
USA  
☎ 1 919 962 3023  
☎ 1 919 962 0480  
✉ bruce@sloth.astro.unc.edu

**Caroff Lawrence J**  
NASA/ARC  
Space Sci Div  
MS 245 6  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 694 5523  
☎ 1 415 604 6779

**Caroubalos C A**  
Lab Electronic Physics  
Ntl Univ Athens  
Kthria Typa-Ilissia  
GR 157 01 Athens  
Greece  
☎ 30 1 724 4096/11119

**Carpenter Kenneth G**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 3453  
☎ 1 301 286 1753  
✉ hrscarpenter@tma1.gsfc.nasa.gov

**Carpenter Lloyd**  
13902 Resin Ct  
Bowie MD 20720  
USA

**Carpino Mario**  
Osserv Astronomico  
d Brera  
Via Brera 28  
I 20121 Milano  
Italy  
☎ 39 2 723 20306  
☎ 39 2 720 01600  
✉ carpino@brera.mi.astro.it

**Carpintero Daniel Diego**  
FCAGS  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
☎ 54 21 211 761  
✉ ddc@fcaglp.fcaglp.unlp.edu.ar

**Carquillat Jean-Michel**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
☎ 33 5 61 27 3179

**Carr Bernard John**  
School Mathemat Sc  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 980 4811  
☎ 44 181 975 5500

**Carr John Sherman**  
NRL  
Code 7217  
4555 Overlook Av SW  
Washington DC 20375 5351  
USA  
☎ 1 202 767 0670  
☎ 1 202 404 8894  
✉ carr@nrl.navy.mil

**Carr Thomas D**  
Astronomy Dpt  
Univ of Florida  
211 SSRB  
Gainesville FL 32611  
USA  
☎ 1 904 392 2066  
☎ 1 904 392 5089  
✉ tacarr@uffc

**Carraminana Alberto**  
INAOE  
Tonantzintlaz  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico  
☎ 52 2 247 2011  
☎ 52 2 247 2231  
✉ elsare@inaoep.mx

**Carranza Gustavo J**  
Observ Astronomico  
de Cordoba  
Laprida 854  
5000 Cordoba  
Argentina  
☎ 54 51 23 0491  
☎ 54 51 21 0613  
✉ carranza@astro.edu.ar

**Carrasco Berth Esperanza**  
INAOE  
Tonantzintlaz  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico  
☎ 52 2 247 2011  
☎ 52 2 247 2231

**Carrasco Guillermo**  
Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101  
☎ 56 2 229 4002

**Carrasco Luis**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653



**Carrillo Moreno Rene**  
 Instituto Astronomia  
 UNAM  
 Apt 70 264  
 Mexico DF 04510  
 Mexico  
 ☎ 52 5 622 3906  
 ☎ 52 5 616 0653  
 ✉ rene@astroscu.  
 unam.mx

**Carroll P Kevin**  
 Physics Dpt  
 Univ College  
 Belfield  
 Dublin 4  
 Ireland  
 ☎ 353 1 693 244  
 ☎ 353 1 694 409

**Carruthers George R**  
 NRL  
 Code 7123  
 4555 Overlook Av SW  
 Washington DC 20375 5000  
 USA  
 ☎ 1 202 767 2764  
 ☎ 1 202 404 7296

**Carsenty Uri**  
 DFVLR  
 Ne Oe Pe  
 Oberpfaffenhofen  
 D 8031 Wessling  
 Germany  
 ☎ 49 815 328 1328  
 ☎ 49 815 32476

**Carsmaru Maria M**  
 Astronomical Institute  
 Romanian Acad Sciences  
 Cutilul de Argint 5  
 RO 75212 Bucharest  
 Rumania  
 ☎ 40 1 641 3686  
 ☎ 40 1 312 3391  
 ✉ carsmaru@roastro.  
 astro.ro

**Carson T R**  
 Dpt Phys/Astronomy  
 Univ of St Andrews  
 North Haugh  
 St Andrews Fife KY16 9SS  
 UK  
 ☎ 44 1334 76161  
 ☎ 44 1334 74487

**Carswell Robert F**  
 Inst of Astronomy  
 The Observatories  
 Madingley Rd  
 Cambridge CB3 0HA  
 UK  
 ☎ 44 12 23 337 548  
 ☎ 44 12 23 337 523

**Carter Bradley Darren**  
 Fac of Sciences  
 Univ of SQLD  
 Toowoomba QLD 4320  
 Australia  
 ☎ 61 7 46 312801  
 ☎ 61 7 46 31312721  
 ✉ carterb@usq.edu.au

**Carter Brian**  
 Carter Observ  
 Ntl Observ New Zealand  
 Box 2909  
 Wellington 1  
 New Zealand  
 ☎ 64 4 472 8167  
 ☎ 64 4 472 8320  
 ✉ brian.carter@vuw.  
 ac.nz

**Carter David**  
 MSSSO  
 Weston Creek  
 Private Bag  
 Canberra ACT 2611  
 Australia  
 ☎ 61 262 881 111  
 ☎ 61 262 490 233

**Carter William Eugene**  
 Dpt Civil Eng  
 Univ of Florida  
 345 Weil Hall  
 Gainesville FL 32611  
 USA  
 ☎ 1 904 392 5003  
 ☎ 1 904 392 4957  
 ✉ bcarter@ce.ufl.edu

**Carusi Andrea**  
 IAS  
 Rep Planetologia  
 Via d universita 11  
 I 00133 Roma  
 Italy  
 ☎ 39 6 4993 4473  
 ☎ 39 6 2066 0188  
 ✉ carusi@saturn.ias.  
 fra.cnr.it

**Carver John H**  
 Australian Ntl Univ  
 Res School Phys Science  
 Box 4  
 Canberra ACT 2600  
 Australia  
 ☎ 61 2 62 49 2476

**Casanovas Juan**  
 Vatican Observ  
 I 00120 Citta del Vaticano  
 Vatican City State  
 ☎ 39 6 698 3411/5266  
 ☎ 39 6 698 84671

**Casares Valazquez Jorge**  
 IAC  
 Observ d Teide  
 via Lactea s/n  
 E 38200 La Laguna  
 Spain  
 ☎ 34 2 232 9100  
 ☎ 34 2 232 9117

**Casertano Stefano**  
 Dpt Astron/Physics  
 Univ of Illinois  
 1011 W Springfield Av  
 Urbana IL 61801  
 USA  
 ☎ 1 217 333 9380  
 ☎ 1 217 244 7638  
 ✉ stefano@rigel.astro.  
 uluc.edu

**Cash Webster C**  
 CASA  
 Univ of Colorado  
 Campus Box 389  
 Boulder CO 80309 0389  
 USA  
 ☎ 1 303 492 4056  
 ☎ 1 303 492 4052

**Casoli Fabienne**  
 DEMIRM  
 ENS  
 24 r Lhomond  
 F 75231 Paris Cdx 05  
 France  
 ☎ 33 1 43 29 1225  
 ☎ 33 1 40 51 2002  
 ✉ casoli@frulm11

**Cassatella Angelo**  
 IAS  
 Area d Ricerca CNR  
 Via Fosso Cavaliere 100  
 I 00133 Roma  
 Italy  
 ☎ 39 6 4993 4473  
 ☎ 39 6 2066 0188  
 ✉ angelo@saturn.ias.  
 rm.cnr.it

**Casse Michel**  
 DAPNIA/SAP  
 CEA Saclay  
 BP 2  
 F 91191 Gif s Yvette Cdx  
 France  
 ☎ 33 1 69 08 3917  
 ☎ 33 1 69 08 6577

**Cassinelli Joseph P**  
 Astronomy Dpt  
 Univ Wisconsin  
 475 N Charter St  
 Madison WI 53706 1582  
 USA  
 ☎ 1 608 262 1752  
 ☎ 1 608 263 0361

**Castagnino Mario**  
 IAFE  
 CC 67 Suc 28  
 1428 Buenos Aires  
 Argentina  
 ☎ 54 1 781 6755  
 ☎ 54 1 814 4299  
 ✉ castagnino@iafe.  
 edu.ar

**Castaneda Hector**  
 IAC  
 Observ d Teide  
 via Lactea s/n  
 E 38200 La Laguna  
 Spain  
 ☎ 34 2 232 9100  
 ☎ 34 2 232 9117

**Castelaz Micheal W**  
 Physics Dpt  
 E Tennessee State Univ  
 Box 70652  
 Johnson City TN 37614  
 USA  
 ☎ 1 615 461 7064  
 ✉ castelam@etsuarts.  
 etsu-tn.edu

**Castellani Vittorio**  
 Dpt Fisica  
 Univ d Pisa  
 Piazza Torricelli 2  
 I 56100 Pisa  
 Italy  
 ☎ 39 50 443 343  
 ☎ 39 50 482 77

**Castelli Fiorella**  
 OAT  
 Box Succ Trieste 5  
 Via Tiepolo 11  
 I 34131 Trieste  
 Italy  
 ☎ 39 40 31 99255  
 ☎ 39 40 30 9418

**Castelli John P**  
 125 Hillside Av  
 Arlington MA 02174  
 USA

**Castets Alain**  
 Observ Grenoble  
 Lab Astrophysique  
 BP 53x  
 F 38041 S Martin Heres Cdx  
 France  
 ☎ 33 4 76 51 4786  
 ☎ 33 4 76 44 8821

**Castor John I**  
 LLNL  
 L 58  
 Box 808  
 Livermore CA 94551 9900  
 USA  
 ☎ 1 415 422 4664  
 ☎ 1 415 422 5102  
 ✉ castor1@llnl.gov

**Caswell James L**  
 CSIRO  
 Div Radiophysics  
 Box 76  
 Epping NSW 2121  
 Australia  
 ☎ 61 2 868 0222  
 ☎ 61 2 868 0310  
 ✉ jcaswell@atnf.csiro.au

**Catala Claude**  
 Observ Paris Meudon  
 PJ Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7663  
 ☎ 33 1 45 07 7971

**Catala Poch M A**  
 M Asuncion  
 Muntaner 83 B 3/3  
 E 08011 Barcelona  
 Spain  
 ☎ 34 4 5 32 569

**Catalan Manuel**  
 ROA  
 Cecilio Pujazon 22-3 A  
 E 11110 San Fernando  
 Spain  
 ☎ 34 5 688 3548  
 ☎ 34 5 659 9366  
 ✉ catalan@czv1.uca.es

**Catalano Francesco A**  
Istt Astronomia  
Citta Universitaria  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 21111  
ⓞ 39 95 33 0592

**Catalano Santo**  
Istt Astronomia  
Citta Universitaria  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 21111  
ⓞ 39 95 33 0592

**Catchpole Robin M**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
ⓞ 44 12 23 374 700  
✉ catchpole@uk.ac.cam.  
ast-star

**Cato B Torgny**  
Nordisk Telesatlistat  
Box 107  
S 457 00 Tanumshede  
Sweden  
☎ 46 52 52 9155

**Caton Daniel B**  
Dpt Phys/Astronomy  
Appalachian State Univ  
Boone NC 28608  
USA  
☎ 1 704 262 2446  
✉ catondb@appstate.edu

**Catura Richard C**  
1008 Columbus St  
Half Moon Bay CA 94019  
USA  
✉ catura@sag.space.  
lockeed.com

**Cauzzi Gianna**  
Osserv d Capodimonte  
Via Moiarriello 16  
I 80131 Napoli  
Italy  
☎ 39 81 557 5111  
ⓞ 39 81 45 6710  
✉ gcauzzi@cerere.  
na.astro.it

**Cavaliere Alfonso G**  
Dpt Fisica/Astrofisica  
Univ d Roma Tor Vergata  
Via Ric Scientifica  
I 00133 Roma  
Italy  
☎ 39 6 725 94301  
ⓞ 39 6 202 3507

**Cavallini Fabio**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 43 78540  
ⓞ 39 55 43 5939

**Cawley Michael**  
Physics Dpt  
St Patrick's College  
Maynooth  
Maynooth Co Kildare  
Ireland  
☎ 353 1 285 222\*499

**Cayrel Roger**  
Observ Paris  
DASGAL  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2251  
ⓞ 33 1 40 51 2232  
✉ cayrel@obsppm.fr

**Cayrel de Strobel Giusa**  
Observ Paris Meudon  
DASGAL  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7863  
ⓞ 33 1 45 07 7971

**Cazenave Anny**  
CNES/GRGS/BGI  
18 Av E Belin  
F 31055 Toulouse Cdx  
France  
☎ 33 5 61 27 4011  
ⓞ 33 5 61 25 3205  
✉ anny.cazenave@to.  
astro.it

**Cazzola Paolo**  
Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
ⓞ 39 49 875 9840

**Cecchi-Pellini Cesare**  
Osserv d Capodimonte  
Via Moiarriello 16  
I 80131 Napoli  
Italy  
☎ 39 81 298 384  
ⓞ 39 81 45 6710  
✉ cesarecp@cosmic.  
na.astro.it

**Cefola Paul J**  
Mail Station 64  
C S Draper Lab  
555 Technology Sq  
Cambridge MA 02139  
USA  
☎ 1 617 258 1787

**Celis Leopoldo**  
Dpt Astronomia  
Univ Catolica  
Casilla 36 D,  
Santiago  
Chile  
☎ 56 2 229 4101  
ⓞ 56 2 229 4002

**Cellino Alberto**  
Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9000  
ⓞ 39 11 461 9030  
✉ cellino@astto2.infn.it

**Cellone Sergio Aldo**  
Complejo Astronomico  
El Leoncito  
CC 467  
5400 San Juan  
Argentina  
☎ 54 64 213 653  
ⓞ 54 64 213 693  
✉ scellone@castec.  
edu.ar

**Celnikier Ludwik**  
Observ Paris Meudon  
DAEC  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7410  
ⓞ 33 1 45 07 7971

**Centrella Joan M**  
Physics Dpt  
Drexel Univ  
Philadelphia PA 19104  
USA  
☎ 1 215 895 2715

**Centurion Martin Miriam**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
ⓞ 34 2 232 9117  
✉ mcm@iac.es

**Cepa Jordi**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
ⓞ 34 2 232 9117

**Ceplecha Zdenek**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7155  
ⓞ 420 2 88 1611  
✉ ceplecha@asu.cas.cz

**Ceppatelli Guido**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 43 78540  
ⓞ 39 55 43 5939

**Cernicharo Jose**  
Ctr Astron d Yebes  
OAN  
Apt 148  
E 19080 Guadaluajara  
Spain  
☎ 34 1 129 0311  
ⓞ 34 1 129 0063

**Cernis Kazimieras**  
Inst Theor Physics/  
Astronomy  
Gostauto 12  
Vilnius 2600  
Lithuania  
☎ 370 2 613 440  
ⓞ 370 2 224 694  
✉ astro@itpa.fi.lt

**Cerroni Priscilla**  
IAS  
Rep Planetologia  
Via d universita 11  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
ⓞ 39 6 2066 0188  
✉ priscio@saturn.ias.  
fra.cnr.it

**Cerruti'sola Monica**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 43 78540  
ⓞ 39 55 43 5939

**Cersosimo Juan Carlos**  
Dpt Phys/Electronic  
Univ of Puerto Rico  
Cuh Station  
Humacao PR 00791  
USA  
☎ 1 809 850 9381  
ⓞ 1 809 852 4638

**Cesarsky Catherine J**  
CEA/DSM  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 7515  
ⓞ 33 1 69 08 4004  
✉ catherine.cesarsky  
@cea.fr

**Cesarsky Diego A**  
IAS  
Bt 121  
Universite Paris XI  
F 91405 Orsay Cdx  
France

**Cester Bruno**  
OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 31 99255  
ⓞ 39 40 30 9418

**Cevolani Giordano**  
FISBAT  
CNR  
Via Castagnoli 1  
I 40126 Bologna  
Italy  
☎ 39 51 239 593/94

**Cha Du Jin**  
Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Cha Gi Ung**  
Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Chaffee Frederic H**  
W M Keck Observ  
Box 220  
65 1120 Mamalahoa Hwy  
Kamuela HI 96743  
USA  
☎ 1 808 885 7887  
☎ 1 808 885 7887  
✉ fchaffee@keck.  
hawaii.edu

**Chaisson Eric J**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4757  
☎ 1 301 338 4767

**Chakrabarti Sandip K**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 215 2971\*305  
☎ 91 22 495 2110  
✉ chakraba@tifrvax.  
tifr.res.in

**Chakraborty Deo K**  
Physics Dpt  
Univ of Ravishankar  
Raipur 492 010  
India  
☎ 91 27 064

**Chalabaev Aimas**  
OHP  
F 04870 S Michel Obs  
France  
☎ 33 4 92 76 6368  
☎ 33 4 92 76 6295  
✉ chalabaev@froni51

**Chamaroux Pierre**  
Observ Paris Meudon  
ARPEGES  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7594  
☎ 33 1 45 07 7971

**Chambe Gilbert**  
Observ Paris Meudon  
DASOP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 34 7793  
☎ 33 1 45 07 7959

**Chamberlain Joseph M**  
510 W Thousand Oaks Dr  
Peoria IL 61615 1395  
USA  
☎ 1 309 691 1442

**Chamberlain Joseph W**  
510 W Thousand Oaks Dr  
Peoria IL 61615 1394  
USA  
☎ 1 309 691 1442  
✉ jchambe584@aol.com

**Chambliss Carlson R**  
Dpt Physical Sci  
Kutztown Univ  
Kutztown PA 19530  
USA  
☎ 1 215 683 4439

**Chan Kwing Lam**  
Applied Res Corp  
8201 Corporate Dr  
Suite 920  
Landover MD 20785  
USA  
☎ 1 301 459 8442  
☎ 1 301 459 0761

**Chan Roberto**  
Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 7313  
☎ 55 21 580 0332  
✉ userchan@inccvm

**Chan Siu Kuen Josphine**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
☎ 44 12 23 337 548  
✉ sjchan@ast.cam.ac.uk

**Chance Kelly V**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7389  
☎ 1 617 495 7389  
✉ kelly@cfa.harvard.edu

**Chandler Claire**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 339 992  
☎ 44 12 23 354 599  
✉ cjc@mrao.cam.ac.uk

**Chandra Subhash**  
Mis Phillips Labs  
345 Scarborough Rd  
Briar Cliff NY 10510  
USA

**Chandra Suresh**  
School of Physical Sci  
SRTM Univ  
Nanded 431 606  
India  
☎ 91 2462 26203  
☎ 91 2462 26119

**Chandrasekhar T**  
PRL  
Navrangpura  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
☎ 91 272 44 5292

**Chang Jin**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 330 3583  
☎ 86 25 330 1459

**Chang Kyongae**  
Dpt Physics/Optics  
Chungju Univ  
Chungju  
Korea RP  
☎ 82 431 51 8466  
☎ 82 431 212 5842  
✉ kcchang@soback.  
kornet.nm.kr

**Chaudhuri Arnab**  
Physics Dpt  
IISc  
Karnataka  
Bangalore 560 012  
India  
☎ 91 81 234 4411  
☎ 91 81 234 1683  
✉ arnab@physics.iisc.  
ernet.in

**Chapman Clark R**  
Southwest Res Inst  
1050 Walnut St  
Suite 426  
Boulder CO 80302  
USA

**Chapman Gary A**  
Dpt Phys/Astronomy  
San Fernando Observ  
California State Univ.  
Northridge CA 91330 8268  
USA  
☎ 1 818 885 2775

**Chapman Jessica**  
CSIRO  
ATNF  
Box 296  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0310  
✉ jchapman@atnf.csiro.au

**Chapman Robert D**  
10976 Swanfields Rd  
Columbia MD 21044  
USA  
☎ 1 301 596 4617

**Chapront Jean**  
Observ Paris  
DANOF  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2271  
☎ 33 1 44 54 1804  
✉ jean.chapront@danof.  
obspm.fr

**Chapront-Touze Michelle**  
BDL  
77 Av Denfert Rochereau  
F 75014 Paris  
France  
☎ 33 1 40 51 2266  
☎ 33 1 46 33 2834

**Charbonneau Paul**  
HAO  
NCAR  
Box 3000  
Boulder CO 80307  
USA  
☎ 1 303 497 1594  
☎ 1 303 497 1589  
✉ paulchar@hao.  
ucar.edu

**Charles Philip Allan**  
Astrophysics Dpt  
Univ of Oxford  
Keble Rd  
Oxford OX1 3RQ  
UK  
☎ 44 186 527 3374  
☎ 44 186 527 3418  
✉ pac@astro.ox.ac.uk

**Charlot Patrick**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 57 77 6141  
☎ 33 5 577 7 6110  
✉ charlot@observ.u-  
bordeaux.fr

**Charlot Stephane**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8146  
☎ 33 1 44 32 8001  
✉ charlot@iap.fr

**Chashei Igor V**  
Lebedev Physical Inst  
Leninsky Pspt 53  
Moscow 117924  
Russia  
☎ 7 096 7732 757  
☎ 7 096 7732 482  
✉ chashey@prao.psn.ru

**Chassefiere Eric**  
Service Aeronomie  
BP 3  
F 91371 Verrieres Buisson  
France  
☎ 33 1 64 47 4211

**Chatterjee Tapan K**  
Fac Ciencias  
Univ A Puebla  
Apt 1316  
Puebla PUE 72000  
Mexico  
☎ 52 2 233 0455  
① 52 2 244 8947

**Chau Wai Y**  
Physics Dpt  
Queen's Univ  
Kingston ON K7L 3N6  
Canada  
☎ 1 613 547 3526  
① 1 613 545 6463

**Chaubey Uma Shankar**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136/2583

**Chauvineau Bertrand**  
OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 36 5849  
① 33 4 93 40 5353

**Chavarria'k Carlos**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
① 52 5 616 0653

**Chavez-Dagostino Miguel**  
INAOE  
Tonantzintlaz  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico  
☎ 52 2 247 2011  
① 52 2 247 2231  
✉ mchavez@inaoep.mx

**Chavira Enrique Sr**  
INAOE  
Tonantzintlaz  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico  
☎ 52 2 247 2011  
① 52 2 247 2231  
✉ chavira@tonali.inaoep.mx

**Che-Bohnenstengel Anne**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4112  
① 49 407 252 4198

**Chechetkin Valerij M**  
Keldysh Inst Applied Maths  
Acad Sciences  
Miusskaja Sq 4  
125047 Moscow  
Russia  
☎ 7 095 250 7847  
✉ chech@int.keldysh.ru

**Chelli Alain**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
① 52 5 616 0653

**Chen Biao**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
① 86 25 301 459

**Chen Daohan**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 31096  
① 86 25 301 459

**Chen Hongsheng**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Chen Jiansheng**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Chen Kwan-yu**  
Astronomy Dpt  
Univ of Florida  
211 SSRB  
Gainesville FL 32611  
USA  
☎ 1 904 392 2055  
① 1 904 392 5089

**Chen Li**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618  
✉ chenli@center.shao.ac.cn

**Chen Li**  
Astronomy Dpt  
Beijing Normal Univ  
Beijing 100875  
China PR  
☎ 86 1 201 2288/2918  
① 86 1 201 3929  
✉ zhouzf@bnu.ihep.ac.cn

**Chen Peisheng**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
① 86 871 717 1845

**Chen Wen Ping**  
Inst Phys/Astronomy  
Ntl Central Univ  
Chung Li Taiwan 32054  
China R  
☎ 886 3 422 3424  
① 886 3 426 2304  
✉ when@phyast.phy.ncu.edu.tw

**Chen Xiaozhong**  
Beijing Planetarium  
138 Xi Wai St  
Beijing 100044  
China PR  
☎ 86 1 683 61691  
① 86 10 683 53003

**Chen Yang**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 663 7551\*2882  
① 86 25 330 2728  
✉ ygchen@nju.edu.cn

**Chen Zhen**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
① 86 25 301 459

**Chen Zhencheng**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Cheng Fuhua**  
Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 33 1134\*526  
① 86 551 33 1760

**Cheng Fuzhen**  
Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 33 1134\*987  
① 86 551 33 1760

**Cheng Kwang Ping**  
14204 Castle Blvd  
Silver Spring MD 20904  
USA  
☎ 1 301 286 3019  
① 1 301 286 1753  
✉ cheng@stars.gsfc.nasa.gov

**Cheng Kwong-sang**  
Physics Dpt  
Univ Hong Kong  
Hong Kong  
China PR  
☎ 852 285 92 368  
① 852 255 99 152  
✉ hrpskc@hkucc.hku.hk

**Chengmo Zhang**  
Inst High Energy Phys  
CAS  
Beijing 100039  
China PR  
☎ 86 1 6821 3344\*2149  
① 86 10 6821 3374  
✉ zhangcm@heal2.ihep.ac.cn

**Cherednichenko V I**  
Kyiv Polytechnical Inst  
252056 Kyiv  
Ukraine

**Chereshchuk Analiy M**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2858  
① 7 095 932 8841  
✉ boch@astronomy.msk.su

**Chernin Arthur D**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2858  
① 7 095 939 0126

**Chernov Gennadij P**  
ITMIRWP  
Acad Sciences  
142092 Troitsk  
Russia  
☎ 7 095 334 0902  
① 7 095 334 0124

**Chernykh N S**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
① 380 6554 40704

**Chertok Ilija M**  
IZMIRAN  
Acad Sciences  
Moscow Region  
142092 Troitsk  
Russia  
☎ 7 095 334 0902  
① 7 095 334 0124  
✉ ichertok@izmiran.troitsk.ru

**Chertoprud Vladim E**  
Hydrometeorologic Res Ctr  
Bolshoi Predtechensky Per. 9-11  
123342 Moscow  
Russia  
☎ 7 095 255 5026  
① 7 095 255 1582

**Chevalier Claude**  
OHP  
F 04870 S Michel Obs  
France  
☎ 33 4 92 76 6368  
① 33 4 92 76 6295

**Chevalier Roger A**  
University Station  
Univ of Virginia  
Box 3818  
Charlottesville VA 22903 0818  
USA  
☎ 1 804 924 4889  
✉ rac5x@virginia.edu

**Chevrel Serge**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 33 2963  
① 33 5 61 25 3205  
✉ chevrel@selenix.cnes.fr

**Chian Abraham Chian-Long**  
INPE  
Dpt Astronomia  
CP 515  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 123 22 9977  
① 55 123 21 8743

**Chiba Masashi**  
Ntl Astronomical Obs  
Osawa 2-21-1  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3619  
① 81 422 34 3793  
✉ chibams@cc.nao.ac.jp

**Chikada Yoshihiro**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 98 2831  
① 81 267 98 2884

**Chincarini Guido L**  
Osserv Astronomico  
d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy  
☎ 39 990 6412  
① 39 990 8492

**Chini Rolf**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 0  
① 49 228 525 229

**Chio Chol Zong**  
Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Chiosi Cesare S**  
Dpt Astronomia  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3422/829 3411  
① 39 49 875 9840  
✉ chiosi@astrpd.pd.astro.it

**Chis Gheorghe Dorin**  
Astronomical Observ  
Romanian Acad Sciences  
UI Ciresilor 19  
RO 3400 Cluj Napoca  
Rumania  
☎ 40 64 194 592  
① 40 64 194 592

**Chistyakov Vladimir E**  
Ussuriisk Solar Station  
Primorsky Krai  
692533 Gornotaezhnoe  
Russia  
☎ 7

**Chitre Dattakumar M**  
Computer Sciences Corp  
System Sciences div  
8728 Colesville Rd  
Silver Spring MD 20910  
USA

**Chitre Shashikumar M**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 219 111  
① 91 22 495 2110

**Chiu Hong Yee**  
NASA GSFC  
Code 914  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8256  
① 1 301 286 1663  
✉ chiu@oz.gsfc.nasa.gov

**Chiu Liang-Tai George**  
IBM  
T J Watson Res Ctr  
Box 218  
Yorktown Heights NY 10598  
USA  
☎ 1 914 945 2436  
✉ glt@watson.ibm.com

**Chioderi Claudio**  
Dpt Astronomia  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
① 39 55 22 0039

**Chioderi-Drago Franca Pr**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 43 78540  
① 39 55 43 5939

**Chiueh Tzihong**  
Inst Phys/Astronomy  
Ntl Central Univ  
Chung Li Taiwan 32054  
China R  
☎ 886 3 422 7151\*5341  
① 886 3 425 1175  
✉ chiueh@phyast.dnet.  
ncu.edu.tw

**Chiumiento Giuseppe**  
Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9000  
① 39 11 810 1930  
✉ chiumiento@to.astro.it

**Chkhikvadze Iakob N**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
① 995 88 32 98 5017

**Chlistovsky Franca**  
Osserv Astronomico  
d Brera  
Via Brera 28  
I 20121 Milano  
Italy  
☎ 39 2 874 444  
① 39 2 720 01600

**Chmielewski Yves**  
Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauvigny  
Switzerland  
☎ 41 22 755 2611  
① 41 22 755 3983  
✉ yves.chmielewski@  
obs.unige.ch

**Chò Se Hyung**  
ISSA  
Yoonsung Koon  
Daejeon 305 348  
Korea RP  
☎ 82 428 51 1281  
① 82 428 61 5610

**Chochol Drahomir**  
Astronomical Institute  
Slovak Acad Sci  
SK 059 60 Tatranska Lomnica  
Slovak Republic  
☎ 421 969 967 866  
① 421 969 96 7656  
✉ chochol@auriga.ta3.sk

**Chodas Paul Winchester**  
CALTECH/JPL  
MS 301 150  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 7795  
① 1 818 393 1159  
✉ paul.chodas@jpl.nasa.gov

**Chodorowski Michal**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
① 48 22 41 0828  
✉ michal@camk.edu.pl

**Choe Seung Urn**  
Dpt Earth Science/Ed  
Seoul Ntl Univ  
Sinlim Dong Gwang Gu  
Seoul 151 742  
Korea RP

**Choi Kyu-Hong**  
Dpt Astron/Meteorology  
Yonsei Univ  
Seodaemun ku  
Seoul 120 749  
Korea RP  
☎ 82 239 20 131  
① 82 231 35 033

**Choi Won Chol**  
Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Chokshi Arati**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 0672/676  
① 91 80 553 4043  
✉ chokshi@iiap.ernet.in

**Chollet Fernand**  
Observ Paris  
DANOF  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2205  
① 33 1 44 54 1804  
✉ chollet@mesioib.ospbm.fr

**Choloniewski Jacek**  
Astronomical Observ  
Warsaw Univ  
Al Ujazdowskie 4  
PL 00 478 Warsaw  
Poland  
☎ 48 22 29 4011  
① 48 22 29 4697  
✉ jch@plwauw61

**Chopinnet Marguerite**  
57 r Thiers  
F 92100 Boulogne  
France  
☎ 33 1 47 61 1144

**Chou Chih-Kang**  
Inst Phys/Astronomy  
Ntl Central Univ  
Chung Li Taiwan 32054  
China R  
☎ 886 3 425 1175  
① 886 3 426 2304

**Chou Dean-Yi**  
Physics Dpt  
Ntl Tsing Hua Univ  
Hsin Chu 300043  
China R  
✉ dychou@twncu01

**Chou Kyong Chol**  
Korean Space/Envirnt  
1402 Life officetel Bldg  
Toido Dong Yongdongpo Ku  
Seoul 150 010  
Korea RP  
☎ 82 276 10 031  
① 82 276 10 032

**Choudhary Debi Prasad**  
Udaipur Solar Observ  
11 Vidya Marg  
Udaipur 313 001  
India  
☎ 91 294 560 626  
① 91 294 525 959  
✉ debi@uso.ernet.in

**Choudhuri Arnab Rai**  
Physics Dpt  
IISc  
Bangalore 560 012  
India  
☎ 91 80 334 4411  
① 91 80 334 1683

**Christensen Per R**  
Theoretical Astrophysics Centre  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5913  
① 45 35 32 5913  
✉ perrex@nbivax.nbi.dk

**Christensen-Dalsgaard J**  
Inst Phys/Astronomy  
Univ of Aarhus  
Ny Munkegade  
DK 8000 Aarhus C  
Denmark  
☎ 45 89 42 3614  
① 45 86 12 0740  
✉ jcd@obs.aau.dk

**Christian Carol Ann**  
STSci  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4764  
① 1 301 338 4579  
✉ carolc@stsci.edu

**Christiansen Wayne A**  
Dpt Phys/Astronomy  
Univ North Carolina  
204 Phillips Hall 039a  
Chapel Hill NC 27514  
USA  
☎ 1 919 962 3011  
① 1 919 962 0480

**Christiansen Wilbur**  
42 The Grange  
67 Mac Gregor St  
Deakin ACT 2600  
Australia  
☎ 61 06 281 5576

**Christodoulou Dmitris**  
1617 S Beretania St 801  
Woburn MA 01801  
USA

**Christy James Walter**  
Hughes Aircraft Co  
1720 W Niona Pl  
Tucson AZ 85704  
USA  
☎ 1 520 297 1377

**Christy Robert F**  
CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 213 795 6811  
① 1 818 568 1517

**Chrysovergis Michael**  
22 Spartis St  
GR Callithea  
Greece

**Chu Hanshu**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 301096  
① 86 25 301 459

**Chu Yaoquan**  
Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 33 1134  
① 86 551 33 1760  
✉ yqchu@hpe25.nic.usc.edu.cn

**Chu You-Hua**  
Dpt Astron/Physics  
Univ of Illinois  
1002 W Green St  
Urbana IL 61801  
USA  
☎ 1 217 333 5535  
① 1 217 244 7638  
✉ chu@astro.uiuc.edu

**Chubb Talbot A**  
5023 N 38th St  
Arlington VA 22207  
USA  
☎ 1 703 536 4427

**Chugai Nikolai N**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 2129  
① 7 095 230 2081

**Chun Mun-suk**  
Dpt Astron/Meteorology  
Yonsei Univ  
Seodaemum ku  
Seoul 120 749  
Korea RP  
☎ 82 236 12 685  
① 82 231 35 033  
✉ mschun@galaxy.yonsei.ac.kr

**Chung Hyun Soo**  
Korea Astronomy Obs/ISSA  
36 1 Whaam Dong  
Yuseong Gu  
Taejon 305 348  
Korea RP  
☎ 82 428 65 3282  
① 82 428 65 3282  
✉ hschung@hanul.issa.re.kr

**Chupp Edward L**  
Physics Dpt  
Univ of New Hampshire  
Demeritt Hall  
Durham NH 03824  
USA  
☎ 1 603 862 2750  
① 1 603 862 2998  
✉ elc@christa.unh.edu

**Churazov Eugene M**  
Space Res Inst  
Profsoyuznaya 84/32  
Moscow 117810  
Russia  
☎ 7 095 333 3377  
① 7 095 333 5377  
✉ churazov@hea.iki.rssi.ru

**Churchwell Edward B**  
Washburn Observ  
Univ Wisconsin  
475 N Charter St  
Madison WI 53706  
USA  
☎ 1 608 262 7857  
① 1 608 263 0361

**Chvojkova Woyk E**  
Rektorska 13  
Malesice  
CZ 108 00 Praha 10  
Czech R

**Chyzy Krzysztof Tadeusz**  
Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
① 48 12 251 318  
✉ chris@oa.uj.edu.pl

**Ciardullo Robin**  
Dpt Astron/Astrophys  
Pennsylvania State Univ  
Penn State Univ  
University Park PA 16802  
USA  
☎ 1 814 865 6601  
① 1 814 863 3399  
✉ rbc@astro.psu.edu

**Clatti Franco**  
Osserv Astrofisico  
Univ d Padova  
Via d Osservatorio 8  
I 36012 Asiago  
Italy  
☎ 39 424 462 665  
① 39 424 462 884

**Cid Palacios Rafael**  
Dpt Astronomia  
Univ Zaragoza  
E 50009 Zaragoza  
Spain  
☎ 34 7 676 1000  
① 34 7 676 1140

**Cidale Lydia Sonia**  
Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
① 54 21 211 761  
✉ lydia@fcaglp.edu.ar

**Collie G G**  
4 Minserie St  
7600 Stellenbosch  
South Africa  
☎ 27 02 231 3515

**Cincotta Pablo Miguel**  
FCAGS  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308/3 8810  
① 54 21 211 761/25 8985  
✉ pmc@fcaglp.fcaglp.unlp.edu.ar

**Citterio Oberto**  
Osserv Astronomico  
d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy  
☎ 39 990 6412  
① 39 990 8492  
✉ citterio@merate.mi.astro.it

**Ciurla Tadeusz**  
Astronomical Institute  
Wroclaw Univ  
Ul Kopernika 11  
PL 51 622 Wroclaw  
Poland  
☎ 48 71 372 9373/74  
① 48 71 372 9378

**Clairemidi Jacques**  
Observ Besancon  
41bis Av Observatoire  
BP 1615  
F 25000 Besancon Cdx  
France  
☎ 33 3 81 66 6900  
① 33 3 81 66 6944  
✉ jclairemidi@obs-besancon.fr

**Claria Juan**  
Observ Astronomico  
de Cordoba  
Laprida 854  
5000 Cordoba  
Argentina  
☎ 54 51 23 0491  
① 54 51 21 0613  
✉ claria@astro.edu.ar

**Clark Barry G**  
 NRAO  
 VLA  
 Box 0  
 Socorro NM 87801 0387  
 USA  
 ☎ 1 505 772 4011  
 ☎ 1 505 835 7027

**Clark David H**  
 Science Division  
 Sci/Engineer Res Council  
 North Star Av  
 Swindon SN22 1SZ  
 UK  
 ☎ 44 17 932 6222  
 ☎ 44 17 934 42002

**Clark Frank Oliver**  
 Dpt Phys/Astronomy  
 Univ Kentucky  
 Lexington KY 40506 0055  
 USA  
 ☎ 1 606 257 3376  
 ☎ 1 606 323 2846

**Clark George W**  
 Physics Dpt  
 MIT  
 Box 165  
 Cambridge MA 02139 4307  
 USA  
 ☎ 1 617 253 5842  
 ✉ gwc@space.mit.edu

**Clark Thomas A**  
 NASA GSFC  
 Code 974  
 Greenbelt MD 20771  
 USA  
 ☎ 1 301 286 5957

**Clark Thomas Alan**  
 Physics Dpt  
 Univ of Calgary  
 2500 University Dr NW  
 Calgary AB T2N 1N4  
 Canada  
 ☎ 1 403 284 5392  
 ☎ 1 403 289 3331

**Clark Alfred**  
 Dpt Mech/Aerospace Sci  
 Univ of Rochester  
 Rochester NY 14627 0171  
 USA

**Clarke Catherine**  
 Inst of Astronomy  
 The Observatories  
 Madingley Rd  
 Cambridge CB3 0HA  
 UK  
 ☎ 44 12 23 337 535  
 ☎ 44 12 23 337 523  
 ✉ cclarke@castr.ast.cam.ac.uk

**Clarke David**  
 Astronomy Dpt  
 Univ of Glasgow  
 Glasgow G12 8QQ  
 UK  
 ☎ 44 141 339 8855  
 ☎ 44 141 334 9029

**Clarke John T**  
 NASA GSFC  
 Code 681  
 Greenbelt MD 20771  
 USA  
 ☎ 1 301 286 5781

**Clarke Thomas R**  
 McLaughlin Planetarium  
 Royal Ontario Museum  
 100 Queens Park Crescent  
 Toronto ON M5S 2C6  
 Canada  
 ☎ 1 416 998 8551

**Clausen Jens Viggo**  
 Astronomical Observ, NBIFAFG  
 Copenhagen Univ  
 Juliane Maries Vej 30  
 DK 2100 Copenhagen  
 Denmark  
 ☎ 45 35 32 5926  
 ☎ 45 35 32 5989  
 ✉ jvc@astro.ku.dk

**Claussen Mark J**  
 NRL  
 Code 4210  
 4555 Overlook Av SW  
 Washington DC 20375 5000  
 USA  
 ☎ 1 202 767 0670

**Clavel Jean**  
 ESA  
 Apt 50727 Villafranca  
 E 28080 Madrid  
 Spain  
 ☎ 34 1 813 1251  
 ☎ 34 1 813 1172  
 ✉ jclavel@iso.vilspa.esa.es

**Clay Roger**  
 Dpt Physics/  
 Math Physics  
 Univ Adelaide  
 Adelaide SA 5005  
 Australia  
 ☎ 61 8 8303 5996  
 ☎ 61 8 8303 4380  
 ✉ rclay@physics.adelaide.edu.au

**Clayton Donald D**  
 Dpt Phys/Astronomy  
 Clemson Univ  
 Clemson SC 29634 1911  
 USA  
 ☎ 1 803 656 5299  
 ✉ clayton@clemson

**Clayton Geoffrey C**  
 Dpt Phys/Astronomy  
 Louisiana State Univ  
 Baton Rouge LA 70803 4001  
 USA  
 ☎ 1 504 388 8275  
 ☎ 1 504 388 5855  
 ✉ gclayton@fenway.phys.lsu.edu

**Clayton Robert N**  
 Enrico Fermi Inst  
 Univ of Chicago  
 5640 S Ellis Av  
 Chicago IL 60637  
 USA  
 ☎ 1 312 702 7777  
 ☎ 1 312 702 8212

**Clegg Peter E**  
 Astrophysics Group  
 QMWC  
 Mile End Rd  
 London E1 4NS  
 UK  
 ☎ 44 171 975 5038  
 ☎ 44 181 975 5500  
 ✉ pec@star.qmw.ac.uk

**Clegg Robin E S**  
 Particle Physics/Astronomy  
 Polaris House  
 North Star Av  
 Swindon SN22 1SZ  
 UK  
 ☎ 44 17 934 42000  
 ☎ 44 17 934 42002

**Clemens Dan P**  
 Astronomy Dpt  
 Boston Univ  
 725 Commonwealth Av  
 Boston MA 02215  
 USA  
 ☎ 1 617 353 6140  
 ☎ 1 617 353 5704

**Clement Maurice J**  
 Astronomy Dpt  
 Univ of Toronto  
 60 St George St  
 Toronto ON M5S 1A1  
 Canada  
 ☎ 1 416 978 4833  
 ☎ 1 416 978 3921

**Clement Rosa Maria**  
 Dpt Astron/Astrofisica  
 Univ Valencia  
 Dr Moliner 50  
 E 46100 Burjassot  
 Spain  
 ☎ 34 6 398 3073  
 ☎ 34 6 398 3084  
 ✉ clement@deneb.matapl.uv.es

**Clette Frederic**  
 Koninklijke Sterrenwacht  
 van België  
 Ringlaan 3  
 B 1180 Brussels  
 Belgium  
 ☎ 32 2 373 0233  
 ☎ 32 2 374 9822  
 ✉ frederic.clette@oma.be

**Clifton Kenneth St**  
 NASA/MSFC  
 Space Science Lab  
 Code ES 63  
 Huntsville AL 35812  
 USA  
 ☎ 1 205 453 2305  
 ☎ 1 205 547 7754

**Climenhaga John L**  
 Dpt Phys/Astronomy  
 Univ of Victoria  
 Box 3055  
 Victoria BC V8W 3P6  
 Canada  
 ☎ 1 250 721 7741  
 ☎ 1 250 721 7715

**Cline Thomas L**  
 NASA GSFC  
 Code 661  
 Greenbelt MD 20771  
 USA  
 ☎ 1 301 286 8375

**Cliver Edward W**  
 AFPL  
 Space Physics Div  
 Hanscom AFB  
 Bedford MA 01731 3010  
 USA  
 ☎ 1 617 861 3975

**Clube S V M**  
 Astrophysics Dpt  
 Univ of Oxford  
 Keble Rd  
 Oxford OX1 3RH  
 UK  
 ☎ 44 186 527 3999  
 ☎ 44 186 527 3947

**Clutton-Brock Martin**  
 Dpt Maths/Astronomy  
 Univ of Manitoba  
 Winnipeg MB R3T 2N2  
 Canada  
 ☎ 1 204 474 9501

**Cochran Anita L**  
 Astronomy Dpt  
 Univ of Texas  
 Rim 15 308  
 Austin TX 78712 1083  
 USA  
 ☎ 1 512 471 1471  
 ☎ 1 512 471 6016  
 ✉ anita@zinfandel.utexas.edu

**Cochran William David**  
 Astronomy Dpt  
 Univ of Texas  
 Rim 15 308  
 Austin TX 78712 1083  
 USA  
 ☎ 1 512 471 4461  
 ☎ 1 512 471 6061  
 ✉ wdc@shiraz.utexas.edu

**Cocke William John**  
 Steward Observ  
 Univ of Arizona  
 Tucson AZ 85721  
 USA  
 ☎ 1 520 621 6540  
 ☎ 1 520 621 1532  
 ✉ jcocke@as.arizona.edu

**Code Arthur D**  
Washburn Observ  
Univ Wisconsin  
475 N Charter St  
Madison WI 53706  
USA  
☎ 1 608 262 9594  
☎ 1 608 263 0361  
✉ code@madraf.astro.  
wisc.edu

**Codina Landaberry Sayd J**  
Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 7313\*267  
☎ 55 21 580 0332

**Codina Vidal J M**  
Fabra Observ  
Gran Via de Los Cortes  
Catalanes 679  
E 08013 Barcelona  
Spain  
☎ 34 3 245 4766

**Coe Malcolm**  
Physics Dpt  
Southampton Univ  
The Univ  
Southampton SO9 5NH  
UK  
☎ 44 170 359 2108  
☎ 44 170 358 5813  
✉ mjc@phastr.soton.  
ac.uk

**Coelho Balsa Mario C**  
Rua Trindade Coelho 21  
2o Dto  
P 3000 Coimbra  
Portugal

**Coffeen David L**  
Box 151  
Hastings Hudson NY 10706  
USA  
☎ 1 914 478 2594

**Coffey Helen E**  
NOAA ERL R/E/SE  
Space Environment Lab  
325 Broadway  
Boulder CO 80303  
USA  
☎ 1 303 497 6223  
✉ hcoffey@ngdc.  
noaa.gov

**Cogan Bruce C**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 881 111  
☎ 61 262 490 233

**Cohen Jeffrey M**  
Physics Dpt  
Univ of Pennsylvania  
Philadelphia PA 19104  
USA  
☎ 1 215 898 8176  
☎ 1 215 898 9336

**Cohen Judith**  
CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 356 4005  
☎ 1 818 568 1517  
✉ jlc@deimos.caltech.edu

**Cohen Leon**  
Physics Dpt  
Hunters Coll  
695 Park Av  
New York NY 10021  
USA  
☎ 1 212 570 5696  
☎ 1 212 772 5393

**Cohen Marshall H**  
CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 213 356 4000  
☎ 1 818 568 1517

**Cohen Martin**  
Radio Astronomy Lab  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720  
USA  
☎ 1 415 642 2833  
☎ 1 415 642 6424

**Cohen Raymond J**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 147 757 1321  
☎ 44 147 757 1618  
✉ rjc@jb.man.ac.uk

**Cohen Richard S**  
Inst Space Studies  
2880 Broadway  
New York NY 10025  
USA  
☎ 1 212 678 5611

**Cohen Ross D**  
CASS  
UCSD  
C 011  
La Jolla CA 92093 0216  
USA  
☎ 1 619 534 2664  
☎ 1 619 534 2294

**Cohn Haldan N**  
Astronomy Dpt  
Indiana Univ  
Swain W 319  
Bloomington IN 47405  
USA  
☎ 1 812 335 4174  
☎ 1 812 855 8725

**Colangeli Luigi**  
Osserv d Capodimonte  
Via Moiariello 16  
I 80131 Napoli  
Italy  
☎ 39 81 298 384  
☎ 39 81 45 6710  
✉ colangeli@astrna.na.  
astro.it

**Colburn David S**  
1944 Waverley St  
Palo Alto CA 94301  
USA  
☎ 400 414 327 7183  
✉ colburn@galileo.arc.  
nasa.gov

**Cole Trevor William**  
School of Electrical Eng  
UNSW  
Sydney NSW 2006  
Australia  
☎ 61 2 692 2682  
☎ 61 2 660 2903

**Coleman Paul Henry**  
Physics Dpt  
Univ of Puerto Rico  
Box 23343  
Rio Piedras PR 00931 3343  
USA  
☎ 1 787 764 0000\*7346  
☎ 1 787 764 4063  
✉ gruff@astro1.cnnnet.  
clu.edu

**Coles Peter**  
Astronomy Unit  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5481  
☎ 44 181 981 9587  
✉ pcoles@uk.ac.qmw.  
starlink

**Colgate Stirling A**  
LANL  
MS B275  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 2897  
☎ 1 505 665 4055

**Colic Petar-Kasimir**  
Hvar Observ  
Fac Geodesy  
Kacicjeva 26  
HR 10000 Zagreb  
Croatia  
☎ 385 1 456 1222  
☎ 385 1 445 410  
✉ kresimir.colic@public.  
srce.hr

**Colin Jacques**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
☎ 33 5 56 40 4251

**Colin Pedro**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653  
✉ colin@astroscu.  
unam.mx

**Collados Manuel**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Colless Matthew**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 798 030  
☎ 61 262 490 233/0260  
✉ colless@mso.anu.  
edu.au

**Collin-Souffrin Suzy**  
Observ Paris Meudon  
DAEC  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7967  
☎ 33 1 45 07 7469

**Collins George W II**  
Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 422 5467  
☎ 1 614 292 2928

**Colomb Fernando R**  
IAR  
CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 254 909  
☎ 54 21 254 909  
✉ rcolomb@irna.edu.ar

**Colombi Stephane**  
Cita McLennan Labs  
Univ of Toronto  
60 St Georges St.  
Toronto ON M5S 1A1  
Canada  
☎ 1 416 978 1776  
☎ 1 416 978 3921  
✉ colombi@cita.utoronto.ca

**Colombo G**  
Istt Meccanica Appl  
Univ d Padova  
Via F Marzolo 9  
I 35122 Padova  
Italy  
☎ 39 49 66 1499  
☎ 39 49 875 9840



- Colomer Francisco**  
Observ Astronomico Nacional  
Apt 1143  
E 28800 Alcalá de Henares Spain  
☎ 34 1 885 5060  
☎ 34 1 885 5062  
✉ colomer@oan.es
- Coluzzi Regina**  
OAR  
Via d Parco Mellini 84  
I 00136 Roma  
Italy  
☎ 39 6 34 7056  
☎ 39 6 349 8236  
✉ coluzzi@astrmp.mporzio.astro.it
- Coma Juan Carlos**  
ROA  
Cecilio Pujazon 22-3 A  
E 11110 San Fernando Spain  
☎ 34 5 688 3548  
☎ 34 5 659 9366  
✉ ccgeneral@czvl.uca.es
- Comastri Andrea**  
Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 419  
☎ 39 51 259 407  
✉ comastri@astbo3.bo.astro.it
- Combes Francoise**  
Observ Paris  
DEMIRM  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2077  
☎ 33 1 40 51 2002  
✉ bottaro@obsprm.fr
- Combes Michel**  
Observ Paris  
PDT  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2157  
☎ 33 1 44 54 1804
- Combi Jorge Ariel**  
IAR  
CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 254 909  
☎ 54 21 254 909  
✉ combi@irma.edu.ar
- Combi Michael R**  
Space Physics Res Lb  
Univ of Michigan  
2455 Hayward St  
Ann Arbor MI 48109 2143 USA  
☎ 1 313 764 7226  
☎ 1 313 747 3083  
✉ combi@sprlc.spl.umich.edu
- Comins Neil Francis**  
Dpt Phys/Astronomy  
Univ of Maine  
Bennett Hall  
Orono ME 04469 USA  
☎ 1 207 581 1037
- Comoretto Giovanni**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 43 78540  
☎ 39 55 43 5939
- Comte Georges**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04 France  
☎ 33 4 91 95 9088  
☎ 33 4 91 62 1190
- Conconi Paolo**  
Osserv Astronomico d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy  
☎ 39 990 6412  
☎ 39 990 8492
- Condon James J**  
NRAO  
520 Edgemont Rd  
Charlottesville VA 22903 USA  
☎ 1 804 296 0322  
☎ 1 804 296 0278  
✉ jcondon@nrao.edu
- Conklin Edward K**  
2959 Kalaaui Av  
N 1004  
Honolulu HI 96815 USA
- Connes Janine**  
CIRCE  
BP 63  
F 91400 Orsay  
France  
☎ 33 1 69 28 7675
- Connes Pierre**  
Service Aeronomie  
BP 3  
F 91371 Verrieres Buisson  
France  
☎ 33 1 64 47 4277
- Connolly Leo Paul**  
Physics Dpt  
California State Univ  
5500 University Parkway  
San Bernardino CA 92407 USA  
☎ 1 714 880 5400
- Consider Suzanne**  
Observ Besancon  
41bis Av Observatoire  
BP 1615  
F 25010 Besancon Cdx  
France  
☎ 33 3 81 66 69 16  
☎ 33 3 81 66 6944  
✉ sc@obs-besancon.fr
- Consolmagnò Guy Joseph**  
Vatican Observ Res Gp  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721 USA  
☎ 1 520 621 7855  
☎ 1 520 621 1532  
✉ gjc@as.arizona.edu
- Contadakis Michael E**  
Dpt Geodesy/Survey  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 6134  
☎ 30 31 99 6408  
✉ kodadaki@eng.auth.gr
- Conti Peter S**  
JILA  
Univ of Colorado  
Campus Box 440  
Boulder CO 80309 0440 USA  
☎ 1 303 492 7789  
☎ 1 303 492 5235  
✉ pconti@jila
- Contopoulos George**  
Astronomy Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3211  
☎ 30 1 723 5122
- Conway John**  
Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5503  
☎ 46 31 772 5590  
✉ jonway@oso.chalmers.se
- Conway Robin G**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
☎ 44 147 757 1618
- Cook Alan H**  
Dpt Phys/Univ Cambridge  
The Master's Lodge  
Selwyn College  
Cambridge CB3 9DQ  
UK  
☎ 44 12 23 335 889  
☎ 44 12 23 335 837
- Cook John W**  
8032 Sleepy View Ln  
Springfield VA 22153 USA  
☎ 1 202 767 2161
- Cook Kem Holland**  
LLNL  
L 413  
Box 808  
Livermore CA 94551 9900 USA  
☎ 1 415 423 4634  
☎ 1 415 423 0238  
✉ kcook@llnl.gov
- Cooke B A**  
Dpt Phys/X-Ray Astron  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
☎ 44 116 250 182
- Cooke John Alan**  
Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 667 3221  
☎ 44 131 668 8356
- Cooper Timothy**  
ASSA  
Box 14740  
1623 Bredell  
South Africa  
☎ 27 11 967 2250  
☎ 27 11 929 4349  
✉ tpcoper@link.nis.za
- Coradini Angioletta**  
IAS  
Rep Planetologia  
Via d universita 11  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
☎ 39 6 2066 0188  
✉ coradini@saturn.ias.fra.cnr.it
- Corbally Christopher**  
Steward Observ  
Univ of Arizona  
Vatican Obs Res Gp  
Tucson AZ 85721 USA  
☎ 1 520 621 3225  
☎ 1 520 621 1532  
✉ corbally@as.arizona.edu
- Corbelli Edvige**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 43 78540  
☎ 39 55 43 5939  
✉ edvige@sisisfo.arcetri.astro.it

**Corbet Robin Henry D**  
NASA/GSFC  
Code 662  
Greenbelt MD 20771  
USA  
☎ 1 301 286 2851  
☎ 1 301 286 1684  
✉ corbet@lheamail.  
gsfc.naa.gov

**Corbin Thomas Elbert**  
USNO  
Astrometry Dpt  
3450 Massachusetts Av NW  
Washington DC 20392 5420  
USA  
☎ 1 202 653 1557  
☎ 1 202 762 1516  
✉ tec@sicon.usno.  
navy.mil

**Corcoran Michael Francis**  
NASA/GSFC  
Code 660 2  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5576  
☎ 1 301 286 1629  
✉ corcoran@barnegat.  
gsfc.nasa.gov

**Cordes James M**  
Astronomy Dpt  
Cornell Univ  
512 Space Sc Bldg  
Ithaca NY 14853 6801  
USA  
☎ 1 607 256 3734  
☎ 1 607 255 1767

**Cordova France A D**  
NASA Headquarters  
MC AH  
600 Independence Av SW  
Washington DC 20546 0001  
USA  
☎ 1 202 358 1809  
☎ 1 202 358 2810  
✉ cordova@admiral@gw.  
hq.nasa.gov

**Corliss C H**  
Forest Hills Lab  
2955 Albemarle St NW  
Washington DC 20008  
USA  
☎ 1 202 362 6085

**Cornejo Alejandro A**  
INAOE  
Tonantzintla  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico  
☎ 52 2 247 2011  
☎ 52 2 247 2231

**Cornide Manuel**  
Dpt Astrofisica  
Fac Fisica  
Univ Complutense  
E 28040 Madrid  
Spain  
☎ 34 1 449 5316  
☎ 34 1 394 5195

**Cornille Marguerite**  
Observ Paris Meudon  
DARC  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7455  
☎ 33 1 45 07 7971

**Correia Emilia**  
CRAAE INPE  
EPUSP/PTR  
CP 61548  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 815 6289  
☎ 55 11 815 4272  
✉ ecorreia@brusp.ansp.br

**Corwin Harold G**  
CALTECH  
MS 100 22  
IPAC  
Pasadena CA 91125  
USA  
☎ 1 818 397 9537  
☎ 1 818 397 9600  
✉ hgcrj@ipac.caltech.edu

**Cosmovici Batalli C**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
☎ 39 6 2066 0188

**Costa Andrea**  
IAFE  
CC 67 Suc 28  
1428 Buenos Aires  
Argentina  
☎ 54 1 781 6755  
☎ 54 1 786 8114  
✉ costa@iafe.edu.ar

**Costa Edgardo**  
Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101  
☎ 56 2 229 4002

**Costa Enrico**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4004  
☎ 39 6 2066 0188  
✉ costa@saturn.ias.  
rm.cnr.it

**Costa Joaquim E R**  
CRAAE INPE  
EPUSP/PTR  
CP 61548  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 815 6289  
☎ 55 11 815 4272  
✉ jercosta@brusp.ansp.br

**Costa Victor**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
☎ 34 5 881 4530

**Costero Rafael**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3922  
☎ 52 5 616 0653  
✉ costero@astroscu.  
unam.mx

**Cotton William D**  
NRAO  
520 Edgemont Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 296 0319

**Cottrell Peter Ledsam**  
Dpt Phys/Astronomy  
Univ of Canterbury  
Private Bag 4800  
Christchurch 1  
New Zealand  
☎ 64 3 482 009  
☎ 64 3 364 2469  
✉ p.cottrell@csc.  
canterbury.ac.nz

**Couch Warrick**  
School of Physics  
UNSW  
BOX 1  
Kensington NSW 2033  
Australia  
☎ 61 2 385 4578  
☎ 61 6 268 8786  
✉ wjc@newt.phys.unsw.  
edu.au

**Couchman Hugh M P**  
Dpt Phys/Astronomy  
Univ W Ontario  
London ON N6A 3K7  
Canada  
☎ 1 519 661 3183  
☎ 1 519 661 2009

**Coulson Iain M**  
Joint Astronomy Ctr  
660 N A'ohoku Pl  
University Park  
Hilo HI 96720  
USA  
☎ 1 808 961 3756  
☎ 1 808 961 6516

**Counselman Charles C**  
Dpt Earth/Planet Sci  
MIT Rm 37 552  
Box 165  
Cambridge MA 02139  
USA  
☎ 1 617 253 7902  
☎ 1 617 253 7939  
✉ ccc@space.mit.edu

**Couper Heather Miss**  
Collins Cottage Lower Rd  
Loosley Row  
Bucks HP17 0PF  
UK

**Coupnot Gerard**  
OMP  
9 r Pont de La mouette  
F 65200 Bagneres Bigorre  
France  
☎ 33 5 62 95 1969  
☎ 33 5 62 95 1969

**Courtes Georges**  
LAS  
Traverse du Siphon  
Les Trois Luacs  
F 13376 Marseille Cdx 12  
France  
☎ 33 4 91 05 5900  
☎ 33 4 91 66 1855

**Courtin Regis**  
Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7729  
☎ 33 1 45 07 7469  
✉ courtin@obsprm.fr

**Courvoisier Thierry J.-L.**  
INTEGRAL  
Science Data Ctr  
16 Chemin Ecogia  
CH 1290 Versoix  
Switzerland  
☎ 41 22 950 9101  
☎ 41 22 950 9133  
✉ thierry.courvoisier@obs.  
unige.ch

**Cousins A W J**  
SAAO  
PO Box 9  
7935 Observatory  
South Africa  
☎ 27 21 47 0025  
☎ 27 21 47 3639

**Couteau Paul**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
☎ 33 4 92 00 3033

**Coutrez Raymond A J**  
Univ Brussels  
6 r Egide Bouvier  
B 1160 Brussels  
Belgium  
☎ 32 2 672 4802

**Coutts-Clement Christine**  
Astronomy Dpt  
Univ of Toronto  
60 St George St  
Toronto ON M5S 1A1  
Canada  
☎ 1 416 978 5186  
☎ 1 416 978 3921

- Couturier Pierre**  
CFHT Corp  
Box 1597  
Kamuela HI 96743  
USA  
☎ 1 808 885 7944  
① 1 808 885 7288
- Covington Arthur E**  
15 Forest Dr  
Kingston ON K7L 4L1  
Canada
- Covino Elvira**  
Osserv d Capodimonte  
Via Moiarriello 16  
I 80131 Napoli  
Italy  
☎ 39 81 557 5537  
① 39 81 45 6710  
✉ covino@astrna.na.  
astro.it
- Cowan John J**  
Dpt Phys/Astronomy  
Univ of Oklahoma  
Norman OK 73019  
USA  
☎ 1 405 325 3961  
① 1 405 325 7557
- Cowie Lennox Lauchlan**  
Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 8566  
① 1 808 956 8312  
✉ cowie@uhifa.ifa.  
hawaii.edu
- Cowley Anne P**  
Physics Dpt  
Arizona State Univ  
Astronomy Program  
Tempe AZ 85287 1504  
USA  
☎ 1 602 965 2919  
① 1 605 965 7954
- Cowley Charles R**  
Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 764 3437  
① 1 313 764 2211
- Cowsik Ramanath**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 219 111  
① 91 22 215 2110
- Cox Arthur N**  
LANL  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 7648  
① 1 505 665 4055
- Cox Donald P**  
Astronomy Dpt  
Univ Wisconsin  
475 N Charter St  
Madison WI 53706 1582  
USA  
☎ 1 608 262 5916  
① 1 608 263 0361
- Cox Pierre**  
IAS  
Bt 121  
Universite Paris XI  
F 91405 Orsay Cdx  
France  
☎ 33 1 69 85 8737/8513  
① 33 1 69 85 8675  
✉ cox@iaslab.ias.fr
- Coyne George V**  
Direttore della Specola  
Vaticana  
I 00120 Citta del Vaticano  
Vatican City State  
☎ 39 6 698 3411/5266  
① 39 6 698 84671  
✉ gcoyne@as.arizona.edu
- Crabtree Dennis**  
NRCC/HIA  
DAO  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 388 0025  
① 1 250 363 0045  
✉ crabtree@dao.nrc.ca
- Craig Ian Jonathan D**  
Applied Maths Dpt  
Univ of Waikato  
Private Bag  
Hamilton  
New Zealand  
☎ 64 62889
- Craine Eric Richard**  
Western Res Co  
2127 E Speedway  
Suite 209  
Tucson AZ 85719  
USA  
☎ 1 520 325 4505  
① 1 520 327 1388  
✉ craine@noao.edu
- Cram Lawrence Edward**  
School of Physics  
UNSW  
Sydney NSW 2006  
Australia  
☎ 61 2 9351 2537  
① 61 2 9660 2903  
✉ L.Cram@physics.usyd.  
edu.au
- Cramer Nell**  
School of Physics  
UNSW  
Sydney NSW 2006  
Australia  
☎ 61 2 692 3162  
① 61 2 9660 2903
- Cramer Noel**  
Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauverny  
Switzerland  
☎ 41 22 755 2611  
① 41 22 755 3983  
✉ noel.cramer@obs.  
unige.ch
- Crampton David**  
NRCC/HIA  
DAO  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 363 0010  
① 1 250 363 0045  
✉ david@crampton.hia.  
nrc.ca
- Crane Patrick C**  
Interferometrics Inc  
8928 Cottongrass St  
Waldorf MA 20603 4952  
USA  
☎ 1 202 404 1506  
① 1 202 767 5636  
✉ crane@susim.nri.navy.mil
- Crane Philippe**  
ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 897 920 98  
① 49 893 202 362
- Crannell Carol Jo**  
NASA GSFC  
Code 682  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5007  
① 1 301 286 1617
- Crawford David L**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 318 8346  
① 1 520 318 8360  
✉ dcrawford@noao.edu
- Crawford Ian Andrew**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050\*3498  
① 44 171 380 7145  
✉ iac@star.ucl.ac.uk
- Crenshaw Daniel Michael**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 0871  
① 1 301 286 1752
- Creze Michel**  
IUP Vannes  
8 r Montaigne  
BP 561  
F 56017 Vannes Cdx  
France  
☎ 33 2 97 46 3145  
① 33 2 97 46 3176  
✉ creze@iu-vannes.fr
- Crifo Francoise**  
Observ Paris Meudon  
DASGAL  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7834  
① 33 1 45 07 7878  
✉ francoise.crifo@obspm.fr
- Cristaldi Salvatore**  
Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 21111  
① 39 95 33 0592
- Cristescu Cornelia G**  
Astronomical Institute  
Romanian Acad Sciences  
Cutitul de Argint 5  
RO 75212 Bucharest  
Rumania  
☎ 40 1 641 3686  
① 40 1 312 3391
- Cristiani Stefano**  
Dpt Astronomia  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
① 39 49 875 9840
- Crivellari Luccio**  
OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 31 99255  
① 39 40 30 9418
- Crocker Deborah Ann**  
Dpt Phys/Astronomy  
Univ of Alabama  
Box 870324  
Tuscaloosa AL 35387 0324  
USA  
☎ 1 205 348 3758  
① 1 205 348 5051  
✉ crock@kudzu.astr.ua.edu
- Croom David L**  
Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 44 5808  
① 44 12 35 44 5808

**Crotts Arlin Pink**  
Astronomy Dpt  
Columbia Univ  
538 W 120th St  
New York NY 10027  
USA  
☎ 1 212 854 7899  
① 1 212 316 9504  
✉ arlin@eureka.  
columbia.edu

**Crovisier Jacques**  
Observ Paris Meudon  
ARPEGES  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7599  
① 33 1 45 07 7939  
✉ crovisie@obsppm.fr

**Crowther Paul**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050 \*3474  
① 44 171 380 7145  
✉ pac@star.ucl.ac.uk

**Cruikshank Dale P**  
NASA/ARC  
MS 245 6  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 604 4244  
① 1 415 604 6779  
✉ cruikshank@ssa1.  
arc.nasa.gov

**Cruise Adrian Michael**  
Rutherford Appleton Lab  
Chiltonbolton Observ  
Ditton Park  
Slough SL3 9JX  
UK

**Crutcher Richard M**  
Dpt Astron/Physics  
Univ of Illinois  
1011 W Springfield Av  
Urbana IL 61801  
USA  
☎ 1 217 333 9581  
① 1 217 244 7638

**Cruvellier Paul E**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 10 7482  
① 33 4 91 10 7484  
✉ igrap@obmara.cnrs-mrs.fr

**Cruz-Gonzalez Irene**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
① 52 5 616 0653

**Cruzalesbes Pierre**  
OCA  
Dpt Fresnel  
Av Copernic  
F 06130 Grasse  
France  
☎ 33 4 93 40 5329  
① 33 4 93 40 5333  
✉ cruzalesbes@obs-azur.fr

**Csada Imre K**  
Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
① 36 1 275 4668

**Cubarsi Rafael**  
Dpt Mat Aplicada  
U P Cataluna  
Box 30002  
E 08080 Barcelona  
Spain  
☎ 34 3 401 6799  
① 34 3 401 6801  
✉ matrcm@mat.upc.es

**Cudaback David D**  
Radio Astronomy Lab  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720  
USA  
☎ 1 415 642 5724  
① 1 415 642 6424  
✉ cudaback@bkyst.  
berkeley.edu

**Cudworth Kyle McCabe**  
Yerkes Observ  
Univ of Chicago  
Box 258  
Williams Bay WI 53191  
USA  
☎ 1 414 245 5555  
① 1 414 245 9805  
✉ kmc@yerkes.uchicago.edu

**Cuffey J**  
Dpt Earth Sci/Astron  
New Mexico State Univ  
University Park NM 88001  
USA

**Cugier Henryk**  
Astronomical Institute  
Wroclaw Univ  
Ul Kopernika 11  
PL 51 622 Wroclaw  
Poland  
☎ 48 71 372 9373/74  
① 48 71 372 9378

**Cugnon Pierre**  
Koninklijke Sterrenwacht  
van Belgie  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0276  
① 32 2 374 9822  
✉ pierre.cugnon@oma.be

**Cugusi Leonino**  
Dpt Scienze Fisiche  
Univ d Cagliari  
Via Ospedale 72  
I 09100 Cagliari  
Italy  
☎ 39 70 66 4770  
① 39 70 72 5425

**Cui Douxing**  
Changchun Artificial  
Satellite Observ  
Box 1067  
Changchun 130117  
China PR  
☎ 86 42859

**Cui Shizhu**  
Beijing Planetarium  
138 Xi Wai St  
Beijing 100044  
China PR  
☎ 86 1 683 10804  
① 86 10 683 53003/652 42246

**Cui Xiangqun**  
Ctr for Astronomy  
Instrument Res  
CAS  
Nanjing 210042  
China PR  
☎ 86 25 540 5562  
① 86 25 540 5562  
✉ xcui@public1.ptt.js.cn

**Cui Zhenhua**  
Beijing Planetarium  
138 Xi Wai St  
Beijing 100044  
China PR  
☎ 86 1 683 61691  
① 86 10 683 53003

**Culhane Leonard**  
Mullard Space Science Lab  
Univ College London  
Holmbury St Mary  
Dorking Surrey RH5 6NT  
UK  
☎ 44 14 83 274 111  
① 44 14 83 278 312  
✉ jlc@mssl.ulc.uk

**Cullum Martin**  
ESO  
Karl Schwarzschildstr 2  
D 85740 Garching  
Germany  
☎ 49 893 200 60  
① 49 893 202 362  
✉ mcullum@eso.org

**Culver Roger Bruce**  
Dpt Physics  
Colorado State Univ  
Fort Collins CO 80523  
USA  
☎ 1 303 491 6206

**Cunha Katia**  
Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 7181  
① 55 21 580 7181  
✉ katia@on.br

**Cuntz Manfred**  
CSPAR  
Univ of Alabama  
Huntsville AL 35899  
USA  
☎ 1 205 895 6660

**Cuny Yvette J**  
Observ Paris Meudon  
DASGAL  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7838  
① 33 1 45 07 7971

**Cuperman Sami**  
Dpt Phys/Astronomy  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 42021/425 697  
① 972 3 640 8179

**Curiel Salvador**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
① 52 5 616 0653  
✉ scuriel@astroscu.  
unam.mx

**Curir Anna**  
Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9002  
① 39 11 461 9030  
✉ curir@astro2.infn.it

**Currie Douglas G**  
Physics Dpt  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 6046  
① 1 301 314 9531  
✉ currie@hubble.physics.  
umd.edu

**Cutispoto Giuseppe**  
Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 21111  
① 39 95 33 0592

**Cuypers Jan**  
Koninklijke Sterrenwacht  
van Belgie  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0234  
① 32 2 374 9822  
✉ jan.cuypers@oma.be

**Czerny Bożena**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
☎ 48 22 410 046  
✉ bcz@camk.edu.pl

**Czerny Michał**  
Astronomy Dpt  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
☎ 44 113 252 2200

**Czyżak Stanley J**  
800 North Maple Av  
Fairborn OH 45324  
USA

## D

**D'Amico Flavio**  
INPE Astrophys Div  
Av dos Astronautas 1758  
Jardim d Granja  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 12 325 6745  
☎ 55 12 325 6750  
✉ damico@das.inpe.br

**D'Antona Francesca**  
Osserv Astronomico  
d Roma  
Via d osservatorio 5  
I 00040 Monteporzio  
Italy  
☎ 39 6 944 9019  
☎ 39 6 944 7243

**d'Hendecourt Louis**  
IAS  
Bt 121  
Universite Paris XI  
F 91405 Orsay Cdx  
France  
☎ 33 1 69 85 8640  
☎ 33 1 69 85 8675

**d'Odorico Sandro**  
ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 60  
☎ 49 893 202 362

**da Costa Antonio A**  
Inst Superior Tecnico  
Compl Interdisciplinar  
Av Rovisco Pais  
P 1096 Lisboa Codex  
Portugal  
☎ 351 1 3524 303  
☎ 351 1 3524 372

**Da Costa Gary Stewart**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 2 62 49 0236  
☎ 61 26 249 0233  
✉ gdc@mso.anu.edu.au

**da Costa Jose Marques**  
INPE  
Dpt Astronomia  
CP 515  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 123 22 9977  
☎ 55 123 21 8743

**da Costa Luiz A N**  
Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 7181  
☎ 55 21 580 0332  
✉ lndc@lnccvm

**da Rocha Vieira E**  
R Sao Manoel 315/501  
90620 110 Porto Alegre RS  
Brazil  
✉ secret@lna.br

**da Silva A V C S**  
Observ Astronomico  
Univ Coimbra  
Caixa Postal 147  
P 3002 Coimbra  
Portugal  
☎ 351 3 981 4947

**da Silva Licio**  
Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 7313  
☎ 55 21 580 0332

**Dachs Joachim**  
im Schoenblick 57  
D 72076 Tuebingen  
Germany

**Dadaev Aleksandr N**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
☎ 7 812 315 1701

**Dadhich Naresh**  
IUCAA  
PO Box 4  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 351 414/5  
☎ 91 212 350 760  
✉ root@iucaa.ernet.in

**Dadic Zarko**  
Zavod Za Povijest  
Znanosti Jazu  
Ante Kovacica 5  
HR 10000 Zagreb  
Croatia  
☎ 385 41 440 124

**Dagkesamansky Rustam D**  
Lebedev Physical Inst  
Acad Sciences  
Leninsky Pspt 53  
117924 Moscow  
Russia  
☎ 7 095 135 1429  
☎ 7 095 135 7880

**Dahn Conard Curtis**  
USNO  
Flagstaff Station  
Box 1149  
Flagstaff AZ 86002 1149  
USA  
☎ 1 520 779 5132  
☎ 1 520 774 3626  
✉ cdahn@nfs.navy.mil

**Dai Zigao**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 321 5880  
☎ 86 25 332 6467  
✉ postcsd@nju.edu.cn

**Daigne Gerard**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
☎ 33 5 56 40 4251  
✉ daigne@observ.  
u-bordeaux.fr

**Daintree Edward J**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
☎ 44 147 757 1618

**Daishido Tsuneaki**  
Dpt Science  
Waseda Univ  
Shinjuku Ku  
Tokyo 160  
Japan  
☎ 81 220 34 141

**Dalgarno Alexander**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 4403  
☎ 1 617 495 7356  
✉ dalgarno@cfa

**Dall'Oglio Giorgio**  
Dpt Fisica  
Univ d Roma  
Pl A Moro 2  
I 00185 Roma  
Italy  
☎ 39 6 49 91 4271  
☎ 39 6 495 7697

**Dallaporta N**  
Dpt Astronomia  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
☎ 39 49 875 9840

**Daltabuit Enrique**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653

**Daly Ruth Agnes**  
Physics Dpt  
Princeton Univ  
Princeton NJ 08544 1001  
USA  
☎ 1 609 258 4413  
☎ 1 609 258 6853  
✉ daly@puppeg.  
princeton.edu

**Damineli Neto Augusto**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
☎ 55 11 276 3848

**Damle S V**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 495 2311  
☎ 91 22 495 2110

**Dan Xhixiang**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
☎ 86 21 6438 4618

**Danby J M Anthony**  
Mathematics Dpt  
N Carolina State Univ  
Raleigh NC 27695 8205  
USA

☎ 1 919 737 3210

**Danese Luigi**  
Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy

☎ 39 49 829 3411  
☎ 39 49 875 9840

**Danezis Emmanuel**  
Astrophysics Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece

☎ 30 1 724 3414  
☎ 30 1 723 5122

**Danford Stephen C**  
Dpt Phys/Astronomy  
Univ N Carolina  
At Greensboro  
Greenboro NC 27412  
USA

☎ 1 919 334 5669  
✉ danford@uncg.edu

**Daniel Jean-Yves**  
IAP

98bis bd Arago  
F 75014 Paris  
France

☎ 33 1 44 32 8147  
☎ 33 1 44 32 8001

**Danilov Vladimir M**  
Astronomy Dpt  
Uralskij State Univ  
Lenin Pr 51  
629983 Sverdlovsk  
Russia

☎ 7 343 222 3386  
☎ 7 343 222 3386

**Danks Anthony C**  
1315 Peachtree Ct  
Bowie MD 20721  
USA

☎ 1 301 249 8206

**Danly Laura**

STSci  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA

☎ 1 301 338 4422  
☎ 1 301 338 5090  
✉ danly@stsci.edu

**Danziger I John**

ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany

☎ 49 893 200 60  
☎ 49 893 202 362

**Dapergolas A**

Astronomical Institute  
Ntl Observ Athens  
Box 20048  
GR 118 10 Athens  
Greece

☎ 30 1 346 1191  
☎ 30 1 804 0453  
✉ adaperg@astro.noa.gr

**Dappen Werner**

Dpt Phys/Astronomy  
USC  
Los Angeles CA 90089 1342  
USA

☎ 1 213 740 1316  
☎ 1 213 740 6653  
✉ wdappen@solar.  
stanford.edu

**Dara Helen**

Res Ctr Astronomy  
Acad Athens  
14 Anagnostopoulou St  
GR 106 73 Athens  
Greece

☎ 30 1 361 3589  
☎ 30 1 363 1606  
✉ exakazo@grathun1

**Das Mrinal Kanti**

Physics Dpt/Delhi Univ  
Sri Venkateswara College  
Dhaura Kuan  
New Delhi 110 021  
India

**Das P K**

IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India

☎ 91 80 356 6585  
☎ 91 80 553 4043

**Datlowe Dayton**

Lockheed Palo Alto Res Lb  
Dpt 91 20 Bg 255  
3251 Hanover St  
Palo Alto CA 94304 1191  
USA

☎ 1 415 858 4074  
☎ 1 415 424 3994

**Datta Bhaskar**

IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India

☎ 91 80 356 6585/6497  
☎ 91 80 553 4043

**Daube-Kurzweilne I A**

Radioastrophys Observ  
Latvian Acad Sci  
Turgeneva 19  
LV 226524 Riga  
Latvia

☎ 371 722 6796

**Dautcourt G**

MPI Gravitational Physik  
Albert Einstein Inst  
Schlaatzweg 1  
D 14473 Potsdam  
Germany

☎ 49 331 275 3731  
☎ 49 331 275 3798  
✉ dau@aei-potdam.  
mpg.de

**David Laurence P**

CfA  
HCO/SAO MS 4  
60 Garden St  
Cambridge MA 02138 1516  
USA

☎ 1 617 495 7245  
☎ 1 617 495 7356  
✉ david@cfa

**David Marc**

Astrophysics Res Gr  
Univ Ctr Antwerpen  
Groenenborgerlaan 171  
B 2020 Antwerpen  
Belgium

☎ 32 3 218 0355  
☎ 32 3 218 0204  
✉ david@ruca.ua.ac.be

**Davidge Timothy J**

NRCC/HIA  
DAO  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada

☎ 1 250 363 0047  
☎ 1 250 363 0045  
✉ davidge@dao.nrc.ca

**Davidson Arthur Faines**

Dpt Phys/Astronomy  
JHU  
Charles/34th St  
Baltimore MD 21218  
USA

☎ 1 301 516 7370  
☎ 1 301 516 8260  
✉ afd@pha.jhu.edu

**Davidson Kris**

School Phys/Astronomy  
Univ Minnesota  
116 Church St SE  
Minneapolis MN 55455  
USA

☎ 1 612 373 7795  
☎ 1 612 624 2029  
✉ kd@aps2.spa.  
umn.edu

**Davidson William**

80 West Close  
Fernhurst Haslemere  
Surrey GU27 3JT  
UK

**Davies Merton E**

The Rand Corp  
1700 Main St  
Santa Monica CA 90406  
USA

☎ 1 310 393 0411\*7428  
☎ 1 310 451 6960  
✉ davies@hyrax.rand.org

**Davies Paul Charles W**

School of Physics  
Univ of Newcastle  
Newcastle/Tyne NE1 7RU  
UK

☎ 44 191 222 7411  
☎ 44 191 261 1182

**Davies Rodney D**

NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK

☎ 44 14 777 1321  
☎ 44 147 757 1618  
✉ rdd@jb.man.ac.uk

**Davies Roger L**

Physics Dpt  
Univ of Durham  
South Rd  
Durham DH1 3LE  
UK

☎ 44 191 374 2000  
☎ 44 191 374 3749

**Davila Joseph**

4927 Pale Orchis Ct  
Columbia MD 21044  
USA

☎ 1 301 286 8366

**Davis John**

School of Physics  
UNSW  
A28  
Sydney NSW 2006  
Australia

☎ 61 2 692 2544  
☎ 61 2 660 2903  
✉ davis@physics.  
su.oz.au

**Davis Jonathan Ivor**

Dpt Phys/Astronomy  
Univ Wales College  
Box 913  
Cardiff CF2 3YB  
UK

☎ 44 12 22 874 458  
☎ 44 12 22 874 056  
✉ jjd@astro.cf.ac.uk

**Davis Marc**

Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA

☎ 1 415 642 5156  
☎ 1 510 642 3411  
✉ marc@coma.  
berkeley.edu

**Davis Michael M**

Arecibo Observ  
Box 995  
Arecibo PR 00613  
USA

☎ 1 809 878 2612  
☎ 1 809 878 1861  
✉ mdavis@naic.edu

**Davis Morris S**

Dpt Phys/Astronomy  
Univ North Carolina  
204 Phillips Hall 039a  
Chapel Hill NC 27514  
USA

☎ 1 919 962 7214  
☎ 1 919 962 0480

**Davis Richard J**

NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK

☎ 44 14 777 1321  
☎ 44 147 757 1618

**Davis Robert J**

Cfa  
HCO/SAO MS 20  
60 Garden St  
Cambridge MA 02138 1516  
USA

☎ 1 617 496 7906  
☎ 1 617 495 7356  
✉ rdavis@cfa.harvard.edu

**Davis Sumner P**

Physics Dpt  
Univ of California  
366 LeConte Hall  
Berkeley CA 94720  
USA

☎ 1 415 642 4857  
☎ 1 510 642 3411

**Davis Cecil G**

LANL  
Group P 23 H 803  
Box 1663  
Los Alamos NM 87545 2345  
USA

☎ 1 505 667 5908  
✉ cgi@lanl.gov

**Davis Leverett**

1772 N Grand Oaks Av  
Altadena CA 91001  
USA

**Davoust Emmanuel**

OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France

☎ 33 5 61 33 2868  
☎ 33 5 61 33 2840  
✉ davoust@obs-mip.fr

**Dawanas Djoni N**

Astronomy Dpt  
Bandung Insit Techn  
Jl Ganesha 10  
Bandung 40132  
Indonesia

☎ 62 22 244 0252  
☎ 62 22 243 8338

**Dawe John Alan**

ANU  
SSO  
Private Bag  
Coonabarabran NSW 2857  
Australia

☎ 61 68 426 221

**Dawson Bruce**

Dpt Physics/  
Math Physics  
Univ Adelaide  
Adelaide SA 5005  
Australia

☎ 61 8 8303 5996  
☎ 61 8 8303 4380  
✉ bdawson@physics.  
adelaide.edu.au

**Dawson Peter**

Physics Dpt  
Trent Univ  
Peterborough K9J 1B8  
Canada

☎ 1 705 748 1225  
✉ pdawson@trentu.ca

**de Almeida Amaury A**

IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil

☎ 55 11 577 8599\*38  
☎ 55 11 276 3848

**de Araujo Francisco X**

Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil

☎ 55 21 580 0235  
☎ 55 21 580 0332  
✉ userfxa@lncc

**de Bergh Catherine**

Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France

☎ 33 1 45 07 7666  
☎ 33 1 45 07 2806  
✉ debergh@obspm.fr

**de Biase Giuseppe A**

OAR  
Via d Parco Mellini 84  
I 00136 Roma  
Italy

☎ 39 6 34 7056  
☎ 39 6 349 8236

**de Boer Klaas Sjoerds**

Astronomisches Institut  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany

☎ 49 228 73 3656  
☎ 49 228 73 3672  
✉ kdeboer@astro.uni-  
bonn.de

**de Bruyn A Ger**

NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands

☎ 31 521 59 5100  
☎ 31 52 159 7332

**de Carvalho Reinaldo**

Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil

☎ 55 21 580 7181  
☎ 55 21 580 0332  
✉ reinaldo@maxwell.on.br

**de Castro Angel**

Observ Astronomico  
Nacional  
Alfonso XII-3  
E 28014 Madrid  
Spain

☎ 34 1 227 1935

**de Castro Elisa**

Dpt Astrofisica  
Fac Fisica  
Univ Complutense  
E 28040 Madrid  
Spain

☎ 34 1 449 5316  
☎ 34 1 394 5195

**De Cuyper Jean-Pierre M**

Koninklijke Sterrenwacht  
van Belgie  
Ringlaan 3  
B 1180 Brussels  
Belgium

☎ 32 2 373 0222  
☎ 32 2 374 9822  
✉ Jean-Pierre.DeCuyper@  
oma.be

**de Felice Fernando**

Dpt Fisica G Galilei  
Univ d Padova  
Via Marzolo 8  
I 35131 Padova  
Italy

☎ 39 49 84 4278  
☎ 39 49 84 4245

**de Frees Douglas J**

IBM Almaden Res Cent  
Dpt K 84/801  
650 Harry Rd  
San Jose CA 95120 6099  
USA

☎ 1 408 927 2854  
☎ 1 408 927 2100  
✉ defrees@almvma

**de Freitas Pacheco J A**

IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil

☎ 55 21 717 3518  
☎ 55 11 276 3848

**De Garcia Maria J M**

Dpt Fisica Aplicada  
Ronda de Valencia 3  
E 28012 Madrid  
Spain

☎ 34 1 336 7686  
☎ 34 1 530 9244

**de Geus Eugene**

Kluwer Academic Publishers  
Science/Technology Div  
Box 17  
NL 3300 AA Dordrecht  
Netherlands

☎ 31 78 639 2315  
☎ 31 78 639 2254  
✉ eugene.degeus@wkap.nl

**de Gouveia Dal Pino E M**

IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil

☎ 55 11 577 8599  
☎ 55 11 276 3848  
✉ dalpino@astro2.iagusp.  
usp.br

**de Graaff W**

Appelgaarde 117  
NL 3992 JD Houten  
Netherlands

**de Graauw Th**

SRON  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands

☎ 31 50 363 4074  
☎ 31 50 363 4033  
✉ thijsdg@srn.rug.nl

**de Greiff J Arias**

Observ Astronomico Ncl  
Apdo 2584  
Bogota 1 DE  
Columbia

☎ 57 1 342 3786  
☎ 57 1 342 3786  
✉ felicias@fcaglp.  
edu.ar

**de Greve Jean-Pierre**

Astrofysisch Inst  
Vrije Univ Brussel  
Pleinlaan 2  
B 1050 Brussels  
Belgium

☎ 32 2 629 3498  
☎ 32 2 629 3424  
✉ jpdgreve@vnet3.  
vub.ac.be

**de Groot Mart**

Armagh Observ  
College Hill  
Armagh BT61 9DG  
UK

☎ 44 18 61 522 928  
☎ 44 18 61 527 174

**de Groot T**

Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands

☎ 31 30 253 5200  
☎ 31 30 253 1601



**de Jager Cornelis**  
SRON  
Postbus 800  
Sorbonnelaan 2  
NL 3584 CA Utrecht  
Netherlands  
☎ 31 30 253 5723  
☎ 31 30 254 0860  
✉ xmkeesj@nutruuo

**de Jager Gerhard**  
Electrical Eng Dpt  
Univ of Cape Town  
Private Bag  
7700 Rondebosch  
South Africa  
☎ 27 21 650 2791  
☎ 27 21 650 3465  
✉ gerhard@eleceng.  
uct.ac.za

**de Jager Ocker C**  
Physics Dpt  
Potchefstroom Univ  
for CHE  
2520 Potchefstroom  
South Africa  
☎ 27 148 299 2418  
☎ 27 148 299 2421

**de Jong Teije**  
Astronomical Institute  
Univ of Amsterdam  
Kruislaan 403  
NL 1098 SJ Amsterdam  
Netherlands  
☎ 31 20 525 7491  
☎ 31 20 525 7484  
✉ teije@sron.rug.nl

**de Jonge J K**  
Astronomy Dpt  
Univ of Pittsburgh  
Riverview Park  
Pittsburgh PA 15214  
USA  
☎ 1 215 898 8176  
☎ 1 215 898 9336

**de Kool Marthijn**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 3221  
☎ 49 893 299 3235  
✉ dekool@mpa-garching.  
mpg.de

**de Korte Pieter A J**  
SRON  
Postbus 800  
Sorbonnelaan 2  
NL 3584 CA Utrecht  
Netherlands  
☎ 31 30 253 5600  
☎ 31 30 254 0860

**de La Herran Jose V**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653

**de la Noe Jerome**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
☎ 33 5 56 40 4251

**de la Reza Ramiro**  
Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 7313  
☎ 55 21 580 0332

**de Lapparent-Gurriet Valerie**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8188  
☎ 33 1 44 32 8001  
✉ lapparen@iap.fr

**de Loore Camiel**  
Astrofysisch Inst  
Vrije Univ Brussel  
Pleinlaan 2  
B 1050 Brussels  
Belgium  
☎ 32 2 629 3497  
☎ 32 2 629 3424

**de Martino Domitilla**  
Osserv d Capodimonte  
Via Motariello 16  
I 80131 Naples  
Italy  
☎ 39 81 557 5111  
☎ 39 81 45 6710  
✉ demartino@astrn.  
na.astro.it

**de Medeiros Jose Renan**  
Dpt Fisica/CCE/UFRN  
Univ Federal  
Do Rio Grande d Norte  
59072 970 Natal RN  
Brazil  
☎ 55 84 231 9586  
☎ 55 84 231 9749  
✉ renan@dfte.ufrn.br

**de Pascual Martinez M**  
Observ Astronomico  
Nacional  
Alfonso XII-3/5  
E 28014 Madrid  
Spain  
☎ 34 1 227 0107

**de Pater Imke**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 415 642 1947  
☎ 1 510 642 3411

**de Robertis M M**  
Physics Dpt  
York Univ  
4700 Keele St  
North York ON M3J 1P3  
Canada  
☎ 1 416 736 2100\*7761  
☎ 1 416 736 5386  
✉ fs300141@yusol

**de Rop Yves**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
☎ 32 4 254 7511  
✉ derop@astro.ulg.  
ac.be

**de Ruiten Hans Rudolf**  
Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 422  
☎ 39 51 259 407  
✉ deruiten@astbo3.bo.  
astro.it

**de Sabbata Vittorio**  
Istt d Fisica  
Univ d Bologna  
Via Irnerio 46  
I 40126 Bologna  
Italy  
☎ 39 51 26 0991\*051

**de San Francisco Eiroa C**  
Dpt Fisica Teorica  
Fac Ciencias  
UAM Cantoblanco  
E 28049 Madrid  
Spain  
☎ 34 91 397 5567  
☎ 34 91 397 3936  
✉ carlos@xiada.ft.  
uam.es

**de Sanctis Giovanni**  
Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9000  
☎ 39 11 461 9030

**de Silva L N K**  
Mathematics Dpt  
Univ of Colombo  
Colombo 3  
Sri Lanka

**de Souza Ronaldo**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
☎ 55 11 276 3848

**de Vegt Chr**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407252 4128/4112  
☎ 49 407 252 4198  
✉ cdevegt@hs.uni-hamburg.de

**de Vicente Pablo**  
Observ Astronomico  
Nacional  
Apt 1143  
E 28800 Alcala d Henares  
Spain  
☎ 34 1 885 5060  
☎ 34 1 885 5062  
✉ vicente@cay.oan.es

**de Vincenzi Donald**  
NASA/ARC  
MS 245 1  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 604 5028  
☎ 1 415 604 6779

**de Vries Cornelis**  
SRON  
Postbus 800  
Sorbonnelaan 2  
NL 3584 CA Utrecht  
Netherlands  
☎ 31 30 253 5600  
☎ 31 30 254 0860  
✉ C.deVries@sron.ruu.nl

**de Young David S**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
☎ 1 520 318 8360  
✉ deyoung@noao.edu

**de Zeeuw Pieter T**  
Rijksuniversiteit te  
Huygens Lab  
Box 9504  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5879/5832  
☎ 31 71 527 5819  
✉ tim@strw.leidenuniv.nl

**de Zotti Gianfranco**  
Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3444  
☎ 39 49 875 9840  
✉ dezotti@astrpd.pd.astro.it

**Dearborn David Paul K**  
LLNL  
L 22  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 415 423 0666  
☎ 1 415 423 0238  
✉ ddearborn@llnl.gov

**Debarbat Suzanne V**  
 Observ Paris  
 DANOF  
 61 Av Observatoire  
 F 75014 Paris  
 France  
 ☎ 33 1 40 51 2209  
 ① 33 1 43 54 1804  
 ✉ debarbat@danof.  
 obspm.fr

**Debehogne Henri Sc**  
 Koninklijke Sterrenwacht  
 van België  
 Ringlaan 3  
 B 1180 Brussels  
 Belgium  
 ☎ 32 2 373 0212  
 ① 32 2 374 9822  
 ✉ henri.debehogne@  
 oma.be

**Debrunner Hermann**  
 Physikalisches Institut  
 Univ Bern  
 Sidlerstr 5  
 CH 3012 Bern  
 Switzerland  
 ☎ 41 31 65 4051

**Deeming Terence J**  
 Icarus Res  
 Box 540205  
 Houston TX 77254  
 USA  
 ☎ 1 713 772 8414

**Defraigne Pascale**  
 Koninklijke Sterrenwacht  
 van België  
 Ringlaan 3  
 B 1180 Brussels  
 Belgium  
 ☎ 32 2 373 0260  
 ① 32 2 374 9822  
 ✉ pascale.defraigne@  
 oma.be

**Degaonkar S S**  
 PRL  
 Navrangpura  
 Ahmedabad 380 009  
 India  
 ☎ 91 272 46 2129  
 ① 91 272 44 5292

**Degenhardt Detlev**  
 Rechenzentrum Univ  
 Hermann herder Str 10  
 D 79104 Freiburg Breisgau  
 Germany  
 ☎ 49 761 203 4648  
 ① 49 761 203 4643  
 ✉ degenhar@ruf.de

**DeGioia-Eastwood Kathleen**  
 Dpt Phys/Astronomy  
 N Arizona Univ  
 Box 6010  
 Flagstaff AZ 86011 6010  
 USA  
 ☎ 1 520 523 7159  
 ① 1 520 523 1371  
 ✉ Kathy.Eastwood@  
 nau.edu

**Deguchi Shuji**  
 Nobeyama Radio Obs  
 NAOJ  
 Minamimaki Mura  
 Nagano 384 13  
 Japan  
 ☎ 81 267 98 2831  
 ① 81 267 98 2884

**Dehant Veronique**  
 Koninklijke Sterrenwacht  
 van België  
 Ringlaan 3  
 B 1180 Brussels  
 Belgium  
 ☎ 32 2 373 0266  
 ① 32 2 374 9822  
 ✉ veronique.dehant@  
 oma.be

**Deharveng Jean-Michel**  
 LAS  
 Traverse du Siphon  
 Les Trois Lucs  
 F 13376 Marseille Cdx 12  
 France  
 ☎ 33 4 91 05 5900  
 ① 33 4 91 66 1855  
 ✉ jmd@frlasm51

**Deharveng Lise**  
 Observ Marseille  
 2 Pl Le Verrier  
 F 13248 Marseille Cdx 04  
 France  
 ☎ 33 4 91 95 9088  
 ① 33 4 91 62 1190

**Dehghani Mohammad Hossein**  
 Physics Dpt  
 Shiraz 71454  
 Iran  
 ☎ 98 71 24609  
 ① 98 71 20 027  
 ✉ dehghani@physics.sci.  
 shirazu.ac.ir

**Deinzer W**  
 Univ Sternwarte  
 Goettingen  
 Geismarlandstr 11  
 D 37083 Goettingen  
 Germany  
 ☎ 49 551 395 044  
 ① 49 551 395 043

**Deiss Bruno M**  
 Inst Theor Physics  
 Univ Frankfurt  
 Robert Mayer Str 8-10  
 D 60054 Frankfurt A M  
 Germany  
 ☎ 49 69 798 2636  
 ① 49 69 798 8350  
 ✉ deiss@astro.uni-  
 frankfurt.d400.de

**Dejaiffe Rene J**  
 Koninklijke Sterrenwacht  
 van België  
 Ringlaan 3  
 B 1180 Brussels  
 Belgium  
 ☎ 32 2 373 0232  
 ① 32 2 374 9822  
 ✉ rene.dejaiffe@oma.be

**Dejonghe Herwig Bert**  
 Sterrekundig Observ  
 Universiteit Gent  
 Krijgslaan 281 S9  
 B 9000 Gent  
 Belgium  
 ☎ 32 92 64 4761  
 ① 32 92 64 4989  
 ✉ herwig.dejonghe@  
 rug.ac.be

**Dekel Avishai**  
 Physics Dpt  
 Hebrew Univ Jerusalem  
 Jerusalem 91904  
 Israel  
 ☎ 972 2 584 605  
 ① 972 2 61 1519

**Dekker E**  
 Meidoornlaan 13  
 NL 3461 ES Linschoten  
 Netherlands  
 ☎ 31 34 801 5406

**Del Olmo Orozco A**  
 Inst Astrofisica  
 Andalucia Apt 3004  
 Prof Albareda 1  
 E 18080 Granada  
 Spain  
 ☎ 34 5 812 1311  
 ① 34 5 881 4530  
 ✉ chony@iaa.es

**Del Rio Gerardo**  
 Observ Astronomico  
 Nacional  
 Alfonso XII-3  
 E 28014 Madrid  
 Spain  
 ☎ 34 1 227 0107/1935

**Del Toro Iniesta Jose**  
 IAC  
 Observ d Teide  
 via Lactea s/n  
 E 38200 La Laguna  
 Spain  
 ☎ 34 2 232 9100  
 ① 34 2 232 9117

**Delaboudiniere Jean-Pierre**  
 IAS  
 Bt 121  
 Universite Paris XI  
 F 91405 Orsay Cdx  
 France  
 ☎ 33 1 69 85 8625/8425  
 ① 33 1 69 85 8675

**Delannoy Jean**  
 IRAM  
 300 r La Piscine  
 F 38406 S Martin Heres Cdx  
 France  
 ☎ 33 4 76 42 3383  
 ① 33 4 76 51 5938

**Delbouille Luc**  
 Inst Astrophysique  
 Universite Liege  
 Av Coite 5  
 B 4000 Liege  
 Belgium  
 ☎ 32 4 254 7510  
 ① 32 4 254 7511  
 ✉ delbouil@astro.ulg.ac.be

**Delgado Antonio Jesus**  
 Inst Astrofisica  
 Andalucia Apt 3004  
 Prof Albareda 1  
 E 18080 Granada  
 Spain  
 ☎ 34 5 812 1300  
 ① 34 5 881 4530

**Deliyannis Constantine P**  
 Astronomy Dpt  
 Indiana Univ  
 Swain W 319  
 Bloomington IN 47405 4201  
 USA  
 ☎ 1 812 856 5197  
 ① 1 812 855 8725  
 ✉ con@thema.astro.  
 indiana.edu

**Deliyannis Jean**  
 Astrophysics Dpt  
 Ntl Univ Athens  
 Panepistimiopolis  
 GR 157 84 Zografos  
 Greece  
 ☎ 30 1 723 7924  
 ① 30 1 723 8413  
 ✉ jdeligia@atlas.uoa.  
 ariadne-t.gr

**Della Valle Massimo**  
 Dpt Astronomia  
 Univ d Padova  
 Vic d Osservatorio 5  
 I 35122 Padova  
 Italy  
 ☎ 39 49 829 3411  
 ① 39 49 875 9840

**Delmas Christian**  
 OCA  
 CERGA  
 F 06130 Grasse  
 France  
 ☎ 33 4 93 40 5353  
 ① 33 4 93 40 5333  
 ✉ delmas@obs-azur.fr

**Delsemme Armand H**  
 Dpt Phys/Astronomy  
 Univ of Toledo  
 2801 W Bancroft St  
 Toledo OH 43606  
 USA  
 ☎ 1 419 537 2654  
 ① 1 419 530 2723

**Demaret Jacques**  
 Inst Astrophysique  
 Universite Liege  
 Av Coite 5  
 B 4000 Liege  
 Belgium  
 ☎ 32 4 254 7510  
 ① 32 4 254 7511  
 ✉ demaret@astro.ulg.  
 ac.be

**Demarque Pierre**  
 Astronomy Dpt  
 Yale Univ  
 Box 208101  
 New Haven CT 06520 8101  
 USA  
 ☎ 1 203 432 3024  
 ① 1 203 432 5048  
 ✉ demarque@yalastro

**Demers Serge**  
Dpt d Physique  
Universite Montreal  
CP 6128 Succ A  
Montreal QC H3C 3J7  
Canada  
☎ 1 514 343 6718  
① 1 514 343 2071

**Demianski Marek**  
Inst Theor Physics  
Warsaw Univ  
Hoza 69  
PL 00 681 Warsaw  
Poland  
☎ 48 22 628 3031\* 245  
✉ mde@fuw.edu.pl

**Deming Leo Drake**  
NASA GSFC  
Code 693  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6519  
① 1 301 286 3271

**Demircan Osman**  
Astronomy Dpt  
Univ of Ankara  
Fen Fakultesi  
06100 Beşevler  
Turkey  
☎ 90 41 212 6720  
① 90 312 223 2395

**Demoulin Pascal**  
Observ Paris Meudon  
DASOP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7816  
① 33 1 45 07 7959  
✉ demoulin@obspm.fr

**Dempsey Robert C**  
STSCI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 1334  
① 1 301 338 4767  
✉ Dempsey@stsci.edu

**Deng Zupan**  
Graduate School  
Univ Sci/Techn  
Box 3908  
Beijing 100039  
China PR  
☎ 86 1 28 9461\*89

**Denis Carlo**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
① 32 4 254 7511  
✉ denis@astro.ulg.ac.be

**Denishchik Yuri**  
State Institute  
12 Naberezhnaya St  
B 114043  
349114 Alchevsk Lugansk r  
Ukraine  
☎ 380 6442 23159  
① 380 6442 22057  
✉ orion@dgmil.lugansk.ua

**Denisse Jean-Francois**  
48 r Mr Le Prince  
F 75006 Paris  
France  
☎ 33 1 43 29 4874

**Denissenkov Pavel**  
Astron Inst St Petersburg  
State Univ  
Bibliotchnaya Pl 2  
St Petersburg 198904  
Russia  
☎ 7 812 428 4162  
① 7 812 428 6649  
✉ dpa@aispbu.spb.su

**Denisyuk Edvard K**  
Astrophys Inst  
Kazakh Acad Sci  
480068 Alma Ata  
Kazakhstan  
☎ 7 62 4040

**Denizman Levent**  
Physics Dpt  
Univ of Istanbul  
University 34452  
34454 Istanbul  
Turkey  
☎ 90 212 522 3597  
① 90 212 519 0884  
✉ ik131@trium11

**Dennefeld Michel**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8116  
① 33 1 44 32 8001  
✉ dennefeld@aip.fr

**Dennis Brian Roy**  
NASA GSFC  
Code 682 2  
Greenbelt MD 20771  
USA  
☎ 1 301 286 7983  
① 1 301 286 1617  
✉ Brian.r.dennis@gsfc.nasa.gov

**Dennison Edwin W**  
985 Cynthia Av  
Pasadena CA 91107  
USA  
☎ 1 818 351 8751

**Dennison P A**  
Trinity Hall  
Univ of Cambridge  
Cambridge CB3  
UK

**Denoyelle Jozef Kic**  
Koninklijke Sterrenwacht  
van Belgie  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 376 6887  
① 32 2 374 9822  
✉ jozef.denoyelle@oma.be

**Dent William A**  
Dpt Phys/Astronomy  
Univ Massachusetts  
GRC B  
Amherst MA 01003  
USA  
☎ 1 413 545 3665

**Deprit Andre**  
NBS  
Applied Math Ctr  
Gaithersburg MD 20899  
USA  
☎ 1 301 921 2631  
✉ deprit@enh.nist.gov

**Dere Kenneth Paul**  
NRL  
Code 4163  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 2517

**Derman I Ethem**  
Astronomy Dpt  
Univ of Ankara  
Fen Fakultesi  
06100 Beşevler  
Turkey  
☎ 90 41 23 6550/0109  
① 90 312 223 2395

**Dermendjiev Vladimir**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
① 359 2 75 5019

**Dermer Charles Dennison**  
NRL  
EO Holburt Ctr Space Sci  
Code 7653  
Washington DC 20375 5352  
USA  
☎ 1 202 767 2965  
① 1 202 767 6473  
✉ dermer@osse.nrl.navy.mil

**Dermott Stanley F**  
Astronomy Dpt  
Univ of Florida  
224 SSRB  
Gainesville FL 32611  
USA  
☎ 1 904 392 2361  
① 1 904 392 9605  
✉ dermott@jupiter.astro.ufl.edu

**Desai Jyotindra N**  
PRL  
Navrangpura  
Room 763  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
① 91 272 44 5292

**Desesquelles Jean**  
Universite Lyon 1  
Campus La Doua  
43 bd 11 novembre  
F 69621 Villeurbanne  
France  
☎ 33 4 78 89 8124

**Deshpande Avinash RRI**  
Sadashivanagar  
CV Raman Av  
Bangalore 560 080  
India  
☎ 91 80 336 0122  
① 91 80 334 0492  
✉ desh@rri.ernet.in

**Deshpande M R**  
PRL  
Navrangpura  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
① 91 272 44 5292  
✉ mrd@prl.ernet.in

**Despain Keith Howard**  
LANL  
MS B220 X 2  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 2388  
① 1 505 665 4055

**Despois Didier**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
① 33 5 56 40 4251

**Detmar Ralf-Juergen**  
Astronomisches Institut  
Ruhr Univ Bochum  
Postfach 102148  
D 44780 Bochum  
Germany  
☎ 49 234 700 3454  
① 49 234 709 4169  
✉ detmar@astro.ruhr-uni-bochum.de

**Deubner Franz-Ludwig**  
Astronomisches Institut  
Univ Wuerzburg  
am Hubland  
D 97074 Wuerzburg  
Germany  
☎ 49 931 888 5030  
① 49 931 888 4603  
✉ deubner@astro.uni-wuerzburg.de

**Deul Erik**

Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5880  
☎ 31 71 527 5819

**Deupree Robert G**

LANL  
MS F665 Ess 5  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 8215  
☎ 1 505 665 4055

**Deutschman William A**

Oregon Laser Consultants  
455 Hillside Av  
Klamath Falls OR 97601  
USA  
☎ 1 503 882 3295

**Devinney Edward J**

100 Union Av  
Delanco NJ 08075  
USA  
☎ 1 609 764 1250

**Devorkin David H**

Ntl Air/Space Museum  
Smithsonian Institution  
Room 3530  
Washington DC 20560  
USA  
☎ 1 202 357 2828  
✉ nasdsh03@si.edu

**Devyatkin Alexander V**

Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4371  
☎ 7 812 123 1922  
✉ adev@mahis.spb.su

**Dewdney Peter E F**

DRAO  
NRCC/HIA  
Box 248  
Penticton BC V2A 6K3  
Canada  
☎ 1 250 493 2277  
☎ 1 250 493 7767

**Dewey Rachel J**

Physics Dpt  
Princeton Univ  
Jadwin Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 258 4365  
☎ 1 609 258 6853  
✉ rachel@pulsar.princeton.edu

**Dewhurst David W**

Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
☎ 44 12 23 337 523

**Dewitt Bryce S**

Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 5055  
☎ 1 512 471 6016

**Dewitt- John H**

3602 Hoods Hill Rd  
Nashville TN 37215  
USA  
☎ 1 615 383 8272

**Dewitt-Morette Cecile Pr**

Physics Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 1052  
☎ 1 512 471 6016

**Dezso Lorant**

Debrecen Heliophysics Observ  
Acad Sciences  
Box 30  
H 4010 Debrecen  
Hungary  
☎ 36 5 231 1015

**Dhawan Vivek**

NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 835 7378  
☎ 1 505 835 7027  
✉ vdhawan@nrao.edu

**Dhillon Vikram Singh**

Physics Dpt  
The University  
Sheffield S3 7Rh  
UK  
☎ 44 114 222 4528  
☎ 44 114 272 8079  
✉ vik.Dhillon@sheffield.ac.uk

**Dhurandhar Sanjeev**

IUCAA  
PO Box 4  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 351 414/5  
☎ 91 212 350 760  
✉ sdh@iucaa.ernet.in

**Di Xiaohua**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 37609  
☎ 86 25 301 459

**Di Cocco Guido**

TeSRE  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 8665  
☎ 39 51 639 8724

**Di Fazio Alberto**

Astronomy Dpt  
OAR  
Via d Parco Mellini 84  
I 00136 Roma  
Italy  
☎ 39 6 34 7056  
☎ 39 6 349 8236

**Di Martino Marjo**

Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9000  
☎ 39 11 461 9030

**Di Tullio Graziella**

Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
☎ 39 49 875 9840

**Dialetis Dimitris**

Astronomical Institute  
Ntl Observ Athens  
Box 20048  
GR 118 10 Athens  
Greece  
☎ 30 1 346 1191  
☎ 30 1 346 4566

**Diamond Philip John**

NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 835 7900  
☎ 1 505 835 7027  
✉ pdiamond@nrao.edu

**Diaz Angeles Isabel**

Dpt Fisica Teorica  
Fac Ciencias  
UAM Cantoblanco  
E 28049 Madrid  
Spain  
☎ 34 91 397 4223  
☎ 34 91 397 3936  
✉ adiaz@emduam11

**Dick Steven J**

USNO  
3450 Massachusetts Av NW  
Washington DC 20392 5100  
USA  
☎ 1 202 762 0379  
☎ 1 202 762 1516  
✉ dick@ariel.usno.navy.mil

**Dick Wolfgang**

Bund Kartograp/Geodesy  
Aussenstelle Potsdam  
Postfach 60 08 08  
D 14408 Potsdam  
Germany  
☎ 49 331 316 618  
☎ 49 331 316 602  
✉ wdi@potsdam.ifag.de

**Dickel Helene R**

Astronomy Dpt  
Univ of Illinois  
103 UI Astronomical Bldg  
Urbana IL 61801  
USA  
☎ 1 217 244 7044  
☎ 1 217 244 7638  
✉ lanie@astro.uiuc.edu

**Dickel John R**

Astronomy Dpt  
Univ of Illinois  
103 UI Astronomical Bldg  
Urbana IL 61801  
USA  
☎ 1 217 333 5532  
☎ 1 217 244 7638  
✉ johnd@astro.uiuc.edu

**Dickens Robert J**

Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 821 900  
☎ 44 12 35 44 5808

**Dickey Jean O'Brien**

CALTECH/JPL  
MS 138 208  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 3235  
☎ 1 818 393 6980  
✉ jod@logos.jpl.nasa.gov

**Dickey John M**

School Phys/Astronomy  
Univ Minnesota  
116 Church St SE  
Minneapolis MN 55455  
USA  
☎ 1 612 373 3308  
☎ 1 612 624 2029  
✉ john@astl.spa.umn.edu

**Dickinson Dale F**

Lockheed Palo Alto Res Lb  
Dpt 92 20 Bg 205  
3251 Hanover St  
Palo Alto CA 94304 1191  
USA  
☎ 1 415 424 2701  
☎ 1 415 424 3994

**Dickman Robert L**

NSF  
Div Astron Sci  
4201 Wilson Blvd  
Arlington VA 22230  
USA  
☎ 1 703 306 1822  
☎ 1 703 306 0525  
✉ rdickman@nsf.gov

**Dickman Steven R**

Dpt Geological Sci  
State Univ of New York  
Binghamton NY 13901  
USA  
☎ 1 607 777 4378  
☎ 1 607 777 2288  
✉ dickman@bingvmb.cc.binghamton.edu

**Didkovsky Leonid**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71115  
① 380 6554 40704  
✉ didkovsky@crao.  
crimea.ua

**Diego Francisco**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050\*3512  
① 44 171 380 7145  
✉ fd@uk.ac.ucl.starlink

**Dierksen Geerd H F**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 00  
① 49 893 299 3235

**Dieter Conklin Nannielou H**  
Clay Rd  
N Theford VT 05054  
USA  
☎ 1 802 333 4079  
✉ nan.conklin@  
valley.net

**Dietrich Matthias**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9256  
① 49 622 150 9202  
✉ mdietric@lsw.uni.  
heidelberg.de

**Digel Seth William**  
NASA/GSFC  
Code 660 1  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8709  
① 1 301 286 1681  
✉ digel@gsfc.nasa.gov

**Dikova Smiliana D**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
① 359 2 75 5019

**Dimitrijevic Milan**  
Astronomical Observ  
Volgina 7  
11050 Beograd  
Yugoslavia FR  
☎ 381 1 419 357/421 875  
① 381 1 419 553

**Dinerstein Harriet L**  
Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 3449  
① 1 512 471 6016

**Ding Mingde**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210008  
China PR  
☎ 86 25 663 7551 2882  
① 86 25 330 2728

**Ding Youji**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
① 86 871 717 1845

**Dintinjana Bojan**  
Astron Observ  
Univ E Kardelj  
Jadranska 19  
Ljubljana  
Slovenia  
☎ 386 61 265 061  
① 386 61 217 281  
✉ bojan.dintinjana@  
uni-lj.ac.mai

**Dinulesscu Simona**  
Calea 13 Sept 126  
Bl P34 Sc L Et 3 Apt 11  
RO 76125 Bucharest S5  
Rumania

**Dionysiou Demetrios**  
Hellenic AF Academy  
Dekelia Atrica  
18 Amassias Str  
GR 116 34 Athens  
Greece  
☎ 30 1 723 8436

**Disney Michael J**  
Physics Dpt  
Univ Wales College  
Box 913  
Cardiff CF1 3TH  
UK  
☎ 44 12 22 874 785  
① 44 12 22 371 921

**Divan Lucienne**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8000  
① 33 1 44 32 8001

**Diver Declan Andrew**  
Dpt Phys/Astronomy  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855  
① 44 141 330 5183  
✉ diver@astro.gla.ac.uk

**Dixon Robert S**  
Radio Observ  
Ohio State Univ  
2015 Neil Av  
Columbus OH 43210  
USA  
☎ 1 614 422 6789  
✉ dixon-r@osu-20.ircc.  
ohio-state.edu

**Dizer Muammer**  
Kandilli Observ  
Bogazici Univ  
Cengelkov  
81220 Istanbul  
Turkey  
☎ 90 1 332 0277

**Djorgovski Stanislav**  
CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 356 4415  
① 1 818 568 9352  
✉ george@deimos.  
caltech.edu

**Djurasevic Gojko**  
Astronomical Observ  
Volgina 7  
11050 Beograd  
Yugoslavia FR  
☎ 381 1 419 553  
① 381 1 419 553

**Djurovic Dragutin M**  
Astronomy Dpt  
Univ of Belgrade  
Studentski Trg 16  
11000 Beograd  
Yugoslavia FR  
☎ 381 11 638 715  
① 381 11 630 151  
✉ dragutin@maf.bg.  
ac.yu

**Dhuzhnevskaya Olga B**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
① 7 095 230 2081  
✉ olgad@inasan.rssi.ru  
olga@astro.free.net

**Doazan Vera**  
Observ Paris  
DASGAL  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2235  
① 33 1 44 54 1804

**Dobronravin Peter**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
① 380 6554 40704

**Dobrzycki Jerzy**  
History of Science  
Polish Acad Sci  
Gwiardzista 27/169  
PL 01 814 Warsaw  
Poland  
☎ 48 22 33 2203

**Dobco Jose A Durantez**  
Observ Astronomico  
Ramon Maria Aller  
Avd de Las Ciencias S/n  
E Santiago de Compostela  
Spain  
☎ 34 8 159 2747  
① 34 8 156 2569

**Dodd Richard J**  
Carter Observ  
Ntl Observ New Zealand  
Box 2909  
Wellington 1  
New Zealand  
☎ 64 4 4728 167  
① 64 4 47 28 320

**Donodov Serguej**  
SAO  
Acad Sciences  
Nizhnij Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 878 784 6223  
① 7 96 908 2861  
✉ dodo@sao.ru

**Dogan Nadir**  
Astronomy Dpt  
Univ of Ankara  
Fen Fakultesi  
06100 Besevler  
Turkey  
☎ 90 41 216 6720  
① 90 312 223 2395

**Doherty Lorne H**  
108 1900 Marquia Av  
Gloucester ONT K1J 8J2  
Canada

**Doherty Lowell R**  
1883 Forest Circle  
Santa Fe NM 87505 4506  
USA

**Doi Mamoru**  
Astronomy Dpt  
Univ of Tokyo  
7-3-1 Hongo Bunkyo-ku  
Tokyo 113  
Japan  
☎ 81 338 13 9224  
① 81 338 13 9439  
✉ doi@astron.s.u-  
tokyo.ac.jp

**Dokuchaev Vyacheslav I**  
Inst Nuclear Res  
Acad Sciences  
60th Aniv Oct Ppvt 7a  
117312 Moscow  
Russia  
☎ 7 095 382 7678  
① 7 095 292 6511  
✉ dokuchaev@inr.npd.  
ac.ru

**Dokuchaeva Olga D**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2858  
☎ 7 095 939 0126

**Dolan Joseph F**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5920  
☎ 1 301 286 1753  
✉ tejfd@splvin.gsfc.  
nasa.gov

**Dolez Noel**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
☎ 33 5 61 27 3179

**Dolginov Arkady Z**  
Ioffe Physical Tech Inst  
Acad Sciences  
Polytechnicheskaya Ul 26  
194021 St Petersburg  
Russia  
☎ 7 812 247 9167  
☎ 7 812 247 1017

**Dolidze Madona V**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
☎ 995 88 32 98 5017

**Dollfus Audouin**  
Observ Paris Meudon  
DASOP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 34 7530  
☎ 33 1 45 07 7971

**Domingo Vicente**  
ESA  
c/o NASA/GSFC  
MS 682  
Greenbelt MD 20771  
USA  
☎ 1 301 286 4144  
☎ 1 301 286 1617  
✉ vdomingo@esa.  
nascn.nasa.gov

**Dominko Fran**  
Saranoviceva 11  
Ljubljana  
Slovenia  
☎ 386 61 322 210

**Domke Helmut**  
Zentrinst Astrophysik  
Sternwarte Babelsberg  
Rosa Luxemburg Str 17a  
D 14473 Potsdam  
Germany  
☎ 49 331 275 3731

**Dommanget J**  
Koninklijke Sterrenwacht  
van België  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0241  
☎ 32 2 374 9822  
✉ omer.nys@oma.be

**Donahue Robert Andrew**  
Cfa  
HCO/SAO MS 15  
60 Garden St  
Cambridge MA 02138 1596  
USA  
☎ 1 617 495 7184  
☎ 1 617 495 7095  
✉ donahue@cfa.harvard.edu

**Donas Jose**  
LAS  
Traverse du Siphon  
Les Trois Lucs  
F 13376 Marseille Cdx 12  
France  
☎ 33 4 91 05 5900  
☎ 33 4 91 66 1855  
✉ donas@frism51

**Donati Jean-Francois**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 33 2917  
☎ 33 5 61 33 2840  
✉ donati@obs-mip.fr

**Dong Il Zun**  
Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Donn Bertram D**  
NASA GSFC  
Code 691  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6859

**Donner Karl Johan**  
Helsinki Univ  
Observ  
Box 14  
FIN 00014 Helsinki  
Finland  
☎ 358 19 12 2940  
☎ 358 19 12 2952

**Donnison John Richard**  
Dpt Math Sci  
Goldsmiths Coll  
New Cross  
London SE14 6NW  
UK  
☎ 44 181 716 927 171

**Dopita Michael A**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 49 0212  
☎ 61 26 249 0233  
✉ michael.dopita@  
anu.edu.au

**Dorenwendt Klaus**  
Physikalisch-technisches  
Bundesanstalt  
Bundesallee 100  
D 3300 Braunschweig  
Germany  
☎ 49 531 592 1210

**Dorfi Ernst Anton**  
Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 345 3600  
☎ 43 1 470 6015

**Dormand John Richard**  
Mathematics Dpt  
Teesside Polytechnic  
Middlesbrough  
Cleveland TS1 3BA  
UK  
☎ 44 16 42 218 121\*4365

**Doroshkevich Andrei G**  
Keldysh Inst Applied Maths  
Acad Sciences  
Miusskaja Sq 4  
125047 Moscow  
Russia  
☎ 7 095 258 1314

**Dorschner Johann**  
Astrophysik Inst  
Univ Sternwarte  
Schillergaesschen 2  
D 07745 Jena  
Germany  
☎ 49 364 163 0323  
☎ 49 364 163 0417

**Doschek George A**  
NRL  
Code 4170  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 6473

**Dossin F**  
Inst Astrophysique  
Universite Liege  
r du Travail  
B 4102 Seraing  
Belgium  
☎ 32 4 337 3584

**Dotani Tadayasu**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911  
☎ 81 427 59 4253  
✉ dotani@astro.isas.ac.jp

**Dottori Horacio A**  
Instituto Fisica  
UFRGS  
CP 15051  
91501 900 Porto Alegre RS  
Brazil  
☎ 55 512 36 4677

**Doubinskij Boris A**  
SC Radio Astronomy  
Acad Sciences  
Marx Av 18  
Moscow Centre GSP 3  
Russia  
☎ 7 095 202 8286  
☎ 7 095 203 8414  
✉ astronom@ire.rc.ru

**Dougherty Sean**  
Astrophysics Group  
Liverpool J M Univ  
Byrom St  
Liverpool L3 3AF  
UK  
☎ 44 151 231 4103  
☎ 44 151 231 2337  
✉ smd@starul.livjm.ac.uk

**Doughty Noel A**  
Dpt Phys/Astronomy  
Univ of Canterbury  
Private Bag 4800  
Christchurch 1  
New Zealand  
☎ 64 3 366 7001  
☎ 64 3 364 2469

**Douglas James N**  
Astronomy Dpt  
Univ of Texas  
Rim 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 4461  
☎ 1 512 471 6016

**Douglas Nigel**  
Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4088  
☎ 31 50 363 6100  
✉ ndouglas@astro.rug.nl

**Douglas R J**  
Physics Division M 36  
NRCC  
100 Sussex Dr  
Ottawa ON K1A 0S1  
Canada  
☎ 1 613 993 6060  
☎ 1 613 952 6602  
✉ rob.douglas@nrc.ca

**Douglass Geoffrey G**  
USNO  
Astrometry Dpt  
3450 Massachusetts Av NW  
Washington DC 20392 5420  
USA  
☎ 1 202 653 1438  
☎ 1 202 653 0944  
✉ ggd@cruz.usno.navy.mil

**Dourneau Gerard**  
 Observ Bordeaux  
 BP 89  
 F 33270 Floirac  
 France

☎ 33 5 56 86 4330  
 ① 33 5 56 40 4251

**Doval Jorge Perez**  
 Inst Geophys/Astron  
 C 212 N 2906/29 Y 31  
 Rpto Coromela/la Lisa  
 La Habana  
 Cuba

☎ 53 21 8435/0644

**Downes Ann Juliet B**  
 MRAO  
 Cavendish Laboratory  
 Madingley Rd  
 Cambridge CB3 0HE  
 UK

☎ 44 12 23 337 274  
 ① 44 12 23 354 599

**Downes Dennis**  
 IRAM

300 r La Piscine  
 F 38406 S Martin Heres Cdx  
 France

☎ 33 4 76 82 4900  
 ① 33 4 76 51 5938  
 ✉ downes@iram.  
 grenet.fr

**Downes Ronald A**  
 STScI/USB

Homewood Campus  
 3700 San Martin Dr  
 Baltimore MD 21218  
 USA

☎ 1 301 338 4700  
 ① 1 301 338 4767  
 ✉ downes@stsci.edu

**Downs George S**  
 MIT Lincoln Lab

MS S4 241  
 Box 73  
 Lexington MA 02173  
 USA

☎ 1 617 863 5500  
 ✉ downs@ll.mit.edu

**Doyle John Gerard**  
 Armagh Observ

College Hill  
 Armagh BT61 9DG  
 UK

☎ 44 18 61 522 928  
 ① 44 18 61 527174

**Doyle Laurance R**  
 NASA/ARC

SETI  
 MS 245 7  
 Moffett Field CA 94035 1000  
 USA

☎ 1 415 604 3372  
 ① 1 650 604 1088

**Doyon Rene**

Dpt d Physique  
 Universite Montreal  
 CP 6128 Succ A  
 Montreal QC H3C 3J7  
 Canada

☎ 1 514 343 6111\*3204  
 ① 1 514 343 2071

✉ doyon@astro.umontreal.ca

**Draine Bruce T**

Princeton Univ Obs  
 Peyton Hall  
 Princeton NJ 08544 1001  
 USA

☎ 1 609 452 3574  
 ① 1 609 258 1020

**Drake Frank D**

Lick Observ  
 Univ of California  
 Santa Cruz CA 95064  
 USA

☎ 1 831 459 4885  
 ① 1 831 426 3115

✉ fdrake@ucolick.org

**Drake Jeremy**

CfA  
 HCO/SAO  
 60 Garden St  
 Cambridge MA 02138 1516  
 USA

☎ 1 617 496 7850  
 ① 1 617 495 7356

✉ jdrake@cfa.harvard.edu

**Drake Stephen A**

NASA GSFC  
 Code 668  
 Greenbelt MD 20771  
 USA

☎ 1 301 286 6962

**Dramba C**

Astronomical Institute  
 Romanian Acad Sciences  
 Cutilul de Argint 5  
 RO 75212 Bucharest  
 Rumania

☎ 40 1 641 3686  
 ① 40 1 312 3391

**Drapatz Siegfried W**

MPE  
 Postfach 1603  
 D 85740 Garching  
 Germany

☎ 49 893 299 880  
 ① 49 893 299 3569

**Dravins Dainis**

Lund Observ  
 Box 43  
 S 221 00 Lund  
 Sweden

☎ 46 46 222 7297  
 ① 46 46 222 4614

✉ dainis@astro.lu.se

**Dravskikh Alexander F**

Pulkovo Observ  
 Acad Sciences  
 10 Kutuzov Quay  
 196140 St Petersburg  
 Russia

☎ 7 812 297 9452  
 ① 7 812 315 1701

**Drechsel Horst**

Dr Remeis Sternwarte  
 Univ Erlangen-Nuernberg  
 Sternwartstr 7  
 D 96049 Bamberg  
 Germany

☎ 49 951 952 2215  
 ① 49 951 952 2222

✉ drechsel@sternwarte.uni-  
 erlangen.de

**Dreher John W**

Physics Dpt  
 MIT Rm 26 315  
 Box 165  
 Cambridge MA 02139 4307  
 USA

☎ 1 617 253 8519  
 ① 1 617 253 9798

**Dressel Linda L**

Applied Res Corp  
 8201 Corporate Dr  
 Suite 920  
 Landover MD 20785  
 USA

☎ 1 301 459 8442  
 ① 1 301 459 0761

**Dressler Alan**

Carnegie Observatories  
 813 Santa Barbara St  
 Pasadena CA 91101 1292  
 USA

☎ 1 818 577 1122  
 ① 1 818 795 8136

**Dressler Kurt**

Lab Physik Chemie  
 ETH Zentrum  
 CH 8092 Zuerich  
 Switzerland

☎ 41 1 632 4441  
 ① 41 1 632 1205

**Drever Ronald W P**

CALTECH  
 MS 130 33  
 Pasadena CA 91125  
 USA

☎ 1 818 395 4597  
 ① 1 818 795 1547

**Drew Janet**

Astrophysics Gr  
 Imperial Coll  
 Prince Consort Rd  
 London SW7 2BZ  
 UK

☎ 44 171 594 7771  
 ① 44 171 594 7772

**Drilling John S**

Dpt Phys/Astronomy  
 Louisiana State Univ  
 Baton Rouge LA 70803 4001  
 USA

☎ 1 504 388 6795  
 ① 1 504 388 5855

✉ drilling@rouge.phys.  
 lsu.edu

**Drinkwater Michael J**

School of Physics  
 UNSW  
 Sydney NSW 2052  
 Australia

☎ 61 2 9385 5572  
 ① 61 2 9385 6060

✉ mjd@roen.phys.unsw.  
 edu.au

**Drissen Laurent**

Dpt d Physique  
 Universite Laval  
 Quebec G1K 7P4  
 Canada

☎ 1 418 656 2131\*5641  
 ① 1 418 656 2040

✉ ldrissen@phy.ulaval.ca

**Drossart Pierre**

Observ Paris Meudon  
 DESPA  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France

☎ 33 1 45 07 7664  
 ① 33 1 45 07 2806

✉ drossart@obspm.fr

**Drozyner Andrzej**

Inst of Astronomy  
 N Copernicus Univ  
 Ul Chopina 12/18  
 PL 87 100 Torun  
 Poland

☎ 48 56 26 018  
 ① 48 56 24 602

**Drury Luke O'Connor**

DIAS  
 School Cosmic Phys  
 5 Merrion Sq  
 Dublin 2  
 Ireland

☎ 353 1 662 1333  
 ① 353 1 662 1477

✉ ld@cp.dias.ie

**Dryer Murray**

NOAA ERL R/E/SE  
 Space Environment Lab  
 325 Broadway  
 Boulder CO 80303  
 USA

☎ 1 303 497 3978  
 ① 1 303 798 2124

✉ mdryer@sec.noaa.gov  
 murraydryer@msn.com

**Dubath Pierre**

INTEGRAL  
 Science Data Ctr  
 16 Chemin Ecogia  
 CH 1290 Versoix  
 Switzerland

☎ 41 22 950 9124  
 ① 41 22 950 9133

✉ pierre.dubath@obs.  
 unige.ch

**Dubau Jacques**

Observ Paris Meudon  
 DARC  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France

☎ 33 1 45 07 7456  
 ① 33 1 45 07 7971

**Dubin Maurice**

NASA GSFC  
Code 616  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5475  
① 1 301 286 2630

**Dubner Gloria**  
IAR

CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 4 3793  
① 54 21 211 761

**Dubois Marc A**

DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 7418  
① 33 1 69 08 8786  
✉ mad@spec.saclay.  
cea.fr

**Dubois Pascal**

Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0734  
① 33 3 88 25 0160  
✉ dubois@simbad.u-  
strasbg.fr

**Dubout Renee**

Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
① 33 4 91 62 1190  
✉ dubout@observatoire.  
cnrs-mrs.fr

**Ducati Jorge Ricardo**

Instituto Fisica  
UFRGS  
CP 15051  
91501 900 Porto Alegre RS  
Brazil  
☎ 55 512 36 4677  
① 55 513 36 1762  
✉ ducati@if.1.ufrgs-  
ans.br

**Duchesne Maurice**

Observ Paris  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 43 20 1210  
① 33 1 44 54 1804

**Ducourant Christine**

Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
① 33 5 56 40 4251  
✉ ducourant@observ.u-  
bordeaux.fr

**Duemmler Rudolf**

Astronomy Dpt  
Univ of Oulu  
Box 333  
FIN 90570 Oulu  
Finland  
☎ 358 81 553 1932  
① 358 81 553 1984  
✉ rolf@hiisi.oulu.fi

**Duerbeck Hilmar W**

Hembrich 16  
D 54552 Schalkenmehren  
Germany

**Duerst Johannes**

Langwies  
CH 8824 Schoenenberg  
Switzerland  
☎ 41 1 788 1785

**Dufay Maurice**

Universite Lyon 1  
Campus La Doua  
43 bd 11 novembre  
F 69621 Villeurbanne  
France  
☎ 33 4 78 89 8124

**Duffett-Smith Peter James**

MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 274  
① 44 12 23 354 599  
✉ pjds@mrao.cam.ac.uk

**Duflot Marcelle**

Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
① 33 4 91 62 1190  
✉ duflot@obsmara.cnrs-  
mrs.fr

**Dufour Reginald James**

Dpt Phys/Astronomy  
Rice Univ  
Box 1892  
Houston TX 77251 1982  
USA  
☎ 1 713 527 8101  
① 1 713 285 5143

**Dufton Philip L**

Dpt Pure/App Phys  
Queen's Univ  
Belfast BT7 1NN  
UK  
☎ 44 12 32 24 5133  
① 44 12 32 43 8918

**Duldig Marcus Leslie**

Austral Antarctic Div  
Univ Tasmania  
GPO Box 252 21  
Hobart TAS 7001  
Australia  
☎ 61 3 6226 2022  
① 61 3 6223 3057  
✉ marc.duldig@phys.  
utas.edu.au

**Duley Walter W**

Physics Dpt  
Univ Waterloo  
Waterloo ON N2L 3G1  
Canada  
☎ 1 519 885 1211\*3108  
① 1 519 746 8115  
✉ duley@physics.waistar.  
uwaterloo.ca

**Dulk George A**

Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 34 7691  
① 33 1 45 34 7691

**Dultzin-Hacyan D**

Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
① 52 5 616 0653  
✉ deborah@astroscu.  
unam.mx

**Duma Dmitriy P**

Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
① 380 4426 62147  
✉ duma@mao.kiev.ua

**Dumitrache Christiana**

Astronomical Institute  
Romanian Acad Sciences  
Cutitul de Argint 5  
RO 75212 Bucharest  
Rumania  
☎ 40 1 641 3686  
① 40 1 312 3391  
✉ crisd@imar.ro

**Dumitrescu Alexandru**

Astronomical Institute  
Romanian Acad Sciences  
Cutitul de Argint 5  
RO 75212 Bucharest  
Rumania  
☎ 40 1 641 3686  
① 40 1 312 3391  
✉ adumitrescu@imar.ro

**Dumont Rene**

Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
① 33 5 56 40 4251

**Dumont Simone**

IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8000  
① 33 1 44 32 8001

**Duncan Douglas Kevin**

Astronomy/Astrophys Ctr  
Univ of Chicago  
5640 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 702 8207  
① 1 312 702 8212  
✉ duncan@odjdj.  
uchicago.edu

**Duncan Robert A**

CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
① 61 2 868 0310  
✉ rduncan@atmf.csiro.au

**Duncombe Raynor L**

Aerospace Eng Dpt  
Univ of Texas  
WRW 414  
Austin TX 78712  
USA  
☎ 1 512 471 4250  
✉ duncombe@utcsr.ae.  
utexas.edu

**Dunham David W**

APL  
JHU  
Johns Hopkins Rd  
Laurel MD 20723 6099  
USA  
☎ 1 301 953 5000  
① 1 301 953 1093  
✉ Daivd.Dunham@  
jhuapl.edu

**Dunkelman Lawrence**

618 E Camino Ateza  
Tucson AZ 85704 5804  
USA  
☎ 1 520 293 4588  
✉ dunkL@aol.com

**Dunlop James**

Astrophysics Group  
Liverpool J M Univ  
Byrom St  
Liverpool L3 3AF  
UK  
☎ 44 151 231 2039  
① 44 151 231 2337  
✉ jsd@uk.ac.livjm.starul

**Dunlop Storm**

140 Stocks Lane  
East Wittering Chichester  
West Sussex PO20 8NT  
UK  
☎ 44 124 36 70354  
① 44 124 367 0400  
✉ sdunlop@star.maps.  
susx.ac.uk

**Dunn Richard B**

AFGL  
NSO  
Sunspot NM 88349  
USA  
☎ 1 505 434 1390  
① 1 504 434 7029



**Dunsby Peter**  
Applied Maths Dpt  
Univ of Cape Town  
Private Bag  
7700 Rondebosch  
South Africa  
☎ 27 21 650 3209  
☎ 27 21 650 2334  
✉ peter@shiva.mth.uct.ac.za

**Durrah Hira Lal**  
Physics Dpt  
Univ of Gauhati  
Guwahati 781014  
India  
☎ 91 361 88 531  
☎ 91 361 570 133

**Dupree Andrea K**  
CFA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7489  
☎ 1 617 495 7049  
✉ dupree@cfa.harvard.edu

**Dupuy David L.**  
Physics Dpt  
Virginia Military Inst  
Lexington VA 24450  
USA  
☎ 1 703 464 7504

**Duriez Luc**  
Laboratoire Astronomie  
Universite Lille  
1 Impasse Observatoire  
F 59000 Lille  
France  
☎ 33 3 20 52 4424  
☎ 33 3 20 58 0328

**Durisen Richard H**  
Astronomy Dpt  
Indiana Univ  
Swain W 319  
Bloomington IN 47405  
USA  
☎ 1 812 335 6921  
☎ 1 812 855 8725

**Durney Bernard**  
NOAO/NSO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
☎ 1 520 325 9360

**Durouchoux Philippe**  
DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 3376  
☎ 33 1 69 08 6577  
✉ durouchoux@sapvixg.saclay.cea.fr

**Durrance Samuel T**  
Dpt Phys/Astronomy  
JHU  
Charles/34th St  
Baltimore MD 21218  
USA  
☎ 1 301 338 8707  
☎ 1 301 546 7279

**Durrant Christopher J**  
Applied Maths Dpt  
Univ of Sydney  
Sydney NSW 2006  
Australia  
☎ 61 2 692 3373  
☎ 61 2 660 2903

**Durret Florence**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8093  
☎ 33 1 44 32 8001

**Duschl Wolfgang J**  
Inst Theor Astrophysik  
d Univer  
Tiergartenstr 15  
D 69121 Heidelberg  
Germany  
☎ 49 622 154 8967  
☎ 49 622 154 4221  
✉ wjd@ita.uni-heidelberg.de

**Duthie Joseph G**  
Dpt Phys/Astronomy  
Univ of Rochester  
Rochester NY 14627 0171  
USA  
☎ 1 716 275 8527  
☎ 1 716 275 4351

**Duval Marie-France**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
☎ 33 4 91 62 1190

**Duvall Thomas L**  
Stanford Univ  
HEPL A209  
Stanford CA 94305 4085  
USA  
✉ duvall@quake.stanford.edu

**Duvert Gilles**  
Observ Grenoble  
Lab Astrophysique  
BP 53x  
F 38041 S Martin Heres Cdx  
France  
☎ 33 4 76 51 4885  
☎ 33 4 76 44 8821  
✉ Gilles.Duvert@laog.obs-ujf-grenoble.fr

**Dvorak Rudolf**  
Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 345 3600  
☎ 43 1 470 6015

**Dwarakanath K S**  
RRI  
Sadashivanagar  
CV Raman Av  
Bangalore 560 080  
India  
☎ 91 80 334 0122  
☎ 91 80 334 0492

**Dwek Eli**  
NASA GSFC  
Code 697  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6209

**Dwivedi Bhola Nath**  
Applied Phys Dpt  
Univ Banaras Hindu  
Varanasi 221 005  
India  
☎ 91 542 312 059

**Dworetzky Michael M**  
Dpt Phys/Astronomy  
UCLLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050  
☎ 44 171 380 7145

**Dyck Melvin**  
Dpt Phys/Astronomy  
Univ of Wyoming  
Box 3905  
Laramie WY 82071  
USA  
☎ 1 307 766 6150  
☎ 1 307 766 2652  
✉ meldyck@corral.uwyo.edu

**Dyer Charles Chester**  
Scarborough Coll  
Univ of Toronto  
Phys Scs Gr Rm S 650  
Toronto ON M1C 1A4  
Canada  
☎ 1 416 284 3318

**Dyer Edward R.**  
3626 Davis St Nw  
Washington DC 20007  
USA

**Dyson Freeman J**  
Inst Advanced Study  
School Natural Science  
Princeton NJ 08540  
USA  
☎ 1 609 734 8055

**Dyson John E**  
Astronomy Dpt  
Univ Manchester  
Oxford Rd  
Manchester M13 9PL  
UK  
☎ 44 161 275 4235  
☎ 44 161 275 4223  
✉ ed@ast.leeds.ac.uk

**Dzhaplashvili Victor P**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
☎ 995 88 32 98 5017

**Dziembowski Wojciech**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
☎ 48 22 41 0828

**Dzifcakova Elena**  
Dpt Astron/Astrophys  
Comenius Univ  
Mlynska Dolina 1  
SK 842 15 Bratislava  
Slovak Republic  
☎ 421 7 72 400  
☎ 421 7 725 882  
✉ dzifcakova@fmph.uniba.sk

**Dzighvashvili R M**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
☎ 995 88 32 98 5017

**Dzubenko Nikolai**  
Astronomy Dpt  
Univ of Kyiv  
Acad Glushkov Str 6  
252022 Kyiv  
Ukraine  
☎ 380 4426 64457  
☎ 380 4426 64507  
✉ kotsarenko@univ.kiev.ua

## E

**Eaton Joel A**  
 Ctr Excellence Inform Sys  
 Tennessee State Univ  
 330 10th Av North  
 Nashville TN 37203 3401  
 USA  
 ☎ 1 615 963 7302  
 ☎ 1 615 963 7027

**Ebisuzaki Toshikazu**  
 Komaba Meguro-ku  
 Tokyo 153  
 Japan  
 ☎ 81 334 67 1171 \*665  
 ☎ 81 334 65 3925

**Eccles Michael J**  
 Ballencreeff Toll  
 Sunnyside  
 Bathgate EH48 4LD  
 UK  
 ☎ 44 15 06 53 989

**Echeverria Roman Juan M**  
 Observ Astronomico Nacional  
 UNAM  
 Apt 877  
 Ensenada BC 22800  
 Mexico  
 ☎ 52 6 174 4580  
 ☎ 52 6 174 4607

**Edalati Sharbat Mohammad**  
 Taghi  
 Physics Dpt  
 School of Sciences  
 Univ of Ferdowsi  
 Mashhad  
 Iran  
 ☎ 98 51 832 021/4  
 ☎ 98 51 838 032

**Eddy John A**  
 3460 Ash Av  
 Boulder CO 80303  
 USA  
 ☎ 1 303 497 1680

**Edelman Colette**  
 BDL  
 77 Av Denfert Rochereau  
 F 75014 Paris  
 France  
 ☎ 33 1 40 51 2272  
 ☎ 33 1 46 33 2834

**Edelson Rick**  
 CASA  
 Univ of Colorado  
 Campus Box 389  
 Boulder CO 80309 0391  
 USA  
 ☎ 1 303 492 6784  
 ☎ 1 303 492 5941

**Edge Alastair**  
 Inst of Astronomy  
 The Observatories  
 Madingley Rd  
 Cambridge CB3 0HA  
 UK  
 ☎ 44 12 23 330 803  
 ☎ 44 12 23 337 523  
 ✉ ace@mail.ast.cam.ac.uk

**Edmondson Frank K**  
 Astronomy Dpt  
 Indiana Univ  
 Swain W 319  
 Bloomington IN 47405  
 USA  
 ☎ 1 812 335 6918  
 ☎ 1 812 855 8725

**Edmunds Michael Geoffrey**  
 Physics Dpt  
 Univ Wales College  
 Box 913  
 Cardiff CF1 3TH  
 UK  
 ☎ 44 12 22 874 785  
 ☎ 44 12 22 371 921

**Edvardsson Bengt**  
 Astronomical Observ  
 Box 515  
 S 751 20 Uppsala  
 Sweden  
 ☎ 46 18 51 2488  
 ☎ 46 18 52 7583  
 ✉ bengt.edvardsson@astro.uu.se

**Edwards Alan Ch**  
 CALTECH/JPL  
 MS 238 600  
 4800 Oak Grove Dr  
 Pasadena CA 91109 8099  
 USA  
 ☎ 1 818 354 4321  
 ☎ 1 818 393 4965  
 ✉ chad@logos.jpl.nasa.gov

**Edwards Paul J**  
 MSSSO  
 Weston Creek  
 Private Bag  
 Canberra ACT 2611  
 Australia  
 ☎ 61 262 881 111  
 ☎ 61 262 490 233

**Edwards Terry W**  
 Dpt Phys/Astronomy  
 Univ of Missouri  
 Columbia MO 65211  
 USA  
 ☎ 1 314 882 3036

**Edwin Patricia**  
 The Open Univ in Scotland  
 10 Drumsheugh Gardens  
 Edinburgh EH3 70J  
 UK  
 ☎ 44 133 476 161  
 ☎ 44 13 346 3748  
 ✉ p.m.edwin@st-andrews.ac.uk

**Edwin Roger P**  
 Dpt Phys/Astronomy  
 Univ of St Andrews  
 North Haugh  
 St Andrews Fife KY16 9SS  
 UK  
 ☎ 44 1334 76161  
 ☎ 44 1334 74487

**Eelsalu Heino**  
 Tartu Observ  
 Estonian Acad Sci  
 Toravere  
 EE 2444 Tartumaa  
 Estonia  
 ☎ 372 1 434 281 63  
 ☎ 372 7 410 205  
 ✉ eelsalu@aai.ee

**Eenens Philippe**  
 Dpt Astronomia  
 Univ Guanajuato  
 Apdo 144  
 Guanajuato GTO 36000  
 Mexico  
 ☎ 52 4 732 9548  
 ☎ 52 4 732 0253  
 ✉ eenens@carina.astro.ugto.mx

**Efimov Yuri I**  
 Crimean Astrophys Obs  
 Ukrainian Acad Science  
 Nauchny  
 334413 Crimea  
 Ukraine  
 ☎ 380 6554 40704  
 ☎ 380 6554 40704  
 ✉ etimov@crao.crimea.ua

**Efimov Yuri I**  
 SAI  
 Acad Sciences  
 Universitetskij Pr 13  
 119899 Moscow  
 Russia  
 ☎ 7 095 939 1622  
 ☎ 7 095 932 8841  
 ✉ efremov@sai.msu.ru

**Efremov Yuri N**  
 Keldysh Inst Appl Maths  
 Acad Sciences  
 Miusskaja Sq 4  
 125047Moscow  
 Russia  
 ☎ 7 095 932 8841  
 ☎ 7 095 939 1622  
 ✉ efremov@sai.msu.ru

**Efstathiou George**  
 Inst of Astronomy  
 The Observatories  
 Madingley Rd  
 Cambridge CB3 0HA  
 UK  
 ☎ 44 12 23 337 548  
 ☎ 44 12 23 337 523

**Eggleton Peter P.**  
 Inst of Astronomy  
 The Observatories  
 Madingley Rd  
 Cambridge CB3 0HA  
 UK  
 ☎ 44 12 23 337 548  
 ☎ 44 12 23 337 523

**Egret Daniel**  
 Observ Strasbourg  
 11 r Universite  
 F 67000 Strasbourg  
 France  
 ☎ 33 3 88 15 0711  
 ☎ 33 3 88 25 0160  
 ✉ egret@cdxba.u-strasbg.fr

**Ehgamberdiev Shurát**  
 Astronomical Institute  
 Uzbek Acad Sci  
 Astronomicheskaya Ul 33  
 700052 Tashkent  
 Uzbekistan  
 ☎ 7 3712 35 8102  
 ☎ 7 37 12 32 7789  
 ✉ shuhrat@kumbel.silk.glas.apc.org

**Ehlers Jürgen**  
 MPA  
 Karl Schwarzschildstr 1  
 D 85748 Garching  
 Germany  
 ☎ 49 893 299 9444  
 ☎ 49 893 299 3235

**Eichhorn Heinrich K**  
 Box 112055  
 Gainesville FL 32611 2055  
 USA  
 ☎ 1 904 392 7745  
 ✉ eichhorn@astro.ufl.edu

**Eichler David**

Astronomy Magazine  
21027 Crossroads Circle  
Waukesha WI 53187  
USA

**Eidelsberg Michele**

Observ Paris Meudon  
DAMAP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7562  
☎ 33 1 45 07 7469

**Eilek Jean**

Physics Dpt  
New Mexico Tech  
Campus Station  
Socorro NM 87801  
USA  
☎ 1 505 835 5238  
☎ 1 505 835 5707  
✉ jlelek@nraso.edu

**Einasto Jaan**

Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia  
☎ 372 7 410 151  
☎ 372 7 410 205  
✉ marec@jupiter.aai.ee

**Einasto Maret**

Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia  
☎ 372 3 410 450  
☎ 372 7 410 205

**Einaudi Giorgio**

Dpt Astronomia  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
☎ 39 55 22 0039

**Einicke Ole H**

Astronomical Observ, NBHAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5977  
☎ 45 35 32 5989  
✉ ohe@astro.ku.dk

**Eker Zeki**

KACST  
Box 2455  
Riyadh 11451  
Saudi Arabia  
☎ 966 1 4676 315  
✉ f40a010@saksu00

**Ekers Ronald D**

CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 9372 4300  
☎ 61 2 9372 4310  
✉ rekers@atmf.csiro.au

**El Bakkali Larbi**

Fac de Sciences  
Box 2121  
Tetouan  
Morocco  
☎ 212 974509  
☎ 212 971763

**El Basuny Ahmed Alawy**

NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
☎ 20 62 21 405 297

**El Baz Farouk**

ITEK Corp  
10 Maguire Rd  
Lexington MA 02173  
USA  
☎ 1 617 276 2532

**El Eid Mounib**

Schillerstr 67  
D 37083 Goettingen  
Germany  
☎ 49 551 395 042  
☎ 49 551 395 043

El Nawaway Mohamed Saleh  
ASRT  
101 Kasr El-eini Str  
Cairo 11516  
Egypt  
☎ 20 2 355 7972

**El Raey Mohamed E**

Dpt Environmt Studies  
Inst Graduate Stud/Res  
Univ of Alexandria  
Alexandria  
Egypt

**El Shahawy Mohamed**

Astronomy Dpt  
Fac of Sciences  
Cairo Univ  
Geza  
Egypt  
☎ 20 2 572 7022  
☎ 20 2 572 7556

**El-Sharawy Mohamed Bahgat**

NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
☎ 20 62 21 405 297

**Elford William Graham**

Physics Dpt  
Univ of Adelaide  
Box 498  
Adelaide SA 5001  
Australia  
☎ 61 8 228 5321

**Elgaroy Oystein**

Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway  
☎ 47 22 856 504  
☎ 47 22 856 505

**Elias Nicholas**

USNO  
Flagstaff Station  
Box 1149  
Flagstaff AZ 86002 1149  
USA  
✉ nme@sextans.  
lowell.edu

**Elipe Sanchez Antonio**

Gr Mecan Espacial  
Univ Zaragoza  
E 50009 Zaragoza  
Spain  
☎ 34 7 676 1000  
☎ 34 7 676 1140  
✉ elipe@msf.unizar.es

**Elitzur Moshe**

Dpt Phys/Astronomy  
Univ Kentucky  
Lexington KY 40506 0055  
USA  
☎ 1 606 257 4720  
☎ 1 606 323 2846

**Elder Joel**

Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5500  
☎ 46 31 772 5550

**Elliot James L**

Dpt Earth/Planet Sci  
MIT Rm 54 422a  
Box 165  
Cambridge MA 02139  
USA  
☎ 1 617 253 6308

**Elliott Ian**

Dunsink Observ  
DIAS  
Castleknock  
Dublin 15  
Ireland  
☎ 353 1 38 7959  
☎ 353 1 38 7090

**Elliott Kenneth H**

Dpt Space Res  
Univ Birmingham  
Box 363  
Birmingham B15 2TT  
UK  
☎ 44 12 14 72 1301

**Ellis G R A**

Physics Dpt  
Univ Tasmania  
GPO Box 252c  
Hobart TAS 7001  
Australia  
☎ 61 2 202 411  
☎ 61 2 202 410

**Ellis George F R**

Applied Maths Dpt  
Univ of Cape Town  
Private Bag  
7700 Rondebosch  
South Africa  
☎ 27 21 650 2332/2340  
☎ 27 21 650 2334

**Ellis Richard S**

Physics Dpt  
Univ of Durham  
South Rd  
Durham DH1 3LE  
UK  
☎ 44 191 374 2000  
☎ 44 191 374 3749

**Elmegreen Bruce Gordon**

IBM  
T J Watson Res Ctr  
Box 218  
Yorktown Heights NY 10598  
USA  
☎ 1 914 945 2448  
☎ 1 914 945 2141  
✉ bge@yktvmt

**Elmegreen Debra Meloy**

Dpt Phys/Astronomy  
Vassar College  
Poughkeepsie  
Poughkeepsie NY 12601  
USA  
☎ 1 914 437 7356  
✉ elmegreen@vassar.  
vassar.edu

**Elsaesser Hans**

MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 8200  
☎ 49 622 152 8246

**Elsmore Bruce**

MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 294  
☎ 44 12 23 354 599

**Elson Rebecca Anne Wood.**

Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 541  
☎ 44 12 23 337 523  
✉ elson@mail.ast.cam.ac.uk

**Elst Eric Walter**

Koninklijke Sterrenwacht  
van Belgie  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0309  
☎ 32 2 374 9822  
✉ eric.elst@oma.be

**Elste Gunther H**  
Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 764 3444  
☎ 1 313 764 2211

**Elston Wolfgang E**  
Dpt Geology  
Univ New Mexico  
800 Yale Blvd Ne  
Albuquerque NM 87131  
USA  
☎ 1 505 277 5339

**Elsworth Yvonne**  
School Phys/Astron  
Univ Birmingham  
Box 363  
Birmingham B15 2TT  
UK  
☎ 44 12 14 14 6453  
☎ 44 12 14 143 722  
✉ ype@star.sr.bham.  
ac.uk

**Elvis Martin S**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge, MA 02138 1516  
USA  
☎ 1 617 495 7442  
☎ 1 617 495 7356  
✉ elvis@cfa.harvard.edu

**Elvius Aina M**  
Astronomical Observ  
Box 515  
S 752 29 Uppsala  
Sweden  
☎ 46 18 50 0857  
☎ 46 18 52 7583

**Elwert Gerhard**  
Lehrstuhl Theoret Astro  
Physik Univ Tuebingen  
Auf d Morgenstelle 12 C  
D 72076 Tuebingen  
Germany  
☎ 49 707 129 6483

**Emanuele Alessandro**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
☎ 39 6 2066 0188  
✉ capaneo@saturn.rm.  
fra.cnr.it

**Emelianov Nikolaj V**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 3764  
☎ 7 095 939 0126  
✉ emelia@sai.msu.su

**Emerson Darrel Trevor**  
NRAO  
Campus Bg 65  
949 N Cherry Av  
Tucson AZ 85721 0655  
USA  
☎ 1 520 882 8250\*117  
☎ 1 520 882 7955  
✉ demerson@nrao.edu

**Emerson James P**  
Astrophysics Group  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5040  
☎ 44 181 975 5500  
✉ j.p.emerson@  
qmw.ac.uk

**Eminzade T A**  
Shemakha Astrophysical  
Observ  
Azerbaijan Acad Sci  
373243 Shemakha  
Azerbaijan  
☎ 994 89 22 39 8248

**Emslie A Gordon**  
Physics Dpt  
Univ of Alabama  
Huntsville AL 35899  
USA  
☎ 1 205 895 6167  
☎ 1 205 895 6790

**Enard Daniel**  
ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6251  
☎ 49 893 202 362

**Encrenaz Pierre J**  
DEMIRM  
ENS  
24 r Lhomond  
F 75231 Paris Cdx 05  
France  
☎ 33 1 43 29 1235  
☎ 33 1 40 51 2002

**Encrenaz Therese**  
Observ Paris Meudon  
DESPA  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7691  
☎ 33 1 45 07 7971

**Endal Andrew S**  
Applied Res Corp  
8201 Corporate Dr  
Suite 920  
Landover MD 20785  
USA  
☎ 1 301 459 8442  
☎ 1 301 459 3761

**Engelbrecht Christian**  
Univ Stellenbosch  
0001 Pretoria  
South Africa

**Engels Dieter**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4136  
☎ 49 407 252 4198  
✉ engels@hs.uni-  
hamburg.de

**Engin Semanur**  
Astronomy Dpt  
Univ of Ankara  
Fen Fakultesi  
06100 Besevler  
Turkey  
☎ 90 41 216 6720  
☎ 90 312 223 2395

**Enginol Turan B**  
Inst Graduate Studies  
In Science/Eng  
Bogazici Univ  
34452 Istanbul  
Turkey  
☎ 90 1 163 1500  
☎ 90 1 165 8480  
✉ enginol@f.tr.boun

**English Jayanne**  
Physics Dpt  
Queen's Univ  
Stirling Hall  
Kingston ONT K7L 3N6  
Canada  
☎ 1 613 545 6000\*4781  
☎ 1 613 545 6463  
✉ english@astro.  
queensu.ca

**Engvold Oddbjorn**  
Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway  
☎ 47 22 856 521  
☎ 47 22 856 505  
✉ oddbjorn.engvold@  
astro.uio.no

**Enome Shinzo**  
NAOJ  
VSOP  
Osawa 2- 21-2  
Mitaka 181  
Japan  
☎ 81 422 34 3914  
☎ 81 442 34 3869  
✉ enome@hotaka.mtk.  
nao.ac.jp

**Enslin Heinz**  
Alstedderstr 180  
D 44534 Luenen  
Germany

**Epishev Vitali P**  
Lab Cosmic Investigat  
Univ  
Dalyokaya Str 2a  
294000 Uzhgorod  
Ukraine  
☎ 380 3122 36065  
☎ 380 3122 36136

**Epps Harland Warren**  
Dpt Astronomy/Phys  
UCLA  
Box 951562  
Los Angeles CA 90025 1562  
USA  
☎ 1 310 825 3025  
☎ 1 310 206 2096

**Epstein Eugene E**  
LANL  
MS D 436  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 5127  
☎ 1 505 665 4414  
✉ epstein@lanl.gov

**Epstein Gabriel Leo**  
NASA GSFC  
Code 682  
Greenbelt MD 20771  
USA  
☎ 1 301 286 0722  
☎ 1 301 286 1617

**Epstein Richard I**  
LANL  
MS 436  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 9595  
☎ 1 505 665 4055

**Ercan E Nihal**  
Kandilli Observ  
Bogazici Univ  
Cengelkoy  
81220 Istanbul  
Turkey  
☎ 90 1 332 0240/41  
☎ 90 1 265 7131

**Erdi B**  
Astronomy Dpt  
Eotvos Univ  
Ludovika ter 2  
H 1083 Budapest  
Hungary  
☎ 36 1 114 1019  
☎ 36 1 210 1089

**Ergma E V**  
Dpt Th Phys/Astrophys  
Tartu Univ  
Uelikoili 18  
EE 2400 Tartumaa  
Estonia  
☎ 372 73 775

**Erickson William C**  
Physics Dpt  
Univ Tasmania  
GPO Box 252c  
Hobart TAS 7001  
Australia  
☎ 61 2 202 401  
☎ 61 2 202 186

**Eriguchi Yoshiharu**  
Dpt Earth Sci/Astron  
Univ of Tokyo  
Meguro Ku  
Tokyo 153  
Japan  
☎ 81 346 71 171\*439  
① 81 334 85 2904

**Eriksen Gunnar**  
Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway  
☎ 47 22 856 515  
① 47 22 85 6505

**Eriksson Kjell**  
Astronomical Observ  
Box 515  
S 751 20 Uppsala  
Sweden  
☎ 46 18 51 2488  
① 46 18 52 7583  
✉ Kjell.Eriksson@  
astro.uu.se

**Eroshkin Georgiy I**  
Inst Theoret Astron  
Acad Sciences  
10 Nab Kutuzova  
191187 St Petersburg  
Russia  
☎ 7 812 275 0360  
① 7 812 272 7968  
✉ 1036@ita.spb.us

**Eryplev Nikolaj P**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
① 7 095 230 2081

**Ersbkovich Alexander**  
Dpt Geophys/Planet Sci  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 641 3505  
① 972 3 640 9282

**Ertan A Yener**  
Dpt Astron/Space Sci  
Ege Univ  
Box 21  
35100 Bornova Izmir  
Turkey  
☎ 90 232 388 0110\*2322

**Escalante Vladimir**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3908  
① 52 5 616 0653  
✉ vladimir@astroscu.  
unam.mx

**Eshleman Von R**  
Stanford Univ  
Durand 221  
Stanford CA 94305  
USA  
☎ 1 415 497 3531  
① 1 415 723 4840

**Esipov Valentin F**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2858  
① 7 095 939 0126

**Eskioglu A Nihat**  
Ozanlar Astrophys Lab  
Sakarya Fakultesi  
Ars Gor Metin Saltik  
Adapazari  
Turkey

**Eskridge Paul B**  
Cfa  
HCO/SAO MS 81  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 496 7585  
① 1 617 495 7356  
✉ eskridge@cfa.  
harvard.edu

**Espey Brian Russell**  
CAS  
JHU  
Charles/34th St  
Baltimore MD 21218 2695  
USA  
☎ 1 301 516 5514  
① 1 410 516 8260  
✉ espey@pha.jhu.edu

**Esposito F Paul**  
Physics Dpt  
Univ of Cincinnati  
210 Braunstein Ml 11  
Cincinnati OH 45221 0111  
USA  
☎ 1 513 475 2233  
① 1 513 556 3425

**Esposito Larry W**  
LASP  
Univ of Colorado  
Campus Box 392  
Boulder CO 80309 0392  
USA  
☎ 1 303 492 7325  
① 1 303 492 6946

**Esser Ruth**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 496 7566  
① 1 617 495 7049  
✉ esser@cfa.harvard.edu

**Estalella Robert**  
Dpt Fisica Atmosfera  
Univ Barcelona  
Avd Diagonal 645  
E 08028 Barcelona  
Spain  
☎ 34 3 330 7311\*298  
① 34 3 402 1133

**Esteban Lopez Cesara**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117

**Etzel Paul B**  
Astronomy Dpt  
San Diego State Univ  
San Diego CA 92182  
USA  
☎ 1 619 495 6169  
① 1 619 594 5485  
✉ etzel@mintaka.sdsu.edu

**Eubanks Thomas Marshall**  
7243 Archlaw Dr  
Clifton VA 22024 2126  
USA  
✉ tme@cygx3.usno.  
navy.mil

**Evangelidis E**  
1 Monks Horton Way  
St Albans AL1 4HA  
UK

**Evans Aneurin**  
Physics Dpt  
Univ of Keele  
Keele ST5 5BG  
UK  
☎ 44 178 262 1111  
① 44 178 271 1093

**Evans Dafydd Wyn**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 1223 374 000  
① 44 12 23 374 700  
✉ dwe@mail.ast.cam.  
ac.uk

**Evans Ian Nigel**  
Cfa  
HCO/SAO MS 27  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 496 7846  
① 1 617 495 7040  
✉ evans\_i@head-cfa.  
harvard.edu

**Evans J V**  
Comsat Corp  
6560 Rock Spring Dr  
Bethesda MD 20817  
USA  
☎ 1 301 214 3211  
① 1 301 214 7130

**Evans John W**  
1 Baya Rd  
Eldorado  
Santa Fe NM 87503  
USA

**Evans Kenton Dower**  
Dpt Phys/X-Ray Astron  
Univ Leicester  
University Rd  
Leicester LE1 7RN  
UK  
☎ 44 116 252 2073  
① 44 116 250 182

**Evans Nancy Remage**  
Cfa  
HCO/SAO MS 4  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 3627

**Evans Neal J**  
Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 4461  
① 1 512 471 6016

**Evans Robert**  
Villa 7  
1 Gendarrah St  
Hazelbrook NSW 2779  
Australia  
☎ 61 47 589 053

**Evans Roger G**  
Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 821 900  
① 44 12 35 44 5808

**Evans W Doyle**  
10115 S 69th East Av  
Tulsa OK 74133 6719  
USA

**Evans Wyn**  
49 Herford Av.  
London SW14 8EH  
UK  
☎ 44 1633 867 551

**Eviatar Aharon i**  
Dpt Geophys/Planet Sci  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 642 0620  
① 972 3 640 9282

**Evren Serdar**  
Dpt Astron/Space Sci  
Ege Univ  
Box 21  
35100 Bornova Izmir  
Turkey  
☎ 90 232 388 0110\*2322  
✉ sevren@bornova.ege.edu.tr

## M62

**Ewen Harold I**  
Hillcrest Dr 60  
Beaver  
South Deerfield MA 01373  
USA

**Ewing Martin S**  
Astronomy Dpt  
Yale Univ  
Box 208267  
New Haven CT 06520 8267  
USA  
☎ 1 203 432 4243  
📞 1 203 432 2797  
✉ martin.ewing@yale.edu

**Ezer-Eryurt Dilhan**  
Physics Dpt  
Middle East Tech Univ  
06531 Ankara  
Turkey  
☎ 90 41 23 7100\*3255

## F

**Fabbiano Giuseppina**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7204  
☎ 1 617 495 7356

**Faber Sandra M**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 429 2944  
☎ 1 831 426 3115

**Fabian Andrew C**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
☎ 44 12 23 337 523  
✉ acf@ast.cam.ac.uk

**Fabregat Juan**  
Dpt Astron/Astrofísica  
Univ Valencia  
Dr Moliner 50  
E 46100 Burjassot  
Spain  
☎ 34 6 398 3071  
☎ 34 6 398 3084  
✉ juan@pleione.uv.es

**Fabricant Daniel G**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7398  
☎ 1 617 495 7356  
✉ dgf@cfa.harvard.edu

**Fabricius Claus V**  
Astronomical Observ., NBIfAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5966  
☎ 45 35 32 5989  
✉ cf@astro.ku.dk

**Fabrika Sergei**  
SAO  
Acad Sciences  
Nizhnij Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 878 784 6155  
☎ 7 96 908 2861  
✉ fabrika@sao.ru

**Facondi Silvia Rosa**  
Istt Radioastronomia  
CNR  
Via P Gobetti101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9383  
☎ 39 51 630 5700  
✉ sfacondi@astbo1.  
bo.cnr.it

**Fadeyev Yuri A**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
☎ 7 095 230 2081

**Faelthammar Carl Gunne**  
Dpt Plasma Physics  
Royal Inst of Technology  
S 100 44 Stockholm 70  
Sweden  
☎ 46 86 87 7685

**Fahey Richard P**  
NASA/GSFC  
Code 684  
Greenbelt MD 20771  
USA  
☎ 1 301 286 9877  
☎ 1 301 286 1753  
✉ fahey@stars.gsfc.  
nasa.gov

**Fahlman Gregory G**  
Dpt Geophys/Astronomy  
UBC  
2075 Wesbrook Pl  
Vancouver BC V6T 1W5  
Canada  
☎ 1 604 228 4891  
☎ 1 604 228 6047

**Fahr Hans Joerg**  
IAEF  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany  
☎ 49 228 73 3677  
☎ 49 228 73 3672

**Fairall Anthony P**  
Astronomy Dpt  
Univ of Cape Town  
Private Bag  
7700 Rondebosch  
South Africa  
☎ 27 21 650 2392  
☎ 27 21 650 3352  
✉ fairall@uctvms.uct.  
ac.za

**Falchi Ambretta**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52236  
☎ 39 55 220 039  
✉ falchi@arcetri.  
astro.it

**Falciani Roberto**  
Dpt Astronomia  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
☎ 39 55 22 0039

**Falco-Acosta Emilio E**  
CfA  
HCO/SAO MS 19  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7131  
☎ 1 617 495 7467  
✉ falco@cfa.harvard.edu

**Falgarone Edith**  
DEMIRM  
ENS  
24 r Lhomond  
F 75231 Paris Cdx 05  
France  
☎ 33 1 43 29 1225  
☎ 33 1 40 51 2002  
✉ edith@ensapa.ens.fr

**Falk Sydney W**  
1011 Shelley Av  
Austin TX 78703  
USA

**Fall S Michael**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4700  
☎ 1 301 338 4767

**Falle Samuel A**  
Dpt Appl Maths  
Univ of Leeds  
Leeds LS2 9JT  
UK  
☎ 44 113 233 5110  
☎ 44 113 242 9525

**Faller James E**  
JILA/NBS  
Univ of Colorado  
Campus Box 400  
Boulder CO 80309 0440  
USA  
☎ 1 303 492 8509

**Fallon Frederick W**  
NGS  
N/cg 114 Noaa  
6010 Executive Blvd  
Rockville MD 20852  
USA  
☎ 1 301 443 8424  
✉ ffallon@dc.infi.net

**Falomo Renato**  
Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3464  
☎ 39 49 875 9840  
✉ falomo@astrpd.  
astro.it

**Fan Ying**  
Astronomy Dpt  
Beijing Normal Univ  
Beijing 100875  
China PR  
☎ 86 1 65 3531\*6285  
☎ 86 1 201 3929

**Fan Yu**  
Yunnan Observ  
CAS  
Kunming 650911  
China PR  
☎ 86 871 718 7153  
☎ 86 871 717 1845  
✉ ynao@public.km.yn.cn

**Fang Cheng**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 34651\*2882  
☎ 86 25 330 2728

**Fang Li-zhi**  
Dpt Phys/Astronomy  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 4721  
☎ 1 520 621 4721  
✉ fanglz@time.physics.  
arizona.edu

**Fanselow John Lyman**  
 CALTECH/JPL  
 MS 169 315  
 4800 Oak Grove Dr  
 Pasadena CA 91109 8099  
 USA  
 ☎ 1 213 354 6323  
 ☎ 1 818 393 6030

**Fanti Carla Giovannini**  
 Istt Radioastronomia  
 CNR  
 Via P Gobetti 101  
 I 40129 Bologna  
 Italy  
 ☎ 39 51 639 9385  
 ☎ 39 51 639 9385

**Fanti Roberto**  
 Istt d Fisica  
 Univ d Bologna  
 Via Irnerio 46  
 I 40126 Bologna  
 Italy  
 ☎ 39 51 232 856/57

**Faraggiana Rosanna**  
 OAT  
 Box Succ Trieste 5  
 Via Tiepolo 11  
 I 34131 Trieste  
 Italy  
 ☎ 39 40 31 99255  
 ☎ 39 40 30 9418

**Farinella Paolo**  
 Dpt Matematica  
 Univ d Pisa  
 Via Buonarroti 2  
 I 56127 Pisa  
 Italy  
 ☎ 39 50 844 254  
 ☎ 39 50 844 224  
 ✉ paolof@dm.unipi.it

**Farnik Frantisek**  
 Astronomical Institute  
 Czech Acad Sci  
 Fricova 1  
 CZ 251 65 Ondrejov  
 Czech R  
 ☎ 420 204 85 7329  
 ☎ 420 2 88 1611  
 ✉ ffarnik@asu.cas.cz

**Faucher Paul**  
 OCA  
 Observ Nice  
 BP 139  
 F 06304 Nice Cdx 4  
 France  
 ☎ 33 4 93 89 0420  
 ☎ 33 4 92 00 3033

**Faulkner Donald J**  
 MSSSO  
 Weston Creek  
 Private Bag  
 Canberra ACT 2611  
 Australia  
 ☎ 61 262 881 111  
 ☎ 61 262 490 233

**Faulkner John**  
 Lick Observ  
 Univ of California  
 Santa Cruz CA 95064  
 USA  
 ☎ 1 831 429 2815  
 ☎ 1 831 426 3115

**Faundez-Abans M**  
 Observ Nacional  
 Rua Coronel Renno 07  
 CP 21  
 37500 Itajuba Mg  
 Brazil  
 ☎ 55 356 22 0788  
 ✉ ina@eu.ansp.br

**Faurobert-Scholl Marianne**  
 OCA  
 Observ Nice  
 BP 139  
 F 06304 Nice Cdx 4  
 France  
 ☎ 33 4 92 00 3011  
 ☎ 33 4 92 00 3033

**Fawell Derek R**  
 UCLLO  
 ULO  
 Mill Hill Park  
 London NW7 2QS  
 UK  
 ☎ 44 181 959 0421  
 ☎ 44 171 380 7145

**Fay Theodore D**  
 Teledyne Brown Eng  
 Cummings Res Park  
 MS 19  
 Huntsville AL 35807  
 USA

**Fazio Giovanni G**  
 Cfa  
 HCO/SAO  
 60 Garden St  
 Cambridge MA 02138 1516  
 USA  
 ☎ 1 617 495 7458  
 ☎ 1 617 495 7490  
 ✉ gfazio@cfa.harvard.edu

**Feast Michael W**  
 SAAO  
 PO Box 9  
 7935 Observatory  
 South Africa  
 ☎ 27 21 47 0025  
 ☎ 27 21 47 3639

**Feautrier Nicole**  
 Observ Paris Meudon  
 DAMAP  
 PI J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7552  
 ☎ 33 1 45 07 7971

**Federici Luciana**  
 Dpt Astronomia  
 Univ d Bologna  
 Via Zamboni 33  
 I 40126 Bologna  
 Italy  
 ☎ 39 51 259 301  
 ☎ 39 51 259 407

**Federman Steven Robert**  
 Dpt Phys/Astronomy  
 Univ of Toledo  
 2801 W Bancroft St  
 Toledo OH 43606  
 USA  
 ☎ 1 419 537 2652  
 ☎ 1 419 530 2723

**Fedorov Petro**  
 Astronomical Observ  
 Kharkiv State Univ  
 Sumska Str 35  
 310002 Kharkiv  
 Ukraine  
 ☎ 380 5724 32428  
 ✉ pnf@astron.kharkov.ua

**Fegan David J**  
 Physics Dpt  
 Univ College  
 Belfield  
 Dublin 4  
 Ireland  
 ☎ 353 1 693 244  
 ☎ 353 1 671 1759

**Fehrenbach Charles**  
 Les Magnanailles  
 Lourmarin  
 F 84160 Cadenet  
 France  
 ☎ 33 4 90 68 0028

**Feibelman Walter A**  
 NASA GSFC  
 Code 685  
 Greenbelt MD 20771  
 USA  
 ☎ 1 301 286 5272  
 ☎ 1 301 286 1617

**Feigelson Eric D**  
 Astronomy Dpt  
 Pennsylvania State Univ  
 525 Davey Lab  
 University Park PA 16802  
 USA  
 ☎ 1 814 865 0162  
 ☎ 1 814 863 7114  
 ✉ edf@astro.psu.edu

**Feinstein Alejandro**  
 Observ Astronomico  
 Paseo d Bosque.S/n  
 1900 La Plata (Bs As)  
 Argentina  
 ☎ 54 21 25 8985  
 ☎ 54 21 211 761  
 ✉ afeinstein@fcaglp.  
 edu.ar

**Feinstein Carlos**  
 Observ Astronomico  
 Paseo d Bosque S/n  
 1900 La Plata (Bs As)  
 Argentina  
 ☎ 54 21 217 308  
 ☎ 54 21 258 985  
 ✉ cfeinstein@fcaglp.  
 edu.ar

**Feissel Martine**  
 Observ Paris  
 DANOF  
 61 Av Observatoire  
 F 75014 Paris  
 France  
 ☎ 33 1 40 51 2015  
 ☎ 33 1 40 51 2291  
 ✉ feissel@obspm.fr

**Feitzinger Johannes**  
 Astronomisches Institut  
 Ruhr Univ Bochum  
 Postfach 102148  
 D 44780 Bochum  
 Germany  
 ☎ 49 234 700 3450  
 ☎ 49 234 709 4169

**Feix Gerhard**  
 Inst Theor Physik  
 Ruhr Univ Bochum  
 Postfach 102148  
 D 46047 Bochum  
 Germany  
 ☎ 49 234 700 2051  
 ☎ 49 234 709 4169

**Fejes Istvan**  
 Fomi Satellite  
 Geodetic Observ  
 Box 546  
 H 1373 Budapest  
 Hungary

**Fekel Francis C**  
 Ctr Excellence Inform Sys  
 Tennessee State Univ  
 330 10th Av North  
 Nashville TN 37203 3401  
 USA  
 ☎ 1 615 963 7302  
 ☎ 1 615 963 7027  
 ✉ fekel@coe.tnstate.edu

**Feldman Paul A**  
 NRCC/HIA  
 100 Sussex Dr  
 Ottawa ON K1A 0R6  
 Canada  
 ☎ 1 613 993 6060  
 ☎ 1 613 952 6004  
 ✉ paf@hijas.hia.nrc.ca

**Feldman Paul Donald**  
 Dpt Phys/Astronomy  
 JHU  
 Charles/34th St  
 Baltimore MD 21218  
 USA  
 ☎ 1 301 516 7339  
 ☎ 1 301 338 5494  
 ✉ pdf@pha.jhu.edu

**Feldman Uri**  
 NRL  
 Holburt Ctr for Spaces Re  
 4555 Overlook Av SW  
 Washington DC 20375 5000  
 USA  
 ☎ 1 202 767 3286



- Felenbok Paul**  
Observ Paris Meudon  
DAEC  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7523  
☎ 33 1 45 07 7511  
✉ felenbok@obspm.fr
- Felli Marcello**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52240  
☎ 39 55 22 0039  
✉ felli@arcetri.astro.it
- Felten James E**  
NASA GSFC  
Code 685  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6364  
☎ 1 301 286 1617  
✉ felten@stars.gsfc.nasa.gov
- Feng Hesheng**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
☎ 86 871 717 1845
- Feng Kejia**  
Astronomy Dpt  
Beijing Normal Univ  
Beijing 100875  
China PR  
☎ 86 1 65 3531\*6967  
☎ 86 1 201 3929
- Fenkart Rolf P**  
Astronomisches Institut  
Univ Basel  
Venusstr 7  
CH 4102 Binningen  
Switzerland  
☎ 41 61 271 7711/12  
☎ 41 61 205 5455
- Fenton K B**  
Physics Dpt  
Univ Tasmania  
GPO Box 252c  
Hobart TAS 7001  
Australia  
☎ 61 2 202 411  
☎ 61 2 202 410
- Feretti Luigina**  
Istt Radioastronomia  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9412  
☎ 39 51 639 9431  
✉ lferetti@astbo1.bo.cnr.it
- Ferland Gary Joseph**  
Dpt Phys/Astronomy  
Univ Kentucky  
Lexington KY 40506 0055  
USA  
☎ 1 606 257 6722  
☎ 1 606 323 2846  
✉ gary@asta.pa.uky.edu
- Ferlet Roger**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8074  
☎ 33 1 44 32 8001  
✉ ferlet@iap.fr
- Ferluga Steno**  
Dpt Astronomia  
Univ d Trieste  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 76 3912  
☎ 39 40 30 9418
- Fernandez Jean-Claude**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
☎ 33 4 92 00 3033
- Fernandez Julio A**  
Dpt Astronomia  
Fac Humani/Ciencia  
Tristan Naraja 1674  
Montevideo 11200  
Uruguay  
☎ 598 2 419 087/089  
☎ 598 2 409 973
- Fernandez Silvia M**  
Observ Astronomico  
de Cordoba  
Laprida 854  
5000 Cordoba  
Argentina  
☎ 54 51 23 0491  
☎ 54 51 21 0613  
✉ silfer@astro.edu.ar
- Fernandez-Figueroa M J**  
Dpt Astrofisica  
Fac Fisica  
Univ Complutense  
E 28040 Madrid  
Spain  
☎ 34 1 449 5316  
☎ 34 1 394 5195
- Fernie J Donald**  
David Dunlap Observ  
Univ of Toronto  
Box 360  
Richmond Hill ON L4C 4Y6  
Canada  
☎ 1 905 884 9562  
☎ 1 905 884 2672  
✉ fernie@astro.utoronto.ca
- Ferrari Attilio**  
Dpt Fisica Generale  
Univ d Torino  
Via P Giuria 1  
I 10125 Torino  
Italy  
☎ 39 11 670 7457/810 1902  
☎ 39 11 670 7457  
✉ ferrari@to.astro.it
- Ferraz-Mello Sylvio**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599\*218  
☎ 55 11 577 0270/276 3848  
✉ sylvio@usp.br  
sylvio@iagusp.usp.br
- Ferrer Martínez Sebastian**  
Dpt Fis Tierra/Cosmos  
Univ Zaragoza  
E 50009 Zaragoza  
Spain  
☎ 34 7 676 1000  
☎ 34 7 676 1140
- Ferrer Osvaldo Eduardo**  
Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
☎ 54 21 211 761
- Ferreri Walter**  
Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9000  
☎ 39 11 461 9030
- Ferrin Ignacio**  
Dpt Fisica  
Univ Los Andes  
Merida 5101 A  
Venezuela  
☎ 58 7 463 9930/7477  
☎ 58 7 444 1723
- Ferrini Federico**  
Dpt Fisica  
Univ d Pisa  
Piazza Torricelli 2  
I 56100 Pisa  
Italy  
☎ 39 50 911 291  
☎ 39 50 48 277  
✉ federico@astr2pi.unipi.it
- Ferriz-Mas Antonio**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117  
✉ afm@ll.iac.es
- Ferro Ramos Isabel**  
Apt P 1517  
Carmelitas 1010  
Caracas  
Venezuela  
✉ iferro@skynet.usb.ve
- Fesen Robert A**  
Dpt Phys/Astronomy  
Dartmouth College  
6127 Wilder Lab  
Hanover NH 03755  
USA  
☎ 1 603 646 2949  
☎ 1 603 646 1446  
✉ fesen@parsec.dartmouth.edu
- Festou Michel C**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
☎ 33 5 61 27 3179  
✉ festou@astro.obs-mip.fr
- Fey Alan Lee**  
USNO  
Code EO  
3450 Massachusetts Av NW  
Washington DC 20392 5420  
USA  
☎ 1 202 762 1517  
☎ 1 202 762 1563  
✉ afey@alf.usno.navy.mil
- Feynman Joan**  
CALTECH/JPL  
MS 144 218  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 3454  
☎ 1 818 393 6030
- Fiala Alan D**  
USNO  
Astronomical Applicat Dpt  
3450 Massachusetts Av NW  
Washington DC 20392 5420  
USA  
☎ 1 202 653 1274  
☎ 1 202 653 0179  
✉ adf@newcomb.usno.navy.mil
- Ficarra Antonino**  
Istt Radioastronomia  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9385  
☎ 39 51 639 9385
- Fich Michel**  
Physics Dpt  
Univ Waterloo  
Waterloo ON N2L 3G1  
Canada  
☎ 1 519 885 1572  
☎ 1 519 746 8115

**Fichtel Carl E**  
NASA GSFC  
Code 660  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6281  
✉ fichtel@ileavx.gsfc.nasa.gov

**Fiebig Dirk**  
Inst Theor Astrophysik  
d Univer  
Tiergartenstr 15  
D 69121 Heidelberg  
Germany  
☎ 49 622 154 8974  
☎ 49 622 154 4221  
✉ fiebig@tethys.ita.uni-heidelberg.de

**Fiedler Ralph L**  
NRL  
Code 4210  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 0644  
✉ fiedler@rira.nrl.navy.mil

**Fiedler Russell**  
Mathematics Dpt  
Univ of St Andrews  
St Andrews North Haugh  
Fife KY16 9SS  
UK  
☎ 44 13 34 7661  
☎ 44 13 347 4487

**Field David**  
School of Chemistry  
Cantocks Close  
Bristol BS8 1TS  
UK  
☎ 44 11 79 24161\*505

**Field George B**  
CFA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 4721  
☎ 1 617 495 7356  
✉ field@cfa.harvard.edu

**Fielder Gilbert**  
Willow Tree  
Eldroth Austwick  
Lancaster LA2 8AH  
UK

**Fienberg Richard T**  
Sky/Telescope  
Box 9111  
Belmont MA 02178 9111  
USA  
☎ 1 617 864 7360  
☎ 1 617 864 6117  
✉ rfienberg@skypub.com

**Fierro Julieta**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653  
✉ julieta@astroscu.unam.mx

**Figueras Francesca**  
Dpt Astronom Meteo  
Univ Barcelona  
Avd Diagonal 647  
E 08028 Barcelona  
Spain  
☎ 34 3 402 1125  
☎ 34 3 402 1133  
✉ d3faffs@eb0ub011

**Filipov Latchezar**  
Space Res Inst  
Bulgarian Acad Sci  
Moskova St 6  
BG 1000 Sofia  
Bulgaria  
☎ 359 2 87 0978

**Filippenko Alexei V**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 415 642 1813  
☎ 1 510 642 3411  
✉ alex@bkyst

**Filloy Emilio Manuel E E**  
IAR  
CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 4 3793  
☎ 54 21 211 761

**Pink Uwe**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 2736  
☎ 1 520 621 4933

**Finkelstein Andrej M**  
Inst Appl Astronomy  
Acad Sciences  
Zhdanovskaya Ul 8  
197042 St Petersburg  
Russia  
☎ 7 812 230 7414  
☎ 7 812 230 7413

**Finn Lee Samuel**  
Dpt Phys/Astronomy  
NW Univ  
2131 Sheridan Rd  
Evanston IL 60208 3112  
USA  
☎ 1 708 491 4568  
☎ 1 708 491 9982  
✉ lsf@holmes.astro.nwu.edu

**Finzi Arrigo**  
Mathematics Dpt  
IIT  
Technion City  
Haifa 32000  
Israel  
☎ 972 4 293 020

**Firmani Claudio A**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653  
✉ firmani@aleph.cinstrum.unam.mx

**Firneis Friedrich J**  
Comp Ctr Acad Sci  
Sonnenfelsgasse 19/1  
A 1010 Wien  
Austria

**Firneis Maria G**  
Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 345 3600  
☎ 43 1 470 6015

**Firor John W**  
HAO  
NCAR  
Box 3000  
Boulder CO 80307 3000  
USA  
☎ 1 303 497 1600  
☎ 1 303 497 1568

**Fischel David**  
6072 Warm Stone Ct  
Columbia MD 21045  
USA  
☎ 1 410 730 8660  
☎ 1 410 730 8660  
✉ dfischel@eosat.com

**Fischer Jacqueline**  
NRL  
Remote Sensing Div 7217  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 3058  
☎ 1 202 404 8894  
✉ jfischer@irfp8.nrl.navy.mil

**Fischer Stanislav**  
Astronomical Institute  
Czech Acad Sci  
Bočni II 1401  
CZ 141 31 Praha 4  
Czech R  
☎ 420 2 67 10 3062  
☎ 420 2 76 90 23  
✉ fischer@ig.cas.cz

**Fisher George Hewitt**  
Space Sci Laboratory  
Univ of California  
Grizzly Peak Blvd  
Berkeley CA 94720 7950  
USA  
☎ 1 510 642 7297  
☎ 1 510 643 8302  
✉ finsher@sunsport.ssl.berkeley.edu

**Fisher J Richard**  
NRAO  
Box 2  
Green Bank WV 24944  
USA  
☎ 1 304 456 2011  
☎ 1 304 456 2271

**Fisher Philip C**  
Ruffner Associates  
Box 1867  
Santa Fe NM 87504 1867  
USA

**Fisher Richard R**  
NASA GSFC  
Code 682  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8811

**Fishman Gerald J**  
NASA/MSFC  
Space Science Lab  
Code ES 81  
Huntsville AL 35812  
USA  
☎ 1 205 544 7691  
☎ 1 205 544 5800  
✉ fishman@ssl.msfc.nasa.gov

**Fitch Walter S**  
Box 100  
Oracle AZ 85623  
USA  
☎ 1 602 896 2911

**Fitton Brian**  
ESA/ESTEC  
Astrophysics Division  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 6555  
☎ 31 71 565 4532

**Fitzgerald M Pim**  
Physics Dpt  
Univ Waterloo  
Waterloo ON N2L 3G1  
Canada  
☎ 1 519 885 1572  
☎ 1 519 746 8115

**Fitzpatrick Edward L**  
Princeton Univ Obs  
Peyton Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 258 3702  
☎ 1 609 258 1020  
✉ fitz@astro.princeton.edu

**Fitzsimmons Alan**

Physics Dpt  
Queen's Univ  
Belfast BT7 1NN  
UK  
☎ 44 12 32 273 124  
① 44 12 32 438 918  
✉ a.fitzsimmons@qub.ac.uk

**Fix John D**

Dpt Phys/Astronomy  
Univ of Iowa  
605 Brookland Park Dr  
Iowa City IA 52242 1479  
USA  
☎ 1 319 353 7064  
① 1 319 335 1753

**Flanagan Claire Susan**

HartRAO  
FRD  
PO Box 443  
1740 Krugersdorp  
South Africa  
☎ 27 11 642 4692  
① 27 11 642 2424  
✉ claire@bootes.hartrao.ac.za

**Flannery Brian Paul**

Exxon Res/Eng  
Route 22 East  
Annandale NJ 08801  
USA  
☎ 1 201 730 2540

**Fleck Robert Charles**

Dpt Math/Phys Sci  
Embry Riddle Aeron Univ  
Daytona FL 32114  
USA  
☎ 1 904 226 6612  
① 1 904 226 6713

**Fleischer Robert**

108 Overlook St  
Route 2 Box 515  
Moorefield WV 26836  
USA

**Fleming Thomas Anthony**

Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 5049  
① 1 520 621 1532  
✉ taf@as.arizona.edu

**Fletcher J Murray**

NRCC/HIA  
DAO  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 363 0017  
① 1 250 363 0045  
✉ murray.fletcher@hia.nrc.ca

**Fliegel Henry F**

Box 8682  
La Crescenta CA 91224  
USA  
☎ 1 310 336 1710  
① 1 310 336 5076  
✉ fliegel@courier1.aero.org

**Flin Piotr**

Pedagogical Univ  
Inst of Physics  
Ul Podchorzacych 2  
PL 30 084 Krakow  
Poland  
☎ 48 12 37 4777\*280  
① 48 12 372 2243  
✉ sfflin@pikrcy11

**Floquet Michele**

Observ Paris Meudon  
DASGAL  
PJ Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7851  
① 33 1 45 07 7872

**Floria Luis**

Gr Mecan Espacial  
Univ Zaragoza  
E 50009 Zaragoza  
Spain  
☎ 34 7 676 1000  
① 34 7 676 1140

**Flordes Petros S**

TCO  
Physics Dpt  
College Green  
Dublin 2  
Ireland  
☎ 353 1 608 1675  
① 353 1 671 1759

**Florkowski David R**

USNO  
3450 Massachusetts Av NW  
Washington DC 20392 5100  
USA  
☎ 1 202 762 1569  
① 1 202 762 1563  
✉ drf@maia.usno.navy.mil

**Florsch Alphonse**

Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0735  
① 33 3 88 25 0160

**Flower David R**

Physics Dpt  
Univ of Durham  
South Rd  
Durham DH1 3LE  
UK  
☎ 44 191 374 2145  
① 44 191 374 3749  
✉ david.flower@durham.ac.uk

**Fludra Andrzej**

Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 44 6497  
① 44 12 35 44 6509  
✉ af@ast.star.rl.ac.uk

**Flynn Chris**

Turku Univ  
Tuorla Observ  
Vaaisaelentie 20  
FIN 21500 Piikkiö  
Finland  
☎ 358 2 274 4244  
① 358 2 243 3767  
✉ cflynn@astro.utu.fi

**Focardi Paola**

Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 401  
① 39 51 259 407

**Fodera Serlio Giorgia**

Osserv Astronomico  
Univ d Palermo  
Piazza Parlamento 1  
I 90134 Palermo  
Italy  
☎ 39 91 657 0451  
① 39 91 48 8900

**Foffi Massimo**

OAR  
Via d Parco Mellini 84  
I 00136 Roma  
Italy  
☎ 39 6 34 7056  
① 39 6 349 8236

**Fogarty William G**

IBM  
NCMD  
411 East Wisconsin Av  
Milwaukee WI 53202  
USA

**Foing Bernard H**

ESA/ESTEC  
SSD  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 5647  
① 31 71 565 4698  
✉ bfoing@estec.esa.nl

**Foing-Ehrenfreund Pascale**

Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5872  
① 31 71 5275 819  
✉ pascale@rubi1.leidenuniv.nl

**Foley Anthony**

NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 521 59 5100  
① 31 52 159 7332  
✉ folred@nfra.nl

**Foltz Craig B**

Mult Mirror  
Telescope Obs  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 1269  
① 1 520 621 4933  
✉ cfoltz@as.arizona.edu

**Fomalont Edward B**

NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 772 4011  
① 1 505 835 7027

**Fomenko Alexandr F**

SAO  
Acad Sciences  
Nizhnij Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 878 789 2501

**Fomichev Valeri V**

ITMIRWP  
Acad Sciences  
142092 Troitsk  
Russia  
☎ 7 095 334 0120  
① 7 095 334 0124

**Fomin Piotr Ivanovich**

Metrologicheskaya St 14b  
252143 Kyiv  
Ukraine

**Fomin Valery**

Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71625  
① 380 6554 40704  
✉ fomin@crao.crimea.ua

**Fomin Valery A**

Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
① 7 812 315 1701

**Fominov Alexandr M**

Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
191187 St Petersburg  
Russia  
☎ 7 812 278 8898  
① 7 812 272 7968

**Fong Chungang**

Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618  
✉ fcg@center.shao.ac.cn

**Fong Richard**

Physics Dpt  
Univ of Durham  
South Rd  
Durham DH1 3LE  
UK  
☎ 44 191 374 2157  
☎ 44 191 374 3749

**Fontaine Gilles**

Dpt d Physique  
Universite Montreal  
CP 6128 Succ A  
Montreal QC H3C 3J7  
Canada  
☎ 1 514 343 6680  
☎ 1 514 343 2071

**Fontenla Juan Manuel**

NASA/MSFC  
Space Science Lab  
Code ES 52  
Huntsville AL 35812  
USA  
☎ 1 205 544 7690  
☎ 1 205 547 7754

**Forbes Douglas**

Sir Wilfred Grenfell Coll  
Memorial Univ  
Newfoundland  
Corner Brook NF A2H 6P9  
Canada  
☎ 1 709 637 6295  
☎ 1 709 637 6390  
✉ dforbes@kean.uccs.  
mun.ca

**Forbes Duncan Alan**

School Phys/Astron  
Univ Birmingham  
Edgbaston  
Birmingham B15 2TT  
UK  
☎ 44 12 1414 6474  
☎ 44 12 14 14 3722  
✉ forbes@star.sr.bham.  
ac.uk

**Forbes J E**

Box 88120  
Indianapolis IN 46208  
USA

**Forbes Terry G**

Space Science Ctr/EOS  
Univ of New Hampshire  
Demeritt Hall  
Durham NH 03857  
USA  
☎ 1 603 862 3872  
✉ t\_forbes@unhh

**Ford Holland C Res**

STScl  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4803  
☎ 1 301 338 4767

**Ford W Kent**

Dpt Terrestre Magnetism  
Carnegie Inst Washington  
5241 Bd Branch Rd NW  
Washington DC 20015 1305  
USA  
☎ 1 202 966 0863  
☎ 1 202 364 8726

**Forestini Manuel**

Observ Grenoble  
Lab Astrophysique  
BP 53x  
F 38041 S Martin Heres Cdx  
France  
☎ 33 4 76 63 5620  
☎ 33 4 76 44 8821  
✉ manuel\_forestini@obs.  
ujf-grenoble.fr

**Forman William Richard**

CFA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7210  
✉ wrf@cfa200.harvard.edu

**Forrest William John**

Dpt Phys/Astronomy  
Univ of Rochester  
Rochester NY 14627 0171  
USA  
☎ 1 716 275 4343  
☎ 1 716 275 4351  
✉ forrest@pas.rochester.edu

**Forster James Richard**

Hat Creek Radio Observ  
RT 2  
Box 500  
Cassel CA 96016  
USA  
☎ 1 916 335 2364  
☎ 1 916 335 3968

**Fort Bernard P**

IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8016  
☎ 33 1 44 32 8001  
✉ fort@iap.fr

**Fort David Norman**

CALTECH/JPL  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 9132  
☎ 1 818 393 6030

**Forte Juan Carlos**

Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
☎ 54 21 211 761  
✉ forte@iafe.uba.ar

**Forti Giuseppe**

Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52236  
☎ 39 55 22 0039  
✉ forti@arcetri.astro.it

**Fortini Teresa**

Via F D Guerrazzi 19  
I 00152 Roma  
Italy

**Forville Thierry**

Observ Grenoble  
Lab Astrophysique  
BP 53x  
F 38041 S Martin Heres Cdx  
France  
☎ 33 4 76 51 4567  
☎ 33 4 76 44 8821

**Foryta Dietmar William**

Dpt Fisica  
Univ Fed d Parana  
CP 19081  
81531 990 Curitiba  
Brazil  
☎ 55 41 366 2323  
☎ 55 41 267 4236  
✉ foryta@fisica.ufpr.br

**Fosbury Robert A E**

ESO  
ST/ECF  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6235  
☎ 49 893 202 362

**Fossat Eric**

OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 52 9805  
☎ 33 4 92 00 3033

**Foster Roger S**

NRL  
Code 7210  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 0669  
☎ 1 202 404 8894  
✉ foster@rira.nrl.navy.mil

**Foukal Peter V**

CRI Inc  
80 Ashford St  
Boston MA 02134  
USA  
☎ 1 617 787 5700  
☎ 1 617 787 4488  
✉ pfoukal@world.std.com

**Fouque Pascal**

Gr Astronomia  
Univ Catolica  
Casilla 104  
Santiago 22  
Chile  
☎ 56 2 552 2375  
☎ 56 2 552 5692  
✉ pfouque@astrouc.puc.cl

**Fox Kenneth**

Dpt Phys/Astronomy  
Univ Tennessee  
503 Physics  
Knoxville TN 37996 1200  
USA  
☎ 1 615 974 2288

**Fox W E**

British Astronomical Ass  
40 Windsor Rd  
Newark Nottinghamshire  
UK  
☎ 44 163 670 4932

**Foy Renaud**

Observ Lyon  
Av Ch Andre  
F 69561 S Genis Laval cdx  
France  
☎ 33 4 78 86 8546  
☎ 33 4 78 86 8386  
✉ foy@image.univ-lyon1.fr

**Frail Dale Andrew**

NRAO  
VLA  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 835 7338  
☎ 1 505 835 7027  
✉ d.frail@nrao.edu

**Fraix-Burnet Didier**

Observ Grenoble  
Lab Astrophysique  
BP 53x  
F 38041 S Martin Heres Cdx  
France  
☎ 33 4 76 63 5727  
☎ 33 4 76 44 8821  
✉ fraix@gag.observ-gr.fr

**Franceschini Gilberto**

Dpt Fisica G Galilei  
Univ d Padova  
Via Marzolo 8  
I 35131 Padova  
Italy  
☎ 39 49 84 4111  
☎ 39 49 84 4245

**Franchini Mariagrazia**

OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 31 99255  
☎ 39 40 30 9418

**Francis Paul**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 798 039  
☎ 61 2 62490 233  
✉ pfrancis@mso.anu.edu.au

**Francio Jose**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 548 0653  
✉ jjfranco@alfa.astroscu.unam.mx

**Franco Mantovani**  
Istt Radioastronomia  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9385  
☎ 39 51 639 9385

**Francois Patrick**  
Observ Paris Meudon  
DASGAL  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 97 7867  
☎ 33 1 45 07 7472

**Frandsen Soeren**  
Inst Phys/Astronomy  
Univ of Aarhus  
Ny Munkegade  
DK 8000 Aarhus C  
Denmark  
☎ 45 86 12 8899  
☎ 45 86 20 2711

**Frank Juhan**  
Dpt Phys/Astronomy  
Louisiana State Univ  
Baton Rouge LA 70803 4001  
USA  
☎ 1 504 388 6845  
☎ 1 504 388 5855  
✉ frank@rouge.phys.lsu.edu

**Franklin Fred A**  
CFA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7230  
☎ 1 617 495 7356

**Fransson Claes**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjoebaden  
Sweden  
☎ 46 8 716 4469  
☎ 46 8 717 4719  
✉ claes@astro.su.se

**Frantsman Yu L**  
Radioastrophys Observ  
Latvian Acad Sci  
Turgeneva 19  
LV 226524 Riga  
Latvia  
☎ 371 722 6006

**Franx Marijn**  
Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
☎ 31 50 363 6100

**Franz Otto G**  
Lowell Observ  
1400 W Mars Hill Rd  
Box 1149  
Flagstaff AZ 86001  
USA  
☎ 1 520 774 3358  
☎ 1 520 774 3358  
✉ ogf@lowell.edu

**Frater Robert H**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0310

**Frazier Edward N**  
TRW Space/Technology  
1 Space Park  
Redondo Beach CA 90278  
USA  
☎ 1 213 535 4723

**Fredga Kerstin**  
Swedish Ntl Space Board  
Box 4006  
S 171 04 Solna  
Sweden  
☎ 46 8 627 6486  
☎ 46 8 627 6480

**Fredrick Laurence W**  
University Station  
Univ of Virginia  
Box 3818  
Charlottesville VA 22903 0818  
USA  
☎ 1 804 924 7494  
☎ 1 804 924 3104  
✉ lwf@virginia.edu

**Freedman Wendy L**  
Carnegie Observatories  
813 Santa Barbara St  
Pasadena CA 91101 1292  
USA  
☎ 1 818 304 0204  
☎ 1 818 795 8136  
✉ wendy@ociw.edu

**Freeman Kenneth C**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 2 62 490 264  
☎ 61 26 249 0233  
✉ kcf@mso.anu.edu.au

**Freire Ferrero Rubens G**  
Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0736  
☎ 33 3 88 25 0160  
✉ freire@cdsxb6.u-strasbg.fr

**Freitas Mourao R r**  
Av de Execico 105  
San Cristovao  
20910 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 7154\*7204  
☎ 55 21 580 0332

**French Richard G**  
Dpt Earth/Planet Sci  
MIT Rm 54 422  
Box 165  
Cambridge MA 02139  
USA  
☎ 1 617 253 3392

**Frenk Carlos S**  
Physics Dpt  
Univ of Durham  
South Rd  
Durham DH1 3LE  
UK  
☎ 44 191 374 2141  
☎ 44 191 374 3749

**Fresneau Alain**  
Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0737  
☎ 33 3 88 25 0160  
✉ fresneau@astro.u-strasbg.fr

**Freudling Wolfram**  
ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6425  
☎ 49 893 200 6480  
✉ wfreudli@eso.org

**Friberg Per**  
Joint Astronomy Ctr  
660 N A'ohoku Pl  
University Park  
Hilo HI 96720  
USA  
☎ 1 808 969 6522  
☎ 1 808 961 6516  
✉ friberg@jach.hawaii.edu

**Fricke Klaus**  
Univ Sternwarte  
Goettingen  
Geismarlandstr 11  
D 37083 Goettingen  
Germany  
☎ 49 551 39 5051  
☎ 49 551 395 043

**Fridlund Malcolm**  
ESA/ESTEC  
Astrophysics Division  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 4768  
☎ 31 71 565 4690  
✉ mfridlund@astro.estec.esa.nl

**Fridman Aleksey M**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
☎ 7 095 230 2081  
✉ iaas@node.ias.msk.su

**Fried Josef Wilhelm**  
MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 81  
☎ 49 622 152 8246

**Friedemann Christian**  
Astrophysik Inst  
Univ Sternwarte  
Schillergaesschen 2  
D 07745 Jena  
Germany  
☎ 49 364 163 0323  
☎ 49 364 163 0417

**Friedjung Michael**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8111  
☎ 33 1 44 32 8001  
✉ friedjung@friap51

**Friedlander Michael**  
Physics Dpt  
Washington Univ  
Campus Box 1105  
St Louis MO 63130  
USA  
☎ 1 314 889 6279  
☎ 1 314 935 4083

**Friedli Daniel**  
Dpt d Physique  
Universite Laval  
Ste Foy QC G1K 7P4  
Canada  
☎ 1 418 656 2131  
☎ 1 418 656 2040  
✉ dfriedli@phy.ulaval.ca

**Friedman Herbert**  
2643 N Upshur St  
Arlington VA 22207  
USA

**Friedman Scott David**  
Dpt Phys/Astronomy  
JHU  
Charles/34th St  
Baltimore MD 21218  
USA  
☎ 1 301 338 5317  
📠 1 301 338 5494

**Friel Eileen D**  
NSF  
Div Astron Sci  
4201 Wilson Blvd  
Arlington VA 22230  
USA  
☎ 1 703 306 1825  
📠 1 703 306 0525  
✉ efriel@nsf.gov

**Friend David B**  
Dpt Phys/Astronomy  
Univ of Montana  
Missoula MT 59812  
USA  
☎ 1 406 243 2073  
📠 1 406 243 40766

**Fringant Anne-Marie**  
Observ Paris  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2248  
📠 33 1 44 54 1804

**Frisch Helene**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
📠 33 4 92 00 3033

**Frisch Priscilla**  
Astronomy/Astrophys Ctr  
Univ of Chicago  
5640 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 702 0181  
📠 1 312 702 8211  
✉ frisch@oddjob.  
uchicago.edu

**Frisch Uriel**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
📠 33 4 92 00 3033

**Frisk Urban**  
Swedish Ntl Space Board  
Box 4006  
S 171 04 Solna  
Sweden  
☎ 46 8 627 6200  
📠 46 8 627 6480

**Fritze Klaus**  
Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9202  
📠 49 331 749 9200  
✉ kfritze@aip.de

**Fritze-von Alvensleben Ute**  
Univ Sternwarte  
Goettingen  
Geismarlandstr 11  
D 37083 Goettingen  
Germany  
☎ 49 551 395 055  
📠 49 551 395 043  
✉ ufritze@uni-sw.gwdg.de

**Fritzova-Svestka L**  
Dopperstraat 147  
NL 3752 JC Bunschoten  
Netherlands  
☎ 31 34 998 4403

**Froehlich Claus**  
World Radiation Ctr  
Physikalisch meteorol Obs  
Postfach 173  
CH 7260 Davos Dorf  
Switzerland  
☎ 41 81 46 2131

**Froeschle Christiane D**  
OCA  
Observ Nice  
BP 139  
F 06003 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
📠 33 4 92 00 3033

**Froeschle Claude**  
OCA  
Observ Nice  
BP 139  
F 06003 Nice Cdx 4  
France  
☎ 33 4 92 00 3024  
📠 33 4 92 00 3033  
✉ claude@obs-nice.fr

**Froeschle Michel**  
OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 35 5849  
📠 33 4 93 40 5353

**Frogel Jay Albert**  
Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 292 5651  
📠 1 614 292 2928  
✉ frogel@ohstpy

**Frolov Mikhail S**  
Inst of Astronomy  
Acad Sciences  
Pyatniskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
📠 7 095 230 2081

**Frost Kenneth J**  
NASA GSFC  
Code 600 2  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8824

**Fruchter Andrew S**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 510 643 8142  
📠 1 510 642 3411  
✉ asf@orestes.  
berkeley.edu

**Fruscione Antonella**  
Ctr for EUV Astrophys  
Univ of California  
2150 Kittredge St  
Berkeley CA 94720 5030  
USA  
☎ 1 510 643 6484  
📠 1 415 643 5660  
✉ antonella@cea.  
berkeley.edu

**Frye Glenn M**  
Physics Dpt  
CWRU  
Rock Bdg  
Cleveland OH 44106  
USA  
☎ 1 216 368 2997

**Ftaclas Christ**  
Perkin Elmer Corp  
MS 897  
100 Wooster Heights Rd  
Danbury CT 06810 7859  
USA  
☎ 1 203 797 6448

**Fu Chengqi**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
📠 86 21 6438 4618

**Fu Delian**  
Beijing Astronomical Obs  
CAS  
W Suburb  
Beijing 100080  
China PR  
☎ 86 1 28 2070  
📠 86 1 256 10855

**Fu Qijun**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 256 9840  
📠 86 1 256 10855

**Fu-Shong Kuo**  
Physics Dpt  
Ntl Central Univ  
Chung Li Taiwan 32054  
China R  
☎ 886 3 462 2302  
📠 886 3 426 2304

**Fuchs Burkhard**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 5126  
📠 49 622 140 5297  
✉ fuchs@ari.uni-heidelberg.de

**Fuenmayor Francisco J**  
Dpt Fisica  
Univ Los Andes  
Merida 5101 A  
Venezuela  
☎ 58 7 463 9930/7477  
📠 58 7 444 1723

**Fuensalida Jimenez J**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
📠 34 2 232 9117

**Fuente Asuncion**  
Observ Astronomico  
Nacional  
Apt 1143  
E 28800 Alcalá d Henares  
Spain  
☎ 34 1 885 5060  
📠 34 1 885 5062  
✉ fuente@oan.es

**Fuerst Ernst**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 0  
📠 49 228 525 229

**Fuhr Jeffrey Robert**  
NIST  
DCATP  
Gaithersburg MD 20899  
USA  
☎ 1 301 975 3204  
📠 1 301 990 1350  
✉ fuhr@atm.nist.gov

**Fujimoto Masa-Katsu**  
Tokyo Astronomical Obs  
NAOJ

Osawa Mitaka  
Tokyo 181  
Japan

☎ 81 422 32 5111  
☎ 81 422 34 3793  
✉ fujimoto@gravity.mtk.  
nao.ac.jp

**Fujimoto Masayuki**

Fac of Education  
Niigata Univ  
8050 Ikarashi 2  
Niigata 950 21  
Japan

☎ 81 252 62 7269

**Fujimoto Mitsuaki**

Physics Dpt  
Nagoya Univ  
Furocho Chikusa Ku  
Nagoya 464 01  
Japan

☎ 81 527 89 2840  
☎ 81 527 89 2845

**Fujishita Mitsumi**

Kyushu Tokai Univ  
9-1-1 Toroku  
Kumamoto 862  
Japan

☎ 81 963 86 2659  
☎ 81 96 381 7956  
✉ mfuji@ktmail.ktokai-  
u.ac.uk

**Fujita Yoshio**

Astronomy Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan

☎ 81 423 74 4186  
☎ 81 338 13 9439

**Fujiwara Akira**

ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan

☎ 81 427 51 3911  
☎ 81 427 59 4253  
✉ fujiwara@planeta.  
sci.isas.ac.jp

**Fujiwara Takao**

Kyoto City Univ of Arts  
Nishikyo Ku  
Kyoto 610 11  
Japan

☎ 81 753 32 0701  
☎ 81 75 332 0709  
✉ Fujiwara@kcua.ac.jp

**Fukuda Ichiro**

Kanazawa Techn Inst  
7 1 Ogigaoka  
Nonoichimachi  
Ishikawa 921  
Japan

☎ 81 762 48 1100

**Fukue Jun**

Astronomical Institute  
Osaka Kyoiku Univ  
4 88 Minamikawahoricho  
Osaka 543  
Japan

☎ 81 729 76 3211 \*3124  
☎ 81 729 76 3269

**Fukugita Masataka**

Fundamental Phys  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan

☎ 81 757 11 1381  
☎ 81 75 753 7010

**Fukui Takao**

Dpt Liberal Arts  
Dokkyo Univ  
1-1 Gakuencho  
Soka Saitama 340  
Japan

☎ 81 489 42 1111  
☎ 81 489 41 6621

**Fukui Yasuo**

Physics Dpt  
Nagoya Univ  
Furocho Chikusa Ku  
Nagoya 464 01  
Japan

☎ 81 527 815 111  
☎ 81 527 89 2845  
✉ fukui@phys.nagoya-  
u.ac.jp

**Fukunaga Masataka**

Astronomical Institute  
Tohoku Univ  
Sendai Aoba  
Miyagi 980  
Japan

☎ 81 222 22 1800  
☎ 81 22 262 6609

**Fukushima Toshio**

Astrometry Cel Mech Div  
NAO  
Osawa Mitaka  
Tokyo 181  
Japan

☎ 81 422 34 3613  
☎ 81 422 34 3793  
✉ toshio@spacetime.  
mtk.nao.ac.jp

**Fulchignoni Marcello**

Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France

☎ 33 1 45 07 7539  
☎ 33 1 45 07 7469

**Fulle Marco**

OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy

☎ 39 40 31 99255  
☎ 39 40 30 9418  
✉ fulle@ts.astro.it

**Furniss Ian**

Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK

☎ 44 171 387 7050  
☎ 44 171 380 7145

**Fursenko Margarita A**

Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
191187 St Petersburg  
Russia

☎ 7 812 278 8898  
☎ 7 812 272 7968  
✉ 1118@iipah.spb.su

**Fusco-Femiano Roberto**

IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy

☎ 39 6 4993 4473  
☎ 39 6 2066 0188  
✉ dario@saturn.rm.  
fra.cnr.it

**Fusi Pecci Flavio**

Dpt Astronomia  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy

☎ 39 51 259 301  
☎ 39 51 259 407

## G

**Gabriel Alan H**  
IAS  
Bt 121  
Universite Paris XI  
F 91405 Orsay Cdx  
France  
☎ 33 1 69 85 8500  
① 33 1 69 85 8675

**Gabriel Maurice R**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
① 32 4 254 7511  
✉ gabriel@astro.ulg.ac.be

**Gadsden Michael**  
12 Keir St  
Perth PH2 7HJ  
UK

**Gaetz Terrance J**  
CfA  
HCO/SAO MS 81  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 496 7584  
① 1 617 495 7356  
✉ gaetz@cfa.harvard.edu

**Gahn Goesta F**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjoebaden  
Sweden  
☎ 46 8 717 0637  
① 46 8 717 4719  
✉ gahn@astro.su.se

**Gaignebet Jean**  
OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 36 5849  
① 33 4 93 40 5353

**Gail Hans-Peter**  
Inst Theor Astrophysik  
d Univer  
Tiergartenstr 15  
D 69121 Heidelberg  
Germany  
☎ 49 622 154 8982  
① 49 622 154 4221  
✉ gail@ita.uni-heidelberg.de

**Gaiser Thomas K**  
Bartol Res Inst  
Univ of Delaware  
Newark DE 19716  
USA  
☎ 1 302 451 8111  
① 1 302 831 1843

**Gaizauskas Victor**  
NRCC/HIA  
100 Sussex Dr  
Ottawa ON K1A 0R6  
Canada  
☎ 1 613 993 7395  
① 1 613 952 6602  
✉ vgaizauskas@solar.stanford.edu

**Galal A A**  
NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
① 20 62 21 405 297

**Galan Maximino J**  
M/G Engs  
S Martin de Porres 45  
E 28035 Madrid  
Spain  
☎ 34 1 216 0995

**Galeev Albert A**  
Space Res Inst  
Acad Sciences  
Profsojuznaya Ul 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 2588  
① 7 095 310 7023

**Galeotti Piero**  
Istt Cosmo Geofisica  
CNR  
Corso Fiume 4  
I 10133 Torino  
Italy  
☎ 39 11 658 979

**Galibina Irlini V**  
Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
191187 St Petersburg  
Russia  
☎ 7 812 278 8898  
① 7 812 272 7968

**Galindo Trejo Jesus**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
① 52 5 616 0653  
✉ jgal@astrocu.unam.mx

**Gallagher Jean W**  
Astronomy Dpt  
Univ Wisconsin  
475 N Charter St  
Madison WI 53706 1582  
USA  
☎ 1 608 263 2456  
① 1 608 263 0361  
✉ jsg@jayg.astro.wisc.edu

**Gallagher John S**  
Lowell Observ  
1400 W Mars Hill Rd  
Box 1149  
Flagstaff AZ 86001  
USA  
☎ 1 602 734 3358  
① 1 520 774 3358

**Gallardo Castro Carlos Tabare**  
Dpt Astronomia  
Fac Humani/Ciencia  
Tristan Naraja 1674  
Montevideo 11200  
Uruguay  
☎ 598 2 418 004  
① 598 2 409 973  
✉ gallardo@fisica.edu.uy

**Gallego Juan Daniel**  
Ctr Astron d Yebes  
OAN  
Apt 148  
E 19080 Guadalajara  
Spain  
☎ 34 1 129 0311  
① 34 11 29 0063  
✉ gallego@cay.oan.es

**Gallet Roger M**  
964 7th St  
Boulder CO 80302  
USA

**Galletta Giuseppe**  
Dpt Astronomia  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
① 39 49 875 9840

**Galletto Dionigi**  
Ist Fisica/Matematica  
Univ d Torino  
Via C Alberto 10  
I 10123 Torino  
Italy  
☎ 39 11 539 214

**Galliano Pier Giorgio**  
Istt Elettronico Nle  
St della Cacce 91  
I 10135 Torino  
Italy  
☎ 39 11 348 8933

**Gallino Roberto**  
Istt Fisica  
Univ d Torino  
Corso d Azeglio 46  
I 10125 Torino  
Italy  
☎ 39 11 655 103

**Gallouet Louis**  
Observ Paris  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2207  
① 33 1 44 54 1804

**Galloway David**  
Applied Maths Dpt  
Univ of Sydney  
Sydney NSW 2006  
Australia  
☎ 61 2 692 2222  
① 61 2 660 2903

**Galperin Yuri I**  
Space Res Inst  
Acad Sciences  
Profsojuznaya Ul 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 3122  
① 7 095 310 7023

**Galsgaard Klaus**  
Mathematical Inst  
Univ of St Andrews  
North Haugh  
St Andrews Fife KY16 9SS  
UK  
☎ 44 1334 76161  
① 44 1334 74487  
✉ klaus@dcs.st-and.ac.uk

**Galt John A**  
DRAO  
NRCC/HIA  
Box 248  
Penticton BC V2A 6K3  
Canada  
☎ 1 250 493 2277  
① 1 250 493 7767



**Gamaleldin Abdulla I**  
NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
① 20 62 21 405 297

**Gambis Daniel**  
Observ Paris  
DANOF  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2226  
① 33 1 40 51 2232  
✉ gambis@obspm.fr

**Gammelgaard Peter Mogn**  
Inst Phys/Astronomy  
Univ of Aarhus  
Ny Munkegade  
DK 8000 Aarhus C  
Denmark  
☎ 45 89 42 2899  
① 45 86 12 0740  
✉ pg@obs.aau.dk

**Gan Weiqun**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 331 7874  
① 86 25 330 1459

**Gao Bille**  
Nanjing Astronomical  
Instrument Factory  
Box 846  
Nanjing  
China PR  
☎ 86 25 46191  
① 86 25 71 1256

**Gao Buxi**  
Inst Geodesy/  
Geophysics  
Xu Dong Lu  
Wu Han Hubei 430077  
China PR  
☎ 86 27 678 3841  
① 86 27 678 3841  
✉ gbx@asch.whigg.ac.cn

**Gaposchkin Edward M**  
55 Farmcrest Av  
Lexington MA 02173  
USA  
☎ 1 617 862 2538  
✉ gaposche@ma.utoranet.com

**Garay Guido**  
Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101  
① 56 2 229 4002

**Garcia Beatriz Elena**  
Centro Regional Invest  
Cientifica/Tecnologicas  
CC 131  
5500 Mendoza  
Argentina  
☎ 54 61 24 11794  
✉ cricyt@planet.losandes.com.ar

**Garcia Domingo**  
Dpt Fisica/Ingenyeria  
Univ Barcelona  
Avd Diagonal 647  
E 08028 Barcelona  
Spain  
☎ 34 3 401 7421  
① 34 3 402 1133  
✉ domingo@f.720.upc.es

**Garcia Eduardo Del pozo**  
Inst Geophys/Astron  
C 212 N 2906/29 Y 31  
Lisa  
La Habana  
Cuba  
☎ 53 21 8435

**Garcia Howard A**  
NOAA ERL R/E/SE3  
Space Environment Lab  
325 Broadway  
Boulder CO 80303  
USA  
☎ 1 303 497 3916  
① 1 303 497 3645  
✉ hgarcia@solar.stanford.edu

**Garcia Jose I de la rosa**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117

**García Lambas Diego**  
Observ Astronomico  
de Cordoba  
Laprida 854  
5000 Cordoba  
Argentina  
☎ 54 51 23 0491  
① 54 51 21 0613

**Garcia Lopez Ramon J**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117  
✉ rgl@iac.es

**Garcia Michael R**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7169  
① 1 617 495 7356  
✉ garcia@cfa200.harvard.edu

**Garcia-Barreto Jose A**  
Observ Astronomico Nacional  
UNAM  
Apt 877  
Ensenada BC 22800  
Mexico  
☎ 52 6 174 4580  
① 52 6 174 4607

**Garcia-Berro Enrique**  
Dpt Fisica Aplicada  
U P Cataluna  
Campus Nord Ed C3  
E 08034 Barcelona  
Spain  
☎ 34 3 401 6898  
① 34 3 401 6801  
✉ garcia@etsecpb.upc.es

**Garcia-Burillo Santiago**  
Observ Astronomico  
Nacional  
Apt 1143  
E 28800 Alcalá d Henares  
Spain  
☎ 34 1 885 5060  
① 34 1 885 5062  
✉ burillo@oan.es

**Garcia-Pelayo Jose**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 825 6103  
① 34 5 881 4530

**Gardner Francis F**  
201b Becroft Rd  
Cheltenham NSW 2119  
Australia

**Garfinkel Boris**  
Astronomy Dpt  
Yale Univ  
Box 208101  
New Haven CT 06520 8101  
USA  
☎ 1 203 436 3460  
① 1 203 432 5048

**Gargaud Muriel**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
① 33 5 56 40 4251  
✉ muriel@frobor51

**Garilli Bianca**  
IFCTR CNR  
Univ d Milano  
Via E Bassini 15  
I 20133 Milano  
Italy  
☎ 39 2 236 3542  
① 39 2 266 5753  
✉ bianca@ifctr.mi.cnr.it

**Garlick George F**  
267 South Beloit Av  
Los Angeles CA 90049  
USA  
☎ 1 213 472 3512

**Garmany Catherine D**  
JILA  
Univ of Colorado  
Campus Box 440  
Boulder CO 80309 0440  
USA  
☎ 1 303 492 7836  
① 1 303 492 5235

**Garmire Gordon P**  
Astronomy Dpt  
Pennsylvania State Univ  
525 Davey Lab  
University Park PA 16802  
USA  
☎ 1 814 865 0418  
① 1 814 863 7114

**Garnett Donald Roy**  
School Phys/Astronomy  
Univ Minnesota  
116 Church St SE  
Minneapolis MN 55455  
USA  
☎ 1 612 624 1084  
① 1 612 626 2029  
✉ garnett@oldstyle.spa.umn.edu

**Garnier Robert**  
Observ Lyon  
Av Ch Andre  
F 69561 S Genis Laval cdx  
France  
☎ 33 4 78 56 0705  
① 33 4 72 39 9791

**Garrett Michael**  
NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 521 59 5100  
① 31 52 159 7332  
✉ mag@jive.nfra.nl

**Garrido Rafael**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
① 34 5 881 4530

**Garrington Simon**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
① 44 147 757 1618  
✉ janet.stg@uk.ac.man.jb.star

**Garrison Robert F**  
David Dunlap Observ  
Univ of Toronto  
Box 360  
Richmond Hill ONT L4C 4Y6  
Canada  
☎ 1 905 884 9562  
① 1 905 884 2672  
✉ garrison@astro.utoronto.ca

**Garstang Roy H**  
JILA  
Univ of Colorado  
Campus Box 440  
Boulder CO 80309 0440  
USA  
☎ 1 303 492 7795  
☎ 1 303 492 5235  
✉ garstang@earthlink.net

**Garton W R S**  
Astrophysics Gr  
Imperial Coll  
Prince Consort Rd  
London SW7 2BZ  
UK  
☎ 44 171 594 7771  
☎ 44 171 594 7772

**Gary Dale E**  
CALTECH  
MS 264 33  
SA  
Pasadena CA 91125  
USA  
☎ 1 818 356 3863

**Gary Gilmer Allen**  
NASA/MSFC  
Space Science Lab  
Code ES 82  
Huntsville AL 35812  
USA  
☎ 1 205 544 7609  
☎ 1 205 544 5862  
✉ allen.gary@msfc.  
nasa.gov

**Garzon Francisco**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Gascoigne S C B**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 881 111  
☎ 61 262 490 233

**Gaska Stanislaw**  
Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland  
☎ 48 56 26 018  
☎ 48 56 24 602

**Gasparian Lazar**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640  
✉ byurakan@pnas.sci.am

**Gatewood George**  
Allegheny Observ  
Observ Station  
Pittsburgh PA 15214  
USA  
☎ 1 412 321 2400  
☎ 1 412 321 0606  
✉ gatewood@vms.cis.  
pitt.edu

**Gateley Ian**  
NOAO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
☎ 1 520 325 9360

**Gaudenzi Silvia**  
Istt Astronomico  
Univ d Roma La Sapienza  
Via G M Lancisi 29  
I 00161 Roma  
Italy  
☎ 39 6 44 03734  
☎ 39 6 44 03673

**Gaume Ralph A**  
USNO  
3450 Massachusetts Av NW  
Washington DC 20392 5420  
USA  
☎ 1 202 762 1519  
☎ 1 202 762 1563  
✉ gaume@nh3.usno.  
navy.mil

**Gaur V P**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136

**Gauss F Stephen**  
USNO  
3450 Massachusetts Av NW  
Washington DC 20392 5420  
USA  
☎ 1 202 762 1470  
☎ 1 202 653 0944  
✉ fsg@sicon.usno.navy.mil

**Gaustad John E**  
Astronomy Dpt  
Swarthmore Coll  
Swarthmore PA 19081  
USA  
☎ 1 215 328 8271  
☎ 1 215 328 8673  
✉ jgausta1@cc.  
swarthmore.edu

**Gautier Daniel**  
Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7707  
☎ 33 1 45 07 7971

**Gautschy Alfred**  
Astronomisches Institut  
Univ Basel  
Venusstr 7  
CH 4102 Binningen  
Switzerland  
☎ 41 61 271 7711/12  
☎ 41 61 271 7810  
✉ gautschy@astro.unibas.ch

**Gavazzi Giuseppe**  
Osserv Astronomico  
d Brera  
Via Brera 28  
I 20121 Milano  
Italy  
☎ 39 2 874 444  
☎ 39 2 720 01600

**Gay Jean**  
OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 36 5849  
☎ 33 4 93 40 5353

**Gayazov Iskander S**  
Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
191187 St Petersburg  
Russia  
☎ 7 812 275 4414  
☎ 7 812 272 7968  
✉ gayazov@iipah.spb.su

**Gaylard Michael John**  
HartRAO  
FRD  
PO Box 443  
1740 Krugersdorp  
South Africa  
☎ 27 11 642 4692  
☎ 27 11 642 2446

**Geake John E**  
Physics Dpt  
UMIST  
Box 88  
Manchester M60 1QD  
UK  
☎ 44 161 200 3677  
☎ 44 161 200 3669

**Geballe Thomas R**  
Joint Astronomy Ctr  
660 N A'ohoku Pl  
University Park  
Hilo HI 96720  
USA  
☎ 1 808 961 3756  
☎ 1 808 961 6516

**Gebbie Katharine B**  
JILA  
Univ of Colorado  
Campus Box 440  
Boulder CO 80309 0440  
USA  
☎ 1 303 492 7825  
☎ 1 303 492 5235

**Gebler Karl-heinz**  
RAIUB  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany  
☎ 49 228 73 3662  
☎ 49 228 73 3672

**Geffert Michael**  
Observatorium Hoher List  
Univ Sternwarte Bonn  
D 54550 Daun  
Germany  
☎ 49 65 92 2150  
☎ 49 65 92 9851 40  
✉ geffert@astro.uni-  
bonn.de

**Gehrels Neil**  
NASA/GSFC  
Code 661  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6546  
☎ 1 301 286 1684  
✉ gehrels@gssc.nasa.gov

**Gehrels Tom**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 6970  
☎ 1 520 621 4933  
✉ gehrels@lpl.arizona.edu

**Gehren Thomas**  
Inst Astron/Astrophysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 890 21  
☎ 49 899 220 9427

**Gehrz Robert Douglas**  
Dpt Phys/Astronomy  
Univ of Wyoming  
Box 3905  
Laramie WY 82071  
USA  
☎ 1 307 766 6176  
☎ 1 307 766 2652  
✉ gehrz@astro.spa.  
umn.edu

**Geisler Douglas P**  
NOAO  
CTIO  
Casilla 603  
La Serena  
Chile  
☎ 56 51 22 5415\*208  
☎ 56 51 20 5342  
✉ dgeisler@noao.edu

**Geiss Johannes**  
Physikalisches Institut  
Univ Bern  
Sidlerstr 5  
CH 3012 Bern  
Switzerland  
☎ 41 31 65 8645

**Geldzahler Bernard J**  
NRL  
Code 4121 6  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 6700

**Gelfrekh Georgij B**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
① 7 812 315 1701

**Geller Margaret Joan**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7409  
① 1 617 495 7356

**Gemmo Alessandra**  
Dpt Astronomia  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
① 39 49 875 9840

**Genet Russel M**  
Fairborn Observ  
3435 E Edgewood Av  
Mesa AZ 85204  
USA  
☎ 1 602 988 6561\*223  
✉ genet@regasus.la.asu.edu

**Genkin Igor L**  
Fac of Physics  
Kazakh State Univ  
Tole Li 96  
480012 Alma Ata  
Kazakhstan  
☎ 7 67 7018

**Genova Françoise**  
Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0721  
① 33 3 88 15 0760  
✉ genova@astro.u-strasbg.fr

**Gent Hubert**  
Prospect House  
Sherwood Lane  
Worcester WR2 4NX  
UK  
☎ 44 142 2186

**Genzel Reinhard**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 00  
① 49 893 299 3235  
✉ genzel@mpe.mpe-garching.mpg.de

**Georgelin Yvon P**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
① 33 4 91 62 1190  
✉ ypgeorgelin@observatoire.cnrs-mrs.fr

**Georgelin Yvonne M**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
① 33 4 91 62 1190

**Georgiev Leonid**  
Astronomy Dpt  
Univ of Sofia  
Anton Ivanov St 5  
BG 1126 Sofia  
Bulgaria  
☎ 359 2 68 8176  
① 359 2 68 9085

**Georgiev Tsvetan**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 88 3503  
① 359 2 75 5019

**Gerard Eric**  
Observ Paris Meudon  
ARPEGES  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7607  
① 33 1 45 07 7971  
✉ daigne@obspm.fr

**Gerard Jean-Claude M C**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
① 32 4 254 7511  
✉ gerard@astro.ulg.ac.be

**Gerasimov Igor A**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 1625  
① 7 095 939 0126  
✉ snn@sai.msk.su

**Gerbald Daniel**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8000  
① 33 1 44 32 8001

**Gerbaldi Michele**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8041  
① 33 1 44 32 8001  
✉ gerbaldi@iap.fr

**Gergely Tomas Esteban**  
NSF  
Div Astron Sci  
4201 Wilson Blvd  
Arlington VA 22230  
USA  
☎ 1 703 306 1823  
① 1 703 306 0525  
✉ tgergely@nsf.gov

**Gerhard Ortwin**  
Astronomisches Institut  
Univ Basel  
Venusstr 7  
CH 4102 Binningen  
Switzerland  
☎ 41 61 205 5419/454  
① 41 61 205 5455  
✉ gehard@astro.unibas.ch

**Gerin Maryvonne**  
DEMIRM  
ENS  
24 r Lhomond  
F 75231 Paris Cdx 05  
France  
☎ 33 1 43 29 1225  
① 33 1 40 51 2002  
✉ gerin@frulm11

**Gerlei Otto**  
Debrecen Heliophys Observ  
Acad Sciences  
Box 30  
H 4010 Debrecen  
Hungary  
☎ 36 5 231 1015

**Gerola Humberto**  
20390 Knollwood Dr  
Saratoga CA 95070  
USA

**Geroyannis Vassilis S**  
Astronomy Dpt  
Univ of Patras  
GR 261 10 Rion  
Greece  
☎ 30 61 99 7572  
① 30 61 99 7636

**Gershberg R E**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
① 380 6554 40704

**Gesicki Krzysztof**  
Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland  
☎ 48 56 26 08\*50  
① 48 56 24 602  
✉ gesicki@astri.uni.torun.pl

**Geyer Edward H**  
Observatorium Hoher List  
Univ Sternwarte Bonn  
D 54550 Daun  
Germany  
☎ 49 65 92 2150  
① 49 65 92 9851 40

**Gezari Daniel Ysa**  
NASA GSFC  
Code 685  
Greenbelt MD 20771  
USA  
☎ 1 301 286 3432

**Ghanbari Jamshid**  
Physics Dpt  
School of Sciences  
Univ of Ferdowsi  
Mashhad  
Iran  
☎ 98 51 832 021/4  
① 98 51 838 032  
✉ ghanbari@science1.um.ac

**Ghigo Francis D**  
NRAO  
Box 2  
Green Bank WV 24944  
USA  
☎ 1 304 456 2011  
① 1 304 456 2271  
✉ fghigo@nrao.edu

**Ghisellini Gabriele**  
Osserv Astronomico  
d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy  
☎ 39 990 6412  
① 39 990 8492  
✉ gabriele@merate.mi.astro.it

**Ghizaru Mihai**  
Astronomical Institute  
Romanian Acad Sciences  
Cutilul de Argint 5  
RO 75212 Bucharest  
Rumania  
☎ 40 1 335 6892  
① 40 1 312 3391  
✉ mghizaru@roimar.imar.ro

**Ghobros Roshdy Azer**  
NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
① 20 62 21 405 297

**Ghosh Kajal Kumar**  
 IIA  
 Koramangala  
 Sarjapur Rd  
 Bangalore 560 034  
 India  
 ☎ 91 80 356 6585  
 ☎ 91 80 553 4043

**Ghosh P**  
 TIFR  
 Homi Bhabha Rd  
 Colaba  
 Bombay 400 005  
 India  
 ☎ 91 22 219 111\*260  
 ☎ 91 22 495 2110

**Ghosh S K**  
 TIFR  
 Homi Bhabha Rd  
 Colaba  
 Bombay 400 005  
 India  
 ☎ 91 22 215 2311  
 ☎ 91 22 495 2110  
 ✉ swarna@tifrvax.  
 tifr.res.in

**Giaccaglia Giorgio E**  
 CRAAE INPE  
 EPUSP/PTR  
 CP 61548  
 01065 970 Sao Paulo SP  
 Brazil  
 ☎ 55 11 815 9322  
 ☎ 55 11 815 4272

**Giacani Elsa Beatriz**  
 IAR  
 CC 5  
 1894 Villa Elisa (Bs As)  
 Argentina  
 ☎ 54 21 4 3793  
 ☎ 54 21 211 761

**Giacconi Riccardo**  
 ESO  
 Karl Schwarzschildstr 2  
 D 85748 Garching  
 Germany  
 ☎ 49 893 200 60  
 ☎ 49 893 202 362

**Giachetti Riccardo**  
 Osserv Astrofis Arcetri  
 Univ d Firenze  
 Largo E Fermi 2  
 I 50125 Firenze  
 Italy  
 ☎ 39 55 22 98141  
 ☎ 39 55 435939

**Giallongo Emanuele**  
 Osserv Astronomico  
 d Roma  
 Via d osservatorio 5  
 I 00040 Monteporzio  
 Italy  
 ☎ 39 6 944 9019  
 ☎ 39 6 944 7243

**Giampapa Mark S**  
 NOAA/NSO  
 Box 26732  
 950 N Cherry Av  
 Tucson AZ 85726 6732  
 USA  
 ☎ 1 520 327 5511  
 ☎ 1 520 325 9278

**Giannone Pietro**  
 OAR  
 Via d Parco Mellini 84  
 I 00136 Roma  
 Italy  
 ☎ 39 6 34 7056  
 ☎ 39 6 349 8236

**Giannuzzi Maria A**  
 Dpt Matematica  
 Univ d Roma La Sapienza  
 Piazza Gramsci 5  
 I 00041 Albano/laziale  
 Italy  
 ☎ 39 6 932 1101

**Gibson David Michael**  
 MIT/Lincoln Laboratory  
 KMR Field Site  
 Box 58  
 Apo AP 96555  
 USA  
 ☎ 1 805 355 1257  
 ☎ 1 805 355 3833  
 ✉ gibson@krmrmail.kmr.  
 ll.mit.edu

**Gibson James**  
 6838 Greeley St  
 Tujunga CA 91042 2809  
 USA

**Giclas Henry L**  
 120 E Elm Av  
 Flagstaff AZ 86001  
 USA  
 ☎ 1 520 774 4769  
 ☎ 1 520 774 6296

**Gierasch Peter J**  
 Astronomy Dpt  
 Cornell Univ  
 512 Space Sc Bldg  
 Ithaca NY 14853 6801  
 USA  
 ☎ 1 607 256 3507  
 ☎ 1 607 255 1767

**Gieren Wolfgang P**  
 Dpt Fisica  
 Univ Concepcion  
 Casilla 4009  
 Concepcion  
 Chile  
 ☎ 56 41 204 500  
 ☎ 56 41 245 622  
 ✉ wgieren@coma.cfm.  
 udec.cl

**Giersz Mirosław**  
 Copernicus Astron Ctr  
 Polish Acad Sci  
 Ul Bartycka 18  
 PL 00 716 Warsaw  
 Poland  
 ☎ 48 22 41 1086  
 ☎ 48 22 41 0828  
 ✉ mig@camk.edu.pl

**Gies Douglas R**  
 Dpt Phys/Astronomy  
 Georgia State Univ  
 Atlanta GA 30303 3083  
 USA  
 ☎ 1 404 651 1366  
 ☎ 1 404 651 1389  
 ✉ gies@chara.gsu.edu

**Gietzen Joseph W**  
 Royal Greenwich Obs  
 Madingley Rd  
 Cambridge CB3 0EZ  
 UK  
 ☎ 44 12 23 374 000  
 ☎ 44 12 23 374 700

**Gigas Detlef**  
 NASA GSFC  
 Code 910 2  
 Greenbelt MD 20771  
 USA

**Gigoyan Kamo**  
 Byurakan Astrophys Observ  
 Armenian Acad Sci  
 378433 Byurakan  
 Armenia  
 ☎ 374 88 52 28 3453/4142  
 ☎ 374 88 52 52 3640  
 ✉ kgigoyan@helios.  
 sci.am

**Gil Janusz A**  
 The Astronomical Ctr  
 Lubuska 2  
 PL 65 001 Zielona Gora  
 Poland  
 ☎ 48 68 20 2863  
 ☎ 48 68 202 863

**Gilfanov Marat R**  
 Space Res Inst  
 Acad Sciences  
 Profsojuznaya Ul 84/32  
 117810 Moscow  
 Russia  
 ☎ 7 095 333 3377  
 ☎ 7 095 333 5377  
 ✉ mgilfanov@hea.iki.  
 rssi.ru

**Gillanders Gerard**  
 Physics Dpt  
 Univ College  
 Galway  
 Ireland  
 ☎ 353 91 524 411\*2529  
 ☎ 353 91 525 700  
 ✉ gary.gillanders@ucg.ie

**Gillet Denis**  
 OHP  
 F 04870 S Michel Obs  
 France  
 ☎ 33 4 92 76 6368  
 ☎ 33 4 92 76 6295

**Gilliland Ronald Lynn**  
 STScI  
 Homewood Campus  
 3700 San Martin Dr  
 Baltimore MD 21218  
 USA  
 ☎ 1 301 338 4700  
 ☎ 1 301 338 4767

**Gillingham Peter**  
 W M Keck Observ  
 Box 220  
 65 1120 Mamalahoa Hwy  
 Kamuela HI 96743  
 USA  
 ☎ 1 808 885 7887  
 ☎ 1 808 885 4464  
 ✉ peter@keck.hawaii.edu

**Gilman Peter A**  
 HAO  
 NCAR  
 Box 3000  
 Boulder CO 80307 3000  
 USA  
 ☎ 1 303 497 1560  
 ☎ 1 303 497 1568

**Gilmore Alan C**  
 Mt John Observ  
 Box 56  
 Lake Tekapo 8770  
 New Zealand  
 ☎ 64 64 5 056 813

**Gilmore Gerard Francis**  
 Inst of Astronomy  
 The Observatories  
 Madingley Rd  
 Cambridge CB3 0HA  
 UK  
 ☎ 44 12 23 337 548  
 ☎ 44 12 23 337 523  
 ✉ gil@ast.cam.ac.uk

**Gilmozzi Roberto**  
 ESO  
 Karl Schwarzschildstr 2  
 D 85748 Garching  
 Germany  
 ☎ 49 893 200 60  
 ☎ 49 893 202 362

**Gilra Dayā P**  
 SM Systems/Res Co  
 8401 Corporate Dr  
 Suite 450  
 Landover MD 20785  
 USA  
 ☎ 1 301 763 4483

**Gimenez Alvaro**  
 ESA  
 Apt 50727 Villafranca  
 E 28080 Madrid  
 Spain  
 ☎ 34 1 675 0700  
 ☎ 34 1 813 1139

**Gingerich Owen**  
 CFA  
 HCO/SAO  
 60 Garden St  
 Cambridge MA 02138 1516  
 USA  
 ☎ 1 617 495 7216  
 ☎ 1 617 496 7564  
 ✉ ginger@cfa.harvard.edu

**Gingold Robert Arthur**  
 Australian Ntl Univ  
 ANU Super cptr Facility  
 Box 4  
 Canberra ACT 2600  
 Australia  
 ☎ 61 2 62 493 437

**Ginzburg Vitaly L**  
Lebedev Physical Inst  
Acad Sciences  
Leninsky Pspt 53  
117924 Moscow  
Russia  
☎ 7 095 135 2250  
ⓞ 7 095 135 7880

**Gioia Isabella M**  
Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 9845  
ⓞ 1 808 956 9590  
✉ gioia@galileo.ifa.  
hawaii.edu

**Giovanardi Carlo**  
Osserv Astrofis Arcoetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52239  
ⓞ 39 55 22 0039

**Giovane Frank**  
NRL  
Code 7601  
4555 Overlock Av SW  
Washington DC 20375 5320  
USA  
☎ 1 202 767 3188  
ⓞ 1 202 404 7296  
✉ giovane@nrl.navy.mil

**Giovannelli Riccardo**  
Astronomy Dpt  
Cornell Univ  
512 Space Sc Bldg  
Ithaca NY 14853 6801  
USA  
☎ 1 607 255 6505  
ⓞ 1 607 255 8803  
✉ riccardo@astro.sun.  
cornell.edu

**Giovannelli Franco**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
ⓞ 39 6 2066 0188  
✉ frano@saturn.rm.  
fra.cnr.it

**Giovannini Gabriele**  
Istt Radioastronomia  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9385  
ⓞ 39 51 639 9431  
✉ ggiovannini@astbo1.  
bo.cnr.it

**Gir Be Young**  
Dpt Earth Sciences  
Ntl Taiwan Normal Univ  
Taiwan  
China R

**Giraud Edmond**  
CPT  
CNRS  
Luminy Case 07  
F 13288 Marseille Cdx  
France  
☎ 33 4 91 26 9519

**Giridhar Sunetra**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585  
ⓞ 91 80 553 4043

**Giuricin Giuliano**  
Dpt Astronomia  
Univ d Trieste  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 76 8005  
ⓞ 39 40 30 9418

**Glagolevskij Yuri V**  
SAO  
Acad Sciences  
Nizhniy Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 878 789 3577

**Glaser Harold**  
1346 Bonita St  
Berkeley CA 94709  
USA  
☎ 1 415 527 1860

**Glasner Shimon Ami**  
Racah Inst of Phys  
Hebrew Univ Jerusalem  
Jerusalem 91904  
Israel  
☎ 972 2 584 521  
ⓞ 972 2 658 4374

**Glaspey John W**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 318 8701  
ⓞ 1 520 318 8724  
✉ glaspey@noao.edu

**Glass Billy Price**  
Dpt Geology  
Univ of Delaware  
Newark DE 19716  
USA  
☎ 1 302 451 8458  
ⓞ 1 302 831 1843

**Glass Ian Stewart**  
SAAO  
PO Box 9  
7935 Observatory  
South Africa  
☎ 27 21 47 0025  
ⓞ 27 21 47 3639  
✉ isg@sao.ac.za

**Glassgold Alfred E**  
Physics Dpt  
New York Univ  
4 Washington Place  
New York NY 10003  
USA  
☎ 1 212 598 2020  
ⓞ 1 212 995 4016

**Glatzel Wolfgang**  
Univ Sternwarte  
Goettingen  
Geismarlandstr 11  
D 37083 Goettingen  
Germany  
☎ 49 551 395 042  
ⓞ 49 551 395 043

**Glatzmaier Gary A**  
LANL  
MS F665 ESS 5  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 7647  
ⓞ 1 505 665 4055

**Glebocki Robert**  
Inst Theor Physics  
Univ of Gdansk  
Ul Wita Stwosza 57  
PL 80 952 Gdansk  
Poland  
☎ 48 41 5241\*188

**Glebova Nina I**  
Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
191187 St Petersburg  
Russia  
☎ 7 812 278 8898  
ⓞ 7 812 272 7968  
✉ 100073.3636@  
compuserve.com

**Glencross William M**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050  
ⓞ 44 171 380 7145

**Glushneva Irina N**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 139 2046  
ⓞ 7 095 939 0126

**Gnedin Yurij N**  
Ioffe Physical Tech Inst  
Acad Sciences  
Polytechnicheskaya Ul 26  
194021 St Petersburg  
Russia  
☎ 7 812 123 4493  
ⓞ 7 812 314 3360  
✉ gnedin@pulkovo.  
spb.su

**Godfrey Peter Douglas**  
Chemistry Dpt  
Monash Univ  
Wellington Rd  
Clayton VIC 3168  
Australia  
☎ 61 3 541 0811

**Godlowski Wlodzimierz**  
Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
ⓞ 48 12 251 318  
✉ godlows@oa.uj.edu.pl

**Godoli Giovanni**  
Dpt Astronomia  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
ⓞ 39 55 22 0039

**Godwin Jon Gunnar**  
Astrophysics Dpt  
85 Cherwell Dr  
Oxford OX3 0ND  
UK  
☎ 44 186 572 2313  
ⓞ 44 1865 72 1000

**Goebel Ernst**  
Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 345 360186  
ⓞ 43 1 470 6015

**Goebel John H**  
NASA/ARC  
Space Sci Div  
MS 244 7  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 694 6525  
ⓞ 1 415 604 4003

**Goedbloed Johan P**  
FOM  
Box 1207  
NL 3430 BE Nieuwegein  
Netherlands  
☎ 31 30 603 1224  
ⓞ 31 30 6031204  
✉ goedbloed@sara.nl

**Goelbası Orhan**  
Fac of Sciences  
Inonu Univ  
44069 Malatya  
Turkey  
☎ 90 821 21871  
ⓞ 90 821 18133

**Gokdogan Nuzhet**  
Univ Observ  
Univ of Istanbul  
University 34452  
34452 Istanbul  
Turkey  
☎ 90 212 522 3597  
ⓞ 90 212 519 0834

**Gokhale Moreswar Hari**  
 IIA  
 Koramangala  
 Sarjapur Rd  
 Bangalore 560 034  
 India  
 ☎ 91 80 356 6585  
 ☎ 91 80 553 4043

**Golap Kumar**  
 Fac of Sciences  
 Univ of Mauritius  
 Reduit  
 Mauritius  
 ☎ 230 454 1041  
 ☎ 230 454 9642  
 ✉ kumar@fl.n726.  
 z5.fidonet.org

**Golay Marcel**  
 Observ Geneve  
 Chemin d Maillettes 51  
 CH 1290 Sauvigny  
 Switzerland  
 ☎ 41 22 755 2611  
 ☎ 41 22 755 3983  
 ✉ marcel.golay@obs.  
 unige.ch

**Gold Thomas**  
 CRSR  
 Cornell Univ  
 306 Space Sc Bldg  
 Ithaca NY 14853 6801  
 USA  
 ☎ 1 607 256 5284  
 ☎ 1 607 255 9888

**Goldbach Claudine**  
 IAP  
 98bis bd Arago  
 F 75014 Paris  
 France  
 ☎ 33 1 44 32 8141  
 ☎ 33 1 44 32 8001

**Goldes Guillermo Victor**  
 Observ Astronomico  
 de Cordoba  
 Laprida 854  
 5000 Cordoba  
 Argentina  
 ☎ 54 51 331 006  
 ☎ 54 51 331 063  
 ✉ goldes@oac.uncor.edu

**Goldman Itzhak**  
 Dpt Phys/Astronomy  
 Tel Aviv Univ  
 Ramat Aviv  
 Tel Aviv 69978  
 Israel  
 ☎ 972 3 545 0303  
 ☎ 972 3 640 8179  
 ✉ goldman@vm.tau.ac.il

**Goldman Martin V**  
 CASA  
 Univ of Colorado  
 Campus Box 389  
 Boulder CO 80309 0391  
 USA  
 ☎ 1 303 492 8896  
 ☎ 1 303 492 6946

**Goldreich Peter**  
 CALTECH  
 Pasadena CA 91125  
 USA  
 ☎ 1 213 356 6193  
 ☎ 1 818 397 9600  
 ✉ peter@ciideimo

**Goldsmith Donald W**  
 Interstellar Media  
 2153 Russell St  
 Berkeley CA 94705  
 USA  
 ☎ 1 415 848 1989

**Goldsmith Paul F**  
 Leadmine Hill Rd 5  
 Amherst MA 01002  
 USA  
 ☎ 1 413 545 0925

**Goldsmith S**  
 Dpt Phys/Astronomy  
 Tel Aviv Univ  
 Ramat Aviv  
 Tel Aviv 69978  
 Israel  
 ☎ 972 3 420 303  
 ☎ 972 3 640 8179

**Goldstein Richard M**  
 CALTECH/JPL  
 MS 300 227  
 4800 Oak Grove Dr  
 Pasadena CA 91109 8099  
 USA  
 ☎ 1 818 354 6999  
 ☎ 1 818 393 6030

**Goldstein Samuel J**  
 University Station  
 Univ of Virginia  
 Box 3818  
 Charlottesville VA 22903 0818  
 USA  
 ☎ 1 804 924 7494  
 ✉ sjg@astun.astro.  
 virginia.edu

**Goldworthy Frederick A**  
 Dpt Appl Maths  
 Univ of Leeds  
 Leeds LS2 9JT  
 UK  
 ☎ 44 113 233 5110  
 ☎ 44 113 242 9525

**Goldwire Henry C**  
 LLNL  
 L 451  
 Box 808  
 Livermore CA 94551 9900  
 USA  
 ☎ 1 415 423 0160  
 ☎ 1 415 423 0238

**Golev Valery K**  
 Dpt Astron/Fac of Phys  
 St Kliment of Okhrid Uni  
 Univ Astron Obs Box 36  
 BG 1504 Sofia  
 Bulgaria  
 ☎ 359 2 66 2324  
 ✉ valgol@phys.uni-sofia.bg

**Gollnow H**  
 MSSSO  
 Weston Creek  
 Private Bag  
 Canberra ACT 2611  
 Australia  
 ☎ 61 2 62 881 111

**Golovatyj Volodymyr**  
 Astronomical Observ  
 Lviv State Univ  
 Kiril/Mefodiy Str 8  
 290005 Lviv  
 Ukraine  
 ☎ 380 3227 29088  
 ☎ 380 3227 29088  
 ✉ gol@astro.lviv.ua

**Golub Leon**  
 CfA  
 HCO/SAO  
 60 Garden St  
 Cambridge MA 02138 1516  
 USA  
 ☎ 1 617 495 7177  
 ☎ 1 617 495 7356

**Gomes Alercio M**  
 R Gaviao Peixoto 13  
 Apt 1401  
 Icarai 24000  
 Niteroj Erj  
 Brazil

**Gomes Rodney D S**  
 Observ Nacional  
 Rua Gl Bruce 586  
 Sao Cristovao  
 20921 030 Rio de Janeiro RJ  
 Brazil  
 ☎ 55 21 589 2955  
 ☎ 55 21 580 0332  
 ✉ rodney@on.br

**Gomez Ana E**  
 Observ Paris Meudon  
 DASGAL  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7843  
 ☎ 33 1 45 07 7971

**Gomez Gonzalez Jesus**  
 Paseo Imperial 29 6h  
 E Madrid 5  
 Spain

**Gomez Maria Theresa**  
 Osserv d Capodimonte  
 Via Moiriello 16  
 I 80131 Napoli  
 Italy  
 ☎ 39 81 44 0101  
 ☎ 39 81 45 6710

**Gomez Mercedes**  
 Observ Astronomico  
 de Cordoba  
 Laprida 854  
 5000 Cordoba  
 Argentina  
 ☎ 54 51 236 876  
 ☎ 54 51 21 0613  
 ✉ mercedes@uncbob.edu.ar

**Gomez Yolanda**  
 Instituto Astronomia  
 J J Tablada 1006  
 C L de Santa Maria  
 Morelia Michoacan 58090  
 Mexico  
 ☎ 52 4 323 6162  
 ☎ 52 4 323 6165  
 ✉ gocy@astrosmo.unam.mx

**Gomide Fernando de Mello**  
 R Angelica Lopes de  
 Castro 71  
 25655 430 Petropolis RJ  
 Brazil

**Goncz Georges**  
 OCA  
 Observ Nice  
 BP 139  
 F 06304 Nice Cdx 4  
 France  
 ☎ 33 4 93 89 0420  
 ☎ 33 4 92 00 3033

**Gondhalekar Prabhakar**  
 Rutherford Appleton Lab  
 Space/Astrophysics Div  
 Bg R25/R68  
 Chilton Didcot OX11 0QX  
 UK  
 ☎ 44 12 35 821 900  
 ☎ 44 12 35 44 5808

**Gondolatsch Friedrich**  
 ARI  
 Moenchhofstr 12-14  
 D 69120 Heidelberg  
 Germany  
 ☎ 49 622 140 50  
 ☎ 49 622 140 5297

**Gong Shou-shen**  
 Shanghai Observ  
 CAS  
 80 Nandan Rd  
 Shanghai 200030  
 China PR  
 ☎ 86 21 6438 6191  
 ☎ 86 21 6438 4618

**Gong Shumo**  
 Purple Mountain Obs  
 CAS  
 Nanjing 210008  
 China PR  
 ☎ 86 25 46700  
 ☎ 86 25 301 459

**Gong Xiangdong**  
 Shanghai Observ  
 CAS  
 80 Nandan Rd  
 Shanghai 200030  
 China PR  
 ☎ 86 21 6438 6191  
 ☎ 86 21 6438 4618  
 ✉ yangfm@center.shao.ac.cn

**Gontcharov Georgui A**  
 Pulkovo Observ  
 Acad Sciences  
 10 Kutuzov Quay  
 196140 St Petersburg  
 Russia  
 ☎ 7 812 153 0925  
 ☎ 7 812 123 4922  
 ✉ gaoran@mail.wplu.ru

**Gonzales Alejandro**

INAOE  
Tonantzintla  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico  
☎ 52 2 247 2011\*2307  
☎ 52 2 247 2231  
✉ aleg@inaoep.mx

**Gonzales Jean-Francois**

CRAL  
ENS  
46 All Italie  
F 69364 Lyon Cdx 07  
France  
☎ 33 4 72 72 8466  
☎ 33 4 72 72 8080  
✉ jfgonzal@physique.ens-lyon.fr

**Gonzales'a Walter D**

INPE  
Dpt Astronomia  
CP 515  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 123 22 9977  
☎ 55 123 21 8743

**Gonzales-Alfonso Eduardo**

Observ Astronomico  
Nacional  
Apt 1143  
E 28800 Alcalá de Henares  
Spain  
☎ 34 1 885 5060  
☎ 34 1 885 5062  
✉ eduardo@oan.es

**Gonzalez Camacho Antonio**

Inst Astron/Geodesia  
Fac Ciencias Matemat  
Univ Complutense  
E 28040 Madrid  
Spain  
☎ 34 1 244 2501  
☎ 34 1 394 5195

**Gonzalez G**

INAOE  
Tonantzintla  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico  
☎ 52 2 247 2011  
☎ 52 2 247 2231

**Gonzalez J Jesus**

Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653  
✉ jesus@astrocu.unam.mx

**Gonzalez Serrano J I**

Istt Fisica d Cantabria  
C/o Facultad Ciencias  
Avda Los Castros s/n  
E 39005 Santander  
Spain  
☎ 34 4 220 1450  
☎ 34 4 220 1402  
✉ gserrano@ccucvx.unican.es

**Gonzalez-Riestra R**

ESA  
Apt 50727 Villafranca  
E 28080 Madrid  
Spain  
☎ 34 1 813 1100  
☎ 34 1 813 1139

**Gonze Roger F J**

Koninklijke Sterrenwacht  
van Belgie  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0294  
☎ 32 2 373 9822  
✉ roger.gonze@oma.be

**Goode Philip R**

Physics Dpt  
NJ Inst of Technology  
323 High St  
Newark NJ 07102  
USA  
☎ 1 201 596 3562

**Goodman Alyssa Ann**

Astronomy Dpt  
Harvard Univ MS 46  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 9278  
☎ 1 617 495 7345  
✉ agoodman@cfa.harvard.edu

**Goodrich Robert W**

W M Keck Observ  
Box 220  
65 1120 Mamalahoa Hwy  
Kamuela HI 96743  
USA  
☎ 1 808 885 7887  
☎ 1 808 885 4464  
✉ rwg@deimos.caltech.edu

**Goody R M**

CEPP  
Pierce Hall  
29 Oxford St  
Cambridge MA 02138  
USA  
☎ 1 617 495 4517

**Goossens Marcel**

Ctr Plasma Astrophysics  
Katholieke Univ Leuven  
Celestijnenlaan 200B  
B 3001 Heverlee  
Belgium  
☎ 32 16 32 7012  
☎ 32 16 32 7998  
✉ marcel.goossens@wis.kuleuven.ac.be

**Gopala Rao U V**

Satellite Meteorology  
Indian Meteorologic Dpt  
Lodi Rd/mausam Bhavan  
New Delhi 110 003  
India

**Gopalswamy N**

Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 454 6649  
☎ 1 301 314 9067

**Gopasyuk S I**

Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
☎ 380 6554 40704

**Gor'kavij Nikolai**

Crimean Astrophys Obs  
Simeiz  
334242 Yalta  
Ukraine  
☎ 380 6542 40077  
☎ 380 6554 40704  
✉ gorka@crao.crimea.ua

**Gorbatsky Vitalij G**

Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
198904 St Petersburg  
Russia  
☎ 7 812 428 7129  
☎ 7 812 428 4259  
✉ vayak@astro.lgu.spb.su

**Gordon Charlotte**

11 r Tournefort  
F 75005 Paris  
France

**Gordon Courtney P**

Astronomy Dpt  
Hampshire Coll  
Amherst MA 01002  
USA  
☎ 1 413 545 2290

**Gordon Isaac M**

Inst Radio Astron  
Ukrainian Acad Science  
4 Chervonopraporna st  
310085 Kharkiv  
Ukraine

**Gordon Kurtiss J.**

Astronomy Dpt  
Hampshire Coll  
Amherst MA 01002  
USA  
☎ 1 413 549 4600

**Gordon Mark A**

NRAO  
Campus Bg 65  
949 N Cherry Av  
Tucson AZ 85721 0655  
USA  
☎ 1 520 882 8250  
☎ 1 520 882 7955

**Gorenstein Marc V**

CFR  
HCO/SAO MS 42  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 9296  
☎ 1 617 495 7356

**Gorenstein Paul**

CFR  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7250  
☎ 1 617 495 7356

**Goret Philippe**

DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 4463  
☎ 33 1 69 08 6577

**Gorgas Garcia Javier**

Dpt Astrofisica  
Fac Fisica  
Univ Complutense  
E 28040 Madrid  
Spain  
☎ 34 1 549 5316  
☎ 34 1 394 5195

**Gorgolewski Stanislaw Pr**

Inst Radio Astron  
N Copernicus Univ  
Ul Gagarina 11  
PL 87 100 Torun  
Poland  
☎ 48 56 78 3327  
☎ 48 56 11 651

**Gorschkov Alexander G**

SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 3838  
☎ 7 095 932 8841  
✉ algor@sai.msu.su

**Gosachinskij Igor V**

SAO/St Petersburg Br  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4372  
☎ 7 812 123 2042  
✉ gos@fsao.spb.su

**Gosling John T**

LANL  
MS D438 ESS8  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 5389  
☎ 1 505 665 4055

**Goss W Miller**  
 NRAO  
 VLA  
 Box 0  
 Socorro NM 87801 0387  
 USA

☎ 1 505 772 4011  
 ☎ 1 505 835 7027

**Gosset Eric**  
 Inst Astrophysique  
 Universite Liege  
 Av Cointe 5  
 B 4000 Liege  
 Belgium  
 ☎ 32 4 254 7518  
 ☎ 32 4 254 7511  
 ✉ gosset@astro.ulg.ac.be

**Goswami J N**  
 PRL  
 Navrangpura  
 Ahmedabad 380 009  
 India  
 ☎ 91 272 46 2129  
 ☎ 91 272 44 5292

**Gott J Richard**  
 Dpt Astrophysical Sci  
 Princeton Univ  
 Princeton NJ 08544 1001  
 USA  
 ☎ 1 609 452 3813  
 ☎ 1 609 258 1020

**Gottesman Stephen T**  
 Astronomy Dpt  
 Univ of Florida  
 211 SSRB  
 Gainesville FL 32611  
 USA  
 ☎ 1 904 392 2050/2052  
 ☎ 1 904 392 5089

**Gottlieb Carl A**  
 Inst Space Studies  
 2880 Broadway  
 New York NY 10025  
 USA  
 ☎ 1 212 678 5566

**Gottloeber Stefan**  
 Astrophysik Inst  
 Potsdam Univ  
 an d Sternwarte 16  
 D 14482 Potsdam  
 Germany  
 ☎ 49 331 749 90  
 ☎ 49 331 749 9200  
 ✉ sgottloeber@aip.de

**Gouda Naoteru**  
 Dpt Earth Sp Sciences  
 Fac Sciences  
 Osaka Univ  
 Toyonaka Osaka 560  
 Japan  
 ☎ 81 684 41 151 \*4117  
 ☎ 81 685 31 787  
 ✉ gouda@oskastro.kek.ac.jp

**Goudas Constantine L**  
 Mathematics Dpt  
 Univ of Patras  
 GR 261 10 Rion  
 Greece  
 ☎ 30 61 99 7572  
 ☎ 30 61 99 7636

**Goudis Christos D**  
 Physics Dpt  
 Univ of Patras  
 GR 261 10 Rion  
 Greece  
 ☎ 30 61 99 7572  
 ☎ 30 61 99 7636

**Gough Douglas O**  
 Inst of Astronomy  
 The Observatories  
 Madingley Rd  
 Cambridge CB3 0HA  
 UK  
 ☎ 44 12 23 337 548  
 ☎ 44 12 23 337 523

**Gouguenheim Lucienne**  
 Observ Paris Meudon  
 ARPEGES  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7604  
 ☎ 33 1 45 07 7939  
 ✉ gouguenheim@obspm.fr

**Gould Robert J**  
 Physics Dpt  
 UCSD  
 B 01  
 La Jolla CA 92093 0216  
 USA  
 ☎ 1 619 452 3649  
 ☎ 1 619 534 2294

**Goupil Marie-Jose**  
 Observ Paris Meudon  
 DASGAL  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7880  
 ☎ 33 1 45 07 7472

**Gouttebroze Pierre**  
 IAS  
 Bt 121  
 Universite Paris XI  
 F 91405 Orsay Cdx  
 France  
 ☎ 33 1 69 85 8621  
 ☎ 33 1 69 85 8675

**Gower Ann C**  
 Physics Dpt  
 Univ of Victoria  
 Box 1700  
 Victoria BC V8W 2Y2  
 Canada  
 ☎ 1 250 721 7700  
 ☎ 1 250 721 7715

**Gower J F R**  
 1615 Mctavish Rd Rr 2  
 Sidney BC V8L 3S1  
 Canada  
 ☎ 1 250 656 5457

**Goy Gerald**  
 Observ Geneve  
 Chemin d Maillettes 51  
 CH 1290 Sauvigny  
 Switzerland  
 ☎ 41 22 755 2611  
 ☎ 41 22 755 3983

**Goyal A N**  
 Mathematics Dpt  
 Univ of Rajasthan  
 Jaipur 302 004  
 India  
 ☎ 91 74 060

**Goyal Ashok Kumar**  
 Dpt Phys/Astrophys  
 Univ of Delhi  
 Delhi 110 007  
 India  
 ☎ 91 11 558 0982  
 ✉ agoyal@ducos.ernet.in

**Gozhy Adam**  
 Poltava Gravimetical Obs  
 Mjasojedova 27/29  
 314029 Poltava  
 Ukraine  
 ☎ 380 5322 72039  
 ☎ 380 5322 74903  
 ✉ gozhy@geo.kot.poltava.ua

**Graboske Harold C**  
 LLNL  
 L 23  
 Box 808  
 Livermore CA 94551 9900  
 USA  
 ☎ 1 415 422 7262  
 ☎ 1 415 423 0238

**Grabowski Boleslaw**  
 Inst of Physics  
 Pedagogical Univ  
 Ul Oleska 48  
 PL 45 951 Opole  
 Poland  
 ☎ 48 12 37 4777\*280  
 ☎ 48 12 3 2243

**Grachev Stanislav I**  
 Astronomical Institute  
 St Petersburg Univ  
 Bibliotchnaja Pl 2  
 198904 St Petersburg  
 Russia  
 ☎ 7 812 428 4163  
 ☎ 7 812 428 6649  
 ✉ vayak@astro.lgu.spb.ru

**Gradie Jonathan Carey**  
 Inst of Geophysics  
 Univ of Hawaii  
 2525 Correa Rd  
 Honolulu HI 96822  
 USA  
 ☎ 1 808 956 6488  
 ☎ 1 808 988 2790

**Gradsztajn Eli**  
 Dpt Phys/Astronomy  
 Tel Aviv Univ  
 Ramat Aviv  
 Tel Aviv 69978  
 Israel  
 ☎ 972 3 640 8208  
 ☎ 972 3 640 8179

**Grady Carol Anne**  
 Physics Dpt  
 The Catholic Univ  
 of America  
 Washington DC 20064  
 USA  
 ☎ 1 202 319 5315  
 ☎ 1 202 319 5579

**Graham David A**  
 RAIUB  
 Univ Bonn  
 auf d Huegel 69  
 D 53121 Bonn  
 Germany  
 ☎ 49 228 525 282  
 ☎ 49 228 525 229

**Graham Eric**  
 Direct Algorithms  
 Box 2301  
 Tubac AZ 85646  
 USA

**Graham John A**  
 Dpt Terrest Magnetism  
 Carnegie Inst Washington  
 5241 Bd Branch Rd NW  
 Washington DC 20015 1305  
 USA  
 ☎ 1 202 966 0863  
 ✉ graham@jag.ciw.edu

**Grahl Bernd H**  
 RAIUB  
 Univ Bonn  
 auf d Huegel 69  
 D 53121 Bonn  
 Germany  
 ☎ 49 225 731 12  
 ☎ 49 228 525 229

**Grainger John F**  
 Physics Dpt  
 UMIST  
 Box 88  
 Manchester M60 1QD  
 UK  
 ☎ 44 161 200 3677  
 ☎ 44 161 200 3669

**Gramann Mirt**  
 Tartu Observ  
 Estonian Acad Sci  
 Toravere  
 EE 2444 Tartumaa  
 Estonia  
 ☎ 372 7 410 265  
 ☎ 372 7 410 205

**Grandi Steven Aldridge**  
 NOAO  
 Box 26732  
 950 N Cherry Av  
 Tucson AZ 85726 6732  
 USA  
 ☎ 1 520 327 5511  
 ☎ 1 520 325 9360

**Grandpierre Attila**  
 Konkoly Observ  
 Thege U 13/17  
 Box 67  
 H 1525 Budapest  
 Hungary  
 ☎ 36 1 375 4122  
 ☎ 36 1 275 4668  
 ✉ grandp@ogyalla.konkoly.hu



**Grant Ian P**  
Pembroke College  
Oxford OX1 1DW  
UK  
☎ 44 186 524 2271

**Granveaud Michel**  
Observ Paris  
LPTF  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 43 20 1210  
☎ 33 1 44 32 8001

**Grasdalen Gary L**  
Dpt Phys/Astronomy  
Univ of Wyoming  
Box 3905  
Laramie WY 82071  
USA  
☎ 1 307 766 4385  
☎ 1 307 766 2652

**Gratton Raffaella G**  
Osserv Astronomico  
d Roma  
Via d osservatorio 5  
I 00040 Monteporzio  
Italy  
☎ 39 6 944 9019  
☎ 39 6 944 7243

**Grauer Albert D**  
Dpt Phys/Astronomy  
UALR  
33rd/Univ  
Little Rock AR 72204  
USA  
☎ 1 501 569 3275

**Gray David F**  
Dpt Phys/Astronomy  
Univ W Ontario  
London ON N6A 3K7  
Canada  
☎ 1 519 679 2111\*6715  
☎ 1 519 661 2033  
✉ dfgray@uwo.ca

**Gray Norman**  
Dpt Phys/Astronomy  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855\*4153  
☎ 44 141 334 9029  
✉ norman@astro.gla.ac.uk

**Gray Peter Murray**  
AAO  
Box 296  
Epping NSW 2121  
Australia  
☎ 61 2 868 1666  
☎ 61 2 9876 8536

**Gray Richard O**  
Dpt Phys/Astronomy  
Appalachian State Univ  
Boone NC 28608  
USA  
☎ 1 704 262 2430  
☎ 1 704 262 2049  
✉ grayro@conrad.  
appstate.edu

**Grayzeck Edwin J**  
Physics Dpt  
Univ of Nevada  
4505 S Maryland Parkway  
Las Vegas NV 89154  
USA  
☎ 1 702 739 3507  
☎ 1 702 739 0804

**Grebenev Sergei A**  
Space Res Inst  
Profsoyuznaya 84/32  
Moscow 117810  
Russia  
☎ 7 095 333 3377  
☎ 7 095 333 5377  
✉ grebenev@hea.iki.  
rssi.ru

**Grebenev Evgenij A**  
Lomonosov State Univ  
117234 Moscow  
Russia

**Grec Gerard**  
Dpt Astrophysique  
Universite Nice  
Parc Valrose  
F 06034 Nice Cdx  
France  
☎ 33 4 93 51 9100  
☎ 33 4 93 52 9806

**Gredel Roland**  
Ctr Astron Hispano Aleman  
Reina 66 9b  
Apt C 511  
E 040480 Almeria  
Spain  
☎ 34 9 502 30988  
☎ 34 9 502 30373  
✉ gredel@caha.es

**Green Anne**  
School of Physics  
UNSW  
Dpt Astrophysics  
Sydney NSW 2006  
Australia  
☎ 61 2 9351 2727  
☎ 61 2 9351 7726  
✉ agreen@physics.usyd.  
edu.au

**Green Daniel William E**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7440  
☎ 1 617 495 7231  
✉ green@cfa.harvard.edu

**Green David**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 305  
☎ 44 12 23 354 599  
✉ D.A.Green@mrao.  
cam.ac.uk

**Green Elizabeth M**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 881 111  
☎ 61 262 490 233

**Green Jack**  
Dpt Geology  
Calif State Univ  
Long Beach CA 90840  
USA  
☎ 1 213 498 4809

**Green Louis C**  
3300 Darby Rd  
Apt 1208  
Haverford PA 19041  
USA  
☎ 1 215 649 0265

**Green Richard F**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 325 9299  
☎ 1 520 325 9360

**Green Robin M**  
Astronomy Dpt  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855  
☎ 44 141 334 9029

**Green Simon F**  
Physics Lab  
Univ of Kent  
Canterbury CT2 7NR  
UK  
☎ 44 12 27 764 000\*3780  
☎ 44 12 27 762 616

**Greenberg J Mayo**  
Rijkuniversiteit te  
Huygens Lab  
Box 9504  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5700  
☎ 31 71 527 5819

**Greenberg Richard**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 6940  
☎ 1 520 621 4933

**Greenhill John**  
Physics Dpt  
Univ Tasmania  
GPO Box 252c  
Hobart TAS 7001  
Australia  
☎ 61 2 202 429  
☎ 61 2 202 410  
✉ grnhil@physvax.phys.  
utas.edu.a

**Greenhill Lincoln J**  
Cfa  
HCO/SAO MS 42  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7194  
☎ 1 617 495 7345  
✉ greenhill@cfa.harvard.edu

**Greenhouse Matthew A**  
Ntl Air/Space Museum  
Smithsonian Institution  
MRC 321  
Washington DC 20560  
USA  
☎ 1 202 357 1319  
☎ 1 202 633 8174  
✉ matt@nasm.edu

**Greenstein George**  
Astronomy Dpt  
Amherst College  
Amherst MA 01002  
USA  
☎ 1 413 542 2075  
✉ gsgreenstein@amherst.edu

**Greenstein Jesse L**  
CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 356 4006  
☎ 1 818 568 1517

**Gregg Michael David**  
LLNL  
L 413  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 415 423 0666  
☎ 1 415 423 0238  
✉ gregg@fuego.llnl.gov

**Greggio Laura**  
Dpt Astronomia  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 413  
☎ 39 51 259 407

**Gregorini Loretta**  
Istt Radioastronomia  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9385  
☎ 39 51 639 9385

**Gregorio-Hetem Jane**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599\*235  
☎ 55 11 276 3848  
✉ jane@vax.iagusp.usp.br

- Gregory Philip C**  
Physics Dpt  
UBC  
224 Agricultural Rd  
Vancouver BC V6T 1W5  
Canada  
☎ 1 604 228 6417  
① 1 604 228 5324
- Gregory Stephen Albert**  
Dpt Phys/Astronomy  
Bowling Green State Univ  
Bowling Green OH 43403  
USA  
☎ 1 419 372 2421  
① 1 419 372 9938
- Greisen Kenneth I**  
379 Savage Farm Rd  
Ithaca NY 14850 6505  
USA
- Grenier Isabelle**  
DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 4400  
① 33 1 69 08 6577
- Grenier Suzanne**  
Observ Paris Meudon  
DASGA  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7841  
① 33 1 45 07 7971
- Grenon Michel**  
Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauverny  
Switzerland  
☎ 41 22 755 2611  
① 41 22 755 3983  
✉ michel.grenon@obs.unige.ch
- Greve Albert**  
IRAM  
300 r La Piscine  
F 38406 S Martin Heres Cdx  
France  
☎ 33 4 76 82 4931  
① 33 4 76 51 5938
- Grevesse Nicolas**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
① 32 4 254 7511  
✉ grevesse@astro.ulg.ac.be
- Grewing Michael**  
Astronomisches Institut  
Univ Tuebingen  
Waldhauserstr 64  
D 72076 Tuebingen  
Germany  
☎ 49 707 129 2486  
① 49 707 129 3458  
✉ grewing@iram.fr
- Greyber Howard D**  
10123 Falls Rd  
Potomac MD 20854  
USA
- Griffin I P**  
Astronaut Mem Planet/Obs  
Brevard Comm College  
1519 Clearlake Rd  
Cocoa FL 32922  
USA  
☎ 1 407 632 1111\*63503  
① 1 407 633 4565  
✉ griffin.i@a1.brevard.cc.fl.us
- Griffin Ian Paul**  
Armagh Planetarium  
College Hill  
Armagh BT61 9DB  
UK  
☎ 44 18 61 524 725  
① 44 18 61 526 187  
✉ ipg@star.arm.ac.uk
- Griffin Matthew J**  
Astrophysics Group  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5555  
① 44 181 975 5500  
✉ mjg@uk.ac.qmc.star
- Griffin Rita E M**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
① 44 12 23 337 523
- Griffin Roger F**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
① 44 12 23 337 523  
✉ rfg@ast.cam.ac.uk
- Griffith John S**  
Dpt Math Sci  
Lakehead Univ  
Thunder Bay ON P7B 5E1  
Canada  
☎ 1 807 343 8227  
✉ griffith@lakheadu.ca
- Griffiths Richard E**  
Physics Dpt  
Carnegie Mellon Univ  
Wean Hall 8311  
Pittsburgh PA 15213 3890  
USA  
☎ 1 412 268 1886  
① 1 412 681 0648  
✉ griffith@astro.phys.cmu.edu
- Griffiths William K**  
Physics Dpt  
Univ of Leeds  
Leeds LS2 9JT  
UK  
☎ 44 113 233 3860  
① 44 113 233 3846
- Grigorleva Virginia P**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 1030  
① 7 095 939 1661  
✉ vega@sai.msu.ru
- Grigorjev Victor M**  
Sibizmir  
Acad Sciences  
664697 Irkutsk 33  
Russia  
☎ 7 395 262 9388
- Grindlay Jonathan E**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7204  
① 1 617 495 7356
- Grinin Vladimir P**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
① 380 6554 40704
- Grinspoon David Harry**  
LASP  
Univ of Colorado  
Campus Box 392  
Boulder CO 80309 0392  
USA  
☎ 1 303 492 6230  
① 1 303 492 6946  
✉ david@sunra.colorado.edu
- Grishchuk Leonid P**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 139 5006  
① 7 095 939 0126
- Groenewegen Martin**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 3252  
① 49 893 299 3235  
✉ groen@mpa-garching.mpg.de
- Groote Detlef**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4112  
① 49 407 252 4198
- Grosbol Preben Johnson**  
ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6237  
① 49 893 202 362  
✉ pgrosbol@eso.org
- Gross Peter G**  
714 Oxford Rd  
Bala Cynwyd PA 19004  
USA
- Gross Richard Sewart**  
CALTECH/JPL  
MS 238 332  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 4010  
① 1 818 393 6890  
✉ rsg@logos.jpl.nasa.gov
- Grossman Allen S**  
Erwin W Fick Observ  
Iowa State Univ  
Ames IA 50011  
USA  
☎ 1 515 294 3666
- Grossman Lawrence**  
Dpt Geophysical Sci  
Univ of Chicago  
5734 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 962 8153
- Grossmann-Doerth U**  
Kiepenheuer Inst  
Sonnephysik  
Schoeneckstr 6  
D 79104 Freiburg Breisgau  
Germany  
☎ 49 761 328 64  
① 49 761 319 8111
- Grotten Erwin**  
Inst Physik Geod  
Univ of Technology  
Petersenstr 13  
D 6100 Darmstadt  
Germany  
☎ 49 615 116 3109  
① 49 615 116 4512  
✉ grotten@ipgs.ipg.verm.tu-darmstadt.de
- Groushinsky Nikolai P**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2858  
① 7 095 939 0126

**Grubissich C**

Vi Aosta 34/5  
I 35142 Padova  
Italy

☎ 39 49 38 301

**Grudler Pierre**

OCA  
CERGA  
F 06130 Grasse  
France

☎ 33 4 93 40 5424  
① 33 4 93 40 5353

**Grudzinska Stefania**

Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland

☎ 48 56 26 018  
① 48 56 24 6002

**Grueff Gavril**

Istt Radioastronomia  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy

☎ 39 51 639 9385  
① 39 51 639 9385

**Gruen Eberhard**

MPI Kernphysik  
Postfach 103 980  
D 69029 Heidelberg  
Germany

☎ 49 622 151 6478  
① 49 622 151 5640  
✉ gruen@dusty.mpi-  
hp.mpg.de

**Gruenwald Ruth**

IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil

☎ 55 11 577 8599  
① 55 11 276 3848

**Gry Cecile**

LAS  
Traverse du Siphon  
Les Trois Lucs  
F 13376 Marseille Cdx 12  
France

☎ 33 4 91 05 5900  
① 33 4 91 66 1855  
✉ cecile@frlasm51

**Grygar Jiri**

Inst of Physics  
Czech Acad Sci  
Na Slovance 2  
CZ 180 00 Praha 8  
Czech R

☎ 420 2 6605 2660  
① 420 2 858 5443  
✉ grygar@fzu.cz

**Grzedzielski Stanislaw Pr**

Space Res Ctr  
Polish Acad Sci  
Ul Ordona 21  
PL 01 237 Warsaw  
Poland

☎ 48 22 40 3766  
① 48 22 36 8961

**Gu Xiaoma**

Yunnan Observ  
CAS  
Kunming 650011  
China PR

☎ 86 871 2035  
① 86 871 717 1845

**Gu Zhennian**

Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR

☎ 86 21 6438 6191  
① 86 21 6438 4618  
✉ gzn@center.shao.  
ac.cn

**Guarnieri Adriano**

Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy

☎ 39 51 51 9593  
① 39 51 25 9407

**Gubanov Vadim S**

Astrometry/Geodin Lab  
Inst Appl Astron  
Zhdanovskaya St 8  
197110 St Petersburg  
Russia

☎ 7 812 230 7414  
① 7 812 230 7413  
✉ gubanov@isida.ipa.  
rssi.ru

**Gubchenko Vladimir M**

Insitte Appl Physics RAS  
46 Ulyanov St  
Nizhny Novgorod 603600  
Russia

☎ 7 831 238 4381  
① 7 831 236 2061  
✉ ua3thw@appl.sci-  
nnov.ru

**Gudehus Donald Henry**

CHARA  
Georgia State Univ  
Atlanta GA 30303 3083  
USA

☎ 1 404 658 2932  
① 1 404 651 1389  
✉ gudehus@chara.gsu.edu

**Gudmundsson Einar H**

Rauvvisindastofnun  
Haskolans  
Dunhaga 3  
IS 107 Reykjavik  
Iceland

☎ 354 525 4800  
① 354 552 8911  
✉ einar@rauvis.hi.is

**Gudur N**

Dpt Astron/Space Sci  
Ege Univ  
Box 21  
35100 Bornova Izmir  
Turkey

☎ 90 232 388 0110\*2322

**Guedel Manuel**

Paul Scherrer Inst  
Wuerenlingen/Villigen  
CH 5232 Villigen Psi  
Switzerland

☎ 41 16 32 7129  
① 41 16 32 1205  
✉ guedel@astro.phys.  
ethz.ch

**Guelin Michel**

IRAM  
300 r La Piscine  
F 38406 S Martin Heres Cdx  
France

☎ 33 4 76 42 3383  
① 33 4 76 51 5938

**Guenther David**

Astronomy Dpt  
St Mary's Univ  
Halifax NS B3H 3C3  
Canada

☎ 1 902 420 5832  
✉ dguenther@ap-  
stmmarys.ca

**Guenther Eike**

Thueringer Landessternwarte  
Sternwarte 5  
D 07778 Tautenburg  
Germany

☎ 49 364 278 6355  
① 49 364 278 6329  
✉ guenther@tls-  
tautenburg.de

**Guerin Pierre**

IAP  
98bis bd Arago  
F 75014 Paris  
France

☎ 33 1 44 32 8007  
① 33 1 44 32 8001

**Guerrero Gianantonio**

Osserv Astronomico  
d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy

☎ 39 990 6412  
① 39 990 8492

**Guertler Joachin**

Astrophysik Inst  
Univ Sternwarte  
Schillergaesschen 2  
D 07745 Jena  
Germany

☎ 49 364 163 0323  
① 49 364 163 0417

**Guest John E**

UCLO  
ULO  
Mill Hill Park  
London NW7 2QS  
UK

☎ 44 181 959 7367  
① 44 171 380 7145

**Guesten Rolf**

RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany

☎ 49 228 525 379  
① 49 228 525 229

**Guetter Harry Hendrik**

USNO  
Flagstaff Station  
Box 1149  
Flagstaff AZ 86002 1149  
USA

☎ 1 602 779 5132  
① 1 520 774 3626  
✉ hguetter@nobs.navy.mil

**Guhathakurta Madhulika**

NASA GSFC  
Code 682  
Greenbelt MD 20771  
USA

☎ 1 301 286 0722  
① 1 301 286 1617  
✉ likae@madhu.gsfc.nasa.gov

**Guibert Jean**

Observ Paris  
DASGAL  
61 Av Observatoire  
F 75014 Paris  
France

☎ 33 1 40 51 2098  
① 33 1 40 51 2090  
✉ jean.guibert@obspm.fr

**Guichard Jose**

INAOE  
Tonantzintla  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico

☎ 52 2 247 2011  
① 52 2 247 2231

**Guideroni Bruno**

IAP  
98bis bd Arago  
F 75014 Paris  
France

☎ 33 1 44 32 8098  
① 33 1 44 32 8001  
✉ guider@iap.fr

**Guidice Donald A**

AFPL  
Space Physics Div  
Hanscom AFB  
Bedford MA 01731 3010  
USA

☎ 1 617 861 3989

**Guinan Edward Francis**  
Astronomy Dpt  
Villanova Univ  
800 Lancaster Av  
Villanova PA 19085  
USA  
☎ 1 610 519 4823  
☎ 1 610 519 6132  
✉ guinan@ucis.vill.edu

**Guinot Bernard R**  
2 r d Soupirs  
F 77590 Chartrettes  
France  
☎ 33 1 64 81 1133  
✉ bguinot@compuserve.com

**Gulkis Samuel**  
CALTECH/JPL  
MS 169 506  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 5708  
☎ 1 818 354 2946

**Gull Stephen F**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 274  
☎ 44 12 23 354 599

**Gull Theodore R**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6184  
☎ 1 301 286 1753  
✉ gull@sea.gsfc.nasa.gov

**Gulliver Austin Fraser**  
Dpt Phys/Astronomy  
Univ of Brandon  
270 18th Street  
Brandon MB R7A 6A9  
Canada  
☎ 1 204 727 7441  
☎ 1 204 728 7346  
✉ gulliver@brandonu.ca

**Gulmen Omur**  
Dpt Astron/Space Sci  
Ege Univ  
Box 21  
35100 Bornova Izmir  
Turkey  
☎ 90 232 388 0110\*2322

**Gulsecen Hulusi**  
Univ Observ  
Univ of Istanbul  
University 34452  
34452 Istanbul  
Turkey  
☎ 90 212 522 3597  
☎ 90 212 519 0834  
✉ ik001@triumv11

**Gulyaev Albert P**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 139 1970  
☎ 7 095 939 0126

**Gulyaev Rudolf A**  
ITMIRWP  
Acad Sciences  
142092 Troitsk  
Russia  
☎ 7 095 334 0284  
☎ 7 095 334 0124  
✉ rgulyaev@izmiran.rssi.ru

**Gulyaev Sergei A**  
9/729 Remuera Rd  
Auckland 1005  
New Zealand  
☎ 7 9 522 4531  
☎ 7 9 522 4531  
✉ sergei\_gulyaev@hotmail.com

**Gunji Shuichi**  
Physics Dpt/Faculty of Sci  
Yamagata Univ  
1-4-12 Kojirakawa  
Yamagata 990  
Japan  
☎ 81 236 28 4555  
☎ 81 236 28 4567  
✉ gunji@ksvx1.kj.yamagata-u.ac.jp

**Gunn James E**  
Dpt Astrophysical Sci  
Princeton Univ  
Peyton Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 452 3802  
☎ 1 609 258 1020

**Guo Hongfeng**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6254 5179  
☎ 86 1 256 10855  
✉ ghf@bao01.bao.ac.cn

**Guo Nei-shu**  
Nanjing Astronomical  
Instrument Factory  
Box 846  
Nanjing  
China PR  
☎ 86 25 64 6191  
☎ 86 25 71 1256

**Guo Quanshi**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
☎ 86 25 301 459

**Gupta Sunil K**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 215 2971\*545  
☎ 91 22 495 2110  
✉ guptask@tifrvax

**Gupta Yashwant**  
NCRA/TIFR  
Pune Univ Campus Pb 3  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 357 107  
☎ 91 212 355 149  
✉ ygupta@ncra.tifr.res.in

**Gurm Hardev S**  
Dpt Astronomy/Space Sci  
Univ of Panjabi  
Patiala 147 002  
India  
☎ 91 73262\*96

**Gurman Joseph B**  
NASA GSFC  
Code 602 6  
Greenbelt MD 20771  
USA  
☎ 1 301 286 7599

**Gurshtein Alexander A**  
Mesa State College  
Box 2674  
Grand Junction CO 81502  
Russia  
✉ alex@mesa7.mesa.colorado.edu

**Gursky Herbert**  
NRL  
Code 4100  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 6343

**Gurvits Leonid**  
JIVE  
Postbus 2  
NL 7991 PD Dwingeloo  
Netherlands  
☎ 31 521 59 6514  
☎ 31 52 159 7332  
✉ lgurvits@jive.nfra.nl

**Gurzadian Grigor A**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640  
✉ gurzadyan@vx1.yerphi.am

**Guseinov O H**  
Inst of Physics  
Akademgorodoc  
Narimanov Ul 33  
370143 Baku  
Azerbaijan  
☎ 994 39 3951

**Guseynov Ragim Eh**  
Shemakha Astrophysical  
Observ  
Azerbaijan Acad Sci  
373243 Shemakha  
Azerbaijan  
☎ 994 89 22 39 8248

**Guseva Irina S**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4386  
☎ 7 812 123 1922  
✉ isg@gaoran.spb.su

**Gussmann E A**  
Znrlnst Astrophysik  
Sternwarte Babalsberg  
Rosa Luxemburg Str 17a  
D 14473 Potsdam  
Germany  
☎ 49 331 275 3731

**Gustafson Bo A S**  
Astronomy Dpt  
Univ of Florida  
211 SSRB  
Gainesville FL 32611  
USA  
☎ 1 904 392 7677  
☎ 1 904 392 5089  
✉ gustaf@astro.ufl.edu

**Gustafsson Bengt**  
Astronomical Observ  
Box 515  
S 751 20 Uppsala  
Sweden  
☎ 46 18 53 0265  
☎ 46 18 52 7583

**Gutcke Dietrich**  
Carl Zeiss Jena GmbH  
Tatzens Promenade 1a  
Postfach 125  
D 07740 Jena  
Germany  
☎ 49 364 1640  
☎ 49 364 164 2542

**Guthrie Bruce N G**  
5 Arden St  
Edinburgh EH9 1BR  
UK  
☎ 44 131 229 4957

**Gutierrez-Moreno A**  
Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101/4002  
☎ 56 2 229 4002

**Guzik Joyce Ann**  
LANL  
MS B220 X 2  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 8927  
☎ 1 505 665 4080  
✉ joy@beta.lanl.gov

**M86**

**Guzzo Luigi**  
Osserv Astronomico  
d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy  
☎ 39 990 6412  
📞 39 990 8492  
✉ guzzo@merate.mi.  
astro.it

**Gwinn Carl R**  
Physics Dpt  
Univ of California  
Santa Barbara CA 93106  
USA  
☎ 1 805 961 2814  
📞 1 805 961 4170  
✉ cgwinn@voodoo.  
ucsb.edu

**Gyldenkerne Kjeld**  
Observator Gyldenkerne  
Vej 13  
DK 4340 Tollose  
Denmark

**Gyori Lajos**  
Heliophysical Observ  
Box 93  
H 5701 Gyula  
Hungary  
☎ 36 3 615 53

**Gyulbudaghian Armen L**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
📞 374 88 52 52 3640  
✉ byurakan@adonis.ias.  
msk.su

**Goharji Adan**  
Astronomy Dpt  
KAAU  
Box 9028  
Jeddah 21413  
Saudi Arabia  
☎ 966 2 695 2285  
📞 966 2 640 0736

## H

**Habbal Shadia Rifai**  
CFA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7348  
📠 1 617 495 7356

**Habe Asap**  
Physics Dpt  
Hokkaido Univ  
Kita 10 Nishi 8  
Sapporo 060  
Japan  
☎ 81 117 11 2111  
📠 81 222 85 132

**Habing Harm J**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 2727  
📠 31 71 527 5819

**Hachenberg Otto**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 73 3658  
📠 49 228 73 3672

**Hachisu Izumi**  
Dpt Earth Sciences  
Univ of Tokyo  
Meguro Ku  
Tokyo 153  
Japan  
☎ 81 354 546 615  
📠 81 334 85 2904  
✉ hachisu@chianti.c.u-  
tokyo.ac.jp

**Hack Margherita**  
OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 31 99255  
📠 39 40 30 9418

**Hackwell John A**  
Aerospace Corp  
Box 92957  
Los Angeles CA 90009 2957  
USA  
☎ 1 310 766 6296  
📠 1 310336 7055

**Haddock Fred T**  
Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 764 3430  
📠 1 313 763 6317

**Hadjidemetriou John D**  
Physics Dpt  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 8211  
📠 30 31 99 8211  
✉ hadjidem@physics.auth.gr

**Hadley Brian W**  
Royal Observ  
Blackford Hill  
Edinburgh EH9 3HU  
UK  
☎ 44 131 668 8296  
📠 44 131 668 8356  
✉ bwh@roe.ac.uk

**Hadrava Petr**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7141  
📠 420 2 88 1611  
✉ had@sunstel.asu.cas.cz

**Haefner Reinhold**  
Inst Astron/Astrophysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 890 21  
📠 49 899 220 9427

**Haemeen Anttila Kaarle A**  
Astronomy Dpt  
Univ of Oulu  
Box 333  
FIN 90570 Oulu  
Finland  
☎ 358 81 553 2022  
📠 358 81 553 1934

**Haenninen Jyrki**  
Dpt Geosc/Astronomy  
Univ of Oulu  
Box 333  
FIN 90570 Oulu  
Finland  
☎ 358 81 553 1937  
📠 358 81 553 1934  
✉ jyrki@seita.oulu.fi

**Haensel Pawel**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
📠 48 22 41 0828

**Haerendel Gerhard**  
MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 3516  
📠 49 893 299 3569

**Hafizi Mimoza**  
Fak I Shkencave Natyre  
Katedra Fizikes Teorike  
Tirana  
Albania  
☎ 355 42 40 805  
📠 355 42 30 747  
✉ mhafizi@fshn.tirana.al

**Hagen Hans-Juergen**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4136  
📠 49 407 252 4198

**Hagen John P**  
2920 Ashby Av  
Las Vegas NV 89102 1945  
USA

**Hagen-Thorn Vladimir A**  
Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
198904 St Petersburg  
Russia  
☎ 7 812 257 9491  
📠 7 812 428 4259

**Hagfors Tor**  
MPI Aeronomie  
Max Planck Str 2  
Postfach 20  
D 37189 Kaltenburg  
Germany  
☎ 49 555 697 90  
📠 49 555 697 9240

**Hagio Fumihiko**  
Kumamoto Inst Techn  
Ikeda 4  
Kumamoto 860  
Japan  
☎ 81 963 26 3111  
📠 81 963 26 3000

**Hagyard Mona June**  
NASA/MSFC  
Space Science Lab  
Code ES 52  
Huntsville AL 35812  
USA  
☎ 1 205 453 5687  
📠 1 205 547 7754

**Hahn Gerhard J**  
DLR  
Inst f Planetenerkundg  
Rudower Chaussee 5  
D 12489 Berlin  
Germany  
☎ 49 306 705 5417  
📠 49 306 705 5386  
✉ gerhard.hahn@dlr.de

**Haikala Lauri K**  
ESO  
Santiago Office  
Casilla 19001  
Santiago 19  
Chile  
☎ 56 2 228 5006  
📠 56 1 228 5132  
✉ lhaikala@eso.org

**Hainaut Olivier R**  
ESO  
Santiago Office  
Casilla 19001  
Santiago 19  
Chile  
☎ 56 2 228 5006  
📠 56 2 228 5132  
✉ ohainaut@sc.eso.org

**Haisch Bernhard Michael**  
Lockheed Palo Alto Res Lb  
Dpt 91 30 Bg 252  
3251 Hanover St  
Palo Alto CA 94304 1191  
USA  
☎ 1 415 858 4073  
📠 1 415 424 3994  
✉ haisch@sag.dnet.nasa.gov

**Hajduk Anton**  
Astronomical Institute  
Slovak Acad Sci  
Dubravka 9  
SK 842 28 Bratislava  
Slovak Republic  
☎ 421 7 37 5157  
📠 421 7 37 5157  
✉ astropt@savba.savba.sk

**Hajdukova Maria**  
Dpt Astron/Astrophys  
Comenius Univ  
Mlynska Dolina  
SK 842 15 Bratislava  
Slovak Republic  
☎ 421 7 72 400  
📠 421 7 32 5882

**Hakkila Jon Eric**  
Dpt Phys/Astronomy  
Mankato State Univ  
Box 41  
Mankato MN 56002 8400  
USA  
☎ 1 507 389 1840  
☎ 1 161 200 3669  
✉ jhakk@msus1.msus.edu

**Halbwachs Jean Louis**  
Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0738  
☎ 33 3 88 15 0760  
✉ halbwachs@astro.  
u-strasbg.fr

**Hale Alan**  
Southwest Inst for  
Space Research  
15 E Spur Rd  
Cloudcroft NM 88317  
USA  
☎ 1 505 687 2075  
☎ 1 505 687 2075  
✉ ahale@nmsu.edu

**Hall Andrew Norman**  
Astrophysics Dpt  
Univ of Oxford  
Keble Rd  
Oxford OX1 3RQ  
UK  
☎ 44 186 527 3999  
☎ 44 186 527 3947

**Hall Donald N**  
Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 8312  
☎ 1 808 988 2790

**Hall Douglas S**  
Dyer Observ  
Vanderbilt Univ  
Box 1803  
Nashville TN 37235  
USA  
☎ 1 615 373 4897  
☎ 1 615 343 7263  
✉ hallxds@ctrvax.  
vanderbilt.edu

**Hall Peter J**  
CSIRO  
ATNF  
Locked Bag 194  
Narrabri NSW 2390  
Australia  
☎ 61 67 959 205  
☎ 61 67 959 255  
✉ phall@atnf.csiro.au

**Hall R Glenn**  
3612 Spring St  
Chevy Chase MD 20815  
USA  
☎ 1 301 652 7221

**Hallam Kenneth L**  
NASA GSFC  
Code 680  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8811  
☎ 1 301 286 8709

**Halliday Ian**  
825 Killeen Av  
Ottawa ON K2A 2X8  
Canada  
☎ 1 613 728 1497

**Hamabe Masaru**  
Inst of Astronomy  
Univ of Tokyo  
Osawa 2 Chome  
Mitaka 181 0015  
Japan  
☎ 81 422 34 3802  
☎ 81 422 34 3749  
✉ hamabe@mtk.iaa.s.u-  
tokyo.ac.jp

**Hamajima Kiyotoshi**  
171 Kami No Kura 1 chome  
Midori Ku  
Nagoya 458  
Japan

**Hamann Wolf-Rainer**  
Inst Theor Physics  
Univ Potsdam  
Postfach 60 15 53  
D 24415 Potsdam  
Germany  
☎ 49 331 977 1054  
☎ 49 331 977 1107  
✉ wrh@carina.astro.  
physik.uni-potsdam.de

**Hambrayan Valeri V**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640  
✉ byurakan@adonis.ias.  
msk.su

**Hamdy M A M**  
NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
☎ 20 62 21 405 297

**Hamid S El Din**  
Astronomy Dpt  
Fac of Sciences  
Cairo Univ  
Geza  
Egypt  
☎ 20 2 572 7022  
☎ 20 2 572 7556

**Hamilton Andrew J S**  
JILA  
Univ of Colorado  
Campus Box 440  
Boulder CO 80309  
USA  
☎ 1 303 492 7833  
☎ 1 303 492 5235  
✉ ajsh@wild.colorado.edu

**Hamilton P A**  
Geelong Campus  
Pro Vice Chancellor  
Deakin Univ  
Geelong VIC 3217  
Australia  
☎ 61 3 5227 1147  
☎ 61 2 5227 2175  
✉ pip.hamilton@deakin.  
edu.au

**Hammel Heidi B**  
Dpt Earth Science  
MIT Rm 54 416  
Box 165  
Cambridge MA 02139  
USA  
☎ 1 617 253 7568  
☎ 1 617 253 2886  
✉ hbh@astron.mit.edu

**Hammer Francois**  
Observ Paris Meudon  
DAEC  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7408  
☎ 33 1 45 07 2806  
✉ hammer@obsprm.fr

**Hammer Reiner**  
Kiepenheuer Inst  
Sonnenphysik  
Schoeneckstr 6  
D 79104 Freiburg Breisgau  
Germany  
☎ 49 761 319 8216  
☎ 49 761 3198 111  
✉ hammer@kis.uni-  
freiburg.de

**Hammerschlag Robert H**  
Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5218  
☎ 31 30 253 1601  
✉ R.H.Hammerschlag@  
astro.uu.nl

**Hammerschlag-Hensberge G**  
Astronomical Institute  
Univ of Amsterdam  
Kruislaan 403  
NL 1098 SJ Amsterdam  
Netherlands  
☎ 31 20 525 7491/7492  
☎ 31 20 525 7484  
✉ r.h.hammerschlag@  
fys.ruu.nl

**Hammond Gordon L**  
Mathematics Dpt  
Univ of S Florida  
Astronomy Program  
Tampa FL 33620  
USA  
☎ 1 813 783 1226

**Hamuy Mario**  
NOAO  
CTIO  
Casilla 603  
La Serena  
Chile  
☎ 56 51 225 415  
☎ 56 51 20 5342  
✉ mhamuy@noao.edu

**Hamzaoglu Esat E H**  
KACST  
Box 2455  
Riyadh 11453  
Saudi Arabia  
☎ 966 1 467 6324  
☎ 966 1 467 4253

**Han Fu**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 33738  
☎ 86 25 301 459

**Han Jinlin**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6 262 5498  
☎ 86 1 256 10855  
✉ hjl@bao01.bao.ac.cn

**Han Tianqi**  
Inst Geodesy/  
Geophysics  
Xu Dong Lu  
Wuchang 430077  
China PR  
☎ 86 81 3712\*570  
✉ bwu@asch.whigg.ac.cn

**Han Wenjun**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
☎ 86 1 256 10855

**Han Yanben**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6254 5179  
☎ 86 1 256 10855  
✉ hyb@bao01.bao.ac.cn

**Han Zhanwen**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
☎ 86 871 717 1845

**Han Zhengzhong**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 330 3921  
☎ 86 25 330 1459

**Hanami Hitoshi**

College Human Social Sc  
Iwate Univ  
Ueda 3  
Morioka 020  
Japan  
☎ 81 196 23 5171\*2284  
① 81 196 54 2289  
✉ d12697@jpnkudpc

**Hanaoka Yoichiro**

Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 63 4381  
① 81 267 98 2506

**Hanasz Jan**

Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland  
☎ 48 56 26 018  
① 48 56 24 602

**Hanawa Tomoyuki**

Astrophysics Dpt  
Nagoya Univ  
Furocho Chikusa Ku  
Nagoya 464 01  
Japan  
☎ 81 527 81 6769  
① 81 527 89 2845

**Hanbury Brown Robert**

White Cottage  
Penton Mewsey  
Hants SP11 ORQ  
UK  
☎ 44 126 477 2334

**Handa Toshihiro**

Inst Astro/Fac Science  
Univ of Tokyo  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3735  
① 81 422 34 3749  
✉ handa@ghz.mtk.iao.  
s.u-tokyo.ac.jp

**Hanes David A**

Physics Dpt  
Queen's Univ  
Kingston ON K7L 3N6  
Canada  
☎ 1 613 547 5750  
① 1 613 545 6463

**Hang Hengrong**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 330 3921  
① 86 25 330 1459

**Haniff Christopher**

MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 363  
① 44 12 23 354 599  
✉ cah@mrao.cam.ac.uk

**Hanisch Robert J**

STSci  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4910  
① 1 301 338 4767  
✉ hanisch@stsci.edu

**Hankins Timothy Hamilton**

Dpt Phys/Astronomy  
New Mexico Tech  
Campus Station  
Socorro NM 87801  
USA  
☎ 1 505 476 8011  
① 1 505 835 7027  
✉ thankins@nrao.edu

**Hanner Martha S**

CALTECH/JPL  
MS 183 601  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 4321  
① 1 818 393 4605  
✉ msh@scn2.jpl.nasa.gov

**Hansen Carl J**

JILA  
Univ of Colorado  
Campus Box 440  
Boulder CO 80309 0440  
USA  
☎ 1 303 492 7811  
① 1 303 492 5235

**Hansen Leif**

Astronomical Observ, NBIfAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5983  
① 45 35 32 5989  
✉ leif@astro.ku.dk

**Hansen Richard T**

Eng 138  
VAMC  
150 S Huntington Av  
Boston MA 02130  
USA  
☎ 1 617 734 2534

**Hansmeier Arnold**

Inst Astronomie  
Karl-Franzens-Univ  
Universitaetsplatz 5  
A 8010 Graz  
Austria  
☎ 43 316 380 5275  
① 43 316 384 091

**Hanson Robert B**

Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 459 2755  
① 1 831 426 3115  
✉ hanson@ucolock.org

**Hansson Nils**

Lund Observ  
Box 43  
S 221 00 Lund  
Sweden  
☎ 46 46 222 7000  
① 46 46 222 4614

**Hansteen Viggo**

Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway  
☎ 47 22 856 501  
① 47 22 85 6505

**Hantzios Panayiotis**

Astronomical Institute  
Nil Observ Athens  
Box 20048  
GR 118 10 Athens  
Greece  
☎ 30 1 346 1191  
① 30 1 346 4566

**Hanuschik Reinhard**

Astronomisches Institut  
Ruhr-Univ Bochum  
Postfach 102148  
D 44780 Bochum  
Germany  
☎ 49 234 700 3450  
① 49 234 709 4169  
✉ rwh@astro.ruhr-uni-bochum.de

**Hao Yunxiang**

Astronomy Dpt  
Beijing Normal Univ  
Beijing 100875  
China PR  
☎ 86 1 65 6531\*6285  
① 86 1 201 3929

**Hapke Bruce W**

Dpt Geol/Planetary Sci  
Univ of Pittsburgh  
321 Old Eng Hall  
Pittsburgh PA 15235  
USA  
☎ 1 412 624 4719  
① 1 412 624 3914

**Hara Tadayoshi**

National Astronomical Obs  
2 10 Hoshigaoka  
Mizusawa Shi  
Iwate 023  
Japan  
☎ 81 197 24 7111  
① 81 197 22 7120

**Hara Tetsuya**

Physics Dpt  
Kyoto Sangyo Univ  
Kamigamo  
Kyoto 603  
Japan  
☎ 81 757 01 2151  
① 81 75 705 1640  
✉ hara@jpnksuvx

**Hardebeck Ellen G**

3106 Tumbleweed Rd  
Bishop CA 93514  
USA

**Hardee Philip**

Dpt Phys/Astronomy  
Univ of Alabama  
Box 1921  
University AL 35487 0324  
USA  
☎ 1 205 348 5050  
① 1 205 348 5050

**Hardy Eduardo**

Dpt d Physique  
Universite Laval  
Fac Sciences/Genie  
Laval QC G1K 7P4  
Canada  
☎ 1 418 656 2960  
① 1 418 656 2040  
✉ hardy@phy.ulaval.ca

**Harju Jorma Sakari**

Helsinki Univ  
Observ  
Box 14  
FIN 00014 Helsinki  
Finland  
☎ 358 19 12 2940  
① 358 19 12 2952

**Harlaftis Emilios**

Royal Greenwich Obs  
Apt 321  
Santa Cruz de La Palma  
E 38780 Santa Cruz  
Spain  
☎ 34 2 240 5500  
① 34 2 240 5646/405 501  
✉ eh@lpve.ing.iac.es

**Harmanec Petr**

Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7143  
① 420 2 88 1611  
✉ hec@sunstel.asu.cas.cz

**Harmer Charles F W**

NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 318 8342  
① 1 520 318 8360  
✉ charmer@noao.edu



**Harmer Dianne L**  
NOAO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 325 9218  
☎ 1 520 325 9360  
✉ diharmer@noao.edu

**Harms Richard James**  
RJH Scientific Inc  
One Beltway Ctr St 401  
5904 Richmond Highway  
Alexandria VA 22303  
USA  
☎ 1 703 329 4151  
✉ harms@rjhsci.com

**Harnden Frank R**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7143  
☎ 1 617 495 7356

**Harnett Julieine**  
School of Physics  
UNSW  
Sydney NSW 2006  
Australia  
☎ 61 2 692 2727  
☎ 61 2 660 2903  
✉ jhatnett@robin.rp.csiro.au

**Harpaz Amos**  
Dpt Physics/Space Res  
IIT  
Technion City  
Haifa 32000  
Israel  
☎ 972 4 293 521  
✉ phr89ah@technion

**Harper David**  
36 Hollytrees  
Bar Hill  
Cambridge CB3 8SF  
UK  
☎ 44 19 54 78 2352  
✉ david@obliquity.u-net.com

**Harrington J Patrick**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 454 5944  
☎ 1 301 314 9067

**Harris Alan William**  
CALTECH/JPL  
MS 183 501  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 6741  
☎ 1 818 354 0966  
✉ awharris@lithos.jpl.nasa.gov

**Harris Alan William**  
DLR  
Inst f Planetenerkundg  
Rudower Chaussee 5  
D 12489 Berlin  
Germany  
☎ 49 306 705 5324  
☎ 49 306 705 5386  
✉ harris@terra.pe.ba.dlr.de

**Harris Daniel E**  
CfA  
HCO/SAO MS 3  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7148  
☎ 1 617 495 7356  
✉ harris@cfa.harvard.edu

**Harris Gretchen L H**  
Physics Dpt  
Univ Waterloo  
Waterloo ON N2L 3G1  
Canada  
☎ 1 519 885 1211  
☎ 1 519 746 8115  
✉ gharris@astro.waterloo.edu

**Harris Hugh C**  
USNO  
Flagstaff Station  
Box 1149  
Flagstaff AZ 86002 1149  
USA  
☎ 1 602 779 5132  
☎ 1 520 774 3626

**Harris Stella**  
Astrophysics Group  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5555  
☎ 44 181 975 5500

**Harris William E**  
Physics Dpt  
McMaster Univ  
Hamilton ON L8S 4M1  
Canada  
☎ 1 416 525 9140  
☎ 1 416 546 1252  
✉ harris@physun.physics.mcmaster.ca

**Harrison Edward R**  
Dpt Phys/Astronomy  
Univ Massachusetts  
GRC  
Amherst MA 01003  
USA  
☎ 1 413 545 2194

**Harrison Richard A**  
Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 446 884  
☎ 44 12 35 44 6509  
✉ rah@uk.ac.rl.astro

**Harrower George A**  
204 1033 Belmont Av  
Victoria BC V8S 3T4  
Canada

**Hart Michael H**  
7301 Masonville Dr  
Annandale VA 22003  
USA

**Harten Ronald H**  
RCA Astro Electronic  
TB 1  
Box 800  
Princeton NJ 08540  
USA  
☎ 1 609 426 3551

**Hartkopf William I**  
CHARA  
Georgia State Univ  
Adanta GA 30303 3083  
USA  
☎ 1 404 651 2932  
☎ 1 404 651 1389  
✉ hartkopf@chara.gsu.edu

**Hartl Hebert**  
Inst Astronomie  
Technikerstr 15  
A 6020 Innsbruck  
Austria  
☎ 43 512 507 6039  
☎ 43 512 507 2923  
✉ Herbert.Hart@uibk.ac.at

**Hartmann Dieter H**  
202 Tarnassee Dr  
Clemson SC 29633  
USA  
☎ 1 803 656 5298  
☎ 1 803 656 0805  
✉ hartmann@biophy.phys.clemson.edu

**Hartmann Lee William**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7487  
☎ 1 617 495 7356

**Hartmann William K**  
Planetary Science Inst  
620 N Sixth Av  
Tucson AZ 85705 8331  
USA  
☎ 1 520 662 6300  
☎ 1 520 622 8060  
✉ pskey@psi.edu

**Hartoog Mark Richard**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 459 2513  
☎ 1 831 426 3115

**Hartquist Thomas Wilbur**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 838  
☎ 49 893 299 3235

**Hartwick F David A**  
Physics Dpt  
Univ of Victoria  
Box 1700  
Victoria BC V8W 2Y2  
Canada  
☎ 1 250 721 7742  
☎ 1 250 721 7715

**Harutyunian Haik A**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640

**Harvel Christopher Alvin**  
6161 Steven's Forest Rd  
Columbia MD 21045  
USA  
☎ 1 301 964 0211

**Harvey Christopher C**  
Observ Paris Meudon  
DESPA  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7669  
☎ 33 1 45 07 7971

**Harvey Gale A**  
NASA Langley Res Ctr  
Atmosph Sci Div  
MS 401a  
Hampton VA 23665 5225  
USA  
☎ 1 804 965 2000

**Harvey John W**  
NOAO/NSO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
☎ 1 520 325 9278  
✉ jharvey@noao.edu

**Harvey Paul Michael**  
Astronomy Dpt  
Univ of Texas  
Rim 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 4461  
☎ 1 512 471 6016  
✉ pmh@astro.as.utexas.edu

**Harwit Martin**  
511 H. St SW  
Washington DC 20024 2725  
USA  
☎ 1 202 479 6877  
☎ 1 202 484 2654  
✉ martin.harwit@ibm.net

**Hasan Hashima**

STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA

☎ 1 301 338 4519  
☎ 1 301 338 4767  
✉ hasan@stsci

**Hasan Saiyid Strajul**

IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India

☎ 91 80 356 6585  
☎ 91 80 553 4043

**Haschick Aubrey**

Haystack Observ  
Westford MA 01886  
USA

☎ 1 617 692 4764  
☎ 1 617 981 0590

**Hasegawa Ichiro**

4-18-5 Fujiwaradai Kita  
Kiya Ku  
Kobe 651 13  
Japan

☎ 81 789 82 5255

**Hasegawa Tatsuhiko**

33 Odakamachi  
Yonago-shi  
Tottori ken 683  
Japan

☎ 81 859 22 3331  
✉ hasegawa@ap.stmarys.ca

**Hasegawa Tetsuo**

Dpt Phys/Astronomy  
Univ of Calgary  
Calgary AB T2N 1N4  
Canada

☎ 1 403 220 5385  
✉ hasegawa@iras.  
ucalgary.ca

**Haser Leo N K**

MPE  
Postfach 1603  
D 85740 Garching  
Germany

☎ 49 893 299 803  
☎ 49 893 299 3569

**Hashimoto Masa-aki**

Physics Dpt  
College of Gnl Edu  
Kyushu Univ Ropponmatsu  
Fukuoka 810  
Japan

☎ 81 927 71 4161\*360  
☎ 81 092 731 8745  
✉ e76051ajpnccku

**Hashimoto Osama**

Gunma Astron Obs  
1 18 7 Ohndomo  
Maebashi  
Gunma 371 0847  
Japan

☎ 81 27 254 2882  
☎ 81 27 254 2883  
✉ osamu@astron.pref.  
gunma.jp

**Hasinger Guenter**

Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany

☎ 49 331 749 900  
☎ 49 331 749 9200

**Haslam C Glyn T**

RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany

☎ 49 228 525 0  
☎ 49 228 525 229

**Hassall Barbara J M**

Ctr for Astrophysics  
Univ of Central  
Lancashire  
Preston PR1 2HE  
UK

☎ 44 177 289 3569  
☎ 44 177 289 2903  
✉ b.j.m.hassall@uclan.  
ac.uk

**Hassan S M**

NAIGR  
Helwan Observ  
Cairo 11421  
Egypt

☎ 20 78 0645/2683  
☎ 20 62 21 405 297

**Haswell Carole A**

Astronomy Centre  
Univ of Sussex  
Falmer  
Brighton BN1 9QJ  
UK

☎ 44 12 73 678 455  
☎ 44 12 73 678 097  
✉ chaswell@star.maps.  
susx.ac.uk

**Hathaway David H**

NASA/MSFC  
Space Science Lab  
Code ES 52  
Huntsville AL 35812  
USA

☎ 1 205 544 7610  
☎ 1 205 547 7754

**Hatsukade Isamu**

Fac of Eng  
Miyazaki Univ  
Gakuen Kibanadai Nishi  
Miyazaki 889 21  
Japan

☎ 81 985 58 2867  
☎ 81 985 55 3058  
✉ hatukade@astro.  
miyazaki-u.ac.jp

**Hatzes Artie P**

Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA

☎ 1 512 471 1473  
☎ 1 512 471 6016  
✉ artie@astro.as.utexas.edu

**Hatzidimitriou Despina**

AAO  
Epping Laboratory  
Box 296  
Epping NSW 2121  
Australia

☎ 61 2 868 1666  
☎ 61 2 9876 8536/542  
✉ dh@aaoepp.oz.au

**Haubold Hans Joachim**

Office for Outer Space  
UN Office in Vienna  
Bg F 0839 Box 500  
A 1400 Wien  
Austria

☎ 43 1 21131 4949  
☎ 43 1 213 45 5830  
✉ hjh2@aip.org

**Hauck Bernard**

Institut Astronomie  
Univ Lausanne  
CH 1290 Chavannes d Bois  
Switzerland

☎ 41 22 755 2611  
☎ 41 22 779 1580  
✉ Bernard.Hauck@obs.  
unige.ch

**Haud Urmas**

Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia

☎ 372 7 410 305  
☎ 372 7 410 205  
✉ urmas@aai.ee

**Hauge Oivind**

Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway

☎ 47 22 856 502  
☎ 47 22 85 6505

**Haupt Hermann F**

Inst Astronomie  
Karl-Franzens-Univ  
Universitaetsplatz 5  
A 8010 Graz  
Austria

☎ 43 316 380 5271  
☎ 43 316 384 091

**Haupt Wolfgang**

Girondelle 105  
D 46300 Bochum 1  
Germany

**Hauschildt Peter H**

Dpt Phys/Astronomy  
Univ of Georgia  
Athens GA 30602 2451  
USA

☎ 1 706 542 2485  
☎ 1 706 542 2492  
✉ yeti@hal.physast.  
uga.edu

**Hauser Michael G**

NASA GSFC  
Code 680  
Greenbelt MD 20771  
USA

☎ 1 301 286 8701  
☎ 1 301 286 1753  
✉ hauser@stars.gsfc.  
nasa.gov

**Havlen Robert J**

ASP  
390 Ashton Av  
San Francisco CA 94112  
USA

☎ 1 415 337 1100  
☎ 1 415 337 5205  
✉ rhavlen@stars.sfsu.edu

**Havnes Ove**

Auroral Observ  
Univ of Tromso  
Box 953  
N 9001 Tromso  
Norway

☎ 47 83 86 060

**Harwarden Timothy G**

Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK

☎ 44 131 667 3321  
☎ 44 131 668 8356

**Hawkes Robert Lewis**

Physics Dpt  
Mount Allison Univ  
Sackville Nb E0A 3C0  
Canada

☎ 1 506 364 2582  
☎ 1 506 364 2580  
✉ rhawkes@mta.ca

**Hawking Stephen W**

Dpt Appl Maths/Theor Phys  
Silver Street  
Cambridge CB3 9EW  
UK

☎ 44 12 23 337 00  
☎ 44 12 23 337 918

**Hawkins Gerald S**

Consul 906  
2400 Virginia Av NW  
Washington DC 20037  
USA

☎ 1 202 485 2050

**Hawkins Isabel**

Ctr for EUV Astrophys  
Univ of California  
2150 Kittredge St  
Berkeley CA 94720 5030  
USA

☎ 1 510 643 5662  
☎ 1 510 643 5660  
✉ isabelh@cea.berkeley.edu

**Hawkins Michael R S**

Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK

☎ 44 131 667 3321  
☎ 44 131 668 8356

**Hayley Suzanne Louise**  
Physics/Astronomy Dpt  
Michigan State Univ  
East Lansing MI 48824  
USA  
☎ 1 517 353 8667  
① 1 517 535 4500  
✉ hayley@pa.msu.edu

**Hayashi Chushiro**  
Momoyama Yogoro-cho 1  
Fushimi Ku  
Kyoto 612  
Japan  
☎ 81 756 11 1062

**Hayashi Masahiko**  
Astronomy Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 381 22 111  
① 81 338 13 9439

**Hayashi Saeko S**  
Subaru Telescope  
NAOJ  
650 N A'Ohoku Place  
Hilo HI 96720  
USA  
☎ 1 808 934 5947  
① 1 808 934 5984  
✉ saeko@subaru.naoj.org

**Hayes Donald S**  
Box 1907  
Scottsdale AZ 85252  
USA

**Hayli Avram**  
Observ Lyon  
Av Ch Andre  
F 69561 S Genis Laval Cdx  
France  
☎ 33 4 78 56 0705  
① 33 4 72 39 9791

**Haynes Robert C**  
Dpt Space Phys/Astron  
Rice Univ  
Box 1892  
Houston TX 77251 1892  
USA  
☎ 1 713 227 4962  
① 1 713 285 5954  
✉ rhaynes@alfven.rice.edu

**Haynes Martha P**  
Astronomy Dpt  
Cornell Univ  
512 Space Sc Bldg  
Ithaca NY 14853 6801  
USA  
☎ 1 607 256 3734  
① 1 607 255 1767

**Haynes Raymond F**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0 276  
① 61 2 868 0457  
✉ rhaynes@rpepping.oz.au

**Haynes Roslynn**  
School of Physics  
UNSW  
Sydney NSW 2052  
Australia  
☎ 61 2 9487 2138  
① 61 2 9489 6058  
✉ R.Haynes@unsw.edu.au

**Hayward John**  
Dpt Maths/Computing  
Polytechnic of Wales  
Pontypridd  
Mid Glamorgan CF38 2PJ  
UK

**Haywood J**  
TCD  
Physics Dpt  
College Green  
Dublin 2  
Ireland  
☎ 353 1 608 1675  
① 353 1 671 1759

**Hazard Cyril**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
① 44 12 23 337 523

**Hazen Martha L**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 3362  
① 1 617 495 7356

**Hazer S**  
Dpt Astron/Space Sci  
Ege Univ  
Box 21  
35100 Bornova Izmir  
Turkey  
☎ 90 232 388 0110\*2322

**Hazlehurst John**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4137  
① 49 407 252 4198

**He Miaofu**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**He Xiangtao**  
Astronomy Dpt  
Beijing Normal Univ  
Beijing 100875  
China PR  
☎ 86 1 65 6531\*6285  
① 86 1 201 3929

**Heap Sara R**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8701  
✉ hrsheap@stars.gsfc.nasa.gov

**Hearn Anthony G**  
Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5202  
① 31 30 253 1601  
✉ ahearn@astro.uu.nl

**Hearnshaw John B**  
Dpt Phys/Astronomy  
Univ of Canterbury  
Private Bag 4800  
Christchurch 1  
New Zealand  
☎ 64 3 364 253371  
① 64 3 364 2469  
✉ j.hearnshaw@phys.canterbury.ac.nz

**Heasley James Norton**  
Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 6826  
① 1 808 988 2790

**Heavens Alan**  
Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 668 8352  
① 44 131 668 8356  
✉ afh@roe.ac.uk

**Heber Ulrich**  
Dr Reimis Sternwarte  
Univ Erlangen-Nuernberg  
Sternwartstr 7  
D 96049 Bamberg  
Germany  
☎ 49 951 952 2214  
① 49 951 952 2222

**Hecht James H**  
Aerospace Corp  
MS M2 255  
Box 92957  
Los Angeles CA 90009 2957  
USA  
☎ 1 310 336 7017  
① 1 310 336 1636

**Heck Andre**  
Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0743  
① 33 3 88 49 1255  
✉ heck@astro.u-strasbg.fr

**Heckathorn Harry M**  
NRL  
Code 7604  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 4198  
① 1 202 404 8445  
✉ harry@vader.nrl.navy.mil

**Heckman Timothy M**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 454 3001  
① 1 301 314 9067

**Hequet Josette**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
① 33 5 61 27 3179

**Heddl Douglas W O**  
Physics Dpt  
Royal Holloway College  
Univ of London  
Egham Surrey TW20 0EX  
UK  
☎ 44 17 843 5351

**Hedeman E Ruth**  
3440 St Jefferson St  
Falls Church VA 22041  
USA

**Heeschen David S**  
NRAO  
520 Edgemont Rd  
Charlottesville VA 22903  
USA

**Hefele Herbert**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 50  
① 49 622 140 5297  
✉ hefele@urz.uni-heidelberg.de

**Hefty Jan**  
Observ of the Slovak  
Technical Univ  
Radlinskeho 11  
SK 813 68 Bratislava  
Slovak Republic  
☎ 421 7 398 047  
① 421 7 325 476  
✉ hefty@cvt.stuba.cs

**Heggie Douglas C**  
Dpt Maths/Statistics  
Univ of Edinburgh  
King-s Buildings  
Edinburgh EH9 3JZ  
UK  
☎ 44 131 650 5035  
① 44 131 650 6553  
✉ d.c.heggie@ed.ac.uk

**Hegyí Dennis J**  
Randall Laboratory  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 764 5448  
☎ 1 313 764 2211

**Heidmann Jean**  
Observ Paris Meudon  
ARPEGES  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7598  
☎ 33 1 45 07 7971

**Heidt Jochen**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9204  
☎ 49 622 150 9202  
✉ jheidt@lsw.uni-  
heidelberg.de

**Helles Carl**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 415 642 4510  
☎ 1 510 642 3411

**Hein Righini Giovanna**  
531 Main St  
Roosevelt Island NY 10044  
USA

**Heinrich Inge**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 50  
☎ 49 622 140 5297  
✉ s31@mvs.urz.uni-  
heidelberg.de

**Heintz Wulf D**  
Astronomy Dpt  
Swarthmore Coll  
Swarthmore PA 19081  
USA  
☎ 1 215 447 7265  
☎ 1 610 328 8660  
✉ wheintz1@  
swarthmore.edu

**Heintze J R W**  
Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5235  
☎ 31 30 253 1601  
✉ heintze@astro.uu.nl

**Heinzel Petr**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7233  
☎ 420 2 88 1611  
✉ pheinzel@asu.cas.cz

**Heise John**  
SRON  
Postbus 800  
Sorbonnelaan 2  
NL 3584 CA Utrecht  
Netherlands  
☎ 31 30 253 5727  
☎ 31 30 254 0860  
✉ j.heise@srn.ruu.nl

**Heiser Arnold M**  
Dyer Observ  
Vanderbilt Univ  
Box 1803  
Nashville TN 37235  
USA  
☎ 1 615 373 4897  
☎ 1 615 343 7263

**Hejna Ladislav**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 201  
☎ 420 2 88 1611  
✉ hejna@cspguk11

**Hekela Jan**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7147  
☎ 420 2 88 1611

**Helali Yhya E**  
NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
☎ 20 62 21 405 297

**Held Enrico V**  
Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 301  
☎ 39 51 259 407  
✉ held@astbo3.bo.  
astro.it

**Helfand David John**  
Astronomy Dpt  
Columbia Univ  
538 W 120th St  
New York NY 10027  
USA  
☎ 1 212 854 2150  
☎ 1 212 854 8121  
✉ djh@astro.columbia.edu

**Helper H Lawrence**  
Dpt Phys/Astronomy  
Univ of Rochester  
Rochester NY 14627 0171  
USA  
☎ 1 716 275 4377  
☎ 1 716 275 4351

**Helin Eleanor Francis**  
CALTECH/JPL  
MS 183 501  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 4606  
☎ 1 818 393 6030  
✉ efh051@iph.jpl.  
nasa.gov

**Hellaby Charles William**  
Applied Maths Dpt  
Univ of Cape Town  
Private Bag  
7700 Rondebosch  
South Africa  
☎ 27 21 650 2347  
☎ 27 21 650 2334  
✉ cwh@math.uct.  
ac.za

**Heller Clayton**  
Univ Sternwarte  
Goettingen  
Geismarlandstr 11  
D 37083 Goettingen  
Germany  
☎ 49 551 395 055  
☎ 49 551 395 043  
✉ cheller@uni-sw.  
gwdg.de

**Heller Michael**  
Powstancow Warszawy 13/94  
PL 33 110 Tarnow  
Poland

**Hellier Coel**  
Physics Dpt  
Keele Univ  
Staffordshire ST5 5BG  
UK  
☎ 44 178 25 84243  
☎ 44 178 271 1093  
✉ ch@astro.keele.ac.uk

**Hellwig Helmut Wilhelm**  
Dpt Air Force  
SAF/AQR Suite 100  
1919 S Eads St  
Arlington VA 22202 3053  
USA  
☎ 1 703 602 9301  
☎ 1 703 602 4845

**Helmer Leif**  
Astronomical Observ, NBIfAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5931  
☎ 45 35 32 5989  
✉ came@astro.ku.dk

**Helmken Henry F**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 4984  
☎ 1 617 495 7356

**Helou George**  
CALTECH  
MS 100 22  
IPAC  
Pasadena CA 91125  
USA  
☎ 1 818 397 9555  
☎ 1 818 397 9600  
✉ helou@ipac.caltech.edu

**Helt Bodil E**  
Astronomical Observ, NBIfAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5964  
☎ 45 35 32 5989  
✉ bodil@astro.ku.dk

**Hemenway Mary Kay M**  
Astronomy Dpt  
Univ of Texas  
Rm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 1309  
☎ 1 512 471 6016  
✉ marykay@astro.as.  
utexas.edu

**Hemenway Paul D**  
Astronomy Dpt  
Univ of Texas  
Rm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 4461  
☎ 1 512 471 6016  
✉ paul@skye.as.utexas.edu

**Hemmleb Gerhard**  
Zeppelinstr 157  
D 14473 Potsdam  
Germany  
☎ 49 331 974 148  
✉ matti@fpk.ti-berlin.de

**Henden Arne Anthon**  
USNO  
Flagstaff Station  
Box 1149  
Flagstaff AZ 86002 1149  
USA

☎ 1 602 779 5132  
☎ 1 602 774 3626  
✉ aah@nofs.navy.mil

**Henkel Christian**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 0  
☎ 49 228 525 229

**Henney William John**  
 Instituto Astronomia  
 J J Tablada 1006  
 C L de Santa Maria  
 Morelia Michoacan 58090  
 Mexico  
 ☎ 52 4 323 6162  
 ☎ 52 4 323 6165  
 ✉ will@astro.mio.unam.mx

**Henning Thomas**  
 Astrophysik Inst  
 Univ Sternwarte  
 Schillergaesschen 2  
 D 07745 Jena  
 Germany  
 ☎ 49 364 163 0323  
 ☎ 49 364 163 0417  
 ✉ henning@astro.uni-jena.de

**Henon Michel C**  
 OCA  
 Observ Nice  
 BP 139  
 F 06304 Nice Cdx 4  
 France  
 ☎ 33 4 93 89 0420  
 ☎ 33 4 92 00 3033

**Henoux Jean-Claude**  
 Observ Paris Meudon  
 DASOP  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7803  
 ☎ 33 1 45 07 7971

**Henrard Jacques**  
 Dpt Mathematique  
 FUNDP  
 Rempart de la Vierge 8  
 B 5000 Namur  
 Belgium  
 ☎ 32 81 72 4903  
 ☎ 32 81 72 4914  
 ✉ jhenrard@math.fundp.ac.be

**Henrichs Hubertus F**  
 Astronomical Institute  
 Univ of Amsterdam  
 Kruislaan 403  
 NL 1098 SJ Amsterdam  
 Netherlands  
 ☎ 31 20 525 7491  
 ☎ 31 20 525 7484

**Henriksen Mark Jeffrey**  
 Physics Dpt  
 Univ N Dakota  
 Grand Forks ND 58208 7129  
 USA  
 ☎ 1 701 777 4709  
 ☎ 1 701 777 3650  
 ✉ maherrnik@plains.nodak.edu

**Henriksen Richard N**  
 Physics Dpt  
 Queen's Univ  
 Kingston ON K7L 3N6  
 Canada  
 ☎ 1 613 545 2719  
 ☎ 1 613 545 6463  
 ✉ henriksen@astro.queensu.ca

**Henry Richard B C**  
 Dpt Phys/Astronomy  
 Univ of Oklahoma  
 Norman OK 73019  
 USA  
 ☎ 1 405 325 3961  
 ☎ 1 405 325 7557

**Henry Richard C**  
 Dpt Phys/Astronomy  
 JHU  
 Charles/34th St  
 Baltimore MD 21218  
 USA  
 ☎ 1 301 516 7350  
 ☎ 1 301 516 4109  
 ✉ rch@pha.jhu.edu

**Hensberge Herman**  
 Koninklijke Sterrenwacht  
 van Belgie  
 Ringlaan 3  
 B 1180 Brussels  
 Belgium  
 ☎ 32 2 373 0284  
 ☎ 32 2 374 9822  
 ✉ herman.hensberge@omnobe

**Hensler Gerhard**  
 Inst Theor Phys/  
 Sternwarte Univ Kiel  
 Olshausenstr 40  
 D 24098 Kiel  
 Germany  
 ☎ 49 431 880 4125  
 ☎ 49 431 880 4100  
 ✉ hensler@astrophysik.uni-kiel.de

**Heras Ana M**  
 ESA/ESTEC  
 SSD  
 Box 299  
 NL 2200 AG Noordwijk  
 Netherlands  
 ☎ 31 71 565 6555  
 ☎ 31 71 565 4690

**Herbig George H**  
 Inst for Astronomy  
 Univ of Hawaii  
 2680 Woodlawn Dr  
 Honolulu HI 96822  
 USA  
 ☎ 1 808 956 8312  
 ☎ 1 808 988 2790

**Herbst Eric**  
 Physics Dpt  
 Ohio State Univ  
 174 W 18th Av  
 Columbus OH 43210 1106  
 USA  
 ☎ 1 614 292 2653

**Herbst William**  
 Astronomy Dpt  
 Van Vleck Observ  
 Wesleyan Univ  
 Middletown CT 06457  
 USA  
 ☎ 1 203 347 9411  
 ☎ 1 860 865 2131

**Herbstmeier Uwe**  
 MPI Astronomie  
 Koenigsstuhl  
 D 69117 Heidelberg  
 Germany  
 ☎ 49 622 152 8355  
 ☎ 49 622 152 8246  
 ✉ herbst@astro

**Herczeg Tibor J**  
 Dpt Phys/Astronomy  
 Univ of Oklahoma  
 Norman OK 73019  
 USA  
 ☎ 1 405 325 3961  
 ☎ 1 405 325 7557

**Hering Roland**  
 ARI  
 Moenchhofstr 12-14  
 D 69120 Heidelberg  
 Germany  
 ☎ 49 622 140 5157  
 ☎ 49 622 140 5297  
 ✉ sl1@ix.urz.uni-heidelberg.de

**Herman Jacobus**  
 SOS  
 Gutenbergstr 9  
 Postfach 1449  
 D 82199 Gilching  
 Germany  
 ☎ 49 815 328 1167  
 ✉ jaap.herman@dlr.de

**Hermans Dirk**  
 School Maths/Statistics  
 Univ Birmingham  
 Box 363  
 Birmingham B15 2TT  
 UK  
 ☎ 44 12 14 14 3961  
 ☎ 44 12 14 14 3907  
 ✉ d.f.h.hermans@uk.ac.bham

**Hermens Willem**  
 SRON  
 Postbus 800  
 Sorbonnelaan 2  
 NL 3584 CA Utrecht  
 Netherlands  
 ☎ 31 30 253 5600  
 ☎ 31 30 254 0860

**Hernandez Carlos Alberto**  
 Observ Astronomico  
 Paseo d Bosque S/n  
 1900 La Plata (Bs As)  
 Argentina  
 ☎ 54 21 217 308  
 ☎ 54 21 211 761

**Hernandez-Pajares Manuel**  
 Dpt Fisica Aplicada  
 U P Cataluna  
 Campus Nord Ed C3  
 E 08034 Barcelona  
 Spain  
 ☎ 34 3 401 6029  
 ✉ matmhp@mat.upc.es

**Hernanz Margarita**  
 IEBC/CSIC  
 Edifici Nexus 104  
 C/Gran Capita 2-4  
 E 08034 Barcelona  
 Spain  
 ☎ 34 3 280 2088  
 ☎ 34 3 280 6395  
 ✉ hernanz@ieec.fcr.es

**Hernquist Lars Eric**  
 Lick Observ  
 Univ of California  
 Santa Cruz CA 95064  
 USA  
 ☎ 1 831 425 4733  
 ☎ 1 831 426 3115  
 ✉ lars@helios.ucsu.edu

**Herold Heinz**  
 Lehrstuhl Theoret Astro  
 Physik Univ Tuebingen  
 Auf d Morgenstelle 12 C  
 D 72076 Tuebingen  
 Germany  
 ☎ 49 707 129 2043

**Herrera Miguel Angel**  
 Instituto Astronomia  
 UNAM  
 Apt 70 264  
 Mexico DF 04510  
 Mexico  
 ☎ 52 5 622 3906  
 ☎ 52 5 616 0653  
 ✉ mike@astroscu.unam.mx

**Herrero Davo Artemio**  
 IAC  
 Observ d Teide  
 via Lactea s/n  
 E 38200 La Laguna  
 Spain  
 ☎ 34 2 232 9100  
 ☎ 34 2 232 9117

**Herrmann Dieter**  
 Archenthold Sternwarte  
 Alt Treptow 1  
 D 1193 Berlin  
 Germany  
 ☎ 49 305 348 080  
 ☎ 49 305 348 083

**Hers Jan**  
 Box 48  
 6573 Sedgefield  
 South Africa  
 ☎ 27 44 55 736

**Hershey John L**  
 STScI/CSG  
 Homewood Campus  
 3700 San Martin Dr  
 Baltimore MD 21218  
 USA  
 ☎ 1 301 338 4902  
 ☎ 1 301 338 1592  
 ✉ hershey@stsci.edu

**Hertz Paul L**  
 NRL  
 Code 4121 5  
 4555 Overlook Av SW  
 Washington DC 20375 5000  
 USA  
 ☎ 1 202 767 2438

**Herzberg Gerhard**  
NRCC/HIA  
100 Sussex Dr  
Ottawa ON K1A 0R6  
Canada  
☎ 1 613 990 0917  
① 1 613 952 6602

**Heske Astrid**  
ESA/ESTEC  
Astrophysics Division  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 6555  
① 31 17 19 84690  
✉ aheske@estec.esa.nl

**Hesser James E**  
NRCC/HIA  
DAO  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 363 0007  
① 1 250 363 6970  
✉ hesser@hia.nrc.ca

**Hessman Frederic Victor**  
Univ Sternwarte  
Goettingen  
Geismarlandstr 11  
D 37083 Goettingen  
Germany  
☎ 49 551 395 052  
① 49 551 395 043  
✉ hessman@uni-sw.gwdg.de

**Heudier Jean-Louis**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 92 00 3012  
① 33 4 93 13 0134  
✉ heudier@obs-nice.fr

**Hewett Paul**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
① 44 12 23 337 523  
✉ phewett@ast.cam.ac.uk

**Hewish Antony**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 294  
① 44 12 23 354 599

**Hewitt Adelaide**  
CASS  
UCSD  
C 011  
La Jolla CA 92093 0216  
USA  
☎ 1 619 534 6627  
① 1 619 534 2294  
✉ hewitt@ucsd.edu

**Hewitt Anthony V**  
4021 N Cerro de Falcon  
Tucson AZ 85718 6724  
USA  
✉ anthony.hewitt@ibm.net

**Hey James Stanley**  
4 Shortlands Close  
Eastbourne BN22 0JE  
UK

**Heydari-Malayeri Mohammad**  
Observ Paris  
DEMIRM  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2116  
① 33 1 40 51 2002

**Heynderickx Daniel**  
BIRA  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0417  
① 32 2 374 8423  
✉ d.heynderickx@oma.be

**Heyvaerts Jean**  
Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0744  
① 33 3 88 15 0760  
✉ heyvaerts@astro.u-strasbg.fr

**Hibbs Albert R**  
781 Prospect Bl  
Pasadena CA 91103  
USA

**Hickson Paul**  
Dpt Geophys/Astronomy  
UBC  
2219 Main Mall  
Vancouver BC V6T 1W5  
Canada  
☎ 1 604 228 2267  
① 1 604 228 6047

**Hidalgo Miguel A**  
Fac Ciencias Fisicas  
Univ Zaragoza  
E 50009 Zaragoza  
Spain  
☎ 34 7 676 1000  
① 34 7 676 1140

**Hidayat Bambang**  
Bosscha Observ  
ITB Lembang  
Lembang 40391  
Indonesia  
☎ 62 22 278 6001/6027  
① 62 22 278 7289  
✉ bhidaya@ibm.net

**Hide Raymond**  
Geophysical Fluid  
Dynamics Lab  
Meteorological Office  
Bracknell Berks RG12 2SZ  
UK  
☎ 44 13 44 42242

**Hiei Eijiro**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
① 81 422 34 3793

**Higashi Michiyuki**  
Kinki Univ  
Kowakae  
Chikawa  
Osaka 577  
Japan  
☎ 81 6 721 2332  
① 81 6 727 4301  
✉ chikawa@phys-kindai.ac.jp

**Higgs Lloyd A**  
DRAO  
NRCC/HIA  
Box 248  
Penticton BC V2A 6K3  
Canada  
☎ 1 250 493 2277  
① 1 250 493 7767  
✉ lah@drao.nrc.ca

**Hildebrand Roger H**  
Enrico Fermi Inst  
Univ of Chicago  
5640 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 702 8203  
① 1 312 702 8212

**Hildebrandt Joachim**  
Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 771 38  
① 49 331 751 05  
✉ jhildebrandt@aip.de

**Hilditch Ronald W**  
Dpt Phys/Astronomy  
Univ of St Andrews  
North Haugh  
St Andrews Fife KY16 9SS  
UK  
☎ 44 1334 76161  
① 44 1334 74487  
✉ rwh@st-and.ac.uk

**Hildner Ernest**  
NOAA ERL R/E/SE3  
Space Environment Lab  
325 Broadway  
Boulder CO 80303  
USA  
☎ 1 303 497 3311  
① 1 303 497 3645  
✉ ehildner@sel.noaa.gov

**Hilf Eberhard R H**  
Pestrupsweg 30  
D 2900 Oldenburg  
Germany

**Hill Frank**  
NOAO/NSO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 323 4138  
① 1 520 325 9278  
✉ fhill@noao.edu

**Hill Graham**  
18A Stratford St  
Parnell  
Auckland 1  
New Zealand  
☎ 64 9 307 9052  
① 64 9 307 7917  
✉ richjoan@iprolink.co.nz

**Hill Grant**  
McDonald Observ  
Univ of Texas  
Box 1337  
Fort Davis TX 79734  
USA  
☎ 1 915 426 4184  
① 1 915 426 3641  
✉ grant@astro.as.utexas.edu

**Hill Henry Allen**  
Dpt Phys/Astronomy  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 6784  
① 1 520 621 4933

**Hill Philip W**  
Dpt Phys/Astronomy  
Univ of St Andrews  
North Haugh  
St Andrews Fife KY16 9SS  
UK  
☎ 44 1334 76161  
① 44 1334 74487  
✉ pwhill@st-andrews.ac.uk

**Hillebrandt Wolfgang**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 9409  
① 49 893 299 3235

**Hilliard Ron**  
Optomechanics Res Inc  
PO Box 87  
Vail AZ 85641  
USA  
☎ 1 602 647 3332  
① 1 602 647 3312  
✉ ronomr@primenet.com

**Hills Jack G**  
LANL  
MS B228  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 9152  
① 1 505 665 4055

**Hills Richard E**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 294  
① 44 12 23 354 599

**Hilton James Lindsay**  
USNO  
3450 Massachusetts Av NW  
Washington DC 20392 5100  
USA  
☎ 1 202 653 1568  
① 1 202 653 1744  
✉ hil@ham.usno.navy.mil

**Hindsley Robert Bruce**  
4b Southway Rd  
Greenbelt MD 20770  
USA  
☎ 1 202 762 1523  
① 1 202 653 1497  
✉ rbh@fornax.usno.navy.mil

**Hinkle Kenneth H**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
① 1 520 325 9360

**Hinners Noel W**  
Lockheed Martin Astronautics  
MS S8000  
Box 179  
Denver CO 80201  
USA  
☎ 1 303 971 1581  
① 1 303 971 2390  
✉ noel.w.hinners@den.mmn.com

**Hintzen Paul Michael N**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5101

**Hiotelis Nicolaos**  
Astronomy Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414  
① 30 1 723 5122  
✉ nhiot@grathun1

**Hippelein Hans H**  
MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 80  
① 49 622 152 8246

**Hirabayashi Hisashi**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 98 2831  
① 81 267 98 2884

**Hiral Masanori**  
Dpt Earth Sci/Astron  
Fukuoka Univ of Edu  
729 Munakata  
Fukuoka 811 41  
Japan  
☎ 81 940 32 2381

**Hirano Naomi**  
Laboratory of  
Astronomy/Geophysics  
Hitotsubashi Univ  
Kunitachi  
Tokyo 186  
Japan  
☎ 81 425 72 1101\*5389  
① 81 425 71 1893  
✉ hirano@higashi.hit-u.ac.jp

**Hirata Ryuko**  
Astronomy Dpt  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 75 753 7008  
① 81 75 753 7010  
✉ hirata@kuastro.kyoto-u.ac.jp

**Hirayama Tadashi**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
① 81 422 34 3793

**Hiromoto Norihisa**  
Communications Res Lab  
4-2-1 Nukuikitamachi  
Koganei  
Tokyo 184  
Japan  
☎ 81 423 27 7548  
① 81 423 27 6667  
✉ hiromoto@bc.crl.go.jp

**Hiroyasu Ando**  
Ntl Astronomical Obs  
of Japan  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3601  
① 81 422 34 3608  
✉ oandoxx@c1.mtk.nao.ac.jp

**Hirth Wolfgang Ernst**  
Theodor-heus Str 18  
D 53540 Weilerswist  
Germany

**Hitotsuyanagi Juichi**  
Katahira 1-4-6-401  
Sendai 980  
Japan  
☎ 81 222 27 9351

**Hjalmarson Ake G**  
Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5500  
① 46 31 772 5550

**Hjellming Robert M**  
NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 835 7273  
① 1 505 853 7027  
✉ rhjellmi@nrao.edu

**Hjorth Jens**  
Astronomical Observ, NBIFAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5928  
① 45 35 32 5989  
✉ jens@astro.ku.dk

**Hnatyk Bohdan**  
Inst Appl Problems In  
Mech/Mathematics  
Naukov Str 3-6  
290053 Lviv  
Ukraine  
☎ 380 3227 41114

**Ho Paul T P**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 3627

**Hoag Arthur A**  
4410 E 14th St  
Tucson AZ 85711  
USA  
☎ 1 520 795 8644

**Hoang Binh Dy**  
Observ Paris Meudon  
DAMAP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7445  
① 33 1 45 07 7100

**Hoare Melvin**  
Physics Dpt  
Univ of Leeds  
Leeds LS2 9JT  
UK  
☎ 44 113 233 3860  
① 44 113 233 3846  
✉ mgh@mpia-hd.mpg.de

**Hobbs Lewis M**  
Yerkes Observ  
Univ of Chicago  
Box 258  
Williams Bay WI 53191  
USA  
☎ 1 414 245 5555  
① 1 414 245 9805

**Hobbs Robert W**  
CTA Inc  
6116 Executive Blvd  
Suite 800  
Rockville MD 20852  
USA

**Hockey Thomas Arnold**  
Dpt Earth Science  
Univ Northern Iowa  
Cedar Falls IA 50614 7124  
USA  
☎ 1 319 273 2065  
① 1 319 273 7124  
✉ hockey@uni.edu

**Hodapp Klaus-Werner**  
Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 8968  
① 1 808 988 2790  
✉ hodapp@ifa.hawaii.edu

**Hodge Paul W**  
Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA  
☎ 1 425 543 2888  
① 1 425 685 0403

**Hoeflich Peter**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 3249  
① 49 893 299 3235  
✉ pah@dgaipp1s

**Hoeg Erik**  
Astronomical Observ, NBIFAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5975  
① 45 35 32 5989  
✉ erik@astro.ku.dk

**Hoegbom Jan A**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjoebaden  
Sweden  
☎ 46 8 716 4445  
① 46 8 717 4719  
✉ janh@astro.su.se

**Hoeglund Bertil**  
Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5500  
① 46 31 772 5550

**Hoeksema Jon Todd**  
HEPL  
Stanford Univ  
Annex B213  
Stanford CA 94305 4085  
USA  
☎ 1 415 723 1506  
① 1 415 725 2333  
✉ todd@solar.stanford.edu

**Hoekstra Roel**  
TPD/TNO/TH  
Box 155  
NL 2600 AD Delft  
Netherlands

**Hoessel John Greg**  
Washburn Observ  
Univ Wisconsin  
475 N Charter St  
Madison WI 53706  
USA  
☎ 1 608 262 1752  
① 1 608 263 0361

**Hoey Michael J**  
Physics Dpt  
Univ College  
Belfield  
Dublin 4  
Ireland  
☎ 353 1 693 244  
① 353 1 671 1759

**Hoff Darrel Barton**  
Box 313  
Calmar IA 52132  
USA

**Hoffleit E Dorrit**  
Astronomy Dpt  
Yale Univ  
Box 208101  
New Haven CT 06520 8101  
USA  
☎ 1 203 432 3032  
① 1 203 432 5048

**Hoffman Jeffrey Alan**  
NASA European Repr  
A 230  
2 Av Gabriel  
F 75008 Paris  
France  
☎ 33 1 4312 2100  
① 33 1 4265 8768  
✉ jeffrey.hoffman@hq.nasa.gov

**Hoffmann Martin**  
Observatorium Hoher List  
Univ Sternwarte Bonn  
D 54550 Daun  
Germany  
☎ 49 65 92 2150  
① 49 65 92 9851 40

**Hofmann Wilfried**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 50  
① 49 622 140 5297

**Hogan Craig J**  
Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA  
☎ 1 425 543 2888  
① 1 425 685 0403

**Hogg David E**  
NRAO  
520 Edgemont Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 296 0220

**Hohenkerk Catherine**  
Royal Greenwich Obs  
Nautical Almanac office  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 1223 374 738  
① 44 12 23 374 700  
✉ cyh@mail.ast.cam.ac.uk

**Hojaev Alisher S**  
Astronomical Institute  
Uzbek Acad Sci  
Astronomicheskaya UI 33  
700052 Tashkent  
Uzbekistan  
☎ 7 3712 35 8102  
① 7 37 12 33 3200  
✉ hojaev@yahoo.com

**Holberg Jay B**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 4301  
① 1 520 621 4933

**Hollenbach David John**  
NASA/ARC  
MS 245 6  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 997 6426  
① 1 415 604 6779

**Hollis Jan Michael**  
NASA GSFC  
Code 930  
Greenbelt MD 20771  
USA

**Holloway Nigel J**  
Safety/Reliability dir  
Wigshaw Lane  
Culcheth  
Warrington WA3 4NE  
UK  
☎ 44 19 53 1244

**Hollowell David Earl**  
LANL  
MS B220 X 2  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 2388  
① 1 505 665 4055  
✉ u095874@lanl.gov

**Hollweg Joseph V**  
Physics Dpt  
Univ of New Hampshire  
Demeritt Hall  
Durham NH 03824  
USA  
☎ 1 603 862 3869

**Holman Gordon D**  
NASA GSFC  
Code 682  
Greenbelt MD 20771  
USA  
☎ 1 301 286 4636  
✉ holman@stars.gsfc.nasa.gov

**Holmberg Erik B**  
Eneliden 2  
S 433 00 Partille  
Sweden  
☎ 46 31 26 5842

**Holt Stephen S**  
NASA GSFC  
Code 600  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8801  
① 1 301 286 1772  
✉ holt@heavx.gsfc.nasa.gov

**Holweger Hartmut**  
Inst Theor Phys/  
Sternwarte Univ Kiel  
Olshausenstr 40  
D 24098 Kiel  
Germany  
☎ 49 431 88 04 107  
① 49 431 880 4432

**Holzer Thomas Edward**  
HAO  
NCAR  
Box 3000  
Boulder CO 80307 3000  
USA  
☎ 1 303 497 1536  
① 1 303 497 1568

**Honeycutt R Kent**  
Astronomy Dpt  
Indiana Univ  
Swain W 319  
Bloomington IN 47405  
USA  
☎ 1 812 335 6916  
① 1 812 855 8725

**Hong Hyon Ik**  
Physics Dpt  
Kim Il Sung Univ  
Taesong district  
Pyongyang  
Korea DPR

**Hong Seung Soo**  
Astronomy Dpt  
Seoul Ntl Univ  
Kwanak Ku  
Seoul 151  
Korea RP  
☎ 82 288 06 626  
① 82 288 71435  
✉ sshong@stroiism.snu.ac.kr

**Hong Xiaoyu**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Hood Alan**  
Mathematics Dpt  
Univ of St Andrews  
St Andrews North Haugh  
Fife KY16 9SS  
UK  
☎ 44 13 34 7661  
① 44 13 347 4487  
✉ amsah@savb.st-and.ac.uk

**Hopp Ulrich**  
Inst Astron/Astrophysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 220 9425  
① 49 899 220 9427  
✉ hopp@usm.uni-muenchen.de

**Horedt Georg Paul**  
DFVLR  
Ne Oe Pe  
Oberpfaffenhofen  
D 8031 Wessling  
Germany  
☎ 49 815 328 1328

**Hori Genichiro**  
Astronomy Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 381 22 111\*4251  
① 81 338 13 9439

**Horiuchi Ritoku**  
Ntl Institute  
Fusion Science  
Nagoya 464 01  
Japan  
☎ 81 527 81 511  
① 81 527 82 7106

**Horne Keith**  
Dpt Phys/Astronomy  
Univ of St Andrews  
North Haugh  
St Andrews Fife KY16 9SS  
UK  
☎ 44 1334 76161  
① 44 1334 74487  
✉ keith.horne@st-and.ac.uk



**Horowitz Paul**

Physics Dpt  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 3265  
☎ 1 617 495 7356

**Horsky Jan**

Dpt Th Phys/Astrophys  
Masaryk Univ  
Kotlarska 2  
CZ 611 37 Brno  
Czech R  
☎ 420 5 4112 9381  
☎ 420 5 4121 1214  
✉ horsky@elanor.sci.  
muni.cs

**Horton Brian H**

Jacobri Ent  
Box 309  
Goolwa SA 5214  
Australia  
☎ 61 85 553 376

**Horvath Andras**

Tit Planetarium &  
Urania Observ  
Box 46  
H 1476 Budapest  
Hungary  
☎ 36 1 334 25

**Horwitz Gerald**

Racah Inst of Phys  
Hebrew Univ Jerusalem  
Jerusalem 91904  
Israel  
☎ 972 2 58 4592  
☎ 972 2 658 4374

**Hoshi Rejun**

Physics Dpt  
Rikkyo Univ  
Nishi-ikebukuro  
Toshima Ku Tokyo 171  
Japan  
☎ 81 398 52 414

**Hoskin Michael A**

Churchill College  
Cambridge CB3 0DS  
UK  
☎ 44 12 23 336 049  
☎ 44 12 23 336 180  
✉ mah15@cus.cam.ac.uk

**Hosking Roger J**

James Cook Univ  
of NQLD  
Townsville Qld 4811  
Australia  
☎ 61 77 814 1113

**Hosokawa Yoshimasa H**

Sakigaoka 3 4 9  
Funabashi City  
Chiba Prefecture 274  
Japan  
☎ 81 474 48 6679

**Hotinli Metin**

Univ Rasathanesi  
Istanbul  
Turkey

**Houck James R**

Astronomy Dpt  
Cornell Univ  
512 Space Sc Bldg  
Ithaca NY 14853 6801  
USA  
☎ 1 607 256 4806  
☎ 1 607 255 2365

**Houdebine Eric**

ESA/ESTEC  
SSD  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 6555  
☎ 31 71 565 4697  
✉ erh@so.estec.esa.nl

**Hough James**

Physical Sci Div  
Univ Hertfordshire  
College Lane  
Hatfield Herts AL10 9AB  
UK  
☎ 44 170 728 4607  
☎ 44 170 728 4644  
✉ jhh@star.herts.ac.uk

**Hough James**

Dpt Phys/Astronomy  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855  
☎ 44 1413 349 029  
✉ gla.ph.11@uk.ac.rl

**Houk Nancy**

Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 764 3436  
☎ 1 313 763 6317  
✉ houk@astro.lsa.  
umich.edu

**House Franklin C**

Heidenreichstr 42  
D 6100 Darmstadt  
Germany  
☎ 49 615 142 2412

**House Lewis L**

2034 Eisenhower Dr  
Louisville CO 80027  
USA

**Houziaux Leo**

Dpt Astrophysique  
Univ Mons Hainaut  
r de la Halle 15  
B 7000 Mons  
Belgium  
☎ 32 86 38 9818  
☎ 32 86 38 9818  
✉ leo.houziaux@ulg.ac.be

**Hovenier J W**

Dpt Phys/Astronomy  
Free University  
De Boelelaan 1081  
NL 1081 HV Amsterdam  
Netherlands  
☎ 31 20 540 2414  
☎ 31 20 444 7899

**Hovhannessian Raffik**

Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640  
✉ rhovhan@bao.sci.am

**Howard Robert F**

NOAO/NSO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
☎ 1 520 325 9278

**Howard W Michael**

LLNL  
L 297  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 415 422 4138  
☎ 1 415 423 0238  
✉ howwin@physics.  
lnl.gov

**Howard William E III**

Universities Space Res  
Association  
300 D Street SW Suite 801  
Washington DC 20024  
USA  
☎ 1 202 488 5128  
☎ 1 202 479 2613  
✉ whoward@usra.edu

**Howarth Ian Donald**

Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050  
☎ 44 171 380 7145

**Howell Steve Bruce**

Dpt Phys/Astronomy  
Univ of Wyoming  
Box 3905  
Laramie WY 82071  
USA  
☎ 1 307 766 6150  
☎ 1 307 766 2652  
✉ showell@kaya.  
uwyo.edu

**Hoyle Fred**

102 Admirals Walk  
West Cliff Rd Bouremouth  
Dorset BH2 5HF  
UK

**Hoyng Peter**

SRON  
Postbus 800  
Sorbonnelaan 2  
NL 3584 CA Utrecht  
Netherlands  
☎ 31 30 253 5600  
☎ 31 30 254 0860  
✉ phoyng@sron.ruu.nl

**Hozumi Shunsuke**

Shiga Univ  
2-5-1 Hiratsu  
Otsu  
Shiga 520  
Japan  
☎ 81 775 37 7835  
☎ 81 775 37 7840  
✉ hozumi@sue.shiga-u.ac.jp

**Hric Ladislav**

Astronomical Institute  
Slovak Acad Sci  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 96 7866  
☎ 421 969 96 7656

**Hrivnak Bruce J**

Physics Dpt  
Valparaiso Univ  
Valparaiso IN 46383  
USA  
☎ 1 219 464 5379  
☎ 1 219 464 5489  
✉ bhrivnak@exodus.valpo.edu

**Hron Josef**

Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 345 3600  
☎ 43 1 470 6015

**Hsiang Yan-Yu**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
☎ 86 1 256 10855

**Hsiang-Kuang Tseng**

Physics Dpt  
Ntl Central Univ  
Chung Li Taiwan 32054  
China R  
☎ 886 3 462 2302  
☎ 886 3 426 2304

**Hu Esther M**

Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 7190  
☎ 1 808 988 2790  
✉ hu@ifa.hawaii.edu

**Hu Fuxing**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
☎ 86 25 301 459

**Hu Jingyao**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
☎ 86 1 256 10855

**Hu Ning-Sheng**  
Nanjing Astronomical  
Instrument Factory  
Box 846  
Nanjing  
China PR  
☎ 86 25 46191  
📠 86 25 71 1256

**Hu Wenrui**  
Inst of Mechanics  
CAS  
W Suburb  
Beijing 100080  
China PR  
☎ 86 1 28 4185  
📠 01 256 10855

**Hu Zhongwei**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 37651  
📠 01 86 25 330 2728

**Hua Chon Trung**  
LAS  
Traverse du Siphon  
Les Trois Lucs  
F 13376 Marseille Cdx 12  
France  
☎ 33 4 91 05 5932  
📠 33 4 91 66 1855  
✉ hua@flrasm51

**Hua Yingmin**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
📠 01 86 21 6438 4618  
✉ hym@center.shao.  
ac.cn

**Huan Ngeyen Dush**  
Univ of Vinh  
Province Ngh'e An  
Vietnam

**Huang Bi-kun**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 307521  
📠 01 86 25 301 459

**Huang Changchung**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700/42817  
📠 01 86 25 301 459

**Huang Cheng**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
📠 01 86 21 6438 4618

**Huang Fuquan**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 330 8624  
📠 01 86 25 330 6982

**Huang Guangli**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 443 2817  
📠 01 86 25 330 1459  
✉ guangli.huang@cetp.  
ipsi.fr

**Huang Jiehao**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 663 7551\*2882  
📠 01 86 25 330 2728

**Huang Keliang**  
Astronomy Dpt  
Beijing Normal Univ  
Beijing 100875  
China PR  
☎ 86 1 65 6531\*6285  
📠 01 86 1 201 3929

**Huang Kunyi**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 32893  
📠 01 86 25 301 459

**Huang Lin**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
📠 01 86 1 256 10855  
✉ hlin@bao01.bao.  
ac.cn

**Huang Runqian**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
📠 01 86 871 717 1845

**Huang Song-mian**  
ICTP  
St Costiera 11  
Miramare  
I 34014 Trieste  
Italy  
☎ 39 40 22 40111  
📠 01 39 40 22 4163

**Huang Tianyi**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 663 7551\*2882  
📠 01 86 25 330 2728

**Huang Tieqin**  
Nanjing Astronomical  
Instrument Factory  
Box 846  
Nanjing  
China PR  
☎ 86 25 46191  
📠 01 86 25 71 1256

**Huang Yi-Long**  
Inst of History  
Ntl Tsing Hua Univ  
Hsin Chu 300043  
China R  
☎ 886 35 71 6780

**Huang Yinliang**  
Tianjin Inst of Tech  
Hong Qi Nan Rd  
Tianjin 300191  
China PR  
☎ 86 36 878 7256

**Huang Yinn-Nien**  
Dir Gen Telecommunicat  
Mnstr Transport/Comm  
31 Ai Kuo East Rd  
Taipei 106  
China R  
☎ 886 2 344 3604  
📠 01 886 2 356 0259

**Huang Yongwei**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
📠 01 86 1 256 10855

**Huang Youran**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 663 7551\*2882  
📠 01 86 25 330 2728

**Hubbard William B**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 6942  
📠 01 1 520 621 4933  
✉ hubbard@lpl.arizona.edu

**Hube Douglas P**  
Physics Dpt  
Univ of Alberta  
Edmonton AB T6G 2J1  
Canada  
☎ 1 403 492 5410  
📠 01 1 403 492 0714  
✉ hube@phys.ualberta.ca

**Hubenet Henri**  
Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5200  
📠 01 31 30 253 1601

**Hubeny Ivan**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6072  
📠 01 301 286 1753  
✉ hubeny@deblur.gsfc.nasa.gov

**Huber Martin C E**  
ESA/ESTEC  
SSD  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 3552  
📠 01 31 71 565 4699  
✉ mhuber@astro.estec.esa.nl

**Hubert-Delplace A.-M.**  
Observ Paris Meudon  
DASGAL  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 34 7856  
📠 01 33 1 45 07 7511

**Hubrig Svetlana**  
Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9224  
📠 01 49 331 749 9309  
✉ shubrig@astro.physik.uni-  
potsdam.de

**Huchra John Peter**  
CfA  
HCO/SAO MS 20  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7375  
📠 01 1 617 495 7467  
✉ huchra@cfa.harvard.edu

**Huchtmeier Walter K**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 215  
📠 01 49 228 525 229  
✉ huchtmeier@mpifr-  
bonn.mpg.de

**Hudec Rene**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7128  
📠 01 420 2 88 1611  
✉ rhudec@asu.cas.cz

**Hudson Hugh S**

ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 69 4532  
☎ 81 427 69 4531  
✉ hudson@isass6.solar.  
isas.ac.jp

**Huebner Walter F**

Southwest Res Inst  
PO Drawer 28510  
San Antonio TX 78228 0510  
USA  
☎ 1 210 522 2730  
☎ 1 210 543 0052  
✉ whuebner@swri.edu

**Huenemoerder David P**

Astronomy Dpt  
Pennsylvania State Univ  
525 Davey Lab  
University Park PA 16802  
USA  
☎ 1 814 865 6601  
☎ 1 814 863 7114  
✉ dph@astro.psu.edu

**Huggins Patrick J**

Physics Dpt  
New York Univ  
4 Washington Place  
New York NY 10003  
USA  
☎ 1 212 998 7717  
☎ 1 212 995 4016  
✉ patrick.huggins@  
nyu.edu

**Hughes Arthur R W**

Univ of Natal  
Physics Dpt  
King George V Av  
4001 Durban  
South Africa  
☎ 27 31 260 2775  
☎ 27 31 261 6550  
✉ hughes@ph.und.ac.za

**Hughes David W**

Physics Dpt  
The University  
Sheffield S3 7RH  
UK  
☎ 44 174 278 555

**Hughes John P**

CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7142  
☎ 1 617 495 7356

**Hughes Philip**

Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 764 3430  
☎ 1 313 764 2211

**Hughes Shaun**

Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
☎ 44 12 23 374 700  
✉ hughes@mail.ast.  
cam.ac.uk

**Hughes Victor A**

Physics Dpt  
Queen's Univ  
Kingston ON K7L 3N6  
Canada  
☎ 1 613 533 6000  
☎ 1 613 533 6463  
✉ hughes@physics.  
queensu.ca

**Huguenin G Richard**

Millimetrix LLC  
100 Venture Way  
Hadley MA 01035  
USA  
☎ 1 413 582 9600  
☎ 1 413 582 9610

**Hulsbosch A N M**

Sterrenkunde  
Universiteit Nijmegen  
Toernooiveld  
NL 6525 ED Nijmegen  
Netherlands  
☎ 31 24 365 2080  
☎ 31 24 365 2191

**Humble John Edmund**

School of Physics  
Univ Tasmania  
GPO Box 252 21  
Hobart TAS 7001  
Australia  
☎ 61 3 6226 2396  
☎ 61 3 6226 2410  
✉ john.humble@  
utas.edu.au

**Hummel Christian Aurel**

USNO  
AD5 Bg 22 Rm 220  
3450 Massachusetts Av NW  
Washington DC 20392 5100  
USA  
☎ 1 202 762 0314  
☎ 1 202 762 1514  
✉ cah@fornax.usno.navy.mil

**Hummel Edsko**

Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
☎ 31 50 363 6100  
✉ secr@astro.rug.nl

**Hummel Wolfgang**

Inst Astron/Astrophysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 220 9440  
☎ 49 899 220 9427  
✉ hummel@usm.uni-  
muenchen.de

**Humphreys Roberta M**

School Phys/Astronomy  
Univ Minnesota  
116 Church St SE  
Minneapolis MN 55455  
USA  
☎ 1 612 373 9747  
☎ 1 612 624 2029

**Humphries Colin M**

11 Craigmount Grove  
North  
Edinburgh EH12  
UK  
☎ 44 131 667 3321

**Hundhausen Arthur**

HAO  
NCAR  
Box 3000  
Boulder CO 80307 3000  
USA  
☎ 1 303 497 1000  
☎ 1 303 497 1568

**Hunger Kurt**

Inst Theor Phys/  
Sternwarte Univ Kiel  
Olshausenstr 40  
D 24098 Kiel  
Germany  
☎ 49 431 880 4110  
☎ 49 431 880 4432

**Hunstead Richard W**

School of Physics  
UNSW  
Sydney NSW 2006  
Australia  
☎ 61 2 692 3871  
☎ 61 2 660 2903

**Hunt G E**

Elbury 37 Blenheim Rd  
Raynes Park  
London SW20 9BA  
UK  
☎ 44 181 542 2374

**Hunt Leslie**

Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 5 2296  
☎ 39 55 22 0039  
✉ hunt@sisifo.arcetri.  
astro.it

**Hunten Donald M**

Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 4002  
☎ 1 520 621 4933

**Hunter Christopher**

Mathematics Dpt  
Florida State Univ  
Tallahassee FL 32306  
USA  
☎ 1 904 644 2488

**Hunter Deldre Ann**

Dpt Terrest Magnetism  
Carnegie Inst Washington  
5241 Bd Branch Rd NW  
Washington DC 20015 1305  
USA  
☎ 1 202 966 0863  
☎ 1 202 364 8726

**Hunter James H**

Astronomy Dpt  
Univ of Florida  
211 SSRB  
Gainesville FL 32611  
USA  
☎ 1 904 392 1078  
☎ 1 904 392 5089

**Huntress Wesley T**

NASA Headquarters  
Code SL  
600 Independence Av SW  
Washington DC 20546  
USA  
☎ 1 202 453 1588  
☎ 1 202 426 1023

**Huovelin Juhani**

Helsinki Univ  
Observ  
Box 14  
FIN 00014 Helsinki  
Finland  
☎ 358 19 12 2948  
☎ 358 19 12 2952  
✉ johani.huovelin@  
helsinki.fi

**Hurford Gordon James**

CALTECH  
MS 264 33  
Pasadena CA 91125  
USA  
☎ 1 818 356 3866  
☎ 1 909 866 4240

**Hurley Kevin C**

Space Sci Laboratory  
Univ of California  
Grizzly Peak Blvd  
Berkeley CA 94720 7950  
USA  
☎ 1 510 643 9173  
☎ 1 510 643 8602  
✉ khurley@sunsport.ssl.  
berkeley.edu

**Hurnik Hieronim**

Astronomical Observ  
A Mickiewicz Univ  
Ul Słoneczna 36  
PL 60 286 Poznan  
Poland  
☎ 48 61 67 9670  
☎ 48 61 53 6536

**Hurukawa Kiitiro**

1 3 29 Osawa  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 3834  
☎ 81 422 33 8514

**Hurwitz Mark V**  
 Ctr for EUV Astrophys  
 Univ of California  
 2150 Kittredge St  
 Berkeley CA 94720 5030  
 USA  
 ☎ 1 510 643 5665  
 ☎ 1 415 643 5660  
 ✉ markh@ssl.berkeley.edu

**Husfeld Dirk**  
 Inst Astron/Astrophysik  
 Univ Sternwarte  
 Scheinerstr 1  
 D 81679 Muenchen  
 Germany  
 ☎ 49 899 220 9440  
 ☎ 49 899 220 9427

**Hut Piet**  
 Inst Advanced Study  
 School Natural Science  
 Princeton NJ 08540  
 USA  
 ☎ 1 609 734 8075  
 ☎ 1 609 924 8399  
 ✉ piet@guinness.ias.edu

**Hutcheon Richard J**  
 Plasma Physics Div  
 Atomic Energy Lab  
 Pelindaba PB X256  
 0001 Pretoria  
 South Africa

**Hutchings John B**  
 NRCC/HIA  
 DAO  
 5071 W Saanich Rd  
 Victoria BC V8X 4M6  
 Canada  
 ☎ 1 250 363 0018  
 ☎ 1 250 363 0045  
 ✉ hutchings@dao.nrc.ca

**Hutsemekers Damien**  
 Inst Astrophysique  
 Universite Liege  
 Av Cointe 5  
 B 4000 Liege  
 Belgium  
 ☎ 32 4 254 7510  
 ☎ 32 4 254 7511  
 ✉ hutsemek@astro.  
 ulg.ac.be

**Hutter Donald John**  
 USNO  
 AD5 Bg 22 Rm 220  
 3450 Massachusetts Av NW  
 Washington DC 20392 5100  
 USA  
 ☎ 1 202 762 1549  
 ☎ 1 202 762 1514  
 ✉ djh@formax.usno.  
 navy.mil

**Hwang Jai-chan**  
 Dpt Astron/Space Sci  
 Kyunghee Univ  
 Yong In Kun  
 Kyunggee 449 701  
 Korea RP  
 ☎ 82 539 50 6360  
 ☎ 82 539 50 6359  
 ✉ jchan@hanul.issa.  
 re.kr

**Hwang Woei-yann P**  
 Physics Dpt  
 Ntl Taiwan Univ  
 Taipei 10764  
 China R  
 ☎ 886 2 363 0231\*3159  
 ☎ 886 2 363 7204/9984

**Hyder C L**  
 C/o Rozamme Smith  
 2837 Alvarado Ne  
 Albuquerque NM 87110  
 USA

**Hyland A R Harry**  
 Southern Cross Univty  
 Box 157  
 Lismore NSW 2480  
 Australia  
 ☎ 61 66 20 3000  
 ☎ 61 66 22 1300  
 ✉ h.hyland@unsw.edu.au

**Hysom Edmund J**  
 8 East Dr  
 Caldecote  
 Cambridge CB3 7NZ  
 UK  
 ☎ 44 19 54 211 137

**Hyun Jong-June**  
 Astronomy Dpt  
 Seoul Ntl Univ  
 Kwanak Ku  
 Seoul 151  
 Korea RP  
 ☎ 82 877 30 10\*2542  
 ☎ 82 288 71435

**Hyung Siek**  
 Korea Astronomy Observ  
 Hwaam-dong Yusung-gu  
 San 36 1  
 Taejeon  
 Korea RP  
 ☎ 82 563 301 014  
 ☎ 82 563 369 450  
 ✉ hyung@bohyun.boao.re.kr

## I

**Ianna Philip A**  
University Station  
Univ of Virginia  
Box 3818  
Charlottesville VA 22903 0818  
USA  
☎ 1 804 924 7494  
① 1 804 924 3104  
✉ pai@fermi.clas.virginia.edu

**Iannini Gualberto**  
Observ Astronomico  
de Cordoba  
Laprida 854  
5000 Cordoba  
Argentina  
☎ 54 51 23 0491  
① 54 51 21 0613

**Ibadinov Khursandkul**  
Astrophys Inst  
Uzbek Acad Sci  
Sviridenko Ul 22  
734670 Dushanbe  
Tajikistan  
☎ 7 3770 23 1432  
① 7 3770 27 5483

**Ibadov Subhon**  
Astrophys Inst  
Uzbek Acad Sci  
Sviridenko Ul 22  
734670 Dushanbe  
Tajikistan  
☎ 7 3770 23 1432  
① 7 3770 27 5483  
✉ ibadov@td.silk.org

**Ibanez S Miguel H**  
Dpt Fisica  
Univ Los Andes  
Merida 5101 A  
Venezuela  
☎ 58 7 463 9930/7477  
① 58 7 444 1723

**Ibanoglu Cafir**  
Dpt Astron/Space Sci  
Ege Univ  
Box 21  
35100 Bornova Izmir  
Turkey  
☎ 90 232 388 0110\*2322

**Ibbetson Peter Aaron**  
Wise Observ  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 641 3788  
① 972 3 640 8179

**Iben Icko**  
Dpt Astron/Physics  
Univ of Illinois  
1011 W Springfield Av  
Urbana IL 61801  
USA  
☎ 1 217 333 3090  
① 1 217 244 7638

**Ibrahim Jorga**  
Astronomy Dpt  
Bandung Insste Techn  
Jl Tamansari 64  
Bandung 40132  
Indonesia

**Ichikawa Shin-ichi**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 41 3604  
① 81 422 41 3608  
✉ ichikawa@c1.mtk.nao.ac.jp

**Ichikawa Takashi**  
Astron Institute  
Tohoku Univ  
Aoba  
Sendai 980 77  
Japan  
☎ 81 22 217 6500  
① 81 222 17 6513  
✉ ichikawa@astr.tohoku.ac.jp

**Ichimaru Setsuo**  
Physics Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 381 22 111  
① 81 338 13 9439

**Icke Vincent**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5843  
① 31 71 527 5819  
✉ icke@strw.LeidenUniv.nl

**Idlis Grigorij M**  
Inst Hist of Sci/Tech  
Acad Sciences  
Staropansky 1/5  
103012 Moscow  
Russia  
☎ 7 095 228 1969

**Iijima Shigetaka**  
4 23 6 Osawa  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 31 6031  
① 81 422 31 6031

**Iijima Takashi**  
Osserv Astrofisico  
Univ d Padova  
Via d Osservatorio 8  
I 36012 Asiago  
Italy  
☎ 39 424 460 0030  
① 39 424 60 0023  
✉ iijima@astras.pd.astro.it

**Ikeuchi Satoru**  
Nagoya Univ  
Physics Dpt  
Nagoya 464 01  
Japan  
☎ 81 527 89 2427  
① 81 527 89 2838  
✉ ikeuchi@a.phys.nagoya-u.ac.jp

**Ikhsanov Robert N**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
① 7 812 315 1701

**Ikhsanova Vera N**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
① 7 812 315 1701

**Iliev Ilian**  
Ntl Astronomical Obs  
Bulgarian Acad Sci  
Box 136  
BG 4700 Smoljan  
Bulgaria  
☎ 359 7 341 559

**Ilin Alexei E**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4387  
① 7 812 123 1922  
✉ alexei@ilin.spb.su

**Ill Marton J**  
Baja Astronom Observ  
Toth Kalman U 19  
H 6501 Baja  
Hungary  
☎ 36 7 912 110

**Illes Almar Erzsebet**  
Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
① 36 1 275 4668

**Illing Rainer M E**  
Ball Aerospace Systems  
Division  
Box 1062  
Boulder CO 80306  
USA  
☎ 1 303 939 5888

**Illingworth Garth D**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 459 2513  
① 1 831 426 3115

**Ilyas Mohammad**  
Sheikh Tahir Astron Ctr  
Falak Ctr Bldg  
Univ Science of Malaysia  
11800 Penang  
Malaysia  
☎ 60 4 657 7888\*2115  
① 60 4 657 6155  
✉ milyas@usm.my

**Ilyasov Yuri P**  
Astro Space Ctr  
Lebedev Physical Inst  
Profsoyuznaya 84/32  
Moscow 117924  
Russia  
☎ 7 096 773 2746  
① 7 096 773 2482  
✉ ilyasov@prao.psn.ru

**Imamura James**  
Physics Dpt  
Univ of Oregon  
Eugene OR 97403  
USA  
☎ 1 541 346 5212  
① 1 541 346 5217  
✉ imamura@herb.uoregon.edu

**Imbert Maurice**  
 Observ Marseille  
 2 Pl Le Verrier  
 F 13248 Marseille Cdx 04  
 France  
 ☎ 33 4 91 95 9088  
 ☎ 33 4 91 62 1190  
 ✉ imbert@obmara.cnrs-  
 mrs.fr

**Imbroane Alexandru**  
 Astronomical Observ  
 Univ of Cluj Napoca  
 Ul Ciresilor 19  
 RO 3400 Cluj Napoca  
 Rumania  
 ☎ 40 64 194 592  
 ☎ 40 64 19 2820  
 ✉ alex@geogr.ubbcluj.ro

**Imhoff Catherine L**  
 Computer Sciences Corp  
 Science Programes  
 10000A Aerospace Rd  
 Lanham Seabrook MD 20706  
 USA  
 ☎ 1 301 794 1470  
 ☎ 1 301 459 4482  
 ✉ imhoff@uegtdc.dnet.  
 nasa.gov

**Impey Christopher D**  
 Steward Observ  
 Univ of Arizona  
 Tucson AZ 85721  
 USA  
 ☎ 1 520 621 6522  
 ☎ 1 520 621 1532  
 ✉ impey@solpl.as.  
 arizona.edu

**Imshennik Vladimir S**  
 Inst Theor/Exper Phys  
 Cheremushkinskaya Ul 25  
 117259 Moscow  
 Russia  
 ☎ 7 095 123 0292

**Inagaki Shogo**  
 Astronomy Dpt  
 Kyoto Univ  
 Sakyo Ku  
 Kyoto 606 01  
 Japan  
 ☎ 81 757 51 2111  
 ☎ 81 75 753 7010  
 ✉ inagaki@kuastro.kyoto-  
 u.ac.jp

**Inatani Junji**  
 Nobeyama Radio Obs  
 NAOJ  
 Minamimaki Mura  
 Nagano 384 13  
 Japan  
 ☎ 81 267 98 2831  
 ☎ 81 267 98 2884

**Infante Leopoldo**  
 Dpt Astron y Astrofis  
 Pontificia Univ  
 Vic Mac 4860 Cas 104  
 Santiago 22  
 Chile  
 ☎ 56 2 686 4939  
 ☎ 56 2 686 4948  
 ✉ linfante@astro.puc.cl

**Ingerson Thomas**  
 NOAO  
 CTIO  
 Casilla 603  
 La Serena  
 Chile  
 ☎ 56 51 22 5415  
 ☎ 56 51 20 5342  
 ✉ tingerson@noao.edu

**Inglis Michael**  
 Physical Sci Div  
 Univ Hertfordshire  
 College Lane  
 Hatfield Herts AL10 9AB  
 UK  
 ☎ 44 170 728 6143  
 ☎ 44 170 728 4644  
 ✉ mdi@star.herts.ac.uk

**Innanen Kimmo A**  
 Physics Dpt  
 York Univ  
 4700 Keele St  
 North York ON M3J 1P3  
 Canada  
 ☎ 1 416 667 3837  
 ☎ 1 416 736 5386

**Inoue Hajime**  
 ISAS  
 3 1 1 Yoshinodai  
 Sagamihara  
 Kanagawa 229 8510  
 Japan  
 ☎ 81 427 513 911  
 ☎ 81 427 594 253  
 ✉ inoue@astro.isas.ac.jp

**Inoue Makoto**  
 VSOP Project  
 Ntl Astronomical Obs  
 Osawa Mitaka  
 Tokyo 181  
 Japan  
 ☎ 81 422 34 3807  
 ☎ 81 422 34 3869  
 ✉ inoue@nao.ac.jp

**Inoue Takeshi**  
 Physics Dpt  
 Kyoto Sangyo Univ  
 Kamigamo  
 Kyoto 603  
 Japan  
 ☎ 81 757 01 2151  
 ☎ 81 75 705 1640

**Ioshpa Boris A**  
 ITMIRWP  
 Acad Sciences  
 142092 Troitsk  
 Russia  
 ☎ 7 095 232 1921  
 ☎ 7 095 334 0124

**Iovino Angela**  
 Osserv Astronomico  
 d Brera  
 Via Brera 28  
 I 20121 Milano  
 Italy  
 ☎ 39 2 723 201  
 ☎ 39 2 720 01600  
 ✉ iovino@brera.mi.astro.it

**Ip Wing-huen**  
 MPI Astronomie  
 Max Planck Str 2  
 Postfach 20  
 D 37189 Katlenburg Lindau  
 Germany  
 ☎ 49 555 641 6  
 ☎ 49 555 697 9240

**Ipatov Alexander V**  
 Inst Appl Astronomy  
 Acad Sciences  
 Zhdanovskaya St 8  
 197042 St Petersburg  
 Russia  
 ☎ 7 812 235 3497/230 7414  
 ☎ 7 812 230 7413  
 ✉ iparan@sovam.com

**Ipsier James R**  
 Physics Dpt  
 Univ of Florida  
 Williamson 220A  
 Gainesville FL 32611 8440  
 USA  
 ☎ 1 904 392 0521  
 ✉ ipsier@possum.phys.  
 ufl.edu

**Irbah Abdanour**  
 CRAAG  
 Observ Alger  
 BP 63  
 Bouzareah 16340  
 Algeria  
 ☎ 213 2 901 572/424  
 ☎ 213 2 901 424  
 ✉ irbah@boulega.unice.fr

**Ireland Jack**  
 School of Maths/Comp Sci  
 Univ of St Andrews  
 North Haugh  
 St Andrews Fife KY16 9SS  
 UK  
 ☎ 44 1334 76161  
 ☎ 44 1334 74487  
 ✉ jack@dcs.st-and.ac.uk

**Ireland John G**  
 C/o 13 Gordon Rd  
 Belvedere Kent DA17 6EA  
 UK

**Irigoyen Maylis**  
 Universite Paris II  
 12 Pl du Pantheon  
 F 75005 Paris  
 France

**Iriyama Jun**  
 Fac of Eng  
 Chubu Univ  
 1200 Matsumoto  
 Kasugai shi aichi 487  
 Japan  
 ☎ 81 568 51 1111

**Irvine William M**  
 Five College  
 RAO  
 B619 Lederle Grad Res Tyr  
 Amherst MA 01003  
 USA  
 ☎ 1 413 545 0733  
 ☎ 1 413 545 4223  
 ✉ irvine@fcrail.phast.  
 umass.edu

**Irwin Alan W**  
 Physics Dpt  
 Univ of Victoria  
 Box 1700  
 Victoria BC V8W 2Y2  
 Canada  
 ☎ 1 250 721 7700  
 ☎ 1 250 721 7715  
 ✉ irwin@uvastro.phys.uvic.ca

**Irwin Judith**  
 Physics Dpt  
 Queen's Univ  
 Stirling Hall Rm 308e  
 Kingston ON K7L 3N6  
 Canada  
 ☎ 1 613 547 2712  
 ☎ 1 613545 6463

**Irwin Michael John**  
 Inst of Astronomy  
 The Observatories  
 Madingley Rd  
 Cambridge CB3 0HA  
 UK  
 ☎ 44 12 23 337 548  
 ☎ 44 12 23 337 523  
 ✉ mike@ast.cam.ac.uk

**Isaak George R**  
 Physics Dpt  
 Univ Birmingham  
 Box 363  
 Birmingham B15 2TT  
 UK  
 ☎ 44 12 14 72 1301  
 ☎ 44 12 1414 45 77

**Isern Jorje**  
 C/Seplveda 83 6 3a  
 E 08015 Barcelona  
 Spain

**Ishida Keiichi**  
 Tokyo Astronomical Obs  
 NAOJ  
 Osawa Mitaka  
 Tokyo 181  
 Japan  
 ☎ 81 422 32 5211  
 ☎ 81 422 34 3793

**Ishida Manabu**  
 ISAS  
 3 1 1 Yoshinodai  
 Sagamihara  
 Kanagawa 229 8510  
 Japan  
 ☎ 81 427 51 3911  
 ☎ 81 427 59 4253  
 ✉ ishida@astro.isas.ac.jp

**Ishida Toshihito**  
 Nishi Harima Astronomical  
 Observ  
 Ohnadesan Sayo Cho  
 Hyogo 679 53  
 Japan  
 ☎ 81 790 82 3886\*142  
 ☎ 81 790 82 3514  
 ✉ ishida@nhao.go.jp

**Ishiguro Masato**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 98 2831  
☎ 81 267 98 2884  
✉ ishiguro@nro.nao.ac.jp

**Ishihara Hideki**  
Physics Dpt  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 53 3850  
☎ 81 75 753 7010  
✉ ishihara@nws841.sophys.kyotoua

**Ishizawa Toshiaki A**  
Astronomy Dpt  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 51 2111  
☎ 81 75 753 7010  
✉ ishizawa@kusastro.kyoto-u.ac.jp

**Ishizuka Toshihisa**  
Physics Dpt  
Ibaraki Univ  
Bunkyo  
Mito 310  
Japan  
☎ 81 292 26 1621

**Isliker Heinz**  
Astronomy Lab  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 80 62  
☎ 30 31 99 53 84  
✉ isliker@helios.astro.auth.gr

**Isobe Syuzo**  
National Astronomical Obs  
2-21-1 Osawa  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3645  
☎ 81 422 34 3641  
✉ isobesz@cc.nao.ac.jp

**Israel Frank P**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5891  
☎ 31 71 527 5819  
✉ israel@strw.leidenuniv.nl

**Israel Guy Marcel**  
Service Aeronomie  
BP 3  
F 91371 Verrieres Buisson  
France  
☎ 33 1 64 47 4289

**Israel Werner**  
Physics Dpt  
Univ of Alberta  
Edmonton AB T6G 2J1  
Canada  
☎ 1 403 432 3552  
☎ 1 403 432 4256

**Issa Issa Aly**  
NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
☎ 20 2 78 26 83

**Isserstedt Joerg**  
Astronomisches Institut  
Univ Wuerzburg  
am Hubland  
D 97074 Wuerzburg  
Germany  
☎ 49 931 888 5301  
☎ 49 931 888 4603

**Ito Kensai A**  
Physics Dpt  
Rikkyo Univ  
Nishi-ikebukuro  
Tokyo 171  
Japan  
☎ 81 398 52 384

**Ito Yutaka**  
Coll of Edu Akita Univ  
Cosmic/Earth Science  
Tegata Gakuencho  
Akita 010  
Japan  
☎ 81 188 892 654  
☎ 81 188 892 655

**Itoh Hiroshi**  
Minamida-cho 27-160  
Jodoji Sakyo-ku  
Kyoto 606  
Japan  
☎ 81 757 51 2111  
☎ 81 75 753 7010

**Itoh Masayuki**  
Fac of Human Dvpt  
Kobe Univ  
3 11 Tsurukabuto Nada  
Kanagawa 229  
Japan  
☎ 81 78 803 0913  
☎ 81 78 803 0261  
✉ mitah@kobe-u.ac.jp

**Itoh Naoki**  
Physics Dpt  
Sophia Univ  
7-1 Kioi-cho Chiyoda Ku  
Tokyo 102  
Japan  
☎ 81 323 83 431

**Ivanchuk Victor I**  
Astronomical Observ  
Kyiv State Univ  
Observatornaya Ul 3  
252053 Kyiv  
Ukraine  
☎ 380 4421 62691

**Ivanov Evgeny I**  
ITMIRWP  
Acad Sciences  
142092 Troitsk  
Russia  
☎ 7 095 334 0282  
☎ 7 095 334 0124  
✉ ivanov@lars.izmiran.troitsk.su

**Ivanov Georgi R**  
Astronomy Dpt  
Univ of Sofia  
Anton Ivanov St 5  
BG 1126 Sofia  
Bulgaria  
☎ 359 2 68 8176  
☎ 359 2 68 9085

**Ivanov Vsevolod V**  
Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
198904 St Petersburg  
Russia  
☎ 7 812 257 9491  
☎ 7 812 428 4259

**Ivanov Kholodny Goz S**  
ITMIRWP  
Acad Sciences  
142092 Troitsk  
Russia  
☎ 7 095 334 0120  
☎ 7 095 334 0124

**Ivanova Violeta**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
☎ 359 2 75 5019

**Ivchenko Vasily**  
Astronomy Dpt  
Univ of Kyiv  
Acad Glushkov Str 6  
252022 Kyiv  
Ukraine  
☎ 380 4426 64457  
☎ 380 4426 64507  
✉ ivchenko@astron.univ.kiev.ua

**Ives John Christopher**  
ESA/ESTEC  
SSD  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 6555  
☎ 31 71 565 4532

**Iwaniszewska Cecylia**  
Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland  
☎ 48 56 26 018  
☎ 48 56 24 602  
✉ cecylia@cc.uni.torun.pl

**Iwanowska Wilhelmina**  
Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland  
☎ 48 56 26 018  
☎ 48 56 24 602

**Iwasaki Kyosuke**  
Kyoto Gakuen Univ  
NANJO  
Sogabecho Kameoka  
Kyoto 621  
Japan  
☎ 81 771 22 2001  
☎ 81 771 24 8150

**Iwata Takahiro**  
Kashima Space Res C  
Commun Res Lab  
893 1 Hirai  
Kashima Ibaraki 314  
Japan  
☎ 81 299 84 7140  
☎ 81 299 84 7159  
✉ iwata@crl.go.jp

**Iye Masanori**  
Ntl Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3703  
☎ 81 422 34 3608  
✉ iye@optik.mtk.nao.ac.jp

**Iyengar K V K**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 353 0672/0676  
☎ 91 80 553 4043  
✉ kvki@iia.ernet.in

**Iyengar Srinivasan Rama**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 0672  
☎ 91 80 553 4043

**Iyer B R**  
RRI  
Sadashivanagar  
CV Raman Av  
Bangalore 560 080  
India  
☎ 91 80 336 0122  
☎ 91 80 334 0492

**Izotov Yuri**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
☎ 380 4426 62147

**Izumiura Hideyuki**  
Astronomy Dpt  
Tokyo Gakugei Univ  
Nukuikita 4 1 1  
Koganei Tokyo 184  
Japan  
☎ 81 423 25 2111 \*2680  
☎ 81 423 24 9832  
✉ izumiura@yamabuki.u-  
gakugei.ac.jp

**Izvekov Vladimir A**  
Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
191187 St Petersburg  
Russia  
☎ 7 812 272 40 23  
☎ 7 812 272 7968



## J

**Jaakkola Toivo S**  
Helsinki Univ  
Observ  
Box 14  
FIN 00014 Helsinki  
Finland  
☎ 358 19 12 2907  
① 358 19 12 2952

**Jabbar Sabeh Rhaman**  
SARC  
Scientific Res Council  
Box 2441  
Jadiriya Baghdad  
Iraq  
☎ 964 1 776 5127

**Jabir Niama Lafta**  
SARC  
Scientific Res Council  
Box 2441  
Jadiriya Baghdad  
Iraq  
☎ 964 1 776 5127

**Jablunka Pascale**  
Observ Paris Meudon  
DAEC  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 4 45 07 7419  
① 33 4 45 07 7469  
✉ jablunka@gin.obspm.fr

**Jablonski Francisco**  
INPE  
Dpt Astronomia  
CP 515  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 123 41 8977  
① 55 123 21 8743

**Jackisch Gerhard**  
Zntrlnst Astrophysik  
Sternwarte Sonneberg  
an d Sternwarte 16  
D 96515 Sonneberg  
Germany  
☎ 49 96 74 2287

**Jackson Bernard V**  
CASS  
UCSD  
C 011  
La Jolla CA 92093 0216  
USA  
☎ 1 619 534 3358  
① 1 619 534 2294

**Jackson John Charles**  
16 The Park  
Newark NG24 1SQ  
UK

**Jackson Neal**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
① 44 147 757 1618  
✉ njj@jb.man.ac.uk

**Jackson Paul**  
Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 345 3600  
① 43 1 470 6015

**Jackson Peter Douglas**  
Hughes STX Corp  
7601 Ora Glen Dr  
Suite 100  
Greenbelt MD 20770  
USA  
☎ 1 301 513 7735  
① 1 301 513 7726  
✉ jackson@tonga.gsfc.  
nasa.gov

**Jackson William M**  
Chemistry Dpt  
Univ of California  
Room 214  
Davis CA 95616  
USA  
☎ 1 916 752 0503

**Jacobs Kenneth C**  
Physics Dpt  
Hollins College  
Box 9661  
Roanoke VA 24020  
USA  
☎ 1 703 362 6478

**Jacobsen Theodor S**  
Astronomy Dpt  
Univ of Washington  
12501 Greenwood Av NC117  
Seattle WA 98195 1580  
USA

**Jacobson Robert A**  
CALTECH/JPL  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 7201  
① 1 818 393 6030  
✉ raj@murphy.jpl.nasa.gov

**Jacoby George H**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 325 9292  
① 1 520 325 9360  
✉ gjacoby@noao.edu

**Jacq Thierry**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 57 77 6163  
① 33 5 57 77 6155  
✉ jacq@observ.u-bordeaux.fr

**Jacquinet Pierre**  
Laboratoire Aime Cotton  
Bt 505  
Universite Paris XI  
F 91405 Orsay Cdx  
France

**Jaeger Friedrich W**  
Zntrlnst Astrophysik  
Sternwarte Babelsberg  
Rosa Luxemburg Str 17a  
D 14473 Potsdam  
Germany  
☎ 49 331 762225

**Jaffe Daniel T**  
Space Sci Laboratory  
Univ of California  
Grizzly Peak Blvd  
Berkeley CA 94720 7950  
USA  
☎ 1 415 642 1930  
✉ dtj@astro.as.utexas.edu

**Jaffe Walter Joseph**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5862  
① 31 71 527 5819  
✉ jaffe@strw.leidenuniv.nl

**Jahn Krzysztof**  
Astronomical Observ  
Warsaw Univ  
Al Ujazdowskie 4  
PL 00 478 Warsaw  
Poland  
☎ 48 22 29 4011  
① 48 22 629 4967  
✉ crj@astrouw.edu.pl

**Jahreiss Hartmut**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 5119  
① 49 622 140 5297  
✉ s12@ix.uni-heidelberg.de

**Jain Rajmal**  
Udaipur Solar Observ  
11 Vidya Marg  
Udaipur 313 001  
India  
☎ 91 25 626/27 457

**Jakimiec Jerzy**  
Astronomical Institute  
Wroclaw Univ  
Ul Kopernika 11  
PL 51 622 Wroclaw  
Poland  
☎ 48 71 372 9373/74  
① 48 71 372 9378

**Jakobsen Peter**  
ESA/ESTEC  
SSD  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 6555  
① 31 71 565 4532

**Jamar Claude A J**  
Centre Spatial d Liege  
Universite Liege  
Av du Pre-Aily  
B 4031 Angleur Liege  
Belgium  
☎ 32 4 367 6668  
① 32 4 367 5613  
✉ cjamar@astro.ulg.ac.be

**James John F**  
Schuster Laboratory  
Univ Manchester  
Oxford Rd  
Manchester M13 9PL  
UK  
☎ 44 161 275 4224  
① 44 161 275 4223

**James Richard A**  
Astronomy Dpt  
Univ Manchester  
Oxford Rd  
Manchester M13 9PL  
UK  
☎ 44 161 275 4224  
① 44 161 275 4223

**Jameson Richard F**  
Astronomy Dpt  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
① 44 113 252 2200

**Janes Kenneth A**  
Astronomy Dpt  
Boston Univ  
725 Commonwealth Av  
Boston MA 02215  
USA  
☎ 1 617 353 2627  
① 1 617 353 3200

**Janiczek Paul M**  
USNO  
3450 Massachusetts Av NW  
Washington DC 20392 5100  
USA  
☎ 1 202 653 1569  
✉ pmj@ceres.usno.navy.mil

**Janka Hans Thomas**  
Astronomy/Astrophys Ctr  
Univ of Chicago  
5640 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 702 7853  
① 1 312 702 6645  
✉ thomas@granta.  
uchicago.edu

**Jankovics Istvan**  
Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
① 36 1 275 4668

**Jannuzi Buell Tomasson**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 318 8353  
① 1 520 318 8360  
✉ bjannuzi@noao.edu

**Janot-Pacheco Eduardo**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
① 55 11 276 3848

**Janssen Michael Allen**  
CALTECH/JPL  
MS 183 301  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 213 354 7247  
① 1 818 393 6030

**Jardine Moira Mary**  
Dpt Phys/Astronomy  
Univ of St Andrews  
St Andrews North Haugh  
Fife KY16 9SS  
UK  
☎ 44 13 34 7661  
① 44 13 347 4487  
✉ mmj@uk.ac.sussex.starlink

**Jaroszynski Michal**  
Astronomical Observ  
Warsaw Univ  
Al Ujazdowskie 4  
PL 00 478 Warsaw  
Poland  
☎ 48 22 29 4011  
① 48 22 29 4697

**Jarrett Alan H**  
Boydens Observ  
Box 334  
9300 Bloemfontein  
South Africa  
☎ 27 51 37605

**Jarzewski Tadeusz**  
Ul Jelenia 28/31  
PL 54 242 Wroclaw  
Poland

**Jaschek Carlos O R**  
39 Teso d l FERIA 481  
E 37008 Salamanca  
Spain  
① 34 23 21 6884  
✉ jaschek@arrakis.es

**Jasniewicz Gerard**  
GRAAL  
Univ Montpellier II  
Pl E Bataillon  
F 34095 Montpellier Cdx 5  
France  
☎ 33 4 67 14 3567  
① 33 4 67 14 4535

**Jassur Davoud MZ**  
Dpt Th Phys/Astrophys  
Univ of Tabriz  
Tabriz 51664  
Iran  
☎ 98 41 307841  
① 98 41 341 244  
✉ tabriz\_u@rose.ipm.  
ac.ir

**Jastrow Robert**  
Inst Space Studies  
2880 Broadway  
New York NY 10025  
USA  
☎ 1 212 678 5611

**Jatenco-Pereira Vera**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
① 55 11 276 3848  
✉ jatenco@vax.iagusp.usp.br

**Jauncey David L**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
① 61 2 868 0310  
✉ djauncey@atnf.csiro.au

**Jayanthi Udaya B**  
INPE  
Dpt Astronomia  
CP 515  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 123 41 8977\*392  
① 55 123 21 8743

**Jayarajan A P**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585  
① 91 80 553 4043

**Jedamzik Karsten**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 3207  
① 49 893 299 3235  
✉ jedamzik@mpa-  
garching.mpg.de

**Jefferies Stuart**  
NOAO/NSO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 323 4182  
① 1 520 325 9278  
✉ stuartj@noao.edu

**Jefferis Stanley**  
Cress Physics Dpt  
York Univ  
4700 Keele St  
Downsview ON M3J 1P3  
Canada  
☎ 1 416 667 3851

**Jeffery Christopher S**  
Armagh Observ  
College Hill  
Armagh BT61 9DG  
UK  
☎ 44 18 61 522 928  
① 44 18 61 527174  
✉ csj@star.arm.ac.uk

**Jefferys William H**  
Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 4455  
① 1 512 471 6016  
✉ bill@astro.as.utexas.edu

**Jenkins Charles R**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
① 44 12 23 374 700  
✉ crj@ast.cam.ac.uk

**Jenkins Edward B**  
Princeton Univ Obs  
Peyton Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 452 3826  
① 1 609 258 1020  
✉ ebj@astro.princeton.edu

**Jenkins Louise F**  
Astronomy Dpt  
Yale Univ  
Box 208101  
New Haven CT 06520 8101  
USA  
☎ 1 203 432 3000  
① 1 203 432 5048

**Jenkner Helmut**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 401 338 4842  
① 1 401 338 5090  
✉ jenkner@stsci.edu

**Jenner David C**  
Astrosoft Corporation  
3153 Ne 84th St  
Seattle WA 98115 4717  
USA  
☎ 1 425 527 2018  
① 1 425 527 2019  
✉ davej@astrosoft.com

**Jennings R E**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050  
① 44 171 380 7145

**Jenniskens Petrus Matheus Marie**  
NASA/ARC  
SETI  
MS 239 4  
Moffett Field CA 94035 1000  
USA  
☎ 1 650 604 3086  
① 1 650 604 1088  
✉ peter@max.arc.nasa.gov

**Jennison Roger C**  
Electronics Lab  
Univ of Kent  
Canterbury CT2 7NT  
UK  
☎ 44 12 27 668 22  
① 44 12 27 456 084

**Jensch A**  
Pestalozzistr 9  
D 07700 Jena  
Germany

**Jensen Eberhart**  
Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway  
☎ 47 22 856 501  
① 47 22 856 505

**Jeong Jang Hae**  
Dpt Astronomy/Space Sci  
Chungbuk Ntl Univ  
San 48 Gaeshin Dong  
Cheongju 360 763  
Korea RP  
☎ 82 431 61 2313  
① 82 431 67 4232  
✉ jeongjh@astro.  
chungbuk.ac.kr

**Jerjen Helmut**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 6 279 8038  
① 61 6 249 0233  
✉ jerjen@mso.anu.edu.au

**Jerzykiewicz Mikolaj**  
Astronomical Institute  
Wroclaw Univ  
Ul Kopernika 11  
PL 51 622 Wroclaw  
Poland  
☎ 48 71 372 9373/74  
① 48 71 372 9378  
✉ mjerz@astro.uni.  
wroc.pl

**Jewell Philip R**  
NRAO  
Campus Bg 65  
949 N Cherry Av  
Tucson AZ 85721 0655  
USA  
☎ 1 520 882 8250  
① 1 520 882 7955

**Ji Hongqing**  
Intl Latitude Observ  
Tianjin  
China PR

**Ji Shuchen**  
Box 110 Kunming  
Yunnan Province  
Yunnan  
China PR  
☎ 86 72 946

**Jiang Chongguo**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
① 86 871 717 1845

**Jiang Dongrong**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Jiang Shengtao**  
4 491 West St  
Brantford ONT N3T SR7  
Canada  
✉ sjiang@bfree.on.ca

**Jiang Shi-Yang**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Jiang Shuding**  
Graduate School  
Univ Sci/Techn  
Box 3908  
Beijing 100039  
China PR  
☎ 86 1 81 7031\*253

**Jiang Xiaoyuan**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618  
✉ jiangxiaoyuan@  
ihw.com.cn

**Jiang Yaotiao**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 34151  
① 86 25 330 2728

**Jiang Zhaoji**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Jimenez Mancebo A J**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117  
✉ ajm@ill.iac.es

**Jin Biaoren**  
Inst Geodesy/  
Geophysics  
Xu Dong Lu  
Wuhan 430077  
China PR  
☎ 86 87 5571

**Jin Shenzeng**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Jin Wenjing**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618  
✉ jwj@center.shao.ac.cn

**Jockers Klaus**  
MPI Aeronomie  
Max Planck Str 2  
Postfach 20  
D 37189 Katlenburg Lindau  
Germany  
☎ 49 555 697 9293  
① 49 555 697 9240  
✉ jockers@linx1.dnet.  
gwg.de

**Joensch-Soerensen Helge**  
Astronomical Observ, NBIFAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 325 933  
① 45 35 325 989  
✉ helge@astro.ku.dk

**Joersaeter Steven**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjoebaden  
Sweden  
☎ 46 8 716 4463  
① 46 8 717 4719  
✉ steven@astro.su.se

**Joeveer Mihkel**  
Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia  
☎ 372 7 410 469  
① 372 7 410 205  
✉ mihkel@aai.ee

**Jog Chanda J**  
Physics Dpt  
IISc  
Bangalore 560 012  
India  
☎ 91 80 334 4411

**Johansen Karen T**  
Astronomical Observ, NBIFAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5928  
① 45 35 32 5989  
✉ karen@astro.ku.dk

**Johansson Lars Erik B**  
Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5564  
① 46 31 772 5550  
✉ leb@oso.chalmers.se

**Johansson Lennart**  
Astronomical Observ  
Box 515  
S 755 91 Uppsala  
Sweden  
☎ 46 18 51 1274  
① 46 18 52 7583

**Johansson Svereric**  
Physics Dpt  
Univ of Lund  
Soelvegatan 14  
S 223 62 Lund  
Sweden  
☎ 46 46 222 6097  
① 46 46 222 4709  
✉ atomsej@seldc52

**Johnson Donald R**  
NBS  
Bg 221 Rm A363  
Gaithersburg MD 20899  
USA  
☎ 1 301 921 2828

**Johnson Fred M**  
Physics/Astronomy Dpt  
California State Univ  
Fullerton CA 92634  
USA  
☎ 1 714 773 3366  
① 1 714 449 5810

**Johnson Hollis R**  
Astronomy Dpt  
Indiana Univ  
Swain W 319  
Bloomington IN 47405  
USA  
☎ 1 812 335 4172  
① 1 812 855 8725

**Johnson Hugh M**  
1017 Newell Rd  
Palo Alto CA 94303  
USA  
☎ 1 415 326 7223

**Johnson Torrence V**  
CALTECH/JPL  
MS 183 601  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 2761  
① 1 818 393 6030

**Johnston Kenneth J**  
USNO  
Scientific director  
3450 Massachusetts Av NW  
Washington DC 20392 5420  
USA  
☎ 1 202 653 1513  
① 1 202 653 1497  
✉ kji@astro.usno.navy.mil

**Johnstone Roderick**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 510  
① 44 12 23 337 523  
✉ rmj@mail.ast.cam.ac.uk

**Jokipii J R**

Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 4256  
☎ 1 520 621 4933

**Joly Francois**

Univ Bordeaux  
Lab Astrophysique  
123 r Lamartine  
F 33405 Talence  
France  
☎ 33 5 56 86 4330  
☎ 33 5 56 40 4251

**Joly Monique**

Observ Paris Meudon  
DAES  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7441  
☎ 33 1 45 07 7971

**Jonas Justin Leonard**

Dpt Phys/Electronics  
Rhodes Univ  
Box 94  
6140 Grahamstown  
South Africa  
☎ 27 461 318 454/318 450  
☎ 27 461 250 49

**Joncas Gilles**

Dpt d Physique  
Universite Laval  
Ste Foy QC G1K 7P4  
Canada  
☎ 1 418 656 2652  
☎ 1 418 656 2040  
✉ joncas@phy.ulaval.ca

**Jones Albert F**

31 Ranui Rd  
Stoke  
Nelson  
New Zealand  
☎ 64 54 73 905

**Jones Barbara**

CASS  
UCSD  
C 011  
La Jolla CA 92093 0216  
USA  
☎ 1 714 452 4474  
☎ 1 619 534 2294

**Jones Barrie W**

Physics Dpt  
The Open University  
Walton Hall  
Milton Keynes MK7 6AA  
UK  
☎ 44 190 865 3378  
☎ 44 190 865 3744  
✉ bw\_jones@uk.ac.open.acs.vax

**Jones Bernard J T**

Warren House  
1 East Pilgrim's Way  
Otford Kent TN14 5RJ  
UK  
☎ 44 195 952 5321  
☎ 44 195 952 2407

**Jones Burton**

Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 459 2384  
☎ 1 831 426 3115  
✉ jones@uclick.org

**Jones Dayton L**

CALTECH/JPL  
MS 238 332  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 7774  
☎ 1 818 393 6030  
✉ dj@billac.jpl.nasa.gov

**Jones Derek H P**

Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
☎ 44 12 23 374 700  
✉ dhjp@ast.cam.ac.uk

**Jones Eric M**

LANL  
MS F665  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 6386  
☎ 1 505 665 4055

**Jones Frank Culver**

NASA GSFC  
Code 665  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5506  
☎ 1 301 286 3391  
✉ jones@lheavx.gsfc.nasa.gov

**Jones Harrison Price**

NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 325 9354  
☎ 1 520 325 9360

**Jones James**

Dpt Phys/Astronomy  
Univ W Ontario  
London ON N6A 3K7  
Canada  
☎ 1 519 661 3283\*6452  
☎ 1 519 661 2033  
✉ jimeteor@uwovax.uwo.ca

**Jones Janet E**

Warren House  
1 East Pilgrim's Way  
Otford Kent TN14 5RJ  
UK  
☎ 45 195 952 2407  
☎ 45 195 952 5321  
✉ janet@astrag.demon.co.uk

**Jones Michael**

MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 363  
☎ 44 12 23 354 599  
✉ mike@mrao.cam.ac.uk

**Jones Paul**

School of Physics  
UNSW  
Box 10  
Kingswood NSW 2747  
Australia  
☎ 61 47 360 437  
☎ 61 47 360 779  
✉ p.jones@st-nepcan.uws.edu.au

**Jones Thomas Walter**

School Phys/Astronomy  
Univ Minnesota  
116 Church St SE  
Minneapolis MN 55455  
USA  
☎ 1 612 624 8546  
☎ 1 612 626 2029  
✉ twj@astl.spa.umn.edu

**Jopek Tadeusz Jan**

Astronomical Observ  
A Mickiewicz Univ  
Ul Sloneczna 36  
PL 60 286 Poznan  
Poland  
☎ 48 61 67 9670  
☎ 48 61 53 6536  
✉ jopek@phys.amu.edu.pl

**Jordan Carole**

Dpt Th Physics  
Univ of Oxford  
1 Keble Rd  
Oxford OX1 3NP  
UK  
☎ 44 186 527 3999  
☎ 44 186 527 3947  
✉ c.jordan1@physics.oxford.ac.uk

**Jordan H L direktor**

Inst Plasmaphysik  
Kernforschungsanlage  
Juelich GmbH Pf 365  
D 5170 Juelich 1  
Germany

**Jordan Stefan**

Inst Theor Phys/  
Sternwarte Univ Kiel  
Olshausenstr 40  
D 24098 Kiel  
Germany  
☎ 49 431 880 4105  
☎ 49 431 880 4100  
✉ pas58@rz-uni-kiel.d400.de

**Jordan Stuart D**

NASA GSFC  
Code 682  
Greenbelt MD 20771  
USA  
☎ 1 301 286 7672  
☎ 1 301 286 1617

**Jorden Paul Richard**

Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
☎ 44 12 23 374 700  
✉ prj@mail.ast.cam.ac.uk

**Jordi Carne**

Dpt Astronom Meteo  
Univ Barcelona  
Avd Diagonal 647  
E 08028 Barcelona  
Spain  
☎ 34 3 402 1126  
☎ 34 3 402 1133  
✉ carne@mizar.am.ub.es

**Jorgensen Henning E**

Astronomical Observ, NBIfAFG  
Copenhagen Univ  
Blegdamsvej 17  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 3995  
☎ 45 35 32 5989  
✉ henning@astro.ku.dk

**Jorgensen Inger**

McDonald Observ  
Univ of Texas  
Rim 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 3464  
☎ 1 512 471 6016  
✉ inger@astro.as.utexas.edu

**Jorgensen Uffe Graae**

Astronomical Observ, NBIfAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 12 5998  
☎ 45 35 32 5989  
✉ uffegi@nbivax.nbi.dk

**Jorissen Alain**

Inst Astrophysique  
Univ Bruxelles  
Campus Plaine CP 226  
B 1050 Brussels  
Belgium  
☎ 32 2 650 2834  
☎ 32 2 650 4226  
✉ ajorisse@astro.ulb.ac.be

**Joselyn Jo Ann c**

NOAA ERL R/E/SE2  
Space Environment Lab  
325 Broadway  
Boulder CO 80303  
USA  
☎ 1 303 497 5147

**Joseph Charles Lynn**  
Dpt Astrophysical Sci  
Princeton Univ  
Princeton NJ 08544 1001  
USA  
☎ 1 609 258 3808  
① 1 609 258 1020  
✉ clj@astro.princeton.edu

**Joseph J H**  
Dpt Geophys/Planet Sci  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 642 0633  
① 972 3 640 9282

**Joseph Robert D**  
Astrophysics Gr  
Imperial Coll  
Prince Consort Rd  
London SW7 2BZ  
UK  
☎ 44 171 594 7771  
① 44 171 594 7772

**Joshi Mohan N**  
TIFR/Radio Astronomy Ctr  
Box 8  
Udhagamandalam 643 001  
India  
☎ 91 423 2032

**Joshi Suresh Chandra**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 422136

**Joshi U.C**  
PRL  
Navrangpura  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
① 91 272 44 5292  
✉ joshi@prl.ernet.in

**Joss Paul Christopher**  
Physics Dpt  
MIT Rm 6 203  
Box 165  
Cambridge MA 02139 4307  
USA  
☎ 1 617 253 4845  
① 1 617 253 9798  
✉ joss@mitins.mit.edu

**Joubert Martine**  
LAS  
Traverse du Siphon  
Les Trois Lucs  
F 13376 Marseille Cdx 12  
France  
☎ 33 4 91 05 5900  
① 33 4 91 66 1855  
✉ joubert@frlasm51

**Jourdain de Muizon M**  
ESA  
Apt 50727 Villafranca  
E 28080 Madrid  
Spain  
☎ 34 1 813 1100  
① 34 1 813 1139

**Journet Alain**  
OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 36 5849  
① 33 4 93 40 5353

**Jovanovic Bozidar**  
Fac of Agriculture  
Inst Waterranging  
Veljka Vlahovica 2  
21000 Novi Sad  
Yugoslavia FR  
☎ 381 215366

**Joy Marshall J**  
NASA/MSFC  
Space Science Lab  
Code ES 65  
Huntsville AL 35812  
USA  
☎ 1 205 544 3423  
① 1 205 544 7754  
✉ joy@ssl.msfc.nasa.gov

**Judge Philip**  
HAO  
NCAR  
Box 3000  
Boulder CO 80307 3000  
USA  
☎ 1 303 497 1000  
① 1 303 497 1568

**Jugaku Jun**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
① 81 422 34 3793

**Juliusson Einar**  
Menntaskolinn  
IS 840 Laugarvatni  
Iceland  
☎ 354 86 1133

**Jung Jean**  
22 r Briant  
F 92260 Fontenay aux Roses  
France

**Junkes Norbert**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 399  
① 49 228 525 229  
✉ njunkes@mpifr-bonn.mpg.de

**Junkkarinen Vesa T**  
CASS  
UCSD  
C 011  
La Jolla CA 92093 0216  
USA  
☎ 1 619 534 0735  
① 1 619 534 2294

**Jupp Alan H**  
Dpt Appl Maths/Theor Phys  
Univ of Liverpool  
Box 147  
Liverpool L69 3BX  
UK  
☎ 44 151 709 6022  
① 44 151 708 6502

**Jura Michael**  
Dpt Astronomy/Phys  
UCLA  
Los Angeles CA 90095 1562  
USA  
☎ 1 213 825 4302  
① 1 213 206 2096  
✉ jura@clotho.astro.ucla.edu

**Jurgens Raymond F**  
CALTECH/JPL  
MS 238 420  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 4974  
① 1 818 393 6030

**Just Andreas**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 5129  
① 49 622 140 5297  
✉ s38@mvs.urz.uni-heidelberg.de

**Juszkiewicz Roman**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
① 48 22 410 046

## K

**Kaastra Jelle S**

SRON  
Postbus 800  
Sorbonnelaan 2  
NL 3584 CA Utrecht  
Netherlands  
☎ 31 30 253 8570  
☎ 31 30 254 0860  
✉ J.kaastra@sron.ruu.nl

**Kaburaki Osamu**

Astron Institute  
Tohoku Univ  
Aramaki Aoba  
Sendai 980  
Japan  
☎ 81 206 543 2888  
☎ 81 222 61 2860  
✉ okabu@astroa.astr.  
tohoku.ac.jp

**Kaburaki Osamu**

Astronomical Institute  
Tohoku Univ  
Aramaki Aoba  
Sendai 980  
Japan  
☎ 81 22 222 1800  
☎ 81 222 61 2806  
✉ okabu@astroa.astr.  
tohoku.ac.jp

**Kadla Zdenka I**

Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
☎ 7 812 315 1701  
✉ kadla@pulkovo.spb.su

**Kadouri Talib Hadi**

SARC  
Scientific Res Council  
Box 2441  
Jadiriya Baghdad  
Iraq  
☎ 964 1 776 5127

**Kaehler Helmut**

Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4112  
☎ 49 407 252 4198

**Kafatos Minas**

Physics Dpt  
George Mason Univ  
4400 University Dr  
Fairfax VA 22030  
USA  
☎ 1 703 993 1997  
☎ 1 703 993 1980  
✉ mkafatos@compton.  
gmu.edu

**Kafka Peter**

MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 00  
☎ 49 893 299 3235

**Kaftan May A**

1432 Corcoran St NW  
Apt 2  
Washington DC 20009  
USA

**Kahabka Peter**

Astronomical Institute  
Univ of Amsterdam  
Kruislaan 403  
NL 1098 SJ Amsterdam  
Netherlands  
☎ 31 20 525 7476  
☎ 31 20 525 7484  
✉ ptk@astro.uva.nl

**Kahane Claudine**

Observ Grenoble  
Lab Astrophysique  
BP 53x  
F 38041 S Martin Heres Cdx  
France  
☎ 33 4 76 51 4600  
☎ 33 4 76 44 8821  
✉ kahane@frgag51

**Kahler Stephen W**

USAF Phillips Lab/GPSG  
Boston College  
Hanscom AFB MA 01731 3010  
USA  
☎ 1 617 377 9665  
☎ 1 617 377 3160  
✉ kahler@plh.af.mil

**Kahlmann Hans Cornelis**

Radio Observ Westerbork  
Schattenberg 1  
NL 9433 TA Zwiggelte  
Netherlands  
☎ 31 59 39 2421  
☎ 31 59 39 2486  
✉ kahlmann\_hans@nra.nl

**Kahn Franz D**

Astronomy Dpt  
Univ Manchester  
Oxford Rd  
Manchester M13 9PL  
UK  
☎ 44 161 275 4224  
☎ 44 161 275 4223

**Kaifu Norio**

Subaru Telescope  
NAOJ  
650 N A'Ohoku Place  
Hilo HI 96720  
USA  
☎ 1 808 934 5910  
☎ 1 808 934 5984  
✉ kaifu@subaru.naoj.org

**Kaitchuck Ronald H**

Dpt Phys/Astronomy  
Ball State Univ  
Muncie IN 47306  
USA  
☎ 1 317 285 8860  
☎ 1 317 285 1624

**Kajino Toshitaka**

Ntl Astronomical Obs  
Mitaka  
Tokyo 188  
Japan  
☎ 81 422 34 3740  
☎ 81 422 34 3746  
✉ kajino@nao.ac.jp

**Kakinuma Takakiyo T**

Inst Atmospheric Res  
Nagoya Univ  
3-13 Honohara  
Toyokawa Aichi 442  
Japan  
☎ 81 533 86 3154  
☎ 81 533 86 0811

**Kakuta Chuichi**

105 88 Onigoe  
Shirakawa  
Fukushima 961  
Japan  
☎ 81 248 24 3321  
☎ 81 248 24 3321

**Kalafi Manoucher**

Ctr for Astron Res  
Univ of Tabriz  
Tabriz 51664  
Iran  
☎ 98 41 32564

**Kalandadze N B**

Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
☎ 995 88 32 98 5017

**Kalberla Peter**

RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 73 3645  
☎ 49 228 73 3672  
✉ pkalberl@astro.uni-bonn.de

**Kalenchenko Valentin**

Astronomical Observ  
Taras Shevchenko Univ  
3 Observatorna Str  
Kyiv 254 053  
Ukraine  
☎ 380 4421 62762  
☎ 380 4421 62630  
✉ kalench@aoku.freenet.  
kiev.ua

**Kaler James B**

Dpt Astron/Physics  
Univ of Illinois  
1002 W Green St  
Urbana IL 61801  
USA  
☎ 1 217 333 9382  
☎ 1 217 244 7638

**Kalinkov Marin P**

Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
☎ 359 2 75 5019

**Kalkofen Wolfgang**

CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7285  
☎ 1 617 495 7049  
✉ wolf@cfa.harvard.edu

**Kalloglian Arsen T**

Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640

**Kalman Bela**  
Debreceen Heliophys Observ  
Acad Sciences  
Box 30  
H 4010 Debreceen  
Hungary  
☎ 36 5 231 1015

**Kalmykov A M**  
Astronomical Institute  
Uzbek Acad Sci  
Astronomicheskaya Ul 33  
700000 Tashkent  
Uzbekistan  
☎ 7 3712 35 8102

**Kalnajs Agris J**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 881 111\*248  
☎ 61 262 490 233  
✉ agris@mso.anu.oz

**Kaltcheva Nadia**  
Astronomy Dpt  
Univ of Sofia  
Anton Ivanov St 5  
BG 1126 Sofia  
Bulgaria  
☎ 359 2 54 4852  
☎ 359 2 68 9085

**Kaluzny Janusz**  
Astronomical Observ  
Warsaw Univ  
Al Ujazdowskie 4  
PL 00 478 Warsaw  
Poland  
☎ 48 22 29 4011  
☎ 48 22 29 4697

**Kambe Eiji**  
Dpt Geoscience  
Ntl Defence Academy  
Yokosuka  
Kanagawa 239  
Japan  
☎ 81 468 41 3810  
☎ 81 468 44 5902  
✉ kambe@apsgw.aps.  
seikei.ac.jp

**Kamel Osman M.**  
Astronomy Dpt  
Fac of Sciences  
Cairo Univ  
Geza  
Egypt  
☎ 20 2 572 7022  
☎ 20 2 572 7556

**Kameya Osamu**  
NAOJ  
MAO  
2-12 Hoshigaoka  
Mizusawa Iwate 023  
Japan  
☎ 81 197 22 7153  
☎ 81 197 22 7120  
✉ kameya@miz.nao.ac.jp

**Kamijo Fumio**  
Astronomy Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 381 22 111  
☎ 81 338 13 9439

**Kaminishi Keisuke**  
Physics Dpt  
Kumamoto Univ  
2-39-1 Kurokami  
Kumamoto 860  
Japan  
☎ 81 963 44 2111

**Kammeyer Peter C**  
USNO  
3450 Massachusetts Av NW  
Washington DC 20392 5100  
USA  
☎ 1 202 762 1428  
☎ 1 202 762 1516

**Kamp Lucas Willem**  
Astronomy Dpt  
Boston Univ  
725 Commonwealth Av  
Boston MA 02215  
USA  
☎ 1 617 353 2625  
☎ 1 617 353 3200

**Kammer Karl W**  
David Dunlap Observ  
Univ of Toronto  
Box 360  
Richmond Hill ON L4C 4Y6  
Canada  
☎ 1 416 884 9562  
☎ 1 416 978 3921

**Kanamitsu Osamu**  
Dpt Earth Sci/Astron  
Fukuoka Univ of Edu  
729-1 Akama Munakata  
Fukuoka 811 41  
Japan  
☎ 81 940 358 1365  
☎ 81 940 33 7730  
✉ kanamitsu@fukuoka-  
edu.ac.jp

**Kanayev Ivan I**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4401  
☎ 7 812 123 1922  
✉ ivan@kanaev.spb.su

**Kanbach Gottfried**  
MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 3544  
☎ 49 893 299 3606  
✉ gok@mpe.mpg.de

**Kanbur Shashi**  
Dpt Phys/Astronomy  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855\*4268  
☎ 44 141 334 9029  
✉ shash@astro.gla.ac.uk

**Kandalian Rafik A**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640  
✉ rkandali@helios.sci.am

**Kandel Robert S**  
LMD  
Ecole Polytechnique  
F 91128 Palaiseau Cdx  
France  
☎ 33 1 69 41 8200

**Kandemir Guelcin**  
Istanbul Technical Univ  
Fen Fakultesi Fizik B  
Maslak  
34452 Istanbul  
Turkey  
☎ 90 212 609 109  
☎ 90 212 519 0834

**Kandpal Chandra D**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136/2325

**Kandrup Henry Emil**  
Astronomy Dpt  
Univ of Florida  
211 SSRB  
Gainesville FL 32611  
USA  
☎ 1 904 392 2681  
☎ 1 904 392 9741  
✉ kandrup@astro.ufl.edu

**Kane Shara R**  
Space Sci Laboratory  
Univ of California  
Grizzly Peak Blvd  
Berkeley CA 94720 7950  
USA  
☎ 1 415 642 1719

**Kaneko Noboru**  
Physics Dpt  
Hokkaido Univ  
Kita 10 Nishi 8  
Sapporo 060  
Japan  
☎ 81 117 16 2111  
☎ 81 222 85 132

**Kang Gon Ik**  
Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Kang Jin Sok**  
Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Kang Yong Hee**  
Dpt Earth Science/Ed  
Kyungpook Ntl Univ  
Taegu  
Korea RP  
☎ 82 539 50 5916  
☎ 82 539 50 5946  
✉ yhkang@bh.kyungpook.ac.kr

**Kang Young Woon**  
Dpt Earth Science  
King Sejong Univ  
89 Koonja-dong  
Seoul Sungdong 133 747  
Korea RP  
☎ 82 467 51 21

**Kanyo Sandor**  
Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
☎ 36 1 275 4668

**Kapahi Vijay K**  
NCRA/TIFR  
Pune Univ Campus Pb 3  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 35 6105  
☎ 91 212 35 5149  
✉ vijay@gmrt.ernet.in

**Kapisinsky Igor**  
Astronomical Institute  
Slovak Acad Sci  
Dubravska 9  
SK 842 28 Bratislava  
Slovak Republic  
☎ 421 7 37 5157  
☎ 421 7 37 5157

**Kaplan George H**  
USNO  
3450 Massachusetts Av NW  
Washington DC 20392 5420  
USA  
☎ 1 202 762 1562  
☎ 1 202 762 1612  
✉ gkapla@usno.navy.mil

**Kaplan J**  
Dpt Astronomy/Phys  
UCLA  
Box 951562  
Los Angeles CA 90025 1562  
USA  
☎ 1 310 825 4434  
☎ 1 310 206 2096

**Kaplan Lewis D**  
Atmosph/Environmental  
Research Inc  
840 Memorial Dr  
Cambridge MA 02139  
USA  
☎ 1 617 547 6207

**Kapoor Ramesh Chandar**  
 IIA  
 Koramangala  
 Sarjapur Rd  
 Bangalore 560 034  
 India  
 ☎ 91 80 356 6585  
 ☎ 91 80 553 4043

**Karaali Salih**  
 Univ Observ  
 Univ of Istanbul  
 University 34452  
 34452 Istanbul  
 Turkey  
 ☎ 90 212 522 4200\*610  
 ☎ 90 212 519 0834

**Karachentsev Igor D**  
 SAO  
 Acad Sciences  
 Nizhnij Arkhyz  
 357147 Karachaevo  
 Russia  
 ☎ 7 878 789 2501  
 ✉ ikar@luna.sao.ru

**Karachentseva Valentina**  
 Astronomical Observ  
 Kyiv State Univ  
 Observatorna Str 3  
 254053 Kyiv  
 Ukraine  
 ☎ 380 4421 61994  
 ✉ aoku@gluk.apc.org

**Karas Vladimir**  
 Astronomical Institute  
 Charles Univ  
 V Holesovickack 2  
 CZ 180 00 Praha 8  
 Czech R  
 ☎ 420 2 2191 2572  
 ☎ 420 2 688 5095  
 ✉ karas@mbox.cesnet.cz

**Kardashev Nicolay S**  
 Astro Space Ctr  
 Lebedev Physical Inst  
 Profsoyuznaya 84/32  
 117810 Moscow  
 Russia  
 ☎ 7 095 333 2378  
 ☎ 7 095 333 2378/310 7023  
 ✉ nkardash@dpc.asc.rssi.ru

**Karetnikov Valentin G R**  
 Astronomical Observ  
 Odessa State Univ  
 Shevchenko Park  
 270014 Odessa  
 Ukraine  
 ☎ 380 4822 20356  
 ☎ 380 4822 28442  
 ✉ baby@paco.net

**Karitskaya Eugenia A**  
 SAI  
 Acad Sciences  
 Universitetskij Pr 13  
 119899 Moscow  
 Russia  
 ☎ 7 095 939 1616  
 ☎ 7 095 230 2081  
 ✉ karitsk@sai.msu.su

**Karlicky Marian**  
 Astronomical Institute  
 Czech Acad Sci  
 Fricova 1  
 CZ 251 65 Ondrejov  
 Czech R  
 ☎ 420 204 85 3356  
 ☎ 420 2 88 1611  
 ✉ karlicky@asu.cas.cz

**Karoji Hiroshi**  
 Tokyo Astronomical Obs  
 NAOJ  
 Osawa Mitaka  
 Tokyo 181  
 Japan  
 ☎ 81 422 41 3643  
 ☎ 81 422 41 3776  
 ✉ karoji@sxt1.mtk.nao.ac.jp

**Karovska Margarita**  
 CfA  
 HCO/SAO  
 60 Garden St  
 Cambridge MA 02138 1516  
 USA  
 ☎ 1 617 495 7347  
 ☎ 1 617 495 7356  
 ✉ karovska@cfa

**Karp Alan Hersh**  
 Hewlett Packard Co  
 Hp Labs 3u 7  
 1501 Page Mill Rd  
 Palo Alto CA 94304  
 USA  
 ☎ 1 415 857 6766  
 ☎ 1 415 857 5172  
 ✉ karp@hpl.hp.com

**Karpen Judith T**  
 NRL  
 Code 4175 K  
 4555 Overlook Av SW  
 Washington DC 20375 5000  
 USA  
 ☎ 1 202 767 3441

**Karpinskiy Vadim N**  
 Pulkovo Observ  
 Acad Sciences  
 10 Kutuzov Quay  
 196140 St Petersburg  
 Russia  
 ☎ 7 812 298 2242  
 ☎ 7 812 315 1701

**Karttunen Hannu**  
 Turku Univ  
 Tuorla Observ  
 Vaesaelaentie 20  
 FIN 21500 Piikkiö  
 Finland  
 ☎ 358 2 274 4244  
 ☎ 358 2 243 3767  
 ✉ hannu.karttunen@astro.utu.fi

**Karygina Zoya V**  
 Astrophys Inst  
 Kazakh Acad Sci  
 480068 Alma Ata  
 Kazakhstan  
 ☎ 7 62 4040

**Kashcheev B L**  
 Inst Radio Astron  
 Ukrainian Acad Science  
 4 Chervonopraporna st  
 310059 Kharkiv  
 Ukraine

**Kasper U**  
 Institut Mathematik  
 Univ Potsdam  
 am Neuen Palais 10  
 D 14469 Potsdam  
 Germany  
 ✉ ukasper@rz.uni-potsdam.de

**Kasturirangan K**  
 ISRO Satellite Ctr  
 Dpt Space  
 Vimanapura Post  
 Bangalore 560 017  
 India  
 ☎ 91 80 354 779  
 ☎ 91 82 333 2228

**Kasuga Takashi**  
 College of Eng  
 Hosei Univ  
 Kajinocho Koganei  
 Tokyo 184  
 Japan  
 ☎ 81 423 87 6244  
 ☎ 81 423 87 6123

**Kasumov Fikret K O**  
 Inst of Physics  
 Akademgorodoc  
 Narimanov Ul 33  
 370122 Baku  
 Azerbaijan  
 ☎ 994 39 6784

**Katgert Peter**  
 Leiden Observ  
 Box 9513  
 NL 2300 RA Leiden  
 Netherlands  
 ☎ 31 71 527 5817  
 ☎ 31 71 527 5833  
 ✉ katgert@strw.leidenuniv.nl

**Katgert-Merkelijn J K**  
 Rijkuniversiteit te  
 Huygens Lab  
 Box 9504  
 NL 2300 RA Leiden  
 Netherlands  
 ☎ 31 71 527 5916  
 ☎ 31 71 527 5819  
 ✉ merkelyn@strw.leidenuniv.nl

**Kato Ken-ichi**  
 Science Museum of Osaka  
 4-2-1 Nakanoshima Kita-ku  
 Osaka 530  
 Japan  
 ☎ 81 644 45 184  
 ☎ 81 644 45 657  
 ✉ kato@sci-museum.kita.osaka.jp

**Kato Mariko**  
 Keio Univ  
 Hiyoshi 4 1 1  
 Koulouku-ku  
 Yokohama 223  
 Japan  
 ☎ 81 455 63 5753  
 ☎ 81 455 63 1650  
 ✉ mariko@educ.cc.keio.ac.jp

**Kato Shoji**  
 Astronomy Dpt  
 Kyoto Univ  
 Sakyo Ku  
 Kyoto 606 01  
 Japan  
 ☎ 81 757 51 2111  
 ☎ 81 75 753 7010  
 ✉ kato@kusastro.kyoto-u.ac.jp

**Kato Takako**  
 Inst Plasma Physics  
 Nagoya Univ  
 Furocho Chikusa Ku  
 Nagoya 464 01  
 Japan  
 ☎ 81 527 81 5111  
 ☎ 81 527 89 2845

**Katz Jonathan I**  
 Physics Dpt  
 Washington Univ  
 Campus Box 1105  
 St Louis MO 63130  
 USA  
 ☎ 1 314 889 6202  
 ☎ 1 314 935 4083

**Katz Joseph**  
 Racah Inst of Phys  
 Hebrew Univ Jerusalem  
 Jerusalem 91904  
 Israel  
 ☎ 972 2 58 4604  
 ☎ 972 2 61 1519

**Kaufman Michele**  
 Physics Dpt  
 Ohio State Univ  
 174 W 18th Av  
 Columbus OH 43210 1106  
 USA  
 ☎ 1 614 422 5713

**Kaufmann Jens Peter**  
 Inst Astron/Astrofizik  
 Technische Uni  
 Hardenbergstr 36  
 D 10623 Berlin  
 Germany  
 ☎ 49 303 145 462  
 ☎ 49 303 142 3018

**Kaufmann Pierre**  
 CRAAE INPE  
 EPUSP/PTR  
 CP 61548  
 01065 970 Sao Paulo SP  
 Brazil  
 ☎ 55 11 815 9322  
 ☎ 55 11 815 4272



**Kaul Chaman**

Nuclear Res Laboratory  
Bhabha Atomic Res Ctr  
Mumbai 400 085  
India  
☎ 91 22 556 4225  
☎ 91 22 556 0750  
✉ nri@magnam.barc.ernet.in

**Kaula William M**

Dpt Earth/Space Sci  
UCLA  
Box 951567  
Los Angeles CA 90024 1567  
USA  
☎ 1 310 825 3880  
☎ 1 310 825 2779

**Kawabata Kinaki**

Physics Dpt  
Nagoya Univ  
Furocho Chikusa Ku  
Nagoya 464 01  
Japan  
☎ 81 527 89 2840  
☎ 81 527 89 2845

**Kawabata Kiyoshi**

Physics Dpt/College of Sciences  
Science Univ Tokyo  
1-3 Kagurazaka Shinjuku  
Tokyo 162  
Japan  
☎ 81 326 04 271  
✉ kawabata@rs.kagu.sut.ac.jp

**Kawabata Shusaku**

Kyoto Gakuen Univ  
NANJO  
Sogabecho Kameoka  
Kyoto 621  
Japan  
☎ 81 771 22 2001

**Kawabe Ryohei**

Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 63 4385  
☎ 81 267 63 4339  
✉ kawabe@nro.nao.ac.jp

**Kawaguchi Ichiro**

Astronomy Dpt  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 51 2111  
☎ 81 75 753 7010

**Kawaguchi Kentarou**

Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 984 301  
☎ 81 267 982 884  
✉ nrokent@nro.nao.ac.jp

**Kawai Nobuyuki**

Cosmic Radiation Lab  
RIKEN  
2 1 Hirosawa  
Wako Saitama 351 01  
Japan  
☎ 81 484 62 1111\*3226  
☎ 81 484 62 4640  
✉ nkawai@postman.riken.go.jp

**Kawaler Steven D**

Physics Dpt  
Iowa State Univ  
Ames IA 50011  
USA  
☎ 1 515 294 9728  
☎ 1 515 294 6027  
✉ sdk@iastate.edu

**Kawara Kimiaki**

Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
☎ 81 422 34 3793  
✉ kkawara@iso.vilspa.esa.es

**Kawasaki Masahiro**

Inst Cosmic Ray Res  
Univ of Tokyo  
Midori Cho  
Tanashi 188  
Japan  
☎ 81 424 69 9595  
☎ 81 424 62 3096  
✉ kawasaki@ctsun1.icrr.u-tokyo.a

**Kawata Yoshiyuki**

Kanazawa Techn Inst  
7 1 Ogigaoka  
Nonoichimachi  
Ishikawa 921  
Japan  
☎ 81 762 48 1100

**Kayser Rainer**

Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4126  
☎ 49 407 252 4198  
✉ st40010@dhhuni4

**Kazantzis Panayotis**

Mathematics Dpt  
Univ of Patras  
GR 261 10 Rion  
Greece  
☎ 30 61 99 7572  
☎ 30 61 99 7636

**Kazes Ilya**

Observ Paris Meudon  
ARPEGES  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7606  
☎ 33 1 45 07 7971

**Keay Colin S I**

Physics Dpt  
Newcastle Univ  
Newcastle NSW 2308  
Australia  
☎ 61 49 21 5451/5440  
☎ 61 49 21 6907  
✉ phcsik@cc.newcastle.edu.au

**Keel William C**

Dpt Phys/Astronomy  
Univ of Alabama  
Box 870324  
Tuscaloosa AL 35487 0324  
USA  
☎ 1 205 348 5050  
☎ 1 205 348 5051  
✉ keel@bildad.astr.ua.edu

**Keenan Philip C**

Perkins Observ  
Ohio State Univ  
Box 449  
Delaware OH 43015  
USA  
☎ 1 614 363 1257

**Keene Jocelyn Betty**

CALTECH  
MS 320 47  
Pasadena CA 91125  
USA  
☎ 1 818 395 6675  
☎ 1 818 796 8806  
✉ jbk@taeos.caltech.edu

**Kegel Wilhelm H**

Inst Theor Physics  
Univ Frankfurt  
Robert Mayer Str 8-10  
D 60054 Frankfurt A M  
Germany  
☎ 49 69 798 2357  
☎ 49 69 798 8350

**Keil Klaus**

Dpt Geology  
Univ New Mexico  
800 Yale Blvd Ne  
Albuquerque NM 87131  
USA  
☎ 1 505 277 4204

**Keil Stephen L**

AFGL  
NSO  
Sacramento Peak Obs  
Sunspot NM 88349  
USA  
☎ 1 505 434 1390  
☎ 1 504 434 7029

**Kelemen Janos**

Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
☎ 36 1 275 4668  
✉ kelemen@ogyalla.konkoly.hu

**Keller Charles F**

LANL  
MS F665  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 5648  
☎ 1 505 665 4055

**Keller Christoph U**

NOAO/NSO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 318 8445  
☎ 1 520 318 8278  
✉ ckeller@noao.edu

**Keller Geoffrey**

Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 422 6279  
☎ 1 614 292 2928

**Keller Hans Ulrich**

Observ/Planetarium  
Neckarstr 47  
D 70173 Stuttgart  
Germany  
☎ 49 711 162 920  
☎ 49 711 216 3912

**Keller Horst,Uwe**

MPI Aeronomic  
Max Planck Str 2  
Postfach 20  
D 37189 Katlenburg Lindau  
Germany  
☎ 49 555 979 419  
☎ 49 555 979 141  
✉ keller@linmpi.mpg.de

**Kellermann Kenneth I**

NRAO  
520 Edgemont Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 296 0240  
☎ 1 804 296 0278  
✉ kkellerm@nrao.edu

**Kellogg Edwin M**

CfA  
HCO/SAO MS 3  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7156  
☎ 1 617 495 7356  
✉ emk@cfa.harvard.edu

**Kemball Athol**

NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 835 7330  
☎ 27 505 835 7027  
✉ akemball@nrao.edu

**Kembhavi Ajit K**  
IUCAA  
Post Bag 4  
Megghad Saha Rd  
Ganeshkind Pune 411 007  
India  
☎ 91 212 336 415  
☎ 91 212 350 760  
✉ akk@iucaa.ernet.in

**Kenderdine Sidney**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 294  
☎ 44 12 23 354 599

**Kendziorra Eckhard**  
Astronomisches Institut  
Univ Tuebingen  
Waldhauserstr 64  
D 72076 Tuebingen  
Germany  
☎ 49 707 129 6127  
☎ 49 707 129 3458

**Kennedy Eugene T**  
School of Physical Sci  
Ntl Inst Higher Education  
Glasnevin  
Dublin 9  
Ireland  
☎ 353 1 370 071

**Kennedy Hans Daniel**  
Box 7243  
Mail Ctr  
Toowoomba QLD 4352  
Australia

**Kennedy John E**  
1902 315 5th Av N  
Saskatoon SK S7K 5Z8  
Canada

**Kennicutt Robert C**  
Dpt Phys/Astronomy  
Steward Observ  
Univ Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 2288  
☎ 1 520 621 1532  
✉ rkennicutt@as.arizona.edu

**Kenny Harold**  
Physics Dpt  
RMC  
Kingston ONT K7K 5L0  
Canada  
☎ 1 613 541 6000\*6042  
☎ 1 613 541 6040  
✉ kenny-h@rmc.ca

**Kent Stephen M**  
Fermilab  
MS 209  
Box 500  
Batavia IL 60510  
USA  
☎ 1 708 840 8231  
☎ 1 708 840 8231

**Kentischer Thomas**  
Kiepenheuer Institut  
f Sonnenphysik  
Schoneckstr 6  
D 79104 Freiburg Breisgau  
Germany  
☎ 49 761 319 8158  
☎ 49 761 319 8111  
✉ tk@kis.uni-freiburg.de

**Kenyon Scott J**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7235  
☎ 1 617 495 7356

**Kepler S O**  
Instituto Fisica  
UFRGS  
CP 15051  
91501 900 Porto Alegre RS  
Brazil  
☎ 55 51 316 6556  
☎ 55 51 319 1762  
✉ kepler@if.ufrgs.br

**Keppens Rony**  
FOM  
Box 1207  
NL 3430 BE Nieuwegein  
Netherlands  
☎ 31 30 603 1224  
☎ 31 30 6031204  
✉ keppens@rijnh.nl

**Kerr Frank J**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 454 6302  
☎ 1 301 314 9067

**Kerr Roy P**  
Dpt Phys/Astronomy  
Univ of Canterbury  
Private Bag 4800  
Christchurch 1  
New Zealand  
☎ 64 348 2009  
☎ 64 3 364 2469  
✉ rp@math.canterbury.ac.nz

**Kerschbaum Franz**  
Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 470 680056  
☎ 43 1 470 6015  
✉ kerschbaum@astro1.ast.univie.ac.at

**Keskin Varol**  
Dpt Astron/Space Sci  
Ege Univ  
Box 21  
35100 Bornova Izmir  
Turkey  
☎ 90 232 388 0110\*1738  
✉ efeast05@vm3090.ege.edu.tr

**Kessler Martin F**  
ESA  
Apt 50727 Villafranca  
E 28080 Madrid  
Spain  
☎ 34 1 813 1253  
☎ 34 1 813 1308  
✉ mkessler@iso.vilspa.esa.es

**Kesteven Michael J I**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0310  
✉ mkevsteve@atnf.csiro.au

**Khachikian E Ye**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640  
✉ ekhach@helios.sci.am

**Khalessheh Bahram**  
Physics Dpt  
School of Sciences  
Univ of Ferdowsi  
Mashhad  
Iran  
☎ 98 51 32021\*64  
☎ 98 51 87079

**Khaliullin Khabibrachman F**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2378  
☎ 7 095 939 0126  
✉ hf@sa.i.msu.su

**Khanna Ramon**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9265  
☎ 49 622 150 9202  
✉ rkhan@lsw.uni-heidelberg.de

**Kharadze E K**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
380060 Tbilisi  
Georgia  
☎ 995 88 32 37 5226  
☎ 995 88 32 98 5017  
✉ ekhara@dtapha.kheta.georgie.su

**Kharchenko Nina**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
☎ 380 4426 62147  
✉ nkhar@mao.kiev.ua

**Khare Bishun N**  
NASA/ARC  
MS 239 14  
Moffett Field CA 94035 1000  
USA  
☎ 1 650 604 2465  
☎ 1 650 604 1088  
✉ bkhare@mail.arc.nasa.gov

**Khare Pushpa**  
Physics Dpt  
Utkal Univ  
Bhubaneswar 751 004  
India  
☎ 91 674 481 079  
☎ 91 674 481 142  
✉ khare@iopb.ernet.in

**Kharin Arkady S**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 64769/266 1970  
☎ 380 4426 62147  
✉ kharin@mao.gluk.apc.org

**Kharitonov Andrej V**  
Astrophys Inst  
Kazakh Acad Sci  
480068 Alma Ata  
Kazakhstan  
☎ 7 62 4040

**Khatishashvili Alifex Sh**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
☎ 995 88 32 98 5017

**Khetsurtiani Tsiala S**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
☎ 995 88 32 98 5017

**Khokhlova Vers L**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
☎ 7 095 230 2081

**Kholshernikov Konstatin V**

Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
198904 St Petersburg  
Russia  
☎ 7 812 257 9488  
① 7 812 428 4259

**Kholtygin Alexander F**

Astronomical Institute  
St Petersburg Univ  
Bibliotchnaja Pl 2  
198904 St Petersburg  
Russia  
☎ 7 812 428 4163  
① 7 812 428 6649  
✉ afk@aispb4.spb.su

**Khozov Gennadij V**

Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
198904 St Petersburg  
Russia  
☎ 7 812 257 9484  
① 7 812 428 4259

**Khromov Gavriil S**

Astron Geod Society  
of Russia  
24 Sadovaja Kudrinskaja S  
103001 Moscow  
Russia  
☎ 7 095 291 5896

**Kiang Tao**

Dunsink Observ  
DIAS  
Castleknock  
Dublin 15  
Ireland  
☎ 353 1 38 7911  
① 353 1 38 7090

**Kiasatpoor Ahmad**

Physics Dpt  
Univ of Esfahan  
Daneshgah E  
Esfahan  
Iran  
☎ 98 31 44321

**Kibblewhite Edward J**

Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
① 44 12 23 337 523

**Kielkopf John F**

Physics Dpt  
Univ of Louisville  
Louisville KY 40292  
USA  
☎ 1 502 588 6787  
① 1 502 588 8194

**Kiguchi Masayoshi**

Res Inst Science/Tech  
Kinki Univ  
Higashi  
Osaka 577  
Japan  
☎ 81 672 12 332

**Kii Tsuneo**

ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911\*2624  
① 81 427 59 4253

**Kijak Jaroslaw**

Astronomy Centre  
Lubuska 2  
PL 65 001 Zielona Gora  
Poland  
☎ 48 68 20 2863  
① 48 68 202 863  
✉ jkijak@ca.wsp.zgora.pl

**Kikuchi Sadaemon**

Astronomical Institute  
Tohoku Univ  
Sendai Aoba  
Miyagi 980  
Japan  
☎ 81 22 222 1800\*3327  
① 81 22 262 6609

**Kiladze R I**

Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
① 995 88 32 98 5017  
✉ roki@abao.kheta.  
georgia.su

**Kilambi G C**

Astronomy Dpt  
Univ of Osmania  
Hyderabad 500 007  
India  
☎ 91 71 951\*247

**Kilar Bogdan**

Fac of Geodesy  
Univ E Kardelj  
Jamova 2  
Ljubljana  
Slovenia

**Kilian-Montenbruck Judith**

Inst Astron/Astrofysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 220 9429  
① 49 899 220 9427  
✉ kilian@usm.uni-  
muenchen.de

**Kilkenny David**

SAAO  
PO Box 9  
7935 Observatory  
South Africa  
☎ 27 21 47 0025  
① 27 21 47 3639  
✉ dmk@sao.ac.za

**Killeen Neil**

AAO  
ATNF  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
① 61 2 868 0400  
✉ nikilleen@atnf.  
csiro.au

**Kilmartin Pamela**

Mt John Observ  
Box 56  
Lake Tekapo 8770  
New Zealand  
☎ 64 3 680 6817  
✉ pokilmartin@csc.  
canterbury.ac.nz

**Kim Chulhee**

Dpt Earth Sci Edu  
Chonbuk Ntl Univ  
Chonju 560 756  
Korea RP

**Kim Chun Hwey**

Dpt Astronomy/Space Sci  
Chungbuk Ntl Univ  
San 48 Gaeshin Dong  
Cheongju 360 763  
Korea RP  
☎ 82 431 61 3139  
① 82 431 61 4232  
✉ kimch@astro.  
chungbuk.ac.kr

**Kim Ho Il**

Korea Astronomy Obs/ISSA  
36 1 Whaam Dong  
Yuseong Gu  
Taejon 305 348  
Korea RP  
☎ 82 428 65 3282  
① 82 428 65 3282  
✉ hikim@hanul.issa.  
re.kr

**Kim Iraida S**

SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2245  
① 7 095 131 1357  
✉ kim@sai.msk.su

**Kim Jik Su**

Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Kim Kap-sung**

Dpt Astron/Space Sci  
Kyunghee Univ  
Yong In Kun  
Kyunggee 449 701  
Korea RP  
☎ 82 331 28 02443  
① 82 331 28 14964

**Kim Kwang-tae**

Dpt Astron/Space Res  
Chungnam Ntl Univ  
Daejeon 304 764  
Korea RP  
☎ 82 428 21 5463

**Kim Tu Hwan**

Korea Astronomy Obs/ISSA  
36 1 Whaam Dong  
Yuseong Gu  
Taejon 305 348  
Korea RP  
☎ 82 428 23 1497  
① 82 428 65 3282

**Kim Yong Hyok**

Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Kim Yong Uk**

Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Kim Yonggi**

Dpt Astronomy/Space Sci  
Chungbuk Ntl Univ  
Chungbuk  
Korea RP  
☎ 82 431 61 2312  
① 82 431 272 0695  
✉ ykkim@astro.chungbuk.ac.kr

**Kim Yongha**

Dpt Astron/Space Sci  
Chungnam Ntl Univ  
Chungnam  
Korea RP  
☎ 82 428 21 5461  
① 82 428 22 8380  
✉ ykim@jupiter.chungnam.ac.kr

**Kim Yul**

Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Kim Zong Dok**

Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Kimble Randy A**

NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5783  
① 1 301 286 7642  
✉ kimble@stars.gsfc.nasa.gov

**Kimura Hiroshi**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 33921  
① 86 25 301 459

**Kimura Toshiya**  
Ctr Prom Comput Sci  
Japan AERI  
2 2 54 Nakameguro  
Meguro ku Tokyo 153  
Japan  
✉ kimura@koma.  
jaeri.go.jp

**King Andrew R**  
Astronomy Dpt  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
① 44 113 252 2200

**King David Leonard**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
① 44 12 23 374 700  
✉ king@uk.ac.cam.  
ast-star

**King David S**  
Dpt Phys/Astronomy  
Univ New Mexico  
800 Yale Blvd Ne  
Albuquerque NM 87131  
USA  
☎ 1 505 277 2941

**King Henry C**  
Trillium 206 White Lion Rd  
Little Chalfont  
Bucks HP7 9NU  
UK

**King Ivan R**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 510 642 2206  
① 1 510 642 3411  
✉ iring@astro.berkeley.edu

**King-Hele Desmond G**  
Royal Aircraft Establ  
Farnborough Hants  
UK  
☎ 44 12 522 4461

**Kingston Arthur E**  
Dpt Appl Maths/Theor-Phys  
Queen's Univ  
Belfast BT7 1NN  
UK  
☎ 44 12 32 24 5133  
① 44 12 32 23 9182

**Kinman Thomas D**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
① 1 520 325 9360

**Kinney Anne L**  
STSci  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4831  
① 1 301 338 4767

**Kinoshita Hiroshi**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3615  
① 81 422 34 3793  
✉ kinoshita@nao.ac.jp

**Kiplinger Alan L**  
APAS DPR  
Univ of Colorado  
Campus Box 389  
Boulder CO 80309 0391  
USA  
☎ 1 303 497 5892

**Kippenhahn Rudolf**  
Rautenbreite 2  
D 37083 Goettingen  
Germany  
☎ 49 551 247 14  
① 49 551 229 02

**Kipper Tonu**  
Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia  
☎ 372 7 416 625  
① 372 7 410 205

**Kiral Adnan**  
Univ Observ  
Univ of Istanbul  
University 34452  
34452 Istanbul  
Turkey  
☎ 90 212 522 3597  
① 90 212 519 0834

**Kirbiyik Halil**  
Physics Dpt  
Middle East Tech Univ  
06531 Ankara  
Turkey  
☎ 90 41 22 37100/3528

**Kirby Kate P**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7237  
① 1 617 495 7356

**Kirian Tatiana R**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4252  
① 7 812 315 1701  
✉ anna@gaoranspb.su

**Kirilova Daniela**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 62 56833  
① 359 2 75 5019  
✉ mih@phys.uni-  
sofia.bg

**Kirk John**  
MPI Kernphysik  
Postfach 103980  
D 69029 Heidelberg  
Germany  
☎ 49 622 151 6248  
① 49 622 151 6482  
✉ kirk@kirk0.mpi-  
hd.mpg.de

**Kirkpatrick Ronald C**  
LANL  
MS 220  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 4812  
① 1 505 665 4055

**Kirshner Robert Paul**  
Astronomy Dpt  
Harvard Univ MS 46  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7390  
① 1 617 495 7105

**Kiselev Nikolai N**  
Astrophys Inst  
Uzbek Acad Sci  
Sviridenko Ul 22  
734670 Dushanbe  
Tajikistan  
☎ 7 3770 23 1432  
① 7 3770 27 5483

**Kiselman Dan**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjoebaden  
Sweden  
☎ 46 8 716 4477  
① 46 8 716 4228  
✉ dan@astro.su.se

**Kiselyov Alexej A**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
① 7 812 315 1701

**Kislyakov Albert G**  
Inst Applied Physics  
Acad Sciences  
Ulyanov Ul 46  
603600 N Novgorod  
Russia  
☎ 7 831 236 7253  
① 7 831 236 2061

**Kislyuk Vitalij S**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
① 380 4426 62147  
✉ kislyuk@mao.kiev.ua

**Kisseleva Tamara P**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
① 7 812 315 1701

**Kissell Kenneth E**  
Physics Dpt  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 314 9531  
① 1 301 314 9531  
✉ kkissell@img.umd.edu

**Kitai Reizaburo**  
Hida Observ  
Kyoto Univ  
Kamitakara  
Gifu 506 13  
Japan  
☎ 81 578 62 311  
① 81 578 62 118  
✉ kitai@kusastro.kyoto-u.ac.jp

**Kitamoto Shunji**  
Fac of Sciences  
Osaka Univ  
Machikaneyama  
Toyonaka Osaka 560  
Japan  
☎ 81 684 41 151

**Kitamura M**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
① 81 422 34 3793

**Kitchin Christopher R**  
Hatfield Polytechnic  
Observ  
Bayfordbury  
Hertford Herts SG13 8LD  
UK  
☎ 44 199 255 8451

**Kiziloglu Nilgüen**  
Physics Dpt  
Middle East Tech Univ  
06531 Ankara  
Turkey  
☎ 90 41 223 7100\*3268  
① 90 41 286 8638  
✉ nlk@trnetu

**Kiziloglu Uemit**  
Physics Dpt  
Middle East Tech Univ  
06531 Ankara  
Turkey  
☎ 90 41 22 37100\*3275  
① 90 41 286 8638  
✉ umnk@trnetu

**Kjaergaard Per**  
Astronomical Observ, NBIfAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5999/5987  
① 45 35 32 5989  
✉ per@astro.ku.dk

**Kjeldsen Hans**  
Inst Phys/Astronomy  
Univ of Aarhus  
Ny Munkegade  
DK 8000 Aarhus C  
Denmark  
☎ 45 89 423 609  
① 45 86 12 0740  
✉ hans@obs.aau.dk

**Kjeldseth-Moe Olay**  
Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway  
☎ 47 22 856 510  
① 47 22 85 6505

**Kjurkchieva Diana**  
Physics Dpt  
Higher Pedagogical Inst  
BG 9700 Shoumen  
Bulgaria  
☎ 359 6 46 3151\*289

**Klapp Jaime**  
Dpt Fisica  
UAM-I Iztaapalapa  
Apt 55 534  
Mexico DF 09340  
Mexico  
☎ 52 5 724 4623  
① 52 5 686 1717

**Klare Gerhard**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 110 036  
① 49 622 150 9202

**Klarmann Joseph**  
Physics Dpt  
Washington Univ  
Campus Box 1105  
St Louis MO 63130  
USA  
☎ 1 314 889 6299  
① 1 314 935 4083

**Kleczek Josip**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7157  
① 420 2 88 1611  
✉ kleczek@asu.cas.cz

**Klein Karl Ludwig**  
Observ Paris Meudon  
DASOP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 34 7761  
① 33 1 45 07 7959

**Klein Michael J**  
CALTECH/JPL  
MS 303 401  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 7132  
① 1 818 393 6030

**Klein Richard I**  
LLNL  
L 23  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 415 422 3548  
① 1 415 423 0238

**Klein Ulrich**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 73 3644  
① 49 228 73 3672

**Kleinmann Douglas E**  
Honeywell Electro Optics  
Operation  
2 Forbes Rd  
Lexington MA 02173  
USA  
☎ 1 617 863 3841

**Klemola Arnold R**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 459 4049  
① 1 831 426 3115  
✉ klemola@ucolick.org

**Klemperer W K**  
NBS  
Electromagnetic Fields D  
325 Broadway  
Boulder CO 80303  
USA  
☎ 1 303 497 3757

**Klepczynski William J**  
ISI  
1608 Spring Hill Rd  
Suite 200  
Vienne VA 22182  
USA  
☎ 1 202 651 7670  
① 1 202 651 7699  
✉ wklepczy@aol.com

**Kliem Bernhard**  
Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9208  
① 49 331 749 200  
✉ bkliem@aip.de

**Klimchuk James A**  
Ctr for Space Sci/  
Astrophysics  
Stanford Univ ERL  
Stanford CA 94305 4055  
USA  
☎ 1 415 723 1765  
① 1 415 725 2333  
✉ klimchuk@flare.stanford.edu

**Klingsmith Daniel A**  
NASA GSFC  
Code 684  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6541

**Klinkhamer Frans**  
Inst Theor Physik  
Univ Karlsruhe  
D 76128 Karlsruhe  
Germany

**Kllore Arvydas Joseph**  
CALTECH/JPL  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 6164  
① 1 818 393 6030

**Klochkova Valentina**  
SAO  
Acad Sciences  
Nizhnij Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 878 78 92 501  
① 7 96 908 2861  
✉ valenta@sao.ru

**Klock B L**  
4509 Bayside Dr  
Milton FL 32570 8423  
USA  
☎ 1 904 994 1728  
✉ blklock@sprintmail.com

**Klocok Lubomir**  
Astronomical Institute  
Slovak Acad Sci  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 96 7866  
① 421 969 96 7656

**Klokočnik Jaroslav**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7158  
① 420 2 88 1611  
✉ jklokočn@asu.cas.cz

**Klose Sylvio**  
Thueringer Landessternwarte  
Sternwarte 5  
D 07778 Tautenburg  
Germany  
☎ 49 364 278 630  
① 49 364 278 6329  
✉ klose@tls-tautenburg.de

**Kluzniak Włodzimierz**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
① 48 22 41 0828  
✉ wlodek@camk.edu.pl

**Klvana Miroslav**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7221  
① 420 2 88 1611  
✉ mklvana@asu.cas.cz

**Klymyshyn I A**  
Pushkin Ul 96 Apt 66  
284000 Ivanofrankovsk  
Ukraine

**Knacke Roger F**  
Penn State Erie  
The Behrend College  
Station Rd  
Erie PA 16563 0203  
USA  
☎ 1 814 898 6105  
① 1 814 898 6213

**Knapen Johan Hendrik**  
Physical Sci Div  
Univ Hertfordshire  
College Lane  
Hatfield Herts AL10 9AB  
UK  
☎ 44 170 728 5251  
① 44 170 728 5279  
✉ knapen@star.herts.ac.uk

**Knapp Gillian R**  
Dpt Astrophysical Sci  
Princeton Univ  
Princeton NJ 08544 1001  
USA  
☎ 1 609 452 3824  
① 1 609 258 1020

- Knee Lewis**  
DRAO  
Box 248  
Penticton BC V2A 6K3  
Canada  
☎ 1 250 493 2277  
☎ 1 250 493 7767  
✉ lewis.knee@hia.nrc.ca
- Kneer Franz**  
Univ Sternwarte  
Goettingen  
Geismarlandstr 11  
D 37083 Goettingen  
Germany  
☎ 49 551 39542  
☎ 49 551 395 043
- Kneib Jean-Paul**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 33 2824  
☎ 33 5 61 33 2840  
✉ kneib@obs-mip.fr
- Knezevic Zoran**  
Astronomical Observ  
Volgina 7  
11150 Beograd  
Yugoslavia FR  
☎ 381 1 419 357/401 320  
☎ 381 1 419 553  
✉ zoran@zab.aob.bg.ac.yu
- Kniffen Donald A**  
Physics Dpt  
Hampden Sydney Coll  
Box 862  
Hampden Sydney VA 23943  
USA  
☎ 1 804 223 6255  
☎ 1 804 223 6374  
✉ donk@pulsar.hsc.edu
- Knoelker Michael**  
HAO  
NCAR  
Box 3000  
Boulder CO 80307 3000  
USA  
☎ 1 303 497 1501  
☎ 1 303 497 1568  
✉ knoe@ncar.edu
- Knoska Stefan**  
Astronomical Institute  
Slovak Acad Sciences  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 96 7866  
☎ 421 969 96 7656
- Knowles Stephen H**  
9455 Deramus Farm CT  
Vienna VA 22448 5180  
USA  
☎ 1 202 404 7829  
✉ knowles@bdcmail.nrl.navy.mil
- Knude Jens Kirkeskov**  
Astronomical Observ, NBIF/AFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5986  
☎ 45 35 32 5989  
✉ indus@astro.ku.dk
- Ko Hsien C**  
Dpt Elect Eng  
Ohio State Univ  
1958 Neil Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 422 2571
- Kobayashi Eisuke**  
Science Inst of Osaka  
13 23 Karita 4 Chome  
Sumiyoshi Ku  
Osaka 558  
Japan  
☎ 81 669 21 882
- Kobayashi Hideyuki**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911\*2709  
☎ 81 427 51 3972  
✉ hkobaya@vsop.isas.ac.jp
- Kobayashi Yukisayu**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
☎ 81 422 34 3793
- Koer Durcun**  
Astronomy Dpt  
Univ of Istanbul  
34452 Istanbul  
Turkey  
☎ 90 2121 522 3597  
☎ 90 212 522 6123
- Koch David G**  
NASA/ARC  
MS 245 6  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 604 5528  
☎ 1 415 604 6779
- Koch Robert H**  
Dpt Astron/Astrophys  
Univ of Pennsylvania  
209 S 33rd St  
Philadelphia PA 19104  
USA  
☎ 1 215 898 7882  
☎ 1 215 898 9336  
✉ rkoch@upenn.sas.edu
- Koch-Miramond Lydie**  
DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 4329  
☎ 33 1 69 08 6577
- Kocharov Grant E**  
Ioffe Physical Tech Inst  
Acad Sciences  
Polytechnicheskaya Ul 26  
194021 St Petersburg  
Russia  
☎ 7 812 247 9167  
☎ 7 812 247 1017  
✉ kocharov@stu.spb.su
- Kochhar R K**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585  
☎ 91 80 553 4043  
✉ rkk@iitp.ernet.in
- Kodaira Keiichi**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
☎ 81 422 34 3793
- Kodama Hideo**  
Yukawa Inst Theor Physics  
Kyoto Univ  
Kitashirakawa  
Kyoto 606 01  
Japan  
☎ 81 757 53 7015  
☎ 81 75 753 7015  
✉ kodama@yukawa.kyoto-u.ac.jp
- Koerberl Christian**  
Inst Geochemistry  
Univ Wien  
Althanstr 14  
A 1090 Wien  
Austria  
☎ 43 1 313 36 1714  
☎ 43 1 313 36 781  
✉ a8631dab@vm.univie.ac.at
- Koechlin Laurent**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 33 2887  
☎ 33 5 61 33 2840  
✉ koechlin@obs-mip.fr
- Koehler H**  
Sauerbruchstr 6  
D 7920 Heidenheim  
Germany  
☎ 49 732 144 560
- Koehler James A**  
Physics Dpt  
Univ of Saskatchewan  
Saskatoon SK S7N 0W0  
Canada  
☎ 1 306 966 6442
- Koehler Peter**  
Carl Zeiss Jena GmbH  
Tatzens Promenade 1a  
Postfach 125  
D 07740 Jena  
Germany  
☎ 49 364 1640  
☎ 49 364 164 2542  
✉ koehler@zeiss.de
- Koehler-Vogel Suzanne**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4137  
☎ 49 407 252 4198  
✉ skoehler@hs.uni-hamburg.de
- Koempe Carsten**  
Astrophysik Inst  
Univ Sternwarte  
Schillergaesschen 2  
D 07745 Jena  
Germany  
☎ 49 364 163 0313  
☎ 49 364 163 0417  
✉ koempe@betty.astro.uni-jena.de
- Koen Marthinus**  
SAAO  
PO Box 9  
7935 Observatory  
South Africa  
☎ 27 21 47 0025  
☎ 27 21 47 3639  
✉ ck@sao.ac.za
- Koenigsberger Gloria**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653
- Koepfen Joachim**  
Inst Theor Phys/  
Sternwarte Univ Kiel  
Olshausenstr 40  
D 24098 Kiel  
Germany  
☎ 49 431 880 4103  
☎ 49 431 880 4432  
✉ pas86@rz.uni.kiel.d400.de
- Koester Detlev**  
Inst Theor Phys/  
Sternwarte Univ Kiel  
Olshausenstr 40  
D 24098 Kiel  
Germany  
☎ 49 431 880 4110  
☎ 49 431 880 4432

**Kofman Lev**

Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 6196  
☎ 1 808 956 9590  
✉ kofman@ifa.hawaii.edu

**Kogoshvili Natela G**

Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
☎ 995 88 32 98 5017

**Kogure Tomokazu**

Togano-o 1-10  
Hashimoto Yawata  
Kyoto 614  
Japan  
☎ 81 759 83 2984

**Kohl John L**

CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7377  
☎ 1 617 495 7356

**Kohoutek Lubos**

Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4112  
☎ 49 407 252 4198

**Koide Shinji**

Toyama Univ  
3190 Gofuku  
Toyama 930  
Japan  
☎ 81 764 45 6 745  
☎ 81 764 456 703  
✉ koidesin@ecs.toyama-  
u.ac.jp

**Koike Chiyo**

Kyoto Pharml Univ  
Misasagi  
Yamashina  
Kyoto 607  
Japan  
☎ 81 75 595 4702  
☎ 81 75 595 4793  
✉ koike@cr.scephys.kyoto-  
u.ac.jp

**Kojima Masayoshi**

Solar Terrestrial Lab  
Nagoya Univ  
3-13 Honohara Toyokawa  
Aichi 442  
Japan  
☎ 81 533 83 154  
☎ 81 533 86 0811  
✉ kojima@stelab.nagoya-  
u.ac.jp

**Kojima Yasufumi**

Physics Dpt  
Hiroshima Univ  
Higashi Senda Machi  
Hiroshima 739  
Japan  
☎ 81 824 247 365  
☎ 81 824 240 717  
✉ kojima@theo.phys.sci.  
hiroshima-u.ac.jp

**Kokkotas Konstantinos**

Astronomy Lab  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 8185  
☎ 30 31 99 5384  
✉ kokkotas@astro.auth.gr

**Kokott Wolfgang**

Observatorium Hoher List  
Univ Sternwarte Bonn  
D 54550 Daun  
Germany  
☎ 49 6592 2150  
☎ 49 65 92 9851 40  
✉ w.kokott@lrz.uni-  
muenchen.de

**Kokurin Yuri L**

Lebedev Physical Inst  
Acad Sciences  
Leninsky Pspst 53  
117924 Moscow  
Russia  
☎ 7 095 135 0360  
☎ 7 095 135 7880

**Kolaczek Barbara**

Planetary Geodesy Dpt  
Polish Acad Sci  
Ul Bartyczna 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
☎ 48 22 41 0828  
✉ cbk@camk.edu.pl

**Kolb Edward W**

Fermitab  
MS 209  
Box 500  
Batavia IL 60510  
USA  
☎ 1 708 840 8231  
☎ 1 708 840 8231  
✉ uck@star.le.ac.uk

**Kolb Ulrich**

Astronomy Group  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2079  
☎ 44 116 252 2070  
✉ uck@star.le.ac.uk

**Kolchinskij I G**

Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
☎ 380 4426 62147

**Kolesnik Igor G**

Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
☎ 380 4426 62147

**Kolesnik L N**

Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 60869  
☎ 380 4426 62147

**Kolesov Alexander K**

Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
199178 St Petersburg  
Russia  
☎ 7 812 428 7129  
☎ 7 812 428 4259

**Kolev Dimitar Zdravkov**

Nd Astronomical Obs  
Bulgarian Acad Sci  
Box 136  
BG 4700 Smoljan  
Bulgaria  
☎ 359 7 341 559

**Kolka Indrek**

Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia  
☎ 372 7 410 438  
☎ 372 7 410 205  
✉ indrek@aai.ee

**Kollath Zoltan**

Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
☎ 36 1 275 4668

**Kollatschny Wolfram**

Univ Sternwarte  
Goettingen  
Geismarlandstr 11  
D 37083 Goettingen  
Germany  
☎ 49 551 395 067  
☎ 49 551 395 043

**Kollberg Erik L**

Dpt Microwave Techn  
Chalmers Technical Univ  
S 412 96 Goeteborg  
Sweden  
☎ 46 31 772 1000  
☎ 46 31 772 3204

**Komarov N S**

Astronomical Observ  
Odessa State Univ  
Shevchenko Park  
270014 Odessa  
Ukraine  
☎ 380 4822 20396  
☎ 380 4822 28442

**Komberg Boris V**

Space Res Inst  
Acad Sciences  
Profsojuznaya Ul 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 3366  
☎ 7 095 333 2378

**Komitov Boris**

Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
☎ 359 2 75 8927  
✉ planet@bgearn

**Kompaneets Dmitriy A**

Astro Space Ctr  
Lebedev Physical Inst  
Profsojuznaya 84/32  
Moscow 117810  
Russia  
☎ 7 095 333 3366  
☎ 7 095 333 2378  
✉ dkompan@dpc.asc.rssi.ru

**Kondo Masaaki**

Senshu Univ  
Higashi-mita Tama-ku  
Kawasaki Shi  
Kanagawa 214  
Japan  
☎ 81 449 11 7131  
✉ 86123@nacsis.ac.jp

**Kondo Masayuki**

I 2 25 Osawa  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
☎ 81 422 34 3793

**Kondo Yoji**

NASA GSFC  
Code 684  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6247  
☎ 1 301 286 1752  
✉ kondo@stars.gsfc.nasa.gov

**Konigl Arie**

Astronomy/Astrophys Ctr  
Univ of Chicago  
5640 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 702 7968  
☎ 1 312 702 8212

**Kononovich Edward V**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2858  
☎ 7 095 939 0126

**Konopleva Varvara P**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
☎ 380 4426 62147

**Konovalenko Olexandr**  
Inst Radio Astron  
Ukrainian Acad Science  
4 Chervonopraporna st  
310002 Kharkiv  
Ukraine  
☎ 380 5724 71134  
☎ 380 5724 76506  
✉ rai@ira.kharkov.ua

**Kontizas Evangelos**  
Astronomical Institute  
Ntl Observ Athens  
Box 20048  
GR 118 10 Athens  
Greece  
☎ 30 1 346 1191  
☎ 30 1 342 1019  
✉ ekontiza@astro.  
noa.gr

**Kontizas Mary**  
Astrophysics Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 728 4770  
☎ 30 1 723 8413  
✉ mkontiza@atlas.  
uoa.gr

**Kontorovich Viator**  
Inst Radio Astron  
Ukrainian Acad Science  
4 Chervonopraporna st  
310002 Kharkiv  
Ukraine  
☎ 380 5724 51014  
☎ 380 5724 76506  
✉ rai@ira.kharkov.ua

**Koo Bon Chul**  
Astronomy Dpt  
Seoul Ntl Univ  
Kwanak Ku  
Seoul 151 742  
Korea RP  
☎ 82 288 06623  
☎ 82 288 71435  
✉ koo@astrohi.snu.ac.kr

**Koo David C-Y**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 459 2130  
☎ 1 831 426 3115  
✉ koo@uclick.org

**Koornneef Jan**  
SRON  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
☎ 31 50 363 6100  
✉ koornneef@sron.rug.nl

**Kopecky Miloslav**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7118  
☎ 420 2 88 1611

**Kopp Greg**  
Meadowlark Optics  
7460 Weld County Rd 1  
Longmont CO 80504 9470  
USA  
☎ 1 303 776 4068  
☎ 1 303 776 5856  
✉ gkopp@meadowlark.com

**Kopp Roger A**  
LANL  
MS B259  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 665 3010  
☎ 1 505 667 7780  
✉ rak@lanl.gov

**Kopylov Alexander**  
SAO  
Acad Sciences  
Nizhnij Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 878 784 6148  
☎ 7 96 908 2861  
✉ akop@sao.ru

**Kopylov Ivan M**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
☎ 7 812 315 1701

**Korakitis Romylos**  
National Technical  
Univ of Athens  
Gen Rogakou str 39  
GR 151 25 Maroussi  
Greece  
☎ 30 772 27 23  
☎ 30 772 26 70  
✉ romylos@survey.  
ntua.gr

**Koratkar Anuradha P**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4470  
☎ 1 301 338 1592  
✉ koratkar@stsci.edu

**Korchak Alexander A**  
ITMIRWP  
Acad Sciences  
142092 Troitsk  
Russia  
☎ 7 095 334 0120  
☎ 7 095 334 0124

**Koribalski Baerbel Silvia**  
CSIRO  
ATNF  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 9372 4361  
☎ 61 2 9372 4310  
✉ bkoribal@atnf.csiro.au

**Kormendy John**  
Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 6680  
☎ 1 808 988 2790  
✉ kormendy@ifa.  
hawaii.edu

**Korovyakovskij Yurij P**  
SAO  
Acad Sciences  
Nizhnij Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 878 789 2501

**Korsun Alla**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 64759  
☎ 380 4426 62147  
✉ akorsun@mao.kiev.ua

**Korzavin Anatoly**  
SAO St Petersburg Br  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4019  
☎ 7 812 123 1922  
✉ kor@saoran.spb.su

**Kosai Hiroki**  
Agasaki 2058 1  
Tamashima  
Kurashiki City 713  
Japan  
☎ 81 865 26 6233  
☎ 81 86 526 6233

**Kosek Wieslaw**  
Space Res Ctr  
Polish Acad Sci  
Ul Bartycka 18A  
PL 00 716 Warsaw  
Poland  
☎ 48 22 40 3766  
☎ 48 22 36 8961  
✉ kosek@cbk.waw.pl

**Koshiba Masa-Toshi**  
Tokai Univ  
2-28 Tomigaya  
Shibuya  
Tokyo 151  
Japan  
☎ 81 334 67 2211\*483  
☎ 81 334 85 4958

**Kosin Gennadij S**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
☎ 7 812 315 1701

**Kosovichev Alexander**  
Ctr for Space Sci/Astro  
Astrophysics  
Stanford Univ ERL 328  
Stanford CA 94305 4055  
USA  
☎ 1 415 723 7667  
☎ 1 415 725 2333  
✉ akosovichev@solar.  
stanford.edu

**Kostik Roman I**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 64762  
☎ 380 4426 62147

**Kostina Lidija D**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
☎ 7 812 315 1701

**Kostyakova Elena B**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2858  
☎ 7 095 939 0126

**Kosugi Takeo**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
☎ 81 422 34 3793

**Kotanyi Christophe**  
NEPAE  
UFMS  
Cidade Universitaria  
97100 Santa Maria RS  
Brazil  
☎ 55 552 26 1616



**Kotelnikov Vladimir A**  
Inst Radio/Electron  
Acad Sciences  
Marx Av 18  
103907 Moscow  
Russia  
☎ 7 905 203 6078

**Kotilainen Jari**  
SISSA  
Astronomy Dpt  
Via Beirut 2 4  
I 34014 Trieste  
Italy  
☎ 39 40 378 7525  
① 39 40 378 7528  
✉ jkotilai@sissa.it

**Kotnik-Karuza Dubravka**  
Fac of Education  
Omladinska 14  
HR 51216 Viskovo  
HR 51000 Rijeka  
Croatia  
☎ 385 51 227 474  
① 385 51 515 142  
✉ kotnik@mapef.pefri.hr

**Kotov Valery**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
① 380 6554 40704

**Kotrc Pavel**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 222  
① 420 2 88 1611  
✉ pkotrc@asu.cas.cz

**Koubsky Pavel**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 727  
① 420 2 88 1611  
✉ koubsky@sunstel.asu.cas.cz

**Koupelis Theodoros**  
Marathon Ctr  
Univ of Wisconsin  
518 7th Av  
Wausau WI 54401  
USA  
☎ 1 715 845 9602  
① 1 715 848 3568  
✉ tkoupeli@uwcmail.uwc.edu

**Kourganoff Vladimir**  
20 Av Paul Apell  
F 75014 Paris  
France  
☎ 33 1 45 40 5053

**Koutchmy Serge**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8056  
① 33 1 44 32 8001

**Kouveliotou Chryssa**  
NASA/MSFC  
Space Science Lab  
Code ES 62  
Huntsville AL 35812  
USA  
☎ 1 205 544 7711  
① 1 205 544 5800

**Kovachev B J**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8827  
① 359 2 75 8927

**Kovacs Agnes**  
Debrecen Heliophysics Observ  
Acad Sciences  
Box 30  
H 4010 Debrecen  
Hungary  
☎ 36 5 231 1015

**Kovacs Geza**  
Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
① 36 1 275 4668

**Koval I K**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 60869  
① 380 4426 62147

**Kovalevsky Jean**  
OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 40 5353  
① 33 4 93 40 5353  
✉ kovalevsky@mfg.cnes.fr

**Kovar N S**  
Physics Dpt  
Univ of Houston  
Houston TX 77004  
USA  
☎ 1 713 743 3550  
① 1 713 743 8589

**Kovar Robert P**  
9666 E Orchard Dr  
Englewood CO 80111  
USA  
☎ 1 303 394 4494

**Kovetz Attay**  
Dpt Phys/Astronomy  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 420 234  
① 972 3 640 8179

**Kowal Charles Thomas**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4700  
① 1 301 338 4767

**Koyama Katsuji**  
Inst Space/Astron Sci  
Univ of Tokyo  
Meguro Ku  
Tokyo 153  
Japan  
☎ 81 346 71 111  
① 81 334 85 2904

**Koyama Shin**  
Kagawa Video Study Ctr  
Univ of The Air  
Saiwai Cho 2 1  
Takamatsu 760  
Japan

**Kozai Yoshihide**  
Tokyo Astronomical Obs  
NAOJ  
2-21-1Ohsawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3650  
① 81 422 34 3690  
✉ kozai@c1.mtk.nao.ac.jp

**Kozasa Takashi**  
Dpt Earth/Planet Sci  
Kobe Univ  
Nada  
Kobe 657 8501  
Japan  
☎ 81 788 03 0978  
① 81 788 03 0490  
✉ kozasa@kobe-u.ac.jp

**Kozlovsky B Z**  
Dpt Phys/Astronomy  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 640 8208  
① 972 3 640 8179

**Kozlowski Maciej**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
① 48 22 41 0828

**Kraan-Korteweg Renee C**  
Dpt Astronomy  
Univ Guanajuato  
Apdo 144  
Guanajuato GTO 36000  
Mexico  
☎ 52 4 732 9548  
① 52 4 732 0253  
✉ kraan@astro.ugto.mx

**Kraemer Gerhard**  
Astronomisches Institut  
Univ Tuebingen  
Waldhauserstr 64  
D 72076 Tuebingen  
Germany  
☎ 49 707 129 2486  
① 49 707 129 34 58

**Kraft Robert P**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
① 1 831 426 3115  
✉ kraft@helios.ucsc.edu

**Kraicheva Zdravska**  
Astronomy Dpt  
Bulgarian Acad Sci  
7th November St 1  
BG 1000 Sofia  
Bulgaria  
☎ 359 2 80 2831  
① 359 2 80 2831

**Kramer Kh N**  
4924 SW 59 Av  
Portland OR 97221 1163  
USA  
☎ 1 503 203 8045

**Krasinski Andrzej**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
① 48 22 410 046

**Krasinsky George A**  
Inst Appl Astronomy  
Acad Sciences  
Zhdanovskaya Ul 8  
197042 St Petersburg  
Russia  
☎ 7 812 230 7414  
① 7 812 230 7413  
✉ kra@isida.ipa.rssi.ru

**Kraus John D**  
Radio Observ  
Ohio State Univ  
2015 Neil Av  
Columbus OH 43210  
USA  
☎ 1 614 548 7895

**Krause Marita**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 315  
① 49 228 525 229  
✉ mkrause@mpifr-bonn.mpg.de

**Kraushaar William L**  
Physics Dpt  
Univ Wisconsin  
1150 University Av  
Madison WI 53706  
USA  
☎ 1 608 262 5916  
① 1 608 263 0361

**Krautter Joachim**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9209  
① 49 622 150 9202  
✉ jkrautte@hp2.lsw.uni-  
heidelberg.de

**Kravchuk Sergei**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 62502  
① 380 4426 62147  
✉ kravchuk@mao.  
kiev.ua

**Kreidl Tobias J N**  
Lowell Observ  
1400 W Mars Hill Rd  
Box 1149  
Flagstaff AZ 86001  
USA  
☎ 1 602 774 3358  
① 1 520 774 3358

**Kreiner Jerzy Marek**  
Inst of Physics  
Pedagogical Univ  
Ul Podchorazych 2  
PL 30 084 Krakow  
Poland  
☎ 48 12 37 8286  
① 48 12 372 2243

**Kreisel E**  
Einstein Laboratorium  
Telegrafenberg  
Rosa Luxemburg Str 17a  
D 14482 Potsdam  
Germany  
☎ 49 762 225

**Krelowski Jacek**  
Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland  
☎ 48 56 26 018  
① 48 56 24 602  
✉ jacek@astri.uni.  
torun.pl

**Krempec-Krygier Janina**  
Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland  
☎ 48 56 26 018  
① 48 56 24 602

**Kresakova Margita**  
Astronomical Institute  
Slovak Acad Sci  
Dubravska 9  
SK 842 28 Bratislava  
Slovak Republic  
☎ 421 7 37 5157  
① 421 7 37 5157

**Kreysa Ernst**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 269  
① 49 228 525 229

**Krieger Allen S**  
Radiation Science Inc  
Box 293  
Belmont MA 02178  
USA  
☎ 1 617 494 0335

**Krikorian Ralph**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8145  
① 33 1 44 32 8001

**Krisciunas Kevin**  
Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA  
☎ 1 425 543 2888  
① 1 425 685 0403  
✉ kevin@orca.astro.  
washington.edu

**Krishna Gopal**  
NCRA/TIFR  
Pune Univ Campus Pb 3  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 35 6105  
① 91 212 33 5760

**Krishna Swamy K S**  
TIFR/Astrophys Gr  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 219 111  
① 91 22 215 2110

**Krishnamohan S**  
TIFR/Radio Astronomy Ctr  
Box 8  
Bangalore 560 012  
India  
☎ 91 80 336 4062

**Krishnan Thiruvenkata**  
Helios Antennas/Electron  
234 Avvai Shanmugham Rd  
Gopalapuram  
Madras 600 086  
India  
☎ 91 44 827 2680  
① 91 44 825 6510  
✉ tkrishna@giasmd01.vsnl.net.in

**Kriss Gerard A**  
Dpt Phys/Astronomy  
JHU  
Charles/34th St  
Baltimore MD 21218  
USA  
☎ 1 301 338 7679  
① 1 301 546 7279

**Kristensen Leif Kahl**  
Inst Phys/Astronomy  
Univ of Aarhus  
Ny Munkegade  
DK 8000 Aarhus C  
Denmark  
☎ 45 86 12 8899  
① 45 86 20 2711

**Kristenson Henrik**  
Dortningngatan 20  
S 432 410 Varberg  
Sweden

**Kristiansson Krister**  
Physics Dpt  
Univ of Lund  
Soelvegatan 14  
S 223 62 Lund  
Sweden  
☎ 46 46 222 7726  
① 46 46 222 4709

**Krivov Alexander**  
Astron Inst St Petersburg  
State Univ  
Bibliotchnaya Pl 2  
St Petersburg 198904  
Russia  
☎ 7 812 428 4163  
① 7 812 428 7129  
✉ krivov@aispbu.spb.su

**Krivsky Ladislav**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7225/7111  
① 420 2 88 1611  
✉ astsun@csearn

**Kriz Svatopek**  
SK Press  
Masarykovo Nam 35  
CZ 25101 Ricany  
Czech R  
☎ 420 204 2486

**Krogdahl W S**  
Dpt Phys/Astronomy  
Univ Kentucky  
Lexington KY 40506 0055  
USA  
☎ 1 606 272 2659  
① 1 606 323 2846

**Krolik Julian H**  
Dpt Phys/Astronomy  
JHU  
Charles/34th St  
Baltimore MD 21218  
USA  
☎ 1 301 338 7926  
① 1 301 516 7279

**Krolikowska-Soltan Malgorzata**  
Space Res Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 40 3766  
① 48 22 36 8961  
✉ mkr@cbk.waw.pl

**Kron Richard G**  
Yerkes Observ  
Univ of Chicago  
Box 258  
Williams Bay WI 53191  
USA  
☎ 1 312 236 5468  
① 1 414 245 9805

**Kronberg Philipp**  
Astronomy Dpt  
Univ of Toronto  
60 St George St  
Toronto ON M5S 1A1  
Canada  
☎ 1 416 978 4971  
① 1 416 978 3921

**Kroto Harold**  
School of Chemistry  
Univ of Sussex  
Falmer  
Brighton BN1 9QJ  
UK  
☎ 44 12 73 67 8329  
✉ kafe4@cluster.sussex.ac.uk

**Kroupa Pavel**  
Inst Theor Astrophysik  
d Univer  
Tiergartenstr 15  
D 69121 Heidelberg  
Germany  
☎ 49 622 154 6710  
① 49 622 154 4221  
✉ pavel@wombat.ita.uni-  
heidelberg.de

**Kruchinenko Vitaliy G**  
Astronomical Observ  
Kyiv State Univ  
Observatornaya Ul 3  
252053 Kyiv  
Ukraine  
☎ 380 4421 62691

**Kruegel Endrik**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 0  
① 49 228 525 229

**Krueger Albrecht**  
Zntrlinst Astrophysik  
Sternwarte Babalsberg  
Rosa Luxemburg Str 17a  
D 14473 Potsdam  
Germany  
☎ 49 331 762225

**Krumm Nathan Allyn**  
Physics Dpt  
Univ of Cincinnati  
210 Braumstein MI 11  
Cincinnati OH 45221 0111  
USA  
☎ 1 513 475 2232  
📠 1 513 556 3425

**Krupp Edwin C**  
Griffith Observ  
2800 East Observ Rd  
Los Angeles CA 90027  
USA  
☎ 1 213 664 1181  
📠 1 213 663 4323

**Kruszewski Andrzej**  
Astronomical Observ  
Warsaw Univ  
Al Ujazdowskie 4  
PL 00 478 Warsaw  
Poland  
☎ 48 22 29 4011  
📠 48 22 29 4697

**Krygier Bernard**  
Inst Radio Astronomy  
N Copernicus Univ  
Ul Gagarina 11  
PL 87 100 Torun  
Poland  
☎ 48 56 78 3327  
📠 48 56 11 651

**Kryvobudskiy Valery**  
Astronomical Observ  
Kyiv State Univ  
Observatorna Str 3  
254053 Kyiv  
Ukraine  
☎ 380 4421 62630  
✉ aoku@gluk.apc.org

**Krzeminski Wojciech**  
CIW  
Las Campanas Observ  
Casilla 601  
La Serena  
Chile  
☎ 56 51 21 3032

**Ksanfomaliti Leonid V**  
Space Res Inst  
Acad Sciences  
Profsojuznaya Ul 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 2322/3122  
📠 7 095 310 7023

**Kubat Jiri**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 62 0127  
📠 420 2 88 1611  
✉ kubat@sunstel.asu.cas.cz

**Kubiak Marcin A**  
Astronomical Observ  
Warsaw Univ  
Al Ujazdowskie 4  
PL 00 478 Warsaw  
Poland  
☎ 48 22 29 4011  
📠 48 22 29 4697

**Kubicela Aleksandar**  
Astronomical Observ  
Volgina 7  
11050 Beograd  
Yugoslavia FR  
☎ 381 1 419 357  
📠 381 1 419 553

**Kubo Yoshio**  
Hydrographic Dpt  
Geodesy/Geophys Div  
Tsukiji 5 Chuo Ku  
Tokyo 104  
Japan  
☎ 81 354 13 811  
📠 81 3545 2885  
✉ kuyoy@ws09.cue.jhd.go.jp

**Kubota Jun**  
Kwasan/Hida Obs  
Kyoto Univ  
Yamashina  
Kyoto 607  
Japan  
☎ 81 755 81 1235  
📠 81 75 593 9617

**Kucera Ales**  
Astronomical Institute  
Slovak Acad Sci  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 967 866  
📠 421 969 967 656  
✉ akucera@auriga.ta3.sk

**Kudritzki Rolf-Peter**  
Inst Astron/Astrofysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 890 21  
📠 49 899 220 9427

**Kuehne Christoph F**  
Koeflacher Str 36  
D 7928 Giengen/brenz  
Germany  
☎ 49 732 244 48

**Kuehr Helmut**  
MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 81  
📠 49 622 152 8246

**Kuenzel Horst**  
Dieselstr 13  
D 14482 Potsdam  
Germany  
☎ 49 331 77318

**Kuhi Leonard V**  
School Phys/Astronomy  
Univ Minnesota  
116 Church St SE  
Minneapolis MN 55455  
USA  
☎ 1 612 624 0211  
📠 1 612 624 2029

**Kuhn Jeffery Richard**  
Physics/Astronomy Dpt  
Michigan State Univ  
East Lansing MI 48824  
USA  
☎ 1 517 353 2986  
📠 1 517 535 4500  
✉ kuhn@msupa.edu

**Kuijpers H Jan M E**  
Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5209  
📠 31 30 253 1601  
✉ j.kuijpers@astro.uu.nl

**Kuin Nicolaas Paulus M**  
NASA/GSFC  
Code 633 2  
Greenbelt MD 20771  
USA  
☎ 1 301 286 0677  
📠 1 301 286 1771  
✉ kuin@nssdc.gsfc.nasa.gov

**Kuiper Thomas B H**  
CALTECH/JPL  
MS 169 5065  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 5479  
📠 1 818 393 6030

**Kuklin Georgly V**  
Sibizmir  
Acad Sciences  
664697 Irkutsk 33  
Russia  
☎ 7 395 262 9388

**Kulcar Ladislav**  
Pedagogicka Fakulta  
Katedra Fyziky  
Tajovskeho 40  
SK 975 49 Banska Bystrice  
Slovak Republic  
☎ 421 88 3 4553  
📠 421 88 3 3132

**Kulikova Nelli V**  
INPE  
Studzorodok 1  
Kaluga Region  
Obninsk 249020  
Russia  
☎ 7 843 970 822  
📠 7 095 255 2225  
✉ iate@strom.iasnet.com

**Kulkarni Prabhakar V**  
PRL  
Navrangpura  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
📠 91 272 44 5292

**Kulkarni Shrinivas R**  
CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 356 4010  
📠 1 818 568 1517

**Kulkarni Vasant K**  
NCRA/TIFR  
Pune Univ Campus Pb 3  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 33 7107  
📠 91 212 33 5760

**Kulsrud Russell M**  
Dpt Astrophys Sci  
Princeton Univ  
Princeton NJ 08544 1001  
USA  
☎ 1 609 683 2613  
📠 1 609 258 1020

**Kultima Johannes**  
EISCAT  
Geophysical Observ  
FIN 99600 Sodankylae  
Finland  
☎ 358 16 61 9880  
📠 358 16 61 0375

**Kumagai Shiomi**  
Physics Dpt CST  
Nihon Univ  
Kanda-Surugadai I-8  
Chiyoda ku Tokyo 101  
Japan  
☎ 81 3 3259 0890  
📠 81 3 3259 0890  
✉ kumagai@phys.est.nihon-u.ac.jp

**Kumai Yasuki**  
Dpt Manager  
Kumamoto Gakuen Univ  
2 5 1 Oe  
Kumamoto 862  
Japan  
☎ 81 963 64 5161\*1544  
📠 81 96 372 0702  
✉ kumai@kumagaku.ac.jp

**Kumajgorodskaya Raisa N**  
SAO  
Acad Sciences  
Nizhnij Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 878 789 3515

**Kumar C Krishna**  
Dpt Phys/Astronomy  
Howard Univ  
Washington DC 20059  
USA  
☎ 1 202 636 6245

**Kumar Shiv S**  
University Station  
Univ of Virginia  
Box 3818  
Charlottesville VA 22903 0818  
USA  
☎ 1 804 924 7494  
① 1 804 924 3104  
✉ ssk9u@virginia.edu

**Kumkova Irina I**  
Inst Appl Astronomy  
Acad Sciences  
Zhdanovskaya Ul 8  
197042 St Petersburg  
Russia  
☎ 7 812 123 4452  
① 7 812 230 7413  
✉ kumkova@ipa.rssi.ru

**Kumsiashvily Mzia I**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
① 995 88 32 98 5017

**Kumsishvili J I**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
① 995 88 32 98 5017

**Kun Maria**  
Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
① 36 1 275 4668

**Kunchev Peter**  
Astronomy Dpt  
Univ of Sofia  
Anton Ivanov St 5  
BG 1126 Sofia  
Bulgaria  
☎ 359 2 68 8176  
① 359 2 68 9085

**Kundt Wolfgang**  
IAEF  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany  
☎ 49 228 26 7400  
① 49 228 73 3672

**Kundu Mukul R**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 454 3005  
① 1 301 314 9067

**Kunieda Hideyo**  
Astrophysics Dpt  
Nagoya Univ  
Furocho Chikusa Ku  
Nagoya 464 01  
Japan  
☎ 81 527 81 5111  
① 81 527 81 3541

**Kunitzsch Paul**  
Davidstr 17  
D 81679 Muenchen  
Germany

**Kunkel William E**  
CIW  
Las Campanas Observ  
Casilla 601  
La Serena  
Chile  
☎ 56 51 21 3032  
✉ kunkel@charlie.ctio.  
nao.edu

**Kunth Daniel**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8085  
① 33 1 44 32 8001

**Kunze Ruediger**  
Inst Theor Phys/  
Sternwarte Univ Kiel  
Olshausenstr 40  
D 24098 Kiel  
Germany  
☎ 49 431 880 1575  
① 49 431 880 4432  
✉ pas29@rz.uni-kiel.  
dbp.de

**Kuperus Max**  
Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5211  
① 31 30 253 1601  
✉ m.kuperus@fys.ruu.nl

**Kupliauskienė Alicija**  
Inst Theor Physics/  
Astronomy  
Gostauto 12  
Vilnius 2600  
Lithuania  
☎ 370 2 612 723  
① 370 2 224 694  
✉ kupl@itpa.fi.lt

**Kurfess James D**  
NRL  
Code 4150  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 3182

**Kuril'chik Vladimir N**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 139 1030  
① 7 095 939 0126

**Kurochka L N**  
Astronomical Observ  
Kyiv State Univ  
Observatornaya Ul 3  
252053 Kyiv  
Ukraine  
☎ 380 4421 62691

**Kurokawa Hiroki**  
Kwasan/Hida Obs  
Kyoto Univ  
Yamashina  
Kyoto 607  
Japan  
☎ 81 75 581 1235  
① 81 75 593 9617

**Kurpiska-Winiarska M**  
Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
① 48 12 25 1318

**Kurt Vitaliy G**  
Space Res Inst  
Acad Sciences  
Profsojuznaya Ul 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 3122  
① 7 095 310 7023

**Kurtanidze Omar**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
① 995 88 32 98 5017  
✉ okur@abao.kheta.ge

**Kurtz Donald Wayne**  
Astronomy Dpt  
Univ of Cape Town  
Private Bag  
7700 Rondebosch  
South Africa  
☎ 27 21 650 2394  
① 27 21 650 3342  
✉ dkurtz@uctvax.net.ac.za

**Kurtz Michael Julian**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7434  
① 1 617 495 7476  
✉ kurtz@cfa.harvard.edu

**Kurucz Robert L**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7429  
① 1 617 495 7356  
✉ kurucz@cfa.harvard.edu

**Kurzynska Krystyna**  
Astronomical Observ  
A Mickiewicz Univ  
Ul Sloneczna 36  
PL 60 286 Poznan  
Poland  
☎ 48 61 67 9670  
① 48 61 53 6536  
✉ kurzast@plpiumm

**Kus Andrzej Jan**  
Inst Radio Astronomy  
N Copernicus Univ  
Ul Gagarina 11  
PL 87 100 Torun  
Poland  
☎ 48 56 78 3327  
① 48 56 11 651

**Kushwaha R S**  
Mathematics Dpt  
Univ of Jodhpur  
Jodhpur 342 001  
India

**Kustaanheimo Paul E**  
Denmarks Tekn Højskole  
Lundtoftevej 7  
DK 2800 Lyngby  
Denmark  
☎ 45 42 88 3022

**Kusunose Masaaki**  
School of Science  
Kwansei Gakuin Univ  
1 155 Uegahara Ichiban cho  
Nishinomiya 662  
Japan  
☎ 81 798 54 6454  
① 81 798 51 0914  
✉ z96020@kgupyr.kwansei.ac.uk

**Kutner Marc Leslie**  
RPI  
Physics Dpt  
Troy NY 12180 3590  
USA  
☎ 1 518 266 6417

**Kutter G Siegfried**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8701

**Kutuzov Sergei A**  
Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
199164 St Petersburg  
Russia  
☎ 7 812 428 6649/315 1701  
① 7 812 428 4259  
✉ kvk@ast.lgu.spb.su

**Kuyken Koenraad H**  
Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 Av Groningen  
Netherlands  
☎ 31 50 363 4073  
① 31 50 363 6100

M126

**Kuzmanoski Mike**  
Astronomy Dpt  
Univ of Belgrade  
Studentski Trg 16  
11000 Beograd  
Yugoslavia FR  
☎ 381 11 638 715  
☎ 381 11 630 151

**Kuzmin Andrei V**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 1970  
☎ 7 095 932 8841  
✉ avk@sai.msu.su

**Kuzmin Arkadii D**  
Lebedev Physical Inst  
Acad Sciences  
Leninsky Pspt 53  
117924 Moscow  
Russia  
☎ 7 095 135 2250  
☎ 7 095 135 7880  
✉ akuzmin@prao.psn.ru

**Kwee K K**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 2727  
☎ 31 71 527 5819

**Kwitter Karen Beth**  
Astronomy Dpt  
Thompson Physics Lab  
Williams College  
Williamstown MA 01267  
USA  
☎ 1 413 597 2272  
☎ 1 413 597 3200  
✉ karen.b.kwitter@williams.edu

**Kwok Sun**  
Dpt Phys/Astronomy  
Univ of Calgary  
2500 University Dr NW  
Calgary AB T2N 1N4  
Canada  
☎ 1 403 220 5414  
☎ 1 403 289 3331  
✉ kwok@iras.ucalgary.ca

**Kylafis Nikolaos D**  
Physics Dpt  
Univ of Crete  
Box 1527  
GR 711 11 Iraklion  
Greece  
☎ 30 81 23 9757  
☎ 30 81 23 9735

## L

**La Bonte Barry James**

Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 6531  
ⓞ 1 808 988 2790

**la Dous Constanze A**

Sonneberg Observ  
Sternwärtstr 32  
D 96515 Sonneberg  
Germany  
☎ 49 367 581 210  
ⓞ 49 367 581 219  
✉ cld@stw.tu-ilmeneau.de

**La Padula Cesare**

IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
ⓞ 39 6 2066 0188

**Labay Javier**

Dpt Fisica Atmosfera  
Univ Barcelona  
Avd Diagonal 645  
E 08028 Barcelona  
Spain  
☎ 34 3 330 7311  
ⓞ 34 3 402 1133

**Labeyrie Antoine**

OHP  
F 04870 S Michel Obs  
France  
☎ 33 4 92 70 6400  
ⓞ 33 4 92 76 6295  
✉ labeyrie@obs-hp.fr

**Labeyrie Jacques**

CEA CEN, CFR  
BP 2  
F 91191 Gif/Yvette  
France  
☎ 33 1 69 7828

**Labhardt Lukas**

Astronomisches Institut  
Univ Basel  
Venusstr 7  
CH 4102 Binningen  
Switzerland  
☎ 41 61 205 5415  
ⓞ 41 61 205 5455  
✉ labhardt@astro.unibas.ch

**Labs Dietrich**

Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 110 036  
ⓞ 49 622 150 9202

**Lacey Cedric**

Theoretical Astrophysics Centre  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5902  
ⓞ 45 35 32 5910  
✉ lacey@tac.dk

**Lachize-Rey Marc**

DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 6292  
ⓞ 33 1 69 08 6577

**Laclare Francis**

OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 36 5849  
ⓞ 33 4 93 40 5353

**Lacy Cláud H**

Physics Dpt  
Univ of Arkansas  
104 Physics Bdg  
Fayetteville AR 72701  
USA  
☎ 1 501 575 2506  
ⓞ 1 501 575 4580  
✉ clacy@comp.uark.edu

**Lacy John H**

Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 1469  
ⓞ 1 512 471 6016

**Lada Charles Joseph**

CfA  
HCO/SAO MS 72  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7017  
ⓞ 1 617 495 7356  
✉ clada@cfa.harvard.edu

**Laffineur Marius**

21 bd Brune  
F 75014 Paris  
France

**Lafon Jean-Pierre J**

Observ Paris Meudon  
DASGAL  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7858  
ⓞ 33 1 45 07 7971

**Lagerkvist Claes-Ingvar**

Astronomical Observ  
Box 515  
S 751 20 Uppsala  
Sweden  
☎ 46 18 55 3780  
ⓞ 46 18 527 583  
✉ classe@astro.uu.se

**Lagerqvist Albin**

Inst Theoret Phys  
Vanadisvaegen 9  
S 113 46 Stockholm  
Sweden  
☎ 46 8 16 4500

**Lago Maria Teresa V T**

Centro Astrofisica  
Univ d Porto  
rua d Campo Alegre 823  
P 4150 Porto  
Portugal  
☎ 351 2 600 7081  
ⓞ 351 2 600 7082  
✉ mtlago@astro.up.pt

**Lagrange Anne-Marie**

Observ Grenoble  
Lab Astrophysique  
BP 53x  
F 38041 S Martin Heres Cdx  
France  
☎ 33 4 76 51 4203  
ⓞ 33 4 76 44 8821  
✉ lagrange@

**Lahav Ofer**

Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
ⓞ 44 12 23 337 523  
✉ o11@ast-star.cam.ac.uk

**Lahulla J Fornies**

Observ Astronomico  
Nacional  
Alfonso XII-3  
E 28014 Madrid  
Spain  
☎ 34 1 227 0107

**Lai Sebastiana**

Istt Astronomia  
Univ d Cagliari  
Via Ospedale 72  
I 09100 Cagliari  
Italy  
☎ 39 70 66 3544  
ⓞ 39 70 72 5425

**Laing Robert**

Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 37 4000  
ⓞ 44 12 23 374 700

**Laird John B**

Dpt Phys/Astronomy  
Royal Greenwich Obs  
Bowling Green State Univ  
Bowling Green OH 43403  
USA  
☎ 1 419 372 7244  
ⓞ 1 419 372 9938  
✉ laird@tycho.bgsu.edu

**Lake Kayll William**

Physics Dpt  
Queen's Univ  
Kingston ON K7L 3N6  
Canada  
☎ 1 613 547 3020  
ⓞ 1 613 545 6463

**Lal Devendra**

PRL  
Navrangpura  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
ⓞ 91 272 44 5292

**Lala Petr**

Office for Outer Space  
UN Office in Vienna  
Bg F 0818 Box 500  
A 1400 Wien  
Austria  
☎ 43 1 211 31 4952  
ⓞ 43 1 213 45 5830  
✉ plala@unov.un.or.at

**Lallement Rosine**

Service Aeronomie  
BP 3  
F 91371 Verrieres Buisson  
France  
☎ 33 1 64 47 4235

**Lamb Frederick K**  
Physics Dpt  
Univ of Illinois  
1110 W Green St  
Urbana IL 61801 3080  
USA  
☎ 1 217 333 6363  
☎ 1 217 333 4990  
✉ slamb@rigel.astro.  
uiuc.edu

**Lamb Richard C**  
Physics Dpt  
Iowa State Univ  
Ames IA 50011  
USA  
☎ 1 515 294 3873  
☎ 1 515 294 3262

**Lamb Susan Ann**  
Dpt Astron/Physics  
Univ of Illinois  
1002 W Green St  
Urbana IL 61801  
USA  
☎ 1 217 333 5550  
☎ 1 217 244 7638  
✉ slamb@rigel.astro.  
uiuc.edu

**Lamb Donald Quincy**  
Dpt Astron/Astrophys  
Univ of Chicago  
5801 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 702 7194  
☎ 1 312 702 2812  
✉ lamb@odjob.  
uchicago.edu

**Lambeck Kurt**  
Australian Ntl Univ  
Res School Earth Science  
Box 4  
Canberra ACT 2600  
Australia  
☎ 61 2 62 49 2487

**Lambert David L**  
Astronomy Dpt  
Univ of Texas  
Rim 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 7438  
☎ 1 512 471 6016  
✉ dll@astro.as.  
utexas.edu

**Lamers Henny J G L M**  
SRON  
Postbus 800  
Sorbonnelaan 2  
NL 3584 CA Utrecht  
Netherlands  
☎ 31 30 253 5720  
☎ 31 30 254 0860  
✉ henny1@srn.ruu.nl

**Lamla Erich E**  
Bruesselerstr 9  
D 5300 Bonn 1  
Germany

**Lamontagne Robert**  
Dpt d Physique  
Universite Montreal  
CP 6128 Succ A  
Montreal QC H3C 3J7  
Canada  
☎ 1 514 342 7273  
☎ 1 514 343 2071  
✉ 5007@cc.umontreal.ca

**Lampens Patricia**  
Koninklijke Sterrenwacht  
van België  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0263  
☎ 32 2 374 9822  
✉ patricia.lampens@  
oma.be

**Lampton Michael**  
Space Sci Laboratory  
Univ of California  
Grizzly Peak Blvd  
Berkeley CA 94720 7950  
USA  
☎ 1 510 642 3576  
☎ 1 510 643 8303  
✉ mlampton@ssl.  
berkeley.edu

**Lamy Philippe**  
LAS  
Traverse du Siphon  
Les Trois Lucs  
F 13376 Marseille Cdx 12  
France  
☎ 33 4 91 05 5932  
☎ 33 4 91 66 1855  
✉ lamy@frlasm51

**Lancaster Brown Peter**  
10a St Peter's Rd  
Aldbrough Suffolk  
UK

**Lanciano Nicoletta**  
Dpt Matematica  
Univ d Roma La Sapienza  
Pl A Moro 2  
I 00185 Roma  
Italy  
☎ 39 6 49 91 3254  
☎ 39 6 4470 1007  
✉ lanciano@uniroma1.it

**Lancon Ariane**  
Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0710  
☎ 33 3 88 15 0740  
✉ lancon@astro.u-  
strasbg.fr

**Lande Kenneth**  
Physics Dpt  
Univ of Pennsylvania  
Philadelphia PA 19104  
USA  
☎ 1 215 898 8177  
☎ 1 215 898 9336

**Landecker Peter Bruce**  
Hughes Space/Comm Co  
Bg 550 MS X 375  
Box 92919  
Los Angeles CA 90009  
USA  
☎ 1 310 364 8725  
☎ 1 310 364 5027  
✉ pblandecker@ccgate.  
hac.com

**Landecker Thomas L**  
DRAO  
NRCC/HIA  
Box 248  
Penicton BC V2A 6K3  
Canada  
☎ 1 250 493 2277  
☎ 1 250 493 7767

**Landi Degl-Innocenti E**  
Dpt Astronomia  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
☎ 39 55 22 0039

**Landini Massimo**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52247  
☎ 39 55 22 0039

**Landman Donald Alan**  
Mission Res Corp  
735 State St  
PO Drawer 719  
Santa Barbara CA 93102  
USA

**Landolfi Marco**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 275 2256  
☎ 39 55 22 0039  
✉ landolfi@arcetri.  
astro.it

**Landolt Arlo U**  
Dpt Phys/Astronomy  
Louisiana State Univ  
Baton Rouge LA 70803 4001  
USA  
☎ 1 504 388 8276  
☎ 1 504 334 1098  
✉ landolt@rouge.phys.  
lsu.edu

**Landstreet John D**  
Dpt Phys/Astronomy  
Univ W Ontario  
London ON N6A 3K7  
Canada  
☎ 1 519 679 2111\*6707  
☎ 1 519 661 2033  
✉ jlandstr@uwo.ca

**Lane Adair P**  
CFA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 496 7654  
☎ 1 617 495 7356  
✉ adain@cfa.harvard.edu

**Lane Arthur Lonnie**  
CALTECH/JPL  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 345 2725  
☎ 1 818 393 6030

**Laney Clifton D**  
SAAO  
PO Box 9  
7935 Observatory  
South Africa  
☎ 27 21 47 0025  
☎ 27 21 47 3639

**Lang James**  
Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 821 900  
☎ 44 12 35 445 808

**Lang Kenneth R**  
Dpt Phys/Astronomy  
Tufts Univ  
Robinson Hall  
Medford MA 02155  
USA  
☎ 1 617 381 3390

**Lang Mark**  
Physics Dpt  
Univ College  
Galway  
Ireland  
☎ 353 91 524 411\*3241  
☎ 353 91 525 700  
✉ mark.lang@ucg.ie

**Langer George Edward**  
Physics Dpt  
Colorado College  
Colorado Springs CO 80903  
USA  
☎ 1 303 473 2233\*578

**Langer Norbert**  
Inst Theor Phys/Astroph  
Univ Potsdam  
am Neuen Palais 10  
D 14469 Potsdam  
Germany  
✉ ntl@astro-physik.uni-  
potsdam.de

**Langer William David**  
CALTECH/JPL  
MS 169 506  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 5823  
☎ 1 818 393 6030

**Langhoff Stephen Robert**  
NASA/ARC  
MS 230 3  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 604 6213  
① 1 416 604 0350  
✉ langhoff@pegasms.  
arc.nasa.gov

**Lannes Andre**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
① 33 5 61 27 3179

**Lanning Howard Hugh**  
STScI/CSC  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4486  
① 1 301 338 4767  
✉ lanning@stsci.edu

**Lantos Pierre**  
Observ Paris Meudon  
DASOP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7767  
① 33 1 45 07 7971  
✉ pierre.lantos@  
obspm.fr

**Lanz Thierry**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5920  
① 1 301 286 1753  
✉ lanz@stars.gsfc.  
nasa.gov

**Lanza Antonino Francesco**  
Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 2238  
① 39 95 33 0592  
✉ nlanza@alpha4.ct.  
astro.it

**Lapasset Emilio**  
Observ Astronomico  
de Cordoba  
Laprida 854  
5000 Cordoba  
Argentina  
☎ 54 51 23 0491  
① 54 51 21 0613  
✉ lapasset@astro.  
edu.ar

**Lapuente Pilar Ruiz**  
Dpt Astronom Meteo  
Univ Barcelona  
Avd Diagonal 647  
E 08028 Barcelona  
Spain  
☎ 34 3 402 1121  
① 34 3 402 1133  
✉ pilar@farcm0.ub.es

**Lapushka K K**  
Astronomical Observ  
Latvian State Univ  
Rainis Bul 19  
LV 226098 Riga  
Latvia  
☎ 371 13 2 223149/611984  
① 371 782 0180  
✉ lapushka@astr2.lu.lv

**Laques Pierre**  
OMP  
9 r Pont de La mouette  
F 65200 Bagneres Bigorre  
France  
☎ 33 5 62 95 1969  
① 33 3 88 25 0160

**Lara Martin**  
ROA  
Cecilio Pujazon 22-3 A  
E 11110 San Fernando Cadiz  
Spain  
☎ 34 5 659 9367  
① 34 5 659 9366  
✉ mlara@roastr.roa.es

**Large Michael I**  
School of Physics  
UNSW  
Sydney NSW 2006  
Australia  
☎ 61 2 692 2222  
① 61 2 660 2903

**Lari Carlo**  
Istt Radioastronomia  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9385  
① 39 51 639 9385

**Larionov Mikhael G**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2378  
① 7 095 932 8841  
✉ mgl@sai.msu.su

**Larson Harold P**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 6943  
① 1 520 621 4933

**Larson Richard B**  
Astronomy Dpt  
Yale Univ  
Box 208101  
New Haven CT 06520 8101  
USA  
☎ 1 203 432 3015  
① 1 203 432 5048  
✉ larson@astro.yale.edu

**Larson Stephen M**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 4973  
① 1 520 621 4933

**Larsson Stefan**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltholmsbaden  
Sweden  
☎ 46 8 716 4464  
① 46 8 717 4719  
✉ larsson@astro.su.se

**Larsson-Leander Gunnar**  
Lund Observ  
Box 43  
S 221 00 Lund  
Sweden  
☎ 46 46 222 7000  
① 46 46 222 4614

**Lasala Gerald J**  
Physics Dpt  
Univ Southern Maine  
96 Falmouth St  
Portland ME 04103  
USA  
☎ 1 207 780 4557  
① 1 207 780 4933  
✉ lasala@portland

**Lasenby Anthony**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 274  
① 44 12 23 354 599

**Lasher Gordon Jewett**  
IBM  
T J Watson Res Ctr  
Box 218  
Yorktown Heights NY 10598  
USA

**Laskar Jacques**  
BDL  
77 Av Denfert Rochereau  
F 75014 Paris  
France  
☎ 33 1 40 51 2274  
① 33 1 46 33 2834  
✉ laskar@bdl.fr

**Laskarides Paul G**  
Astronomy Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3211  
① 30 1 723 5122  
✉ plaskar@atlas.uoa.gr

**Lasker Barry M**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4840  
① 1 301 338 5075  
✉ lasker@stsci.edu

**Lasota Jean-Pierre**  
Observ Paris Meudon  
DARC  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7416  
① 33 1 45 07 7971

**Latham David W**  
CFA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7215  
① 1 617 495 7467  
✉ dlatham@cfa.harvard.edu

**Latour Jean J**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
① 33 5 61 27 3179

**Lattanzi Mario G**  
Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9000  
① 39 11 461 9030  
✉ lattanzi@to.astro.it

**Lattanzio John**  
Mathematics Dpt  
Monash Univ  
Wellington Rd  
Clayton VIC 3168  
Australia  
☎ 61 3 9905 4428  
① 61 3 9905 4930  
✉ johnl@flash.maths.monash.  
edu.au

**Latter William B**  
IPAC/CALTECH  
MS 100 22  
Pasadena CA 91125  
USA  
☎ 1 626 397 7356  
① 1 626 397 9600  
✉ latter@ipac.caltech.edu



**Lattimer James M**  
Dpt Earth/Space Sci  
Astronomy Program  
Sunny at Stony Brook  
Stony Brook NY 11794 2100  
USA  
☎ 1 516 632 8227  
☎ 1 516 632 8176  
✉ lattimer@astro.  
sunysb.edu

**Latypov A A**  
Astronomical Institute  
Uzbek Acad Sci  
Astronomicheskaya Ul 33  
700052 Tashkent  
Uzbekistan  
☎ 7 3712 35 8102  
✉ admin@astrin.silk.  
glas.opc.org

**Lauberts Andris**  
FOA 3  
Box 1165  
S 581 11 Linköping  
Sweden  
☎ 46 13 11 8235  
☎ 46 13 13 1665

**Launay Francoise**  
Observ Paris Meudon  
DASGAL  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7550  
☎ 33 1 45 07 7121  
✉ francoise.launay@  
obsmp.fr

**Launay Jean-Michel**  
Observ Paris Meudon  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7554  
☎ 33 1 45 07 7971

**Laureijs Rene J -**  
ESA  
Apt 50727 Villafranca  
E 28080 Madrid  
Spain  
☎ 34 1 813 1367  
☎ 34 1 813 1308  
✉ rlaurey@iso.vilspa.  
esa.es

**Laurent Bertel E**  
Inst Theoret Phys  
Vanadisvaegen 9  
S 113 46 Stockholm  
Sweden  
☎ 46 8 16 4500

**Laurent Claudine**  
Observ Paris  
DEMIRM  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2221  
☎ 33 1 44 54 1804

**Laurikainen Eija**  
Dpt Geosc/Astronomy  
Univ of Oulu  
Box 333  
FIN 90570 Oulu  
Finland  
☎ 358 81 553 1936  
☎ 358 81 553 1934  
✉ eija@seita.oulu.fi

**Lausberg Andre**  
Inst Astrophysique  
Universite Liege  
Av Coite 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
☎ 32 4 254 7511  
✉ lausberg@astro.  
ulg.ac.be

**Lautman D A**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7461  
☎ 1 617 495 7356

**Laval Annie**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
☎ 33 4 91 62 1190

**Lavrov Mikhail I**  
Engelhardt Astronom  
Observ  
Observatoria Station  
422526 Kazan  
Russia  
☎ 7 32 4827

**Lavrukhina Augusta K**  
Vernadsky Inst Geochem/  
Analytical Chemistry  
Kosygin Str 19  
117334 Moscow  
Russia  
☎ 7 095 137 7538

**Lawrence Andrew**  
Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 668 8346  
☎ 44 131 668 8356  
✉ al@roe.ac.uk

**Lawrence Charles R**  
CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 356 4976  
☎ 1 818 568 1517

**Lawrence G M**  
LASP  
Univ of Colorado  
Campus Box 392  
Boulder CO 80309 0392  
USA

**Lawrence John Keeler**  
Dpt Phys/Astronomy  
San Fernando Observ  
California State Univ.  
Northridge CA 91330 8268  
USA  
☎ 1 818 541 0649  
☎ 1 818 541 0663  
✉ jlawrence@galileo.  
csun.edu

**Lawrie David G**  
Aerospace Corp  
MS M4 041  
Box 92957  
Los Angeles CA 90009 2957  
USA  
☎ 1 310 648 6142  
☎ 1 310 336 1636

**Lawson Warrick**  
Senior Lecturer.  
School of Physics  
Australian Defense Force Academy  
Canberra ACT 2600  
Australia  
☎ 61 2 62 688 810  
☎ 61 26 268 8786  
✉ w-lawson@adfa.oz.au

**Layden Andrew Cholsy**  
Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 763 6318  
☎ 1 313 763 6317  
✉ layden@astro.lsa.  
umich.edu

**Layzer David**  
CfA  
HCO/SAO MS 31  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7000  
☎ 1 617 495 7356

**Lazareff Bernard**  
Observ Grenoble  
Lab Astrophysique  
BP 53x  
F 38041 S Martin Heres Cdx  
France  
☎ 33 4 76 51 4600  
☎ 33 4 76 44 8821

**Lazaro Carlos**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Lazovic Jovan P**  
Astronomy Dpt  
Univ of Belgrade  
Studentski Trg 16  
11000 Beograd  
Yugoslavia FR  
☎ 381 11 638 715  
☎ 381 11 630 151

**Lazzaro Daniela**  
Observ Nacional  
Rua Gl Bruce 586  
San Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 7181  
☎ 55 21 580 0332  
✉ daza@inccvm

**Le Borgne Jean-Francois**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 33 2929  
☎ 33 5 61 53 6722  
✉ leborgne@obs-mip.fr

**Le Bourlot Jacques**  
Observ Paris Meudon  
DAEC  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7566  
☎ 33 1 45 07 7469  
✉ lebourlot@obsmp.fr

**Le Contel Jean-Michel**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
☎ 33 4 92 00 3033

**Le Dourneuf Maryvonne**  
Observ Paris Meudon  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7555  
☎ 33 1 45 07 7971

**Le Fevre Olivier**  
Observ Paris Meudon  
DAEC  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7555  
☎ 33 1 45 07 7469

**Le Floch Andre**  
Dpt d Physique  
Universite Tours  
F 37200 Tours  
France  
✉ lefloch@univ-tours.fr

**Le Poole Rudolf S**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5835  
☎ 31 71 527 5819  
✉ lepoole@strw.leidenuniv.nl

**Le Squeren Anne-Marie**  
GRAAL  
Univ Montpellier II  
Pl E Bataillon  
F 34095 Montpellier Cdx 5  
France  
☎ 33 4 67 14 3567  
📠 33 4 67 54 4850

**Lea Susan Maureen**  
Dpt Phys/Astronomy  
San Francisco State Univ  
1600 Holloway Av  
San Francisco CA 94132  
USA  
☎ 1 415 338 1655  
📠 1 415 338 2178  
✉ lea@stars.sfsu.edu

**Leach Sydney**  
Observ Paris Meudon  
DAMAP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7561  
📠 33 1 45 07 7100  
✉ leach@obspm.fr

**Leacock Robert Jay**  
Astronomy Dpt  
Univ of Florida  
211 SSRB  
Gainesville FL 32611  
USA  
☎ 1 904 392 2052  
📠 1 904 392 5089

**Leahy Denis A**  
Physics Dpt  
Univ of Calgary  
2500 University Dr NW  
Calgary AB T2N 1N4  
Canada  
☎ 1 403 220 7192  
📠 1 403 289 3331

**Leahy J Patrick**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
📠 44 147 757 1618  
✉ jpl@uk.ac.man.  
jb.star

**Leblanc Yolande**  
Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7759  
📠 33 1 45 07 7971

**Lebofsky Larry Allen**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 6947  
📠 1 520 621 4933

**Lebovitz Norman R**  
Mathematics Dpt  
Univ of Chicago  
5734 S University Av  
Chicago IL 60637  
USA  
☎ 1 312 702 7329

**Lebre Agnes**  
GRAAL  
Univ Montpellier II  
Pl E Bataillon  
F 34095 Montpellier Cdx 5  
France  
☎ 33 4 67 14 4735  
📠 33 4 67 14 4535  
✉ lebre@graal.univ-  
montp2.fr

**Lebreton Yveline**  
Observ Paris Meudon  
DASGAL  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7859  
📠 33 1 45 07 7971  
✉ lebreton@obspm.fr

**Lecar Myron**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7251  
📠 1 617 495 7356

**Leckrone David S**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8904  
📠 1 301 286 8709

**Lederle Trudert**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 50  
📠 49 622 140 5297  
✉ s00@mvs.urz.uni-  
heidelberg.de

**Ledlow Michael James**  
Dpt Phys/Astronomy  
Univ New Mexico  
800 Yale Blvd NE  
Albuquerque NM 87131  
USA  
☎ 1 505 277 4521  
📠 1 505 277 1520  
✉ mledlow@wombat.  
phys.unm.edu

**Lee Dong Hun**  
Dpt Astron/Space Sci  
Kyunghee Univ  
Yong In Univ  
Kyunggee 449 701  
Korea RP  
☎ 82 331 86 131  
✉ dhlee@nms.kyunghee.ac.kr

**Lee Hyung Mok**  
Dpt Earth Sciences  
Pusan Ntl Univ  
Kum Jong Ku  
Pusan 609 735  
Korea RP  
☎ 82 515 10 2702  
📠 82 515 13 7495  
✉ hmlee@hyowon.  
pusan.ac.kr

**Lee Jong Truenliang**  
Taiwan  
China R

**Lee Myung Gyoon**  
Astronomy Dpt  
Seoul Ntl Univ  
Kwanak Ku  
Seoul 151 742  
Korea RP  
☎ 82 288 06 621  
📠 82 288 71435  
✉ mglee@astrog.  
smu.ac.kr

**Lee Paul D**  
Dpt Phys/Astronomy  
Louisiana State Univ  
Baton Rouge LA 70803 4001  
USA  
☎ 1 504 388 2261  
📠 1 504 388 5855

**Lee Sang Gak**  
Astronomy Dpt  
Seoul Ntl Univ  
Kwanak Ku  
Seoul 151  
Korea RP  
☎ 82 877 21 31/2139  
📠 82 288 7135

**Lee See-woo**  
Astronomy Dpt  
Seoul Ntl Univ  
Kwanak Ku  
Seoul 151  
Korea RP  
☎ 82 877 21 31/9\*3308  
📠 82 288 71435

**Lee Terence J**  
Royal Observ  
Head of Technology  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 667 3321  
📠 44 131 668 8356

**Lee Thyphoon**  
Inst Earth Sciences  
Academia Sinica  
Box 23 59  
Taipei 107  
China R  
☎ 886 2 396 3211

**Lee Woo-balk**  
Korea Astronomy Obs/ISSA  
36 1 Whaam Dong  
Yuseong Gu  
Taejon 305 348  
Korea RP  
☎ 82 428 61 5611  
📠 82 428 61 5610

**Lee Yong-Sam**  
Dpt Astronomy/Space Sci  
Chungbuk Ntl Univ  
San 48 Gaeshin Dong  
Cheongju 360 763  
Korea RP  
☎ 82 431 61 2314  
📠 82 431 67 4232  
✉ yslee@cbucc.cbu.ac.kr

**Lee Young Wook**  
Astronomy Dpt  
Yonsei Univ  
Shinchon 134 Seodaemooon K  
Seoul 120 749  
Korea RP  
☎ 82 236 12 689  
📠 82 231 35 033  
✉ ywlee@galaxy.yonsei.ac.kr

**Leedjaery Laurits**  
Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia  
☎ 372 7 410 343  
📠 372 7 410 205  
✉ leed@aai.ee

**Leer Egil**  
Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway  
☎ 47 22 856 503  
📠 47 22 85 6505

**Lefebvre Michel**  
CNES/GRGS/BGI  
18 Av E Belin  
F 31055 Toulouse Cdx  
France  
☎ 33 5 61 27 3131  
📠 33 5 61 27 3179

**Lefevre Jean**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
📠 33 4 92 00 3033

**Leger Alain**  
IAS  
Bt 121  
Universite Paris XI  
F 91405 Orsay Cdx  
France  
☎ 33 1 69 85 8580  
📠 33 1 69 85 8675  
✉ leger@iaslab.ias.fr

**Legg Thomas H**  
NRCC/HIA  
100 Sussex Dr  
Ottawa ON K1A 0R6  
Canada  
☎ 1 613 993 6060  
📠 1 613 952 6602

**Lehman Holger**

Thueringer Landessternwarte  
Sternwarte 5  
D 07778 Tautenburg  
Germany  
☎ 49 364 278 630  
① 49 364 278 6329  
✉ lehm@tlis-tautenburg.de

**Lehmann Marek**

Astronomical Latitude Observ  
Polish Acad Sciences  
Borowiec  
PL 62 035 Kornik  
Poland  
☎ 48 61 17 0187  
① 48 61 17 0219  
✉ marek@cbk.paznan.pl

**Lehnert B P**

Dpt Plasma Physics  
Royal Inst of Technology  
S 100 44 Stockholm 70  
Sweden  
☎ 46 87 87 7763

**Lehto Harry J**

Turku Univ  
Tuorla Observ  
Vaesisaelantie 20  
FIN 21500 Piikkio  
Finland  
☎ 358 2 274 4263  
① 358 2 243 3767  
✉ hlehto@utu.fi

**Leibacher John**

NOAO/NSO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 325 9302  
① 1 520 325 9305  
✉ jleibacher@noao.arizona.edu

**Leibowitz Elia M**

Dpt Phys/Astronomy  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 413 788  
① 972 3 640 8179

**Leibundgut Bruno**

ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6295  
① 49 893 202 362

**Leighly Karen Marie**

Astronomy Dpt  
Columbia Univ  
538 W 120th St  
New York NY 10027  
USA  
☎ 1 212 854 3927  
① 1 212 854 8121  
✉ leighly@postman.riken.go.jp

**Leikin Grigerij A**

Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
① 7 095 230 2081

**Leinert Christoph**

MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 8264  
① 49 622 152 8246  
✉ leinert@mpia-hd.mpg.de

**Leisawitz David**

NASA GSFC  
Code 631  
Greenbelt MD 20771  
USA  
☎ 1 301 286 0807  
① 1 301 286 1771  
✉ leisawitz@stars.gsfc.nasa.gov

**Leister Nelson Vani**

IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
① 55 11 276 3848  
✉ leister@vax.lagusp.usp.br

**Leite Scheid Paulo**

Observ Nacional  
Rua Gi Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 7313  
① 55 21 580 0332

**Leitherer Claus**

STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4425  
① 1 301 338 4767  
✉ leithererstsci.edu

**Lekht Evueni**

INAOE  
Tonantzintlaz  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico  
☎ 52 2 247 2011  
① 52 2 247 2231

**Lelievre Gerard**

Observ Paris  
DASGAL  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2255  
① 33 1 40 51 2232  
✉ lelievre@obspm.fr

**Lemaire Jean-louis**

Observ Paris Meudon  
DAMAP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7563  
① 33 1 45 07 7469

**Lemaire Joseph F**

IASB  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0407  
① 32 2 374 8423  
✉ jl@oma.be

**Lemaire Philippe**

IAS  
Bt 121  
Universite Paris XI  
F 91405 Orsay Cdx  
France  
☎ 33 1 69 85 8622  
① 33 1 69 85 8675  
✉ lemaire@iaslab.ias.fr

**Lemaître Anne**

Dpt Mathématique  
FUNDP  
Rempart de la Vierge 8  
B 5000 Namur  
Belgium  
☎ 32 81 72 4908  
① 32 81 72 4914  
✉ alemaitre@math.fundp.ac.be

**Lemaître Gerard R**

Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
① 33 4 91 62 1190

**Lemke Dietrich**

MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 8259  
① 49 622 152 8246  
✉ lemke@mpia-hd.mpg.de

**Lemke Michael**

Dr Remeis Sternwarte  
Univ Erlangen-Nuernberg  
Sternwartstr 7  
D 96049 Bamberg  
Germany  
☎ 49 951 952 2216  
① 49 951 952 2222  
✉ ai26@a400.sternwarte.uni-erlangen.de

**Lena Pierre J**

Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7719  
① 33 1 45 07 7971

**Lenhardt Helmut**

ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 5251  
① 49 622 140 5297  
✉ s29@mvs.urz.uni-heidelberg.de

**Lenzen Rainer**

MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 80  
① 49 622 152 8246  
✉ lenzen@mpia-hd.mpg.de

**Leonard Peter James T**

NASA/GSFC  
Code 660 1  
Greenbelt MD 20771  
USA  
☎ 1 301 286 7632  
① 1 301 286 1681  
✉ leonard@cossc.gsfc.nasa.gov

**Leone Francesco**

Osserv Astronomico  
di Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 2229  
① 39 95 33 0592  
✉ fleone@astrct.ct.astro.it

**Leorat Jacques**

Observ Paris Meudon  
DAEC  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7421  
① 33 1 45 07 7971

**Lepine Jacques R D**

IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 275 3720  
① 55 11 276 3848

**Lepp Stephen H**

Physics Dpt  
Univ of Nevada  
4505 S Maryland Parkway  
Las Vegas NV 89154  
USA  
☎ 1 702 739 3653  
① 1 702 739 0804  
✉ lepp@physics.unlv.edu

**Lequeux James**

DEMIRM  
ENS  
24 r Lhomond  
F 75231 Paris Cdx 05  
France  
☎ 33 1 43 29 1215  
① 33 1 40 51 2002  
✉ aanda@frmeu51

- Leroy Bernard**  
Observ Paris Meudon  
DASOP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7812  
ⓞ 33 1 45 07 7959
- Leroy Jean-Louis**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 33 2929  
ⓞ 33 5 61 27 3179  
✉ leroy@obs-mip.fr
- Lesage Alain**  
Observ Paris Meudon  
DASGAL  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7829  
ⓞ 33 1 45 07 7878
- Lesch Harold**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 1  
ⓞ 49 228 525 229
- Leschiutta S**  
Politecnico d Torino  
Univ d Torino  
Corso d Azeglio 46  
I 10125 Torino  
Italy  
☎ 39 11 556 7235
- Lester Daniel F**  
Astronomy Dpt  
Univ of Texas  
Rim 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 3442  
ⓞ 1 512 471 6016
- Lester John B**  
Astronomy Dpt  
Univ of Toronto  
Erindale College  
Mississauga ON L5J 1C6  
Canada  
☎ 1 416 828 5356  
ⓞ 1 416 828 5328
- Lesteven Soizick**  
Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0747  
ⓞ 33 3 88 15 0740  
✉ lesteven@astro.u-strasbg.fr
- Lestrade Jean-Francois**  
Observ Paris Meudon  
ARPEGES  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7601  
ⓞ 33 1 45 07 7939  
✉ lestrade@obspm.fr
- Letfus Vojtech**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7225  
ⓞ 420 2 88 1611
- Leto Giuseppe**  
Radioastronomy Inst  
CNT  
Contrada Renna Bassa CP 141  
I 96017 Noto  
Italy  
☎ 39 931 824 111  
ⓞ 39 931 824122  
✉ pletto@ira.noto.cnr.it
- Leung Chun Ming**  
Physics Dpt  
Rensselaer Polytechn Inst  
Troy NY 12180 3590  
USA  
☎ 1 518 266 6318
- Leung Kam Ching**  
Dpt Phys/Astronomy  
Univ Nebraska  
Behlen Observatory  
Lincoln NE 68588 0111  
USA  
☎ 1 402 472 2770  
ⓞ 1 402 472 2879
- Levasseur-Regourd A.-C.**  
Service Aeronomie  
BP 3  
F 91371 Verrieres Buisson  
France  
☎ 33 1 64 47 4293  
ⓞ 33 1 43 29 8673  
✉ chantal.levasseur@aerov.jussieu.fr
- Levato Orlando Hugo**  
Complejo Astronomico  
El Leoncito  
CC 467  
5400 San Juan  
Argentina  
☎ 54 64 21 3693  
ⓞ 54 64 21 1475  
✉ levato@castec.edu.ar
- Levine Randolph H**  
50 Carver Rd  
Newton MA 02161  
USA  
☎ 1 617 965 5953
- Levison Harold F**  
USNO  
Flagstaff Station  
Box 1149  
Flagstaff AZ 86002 1149  
USA  
☎ 1 602 779 5132  
ⓞ 1 520 774 3626
- Levreault Russell M**  
35 Payson Av  
Easthampton MA 01027  
USA  
☎ 1 413 527 9442
- Levy Eugene H**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 6962  
ⓞ 1 520 621 4933
- Levy Jacques R**  
Observ Paris  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 43 20 1210  
ⓞ 33 1 44 54 1804
- Lewin Walter H G**  
Physics Dpt  
MIT Rm 37 627  
Box 165  
Cambridge MA 02139 4307  
USA  
☎ 1 617 253 4282  
ⓞ 1 617 253 9798
- Lewis Brian Murray**  
Arecibo Observ  
Box 995  
Arecibo PR 00612  
USA  
☎ 1 809 878 2612  
✉ blewis@naic.edu
- Lewis J S**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 4972  
ⓞ 1 520 621 4933
- Li Chun-Sheng**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 34651\*2882  
ⓞ 86 25 330 2728
- Li Depel**  
Nanjing Astronomical  
Instrument Factory  
Box 846  
Nanjing  
China PR  
☎ 86 25 46191  
ⓞ 86 25 71 1256
- Li Dongming**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
ⓞ 86 25 301 459
- Li Gi Man**  
Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239
- Li Guoping**  
Ctr for Astronomy  
Instrument Res  
CAS  
Nanjing 210042  
China PR  
☎ 86 25 542 1770  
ⓞ 86 25 541 1872
- Li Gyong Won**  
Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239
- Li Hong-Wei**  
JILA  
Univ of Colorado  
Campus Box 440  
Boulder CO 80309  
USA  
☎ 1 303 492 7789  
ⓞ 1 303 492 5235
- Li Hui**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 331 7874/443 033  
ⓞ 86 25 330 1459  
✉ lihui@public1.ptt.js.cn
- Li Hyok Ho**  
Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239
- Li Jing**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 22 040  
ⓞ 86 1 256 10855
- Li Jinxing**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
ⓞ 86 21 6438 4618  
✉ jil@center.shao.ac.cn

**Li Kejun**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 384 0510  
① 86 871 717 1845  
✉ ynao@public.km.  
yn.cn

**Li Linghual**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 330 7609  
① 86 25 330 1459  
✉ linghual@public1.  
ppt.js.nj

**Li Neng-Yao**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 37609  
① 86 25 301 459

**Li Qi**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6256 6698  
① 86 1 256 10855  
✉ hyb@bao01.bao.  
ac.cn

**Li Qibin**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6255 1698  
① 86 1 256 10855  
✉ lqb@bao01.bao.  
ac.cn

**Li Sin Hyong,**  
Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Li Son Jae**  
Pyongyang Astron Obs  
Acad Sciences DPRK  
Taesong district  
Pyongyang  
Korea DPR  
☎ 850 5 3134/5 & 5 3239

**Li Ting**  
Nanjing Astronomical  
Instrument Factory  
Box 846  
Nanjing  
China PR  
☎ 86 25 46191  
① 86 25 71 1256

**Li Tipei**  
Inst High Energy Phys  
CAS  
Box 918  
Beijing  
China PR  
☎ 86 10 821 3344  
① 86 10 821 3374

**Li Wei**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 62 61 2194  
① 86 1 256 10855  
✉ lw@sun10.bao.ac.cn

**Li Weibao**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
① 86 871 717 1845

**Li Xiaoqing**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 31096  
① 86 25 301 459

**Li Yan**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 717 2946  
① 86 871 717 1845  
✉ ynao@public.km.  
yn.cn

**Li Yuanjie**  
Physics Dpt  
Huazhong Normal Univ  
Wuhan  
China PR  
☎ 86 87 0541 7122

**Li Zhengxin**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618  
✉ lzx@center.shao.ac.cn

**Li Zhengxing**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 335 1917  
① 86 25 330 1459  
✉ pmoyl@ba001.bao.ac.cn

**Li Zhian**  
Astronomy Dpt  
Beijing Normal Univ  
Beijing 100875  
China PR  
☎ 86 1 201 2255\*2618  
① 86 1 201 3929  
✉ lxf@class1.bao.ac.cn

**Li Zhifang**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Li Zhigang**  
Shaanxi Observ  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 33 2255  
① 86 9237 3496

**Li Zhiping**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6256 7194  
① 86 1 256 10855  
✉ lizhi@class1.bao.  
ac.cn

**Li Zhisen**  
Beijing Astronomical Obs  
CAS  
W Suburb  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Li Zhongyuan**  
Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 33 1134  
① 86 551 33 1760  
✉ lzy@ms.ess.ustc.cn

**Li Zongwei**  
Astronomy Dpt  
Beijing Normal Univ  
Beijing 100875  
China PR  
☎ 86 10 204 2288  
① 86 1 201 3929

**Liang Edison,P**  
Dpt Phys/Astronomy  
Rice Univ  
Box 1892  
Houston TX 77251 1892  
USA  
☎ 1 713 527 8101\*3524  
① 1 713 285 5143  
✉ liang@vega.rice.edu

**Liang Shiguang**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Liang Zhonghuan**  
Shaanxi Observ  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 33 2255  
① 86 9237 3496

**Liao De-chun**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618  
✉ ldc@center.shao.ac.cn

**Liao Xinhao**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 63 7651\*2884  
① 86 25 330 2728

**Libbrecht Kenneth G**  
CALTECH  
MS 264 33  
Big Bear Solar Obs  
Pasadena CA 91125  
USA  
☎ 1 818 356 3722  
① 1 909 866 4240  
✉ kgl@sundog.caltech.edu

**Liddell U**  
NASA Headquarters  
Space Sci/Applications  
600 Independence Av SW  
Washington DC 20546  
USA  
☎ 1 202 358 1409

**Liddle Andrew**  
Astronomy Centre  
Univ of Sussex  
Falmer  
Brighton BN1 9QH  
UK  
☎ 44 12 73 606 755 \*2933  
① 44 12 73 678 097  
✉ arl@starlink.sussex.ac.uk

**Liebert James W**  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 4513  
① 1 520 621 1532  
✉ liebert@arizrvax

**Liebscher Dierck-E**  
Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9231  
① 49 331 749 9309  
✉ deliebscher@aip.de

**Lieske Jay H**  
 CALTECH/JPL  
 MS 301 150  
 4800 Oak Grove Dr  
 Pasadena CA 91109 8099  
 USA  
 ☎ 1 818 354 3642  
 ☎ 1 818 354 3437  
 ✉ jhl@naif.jpl.nasa.gov

**Liffman Kurt**  
 Fluid Dynamics Lab  
 CSIRO/DBCE  
 Box 56  
 Highett VIC 3190  
 Australia

**Likkel Lauren Jones**  
 Program in Astronomy  
 Washington State Univ  
 Mathematics Dpt  
 Pullman WA 99165 3113  
 USA  
 ☎ 1 509 335 3172  
 ☎ 1 509 335 1188  
 ✉ likkel@beta.math.  
 wsu.edu

**Lilje Per Vidar Barth**  
 Inst Theor Astrophys  
 Univ of Oslo  
 Box 1029  
 N 0315 Blindern Oslo 3  
 Norway  
 ☎ 47 22 856 501  
 ☎ 47 22 856 505  
 ✉ per.lilje@astro.  
 uio.no

**Liller William**  
 Instituto Isaac Newton  
 Casilla 8 9  
 Santiago 9  
 Chile  
 ☎ 56 2 217 2013  
 ☎ 56 2 217 2352

**Lilley Edward A**  
 CFA  
 HCO/SAO  
 60 Garden St  
 Cambridge MA 02138 1516  
 USA  
 ☎ 1 617 495 3971  
 ☎ 1 617 495 7356

**Lillie Charles F**  
 TRW Space/Technology  
 1 Space Park  
 Redondo Beach CA 90278  
 USA  
 ☎ 1 213 812 2248

**Lilly Simon J**  
 Astronomy Dpt  
 Univ of Toronto  
 60 St George St  
 Toronto ON M5S 1A1  
 Canada  
 ☎ 1 416 978 2183  
 ☎ 1 416 971 2026  
 ✉ lilly@astro.utoronto.ca

**Lima Botti Luiz Claudio**  
 CRAAE INPE  
 EPUSP/PTR  
 CP 61548  
 01065 970 Sao Paulo SP  
 Brazil  
 ☎ 55 11 815 5936  
 ☎ 55 11 815 6289  
 ✉ lcibotti@bruspv.m

**Lin Chia C**  
 Mathematics Dpt  
 MIT Rm 2 224  
 Box 165  
 Cambridge MA 02139  
 USA  
 ☎ 1 617 253 1796

**Lin Douglas N C**  
 Lick Observ  
 Univ of California  
 Santa Cruz CA 95064  
 USA  
 ☎ 1 831 429 2732  
 ☎ 1 831 426 3115

**Lin Qinchang**  
 Guangzhou Satellite Station  
 Acad Sciences  
 Wushan  
 Guangzhou 510650  
 China PR  
 ☎ 86 20 8770 7002\*20 8774  
 3534  
 ☎ 86 20 8772 2081  
 ✉ gzgsos@public.  
 guangzhou.gd.cn

**Lin Yuanzhang**  
 Beijing Astronomical Obs  
 CAS  
 Beijing 100080  
 China PR  
 ☎ 86 1 28 1698  
 ☎ 86 1 256 10855

**Lincoln J Virginia**  
 2005 Alpine Dr  
 Boulder CO 80304  
 USA  
 ☎ 1 303 442 6757

**Lindblad Bertil A**  
 Lund Observ  
 Box 43  
 S 221 00 Lund  
 Sweden  
 ☎ 46 46 222 7000  
 ☎ 46 46 222 4614  
 ✉ linasu@gemini.ldc.  
 lu.se

**Lindblad Per Olof**  
 Stockholm Observ  
 Royal Swedish Acad Sciences  
 S 133 36 Saltsjoebaden  
 Sweden  
 ☎ 46 8 717 0380  
 ☎ 46 8 717 4719  
 ✉ lindblad@astro.  
 su.se

**Linde Peter**  
 Lund Observ  
 Box 43  
 S 221 00 Lund  
 Sweden  
 ☎ 46 46 222 4701  
 ☎ 46 46 222 4614  
 ✉ peter@astro.lu.se

**Lindgren Lennart**  
 Lund Observ  
 Box 43  
 S 221 00 Lund  
 Sweden  
 ☎ 46 46 222 7309  
 ☎ 46 46 222 4614

**Lindgren Harri**  
 Robinson Crusoe 966  
 Dpt 133  
 Las Condes  
 Santiago  
 Chile  
 ☎ 56 2 201 2492  
 ✉ harri@astro.nastol.  
 lu.se

**Lindsey Charles Allan**  
 NOAO/NSO  
 Box 26732  
 950 N Cherry Av  
 Tucson AZ 85726 6732  
 USA  
 ☎ 1 520 325 9294  
 ☎ 1 520 325 9278

**Ling Chih-Bing**  
 Inst of Mathematics  
 Academia Sinica  
 Box 143  
 Taipei  
 China R

**Ling J**  
 Observ Astronomico  
 Ramon Maria Aller  
 Avd de Las Ciencias S/n  
 E Santiago de Compostela  
 Spain  
 ☎ 34 8 159 2747  
 ☎ 34 8 156 2569

**Lingenfelter Richard E**  
 CASS  
 UCSD  
 C 011  
 La Jolla CA 92093 0216  
 USA  
 ☎ 1 619 452 2464  
 ☎ 1 619 534 2294

**Linke Richard Alan**  
 8 Anderson Lane  
 Princeton NJ 08540  
 USA

**Linnell Albert P**  
 5323 NE 42nd St  
 Seattle WA 98105 4910  
 USA  
 ☎ 1 425 522 8319  
 ✉ linnell@msupa.pa.msu.edu

**Linsky Jeffrey L**  
 JILA  
 Univ of Colorado  
 Campus Box 440  
 Boulder CO 80309 0440  
 USA  
 ☎ 1 303 492 7838  
 ☎ 1 303 492 5235  
 ✉ jlinsky@jila.colorado.edu

**Linsley John**  
 Dpt Phys/Astronomy  
 Univ New Mexico  
 800 Yale Blvd Ne  
 Albuquerque NM 87131  
 USA  
 ☎ 1 505 243 1924

**Lippincott Sarah Lee**  
 29 Kendal Dr  
 Kennett Square  
 Kennett Square PA 19348 2323  
 USA  
 ☎ 1 610 388 1448

**Lipschutz Michael E**  
 Wetherill Chemistry Bldg  
 Purdue Univ  
 W Lafayette IN 47907  
 USA  
 ☎ 1 317 494 5326

**Lipunov Vladimir M**  
 SAI  
 Acad Sciences  
 Universitetskij Pr 13  
 119899 Moscow  
 Russia  
 ☎ 7 095 939 5006  
 ☎ 7 095 939 0126  
 ✉ lipunov@sai.msu.ru

**Liritzis Ioannis**  
 Res Ctr Astronomy  
 Acad Athens  
 14 Anagnostopoulou St  
 GR 106 73 Athens  
 Greece  
 ☎ 30 1 361 3589  
 ☎ 30 1 363 1606

**Lis Dariusz C**  
 CALTECH  
 MS 320 47  
 Downs Laboratory Physics  
 Pasadena CA 91125  
 USA

☎ 1 818 395 6617  
 ☎ 1 818 796 8806  
 ✉ dcl@taos.caltech.edu

**Liseau Rene**  
 Stockholm Observ  
 Royal Swedish Acad Sciences  
 S 133 36 Saltsjoebaden  
 Sweden  
 ☎ 46 8 716 4485  
 ☎ 46 8 717 4719  
 ✉ rene@astro.su.se

**Lisi Franco**  
 Osserv Astrofis Arcetri  
 Univ d Firenze  
 Largo E Fermi 5  
 I 50125 Firenze  
 Italy  
 ☎ 39 55 27 52289  
 ☎ 39 55 22 0039

**Lissauer Jack J**  
 NASA/ARC  
 MS 245 3  
 Moffett Field CA 94035 1000  
 USA  
 ☎ 1 415 604 2293  
 ☎ 1 415 604 6779  
 ✉ lissauer@ringside.  
 arc.nasa.gov

**Liszt Harvey Steven**  
 NRAO  
 520 Edgemont Rd  
 Charlottesville VA 22903  
 USA  
 ☎ 1 804 296 0344

**Little Leslie T**  
 Electronics Lab  
 Univ of Kent  
 Canterbury CT2 7NT  
 UK  
 ☎ 44 12 27 668 22  
 ☎ 44 12 27 456 084

**Little-Marenin Irene R**  
 Whittin Observ  
 Wellesley Coll  
 Wellesley MA 02181  
 USA  
 ☎ 1 617 235 5303  
 ☎ 1 617 283 3667  
 ✉ ilittle@lucy.  
 wellesley.edu

**Littleton John E**  
 Physics Dpt  
 WV University  
 Box 6315  
 Morgantown WV 26506 6315  
 USA  
 ☎ 1 304 293 3498  
 ✉ jel@wvnxaxa.  
 wvnet.edu

**Litvak Marvin M**  
 Technology Res Ass  
 1525 Espinosa Circle  
 Palos Verdes Est CA 90274  
 USA

**Litvinenko Leonid N**  
 Inst Radio Astron  
 Ukrainian Acad Science  
 4 Chervonopraporna st  
 310002 Kharkiv  
 Ukraine  
 ☎ 380 5724 51009  
 ☎ 380 5724 76506

**Liu Bao-Lin**  
 Purple Mountain Obs  
 CAS  
 Nanjing 210008  
 China PR  
 ☎ 86 25 42817/46700  
 ☎ 86 25 301 459

**Liu Caipin**  
 Purple Mountain Obs  
 CAS  
 Nanjing 210008  
 China PR  
 ☎ 86 25 42817  
 ☎ 86 25 301 459

**Liu Ciyuan**  
 Shaanxi Observ  
 CAS  
 Box 18  
 Lintong 710600  
 China PR  
 ☎ 86 33 2255  
 ☎ 86 9237 3496  
 ✉ pub2@ms.sxso.

**Liu Jiming**  
 Shanghai Observ  
 CAS  
 80 Nandan Rd  
 Shanghai 200030  
 China PR  
 ☎ 86 21 6438 6191  
 ☎ 86 21 6438 4618  
 ✉ ljm@center.shao.  
 ac.cn

**Liu Liao**  
 Physics Dpt  
 Beijing Normal Univ  
 Beijing 100071  
 China PR  
 ☎ 86 1 201 2255\*2618  
 ☎ 86 1 201 3929

**Liu Lin**  
 Astronomy Dpt  
 Nanjing Univ  
 Nanjing 210093  
 China PR  
 ☎ 86 25 34651\*2882  
 ☎ 86 25 330 2728

**Liu Linzhong**  
 Purple Mountain Obs  
 CAS  
 Nanjing 210008  
 China PR  
 ☎ 86 25 46700  
 ☎ 86 25 301 459

**Liu Qingyao**  
 Yunnan Observ  
 CAS  
 Kunming 650011  
 China PR  
 ☎ 86 871 2035  
 ☎ 86 871 717 1845

**Liu Ruliang**  
 Purple Mountain Obs  
 CAS  
 Nanjing 210008  
 China PR  
 ☎ 86 25 330 3921  
 ☎ 86 25 330 1459

**Liu Sou-Yang**  
 14959 Dufflet Dr  
 Gaithersburg MD 20878  
 USA

**Liu Xiaowei**  
 Dpt Phys/Astronomy  
 UCL  
 Gower St  
 London WC1E 6BT  
 UK  
 ☎ 44 171 387 7050  
 ☎ 44 171 380 7145  
 ✉ xwl@star.ucl.ac.uk

**Liu Xiping**  
 Inst of Mechanics  
 CAS  
 Beijing 100080  
 China PR  
 ☎ 86 1 28 4185  
 ☎ 86 1 25 61284

**Liu Xuefu**  
 Astronomy Dpt  
 Beijing Normal Univ  
 Beijing 100875  
 China PR  
 ☎ 86 1 65 6531\*6285  
 ☎ 86 1 201 3929

**Liu Yongzhen**  
 Graduate School  
 Univ Sci/Tech  
 Box 3908  
 Beijing 100039  
 China PR  
 ☎ 86 1 81 7031\*713

**Liu Yuying**  
 Beijing Astronomical Obs  
 CAS  
 Beijing 100080  
 China PR  
 ☎ 86 10 6271 2537  
 ☎ 86 1 256 10855  
 ✉ qjfu@cenpok.net

**Liu Zongli**  
 Beijing Astronomical Obs  
 CAS  
 Beijing 100080  
 China PR  
 ☎ 86 1 28 1698  
 ☎ 86 1 256 10855

**Livingston William C**  
 NOAO/NSO  
 Box 26732  
 950 N Cherry Av  
 Tucson AZ 85726 6732  
 USA  
 ☎ 1 520 327 5511  
 ☎ 1 520 325 9278  
 ✉ wdl@noao.edu

**Livio Mario**  
 Physics Dpt  
 IIT  
 Technion City  
 Haifa 32000  
 Israel  
 ☎ 972 4 293 549  
 ✉ phr81ml@technion

**Livshits Mikhail A**  
 ITMIRWP  
 Acad Sciences  
 142092 Troitsk  
 Russia  
 ☎ 7 095 334 0120  
 ☎ 7 095 334 0124

**Lizano-Soberon Susana**  
 Instituto Astronomia  
 UNAM  
 Apt 70 264  
 Mexico DF 04510  
 Mexico  
 ☎ 52 5 622 3906  
 ☎ 52 5 548 3712  
 ✉ lizano@alfa.astroscu.unam.mx

**Lloyd Huw**  
 Astrophysics Group  
 Liverpool J M Univ  
 Byrom St  
 Liverpool L3 3AF  
 UK  
 ☎ 44 151 231 4103  
 ☎ 44 151 231 2337  
 ✉ hml@staru1.livjm.ac.uk

**Lloyd Evans Thomas Harry**  
 SAAO  
 PO Box 9  
 7935 Observatory  
 South Africa  
 ☎ 27 21 47 3639  
 ☎ 27 21 47 3639  
 ✉ tle@sao.ac.za

**Lo Kwok-Yung**  
 Dpt Astron/Physics  
 Univ of Illinois  
 1002 W Green St  
 Urbana IL 61801  
 USA  
 ☎ 1 217 333 9381  
 ☎ 1 217 244 7638  
 ✉ kyl@sgr.astro.uiuc.edu

**Locanthe Dorothy Davis**  
 Carnegie Observatories  
 813 Santa Barbara St  
 Pasadena CA 91101 1292  
 USA

**Lochman Jan**  
 Astronomical Institute  
 Czech Acad Sci  
 Dvorakova 298  
 CZ 511 01 Turnov  
 Czech R  
 ☎ 420 43 62 2913  
 ☎ 420 43 62 2913

**Lochner James Charles**  
 NASA/GSFC  
 Code 660 2  
 Greenbelt MD 20771  
 USA  
 ☎ 1 301 286 9711  
 ☎ 1 301 286 1684  
 ✉ lochner@xeric.gsfc.nasa.gov

**Locke Jack L**  
 NRCC  
 Ottawa ON K1H 7J5  
 Canada  
 ☎ 1 613 523 0812

**Lockman Felix J**  
 NRAO  
 Box 2  
 Green Bank Wv 24944  
 USA  
 ☎ 1 304 456 2011  
 ☎ 1 304 456 2271

**Lockwood G Wesley**  
 Lowell Observ  
 1400 W Mars Hill Rd  
 Box 1149  
 Flagstaff AZ 86001  
 USA  
 ☎ 1 607 774 3358  
 ☎ 1 520 774 3358  
 ✉ gwll@lowell.edu

**Loden Kerstin R**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjöbaden  
Sweden  
☎ 46 8 717 0195  
☎ 46 8 717 4719  
✉ loden\_k@astro.su.se

**Loden Lars Olof**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjöbaden  
Sweden  
☎ 46 8 717 2095  
☎ 46 8 717 4719  
✉ lodenl@astro.su.se

**Loiseau Nora**  
ESA  
Apt 50727 Villafranca  
E 28080 Madrid  
Spain  
☎ 34 1 813 1356  
☎ 34 1 813 1139  
✉ nil@vilsa.esa.es

**Lomb Nicholas Ralph**  
Sydney Observ  
Museum Appl Arts/Sci  
Box K346  
Haymarket NSW 2000  
Australia

**Lominadze Jumber**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
380060 Tbilisi  
Georgia  
☎ 995 88 32 37 5226  
☎ 995 88 32 98 5017  
✉ jloimin@parliament.ge

**Long Knox S**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4862  
☎ 1 301 338 5090  
✉ long@stsci.edu

**Longair Malcolm S**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 083  
☎ 44 12 23 354 599  
✉ msl@uk.ac.cam.phy.ras

**Longbottom Aaron**  
Mathematics Dpt  
Univ of St Andrews  
St Andrews North Haugh  
Fife KY16 9SS  
UK  
☎ 44 13 34 463735  
☎ 44 13 344 63748  
✉ aaron@dcs.st-and.ac.uk

**Longmore Andrew J**  
Joint Astronomy Ctr  
660 N A'ohoku Pl  
University Park  
Hilo HI 96720  
USA  
☎ 1 808 961 3756  
☎ 1 808 961 3756

**Lonsdale Carol J**  
CALTECH  
MS 100 22  
IPAC  
Pasadena CA 91125  
USA  
☎ 1 818 397 9529  
☎ 1 818 397 9600  
✉ cjl@ipac.caltech.edu

**Lopes Dalton De faria**  
Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 781  
☎ 55 21 580 0332

**Lopes-Gautier Rosaly**  
CALTECH/JPL  
MS 183 601  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 393 4584  
☎ 1 818 354 0966

**Lopez Carlos**  
Observ Astronomico  
Felix Aguilar  
Av Benavidez 8175 Oeste  
5407 Marquesado (SJ)  
Argentina  
☎ 54 64 23 1467  
☎ 54 64 23 4980/23 8494  
✉ celopez@unsjf.edu.ar

**Lopez De Coca M D P**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
☎ 34 5 881 4530  
✉ pilar@iaa.es

**Lopez Garcia Zulema I**  
Observ Astronomico  
Felix Aguilar  
Av Benavidez 8175 Oeste  
5407 Marquesado (SJ)  
Argentina  
☎ 54 64 23 1494

**Lopez Jose A**  
Observ Astronomico  
Felix Aguilar  
Av Benavidez 8175 Oeste  
5407 Marquesado (SJ)  
Argentina  
☎ 54 64 23 1494

**Lopez Jose Alberto**  
Observ Astronomico Nacional  
UNAM  
Apt 877  
Ensenada BC 22800  
Mexico  
☎ 52 6 174 4593  
☎ 52 6 174 4607  
✉ jal@bufadora.astro.unam.mx

**Lopez Rosario**  
Dpt Fisica Atmosfera  
Univ Barcelona  
Avd Diagonal 647  
E 08028 Barcelona  
Spain  
☎ 34 3 330 7311  
☎ 34 3 402 1133

**Lopez-Arroyo M**  
Observ Astronomico  
Nacional  
Alfonso XII-5  
E 28014 Madrid  
Spain  
☎ 34 1 227 0107

**Lopez-Cruz Omar**  
INAOE  
Tonantzintad  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico  
☎ 52 2 247 2011  
☎ 52 2 247 2231  
✉ omar@inaoep.mx

**Lopez-Garcia Francisco**  
Observ Astronomico  
Felix Aguilar  
Av Benavidez 8175 Oeste  
5407 Marquesado (SJ)  
Argentina  
☎ 54 64 23 1494

**Lopez-Gonzalez Maria J**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
☎ 34 5 881 4530

**Lopez-Moreno Jose Juan**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
☎ 34 5 881 4530  
✉ lopez@iaa.es

**Lopez-Puertas Manuel**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1300  
☎ 34 5 881 4530

**Lopez-Valverde M A**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
☎ 34 5 881 4530

**Lord Steven Donald**  
IPAC/CALTECH  
MS 100 22  
Pasadena CA 91125  
USA  
☎ 1 818 397 9502  
☎ 1 818 397 9600  
✉ lord@gal.arc.nasa.gov

**Loren Robert Bruce**  
Box 2915  
Silver City NM 88062  
USA

**Lorenz Hilmar**  
Zentrinst Astrophysik  
Sternwarte Babalsberg  
Rosa Luxemburg Str 17a  
D 14473 Potsdam  
Germany  
☎ 49 331 762225

**Lortet Marie-Claire**  
Observ Paris Meudon  
DAPHE  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7426  
☎ 33 1 45 07 7100  
✉ Lortet@obsppm.fr

**Losco Lucette**  
Fac des Sciences  
F 25030 Besancon Cdx  
France

**Lotova Natalia A**  
ITMIRWP  
Acad Sciences  
142092 Troitsk  
Russia  
☎ 7 095 334 0120  
☎ 7 095 334 0124

**Loucif Mohammed Lakhdar**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8049  
☎ 33 1 44 32 8001  
✉ mohal@iap.fr

**Louise Raymond**  
Fac des Sciences  
Dpt Physique  
33 r St-leu  
F 80039 Amiens  
France  
**Loulergue Michelle**  
Observ Paris Meudon  
ARPEGES  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7455  
☎ 33 1 45 07 7971



**Loup Cecile**

IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8054  
① 33 1 44 32 8001  
✉ loup@iap.fr

**Lovas Francis John**

NBS  
Div 545  
Molecular Spectroscopic  
Washington DC 20234  
USA  
☎ 1 301 921 2023

**Lovas Miklos**

Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
① 36 1 275 4668

**Lovelace Richard V E**

Applied Phys Dpt  
Cornell Univ  
Clark Hall  
Ithaca NY 14853 6801  
USA  
☎ 1 607 255 3968  
① 1 607 255 7658  
✉ rvll@cornell.edu

**Lovell Sir Bernard**

NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
① 44 147 757 1618

**Low Boon Chye**

HAO  
NCAR  
Box 3000  
Boulder CO 80307 3000  
USA  
☎ 1 303 497 1553  
① 1 303 497 1568

**Low Frank J**

4940 Calle Barrii  
Tucson AZ 85718  
USA  
☎ 1 520 621 2779

**Lowe Robert P**

Dpt Phys/Astronomy  
Univ W Ontario  
London ON N6A 3K7  
Canada  
☎ 1 519 661 3929  
① 1 519 661 3129  
✉ lowe@canlon.physics.uwo.ca

**Loyola Patricio**

Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101  
① 56 2 229 4002

**Lozinskaya Tat-yana A**

SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 139 1030  
① 7 095 939 0126

**Lozinskij Alexander M**

Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
① 7 095 230 2081

**Lozitskij Vsevolod**

Astronomical Observ  
Kyiv State Univ  
Observatorna Str 3  
254053 Kyiv  
Ukraine  
☎ 380 4421 63910  
✉ aoku@gluk.apc.org

**Lu Benkui**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 32893  
① 86 25 301 459

**Lu Chunlin**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 42700  
① 86 25 301 459  
✉ luchln@public1.ptt.js.cn

**Lu Jufu**

Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 33 1134  
① 86 551 33 1760

**Lu Limin**

CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 395 4421  
① 1 818 568 1517  
✉ ll@astro.caltech.edu

**Lu Phillip K**

Dpt Phys/Astronomy  
W Connecticut State Univ  
181 White St  
Danbury CT 06810 7859  
USA  
☎ 1 203 837 8422  
① 1 203 837 8673  
✉ lu@wcsu.ctstateu.edu

**Lu Ruwei**

Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
① 86 871 717 1845

**Lu Tan**

Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 663 7551  
① 86 25 330 7965

**Lu Yang**

Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 34651\*2882  
① 86 25 330 2728

**Lub Jan**

Rijkuniversiteit te  
Huygens Lab  
Box 9504  
NL 2314 EX Leiden  
Netherlands  
☎ 31 71 527 5840/5835  
① 31 71 527 5819  
✉ lub@strw.leidenuniv.nl

**Lubowich Donald A**

American Inst Phys  
500 Sunnyside Blvd  
Woodbury NY 11797  
USA  
☎ 1 516 576 2468  
① 1 516 921 4320  
✉ dal@aip.org

**Lucas Robert**

IRAM  
300 r La Piscine  
F 38406 S Martin Heres Cdx  
France  
☎ 33 4 76 82 4942  
① 33 4 76 51 5938  
✉ lucas@iram.fr

**Lucchin Francesco**

Dpt Fisica G Galilei  
Univ d Padova  
Via Marzolo 8  
I 35131 Padova  
Italy  
☎ 39 49 84 4333  
① 39 49 84 4245

**Lucey John**

Physics Dpt  
Univ of Durham  
South Rd  
Durham DH1 3LE  
UK  
☎ 44 191 374 2000  
① 44 191 374 3749

**Luck John M**

Orroral Geodetic Obs  
AUSLIG  
Box 2  
Belconnen ACT 2616  
Australia  
☎ 61 62 525 172

**Luck R Earle**

Physics Dpt  
CWRU  
Rock Bdg  
Cleveland OH 44106  
USA  
☎ 1 216 368 6697

**Lucke Peter B**

Dpt Phys/Astronomy  
Mount Union College  
Alliance OH 44601  
USA  
☎ 1 216 821 5320

**Lucey Leon B**

ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 2006249  
① 49 893 202 362

**Ludmany Andras**

Debrecen Heliophys Observ  
Acad Sciences  
Box 30  
H 4010 Debrecen  
Hungary  
☎ 36 5 231 1015  
✉ ludmany@ugris.klte.hu

**Luest Reimar**

MPI Meteorology  
Grenzstr 4  
D 20146 Hamburg  
Germany  
☎ 49 404 117 3300  
① 49 404 117 3390  
✉ luest@dkrz.d400.de

**Lugger Phyllis M**

Astronomy Dpt  
Indiana Univ  
Swain W 319  
Bloomington IN 47405  
USA  
☎ 1 812 335 6929  
① 1 812 855 8725

**Lukacevic Iljia S**

Astronomy Dpt  
Univ of Belgrade  
Studentski Trg 16  
11000 Beograd  
Yugoslavia FR  
☎ 381 11 638 715  
① 381 11 630 151

**Lukash Vladimir N**

Astro Space Ctr  
Lebedev Physical Inst  
Profsoyuznaya 84/32  
Moscow 117810  
Russia  
☎ 7 095 333 3366  
① 7 095 333 2378  
✉ lukash@dpc.asc.rssi.ru

- Luks Thomas**  
Astronomisches Institut  
Ruhr Univ Bochum  
Postfach 102148  
D 44780 Bochum  
Germany  
☎ 49 234 700 5802/6660  
① 49 234 709 4169  
✉ thomas.luks@astro.  
ruhr-uni-bochum.de
- Luminet Jean-Pierre**  
Observ Paris Meudon  
DARC  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7423  
① 33 1 45 07 7971
- Lumme Kari A**  
Helsinki Univ  
Observ  
Box 14  
FIN 00014 Helsinki  
Finland  
☎ 358 19 12 2910  
① 358 19 12 2952
- Luna Homero G**  
IAR  
CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 4 3793  
① 54 21 211 761
- Lund Niels**  
Danish Space Res Inst  
Lundtoftevej 7  
DK 2800 Lyngby  
Denmark  
☎ 45 42 88 2277
- Lundquist Charles A**  
Res Institute  
Univ of Alabama  
Box 209  
Huntsville AL 35899  
USA  
☎ 1 205 895 6100
- Lundqvist Peter**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjöbaden  
Sweden  
☎ 46 8 716 4489  
① 46 8 717 4719  
✉ peter@astro.su.se
- Lundstedt Henrik**  
Lund Observ  
Box 43  
S 221 00 Lund  
Sweden  
☎ 46 46 222 7294  
① 46 46 222 4614  
✉ henrik@astro.lu.se
- Lundstrom Ingemar**  
Lund Observ  
Box 43  
S 221 00 Lund  
Sweden  
☎ 46 46 222 7300  
① 46 46 222 4614
- Lunel Madeleine**  
Observ Lyon  
Av Ch Andre  
F 69561 S Genis Laval cdx  
France  
☎ 33 4 78 56 0705  
① 33 4 72 39 9791
- Lungu Nicolae**  
Inst Politechnic  
Catedra Matematica  
Ul Emil Isac 15  
RO 3400 Cluj Napoca  
Rumania  
☎ 40 64 117 229  
① 40 64 19 2820
- Luo Baorong**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
① 86 871 717 1845
- Luo Dingchang**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 27 5580  
① 86 1 256 10855
- Luo Dingjiang**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855
- Luo Guoquan**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 384 0501  
① 86 871 717 1845  
✉ luogq@public.km.  
yn.cn
- Luo Shaoguang**  
Dpt Geophysics  
Beijing Univ  
Beijing 100871  
China PR  
☎ 86 10 6275 1141  
① 86 10 6256 4095
- Luo Shi-Fang**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618
- Luo Xianhan**  
Dpt Geophysics  
Beijing Univ  
Beijing 100871  
China PR  
☎ 86 1 22 239
- Lupishko Dmitriy F**  
Astronomical Observ  
Kharkiv State Univ  
Sumskaja Ul. 35  
310002 Kharkiv  
Ukraine  
☎ 380 5724 32428
- Luri Xavier**  
Dpt Astronom Meteo  
Univ Barcelona  
Avd Diagonal 647  
E 08028 Barcelona  
Spain  
☎ 34 3 402 1126  
① 34 3 402 1133  
✉ xluri@mizar.am.  
ub.es
- Lustig Guenter**  
Inst Astronomie  
Karl-Franzens-Univ  
Universitaetsplatz 5  
A 8010 Graz  
Austria  
☎ 43 316 380 5272  
① 43 316 384 091  
✉ lustig@bkug.  
kfunigraz.ac.at
- Luttermoser Donald**  
Physics Dpt  
E Tennessee State Univ  
Box 70652  
Johnson City TN37614  
USA  
☎ 1 423 439 4231  
① 1 423 439 6905
- Lutz Barry L**  
Dpt Phys/Astronomy  
N Arizona Univ  
Box 6010  
Flagstaff AZ 86011 6010  
USA  
☎ 1 520 523 2661  
① 1 520 523 2626
- Lutz Julie H**  
Program in Astronomy  
Washington State Univ  
Pullman WA 99164 2930  
USA  
☎ 1 509 335 3136
- Lynas-Gray Anthony E**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050  
① 44 171 380 7145
- Lynch David K**  
Aerospace Corp  
MS M2 226  
Box 92957  
Los Angeles CA 90009 2957  
USA  
☎ 1 310 648 6686  
① 1 310 336 1636
- Lynden-Bell/Donald**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
① 44 12 23 337 523
- Lynds Beverly T**  
3244 6th St  
Boulder CO 80304  
USA  
✉ blynds@unidata.ucar.edu
- Lynds Roger C**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
① 1 520 325 9360
- Lyne Andrew G**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
① 44 147 757 1618
- Lyubimkov Leonid S**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
① 380 6554 40704
- Lyuty Victor M**  
Crimean Station of  
Sternberg Inst  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
① 380 6554 40704

## M

**Ma Chopo**  
NASA/GSFC  
Code 926  
Greenbelt MD 20771  
USA  
☎ 1 301 286 3992  
☎ 1 301 286 0213  
✉ cma@virgo.gsfc.  
nasa.gov

**Ma Chun-yu**  
Dpt Math  
Memorial Univ of  
Newfoundland  
St John's NF A1C 5S7  
Canada  
☎ 1 709 737 4358  
☎ 1 709 737 3010  
✉ cyma@math.mun.ca

**Ma Er**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
☎ 86 1 256 10855

**Ma Xingyuan**  
Dpt Geography  
Capital Normal Univ  
Beijing 100037  
China PR

**Ma Yuehua**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 330 3583  
☎ 86 25 330 1459  
✉ pmoyl@pub.nj-  
online.nj.js.cn

**Ma YuQian**  
Inst High Energy Phys  
CAS  
Box 918  
Beijing  
China PR  
☎ 86 10 821 3344

**Mac Low Mordecai-Mark**  
MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 8224  
☎ 49 622 152 8246  
✉ mordecai@mpia-  
hd.mpg.de

**Macalpine Gordon M**  
Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 764 3433  
☎ 1 313 764 2211

**Maccacaro Tommaso**  
Osserv Astronomico  
d Brera  
Via Brera 28  
I 20121 Milano  
Italy  
☎ 39 2 720 23751  
☎ 39 2 720 01600  
✉ tommaso@bach.mi.  
astro.it

**Maccagni Dario**  
IFCTR CNR  
Univ d Milano  
Via E Bassini 15  
I 20133 Milano  
Italy  
☎ 39 2 236 3542  
☎ 39 2 266 5753  
✉ dario@ifctr.mi.cnr.it

**MacCallum Malcolm A H**  
School Mathemat Sc  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 980 4811  
☎ 44 181 975 5500

**Macchetto Ferdinando**  
STSci  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4790  
☎ 1 301 338 2617  
✉ macchetto@stsci.edu

**MacConnell Darrell J**  
STSci/CSC  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4800  
☎ 1 301 338 4767  
✉ macconnell@stsci.edu

**MacDonald Geoffrey H**  
Electronics Lab  
Univ of Kent  
Canterbury  
Kent CT2 7NT  
UK  
☎ 44 1227 823 707  
☎ 44 1227 456 084  
✉ ghm@star.ukc.ac.uk

**MacDonald James**  
Physics Dpt  
Univ of Delaware  
Newark DE 19716  
USA  
☎ 1 302 831 6855  
☎ 1 302 831 1637

**Maceroni Carla**  
Osserv Astronomico  
d Roma  
Via d osservatorio 5  
I 00040 Monteporzio  
Italy  
☎ 39 6 944 8028  
☎ 39 6 944 7243  
✉ maceroni@astrmp.  
astro.it

**MacGillivray Harvey T**  
Royal Observatory  
Blackford Hill  
Edinburgh EH9 3HU  
UK  
☎ 44 131 667 3321  
☎ 44 131 668 8356

**Machado Luiz E da Silva**  
Univ Fed Rio d Janeiro  
Av Sernambetiba 3300 Bl7  
22 630 Barra Da Tijuca  
20080 Rio de Janeiro RJ  
Brazil  
☎ 55 213 99 2589

**Machado Marcos**  
CNE  
Avenida Mitre 3100  
1663 San Miguel (Bs As)  
Argentina  
☎ 54 2 664 8371

**Machalski Jerzy**  
Astronomical Observ  
Jagiellonian Univ  
Ul Mazowiecka 36/33  
PL 30 019 Krakow  
Poland

**Maciejewski Andrzej J**  
Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland  
☎ 48 56 26 018\*53  
☎ 48 56 24 602  
✉ maciejka@ptumk11

**Maciel Walter J**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
☎ 55 11 276 3848  
✉ maciel@orion.iagusp.usp.br

**Mack Peter**  
Arizona Guest Observ  
4414 W Plantation St  
Tucson AZ 85741 4034  
USA  
☎ 1 520 579 0698

**MacKay Craig D**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
☎ 44 12 23 337 523

**MacKinnon Alexander L**  
Astronomy Dpt  
Univ of Glasgow  
Glasgow G12 8OW  
UK  
☎ 44 141 339 8855  
☎ 44 141 334 9029

**MacLeod John M**  
NRCC/HIA  
100 Sussex Dr  
Ottawa ON K1A 0R6  
Canada  
☎ 1 613 993 6060  
☎ 1 613 952 6602

**MacQueen Robert M**  
Physics Dpt  
Rhodes College  
2000 N Parkway  
Memphis TN 38112  
USA  
☎ 1 901 726 3000

**Macrae Donald A**  
David Dunlap Observ  
Univ of Toronto  
Box 360  
Richmond Hill ON L4C 4y6  
Canada  
☎ 1 416 884 9562  
ⓞ 1 416 978 3921  
✉ macrae@vela.astro.toronto.ca

**Macy William Wray**  
151 Melville Av  
Palo Alto CA 94304  
USA

**Madau Piero**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 2622  
ⓞ 1 301 338 5085  
✉ madau@stsci.edu

**Madden Suzanne**  
Service Astrophysique  
CEA Saclay  
Orme d Merisiers Bt 709  
F 91190 Gif s Yvette Cdx  
France  
☎ 33 1 63 08 9276  
ⓞ 33 1 69 08 6577  
✉ madden@discovery.saclay.cea.fr

**Maddison Ronald Ch**  
Physics Dpt  
Univ of Keele  
Keele ST5 5BG  
UK  
☎ 44 178 262 1111  
ⓞ 44 178 271 1093

**Maddox Stephen**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 37 4000  
ⓞ 44 12 23 374 700  
✉ sjm@ast.cam.ac.uk

**Madej Jerzy**  
Astronomical Observ  
Warsaw Univ  
Al Ujazdowskie 4  
PL 00 478 Warsaw  
Poland  
☎ 48 22 29 4011  
ⓞ 48 22 29 4967  
✉ jm@alkor.astrow.edu.pl

**Madore Barry Francis**  
CALTECH  
NASA/IPAC  
MS 100-22  
Pasadena CA 91125  
USA  
☎ 1 818 397 9512  
ⓞ 1 626 397 9600  
✉ barry@ipac.caltech.edu

**Madsen Jes**  
Inst Phys/Astronomy  
Univ of Aarhus  
Ny Munkegade  
DK 8000 Aarhus C  
Denmark  
☎ 45 86 12 8899  
ⓞ 45 86 20 2711

**Maeda Kei-ichi**  
Physics Dpt  
Waseda Univ  
Okubo 3-4-1 Shinjuku-ku  
Tokyo 160  
Japan  
☎ 81 320 34 141

**Maeda Kojiro**  
Physics Dpt  
College Medicine  
Nishinomiya  
Hyogo 663  
Japan  
☎ 81 798 45 6111

**Maeder Andre**  
Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauvigny  
Switzerland  
☎ 41 22 755 2611  
ⓞ 41 22 755 3983  
✉ andre.maeder@obs.unige.ch

**Maehara Hideo**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 865 44 2155  
ⓞ 81 865 44 2360  
✉ maehara@oao.nao.ac.jp

**Maetziel Christian**  
Physikalisches Institut  
Univ Bern  
Sidlerstr 5  
CH 3012 Bern  
Switzerland  
☎ 41 31 65 4589

**Maffei Paolo**  
Cattedra Astrofisica  
Univ d Perugia  
Via d elce d Sotto  
I 06100 Perugia  
Italy  
☎ 39 75 45 647

**Magain Pierre**  
Inst Astrophysique  
Universite Liege  
Av Coite 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
ⓞ 32 4 254 7511  
✉ magain@astro.ulg.ac.be

**Magakian Tigran Y**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
ⓞ 374 88 52 52 3640

**Magalhaes Antonio A S**  
Observ Astronomico  
Univ d Porto  
Monte d Virgem  
P 4400 Vila Nova Gaia  
Portugal  
☎ 351 2 782 0404  
ⓞ 351 2 782 7253

**Magalhaes Antonio Mario**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
ⓞ 55 11 576 3848  
✉ magalhaes@vax.iagusp.usp.br

**Magazu Antonio**  
Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 2242  
ⓞ 39 95 33 0592  
✉ antonio@ct.astro.it

**Maggio Antonio**  
Osserv Astronomico  
Univ d Palermo  
Piazza Parlamento 1  
I 90134 Palermo  
Italy  
☎ 39 91 651 8132  
ⓞ 39 91 651 7292  
✉ maggio@oapa.astro.it

**Magnan Christian**  
GRAAL  
Univ Montpellier II  
Pl E Bataillon  
F 34095 Montpellier Cdx 5  
France  
☎ 33 4 67 14 3902  
ⓞ 33 4 67 54 4850  
✉ magnan@graal.univ-montp2.fr

**Magnani Loris Alberto**  
Dpt Phys/Astronomy  
Univ of Georgia  
Athens GA 30602 2451  
USA  
☎ 1 706 542 2876  
ⓞ 1 706 542 2492  
✉ loris@jove.physast.uga.edu

**Magnaradze Nina G**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
380060 Tbilisi  
Georgia  
☎ 995 88 32 37 5226  
ⓞ 995 88 32 98 5017

**Magni Gianfranco**  
IAS  
Rpto Planetologia  
Via d universita 11  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
ⓞ 39 6 2066 0188

**Magnusson Per**  
Swedish Ntl Space Board  
Box 4006  
S 171 04 Solna  
Sweden  
☎ 46 8 627 6492  
ⓞ 46 8 627 5014  
✉ per.magnusson@astro.uu.se

**Magris C Gladis**  
CIDA  
Box 264  
Merida 5101 A  
Venezuela  
☎ 598 7 471 2780/3883  
ⓞ 598 7 471 2459  
✉ magris@cida.ve

**Magun Andreas**  
Physikalisches Institut  
Univ Bern  
Sidlerstr 5  
CH 3012 Bern  
Switzerland  
☎ 41 31 65 8914

**Mahat Rosli H**  
Astronomy Dpt  
Univ of Malaya  
59100 Kuala Lumpur  
Malaysia

**Maheswaran Murugesapillai**  
Inst Fundament Studies  
380/72 Baudhdhaloka  
Mawatha  
Colombo 7  
Sri Lanka  
☎ 94 1 597538

**Mahmoud Farouk M A B**  
NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
ⓞ 20 62 21 405 297

**Mahra H S**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136/2583

**Mahtessian Abraham P**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
ⓞ 374 88 52 52 3640

**Maia Marcio A G**  
 Observ Nacional  
 Rua Gl Bruce 586  
 Sao Cristovao  
 20921 030 Rio de Janeiro RJ  
 Brazil  
 ☎ 55 21 589 6504  
 ☎ 55 21 580 0332  
 ✉ maia@on.br

**Maihara Toshinori**  
 Physics Dpt  
 Kyoto Univ  
 Sakyo Ku  
 Kyoto 606 01  
 Japan  
 ☎ 81 757 51 2111  
 ☎ 81 75 753 7010

**Maillard Jean-Pierre**  
 IAP  
 98bis bd Arago  
 F 75014 Paris  
 France  
 ☎ 33 1 44 32 8139  
 ☎ 33 1 44 32 8001  
 ✉ maillard@iap.fr

**Maitzen Hans M**  
 Inst Astronomy  
 Univ Wien  
 Tuerkenschanzstr 17  
 A 1180 Wien  
 Austria  
 ☎ 43 1 345 36094  
 ☎ 43 1 470 6015  
 ✉ maitzen@astro.ast.univie.ac.at

**Majid Abdul Bin A H**  
 Wisma Mahyuddin Dan Siew  
 79 Jalan 1/91 Taman Shamelin  
 Perkasa  
 Batu 31/2 Jalan Cheras  
 55100 Kuala Lumpur  
 Malaysia  
 ☎ 60 03 9831 988  
 ☎ 60 03 9832 000  
 ✉ msurver@tm.net.my

**Major John**  
 Physics Dpt  
 Univ of Durham  
 South Rd  
 Durham DH1 3LE  
 UK  
 ☎ 44 191 374 2111  
 ☎ 44 191 374 3749

**Makarenko Ekaterina N**  
 Astronomical Observ  
 Odessa State Univ  
 Shevchenko Park  
 270014 Odessa  
 Ukraine  
 ☎ 380 4822 28442  
 ☎ 380 4822 28442

**Makarov Valentine I**  
 Kislovodsk Station of the  
 Pulkovo Observ  
 357741 Kislovodsk  
 Russia  
 ☎ 7 865 373 3088  
 ☎ 7 812 123 1922

**Makarov Valeri**  
 Astronomical Observ, NBIFAFG  
 Copenhagen Univ  
 Juliane Maries Vej 30  
 DK 2100 Copenhagen  
 Denmark  
 ☎ 45 35 32 5966  
 ☎ 45 35 32 5989  
 ✉ makarov@astro.ku.dk

**Makarova Elena A**  
 SAI  
 Acad Sciences  
 Universitetskij Pr 13  
 119899 Moscow  
 Russia  
 ☎ 7 095 139 1973  
 ☎ 7 095 939 0126

**Makhlouf Amar**  
 DREAN  
 14 r Zighoud Youcef  
 Altarf 36  
 Algeria  
 ☎ 213 8 68 0792

**Makino Fumiyoshi**  
 ISAS  
 3 1 1 Yoshinodai  
 Sagamihara  
 Kanagawa 229 8510  
 Japan  
 ☎ 81 814 27 513911  
 ☎ 81 814 275 94253

**Makino Junlehiro**  
 Dpt Info Sci/gra  
 Univ of Tokyo  
 Meguro Ku  
 Tokyo 153  
 Japan  
 ☎ 81 334 65 3925  
 ☎ 81 334 65 3925  
 ✉ makino@kyohou.c.u-tokyo.ac.jp

**Makishima Kazuo**  
 Inst Space/Astron Sci  
 Univ of Tokyo  
 Meguro Ku  
 Tokyo 153  
 Japan  
 ☎ 81 346 71 111\*303  
 ☎ 81 334 85 2904

**Makita Mitsugu**  
 Osaka Gakuin Jn College  
 2 37 1 Kishibe Minami  
 Suita  
 Osaka 564  
 Japan

**Malacara Daniel**  
 CTIO  
 Apdo Postal 948  
 Leon GTO 37000  
 Mexico  
 ☎ 52 4 718 4425  
 ☎ 52 4 717 5000

**Malagnini Maria Lucia**  
 OAT  
 Box Succ Trieste 5  
 Via Tiepolo 11  
 I 34131 Trieste  
 Italy  
 ☎ 39 40 31 99255  
 ☎ 39 40 30 9418

**Malaise Daniel J**  
 DMO Consulting SA  
 r Varin 141 A  
 B 4000 Liege  
 Belgium  
 ☎ 32 4 254 0034

**Malakpur Iradj**  
 Inst of Geophysics  
 Univ of Tehran  
 Kargar Shomali  
 Tehran 14394  
 Iran  
 ☎ 98 21 631081/3

**Malaroda Stella M**  
 Complejo Astronomico  
 El Leoncito  
 CC 467  
 5400 San Juan  
 Argentina  
 ☎ 54 64 22 5718

**Malasan Hakim Luthfl**  
 Bosscha Observ  
 ITB Lembang  
 Bandung 40391  
 Indonesia  
 ☎ 62 22 278 6001  
 ☎ 62 22 250 9170  
 ✉ hakim@sirius.as.itb.ac.id

**Malawi Abdulrahman**  
 Astronomy Dpt  
 Box 9028  
 KAAU  
 Jeddah 21413  
 Saudi Arabia  
 ☎ 966 2 687 0571  
 ☎ 966 2 687 0571  
 ✉ scf3010@sakau03

**Malherbe Jean-Marie**  
 Observ Paris Meudon  
 DASOP  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7629  
 ☎ 33 1 45 07 7634  
 ✉ malherbe@obspm.fr

**Malin David F**  
 AAO  
 Box 296  
 Epping NSW 2121  
 Australia  
 ☎ 61 2 9372 4800  
 ☎ 61 2 9372 4860  
 ✉ dfm@aaoepp.aao.gov.au

**Malina Roger Frank**  
 Ctr for EUV Astrophys  
 Univ of California  
 2150 Kittredge St  
 Berkeley CA 94720 5030  
 USA  
 ☎ 1 510 643 5636  
 ☎ 1 415 643 5660  
 ✉ rmalina@ssl.berkeley.edu

**Maltson Harriet H**  
 13315 Magellan Av  
 Rockville MD 20853  
 USA  
 ☎ 1 301 946 0496

**Malkamaeki Lauri J**  
 Elson Res Inc  
 Box 6356  
 Ingwood TX 77325 6356  
 USA

**Malkan Matthew Arnold**  
 Dpt Astronomy  
 UCLA  
 Box 951562  
 Los Angeles CA 90025 1562  
 USA  
 ☎ 1 310 825 3404  
 ☎ 1 310 206 2096  
 ✉ malkan@bonnie.astro.ucla.edu

**Malkin Zinovy M**  
 Inst Appl Astronomy  
 Zhdanovskaya 8  
 St Petersburg 197110  
 Russia  
 ☎ 7 812 235 3216  
 ☎ 7 812 230 7413  
 ✉ malkin@ipa.rssi.ru

**Malkov Oleg Yu**  
 Inst of Astronomy  
 Acad Sciences  
 Pyatnitskaya st 48  
 109017 Moscow  
 Russia  
 ☎ 7 095 953 1702  
 ☎ 7 095 230 2081  
 ✉ malkov@inasan.rssi.ru

**Mallia Edward A**  
 Astrophysics Dpt  
 Univ of Oxford  
 Keble Rd  
 Oxford OX1 3RQ  
 UK  
 ☎ 44 186 527 3999  
 ☎ 44 186 527 3947

**Mallik D C V**  
 IIA  
 Koramangala  
 Sarjapur Rd  
 Bangalore 560 034  
 India  
 ☎ 91 80 356 6585/6497  
 ☎ 91 80 553 4043

**Malofeev Valerij M**  
 Lebedev Physical Inst  
 Leninsky Pspt 53  
 Moscow 117924  
 Russia  
 ☎ 7 096 7734 187  
 ☎ 7 095 135 7880  
 ✉ malofeev@rasfian.sezpukhov.su

**Maltby Per**  
 Inst Theor Astrophys  
 Univ of Oslo  
 Box 1029  
 N 0315 Blindern Oslo 3  
 Norway  
 ☎ 47 22 856 509  
 ☎ 47 22 85 6505

**Malumian Vigen**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640  
✉ malumian@byurakan.sci.am

**Malville J Mckim**  
APAS  
Univ of Colorado  
Campus Box 391  
Boulder CO 80309 0391  
USA  
☎ 1 303 492 8788  
✉ malville@spot.colorado.edu

**Malyuto Valeri**  
Taru Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia  
☎ 372 7 410 305  
☎ 372 7 410 205  
✉ valeri@aai.ee

**Manmano Augusto**  
Osserv Astrofisico  
Univ d Padova  
Via d Osservatorio 8  
I 36012 Asiago  
Italy  
☎ 39 424 462 665  
☎ 39 424 462 884

**Mampaso Antonio**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117  
✉ amr@iac.es

**Manabe Seiji**  
Intl Latitude Observ  
NAOJ  
Hoshigaoka Mizusawa Shi  
Iwate 023  
Japan  
☎ 81 197 24 7111  
☎ 81 197 22 7120

**Manara Alessandro A**  
Osserv Astronomico  
d Brera  
Via Brera 28  
I 20121 Milano  
Italy  
☎ 39 2 720 23751  
☎ 39 2 720 01600

**Manchado Arturo**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Manchanda R K**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 219 111\*336  
☎ 91 22 495 2110

**Manchester Richard N**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0225  
☎ 61 2 868 0310  
✉ rmanches@atmf.csiro.au

**Mancuso Santi**  
Dpt Scienze Fisiche  
Univ d Napoli  
Mostra D Oltremare Pad 19  
I 80125 Napoli  
Italy  
☎ 39 81 725 3447

**Mandel Holger**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9234  
☎ 49 622 150 9202  
✉ hmandel@lsw.uni-heidelberg.de

**Mandolesi Nazzareno**  
TeSRE  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 8665  
☎ 39 51 639 9385

**Mandrini Cristina Hemlise**  
IAFE  
CC 67 Suc 28  
1428 Buenos Aires  
Argentina  
☎ 54 1 781 6755  
☎ 54 1 786 8114  
✉ mandrini@iafe.uba.ar

**Mandzhos Andrej V**  
SAO  
Acad Sciences  
Nizhniy Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 865 789 2501  
✉ amand@sao.stavropol.su

**Manfroid Jean**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
☎ 32 4 254 7511  
✉ manfroid@astro.ulg.ac.be

**Mangeney Andre**  
Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7661  
☎ 33 1 45 07 7971

**Mangum Jeffrey Gary**  
NRAO  
Campus Bg 65  
949 North Cherry Av  
Tucson AZ 85721 0655  
USA  
☎ 1 520 621 5685  
☎ 1 520 621 5554  
✉ jmangum@nrao.edu

**Mann Gottfried**  
Zntrlnst Astrophysik  
Sternwarte Babelsberg  
Rosa Luxemburg Str 17a  
D 14473 Potsdam  
Germany  
☎ 49 331 762225

**Mann Ingrid**  
MPI Aeronomie  
Max Planck Str 2  
Postfach 20  
D 37189 Kaltenburg Lindau  
Germany  
☎ 49 555 697 9291  
☎ 49 555 697 9240  
✉ mann@linux1.dnet.gwdg.de

**Mann Patrick J**  
Dpt Phys/Astronomy  
Univ W Ontario  
London ON N6A 3K7  
Canada  
☎ 1 519 661 3183  
☎ 1 519 661 3486  
✉ 2014-562@uwovax

**Mannheim Karl**  
Univ Sternwarte  
Goettingen  
Geismarlandstr 11  
D 37083 Goettingen  
Germany  
☎ 49 551 395 050  
☎ 49 551 395 043  
✉ kmannhe@uni-sw.gwdg.de

**Mannino Giuseppe**  
Istit Matematico  
Via Campi 181  
I 41100 Modena  
Italy

**Mannucci Filippo**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52230  
☎ 39 55 22 0039  
✉ filippo@arcetri.astro.it

**Manoharan P K**  
Radio Astronomy Centre  
Tata Inst Fundamental Res  
PO Box 8  
Udhagamandalam (Ooty) 643 001  
India  
☎ 91 423 42 032  
☎ 91 423 42 588  
✉ mano@rcooty.ernet.in

**Manrique Walter T**  
Observ Astronomico  
Felix Aguilar  
Av Benavidez 8175 Oeste  
5407 Marquesado (SJ)  
Argentina  
☎ 54 64 23 1494

**Mansfield Victor N**  
Dpt Phys/Astronomy  
Colgate Univ  
Hamilton NY 13346  
USA  
☎ 1 315 824 1000

**Mansouri Reza**  
Physics Dpt  
Sharif Univ  
Box 11365 9161  
Tehran 11365  
Iran  
☎ 98 21 918 2619  
☎ 98 21 601 2983  
✉ mansouri@netware2.imp.ac.ir

**Mantegazza Luciano**  
Osserv Astronomico  
d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy  
☎ 39 990 6412  
☎ 39 990 8492

**Mao Wei**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
☎ 86 871 717 1845

**Marabini Rodolfo Jose**  
Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
☎ 54 21 211 761

**Maran Stephen P**  
NASA GSFC  
Code 600  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5154  
☎ 1 301 286 1772  
✉ hrsmaran@clair.gsfc.nasa.gov

**Marano Bruno**  
Dpt Astronomia  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 301  
☎ 39 51 259 407

**Marar T M k**  
ISRO Satellite Ctr  
Airport Rd  
Vimanapura Post  
Bangalore 560 017  
India  
☎ 91 80 566 251

**Maraschi Laura**  
IFCTR CNR  
Univ d Milano  
Via E Bassini 15  
I 20133 Milano  
Italy  
☎ 39 2 236 3542  
① 39 2 266 5753

**Marcaide Juan-Maria**  
Dpt Astron/Astrofisica  
Univ Valencia  
Dr Moliner 50  
E 46100 Burjassot  
Spain  
☎ 34 6 398 3079  
① 34 6 398 3084  
✉ jmm@vbi.uv.es

**Marcelin Michel**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
① 33 4 91 62 1190

**Marchal Christian**  
Dpt Etudes Synthèse  
ONERA  
F 92320 Chatillon ss Bagneux  
France  
☎ 33 1 46 57 1160

**Marcialis Robert**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 327 4827  
① 1 520 621 4933  
✉ umpire@lpl.  
arizona.edu

**Mardirossian Fabio**  
Dpt Astronomia  
Univ d Trieste  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 79 3921\*221  
① 39 40 30 9418

**Mardling Rosemary**  
Mathematics Dpt  
Monash Univ  
Clayton 3168  
Australia  
☎ 61 3 9905 4506  
① 61 3 9905 3867  
✉ r.mardling@2maths.  
monash.edu.au

**Marek John**  
44 Percy Rd  
Wrexham Clwyd  
UK

**Margon Bruce H**  
Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA  
☎ 1 425 543 0089  
① 1 425 685 0403  
✉ margon@janus.  
astro.washington.

**Margoni Rino**  
Osserv Astrofisico  
Univ d Padova  
Via d Osservatorio 8  
I 36012 Asiago  
Italy  
☎ 39 424 462 665  
① 39 424 462 884

**Margrave Thomas Ewing**  
400 Johnson St  
Vienna VA 22180  
USA

**Marie M A**  
Astronomy Dpt  
Fac of Sciences  
Cairo Univ  
Geza  
Egypt  
☎ 20 2 572 7022  
① 20 2 572 7556

**Marik Miklos**  
Astronomy Dpt  
Eotvos Univ  
Ludovika ter 2  
H 1083 Budapest  
Hungary  
☎ 36 1 114 1019  
① 36 1 210 1089  
✉ marik@innin.elte.hu

**Marilli Ettore**  
Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 2246  
① 39 95 33 0592  
✉ emarilli@astrct.  
ct.astro.it

**Marino Brian F**  
156 Queen St  
Northcote  
Auckland 9  
New Zealand

**Mariotti Jean-Marie**  
Observ Paris Meudon  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7570  
① 33 1 45 07 7971

**Maris Georgeta**  
Astronomical Institute  
Romanian Acad Sciences  
Cutilul de Argint 5  
RO 75212 Bucharest  
Rumania  
☎ 40 1 641 3686  
① 40 1 312 3391  
✉ gmaris@imar.ro

**Mariska John Thomas**  
NRL  
Code 7673  
4555 Overlook Av Sw  
Washington DC 20375 5000  
USA  
☎ 1 202 767 2605  
① 1 202 404 7997  
✉ jmariska@solar.  
stanford.edu

**Mark James Wai-Kee**  
4510 Fox Run Dr  
Plainsboro NJ 08536  
USA

**Markellos Vassilis V**  
Dpt Eng Science  
Univ of Patras  
GR 261 10 Rion  
Greece  
☎ 30 61 99 7572  
① 30 61 99 7636

**Markkanen Tapio**  
Helsinki Univ  
Observ  
Box 14  
FIN 00014 Helsinki  
Finland  
☎ 358 19 12 2335  
① 358 19 12 2952

**Markova Nevjana**  
Ntl Astronomical Obs  
Bulgarian Acad Sci  
Box 136  
BG 4700 Smoljan  
Bulgaria  
☎ 359 3 01 2890  
① 359 3 02 1356

**Markowitz William**  
651 SW 6th St  
Ct 1012  
Pompano Beach Fl 33060  
USA  
☎ 1 305 941 0083

**Markworth Norman Lee**  
Dpt Phys/Astronomy  
Stephen F Austin State Un  
Box 13044  
Nacogdoches TX 75962  
USA  
☎ 1 409 468 3001  
① 1 409 468 1226  
✉ f\_markwort@titan.  
sfasu.edu

**Marlborough J M**  
Dpt Phys/Astronomy  
Univ W Ontario  
London ON N6A 3K7  
Canada  
☎ 1 519 679 3184  
① 1 519 661 3486

**Marmolino Ciro**  
Dpt Fisica  
Univ d Napoli  
Mostra D Oltremare Pad 19  
I 80125 Napoli  
Italy  
☎ 39 81 725 3428

**Marochnik L S**  
Computer Sciences Corp  
System Sciences div  
10000 A Areospace Rd  
Lanham Seabrook Ma 20706  
USA  
☎ 1 301 794 1483  
① 1 301 459 4482  
✉ leonid@cexsels.gsfc.nasa.gov

**Marov Mikhail Ya**  
Keldysh Inst Applied Maths  
Acad Sciences  
Miusskaja Sq 4  
125047 Moscow  
Russia  
☎ 7 095 250 0485  
① 7 095 972 0737  
✉ marov@applmat.msk.ru

**Marques Dos Santos P**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 276 3941  
① 55 11 276 3848

**Marques Manuel N**  
OAL  
Tapada d Ajuda  
P 1300 Lisboa 3  
Portugal  
☎ 351 1 363 7351  
① 351 1 362 1722

**Marraco Hugo G**  
Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 21 7308  
① 54 21 211 761

**Marschall Laurence A**  
Physics Dpt  
Gettysburg College  
Gettysburg PA 17325  
USA  
☎ 1 717 337 6062  
① 1 717 337 6666  
✉ marshall@gettysburg.edu

**Marscher Alan Patrick**  
Astronomy Dpt  
Boston Univ  
725 Commonwealth Av  
Boston MA 02215  
USA  
☎ 1 617 353 5029  
① 1 617 353 5704

**Marsden Brian G**  
CFA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7244  
① 1 617 495 7231  
✉ marsden@cfa.harvard.edu

**Marsh Julian C D**  
Hatfield Polytechnic  
Observ  
Bayfordbury  
Hertford Herts SG13 8LD  
UK  
☎ 44 199 255 8451

**Marsh Thomas**  
Astrophysics Dpt  
Univ of Oxford  
Keble Rd  
Oxford OX1 3RH  
UK  
☎ 44 186 527 3303  
① 44 186 527 3418

**Marshall Herman Lee**  
Ctr for EUV Astrophys  
Univ of California  
2150 Kittredge St  
Berkeley CA 94720 5030  
USA  
☎ 1 415 643 5671  
① 1 415 643 5660  
✉ hermann@ssl.berkeley.edu

**Marshall Kevin P**  
Medellin Planetarium  
Carrera 52 No 71 177  
Medellin  
Columbia  
☎ 57 233 21 59  
✉ planetar@educame.gov.co

**Marsoglu A**  
Univ Observ  
Univ of Istanbul  
University 34452  
34452 Istanbul  
Turkey  
☎ 90 212 522 3597  
① 90 212 519 0834

**Marston Anthony Philip**  
Dpt Phys/Astronomy  
Drake Univ  
Des Moines Ia 50311  
USA  
☎ 1 515 271 3034  
① 1 515 271 3977  
✉ tm9991r@acad.drake.edu

**Martens Petrus C**  
ESA/ESTEC  
SSD  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 6555  
① 31 71 565 4690  
✉ pmartens@soho.esa.estec.nl

**Martin Anthony R**  
UK Culham Laboratory  
Rm F4/135  
Abingdon OX14 3DB  
UK  
☎ 44 12 35 21840

**Martin Derek H**  
Astrophysics Group  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5555  
① 44 181 975 5500

**Martin Eduardo**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117  
✉ ege@iac.es

**Martin Francois**  
Dpt Astrophysique  
Universite Nice  
Parc Valrose  
F 06034 Nice Cdx  
France  
☎ 33 4 93 51 9100  
① 33 4 93 52 9806

**Martin Inacio Malmonge**  
Univ Estadual Campinas  
Instituto Fisica  
CP 6165  
13083 970 Campinas SP  
Brazil  
☎ 55 192 398 112  
① 55 192 393 127  
✉ martin@ifi.unicamp.br

**Martin Jean-Michel P**  
Observ Paris Meudon  
ARPEGES  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7608  
① 33 1 45 07 7971  
✉ jmmartin@obspm.fr

**Martin Maria Cristina**  
IAR  
CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 4 3793  
① 54 21 211 761

**Martin Peter G**  
Cita McLennan Labs  
Univ of Toronto  
60 St George St  
Toronto ON M5A 1A1  
Canada  
☎ 1 416 978 6840  
① 1 416 978 3921  
✉ pgmartin@cita.utoronto.ca

**Martin Robert N**  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 1539  
① 1 520 621 1532

**Martin William C**  
NBS  
Physics Bg A167  
Gaithersburg MD 20899  
USA  
☎ 1 301 921 2011

**Martin William L**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
① 44 12 23 374 700

**Martin-Diaz Carlos**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117  
✉ cmd@iac.es

**Martin-Loron M**  
Hermanos Miralles 14  
E Madrid 1  
Spain

**Martin-Piñtado Jesus**  
Ctr Astron d Yebes  
OAN  
Apt 148  
E 19080 Guadalajara  
Spain  
☎ 34 1 122 3358  
① 34 1 129 0063

**Martinet Louis**  
Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauvigny  
Switzerland  
☎ 41 22 755 2611  
① 41 22 755 3983  
✉ louis.martinet@obs.unige.ch

**Martinez Mario**  
Dpt Geofisica  
CIESE  
Apt 2732  
Ensenada CC 22860  
Mexico

**Martinez Peter**  
SAAO  
PO Box 9  
7935 Observatory  
South Africa  
☎ 27 21 47 0025  
① 27 21 47 3639  
✉ peter@sao.ac.za

**Martinez Pilet Valentin**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117  
✉ vmp@iac.es

**Martinez Roger Carlos**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117

**Martinez-Gonzalez E**  
Istt Fisica d Cantabria  
C/o Facultad Ciencias  
Avda Los Castros s/n  
E 39005 Santander  
Spain  
☎ 34 4 220 1468  
① 34 4 220 1402

**Martini Aldo**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
① 39 6 2066 0188

**Martins Donald Henry**  
Dpt Phys/Astronomy  
Univ of Alaska  
3221 Uaa Dr  
Anchorage AK 99508  
USA  
☎ 1 907 786 1238

**Martres Marie-Josephe**  
Observ Paris Meudon  
F 92195 Meudon PPL Cdx  
France

**Marvin Ursula B**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7270  
① 1 617 495 7356

**Marx Gyorgy**  
Dpt Atomic Physics  
Eotvos Univ  
Pushkin U 5 7  
H 1088 Budapest  
Hungary  
☎ 36 1 187 902  
① 36 1 118 0206  
✉ kuerti@awraf

**Marzari Francesco**  
Dpt Fisica G Galilei  
Univ d Padova  
Via Marzolo 8  
I 35131 Padova  
Italy  
☎ 39 49 827 7190  
① 39 49 827 7102  
✉ mazari@pd.infn.it

**Masai Kuniaki**  
Physics Dpt  
Tokyo Metropol Univ  
1-1 Minami Ohsawa  
Hachioji Tokyo 192 03  
Japan  
☎ 81 426 77 2516  
① 81 426 77 2483  
✉ masai@phys.metro-u.ac.jp



**Masani A**  
Osserv Astronomico  
d Brera  
Via Brera 28  
I 20100 Milano  
Italy  
☎ 39 2 874 444  
☎ 39 2 720 01600

**Masegosa Gallego J**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
☎ 34 5 881 4530

**Mashedier Michael**  
Physics Dpt  
Univ of Bristol  
Tyndall Av  
Bristol BS8 1TL  
UK  
☎ 44 11 79 288 716  
☎ 44 11 79 255 624  
✉ mike.mashedier@bristol.ac.uk

**Mashonkina Lyudmila**  
Astronomy Dpt  
Kazan State Univ  
Kremlevskaya str 18  
Kazan 420008  
Russia  
☎ 7 843 264 3092  
✉ ml@astro.ksu.ras.ru

**Maslennikov Kirill L**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4493  
☎ 7 812 123 3360  
✉ cyrill@pulkovo.spb.su

**Maslowski Jozef**  
Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
☎ 48 12 25 1318

**Masnou Francoise**  
28 All Gambauberie  
F 91190 Gif s Yvette  
France

**Masnou Jean-Louis**  
Observ Paris Meudon  
DARC  
Pt J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7427  
☎ 33 1 45 07 7971

**Mason Glenn M**  
Physics Dpt  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 6203  
☎ 1 301 314 9547  
✉ mason@sampx3.umd.edu

**Mason Helen E**  
Dpt Appl Maths/Theor Phys  
Silver Street  
Cambridge CB3 9EW  
UK  
☎ 44 12 23 337 98  
☎ 44 12 23 337 918

**Mason John William**  
51 Orchard Way West Barnham  
Bognor Regis  
West Sussex PO22 0HX  
UK  
☎ 44 124 35 53244  
☎ 44 124 355 4272

**Mason Keith Owen**  
Mullard Space Science Lab  
Univ College London  
Holmbury St Mary  
Dorking Surrey RH5 6NT  
UK  
☎ 44 13 06 702 92  
☎ 44 14 83 278 312

**Massa Derck Louis**  
Hughes STX Corp  
7701 Greenbelt Rd  
Suite 400  
Greenbelt MD 20770  
USA  
☎ 1 301 286 5767  
☎ 1 301 286 1771  
✉ derck.massa@gsgfc.nasa.gov

**Massaglia Silvano**  
Ist Fisica  
Univ d Torino  
Corso d Azeglio 46  
I 10125 Torino  
Italy  
☎ 39 11 657 694

**Massaguer Josep**  
Dpt Fisica Aplicada  
U P Cataluna  
Campus Nord Ed C3  
E 08034 Barcelona  
Spain  
☎ 34 3 401 6827  
☎ 34 3 401 6090  
✉ massaguer@fa.upc.es

**Massevich Alla G**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
☎ 7 095 230 2081

**Massey Philip L**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
☎ 1 520 325 9360

**Masson Colin R**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7000  
☎ 1 617 495 7356

**Masuda Satoshi**  
STEL Nagoya Univ  
3-13 Honohara Toyokawa  
Aich  
Nagoya 442  
Japan  
☎ 81 53 389 5186  
☎ 81 53 389 5090  
✉ masuda@stelab.nagoya-u.ac.jp

**Matas Vladimír R**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 50  
☎ 49 622 140 5297

**Materne Juergen**  
Aretinstr 27  
D 81545 Muenchen  
Germany

**Matese John J**  
Physics Dpt  
USL  
Box 44210  
Lafayette LA 70504 4210  
USA  
☎ 1 318 482 6697  
☎ 1 318 482 6699  
✉ matese@usl.edu

**Mather John Cromwell**  
NASA GSFC  
Code 685  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8720  
☎ 1 301 286 1617  
✉ mather@stars.gsfc.nasa.gov

**Matheson David Nicholas**  
Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 821 900  
☎ 44 12 35 821 900

**Mathews William G**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 429 2074  
☎ 1 831 426 3115

**Mathewson Donald S**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 881 111  
☎ 61 262 490 233  
✉ dsm@mso.anu.edu.au

**Mathez Guy**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
☎ 33 5 61 27 3179

**Mathieu Robert D**  
Astronomy Dpt  
Univ Wisconsin  
475 N Charter St  
Madison WI 53706 1582  
USA  
☎ 1 608 262 5679  
☎ 1 608 263 0361  
✉ mathieu@madraf.astro.wisc.edu

**Mathloulakis Mihalis**  
Astrophysics Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3211  
☎ 30 1 723 8413  
✉ mmm@rigel.da.uoa.gr

**Mathis John S**  
Astronomy Dpt  
Univ Wisconsin  
475 N Charter St  
Madison WI 53706 1582  
USA  
☎ 1 608 262 5994  
☎ 1 608 263 0361  
✉ mathis@wiscmacc

**Mathur B S**  
Ntl Physical Laboratory  
Time/Frequency Section  
Hillside Rd  
New Delhi 110 012  
India  
☎ 91 11 586 168

**Mathys Gautier**  
ESO  
Santiago Office  
Casilla 19001  
Santiago 19  
Chile  
☎ 56 2 698 8757  
☎ 56 2 695 42 63  
✉ gmathys@eso.org

**Matsakis Demetrios N**  
USNO  
3450 Massachusetts Av NW  
Washington DC 20392 5100  
USA  
☎ 1 202 653 1823  
✉ dnm@orion.usno.navy.mil

**Matson Dennis L**  
CALTECH/JPL  
MS 183 501  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 213 354 2984  
ⓞ 1 818 393 6030

**Matsuda Takuya**  
Dpt Earth/Planet Sci  
Kobe Univ  
Nada  
Kobe 657 8501  
Japan  
☎ 81 788 81 1212\*4421  
ⓞ 81 788 82 1549  
✉ [tmatsuda@iclna.kobe-u.ac.jp](mailto:tmatsuda@iclna.kobe-u.ac.jp)

**Matsuhara Hideo**  
Astrophysics Dpt  
Nagoya Univ  
Furocho Chikusa Ku  
Nagoya 464 01  
Japan  
☎ 81 527 89 2560  
ⓞ 81 527 89 2919  
✉ [maruma@toyo.phys.nagoya-u.ac.jp](mailto:maruma@toyo.phys.nagoya-u.ac.jp)

**Matsui Takafumi**  
Dpt Earth/Planet Phy  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 338 12 2111\*4305  
ⓞ 81 338 18 3247

**Matsumoto Masamichi**  
Fukui Univ of Technology  
3 6 1 Gakuen  
Fukui 910 8505  
Japan  
✉ [masm@ccmails.fukui-ut.ac.jp](mailto:masm@ccmails.fukui-ut.ac.jp)

**Matsumoto Ryoji**  
Dpt Phys/Fac of Sci  
Chiba Univ  
1-33 Yayoicho Inage Ku  
Chiba 263  
Japan  
☎ 81 43 290 3724  
ⓞ 81 43 290 3720  
✉ [matumoto@c.chiba-u.ac.jp](mailto:matumoto@c.chiba-u.ac.jp)

**Matsumoto Toshio**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911\*2638  
ⓞ 81 427 59 4253  
✉ [matsumo@koala.astro.isas.ac.jp](mailto:matsumo@koala.astro.isas.ac.jp)

**Matsumura Masafumi**  
Fac of Education  
Kagawa Univ  
Saiwai Cho Takamatsushi  
Kagawa 760  
Japan  
☎ 81 878 61 4141\*400  
ⓞ 81 878 34 7144

**Matsuo Hiroshi**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 984 333  
ⓞ 81 267 982 884  
✉ [matsuo@nro.nao.ac.jp](mailto:matsuo@nro.nao.ac.jp)

**Matsuoka Masaru**  
RIKEN  
2-1 Hirosawa  
Wako-shi  
Saitama 351 01  
Japan  
☎ 81 484 62 1111\*3221  
ⓞ 81 484 62 4640  
✉ [matsuoka@postman.riken.go.jp](mailto:matsuoka@postman.riken.go.jp)

**Matsuura Oscar T**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 275 3720  
ⓞ 55 11 276 3848

**Mattel Janet Akyuz**  
AAVSO  
25 Birch St  
Cambridge MA 02138 1205  
USA  
☎ 1 617 354 0484  
ⓞ 1 617 354 0665  
✉ [jmattel@aavso.org](mailto:jmattel@aavso.org)

**Matteucci Francesca**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
ⓞ 39 6 2066 0188

**Matthews Clifford**  
Dpt Chemistry M/C111  
Univ of Illinois  
Box 4338  
Chicago IL 60680  
USA  
☎ 1 312 996 3161  
ⓞ 1 312 996 0431

**Matthews Henry E**  
Joint Astronomy Ctr  
660 N A'ohoku Pl  
University Park  
Hilo HI 96720  
USA  
☎ 1 808 961 3756  
ⓞ 1 808 961 6516

**Matthews Jaymie**  
Dpt Geophys/Astronomy  
UBC  
2075 Westbrook Pl  
Vancouver BC V6T 1Z4  
Canada  
☎ 1 250 822 2696/2267  
ⓞ 1 250 822 6047  
✉ [matthews@astro.ubc.ca](mailto:matthews@astro.ubc.ca)

**Matthews Thomas A**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 454 6650  
ⓞ 1 301 314 9067

**Mattig W**  
Kiepenheuer Inst  
Sonnenphysik  
Schoeneckstr 6  
D 79104 Freiburg Breisgau  
Germany  
☎ 49 761 328 64  
ⓞ 49 761 319 8111

**Mattila Kalevi**  
Helsinki Univ  
Observ  
Box 14  
FIN 00014 Helsinki  
Finland  
☎ 358 19 12 2947  
ⓞ 358 19 12 2952  
✉ [kalevi.mattila@helsinki.fi](mailto:kalevi.mattila@helsinki.fi)

**Mattox John**  
Astronomy Dpt  
Boston Univ  
725 Commonwealth Av  
Boston MA 02215  
USA  
☎ 1 617 353 5354  
ⓞ 1 617 353 5704  
✉ [mattox@bu.edu](mailto:mattox@bu.edu)

**Matveyenko Leonid I**  
Space Res Inst  
Acad Sciences  
Profsojuznaya Ul 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 3122  
ⓞ 7 095 310 7023

**Matz Steven Micheal**  
Dearborn Observ  
NW Univ  
2131 Sheridan Rd  
Evanston IL 60208 3112  
USA  
☎ 1 847 491 8643  
ⓞ 1 847 491 3135  
✉ [matz@ossenu.astro.nwu.edu](mailto:matz@ossenu.astro.nwu.edu)

**Matzner Richard A**  
Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 5062  
ⓞ 1 512 471 6016

**Mauas Pablo**  
IAFE  
CC 67 Suc 28  
1428 Buenos Aires  
Argentina  
☎ 54 1 781 6755  
ⓞ 54 1 786 8114  
✉ [pablo@iafe.uba.ar](mailto:pablo@iafe.uba.ar)

**Mauche Christopher W**  
LLNL  
L 41  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 415 422 7017  
ⓞ 1 415 423 7228  
✉ [mauche@llnl.gov](mailto:mauche@llnl.gov)

**Maucherat J**  
LAS  
Traverse du Siphon  
Les Trois Lucs  
F 13376 Marseille Cdx 12  
France  
☎ 33 4 91 05 5900  
ⓞ 33 4 91 66 1855

**Mauder Horst**  
Astronomisches Institut  
Univ Tuebingen  
Waldhauserstr 64  
D 72076 Tuebingen  
Germany  
☎ 49 707 129 2486  
ⓞ 49 707 129 3458

**Mauersberger Rainer**  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 5751  
ⓞ 1 520 621 1532  
✉ [mauersr@as.arizona.edu](mailto:mauersr@as.arizona.edu)

**Maurice Eric N**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
ⓞ 33 4 91 62 1190  
✉ [maurice@obsmara.cnrs-mrs.fr](mailto:maurice@obsmara.cnrs-mrs.fr)

**Maugordato Sophie**  
Observ Paris Meudon  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7407  
ⓞ 33 1 45 07 7469  
✉ [maugordato@obsppm.fr](mailto:maugordato@obsppm.fr)

**Mauron Nicolas**  
GRAAL  
Univ Montpellier II  
Pl E Bataillon  
F 34095 Montpellier Cdx 5  
France  
☎ 33 4 67 14 3567  
ⓞ 33 4 67 14 4535

**Mavraganis A G**  
Dpt Eng/Sect Mech  
Ntl Techn Univ/5 Heroes  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 643 3170  
ⓞ 30 1 723 5122

**Mavrides Stamatia**  
 Observ Paris Meudon  
 DESPA  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7597  
 ☎ 33 1 45 07 7469

**Mavridis L N**  
 Dpt Geodesy/Astron  
 Univ Thessaloniki  
 GR 540 06 Thessaloniki  
 Greece  
 ☎ 30 31 99 2693

**Mavromichalaki Helen**  
 Dpt Physics/Univ  
 Nuclear Physics Section  
 104 Solonos St  
 GR 106 80 Athens  
 Greece  
 ☎ 30 1 363 9439

**Max Claire E**  
 LLNL  
 L 413  
 Box 808  
 Livermore CA 94551 9900  
 USA  
 ☎ 1 415 422 5442  
 ☎ 1 415 423 0238  
 ✉ max1@llnl.gov

**Maxwell Alan**  
 Cfa  
 HCO/SAO  
 60 Garden St  
 Cambridge MA 02138 1516  
 USA  
 ☎ 1 617 495 9059  
 ☎ 1 617 495 7356

**May J**  
 Observ Radioastr d Maipu  
 Univ Chile  
 Casilla 68  
 Santiago  
 Chile  
 ☎ 56 2 229 4101

**Mayer Cornhell H**  
 1209 Villamay Blvd  
 Alexandria VA 22307  
 USA

**Mayer Pavel**  
 Astronomical Institute  
 Charles Univ  
 V Holesovickack 2  
 CZ 180 00 Praha 8  
 Czech R  
 ☎ 420 2 2191 2572  
 ☎ 420 2 688 5095  
 ✉ mayer@mbox.cesnet.cz

**Mayfield Earle B**  
 Californian Polytechnic  
 State Univ  
 1427 Bayview Heights Dr  
 Los Osos CA 93403  
 USA  
 ☎ 1 213 528 5231

**Mayor Michel**  
 Observ Geneve  
 Chemin d Maillettes 41  
 CH 1290 Sauvverny  
 Switzerland  
 ☎ 41 22 755 2611  
 ☎ 41 22 755 3983  
 ✉ michel.mayor@  
 obs.unige.ch

**Mayya Divakara**  
 INAOE  
 Tonantzintlaz  
 Apdo 51 y 216  
 Puebla PUE 72000  
 Mexico  
 ☎ 52 2 247 2011  
 ☎ 52 2 247 2231  
 ✉ ydm@inaoep.mx

**Maza Jose**  
 Dpt Astronomia  
 Univ Chile  
 Casilla 36 D  
 Santiago  
 Chile  
 ☎ 56 2 229 4101  
 ☎ 56 2 229 4002  
 ✉ masa@uchecvcm

**Mazeh Tsevi**  
 Wise Observ  
 Tel Aviv Univ  
 Ramat Aviv  
 Tel Aviv 69978  
 Israel  
 ☎ 972 3 640 8729  
 ☎ 972 3 640 8149  
 ✉ mazeh@wise7.  
 tau.ac.il

**Mazure Alain**  
 LAS  
 Traverse du Siphon  
 Les Trois Lucs  
 F 13376 Marseille Cdx 12  
 France  
 ☎ 33 4 91 05 5902  
 ☎ 33 4 91 66 1855  
 ✉ amazure@astrsp-  
 mrs.fr

**Mazurek Thaddeus John**  
 6920 Av Rotella  
 San Jose CA 95139  
 USA

**Mazzitelli Italo**  
 IAS  
 Area d Ricerca CNR  
 Via Fosso Cavaliere 100  
 I 00133 Roma  
 Italy  
 ☎ 39 6 4993 4473  
 ☎ 39 6 2066 0188

**Mazzoni Massimo**  
 Dpt Astronomia  
 Univ d Firenze  
 Largo E Fermi 5  
 I 50125 Firenze  
 Italy  
 ☎ 39 55 27 521  
 ☎ 39 55 22 0039

**Mazzuconi Fabrizio**  
 Osserv Astrofis Arcetri  
 Univ d Firenze  
 Largo E Fermi 5  
 I 50125 Firenze  
 Italy  
 ☎ 39 55 27 52250  
 ☎ 39 55 22 0039

**McAdam W Bruce**  
 School of Physics  
 UNSW  
 Sydney NSW 2006  
 Australia  
 ☎ 61 2 692 2222  
 ☎ 61 2 660 2903

**McAllister Harold A**  
 CHARA  
 Georgia State Univ  
 Atlanta GA 30303 3083  
 USA  
 ☎ 1 404 658 2932  
 ☎ 1 404 651 1389  
 ✉ hal@chara.gsu.edu

**McBreen Brian Phillip**  
 Physics Dpt  
 Univ College  
 Belfield  
 Dublin 4  
 Ireland  
 ☎ 353 1 693 244  
 ☎ 353 1 671 1759

**McCabe Marie K**  
 1617 S Beretania St 801  
 Honolulu HI 96826  
 USA  
 ☎ 1 808 956 0923  
 ☎ 1 808 988 2790

**McCall Marshall Lester**  
 Physics Dpt  
 York Univ  
 4700 Keele St  
 North York ON M3J 1P3  
 Canada  
 ☎ 1 416 736 2100  
 ☎ 1 416 736 5386

**McCammon Dan**  
 Physics Dpt  
 Univ Wisconsin  
 1150 University Av  
 Madison WI 53706  
 USA  
 ☎ 1 608 262 5916  
 ☎ 1 608 262 3077

**McCarroll Ronald**  
 Univ Bordeaux  
 Lab Astrophysique  
 123 r Lamarine  
 F 33405 Talence  
 France  
 ☎ 33 5 56 86 4330  
 ☎ 33 5 56 40 4251

**McCarthy Dennis D**  
 USNO  
 3450 Massachusetts Av NW  
 Washington DC 20392 5100  
 USA  
 ☎ 1 202 762 1627  
 ☎ 1 202 652 0587  
 ✉ dmc@maia.usno.navy.mil

**McCarthy Martin F**  
 Specola Vaticana  
 I 00120 Citta del Vaticano  
 Vatican City State  
 ☎ 39 6 698 3411/5266  
 ☎ 39 6 698 84671  
 ✉ mmcCarthy@as.arizona.edu

**McClain Edward F**  
 4133 Maple Rd  
 Morningside MD 20746  
 USA  
 ☎ 1 301 736 8933

**McClintock Jeffrey E**  
 Cfa  
 HCO/SAO  
 60 Garden St  
 Cambridge MA 02138 1516  
 USA  
 ☎ 1 617 495 7136  
 ☎ 1 617 495 7356

**McClure Robert D**  
 NRCC/HIA  
 DAO  
 5071 W Saanich Rd  
 Victoria BC V8X 4M6  
 Canada  
 ☎ 1 250 388 0230  
 ☎ 1 250 363 0045  
 ✉ robert.mcclure@hia.nrc.ca

**McCluskey George E**  
 Astronomy Div/Maths Dpt  
 Leigh Univ  
 14 East Packer Av  
 Bethlehem PA 18015  
 USA  
 ☎ 1 215 861 3721  
 ✉ cgmo@lehigh.edu

**McConnell David**  
 CSIRO  
 ATNF  
 Locked Bag 194  
 Narrabri NSW 2390  
 Australia  
 ☎ 61 67 904 000  
 ☎ 61 67 904 090  
 ✉ dmcconne@atnf.csiro.au

**McCord Thomas B**  
 Inst of Geophysics  
 Univ of Hawaii  
 2525 Correa Rd  
 Honolulu HI 96822  
 USA  
 ☎ 1 808 956 6488  
 ☎ 1 808 988 2790

**McCray Richard**  
 JILA  
 Univ of Colorado  
 Campus Box 440  
 Boulder CO 80309 0440  
 USA  
 ☎ 1 303 492 7835  
 ☎ 1 303 492 5235  
 ✉ dick@jila.colorado.edu

**McCrea J Dermott**

Physics Dpt  
Univ College  
Belfield  
Dublin 4  
Ireland  
☎ 353 1 693 244  
☎ 353 1 671 1759

**McCrosky Richard E**

CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7212  
☎ 1 617 495 7356

**McCulloch Peter M**

Physics Dpt  
Univ Tasmania  
GPO Box 252c  
Hobart TAS 7001  
Australia  
☎ 61 2 202 420  
☎ 61 2 202 410

**McCutcheon William H**

Physics Dpt  
UBC  
2075 Wesbrook Pl  
Vancouver BC V6T 2A6  
Canada  
☎ 1 604 228 3853  
☎ 1 604 228 5324

**McDonald Frank B**

Inst Physical Sci/Tech  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 4874  
☎ 1 301 314 9363

**McDonald J K Petrie**

768 Richmond Av  
Victoria BC V8S 3Z1  
Canada  
☎ 1 250 592 6880

**McDonnell J A M**

Unit for Space Sci  
Univ of Kent  
Canterbury CT2 7NR  
UK  
☎ 44 12 27 459 616  
☎ 44 12 27 762 616

**McDonough Thomas R**

CALTECH  
500 S Oak Knoll No 46  
Pasadena CA 91101  
USA  
☎ 1 818 795 0147

**McElroy M B**

Dpt Earth/Planet Sci  
Harvard Univ MS 46  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7100  
☎ 1 617 495 7356

**McFadden Lucy Ann**

Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 454 6650  
☎ 1 301 314 9067

**McGaugh Stacy Sutton**

Dpt Terrestri Magnetism  
Carnegie Inst Washington  
5241 Bd Branch Rd NW  
Washington DC 20015 1305  
USA  
☎ 1 202 686 4370\*4399  
☎ 1 202 364 8726  
✉ ssm@dtm.ciw.edu

**McGee Richard X**

CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0310

**McGimsey Ben Q**

Dpt Phys/Astronomy  
Georgia State Univ  
Atlanta GA 30303 3083  
USA  
☎ 1 404 658 2279  
☎ 1 404 542 2492

**McGrath Melissa Ann**

STSci  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4545  
☎ 1 301 338 4767  
✉ mcgrath@stsci.edu

**McGraw John T**

Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 5381  
☎ 1 520 621 1532

**McGregor Peter John**

MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 79 80 33  
☎ 61 262 49 02 33  
✉ peter@mso.anu.edu.au

**McHardy Ian Michael**

Physics Dpt  
Southampton Univ  
Astro/Space Physics Gp  
Southampton SO9 5NH  
UK  
☎ 44 170 359 2079  
☎ 44 170 358 5813

**McIntosh Bruce A**

1007 655 Windemere Rd  
London ON N5X 2W8  
Canada  
✉ mcintosh@sympatico.ca

**McIntosh Patrick S**

NOAA ERL R/E/SE3  
Space Environment Lab  
325 Broadway  
Boulder CO 80303  
USA  
☎ 1 303 497 3795

**McKee Christopher F**

Physics Dpt  
Univ of California  
366 LeConte Hall  
Berkeley CA 94720  
USA  
☎ 1 415 642 0805  
☎ 1 510 642 3411

**McKeith Niall Enda**

Physics Dpt  
St Patrick's College  
Maynooth  
Maynooth Co Kildare  
Ireland  
☎ 353 1 285 222

**McKenna Lawlor Susan**

Physics Dpt  
St Patrick's College  
Maynooth  
Maynooth Co Kildare  
Ireland  
☎ 353 1 285 222

**McKinnon William Beall**

Dpt Earth/Planet Sci  
Washington Univ  
Campus Box 1105  
St Louis MO 63130  
USA  
☎ 1 314 935 5604  
☎ 1 314 935 7361  
✉ mckinnon@wunder.  
wustl.edu

**McLaren Robert A**

Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 8768  
☎ 1 808 946 3467  
✉ mclaren@ifa.hawaii.edu

**McLean Brian J**

STSci  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4900  
☎ 1 301 338 4767  
✉ mclean@stsci.edu

**McLean Donald J**

CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0310  
✉ dmclean@rp.csiro.au

**McLean Ian S**

Dpt Astronomy  
UCLA  
Box 951562  
Los Angeles CA 90025 1562  
USA  
☎ 1 310 825 1140  
☎ 1 310 206 2096  
✉ mclean@bonnie.astro.ucla.edu

**McMahan Robert Kenneth**

Dpt Phys/Astronomy  
Univ North Carolina  
204 Phillips Hall 039a  
Chapel Hill NC 27599 3255  
USA  
☎ 1 919 962 7168  
☎ 1 919 962 0480

**McMahon Richard**

Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
☎ 44 12 23 337 523  
✉ rgm@mail.ast.cam.ac.uk

**McMillan Robert S**

Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 6968  
☎ 1 520 621 1940  
✉ bob@lpl.arizona.edu

**McMullan Dennis**

MP Group  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 274  
☎ 44 12 23 363 263  
✉ dennis@mcmullan.demon.  
co.uk

**McNally Derek**

UCLO  
ULO  
Mill Hill Park  
London NW7 2QS  
UK  
☎ 44 181 959 0421  
☎ 44 181 906 4161  
✉ dmn@starlink.ucl.ac.uk

**Menamara Delbert H**

Dpt Phys/Astronomy  
Brigham Young Univ  
Provo Ut 84602  
USA  
☎ 1 801 378 2298  
✉ mcnamara@astro.byu.edu

**McNaught Robert H**

AAO  
Box 650  
Coonabarabran NSW 2357  
Australia  
☎ 61 68 426 269  
☎ 61 68 842 298  
✉ rmu@aacbn2.aao.  
gov.au

**McWhirter R W Peter**  
Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 446 424  
① 44 12 35 44 5808

**Meaburn John**  
Astronomy Dpt  
Univ Manchester  
Oxford Rd  
Manchester M13 9PL  
UK  
☎ 44 161 275 4224  
① 44 161 275 4223

**Mead Jaylee Montague**  
2700 Virginia Av NW  
Apt 701  
Washington DC 20037  
USA  
☎ 1 202 338 0208  
① 1 202 338 4407  
✉ jmead@blackhole.aas.org

**Meadows A Jack**  
Astronomy Dpt  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
① 44 113 252 2200

**Meatheringham Stephen**  
39 / 60 Henty Street  
Braddon ACT 2612  
Australia  
☎ 61 2 62 68 8142  
① 61 2 62 68 8150  
✉ stephen.meatheringham@  
adfa.edu.au

**Mebold Ulrich**  
RAIUB  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany  
☎ 49 228 73 3658  
① 49 228 73 3672

**Mediavilla Evencio**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117

**Medina Jose**  
Dpt Fisica  
Univ Alcalá  
Apt 20  
E 28800 Alcalá d Henares  
Spain  
☎ 34 1 885 4940  
① 34 1 885 4953

**Medvedev Yuri A**  
Astronomical Observ  
Odessa State Univ  
Shevchenko Park  
270014 Odessa  
Ukraine  
☎ 380 4822 28442  
① 380 4822 28442

**Medvedev Yuri D**  
Inst Theoret Astron  
Acad Sciences  
10 Nab Kutuzova  
191187 St Petersburg  
Russia  
☎ 7 812 275 1064  
① 7 812 272 7968  
✉ medvedev@ita.spb.us

**Meech Karen**  
Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 6828  
① 1 808 988 2790  
✉ meech@ifa.hawaii.edu

**Meeks M Littleton**  
Meeks Associates Inc  
Box 643  
Lincoln MA 01773  
USA  
☎ 1 617 259 0093

**Meerson Baruch**  
Racah Inst of Phys  
Hebrew Univ Jerusalem  
Jerusalem 91904  
Israel  
☎ 972 2 584 470  
① 972 2 61 1519  
✉ meerson@hujivms

**Megessier Claude**  
Observ Paris Meudon  
DASGAL  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7862  
① 33 1 45 07 7971

**Megevand Denis**  
Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauvigny  
Switzerland  
☎ 41 22 755 2611  
① 41 22 755 3983  
✉ denis.megevand@  
obs.unige.ch

**Mehringer David Michael**  
CALTECH  
MC 320 47  
Pasadena CA 91125  
USA  
☎ 1 818 395 6610  
① 1 818 796 8806  
✉ dmehring@socrates.  
caltech.edu

**Meidav Meir**  
School of Education  
Tel Aviv Univ  
Tel Aviv 69978  
Israel  
☎ 972 3 545 0840  
① 972 3 64 13944

**Meier David L**  
CALTECH/JPL  
238 332 JPL  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 5062  
① 1 818 393 6890  
✉ dlm@cena.jpl.  
nasa.gov

**Meier Robert R**  
NRL  
Code 7640  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 2773

**Meikle William P S**  
Astrophysics Gr  
Imperial Coll  
Prince Consort Rd  
London SW7 2BZ  
UK  
☎ 44 171 594 7771  
① 44 171 594 7772

**Meiksin Avery Abraham**  
Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 668 8355  
① 44 131 668 8416  
✉ A.Meiksin@roe.  
ac.uk

**Meln Nicole**  
Observ Paris Meudon  
DASOP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7801  
① 33 1 45 07 7959

**Meln Pierre**  
Observ Paris Meudon  
DASOP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7801  
① 33 1 45 07 7971  
✉ meinp@obspm.fr

**Meinig Manfred**  
Bund Kartograp/Geodesy  
Aussenstelle Potsdam  
Michendorfer Chaussee 23  
D 14473 Potsdam  
Germany  
☎ 49 331 316 609  
① 49 331 316 602  
✉ mg@potsdam.ifag.de

**Meire Raphael**  
Wang Europe  
Weidestr 11  
B 9950 Evergem  
Belgium  
☎ 32 9 253 8755  
① 32 2 714 2177  
✉ rmeire@be.wang.com

**Meisel David D**  
Dpt Phys/Astronomy  
State Univ College  
SUNY  
Geneseo NY 14454  
USA  
☎ 1 716 245 5284  
✉ meisel@uno.cc.geneseo.edu

**Melsenheimer Klaus**  
MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 8206  
① 49 622 152 8246  
✉ meise@dhdmpi5v

**Meister Claudia Veronika**  
Inst Theor Phys/Astroph  
Univ Potsdam  
am Neuen Palais 10  
D 14469 Potsdam  
Germany  
☎ 49 331 7499 327  
① 49 331 7499 309

**Mekarnia Djamel**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 92 00 3161  
① 33 4 92 00 3033  
✉ mekarnia@obs-nice.fr

**Mekler Yuri**  
Dpt Geophys/Planet Sci  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 641 3505  
① 972 3 640 9282

**Melbourne William G**  
CALTECH/JPL  
MS 238 540  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 5071  
① 1 818 393 6030  
✉ ren@logos.jpl.nasa.gov

**Melchior Paul J**  
Koninklijke Sterrenwacht  
van België  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0267  
① 32 2 374 9822  
✉ paul.Melchior@  
oma.be

**Melia Fulvio**  
Dpt Phys/Astronomy  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA

☎ 1 520 621 9651  
① 1 520 621 5698  
✉ melia@spacetime.  
physics.arizona.edu

**Melik-Alaverdian Yu**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
① 374 88 52 52 3640

**Melikian Norair D**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
① 374 88 52 52 3640  
✉ byurakan@adonis.  
ias.msk.su

**Mellema Garrett**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjoebaden  
Sweden  
☎ 46 8 716 4462  
① 46 8 717 4719  
✉ garrell@astro.su.se

**Mellier Yannick**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8140  
① 33 1 44 32 8001  
✉ mellier@iap.fr

**Melnick Gary J**  
CFA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7388  
① 1 617 495 7356  
✉ melnick@cfa.  
harvard.edu

**Melnick Jorge**  
Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101  
① 56 2 229 4002

**Melott Adrian L**  
Dpt Phys/Astronomy  
Univ of Kansas  
Lawrence KS 66045  
USA  
☎ 1 913 864 4626  
① 1 913 864 5262

**Melrose Donald B**  
Dpt Th Physics  
Univ of Sydney  
Sydney NSW 2006  
Australia  
☎ 61 2 692 2222  
① 61 2 660 2903

**Men A V**  
Inst Radio Astron  
Ukrainian Acad Science  
4 Chervonopraporna st  
310085 Kharkiv  
Ukraine

**Mendes Da Costa Aracy**  
CRAAE INPE  
EPUSP/PTR  
CP 61548  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 815 5936  
① 55 11 815 6289

**Mendes de Oliveira Claudia**  
IAG/USP  
Miguel Stefano 4200  
04301 904 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
① 55 11 577 0270  
✉ oliveira@andromeda.  
iagusp.usp.br

**Mendez Manuel**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
① 52 5 616 0653

**Mendez Mariano**  
Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 216 357  
① 54 21 211 761  
✉ mmendez@fcaglp.  
edu.ar

**Mendez Roberto H**  
Inst Astron/Astrofysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 220 9442  
① 49 899 220 9427  
✉ mendez@usm.uni-  
muenchen.de

**Mendis Devamitta Asoka**  
EECS  
UCSD  
La Jolla CA 92093 0216  
USA  
☎ 1 619 452 2719

**Mendoza Claudio**  
IBM Venezuela Scient Ctr  
Box 388  
Caracas 1010 A  
Venezuela  
☎ 58 2 908 8697

**Mendoza V Eugenio E**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
① 52 5 616 0653

**Mendoza-Torres Jose-Eduardo**  
INAOE  
Tonantzintlaz  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico  
☎ 52 2 247 2011  
① 52 2 247 2231

**Meneguzzi Maurice M**  
DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 4438  
① 33 1 69 08 6577

**Meng Xinmin**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
① 86 871 717 1845

**Mennella Vito**  
Osserv d Capodimonte  
Via Moiariello 16  
I 80131Napoli  
Italy  
☎ 39 81 298384  
① 39 81 45 6710  
✉ mennella@astrna.  
na.astro.it

**Messenger Marie-Odile**  
GRAAL  
Univ Montpellier II  
Pi E Bataillon  
F 34095 Montpellier Cdx 5  
France  
☎ 33 4 67 52 3548  
① 33 4 67 14 4534  
✉ memes@graal.univ-  
monrp2.fr

**Mepon T K**  
Dpt Geophys/Astronomy  
UBC  
2219 Main Mall  
Vancouver BC V6T 1Z4  
Canada  
☎ 1 604 822 2267  
① 1 604 822 6047

**Mentese Huseyin**  
Univ Observ  
Univ of Istanbul  
University 34452  
34452 Istanbul  
Turkey  
☎ 90 212 522 3597  
① 90 212 519 0834

**Menzies John W**  
SAAO  
PO Box 9  
7935 Observatory  
South Africa  
☎ 27 21 47 0025  
① 27 21 47 3639  
✉ jwm@sao.ac.za

**Merat Parviz**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8108  
① 33 1 44 32 8001

**Mercier Claude**  
Observ Paris Meudon  
DASOP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7815  
① 33 1 45 07 7959

**Merighi Roberto**  
Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 401  
① 39 51 259 407

**Merkle Fritz**  
Carl Zeiss Jena GmbH  
Tatzens Promenade 1a  
Postfach 125  
D 07740 Jena  
Germany  
☎ 49 364 1640  
① 49 364 164 2542

**Merman G A**  
Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
192187 St Petersburg  
Russia  
☎ 7 812 278 8898  
① 7 812 272 7968

**Merman Natalia V**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
① 7 812 315 1701

**Mermilliod Jean-Claude**  
Institut Astronomie  
Univ Lausanne  
CH 1290 Chavannes d Bois  
Switzerland  
☎ 41 22 755 2611  
① 41 22 755 3983  
✉ jean-claude.mermilliod@  
obs.unige.ch

**Merriam James B**  
Dpt Geological Sci  
Univ of Saskatchewan  
Saskatoon SK S7N 0W0  
Canada  
☎ 1 306 966 5716  
☎ 1 306 966 8593  
✉ merriam@geoid.usask.ca

**Mertz Lawrence N**  
287 Fairfield Ct  
Palo Alto CA 94306 4619  
USA  
☎ 1 650 494 8578  
✉ digiphase@worldnet.att.net

**Merzaniades Constantinos**  
Zalougou 15  
GR 65403 Kavala  
Greece  
☎ 30 51 22 840

**Message Philip J**  
Dpt Appl Maths/Theor Phys  
Univ of Liverpool  
Box 147  
Liverpool L69 3BX  
UK  
☎ 44 151 709 6022  
☎ 44 151 708 6502

**Messerotti Mauro**  
Astronomical Observ  
OAT  
Basovizza 302  
I 34012 Trieste  
Italy  
☎ 39 40 22 6176  
☎ 39 40 226761  
✉ messerotti@oat.ts.astro.it

**Messina Antonio**  
Dpt Astronomia  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 301  
☎ 39 51 259 407

**Mestel Leon**  
Astronomy Centre  
Univ of Sussex  
Falmer  
Brighton BN1 9QH  
UK  
☎ 44 12 73 60 6755  
☎ 44 12 73 67 8097

**Meszáros Attila**  
Astronomical Institute  
Charles Univ  
V Holesovickack 2  
CZ 180 00 Praha 8  
Czech R  
☎ 420 2 2191 2572  
☎ 420 2 688 5095  
✉ meszaros@mbbox.cesnet.cz

**Meszáros Peter**  
Astronomy Dpt  
Pennsylvania State Univ  
525 Davey Lab  
University Park PA 16802  
USA  
☎ 1 814 865 0418  
☎ 1 814 863 3399  
✉ pmeszaros@astro.psu.edu

**Metaxa Margarita**  
Inst Arsakeio High Sch  
63 Eth Andistaseos Str  
GR 152 31 Athens  
Greece  
☎ 30 1 674 2825  
☎ 30 1 675 6968  
✉ mmetaxa@compulink.gr

**Metcalfe Leo**  
ESA/ESTEC  
SSD  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 6555  
☎ 31 71 565 4532

**Metz Klaus**  
Novalis-Haus Zimmer 217  
Ghersburgstr 19  
D 83043 Bad Aibling  
Germany

**Meurs Evert**  
Dunsink Observ  
DIAS  
Castleknoek  
Dublin 15  
Ireland  
☎ 353 1 38 7911  
☎ 353 1 38 7090

**Meusinger Helmut**  
Thueringer Landessternwarte  
Sternwarte 5  
D 07778 Tautenburg  
Germany  
☎ 49 364 278 6362  
☎ 49 364 278 6329  
✉ meus@tls-tautenburg.de

**Mewe R**  
SRON  
Postbus 800  
Sorbonnelaan 2  
NL 3584 CA Utrecht  
Netherlands  
☎ 31 30 253 5600  
☎ 31 30 254 0860

**Meyer Claude**  
OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 40 5379  
☎ 33 4 93 40 5353  
✉ meyer@ocar01.obs-azur.fr

**Meyer David M**  
Dearborn Observ  
NW Univ  
2131 Sheridan Rd  
Evanston IL 60208 3112  
USA  
☎ 1 847 491 4516  
☎ 1 847 491 3135

**Meyer Friedrich**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 00  
☎ 49 893 299 3235

**Meyer Jean-Paul**  
DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 5025  
☎ 33 1 69 08 6577

**Meyer-Hofmeister Eva**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 00  
☎ 49 893 299 3235

**Meyers Karie Ann**  
NOAO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 325 9202  
☎ 1 520 325 9360  
✉ kmeyers@noao.edu

**Meylan Georges**  
ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6293  
☎ 49 893 202 362  
✉ gmeylan@eso.org

**Meynet Georges**  
Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauverny  
Switzerland  
☎ 41 22 755 2611  
☎ 41 22 755 3983  
✉ georges.meynet@obs.unige.ch

**Mezger Peter G**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 297  
☎ 49 228 525 229

**Mezzetti Marino**  
SISSA  
Astronomy Dpt  
c/o SISSA Via Beirut 4  
I 34014 Trieste  
Italy  
☎ 39 40 378 7478  
☎ 39 40 378 7528  
✉ mezzetti@gandalf.sissa.it

**Mianes Pierre**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
☎ 33 5 61 27 3179

**Miao Yongkuan**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 663 7551\*2882  
☎ 86 25 330 2728

**Miao Yongrui**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
☎ 86 21 6438 4618

**Micela Gluseppina**  
Osserv Astronomico  
Univ d Palermo  
Piazza Parlamento 1  
I 90134 Palermo  
Italy  
☎ 39 91 657 0451  
☎ 39 91 48 8900

**Michalec Adam**  
Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
☎ 48 12 25 1318

**Michalowski Tadeusz**  
Astronomical Observ  
A Mickiewicz Univ  
Ul Sloneczna 36  
PL 60 286 Poznan  
Poland  
☎ 48 61 67 9670  
☎ 48 61 53 6536  
✉ tmich@phys.amu.edu.pl

**Michard Raymond**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
☎ 33 4 92 00 3033

**Michaud Georges J**  
250 Du Finistere  
St Lambert J4S 1P5  
Canada  
☎ 1 514 343 6672  
✉ michaudg@cerca.  
umontreal.ca

**Michel Eric**  
Observ Paris Meudon  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7872  
☎ 33 1 45 07 7872  
✉ Eric.Michel@obspm.fr

**Michel F Curtis**  
Dpt Phys/Astronomy  
Rice Univ  
Box 1892  
Houston TX 77251 1892  
USA

☎ 1 713 527 4925  
☎ 1 713 285 5143

**Mickaelian Areg Martin**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640  
✉ aregmick@bao.sci.am  
byurakan@pnas.sci.am

**Mickelson Michael E**  
Dpt Phys/Astronomy  
Denison Univ  
Granville OH 43023  
USA  
☎ 1 614 587 6467  
☎ 1 614 587 6240  
✉ mickelson@denison.edu

**Mietelski Jan S**  
Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
☎ 48 12 25 1318

**Migenes Victor**  
Dpt Astronomia  
Univ Guanajuato  
Apdo 144  
Guanajuato GTO 36000  
Mexico  
☎ 52 4 732 9548  
☎ 52 4 732 0253

**Mighell Kenneth John**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 318 8391  
☎ 1 520 318 8360  
✉ mighell@noao.edu

**Mignard Francois**  
OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 40 5382  
☎ 33 4 93 40 5353  
✉ miguard

**Mihaila Ieronim**  
Bucharest Univ  
Str Academiei 14  
RO 70109 Bucharest  
Rumania  
☎ 40 1 623 0819

**Mihalas Barbara R Weibel**  
NCSA  
Beckman Inst Draw 25  
405 Mathews Av  
Urbana IL 61801  
USA

**Mihalas Dimitri**  
Dpt Astron/Physics  
Univ of Illinois  
1011 W Springfield Av  
Urbana IL 61801  
USA  
☎ 1 217 333 3090  
☎ 1 217 244 7638

**Mikami Takao**  
Osaka Gakuin Univ  
2-36-1 Kishibe Minami  
Suita Shi  
Osaka 564  
Japan  
☎ 81 638 18 434

**Mikesell Alfred H**  
8316 Walnut Rd NE  
Olympia WA 98506 69550  
USA  
☎ 1 206 493 1457

**Mikhail Fahmy I**  
Ain Shams Univ  
Fac Sciences  
Cairo Univ  
Cairo  
Egypt  
☎ 20 2 257 5887

**Mikhail Joseph Sidky**  
NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
☎ 20 62 21 405 297  
✉ astro.frcu.eun.eg

**Mikhelson Nikolaj N**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 297 9465  
☎ 7 812 315 1701

**Mikkola Seppo**  
Turku Univ  
Tuorla Observ  
Vaesisaelentie 20  
FIN 21500 Piikkiö  
Finland  
☎ 358 2 274 4256  
☎ 358 2 243 3767

**Mikolajewska Joanna**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
☎ 48 22 41 0828  
✉ mikolaj@camk.  
edu.pl

**Mikulasek Zdenek**  
N Copernicus Observ  
and Planetarium  
Kravi Hora 2  
CZ 616 00 Brno 16  
Czech R  
☎ 420 5 4132 1287  
✉ mikulas@dior.ics.  
sci.muni.cz

**Milani Andrea**  
Dpt Matematica  
Univ d Pisa  
Via Buonarroti 2  
I 56127 Pisa  
Italy

**Milano Leopoldo**  
Dpt Scienze Fisiche  
Univ d Napoli  
Mostra D Oltremare Pad 19  
I 80125 Napoli  
Italy  
☎ 39 81 725 3447

**Miles Howard G**  
Lane Park Priyne  
St Minver  
Wadebridge PL27 6PN  
UK  
☎ 44 120 88 63153

**Milet Bernard L**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
☎ 33 4 92 00 3033

**Miley George K**  
Leiden Observ  
Box 9513  
NL 2333 RA Leiden  
Netherlands  
☎ 31 71 527 5849  
☎ 31 71 527 5819  
  
**Milkey Robert W**  
AAS  
2000 Florida Av Nw  
Suite 400  
Washington DC 20009 1231  
USA  
☎ 1 202 328 2010  
☎ 1 202 234 2560  
✉ milkey@aas.org

**Miller Thomas J**  
Mathematics Dpt  
UMIST  
Box 88  
Manchester M60 1QD  
UK  
☎ 44 161 200 3677  
☎ 44 161 200 3669

**Miller Freeman D**  
Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 764 3447  
☎ 1 313 764 2211

**Miller Guy Scott**  
Dearborn Observ  
NW Univ  
2131 Sheridan Rd  
Evanston IL 60208 3112  
USA  
☎ 1 847 491 8647  
☎ 1 847 491 3135  
✉ gsmiller@ossenu.  
astro.nwu.edu

**Miller Hugh R**  
Dpt Phys/Astronomy  
Georgia State Univ  
Atlanta GA 30303 3083  
USA  
☎ 1 404 658 2279  
☎ 1 404 542 2492

**Miller John C**  
Astrophysics Dpt  
Univ of Oxford  
Keble Rd  
Oxford OX1 3RQ  
UK  
☎ 44 186 551 1336  
☎ 44 186 527 3390

**Miller Joseph S**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 429 2135  
☎ 1 831 426 3115

**Miller Richard H**  
Astronomy/Astrophys Ctr  
Univ of Chicago  
5640 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 773 702 8201  
☎ 1 312 702 8212  
✉ rhm@oddjob.uchicago.edu

**Millet Jean**  
LAS  
Traverse du Siphon  
Les Trois Lucs  
F 13376 Marseille Cdx 12  
France  
☎ 33 4 91 05 5900  
☎ 33 4 91 66 1855



**Milliard Bruno**  
LAS  
Traverse du Siphon  
Les Trois Lucs  
F 13376 Marseille Cdx 12  
France  
☎ 33 4 91 05 5900  
☎ 33 4 91 66 1855  
✉ milliard@frlasm51

**Milligan J E**  
NASA GSFC  
IR Astrophys Br  
Greenbelt MD 20771  
USA

**Millikan Allan G**  
7061 Boughton Hill Rd  
Victor NY 14564  
USA  
☎ 1 716 924 9802

**Millis Robert L**  
Lowell Observ  
1400 W Mars Hill Rd  
Box 1149  
Flagstaff AZ 86001  
USA  
☎ 1 602 774 3358  
☎ 1 520 774 3358

**Mills Allan A**  
Astronomy Dpt  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
☎ 44 113 252 2200

**Mills Bernard Y**  
School of Physics  
UNSW  
Sydney NSW 2006  
Australia  
☎ 61 2 692 2544  
☎ 61 2 660 2903

**Milne Douglas K**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0310  
✉ dmiine@atnf.csiro.au

**Milogradov-Turin Jelena**  
Astronomy Dpt  
Univ of Belgrade  
Studentski Trg 16  
11000 Beograd  
Yugoslavia FR  
☎ 381 11 638 715  
☎ 381 11 630 151  
✉ epmf21@yubgss21.bg.ac.yu

**Milone Eugene F**  
Dpt Phys/Astronomy  
Univ of Calgary  
2500 University Dr NW  
Calgary AB T2N 1N4  
Canada  
☎ 1 403 220 5412  
☎ 1 403 289 3331  
✉ milone@acs.  
ucalgary.ca

**Milone Luis A**  
Observ Astronomico  
de Cordoba  
Laprida 854  
5000 Cordoba  
Argentina  
☎ 54 51 23 0491  
☎ 54 51 21 0613  
✉ milone@astro.  
edu.ar

**Minarovjeh Milan**  
Astronomical Institute  
Slovak Acad Sci  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 96 7866  
☎ 421 969 96 7656

**Mineshige Shin**  
Astronomy Dpt  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 53 7008  
☎ 81 75 753 7010  
✉ minesige@kusastro.  
kyoto-u.ac.j

**Mineva Veneta**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8827  
☎ 359 2 75 5019

**Mingaliev Marat G**  
SAO  
Acad Sciences  
Nizhnij Arkhzy  
357147 Karachaev  
Russia  
☎ 7 878 789 2501  
☎ 7 871 140 6337  
✉ marat@sao.stavropol.su

**Minh Young Chol**  
Korea Astronomy Obs/ISSA  
36 1 Whaam Dong  
Yuseong Gu  
Taejon 305 348  
Korea RP  
☎ 82 428 65 3282  
☎ 82 428 65 3282  
✉ minh@hanul.issa.re.kr

**Minikulov Nasridin K**  
Astrophys Inst  
Uzbek Acad Sci  
Sviridenko Ul 22  
734670 Dushanbe  
Tajikistan  
☎ 7 3772 27 4351  
☎ 7 3770 27 5483

**Minin Igor N**  
Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
198904 St Petersburg  
Russia  
☎ 7 812 257 9489  
☎ 7 812 428 4259

**Minn Young Key**  
Dpt Astron/Space Sci  
Kyunghee Univ  
Yong In Kun  
Kyunggee 449 701  
Korea RP  
☎ 82 276 46 131

**Minnet Harry C**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0310

**Minniti Dante**  
ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6532  
☎ 49 893 202 362  
✉ dante@eso.org

**Mintz Blanco Betty**  
NOAO  
CTIO  
Casilla 603  
La Serena  
Chile  
☎ 56 51 22 5415  
☎ 56 51 20 5342  
✉ bblanco@noao.edu

**Mioc Vasile**  
Astronomical Institute of the  
Romanian Academy  
Romanian Acad Sciences  
Cutitul de Argint 5  
RO 75212 Bucharest  
Rumania  
☎ 40 1 335 3692  
☎ 40 1 337 3389  
✉ vmioc@roastro.  
astro.ro

**Mirabel Igor Felix**  
DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 3492  
☎ 33 1 69 08 6577

**Mironov Nikolay T**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 64759  
☎ 380 4426 62147

**Mirzoyan Ludwik V**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640  
✉ gaabao96@pnas.sci.am

**Misconi Nebil Yousif**  
Dpt Phys/Space Sci  
Florida Inst Techn  
150 W University Blvd  
Melbourne FL 32901  
USA  
☎ 1 407 768 8000  
☎ 1 407 984 8461

**Mishenina Tamara**  
Astronomical Observ  
Odessa State Univ  
Shevchenko Park  
Odessa 270014  
Ukraine  
☎ 380 4822 20396  
☎ 380 4822 28442  
✉ root@astro.odessa.ua

**Misner Charles W**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 454 6650  
☎ 1 301 314 9067

**Missana Marco**  
Osserv Astronomico  
d Brera  
Via Cremagnani 13/11  
I 20059 Vimercate  
Italy  
☎ 39 2 723 20302  
✉ missana@brera.mi.astro.it

**Mitalas Romas Assoc**  
Dpt Phys/Astronomy  
Univ W Ontario  
London ON N6A 3K7  
Canada  
☎ 1 519 679 3184  
☎ 1 519 661 3486

**Mitchell George F**  
Astronomy Dpt  
St Mary's Univ  
Halifax NS B3H 3C3  
Canada  
☎ 1 902 429 9780  
☎ 1 902 420 5561

**Mitchell Kenneth J**  
General Sciences Corp  
6100 Chevy Chase Dr  
Laurel MD 20707  
USA  
☎ 1 301 513 7815  
✉ mitchell@aruba.gsfc.nasa.gov

**Mitchell Peter**  
School of Physics  
UNSW  
Sydney NSW 2052  
Australia  
☎ 61 2 9385 5168  
☎ 61 2 660 2903

**Mitic Ljubisa A**  
Astronomical Observ  
Volgina 7  
11050 Beograd  
Yugoslavia FR  
☎ 381 1 419 357/421 875  
☎ 381 1 419 553

- Mitra A P**  
 Nd Physical Laboratory  
 Hillside Rd  
 New Delhi 110 012  
 India  
 ☎ 91 11 585 298/440
- Mitrofanova Lyudmila A**  
 Pulkovo Observ  
 Acad Sciences  
 10 Kutuzov Quay  
 196140 St Petersburg  
 Russia  
 ☎ 7 812 298 2242  
 ☎ 7 812 315 1701
- Mitsuda Kazuhisa**  
 ISAS  
 3-1-1 Yoshinodai  
 Sagami-hara  
 Kanagawa 229 8510  
 Japan  
 ☎ 81 427 51 3911  
 ☎ 81 427 59 4253
- Mitton Jaqueline**  
 8a Canterbury Close  
 Cambridge CB4 3QQ  
 UK  
 ☎ 44 12 23 355 24
- Mitton Simon**  
 CUP  
 Shaftsbury Rd  
 Cambridge CB2 2RU  
 UK  
 ☎ 44 12 23 31 2393  
 ✉ sam11@phx.cam.ac.uk
- Miyaji Shigeki**  
 Physics Dpt  
 Chiba Univ  
 1-33 Yayoi-cho Inage-ku  
 Chiba 263  
 Japan  
 ☎ 81 43 290 3719  
 ☎ 81 43 290 3720  
 ✉ miyaji@c.chiba-u.ac.jp
- Miyama Syoken**  
 Physics Dpt  
 Kyoto Univ  
 Sakyo-ku  
 Kyoto 606 01  
 Japan  
 ☎ 81 757 51 2111  
 ☎ 81 75 753 7010
- Miyamoto Masanori**  
 Tokyo Astronomical Obs  
 NAOJ  
 Osawa Mitaka  
 Tokyo 181  
 Japan  
 ☎ 81 422 32 5111  
 ☎ 81 422 32 1924  
 ✉ ma@uramus.mtk.mao.jp.  
 psomaxx@c1.mtk.nao.ac.jp
- Miyamoto Sigenori**  
 Physics Dpt/Fac Sciences  
 Osaka Univ  
 Machikaneyama  
 Toyonaka Osaka 560  
 Japan  
 ☎ 81 684 41 151
- Miyoshi Makoto**  
 National Astronomical Obs  
 2-10 Hoshigaoka  
 Mizusawa Shi  
 Iwate 023  
 Japan  
 ☎ 81 197 22 7138  
 ☎ 81 197 222 715  
 ✉ miyoshi@miz.nao.ac.jp
- Miyoshi Shigeru**  
 Physics Dpt  
 Kyoto Sangyo Univ  
 Kamigamo  
 Kyoto 603  
 Japan  
 ☎ 81 757 05 1609  
 ☎ 81 75 705 1640  
 ✉ miyoshi@asca.kyoto-su.ac.jp
- Mizumoto Yoshihiko**  
 Nd Astronomical Obs  
 Osawa 2-21-1  
 Mitaka  
 Tokyo 181  
 Japan  
 ☎ 81 422 34 3702  
 ☎ 81 422 34 3708  
 ✉ mizumoto@optik.mtk.nao.ac.jp
- Mizuno Akira**  
 Astrophysics Dpt  
 Nagoya Univ  
 Furocho Chikusa-ku  
 Nagoya 464 01  
 Japan  
 ☎ 81 527 81 6769  
 ☎ 81 527 82 0647  
 ✉ mizuno@a.phys.nagoya-u.ac.jp
- Mizuno Shun**  
 Kanazawa Techn Inst  
 7-1 Ogigaoka  
 Nonoichimachi  
 Ishikawa 921  
 Japan  
 ☎ 81 762 48 1100
- Mizuno Takao**  
 Tokyo Gakugei Univ  
 Koganei City  
 Tokyo 184  
 Japan  
 ☎ 81 423 25 2111  
 ☎ 81 423 24 9832  
 ✉ mizuno@yamabuki.u-gakugei.ac.jp
- Mizutani Kohei**  
 Physics Dpt  
 Saitama Univ  
 Z55 Shimo-Okubo  
 Urawa 338  
 Japan  
 ☎ 81 488 58 3376  
 ☎ 81 488 58 3698  
 ✉ mizutani@crspark.cr.phy.saitama-u.ac.jp
- Mnatsakanian Mamikon A**  
 Byurakan Astrophys Observ  
 Armenian Acad Sci  
 378433 Byurakan  
 Armenia  
 ☎ 374 88 52 28 3453/4142  
 ☎ 374 88 52 52 3640
- Mo Houjun**  
 MPA  
 Karl Schwarzschildstr 1  
 D 85748 Garching  
 Germany  
 ☎ 49 893 299 3246  
 ☎ 49 893 299 3235  
 ✉ hom@mpa-garching.mpg.de
- Mo Jing-er**  
 Purple Mountain Obs  
 CAS  
 Nanjing 210008  
 China PR  
 ☎ 86 25 36967  
 ☎ 86 25 301 459
- Mochkovitch Robert**  
 IAP  
 98bis bd Arago  
 F 75014 Paris  
 France  
 ☎ 33 1 44 32 8187  
 ☎ 33 1 44 32 8001
- Mochnacki Stephan W**  
 David Dunlap Observ  
 Univ of Toronto  
 60 St George St  
 Toronto ON M5s 1A1  
 Canada  
 ☎ 1 416 978 2016  
 ☎ 1 416 978 3921
- Modali Sarma B**  
 SM Systems/Res Co  
 8401 Corporate Dr  
 Suite 450  
 Landover MD 20785  
 USA  
 ☎ 1 301 459 3322
- Modisette Jerry L**  
 18323 Hereford Ln  
 Houston TX 77058  
 USA
- Moehler Sabine**  
 Dr Remeis Sternwarte  
 Univ Erlangen-Nuernberg  
 Sternwartstr 7  
 D 96049 Bamberg  
 Germany  
 ☎ 49 951 952 2217  
 ☎ 49 951 952 2222  
 ✉ moehler@a400.sternwarte.uni-erlangen.de
- Moehlmann Diedrich**  
 Inst Raumsimulation  
 Postfach 90 60 58  
 D 51140 Koeln  
 Germany  
 ☎ 49 220 360 13205  
 ☎ 49 220 360 12094/2352  
 ✉ dirk.moehlmann@europa.rs.kp.dl
- Moellenhoff Claus**  
 Landessternwarte  
 Koenigstuhl  
 D 69117 Heidelberg  
 Germany  
 ☎ 49 622 150 9210  
 ☎ 49 622 150 9202  
 ✉ cmoellen@hp2.lsw.uni-heidelberg.de
- Moeller Paule**  
 ESO  
 Karl Schwarzschildstr 2  
 D 85748 Garching  
 Germany  
 ☎ 49 893 20 060  
 ☎ 49 893 202 362
- Moerdijk Willy G**  
 Sterrekundig Observ  
 Universiteit Gent  
 Krijgslaan 281 S9  
 B 9000 Gent  
 Belgium  
 ☎ 32 9 264 4763  
 ☎ 32 92 64 4989
- Moegaard Kristian P**  
 History of Sci Inst  
 Univ of Aarhus  
 Bygadan 1/Torrlid  
 DK 8300 Odder  
 Denmark  
 ☎ 45 86 53 1004
- Moffat Anthony F J**  
 Dpt d Physique  
 Universite Montreal  
 CP 6128 Succ A  
 Montreal QC H3C 3J7  
 Canada  
 ☎ 1 514 343 6682  
 ☎ 1 514 343 2071
- Moffat John W**  
 Physics Dpt  
 Univ of Toronto  
 60 St George St  
 Toronto ON M5S 1A1  
 Canada  
 ☎ 1 416 978 2949  
 ☎ 1 416 978 3921
- Moffatt Henry Keith**  
 Isaac Newton Inst for  
 Mathematical Sci  
 20 Clarkson Rd  
 Cambridge CB3 9EH  
 UK  
 ☎ 44 12 23 335 80  
 ☎ 44 12 23 330 508  
 ✉ hkm2@newton.cam.ac.uk
- Moffett Thomas J**  
 Physics Dpt  
 Purdue Univ  
 West Lafayette IN 47907  
 USA  
 ☎ 1 317 494 5508  
 ☎ 1 317 494 0706  
 ✉ moffett@physics.purdue.edu

**Mogilevskij Eh I**  
ITMIRWP  
Acad Sciences  
142092 Troitsk  
Russia  
☎ 7 095 232 1931  
📠 7 095 334 0124

**Mohan Chander**  
Mathematics Dpt  
Univ of Roorkee  
Roorkee 247 667  
India

**Mohan Vijay**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136

**Mohd Zambri Zainuddin**  
Ctr for Foundation  
Univ of Malaysia  
59100 Kuala Lumpur  
Malaysia  
☎ 60 3 755 2744  
📠 60 3 757 3661

**Moiseev I G**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
📠 380 6554 40704

**Molaro Paolo**  
OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 31 99255  
📠 39 40 30 9418

**Molchanov Andrea P**  
Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
199178 St Petersburg  
Russia  
☎ 7 812 428 7129  
📠 7 812 428 4259

**Moles Marianò J**  
Inst Astrofísica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
📠 34 5 881 4530

**Molina Antonio**  
Inst Astrofísica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1300  
📠 34 5 881 4530

**Molinari Emilio**  
Osserv Astronomico  
d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy  
☎ 39 990 6412  
📠 39 990 8492  
✉ molinari@merate.  
mi.astro.it

**Molnar Michael R**  
Molnar Technologies  
3 Stoningham Dr  
Warren NJ 07060  
USA  
☎ 1 201 580 1404

**Molotaj Olexandr**  
Astronomical Observ  
Observatorna st 3  
Kyiv 254 053  
Ukraine  
☎ 380 4421 62391  
📠 380 4426 64507  
✉ mol@oaku.freenet.  
kiev.ua

**Momchev Gospodin**  
Astronomical Observ  
Box 7  
BG 8800 Sliven  
Bulgaria  
☎ 359 4 42 8353

**Monaghan Joseph J**  
Mathematics Dpt  
Monash Univ  
Wellington Rd  
Clayton VIC 3168  
Australia  
☎ 61 3 541 2563

**Monet Alice K B**  
USNO  
Flagstaff Station  
Box 1149  
Flagstaff AZ 86002 1149  
USA  
☎ 1 602 779 5132  
📠 1 602 774 3626  
✉ alice@nfs.navy.mil

**Monet David G**  
USNO  
Flagstaff Station  
Box 1149  
Flagstaff AZ 86002 1149  
USA  
☎ 1 520 779 5132  
📠 1 520 774 3626  
✉ dgm@nfs.navy.mil

**Monfils Andre G**  
NEOC SA  
Chemin Macors 17  
B 4052 Beaufays  
Belgium  
☎ 32 4 368 7929  
📠 32 4 368 7929

**Monier Richard**  
Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0753  
📠 33 3 88 37 1408  
✉ rmonier@cdsxb.a.u-  
strasbg.fr

**Monin Jean-Louis**  
Observ Grenoble  
Lab Astrophysique  
BP 53x  
F 38041 S Martin Heres Cdx  
France  
☎ 33 4 76 51 4786  
📠 33 4 76 44 8821

**Monnet Guy J**  
Observ Lyon  
Av Ch Andre  
F 69561 S Genis Laval Cdx  
France  
☎ 33 4 78 56 0705  
📠 33 4 72 39 9791

**Monteiro Mario J P F G**  
Centro Astrofísica  
Univ d Porto  
rua d Campo Alegre 823  
P 4150 Porto  
Portugal  
☎ 351 2 600 7081  
📠 351 2 600 7082  
✉ mjm@astro.up.pt

**Monteiro Tania S**  
Mathematics Dpt  
Royal Holloway College  
Univ of London  
Egham Surrey TW20 0EX  
UK  
☎ 44 17 843 4455\*3106  
✉ asl0703@ulcc

**Montes Carlos**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
📠 33 4 92 00 3033

**Montmerle Thierry**  
DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 4722  
📠 33 1 69 08 9266  
✉ montmerle@sapvix.  
saclay.cea.fr

**Moody Joseph Ward**  
Dpt Phys/Astronomy  
263 FB  
BYU  
Provo UT 84602  
USA  
☎ 1 801 378 4347  
📠 1 801 378 2265  
✉ jmoody@astro.byu.edu

**Mook Delo E**  
Dpt Phys/Astronomy  
Dartmouth College  
6127 Wilder Lab  
Hanover NH 03755  
USA  
☎ 1 603 646 2972  
📠 1 603 646 1446

**Moon Shin Haeng**  
Korea Astronomy Obs/ISSA  
36 I Whaam Dong  
Yuseong Gu  
Taejon 305 348  
Korea RP  
☎ 82 428 61 1497  
📠 82 428 81 5610

**Moons Michele B M M**  
Dpt Mathematique  
FUNDP  
Rempart de la Vierge 8  
B 5000 Namur  
Belgium  
☎ 32 81 72 4940  
📠 32 81 72 4914  
✉ mmoons@math.fundp.ac.be

**Moore Daniel R**  
Mathematics Dpt  
Imperial Coll  
Prince Consort Rd  
London SW7 2BZ  
UK  
☎ 44 171 594 7771  
📠 44 171 594 7772

**Moore Elliott P**  
Physics Dpt  
Coppos Station  
Socorro NM 87801  
USA  
☎ 1 505 835 5431  
📠 1 505 835 5707  
✉ moore@arctic.nmt.edu

**Moore Patrick**  
Farthings  
39 West St  
Selsey Sussex  
UK  
☎ 44 124 360 3668

**Moore Ronald L**  
NASA/MSFC  
Space Science Lab  
Code ES 52  
Huntsville AL 35812  
USA  
☎ 1 205 453 0118  
📠 1 205 544 7754

**Moorhead James M**  
Dpt Phys/Astronomy  
Univ W Ontario  
London ON N6A 3K7  
Canada  
☎ 1 519 679 2111\*6712  
📠 1 519 661 2009  
✉ moorhead@phobos.  
astro.uwo.ca

- Moorwood Alan F M**  
ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6294  
① 49 893 202 362
- Moos Henry Warren**  
Dpt Phys/Astronomy  
JHU  
Charles/34th St  
Baltimore MD 21218  
USA  
☎ 1 301 516 7337  
① 1 301 516 5494  
✉ hwm@pha.jhu.edu
- Morales-Duran Carmen**  
ESA  
Apt 50727 Villafranca  
E 28080 Madrid  
Spain  
☎ 34 1 675 0700  
① 34 1 813 1139
- Moran James M**  
CfA  
HCO/SAO MS 42  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7477  
① 1 617 495 7345  
✉ moran@cfa.harvard.edu
- Morbey Christopher L**  
NRCC/HIA  
DAO  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 388 0220  
① 1 250 363 0045  
✉ chris.morbey@hia.nrc.ca
- Morbiddelli Alessandro**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 92 00 3126  
① 33 4 92 00 3033  
✉ morby@obs-nice.fr
- Morbiddelli Lorenzo**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
① 39 55 22 0039  
✉ lorenzo@arcetri.astro.it
- Morbiddelli Roberto**  
Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9000  
① 39 11 461 9030  
✉ morbidelli@to.astro.it
- Morcós Abd El Fady B**  
NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
① 20 62 21 405 297  
✉ astro@frcu.eun.eg
- Moreau Olivier**  
Forum des Sciences  
Planetarium  
1 Pl Hotel de ville  
F 59650 Villeneuve d'Ascq  
France  
☎ 33 3 20 19 3600  
① 33 3 20 19 3601  
✉ moreau@astro.ulg.ac.be
- Moreels Guy**  
Observ Besancon  
41bis Av Observatoire  
BP 1615  
F 25000 Besancon Cdx  
France  
☎ 33 3 81 50 2266  
① 33 3 81 66 6944
- Moré Pierre-Jacques**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
① 33 4 92 00 3033
- Moreno Corral Marco A**  
Observ Astronomico Nacional  
UNAM  
Apt 877  
Ensenada BC 22800  
Mexico  
☎ 52 6 174 4580  
① 52 6 174 4607
- Moreno Edmundo**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
① 52 5 548 3712
- Moreno Fernando**  
Inst Astrofísica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
① 34 5 881 4530
- Moreno Hugo**  
Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101/4002  
① 56 2 229 4002  
✉ hmoreno@das.uchile.cl
- Moreno-Insertis Fernando**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117  
✉ fmi@iac.es
- Moreton G E**  
15 5 The Esplanade  
Balmoral Beach NSW 2088  
Australia
- Morgan Brian Lealan**  
Astrophysics Gr  
Imperial Coll  
Prince Consort Rd  
London SW7 2BZ  
UK  
☎ 44 171 594 7771  
① 44 171 594 7772  
✉ b.morgan@ic.ac.uk
- Morgan David H**  
Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 667 3321  
① 44 131 662 1668
- Morgan John Adrian**  
Aerospace Corp  
MS M4 041  
Box 92957  
Los Angeles CA 90009 2957  
USA  
☎ 1 310 336 5000  
① 1 310 336 1636
- Morgan Peter**  
Canberra Coll Adv Educ  
School Applied Science  
Box 1  
Belconnen ACT 2616  
Australia  
☎ 61 62 522 557
- Morgan Thomas H**  
Southwest Res Inst  
Po Drawer 28510  
San Antonio TX 78228 0510  
USA  
☎ 1 210 522 3985  
① 1 210 647 4325  
✉ tmorgan@swri.dnet.nasa.gov
- Morganti Raffaella**  
Istt Radioastronomia  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9385  
① 39 51 639 9431  
✉ morganti@astbo1.bo.cnr.it
- Moriarty-Schieven G H**  
Joint Astronomy Ctr  
660 N A'ohoku Pl  
University Park  
Hilo HI 96720  
USA  
☎ 1 808 969 6531  
① 1 808 961 6516  
✉ gms@jach.hawaii.edu
- Morimoto Masaki**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 992 85 8960  
① 81 992 58 4866
- Morison Ian**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
① 44 147 757 1618
- Morita Kazuhiko**  
Physics Dpt  
Hokkaido Univ  
Kita 10 Nishi 8  
Sapporo 060  
Japan  
☎ 81 117 11 2111  
① 81 222 85 132
- Morita Koh-ichiro**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 63 4331  
① 81 267 63 4339  
✉ morita@nro.nao.ac.jp
- Moriyama Fumio**  
3 6 23 Nogami  
Takarazuka  
Hyogo 665  
Japan  
☎ 81 638 18 434
- Moross Carlo**  
OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 31 99255  
① 39 40 30 9418
- Moroz Vasilis I**  
Space Res Inst  
Acad Sciences  
Profsojuznaya Ul 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 3122  
① 7 095 310 7023

**Morozhenko A V**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
☎ 380 4426 62147

**Morozhenko N N**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
☎ 380 4426 62147

**Morras Ricardo**  
IAR  
CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 25 4909  
☎ 54 21 254 909  
✉ r.morras@irma.edu.ar

**Morrell Nidia**  
Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
☎ 54 21 211 761  
✉ nidia@fcaglp.edu.ar

**Morris Charles S**  
CALTECH/JPL  
MS 300 319  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 8074  
☎ 1 818 393 6030

**Morris David**  
IRAM  
300 r La Piscine  
F 38406 S Martin Heres Cdx  
France  
☎ 33 4 76 82 4930  
☎ 33 4 76 51 5938  
✉ morris@iram.fr

**Morris Mark Root**  
Dpt Astronomy/Phys  
UCLA  
Box 951562  
Los Angeles CA 90025 1562  
USA  
☎ 1 310 825 3320  
☎ 1 310 206 2096  
✉ morris@astro.ucla.edu

**Morris Michael C**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
☎ 44 12 23 374 700

**Morris Simon**  
NRCC/HIA  
DAO  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 363 0062  
☎ 1 250 363 0045  
✉ simon@dao.nrc.ca

**Morris Stephen C**  
NRCC/HIA  
DAO  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 363 0023  
☎ 1 250 363 0045  
✉ morris@dao.nrc.ca

**Morris Steven**  
Apt 2  
2860 W 235th St  
Torrance CA 90505  
USA  
☎ 1 213 530 8708

**Morrison David**  
NASA/ARC  
MS 200 7  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 604 5028  
☎ 1 415 604 6779  
✉ david\_morrison@qmgate.arc.nasa.gov

**Morrison Leslie V**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 1223 374 771  
☎ 44 12 23 374 700  
✉ lvm@ast.cam.ac.uk

**Morrison Nancy Dunlap**  
Dpt Phys/Astronomy  
Univ of Toledo  
2801 W Bancroft St  
Toledo OK 43606  
USA  
☎ 1 419 537 2659  
☎ 1 419 530 2723

**Morrison Philip**  
Physics Dpt  
MIT Rm 6 205  
Box 165  
Cambridge MA 02139 4307  
USA  
☎ 1 617 253 5086  
☎ 1 617 253 9798

**Morton Donald C**  
NRCC/HIA  
DAO  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 363 0040  
☎ 1 250 363 8483  
✉ don.morton@hia.nrc.ca

**Morton G A**  
1122 Skycrest Dr  
APT 6  
Walnut Creek CA 94595  
USA  
☎ 1 415 933 3802

**Moscardini Lauro**  
Dpt Astronomia  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3474  
☎ 39 49 875 9840  
✉ moscardini@astrp.pd.astro.it

**Moskalik Pawel**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
☎ 48 22 410 046

**Moss Christopher**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
☎ 44 12 23 337 523

**Moss David L**  
Mathematics Dpt  
Univ Manchester  
Oxford Rd  
Manchester M13 9PL  
UK  
☎ 44 161 275 4224  
☎ 44 161 275 4223

**Mosser Benoit**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8149  
☎ 33 1 44 32 8001  
✉ mosser@iap.fr

**Motta Santo**  
Dpt Matematica  
Citta Universitaria  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 0533\*668  
☎ 39 95 33 0592

**Motz Lloyd**  
Astronomy Dpt  
Columbia Univ  
538 W 120th St  
New York NY 10027  
USA  
☎ 1 212 280 3279  
☎ 1 212 316 9504

**Mouchet Martine**  
Observ Paris Meudon  
DAEC  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7522  
☎ 33 1 45 07 7469  
✉ mouchet@obsppm.fr

**Mould Jeremy R**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 490 266  
☎ 61 262 490 233  
✉ jrm@mso.anu.edu.au

**Mouradian Zadiq M**  
Observ Paris Meudon  
DASOP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7800  
☎ 33 1 45 07 7959

**Mourard Denis**  
OCA  
Observ Calern/Caussols  
2130 r Observatoire  
F 06460 S Vallier Thiey  
France  
☎ 33 4 93 40 5492  
☎ 33 4 93 40 4431  
✉ mourard@obs-nice.fr

**Mouschovias Telemachos Ch**  
Dpt Astron/Physics  
Univ of Illinois  
1011 W Springfield Av  
Urbana IL 61801  
USA  
☎ 1 217 333 3090  
☎ 1 217 244 7638

**Moussas Xenophon**  
Astrophysics Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 723 5122  
☎ 30 1 723 5122  
✉ moussas@grathon1.eurp

**Mozurkewich David**  
USNO  
AD5 Bg 22 Rm 220  
3450 Massachusetts Av NW  
Washington DC 20392 5100  
USA  
☎ 1 202 762 1520

**Muecket Jan P**  
Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 749 90  
☎ 49 331 749 9200  
✉ jpmuecket@aip.de

**Mueller Ewald**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 00  
☎ 49 893 299 3235

**Mueller Ivan I**  
Geodetic Sci/Surveying  
Ohio State Univ  
1958 Neil Av  
Columbus OH 43210 1247  
USA  
☎ 1 614 422 2269  
✉ mueller@mps.ohio-  
state.edu

**Mueller Volker**  
Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 749 90  
☎ 49 331 749 9200  
✉ vmueller@aip.de

**Muench Guido**  
Casa de Manana  
849 Coast Blvd  
La Jolla CA 92037  
USA  
☎ 1 619 454 2151  
☎ 1 619 454 7537

**Muerset Urs**  
Inst Astronomie  
ETH Zentrum  
CH 8092 Zuerich  
Switzerland  
☎ 41 1 632 3633  
☎ 41 1 632 1205  
✉ muerset@astro.phys.  
ethz.ch

**Mufson Stuart Lee**  
Astronomy Dpt  
Indiana Univ  
Swain W 319  
Bloomington IN 47405  
USA  
☎ 1 812 335 6927  
☎ 1 812 855 8725

**Muinonen Karri**  
Helsinki Univ  
Observ  
Box 14  
FIN 00014 Helsinki  
Finland  
☎ 358 19 12 2941  
☎ 358 19 12 2952  
✉ karri.Muinonen@  
Helsinki.fi

**Muinos Jose L**  
ROA  
Cecilio Pujazon 22-3 A  
E 11110 San Fernando  
Spain  
☎ 34 5 688 3548  
☎ 34 5 688 1732  
✉ ppmu@roa.cica.es

**Mukai Koji**  
NASA/GSFC  
Code 660 2  
Greenbelt MD 20771  
USA  
☎ 1 301 286 9447  
☎ 1 301 286 1684  
✉ mukai@lheaux.gsfc.  
nasa.gov

**Mukai Sonoyo**  
Dpt Industrial Eng  
Kinki Univ  
Kowakae 3 4 1  
Osaka 577  
Japan  
☎ 81 6 721 2332\*4007  
☎ 81 6 730 1320  
✉ mukai@im.kindai.  
ac.jp

**Mukai Tadashi**  
Dpt Earth/Planet Sci  
Kobe Univ  
Nada  
Kobe 657 8501  
Japan  
☎ 81 788 03 0574  
☎ 81 788 03 0490  
✉ mukai@kobe-u.ac.jp

**Mukherjee Krishna**  
Dpt Phys/Astronomy  
Slippery Rock Univ Pennsylvania  
327 Vincent Science  
Slippery Rock PA 16057  
USA  
☎ 1 414 738 2858

**Mulholland J Derral**  
Inst Azur Espace  
4 r de la Fontaine  
F 06620 Le Bar s Loup  
France  
☎ 33 4 93 42 9385  
☎ 33 4 93 42 9385  
✉ 100073.3636@  
compuserve.com

**Mullaly Richard F**  
31 Eden Av  
Turramurra NSW 2074  
Australia

**Mullan Dermott J**  
Bartol Res Inst  
Univ of Delaware  
Newark DE 19716  
USA  
☎ 1 302 831 2170  
☎ 1 302 831 1843  
✉ mullan@bartol.udel.edu

**Muller Andre B**  
Thopmaslaan 40  
NL 5631 GM Eindhoven  
Netherlands  
☎ 31 40 43 0322

**Muller Paul**  
3 r Chauvain  
F 06000 Nice  
France

**Muller Richard**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 62 95 0069  
☎ 33 5 61 27 3179

**Muller Richard A**  
Lawrence Berkeley Lab  
Univ of California  
Bg 50 Rm 238  
Berkeley CA 94720  
USA  
☎ 1 415 486 5235  
☎ 1 510 486 6738

**Muller C A**  
Odinskveld 8  
NL 7491 HD Delden  
Netherlands  
☎ 31 54 07 2428

**Mumford George S**  
Dpt Phys/Astronomy  
Tufts Univ  
Robinson Hall  
Medford MA 02155  
USA  
☎ 1 617 653 8923  
✉ gmumford@tufts.edu

**Mumma Michael Jon**  
NASA GSFC  
Code 693  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6994  
✉ mmumma@lepvox.  
dnet.nasa.gov

**Mundt Reinhard**  
MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 8227  
☎ 49 622 152 8246

**Mundy Lee G**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 454 6650  
☎ 1 301 314 9067

**Munoz-Tunon Casiana**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Munro Richard H**  
Ball Aerospace Systems  
Division  
Box 1062  
Boulder CO 80306  
USA  
☎ 1 303 939 4591  
☎ 1 303 939 4656  
✉ rmunro@ball.com

**Murakami Hiroshi**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911 \*2603  
☎ 81 427 59 4253  
✉ hmurakam@astro.isas.ac.jp

**Murakami Izumi**  
Ntl Inst Fusion Sci  
Data/Planning Ctr  
Oroshi-cho  
Toki 509 5292  
Japan  
☎ 81 572 58 2264  
☎ 81 572 58 2628  
✉ mizumi@nifs.ac.jp

**Murakami Toshio**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911  
☎ 81 427 59 4253  
✉ murakami@astro.isas.ac.jp

**Muratorio Gerard**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 95 04 4146  
☎ 33 4 91 62 1190  
✉ muratorio@observatoire.  
cnrs-mrs.fr

**Murdin Paul G**  
Part Phys/Astron Res co  
Polaris House  
North Star Av  
Swindon SN22 1SZ  
UK  
☎ 44 17 934 42075  
☎ 44 17 934 42036  
✉ murdin@pparc.ac.uk

**Murdoch Hugh S**  
Astrophysics Dpt  
Univ of Sydney  
Sydney NSW 2006  
Australia  
☎ 61 2 692 2222  
☎ 61 2 660 2903

**Murdoch Thomas Lee**  
General Res Corp  
Dpt Technology  
5 Cherry Hill  
Danvers MA 01923  
USA  
☎ 1 617 777 6323

**Mureddu Leonardo**  
Stazione Astronomica  
Univ d Cagliari  
Via Ospedale 72  
I 09100 Cagliari  
Italy  
☎ 39 70 66 3544  
☎ 39 70 65 7657

**Muriel Hernan**  
 Observ Astronomico  
 de Cordoba  
 Laprida 854  
 5000 Cordoba  
 Argentina  
 ☎ 54 51 214 059  
 ☎ 54 51 21 0613  
 ✉ muriel@uncob.edu

**Murphy Brian William**  
 Dpt Phys/Astronomy  
 Butler Univ  
 4600 Sunset Av  
 Indianapolis IN 46208  
 USA  
 ☎ 1 317 283 9282  
 ☎ 1 317 283 9950  
 ✉ murphy@astro.sun.tn.  
 cornell.edu

**Murphy Robert E**  
 NASA Headquarters  
 Code Y  
 600 Independence Av SW  
 Washington DC 20546  
 USA  
 ☎ 1 202 453 1720

**Murray C Andrew**  
 Derwent Cott 12 Derwent Rd  
 Meads  
 Eastbourne BN20 7PH  
 UK  
 ☎ 44 132 364 7600  
 ☎ 44 132 364 7600

**Murray Carl D**  
 Astronomy Unit  
 QMWC  
 Mile End Rd  
 London E1 4NS  
 UK  
 ☎ 44 171 975 5456  
 ☎ 44 181 981 9587  
 ✉ C.D.Murray@qmw.ac.uk

**Murray John B**  
 Dpt Earth Sci  
 The Open University  
 Walton Hall  
 Milton Keynes MK7 6AA  
 UK  
 ☎ 44 190 865 2118  
 ☎ 44 190 865 5151  
 ✉ j.b.murray@open.  
 ac.uk

**Murray Stephen David**  
 LLNL  
 L 58  
 Box 808  
 Livermore CA 94551 9900  
 USA  
 ☎ 1 415 423 9382  
 ☎ 1 415 422 5102  
 ✉ murray@astron.  
 berkeley.edu

**Murray Stephen S**  
 Cfa  
 HCO/SAO  
 60 Garden St  
 Cambridge MA 02138 1516  
 USA  
 ☎ 1 617 495 7205  
 ☎ 1 617 495 7356

**Murtagh Fiona**  
 Observ Strasbourg  
 11 r Universite  
 F 67000 Strasbourg  
 France  
 ☎ 33 3 88 15 0710  
 ☎ 33 3 88 15 0740  
 ✉ fmurtagh@cdsxb6.u-  
 strasbg.fr

**Murthy Jayant**  
 Dpt Phys/Astronomy  
 JHU  
 Charles/34th St  
 Baltimore MD 21218  
 USA  
 ☎ 1 301 516 7027  
 ☎ 1 301 516 4109  
 ✉ murthy@pha.jhu.edu

**Musatenko Sergij**  
 Astronomical Observ  
 Observatorna st 3  
 Kyiv 254 053  
 Ukraine  
 ☎ 380 4426 64457  
 ☎ 380 4426 64507  
 ✉ musat@aoku.freenet.  
 kiev.ua

**Musen Peter**  
 8804 Orbit Lane  
 Lanham MD 20801  
 USA  
 ☎ 1 301 552 3848

**Mushotzky Richard**  
 NASA/GSFC  
 Code 662  
 Greenbelt MD 20771  
 USA  
 ☎ 1 301 286 7579  
 ☎ 1 301 286 1684  
 ✉ mushotzky@lheaux.  
 gsfc.nasa.gov

**Musielak Zdzislaw E**  
 NASA/MSFC  
 Space Science Lab  
 Code ES 52  
 Huntsville AL 35812  
 USA  
 ☎ 1 205 544 7619  
 ☎ 1 205 547 7754

**Musman Steven**  
 NOAA  
 Gioscience Lab  
 1305 East West Highway  
 Silver Spring MD 20910  
 USA

**Mutel Robert Lucien**  
 Dpt Phys/Astronomy  
 Univ of Iowa  
 605 Brookland Park Dr  
 Iowa City IA 52242 1479  
 USA  
 ☎ 1 319 335 1950  
 ☎ 1 319 335 1753

**Mutschleiner J Paul**  
 Astronomy Dpt  
 Indiana Univ  
 Swain W 319  
 Bloomington IN 47405  
 USA  
 ☎ 1 812 855 6911  
 ☎ 1 812 855 8725

**Muxlow Thomas**  
 NRAL  
 Univ Manchester  
 Jodrell Bank  
 Macclesfield SK11 9DL  
 UK  
 ☎ 44 14 777 1321  
 ☎ 44 147 757 1618

**Muzzio Juan C**  
 Observ Astronomico  
 Paseo d Bosque S/n  
 1900 La Plata (Bs As)  
 Argentina  
 ☎ 54 21 217 308  
 ☎ 54 21 211 761/25 5004  
 ✉ jcmuzzio@fcaglp.fcaglp.  
 unlp.edu.ar

**Myachin Vladimir F**  
 Inst Theoret Astron  
 Acad Sciences  
 N Kutuzova 10  
 192187 St Petersburg  
 Russia  
 ☎ 7 812 278 8898  
 ☎ 7 812 272 7968

**Myers Phillip C**  
 Cfa  
 HCO/SAO MS 42  
 60 Garden St  
 Cambridge MA 02138 1516  
 USA  
 ☎ 1 617 495 7295  
 ☎ 1 617 495 7345  
 ✉ myers@cfa.harvard.edu

## N

**Nacozy Paul E**  
Federal Space Systems  
Box 26712  
Austin TX 78755  
USA  
☎ 1 512 467 6659

**Nadal Robert**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
① 33 5 61 27 3179  
✉ nadal@astro.obs-mip.fr

**Nadeau Daniel**  
Dpt d Physique  
Universite Montreal  
CP 6128 Succ A  
Montreal QC H3C 3J7  
Canada  
☎ 1 514 343 6676  
① 1 514 343 2071

**Nadyozhin Dmitriy K**  
Inst Theor/Exper Phys  
Cheremushkinskaya Ul 25  
117259 Moscow  
Russia  
☎ 7 095 123 0292

**Nagase Fumiaki**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911  
① 81 427 59 4253  
✉ nagase@astro.isas.ac.jp

**Nagata Tetsuya**  
Physics Dpt  
Nagoya Univ  
Furo-Cho Chikusa-Ku  
Nagoya 464 81  
Japan  
☎ 81 527 89 2926  
① 81 527 89 2922  
✉ nagata@zlab.phys.nagoya-u.ac.jp

**Nagendra K N**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 0672  
① 91 80 553 4043  
✉ knn@iiap.ernet.in

**Nagirner Dmitriy I**  
Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
198904 St Petersburg  
Russia  
☎ 7 812 257 9489  
① 7 812 428 4259

**Nagnibeda Valery G**  
Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
198904 St Petersburg  
Russia  
☎ 7 812 257 9491  
① 7 812 428 4259

**Nagovitsyn Yuri A**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 1997  
① 7 812 315 1701  
✉ sol@gaoran.spb.su

**Nahon Fernand**  
25 Av de L'Europe  
F 92310 Sevres  
France  
☎ 33 1 45 34 1805

**Naidenov Victor O**  
Ioffe Physical Tech Inst  
Acad Sciences  
Polytechnicheskaya Ul 26  
194021 St Petersburg  
Russia  
☎ 7 812 247 9167  
① 7 812 247 1017

**Nair Sunita**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
① 44 147 757 1618  
✉ sunita@jb.man.ac.uk

**Nakada Yoshikazu**  
Kiso Observ  
Inst of Astronomy  
Mitake Kiso  
Nagano 397 01  
Japan  
☎ 81 264 52 3360  
① 81 264 52 3361  
✉ lnakada@c1.mtk.nao.ac.jp

**Nakagawa Naoya**  
Univ Electro-communicatio  
Chofu-shi  
Tokyo 182  
Japan  
☎ 81 424 83 2161

**Nakagawa Takao**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911  
① 81 427 59 4253  
✉ nakagawa@astro.isas.ac.jp

**Nakagawa Yoshinari**  
Chiba Inst Technology  
Narashino 275  
Japan  
☎ 81 474 75 2111

**Nakagawa Yoshitsugu**  
Dpt Earth/Planet Sci  
Kobe Univ  
Nada  
Kobe 657 8501  
Japan  
☎ 81 788 03 0563  
① 81 788 82 1549  
✉ yoshi@saturu.phys.kobe-u.ac.jp

**Nakai Naomasa**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 63 4367  
① 81 267 63 4387  
✉ nronaka@jpnro

**Nakai Yoshihiro**  
Kwasan/Hida Obs  
Kyoto Univ  
Yamashina  
Kyoto 607  
Japan  
☎ 81 755 81 1235  
① 81 755 93 9617

**Nakajima Hiroshi**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 98 2034  
① 81 267 98 2884

**Nakajima Koichi**  
Lab of Astron/Geophys  
Hitotsubashi Univ  
Naka 2-1 Kunitachi  
Tokyo 186  
Japan  
☎ 81 435 72 1101  
✉ nakajmki@cc.nao.ac.jp

**Nakajima Tadashi**  
NAOJ  
Osawa 2- 21-2  
Mitaka 181 0015  
Japan  
☎ 81 422 34 3643  
① 81 422 34 3776  
✉ tadashi@dodgers.mtk.nao.ac.jp

**Nakamoto Taishi**  
Ctr for Comput Physics  
Univ of Tsukuba  
Tennoudai 1 1 1  
Tsukuba 305 Ibaraki  
Japan  
☎ 81 298 53 6490  
① 81 298 53 6406  
✉ nakamoto@rccp.tsukuba.ac.jp

**Nakamura Akiko M**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911  
① 81 427 59 4237  
✉ akiko@planeta.sci.isas.ac.jp

**Nakamura Takashi**  
Physics Dpt  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 53 7008  
① 81 757 753 7010

**Nakamura Tsuko**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 381 22 111  
① 81 422 34 3698  
✉ nakamura@c1.mtk.nao.ac.jp



**Nakamura Yasuhisa**  
Dpt Sci Education  
Fukushima Univ  
Matsukawa Machi  
Fukushima 960 12  
Japan  
☎ 81 245 48 8200  
☎ 81 245 48 3181  
✉ nakamura@educ.  
fukushima-u.ac.jp

**Nakano Makoto**  
Fac of Education  
Oita Univ  
700 Dannoharu  
Oita 870 11  
Japan  
☎ 81 975 69 3311\*360  
☎ 81 975 68 8319  
✉ mnakano@cc.oita-  
u.ac.jp

**Nakano Suiuchi**  
3 19 1 Chomo  
Takenokuchi Sumoto  
Hyogo Ken 656  
Japan

**Nakano Tâkenori**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 98 4361  
☎ 81 267 98 2884

**Nakariakov Valery**  
School Maths/Comp Sci  
Univ of St Andrews  
North Haugh  
St Andrews Fife KY16 9SS  
UK  
☎ 44 1334 76161  
☎ 44 1334 74487  
✉ valery@dcs.st-  
andrews.ac.uk

**Nakayama Kunji**  
Fac of Education  
Kochi Univ  
Kochi 780  
Japan  
☎ 81 888 44 8417  
☎ 81 888 44 8453  
✉ knakayam@cc.kochi-  
u.ac.jp

**Nakayama Shigeru**  
3 7 11 Chuou  
Nakano Ku  
Tokyo 164  
Japan

**Nakazawa Kiyoshi**  
Tokyo Inst of Tech  
Ohokayama 2-12-1  
Meguroku Tokyo 152  
Japan

**Namba Osamu**  
Marco Pololaan 319  
NL 3526 GE Utrecht  
Netherlands

**Namoodiri P M S**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585  
☎ 91 80 553 4043  
✉ pmsn@iiaap.ernet.in

**Nambu Yasusada**  
Physics Dpt  
Nagoya Univ  
Chikusa  
Nagoya 464 01  
Japan  
☎ 81 527 89 2913  
☎ 81 527 89 2916  
✉ nambu@allegro.phys.  
nagoya-u.ac.jp

**Nan Rendong**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
☎ 86 1 256 10855

**Nandy Kashinath**  
Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 667 3321  
☎ 44 131 662 1668

**Napier William M**  
Armagh Observ  
College Hill  
Armagh BT61 9DG  
UK  
☎ 44 18 61 522 928  
☎ 44 18 61 527 174  
✉ wmn@star.arm.ac.uk

**Napiwotzki Ralf**  
Dr Remeis Sternwarte  
Univ Erlangen-Nuernberg  
Sternwartstr 7  
D 96049 Bamberg  
Germany  
☎ 49 951 952 2217  
☎ 49 951 952 2222  
✉ napiwotzki@sternwarte.  
uni-erlangen.de

**Naqvi S F H**  
Physics Dpt  
Univ of Regina  
Regina  
Saskatchewan S4S 0A2  
Canada  
☎ 1 306 585 4258  
☎ 1 306 585 4894  
✉ naqvi@max.cc.  
uregina.ca

**Narain Udit**  
Astrophys Res Gp  
Meerut College  
Meerut 250 001  
India

**Naranan S**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 219 111  
☎ 91 22 215 2110

**Narasimha Delampady**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 495 2311  
☎ 91 22 495 2110

**Narayan Ramesh**  
Cfa  
HCO/SAO MS 51  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7000  
☎ 1 617 495 7356

**Narayana J V**  
Regional Meteorological  
Office  
4 College Rd  
Madras 600 006  
India  
**Narita Shinji**  
Doshisha Univ  
Kyoto 602  
Japan

**Narlikar Jayant V**  
IUCAA  
PO Box 4  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 351 414/5  
☎ 91 212 350 760  
✉ jvn@iucaa.ernet.in

**Natali Giuliano**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
☎ 39 6 2066 0188  
✉ somp@saturn.rm.  
fra.cnr.it

**Nath Mishra Kameshwar**  
Bhilai Inst of Tech  
Durg 491 001 MP  
India  
☎ 91 788 323 997  
☎ 91 788 358 361

**Nather R Edward**  
Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 4461  
☎ 1 512 471 6016

**Natta Antonella**  
Dpt Astronomia  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52239  
☎ 39 55 22 0039

**Naumov Vitalij A**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
☎ 7 812 315 1701

**Navarro Julio Fernando**  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 5950  
☎ 1 520 621 1532  
✉ jnavarro@as.arizona.edu

**Nawar Samir**  
NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
☎ 20 62 21 405 297  
✉ altadross@fruc.eun.eg

**Neckel Heinz**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4130  
☎ 49 407 252 4198

**Neckel Th**  
MPI Astronomie  
Koenigsstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 8288  
☎ 49 622 152 8246

**Nee Tsu-Wei**  
Physics Dpt  
Ntl Central Univ  
Chung Li Taiwan 32054  
China R  
☎ 886 3 462 2302  
☎ 886 3 426 2304

**Neeman Yuval**  
Dpt Phys/Astronomy  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 640 9279  
☎ 972 3 640 8179

**Nefedeva Antonina I**  
Engelhardt Astronom  
Observ  
Observatoria Station  
422526 Kazan  
Russia  
☎ 7 32 4827

**Neff James Edward**  
Dpt Phys/Astronomy  
Coll of Charleston  
Charleston SC 29424  
USA  
☎ 1 803 953 5593  
☎ 1 803 953 4824  
✉ neffj@cofc.edu

**Neff John S**  
Dpt Phys/Astronomy  
Univ of Iowa  
605 Brookland Park Dr  
Iowa City IA 52242 1479  
USA  
☎ 1 319 353 4340  
☎ 1 319 335 1753

**Neff Susan Gale**  
NASA GSFC  
Code 684 1  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5137  
☎ 1 301 286 8709  
✉ neff@coblir.gsfc.  
nasa.gov

**Neidig Donald F**  
AFGL  
NSO  
Sunspot NM 88349  
USA  
☎ 1 505 434 7000  
☎ 1 504 434 7029

**Neizvestny Sergei**  
SAO  
Acad Sciences  
Nizhnij Arkhiz  
357147 Karachaevo  
Russia  
☎ 7 878 784 6278  
☎ 7 96 908 2861  
✉ nws@sao.ru

**Nelson Alistair H**  
Physics Dpt  
Univ Wales College  
Box 913  
Cardiff CF1 3TH  
UK  
☎ 44 12 22 874 785  
☎ 44 12 22 371 921  
✉ nelsona@uk.  
ac.cardiff

**Nelson Burt**  
Astronomy Dpt  
San Diego State Univ  
San Diego CA 92182  
USA  
☎ 1 619 265 6175  
☎ 1 619 594 1413  
✉ nelson@minaka.  
sdsu.edu

**Nelson George Driver**  
Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA  
☎ 1 425 543 6616  
☎ 1 425 685 3218  
✉ pnelson@cosmos.astro.  
washinton

**Nelson Graham John**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0310  
✉ gnelson@atnf.  
csiro.au

**Nelson Jerry E**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 459 2513  
☎ 1 831 426 3115

**Nelson Robert M**  
CALTECH/JPL  
MS 183 501  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 213 354 6893  
☎ 1 818 393 6030

**Nemec James**  
Ind Statistics &  
Research Corp  
Box 496  
Brentwood Bay BC V8M 1R3  
Canada  
✉ nemec@dao.nrc.ca

**Nemiroff Robert**  
Michigan Technical Univ  
Physics Dpt  
1400 Townsend Dr  
Houghton MI 49931  
USA  
☎ 1 906 487 2198  
✉ nemiroff@mtu.edu

**Nesci Roberto**  
Istt Astronomico  
Univ d Roma La Sapienza  
Via G M Lancisi 29  
I 00161 Roma  
Italy  
☎ 39 6 44 03734  
☎ 39 6 44 03673  
✉ nesci@astrm2.rm.  
astro.it

**Nesis Anastasios**  
Kiepenheuer Inst  
Sonnenphysik  
Schoeneckstr 6  
D 79104 Freiburg Breisgau  
Germany  
☎ 49 761 382 067  
☎ 49 761 32280

**Ness Norman F**  
Bartol Res Inst  
Univ of Delaware  
Newark DE 19716  
USA  
☎ 1 302 451 8116  
☎ 1 302 510 6665

**Nesterov Nikolai S**  
RT 22  
Katsiveli  
334247 Crimea  
Ukraine  
☎ 380 6547 27952  
☎ 380 6557 27961/6554 40704  
✉ nesterov@rt22.  
crimea.ua

**Netzer Hagai**  
Dpt Phys/Astronomy  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 545 0208  
☎ 972 3 640 8179

**Neugebauer Gerry**  
CALTECH  
MS 320 47  
Downes Lab of Physics  
Pasadena CA 91125  
USA  
☎ 1 818 356 4284  
☎ 1 818 796 8806

**Neukirch Thomas**  
Mathematics Dpt  
Univ of St Andrews  
St Andrews North Haugh  
Fife KY16 9SS  
UK  
☎ 44 13 34 7661  
☎ 44 13 347 4487  
✉ thomas@dcs.st-  
andrews.ac.uk

**Neukum G**  
DLR  
Inst f Planetenerkundg  
Rudower Chaussee 5  
D 12489 Berlin  
Germany  
☎ 49 306 954 5300  
☎ 49 306 954 5303

**Neupert Werner M**  
817 E Moorhead Circle  
Boulder CO 80303  
USA  
☎ 1 301 286 8169

**Neuzil Ludek**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7331  
☎ 420 2 88 1611  
✉ astsun@csearn

**Neves de Araujo Jose Carlos**  
IAG/USP  
Miguel Stefano 4200  
04301 904 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599\*235  
☎ 55 11 577 8599  
✉ jcarlos@andromeda.  
iagusp.usp.br

**New Roger**  
Sheffield Hallam Univ  
City Campus  
Pond St  
Sheffield S1 1WB  
UK  
☎ 44 114 253 3056  
☎ 44 114 253 3085  
✉ r.new@shu.ac.uk

**Newburn Ray L**  
CALTECH/JPL  
MS 169 237  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 2319  
☎ 1 818 393 4619  
✉ ray@sch5.jpl.nasa.gov

**Newell Edward B**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 881 111  
☎ 61 262 490 233

**Newhall X X**  
25913 Carrillo Dr  
Valencia CA 91355 2147  
USA  
☎ 1 805 259 9999  
☎ 1 805 254 4444  
✉ xxn@logos.jpl.nasa.gov

**Newman Michael John**  
LANL  
MS B220 X 2  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 7698  
☎ 1 505 665 4055

**Newsom Gerald H**  
Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 422 7082  
☎ 1 614 292 2928  
✉ gnewsom@astronomy.ohio-  
state.edu

**Newton Gavin**  
Dpt Phys/Astronomy  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855\*4196  
☎ 44 1413 349 029

**Newton Robert R**  
APL  
JHU  
Johns Hopkins Rd  
Laurel MD 20723 6099  
USA  
☎ 1 301 953 7100  
☎ 1 301 953 1093

**Nezlin Mikhail**  
RRC Kurchatov Inst  
Kurchatov Sq 1  
123182 Moscow  
Russia  
☎ 7 095 196 7976  
☎ 7 095 943 0073  
✉ nezlin@wowa.net.  
kiae.su

**Ng Kin-Wang**  
Inst of Physics  
Academia Sinica  
Taipei 11529  
China R  
☎ 886 2 782 3075  
☎ 886 2 783 4187  
✉ phkwng@twnas886

**Nguyen Mau Tung**  
Committee for Space Res  
201 K16 Bach Khoa  
Box 429 Bo Ho  
Ha Noi 10 000  
Vietnam  
☎ 84 422 58 333  
☎ 84 42 524 83

**Nguyen-Quang Rieu**  
Observ Paris  
DEMIRM  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2103  
☎ 33 1 40 51 2002

**Nha Il-Seong**  
Yonsei Univ Obs  
134 Sinchon-dong  
Seodaemun ku  
Seoul 120 449  
Korea RP  
☎ 82 392 20 131  
☎ 82 236 50 937

**Niarchos Panayiotis**  
Astronomy Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414  
☎ 30 1 723 5122

**Niazzy Adnan Mohammad**  
KACST  
Box 6086  
Riyadh 11442  
Saudi Arabia  
☎ 966 1 488 3751  
☎ 966 1 488 3756

**Nicastro Luciano**  
TeSRE  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 8667  
☎ 39 51 639 8723  
✉ nicastro@tesre.bo.cnr.it

**Nicholls Jennifer**  
School of Physics  
UNSW  
RCFTA  
Sydney NSW 2006  
Australia  
☎ 61 2 9351 2621  
☎ 61 2 660 2903  
✉ jan@physics.su.  
oz.au

**Nicholls Ralph W**  
Dpt Phys/Astronomy  
York Univ  
4700 Keele St  
North York ON M3J 1P3  
Canada  
☎ 1 416 736 5247  
☎ 1 416 736 5626  
✉ fs300003@yusol

**Nichols-Böhlin Joy**  
NASA GSFC  
Code 684 9  
Greenbelt MD 20771  
USA  
☎ 1 301 794 1410  
☎ 1 301 459 4482  
✉ nichols@lue.gsfc.  
nasa.gov

**Nicolaidis Efthymios**  
NRF  
48 Vas Constantinou Av  
GR 116 35 Athens  
Greece  
☎ 30 1 721 0554  
☎ 30 1 724 6212  
✉ efnicol@eie.gr

**Nicolas Kenneth Robert**  
NRL  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 2517

**Nicolet Bernard**  
Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauverny  
Switzerland  
☎ 41 22 755 2611  
☎ 41 22 755 3983  
✉ bernard.nicolet@obs.  
unige.ch

**Nicoll Jeffrey Fancher**  
Inst Defense Analyses  
1801 N Beauregard St  
Alexandria VA 22311  
USA  
☎ 1 703 578 2987  
☎ 1 703 578 2877  
✉ jnicoll@ida.org

**Nicollier Claude**  
NASA/JSC  
Code CB  
Houston TX 77058  
USA  
☎ 1 713 244 8888  
☎ 1 713 244 8873  
✉ claude.nicollier1@jsc.  
nasa.gov

**Nicolov Nikolai S**  
Astronomy Dpt  
Univ of Sofia  
Anton Ivanov St 5  
BG 1126 Sofia  
Bulgaria  
☎ 359 2 68 8176  
☎ 359 2 68 9085

**Nicolson George D**  
HartRAO  
FRD  
PO Box 443  
1740 Krugersdorp  
South Africa  
☎ 27 11 642 4692  
☎ 27 11 642 2446

**Nicolson Iain**  
Univ of Hertfordshire  
Bayfordbury  
Lower Hatfield Rd  
Hertford Herts SG13 8LD  
UK  
☎ 44 170 728 5560  
☎ 44 170 728 5562

**Niedner Malcolm B**  
NASA GSFC  
Code 680  
Greenbelt MD 20771  
USA  
☎ 1 301 286 2000

**Niedzielski Andrzej**  
Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland  
☎ 48 56 26 018  
☎ 48 56 24 602  
✉ aniedzi@astri.uni.  
torun.pl

**Niell Arthur E**  
Haystack Observ  
Westford MA 01886  
USA  
☎ 1 617 692 4764  
☎ 1 617 981 0590

**Niemela Virpi S**  
Observ Astronomico  
Paseo d Bosque s/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
☎ 54 21 211 761  
✉ virpi@colihue.fcaglp.  
uimp.edu.ar

**Niemi Aimo**  
Turku Univ  
Tuorla Observ  
Vaaisaelaentie 20  
FIN 21500 Piikkio  
Finland  
☎ 358 2 274 4268  
☎ 358 2 243 3767

**Nieuwenhuijzen Hans**  
Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5237  
☎ 31 30 253 1601

**Niimi Yukio**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
☎ 81 422 34 3793  
✉ time@spacetime.mtk.nao.jp

**Nikitin Alexsey A**  
Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
198904 St Petersburg  
Russia  
☎ 7 812 293 2262  
☎ 7 812 428 4259

**Nikoghossian Arthur G**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640

**Niklof Ivan**  
Perth Observ  
Walnut Rd  
Bickley WA 6076  
Australia  
☎ 61 8 92 93 1865  
☎ 61 8 92 93 8138

**Nikolov Andrej**  
Astronomy Dpt  
Univ of Sofia  
Anton Ivanov St 5  
BG 1126 Sofia  
Bulgaria  
☎ 359 2 68 8176  
☎ 359 2 68 9085

**Nilson Peter**  
Astronomical Observ  
Box 515  
S 751 20 Uppsala  
Sweden  
☎ 46 18 53 0265  
☎ 46 18 52 7583

**Nilsson Carl**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7461  
☎ 1 617 495 7356

**Ninkov Zoran**  
Ctr for Imaging Sci  
Rochester Inst of  
Technology  
Rochester NY 14623 5604  
USA  
☎ 1 716 475 7195  
☎ 1 716 475 5988  
✉ zxnpci@borg.cis.rit.edu

**Ninkovic Slobodan**  
Astronomical Observ  
Volgina 7  
11050 Beograd  
Yugoslavia FR  
☎ 381 1 419 357/421 875  
☎ 381 1 419 553

**Nishi Keizo**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
☎ 81 422 34 3793

**Nishi Ryoichi**  
Physics Dpt  
Kyoto Univ  
Sakyo-Ku  
Kyoto 606 01  
Japan  
☎ 81 757 53 3880  
☎ 81 75 753 3886  
✉ nishi@tap.scphys.  
kyoto-u.ac.jp

**Nishida Minoru**  
Physics Dpt  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 53 7008  
☎ 81 75 753 7010

**Nishida Mitsugu**  
Dpt Literature  
Kobe Women-s Univ  
Suma Ku  
Kobe 654  
Japan  
☎ 81 787 31 4416

**Nishikawa Jun**  
Ntl Astronomical Obs  
Osawa  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3643  
☎ 81 422 34 3608  
✉ nishikawa@optik.  
mtk.nao.ac.jp

**Nishimura Jun**  
Inst Space/Aeron Sci  
Univ of Tokyo  
Meguro Ku  
Tokyo 153  
Japan  
☎ 81 346 71 111\*388  
☎ 81 334 85 2904

**Nishimura Masaki**  
Physics Dpt  
Hokkaido Univ  
Kita 10 Nishi 8  
Sapporo 060  
Japan  
☎ 81 117 11 2111  
☎ 81 222 85 132

**Nishimura Shiro Emer**  
Ntl Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3761  
☎ 81 422 34 3793  
✉ bnishim@e1.mtk.nao.ac.jp

**Nishimura Tetsuo**  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 2054  
☎ 1 520 621 1532

**Nishio Masanori**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 63 4381  
☎ 81 267 98 2506

**Nissen Poul E**  
Inst Phys/Astronomy  
Univ of Aarhus  
Ny Munkegade  
DK 8000 Aarhus C  
Denmark  
☎ 45 86 12 8899  
☎ 45 86 12 0740  
✉ pen@obs.aau.dk

**Nittmann Johann**  
Digital Equipment Cbt  
Favoritenstr 7  
A 1040 Wien  
Austria  
☎ 43 1 505 48 7012  
☎ 43 1 505 48 7022  
✉ johannnittmann@cbt.  
mts.dec.com

**Nityananda R**  
RRI  
Sadashivanagar  
CV Raman Av  
Bangalore 560 080  
India  
☎ 91 80 336 0122  
☎ 91 80 334 0492  
✉ najaram@rri.  
ernet.in

**Nobili Anna M**  
Dpt Matematica  
Univ d Pisa  
Via Buonarroti 2  
I 56127 Pisa  
Italy

**Nobili L**  
Dpt Fisica G Galilei  
Univ d Padova  
Via Marzolo 8  
I 35131 Padova  
Italy  
☎ 39 49 84 4205\*111  
☎ 39 49 84 4245

**Nocera Luigi**  
Ist Atomica/Molecolare  
Univ d Pisa  
Via Giardino 7  
I 56127 Pisa  
Italy  
☎ 39 50 501 384  
☎ 39 50 251 75  
✉ bistab@icnucevm

**Noci Giancarlo**  
Dpt Astronomia  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
☎ 39 55 22 0039

**Noel Fernando**  
Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101  
☎ 56 2 229 4002

**Noels Arlette**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
☎ 32 4 254 7511  
✉ noels@astro.ulg.  
ac.be

**Noens Jacques-Clair**  
OMP  
9 r Pont de La mouette  
F 65200 Bagneres Bigorre  
France  
☎ 33 5 62 95 1969  
☎ 33 5 62 95 1070

**Noerdlinger Peter D**  
NASA/GSFC  
Code 902  
Greenbelt MD 20771  
USA  
☎ 1 301 614 5475  
☎ 1 301 614 5268  
✉ pnoerdli@eos.  
hitc.com

**Noguchi Kunio**  
Astrophysics Dpt  
Nagoyo Univ  
Furocho Chikusa Ku  
Nagoyo 464 01  
Japan  
☎ 81 527 89 2926  
☎ 81 527 89 2922

**Noguchi Masafumi**  
Astron Institute  
Tohoku Univ  
Aoba Ku  
Sendai 980  
Japan  
☎ 81 206 543 2888

**Noh Hyerim**  
Senior Res Scientist  
Korea Astronomy Obs  
San 36 1 Hwaam-dong  
Yusung gu Taejeon  
Korea RP  
☎ 82 428 65 3332  
☎ 82 563 36 9450  
✉ hr@hanul.issa.re.kr

**Noll Keith Stephen**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 5080  
☎ 1 301 338 4767  
✉ noll@snoqualm.stsci.edu

**Nollez Gerard**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8142  
☎ 33 1 44 32 8001

**Nomoto Ken'ichi**  
Astronomy Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 358 00 6882  
☎ 81 338 13 9439  
✉ nomoto@astron.s.u.  
tokyo.ac.jp

**Noonan Thomas W**  
2133 Lynbridge Dr  
Charlotte NC 28270  
USA

**Norci Laura**  
Dunsink Observ  
DIAS  
Castleknock  
Dublin 15  
Ireland  
☎ 353 1 38 7911  
☎ 353 1 38 7090  
✉ ln@dunsink.dias.ie

**Nordh Lennart H**  
Stockholm Observ  
Royal Swedisch Acad Sciences  
S 133 36 Saltsjoebaden  
Sweden  
☎ 46 8 717 0195  
☎ 46 8 717 4719  
✉ nordh@astro.su.se

**Nordlund Aake**  
Astronomical Observ, NBIfAFG  
Copenhagen Univ  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5968  
☎ 45 35 32 5989

**Nordstroem Birgitta**  
Astronomical Observ, NBIfAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5950  
☎ 45 35 32 5989  
✉ birgitta@astro.ku.dk

**Norgaard-Nielsen Hans U**  
Danish Space Res Inst  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark

☎ 45 35 32 5728  
☎ 45 35 36 2475

**Noriega-Crespo Alberto**

Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA

☎ 1 425 685 2155  
☎ 1 425 685 0403  
✉ aipsac@phast.phys.washington.edu

**Norman Colin A**

CAS  
JHU  
Charles/34th St  
Baltimore MD 21218 2695  
USA

☎ 1 301 516 7329  
☎ 1 301 338 5090  
✉ norman@stsci.edu

**Norris John**

MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia

☎ 61 262 881 111  
☎ 61 262 490 233  
✉ jen@mso.anu.edu.au

**Norris Raymond Paul**

CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia

☎ 61 2 9372 4416  
☎ 61 2 9372 4400  
✉ rnorris@rp.csiro.au

**North John David**

Filosofisch Inst  
Rijksuniversiteit  
A Weg 30  
NL 9718 CW Groningen  
Netherlands

☎ 31 59 07 1846  
☎ 31 50 363 6160

**North Pierre**

Institut Astronomie  
Univ Lausanne  
CH 1290 Chavannes d Bois  
Switzerland

☎ 41 22 755 2611  
☎ 41 22 755 3983  
✉ Pierre.north@obs.unige.ch

**Noskov Boris N**

SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia

☎ 7 095 939 2858  
☎ 7 095 939 0126

**Notni P**

Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany

☎ 49 331 749 90  
✉ pnotni@aip.de

**Nottale Laurent**

Observ Paris Meudon  
DAF  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France

☎ 33 1 45 07 7403  
☎ 33 1 45 07 7469

**Noumaru Junichi**

Subaru Telescope  
NAOJ  
650 N A'Ohoku Place  
Hilo HI 96720  
USA

☎ 1 808 934 5088  
☎ 1 808 934 5984  
✉ noumaru@naoj.org

**Novello Mario**

Ctr Bras Pesquisas Fisic  
Rua Dr Xavier Sigaud  
150 Urca  
22290 Rio de Janeiro RJ  
Brazil

☎ 55 21 541 0337

**Novick Robert**

Physics Dpt  
Columbia Univ  
538 W 120th St  
New York NY 10027  
USA

☎ 1 212 280 3293  
✉ rn@cuphy3.phys.columbia.edu

**Novikov Igor D**

Theoretical Astrophysics Centre  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark

☎ 45 35 32 5901  
☎ 45 35 32 5910  
✉ novikov@nordita.dk

**Novikov Sergej B**

SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia

☎ 7 095 939 2858  
☎ 7 095 939 0126

**Novoselov Victor S**

Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
198904 St Petersburg  
Russia

☎ 7 812 257 9491  
☎ 7 812 428 4259

**Novosyadlyj Bohdan**

Astronomical Observ  
Lviv State Univ  
Kyryla i Mephodia st 8  
290005 Lviv  
Ukraine

☎ 380 3227 29088  
☎ 380 3227 28088  
✉ novos@astro.lviv.ua

**Novotny Jan**

Dpt General Physics  
Masaryk Univ  
Kotlarska 2  
CZ 611 37 Brno  
Czech R  
☎ 420 5 4112 9466  
☎ 420 5 4121 1214  
✉ novotny@elanor.sci.muni.cs

**Noyes Robert W**

Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA

☎ 1 617 495 7424  
☎ 1 617 495 7356  
✉ noyes@cfa.harvard.edu

**Nugis Tiit**

Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia

☎ 372 7 410 265  
☎ 372 7 410 205

**Nulsen Paul**

Physics Dpt  
Univ of Wollongong  
Northfields Av  
Wollongong NSW 2522  
Australia

☎ 61 42 21 3517  
☎ 61 42 21 3151  
✉ p.nulsen@now.edu.au

**Nunes Rogerio S de souza**

Gr Matem Aplicada  
Univ Porto  
Rua Das Taipas 135  
P 4000 Porto  
Portugal

☎ 351 3 803 13/769  
☎ 351 2 782 0404

**Nunez Jorge**

Dpt Astronom Meteo  
Univ Barcelona  
Avd Diagonal 647  
E 08028 Barcelona  
Spain

☎ 34 3 247 5736  
☎ 34 3 402 1133  
✉ jorge@fajnm1.am.ub.es

**Nunez Josue Arturo**

Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina

☎ 54 21 217 308  
☎ 54 21 258 985  
✉ jan@fcajlp.edu.ar

**Nuritdinov Salakhutdin**

Astronomical Institute  
Uzbek Acad Sci  
Astronomicheskaya Ul 33  
700052 Tashkent  
Uzbekistan

☎ 7 3712 35 8102  
☎ 7 37 11 44 7728  
✉ snur@tsu.silk.org

**Nussbaumer Harry**

Inst Astronomie  
ETH Zentrum  
CH 8092 Zuerich  
Switzerland  
☎ 41 1 632 3631  
☎ 41 1 632 1205

**Nuth Joseph A III**

NASA GSFC  
Code 691  
Greenbelt MD 20771  
USA  
☎ 1 301 286 9467

**Nyman Lars-Aake**

Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5500  
☎ 46 31 772 5550



**O'Brien Paul Thomas**  
Dpt Phys/X-Ray Astron  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
☎ 44 116 250 182  
✉ pto@star.le.ac.uk

**O'Brien Tim**  
Astrophysics Group  
Liverpool J M Univ  
Byrom St  
Liverpool L3 3AF  
UK  
☎ 44 151 231 2337  
☎ 44 151 231 2337  
✉ tob@staru1.livjm.ac.uk

**O'Byrne John**  
Astronomy Dpt  
School of Physics  
Univ of Sydney  
Sydney NSW 2006  
Australia  
☎ 61 2 935 13184  
☎ 61 2 9351 7726  
✉ j.obyrne@physics.usyd.edu.au

**O'Connell Robert F**  
Dpt Phys/Astronomy  
Louisiana State Univ  
Baton Rouge LA 70803 4001  
USA  
☎ 1 504 388 6848  
☎ 1 504 388 5855

**O'Connell Robert West**  
University Station  
Univ of Virginia  
Box 3818  
Charlottesville VA 22903 0818  
USA  
☎ 1 804 924 7494  
☎ 1 804 924 3104  
✉ rwo@virginia.edu

**O'Connor Seamus L**  
Physics Dpt  
Univ College  
Belfield  
Dublin 4  
Ireland  
☎ 353 1 693 244  
☎ 353 1 671 1759

**O'Dea Christopher P**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 2590  
☎ 1 301 338 5085

**O'Dell Charles R**  
Dpt Phys/Astronomy  
Rice Univ  
Box 1892  
Houston TX 77251 1892  
USA  
☎ 1 713 527 8101  
☎ 1 713 285 5143

**O'Dell Stephen L**  
NASA/MSFC  
Space Science Lab  
Code ES 65  
Huntsville AL 35812  
USA  
☎ 1 205 544 7708  
☎ 1 205 547 7754

**O'Donoghue Darragh**  
Astronomy Dpt  
Univ of Cape Town  
Private Bag  
7700 Rondebosch  
South Africa  
☎ 27 21 650 2391  
☎ 27 21 54 3726

**O'Handley Douglas A**  
NASA/ARC  
Ctr Mars Expl  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 604 5028  
☎ 1 415 604 6779  
✉ doug\_ohandley@qmgate.arc.nasa.gov

**O'Keefe John A**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8445

**O'Leary Brian T**  
Future Focas  
5136 E Karen Dr  
Scottsdale AZ 85254  
USA

**O'Mara Bernard J**  
Physics Dpt  
Univ of Queensland  
St Lucia  
Brisbane QLD 4067  
Australia  
☎ 61 7 377 3429  
☎ 61 7 371 5896

**O'Mongain Eon**  
Physics Dpt  
Univ College  
Belfield  
Dublin 4  
Ireland  
☎ 353 1 693 244  
☎ 353 1 671 1759

**O'Sullivan Creidhe**  
Physics Dpt  
Univ College  
Galway  
Ireland  
☎ 353 91 524 411\*3329  
☎ 353 91 525 700  
✉ creidhe@physics.ucg.ie

**O'Sullivan Denis F**  
DIAS  
School Cosmic Phys  
5 Merrion Sq  
Dublin 2  
Ireland  
☎ 353 1 662 1333  
☎ 353 1 662 1477

**O'Sullivan John David**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0310

**Obashev Saken O**  
Astrophys Inst  
Kazakh Acad Sci  
480068 Alma Ata  
Kazakhstan  
☎ 7 62 4040

**Obi Shinya**  
Univ of the Air  
2-11 Wakaba  
Mihama Ku  
Chiba 261 8586  
Japan  
☎ 81 43 276 5111  
☎ 81 43 276 6130

**Oblak Edouard**  
Observ Besancon  
41bis Av Observatoire  
BP 1615  
F 25000 Besancon Cdx  
France  
☎ 33 3 81 66 6933  
☎ 33 3 81 66 6944  
✉ oblak@obs-besancon.fr

**Obrigon Diaz Octavio J**  
Dpt Fisica  
UAM-I Iztapalapa  
Apt 55 534  
Mexico DF 09340  
Mexico  
☎ 52 5 724 4623  
☎ 52 5 686 1717

**Obridko Vladimir N**  
ITMIRWP  
Acad Sciences  
142092 Troitsk  
Russia  
☎ 7 095 232 1921  
☎ 7 095 334 0124  
✉ obridko@lars.izmiran.troitsk.s

**Occhionero Franco**  
OAR  
Via d Parco Mellini 84  
I 00136 Roma  
Italy  
☎ 39 6 34 7056  
☎ 39 6 349 8236

**Ochsenbein Francois**  
Observ Strasburg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0755  
☎ 33 3 88 25 0160  
✉ francois@simbad.u-strasbg.fr

**Oda Minoru**  
Wako Shi  
Saitama 351 01  
Japan  
☎ 81 484 62 1111  
☎ 81 484 67 5942

**Oda Naoki**  
NEC Corporation  
Material Devel Ctr/1st Dev  
Miyazaki 4 1 1 Miyamae-ku  
Kawasaki Kanagawa 216  
Japan  
☎ 81 448 56 2291  
☎ 81 448 56 2244  
✉ oda@mdc.cl.nec.co.jp

**Odell Andrew P**  
Dpt Phys/Astronomy  
N Arizona Univ  
Box 6010  
Flagstaff AZ 86011 6010  
USA  
☎ 1 520 523 2661  
☎ 1 520 523 2626  
✉ Andy.Odell@nau.edu

**Odenwald Sten F**  
NRL  
Code 4138 0  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 3010

**Odgers Graham J**  
3924 Scolton Rd  
Victoria BC V8N 4E2  
Canada

**Odstřil Dusan**

Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7126  
☎ 420 2 88 1611  
✉ adstrcil@asu.cas.cz

**Oegelman Hakki B**

Physics Dpt  
Univ Wisconsin  
1150 University Av  
Madison WI 53706  
USA  
☎ 1 608 265 2052  
☎ 1 608 262 3077  
✉ oegelman@astrog.  
physics.wisc.edu

**Oegerle William R**

Dpt Phys/Astronomy  
JHU  
Charles/34th St  
Baltimore MD 21218  
USA  
☎ 1 301 516 6732  
☎ 1 301 516 5494  
✉ oegerle@pha.jhu.edu

**Oehman Yngve**

Thulelem 53  
S 223 67 Lund  
Sweden  
☎ 46 46 14 3362

**Oekten Adnan**

Univ Observ  
Univ of Istanbul  
University 34452  
34452 Istanbul  
Turkey  
☎ 90 212 522 3597  
☎ 90 212 522 6123  
✉ jk017@triumv11

**Oemler Augustus**

Astronomy Dpt.  
Yale Univ  
Box 208101  
New Haven CT 06520 8101  
USA  
☎ 1 203 436 3460  
☎ 1 203 432 5048

**Oertel Goetz K**

AURA Inc  
Suite 350  
1200 New York Av NW  
Washington DC 20005  
USA  
☎ 1 202 483 2101  
☎ 1 202 483 2106  
✉ goertel@stsci.edu

**Oestgaard Erlend**

Physics Dpt  
Univ of Trondheim  
AVH  
N 7055 Dragvollm  
Norway  
☎ 47 7 92 0411\*117

**Oestreicher Roland**

Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 110 036  
☎ 49 622 152 8246

**Oetken L**

Zntrlnst Astrophysik  
Sternwarte Babelsberg  
Rosa Luxemburg Str 17a  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9309

**Oezel Mehmet Emin**

Space Sci Dpt  
Marmara Res Centre  
PK 21  
41470 Gebze Kocaeli  
Turkey  
☎ 90 262 641 2300  
☎ 90 262 641 2309  
✉ oezel@trmbeam.tr

**Oezkan Mustafa Tuerker**

Univ Observ  
Univ of Istanbul  
University 34452  
34452 Istanbul  
Turkey  
☎ 90 212 528 3847  
☎ 90 212 522 6123  
✉ jk017@triumv11

**Ofman Leon**

NASA/GSFC  
Code 662 1  
Greenbelt MD 20771  
USA  
☎ 1 301 286 9913  
☎ 1 301 286 1617  
✉ leon.ofman@gsfc.  
nasa.gov

**Ogawa Hideo**

Nagoya Univ  
Chikusa-ku Nagoya  
Aichi 464 01  
Japan  
☎ 81 527 89 2840  
☎ 81 52 789 2845  
✉ ogawa@a.phys.  
nagoya-u.ac.jp

**Ogawara Yoshiaki**

Inst Space/Astron Sci  
Univ of Tokyo  
3-1-1 Yoshinodia  
Sagamihara Kanagawa 229  
Japan  
☎ 81 427 51 3911  
☎ 81 427 59 4253  
✉ ogawara@astro.  
isas.ac.jp

**Ogelman Hakki B**

Physics Dpt  
Univ Wisconsin  
1150 University Av  
Madison WI 53706  
USA  
☎ 1 608 265 2052  
☎ 1 608 263 0800  
✉ ogelman@astrog.physics.  
wisc.edu

**Ogura Katsuo**

College of Literature  
Kokugakuin Univ  
Higashi 4-10-28  
Shibuyaku Tokyo 150  
Japan  
☎ 81 298 42 6913

**Oh Kap-Soo**

Dpt Astronomy/Space Sci  
Chungnam Ntl Univ  
Taejon 305 764  
Korea RP  
☎ 82 428 21 5464  
☎ 82 428 22 8380  
✉ ksoh@astrol.  
chungnam.ac.kr

**Oh Kyu Dong**

Dpt Earth Science  
Chonnam Ntl  
University  
Kwangju Chonnan  
Korea RP  
✉ ohkd@chonnam.  
chonnam.ac.kr

**Ohashi Nagayoshi**

Cfa  
HCO/SAO MS 78  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7003  
☎ 1 617 496 7554  
✉ nahashi@cfa.  
harvard.edu

**Ohashi Takaya**

Physics Dpt  
Tokyo Metropol Univ  
1-1 Minami Ohsawa  
Hachioji Tokyo 192 03  
Japan  
☎ 81 426 77 1111 \*3245  
☎ 81 426 77 2483  
✉ ohashi@phys.metro-  
u.ac.jp

**Ohashi Yukio**

3 5 26 Hiroo  
Shibuya-ku  
Tokyo  
Japan  
☎ 81 334 00 7438

**Ohishi Masatoshi**

Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 98 4433  
☎ 81 267 98 2884  
✉ ohishi@nro.noa.  
ac.jp

**Ohki Kenichiro**

Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
☎ 81 422 34 3793

**Ohnishi Kouji**

Nagano Ntl College of Techn  
716 Tokuma  
Nagano 381  
Japan  
☎ 81 262 957 027  
☎ 81 262 957 027  
✉ ohnishi@ge.nagano-nct.ac.jp

**Ohring George**

Dpt Geophys/Planet Sci  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 640 8633  
☎ 972 3 640 9282

**Ohta Kouji**

Astronomy Dpt  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 53 3896  
☎ 81 75 753 3897  
✉ ohta@kusastro.kyoto-u.ac.jp

**Ohtani Hiroshi**

Astronomy Dpt  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 51 2111  
☎ 81 75 753 7010  
✉ ohtani@kusastro.kyoto-u.ac.jp

**Ohtsubo Junji**

Fac of Eng  
Shizuoka Univ  
3 Chome Jyohoku  
Hamamatsu 432  
Japan  
☎ 81 534 71 1171\*585  
☎ 81 534 75 1764

**Ohyama Noboru**

Fac of Eng  
Shizuoka Univ  
3 Chome Jyohoku  
Hamamatsu 432  
Japan  
☎ 81 534 71 1171

**Oja Heikki**

Helsinki Univ  
Observ  
Box 14  
FIN 00014 Helsinki  
Finland  
☎ 358 19 12 2942  
☎ 358 19 12 2952

**Oja Tarmo**

Kvistaberg Observ  
S 197 00 Bro  
Sweden  
☎ 46 85 824 0157  
☎ 46 18 527 583  
✉ oja@astro.uu.se

**Oka Takeshi**  
Chemistry Dpt  
Univ of Chicago  
5735 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 962 7070  
① 1 708 571 8813

**Okamoto Isao**  
Int'l Latitude Observ  
NAOJ  
Hoshigaoka Mizusawa Shi  
Iwate 023  
Japan  
☎ 81 197 24 7111  
① 81 197 22 7120

**Okamura Sadanori**  
Astronomy Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 358 00 6880  
① 81 338 13 9439  
✉ okamura@apsunl.  
astron.s.u-tokyo.jp

**Okazaki Akira**  
Dpt Sci Education  
Gunma Univ  
Maebashi  
Gunma 371  
Japan  
☎ 81 272 32 1611  
① 81 272 33 9231

**Okazaki Atsuo T**  
Coll General Education  
Hokkai Gakuen Univ  
Toyohira-ku  
Sapporo 062  
Japan  
☎ 81 118 41 1161\*284  
① 81 118 24 3141  
✉ okazaki@phys.  
hokusai.ac.jp

**Okazaki Seichi**  
2 4 4 Osawa  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 31 6770  
① 81 422 34 3793

**Oke J Beverley**  
DAO  
NRCC/HIA  
5071 West Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 205 363 0005  
① 1 250 363 0045  
✉ oke@dao.nrc.ca

**Okeke Pius N**  
Dpt Phys/Astronomy  
Univ of Nigeria  
Nsukka  
Nigeria  
☎ 234 42 77 1911  
① 234 42 77 0644

**Okoye Samuel E**  
Dpt Phys/Astronomy  
Univ of Nigeria  
Nsukka  
Nigeria  
☎ 234 42 77 0752  
① 234 42 77 0644

**Okuda Haruyuki**  
Inst Space/Astron Sci  
Univ of Tokyo  
Meguro Ku  
Tokyo 153  
Japan  
☎ 81 346 71 111  
① 81 334 85 2904  
✉ kuda@astro.isas.ac.jp

**Okuda Toru**  
Inst Earth Science  
Hokkaido Univ Educat  
1-2 Hachiman Cho  
Hakodate 040  
Japan  
☎ 81 138 41 1121

**Okumura Sachiko**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 63 4366  
① 81 267 63 4339  
✉ sokumura@nro.nao.  
ac.jp

**Olah Katalin**  
Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
① 36 1 275 4668  
✉ olah@buda.konkoly.hu

**Oliano Carlos Alberto**  
IAR  
CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 4 3793  
① 54 21 211 761

**Olberg Michael**  
Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5500  
① 46 31 772 5550  
✉ olberg@oso.chalmers.se

**Oleak H**  
ZnrInst Astrophysik  
Sternwarte Babelsberg  
Rosa Luxemburg Str 17a  
D 14473 Potsdam  
Germany  
☎ 49 331 762225

**Oliva Ernesto**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52310  
① 39 55 22 0039

**Oliveira Grijó A K**  
Observ Nacional  
Rua Gl Bruce 586  
San Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 7181  
① 55 21 580 0332

**Oliver John Parker**  
Astronomy Dpt  
Univ of Florida  
211 SSRB  
Gainesville FL 32611  
USA  
☎ 1 904 392 2052  
① 1 904 392 5089

**Olivier Scot Stewart**  
LLNL  
L 413  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 415 423 8129  
① 1 415 423 0238  
✉ olivier@sunlight.  
llnl.gov

**Ollongren A**  
Leiden Observ  
Dpt Maths/Computer Sci  
Box 9512  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 2727\*5006  
① 31 71 527 6985

**Olmi Luca**  
Arecibo Observ  
Box 995  
Arecibo PR 00613  
USA  
☎ 1 809 878 2612  
① 1 809 878 1861  
✉ olmi@naic.edu

**Olson Friso**  
NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 521 59 5100  
① 31 52 159 7332

**Olofsson Goeran S**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjoebaden  
Sweden  
☎ 46 8 717 2639  
① 46 8 717 4719  
✉ olofsson@astro.su.se

**Olofsson Hans**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjoebaden  
Sweden  
☎ 46 8 716 4448  
① 46 8 717 4719  
✉ hans@astro.su.se

**Olofsson Kjell**  
Astronomical Observ  
Box 515  
S 751 20 Uppsala  
Sweden  
☎ 46 18 51 0736  
① 46 18 52 7583  
✉ kjell.olofsson@astro.uu.se

**Olowin Ronald Paul**  
Dpt Phys/Astronomy  
Saint Mary's College  
207 D Galileo Hall  
Moraga CA 94575  
USA  
☎ 1 510 631 4428  
① 1 510 376 4027  
✉ rpolowin@galileo.stmarys-  
ca.ed

**Olsen Erik H**  
Astronomical Observ, NBIfAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5929  
① 45 35 32 5989  
✉ eho@astro.ku.dk

**Olsen Fogh H J**  
Astronomical Observ, NBIfAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5932  
① 45 35 32 5989  
✉ fogh@astro.ku.dk

**Olsen Kenneth H**  
1029 187th Pl SW  
Lynnwood WA 98036  
USA  
☎ 1 206 776 7007  
✉ kolsen@geophys.  
washington.edu

**Olson Edward C**  
Dpt Astron/Physics  
Univ of Illinois  
1002 W Green St  
Urbana IL 61801  
USA  
☎ 1 217 333 5531  
① 1 217 244 7638  
✉ olsomed@uxh.cso.uiuc.edu

**Olthof Hindericus**  
ESA/ESTEC  
SSD  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 6555  
① 31 71 565 4532



**Omarov Tuken B**

Astrophys Inst  
Kazakh Acad Sci  
480068 Alma Ata  
Kazakhstan  
☎ 7 64 4040

**Omes Roland**

LPTHE  
Bt 211  
Universite Paris XI  
F 91405 Orsay Cdx  
France  
☎ 33 1 69 41 7744

**Omont Alain**

IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8071  
① 33 1 44 32 8001

**Onaka Takashi**

Astronomy Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 381 22 111  
① 81 338 13 9439

**Onegina A B**

Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63744  
① 380 4426 62147

**Onello Joseph S**

Physics Dpt  
NY State Univ  
Bowers Hall 133  
Cortland NY 13045  
USA  
☎ 1 607 753 2915  
① 1 607 753 2927  
✉ onello@snycorva.cortland.edu

**Ono Yoro**

Physics Dpt  
Hokkaido Univ  
Kita 10 Nishi 8  
Sapporo 063  
Japan  
☎ 81 117 11 2111  
① 81 222 85 132

**Onuora Lesley Irene**

Physics/Astronomy Div  
Univ of Sussex  
Falmer  
Brighton BN1 PQH  
UK  
☎ 44 12 73 678 971  
✉ lonuora@astr.cpes.susx.ac.uk

**Ooe Masatsugu**

Intl Latitude Observ  
NAOJ  
Hoshigaoka Mizusawa Shi  
Iwate 023  
Japan  
☎ 81 197 24 7111  
① 81 197 22 7120

**Oohara Ken-ichi**

Physics Dpt  
Niigata Univ  
Niigata 950 21  
Japan  
☎ 81 252 64 2281  
① 81 252 64 2282  
✉ oohara@astro.sc.niigata-u.ac.jp

**Oosterloo Thomas**

CSIRO  
ATNF  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 9372 4451  
① 61 2 9372 4400  
✉ toosterl@atnf.csiro.au

**Opendak Michael**

Dpt Astron/Astrophys  
Univ of Pennsylvania  
209 South 33 St  
Philadelphia PA 19104  
USA  
☎ 1 215 898 5066  
① 1 215 898 9336  
✉ mopendak@mail.sas.upenn.edu

**Opher Reuven**

IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 275 3720  
① 55 11 276 3848

**Opolski Antoni**

Astronomical Institute  
Wroclaw Univ  
Ul Kopernika 11  
PL 51 622 Wroclaw  
Poland  
☎ 48 71 372 9373/74  
① 48 71 372 9378

**Oprescu Gabriela**

Astronomical Institute  
Romanian Acad Sciences  
Cutiul de Argin 5  
RO 75212 Bucharest  
Rumania  
☎ 40 1 641 3686  
① 40 1 312 3391  
✉ goprescu@imar.ro

**Oproiu Tiberiu**

Astronomical Observ  
Romanian Acad Sciences  
Ul Ciresilor 19  
RO 3400 Cluj Napoca  
Rumania  
☎ 40 64 194 592  
① 40 64 194 592

**Orchiston Wayne**

Carter Observ  
Ntl Observ New Zealand  
Box 2909  
Wellington 1  
New Zealand  
☎ 64 4 472 8167  
① 64 4 472 8320  
✉ wayne.cartdir@vuw.ac.nz

**Orellana Rosa Beatriz**

Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
① 54 21 211 761  
✉ rorellana@fcaglp.edu.ar

**Orlin Hyman**

Ntl Acad Sciences  
NRC  
2101 Constitution Av NW  
Washington DC 20418  
USA  
☎ 1 202 334 3520  
① 1 202 334 2791

**Orlov Mikhail**

Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
① 380 4426 62147

**Ormes Jonathan F**

NASA GSFC  
Code 660  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8801

**Orsatti Ana M**

Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
① 54 21 258 985  
✉ amo@fcaglp.edu.ar

**Orte Alberto**

ROA  
Cecilio Pujazon 22-3 A  
E 11100 San Fernando  
Spain  
☎ 34 5 689 5441  
① 34 5 659 9366

**Ortolani Sergio**

Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
① 39 49 875 9840

**Orton Glenn S**

CALTECH/JPL  
MS 183 301  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 4321  
① 1 818 393 6030

**Orus Juan J**

C/Josep Tarradellas  
134 Atc 3  
E 08028 Barcelona  
Spain  
☎ 34 3 405 2888  
✉ jorge@fajnm1.am.ub.es

**Osaki Toru**

Ryukoku Univ  
Fukakusa Tsukamoto  
Fushimi Ku  
Kyoto 612  
Japan  
☎ 81 756 42 1111

**Osaki Yoji**

Astronomy Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 381 22 111  
① 81 338 13 9439  
✉ osaki@dept.astron.s.u-tokyo.ac.jp

**Osborn Wayne**

Physics Dpt  
Central Michigan Univ  
Mt Pleasant MI 48859  
USA  
☎ 1 517 774 3321  
① 1 517 774 2697  
✉ osborn@dune.phy.cmich.edu

**Osborne John L**

Physics Dpt  
Univ of Durham  
South Rd  
Durham DH1 3LE  
UK  
☎ 44 191 374 2178  
① 44 191 374 3749  
✉ j.l.osborne@durham.ac.uk

**Osborne Julian P**

Dpt Phys/X-Ray Astron  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
① 44 116 250 182  
✉ julio@star.le.ac.uk

**Osman Anas Mohamed**

NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
① 20 6221 405 297

**Osmer Patrick S**  
Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 292 6789  
① 1 614 292 2928

**Osorio Isabel Maria T V P**  
Observ Astronomico  
Univ Porto  
Monte d Virgem  
P 4400 Vila Nova de gaia  
Portugal  
☎ 351 2 782 0404  
① 351 2 782 7253  
✉ iposorio@oa.fc.up.pt

**Osorio Jose J S P**  
Observ Astronomico  
Univ d Porto  
Monte d Virgem  
P 4400 Vila Nova de gaia  
Portugal  
☎ 351 2 782 0404  
① 351 2 782 7253  
✉ posorio@oa.fc.up.pt

**Oster Ludwig F**  
NSF  
Div Astron Sci  
4201 Wilson Blvd  
Arlington VA 22230  
USA  
☎ 1 202 357 9857  
① 1 703 306 0525

**Osterbrock Donald E**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 429 2605  
① 1 831 426 3115  
✉ don@ucolick.org

**Ostriker Jeremiah P**  
Princeton Univ Obs  
Peyton Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 258 3800  
① 1 609 258 1020  
✉ jpo@astro.princeton.edu

**Ostro Steven J**  
CALTECH/JPL  
MS 300 233  
4800 Oak Grove  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 3173  
① 1 818 354 9476  
✉ ostro@echo.jpl.nasa.gov

**Ostrowski Michal**  
Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
① 48 12 25 1318  
✉ mio@oa.uj.edu.pl

**Oswalt Terry D**  
Dpt Phys/Space Sci  
Florida Inst Techn  
150 W University Blvd  
Melbourne FL 32901  
USA  
☎ 1 407 768 8000\*7325  
① 1 407 984 8461  
✉ oswalt@tycho.pss.  
fit.edu

**Oterma Liisi**  
Sirkkalankatu 31  
FIN 20700 Turku  
Finland  
☎ 358 2 133 2081

**Othman Mazlan**  
Planetarium Division  
Prime Minister's Dpt  
2731/5 Jalanjohor Selatan  
50480 Kuala Lumpur  
Malaysia  
☎ 60 3 282 4463  
① 60 3 282 4507

**Otmianowska-Mazur Katarzyna**  
Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
① 48 12 25 1318  
✉ otmian@oa.uj.edu.pl

**Ott Heinz-Albert**  
Astronomisches Institut  
Univ Muenster  
Wilhelm Klemm Str 10  
D 48149 Muenster  
Germany  
☎ 49 251 833 561  
① 49 251 833 669  
✉ ott@cygmus.uni-  
muenster.de

**Ottelet I J**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
① 32 4 254 7511

**Ouhrabka Miroslav**  
College Education In  
Hradec Kralove  
Nam Svobody 301  
CZ 501 91 Hradec Kralove  
Czech R  
☎ 420 49 25226  
① 420 49 25785

**Oukbir Jamila**  
Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0710  
① 33 3 8815 0740  
✉ oukbir@wirtz.u-  
strasbg.fr

**Overbeek Michiel Daniel**  
Box 212  
1610 Edenvale 1610  
South Africa  
☎ 27 11 453 6918  
✉ danieo@global.co.za

**Owaki Naoaki**  
Dpt Astron/Earth Sci  
Tokyo Gakugei Univ  
Koganei  
Tokyo 184  
Japan  
☎ 81 423 25 2111  
① 81 423 25 4219

**Owen Frazer Nelson**  
NRAO  
VLA  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 772 4011  
① 1 505 835 7027

**Owen Tobias C**  
Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 8007  
① 1 808 988 2790  
✉ owen@hubble.ifa.  
hawaii.edu

**Owen William Mann**  
CALTECH/JPL  
MS 301 150  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 2505  
① 1 818 393 6388  
✉ wmo@jpl.nasa.gov

**Owoccki Stanley Peter**  
Bartol Res Inst  
Univ of Delaware  
Newark DE 19716  
USA  
☎ 1 302 451 8357  
① 1 302 451 1843  
✉ owoccki@bartol.udel.edu

**Oxenius Joachim**  
Dpt d Physique  
Univ Bruxelles  
Campus Plaine CP 226  
B 1050 Brussels  
Belgium  
☎ 32 2 650 5818  
① 32 2 650 5045

**Ozeki Hiroyuki**  
Inst Molecular Science  
Myodaijii  
Okazaki 444  
Japan  
☎ 81 564 55 7322  
① 81 564 55 4639  
✉ ozeki@ims.ac.jp

**Ozernoy Leonid M**  
NASA GSFC  
Code 685  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8801  
✉ ozernoy@lheavx.gsfc.nasa.gov

**Ozguç Atila**  
Kandilli Observ  
Bugazici Univ  
Cengecikoy  
81220 Istanbul  
Turkey  
☎ 90 216 308 0514  
① 90 216 332 1711  
✉ ozguç@boun.edu.tr

**Ozsvath I**  
Univ of Texas  
Programs in Mathemat Sci  
Box 830688  
Richardson TX 75083 0688  
USA  
☎ 1 214 690 2174

## P

**Pacharin-Tanakun P**  
Physics Dpt  
Chulalongkorn Univ  
Bangkok 10330  
Thailand  
☎ 66 2 251 4902  
☎ 66 2 253 1150

**Pachner Jaroslav**  
2101  
465 Richmond Rd  
Ottawa ON K2A 1Z1  
Canada  
☎ 1 613 728 0740  
☎ 1 613 728 0740

**Pacholeczyk Andrzej G**  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 6928  
☎ 1 520 621 1532

**Paciasas William S**  
Physics Dpt  
Univ of Alabama  
Huntsville AL 35899  
USA  
☎ 1 205 544 7712  
☎ 1 205 544 5800  
✉ paciasas@ssl.msfc.  
nasa.gov

**Pacini Franco**  
Dpt Astronomia  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52232  
☎ 39 55 22 0039  
✉ pacini@arcetri.  
astro.it

**Paczynski Bohdan**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
☎ 48 22 41 0828

**Padalia T D**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136

**Padman Rachael**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 274  
☎ 44 12 23 354 599  
✉ padman@mrao.cam.  
ac.uk

**Padmanabhan Janardhan**  
PRL  
Navrangpura  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
☎ 91 272 44 5292

**Padmanabhan T**  
IUCAA  
PO Box 4  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 351 414/5  
☎ 91 212 350 760  
✉ paddy@iucaa.ernet.in

**Padovani Paolo**  
STSci  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4742  
☎ 1 301 338 5075  
✉ padovani@stsci.edu

**Padielli Lucia**  
Istt Radioastronomia  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 0384  
☎ 39 51 639 9431  
✉ padielli@astbo1.bo.  
cnr.it

**Paerels Frederik B S**  
Astronomy Dpt  
Columbia Univ  
538 W 120th St  
New York NY 10027  
USA  
☎ 1 212 854 8125  
☎ 1 212 854 8121  
✉ frits@naima.phys.  
columbia.edu

**Pagano Isabella**  
Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 2243  
☎ 39 95 33 0592  
✉ ipagano@astrct.ct.  
astro.it

**Page Arthur**  
Physics Dpt  
Univ of Queensland  
St Lucia  
Brisbane QLD 4072  
Australia  
☎ 61 7 365 2422  
☎ 61 7 365 1199

**Page Clive G**  
Dpt Phys/X-Ray Astron  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
☎ 44 116 250 182

**Page Dany**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3910  
☎ 52 5 616 0653  
✉ page@astroscu.  
unam.mx

**Page Don Nelson**  
Physics Dpt  
Univ of Alberta  
Edmonton AB T6G 2J1  
Canada  
☎ 1 403 492 4129  
☎ 1 403 492 0714  
✉ don@phys.ualberta.ca

**Pagel Bernard E J**  
Groombridge Lewes Rd.  
Ringmer  
E Sussex BN8 5ER  
UK  
☎ 44 31 42 1616  
☎ 44 31 38 9157  
✉ bejp@star.cpes.susx.  
ac.uk

**Pakvor Ivan**  
Astronomical Observ  
Volgina 7  
11050 Beograd  
Yugoslavia FR  
☎ 381 1 419 357/421 875  
☎ 381 1 419 553

**Pal Arpad**  
Fac of Mathematics  
Univ of Cluj Napoca  
Str Kogalniceanu 1  
RO 3400 Cluj Napoca  
Rumania  
☎ 40 64 116 101  
☎ 40 64 194 592

**Palagi Francesco**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
☎ 39 55 22 0039

**Paletou Frederic**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 92 00 30 50  
☎ 33 4 92 00 3121  
✉ paletou@obs-nice.fr

**Palla Francesco**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52249  
☎ 39 55 22 0039  
✉ palla@arcetri.astro.it

**Pallavicini Roberto**  
Osserv Astronomico  
Univ d Palermo  
Piazza Parlamento 1  
I 90134 Palermo  
Italy  
☎ 39 91 233 251  
☎ 39 91 233 444  
✉ pallavic@oapa.astropa.unipa.it

**Palle Pere-Lluís**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Palmeira Ricardo A R**  
INPE  
Dpt Astronomia  
CP 515  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 123 22 9977  
☎ 55 123 21 8743

**Palmer Patrick E**  
Astronomy/Astrophys Ctr  
Univ of Chicago  
5640 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 962 7972  
☎ 1 312 702 8212  
✉ ppalmer@oskar.uchicago.edu

**Palmer Philip**  
Astronomy Unit  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5462  
☎ 44 181 981 9587  
✉ philip@qmc.maths.

**Palous Jan**  
Astronomical Institute  
Czech Acad Sci  
Bočni li 1401  
CZ 141 31 Praha 4  
Czech R  
☎ 420 2 67 10 3065  
☎ 420 2 76 90 23  
✉ palous@ig.cas.cz

**Paltani Stephane**  
INTEGRAL  
Science Data Ctr  
16 Chemin Ecogia  
CH 1290 Versoix  
Switzerland  
☎ 41 22 950 9141  
☎ 41 22 950 9133  
✉ stephane.paltani@obs.unige.ch

**Palumbo Giorgio G C**  
Dpt Astronomia  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 424  
☎ 39 51 259 407  
✉ ggcpalumbo@alma02.cineca.it

**Palus Pavel**  
Dpt Astron/Astrophys  
Comenius Univ  
Mlynska Dolina  
SK 842 15 Bratislava  
Slovak Republic  
☎ 421 7 72 400  
☎ 421 7 32 5882

**Pamyatnikh Alexsey A**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
☎ 7 095 230 2081  
✉ alosza@camk.edu.pl

**Pan Junhua**  
Nanjing Astronomical  
Instrument Factory  
Box 846  
Nanjing  
China PR  
☎ 86 25 46191  
☎ 86 25 71 1256

**Pan Liande**  
Shaanxi Observ  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 33 2255  
☎ 86 9237 3496

**Pan Ning-Bao**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
☎ 86 1 256 10855

**Pan Rong-Shi**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
☎ 86 21 6438 4618

**Pan Xiao-Pei**  
CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 356 4015  
☎ 1 818 568 1517  
✉ xpp@deimos.caltech.edu

**Panagia Nino**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4916  
☎ 1 301 338 5090  
✉ panagia@stsci.edu

**Panchuk Vladimir E**  
SAO  
Acad Sciences  
Nizhnyi Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 865 789 3527  
✉ panchuk@sao.stavropol.su

**Pande Girish Chandra**  
126 Aryanagar  
Lucknow 226 004  
India

**Pande Mahesh Chandra**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136

**Pandey A K**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136

**Pandey S K**  
Physics Dpt  
Univ of Ravishankar  
Raipur 492 010  
India  
☎ 91 27 064

**Pandey Uma Shankar**  
Physics Dpt  
Univ of Gorakhpur  
Gorakhpur 273 009  
India  
☎ 91 551 336 601

**Panek Robert J**  
Astronomy Dpt  
Pennsylvania State Univ  
525 Davey Lab  
University Park PA 16802  
USA  
☎ 1 814 865 3631  
☎ 1 814 863 7114

**Pang Kevin**  
CALTECH/JPL  
MS T11 823  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 5392  
☎ 1 818 393 6030

**Pankonin Vernon Lee**  
NSF  
Div Astron Sci  
4201 Wilson Blvd  
Arlington VA 22230  
USA  
☎ 1 703 306 1820  
☎ 1 703 306 0525  
✉ vpankonin@nsf.gov

**Pannunzio Renato**  
Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9034  
☎ 39 11 461 9030  
✉ pannunzio@to.astro.it

**Panov Kiril**  
Astronomy Dpt  
Bulgarian Acad Sci  
7th November St 1  
BG 1000 Sofia  
Bulgaria  
☎ 359 2 80 2831  
☎ 359 2 80 2831

**Paolicchi Paolo**  
Dpt Fisica  
Univ d Pisa  
Piazza Torricelli 2  
I 56100 Pisa  
Italy  
☎ 39 50 43343

**Pap Judit**  
CALTECH/JPL  
MS 171 400  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 2662  
☎ 1 818 354 4707  
✉ jpap@solar.stanford.edu

**Papaelias Philip**  
Astrophysics Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 723 3122  
☎ 30 1 723 5122

**Papagiannis Michael D**  
Astronomy Dpt  
Boston Univ  
725 Commonwealth Av  
Boston MA 02215  
USA  
☎ 1 617 353 5705  
☎ 1 617 353 5704

**Papalliolos Costas**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7123  
☎ 1 617 495 7356

**Papaloizou John C B**  
School Mathemat Sc  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 980 4811  
☎ 44 181 975 5500

**Paparo Margit**  
Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
☎ 36 1 275 4668  
✉ paparo@ogyalla.konkoly.hu

**Papathanasoglou D**  
Astronomy Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414  
☎ 30 1 723 5122

**Papayanopoulos Th**  
Astrophysics Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 723 7924  
☎ 30 1 723 8413  
✉ tpapagia@atlas.uoa.ariadna-t.gr

**Papousek Jiri**

Mlynska 2  
CZ 602 00 Brno  
Czech R  
☎ 420 5 332 517

**Paquet Paul Eg**

Koninklijke Sterrenwacht  
van België  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0249  
① 32 2 374 9822  
✉ paul.paquet@oma.be

**Parcellier Pierre**

Observ Paris  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 43 20 1210  
① 33 1 44 54 1804

**Paredes Jose Maria**

Dpt Astronm Meteo  
Univ Barcelona  
Avd Diagonal 647  
E 08028 Barcelona  
Spain  
☎ 34 3 402 1130  
① 34 3 402 1133  
✉ josemp@mizar.am.  
ub.es

**Paresce Francesco**

ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6297  
① 49 893 200 6480  
✉ fparesce@eso.org

**Parfinenko Leonid D**

Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4400  
① 7 812 123 1922  
✉ makarov@gaosun.  
spb.su

**Parijskij Yuri N**

Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 297 9452  
① 7 812 315 1701

**Parise Ronald A**

NASA GSFC  
Code 684 9  
Greenbelt MD 20771  
USA  
☎ 1 301 286 3896

**Pariset Jean-Paul**

Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
① 33 5 56 40 4251

**Park Changbom**

Astronomy Dpt  
Seoul Ntl Univ  
Kwanak Ku  
Seoul 151 742  
Korea RP  
☎ 82 288 06 769  
① 82 288 71435  
✉ cbp@astrogate.snu.  
ac.kr

**Park Hong Suh**

Dpt Earth Sci  
Korea Ntl Univ of Educat  
Cheongwon  
Choongbook 373 791  
Korea RP  
✉ hspark@knuecc-sun.  
knue.ac.kr

**Park Myeong-gu**

Dpt Astron/Meteorology  
College of Ntl Sciences  
Kyungpook Ntl Univ  
Taegu 702 701  
Korea RP  
☎ 82 539 50 6364  
① 82 539 57 0431

**Park Seok Jae**

Korea Astronomy Obs/ISSA  
36 1 Whaam Dong  
Yuseong Gu  
Taejon 305 348  
Korea RP  
☎ 82 428 65 3266  
① 82 428 61 5610  
✉ sjpark@apissa.issa.  
re.kr

**Park Young-Deuk**

Korea Astron Observ  
Jachun Box 1  
Whabook Youngchun  
Kyungbook  
Korea RP  
☎ 82 563 301 015  
① 82 563 369 450  
✉ ydperk@flare.boao.  
re.kr

**Parker Edward A**

Electronics Lab  
Univ of Kent  
Canterbury CT2 7NT  
UK  
☎ 44 12 27 668 22  
① 44 12 27 456 084

**Parker Eugene N**

Astrophys/Space Res Lab  
Univ of Chicago  
933 E 56th St  
Chicago IL 60637  
USA  
☎ 1 312 702 7847  
① 1 312 702 6647

**Parker Neil**

Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
① 44 12 23 374 700  
✉ nmp@ast.cam.ac.uk

**Parker Quentin**

Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 668 8379  
① 44 131 668 8356

**Parker Robert A R**

NASA/JSC  
Code CB  
Houston TX 77058  
USA  
☎ 1 713 483 2221  
① 1 281 483 5347

**Parkinson John H**

School of Science/Maths  
City Campus  
Pond St  
Sheffield S1 1WB  
UK  
☎ 44 114 253 3086  
① 44 114 253 3066

**Parkinson Truman**

NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
① 1 520 325 9360

**Parkinson William H**

Cfa  
HCO/SAO MS 50  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 4865  
① 1 617 495 7455  
✉ parkinson@cfa.  
harvard.edu

**Parma Paola**

Istt Radioastronomia  
CNR  
Via P Gobetti101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9380  
① 39 51 639 9431  
✉ parma@astbo1.bo.cnr.it

**Parmar Arvind Nicholas**

ESA/ESTEC  
SSD  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 4532  
① 31 71 565 4690  
✉ aparmar@ests2a.estec.  
esa.nl

**Parnovsky Sergei**

Astronomical Observ  
Observatorna St 3  
Kyiv 254 053  
Ukraine  
☎ 380 4429 54515  
✉ par@aoku.freenet.ua

**Parravano Antonio**

Ctro Astrofis Teorica  
Univ Los Andes  
Apdo 26  
Merida 5251 A  
Venezuela  
☎ 58 7 440 1330/1331  
① 58 7 440 1286  
✉ parravan@ciens.ula.ve

**Parrish Allan**

Astronomy Dpt  
Univ Massachusetts  
GRC 6191  
Amherst MA 01003  
USA

**Parস্যমান্য Elma S**

Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
① 374 88 52 52 3640

**Parsons Sidney B**

STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4807  
① 1 301 338 4767

**Parthasarathy M**

IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585/6497  
① 91 80 553 4043

**Partridge Robert B**

Haverford College  
Haverford PA 19041  
USA  
☎ 1 215 896 1145  
① 1 215 896 1224  
✉ bpartrid@haverford.edu

**Parv Bazil**

Fac of Mathematics  
Univ of Cluj Napoca  
Ul Kogalniceanu 1  
RO 3400 Cluj Napoca  
Rumania  
☎ 40 64 193 415  
① 40 64 191 901  
✉ bparv@cs.ubbcluj.ro

**Pasachoff Jay M**

Hopkins Observ  
Williams College  
Williamstown MA 01267  
USA  
☎ 1 413 597 2105  
① 1 413 597 3200  
✉ jay.m.pasachoff@williams.edu

**Pascoal Antonio J B**

Observ Astronomico  
Univ d Porto  
Monte d Virgem  
P 4400 Vila Nova de gaia  
Portugal  
☎ 351 2 782 0404  
① 351 2 782 7253

**Pascu Dan**  
USNO  
3450 Massachusetts Av NW  
Washington DC 20392 5100  
USA  
☎ 1 202 653 1178  
✉ pas@clem.usno.  
navy.mil

**Pasian Fabio**  
OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 31 99221  
① 39 40 30 9418  
✉ pasian@ts.astro.it

**Pasinetti Laura E**  
Dpt Fisica  
Univ d Milano  
Via Celoria 16  
I 20133 Milano  
Italy  
☎ 39 2 239 2272  
① 39 2 706 38413  
✉ pasinetti@milano.  
inf.n.it

**Pastori Livio**  
Osserv Astronomico  
d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy  
☎ 39 990 6412  
① 39 990 8492

**Pastoriza Miriani G**  
Instituto Fisica  
UFRGS  
CP 15051  
91501 900 Porto Alegre RS  
Brazil  
☎ 55 512 36 4677

**Paterno Lucio**  
Istt Astronomia  
Citta Universitaria  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 2235  
① 39 95 33 0592  
✉ lpaterno@astrct.ct.  
astro.it

**Pathria Raj K**  
Physics Dpt  
Univ Waterloo  
Waterloo ON N2L 3G1  
Canada  
☎ 1 519 885 1211  
① 1 519 746 8115

**Pati A K**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 4043  
① 91 80 553 0672  
✉ pati@iia.ernet.in

**Patkos Laszlo**  
Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
① 36 1 275 4668

**Patnaik Alok Ranjan**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 264  
① 49 228 525 229  
✉ apatnaik@mpifr-bonn.  
mpg.de

**Patriarchi Patrizio**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52282  
① 39 55 22 0039

**Paturel Georges**  
Observ Lyon  
Av Ch Andre  
F 69561 S Genis Laval Cdx  
France  
☎ 33 4 78 56 0705  
① 33 4 72 39 9791  
✉ patu@image.univ-  
lyon1.fr

**Paul Jacques**  
DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 4462  
① 33 1 69 08 6577

**Pauldrach Adalbert W A**  
Inst Astron/Astrophysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 220 9436  
① 49 899 220 9427

**Pauliny Toth Ivan K K**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 243  
① 49 228 864 40  
✉ p033pitt@mpirbn.mpi-fr-  
bonn.mpg.de

**Pauls Thomas Albert**  
NRL  
Code 7213  
4555 Overlook Av SW  
Washington DC 20375 5351  
USA  
☎ 1 202 767 0171  
① 1 202 404 8894  
✉ pauls@atlas.nrl.navy.mil

**Pauwels Thierry**  
Koninklijke Sterrenwacht  
van Belgie  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0225  
① 32 2 374 9822  
✉ thierry.pauwels@oma.be

**Pavlenko Elena**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71124  
① 380 6554 40704  
✉ pavlenko@crao.  
crimea.ua

**Pavlenko Yakov V**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 64771  
① 380 4426 62147  
✉ maouas@gluk.apc.org

**Pavlinsky Mikhail A**  
Space Res Inst  
Acad Sciences  
Profsojuznaya Ul 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 2366  
① 7 095 333 5377  
✉ mykle@rea.iki.rssi.ru

**Pavlovski Kresimir**  
Hvar Observ  
Fac Geodesy  
Kacicева 26  
HR 10000 Zagreb  
Croatia  
☎ 385 1 442 600  
① 385 1 445 410

**Paxton Harold J B R**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
① 44 12 23 374 700

**Payne David G**  
CALTECH/JPL  
MS 264 748  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 213 351 1321  
① 1 818 393 6030

**Peach Gillian**  
Dpt Phys/Astronomy  
UCL O  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050  
① 44 171 380 7145  
✉ ucup22g@ucl.ac.uk

**Peach John V**  
Astrophysics Dpt  
Univ of Oxford  
Keble Rd  
Oxford OX1 3RQ  
UK  
☎ 44 186 551 1336  
① 44 186 527 3947

**Peacock Anthony**  
ESA/ESTEC  
SSD  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 6555  
① 31 71 565 4690  
✉ astro@astro.estec.esa.nl

**Peacock John Andrew**  
Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 667 3321  
① 44 131 668 8356

**Peale Stanton J**  
Physics Dpt  
Univ of California  
Santa Barbara CA 93106  
USA  
☎ 1 805 961 2977

**Pearce Gillian**  
Astrophysics Dpt  
Univ of Oxford  
Keble Rd  
Oxford OX1 3RH  
UK  
☎ 44 186 527 3297  
① 44 186 527 3947

**Pearson Timothy J**  
CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 356 4980  
① 1 818 568 9352

**Pečina Petr**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondřejov  
Czech R  
☎ 420 204 85 729  
① 420 2 88 1611  
✉ ppečina@asu.cas.cz

**Pecker Jean-Claude**  
College d France  
3 r Ulm  
F 75331 Paris Cdx 05  
France  
☎ 33 1 44 27 1695  
① 33 1 44 27 1185  
✉ j.c.pecker@wanadoo.fr

**Pedersen Bent M**  
 Observ Paris Meudon  
 ARPEGES  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7809  
 ☎ 33 1 45 07 7971

**Pedersen Holger**  
 Astronomical Observ, NBIfAFG  
 Copenhagen Univ  
 Juliane Maries Vej 30  
 DK 2100 Copenhagen  
 Denmark  
 ☎ 45 35 32 5980  
 ☎ 45 35 32 5989

**Pedersen Olaf**  
 Astronomical Observ, NBIfAFG  
 Copenhagen Univ  
 Juliane Maries Vej 30  
 DK 2100 Copenhagen  
 Denmark  
 ☎ 45 35 32 5934  
 ☎ 45 35 32 5989  
 ✉ holger@astro.ku.dk

**Pedlar Alan**  
 NRAL  
 Univ Manchester  
 Jodrell Bank  
 Macclesfield SK11 9DL  
 UK  
 ☎ 44 14 777 1321  
 ☎ 44 147 757 1618

**Pedoussaut Andre**  
 OMP  
 14 Av E Belin  
 F 31400 Toulouse Cdx  
 France  
 ☎ 33 5 61 25 2101  
 ☎ 33 5 61 53 6722  
 ✉ pedouss@obs-mip.fr

**Pedreras Mario**  
 Dpt Fisica  
 Univ Tarapaca  
 Casilla 7 D  
 Arica  
 Chile  
 ✉ mpedrero@vitor.faci.  
 uta.cl

**Peebles P James E**  
 Physics Dpt  
 Princeton Univ  
 Jadwin Hall  
 Princeton NJ 08544 1001  
 USA  
 ☎ 1 609 452 4386  
 ☎ 1 609 258 6853

**Peery Benjamin F**  
 Dpt Phys/Astronomy  
 Howard Univ  
 Washington DC 20059  
 USA  
 ☎ 1 202 636 6267

**Pei Chunchuan**  
 Purple Mountain Obs  
 CAS  
 Nanjing 210008  
 China PR  
 ☎ 86 25 330 3738  
 ☎ 86 25 330 1459  
 ✉ ccpei@nj.col.com.cn

**Peimbert Manuel**  
 Instituto Astronomia  
 UNAM  
 Apt 70 264  
 Mexico DF 04510  
 Mexico  
 ☎ 52 5 622 3906  
 ☎ 52 5 616 0653  
 ✉ peimbert@astroscu.  
 unam.mx

**Pekeris Chaim Leib**  
 Applied Maths Dpt  
 Weizmann Inst of Sci  
 Box 26  
 Rehovot 76100  
 Israel  
 ☎ 972 8 483 292  
 ☎ 972 8 34 4106

**Pekuenlue E Rennan**  
 Dpt Astron/Space Sci  
 Ege Univ  
 Box 21  
 35100 Bornova Izmir  
 Turkey  
 ☎ 90 232 388 0110\*2322

**Pel Jan Willem**  
 Kapteyn Sterrekundig Inst  
 Univ Groningen  
 Postbus 800  
 NL 9700 AV Groningen  
 Netherlands  
 ☎ 31 50 363 4082  
 ☎ 31 50 363 4033  
 ✉ j.w.pel@astro.rug.nl

**Pelletier Reynier Frans**  
 Kapteyn Sterrekundig Inst  
 Univ Groningen  
 Postbus 800  
 NL 9700 AV Groningen  
 Netherlands  
 ☎ 31 50 363 4073  
 ☎ 31 50 363 6100

**Pellas Paul**  
 Laboratoire Mineralogie  
 61 r Buffon  
 F 75005 Paris  
 France  
 ☎ 33 1 47 07 2824

**Pellegrini Paulo S S**  
 Observ Nacional  
 Rua Gl Bruce 586  
 Sao Cristovao  
 20921 030 Rio de Janeiro RJ  
 Brazil  
 ☎ 55 21 580 3683  
 ☎ 55 21 580 0332  
 ✉ pssp@incc

**Pellerin Charles J**  
 NASA Headquarters  
 Code EZ  
 600 Independence Av SW  
 Washington DC 20546  
 USA  
 ☎ 1 202 453 1437

**Pellet Andre**  
 Observ Marseille  
 2 Pl Le Verrier  
 F 13248 Marseille Cdx 04  
 France  
 ☎ 33 4 91 95 9088  
 ☎ 33 4 91 62 1190

**Pelletier Guy**  
 Observ Grenoble  
 Lab Astrophysique  
 BP 53x  
 F 38041 S Martin Heres Cdx  
 France  
 ☎ 33 4 76 51 4570  
 ☎ 33 4 76 44 8821

**Pello Roser Descayre**  
 OMP  
 14 Av E Belin  
 F 31400 Toulouse Cdx  
 France  
 ☎ 33 5 61 33 2812  
 ☎ 33 5 61 53 6722  
 ✉ roser@obs-mip.fr

**Pelt Jaan**  
 Tartu Observ  
 Estonian Acad Sci  
 Toravere  
 EE 2444 Tartumaa  
 Estonia  
 ☎ 372 7 410 242  
 ☎ 372 7 410 205  
 ✉ pelt@aai.ee

**Pena Jose**  
 Instituto Astronomia  
 UNAM  
 Apt 70 264  
 Mexico DF 04510  
 Mexico  
 ☎ 52 5 622 3906  
 ☎ 52 5 548 0653  
 ✉ penas@astroscu.  
 unam.mx

**Pena Miriam**  
 Instituto Astronomia  
 UNAM  
 Apt 70 264  
 Mexico DF 04510  
 Mexico  
 ☎ 52 5 622 3908  
 ☎ 52 5 616 0653  
 ✉ miriam@astroscu.  
 unam.mx

**Pendleton Yvonne Jean**  
 NASA/ARC  
 MS 245 3  
 Moffett Field CA 94035 1000  
 USA  
 ☎ 1 415 604 4391  
 ☎ 1 415 604 6779  
 ✉ pendleton@galileo.arc.  
 nasa.gov

**Peng Bo**  
 Beijing Astronomical Obs  
 CAS  
 Beijing 100080  
 China PR  
 ☎ 86 10 6262 5498  
 ☎ 86 1 256 10855  
 ✉ pb@bao01.bao.ac.cn

**Peng Qiube**  
 Astronomy Dpt  
 Nanjing Univ  
 Nanjing 210093  
 China PR  
 ☎ 86 25 34651\*2882  
 ☎ 86 25 330 7965

**Peng Yunlou**  
 Astronomy Dpt  
 Nanjing Univ  
 Nanjing 210093  
 China PR  
 ☎ 86 25 37551\*2882  
 ☎ 86 25 330 2728

**Peniche Rosario**  
 Instituto Astronomia  
 UNAM  
 Apt 70 264  
 Mexico DF 04510  
 Mexico  
 ☎ 52 5 622 3906  
 ☎ 52 5 548 3712  
 ✉ penas@astroscu.unam.mx

**Penny Alan John**  
 Rutherford Appleton Lab  
 Space/Astrophysics Div  
 Bg R25/R68  
 Chilton Didcot OX11 0QX  
 UK  
 ☎ 44 12 35 445 675  
 ☎ 44 12 35 44 6667  
 ✉ a.j.penny@rl.ac.uk

**Pensado Jose**  
 Observ Astronomico  
 Nacional  
 Alfonso XII-5  
 E 28014 Madrid  
 Spain  
 ☎ 34 1 227 0107

**Penston Margaret**  
 Royal Greenwich Obs  
 Madingley Rd  
 Cambridge CB3 0EZ  
 UK  
 ☎ 44 12 23 374 000  
 ☎ 44 12 23 374 700

**Penzias Arno A**  
 Bell Labs  
 Rm 6A-409  
 700 Mountain Av  
 Murray Hill NJ 07974  
 USA  
 ☎ 1 908 582 3361  
 ☎ 1 908 582 4702

**Pequignot Daniel**  
 Observ Paris Meudon  
 DAF  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7438  
 ☎ 33 1 45 07 7469

**Peraiah Annamaneni**

IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585/6497  
☎ 91 80 553 4043

**Perault Michel**

DEMIRM  
ENS  
24 r Lhomond  
F 75231 Paris Cdx 05  
France  
☎ 33 1 43 29 1225  
☎ 33 1 45 87 3489

**Percy John R**

Science Div  
Univ of Toronto  
Erindale College  
Mississauga ON L5L 1C6  
Canada  
☎ 1 905 828 5351  
☎ 1 905 828 5328  
✉ jpercy@credit.erin.  
utoronto.ca

**Perdang Jean M**

Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
☎ 32 4 254 7511  
✉ perdang@astro.ulg.  
ac.be

**Perdomo Raul**

Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
☎ 54 21 211 761  
✉ perdomo@fcagcp.  
edu.ar

**Perdrix John**

Geochemistry Res Ctr  
2/2/11 Brodie Hall Dr  
Bentley WA 6102  
Australia  
☎ 61 9 361 4410  
☎ 61 9 361 4418  
✉ geochem@techpkwa.  
curtin.edu.au

**Perea-Duarte Jaime D**

Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
☎ 34 5 881 4530  
✉ jaime@iaa.s

**Perek Lubos**

Astronomical Institute  
Czech Acad Sci  
Bocni Li 1401  
CZ 141 31 Praha 4  
Czech R  
☎ 420 2 67 10 3068  
☎ 420 2 76 90 23  
✉ perek@ig.cas.cz

**Peres Giovanni**

Osserv Astronomico  
Univ d Palermo  
Piazza Parlamento 1  
I 90134 Palermo  
Italy  
☎ 39 91 651 7998  
☎ 39 91 651 7292  
✉ peres@oopa.astrpa.  
unipa.it

**Perez Enrique**

IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117  
✉ epj@iac.es

**Perez Fournon Ismael**

IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Perez de Tejada H A**

Observ Astronomico Nacional  
UNAM  
Apt 877  
Ensenada BC 22800  
Mexico  
☎ 52 6 174 4580  
☎ 52 6 174 4607

**Perez-Peraza Jorge A**

Instituto Geofisica  
UNAM  
Delegation Coyoacan  
Mexico DF 04510  
Mexico  
☎ 52 5 548 1375  
☎ 52 5 550 2486  
✉ japerez@astroscu.  
unam.mx

**Perinotto Mario**

Dpt Astronomia  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
☎ 39 55 22 0039

**Perkins Francis W**

Plasma Physics Lab  
Princeton Univ  
Box 451  
Princeton NJ 08544 1001  
USA  
☎ 1 609 683 2603  
☎ 1 609 243 2751

**Perley Richard Alan**

NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 772 4011  
☎ 1 505 835 7027

**Perola Giuseppe C**

Istt Astronomico  
Univ d Roma La Sapienza  
Via G M Lancisi 29  
I 00161 Roma  
Italy  
☎ 39 6 44 03734  
☎ 39 6 44 03673

**Perrier Christian**

Observ Grenoble  
Lab Astrophysique  
BP 53x  
F 38041 S Martin Heres Cdx  
France  
☎ 33 4 76 51 4788  
☎ 33 4 76 44 8821

**Perrin Jean-Marie**

LAS  
Traverse du Siphon  
Les Trois Lucs  
F 13376 Marseille Cdx 12  
France  
☎ 33 4 91 05 5900  
☎ 33 4 91 66 1855  
✉ perrin@frlasm51

**Perrin Marie-Noel**

Observ Paris  
DASGAL  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2245  
☎ 33 1 44 54 1804

**Perry Charles L**

Dpt Phys/Astronomy  
Louisiana State Univ  
Baton Rouge LA 70803 4001  
USA  
☎ 1 504 388 8287  
☎ 1 504 388 5855  
✉ perry@lsuvmv

**Perry Judith J**

Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
☎ 44 12 23 337 523

**Perry Peter M**

915 Harwood Rd  
Harwood MD 20706  
USA  
☎ 1 301 261 7527  
☎ 1 301 261 4279  
✉ pmperry@erols.com

**Perryman Michael A C**

ESA/ESTEC  
SSD  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 3615  
☎ 31 71 565 4690  
✉ mperryman@esta2.estec.esa.nl

**Persi Paolo**

IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
☎ 39 6 2066 0188  
✉ persi@ifs1.rm.fra.cnr.it

**Persides Sotirios C**

Astronomy Lab  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 1357

**Pesch Peter**

Physics Dpt  
CWRU  
Rock Bdg  
Cleveland OH 44106  
USA

**Pesek Ivan**

Astronomical Observ  
Technical Univ  
Thakurova 7  
CZ 166 29 Praha 6  
Czech R  
✉ pesek@fsv.cvut.cz

**Peters Geraldine Joan**

Space Sci Ctr  
USC  
SHS MC 1341  
Los Angeles CA 90089 1341  
USA  
☎ 1 213 740 6336  
☎ 1 213 740 6342  
✉ gjpeters@mucen.usc.edu

**Peters William L III**

Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 5380  
☎ 1 520 621 1532  
✉ peters@as.arizona.edu

**Petersen J Otzen**

Astronomical Observ, NBIFAFG  
Copenhagen Univ  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5994  
☎ 45 35 32 5989



**Peterson Bradley Michael**  
Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 292 7886  
① 1 614 292 2928  
✉ peterson@payne.mps.  
ohio-state.edu

**Peterson Bruce A**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 881 111  
① 61 262 490 233

**Peterson Charles John**  
Dpt Phys/Astronomy  
Univ of Missouri  
223 Physics Bldg  
Columbia MO 65211  
USA  
☎ 1 314 882 3217

**Peterson Deane M**  
Dpt Earth/Space Sci  
Astronomy Program  
Suny at Stony Brook  
Stony Brook NY 11794 2100  
USA  
☎ 1 516 632 8223  
① 1 516 632 8240  
✉ dpeterson@astro.  
sunysb.edu

**Peterson Laurence E**  
CASS  
UCSD  
C 011  
La Jolla CA 92093 0216  
USA  
☎ 1 619 534 3461  
① 1 619 534 2294  
✉ lepeteron@ucsd.edu

**Peterson Ruth Carol**  
607 Marion Pl  
Palo Alto CA 94301  
USA  
☎ 1 408 459 3559  
① 1 408 426 3115  
✉ peterson@lick.  
ucsc.edu

**Petford A David**  
Astrophysics Dpt  
Univ of Oxford  
South Parks Rd  
Oxford OX1 3RQ  
UK  
☎ 44 186 551 1336  
① 44 186 527 3947

**Pethick Christopher J**  
NORDITA  
Blegdamsvej 17  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5500  
① 45 31 38 9157  
✉ pethick@nbivax.nbi.dk

**Petit Gerard**  
BIPM  
Pavillon de Breteuil  
F 92312 Sevres Cdx  
France  
☎ 33 1 45 07 7067  
① 33 1 45 34 2021  
✉ gpetit@bipm.fr

**Petit Jean-Marc**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 92 00 3089  
① 33 4 92 00 3033  
✉ petit@obs-nice.fr

**Petitjean Patrick**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8150  
① 33 1 44 32 8001  
✉ petitjean@iap.fr

**Peton Alain**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
① 33 4 91 62 1190

**Petre Robert**  
NASA GSFC  
Code 666  
Greenbelt MD 20771  
USA  
☎ 1 301 286 3844  
① 1 301 286 1684  
✉ petre@lheavx.gsfc.  
nasa.gov

**Petri Winfried**  
Unterleiten 2  
Postfach 106  
D 83722 Schliersee  
Germany  
☎ 49 802 664 28

**Petrini Daniel**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
① 33 4 92 00 3033

**Petro Larry David**  
STSci  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4501  
① 1 301 338 1592  
✉ petro@stsci.edu

**Petropoulos Basil Ch**  
Res Ctr Astronomy  
Acad Athens  
14 Anagnostopoulou St  
GR 106 73 Athens  
Greece  
☎ 30 1 361 3589  
① 30 1 363 1606

**Petrosian Artashes R**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
① 374 88 52 52 3640  
✉ vahe@ipia.sci.am

**Petrosian Vahe**  
Ctr for Space Sci/  
Astrophysics  
Stanford Univ ERL 304  
Stanford CA 94305 4055  
USA  
☎ 1 415 723 1436  
① 1 415 723 4840  
✉ vahe@bigbang.  
stanford.edu

**Petrov G M**  
Nikolaev Observ  
Observatorna 1  
327030 Nikolaev  
Ukraine  
☎ 380 5123 75206  
① 380 5123 62420  
✉ root@mao.nikolaev.ua

**Petrov Gennadij M**  
Inst Radio/Electron  
Acad Sciences  
Marx Av 18  
103907 Moscow  
Russia

**Petrov Georgy Trendaflov**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd.  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
① 359 2 75 5019

**Petrov Peter P**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
① 380 6554 40704

**Petrovay Kristof**  
Astronomy Dpt  
Eotvos Univ  
Ludovika ter 2  
H 1083 Budapest  
Hungary  
☎ 36 1 114 1019  
① 36 1 210 1089  
✉ kris@innin.elte.hu

**Petrovskaya Irina**  
Astron Inst St Petersburg  
State Univ  
Bibliotchnaya Pl 2  
St Petersburg 198904  
Russia  
☎ 7 812 428 4268  
① 7 812 428 4677/7129  
✉ ivp@aispbu.spb.su

**Petrovskaya Margarita S**  
Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
191187 St Petersburg  
Russia  
☎ 7 812 278 8898  
① 7 812 272 7968

**Pettengill Gordon H**  
Ctr for Space Res  
MIT Rm 37 641  
Box 165  
Cambridge MA 02139 4307  
USA  
☎ 1 617 253 4281  
① 1 617 253 0861  
✉ ghp@space.mit.edu

**Petersen Bjoern Ragnvald**  
Geodetic Inst  
Norw Mapping Authority  
N 3500 Høyefoss  
Norway  
☎ 47 32 11 8100  
① 47 32 11 8101  
✉ bjornrp@gdiv.statkart.no

**Pettini Marco**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52282  
① 39 55 22 0039

**Pettini Max**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
① 44 12 23 374 700

**Petuchowski Samuel J**  
Bromberg/Sunstein LLP  
125 Summer St  
Boston MA 02146  
USA  
☎ 1 617 443 9292  
① 1 617 353 3200  
✉ spetuchowski@bromsun.com

**Pevtsov Alexei A**  
Physics Dpt  
Montana State Univ  
Bozeman MT 59717 0350  
USA  
☎ 1 406 994 7839  
① 1 406 994 4452  
✉ pevtsov@physics.montana.edu

**Peyturaux Roger H**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8007  
① 33 1 44 32 8001

**Pfau Werner**  
Astrophysik Inst  
Univ Sternwarte  
Schillergaesschen 2  
D 07745 Jena  
Germany  
☎ 49 364 163 0320  
① 49 364 163 0417  
✉ pfau@astro.uni-jena.de

**Pfeiffer Raymond J**  
8 Barbara Lane  
Titusville NJ 08560  
USA  
☎ 1 609 883 4612

**Pfennig Hans H**  
Birnbaumweg 1  
D 29223 Celle  
Germany

**Pfenniger Daniel**  
Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauverny  
Switzerland  
☎ 41 22 755 2611  
① 41 22 755 3983  
✉ Daniel.pfenniger@obs.unige.ch

**Pfeiderer Jorg**  
Inst Astronomie  
Technikerstr 15  
A 6020 Innsbruck  
Austria  
☎ 43 512 507 6030  
① 43 512 507 2923  
✉ chef@ast1.uibk.ac.at

**Pflug Klaus**  
ZntrInst Astrophysik  
Sternwarte Sonnenberg  
Rosa Luxemburg Str 17a  
D 14473 Potsdam  
Germany  
☎ 49 331 275 3731

**Pham-Van Jacqueline**  
OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 36 5849  
① 33 4 93 40 5353

**Phelps Randy L**  
Carnegie Observatories  
813 Santar Barbara St  
Pasadena CA 91101 1292  
USA  
☎ 1 818 304 0247  
① 1 818 795 8136  
✉ phelps@ociw.edu

**Philip A G Davis**  
1125 Oxford Pl  
Schenectady NY 12308  
USA  
☎ 1 518 374 5636  
① 1 518 346 5781  
✉ agdp@union.edu

**Phillips John G**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 415 642 5275  
① 1 510 642 3411

**Phillips John Peter**  
Astrophysics Group  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5555  
① 44 181 975 5500

**Phillips Kenneth J H**  
Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 446 424  
① 44 12 35 446 667  
✉ philips@solg2.bnsc.rl.ac.uk

**Phillips Mark M**  
NOAO  
CTIO  
Casilla 603  
La Serena  
Chile  
☎ 56 51 22 5415  
① 56 51 20 5342

**Phillips Thomas Gould**  
CALTECH  
MS 320 47  
Pasadena CA 91125  
USA  
☎ 1 818 356 4278

**Piacentini Ruben**  
Observ Astronomico  
de Rosario  
Cc 606  
2000 Rosario  
Argentina  
☎ 54 41 63 084  
① 54 41 63 084  
✉ ruben@uunet.uu.net

**Platti Andres Eduardo**  
Observ Astronomico  
de Cordoba  
Laprida 854  
5000 Cordoba  
Argentina  
☎ 54 51 331 064  
① 54 51 331 063  
✉ andres@oac.uncor.edu

**Piazza Liliana Rizzo**  
CRAAE INPE  
EPUSP/PTR  
CP 61548  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 815 9322\*3620  
① 55 11 815 6289

**Picat Jean-Pierre**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
① 33 5 61 27 3179

**Picca Domenico**  
Dpt Fisica  
Univ d Bari  
I 70123 Bari  
Italy  
☎ 39 80 24 3215  
① 39 80 24 2434

**Picconi Adalberto**  
Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 401  
① 39 51 259 407

**Pick Monique**  
Observ Paris Meudon  
DASOP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7811  
① 33 1 45 07 7959

**Pickles Andrew John**  
Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 6756  
① 1 808 988 2790  
✉ pickles@ifa.hawaii.edu

**Piddington Jack H Res Fel**  
CSIRO NnML  
Lindfield  
Sydney NSW 2070  
Australia  
☎ 61 2 9467 6211  
① 61 2 660 2903

**Pier Jeffrey R**  
USNO  
Flagstaff Station  
Box 1149  
Flagstaff AZ 86002 1149  
USA  
☎ 1 602 779 5132  
① 1 520 774 3626

**Pierce A Keith**  
NOAO/NSO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
① 1 520 325 9360

**Pierce David Allen**  
7706 Wasitawn Av  
Los Angeles CA 90045  
USA

**Pierre Marguerite**  
DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 3492  
① 33 1 69 08 6577  
✉ mpierre@cea.fr

**Pigatto Luisa**  
Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
① 39 49 875 9840

**Pigulski Andrzej**  
Astronomical Institute  
Wroclaw Univ  
Ul Kopernika 11  
PL 51 622 Wroclaw  
Poland  
☎ 48 71 372 9373/74  
① 48 71 372 9378  
✉ pigulski@astro.uni.wroc.pl

**Pirola Vilppu E**  
Turku Univ  
Tuorla Observ  
Vaeisaelentie 20  
FIN 21500 Piikkiö  
Finland  
☎ 358 2 274 4274  
① 358 2 243 3767  
✉ vilppu.pirola@astro.utu.fi

**Pijpers Frank Peter**  
Inst Phys/Astronomy  
Univ of Aarhus  
Ny Munkegade  
DK 8000 Aarhus C  
Denmark  
☎ 45 89 423 714  
① 45 86 12 0740  
✉ fpp@aaubs.obs.aau.dk

**Pike Christopher David**  
Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 821 900  
① 44 12 35 44 5808

**Pikichian Hovhannes**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
① 374 88 52 52 3640

**Pilachowski Catherine**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
① 1 520 325 9360  
✉ catyp@noao.edu

**Pilcher Carl Bernard**  
233 Kent Oaks Way  
Gaithersburg MD 20878  
USA

**Pilkington John D H**  
22 Hawthylands Cres  
Hailsham  
East Sussex BN27 1 HG  
UK  
✉ jdhp@mail.ast.cam.  
ac.uk

**Pillinger Colin**  
Dpt Earth Sci  
The Open University  
Walton Hall  
Milton Keynes MK7 6AA  
UK  
☎ 44 190 865 2119  
① 44 190 865 5910

**Pilyugin Leonid**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
① 380 4426 62147

**Pineau des Forets Guillaume**  
Observ Paris Meudon  
DAEC  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7454  
① 33 1 45 07 7469  
✉ forets@obspm.fr

**Pineault Serge**  
Dpt d Physique  
Universite Laval  
Sainte Foy QC G1K 7P4  
Canada  
☎ 1 416 656 3901  
① 1 418 656 2040  
✉ pineault@phy.  
ulaval.ca

**Pineda de Carias Maria Cristina**  
CAAOS  
UNAH  
Apdo 4432  
Tegucigalpa MDC  
Honduras  
☎ 504 32 21 10\*230  
① 504 31 95 08  
✉ mpineda@ns.  
hondunet.net

**Pines David**  
Physics Dpt  
Univ of Illinois  
1110 W Green St  
Urbana IL 61801 3080  
USA  
☎ 1 217 333 0115  
① 1 217 244 7638

**Pingree David**  
Brown Univ  
Box 1900  
Providence RI 02912  
USA  
☎ 1 401 863 2101

**Piginin Gennadij I**  
Nikolaev Observ  
Observatorna 1  
327030 Nikolaev  
Ukraine  
☎ 380 5123 75206  
① 380 5123 62420  
✉ root@mao.nikolaev.ua

**Pinkau K**  
MPI Plasmaphysik  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 342  
① 49 893 299 3235

**Pinotsis Antonis D**  
Astronomy Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414  
① 30 1 723 5122

**Pinsonneault Marc Howard**  
Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 292 5346  
① 1 614 292 2928  
✉ pinsono@payne.mps.  
ohio.state.edu

**Pintado Olga Ines**  
Instituto Fisica  
Univ Nacional Tucuman  
Congreso 330 7B  
San Miguel de Tucuman  
Argentina  
☎ 54 81 229073  
① 54 81 228255  
✉ opintado@tucbbs.  
com.ar

**Pinto Girolamo**  
Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
① 39 49 875 9840

**Pinto Philip Alfred**  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 8678  
① 1 520 621 1532  
✉ ppinto@as.arizona.edu

**Piotto Giampaolo**  
Dpt Astronomia  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3435  
① 39 49 875 9840  
✉ piotto@astrpd.pd.astro.it

**Pipher Judith L**  
Dpt Phys/Astronomy  
Univ of Rochester  
Rochester NY 14627 0171  
USA  
☎ 1 716 275 4402  
① 1 716 275 8527  
✉ jlipher@sherman.pas.  
rochester.edu

**Piro Luigi**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
① 39 6 2066 0188  
✉ persi@alpha1.rm.  
fra.cnr.it

**Pirronello Valerio**  
Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 21111  
① 39 95 33 0592

**Piskunov Anatoly E**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
① 7 095 230 2081  
✉ piskunov@inasan.  
rssi.ru

**Piskunov Nikolai E**  
Astronomical Observ  
Box 515  
S 751 20 Uppsala  
Sweden  
☎ 46 18 51 4490  
① 46 18 52 7583  
✉ piskunov@astro.uu.se

**Pismis de Recillas Paris**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 04510  
① 52 5 616 0653

**Pittich Eduard M**  
Astronomical Institute  
Slovak Acad Sci  
Dubravska 9  
SK 842 28 Bratislava  
Slovak Republic  
☎ 421 7 37 5157  
① 421 7 37 5157  
✉ pittich@savba.sk

**Pitz Eckhart**  
MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 81  
① 49 622 152 8246

**Pizzella G**  
Dpt Fisica  
Univ d Roma  
PI A Moro 2  
I 00185 Roma  
Italy  
☎ 39 6 49 40156  
① 39 6 202 3507

**Pizzichini Graziella**  
TeSRE  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 8694  
① 39 51 639 8724  
✉ graziella@astbo1.bo.cnr.it

**Planesas Pere**  
Observ Astronomico  
Nacional  
Apt 1143  
E 28800 Alcalá d Henares  
Spain  
☎ 34 1 885 5060  
① 34 1 885 5062  
✉ planesas@oan.es

**Plassarid J**  
Ksara Observ  
Ksara  
Lebanon

**Plastino Angel Ricardo**  
Observ Astronomico  
Paseo d Bosque S/n  
CC 727  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 523 995  
① 54 21 258 138  
✉ plastino@fcaglp.fcaglp.unlp.  
edu.ar

**Platais Imants K**  
Astronomy Dpt  
Yale Univ  
Box 208101  
New Haven CT 06520 8101  
USA  
☎ 1 203 432 3021  
① 1 203 432 5048  
✉ imants@astro.yale.edu

**Plavec Mirek J**  
Dpt Astronomy/Phys  
UCLA  
Box 951562  
Los Angeles CA 90025 1562  
USA  
☎ 1 310 825 1672  
① 1 310 206 2096

**Plavec Zdenka**  
Dpt Astronomy/Phys  
UCLA  
Box 951562  
Los Angeles CA 90025 1562  
USA  
☎ 1 310 206 8596  
① 1 310 206 2096

**Plez Bertrand**  
Atomspektroskopi  
Fysiska Inst  
Box 118  
S 221 00 Lund  
Sweden  
☎ 46 46 12 6097  
① 46 46 10 4709  
✉ plez@ferrum.fysik.  
lu.se

**Plionis Manolis**  
Astronomical Institute  
Ntl Observ Athens  
Box 20048  
GR 118 10 Athens  
Greece  
☎ 30 1 346 1191  
① 30 1 346 4566  
✉ plionis@sapfo.astro.  
noa.gr

**Pneuman Gerald W**  
550 Roe Rd  
Paradise CA 95969  
USA

**Podsiadlowski Philipp**  
Oxford Univ  
Nuclear/Astrophysics Lab  
Keble Rd  
Oxford OX1 3RH  
UK  
☎ 44 186 527 3343  
① 44 186 527 3390  
✉ podso@astro.ox.  
ac.uk

**Poekert Roland H**  
Defense Res  
Establishment Pacific  
Fmo Cfb Esquimalt  
Victoria BC V0S 1B0  
Canada

**Poedts Stefaan**  
Ctr Plasma Astrophys  
Katholieke Univ Leuven  
Celestijnenlaan 200B  
B 3001 Heverlee  
Belgium  
☎ 32 16 327 023  
① 32 16 32 7999  
✉ stefaan.poedts@wis.  
kuleuven.ac.be

**Poepfel Wolfgang G I**  
IAR  
CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 254 909/21 87 0230  
① 54 21 254 909  
✉ wpoepfel@irma.edu.ar

**Pogge Richard William**  
Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 292 0279  
① 1 614 292 2928  
✉ pogge@payne.mps.ohio-  
state.edu

**Pogodin Mikhail A**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4400  
① 7 812 314 3360  
✉ pogodin@pulkovo.  
spb.su

**Pojmanski Grzegorz**  
Astronomical Observ  
Warsaw Univ  
Al Ujazdowskie 4  
PL 00 478 Warsaw  
Poland  
☎ 48 22 29 4011  
① 48 22 629 4967  
✉ gp@sirius.astron.  
edu.pl

**Pokorny Zdenek**  
N Copernicus Observ  
& Planetarium  
Kravi Hora  
CZ 616 00 Brno 16  
Czech R  
☎ 420 5 4132 1287  
✉ zpokorny@sci.muni.cz

**Pokrzywka Bartomiej**  
Mt Suhora Astronomical Obs  
Krakow Pedagogical Univ  
Ul Podchorazych 2  
PL 30 084 Krakow  
Poland  
☎ 48 12 374 777\*280  
① 48 12 372 243  
✉ sfpokrzy@cyf-kr.  
edu.pl

**Poland Arthur I**  
NASA GSFC  
Code 682  
Greenbelt MD 20771  
USA  
☎ 1 301 286 7334

**Polcaro V F**  
IAS  
Area d Ricerca CNR  
Via Fosco Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
① 39 6 2066 0188

**Polechova Pavla**  
Obs/Planetarium  
Petrin 205  
CZ 118 46 Praha 1  
Czech R  
☎ 420 2 53 53513  
① 420 2 258 940  
✉ Pavla.Polechov@  
ecn.cz

**Poletto Giannina**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52252  
① 39 55 22 0039

**Poliakov Eugene V**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4555  
① 7 812 315 1701  
✉ poliakov@gao.spb.su

**Polidan Ronald S**  
NASA GSFC  
Code 681 0  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5039  
① 1 301 286 8709

**Pollacco Don**  
Astrophysics Group  
Liverpool J M Univ  
Byrom St  
Liverpool L3 3AF  
UK  
☎ 44 151 231 2337  
① 44 151 231 2337  
✉ dlp@star1.livjm.ac.uk

**Pollard Karen**  
Dpt Phys/Astronomy  
Univ of Canterbury  
Private Bag 4800  
Christchurch 1  
New Zealand  
☎ 64 3 364 2987\*7579  
① 64 3 364 2469  
✉ k.pollard@phys.  
canterbury.ac.nz

**Pollas Christian**  
OCA  
Observ Calern/Caussole  
2130 r Observatoire  
F 06460 S Vallier Thiey  
France  
☎ 33 4 93 40 5437  
① 33 4 93 40 5433  
✉ pollas@ocar01.obs.  
azur.fr

**Polnitzky Gerhard**  
Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 345 36090  
① 43 1 470 6015

**Polosukhina-Chuvaeva Nina**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
① 380 6554 40704  
✉ polo@crao.crimea.ua.

**Polzhtentsev Dimitrij D**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4453  
① 7 812 123 1922  
✉ ddp@mahis.spb.su

**Polyachenko Valerij L**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 3980  
① 7 095 230 2081  
✉ iaas@node.ias.msk.su

**Polymilis Chronis**  
Astronomy Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414  
① 30 1 723 5122  
✉ spms0@grathun1

**Poma Angelo**  
Osserv Astronomico  
d Cagliari  
Poggio d Pini 54  
I 09012 Capoterra  
Italy  
☎ 39 70 725 246  
① 39 70 72 5425  
✉ poma@ca.astro.it

**Ponce G A**  
Apdo P 3023  
Tegucigalpa MDC  
Honduras  
☎ 504 327 196  
✉ gponce@ns.hondunet.net

**Pongracic Helen**  
School of Physics  
UNSW  
RCFTA  
Sydney NSW 2006  
Australia  
☎ 61 2 9351 2546  
① 61 2 660 2903  
✉ helenp@physics.su.oz.au

**Ponman Trevor**  
Dpt Space Res  
Univ Birmingham  
Box 363  
Birmingham B15 2TT  
UK  
☎ 44 12 14 72 1301

**Ponsonby John E B**  
 NRAL  
 Univ Manchester  
 Jodrell Bank  
 Macclesfield SK11 9DL  
 UK  
 ☎ 44 14 777 1321  
 ☎ 44 147 757 1618

**Poole Graham**  
 Dpt Phys/Electronics  
 Rhodes Univ  
 Box 94  
 6140 Grahamstown  
 South Africa  
 ☎ 27 461 318 454/318450  
 ☎ 27 461 250 49  
 ✉ phgp@ruchem.  
 ru.ac.za

**Pooley Guy**  
 MRAO  
 Cavendish Laboratory  
 Madingley Rd  
 Cambridge CB3 0HE  
 UK  
 ☎ 44 12 23 337 294  
 ☎ 44 12 23 354 599

**Pop Vasile**  
 Fac of Mathematics  
 Univ of Cluj Napoca  
 Str Kogalniceanu 1  
 RO 3400 Cluj Napoca  
 Rumania  
 ☎ 40 64 116 101  
 ☎ 40 64 194 592

**Popelar Josef**  
 Geodetic Survey Division  
 Canada Ctr for Survey  
 615 Booth St  
 Ottawa ON K1A 0E9  
 Canada

**Popescu Cristina Carmen**  
 Astronomical Institute  
 Romanian Acad Sciences  
 Cutitul de Argint 5  
 RO 75212 Bucharest  
 Rumania  
 ☎ 40 1 623 6892  
 ☎ 40 1 312 3391  
 ✉ popescu@levi.mpi-hd.  
 mpg.de

**Popescu Petre**  
 Astronomical Institute  
 Romanian Acad Sciences  
 Cutitul de Argint 5  
 RO 75212 Bucharest  
 Rumania  
 ☎ 40 1 641 3686  
 ☎ 40 1 312 3391  
 ✉ ppopescu@imar.ro

**Popov Michkail V**  
 Space Res Inst  
 Acad Sciences  
 Profsojuznaya Ul 84/32  
 117810 Moscow  
 Russia  
 ☎ 7 095 333 2512  
 ☎ 7 095 333 2378  
 ✉ pian@sovam.com

**Popov Vasil Nikolov**  
 Astronomy Dpt  
 Bulgarian Acad Sci  
 72 Lenin Blvd  
 BG 1784 Sofia  
 Bulgaria  
 ☎ 359 2 75 8927  
 ☎ 359 2 75 5019

**Popov Victor S**  
 Pulkovo Observ  
 Acad Sciences  
 10 Kutuzov Quay  
 196140 St Petersburg  
 Russia  
 ☎ 7 812 298 2242  
 ☎ 7 812 315 1701  
 ✉ gnedin@pulkovo.  
 spb.su

**Popovic Georgije**  
 Astronomical Observ  
 Volgina 7  
 11050 Beograd  
 Yugoslavia FR  
 ☎ 381 1 419 357  
 ☎ 381 1 419 553

**Popper Daniel M**  
 Dpt Astronomy/Phys  
 UCLA  
 Box 951562  
 Los Angeles CA 90025 1562  
 USA  
 ☎ 1 310 825 3622  
 ☎ 1 310 206 2096

**Poquerusse Michel**  
 Observ Paris Meudon  
 DESPA  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France  
 ☎ 33 1 45 07 7530  
 ☎ 33 1 45 07 2806

**Porcas Richard**  
 RAIUB  
 Univ Bonn  
 auf d Huegel 69  
 D 53121 Bonn  
 Germany  
 ☎ 49 228 525 282  
 ☎ 49 228 525 229  
 ✉ porcas@mpifr-bonn.  
 mpg.de

**Porceddu Ignazio E P**  
 Osserv Astronomico  
 d Cagliari  
 Poggio d Pini 54  
 I 09012 Capoterra  
 Italy  
 ☎ 39 70 72 5246  
 ☎ 39 70 72 5425  
 ✉ iporcedd@ca.astro.it

**Poretti Ennio**  
 Osserv Astronomico  
 d Milano  
 Via E Bianchi 46  
 I 22055 Merate  
 Italy  
 ☎ 39 990 6412  
 ☎ 39 990 8492  
 ✉ poretti@astmib.infn.it

**Porfir'ev Vladimir V**  
 Pedagogic Inst  
 Ministry of Education  
 107846 Moscow  
 Russia

**Porter Jason G**  
 NASA/MSFC  
 Space Science Lab  
 Code ES 52  
 Huntsville AL 35812  
 USA  
 ☎ 1 205 544 7607  
 ☎ 1 205 544 5862

**Porter Neil A**  
 Physics Dpt  
 Univ College  
 Belfield  
 Dublin 4  
 Ireland  
 ☎ 353 1 693 244\*211  
 ☎ 353 1 671 1759

**Porubcan Vladimir**  
 Astronomical Institute  
 Slovak Acad Sci  
 Dubravska 9  
 SK 842 28 Bratislava  
 Slovak Republic  
 ☎ 421 7 37 5157  
 ☎ 421 7 37 5157  
 ✉ astropor@savba.sk

**Postnov Konstantin A**  
 SAI  
 Acad Sciences  
 Universitetskij Pr 13  
 119899 Moscow  
 Russia  
 ☎ 7 095 939 5006  
 ☎ 7 095 932 8841  
 ✉ pk@sai.msu.su

**Pottasch Stuart R**  
 Kapteyn Sterrekundig Inst  
 Univ Groningen  
 Postbus 800  
 NL 9700 AV Groningen  
 Netherlands  
 ☎ 31 50 363 4073  
 ☎ 31 50 363 6100

**Potter Andrew E**  
 NASA/JSC  
 Code SN3  
 Houston TX 77058  
 USA  
 ☎ 1 713 483 5276  
 ☎ 1 713 483 5347

**Potter Heino I**  
 Pulkovo Observ  
 Acad Sciences  
 10 Kutuzov Quay  
 196140 St Petersburg  
 Russia  
 ☎ 7 812 123 4412  
 ☎ 7 812 123 1922  
 ✉ hip@aee.spb.su

**Poulakos Constantine**  
 Res Ctr Astronomy  
 Acad Athens  
 14 Anagnostopoulou St  
 GR 106 73 Athens  
 Greece  
 ☎ 30 1 361 3589  
 ☎ 30 1 363 1606

**Poulle Emmanuel**  
 Ecole Nlle des Chartes  
 19 r de La Sorbonne  
 F 75005 Paris  
 France  
 ☎ 33 1 45 89 4857

**Pounds Kenneth A**  
 Dpt Phys/X-Ray Astron  
 Univ Leicester  
 University Rd  
 Leicester LE1 7RH  
 UK  
 ☎ 44 116 252 2073  
 ☎ 44 116 250 182

**Pouquet Annick**  
 OCA  
 Observ Nice  
 BP 139  
 F 06304 Nice Cdx 4  
 France  
 ☎ 33 4 92 00 3057  
 ☎ 33 4 92 00 3033  
 ✉ pouquet@rameau.obs-nice.fr

**Poutanen Juri**  
 Astronomical Observ  
 Box 515  
 S 751 20 Uppsala  
 Sweden  
 ☎ 46 18 50 8331  
 ☎ 46 18 52 7583  
 ✉ juri@astro.uu.se

**Poveda Arcadio**  
 Instituto Astronomia  
 UNAM  
 Apt 70 264  
 Mexico DF 04510  
 Mexico  
 ☎ 52 5 622 3906  
 ☎ 52 5 616 0653

**Povel Hanspeter**  
 Inst Astronomie  
 ETH Zentrum  
 CH 8092 Zuerich  
 Switzerland  
 ☎ 41 1 632 4222  
 ☎ 41 1 632 1205  
 ✉ povel@astro.phys.ethz.ch

**Poyet Jean-Pierre**  
 OMP  
 14 Av E Belin  
 F 31400 Toulouse Cdx  
 France  
 ☎ 33 5 61 25 2101  
 ☎ 33 5 61 27 3179

**Prabhakaran Nayar S R**  
 Physics Dpt  
 Univ of Kerala  
 Kariyavattom  
 Trivandrum 695 581  
 India  
 ☎ 91 471 41 8920

**Prabhu Tushar P**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 0672  
☎ 91 80 553 4043  
✉ tpp@iiap.ernet.in

**Praderie Francoise**  
Observ Paris  
DEMIRM  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2116  
☎ 33 1 40 51 2002

**Pradhan Anil**  
Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 292 5850  
☎ 1 614 292 2928  
✉ pradhan@ohstpy

**Prantzios Nikos**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8188  
☎ 33 1 44 32 8001  
✉ nikos@friap51

**Prasad Sheo S**  
Lockheed Palo Alto Res Lb  
Dpt 91 20 Bg 255  
3251 Hanover St  
Palo Alto CA 94304 1191  
USA  
☎ 1 415 424 2659  
☎ 1 415 424 3333

**Prasanna A R**  
PRL  
Navrangpura  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
☎ 91 272 44 5292

**Pratap R**  
Inst Applied Sciences  
Cochin 682 317  
India

**Pravdo Steven H**  
CALTECH/JPL  
MS 168 222  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 4134  
☎ 1 818 393 6030

**Predeanu Irina**  
Astronomical Institute  
Romanian Acad Sciences  
Cutilul de Argint 5  
RO 75212 Bucharest  
Rumania  
☎ 40 1 641 3686  
☎ 40 1 312 3391  
✉ ipredeanu@imar.ro

**Preite Martinez Andrea**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
☎ 39 6 2066 0188  
✉ andrea@saturn.ias.  
fra.cnr.it

**Preka-Papadema P**  
Astrophysics Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 723 5122  
☎ 30 1 723 5122  
✉ spm75@grathun1

**Prendergast Kevin H**  
Astronomy Dpt  
Columbia Univ  
538 W 120th St  
New York NY 10027  
USA  
☎ 1 212 280 3280  
☎ 1 212 316 9504

**Prentice Andrew J R**  
Mathematics Dpt  
Monash Univ  
Wellington Rd  
Clayton VIC 3168  
Australia  
☎ 61 3 541 0811

**Press William H**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 4908  
☎ 1 617 495 7356

**Preston George W**  
Carnegie Observatories  
813 Santa Barbara St  
Pasadena CA 91101 1292  
USA  
☎ 1 818 577 1122  
☎ 1 818 795 8136  
✉ gwp@ociw.edu

**Preston Robert Arthur**  
CALTECH/JPL  
MS 138 307  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 6895  
☎ 1 818 393 4965  
✉ rap@sgra.jpl.nasa.gov

**Preuss Eugen**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 1  
☎ 49 228 525 229  
✉ epreuss@mpifr-  
bonn.mpg.de

**Prevot Louis**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
☎ 33 4 91 62 1190  
✉ lprevot@obsmara.  
cnrs-mrs.fr

**Prevot-Burnichon Marie-Louise**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
☎ 33 4 91 62 1190

**Prialnik-Kovetz Dina**  
Dpt Geophysics/Planet Sci  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 545 0633  
☎ 972 3 640 9282

**Price Michael J**  
Science Applications  
5151 E Broadway  
Suite 1100  
Tucson AZ 85711  
USA  
☎ 1 520 748 7400

**Price R Marcus**  
Dpt Phys/Astronomy  
Univ New Mexico  
800 Yale Blvd Ne  
Albuquerque NM 87131  
USA  
☎ 1 505 277 2616

**Price Stephan Donald**  
USAF Phillips Lab/GPSG  
Boston College  
Hanscom AFB MA 01731 3010  
USA  
☎ 1 617 377 4552  
☎ 1 617 377 3138  
✉ price@ph.af.mil

**Priest Eric R**  
Applied Maths Dpt  
Univ of St Andrews  
North Haugh  
St Andrews Fife KY16 9SS  
UK  
☎ 44 1334 76161\*815  
☎ 44 1334 74487  
✉ eric@cs.st-andrews.ac.uk

**Priester Wolfgang**  
IAEF  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany  
☎ 49 228 73 3671  
☎ 49 228 73 3672

**Prieto Cristina**  
Univ d Vigo  
Dpt Matemat Aplicada  
EUITI  
E Vigo  
Spain  
✉ oacris@usc.es

**Prieto Mercedes**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Priour Jean-Louis**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 33 2929  
☎ 33 5 61 53 6722

**Prince Helen Dodson**  
4800 Fillmore Av  
Alexandria VA 22311  
USA  
☎ 1 703 578 1000

**Pringle James E**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
☎ 44 12 23 337 523

**Prinja Raman**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050  
☎ 44 171 380 7145

**Pritchett Christopher J**  
Physics Dpt  
Univ of Victoria  
Box 1700  
Victoria BC V8W 2Y2  
Canada  
☎ 1 250 721 7704  
☎ 1 250 721 7715

**Probst R F**  
Dpt Mechan Eng  
MIT  
Box 165  
Cambridge MA 02139  
USA  
☎ 1 617 253 2240

**Prochazka Franz V**  
Inst Interdisziplinare  
Forschung/Fortbildung  
Sterneckstr 15  
A 9010 Klagenfurt  
Austria  
☎ 43 463 2700 754  
☎ 43 463 2700 759  
✉ franz.prochazka@  
uni-klu.ac.at

**Prodan Yuri I**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 139 5543  
☎ 7 095 939 0126

**Proffitt Charles R**

NASA GSFC  
Code 684 9  
Greenbelt MD 20771  
USA  
☎ 1 301 286 3608  
☎ 1 301 286 7642  
✉ proffitt@iuesoc.gsfc.  
nasa.gov

**Proisy Paul E**

Observ Lyon  
Av Ch Andre  
F 69561 S Genis Laval cdx  
France  
☎ 33 4 78 56 0705  
☎ 33 4 72 39 9791

**Prokakis Theodore J**

Astronomical Institute  
Ntl Observ Athens  
Box 20048  
GR 118 10 Athens  
Greece  
☎ 30 1 346 1191/1 804 0619  
☎ 30 1 346 4566

**Prokof'eva Valentina V**

Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
☎ 380 6554 40704

**Prokof-Eva Irina A**

Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
☎ 7 812 315 1701

**Pronik I I**

Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
☎ 380 6554 40704

**Pronik V I**

Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
☎ 380 6554 40704

**Prosser Charles Franklin**

NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 318 8411  
☎ 1 520 318 8360  
✉ cprosser@noao.edu

**Proszynski Mieczyslaw**

Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
☎ 48 22 121 273

**Protheroe Raymond J**

Physics Dpt  
Univ of Adelaide  
Box 498  
Adelaide SA 5001  
Australia  
☎ 61 8 228 5996

**Protheroe William M**

Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 422 7891  
☎ 1 614 292 2928

**Protich Milorad B**

Astronomical Observ  
Volgina 7  
11050 Beograd  
Yugoslavia FR  
☎ 381 1 402 365  
☎ 381 1 419 553

**Proust Dominique**

Observ Paris Meudon  
DAEC  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7411  
☎ 33 1 45 07 7469  
✉ proust@obsppm.fr

**Proverbio Edoardo**

Osserv Astronomico  
d Brera  
Via Brera 28  
I 20121 Milano  
Italy  
☎ 39 2 723 201  
☎ 39 2 720 01600  
✉ proverbio@astrco.astro.it

**Provost Janine**

OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
☎ 33 4 92 00 3033

**Prusti Timo**

ESA  
Apt 50727 Villafranca  
E 28080 Madrid  
Spain  
☎ 34 1 813 1248  
☎ 34 1 813 1308  
✉ tprusti@iso.vilspa.  
esa.es

**Pryce Maurice H I**

Physics Dpt  
UBC  
2075 Wesbrook Pl  
Vancouver BC V6T 1W5  
Canada  
☎ 1 604 228 6417  
☎ 1 604 228 5324

**Pryor Carlton Philip**

Dpt Phys/Astronomy  
Rutgers Univ  
Box 849  
Piscataway NJ 08854 0849  
USA  
☎ 1 908 932 5462  
☎ 1 908 932 4343  
✉ pryor@pryor.  
rutgers.edu

**Pskovskij Juri P**

SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 139 3721  
☎ 7 095 939 0126

**Puche Daniel**

Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7344  
☎ 1 617 495 7014  
✉ dpuche@cfa.  
harvard.edu

**Pucillo Mauro**

OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 31 99255  
☎ 39 40 30 9418  
✉ pucillo@oat.ts.astro.it

**Puerari Ivanio**

INAOE  
Tonantzintlaz  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico  
☎ 52 2 247 2011  
☎ 52 2 247 2231  
✉ puerari@inaoep.mx

**Puetter Richard C**

CASS  
UCSD  
C 011  
La Jolla CA 92093 0216  
USA  
☎ 1 619 534 4995  
☎ 1 619 534 2294

**Pugach Alexander F**

Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 64771  
☎ 380 4426 62147

**Puget Jean-Loup**

IAS  
Bt 121  
Universite Paris XI  
F 91405 Orsay Cdx  
France  
☎ 33 1 69 85 8500  
☎ 33 1 69 85 8675

**Pugliano Antonio**

Ist Universitario Navale  
Via Acton 38  
I 80133 Napoli  
Italy  
☎ 39 81 551 2330  
☎ 39 81 552 1485  
✉ pugliano@naval.uniav.it

**Puls Joahim**

Inst Astron/Astrophysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 220 9436  
☎ 49 899 220 9427

**Punetha Lalit Mohan**

Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136

**Purton Christopher R**

DRAO  
NRCC/HIA  
Box 248  
Penticton BC V2A 6K3  
Canada  
☎ 1 250 493 2277  
☎ 1 250 493 7767

**Puschell Jeffery John**

Lockheed Martin A&NS  
103 Chesapeake Park Plaza  
Baltimore MD 21220 4295  
USA

**Pushkin Sergey B**

Time/Frequency Service  
Gosstandard Ussr  
117049 Moscow  
Russia

**Pustynnik Izold B**

Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia  
☎ 372 7 410 465  
☎ 372 7 410 205  
✉ izold@aai.ee

**Pyatunina Tamara B**

Inst Appl Astronomy  
Acad Sciences  
Zhdanovskaya St 8  
197042 St Petersburg  
Russia  
☎ 7 812 230 7414  
☎ 7 812 230 7413  
✉ ptb@ipa.rssi.ru

**Pye John P**

Dpt Phys/X-Ray Astron  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
📠 44 116 250 182

**Pyper Smith Diane M**

Physics Dpt  
Univ of Nevada  
4505 S Maryland Parkway  
Las Vegas NV 89154  
USA  
☎ 1 702 739 3653  
📠 1 702 739 0804



## Q

**Qi Guanrong**

Shaanxi Observ  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 33 2255  
① 86 9237 3496

**Qian Bochen**

Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Qian Shanjie**

Beijing Astronomical Obs  
CAS  
W Suburb  
Beijing 100080  
China PR  
☎ 86 1 28 2194  
① 86 1 256 10855

**Qian Zhihan**

Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Qiao Guojun**

Dpt Geophysics  
Beijing Univ  
Beijing 100871  
China PR  
☎ 86 1 28 2471\*3888  
① 86 1 25 64095

**Qin Dao**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
① 86 25 301 459

**Qin Songnian**

Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
① 86 871 717 1845

**Qin Zhihai**

Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 34651\*2882  
① 86 25 330 2728

**Qiu Puzhang**

Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
① 86 871 717 1845

**Qiu Yaohui**

Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 335 7813  
① 86 871 391 1845  
✉ gfb@public.km.yn.cn

**Qiu Yuhai**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 1085

**Qu Qinyue**

Astronomy Dpt  
Nanjing Univ  
22 Hankou Lu  
Nanjing 210093  
China PR  
☎ 86 25 637 551\*3186  
① 86 25 302 728

**Quamar Jawaid**

Univ of Karachi  
C 6 Staff Town  
Karachi 75270  
Pakistan  
☎ 92 46 54 91  
✉ bartel@sgl.ists.ca

**Quan Hejun**

Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Quarta Maria Lucia**

IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
① 55 11 276 3848

**Quast Germano Rodrigo**

Observ Nacional  
Rua Colonel Renno 07  
CP 21  
37500 Itajuba Mg  
Brazil  
☎ 55 356 22 0788

**Queloz Didier**

Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauverny  
Switzerland  
☎ 41 22 755 2611  
① 41 22 755 3983  
✉ didier.queloz@obs.unige.ch

**Quemerais Eric**

Service Aeronomie  
BP 3  
F 91371 Verrieres Buisson  
France  
☎ 33 1 64 47 4317  
① 33 1 69 20 2999  
✉ eric.quemerais@aerov.jussieu.fr

**Quenby John J**

Astrophysics Gr  
Imperial Coll  
Prince Consort Rd  
London SW7 2BZ  
UK  
☎ 44 171 594 7771  
① 44 171 594 7772

**Querci Francois R**

OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 33 2879  
① 33 5 61 53 2840  
✉ querci@astro.obs-mip.fr

**Querci Monique**

OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 33 2879  
① 33 5 61 53 2840  
✉ querci@astro.obs-mip.fr

**Quesada Vinicio**

Stazione Astronomica  
Univ d Cagliari  
Via Ospedale 72  
I 09124 Cagliari  
Italy  
☎ 39 70 66 3544  
① 39 70 65 7657

**Quinn Peter**

MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 490 272  
① 61 262 490 233  
✉ pjq@minuet.anu.oz.au

**Quintana Hernan**

Gr Astrofisica  
Univ Catolica  
Casilla 104  
Santiago 22  
Chile  
☎ 56 2 686 4938  
① 56 2 686 4948  
✉ hquintana@astrouc.puc.cl

**Quintana Jose M**

Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1300  
① 34 5 881 4530

**Quirk William J**

LLNL  
L 389  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 415 422 1852  
① 1 415 422 24563  
✉ quirk@pop.net

## R

**Raadu Michael A**  
Dpt Plasma Physics  
Royal Inst of Technology  
S 100 44 Stockholm 70  
Sweden  
☎ 46 87 90 6000  
✉ raadu@plasma.kth.se

**Rabbia Yves**  
OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 36 5849  
☎ 33 4 93 40 5353

**Rabin Douglas Mark**  
NOAO/NSO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 325 9331  
☎ 1 520 325 9360  
✉ rabin@noao.edu

**Raboli Monica**  
Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
☎ 54 21 211 761

**Rachkovsky D N**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
☎ 380 6554 40704

**Racine Rene**  
Dpt d Physique  
Universite Montreal  
CP 6128 Succ A  
Montreal QC H3C 3J7  
Canada  
☎ 1 514 343 6718  
☎ 1 514 343 2071

**Radford Simon John E**  
NRAO  
Campus Bg 65  
949 N Cherry Av  
Tucson AZ 85721 0655  
USA  
☎ 1 520 882 8250\*125  
☎ 1 520 882 7955  
✉ sradford@nrao.edu

**Radhakrishnan V**  
Astronomical Institute  
Univ of Amsterdam  
Kruislaan 403  
NL 1098 SJ Amsterdam  
Netherlands  
☎ 31 20 525 7491/2  
☎ 31 20 525 7484  
✉ rad@astro.uva.nl

**Radick Richard R**  
AFGL  
NSO  
Sunspot NM 88349  
USA  
☎ 1 505 434 1390  
☎ 1 504 434 7029

**Radiman Iratius**  
Bosscha Observ  
ITB Lembang  
Lembang 40391  
Indonesia  
☎ 62 22 229 6001  
☎ 62 22 278 7289

**Radoski Henry R**  
AFOSR/NP  
NSO  
Bolling Air Force Base  
Washington DC 20332  
USA  
☎ 1 202 767 4906

**Radu Eugenia**  
Astronomical Observ  
Romanian Acad Sciences  
Ul Ciresilor 19  
RO 3400 Cluj Napoca  
Romania  
☎ 40 64 194 592  
☎ 40 64 194 592

**Raedler K H**  
Zntrlnst Astrophysik  
Sternwarte Babalsberg  
Rosa Luxemburg Str 17a  
D 14473 Potsdam  
Germany  
☎ 49 331 275 3731

**Rafanelli Piero**  
Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
☎ 39 49 875 9840

**Rafert James Bruce**  
Dpt Phys/Space Sci  
Florida Inst Techn  
150 W University Blvd  
Melbourne FL 32901  
USA  
☎ 1 407 768 8000  
☎ 1 407 984 8461

**Rafferty Theodore J**  
USNO  
Astrometry Dpt  
3450 Massachusetts Av NW  
Washington DC 20392 5400  
USA  
☎ 1 202 762 1471  
☎ 1 202 653 1497  
✉ tjr@sicon.usno.navy.mil

**Raghavan Nirupama**  
IIT  
6 West Av  
New Delhi 110 016  
India

**Raharto Moedji**  
Astronomy Dpt  
Bandung Inst Techn  
Jl Ganesha 10  
Bandung 40132  
Indonesia  
☎ 62 22 244 0252  
☎ 62 22 2505442

**Rahunen Timo**  
Tampereen Saerkaenniemi Oy  
Saerkaenniemi  
FIN 33230 Tampere  
Finland  
☎ 358 3 131 333

**Raikova Donka**  
Astronomy Dpt  
Bulgarian Acad Sci  
7th November St 1  
BG 1000 Sofia  
Bulgaria  
☎ 359 2 80 2831  
☎ 359 2 80 2831

**Raimond Ernst**  
NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 521 59 5100  
☎ 31 52 159 7332  
✉ exr@nfra.nl

**Raine Derek J**  
Astronomy Dpt  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
☎ 44 113 252 2200

**Raitala Jouko T**  
Astronomy Dpt  
Univ of Oulu  
Box 333  
FIN 90570 Oulu  
Finland  
☎ 358 81 553 1945  
☎ 358 81 553 1934  
✉ jouko.raitala@oulu.fi

**Rajamohan R**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6497/6585  
☎ 91 80 553 4043

**Rajchl Jaroslav**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 745  
☎ 420 2 88 1611  
✉ astmph@csearn

**Raju P K**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585  
☎ 91 80 553 4043

**Raju Vasundhara**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 0672 \*76  
☎ 91 80 553 4043  
✉ rvvas@iiap.ernet.in

**Rakavy Gideon**  
Einstein Inst of Phys  
Hebrew Univ Jerusalem  
Jerusalem 91904  
Israel

**Rakos Karl D**  
Inst Astronomy  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 345 36095  
📠 43 1 470 6015

**Rakshit H**  
Bengal Engineerg College  
Sibpore  
Hewrah  
India

**Ram Sagar**  
Uttar Pradesh State  
Observ  
Monora Peak  
Nainital 263 129  
India  
☎ 91 5942 35136/35583  
📠 91 5942 35583/36281  
✉ sagar@upso.ernet.in

**Ramadurai Souriraja**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 495 2311  
📠 91 22 495 2110

**Ramamurthy Swaminathan**  
CASA  
Univ of Osmania  
Hyderabad 500 007  
India  
☎ 91 868951\*247

**Ramana Murthy P V**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 495 2979  
📠 91 22 495 2110  
✉ ralmana@tifrvax

**Ramaty Reuven**  
NASA GSFC  
Code 665  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8715

**Ramella Massimo**  
OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 31 99255  
📠 39 40 30 9418

**Rampazzo Roberto**  
Osserv Astronomico  
d Brera  
Via Brera 28  
I 20121 Milano  
Italy  
☎ 39 2 723 20319  
📠 39 2 720 01600  
✉ rampazzo@brere.mi.astro.it

**Ramsey Lawrence W**  
Astronomy Dpt  
Pennsylvania State Univ  
525 Davey Lab  
University Park PA 16802  
USA  
☎ 1 814 865 0418  
📠 1 814 863 7114

**Randic Leo**  
Geodetical Faculty  
Univ of Zagreb  
Horvatovac BB  
HR 10000 Zagreb  
Croatia  
☎ 385 1 420 222  
📠 385 1 432 462

**Rangarajan K E**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 0672  
📠 91 80 553 4043  
✉ rangaraj@iiap.ernet.in

**Ranieri Marcello**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
📠 39 6 2066 0188

**Rank David M**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 429 2277  
📠 1 831 426 3115

**Rankin Joanna M**  
Physics Dpt  
Univ of Vermont  
A405 Cook Building  
Burlington VT 05405  
USA  
☎ 1 802 656 2644  
✉ rankin@merlin.uvm-gen.uvm.edu

**Rao A Pramesh**  
NCRA/TIFR  
Pune Univ Campus Pb 3  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 33 7107  
📠 91 212 33 5760

**Rao Arikkala Raghurama**  
TIFR/Space Phys Gr  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 215 2971  
📠 91 22 215 2110  
✉ arrao@tifrvax.tifr.res.in

**Rao D Mohan**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 0672  
📠 91 80 553 4043  
✉ mohan@iiap.ernet.in

**Rao K Narahari**  
Physics Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 422 6505

**Rao K Ramanuja**  
C/o Dr K Surendra  
Rua Cel Joao Cursino 210  
Apt 92 Vila Adyana  
12200 S Jose dos Campos  
Brazil

**Rao M N**  
PRL  
Navrangpura  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
📠 91 272 44 5292

**Rao N Kameswara**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585  
📠 91 80 553 4043

**Rao P Vivekananda**  
Astronomy Dpt  
Univ of Osmania  
Hyderabad 500 007  
India  
☎ 91 71 951

**Rao Ramachandra V**  
ISRO Satellite Ctr  
Peenya  
Vimanapura Post  
Bangalore 560 058  
India  
☎ 91 80 526 6251  
📠 91 80 526 5407

**Raoult Antoinette**  
Observ Paris Meudon  
DASOP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7766  
📠 33 1 45 07 7959

**Rapaport Michel**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
📠 33 5 56 40 4251

**Rapley Christopher G**  
Mullard Space Science Lab  
Univ College London  
Holmbury St Mary  
Dorking Surrey RH5 6NT  
UK  
☎ 44 13 06 702 92  
📠 44 14 83 278 312

**Rasio Frederic A**  
Physics Dpt  
MIT  
Box 165  
Cambridge MA 02139 4307  
USA  
☎ 1 617 253 5084  
📠 1 617 253 9798  
✉ rasio@mit.edu

**Rastorguev Alexey S**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 1622  
📠 7 095 932 8841  
✉ ras@sai.msu.su

**Ratag Mezak Arnold**  
LAPAN  
Ntl Inst Aeron/Space  
Ul Junjuran 133  
Bandung 40173  
Indonesia  
✉ mezakr@indosat.net.id

**Ratnatunga Kavan U**  
Physics Dpt  
Carnegie Mellon Univ  
5000 Forbes Av  
Pittsburgh PA 15213 3890  
USA  
☎ 1 412 268 1888  
📠 1 412 681 0648  
✉ kavan@astro.phys.cmu.edu

**Raubenheimer Barend C**  
Cosmic Ray Res Unit  
Potchefstroom Univ  
for CHE  
2520 Potchefstroom  
South Africa  
☎ 27 148 299 2423  
📠 27 148 299 2421

**Rauch Thomas**  
Astronomisches Institut  
Univ Tuebingen  
Waldhauserstr 64  
D 72076 Tuebingen  
Germany  
☎ 49 70 71 297 8614  
📠 49 707 129 3458  
✉ rauch@astro.uni-tuebingen.de

**Rautela B S**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136

**Raveendran A V**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 0672  
☎ 91 80 553 4043  
✉ avr@iiap.ernet.in

**Rawlings Jonathan**  
Astrophysics Dpt  
Univ of Oxford  
Keble Rd  
Oxford OX1 3RH  
UK  
☎ 44 186 527 3303  
☎ 44 186 527 3418  
✉ jr@uk.ac.ox.astro

**Rawlings Steven**  
Astrophysics Dpt  
Univ of Oxford  
Keble Rd  
Oxford OX1 3RH  
UK  
☎ 44 186 527 3303  
☎ 44 186 527 3418  
✉ sr@uk.ac.ox.astro

**Ray Alak**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 215 2971  
☎ 91 22 215 2110  
✉ akr@tifrvax

**Ray James R**  
USNO  
EO Dpt  
3450 Massachusetts Av NW  
Washington DC 20392 5420  
USA  
✉ jimr@maia.usno.  
navy.mil

**Ray Thomas P**  
DIAS  
School Cosmic Phys  
5 Merrion Sq  
Dublin 2  
Ireland  
☎ 353 1 662 1333  
☎ 353 1 662 1477  
✉ tr@cp.dias.ie

**Raychaudhuri Amalkumar**  
Presidency College  
College St  
Calcutta 73  
India

**Raychaudhury Somak**  
IUCAA  
PO Box 4  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 351 414/5  
☎ 91 212 350 760  
✉ somak@iucaa.ernet.in

**Rayet Marc**  
Inst Astrophysique  
Univ Bruxelles  
Campus Plaine CP 226  
B 1050 Brussels  
Belgium  
☎ 32 2 650 3572  
☎ 32 2 650 4226  
✉ mrayet@astro.ulb.  
ac.be

**Raymond John Charles**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7000  
☎ 1 617 495 7356  
✉ jraymond@cfa.  
harvard.edu

**Rayrole Jean R**  
Observ Paris Meudon  
DASOP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7789  
☎ 33 1 45 07 7971

**Razdan Hiralal**  
Technical Coordination Gp  
Bhabha Atomic Res Ctr  
7F Cntrl Complex Trombay  
Bombay 400 085  
India  
☎ 91 22 551 1859  
☎ 91 22 495 2110

**Razin Vladimir A**  
Radiophysical Res  
Inst  
Lyadov Ul 25/14  
603600 N Novgorod  
Russia  
☎ 7 831 236 7294  
☎ 7 831 236 9902

**Reach William**  
CALTECH  
MS 100 22  
Pasadena CA 91001  
USA  
☎ 1 626 397 7057  
☎ 1 626 397 9600  
✉ reach@ipac.  
caltech.edu

**Readhead Anthony C S**  
CALTECH  
Robinson Bldg  
Pasadena CA 91125  
USA  
☎ 1 213 356 4972

**Reames Donald V**  
NASA GSFC  
Code 661  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6454  
☎ 1 301 286 1682  
✉ reames@lheavx.gsfc.  
nasa.gov

**Reasenber Robert D**  
CfA  
HCO/SAO Rm B 217  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7108  
☎ 1 617 495 7356  
✉ reasenber@cfa.  
harvard.edu

**Reaves Gibson**  
Dpt Phys/Astronomy  
USC  
Los Angeles CA 90089 1342  
USA  
☎ 1 213 740 6330  
☎ 1 213 740 7254  
✉ reaves@mizar.  
usc.edu

**Reay Newrick K**  
Astrophysics Gr  
Imperial Coll  
Prince Consort Rd  
London SW7 2BZ  
UK  
☎ 44 171 594 7771  
☎ 44 171 594 7772

**Rebeiro Edith**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
☎ 33 4 91 62 1190

**Reber Grote**  
C/o Post office  
Bothwell TAS 5030  
Australia  
☎ 61 2 23 7371

**Rebolo Rafael**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Recillas-Cruz Elsa**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653

**Redfern Michael R**  
Physics Dpt  
Univ College  
Galway  
Ireland  
☎ 353 91 524 411  
☎ 353 91 525 700

**Reed B Cameron**  
Physics Dpt  
Alma College  
Alma MI 48801 1599  
USA  
☎ 1 517 463 7266  
☎ 1 517 463 7277  
✉ reed@alma.edu

**Rees David Elwyn**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0493  
☎ 61 2 868 0411  
✉ drees@rp.csiro.au

**Rees Martin J**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
☎ 44 12 23 337 523  
✉ jim@ast-star.cam.ac.uk

**Reeves Edmond M**  
NASA Headquarters  
Off Life/Microgravity  
600 Independence Av SW  
Washington DC 20546  
USA  
☎ 1 202 358 2560  
☎ 1 202 358 4166  
✉ ereeves@hq.nasa.gov

**Reeves Hubert**  
DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 5159  
☎ 33 1 69 08 6577

**Refsdal Sjur**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4124  
☎ 49 407 252 4198

**Regev Oded**  
Physics Dpt  
IIT  
Technion City  
Haifa 32000  
Israel  
☎ 972 4 293 992  
☎ 972 4 221 514  
✉ phr91or@technion

**Reglero-Velasco Victor**  
Dpt Mat y Astron  
Univ Valencia  
Dr Moliner 50  
E 46100 Burjassot  
Spain  
☎ 34 6 386 4326  
☎ 34 6 386 4302  
✉ reglero@evalvx.ific.uv.es

**Rego Fernandez M**  
Dpt Astrofisica  
Fac Fisica  
Univ Complutense  
E 28040 Madrid  
Spain  
☎ 34 1 449 5316  
☎ 34 1 394 5195

**Regoes Enikoe**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 330 894  
☎ 44 12 23 337 523  
✉ eniko@mail.ast.  
cam.ac.uk

**Regulo Clara**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Reich Wolfgang**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 0  
☎ 49 228 525 229

**Reichert Gail Anne**  
NASA GSFC  
Code 631  
Greenbelt MD 20771  
USA  
☎ 1 301 286 0615  
☎ 1 301 286 1771  
✉ gail.reichert.2@gscf.  
nasa.gov

**Reid Mark Jonathan**  
CFA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7470  
☎ 1 617 495 7356

**Reid Neill**  
CALTECH  
Palomar Observ MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 356 6586  
☎ 1 815 568 1517

**Reif Klaus**  
RAIUB  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany  
☎ 49 228 73 3657  
☎ 49 228 73 3672  
✉ reif@astro.uni-  
bonn.de

**Reig Pablo**  
Dpt Phys/Astronomy  
Southampton SO17 1BJ  
UK  
☎ 44 170 359 2079  
☎ 44 170 359 3910  
✉ pablo@astro.soton.ac.uk

**Reimers Dieter**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4112  
☎ 49 407 252 4198

**Reinisch Gilbert**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
☎ 33 4 92 00 3033

**Reinsch Klaus**  
Univ Sternwarte  
Goettingen  
Geismarlandstr 11  
D 37083 Goettingen  
Germany  
☎ 49 551 394 037  
☎ 49 551 395 043  
✉ reinsch@uni-sw.  
gwdg.de

**Reipurth Bo**  
CASA  
Univ of Colorado  
Campus Box 389  
Boulder CO 80309 0389  
USA  
☎ 1 303 492 4050  
☎ 1 303 492 7178  
✉ reipurth@casa.  
olorado.edu

**Reitsem Harold J**  
Ball Aerospace Systems  
Division  
Box 1062  
Boulder CO 80306  
USA  
☎ 1 303 939 5026  
☎ 1 303 939 6602  
✉ hreitsem@ball.com

**Reiz Anders**  
Maltgatan 2  
S 24014 Veberöd  
Sweden

**Remy Battiau Liliane G A**  
Conseil de la Recherche  
Universite Liege  
7 Pl du XX Aout  
B 4000 Liege  
Belgium  
☎ 32 4 242 0080  
☎ 32 4 366 5558  
✉ l.remy@ulg.ac.be

**Rengarajan T N**  
TIFR/IR Astronomy  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 219 1111  
☎ 91 22 215 2110  
✉ renga@tifrc3.tifr.res.in

**Rense William A**  
204 Birch Dr  
Lafayette LA 70506  
USA  
☎ 1 318 981 0769

**Renson P F M**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
☎ 32 4 254 7511  
✉ rensont@astro.ulg.  
ac.be

**Renzi Alvio**  
Dpt Astronomia  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 301  
☎ 39 51 259 407

**Rephaeli Yoel**  
Dpt Phys/Astronomy  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 640 8208  
☎ 972 3 640 8179

**Requieme Yves**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
☎ 33 5 56 40 4251  
✉ requieme@obsboa.  
observ.u-bordeaux.fr

**Revelle Douglas Orson**  
LANL  
MS F665  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 2897  
☎ 1 505 665 4055  
✉ dor@eddie.lanl.gov

**Reyes Francisco**  
Astronomy Dpt  
Univ of Florida  
211 SSRB  
Gainesville FL 32611  
USA  
☎ 1 904 392 2049  
☎ 1 904 392 5089  
✉ freyes@uflpine

**Reynolds John**  
AAO  
ATNF  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0400  
✉ jreynold@atnf.csiro.au

**Reynolds John H**  
Physics Dpt  
Univ of California  
366 LeConte Hall  
Berkeley CA 94720  
USA  
☎ 1 415 642 4863  
☎ 1 510 642 3411

**Reynolds Ronald J**  
Physics Dpt  
Univ Wisconsin  
1150 University Av  
Madison WI 53706  
USA  
☎ 1 608 262 5916  
☎ 1 608 262 3077

**Reynolds Stephen P**  
Physics Dpt  
N Carolina State Univ  
Box 8202  
Raleigh NC 27695 8202  
USA  
☎ 1 919 515 7751  
☎ 1 919 515 1971  
✉ stephen\_reynolds@ncsu.edu

**Rhodes Edward J**  
11801 Killimore Av  
Northridge CA 91326  
USA

**Riazi Nematollah**  
Physics Dpt  
Shiraz Univ  
Shiraz 71454  
Iran  
☎ 98 71 24609  
☎ 98 71 20 027  
✉ riazi@sun01.sci.shirazu.  
ac.ir

**Ribes Jean-Claude**  
INSU  
3 r Michel Ange  
F 75794 Paris Cedex 16  
France  
☎ 33 1 44 96 5000  
☎ 33 1 44 96 4387

**Rice John B**  
Dpt Phys/Astronomy  
Univ of Brandon  
270 18th Street  
Brandon MB R7A 6A9  
Canada  
☎ 1 204 727 9693  
☎ 1 204 728 7346  
✉ rice@brandonu.ca

**Rich Robert Michael**  
Astronomy Dpt  
Columbia Univ  
538 W 120th St  
New York NY 10027  
USA  
☎ 1 212 854 6837  
☎ 1 212 854 8121  
✉ rmr@figaro.phys.columbia.edu

**Richards Mercedes T**  
University Station  
Univ of Virginia  
Box 3818  
Charlottesville VA 22903 0818  
USA  
☎ 1 804 924 4895  
① 1 804 924 3104  
✉ mtr8r@virginia.edu

**Richardson E Harvey**  
1871 Elmhurst Pl  
Victoria BC V8N 1R1  
Canada

**Richardson Kevin J**  
Astrophysics Group  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5555  
① 44 181 975 5500

**Richardson Lorna Logan**  
Dpt Phys/Astronomy  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855\*4153  
① 44 141 334 9029  
✉ lorna@astro.gla.ac.uk

**Richardson R S**  
Griffiths Observ  
Box 27787  
Los Felix Station  
Los Angeles CA 90027  
USA  
☎ 1 213 664 1181

**Richer Harvey B**  
Dpt Geophys/Astronomy  
UBC  
2075 Wesbrook Pl  
Vancouver BC V6T 1W5  
Canada  
☎ 1 604 228 4134  
① 1 604 228 6047

**Richer John**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 339 992  
① 44 12 23 354 599  
✉ jsr@mrao.cam.ac.uk

**Richichi Andrea**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52230  
① 39 55 220 039  
✉ richichi@arcetri.astro.it

**Richstone Douglas O**  
Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 764 3441  
① 1 313 764 2211  
✉ d\_richstone@ub.cc.umich.edu

**Richter G A**  
Zntrlnst Astrophysik  
Sternwarte Babelsberg  
an d Sternwarte 16  
D 96575 Sonneberg  
Germany  
☎ 49 96 74 2287

**Richter Gotthard**  
Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9301  
① 49 331 749 9309  
✉ gmrichter@aip.de

**Richter Johannes**  
Inst Theor Phys/  
Sternwarte Univ Kiel  
Olshausenstr 40  
D 24098 Kiel  
Germany  
☎ 49 431 880 3835  
① 49 431 880 4432

**Richtler Tom**  
Univ Sternwarte  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany  
☎ 49 228 73 3669  
① 49 228 73 3672

**Richard James Joseph**  
Box 777  
Borrego Springs CO 92004  
USA  
☎ 1 714 767 5462

**Richard Lee J**  
NRL  
Code 4138 Rrd  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 2495

**Ricker George R**  
Ctr for Space Res  
MIT Rm 37 527  
Box 165  
Cambridge MA 02139 4307  
USA  
☎ 1 617 253 7532  
① 1 617 253 0861

**Rickett Barnaby James**  
EECS  
UCSD  
La Jolla CA 92093 0216  
USA  
☎ 1 619 452 2731

**Rickman Hans**  
Astronomical Observ  
Box 515  
S 751 20 Uppsala  
Sweden  
☎ 46 18 51 35 22  
① 46 18 52 7583  
✉ hans.rickman@astro.uu.se

**Ricort Gilbert**  
Dpt Astrophysique  
Universite Nice  
Parc Valrose  
F 06034 Nice Cdx  
France  
☎ 33 4 93 51 9100  
① 33 4 93 52 9806

**Riddle Anthony C**  
700 Grant Pl  
Boulder CO 80302  
USA  
☎ 1 303 447 8127

**Riegel Kurt W**  
Dpt Navy  
3601 5th St  
S #201  
Arlington VA 22204 1600  
USA  
☎ 1 703 695 3363  
✉ riegel.kurt@hq.navy.mil

**Rieger Erich**  
MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 3511  
① 49 893 299 3569  
✉ eir@dgaip1s

**Riegler Guenter R**  
NASA Headquarters  
Code SZ  
600 Independence Av SW  
Washington DC 20546  
USA  
☎ 1 202 358 0370  
① 1 202 358 3096  
✉ griegler@gm.ossa.hq.nasa.gov

**Rieutord Michel**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 33 2949  
① 33 5 61 53 6722  
✉ rieutord@obs-mip.fr

**Righini Alberto**  
Dpt Astronomia  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
① 39 55 22 0039

**Riihimaa Jorma J**  
Astronomy Dpt  
Univ of Oulu  
Box 333  
FIN 90570 Oulu  
Finland  
☎ 358 81 555 2022  
① 358 81 553 1934

**Rijnbeek Richard**  
Space/Plasma Phys  
School Mathes/Phys Sci  
Univ of Sussex  
Brighton BN1 9QH  
UK  
① 44 12 73 678097  
✉ richardr@central.sussex.ac.uk

**Rijsdijk Case**  
SAAO  
PO Box 9  
7935 Observatory  
South Africa  
☎ 27 21 47 0025  
① 27 21 47 3639  
✉ case@sao.ac.za

**Riley Julia M**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 274  
① 44 12 23 354 599

**Rindler Wolfgang**  
Univ of Texas  
UTD  
Box 830688  
Richardson TX 75083 0688  
USA  
☎ 1 214 690 2885

**Ring James**  
Astrophysics Gr  
Imperial Coll  
Prince Consort Rd  
London SW7 2BZ  
UK  
☎ 44 171 594 7771  
① 44 171 594 7772

**Ringnes Truls S**  
Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway  
☎ 47 22 856 503  
① 47 22 85 6505

**Ringuelet Adela E**  
Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
① 54 21 211 761

**Ringwald Frederick Arthur**  
Dpt Astron/Astrophys  
Pennsylvania State Univ  
525 Davey Lab  
University Park PA 16802 6305  
USA  
☎ 1 814 863 1756  
☎ 1 814 863 3399  
✉ ringwald@astro.  
psu.edu

**Ripken Hartmut W**  
Dara German  
Space Agency  
Koenigwinterstr 522-524  
D 53227 Bonn  
Germany  
☎ 49 228 447 203  
☎ 49 228 447 700  
✉ ripken@t-online.de

**Ritter Hans**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 880  
☎ 49 893 299 3235

**Rivolo Arthur Rex**  
Dpt Astron/Astrophys  
Univ of Pennsylvania  
Philadelphia PA 19104  
USA  
☎ 1 215 898 6250  
☎ 1 215 898 9336

**Rizvanov Naufal G**  
Engelhardt Astronom  
Observ  
Observatoria Station  
422526 Tatarstan  
Russia  
☎ 7 32 4827  
✉ rng@astro.ksu.ras.ru

**Rizzo Jose Ricardo**  
IAR  
CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 254 909  
☎ 54 21 254 909  
✉ rizzo@irma.ar  
jrizzo@volta.ing.unlp.edu.ar

**Roark Terry P**  
Dpt Phys/Astronomy  
Univ of Wyoming  
Box 3905  
Laramie WY 82071  
USA  
☎ 1 307 766 6513  
☎ 1 307 766 2652  
✉ troark@uwyo.edu

**Robb Russell M**  
Dpt Phys/Astronomy  
Univ of Victoria  
Box 3055  
Victoria BC V8W 3P6  
Canada  
☎ 1 250 721 7750  
☎ 1 250 721 7715  
✉ robb@uvic.ca

**Robbins R Robert**  
Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 7312  
☎ 1 512 471 6016

**Robe H A G**  
Inst Astrophysique  
Universite Liege  
Av Coite 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
☎ 32 4 254 7511

**Roberge Wayne G**  
Physics Dpt  
Rensselaer Polytechn Inst  
Troy NY 12180 3590  
USA  
☎ 1 518 276 6454  
☎ 1 518 276 6680  
✉ roberge@orion.phys.  
rpi.edu

**Roberti Giuseppe**  
Dpt Fisica  
Univ d Napoli  
Mostra D Oltremare Pad 19  
I 80125 Napoli  
Italy  
☎ 39 81 725 3428

**Roberts David Hall**  
Physics Dpt  
Brandeis Univ  
Waltham MA 02254  
USA  
☎ 1 617 647 2846  
☎ 1 781 736 2915

**Roberts Morton S**  
NRAO  
520 Edgemont Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 296 0233  
☎ 1 804 296 0278  
✉ mroberts@nrao.edu

**Roberts William W**  
Applied Maths Dpt  
Box 3818  
Charlottesville VA 22903  
USA  
☎ 1 804 924 1038

**Robertson Douglas S**  
C/o CIRES  
Univ of Colorado  
Campus Box 216  
Boulder CO 80309 0216  
USA

**Robertson James Gordon**  
School of Physics  
UNSW  
Sydney NSW 2006  
Australia  
☎ 61 2 935 1825  
☎ 61 2 9351 7726  
✉ jgr@physics.usyd.  
edu.au

**Robertson John Allstair**  
Dpt Applied Maths  
Univ of St Andrews  
North Haugh  
St Andrews Fife KY16 9SS  
UK  
☎ 44 1334 76161  
☎ 44 1334 74487

**Robertson Norma**  
Dpt Phys/Astronomy  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855  
☎ 44 1413 349 029  
✉ gw05@uk.ac.gla.ph.ii

**Robillot Jean-Maurice**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
☎ 33 5 56 40 4251

**Robin Annie C**  
Observ Besancon  
41bis Av Observatoire  
BP 1615  
F 25010 Besancon Cdx  
France  
☎ 33 3 81 66 6941  
☎ 33 3 81 66 6944  
✉ robin@obs-besancon.fr

**Robinson Andrew**  
Physical Sci Div  
Univ Hertfordshire  
College Lane  
Hatfield Herts AL10 9AB  
UK  
☎ 44 170 728 5253  
☎ 44 170 728 5179  
✉ ar@star.herts.ac.uk

**Robinson Brian J**  
Box 256  
Milsons Point NSW 2061  
Australia

**Robinson Edward Lewis**  
Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 3401  
☎ 1 512 471 6016  
✉ elr@astron.as.  
utexas.edu

**Robinson Garry**  
Physics Dpt Univ College  
UNSW  
Northcott Dr  
Campbell ACT 2600  
Australia  
☎ 61 2 62 68 8800  
☎ 61 26 268 8786  
✉ garry@phadfa.ph.  
adfa.oz.au

**Robinson I**  
Univ of Texas  
MS Be 32  
Box 830688  
Richardson TX 75080 0688  
USA  
☎ 1 214 690 2176

**Robinson Leif J**  
Sky/Telescope  
49 Bay State Rd  
Cambridge MA 02238  
USA  
☎ 1 617 864 7360  
☎ 1 617 253 9798

**Robinson Lloyd B**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 429 2437  
☎ 1 831 426 3115

**Robinson William J**  
18 Hollingwood Rise  
Ilkley  
W Yorkshire LS29 9PW  
UK

**Robinson Richard D**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8701

**Robley Robert**  
9 All Verdier  
F 31000 Toulouse  
France  
☎ 33 5 61 52 2273

**Robson Ian E**  
Joint Astronomy Ctr  
660 N A'ohoku Pl  
University Park  
Hilo HI 96720  
USA  
☎ 1 808 961 3756  
☎ 1 808 961 6516

**Roca Cortes Teodoro**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Rocca-Volmerange Brigitte**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8091  
☎ 33 1 44 32 8001

**Roche Patrick F**  
Astrophysics Dpt  
Univ of Oxford  
Keble Rd  
Oxford OX1 3RH  
UK  
☎ 44 186 527 3338  
☎ 44 186 527 3418  
✉ pfr@uk.ac.oxford.astrophysics

**Rochester Michael G**  
Dpt Earth Sciences  
Memorial Univ of  
Newfoundland  
St Johns NF A1B 3X57  
Canada  
☎ 1 709 737 7565  
☎ 1 709 737 2589  
✉ mrochest@kean.  
ucs.mun.ca

**Roddier Claude**  
NOAO/ADP  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 325 9220  
☎ 1 510 318 8360

**Roddier Francois**  
NOAO/ADP  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 325 9220  
☎ 1 510 318 8360

**Rodgers Alex W**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 881 111  
☎ 61 262 490 233

**Rodionova Janna F**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 1649  
☎ 7 095 932 8841  
✉ jeanna@sai.msu.su

**Rodman Richard B**  
65 Locust Av  
Lexington MA 02173  
USA  
☎ 1 617 861 8149

**Rodono Marcello**  
Istt Astronomia  
Citta Universitaria  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 21111  
☎ 39 95 33 0592  
✉ mrodono@alpha4.  
ct.astro.it

**Rodrigo Rafael**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1300  
☎ 34 5 881 4530

**Rodriguez Eloy**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
☎ 34 5 881 4530

**Rodriguez Hildago Ines I**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117  
✉ irh@iac.es

**Rodriguez Luis F**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653

**Rodriguez-Eillamil R**  
ROA  
Cecilio Pujazon 22-3 A  
E 11110 San Fernando  
Spain  
☎ 34 5 688 3548  
☎ 34 5 689 9302

**Rodriguez-Espinosa Jose M**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117  
✉ jre@l.iac.es

**Rodriguez-Franco Arturo**  
Observ Astronomico  
Nacional  
Apt 1143  
E 28800 Alcalá d Henares  
Spain  
☎ 34 1 885 5060  
☎ 34 1 885 5062  
✉ arturo@oan.es

**Roelfsema Peter**  
Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
☎ 31 50 363 6100  
✉ pjutr@hgrug

**Roemer Elizabeth**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 2897  
☎ 1 520 621 4933  
✉ eroemer@lpl.arizona.edu

**Roemer Max**  
IAEF  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany  
☎ 49 228 73 3670  
☎ 49 228 73 3672

**Roennaeng Bernt O**  
Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5500  
☎ 46 31 772 5550

**Roeser Hans-peter**  
DLR  
Inst f Planetenerkundg  
Rudower Chaussee 5  
D 12489 Berlin  
Germany  
☎ 49 306 954 5500  
☎ 49 306 954 5502  
✉ hans-peter.roeser@  
dlr.de

**Roeser Hermann-Josef**  
MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 8206  
☎ 49 622 152 8246

**Roeser Siegfried**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 5158  
☎ 49 622 140 5297  
✉ s19@ix.urz.uni-  
heidelberg.de

**Roessiger Siegfried**  
Zentrum Astrophysik  
Sternwarte Sonneberg  
an d Sternwarte 16  
D 96575 Sonneberg  
Germany  
☎ 49 96 74 2287  
☎ 49 96 74 2836

**Roger Robert S**  
DRAO  
NRCC/HIA  
Box 248  
Penticton BC V2A 6K3  
Canada  
☎ 1 250 493 2277  
☎ 1 250 493 7767

**Rogers Alan E E**  
Haystack Observ  
Westford MA 01886  
USA  
☎ 1 617 692 4764  
☎ 1 617 981 0590

**Rogers Christopher**  
DRAO  
NRCC/HIA  
Box 248  
Penticton BC V2A 6K3  
Canada  
☎ 1 250 493 2277  
☎ 1 250 493 7767  
✉ crogers@drao.nrc.ca

**Rogers Forrest J**  
LLNL  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 415 422 7351  
☎ 1 925 423 7228  
✉ rogers4@llnl.gov

**Rogerson John B**  
Dpt Astrophysical Sci  
Princeton Univ  
Peyton Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 452 3806  
☎ 1 609 258 1020

**Rogstad David H**  
CALTECH/JPL  
MS 11/116  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 213 351 1321  
☎ 1 818 393 6030

**Rohlfis Kristen**  
Inst Theor Physik  
Ruhr Univ Bochum  
Postfach 102148  
D 44780 Bochum  
Germany  
☎ 49 234 700 5802  
☎ 49 234 709 4169

**Roland Ginette**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
☎ 32 4 254 7511  
✉ roland@astro.ulg.ac.be

**Rolland Angel**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1300  
☎ 34 5 881 4530

**Roman Nancy Grace**  
4260 N Park Av  
Apt 306w  
Chevy Chase MD 20815  
USA  
☎ 1 301 656 6092  
☎ 1 301 286 1771  
✉ nancy.g.roman@gssc.nasa.gov



**Romanchuk Pavel R**  
Astronomical Observ  
Kyiv State Univ  
Observatornaya Ul 3  
252053 Kyiv  
Ukraine  
☎ 380 4421 62691

**Romani Roger William**  
Physics Dpt  
Stanford Univ  
Stanford CA 94305  
USA  
☎ 1 415 725 7595  
① 1 415 723 9389  
✉ rwr@geminga.  
stanford.edu

**Romanishin William**  
Dpt Phys/Astronomy  
Univ of Oklahoma  
Norman OK 73019  
USA  
☎ 1 405 325 3961  
① 1 405 325 7557

**Romano Giuliano**  
V S Antonio d Padova 7  
I 31100 Treviso  
Italy

**Romanov Yuri S**  
Astronomical Observ  
Odessa State Univ  
Shevchenko Park  
270014 Odessa  
Ukraine  
☎ 380 4822 20396  
① 380 4822 28442  
✉ root@astro.odessa.ua

**Romero Gustavo Esteban**  
IAR  
CC 5  
1894 Villa Elisa (Bs As)  
Argentina  
☎ 54 21 254 909  
① 54 21 254 909  
✉ romero@irma.iar.  
unlp.edu.ar

**Romero Perez M Pilar**  
Inst Astron/Geodesia  
Fac Ciencias Matemat  
Univ Complutense  
E 28040 Madrid  
Spain  
☎ 34 1 244 2501  
① 34 1 394 5195

**Romney Jonathan D**  
NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 772 4011  
① 1 505 835 7027

**Rompolt Bogdan**  
Astronomical Institute  
Wroclaw Univ  
Ul Kopernika 11  
PL 51 622 Wroclaw  
Poland  
☎ 48 71 372 9373/74  
① 48 71 372 9378

**Ron Cyril**  
Astronomical Institute  
Czech Acad Sci  
Bočni II 1401  
CZ 141 31 Praha 4  
Czech R  
☎ 420 2 67 10 3030  
① 420 2 76 90 23  
✉ ron@ig.cas.cz

**Ronan Colin A**  
Flat 6 Bourne Ct The Bourne  
Hastings  
East Sussex TN34 3UZ  
UK  
☎ 44 142 444 6362

**Roncin Jean-Yves**  
Lab Traitement du Signal  
et Instrumentation  
23 r Dr P Michelson  
F 42023 Saint Etienne  
France  
☎ 33 4 77 48 5168  
① 33 4 77 48 5120  
✉ roncin@univ-  
st-etienne.fr

**Rong Jianxiang**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 34651\*2882  
① 86 25 330 2728

**Rood Herbert J**  
Inst Advanced Study  
School Natural Science  
Princeton NJ 08540  
USA  
☎ 1 609 734 8055

**Rood Robert T**  
University Station  
Univ of Virginia  
Box 3818  
Charlottesville VA 22903 0818  
USA  
☎ 1 804 924 4904  
✉ rtr@virginia.edu

**Roos Matts**  
Helsinki Univ  
Observ  
Box 14  
FIN 00014 Helsinki  
Finland  
☎ 358 19 12 2940  
① 358 191 8366  
✉ mroos@phcu.  
helsinki.fi

**Roos Nicolaas**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5864  
① 31 71 527 5819  
✉ roos@strw.Leidenuniv.nl

**Roosen Robert G**  
6208 Univ Av  
Suite A  
San Diego CA 92115  
USA  
☎ 1 619 229 1449  
✉ roosen@ax.com

**Roques Francoise**  
Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7409  
① 33 1 45 07 7469  
✉ roques@obspm.fr

**Roques Sylvie**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
① 33 5 61 27 3179

**Ros Rosa M**  
Dpt Mat Aplicada  
U P Cataluna  
Victor Balaguer Sn  
E 08800 Vilanova  
Spain  
☎ 34 3 896 7720  
① 34 3 896 7700  
✉ ros@mat.upc.es

**Rosa Dorothea**  
Heidelbergerstr 31 B  
D 69151 Neckargemuend  
Germany  
✉ mrosa@eso.org

**Rosa Dragan**  
Astronomical Observ  
Opaticka 22  
pp 943  
HR 10000 Zagreb  
Croatia  
☎ 385 1 442 271  
① 385 1 422 271  
✉ dragan.rosa@public.  
srce.hr

**Rosa Michael Richard**  
ESO  
ST/ECF  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 60  
① 49 893 202 362

**Rosado Margarita**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
① 52 5 616 0653

**Rosch Jean**  
OMP  
9 r Pont de La mouette  
F 65204 Bagneres Bigorre  
France  
☎ 33 5 62 95 1969  
① 33 3 88 25 0160

**Rose James Anthony**  
Dpt Phys/Astronomy  
Univ North Carolina  
204 Phillips Hall 039a  
Chapel Hill NC 27514  
USA  
☎ 1 919 962 7170  
① 1 919 962 0480

**Rose William K**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 299 2777  
① 1 301 314 9067

**Rosen Edward**  
Dpt History  
City College of NY  
138 St Convene Av  
New York NY 10031  
USA  
☎ 1 212 690 6823

**Rosendhal Jeffrey D**  
NASA Headquarters  
Code SZ  
600 Independence Av SW  
Washington DC 20546  
USA  
☎ 1 202 358 0738  
① 1 202 358 3096  
✉ jrosendhal@smtpgmgw.oss.  
hq.nasa.gov

**Roslund Curt**  
Dpt Astron/Astrophys  
Chalmers Technical Univ  
S 412 96 Goeteberg  
Sweden  
☎ 46 31 772 1000  
① 46 31 772 3204

**Rosner Robert**  
Astronomy/Astrophys Ctr  
Univ of Chicago  
5640 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 702 0560  
① 1 312 702 8212  
✉ rrosner@oddjob.uchicago.edu

**Rosquist Kjell**  
Inst Theoret Phys  
Vanadisvaegen 9  
S 113 46 Stockholm  
Sweden  
☎ 46 82 28 160\*225

**Ross Dennis K**  
Physics Dpt  
Iowa State Univ  
Ames IA 50011  
USA  
☎ 1 515 294 6010  
① 1 515 294 3262

**Ross John E R**  
Physics Dpt  
Univ of Queensland  
St Lucia  
Brisbane QLD 4072  
Australia  
☎ 61 7 3365 3429  
① 61 7 371 5896  
✉ ross@physics.uq.oz.au

**Rossello Gaspar**  
Dpt Fisica Atmosfera  
Univ Barcelona  
Avd Diagonal 645  
E 08028 Barcelona  
Spain  
☎ 34 3 402 1125  
ⓞ 34 3 402 1133

**Rossi Corinne**  
Istt Astronomico  
Univ d Roma La Sapienza  
Via G M Lancisi 29  
I 00161 Roma  
Italy  
☎ 39 6 44 03734  
ⓞ 39 6 44 03673

**Rossi Lucio**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
ⓞ 39 6 2066 0188

**Rostas Francois**  
Observ Paris Meudon  
DAMAP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7565  
ⓞ 33 1 4507 7469  
✉ rostas@obspm.fr

**Roth Miguel R**  
CIW  
Las Campanas Observ  
Casilla 601  
La Serena  
Chile  
☎ 56 51 21 3032  
✉ mroth@uchcevm

**Roth-Hoppner Maria Luise**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4112  
ⓞ 49 407 252 4198

**Rothenflug Robert**  
DAPNIA/SAP  
CEA Saclay  
BP 2  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 4327  
ⓞ 33 1 69 08 6577  
✉ rothenflug@32779.  
deenet.cern

**Rots Arnold H**  
Cfa  
HCO/SAO MS 81  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7701  
ⓞ 1 617 495 7356  
✉ arots@head-cfa.harvard.edu

**Rouan Daniel**  
Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7715  
ⓞ 33 1 45 07 2806  
✉ rouan@obspm.fr

**Roudier Thierry**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
ⓞ 33 5 61 27 3179

**Roueff Evelyne M A**  
Observ Paris Meudon  
DAF  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7435  
ⓞ 33 1 45 07 7435

**Rountree Janet**  
Box 65285  
Tucson AZ 85728  
USA  
✉ rountree@nssdca.  
gsfc.nasa.gov

**Rouse Carl A**  
627 15 Th Str  
Del Mar CA 92014  
USA  
☎ 1 619 455 4015

**Rousseau Jean-Michel**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
ⓞ 33 5 56 40 4251

**Rousseau Jeanine**  
Observ Lyon  
Av Ch Andre  
F 69561 S Genis Laval cdx  
France  
☎ 33 4 78 56 0705  
ⓞ 33 4 72 39 9791

**Rousselot Philippe**  
Observ Besancon  
41bis Av Observatoire  
BP 1615  
F 25010 Besancon Cdx  
France  
☎ 33 3 81 66 6900  
ⓞ 33 3 81 66 6944  
✉ philippe@obs-  
besancon.fr

**Routledge David**  
Dpt Electric Engin  
Univ of Alberta  
Edmonton AB T6G 2J1  
Canada  
☎ 1 403 432 5668

**Routly Paul M**  
USNO  
3450 Massachusetts Av NW  
Washington DC 20392 5100  
USA  
☎ 1 202 762 1434  
ⓞ 1 202 762 1516

**Rovero Adrian Carlos**  
IAFE  
CC 67 Suc 28  
1428 Buenos Aires  
Argentina  
☎ 54 1 781 6755  
ⓞ 54 1 786 8114  
✉ rovero@iafe.uba.ar

**Rovira Marta Graciela**  
IAFE  
CC 67 Suc 28  
1428 Buenos Aires  
Argentina  
☎ 54 1 781 6755  
ⓞ 54 1 786 8114

**Rovithis Peter**  
Astronomical Institute  
Ntl Observ Athens  
Box 20048  
GR 118 10 Athens  
Greece  
☎ 30 1 346 3803  
ⓞ 30 1 346 4566

**Rovithis-Livaniou Helen**  
Astrophysics Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414  
ⓞ 30 1 723 5122

**Rowan-Robinson Michael**  
Astrophysics Gr  
Imperial Coll  
Prince Consort Rd  
London SW7 2BZ  
UK  
☎ 44 171 594 7771  
ⓞ 44 171 594 7772

**Rowson Barrie**  
21 Buttermere Rd  
Gatley SK8 4RQ  
UK  
☎ 44 16 14 284306  
✉ barrie\_rowson@  
Compuserve.com

**Roxburgh Ian W**  
School Mathemat Sc  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 980 4811  
ⓞ 44 181 975 5500

**Roy Archie E**  
Astronomy Dpt  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855\*502  
ⓞ 44 141 334 9029

**Roy Jean-Rene**  
Dpt d Physique  
Universite Laval  
Fac Sciences/Genie  
Laval QC G1K 7P4  
Canada  
☎ 1 418 656 5816  
ⓞ 1 418 656 2040  
✉ jrroy@phy.ulaval.ca

**Rozas Maite**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
ⓞ 34 2 232 9117  
✉ mrozas@ll.iac.es

**Rozelot Jean-Pierre**  
OCA  
CERGA  
F 06130 Grasse  
France  
☎ 33 4 93 36 5849  
ⓞ 33 4 93 40 5553

**Rozhkovskij Dimitrij A**  
Astrophys Inst  
Kazakh Acad Sci  
480068 Alma Ata  
Kazakhstan  
☎ 7 62 4040

**Rozyczka Michal**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
ⓞ 48 22 41 0828  
✉ mnr@camk.edu.pl

**Ruben G**  
Sternwarte Babelsberg  
Kantstr 6  
D 14473 Potsdam  
Germany

**Rubin Robert Howard**  
NASA/ARC  
MS 245 6  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 604 6450  
ⓞ 1 415 604 6779  
✉ rubin@cygnus.arc.nasa.gov

**Rubin Vera C**  
Dpt Terrestre Magnetism  
Carnegie Inst Washington  
5241 Bd Branch Rd NW  
Washington DC 20015 1305  
USA  
☎ 1 202 966 0863  
ⓞ 1 202 364 8726  
✉ rubin@gal.ciw.edu

**Rubio Monica**  
Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101  
ⓞ 56 2 229 4002

**Rucinski Daniel**

Space Res Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 40 3766  
☎ 48 22 36 8961  
✉ rucinski@cbk.  
waw.pl

**Rucinski Slavek M**

CFHT Corp  
Box 1597  
Kamuela HI 96743  
USA  
☎ 1 808 885 3161  
☎ 1 808 885 7288

**Rudak Bronislaw**

NCAC  
Polish Acad Sciences  
Ul Rabińska 8  
PL 87 100 Torun  
Poland  
☎ 48 56 19 319  
☎ 48 56 19 381  
✉ bronek@ncac.  
torun.pl

**Ruder Hanns**

Lehrstuhl Theoret Astro  
Physik Univ Tuebingen  
Auf d Morgenstelle 12 C  
D 72076 Tuebingen  
Germany  
☎ 49 707 129 2487  
☎ 49 7071 29 7575

**Ruderman Malvin A**

Physics Dpt  
Columbia Univ  
538 W 120th St  
New York NY 10027  
USA  
☎ 1 212 280 3317

**Rudkjoberg Mogens**

Inst Phys/Astronomy  
Univ of Aarhus  
Ny Munkegade  
DK 8000 Aarhus C  
Denmark  
☎ 45 86 12 8899  
☎ 45 86 20 2711

**Rudnick Lawrence**

School Phys/Astronomy  
Univ Minnesota  
116 Church St SE  
Minneapolis MN 55455  
USA  
☎ 1 612 624 3396  
☎ 1 612 624 2029  
✉ larry@astro.spa.  
umn.edu

**Rudnicki Konrad**

Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
☎ 48 12 25 1318

**Rudnitskij Georgij M**

SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 1030  
☎ 7 095 939 1661  
✉ gmr@sai.msk.su

**Rudzikas Zenonas B**

Inst Theor Physics/  
Astronomy  
Gostauto 12  
Vilnius 2600  
Lithuania  
☎ 370 2 620 939  
☎ 370 2 224 694  
✉ astro@itpa.fi.lt

**Ruediger Guenther**

Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9512  
✉ gruediger@aip.de

**Ruelas-Mayorga R A**

Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653  
✉ rarm@astroscu.  
unam.mx

**Rufener Fredy G**

Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauvigny  
Switzerland  
☎ 41 22 755 2611  
☎ 41 22 755 3983

**Ruffert Maximilian**

Dpt Maths/Statistics  
Univ of Edinburgh  
Edinburgh EH9 3JZ  
UK  
☎ 44 131 650 5039  
☎ 44 131 650 6553  
✉ max@maths.ed.  
ac.uk

**Ruffini Remo**

Dpt Fisica  
Univer d Roma  
PI A Moro 2  
I 00185 Roma  
Italy  
☎ 39 6 49 76304  
☎ 39 6 202 3507

**Rugge Hugo R**

Aerospace Corp  
MS M2 226  
Box 92957  
Los Angeles CA 90009 2957  
USA  
☎ 1 310 648 7086  
☎ 1 310 336 1636

**Ruiz Maria Teresa**

Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101  
☎ 56 2 229 4002

**Rule Bruce H**

Hale Observatories  
2205 Monte Vista St  
Pasadena CA 91107  
USA  
☎ 1 818 794 6593

**Rumsey Norman J**

21 Malone Rd  
Lower Hutt  
New Zealand  
☎ 64 4 69 6787

**Rupprecht Gero**

ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6355  
☎ 49 893 202 362  
✉ grupprec@eso.org

**Ruprecht Jaroslav**

Astronomical Institute  
Czech Acad Sci  
Bocni II 1401  
CZ 141 31 Praha 4  
Czech R  
☎ 420 2 67 10 3041  
☎ 420 2 76 90 23  
✉ astdss@csearn

**Rusconi Luigia**

Dpt Astronomia  
Univ d Trieste  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 79 4863  
☎ 39 40 30 9418

**Rusin Vojtech**

Astronomical Institute  
Slovak Acad Sci  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 96 7866  
☎ 421 969 96 7656

**Ruskol Eugenia L**

Inst Phys of the Earth  
Acad Sciences  
Gruzinskaya 10  
123342 Moscow  
Russia  
☎ 7 095 252 0726

**Russell Christopher T**

Inst Geophys/Planets  
UCLA  
Los Angeles CA 90095 1567  
USA  
☎ 1 310 825 3188  
☎ 1 310 206 3051  
✉ crussell@igpp.ucla.edu

**Russell Jane L**

NSF  
Div Astron Sci  
4201 Wilson Blvd  
Arlington VA 22230  
USA  
☎ 1 703 306 1827  
☎ 1 703 306 0525  
✉ jrussell@rossserv.gsfc.nasa.gov

**Russell John A**

Dpt Phys/Astronomy  
USC  
Los Angeles CA 90089 1342  
USA  
☎ 1 213 743 0231  
☎ 1 213 740 7254

**Russell Kenneth S**

AAO  
UK Schmidt Telescope  
Private Bag  
Coonabarabran NSW 2357  
Australia  
☎ 61 68 426 311  
☎ 61 68 846 298

**Russell Stephen**

DIAS  
School Cosmic Phys  
5 Merrion Sq  
Dublin 2  
Ireland  
☎ 353 1 662 1333  
☎ 353 1 682 003  
✉ sr@dias.ie

**Russev Ruscho**

Astronomy Dpt  
Univ of Sofia  
Anton Ivanov St 5  
BG 1126 Sofia  
Bulgaria  
☎ 359 2 68 8176  
☎ 359 2 68 9085

**Russeva Tatjana**

Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
☎ 359 2 75 5019

**Russo Guido**

Dpt Scienze Fisiche  
Univ d Napoli  
Mostra D Oltremare Pad 19  
I 80125 Napoli  
Italy  
☎ 39 81 725 3447  
✉ russo@napoli.infn.it

**Rust David M**

APL  
JHU  
Johns Hopkins Rd  
Laurel MD 20723 6099  
USA  
☎ 1 301 953 5000  
☎ 1 301 953 1093  
✉ David.rust@jhuapl.edu

**Rusu I**

Astronomical Institute  
Romanian Acad Sciences  
Cutilul de Argint 5  
RO 75212 Bucharest  
Rumania  
☎ 40 1 335 6892  
☎ 40 1 312 3391

**Rusu L**

Str Mitropolitul Iosif 47  
RO 75217 Bucharest  
Rumania

**Rutten Renee G M**

Royal Greenwich Obs  
Apt 321  
Santa Cruz de La Palma  
E 38780 Santa Cruz  
Spain  
☎ 34 2 240 5500  
☎ 34 2 240 5646/405 501

**Rutten Robert J**

Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5200  
☎ 31 30 253 1601  
✉ R.J.Rutten@astro.uu.nl

**Ruzdjak Vladimir**

Inst of Physics  
Univ of Zagreb  
Box 304  
HR 10000 Zagreb  
Croatia  
☎ 385 1 271 211

**Ruzickova-Topolova B**

Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 201  
☎ 420 2 88 1611

**Ryabchikova Tanya**

Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
☎ 7 095 230 2081

**Ryabov Yu A**

Mathematics Dpt  
MADI  
Leningradsky Pr 64  
125319 Moscow  
Russia  
☎ 7 095 155 0326

**Ryan Sean Gerard**

AAO  
Box 296  
Epping NSW 2121  
Australia  
☎ 61 2 9372 4843  
☎ 61 2 9372 4880  
✉ sgr@aaocpp.aao.gov.au

**Rybansky Milan**

Astronomical Institute  
Slovak Acad Sci  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 96 7866  
☎ 421 969 96 7656

**Rybicki George B**

Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7452  
☎ 1 617 495 7093  
✉ grybicki@cfa.harvard.edu

**Rydbeck Gustaf H B**

Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5500  
☎ 46 31 772 5550

**Rydbeck Olof E H**

Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5500  
☎ 46 31 772 5550

**Ryder Stuart**

Joint Astronomy Ctr  
660 N A'ohoku Pl  
University Park  
Hilo HI 96720  
USA  
☎ 1 808 961 3756  
☎ 1 808 961 6516  
✉ sryder@jach.hawaii.edu

**Rydgren Alfred Eric**

Boeing Aerospace Co  
MS 87 08  
Box 3999  
Seattle WA 98124 2499  
USA  
☎ 1 425 773 2155

**Rykhlova Lidija V**

Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
☎ 7 095 230 2081

**Rys Stanislaw**

Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
☎ 48 12 25 1318  
✉ strys@oa.uj.edu.pl

**Ryu Dongsu**

Dpt Astronomy/Space Sci  
Chungnam Ntl Univ  
Daejeon  
Korea RP  
☎ 82 428 21 5466  
☎ 82 428 22 8380  
✉ ryu@sirius.chungnam.ac.kr

**Ryutova Margarita P**

Inst Theor Astronomy  
Acad Sciences  
Siberian Div  
630090 Novosibirsk  
Russia  
☎ 7 383 235 9943  
☎ 7 383 235 2163  
✉ ryutova@vxinp.inp.nsk.su

**Rzhiga Oleg N**

Inst Radio/Electron  
Acad Sciences  
Marx Av 18  
103907 Moscow  
Russia

## S

**Saar Enn**

Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia  
☎ 372 7 416 625  
① 372 7 410 205  
✉ saar@aaai.tartu.  
ew.su

**Sabano Yutaka**

Astronomical Institute  
Tohoku Univ  
Sendai Aoba  
Miyagi 980  
Japan  
☎ 81 222 22 1800  
① 81 222 262 6609

**Sabau-Graziati Lola**

Inst Nacional Tec  
Aeroespacial  
Ctr Aljarvir km 4 500  
E 28850 Torrejon d Ardoz  
Spain  
☎ 34 1 520 1681  
① 34 1 520 1945  
✉ sabaumd@inta.es

**Sabbadin Franco**

Osserv Astrofisico  
Univ d Padova  
Via d Osservatorio 8  
I 36012 Asiago  
Italy  
☎ 39 424 462 665  
① 39 424 462 884

**Sack Noam**

Dpt Theor Phys  
Hebrew Univ Jerusalem  
Jerusalem 91904  
Israel  
☎ 972 2 658 4605  
① 972 2 61 1519

**Sackett Penny**

Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
① 31 50 363 6100  
✉ psackett@astro.rug.nl

**Sackmann Ingrid Juliana**

CALTECH  
Kellogg Radiation Lab  
Pasadena CA 91125  
USA  
☎ 1 818 356 4256  
① 1 818 564 8708

**Sadakane Kozo**

Astronomical Institute  
Osaka Kyoiku Univ  
4 88 Minamikawahoricho  
Osaka 543  
Japan  
☎ 81 729 76 3211 \*3124  
① 81 729 76 3269

**Sadat Rachida**

Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0757  
① 33 3 88 25 0160  
✉ sadat@astro.u-  
strasbg.fr

**Sadeh D**

Dpt Phys/Astronomy  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 420 553  
① 972 3 640 8179

**Sadik Aziz R**

SARC  
Scientific Res Council  
Box 2441  
Jadiriayah Baghdad  
Iraq  
☎ 964 1 776 5127

**Sadler Elaine Margaret**

School of Physics  
UNSW  
Sydney NSW 2006  
Australia  
☎ 61 2 935 12622  
① 61 2 9351 7726  
✉ ems@physics.usyd.  
edu.au

**Sadollah Nasiri Gheidari**

Physics Dpt  
Univ of Zanjan  
Km6 Tabriz Rd 45195 313  
Zanjan  
Iran  
☎ 98 2821 27001 4

**Sadun Alberto Carlo**

Univ of Colorado  
Campus Box 157  
Box 173364  
Denver CO 80217 3364  
USA  
☎ 1 303 556 8344  
① 1 303 556 6257  
✉ asadun@castle.cudenver.edu

**Sadzakov Sofija**

Astronomical Observ  
Volgina 7  
11050 Beograd  
Yugoslavia FR  
☎ 381 1 419 357/421 875  
① 381 1 419 553

**Saemundson Thorsteinn**

Raunvisindastofnun  
Haskolans  
Dunhaga 3  
IS 107 Reykjavik  
Iceland  
☎ 354 525 4800  
① 354 552 8911  
✉ halo@ravnis.hi.is

**Safko John L**

Dpt Phys/Astronomy  
Univ S Carolina  
Columbia SC 29208  
USA  
☎ 1 803 777 6466

**Safronov Victor S**

Inst Phys of the Earth  
Acad Sciences  
Gruzinskaya 10  
123242 Moscow  
Russia  
☎ 7 095 252 0726

**Sagdeev Roald Z**

Space Res Inst  
Acad Sciences  
Profsojuznaya Ul 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 14 66  
① 7 095 310 7023

**Sage Leslie John**

Nature  
968 Ntl Press Bldg  
529 14th St NW  
Washington DC 20045 1938  
USA  
☎ 1 202 737 2355  
① 1 202 628 1609  
✉ nature@naturedc.com

**Saggion Antonio**

Dpt Fisica G Galilei  
Univ d Padova  
Via Marzolo 8  
I 35131 Padova  
Italy  
☎ 39 49 84 4254  
① 39 49 84 4245

**Saglia Roberto Philip**

Inst Astron/Astrophysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 220 9425  
① 49 899 220 9427  
✉ saglia@hall.usm.uni-  
muenchen.de

**Saha Abhijit**

NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 318 8288  
① 1 520 318 8360  
✉ saha@noao.edu

**Saha Swapan Kumar**

IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 9902  
① 91 80 553 4043

**Sahade Jorge**

Observ Astronomico  
Paseo d Bosque S/n  
CC 677  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
① 54 21 211 761/25 8985  
✉ sahade@fcaglp.fcaglp.unlp.  
edu.ar

**Sahai Raghvendra**

CALTECH/JPL  
MS 169 506  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 0452  
① 1 818 354 8895  
✉ sahai@jplsp.jpl.nasa.gov

**Sahal-Brechot Sylvie**

Observ Paris Meudon  
DAMAP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7442  
① 33 1 45 07 7469  
✉ sahal@obspm.fr

- Sahibov Firuz H**  
Astrophys Inst  
Uzbek Acad Sci  
Sviridenko Ul 22  
734670 Dushanbe  
Tajikistan  
☎ 7 3770 23 1432  
☎ 7 3770 27 5483
- Sahni Varun**  
IUCAA  
PO Box 4  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 351 414/5  
☎ 91 212 350 760  
✉ varun@iucaa.  
ernet.in
- Sahu Kailash C**  
STSci  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4930  
☎ 1 301 338 4796  
✉ ksahu@stsci.edu
- Saijo Keiichi**  
Dpt Physical Sci  
National Science Museum  
7-20 Ueno Park Taito Ku  
Tokyo 110  
Japan  
☎ 81 382 20 111
- Saikia Dhruba Jyoti**  
NCRA/TIFR  
Pune Univ Campus Pb 3  
Ganeskhind  
Pune 411 007  
India  
☎ 91 212 33 7107  
☎ 91 212 33 5760
- Saio Hideyuki**  
Astronomical Institute  
Tohoku Univ  
Sendai Aoba  
Miyagi 980  
Japan  
☎ 81 22 222 1800\*3327  
☎ 81 22 262 6609  
✉ saio@astroa.astr.  
tohoku.ac.jp
- Saissac Joseph**  
7 r Auguste Limouzi  
F 11100 Narbonne  
France
- Saito Kuniji**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
☎ 81 422 34 3793
- Saito Mamoru**  
Astronomy Dpt  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 51 2111\*3904  
☎ 81 75 753 7010  
✉ saitom@kusastro.  
kyoto-u.ac.jp
- Saito Sumisaburo**  
Kwasan/Hida Obs  
Kyoto Univ  
Yamashina  
Kyoto 607  
Japan  
☎ 81 755 81 1235  
☎ 81 755 93 9617
- Saito Takao**  
Taihaku 3 6 29  
Sendai 980  
Japan  
☎ 81 22 245 8437  
☎ 81 222 45 8437
- Saito Takao**  
Geophys Inst  
Tohoku Univ  
Aoba Aoba-ku  
Sendai 980  
Japan  
☎ 81 22 268 4508  
☎ 81 222 68 4508
- Sakai Junichi**  
Fac of Eng  
Toyama Univ  
Toyama 930  
Japan  
☎ 81 764 41 1271
- Sakai Shoko**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 318 8255  
☎ 1 520 318 8360  
✉ shoko@noao.edu
- Sakamoto Seiichi**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 984 396  
☎ 81 267 984 339  
✉ seiichi@nro.nao.ac.jp
- Sakao Taro**  
Ntl Astronomical Obs  
Osawa 2-21-1  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3715  
☎ 81 422 34 3700  
✉ sakao@solar.mtk.nao.ac.jp
- Sakashita Shiro**  
Physics Dpt  
Hokkaido Univ  
Kita 10 Nishi 8  
Sapporo 060  
Japan  
☎ 81 117 16 2111  
☎ 81 222 85 132
- Sakhibov Firouz**  
Gartenfeldstr 41  
D 61350 Bad Homburg  
Germany  
☎ 49 6172 93 7106  
☎ 49 617 293 7106  
✉ fsakhibov@metronet.de
- Sakhibullin Nail A**  
Astronomy Dpt  
Kazan State Univ  
Lenin Ul 18  
420008 Kazan  
Russia  
☎ 7 32 3641
- Sakurai Kunitomo**  
Physics Dpt  
Kanagawa Univ  
Kanagawaku  
Yokohama 221  
Japan  
☎ 81 454 81 5661
- Sakurai Takashi**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
☎ 81 422 34 3793
- Sakurai Takeo T**  
1 10 2 Takadai  
Nagaokakyo shi 617  
Japan
- Sala Ferran**  
Dpt Fisica Atmosfera  
Univ Barcelona  
Avd Diagonal 647  
E 08028 Barcelona  
Spain  
☎ 34 3 330 7311  
☎ 34 3 402 1133
- Salas Luis**  
Observ Astronomico  
Nacional  
Box 439027  
San Diego CA 92143 9027  
USA  
☎ 1 526 174 4580  
☎ 1 52 617 44607  
✉ salas@bufadora.  
astrosen.unam.mx
- Salazar Antonio**  
ROA  
Cecilio Pujazon 22-3 A  
E 11110 San Fernando  
Spain  
☎ 34 5 688 3548  
☎ 34 5 689 9302  
✉ ccgeneral@czv1.uca.es
- Saletic Dusan**  
Astronomical Observ  
Volgina 7  
11050 Beograd  
Yugoslavia FR  
☎ 381 1 157 022  
☎ 381 1 419 553
- Salinari Piero**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52231  
☎ 39 55 22 0039
- Salisbury J W**  
US Geological Survey  
927 National Ctr  
Reston VA 22092  
USA  
☎ 1 703 860 6668
- Salo Heikki**  
Astronomy Dpt  
Univ of Oulu  
Box 333  
FIN 90570 Oulu  
Finland  
☎ 358 81 553 1931  
☎ 358 81 553 1934  
✉ heikki@seita.oulu.fi
- Salpeter Edwin E**  
Astronomy Dpt  
Cornell Univ  
512 Space Sc Bldg  
Ithaca NY 14853 6801  
USA  
☎ 1 607 255 3302  
☎ 1 607 255 5907  
✉ hann@astrosun.tn.cornell.edu
- Salter Christopher John**  
Arecibo Observ  
Box 995  
Arecibo PR 00613  
USA  
☎ 1 809 878 2612  
☎ 1 809 878 1861  
✉ csalter@naic.edu
- Salukvadze G N**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
☎ 995 88 32 98 5017
- Salvador-Sole Eduardo**  
Dpt Fisica Atmosfera  
Univ Barcelona  
Avd Diagonal 645  
E 08028 Barcelona  
Spain  
☎ 34 3 330 7311  
☎ 34 3 402 1133

**Salvati Marco**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52258  
☎ 39 55 22 0039  
✉ salvati.astro.it

**Salzer John Joseph**  
Astronomy Dpt  
Van Vleck Observ  
Wesleyan Univ  
Middletown CT 06457  
USA  
☎ 1 203 347 9411\*2827  
☎ 1 203 344 7981  
✉ slaz@parcha.astro.  
wesleyan.edu

**Samain Denys**  
IAS  
Bt 121  
Universite Paris XI  
F 91405 Orsay Cdx  
France  
☎ 33 1 69 85 8578  
☎ 33 1 69 85 8675

**Samec Ronald G**  
Physics Dpt  
Bob Jones Univ  
1700 Wade Hampton Blvd  
Greenville SC 36014  
USA  
☎ 1 864 370 1800 \*2223  
☎ 1 864 242 5100 \*2223  
✉ rsamec@wpo.bju.edu

**Sampson Douglas H**  
Astronomy Dpt  
Pennsylvania State Univ  
525 Davey Lab  
University Park PA 16802  
USA  
☎ 1 814 865 0261  
☎ 1 814 863 7114

**Sams Bruce Jones III**  
MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 3587  
☎ 49 893 299 3569  
✉ sams@mpa-garching.  
mpg.de

**Samus Nikolai N**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 939 3318  
☎ 7 095 230 2081  
✉ samus@sai.msu.su

**Sanahuja Blas**  
Dpt Fisica Atmosfera  
Univ Barcelona  
Avd Diagonal 645  
E 08028 Barcelona  
Spain  
☎ 34 3 330 7311\*298  
☎ 34 3 402 1133

**Sanamian V A**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640

**Sanchez Almeida Jorge**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117  
✉ jos@ias.es

**Sanchez Filomeno**  
Dpt Astron/Astrofisica  
Univ Valencia  
Dr Moliner 50  
E 46100 Burjassot  
Spain  
☎ 34 6 386 4755  
☎ 34 6 398 3084  
✉ filomeno@evalvx.  
ific.uv.es

**Sanchez Francisco**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Sanchez Manuel**  
ROA  
Cecilio Pujazon 22-3 A  
E 11110 San Fernando  
Spain  
☎ 34 5 688 3548  
☎ 34 5 659 9366  
✉ sanchez@roa.es

**Sanchez-Lavega Agustin**  
Dpt Fisica Aplicada  
Ets Ingenieros Ind y Tel  
Avda Urquijo S/n  
E 18013 Bilbao  
Spain  
☎ 34 4 441 6400\*353  
☎ 34 4 441 4041

**Sanchez-Saavedra M Luisa**  
Fac Ciencias  
Univ Granada  
E 18080 Granada  
Spain  
☎ 34 5 820 2212

**Sancisi Renzo**  
Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
☎ 31 50 363 6100

**Sandage Allan**  
Carnegie Observatories  
813 Santa Barbara St  
Pasadena CA 91101 1292  
USA  
☎ 1 818 577 1122  
☎ 1 818 795 8136

**Sandell Goran Hans I**  
Joint Astronomy Ctr  
660 N A'ohoku Pl  
University Park  
Hilo HI 96720  
USA

**Sanders David B**  
Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 5055  
☎ 1 808 956 9580  
✉ sanders@ifa.  
hawaii.edu

**Sanders Robert**  
Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
☎ 31 50 363 6100

**Sanders Walt L**  
2395 Delaware Av 68  
Santa Cruz CA 95060  
USA  
✉ wsanders@nmsu.edu

**Sanders Wilton Turner III**  
Physics Dpt  
Univ Wisconsin  
1150 University Av  
Madison WI 53706  
USA  
☎ 1 608 262 5916  
☎ 1 608 263 6738  
✉ sanders@dxs.ssec.  
wisc.edu

**Sandford Maxwell T II**  
LANL  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 6384  
☎ 1 505 665 4055

**Sandford Scott Alan**  
NASA/ARC  
MS 245 6  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 604 6849  
☎ 1 415 604 6779  
✉ sandford@ssa1.arc.  
nasa.gov

**Sandmann William Henry**  
Physics Dpt  
Harvey Mudd College  
Claremont CA 91711  
USA  
☎ 1 714 621 8024

**Sandqvist Aage**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjöbaden  
Sweden  
☎ 46 8 717 0380  
☎ 46 8 717 4719  
✉ sandqvist@astro.su.se

**Sanford Peter William**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050  
☎ 44 171 380 7145

**Saniga Metod**  
Astronomical Institute  
Slovak Acad Sci  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 967 866  
☎ 421 969 967 656  
✉ msaniga@auriga.ta3.sk

**Sanroma Manuel**  
Osserv d Ebro  
URL  
E 43520Tarragona  
Spain  
☎ 34 7 750 0511  
☎ 34 7 750 4660  
✉ msanroma@etse.urv.es

**Sansaturio Maria E**  
ETS  
Ingen Industriales  
Paseo d Cauce S/n  
E 47011 Valladolid  
Spain  
☎ 34 8 330 4899  
☎ 34 8 339 2026

**Santamaria Raffaele**  
Ist Universitario Navale  
Via Acton 38  
I 80133 Napoli  
Italy  
☎ 39 81 547 5135  
☎ 39 81 552 1485

**Santin Paolo**  
OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 31 99255  
☎ 39 40 30 9418

**Santos Filipe D**  
Centro Fisica Nuclear  
Univ Lisboa  
Av Prof Gamma Pinto N2  
P 1699 Lisboa Codex  
Portugal  
☎ 351 1 795 0790  
☎ 351 1 765 622  
✉ santos@ptifm

**Santos Nilton Oscar**  
 Observ Nacional  
 Rua Gl Bruce 586  
 Sao Cristovao  
 20921 030 Rio de Janeiro RJ  
 Brazil  
 ☎ 55 21 580 0235  
 ☎ 55 21 580 0332

**Sanwal Basant Ballabh**  
 Uttar Pradesh State  
 Observ  
 Po Manora Peak 263 129  
 Nainital 263 129  
 India  
 ☎ 91 59 42 2136/2583  
 ✉ sanwal@bison.obs-  
 besancon.fr

**Sanwal N B**  
 Astronomy Dpt  
 Univ of Osmania  
 Hyderabad 500 007  
 India  
 ☎ 91 71 951\*247  
 ✉ nbs@ouastr.ernet.in

**Sanyal Ashit**  
 7505 Ridgewell Cr  
 Beltsville MD 20705  
 USA

**Sanz I Subirana Jaume**  
 Dpt Mat Aplicada  
 U P Cataluna  
 Box 30002  
 E 08080 Barcelona  
 Spain  
 ☎ 34 3 401 6799  
 ☎ 34 3 401 6801  
 ✉ matjss@mat.upc.es

**Sanz Jose L**  
 Istt Fisica d Cantabria  
 C/o Facultad Ciencias  
 Avda Los Castros s/n  
 E 39005 Santander  
 Spain  
 ☎ 34 4 220 1452  
 ☎ 34 4 220 1402

**Sapar Arved**  
 Tartu Observ  
 Estonian Acad Sci  
 Toravere  
 EE 2444 Tartumaa  
 Estonia  
 ☎ 372 7 416 625  
 ☎ 372 7 410 205

**Sapre A K**  
 Physics Dpt  
 University of Ravishankar  
 Raipur 429 010  
 India  
 ☎ 91 27 064

**Sarajedini Ata**  
 San Francisco State Univ  
 Dpt Phys/Astronomy  
 1600 Holloway Av  
 San Francisco CA 94132  
 USA  
 ☎ 1 408 459 3771  
 ☎ 1 408 426 3115  
 ✉ ata@stars.sfsu.edu

**Saraso Maria**  
 Osserv Astronomico  
 d Torino  
 St Osservatorio 20  
 I 10025 Pino Torinese  
 Italy  
 ☎ 39 11 8101 924  
 ☎ 39 11 8101 930  
 ✉ saraso@to.astro.it

**Sarazin Craig L**  
 University Station  
 Univ of Virginia  
 Box 3818  
 Charlottesville VA 22903 0818  
 USA  
 ☎ 1 804 924 4903  
 ☎ 1 804 924 3104  
 ✉ cls7i@virginia.edu

**Sareyan Jean-Pierre**  
 OCA  
 Observ Nice  
 BP 139  
 F 06304 Nice Cdx 4  
 France  
 ☎ 33 4 93 89 0420  
 ☎ 33 4 92 00 3033

**Sargent Annella I**  
 CALTECH  
 MS 320 47  
 Downes Lab of Physics  
 Pasadena CA 91125  
 USA  
 ☎ 1 818 356 6622  
 ☎ 1 818 568 9352  
 ✉ afs@astro.caltech.edu

**Sargent Wallace L W**  
 CALTECH  
 Palomar Obs  
 MS 105 24  
 Pasadena CA 91125  
 USA  
 ☎ 1 818 356 4055  
 ☎ 1 818 568 1517

**Sarma M B K**  
 Astronomy Dpt  
 Univ of Osmania  
 Hyderabad 500 007  
 India  
 ☎ 91 65 228  
 ✉ mbks@ouastr.  
 ernet.in

**Sarma N V G**  
 RRI  
 Sadashivanagar  
 CV Raman Av  
 Bangalore 560 080  
 India  
 ☎ 91 80 336 0122  
 ☎ 91 80 334 0492  
 ✉ sarma@rri.ernet.in

**Sarmiento-Galan A F**  
 Instituto Astronomia  
 UNAM  
 Apt 70 264  
 Mexico DF 04510  
 Mexico  
 ☎ 52 5 622 3906  
 ☎ 52 5 616 0653  
 ✉ ansar@astroscu.unam.mx

**Sarna Marek Jacek**  
 Copernicus Astron Ctr  
 Polish Acad Sci  
 Ul Barycka 18  
 PL 00 716 Warsaw  
 Poland  
 ☎ 48 22 403 766  
 ☎ 48 22 41 0828

**Sarris Eleftherios**  
 Astronomical Institute  
 Ntl Observ Athens  
 Box 20048  
 GR 118 10 Athens  
 Greece  
 ☎ 30 1 346 1191  
 ☎ 30 1 346 4566

**Sarris Emmanuel T**  
 Dpt Elect Eng  
 Democritus Univ of Thrace  
 GR 671 00 Xanthi  
 Greece  
 ☎ 30 54 12 6948

**Sartori Leo**  
 Dpt Phys/Astronomy  
 Univ Nebraska  
 Behlen Observatory  
 Lincoln NE 68588 0111  
 USA  
 ☎ 1 402 472 2770  
 ☎ 1 402 472 2879

**Sasaki Minoru**  
 Shimoneseki City Univ  
 2-1 Daigaku-cho  
 Shimoneseki 751  
 Japan  
 ☎ 81 832 52 0288  
 ☎ 81 832 54 8691  
 ✉ sasaki-m@shimoneseki.  
 cu.ac.jp

**Sasaki Misao**  
 Physics Dpt  
 Kyoto Univ  
 Sakyo Ku  
 Kyoto 606 01  
 Japan  
 ☎ 81 757 51 3883  
 ☎ 81 75 753 3886  
 ✉ misao@jpnypit

**Sasaki Shin**  
 Physics Dpt  
 Tokyo Metropol Univ  
 1-1 Minami Ohsawa  
 Hachioji Tokyo 192 03  
 Japan  
 ☎ 81 426 77 111\*3346  
 ☎ 81 426 77 2483  
 ✉ sasaki@phys.  
 metro-u.ac.jp

**Sasaki Toshiyuki**  
 Ntl Astronomical Obs  
 2 21 1 Osawa  
 Mitaka  
 Tokyo 181  
 Japan  
 ☎ 81 422 34 3075  
 ☎ 81 422 34 3793  
 ✉ sasaki@oao.nao.ac.jp

**Sasao Tetsuo**  
 Intl Latitude Observ  
 NAOJ  
 Hoshigaoka Mizusawa Shi  
 Iwate 023  
 Japan  
 ☎ 81 197 24 7111  
 ☎ 81 197 22 7120

**Saslaw William C**  
 University Station  
 Univ of Virginia  
 Box 3818  
 Charlottesville VA 22903 0818  
 USA  
 ☎ 1 804 924 4892

**Sasselov Dimitar D**  
 Cfa  
 HCO/SAO  
 60 Garden St  
 Cambridge MA 02138 1516  
 USA  
 ☎ 1 617 495 7451  
 ☎ 1 617 495 7049  
 ✉ sasselov@cfa.harvard.edu

**Sastri Hanumath J**  
 IIA  
 Koramangala  
 Sarjapur Rd  
 Bangalore 560 034  
 India  
 ☎ 91 80 356 6585  
 ☎ 91 80 553 4043

**Sastry Ch V**  
 IIA  
 Koramangala  
 Sarjapur Rd  
 Bangalore 560 034  
 India  
 ☎ 91 80 356 6585  
 ☎ 91 80 553 4043

**Sastry Shankara K**  
 Astronomy Dpt  
 Univ of Osmania  
 Hyderabad 500 007  
 India  
 ☎ 91 71 951

**Sato Fumio**  
 Dpt Astron/Earth Sci  
 Tokyo Gakugei Univ  
 Koganei  
 Tokyo 184  
 Japan  
 ☎ 81 423 25 2111  
 ☎ 81 423 25 4219

**Sato Humitaka**  
 Physics Dpt  
 Kyoto Univ  
 Sakyo Ku  
 Sakyo 606 01  
 Japan  
 ☎ 81 757 53 7008  
 ☎ 81 75 753 7010



**Sato Katsuhiko**

Physics Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 381 22 111\*4207  
☎ 81 356 89 0465  
✉ sato@phys.s.u-  
tokyo.ac.jp

**Sato Koichi**

Intl Latitude Observ  
NAOJ  
Hoshigaoka Mizusawa Shi  
Iwate 023  
Japan  
☎ 81 197 24 7111  
☎ 81 197 22 7120

**Sato Massae**

LAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
☎ 55 11 276 3848

**Sato Naonobu**

Akita Univ  
1-1 Tegata Gakuencho  
Akita 010  
Japan  
☎ 81 188 33 5261

**Sato Shinji**

Astrophysics Dpt  
Nagoya Univ  
Furocho Chikusa Ku  
Nagoya 464 01  
Japan  
☎ 81 527 89 2953  
☎ 81 527 89 2919  
✉ sato@toyo.phys.  
nagoya-u.ac.jp

**Sato Shuji**

Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 41 3643  
☎ 81 422 41 3776

**Sato Yuzo**

4 8 19 Osawa  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
☎ 81 422 34 3793

**Sault Robert**

AAO  
ATNF  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 28 680 310  
✉ rsault@atnf.csiro.au

**Saunders Richard D E**

MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 274  
☎ 44 12 23 354 599

**Sauval A Jacques**

Koninklijke Sterrenwacht  
van Belgie  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0203  
☎ 32 2 374 9822  
✉ Jacques.Sauval@  
oma.be

**Savage Ann**

AAO  
UK Schmidt Telescope  
Private Bag  
Coonabarabran NSW 2357  
Australia  
☎ 61 68 426 311  
☎ 61 68 846 298

**Savage Blair D**

Astronomy Dpt  
Univ Wisconsin  
475 N Charter St  
Madison WI 53706 1582  
USA  
☎ 1 608 262 3072  
☎ 1 608 263 0361  
✉ savage@madraf.astro.  
wisc.edu

**Savanov Igor S**

Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71113  
☎ 380 6554 40704  
✉ savanov@crao.  
crimea.ua

**Savedoff Malcolm P**

Dpt Phys/Astronomy  
Univ of Rochester  
Bausch & Lomb Bldg  
Rochester NY 14627 0171  
USA  
☎ 1 716 275 3089  
☎ 1 716 275 4351  
✉ mpsa@pas.rochester.edu

**Saverio Delli Santi**

Dpt Astronomia  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 334  
☎ 39 51 259 407  
✉ dellisanti@astbo3.bo.astro.it

**Savonije Gerrit Jan**

Astronomical Institute  
Univ of Amsterdam  
Kruislaan 403  
NL 1098 SJ Amsterdam  
Netherlands  
☎ 31 20 525 7497/7491  
☎ 31 20 525 7484  
✉ gertjan@astro.uva.nl

**Sawa Takeyasu**

Dpt Phys/Astronomy  
Aichi Univ of Edu  
Kariya  
Aichi 448  
Japan  
☎ 81 566 36 3111  
☎ 81 566 36 4337  
✉ sawa@aeuphys.  
aichi-edu.ac.jp

**Sawant Hanumant S**

INPE  
Dpt Astronomia  
CP 515  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 123 22 9977  
☎ 55 123 21 8743

**Sawyer Constance B**

850 20th St 705  
Boulder CO 80302  
USA  
✉ sawyer@stripe.  
colorado.edu

**Saxena A K**

IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585/6497  
☎ 91 80 553 4043

**Saxena P P**

Dpt Maths/Astronomy  
Univ of Lucknow  
Lucknow  
India  
☎ 91 522 330 065  
✉ lkuniv@sirnetd.  
ernet.in

**Saygac A Talat**

Univ Observ  
Univ of Istanbul  
University 34452  
34452 Istanbul  
Turkey  
☎ 90 212 522 3597  
☎ 90 212 519 0834  
✉ IK131@triumv11.  
iap.fr

**Sazhin Michail**

SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 5006  
☎ 7 095 939 0126  
✉ snn@sai.msk.su

**Sbirikova-Natcheva T**

Ntl Astronomical Obs  
Astronomical Observ  
Box 136  
BG 4700 Smoljan  
Bulgaria  
☎ 359 3 02 2953

**Scalise Eugenio**

INPE  
Dpt Astronomia  
CP 515  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 123 45 6814  
☎ 55 12 345 6822  
✉ scalise@das.inpe.br

**Scalo John Michael**

Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 4461  
☎ 1 512 471 6016

**Scaltriti Franco**

Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9000  
☎ 39 11 461 9030

**Scappini Flavio**

Istt Spectroscop Mol  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 8510  
☎ 39 51 639 8540  
✉ scappini@astbo1.bo.cnr.it

**Scardia Marco**

Osserv Astronomico  
d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy  
☎ 39 990 6412  
☎ 39 990 8492

**Scarfe Colin D**

Dpt Phys/Astronomy  
Univ of Victoria  
Box 3055  
Victoria BC V8W 3P6  
Canada  
☎ 1 250 721 7740  
☎ 1 250 721 7715  
✉ scarfe@uvphys.phys.uvic.ca

**Scargle Jeffrey D**

NASA/ARC  
MS 245 3  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 694 6330  
☎ 1 415 604 6779

**Scarrott Stanley M**  
Physics Dpt  
Univ of Durham  
South Rd  
Durham DH1 3LE  
UK  
☎ 44 191 374 2000  
① 44 191 374 3749

**Schaal Ricardo E**  
CRAAE INPE  
EPUSP/PTR  
CP 61548  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 815 6289  
① 55 11 815 4272  
✉ ecorreia@brusp.  
ansp.br

**Schadee Aert**  
Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5208  
① 31 30 253 1601  
✉ a.schadee@astro.  
uu.nl

**Schaefer Gerhard**  
Max Planck Gesellschaft  
AG Gravitationstheorie  
Max Wien Platz 1  
D 07745 Jena  
Germany  
☎ 49 364 163 6643  
① 49 364 163 6728

**Schaerer Daniel**  
OMP  
14 Av E. Berlin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 33 2929  
① 33 5 61 33 2840  
✉ schaeerer@srvdec.  
obs-mip.fr

**Schafers Karl**  
Steinbachweg 37  
D 69000 Heidelberg  
Germany  
☎ 49 622 180 1511

**Schaller Gerard**  
Universite Geneve  
Universite Dufour  
Service Informatiques  
CH 1211 Geneve 4  
Switzerland  
☎ 41 22 705 7187  
① 41 22 705 7986  
✉ Gerard.schaller@seinf.  
unige.ch

**Schanda Erwin**  
Buendackerstr 108  
CH 3047 Bremgarten BE  
Switzerland  
☎ 41 31 65 8910

**Scharmer Goeran Bjarne**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Salsjöbaden  
Sweden  
☎ 46 8 717 0195  
① 46 8 717 4719  
✉ scharmer@astro.su.se

**Schatten Kenneth H**  
NASA/GSFC  
Code 925  
Greenbelt MD 20771  
USA  
☎ 1 301 286 3831  
① 64 301 286 1757  
✉ schatten@gssc.  
nasa.gov

**Schatzman Evry**  
Observ Paris Meudon  
DASGAL  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7873  
① 33 1 45 07 7878

**Schechter Paul L**  
Physics Dpt  
MIT Rm 6 206  
Box 165  
Cambridge MA 02139 4307  
USA  
☎ 1 617 253 0690  
① 1 617 253 9798  
✉ schech@achernar.  
mit.edu

**Scheepmaker Anton**  
Cosmic Ray WG  
Huygens Lab  
Wassenaarseweg 78  
NL 2300 RA Leiden  
Netherlands

**Scheffler Helmut**  
Carl-orff-weg 16  
D 6906 Leimen 3  
Germany

**Scheidecker Jean-Paul**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
① 33 4 92 00 3033

**Scherb Frank**  
Physics Dpt  
Univ Wisconsin  
1150 University Av  
Madison WI 53706  
USA  
☎ 1 608 262 6879  
① 1 608 262 3077

**Scherrer Philip H**  
HEPL  
Stanford Univ  
Annex B211  
Stanford CA 94305 4085  
USA  
✉ pscherrer@solar.stanford.edu

**Scheuer Peter A G**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 307  
① 44 12 23 354 599  
✉ pags@mrao.cam.  
ac.uk

**Schilbach Elena**  
Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9335  
① 49 331 749 9309  
✉ eschilbach@aip.de

**Schild Hansruedi**  
Inst Astronomie  
ETH Zentrum  
CH 8092 Zuerich  
Switzerland  
☎ 41 1 632 3633  
① 41 1 632 1205  
✉ hschild@astro.phys.  
ethz.ch

**Schild Rudolph E**  
CFA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7426  
① 1 617 495 7356

**Schildknecht Thomas**  
Astronomical Institute  
Univ Bern  
Sidlerstr 5  
CH 3012 Bern  
Switzerland  
☎ 41 31 631 8591  
① 41 31 631 3869  
✉ schild@aaiub.unibe.ch

**Schilz Richard T**  
NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 521 59 5100  
① 31 52 159 7332  
✉ rts@nfra.nl

**Schiller Stephen**  
Physics Dpt  
South Dakota State Univ  
Box 2219 Room 310b  
Brookings SD 57007  
USA  
☎ 1 605 688 4293

**Schindler Karl**  
Inst Theor Physik  
Ruhr Univ Bochum  
Postfach 102148  
D 44780 Bochum  
Germany  
☎ 49 234 700 3454  
① 49 234 709 4169

**Schindler Sabine**  
MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 3219  
① 49 893 299 3235  
✉ sas@mpe-garching.mpg.de

**Schlegel Eric Matthew**  
NASA/GSFC  
Code 668  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6636  
① 1 301 286 3391  
✉ eric@heasf.gsfc.nasa.gov

**Schleicher David G**  
Lowell Observ  
1400 W Mars Hill Rd  
Box 1149  
Flagstaff AZ 86001  
USA  
☎ 1 602 774 3358  
① 1 520 774 3358

**Schleicher Helmut**  
Kiepenheuer Institut  
f Sonnenphysik  
Schoneckstr 6  
D 79104 Freiburg Breisgau  
Germany  
☎ 49 761 319 8226  
① 49 761 319 8111  
✉ schleicher@kis.uni-freiburg.de

**Schlesinger Barry M**  
Hughes STX Corp  
7701 Greenbelt Rd  
Suite 400  
Greenbelt MD 20770  
USA  
☎ 1 301 286 1069  
✉ bschlesinger@nssdca.gsfc.  
nasa.gov

**Schlickeiser Reinhard**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 1  
① 49 228 525 229

**Schoerb F Peter**  
Dpt Phys/Astronomy  
Univ Massachusetts  
GRC  
Amherst MA 01003  
USA  
☎ 1 413 545 4303

**Schlösser Wolfhard**  
Astronomisches Institut  
Ruhr Univ Bochum  
Postfach 102148  
D 44780 Bochum  
Germany  
☎ 49 234 700 3454  
① 49 234 709 4169

**Schlueter A**  
MPI Plasmaphysik  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 347  
ⓞ 49 893 299 3235

**Schlueter Dieter**  
Inst Theor Phys/  
Sternwarte Univ Kiel  
Olshausenstr 40  
D 24098 Kiel  
Germany  
☎ 49 431 880 4109  
ⓞ 49 431 880 4432

**Schmadel Lutz D**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 50  
ⓞ 49 622 140 5297  
✉ 531@mvs.urz.uni-  
heidelberg.de

**Schmahl Edward J**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 454 6074  
ⓞ 1 301 314 9067

**Schmalberger Donald C**  
The Albany Academy  
Academy Rd  
Albany NY 12208  
USA  
☎ 1 518 465 1461

**Schmeidler F**  
Mauerkircherstr 17  
D 8000 Muenchen 80  
Germany

**Schmelz Joan T**  
NASA GSFC  
Smm Xrp  
Greenbelt MD 20771  
USA  
☎ 1 301 220 4164  
ⓞ 1 301 220 4171

**Schmid Hans Martin**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9222  
ⓞ 49 622 150 9202  
✉ hschmid@lsw.uni-  
heidelberg.de

**Schmid-Burgk J**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 271  
ⓞ 49 228 525 229

**Schmidt Edward G**  
Dpt Phys/Astronomy  
Univ Nebraska  
Behlen Observatory  
Lincoln NE 68588 0111  
USA  
☎ 1 402 472 2788  
ⓞ 1 402 472 2879  
✉ eschmidt@unlinfo.  
unl.edu

**Schmidt H U**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 9413/4  
ⓞ 49 893 299 3235

**Schmidt Hans**  
Wachsbleiche 5  
D 53111 Bonn  
Germany

**Schmidt K H**  
Znrlinst Astrophysik  
Sternwarte Babelsberg  
Rosa Luxemburg Str 17a  
D 14473 Potsdam  
Germany  
☎ 49 331 762225  
✉ khshmidt@aip.de

**Schmidt Maarten**  
CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 356 4204  
ⓞ 1 818 568 9352

**Schmidt Thomas**  
Rudolf Steiner Schule  
an d Probstei 23  
D 48000 Bielefeld 1  
Germany  
☎ 49 521 880 407

**Schmidt Wolfgang**  
Kiepenheuer Inst  
Sonnenphysik  
Schoeneckstr 6  
D 79104 Freiburg Breisgau  
Germany  
☎ 49 761 319 8162  
ⓞ 49 761 3198 111  
✉ wolfgang@kis.uni-  
freiburg.de

**Schmidt-Kaler Theodor**  
Georg Buechner Str 37  
D 97176 Margetschoechheim  
Germany

**Schmidtke Paul C**  
Physics Dpt  
Arizona State Univ  
Astronomy Program  
Tempe AZ 85287 1504  
USA  
☎ 1 602 965 2918  
ⓞ 1 605 965 7954

**Schmieder Brigitte**  
Observ Paris Meudon  
DASOP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7817  
ⓞ 33 1 45 07 7959  
✉ schmieder@obsppm.fr

**Schmitt Dieter**  
Univ Sternwarte  
Goettingen  
Geismarlandstr 11  
D 37083 Goettingen  
Germany  
☎ 49 551 395 046  
ⓞ 49 551 395 043

**Schmitter Edward F**  
Physics Dpt  
Univ of Lagos  
Akoka  
Lagos PMB 1004  
Nigeria  
☎ 234 1 83 7864

**Schmutz Werner**  
Inst Astronomie  
ETH Zentrum  
CH 8092 Zuerich  
Switzerland  
☎ 41 1 632 3806  
ⓞ 41 1 632 1205

**Schneider Donald P**  
Astronomy Dpt  
Pennsylvania State Univ  
525 Davey Lab  
University Park PA 16802  
USA  
☎ 1 814 863 9554  
ⓞ 1 814 863 3399  
✉ dps@astro.psu.edu

**Schneider Glenn H**  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 5865  
ⓞ 1 520 621 1891  
✉ gschneider@as.  
arizona.edu

**Schneider Jean**  
Observ Paris Meudon  
DARC  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7430  
ⓞ 33 1 45 07 7971  
✉ schneider@obsppm.fr

**Schneider Nicholas M**  
LASP  
Univ of Colorado  
Campus Box 392  
Boulder CO 80309 0392  
USA  
☎ 1 303 492 7672  
ⓞ 1 303 492 6946  
✉ nick@pele.colorado.edu

**Schneider Peter**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 00  
ⓞ 49 893 299 3235  
✉ peter@mpa-garching.mpg.de

**Schnell Anneliese**  
Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 345 36093  
ⓞ 43 1 470 6015

**Schness Matthew H**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7472  
ⓞ 1 617 495 7356

**Schnopper Herbert W**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 496 7763  
ⓞ 1 617 496 7577  
✉ hscnopper@cfa.harvard.edu

**Schober Hans J**  
Inst Astronomie  
Karl-Franzens-Univ  
Universitaetsplatz 5  
A 8010 Graz  
Austria  
☎ 43 316 380 5273  
ⓞ 43 316 384 091

**Schoeffel Eberhard F**  
Merianerstr 42  
D 8600 Bamberg  
Germany

**Schoenberger Detlef**  
Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9395  
ⓞ 49 331 749 9526  
✉ DeSchoenberger@aip.de

**Schoeneich W**  
Znrlinst Astrophysik  
Sternwarte Babelsberg  
Rosa Luxemburg Str 17a  
D 14473 Potsdam  
Germany  
☎ 49 331 762225

**Schoenfelder Volker**  
MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 578  
ⓞ 49 893 299 3569

**Scholl Hans**

OCA  
 Observ Nice  
 BP 139  
 F 06304 Nice Cdx 4  
 France  
 ☎ 33 4 93 89 0420  
 Ⓣ 33 4 92 00 3033

**Scholz Gerhard**

AIP  
 SOE  
 Telegrafenberg  
 D 14473 Potsdam  
 Germany  
 ☎ 49 331 288 2309  
 Ⓣ 49 331 288 2310  
 ✉ gscholz@aip.fr

**Scholz M**

Inst Theor Astrophysik  
 d Univer  
 Tiergartenstr 15  
 D 69121 Heidelberg  
 Germany  
 ☎ 49 622 154 4837  
 Ⓣ 49 622 154 4221  
 ✉ b15@rw.iwe.uni-heidelberg.de

**Scholz Ralf Dieter**

Astrophysik Inst  
 Potsdam Univ  
 an d Sternwarte 16  
 D 14482 Potsdam  
 Germany  
 ☎ 49 331 749 9336  
 Ⓣ 49 331 749 9309  
 ✉ rdscholz@aip.de

**Schoolman Stephen A**

Lockheed Palo Alto Res Lb  
 Dpt 91 20 Bg 255  
 3251 Hanover St  
 Palo Alto CA 94304 1191  
 USA  
 ☎ 1 415 858 4074  
 Ⓣ 1 415 424 3994

**Schramm K Jochen**

Megaphot Ev  
 Univ Hamburg  
 Gojenbergsweg 112  
 D 21029 Hamburg  
 Germany  
 ☎ 49 407 252 4121  
 Ⓣ 49 407 252 4198  
 ✉ jschramm@hs.uni-hamburg.de

**Schramm Thomas**

Hamburger Sternwarte  
 Univ Hamburg  
 Gojenbergsweg 112  
 D 21029 Hamburg  
 Germany  
 ☎ 49 407 252 4126  
 Ⓣ 49 407 252 4198  
 ✉ tschramm@hs.uni-hamburg.de

**Schreiber Roman**

NCAC  
 Polish Acad Sciences  
 Ul Rabińska 8  
 PL 87 100 Torun  
 Poland  
 ☎ 48 56 19 319  
 Ⓣ 48 56 19 381  
 ✉ schreiber@ncac.torun.pl

**Schreier Ethan J**

STScI  
 Homewood Campus  
 3700 San Martin Dr  
 Baltimore MD 21218  
 USA  
 ☎ 1 301 338 4740  
 Ⓣ 1 301 338 2519  
 ✉ schreier@stsci.edu

**Schrijver C J**

Sterrekundig Inst Utrecht  
 Box 80000  
 NL 3508 TA Utrecht  
 Netherlands  
 ☎ 31 30 253 5224  
 Ⓣ 31 30 254 1601  
 ✉ kschrijver@solar

**Schrijver Johannes**

SRON  
 Postbus 800  
 Sorbonnelaan 2  
 NL 3584 CA Utrecht  
 Netherlands  
 ☎ 31 30 253 5728  
 Ⓣ 31 30 254 0860  
 ✉ hanss@srn.ruu.nl

**Schroeder Daniel J**

Dpt Phys/Astronomy  
 Beloit College  
 Beloit WI 53511  
 USA  
 ☎ 1 608 365 3391

**Schroeder Klaus Peter**

Hamburger Sternwarte  
 Univ Hamburg  
 Gojenbergsweg 112  
 D 21029 Hamburg  
 Germany  
 ☎ 49 407 252 4141  
 Ⓣ 49 407 252 4198

**Schroeder Rolf**

DESY Deutsches Elek  
 Synchrotron  
 Moeckerweg 37  
 D 21029 Hamburg  
 Germany  
 ☎ 49 407 244 650  
 Ⓣ 49 40 8998 4303  
 ✉ r.schroeder@bergedorf.de  
 schroeder@desy.de

**Schroeter Egon H**

Kiepenheuer Inst  
 Sonnenphysik  
 Schoneckstr 6  
 D 79104 Freiburg Breisgau  
 Germany  
 ☎ 49 761 328 64  
 Ⓣ 49 761 319 8111

**Schroll Alfred**

Sonnenobservatorium  
 Kanzelhöhe  
 A 9521 Treffen  
 Austria  
 ☎ 43 424 82717

**Schrufer Eberhard**

IAEF  
 Univ Bonn  
 auf d Huegel 71  
 D 53121 Bonn  
 Germany  
 ☎ 49 228 73 3390  
 Ⓣ 49 228 73 3672

**Schubart Joachim**

ARI  
 Moenchhofstr 12-14  
 D 69120 Heidelberg  
 Germany  
 ☎ 49 622 140 5153  
 Ⓣ 49 622 140 5297  
 ✉ s24@aixterm1.urz.uni-heidelberg.de

**Schuch Nelson Jorge**

Observ Nacional  
 UFSP/ctro Tecnologia  
 Cidade Universitaria  
 97100 Santa Maria RS  
 Brazil  
 ☎ 55 552 26 1616

**Schuecker Peter**

Astronomisches Institut  
 Univ Muenster  
 Wilhelm Klemm Str 10  
 D 48149 Muenster  
 Germany  
 ☎ 49 251 83 9128  
 Ⓣ 49 251 833 669  
 ✉ peter@cygnus.uni-muenster.de

**Schuecking E L**

Physics Dpt  
 New York Univ  
 4 Washington  
 New York NY 10003  
 USA  
 ☎ 1 212 998 770  
 Ⓣ 1 212 995 4016

**Schuessler Manfred**

Kiepenheuer Inst  
 Sonnenphysik  
 Schoneckstr 6  
 D 79104 Freiburg Breisgau  
 Germany  
 ☎ 49 761 328 64  
 Ⓣ 49 761 319 8111

**Schuler Walter**

Sonnenrain 15  
 CH 4533 Riedholz  
 Switzerland  
 ☎ 41 65 23 2055

**Schulte D H**

ITEK Corp  
 10 Maguire Rd  
 Lexington MA 02173  
 USA  
 ☎ 1 617 276 2532

**Schulte-Ladbeck Regina E**

Dpt Phys/Astronomy  
 Univ of Pittsburgh  
 3941 O-hara St  
 Pittsburgh PA 15260  
 USA  
 ☎ 1 412 624 9013  
 Ⓣ 1 412 624 1833  
 ✉ rsl@vms.cis.pitt.edu

**Schultz Alfred Bernard**

STSci/CSC  
 Homewood Campus  
 3700 San Martin Dr  
 Baltimore MD 21218  
 USA  
 ☎ 1 301 338 5044  
 Ⓣ 1 301 338 4767  
 ✉ schultz@stsci.edu

**Schultz G V**

RAIUB  
 Univ Bonn  
 auf d Huegel 69  
 D 53121 Bonn  
 Germany  
 ☎ 49 228 525 291  
 Ⓣ 49 228 525 229

**Schulz Hartmut**

Astronomisches Institut  
 Ruhr Univ Bochum  
 Postfach 102148  
 D 44780 Bochum  
 Germany  
 ☎ 49 234 700 3454  
 Ⓣ 49 234 709 4169

**Schulz Rolf Andreas**

RAIUB  
 Univ Bonn  
 auf d Huegel 69  
 D 53121 Bonn  
 Germany  
 ☎ 49 228 525 232  
 Ⓣ 49 228 525 229

**Schumacher Gerard**

OCA  
 Observ Calern/Caussols  
 2130 r Observatoire  
 F 06460 S Vallier Thiey  
 France  
 ☎ 33 4 93 42 6270

**Schumann Joerg Dieter**

Observatorium Hoher List  
 Univ Sternwarte Bonn  
 D 54550 Daun  
 Germany  
 ☎ 49 65 92 2937  
 Ⓣ 49 65 92 9851 40

**Schuster William John**

Observ Astronomico Nacional  
 UNAM  
 Apt 877  
 Ensenada CC 22800  
 Mexico  
 ☎ 52 6 174 4580  
 Ⓣ 52 6 174 4607  
 ✉ schuster@bufadora.astrsen.unam.mx

**Schutte Willem Albert**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5944  
☎ 31 71 5275 819  
✉ schutte@strwchem.  
leidenuniv.nl

**Schutz Bernard F**  
MPI Gravitational Phys  
Haus d Wirtschaft  
Schlaatzweg 1  
D 14473 Potsdam  
Germany

**Schutz Bob Ewald**  
CSR  
Univ of Texas  
Austin TX 78759  
USA  
☎ 1 512 471 1356  
☎ 1 512 471 3570

**Schwan Heiner**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 50  
☎ 49 622 140 5297  
✉ s25@ix.urz.uni-  
heidelberg.de

**Schwartz Daniel A**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7232  
☎ 1 617 495 7356  
✉ das@cfa.harvard.edu

**Schwartz Philip R**  
NRL  
Code 4138  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 3391

**Schwartz Richard D**  
Physics Dpt  
Univ of Missouri  
8001 Natural Bridge Rd  
St Louis MO 63121  
USA  
☎ 1 314 553 5025  
☎ 1 314 516 6152

**Schwartz Rolf**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 303  
☎ 49 228 525 229

**Schwartz Steven Jay**  
Astronomy Unit  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5454  
☎ 44 181 981 9587

**Schwarz Hugo E**  
Nordic Optical Telescope  
Apt 474  
E 38700 Santa Cruz  
Spain  
☎ 34 2 240 5500  
☎ 34 2 240 5646/405 501  
✉ hschwarz@not.iac.es

**Schwarz Ulrich J**  
Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
☎ 31 50 363 6100

**Schwarzenberg-Czerny A**  
Astronomical Observ  
Warsaw Univ  
Al Ujazdowskie 4  
PL 00 478 Warsaw  
Poland  
☎ 48 22 29 4011  
☎ 48 22 29 4967  
✉ czerny@camk.edu.pl

**Schwehm Gerhard**  
ESA/ESTEC  
SSD  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 6555  
☎ 31 71 565 4690

**Schweizer Francois**  
Dpt Terrestre Magnetism  
Carnegie Inst Washington  
5241 Bd Branch Rd NW  
Washington DC 20015 1305  
USA  
☎ 1 202 686 4370\*4401  
✉ schweizer@bmr.  
ciw.edu

**Schwekendiek Peter**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 5128  
☎ 49 622 140 5297  
✉ peter@auriga.ari.uni-  
heidelberg.de

**Schwöpe Axel**  
Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9232  
☎ 49 331 749 9309  
✉ aschwöpe@aip.de

**Sciama Dennis W**  
ICTP  
St Costiera 11  
Miramare  
I 34014 Trieste  
Italy  
☎ 39 40 22 4118  
☎ 39 40 22 4163

**Sciortino Salvatore**  
Osserv Astronomico  
Univ d Palermo  
Piazza Parlamento 1  
I 90134 Palermo  
Italy  
☎ 39 91 657 0451  
☎ 39 91 48 8900

**Sconzo Pasquale**  
29 Old Mystic St  
Arlington MA 02174  
USA  
☎ 1 617 646 9315

**Scorza de Appl Cecilia**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9214  
☎ 49 622 150 9202  
✉ cscorza@hp2.lsw.uni-  
heidelberg.de

**Scott Douglas**  
Dpt Phys/Astronomy  
UBC  
2219 Main Mall  
Vancouver BC V6T 1Z4  
Canada  
☎ 1 604 822 2802  
☎ 1 604 822 6047  
✉ dscott@astro.ubc.ca

**Scott Eugene Howard**  
NASA GSFC  
Code 684 9  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8746

**Scott John S**  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 2288  
☎ 1 520 621 1532

**Scott Paul F**  
MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 294  
☎ 44 12 23 354 599

**Scoville Nicholas Z**  
CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 356 4979  
☎ 1 818 568 9352

**Springer J Norman**  
Astronomy Dpt  
St Mary's Univ  
Halifax NS B3H 3C3  
Canada  
☎ 1 902 420 5633  
☎ 1 902 420 5561

**Scuflaire Richard**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7530  
☎ 32 4 254 7511  
✉ R.Scuflaire@ulg.ac.be

**Seauquist Ernest R**  
Astronomy Dpt  
Univ of Toronto  
60 St George St  
Toronto ON M5S 1A1  
Canada  
☎ 1 416 978 3146  
☎ 1 416 978 3921  
✉ seauquist@astro.  
utoronto.ca

**Searle Leonard**  
Carnegie Observatories  
813 Santa Barbara St  
Pasadena CA 91101 1292  
USA  
☎ 1 818 577 1122  
☎ 1 818 795 8136

**Sears Richard Langley**  
Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 763 3295  
☎ 1 313 764 2211

**Seaton Michael J**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050  
☎ 44 171 380 7145

**Secco Luigi**  
Dpt Astronomia  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
☎ 39 49 875 9840

**Sedlmayer Erwin**  
Inst Astron/Astrophysik  
Technische Uni  
Hardenbergstr 36  
D 10623 Berlin  
Germany  
☎ 49 303 142 3783  
☎ 49 303 142 3018

- Sedmak Giorgio**  
Dpt Astronomia  
Univ d Trieste  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 79 4863  
① 39 40 30 9418
- Sedrakian David**  
Ntl Acad Sci  
Bagramian 24  
375049 Yerevan  
Armenia  
☎ 374 88 52 52 7051
- Seeds Michael August**  
Astronomy Program  
Franklin/Marshall College  
Lancaster PA 17604 3003  
USA  
☎ 1 717 291 3800  
① 1 717 291 4143  
✉ m\_seeds@fandm
- Seeger Charles Louis III**  
San Francisco State Univ  
473 James Rd  
Palo Alto CA 94306  
USA  
☎ 1 415 493 6005
- Seeger Philip A**  
LANL  
MS HR05  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 8843  
① 1 505 665 4055
- Segal Irving E**  
Mathematics Dpt  
MIT Rm 2 224  
Box 165  
Cambridge MA 02139  
USA  
☎ 1 617 253 4985
- Segaluvitz Alexander**  
Box 659  
Kefar Sava  
Israel
- Segan Steve**  
Astronomy Dpt  
Univ of Belgrade  
Studentski Trg 16  
11000 Beograd  
Yugoslavia FR  
☎ 381 11 638 715  
① 381 11 630 151
- Seggewiss Wilhelm**  
Observatorium Hoher List  
Univ Sternwarte Bonn  
D 54550 Daun  
Germany  
☎ 49 65 92 2150  
① 49 65 92 9851 40  
✉ seggewiss@astro.uni-bonn.de
- Sehnal Ladislav**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7113  
① 420 2 88 1611  
✉ isehnal@asu.cas.cz
- Seidelmann P Kenneth**  
USNO  
3450 Massachusetts Av NW  
Washington DC 20392 5100  
USA  
☎ 1 202 762 1441  
① 1 202 762 1516  
✉ pks@spica.usno.navy.mil
- Seiden Philip E**  
IBM  
T J Watson Res Ctr  
Box 218  
Yorktown Heights NY 10598  
USA  
☎ 1 914 945 1424
- Seidov Zakir F**  
Shemakha Astrophysical  
Observ  
Azerbaijan Acad Sci  
373243 Shemakha  
Azerbaijan  
☎ 994 89 22 39 8248
- Seitelstad George A**  
UND Aerospace  
Box 9007  
Grand Forks ND 58202  
USA  
✉ landei@aero.und.nodak.edu
- Seifert Walter**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9232  
① 49 622 150 9202  
✉ wseifert@lsw.uni-heidelberg.de
- Seimemis John**  
Mathematics Dpt  
Univ of The Aegean  
GR 83200 Samos  
Greece  
☎ 30 94 39 2999  
① 30 1 268 1990  
✉ isei@iu.aegean.gr
- Sein-Echaluce M Luisa**  
Dpt Mat Aplicada  
Univ Zaragoza  
E 50009 Zaragoza  
Spain  
☎ 34 7 676 1000  
① 34 7 676 1140
- Setradakis John Hugh**  
Astronomy Lab  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 8173  
① 30 31 99 5384  
✉ jhs@astro.auth.gr
- Seitter Waltraut C**  
Astronomisches Institut  
Univ Muenster  
Wilhelm Klemm Str 10  
D 48149 Muenster  
Germany  
☎ 49 251 833 561  
① 49 251 833 669  
✉ waltraut@cygnus.uni-muenster.de
- Sekanina Zdenek**  
CALTECH/JPL  
MS 169 237  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 7589  
① 1 818 393 6030  
✉ zs@sek.jpl.nasa.gov
- Seki Munezo**  
Astron Institute  
Tohoku Univ  
Kawauchi  
Sendai 980 77  
Japan  
☎ 81 222 217 7757  
① 81 222 263 9279  
✉ seki@astroa.astr.tohoku.ac.jp
- Sekiguchi Kazuhiro**  
Joint Astronomy Ctr  
660 N A'ohoku Pl  
University Park  
Hilo HI 96720  
USA  
☎ 1 808 934 5905  
① 1 808 934 5984  
✉ kaz@subaru.naoj.org
- Sekiguchi Maki**  
Ntl Astronomical Obs  
2 21 1 Osawa  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3643  
① 81 422 34 3776  
✉ osekigu@cl.mtk.nao.ac.jp
- Sekiguchi Naosuke**  
Musashidai 3-16-8  
FUCHU  
Tokyo 183  
Japan  
☎ 81 338 12 2111\*4217  
① 81 356 84 5291  
✉ sekimoto@phys.s.u-tokyo.ac.jp
- Selgren Kristen**  
Astronomy Dpt  
Ohio State Univ  
Rm 5036 Smith Lab  
Columbus OH 43210  
USA  
☎ 1 614 282 1898  
① 1 614 292 2928  
✉ sellgren@payne.mps.ohio-state.edu
- Sellwood Jerry A**  
Dpt Phys/Astronomy  
Rutgers Univ  
Box 849  
Piscataway NJ 08854 0849  
USA  
☎ 1 908 445 2501  
① 1 908 932 4343
- Selvelli Pierluigi**  
OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 31 99269  
① 39 40 30 9418
- Semel Meir**  
Observ Paris Meudon  
DASOP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7790  
① 33 1 45 07 7971
- Semeniuk Irena**  
Astronomical Observ  
Warsaw Univ  
Al Ujazdowskie 4  
PL 00 478 Warsaw  
Poland  
☎ 48 22 29 4011  
① 48 22 29 4697
- Semenzato Roberto**  
Dpt Fisica G Galilei  
Univ d Padova  
Via Marzolo 8  
I 35131 Padova  
Italy  
☎ 39 49 84 4247  
① 39 49 84 4245
- Semkov Evgeni**  
Inst of Astronomy  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 743 1739  
① 359 2 975 3201  
✉ evgeni@wfpa.acad.bg
- Sengbusch Kurt V**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 00  
① 49 893 299 3235

**Sequeiros Juan**

Dpt Fisica  
Univ Alcalá  
Apt 20  
E 28800 Alcalá d Henares  
Spain  
☎ 34 1 889 4940  
① 34 1 889 4953

**Serabyn Eugene**

CALTECH  
MS 320 47  
Pasadena CA 91125  
USA  
☎ 1 818 395 6664  
① 1 818 796 8806  
✉ serabyn@tacos.caltech.edu

**Serafin Richard A**

Uhländstr 46  
D 46047 Oberhausen  
Germany  
☎ 49 208 889 102

**Serio Salvatore**

Osserv Astronomico  
Univ d Palermo  
Piazza Parlamento 1  
I 90134 Palermo  
Italy  
☎ 39 91 592 451  
① 39 91 48 8900

**Serrano Alfonso**

Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
① 52 5 616 0653  
✉ ping@inaoep.mx

**Servan Bernard**

Observ Paris  
DASGAL  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2236  
① 33 1 44 54 1804

**Seshadri Sridhar**

IUCAA  
PO Box 4  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 351 414/5  
① 91 212 350 760  
✉ sridhar@iucaa.ernet.in

**Sessin Wagner**

INPE  
Dpt Astronomia  
CP 515  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 123 22 9088

**Setti Giancarlo**

Istt Radioastronomia  
CNR  
Via P Gobetti101  
I 40129 Bologna  
Italy  
☎ 39 51 639 93 65  
① 39 51 639 94 31

**Sevarlie Branislav M**

Astronomical Observ  
Volgina 7  
11050 Beograd  
Yugoslavia FR  
☎ 381 1 419 357  
① 381 1 419 553

**Severino Giuseppe**

Osserv d Capodimonte  
Via Moiriello 16  
I 80131 Napoli  
Italy  
☎ 39 81 44 0101  
① 39 81 45 6710

**Sevilla Miguel J**

Inst Astron/Geodesia  
Fac Ciencias Matem  
Univ Complutense  
E 28040 Madrid  
Spain  
☎ 34 1 244 2501  
① 34 1 394 5195

**Seward Frederick D**

Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7282  
① 1 617 495 7356  
✉ fds@cfa.harvard.edu

**Seymour P A H**

112 Powisland Dr  
Plymouth PL6 6AF  
UK

**Sezer Cengiz**

Dpt Astron/Space Sci  
Ege Univ  
Box 21  
35100 Bornova Izmir  
Turkey  
☎ 90 232 388 0110\*2322

**Shaffer David B**

1742 Saddleback Ct  
Henderson Nv 89014  
USA  
☎ 1 702 451 5562  
① 1 702 451 5562  
✉ dbs@bootes.gsfc.nasa.gov

**Shafter Allen W**

Astronomy Dpt  
San Diego State Univ  
San Diego CA 92182  
USA  
☎ 1 617 594 6170  
① 1 619 594 1413  
✉ shafter@proteus.sdsu.edu

**Shaham Jacob**

Physics Dpt  
Columbia Univ  
538 W 120th St  
New York NY 10027  
USA  
☎ 1 212 280 3349

**Shahul Hameed Mohin**

IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 0672\*76  
① 91 80 553 4043  
✉ mohin@iiaap.ernet.in

**Shakeshaft John R**

MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 294  
① 44 12 23 354 599  
✉ jrs@phy-ravx.cam.ac.uk

**Shakhbazian Romelia K**

Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
① 374 88 52 32 3640

**Shakhbazyan Yurij L**

Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
① 374 88 52 32 3640

**Shakhovskaya Nadejda I**

Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71164  
① 380 6554 40704  
✉ nish@crao.crimea.ua

**Shakhovskoj Nikolay M**

Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
① 380 6554 40704  
✉ shakh@crao.crimea.ua

**Shakura Nicholaj I**

SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2858  
① 7 095 939 0126

**Shalabiea Osama M A**

NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
① 20 62 21 405 297  
✉ omarsh@frcu.eun.eg

**Shallis Michael J**

Astrophysics Dpt  
Univ of Oxford  
South Parks Rd  
Oxford OX1 3RQ  
UK  
☎ 44 186 527 3999  
① 44 186 527 3947

**Shaltout Mosalam A M**

NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
① 20 62 21 405 297

**Shandarin Sergei F**

Inst Physics Problems  
Kosygin Str 2  
117334 Moscow  
Russia  
☎ 7 095 137 3248

**Shane William W**

9095 Coker Rd  
Prunedale CA 93907  
USA

**Shanks Thomas**

Physics Dpt  
Univ of Durham  
South Rd  
Durham DH1 3LE  
UK  
☎ 44 191 374 2171  
① 44 191 374 3749  
✉ tom.shanks@durham.ac.uk

**Shao Cheng-yuan**

Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7212  
① 1 617 495 7356

**Shao Zhengyi**

Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618  
✉ zyshao@center.shao.ac.cn

**Shapero Donald C**

Ntl Acad Sciences  
NRC  
2101 Constitution Av NW  
Washington DC 20418  
USA  
☎ 1 202 334 3520  
① 1 202 334 2791  
✉ dshapero@nas.edu

**Shapiro Irwin I**  
Cfa  
HCO/SAO Rm P 209  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7100  
☎ 1 617 495 7356  
✉ shapiro@cfa.harvard.edu

**Shapiro Maurice M**  
Univ of Maryland  
Suite 1514  
205 Yoakum Parkway  
Alexandria VA 22304  
USA  
☎ 1 703 370 1985

**Shapiro Stuart L**  
CRSR  
Cornell Univ  
306 Space Sc Bldg  
Ithaca NY 14853 6801  
USA  
☎ 1 607 256 4936  
☎ 1 607 255 9888

**Shapley Alan H**  
NOAA ERL R/E/SE  
Space Environment Lab  
325 Broadway  
Boulder CO 80303  
USA  
☎ 1 303 497 3978

**Shaposhnikov Vladimir E**  
Instte Appl Physics RAS  
46 Ulyanov St  
Nizhny Novgorod 603600  
Russia  
☎ 7 831 238 4341  
☎ 7 831 236 2061  
✉ sh130@appl.sci-nnov.ru

**Shara Michael**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4743  
☎ 1 301 338 4767

**Sharaf Mohamed Adel**  
Astronomy Dpt  
Fac of Sciences  
Cairo Univ  
Geza  
Egypt  
☎ 20 2 572 7022  
☎ 20 2 572 7556

**Sharaf Sh G**  
Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
192187 St Petersburg  
Russia  
☎ 7 812 278 8898  
☎ 7 812 272 7968

**Sharma A Surjalal**  
Astronomy Dpt  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 1528  
☎ 1 301 405 9966  
✉ ssh@astro.umd.edu

**Sharma Dharma Pal**  
Box 5  
New Town TAS 7008  
Australia  
✉ sharma@physvax.phys.utas.edu.au

**Sharov A S**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 139 2657  
☎ 7 095 939 0126

**Sharp Christopher**  
Service Astrophysique  
CEA Saclay  
Orme d Merisiers Bt 709  
F 91191 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 9276  
☎ 33 1 69 08 6577

**Sharples Ray**  
Physics Dpt  
Univ of Durham  
South Rd  
Durham DH1 3LE  
UK  
☎ 44 191 374 2000  
☎ 44 191 374 3749

**Sharpless Stewart**  
Dpt Phys/Astronomy  
Univ of Rochester  
Rochester NY 14627 0171  
USA  
☎ 1 716 275 4389  
☎ 1 716 275 4351

**Shastri Prajval**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 4043  
☎ 91 80 553 0672  
✉ pshastri@iiap.ernet.in

**Shaver Peter A**  
ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6233  
☎ 49 893 200 6480  
✉ pshaver@eso.org

**Shaviv Giora**  
Physics Dpt  
IIT  
Technion City  
Haifa 32000  
Israel  
☎ 972 4 293 020  
☎ 972 22 1680

**Shaw James Scott**  
Dpt Phys/Astronomy  
Univ of Georgia  
Athens GA 30602 2451  
USA  
☎ 1 706 542 2485  
☎ 1 706 542 2492

**Shaw John H**  
Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 422 7968  
☎ 1 614 292 2928

**Shaw Stephen J**  
Dpt Phys/Astronomy  
Univ of Kansas  
Lawrence KS 66045  
USA  
☎ 1 913 864 4626  
☎ 1 913 864 5262  
✉ Shawl@cuphsx.phsx.ukans.edu

**Shaya Edward J**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 454 6650  
☎ 1 301 314 9067

**Shcheglov P V**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 139 1973  
☎ 7 095 939 0126

**Shcherbakov Alexander**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71194  
☎ 380 6554 40704  
✉ sherb@crao.crimea.ua

**Shcherbina-Samojlova I**  
Inst Science/Tech  
125219 Moscow  
Russia  
☎ 7 095 155 4237

**Shchukina Nataliya**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 64762  
☎ 380 4426 62147  
✉ shchukin@mao.kiev.ua

**Shea Margaret A**  
AFPL  
Space Physics Div  
Hanscom AFB  
Bedford MA 01731 3010  
USA

**Shearer Andrew**  
Physics Dpt  
Univ College  
Galway  
Ireland  
☎ 353 91 524 411\*3114  
☎ 353 91 525 700  
✉ shearer@epona.physics.ucg.ie

**Sheeley Neil R**  
NRL  
Code 4172  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 2777

**Sheffer Eugene K**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2046  
☎ 7 095 939 0126

**Sheffield Charles**  
Earth Satellite Corp  
6011 Executive Blvd  
Suite 400  
Rockville MD 20852 3804  
USA  
☎ 1 301 231 0660  
☎ 1 301 231 5020  
✉ csheffie@earthsat.com

**Shefov Nicolai N**  
Inst Phys of Atmosph  
Acad Sciences  
Pyzhevsky 3  
109017 Moscow  
Russia

**Shelus Peter J**  
Astronomy Dpt  
Univ of Texas  
Rlm 15 316  
Austin TX 78712 1083  
USA  
☎ 1 512 471 3339  
☎ 1 512 471 6016

**Shematovich Valery I**  
Inst Theoret Astron  
Acad Sciences  
Pyatnitskaya 48  
109017 Moscow  
Russia  
☎ 7 095 231 7375  
☎ 7 095 230 2081  
✉ shematov@inasan.rssi.ru

**Shen Benjamin S P**  
Dpt Phys/Astronomy  
Univ of Pennsylvania  
Philadelphia PA 19104 6396  
USA  
☎ 1 215 898 8141  
☎ 1 215 898 9336

**Shen Changjun**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
☎ 86 25 301 459



**Shen Chun-Shan**  
Astron Sty China  
Ntl Tsing Hua Univ  
Hsin Chu 300043  
China R  
☎ 886 35 71 9039

**Shen Kaixian**  
Shaanxi Observ  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 33 2255  
① 86 9237 3496

**Shen Liangzhao**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Shen Longxiang**  
Beijing Astronomical Obs  
CAS

W Suburb  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Shen Parnan**  
Nanjing Astronomical  
Instrument Factory  
Box 846  
Nanjing  
China PR  
☎ 86 25 46191  
① 86 25 71 1256

**Sher David**  
Box 9624  
Cincinnati OH 452098  
USA  
☎ 1 513 871 8850

**Sheridan K V**  
17b/23 Thornton St  
Darling Point NSW 2027  
Australia

**Sherwood William A**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 362  
① 49 228 525 229

**Shevchenko Vladislav V**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2858  
① 7 095 939 0126

**Shevgaonkar R K**  
Dpt Electric Engin  
IIT  
POWAI  
Bombay  
India  
☎ 91 22 578 2545\*2440  
① 91 22 578 3480

**Shi Guang-Chen**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 33921  
① 86 25 301 459

**Shi Shengcai**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 330 3738  
① 86 25 330 1459  
✉ shengcai@nro.nao.ac.jp

**Shi Zhongxian**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Shibahashi Hiromoto**  
Astronomy Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 338 12 2111\*4274  
① 81 338 13 9439  
✉ shibahashi@astron.s.u-tokyo.ac.jp

**Shibai Hiroshi**  
Nagoya Univ  
Furo cho  
Chikusa ku  
Nagoya 464 8602  
Japan  
☎ 81 527 89 2452  
① 81 527 89 2919  
✉ shibai@u.phys.nagoya-u.ac.jp

**Shibasaki Kiyoto**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 63 4300  
① 81 267 98 2884

**Shibata Katsumori M**  
Ntl Astronomical Obs  
Osawa 2-21-1  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3750  
① 81 422 34 3649  
✉ shibata@hotaka.mtk.nao.ac.jp

**Shibata Kazunari**  
Ntl Astronomical Obs  
Solar Physics div  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3712  
① 81 422 34 3700  
✉ shibata@spot.mtk.nao.ac.jp

**Shibata Masaru**  
Dpt Earth/Space Sci  
Osaka Univ  
Toyonaka  
Osaka 560  
Japan  
☎ 81 685 05 483  
① 81 685 05 504  
✉ shibata@vega.ess.sci.osaka-u.ac.jp

**Shibata Shinpei**  
Physics Dpt  
Yamagata Univ  
Kojirakawa  
Yamagata 990  
Japan  
☎ 81 236 31 1421

**Shibata Yukio**  
Res Inst Scientific Meast  
Tohoku Univ  
Aramaki  
Sendai 980  
Japan  
☎ 81 206 543 2888

**Shibazaki Noriaki**  
Physics Dpt  
Rikkyo Univ  
Nishi-Ikebukuro  
Tokyo 171  
Japan  
☎ 81 339 85 2389  
① 81 359 92 3434  
✉ shibazak@rikkyo.ac.jp

**Shields Gregory A**  
Astronomy Dpt  
Univ of Texas  
Rlm 15 212  
Austin TX 78712 1083  
USA  
☎ 1 512 471 4461  
① 1 512 471 6016  
✉ shields@astro.as.texas.edu

**Shields Joseph C**  
Dpt Phys/Astronomy  
Ohio Univ  
Clippinger Res Labs  
Athens OH 45701 2979  
USA  
☎ 1 614 593 0336  
① 1 614 593 0433  
✉ shields@helios.phy.ohiou.edu

**Shigeyama Toshikazu**  
Astronomy Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 338 12 9224  
① 81 338 13 9439  
✉ shigeyama@astron.s.u-tokyo.ac.jp

**Shimasaku Kazuhiro**  
Astronomy Dpt  
Univ of Tokyo  
2-11-16 Yayoi Bunkyo-ku  
Tokyo 113  
Japan  
☎ 81 356 84 0516  
① 81 338 13 9439  
✉ shimasaku@astron.s.u-tokyo.ac.jp

**Shimizu Mikio**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911  
① 81 427 59 4253

**Shimizu Tsutomu Emer**  
Terada Otani 26-16  
Joyo Shi  
Kyoto 610 01  
Japan

**Shimmins Albert John**  
5/36 Philipson St  
Albert Park  
Melbourne VIC 3206  
Australia  
☎ 61 3 9690 3803

**Shine Richard A**  
Lockheed Palo Alto Res Lb  
Dpt 91 30 Bg 256  
3251 Hanover St  
Palo Alto CA 94304 1211  
USA  
☎ 1 415 858 4135  
① 1 415 424 3994

**Shipman Harry L**  
Physics Dpt  
Univ of Delaware  
Newark DE 19716  
USA  
☎ 1 302 451 2986  
① 1 302 831 1637

**Shiryaev Alexander A**  
ASRI Technsat Project  
IIT  
Technion City  
Haifa 32000  
Israel  
☎ 972 4 292 398  
① 972 4 230 956  
✉ astchsat@vmsa.technion.ac.il

**Shishov Vladimir I**  
Lebedev Physical Inst  
Acad Sciences  
Leninsky Pspt 53  
117924 Moscow  
Russia  
☎ 7 095 135 2250  
☎ 7 095 135 7880

**Shitov Yuri P**  
Lebedev Phys Inst  
Leninsky Pspt 53  
Moscow 117924  
Russia  
☎ 7 096 773 2649  
☎ 7 095 135 7880  
✉ shitov@rasfian.  
serpukhov.su

**Shivanandan Kandiah**  
NRL  
Code 4138 S  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 2749  
☎ 1 202 767 6473

**Shkodrov V G**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
☎ 359 2 75 5019

**Shkuratov Yurii**  
Astronomical Observ  
Kharkiv State Univ  
Sumskaia Ul. 35  
310002 Kharkiv  
Ukraine  
☎ 380 5724 32428  
✉ shkuratov@astron.  
kharkov.ua

**Shlosman Isaac**  
Dpt Phys/Astronomy  
Univ Kentucky  
Lexington KY 40506 0055  
USA  
☎ 1 606 257 3461  
☎ 1 606 323 2846  
✉ shlosman@asta.pa.  
uky.edu

**Shmeld Ivar**  
Radioastronomy Observ  
Latvian Acad Sci  
Akademijas Sq 1  
LV 1527 Riga  
Latvia  
☎ 371 722 8321  
☎ 371 782 1153  
✉ shmeld@acad.latnet.lv

**Shobbrook Robert R**  
Astronomy Dpt  
Univ of Sydney  
Sydney NSW 2006  
Australia  
☎ 61 2 692 3604  
☎ 61 2 660 2903

**Sholomitsky G B**  
Space Res Inst  
Acad Sciences  
Profsojuznaya Ul 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 3122  
☎ 7 095 310 7023

**Shone David**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
☎ 44 147 757 1618  
✉ dls@jb.man.ac.uk

**Shor Viktor A**  
Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
191187 St Petersburg  
Russia  
☎ 7 812 278 8809  
☎ 7 812 272 7968

**Shore Bruce W**  
LLNL  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 415 422 6204  
☎ 1 415 423 0238  
✉ shore2@llnl.gov

**Shore Steven N**  
Dpt Phys/Astronomy  
Indiana Univ  
1700 Mishawaka Av  
South Bend IN 46634 7111  
USA  
☎ 1 219 237 4401

**Shortridge Keith**  
AAO  
Box 296  
Epping NSW 2121  
Australia  
☎ 61 2 9372 4822  
☎ 61 2 9372 4880  
✉ ks@aoepp.aoa.  
gov.au

**Shostak G Seth**  
1372 Cuernavaca Circ  
Mountain View CA 94040  
USA  
☎ 1 415 967 8193  
✉ Seth\_Shostak@setigate.  
seti-inst.edu

**Shu Chenggang**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
☎ 86 21 6438 4618

**Shu Frank H**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 415 642 2529  
☎ 1 510 642 3411

**Shukla K**  
Dpt Maths/Astronomy  
Univ of Lucknow  
Lucknow  
India

**Shukre C S**  
RRI  
Sadashivanagar  
CV Raman Av  
Bangalore 560 080  
India  
☎ 91 80 336 0122  
☎ 91 80 334 0492  
✉ shukre@rri.ernet.in

**Shul-man L M**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
☎ 380 4426 62147

**Shulga Valery**  
Inst Radio Astron  
Ukrainian Acad Science  
4 Chervonopraporna st  
310002 Kharkiv  
Ukraine  
☎ 380 5724 48591  
☎ 380 5724 76506  
✉ shulga@rian.  
kharkov.ua

**Shull John Michael**  
JILA  
Univ of Colorado  
Campus Box 440  
Boulder CO 80309 0440  
USA  
☎ 1 303 492 7827  
☎ 1 303 492 5235

**Shull Peter Otto**  
Physics Dpt  
Oklahoma State Univ  
Stillwater OK 74078 3072  
USA  
☎ 1 405 744 5785  
☎ 1 405 744 6811  
✉ pos@okstate.edu

**Shulov Oleg S**  
Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
199178 St Petersburg  
Russia  
☎ 7 812 428 7129  
☎ 7 812 428 4259

**Shustov Boris M**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
☎ 7 095 230 2081  
✉ bshustov@inasan.rssi.ru

**Sibille Francois**  
Observ Lyon  
Av Ch Andre  
F 69561 S Genis Laval cdx  
France  
☎ 33 4 78 56 0705  
☎ 33 4 72 39 9791

**Sicardy Bruno**  
Observ Paris Meudon  
EUROPA  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7409  
☎ 33 1 45 07 7469  
✉ sicardy@obsppm.fr

**Sidlichovsky Milos**  
Astronomical Institute  
Czech Acad Sci  
Bocni II 1401  
CZ 141 31 Praha 4  
Czech R  
☎ 420 2 67 10 3078  
☎ 420 2 76 90 23  
✉ sidlich@csearn

**Sidorenkov Nikolay S**  
Hydrometeorologic Res Ctr  
Bolshoi Predtechensky Per. 9-11  
123342 Moscow  
Russia  
☎ 7 095 255 5026  
☎ 7 095 255 1582

**Sieber Wolfgang**  
FN Niederrhein  
Postfach 2850  
D 47728 Krefeld  
Germany  
☎ 49 215 182 2317  
☎ 49 215 182 2317  
✉ sieber@kr.ft-niederrhein.de

**Sienkiewicz Ryszard**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
☎ 48 41 0828

**Signore Monique**  
DEMIRM  
ENS  
24 r Lhomond  
F 75231 Paris Cdx 05  
France  
☎ 33 1 44 32 3989  
☎ 33 1 44 32 3992  
✉ signore@physique.ens.fr

**Sigurdsson Steinn**  
Dpt Astron/Astrophys  
Pennsylvania State Univ  
525 Davey Laboratory  
University Park PA 16802  
USA  
☎ 1 814 865 3631  
☎ 1 814 863 7114  
✉ steinn@ast.cam.  
ac.uk

**Sikora Marek**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
☎ 48 41 0828

**Sikorski Jerzy**  
Inst Theor Physics  
Univ of Gdansk  
Ul Wita Stwosza 57  
PL 80 952 Gdansk  
Poland  
☎ 48 41 5241\*188  
✉ fizjks@halina.univ.  
gda.pl

**Sil'chenko Olga K**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2657  
☎ 7 095 932 8841  
✉ olga@sai.msu.ru

**Silant'ev Nikolai**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4090  
☎ 7 812 315 1701  
✉ alexeeva@gaoran.  
spb.su

**Silberberg Rein**  
NRL  
Code 4154  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 2803

**Silich Sergey**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 64771  
☎ 380 4426 62147  
✉ maouas@gluk.apc.org

**Silk Joseph I**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 415 642 2113  
☎ 1 510 642 3411

**Sillanpaa Aimo Kalevi**  
Turku Univ  
Tuorila Observ  
Vaesislaentie 20  
FIN 21500 Piikkiö  
Finland  
☎ 358 2 274 4262  
☎ 358 2 243 3767  
✉ aimosill@kontu.  
utu.fi

**Silverberg Eric C**  
McDonald Observ  
Univ of Texas  
Box 1337  
Fort Davis TX 79734 1337  
USA

**Silvestro Giovanni**  
Istt Fisica  
Univ d Torino  
Corso d Azeaglio 46  
I 10125 Torino  
Italy  
☎ 39 11 658 623

**Sim Mary E**  
Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 667 3321  
☎ 44 131 668 8356

**Sima Zdislav**  
Astronomical Institute  
Czech Acad Sci  
Bočni li 1401  
CZ 141 31 Praha 4  
Czech R  
☎ 420 2 67 10 3042  
☎ 420 2 76 90 23  
✉ sima@ig.cas.cz

**Simek Milos**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7252  
☎ 420 2 88 1611  
✉ semik@asu.cas.cz

**Simien Francois**  
Observ Lyon  
Av Ch Andre  
F 69561 S Genis Laval cdx  
France  
☎ 33 4 78 56 0705  
☎ 33 4 72 39 9791

**Sinkin Susan M**  
Physics/Astronomy Dpt  
Michigan State Univ  
East Lansing MI 48824  
USA  
☎ 1 517 353 4540  
☎ 1 517 353 4500

**Simmons John Francis I**  
31 Havelock St  
Glasgow G11 5HA  
UK

**Simnett George M**  
Dpt Space Res  
Univ Birmingham  
Box 363  
Birmingham B15 2TT  
UK  
☎ 44 12 14 72 1301

**Simo Charles**  
Fac Matematicas  
Univ Barcelona  
Av Jose Antonio 585  
E 08028 Barcelona  
Spain

**Simoda Mahiro**  
1 362 6  
Suzuki Kodaira  
Tokyo 187  
Japan

**Simon George W**  
AFGL  
NSO  
Sunspot NM 88349  
USA  
☎ 1 505 434 1390  
☎ 1 504 434 7029

**Simon Guy**  
Observ Paris Meudon  
DASGAL  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7787  
☎ 33 1 45 07 7971

**Simon Jean-Louis**  
BDL  
77 Av Denfert Rochereau  
F 75014 Paris  
France  
☎ 33 1 43 20 1210  
☎ 33 1 46 33 2834  
✉ jean-louis.simon@  
bdl.fr

**Simon Klaus Peter**  
Inst Astron/Astrofysik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 890 21  
☎ 49 899 220 9427

**Simon Michal**  
Dpt Earth/Space Sci  
Astronomy Program  
Sunny at Stony Brook  
Stony Brook NY 11794 2100  
USA  
☎ 1 516 246 7672  
☎ 1 515 632 8240

**Simon Norman R**  
Dpt Phys/Astronomy  
Univ Nebraska  
Behlen Observatory  
Lincoln NE 68588 0111  
USA  
☎ 1 402 472 2788  
☎ 1 402 472 2879

**Simon Paul C**  
IASB  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0400  
☎ 32 2 375 1579  
✉ paul.simon@oma.be

**Simon Rene L E**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
☎ 32 4 254 7511

**Simon Theodore**  
Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 6317  
☎ 1 808 988 2790

**Simonneau Eduardo**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8143  
☎ 33 1 44 32 8001

**Simons Stuart**  
School Mathemat Sc  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 980 4811  
☎ 44 181 975 5500

**Simonson S Christian**  
1061 Russell Av  
Los Altos CA 94022  
USA  
☎ 1 415 968 0473

**Simovljevitc Jovan L**  
Astronomy Dpt  
Univ of Belgrade  
Studentski Trg 16  
11000 Beograd  
Yugoslavia FR  
☎ 381 11 638 715  
☎ 381 11 630 151

**Sims Kenneth P**  
Sydney Observ  
Observ Park  
Sydney NSW 2000  
Australia  
☎ 61 2 217 0485  
☎ 61 2 217 0489.

**Sinachopoulos D**  
Koninklijke Sterrenwacht  
van Belgie  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0291  
☎ 32 2 374 9822  
✉ dimitris@oma.be

**Sinclair Andrew T**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
① 44 12 23 374 700

**Singh H P**  
Dpt Phys/Delhi Univ  
Sri Venkateswara College  
Dhaura Kuan  
New Delhi 110 021  
India  
☎ 91 11 729 1309

**Singh Jagdev**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585/6497  
① 91 80 553 4043

**Singh Kulinder Pal**  
TIFR  
Homii Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 215 2971\*2376  
① 91 22 495 2110  
✉ singh@tifrvax.tifr.res.in

**Singh Patan Deen**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 275 3720  
① 55 11 276 3848  
✉ iagusp@brfapesp

**Sinha K**  
Indira Gandhi Planet  
9 Nabuillah Rd  
Surajkund Park  
Lucknow 226 018  
India  
☎ 91 522 229 176  
① 91 522 229 176/211 793

**Sinha Rameshwar P**  
8700 Brickyard Rd  
Potomac MD 20854  
USA  
☎ 1 301 983 3899  
✉ rsinha@nesdis.noaa.gov

**Sinnerstad Ulf E**  
Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjoebaden  
Sweden  
☎ 46 8 717 0195  
① 46 8 717 4719

**Sinton William M**  
850 E David Dr  
Flagstaff AZ 86001  
USA  
☎ 1 602 774 8308

**Sinvhal Shambhu Dayal**  
175DH Scheme 74C  
Vijalnagar  
Indore 452 010  
India

**Sinzi Akira M**  
Hydrographic Dpt  
Geodesy/Geophys Div  
Tsukiji 5 Chuo Ku  
Tokyo 104  
Japan  
☎ 81 335 41 3816  
① 81 3545 2885

**Sion Edward Michael**  
Astronomy Dpt  
Villanova Univ  
Villanova PA 19085  
USA  
☎ 1 215 645 4822  
✉ scion@scivax.stsci.edu

**Siregar Suryadi**  
Astronomy Dpt  
Bandung Instte Techn  
Jl Ganesha 10  
Bandung 40132  
Indonesia  
☎ 62 22 244 0252  
① 62 22 2505442

**Siroky Jaromir**  
Palacky Univ  
Dpt Physics/Astronomy  
Lenin St 26  
CZ 771 46 Olomouc  
Czech R  
☎ 420 68 22451

**Sironi Giorgio**  
Dpt Fisica  
Univ d Milano  
Via Celoria 16  
I 20133 Milano  
Italy  
☎ 39 2 239 2272  
① 39 2 706 38413  
✉ giorgio.sironi@mi.infn.it

**Sirousse Zia Haydeh**  
Gravit/Cosmologie  
Relativi UPMC Tour 22  
4 Pl Jussieu  
F 75252 Paris Cedex 05  
France  
☎ 33 1 44 27 7292  
① 33 1 44 27 7287  
✉ strousse@ccr.jussieu.fr

**Siry Joseph W**  
4438 42nd St Nw  
Washington DC 20016  
USA

**Sisson George M**  
Planetrees  
Wall  
Hexham NE46 4EQ  
UK  
☎ 44 14 348 1434

**Sistero Roberto F**  
Observ Astronomico  
de Cordoba  
Laprida 854  
5000 Cordoba  
Argentina  
☎ 54 51 23 0491  
① 54 51 21 0613  
✉ sistero@astro.edu.ar

**Sitarski Grzegorz**  
Space Res Ctr  
Polish Acad Sci  
Ul Orzona 21  
PL 01 237 Warsaw  
Poland  
☎ 48 22 40 3766  
① 48 22 36 8961

**Sitko Michael L**  
Physics Dpt  
Univ of Cincinnati  
210 Braunstein MI 11  
Cincinnati OH 45221 0011  
USA  
☎ 1 513 556 0501  
① 1 513 556 3425  
✉ sitko@dusty.phy.uc.edu

**Sitnik G F**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 139 1973  
① 7 095 939 0126

**Sivan Jean-Pierre**  
OHP  
F 04870 St Michel Obs  
France  
☎ 33 4 92 70 6400  
① 33 4 92 76 6295  
✉ sivan@obs-hp.fr

**Sivaram C**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585/6497  
① 91 80 553 4043

**Sivaraman K R**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 6585  
① 91 80 553 4043

**Sjogren William L**  
CALTECH/JPL  
MS 264 664  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 4868  
① 1 818 393 6030

**Skalafuris Angelo J**  
NRL  
Code 5307  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 302 767 3227

**Skillen Ian**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
① 44 12 23 337 523

**Skilling John**  
Dpt Appl Maths/Theor Phys  
Silver Street  
Cambridge CB3 9EW  
UK  
☎ 44 12 23 337 87  
① 44 12 23 337 918

**Skillman Evan D**  
School Phys/Astronomy  
Univ Minnesota  
116 Church St SE  
Minneapolis MN 55455  
USA  
☎ 1 612 624 4523  
① 1 612 626 2029  
✉ skillman@ast1.spa.umn.edu

**Skinner Gerald**  
School Physics/Res  
Univ Birmingham  
Box 363  
Birmingham B15 2TT  
UK  
☎ 44 12 14 14 6450

**Skopal Augustin**  
Astronomical Institute  
Slovak Acad Sci  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 967 866  
① 421 969 967 656  
✉ astrskop@ta3.sk

**Skripnichenko Vladimir**  
Inst Appl Astronomy  
Acad Sciences  
Zhdanovskaya Ul 8  
197042 St Petersburg  
Russia  
☎ 7 812 230 7414  
① 7 812 230 7413

**Skulachov Dmitry**  
Space Res Inst  
Acad Sciences  
Profsojuznaya Ul 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 2588  
① 7 095 310 7023

**Skulskij Mychajlo Y**  
Physics Dpt  
State Univ Lvivska Polite  
S Bandera Str  
290646 Lviv  
Ukraine  
☎ 380 3227 44300  
☎ 380 3227 44300  
✉ msky@astro.lviv.ua

**Skumanich Andre**  
HAO  
NCAR  
Box 3000  
Boulder CO 80307 3000  
USA  
☎ 1 303 497 1528  
☎ 1 303 497 1568

**Slade Martin A III**  
CALTECH/JPL  
MS 238 420  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 6538  
☎ 1 818 393 6030

**Sleath John**  
6 The Quadrant  
Little Earling Lane  
London W5 4EE  
UK  
☎ 44 181 579 0222

**Slee O B**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0310

**Slettebak Arne**  
Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 292 7861  
☎ 1 614 292 2928  
✉ slettebk@ohstpy.mps.  
ohio-state

**Slezak Eric**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 92 00 3124  
☎ 33 4 92 00 3033  
✉ slezak@obs-nice.fr

**Sloan Gregory Clayton**  
NASA/ARC  
MS 245 6  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 604 5495  
☎ 1 415 604 6779  
✉ sloan@ssa1.arc.nasa.gov

**Slonim E M**  
Astronomical Institute  
Uzbek Acad Sci  
Astronomicheskaya Ul 33  
700000 Tashkent  
Uzbekistan  
☎ 7 3712 35 8102

**Slovak Mark Haines**  
Po Box 751044  
Memphis TN 38175  
USA

**Slysh Viacheslav I**  
Astro Space Ctr  
Lebedev Physical Inst  
Profsoyuznaya 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 2167  
☎ 7 095 333 2378  
✉ vslysh@dpc.asc.  
rssi.ru

**Smak Joseph I**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
☎ 48 22 41 0828  
✉ jis@alfa.camk.edu.pl

**Smaldone Luigi Antonio**  
Dpt Fisica  
Univ d Napoli  
Mostra D Oltremare Pad 19  
I 80125 Napoli  
Italy  
☎ 39 81 725 3428

**Smale Alan Peter**  
NASA GSFC  
Code 668  
Greenbelt MD 20771  
USA  
☎ 1 301 286 7063  
☎ 1 301 286 3391  
✉ smale@lheaux.gsfc.  
nasa.gov

**Smalley Barry**  
Physics Dpt  
Univ of Keele  
Keele ST5 5BG  
UK  
☎ 44 178 262 1111  
☎ 44 178 271 1093  
✉ bs@astro.keele.ac.uk

**Smeecker-Hane Tammy A**  
Dpt Phys/Astronomy  
UCI  
Irvine CA 92697 4575  
USA  
☎ 1 714 824 7773  
☎ 1 714 824 2174  
✉ tsmecker@uci.edu

**Smette Alain**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8619  
☎ 1 301 286 1752  
✉ asmette@band3.gsfc.nasa.gov

**Smeyers Paul**  
Inst v Sterrenkunde  
Katholieke Univ Leuven  
Celestijnenlaan 200B  
B 3001 Heverlee  
Belgium  
☎ 32 16 32 7033  
☎ 32 16 32 7999

**Smirnov Michael**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 233 1624  
☎ 7 095 230 2081  
✉ rykhlova@inasan.  
rssi.ru

**Smit J A**  
Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5200  
☎ 31 30 253 1601

**Smith Alex G**  
Astronomy Dpt  
Univ of Florida  
211 SSRB  
Gainesville FL 32611  
USA  
☎ 1 904 392 6135  
☎ 1 904 392 5089

**Smith Barham W**  
LANL  
MS D436  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 1585  
☎ 1 505 665 4055  
✉ bwsmith@lanl.gov

**Smith Bradford A**  
Inst f Astronomy  
Univ of Hawaii  
82-6012 Pu-uhonua Rd  
Napo'opo'o HI 96740 8226  
USA  
☎ 1 808 328 2568  
☎ 1 808 328 9472  
✉ brad@mahina.ifa.  
hawaii.edu

**Smith Bruce F**  
NASA/ARC  
MS 245 3  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 694 5515  
☎ 1 415 604 6779

**Smith Craig H**  
Physics Dpt Univ College  
UNSW  
Northcott Dr  
Campbell ACT 2600  
Australia  
☎ 61 2 62 68 8790  
☎ 61 26 268 8786  
✉ craig@phadfa.ph.adfa.oz.au

**Smith Dean F**  
Berkeley Res Ass  
290 Green Rock Dr  
Boulder CO 80302  
USA  
☎ 1 303 444 1922

**Smith Eric Philip**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8549  
☎ 1 301 286 1753  
✉ eric.p.smith@gsfc.nasa.gov

**Smith Francis Graham**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
☎ 44 147 757 1618

**Smith Geoffrey**  
Astrophysics Dpt  
Univ of Oxford  
Keble Rd  
Oxford OX1 3RH  
UK  
☎ 44 186 527 3304  
☎ 44 186 527 3947  
✉ gs@astro.ox.ac.uk

**Smith Graeme H**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 459 2513  
☎ 1 831 426 3115

**Smith Haywood C**  
Astronomy Dpt  
Univ of Florida  
Box 112055  
Gainesville FL 32611  
USA  
☎ 1 904 392 7744  
☎ 1 904 392 5089  
✉ hsmith@astro.ufl.edu

**Smith Humphry M**  
23 Normandale  
Bexhill on Sea TN39 3LU  
UK  
☎ 44 14 24 21 4288

**Smith Keith Colin**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050\*3410  
☎ 44 171 380 7145  
✉ kcs@star.ucl.ac.uk

**Smith Linda J**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050\*788  
☎ 44 171 380 7145

**Smith Malcolm G**

NOAO  
CTIO  
Casilla 603  
La Serena  
Chile  
☎ 56 51 22 5415  
☎ 56 51 20 5342  
✉ msmith@noao.edu

**Smith Michael**

Astronomisches Institut  
Univ Wuerzburg  
am Hubland  
D 97074 Wuerzburg  
Germany  
☎ 49 931 888 5038  
☎ 49 931 888 4603  
✉ smith@astro.uni-wuerzburg.de

**Smith Myron A**

STSci  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 5036  
☎ 1 301 338 4767  
✉ msmith@stsci.edu

**Smith Niall**

Applied Physics/Instrum Dpt  
Rossa Av  
Bishopstown  
Cork  
Ireland  
☎ 353 2 132 6369  
☎ 353 2 134 5191  
✉ nsmith@rtc-cork.ie

**Smith Peter L**

CfA  
HCO/SAO MS 50  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 4984  
☎ 1 617 495 7455  
✉ plsmith@cfa.harvard.edu

**Smith Robert Cannon**

Astronomy Centre  
Univ of Sussex  
Falmer  
Brighton BN1 9QH  
UK  
☎ 44 12 73 678 974  
☎ 44 12 73 678 097  
✉ r.c.smith@sussex.ac.uk

**Smith Robert G**

Physics Dpt Univ College  
UNSW  
Northcott Dr  
Campbell ACT 2600  
Australia  
☎ 61 2 62 68 8746  
☎ 61 26 268 8786  
✉ rgs@phadfa.ph.adfa.oz.au

**Smith Rodney M**

Dpt Phys/Astronomy  
Univ of Wales  
Box 913  
Cardiff CF2 3YB  
UK  
☎ 44 12 22 874 000\*5282  
☎ 44 12 22 874 056  
✉ r.smith@astro.cf.ac.uk

**Smith Verne V**

Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 3351  
☎ 1 512 471 6016

**Smith W Hayden**

Physics Dpt  
Washington Univ  
McDonnell Ctr Space Sci  
St Louis MO 63130  
USA  
☎ 1 314 889 6574  
☎ 1 314 935 4083

**Smith Harding E**

CASS  
UCSD  
C 011  
La Jolla CA 92093 0216  
USA  
☎ 1 419 534 4558  
☎ 1 419 534 2294

**Smits Derck P**

HarRAO  
FRD  
PO Box 443  
1740 Krugersdorp  
South Africa  
☎ 27 11 642 4692  
☎ 27 11 642 2424  
✉ derck@bootes.hartrao.ac.za

**Smol-Kov Gennadij Ya**

Sibizmir  
Acad Sciences  
664697 Irkutsk 33  
Russia  
☎ 7 395 262 9388

**Smoot III George F**

Lawrence Berkeley Lab  
Univ of California  
Bldg 50 230  
Berkeley CA 94720  
USA  
☎ 1 415 486 5237  
☎ 1 510 486 6738

**Smriglio Filippo**

Isti Astronomico  
Univ d Roma La Sapienza  
Via G M Lancisi 29  
I 00161 Roma  
Italy  
☎ 39 6 44 03734  
☎ 39 6 44 03673

**Smylie Douglas E**

Dpt Phys/Earth/Atm Sci  
York Univ  
4700 Keele St  
Downsview ON M3J 1P3  
Canada  
☎ 1 416 736 5245

**Smyth Michael J**

Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 667 3321  
☎ 44 131 668 8356  
✉ mjs@roe.ac.uk

**Sneden Christopher A**

Astronomy Dpt  
Univ of Texas  
Rlm 16.324  
Austin TX 78712 1083  
USA  
☎ 1 512 471 1349  
☎ 1 512 471 6016  
✉ chris@verdi.as.texas.edu

**Snell Ronald L**

Five College  
RAO  
B619 Lederle Grad Res Twr  
Amherst MA 01003  
USA  
☎ 1 413 545 1949

**Snezhko Leonid I**

SAO  
Acad Sciences  
Nizhnij Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 878 789 3513

**Snijders Mattheus A J**

IRAM  
300 r La Piscine  
F 38406 S Martin Heres Cdx  
France  
☎ 33 4 76 42 3383  
☎ 33 4 76 51 5938

**Snow Theodore P**

CASA  
Univ of Colorado  
Campus Box 389  
Boulder CO 80309 0389  
USA  
☎ 1 303 492 4050  
☎ 1 303 492 7178  
✉ tsnow@casa.colorado.edu

**Snyder Lewis E**

Dpt Astron/Physics  
Univ of Illinois  
1011 W Springfield Av  
Urbana IL 61801  
USA  
☎ 1 217 333 5530  
☎ 1 217 244 7638

**Soares Domingos S L**

Physics Dpt  
UFMG  
CP 702  
30161 970 Belo Horizonte  
Brazil  
☎ 55 31 499 5649  
☎ 55 31 499 5600  
✉ dsoares@fisica.ufmg.br

**Soberman Robert K**

Dpt Astron/Astrophys  
Univ of Pennsylvania  
David Rittenhouse Lab  
Philadelphia PA 19104  
USA  
☎ 1 215 898 8176  
☎ 1 215 898 9336

**Sobieski Stanley**

NASA GSFC  
Code 673  
Greenbelt MD 20771  
USA

**Sobolev Andrej M**

Ural State Univ  
Astronomical Observ  
Lenin Av 51  
Ekaterinburg 620083  
Russia  
☎ 7 343 261 5431  
☎ 7 343 255 5964  
✉ Andrej.sobolev@usu.ru

**Sobolev V V**

Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
199178 St Petersburg  
Russia  
☎ 7 812 428 7129  
☎ 7 812 428 4259

**Soboleva N S**

Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
☎ 7 812 315 1701

**Sobotka Michal**

Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 201  
☎ 420 2 88 1611  
✉ msobotka@asu.cas.cz

**Sobouti Yousef**

Inst Advanced Studies  
in Basic Sciences  
Gaveh Zang  
Zanjan  
Iran  
☎ 98 241 449 0212  
☎ 98 241 449 023  
✉ sobouti@rose.ipm.ac.ir

**Sochilina Alla S**

Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
191187 St Petersburg  
Russia

☎ 7 812 278 8898  
☎ 7 812 272 7968  
✉ 1099@ita.spb.us

**Sodemann M**

Inst Phys/Astronomy  
Univ of Aarhus  
Ny Munkegade  
DK 8000 Aarhus C  
Denmark

☎ 45 86 12 8899  
☎ 45 86 20 2711

**Soderblom David R**

STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA

☎ 1 301 338 4543  
☎ 1 301 338 5090  
✉ soderblom@stsci.edu

**Soderblom Larry**

USGS  
Br of Astrogeology  
2255 N Gemini Dr  
Flagstaff AZ 86001  
USA

**Soderhjelm Staffan**

Lund Observ  
Box 43  
S 221 00 Lund  
Sweden

☎ 46 46 222 7303  
☎ 46 46 222 4614  
✉ staffan@astro.lu.se

**Sodin Leonid**

Inst Radio Astron  
Ukrainian Acad Science  
4 Chervonopraporna st  
310002 Kharkiv  
Ukraine

☎ 380 5724 71134  
☎ 380 5724 76506  
✉ rai@ira.kharkov.ua

**Sodre Laerte**

IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil

☎ 55 11 5778 599  
☎ 55 11 2763 848  
✉ laerte@astrol.iagusp.usp.br

**Soffel Michael**

Inst Planet Geodasie  
Technische Univ Dresden  
Mommensenstr 13  
D 01062 Dresden  
Germany

☎ 49 351 463 4200  
☎ 49 351 463 7019  
✉ soffel@rcs.urz.tu-dresden.de

**Sofia Sabatino**

Astronomy Dpt  
Yale Univ  
Box 208101  
New Haven CT 06520 8101  
USA

☎ 1 203 432 3011  
☎ 1 203 432 5048  
✉ sofia@astro.yale.edu

**Sofue Yoshiaki**

Inst of Astronomy  
Univ of Tokyo  
Osawa Mitaka  
Tokyo 181  
Japan

☎ 81 422 41 3734  
☎ 81 422 41 3749  
✉ y.sifyi@tansei.cc.u-tokyo.ac.

**Soifer Baruch T**

CALTECH  
MS 320 47  
Downes Lab of Physics  
Pasadena CA 91125  
USA

☎ 1 818 356 6626  
☎ 1 818 796 8806

**Sokolov Konstantin**

Inst Radio Astron  
Ukrainian Acad Science  
4 Chervonopraporna st  
310002 Kharkiv  
Ukraine

☎ 380 5724 51014  
☎ 380 5724 76506  
✉ rai@ira.kharkov.ua

**Sokolov Viktor G**

Inst Theoret Astron  
Acad Sciences  
10 Nab Kutuzova  
191187 St Petersburg  
Russia

☎ 7 812 275 1090  
☎ 7 812 272 7968  
✉ 1095@ita.spb.us

**Sokolowski Lech**

Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland

☎ 48 12 25 1294  
☎ 48 12 25 1318

**Sokolsky Andrej G**

Inst Theoret Astron  
Acad Sciences  
N Kutuzova 10  
191187 St Petersburg  
Russia

☎ 7 812 279 0667  
☎ 7 812 272 7968  
✉ sokolsky@iitii.spb.us

**Sol Helene**

Observ Paris Meudon  
DAEC  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France

☎ 33 1 45 07 7428  
☎ 33 1 45 07 7469

**Solanes Majua Jose M**

Astronomy Dpt  
Cornell Univ  
512 Space Sc Bldg  
Ithaca NY 14853 6801  
USA

☎ 1 607 255 6915  
☎ 1 607 255 8803  
✉ solanes@astronum.cornell.edu

**Solanki Sami K**

Inst Astronomie  
ETH Zentrum  
CH 8092 Zuerich  
Switzerland

☎ 41 1 632 3810  
☎ 41 1 632 1205  
✉ solanki@astro.phys.ethz.ch

**Solaric Nikola**

Hvar Observ  
Fac Geodesy  
Kacicava 26  
HR 10000 Zagreb  
Croatia

☎ 385 1 521 548  
☎ 385 1 445 410

**Sole Martin**

Astronomical Institute  
Charles Univ  
V Holesovickack 2  
CZ 180 00 Praha 8  
Czech R

☎ 420 2 2191 2572  
☎ 420 2 2191 1292  
✉ solc@mbox.troja.mff.cuni.cz

**Solf Josef**

Thueringer Landessternwarte  
Sternwarte 5  
D 07778 Tautenburg  
Germany

☎ 49 364 278 630  
☎ 49 364 278 6329

**Solheim Jan Erik**

Physics Dpt  
Univ of Tromso  
N 9037 Tromso  
Norway

☎ 47 77 64 5191  
☎ 47 77 64 5595  
✉ janerik@phys.uit.no

**Soliman Mohamed Ahmed**

NAIGR  
Helwan Observ  
Cairo 11421  
Egypt

☎ 20 78 0645/2683  
☎ 20 62 21 405 297

**Solivella Gladys Rebecca**

Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina

☎ 54 21 217 308  
☎ 54 21 38 810  
✉ gladys@fcagip.edu.ar

**Sollazzo Claudio**

ESOC  
Robert-Bosch Str 5  
D 64293 Darmstadt  
Germany

☎ 49 615 188 61

**Solomon Phillip M**

Dpt Earth/Space Sci  
Astronomy Program  
Suny at Stony Brook  
Stony Brook NY 11794 2100  
USA

☎ 1 516 246 8383  
☎ 1 515 632 8240

**Solovaya Nina A**

SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia

☎ 7 095 939 3764  
☎ 7 095 939 0126  
✉ ursa@sai.msk.us

**Soltan Andrzej Maria**

Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland

☎ 48 22 41 1086  
☎ 48 22 41 0046

**Soltau Dirk**

Kiepenheuer Institut  
f Sonnenphysik  
Schoneckstr 6  
D 79104 Freiburg Breisgau  
Germany

☎ 49 761 319 8154  
☎ 49 761 319 8111  
✉ soltau@kis.uni-freiburg.de

**Soltynski Maciej**

ASSA  
P O Box 9  
7935 Observatory  
South Africa

☎ 27 21 918 4152  
☎ 27 21 918 4146  
✉ mgs@maties.sun.ac.za

**Soma Mitsuru**

Ni Astron Observ Japan  
Osawa  
Mitaka  
Tokyo 181 8588  
Japan

☎ 81 422 34 3788  
☎ 81 422 32 1924  
✉ somam@cc.nao.ac.jp

**Somerville William B**

Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK

☎ 44 171 382 7050  
☎ 44 171 380 7145

**Sommer-Larsen Jesper**  
Theoretical Astrophysics Centre  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5909  
① 45 35 32 5910

**Somov Boris V**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 1644  
① 7 095 939 01 26  
✉ snn@sai.msk.su

**Sonett Charles P**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 6935  
① 1 520 621 4933

**Song Doo Jong**  
Korea Astronomy Obs/ISSA  
36 1 Whaam Dong  
Yuseong Gu  
Taejon 305 348  
Korea RP  
☎ 82 428 61 1502  
① 82 428 61 5610  
✉ djsong@apiss.issa.  
re.kr@garam

**Song Guoxuan**  
Shanghai Obsrv  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Song Jin'an**  
Shaanxi Obsrv  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 33 2255  
① 86 9237 3496

**Song Mutao**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
① 86 25 301 459

**Songsathaporn Ruangsak**  
Physics Dpt  
Chiang Mai Univ  
Faculty of Sciences  
Chiang Mai 50002  
Thailand  
☎ 66 53 22 1934\*135

**Sonneborn George**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 3665  
① 1 301 286 1753  
✉ sonneborn@stars.gsfc.  
nasa.gov

**Sonti Sreedhar Rao**  
Astronomy Dpt  
Univ of Osmania  
Hyderabad 500 007  
India  
☎ 91 868951\*247

**Sood Ravi**  
Physics Dpt  
Univ College Adfa  
UNSW  
Canberra ACT 2600  
Australia  
☎ 61 2 62 688 765  
① 61 26 2688 786  
✉ r-sood@adfa.edu.au

**Soon Willie H**  
Cfa  
HCO/SAO MS 16  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7488  
① 1 617 495 7049  
✉ wsoon@cfasp34.  
harvard.edu

**Soonthornthum Boonruksar**  
Physics Dpt  
Fac Sciences  
Chiang Mai Univ  
Chiang Mai 50200  
Thailand  
☎ 66 53 22 1699\*3367  
① 66 53 22 2268  
✉ boonraks@cmu.  
chianmai.ac.th

**Sorensen Gunnar**  
Inst Phys/Astronomy  
Univ of Aarhus  
Ny Munkegade  
DK 8000 Aarhus C  
Denmark  
☎ 45 86 12 8899  
① 45 86 20 2711

**Sorensen Soren-Aksel**  
Dpt Computer Science  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050  
① 44 171 380 7145

**Sorochenko R L**  
Lebedev Physical Inst  
Acad Sciences  
Leninsky Pspst 53  
117924 Moscow  
Russia  
☎ 7 095 135 0171  
① 7 095 135 7880

**Sorokin Nikolai A**  
Inst Theoret Astron  
Acad Sciences  
Pyatnitskaya 48  
109017 Moscow  
Russia  
☎ 7 095 231 2923  
① 7 095 230 2081  
✉ nsorokin@inasan.  
rssi.ru

**Soru-Escaut Irina**  
Observ Paris Meudon  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 34 7530  
① 33 1 45 07 7971

**Sotirovski Pascal**  
Observ Paris Meudon  
DASOP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7802  
① 33 1 45 07 7971

**Soubiran Caroline**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
① 33 5 56 40 4251  
✉ soubiran@observ.u-  
bordeaux.fr

**Soucaill Genevieve**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 33 2819  
① 33 5 61 53 6722  
✉ soucaill@obs-mip.fr

**Souchay Jean**  
Observ Paris  
DANOF  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2322  
① 33 1 40 51 2291  
✉ souchay@obspm.fr

**Souffrin Pierre B**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
① 33 4 92 00 3033

**Soulie Guy**  
Observ Bordeaux  
BP 89  
F 33270 Floirac  
France  
☎ 33 5 56 86 4330  
① 33 5 56 40 4251

**Souriau Jean-Marie**  
10 r Mazarine  
F 13100 Aix en Provence  
France  
☎ 33 4 42 26 2580  
✉ Jean-  
Marie.Souriau@gypsis.univ-  
mrs.fr

**Sowell James Robert**  
Georgia Inst  
of Technology  
School of Physics  
Atlanta GA 30332  
USA  
☎ 1 404 894 3628  
✉ js58@hydra.gatech.edu

**Spada Gianfranco**  
TESRE  
CNR  
Via P Gobetti101  
I 40129 Bologna  
Italy  
☎ 39 51 639 8665  
① 39 51 639 8724

**Spadaro Daniele**  
Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 21111  
① 39 95 33 0592

**Spaenhauer Andreas Martin**  
Astronomisches Institut  
Univ Basel  
Venusstr 7  
CH 4102 Binningen  
Switzerland  
☎ 41 61 271 7711/12  
① 41 61 205 5455

**Spagna Alessandro**  
Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9034  
① 39 11 461 9030  
✉ spagna@to.astro.it

**Sparke Linda**  
Washburn Observ  
Univ Wisconsin  
475 N Charter St  
Madison WI 53706  
USA  
☎ 1 608 262 3071  
① 1 608 263 0361  
✉ sparke@wiscmac3

**Sparks Warren M**  
LANL  
MS F669  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 4922  
① 1 505 665 4055



**Sparks William Brian**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4843  
☎ 1 301 338 4767  
✉ sparks@stsci.edu

**Sparrow James G**  
Aeronautical Res  
Laboratories  
4331  
Melbourne VIC 3001  
Australia  
☎ 61 36 477 623

**Spasova Nedka Marinova**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
☎ 359 2 75 8927

**Speer R J**  
Physics Dpt  
Imperial Coll  
Prince Consort Rd  
London SW7 2BZ  
UK  
☎ 44 171 594 7771  
☎ 44 171 594 7772

**Spencer John Howard**  
NRL  
Code 7214  
4555 Overlook Av SW  
Washington DC 20375 5351  
USA  
☎ 1 202 767 3050  
✉ spencer@proteus.nrl.  
navy.mil

**Spencer Ralph E**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
☎ 44 147 757 1618

**Sperauskas Julius**  
Astronomical Observ  
Ciurlionio 29  
Vilnius 2009  
Lithuania  
☎ 370 2 633 343  
☎ 370 2 223 563

**Spergel David N**  
Princeton Univ Obs  
Peyton Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 258 3589  
☎ 1 609 258 1020  
✉ dns@astro.princeton.edu

**Spicer Daniel Shields**  
NASA GSFC  
Code 682  
Greenbelt MD 20771  
USA  
☎ 1 301 286 7334

**Spiegel E**  
Astronomy Dpt  
Columbia Univ  
538 W 120th St  
New York NY 10027  
USA  
☎ 1 212 854 3278  
☎ 1 212 316 9504

**Spielfiedel Annie**  
Observ Paris Meudon  
DAMAP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7453  
☎ 33 1 45 07 7469  
✉ spilfeld@obspm.fr

**Spinrad Hyron**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 415 642 2078  
☎ 1 510 642 3411

**Spite Francois M**  
Observ Paris Meudon  
DASGAL  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7840  
☎ 33 1 45 07 7878  
✉ francois.spite@  
obspm.fr

**Spite Monique**  
Observ Paris Meudon  
DASGAL  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7839  
☎ 33 1 45 07 7971  
✉ monique.spite@  
obspm.fr

**Spithas Eleferios N**  
Astronomy Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414  
☎ 30 1 723 5122

**Spoelstra T A Th**  
NFRA  
Postbus 2  
NL 7991 Pd Dwingeloo  
Netherlands  
☎ 31 521 59 5100  
☎ 31 52 159 7332

**Sprague Ann Louise**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 2282  
☎ 1 520 621 4933  
✉ sprague@titan.lpl.arizona.edu

**Spruit Henk C**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 00  
☎ 49 893 299 3235

**Spurny Pavel**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7153  
☎ 420 2 88 1611  
✉ spurny@asu.cas.cz

**Spurzem Rainer**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 5230  
☎ 49 622 140 5297  
✉ spurzem@relay.ari.uni-  
heidelberg.de

**Spyrou Nicolaos**  
Astronomy Lab  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 2658

**Sramek Richard A**  
NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 835 7394  
☎ 1 505 835 7027

**Sreekantan B V**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 219 111  
☎ 91 22 215 2110

**Sreenivasan S Ranga**  
Physics Dpt  
Univ of Calgary  
2500 University Dr NW  
Calgary AB T2N 1N4  
Canada  
☎ 1 403 284 5385  
☎ 1 403 289 3331

**Srinivasan G**  
RRI  
Sadashivanagar  
CV Raman Av  
Bangalore 560 080  
India  
☎ 91 80 334 0122  
☎ 91 80 334 0492  
✉ srini@rri.ernet.in

**Srivastava Dhuwra**  
Physics Dpt  
Univ of Gorakhpur  
Gorakhpur 273 009  
India  
☎ 91 551 332 398  
☎ 91 551 340 459  
✉ dcs@gkpu.ernet.in

**Srivastava J B**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136  
✉ srini@rri.ernet.in

**Srivastava Ram Kumar**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136

**St-Louis Nicole**  
Dpt d Physique  
Universite Montreal  
CP 6128 Succ A  
Montreal QC H3C 3J7  
Canada  
☎ 1 514 343 6932  
☎ 1 514 343 2071  
✉ stlouis@astro.umontreal.ca

**Stabell Rolf**  
Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway  
☎ 47 22 856 530  
☎ 47 22 85 6505  
✉ rolf.stabell@astro.uio.no

**Stacey Gordon J**  
Astronomy Dpt  
Cornell Univ  
512 Space Sc Bldg  
Ithaca NY 14853 6801  
USA  
☎ 1 607 255 5900  
☎ 1 607 255 5875  
✉ stacey@astro.sun.tn.edu

**Stachnik Robert V**  
NASA Headquarters  
Astrophysics Div  
Code SZ  
Washington DC 20546  
USA  
☎ 1 202 358 0351  
☎ 1 202 358 3096  
✉ rstachnik@gm.oss.a.hq.  
nasa.gov

**Stagg Christopher**  
Dpt Phys/Astronomy  
Univ of Calgary  
2500 University Dr NW  
Calgary AB T2N 1N4  
Canada  
☎ 1 403 220 7423  
☎ 1 403 289 3331  
✉ azpiaz@wesson.phys.  
ucalgary.ca

**Stagni Ruggero**  
Osserv Astrofisico  
Univ d Padova  
Via d Osservatorio 8  
I 36012 Asiago  
Italy  
☎ 39 424 462 665  
📠 39 424 462 884

**Stahl Otmar Richard**  
Landessternwarte  
Koenigsstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9231  
📠 49 622 150 9202  
✉ o.stahl@lsw.uni-heidelberg.de

**Stahler Steven W**  
Physics Dpt  
MIT  
Box 165  
Cambridge MA 02139 4307  
USA  
☎ 1 617 253 0905  
📠 1 617 253 9798

**Stahr-Carpenter M**  
1101 Hill Top Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 293 7063

**Stalio Roberto**  
Dpt Astronomia  
Univ d Trieste  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 79 3921\*221  
📠 39 40 30 9418

**Standish E Myles**  
CALTECH/JPL  
MS 301 150  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 3959  
📠 1 818 393 6388  
✉ ems@smyles.jpl.nasa.gov

**Stanford Spencer A**  
LLNL  
L 413  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 415 423 6013  
📠 1 415 423 0238  
✉ adam@igpp.llnl.gov

**Stanga Ruggero**  
Dpt Astronomia  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
📠 39 55 22 0039

**Stange Lothar**  
Technical Univ  
Dresden  
Mommensenstr 13  
D 8027 Dresden  
Germany  
☎ 49 51 463 4652

**Stanghellini Letizia**  
Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 333  
📠 39 51 259 407  
✉ stanghellini@astb03.bo.astro.it

**Stanla George**  
Mitropolit Grigore 28  
Box 28  
RO 75215 Bucharest  
Rumania  
☎ 40 1 623 3426

**Stankevich Kazimir S**  
Radiophysical Res  
Inst  
Lyadov Ul 25/14  
603600 N Novgorod  
Russia  
☎ 7 832 338 9091  
📠 7 831 236 9902

**Stanley G J**  
Box 1348  
Carmel Valley CA 93924  
USA  
☎ 1 408 659 2940

**Stannard David**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
📠 44 147 757 1618

**Stark Antony A**  
Cfa  
HCO/SAO MA 78  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 496 7648  
📠 1 617 496 7554  
✉ aas@cfa.harvard.edu

**Stark Glen**  
Whitin Observ  
Wellesley Coll  
Wellesley MA 02181  
USA  
☎ 1 617 235 0320  
📠 1 617 283 3667  
✉ gstark@lucy.wellesley.edu

**Starrfield Sumner**  
Phys/Astronomy Dpt  
Arizona State Univ  
Astronomy Program  
Tempe AZ 85287 1504  
USA  
☎ 1 602 965 7569  
📠 1 602 965 7954  
✉ sumner.starrfield@asu.edu

**Stasinska Grazyna**  
Observ Paris Meudon  
DAEC  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7422  
📠 33 1 45 07 7971  
✉ grazyna@obspm.fr

**Stathopoulou Maria**  
Astrophysics Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414  
📠 30 1 722 8981  
✉ marstath@grathun1

**Staubert Ruediger Prof**  
Astronomisches Institut  
Univ Tuebingen  
Waldhauserstr 64  
D 72076 Tuebingen  
Germany  
☎ 49 707 129 4980  
📠 49 707 129 3458  
✉ staubert@ait.physik.uni.tuebingen.de

**Staude Hans Jakob**  
MPI Astronomie  
Koenigsstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 8229  
📠 49 622 152 8246

**Staude Juergen**  
AIP  
SOE  
Telegrafenberg  
D 14473 Potsdam  
Germany  
☎ 49 331 288 2300  
📠 49 331 288 2310  
✉ jstaude@aip.de

**Stauffer John Richard**  
117 Sylvester Av  
Winchester MA 01890  
USA  
☎ 1 617 495 7024  
📠 1 617 495 7490  
✉ stauffer@cfa.harvard.edu

**Staveley-Smith Lister**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
📠 61 2 868 0310  
✉ lstavele@atnf.csiro.au

**Stavinschi Magdalena**  
Astronomical Institute of the  
Romanian Academy  
Romanian Acad Sciences  
Cutitul de Argint 5  
RO 75212 Bucharest  
Rumania  
☎ 40 1 641 3686  
📠 40 1 312 3391  
✉ magda@roastro.astro.ro

**Stawikowski Antoni**  
Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland  
☎ 48 56 26 018  
📠 48 56 24 602

**Stebbins Robin**  
JILA  
Univ of Colorado  
Campus Box 440  
Boulder CO 80309 0440  
USA  
☎ 1 303 492 6073  
📠 1 303 492 5235

**Stecher Theodore P**  
NASA GSFC  
Code 680  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8718  
📠 1 301 286 1753  
✉ stecher@uit.gsfc.nasa.gov

**Stecker Floyd W**  
NASA GSFC  
Code 660  
Greenbelt MD 20771  
USA  
☎ 1 301 286 6057

**Stecklum Bringfried**  
Thueringer Landessternwarte  
Sternwarte 5  
D 07778 Tautenburg  
Germany  
☎ 49 364 278 6354  
📠 49 364 278 6329  
✉ stecklum@ts-tautenburg.de

**Steel Duncan I**  
Spaceguard Australia P/L  
Box 3303  
Rundle Mall  
Adelaide SA 5000  
Australia  
☎ 61 8 8232 6133  
📠 61 8 8232 6103  
✉ dis@a011.aone.net.au

**Steele Colin D C**  
Mathematics Dpt  
UMIST  
Box 88  
Manchester M60 1QD  
UK  
☎ 44 161 200 3632  
📠 44 161 200 3669  
✉ cds@ast.ma.umist.ac.uk

**Steenman-Clark Lois**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
📠 33 4 92 00 3033

**Stefanik Robert**  
Oak Ridge Observ  
Harvard Smithsonian Ctr  
Pinnacle Rd  
Harvard MA 01451  
USA  
☎ 1 617 495 7070  
✉ stefanik@cfa.harvard.edu

**Stefano Andreon**  
Osserv d Capodimonte  
Via Moiairiello 16  
I 80131 Naples  
Italy  
☎ 39 81 557 5546  
☎ 39 81 45 6710  
✉ andreon@na.astro.it

**Steffen Matthias**  
Inst Theor Phys/  
Sternwarte Univ Kiel  
Olshausenstr 40  
D 24098 Kiel  
Germany  
☎ 49 431 880 4101  
☎ 49 431 880 4432

**Steffl Stanislav**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7143  
☎ 420 2 88 1611  
✉ sstefl@sunstel.asu.cas.cz

**Steffl Vladimir**  
Dpt Th Phys/Astrophys  
Masaryk Univ  
Kotlarska 2  
CZ 611 37 Brno  
Czech R  
☎ 420 5 4112 9482  
☎ 420 5 4121 1214  
✉ stehl@astro.sci.muni.cz

**Stehle Chantal**  
Observ Paris Meudon  
DARC  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7453  
☎ 33 1 45 07 7971  
✉ chantal.stehle@obspm.fr

**Steiger W R**  
30 Kiele Pl  
Hilo HI 96720  
USA  
☎ 1 808 961 4980  
☎ 1 808 961 6516

**Steigman Gary**  
Physics Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 292 1999

**Steiman-Cameron Thomas**  
NASA/ARC  
Theor Studies Br  
MS 245 3  
Moffett Field CA 94035 1000  
USA  
☎ 1 415 694 3120  
☎ 1 415 604 6779

**Stein John William**  
LaRoche College  
Dpt Maths/Natural Sci  
9000 Babcock Blvd  
Pittsburgh PA 15237  
USA  
☎ 1 412 367 9300  
☎ 1 412 367 9277  
✉ jstein@univ.cis.pitt.edu

**Stein Robert F**  
Physics/Astronomy Dpt  
Michigan State Univ  
East Lansing MI 48824  
USA  
☎ 1 517 353 8661  
☎ 1 517 353 4500

**Stein Wayne A**  
School Phys/Astronomy  
Univ Minnesota  
116 Church St SE  
Minneapolis MN 55455  
USA  
☎ 1 612 373 9963  
☎ 1 612 624 2029

**Steiner Joao E**  
INPE  
Dpt Astronomia  
CP 515  
12227 010 S Jose dos Campos  
Brazil  
☎ 55 123 22 9977  
☎ 55 123 21 8743

**Steiner Oskar**  
Kiepenheuer Institut  
f Sonnenphysik  
Schoneckstr 6  
D 79104 Freiburg Breisgau  
Germany  
☎ 49 761 319 8222  
☎ 49 761 31 98 111  
✉ steiner@kis.uni-freiburg.de

**Steinert Klaus Guenter**  
Lorhmann Observ  
Dresden Univ  
Mommensenstr 13  
D 01062 Dresden  
Germany  
☎ 49 351 463 4097  
☎ 49 351 463 7019  
✉ lormobs@rcs.urz.tu-dresden.de

**Steinitz Raphael**  
Physics Dpt  
Ben Gurion Univ  
Box 653  
Beersheva 84105  
Israel  
☎ 972 57 70 985

**Steinle Helmut**  
MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 3374  
☎ 49 893 299 3569  
✉ hcs@mpe-garching.mpg.de

**Steinlin Uli**  
Schulgasse 7  
CH 4105 Biel Benken  
Switzerland

**Steinolfson Richard S**  
Southwest Res Inst  
6220 Culebra Rd  
San Antonio TX 78228 2510  
USA  
☎ 1 512 522 2822  
☎ 1 512 647 4325

**Stellingwerf Robert F**  
LANL  
MS F645 X.DIV  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 4370  
☎ 1 505 665 4055

**Stellmacher Goetz**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8057  
☎ 33 1 44 32 8001

**Stellmacher Irene**  
BDL  
77 Av Denfert Rochereau  
F 75014 Paris  
France  
☎ 33 1 43 20 1210  
☎ 33 1 46 33 2834

**Stencel Robert Edward**  
Physics Dpt  
Univ of Denver  
2112 E Wesley Av  
Denver CO 80208  
USA  
☎ 1 303 871 2135  
☎ 1 303 871 4405  
✉ rstencel@diana.cair.du.edu

**Stenflo Jan O**  
Inst Astronomie  
ETH Zentrum  
CH 8092 Zuerich  
Switzerland  
☎ 41 1 632 3804  
☎ 41 1 632 1205  
✉ stenflo@astro.phys.ethz.ch

**Stenholm Bjorn**  
Lund Observ  
Box 43  
S 221 00 Lund  
Sweden  
☎ 46 46 222 7306  
☎ 46 46 222 4614  
✉ bjorn@astro.lu.se

**Stenholm Lars**  
Astronomical Observ  
Box 515  
S 751 20 Uppsala  
Sweden  
☎ 46 18 11 2488  
☎ 46 18 52 7583  
✉ stenholm@laban.uv.se

**Stepanian A A**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71179  
☎ 380 6554 40704

**Stepanian Jivan A**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640

**Stepanian N N**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
☎ 380 6554 40704

**Stepanov Alexander V**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
☎ 7 812 315 1701

**Stephens S A**  
TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 219 1111  
☎ 91 22 495 2110

**Stephenson C Bruce**  
Physics Dpt  
CWRU  
Rock Bdg  
Cleveland OH 44106  
USA  
☎ 1 216 368 6699  
✉ cbs3@po.cwru.edu

**Stephenson F Richard**  
Physics Dpt  
Univ of Durham  
South Rd  
Durham DH1 3LE  
UK  
☎ 44 191 374 2153  
☎ 44 191 374 3749

**Stepien Kazimierz**  
Astronomical Observ  
Warsaw Univ  
Al Ujazdowski 4  
PL 00 478 Warsaw  
Poland  
☎ 48 22 29 4011  
☎ 48 22 29 4967  
✉ kst@taurus.astrow.  
edu.pl

**Stepinski Tomasz**  
LPI  
3600 Bay Area Blvd  
Houston TX 77058  
USA  
☎ 1 713 486 2170

**Steppe Hans**  
IRAM  
Avd Divina Pastora 7  
Bloque 6/2b  
E 18012 Granada  
Spain  
☎ 34 5 827 9508  
☎ 34 5 820 7662

**Sterken Christiaan Leo**  
Astrofysisch Inst  
Vrije Univ Brussel  
Pleinlaan 2  
B 1050 Brussels  
Belgium  
☎ 32 2 629 3469  
☎ 32 9 362 3976  
✉ csterken@vub.  
ac.be

**Stern Robert Allan**  
Lockheed Palo Alto Res Lb  
Dpt 91 30 Bg 252  
3251 Hanover St  
Palo Alto CA 94304 1191  
USA  
☎ 1 416 424 3272  
☎ 1 415 424 3994  
✉ stern@sag.space.  
lockheed.com

**Stern S Alan**  
Southwest Res Inst  
6220 Culebra Rd  
San Antonio TX 78238 5166  
USA  
☎ 1 303 546 9670  
☎ 1 303 546 9687  
✉ alan@swri.space.  
swri.edu

**Steshenko N V**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
☎ 380 6554 40704

**Stetson Peter B**  
NRCC/HIA  
DAO  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 363 0029  
☎ 1 250 363 0045  
✉ stetson@dao.nrc.ca

**Stevens Gerard A**  
SRON  
Postbus 800  
Sorbonnelaan 2  
NL 3584 CA Utrecht  
Netherlands  
☎ 31 30 253 5600  
☎ 31 30 254 0860

**Stevens Ian**  
School of Physics  
Univ Birmingham  
Box 363  
Birmingham B15 2TT  
UK  
☎ 44 12 14 14 3565  
☎ 44 12 14 14 3722  
✉ irs@star.sr.bham.  
ac.uk

**Stevens Bonita Alice**  
Mathematics Dpt  
Glasgow Caledonia Univ  
Cowcaddens Rd  
Glasgow G4 0BA  
UK  
☎ 44 141 331 3619  
☎ 44 141 331 3608  
✉ bst@gcal.ac.uk

**Stewart John Malcolm**  
Dpt Appl Maths/Theor Phys  
Silver Street  
Cambridge CB3 9EW  
UK  
☎ 44 12 23 337 00  
☎ 44 12 23 337 918

**Stewart Paul**  
Mathematics Dpt  
Univ Manchester  
Oxford Rd  
Manchester M13 9PL  
UK  
☎ 44 161 275 4224  
☎ 44 161 275 4223

**Stewart Ronald T**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0310  
✉ rstewart@atnf.  
csiro.au

**Steyaert Herman**  
Toegepaste Wiskunde Inf  
Universiteit Gent  
Krijgslaan 281 S9  
B 9000 Gent  
Belgium  
☎ 32 9 264 4805  
☎ 32 9 264 4995

**Stiavelli Massimo**  
Via F Corridoni 25  
I 56100 Pisa  
Italy  
☎ 39 50 48806

**Stibbs Douglas W N**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 881 111  
☎ 61 262 490 233  
✉ dwms@msu.anu.  
edu.au

**Stickland David J**  
Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 446 523  
☎ 44 12 35 44 5808

**Stier Mark T**  
Perkin Elmer Corp  
MS 842  
100 Wooster Heights Rd  
Danbury CT 06810 7859  
USA  
☎ 1 203 797 5708  
☎ 1 203 797 6259  
✉ mstier@west.  
raytheon.com

**Stift Martin Johannes**  
Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 345 36096  
☎ 43 1 470 6015

**Stinebring Daniel R**  
Physics Dpt  
Oberlin College  
Oberlin OH 44074 1088  
USA

**Stirpe Giovanna M**  
Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 25 9301  
☎ 39 51 25 9407  
✉ stirpe@astbo3.  
cineca.it

**Stix Michael**  
Kiepenheuer Inst  
Sonnenphysik  
Schoeneckstr 6  
D 79104 Freiburg Breisgau  
Germany  
☎ 49 761 328 64  
☎ 49 761 319 8111

**Stobie Robert S**  
SAAO  
PO Box 9  
7935 Observatory  
South Africa  
☎ 27 21 47 0025  
☎ 27 21 47 3639  
✉ rss@sao.ac.za

**Stock Jurgen D**  
CIDA  
Box 264  
Merida 5101 A  
Venezuela  
☎ 58 7 471 2780/3883  
☎ 58 7 471 2459  
✉ stock@cida.ve/stock@  
milkyway.cc.fc.ul.pt

**Stoker John T**  
CASA  
Univ of Colorado  
Campus Box 389  
Boulder CO 80309 0389  
USA  
☎ 1 303 492 1521  
☎ 1 303 492 7178

**Stockman Hervey S**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4730  
☎ 1 301 338 2519

**Stockton Alan N**  
Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 8566  
☎ 1 808 988 2790

**Stoeger William R**  
Specola Vaticana  
I 00120 Citta del Vaticano  
Vatican City State  
☎ 39 6 698 3411/5266  
☎ 39 6 698 84671

**Stoev Alexei**  
People's Astronom Obs  
& Planetaria in Bulgaria  
Yuri Gagarin  
BG 6000 Stara Zagora  
Bulgaria  
☎ 359 4 24 3183

**Stoker Pieter H**  
Cosmic Ray Res Unit  
Potchefstroom Univ  
for CHE  
2520 Potchefstroom  
South Africa  
☎ 27 148 299 2423  
☎ 27 148 299 2421

**Stone Edward C**  
CALTECH/JPL  
MS 180 904  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 3405  
☎ 1 818 393 4218

**Stone James McLellan**  
Astronomy Dpt  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 2103  
☎ 1 301 314 9067  
✉ jstone@astro.umd.edu

**Stone R G**

NASA GSFC  
Code 690  
Greenbelt MD 20771  
USA

☎ 1 301 286 8631  
☎ 1 301 286 1683

**Stone Remington P S**

Lick Observ  
Mount Hamilton CA 95140  
USA

☎ 1 408 274 1809  
✉ rem@lick.ucsc.edu

**Stone Ronald Cecil**

USNO  
Flagstaff Station  
Box 1149  
Flagstaff AZ 86002 1149  
USA

☎ 1 520 779 5132  
☎ 1 520 774 3626  
✉ rcs@nofs.navy.mil

**Storchi-Bergman Thaisa**

Instituto Fisica  
UFRGS  
CP 15051  
91501 900 Porto Alegre RS  
Brazil

☎ 55 512 36 4677

**Storey John W V**

School of Physics  
UNSW  
BOX 1  
Kensington NSW 2033  
Australia

☎ 61 26 974 591  
☎ 61 6 268 8786

**Storey Michelle**

Dpt Th Physics  
Univ of Sydney  
Sydney NSW 2006  
Australia

☎ 61 2 692 2538  
☎ 61 2 660 2903

**Storm Jesper**

ESO  
Santiago Office  
Casilla 19001  
Santiago 19  
Chile

☎ 56 2 228 5006  
☎ 56 2 228 5132

**Stotskii Alexander A**

Inst Appl Astronomy  
Zhdanovskaya 8  
St Petersburg 197110  
Russia

☎ 7 812 235 3316\*118  
☎ 7 812 230 7413  
✉ stotskii@isida.ipa.rssi.ru

**Strachan Leonard Jr**

CfA  
HCO/SAO MS 50  
60 Garden St  
Cambridge MA 02138 1516  
USA

☎ 1 617 496 7569  
☎ 1 617 495 7455  
✉ lstrachan@cfa.harvard.edu

**Strafella Francesco**

Dpt Fisica  
Univ d Lecce  
Via Per Arnesano  
I 73100 Lecce  
Italy

☎ 39 83 26 27/247

**Straizys V**

Inst Theor Physics/  
Astronomy  
Gostauto 12  
Vilnius 2600  
Lithuania

☎ 370 2 613 440  
☎ 370 2 818 464  
✉ straizys@itpa.fi.lt  
straizys@itpa.cinet.lt

**Strand Kaj Aa**

3200 Rowland Pl Nw  
Washington DC 20008  
USA

☎ 1 202 966 0495

**Strassmeier Klaus G**

Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria

☎ 43 1 340 31695  
☎ 43 1 470 6015  
✉ strassmeier@via.una.ac.at

**Straumann Norbert**

Inst Theor Physics  
Univ Zuerich  
Winterthurerstr 190  
CH 8057 Zuerich  
Switzerland

☎ 41 1 257 5815  
☎ 41 1 257 5704

**Strazzulla Giovanni**

Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy

☎ 39 95 733 21111  
☎ 39 95 33 0592

**Strelitski Vladimir**

Maria Mitchell Observ  
3 Vestal St  
Nantucket MA 02554  
USA

✉ vladimir@mmo.org

**Strigatchev Anton**

Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria

☎ 359 2 75 8927  
☎ 359 2 75 8927

✉ antonst@phys.acad.bg

**Stringfellow Guy Scott**

CASA  
Univ of Colorado  
Campus Box 389  
Boulder CO 80309 0389  
USA

☎ 1 303 492 6056  
☎ 1 303 492 4052  
✉ guy@casa.colorado.edu

**Strittmatter Peter A**

Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA

☎ 1 520 621 6532  
☎ 1 520 621 1532

**Strobel Andrzej**

Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland

☎ 48 56 26 018  
☎ 48 56 24 602

**Strobel Darrell F**

Dpt Earth/Planet Sci  
JHU  
Charles/34th St  
Baltimore MD 21218  
USA

☎ 1 301 338 7034  
☎ 1 301 338 7933

**Strohmeier Wolfgang**

Volkfeldstr 5  
D 8600 Bamberg  
Germany

☎ 49 951 553 94

**Strom Karen M**

Astronomy Dpt  
Univ Massachusetts  
GRC 518 B 6732  
Amherst MA 01002  
USA

☎ 1 413 545 2290

**Strom Richard G**

NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands

☎ 31 521 59 5100  
☎ 31 52 159 7332

**Strom Robert G**

Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA

☎ 1 520 621 2720  
☎ 1 520 621 4933

**Strom Stephen E**

Dpt Phys/Astronomy  
Univ Massachusetts  
GRC 518 B  
Amherst MA 01003  
USA

☎ 1 413 545 2290  
☎ 1 413 545 4223  
✉ sstrom@donald.phast.umass.edu

**Strong Ian B**

229 Rio Brave Dr  
White Rock NM 87544  
USA

**Strong Keith T**

Lockheed Palo Alto Res Lb  
Dpt 91 30 Bg 252  
3251 Hanover St  
Palo Alto CA 94304 1191  
USA

☎ 1 415 354 5136  
☎ 1 415 424 3994  
✉ strong@sag.space.lockheed.com

**Struble Mitchell F**

Dpt Astron/Astrophys  
Univ of Pennsylvania  
David Rittenhouse Lab  
Philadelphia PA 19104  
USA

☎ 1 215 243 8176  
☎ 1 215 898 9336

**Struck-Marcell Curtis J**

Physics Dpt  
Iowa State Univ  
Ames IA 50011  
USA

☎ 1 515 294 5440  
☎ 1 515 294 3262

**Strukov Igor A**

Space Res Inst  
Acad Sciences  
Profsojuznaya Ul 84/32  
117810 Moscow  
Russia

☎ 7 095 333 1466  
☎ 7 095 310 7023

**Stryker Linda L**

Arizona State Univ West  
Box 37100  
Phoenix AZ 85069 7100  
USA

☎ 1 602 543 6000  
☎ 1 602 543 6004  
✉ stryker@phyast.la.asu.edu

**Stumpff Peter**

RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany

☎ 49 228 525 360  
☎ 49 228 525 229

**Sturch Conrad R**

STScI/CSC  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA

☎ 1 301 338 4856  
☎ 1 301 338 4767

**Sturrock Peter A**

Ctr for Space Sci/  
Astrophysics  
Stanford Univ ERL 306  
Stanford CA 94305 4055  
USA

☎ 1 415 723 1438  
☎ 1 415 725 2333  
✉ sturrock@flare.stanford.edu

**Stutz Juergen**

Erstes Physikalisches Institut  
Univ Koeln  
Zuelpicherstr 77  
D 50937 Koeln  
Germany  
☎ 49 221 470 3494/3567  
☎ 49 221 470 5162  
✉ stutzki@ph1.uni-koeln.de

**Su Dingqiang**

Ctr for Astronomy  
Instrument Res  
CAS  
Nanjing 210042  
China PR  
☎ 86 25 5411 776  
☎ 86 25 5411 872  
✉ dqsu@public1.ptt.js.cn

**Su Hongjun**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6254 5179  
☎ 86 1 256 10855

**Subrahmanya C R**

NCRA/TIFR  
Pune Univ Campus Pb 3  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 33 7107  
☎ 91 212 33 5760

**Subrahmanyam P V**

Astronomy Dpt  
Univ of Osmania  
Hyderabad 500 007  
India  
☎ 91 71 951\*247

**Subramanian K R**

IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 0672 76  
☎ 91 80 553 4043  
✉ subra@iap.ernet.in

**Subramanian Kandaswamy**

NCRA/TIFR  
Pune Univ Campus Pb 3  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 33 7107  
☎ 91 212 33 5760

**Suda Kazuo**

Astronomical Institute  
Tohoku Univ  
Sendai Aoba  
Miyagi 980  
Japan  
☎ 81 222 22 1800  
☎ 81 222 262 6609

**Sudzius Jokubas**

Astronomical Observ  
Ciurlionio 29  
Vilnius 2009  
Lithuania  
☎ 370 2 633 343  
☎ 370 2 635 648/223 563  
✉ jokubas.sudzius@ff.vu.lt

**Suematsu Yoshinori**

Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 41 3705  
☎ 81 422 41 3700  
✉ suematsu@spot.mtk.nao.ac.jp

**Suess Steven T**

NASA/MSFC  
Space Science Lab  
Code ES 52  
Huntsville AL 35812  
USA  
☎ 1 205 453 2824  
☎ 1 205 544 7754

**Sugai Hajime**

Astronomy Dpt  
Kyoto Univ  
Sakyo-ku  
Kyoto 606 01  
Japan  
☎ 81 75 753 3898  
☎ 81 75 753 3897  
✉ sugai@kusastro.kyoto-u.ac.jp

**Sugawa Chikara**

Hananot 1586 25  
Kashiwa Shi  
Chiba Ken 277  
Japan  
☎ 81 471 33 3825

**Sugimoto Daichiro**

Univ of the Air  
2-11 Wakaba  
Mihama-ku  
Chiba 261 8586  
Japan  
☎ 81 43 298 4180  
☎ 81 43 298 4180  
✉ sugimoto@u-air.ac.jp

**Suginohara Tatsushi**

Physics Dpt  
Univ of Tokyo  
7-3-1 Hongo Bunkyo-ku  
Tokyo 113  
Japan  
☎ 81 338 12 2111\*4177  
☎ 81 356 84 9642  
✉ tatsushi@phys.s.u-tokyo.ac.jp

**Sugitani Koji**

College of General Education  
Nagoya City Univ  
Mizuho Ku  
Nagoya 467  
Japan  
☎ 81 528 72 5846  
☎ 81 528 82 3075  
✉ d43000@jpnkudpc

**Sugiyama Naoshi**

Physics Dpt  
Univ of Tokyo  
Hongo 7-3-1 Bunkyo-ku  
Kyoto 113  
Japan  
☎ 81 338 12 2111\*4191  
☎ 81 356 89 0465

**Suh Kyung-Won**

Dpt Astronomy/Space Sci  
Chungbuk Ntl Univ  
San 48 Gaeshin Dong  
Cheongju 360 763  
Korea RP  
☎ 82 431 61 2315  
☎ 82 431 67 4232  
✉ kwsuh@cbucc.cbnu.ac.kr

**Sukartadiredja Darsa**

Planetarium Dki  
Jl Cikini Raya 73  
Jakarta 10330  
Indonesia  
☎ 62 21 377 530

**Sukumar Sundarajan**

DRAO  
NRCC/HIA  
Box 248  
Penticton BC V2A 6K3  
Canada  
☎ 1 250 493 2277  
☎ 1 250 493 7767

**Sulentic Jack W**

Dpt Phys/Astronomy  
Univ of Alabama  
Box 870324  
Tuscaloosa AL 35487 0324  
USA  
☎ 1 205 348 5050  
☎ 1 205 348 5051  
✉ jsulentic@ualvm

**Sullivan Denis John**

Physics Dpt  
Victoria Univ  
Private Bag  
Wellington  
New Zealand  
☎ 64 721 000  
✉ sullivan@matai.vuw.ac.nz

**Sullivan Woodruff T**

Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA  
☎ 1 425 543 7773  
☎ 1 425 685 0403  
✉ woody@astro.washington.edu

**Sultanov G F**

Shemakha Astrophysical  
Observ  
Azerbaijan Acad Sci  
373243 Shemakha  
Azerbaijan  
☎ 994 89 22 39 8248

**Summers Hugh P**

UK Culham Lab  
Jet Joint Undertaking  
Abingdon OX14 3EA  
UK  
☎ 44 12 35 28822

**Sun Jin**

Astronomy Dpt  
Beijing Normal Univ  
Beijing 100875  
China PR  
☎ 86 1 65 6531\*6285  
☎ 86 1 201 3929

**Sun Kai**

Dpt Geophysics  
Beijing Univ  
Beijing 100871  
China PR  
☎ 86 1 28 2471\*3888

**Sun Wei-Hsin**

Inst Phys/Astronomy  
Ntl Central Univ  
Chung Li Taiwan 32054  
China R  
☎ 886 3 425 4960  
☎ 886 3 426 2304  
✉ sun@angel.phy.ncu.edu.tw

**Sun Yisui**

Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 37551  
☎ 86 25 330 2728

**Sun Yongxiang**

Inst Geodesy/  
Geophysics  
Xu Dong Lu  
Wuchang 430077  
China PR

**Sunada Kazuyoshi**

Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 984 384  
☎ 81 267 982 927  
✉ sunada@nro.nao.ac.jp

**Sundelius Bjoern**

Mechanics Div  
Chalmers Technical Univ  
S 412 96 Goeteborg  
Sweden  
☎ 46 31 722 1517  
☎ 46 31 772 3477  
✉ bjsu@mec.c.chalmers.se

**Sundman Anita**

Stockholm Observ  
Royal Swedish Acad Sciences  
S 133 36 Saltsjoebaden  
Sweden  
☎ 46 8 717 0634  
☎ 46 8 717 4719  
✉ sundman@astro.su.se

**Suntzeff Nicholas B**  
 NOAO  
 CTIO  
 Casilla 603  
 La Serena  
 Chile  
 ☎ 56 51 22 5415  
 ☎ 56 51 20 5342  
 ✉ nsuntzeff@noao.edu

**Sunyaev Rashid A**  
 Space Res Inst  
 Acad Sciences  
 Profsojuznaya Ul 84/32  
 117810 Moscow  
 Russia  
 ☎ 7 095 333 3373  
 ☎ 7 095 310 7023  
 ✉ rsunyaev@esoci

**Suran Marian Doru**  
 Astronomical Institute  
 Romanian Acad Sciences  
 Cutitul de Argint 5  
 RO 75212 Bucharest  
 Rumania  
 ☎ 40 1 641 3686  
 ☎ 40 1 312 3391  
 ✉ suran@roastro.astro.ro

**Surdej Jean M G**  
 STScI  
 Homewood Campus  
 3700 San Martin Dr  
 Baltimore MD 21218  
 USA  
 ☎ 1 301 338 4984  
 ☎ 1 301 338 4767  
 ✉ surdej@stsci.edu

**Surdin Vladimir G**  
 SAI  
 Acad Sciences  
 Universitetskij Pr 13  
 119899 Moscow  
 Russia  
 ☎ 7 095 939 1616  
 ☎ 7 095 932 8841  
 ✉ surdin@sai.msu.su

**Sutantyo Winardi**  
 Bosscha Observ  
 ITB Lembang  
 Lembang 40391  
 Indonesia  
 ☎ 62 22 229 6001  
 ☎ 62 22 278 7289

**Sutherland Peter G**  
 Physics Dpt  
 Memaster Univ  
 Hamilton ON L8S 4M1  
 Canada  
 ☎ 1 416 525 9140  
 ☎ 1 416 546 1252

**Sutherland William**  
 Astrophysics Dpt  
 Univ of Oxford  
 Keble Rd  
 Oxford OX1 3RH  
 UK  
 ☎ 44 186 527 3310  
 ☎ 44 186 527 3418  
 ✉ wjs@uk.ac.ox.astro

**Suto Yasushi**  
 Physics Dpt  
 Univ of Tokyo  
 Bunkyo Ku  
 Tokyo 113  
 Japan  
 ☎ 81 338 12 3111\*4195  
 ☎ 81 356 84 9642

**Sutton Edmund Charles**  
 Dpt Astron/Physics  
 Univ of Illinois  
 1002 W Green St  
 Urbana IL 61801  
 USA  
 ☎ 1 217 333 9339  
 ☎ 1 217 244 7638  
 ✉ sutton@astro.uiuc.edu

**Suzuki Hideyuki**  
 Kek Ntl Laboratory For  
 High Energy Physics  
 1 1 Oho  
 Tsukuba Ibaraki 305  
 Japan  
 ☎ 81 298 64 5400  
 ☎ 81 298 64 2580  
 ✉ suzuki@keth1.kek.jp

**Suzuki Yoshimasa**  
 23-1 Nakajima  
 Hironomachi  
 Uji 611  
 Japan

**Svalgaard Leif**  
 Hertogenlaan 31  
 B 3202 Lubbeek  
 Belgium

**Svechnikova Maria A**  
 Astronomy Dpt  
 Uralskij State Univ  
 Lenin Pr 51  
 620083 Sverdlovsk  
 Russia  
 ☎ 7 343 222 0729  
 ☎ 7 343 222 3386

**Svensson Roland**  
 Stockholm Observ  
 Royal Swedish Acad Sciences  
 S 133 36 Salsjöbaden  
 Sweden  
 ☎ 46 8 716 4472  
 ☎ 46 8 717 4719  
 ✉ svensson@astro.su.se

**Sveshnikov Mikhail**  
 Inst Theoret Astron  
 Acad Sciences  
 N Kutuzova 10  
 191187 St Petersburg  
 Russia  
 ☎ 7 812 275 0360  
 ☎ 7 812 272 7968  
 ✉ 1088@iipah.spb.su

**Svestka Jiri**  
 Obs/Planetarium  
 Petrin 205  
 CZ 118 46 Praha 1  
 Czech R  
 ☎ 420 2 53 53513  
 ☎ 420 2 258 940

**Svestka Zdenek**  
 SRON  
 Postbus 800  
 Sorbonnelaan 2  
 NL 3584 CA Utrecht  
 Netherlands  
 ☎ 31 30 253 5600  
 ☎ 31 30 254 0860

**Svolopoulos Sotirios**  
 Astrophysics Dpt  
 Ntl Univ Athens  
 Panepistimiopolis  
 GR 157 84 Zografos  
 Greece  
 ☎ 30 1 724 3414  
 ☎ 30 1 723 5122

**Svoren Jan**  
 Astronomical Institute  
 Slovak Acad Sci  
 SK 059 60 Tatranska Lomni  
 Slovak Republic  
 ☎ 421 969 96 7866  
 ☎ 421 969 96 7656

**Swade Daryl Allen**  
 STScI  
 Homewood Campus  
 3700 San Martin Dr  
 Baltimore MD 21218  
 USA  
 ☎ 1 301 338 4480  
 ☎ 1 301 338 4767  
 ✉ swade@stsci.edu

**Swanenburg B N**  
 SRON  
 Postbus 800  
 Sorbonnelaan 2  
 NL 3584 CA Utrecht  
 Netherlands  
 ☎ 31 30 253 5600  
 ☎ 31 30 254 0860

**Swank Jean Hebb**  
 NASA GSFC  
 Code 666  
 Greenbelt MD 20771  
 USA  
 ☎ 1 301 286 9167  
 ☎ 1 301 286 3391

**Swarup Govind**  
 NCRA/TIFR  
 Pune Univ Campus Pb 3  
 Ganeshkhind  
 Pune 411 007  
 India  
 ☎ 91 212 33 6111  
 ☎ 91 212 33 5760

**Sweet Peter A**  
 Astronomy Dpt  
 Univ of Glasgow  
 Glasgow G12 8QQ  
 UK  
 ☎ 44 141 339 8855  
 ☎ 44 141 334 9029

**Sweigart Allen V**  
 NASA GSFC  
 Code 681  
 Greenbelt MD 20771  
 USA  
 ☎ 1 301 286 6274

**Switzer James Stuart**  
 Rose Cir Earth/Space  
 Americ Museum Ntrl History  
 Central Park West at 79th Street  
 New York NY 10024  
 USA  
 ☎ 1 212 769 5808  
 ☎ 1 212 496 3555  
 ✉ switzer@amnh.org

**Swenson George W**  
 Dpt Elect/Computer Eng  
 Univ of Illinois  
 1406 W Green St  
 Urbana IL 61801  
 USA  
 ☎ 1 217 333 4498

**Swensson John W**  
 Physics Dpt  
 Univ of Lund  
 Soelvegatan 14 A  
 S 223 62 Lund  
 Sweden  
 ☎ 46 46 222 7000  
 ☎ 46 46 222 4709

**Swerdlow Noel**  
 Astronomy/Astrophys Chr  
 Univ of Chicago  
 5640 S Ellis Av  
 Chicago IL 60637  
 USA  
 ☎ 1 312 962 7969  
 ☎ 1 312 702 8212

**Swihart Thomas L**  
 448 W Hardy Rd  
 Tucson AZ 85737  
 USA

**Swings Jean-Pierre**  
 Inst Astrophysique  
 Universite Liege  
 Av Coite 5  
 B 4000 Liege  
 Belgium  
 ☎ 32 4 254 7510  
 ☎ 32 4 254 7511  
 ✉ swings@astro.ulg.ac.be

**Syer David**  
 MPA  
 Karl Schwarzschildstr 1  
 D 85748 Garching  
 Germany  
 ☎ 49 893 299 3216  
 ☎ 49 893 299 3235  
 ✉ syer@mpa-garching.mpg.de

**Sydney Jean-Francois**  
 IAP  
 98bis bd Arago  
 F 75014 Paris  
 France  
 ☎ 33 1 44 32 8094  
 ☎ 33 1 44 32 8001  
 ✉ sydney@riap51

**Sykes Mark Vincent**  
 Steward Observ  
 Univ of Arizona  
 Tucson AZ 85721  
 USA  
 ☎ 1 520 621 2054  
 ☎ 1 520 621 1532  
 ✉ msykes@as.arizona.edu

**Sykes-Hart Avril B**

Astrophysics Dpt  
Univ of Oxford  
South Parks Rd  
Oxford OX1 3RQ  
UK

☎ 44 186 527 3999  
☎ 44 186 527 3947

**Sykora Julius**

Astronomical Institute  
Slovak Acad Sci  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 96 7866  
☎ 421 969 96 7656

**Sylvester Roger**

Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK

☎ 44 171 387 7050  
☎ 44 171 380 7145  
✉ rjs@star.ucl.ac.uk

**Sylwester Barbara**

Space Res Ctr  
Acad Sciences  
Ul Kopernika 11  
PL 51 622 Wroclaw  
Poland

☎ 48 71 372 9373/74  
☎ 48 71 372 9378  
✉ bs@cbk.pan.wroc.pl

**Sylwester Janusz**

Space Res Ctr  
Acad Sciences  
Ul Kopernika 11  
PL 51 622 Wroclaw  
Poland

☎ 48 71 372 9373/74  
☎ 48 71 372 9378  
✉ js@cbk.pan.wroc.pl

**Synnott Stephen P**

CALTECH/JPL  
MS 264 686  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA

☎ 1 818 354 6933  
☎ 1 818 393 6030

**Szabados Laszlo**

Konkoly Observ  
Thege U 13/17  
Box 67

H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
☎ 36 1 275 4668

**Szafranec Rozalia**

Ul Kopernika 27  
PL 31 501 Krakow  
Poland

**Szalay Alex**

Dpt Phys/Astronomy  
JHU  
Charles/34th St  
Baltimore MD 21218  
USA

☎ 1 301 516 7217  
☎ 1 301 516 5096  
✉ szalai@pha.jhu.edu

**Szatmary Karoly**

Physics Dpt  
Jate Univ  
Dom ter 9  
H 6720 Szeged  
Hungary

☎ 36 6 231 1622  
☎ 36 3 631 1154  
✉ k.szatmary@physx.u-szeged.hu

**Szczerba Ryszard**

NCAC  
Polish Acad Sciences  
Ul Rabińska 8  
PL 87 100 Torun  
Poland

☎ 48 56 19 249  
☎ 48 56 19 381  
✉ szczerba@ncac.torun.pl

**Szecsényi-Nagy Gabor**

Astronomy Dpt  
Eotvos Univ  
Ludovika ter 2  
H 1083 Budapest  
Hungary

☎ 36 1 114 1019  
☎ 36 1 210 1089  
✉ szena@judens.elte.hu

**Szego Karoly**

Central Res Inst  
for Physics  
Box 49  
H 1525 Budapest  
Hungary

☎ 36 1 551 682  
☎ 36 1 696 567

**Szeidl Bela**

Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary

☎ 36 1 375 4122  
☎ 36 1 275 4668

**Szkody Paula**

Astronomy Dpt  
Univ of Washington  
Box 351580  
Seattle WA 98195 1580  
USA

☎ 1 425 543 1988  
☎ 1 425 685 0403  
✉ szkody@astro.washington.edu

**Szostak Roland**

Inst Didaktik Physik  
Westfälische Wilhelms Uni  
Wilhelm Klemm Str 10  
D 48149 Muenster  
Germany

☎ 49 251 839 386/7  
☎ 49 251 832 090

**Szymanski Michal**

Astronomical Observ  
Warsaw Univ  
Al Ujazdowskie 4  
PL 00 478 Warsaw  
Poland

☎ 48 22 29 4011  
☎ 48 22 629 4967  
✉ msz@sirius.astro.uw.edu.pl



## T

**Taam Ronald Everett**  
Dearborn Observ  
NW Univ  
2131 Sheridan Rd  
Evanston IL 60208 3112  
USA  
☎ 1 847 491 7528  
① 1 847 491 3135

**Tabara Hiroto**  
Fac of Education  
Utsunomiya Univ  
Minemachi  
Utsunomiya 321  
Japan  
☎ 81 286 36 1515

**Taboada Ramon Rodriguez**  
Inst Geophys/Astron  
C 212 N 2906/29 Y 31  
Lisa  
La Habana  
Cuba  
☎ 53 21 8435

**Taborda Jose Rosa**  
Fac of Sciences  
Astronomical Observ  
R Esc Politecnica 58  
P 1200 Lisboa  
Portugal

**Tacconi Linda J**  
MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 3873  
① 49 893 299 3569  
✉ linda@hethp.mpe-  
garching.mpg.de

**Tacconi-Garman Lowell E**  
MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 3288  
① 49 893 299 3569  
✉ lowell@mpa-garching.mpg.de

**Tademaru Eugene**  
Astronomy Dpt  
Univ Massachusetts  
Amherst MA 01002  
USA  
☎ 1 413 545 4301

**Taff Laurence G**  
5208 Springlake Way  
Baltimore MD 21212 3240  
USA  
☎ 1 301 338 4799  
① 1 301 338 4796

**Taffara Salvatore**  
Via Calza 5bis  
I 35128 Padova  
Italy  
☎ 39 49 807 1624

**Tagger Michel**  
Service Astrophysique  
CEA Saclay  
Orme d Merisiers Bt 709  
F 91190 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 5607  
① 33 1 69 08 9266  
✉ tagger@cea.fr

**Tagliaferri Gianpiero**  
Osserv Astronomico  
d Milano  
Via E Bianchi 46  
I 22055 Merate  
Italy  
☎ 39 990 6412  
① 39 990 8492  
✉ gtagliaf@merate.mi.astro.it

**Tagliaferri Giuseppe**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
① 39 55 22 0039

**Tago Erik**  
Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia  
☎ 372 7 410 434  
① 372 7 410 205  
✉ erik@jupiter.aai.ee

**Takaba Hiroshi**  
Fac of Eng  
Gifu Univ  
1 1 Yanagito  
Gifu 501 1193  
Japan  
☎ 81 582 93 3054  
① 81 81 293 3057  
✉ takaba@cc.gifu-u.ac.jp

**Takada-Hidai Masahide**  
Res Inst of Civilization  
Tokai Univ  
1117 Kitakaname Hiratsuka  
Kanagawa 259 12  
Japan  
☎ 81 463 58 1211\*4813  
① 81 463 29 4047  
✉ hidai@keyaki.cc.u-tokai.ac.jp

**Takagi Kojiro**  
Physics Dpt  
Toyama Univ  
3190 Gofuku  
Toyama 930  
Japan  
☎ 81 764 23 4716  
① 81 764 45 6549

**Takagi Shigetsugu**  
Dpt Fisica/CCE/UFRN  
Univ Federal  
Do Rio Grande d Norte  
59072 970 Natal RN  
Brazil  
☎ 55 84 231 9586  
① 55 84 231 9749

**Takahara Fumio**  
Fac of Sciences  
Osaka Univ  
Machikaneyama  
Toyonaka Osaka 560 0043  
Japan  
☎ 81 426 77 1111\*3348  
① 81 426 77 2483  
✉ takahara@vega.ess.sci.osaka-  
u.ac.jp

**Takahara Mariko**  
Doshisha Col Liberal Arts  
Imadegawa-dori nishiiru  
Teramachi-kamigyo-ku  
Kyoto 602  
Japan  
☎ 81 75 251 4211  
① 81 75 251 4289  
✉ e50334@sakura.kudpc.kyoto-  
u.ac.jp

**Takahashi Koji**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911  
① 81 427 59 4253  
✉ takahasi@astro.isas.ac.jp

**Takahashi Masaaki**  
Dpt Phys/Astronomy  
Aichi Univ of Edu  
Kariya  
Aichi 448  
Japan  
☎ 81 566 36 3111\*538  
① 81 566 36 4337  
✉ takahasi@aeu.phyas.aichi-  
edu.ac.jp

**Takahashi Tadayuki**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911  
① 81 427 59 4253  
✉ takahasi@astro.isas.ac.jp

**Takakubo Keiyo**  
Mukai Yama 1 3 20  
Taihaku  
Sendai 982  
Japan

**Takakura Tatsuo Emer**  
Astronomy Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 381 22 1111  
① 81 338 13 9439

**Takalo Leo O**  
Turku Univ  
Tuorla Observ  
Vaesaelaentie 20  
FIN 21500 Piikkio  
Finland  
☎ 358 2 274 4258  
① 358 2 243 3767  
✉ takalo@kontu.utu.fi

**Takami Hideki**  
Nt Astronomical Obs  
2 21 1 Osawa  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3865  
① 81 422 34 3864  
✉ takami@optik.mtk.nao.ac.jp

**Takano Toshiaki**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 63 4487  
① 81 267 63 4444  
✉ takano@nro.nao.ac.jp

**Takarada Katsuo**  
Kyoto Inst Techn  
Matsugasaki  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 91 3211  
① 81 75 753 7010

**Takase Bunshiro**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
📠 81 422 34 3793

**Takato Naruhisa**  
Ntl Astronomical Obs  
Osawa 2-21-1  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 343 909  
📠 81 422 34 3864  
✉ takato@optik.mtk.nao.ac.jp

**Takayanagi Kazuo**  
Oji Honcho 1 3 10  
Kita Ku  
Tokyo 114  
Japan  
☎ 81 339 09 8591  
📠 81 339 09 8594  
✉ takakazu@se.shibaura-it.ac.jp

**Takeda Hidenori**  
Dpt Aeronautic Engineer  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 53 7008  
📠 81 75 753 7010

**Takeda Yoichi**  
Inst of Astronomy  
Univ of Tokyo  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 41 3739  
📠 81 422 41 3749

**Takenouchi Tadao**  
1 28 30 Kichijyoji Kita Machi  
Musashino Shi  
Tokyo 180  
Japan

**Takens Roelf Jan**  
Astronomical Institute  
Univ of Amsterdam  
Kruislaan 403  
NL 1098 SJ Amsterdam  
Netherlands  
☎ 31 20 525 7491  
📠 31 20 525 7484  
✉ roelf@astro.uva.nl

**Takeuti Mine**  
Astron Institute  
Tohoku Univ  
Aoba ku  
Sendai 980 77  
Japan  
☎ 81 222 217 6512  
📠 81 222 17 6513  
✉ takeuti@astroa.astr.tohoku.ac.jp

**Talavera A**  
ESA  
Apt 50727 Villafranca  
E 28080 Madrid  
Spain  
☎ 34 1 813 1100  
📠 34 1 813 1139

**Talbot Raymond J**  
The Aerospace Corporation  
1927 Curtis Av  
Redondo Beach CA 90278  
USA  
☎ 1 213 379 9927

**Talon Raoul**  
CESR  
BP 4346  
F 31029 Toulouse Cdx  
France  
☎ 33 5 61 55 6666  
📠 33 5 61 55 6701

**Talwar Satya P**  
Dpt Phys/Astrophys  
Univ of Delhi  
New Delhi 110 007  
India  
☎ 91 11 291 8993

**Tamenaga Tatsuo**  
Fac of Education  
Mie Univ  
Tsu-shi  
Mie 514  
Japan

**Tammann Gustav Andreas**  
Astronomisches Institut  
Univ Basel  
Venusstr 7  
CH 4102 Binningen  
Switzerland  
☎ 41 61 271 7711/12  
📠 41 61 271 7810  
✉ tammann@ubaclu.unibas.ch

**Tamura Motohide**  
Ntl Astronomical Obs  
2 21 1 Osawa  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3705  
📠 81 422 34 3608  
✉ otamura@c1.mtk.nao.ac.jp

**Tamura Shin'ichi**  
Astronomy Dpt  
Tohoku Univ  
Aramaki  
Sendai 980  
Japan  
☎ 81 222 22 1800  
✉ tamura@astroa.astr.tohoku.ac.jp

**Tan Detong**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
📠 86 21 6438 4618

**Tan Huisong**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
📠 86 871 717 1845

**Tanabe Hiroyoshi**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
📠 81 422 34 3793

**Tanabe Kenji**  
Okayama Univ of Science  
1-1 Ridai-cho  
Okayama 700  
Japan  
☎ 81 862 52 3161  
📠 81 862 55 3847

**Tanabe Toshihiko**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
📠 81 422 34 3793

**Tanaka Masuo**  
Inst of Astronomy  
Univ of Tokyo  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 41 3743  
📠 81 422 41 3749

**Tanaka Riichiro**  
Fac of Education  
Niigata Univ  
8050 Ikarashi 2  
Niigata 950 21  
Japan  
☎ 81 252 62 7269

**Tanaka Wataru**  
Opt/IR Astro Div  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3603  
📠 81 422 34 3608  
✉ otanak2@c1.mtk.nao.ac.jp

**Tanaka Yasuo**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911  
📠 81 427 59 4253  
✉ tanaka@

**Tanaka Yasuo**  
Physics Dpt  
Ibaraki Univ  
Bunkyo  
Mito 310  
Japan  
☎ 81 292 26 1621\*372

**Tanaka Yutaka D**  
Kobe Yamate Women's  
Junior College  
Suwayama Chuo-ku  
Kobe 650  
Japan  
☎ 81 783 41 6060

**Tancredi Gonzalo**  
Dpt Astronomia  
Fac Humani/Ciencia  
Tristan Naraja 1674  
Montevideo 11200  
Uruguay  
☎ 598 2 418 004  
📠 598 2 421 957  
✉ gonzalo@fisica.edu.uy

**Tandberg-Hanssen Einar A**  
NASA/MSFC  
Space Science Lab  
Code ES 01  
Huntsville AL 35812  
USA  
☎ 1 205 544 7578  
📠 1 205 544 7754  
✉ tandberg@msfc.nasa.gov

**Tandon Jagdish Narain**  
Dpt Phys/Astrophys  
Univ of Delhi  
New Delhi 110 007  
India  
☎ 91 11 252 1521

**Tandon S N**  
IUCAA  
PO Box 4  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 351 414/5  
📠 91 212 350 760  
✉ sntandon@iucaa.ernet.in

**Tang Yuhua**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 37651  
📠 86 25 330 2728

**Tango William J**  
School of Physics  
UNSW  
Sydney NSW 2006  
Australia  
☎ 61 2 692 3953  
📠 61 2 660 2903  
✉ tango@physics.su.oz.au

**Taniguchi Yoshiaki**  
Astron Institute  
Tohoku Univ  
Aramaki Aoba  
Sendai 980  
Japan  
☎ 81 222 22 1800 \*3319  
📠 81 222 61 2806  
✉ tani@astroa.astr.tohoku.ac.jp

**Tanikawa Kiyotaka**  
Ntl Astronomical Obs  
2 21 1 Osawa  
Mitaka  
Tokyo 181  
Japan

☎ 81 442 34 3634  
☎ 81 442 34 3746  
✉ tanikawa@ferio.mtk.nao.ac.jp

**Tanzella-Nitti Giuseppe**  
Roman Athenaeum of The  
Holy Cross  
S Girolamo d Carita 64  
I 00186 Roma  
Italy

**Tanzi Enrico G**  
IFCTR CNR  
Univ d Milano  
Via E Bassini 15  
I 20133 Milano  
Italy  
☎ 39 2 236 3542  
☎ 39 2 266 5753

**Tapde Suresh Chandra**  
NCRA/TIFR  
Pune Univ Campus Pb 3  
Ganeshkhind  
Pune 411 007  
India  
☎ 91 212 351 414/5  
☎ 91 212 350 760  
✉ sct@gmrt.ernet.in

**Tapia Mauricio**  
Observ Astronomico Nacional  
UNAM  
Apt 877  
Ensenada BC 22800  
Mexico  
☎ 52 6 174 4580  
☎ 52 6 174 4607

**Tapia-Perez Santiago**  
Phillips Lab  
LIMA  
Kirtland Afb NM 87117  
USA  
☎ 1 505 846 5045  
✉ tapia@plk.af.mil

**Tapley Byron D**  
Aerospace Eng Dpt  
Univ of Texas  
WRW 402  
Austin TX 78712  
USA  
☎ 1 512 471 1356

**Tapping Kenneth F**  
NRCC/HIA  
100 Sussex Dr  
Ottawa ON K1A 0R6  
Canada  
☎ 1 613 991 5842  
☎ 1 613 952 6602

**Tarady Vladimir K**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 62286  
☎ 380 4426 62147  
✉ tarady@mao.apc.org

**Tarengi Massimo**  
ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6236  
☎ 49 893 202 362

**Tarnstrom Guy**  
MIT Lincoln Laboratory  
MS S4 241  
Box 73  
Lexington MA 02173  
USA  
☎ 1 617 863 5500

**Tarrab Irene**  
221 r La Fayette  
F 75010 Paris  
France

**Tarter C Bruce**  
LLNL  
L 295  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 415 422 4169  
☎ 1 415 423 0238

**Tarter Jill C**  
SETI Institute  
Project Phoenix Office  
2035 Landings Dr  
Mountain View CA 94043  
USA  
☎ 1 415 960 4555  
☎ 1 415 968 5830  
✉ tarter@vger.seti-inst.edu

**Tashiro Makoto**  
Physics Dpt  
Univ of Tokyo  
7-3-1 Hongo Bunkyo-ku  
Tokyo 113  
Japan  
☎ 81 338 12 2111\*4171  
☎ 81 338 12 6938  
✉ tashiro@phys.s.u-tokyo.ac.jp

**Tassoul Jean-Louis**  
6000 Ch Deacon App J2  
Montreal QC H3S 2T9  
Canada  
✉ tassoulj@magellan.  
umontreal.ca

**Tassoul Monique**  
6000 Ch deacon App J2  
Montreal QC H3S 2T9  
Canada  
✉ tassoul@magellan.  
umontreal.ca

**Tatematsu Ken-ichi**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 98 4376  
☎ 81 267 98 4339  
✉ tatmatsu@nro.nao.ac.jp

**Tatevyan S K**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
☎ 7 095 230 2081

**Tateyama Claudio Elich**  
CRAAE INPE  
EPUSP/PTR  
CP 61548  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 815 5936  
☎ 55 11 815 6289

**Taton Rene**  
Centre Alexandre Koyre  
57 r Cuvier  
Pavillon Cheveil  
F 75231 Paris Cdx 05  
France

**Tatum Jeremy B**  
Climenhoga Observ  
Univ of Victoria  
Box 1700  
Victoria BC V8W 2Y2  
Canada  
☎ 1 250 721 7750  
☎ 1 250 721 7715

**Tauber Jan**  
ESA/ESTEC  
Astrophysics Division  
Box 299  
NL 2201 AZ Noordwijk  
Netherlands  
☎ 31 71 565 5342  
☎ 31 71 565 4690  
✉ jtauber@esta2.estec.esa.nl

**Tautvaisiene Grazina**  
Inst Theor Physics/  
Astronomy  
Gostauto 12  
Vilnius 2600  
Lithuania  
☎ 370 2 621 117  
☎ 370 2 224 694  
✉ taut@itpa.fi.lt

**Tavakol Reza**  
School Mathemat Sc  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 980 4811  
☎ 44 181 975 5500

**Tavares J T I**  
Av dias Da Silva  
173 R/c Esq  
P 3000 Coimbra  
Portugal

**Tawadros Maher Jacoub**  
NAIGR  
Helwan Observ  
Cairo 11421  
Egypt  
☎ 20 78 0645/2683  
☎ 20 62 21 405 297

**Tawara Yuzuru**  
Astrophysics Dpt  
Nagoya Univ  
Furocho Chikusa Ku  
Nagoya 464 01  
Japan  
☎ 81 527 81 5111  
☎ 81 527 81 3541

**Taylor A R**  
Physics Dpt  
Univ of Calgary  
2500 University Dr NW  
Calgary AB T2N 1N4  
Canada  
☎ 1 403 220 5385  
☎ 1 403 289 3331

**Taylor Andrew**  
Dpt Physics/  
Math Physics  
Univ Adelaide  
Adelaide SA 5005  
Australia  
☎ 61 8 303 5313  
☎ 61 8 303 4380  
✉ ataylor@physics.  
adelaide.edu.au

**Taylor Donald Boggia**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 739  
☎ 44 12 23 374 700  
✉ dbt@uk.ac.ro-  
greenwich.starlin

**Taylor Donald J**  
Dpt Phys/Astronomy  
Univ Nebraska  
Behlen Observatory  
Lincoln NE 68588 0111  
USA  
☎ 1 402 472 3686  
☎ 1 402 472 2879

**Taylor Gregory Benjamin**  
CALTECH  
Palomar Obs  
MS 105 24  
Pasadena CA 91125  
USA  
☎ 1 818 395 4024  
☎ 1 818 568 9352  
✉ gbt@astro.caltech.edu

**Taylor Joseph H**  
Physics Dpt  
Princeton Univ  
Jadwin Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 452 4368  
☎ 1 609 258 6853

**Taylor Keith**  
AAO  
Box 296  
Epping NSW 2121  
Australia  
☎ 61 2 868 0222  
☎ 61 2 868 0310

**Taylor Kenneth N R**  
105a Copeland Rd  
Beecroft NSW 2119  
Australia

**Tchang-Brillet Lydia**  
Observ Paris Meudon  
DAMAP

PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7576  
① 33 1 45 07 7469  
✉ brillet@fobspm.fr

**Tchouikova Nadejda A**  
SAI

Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 5024  
① 7 095 939 0126  
✉ chujkova@sai.msu.ru

**te Lintel Hekkert Peter**

Parkes Observ  
Box 276  
Parkes NSW 2870  
Australia  
☎ 61 68 611 726  
① 61 68 611 730  
✉ plintel@atnf.csiro.au

**Teays Terry J**

NASA GSFC  
Code 684 9  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5749  
① 1 301 286 7642

**Tedesco Edward F**

TerraSystems Inc  
Space Sci Res Div  
59 Wednesday Hill Rd  
Lee NH 03824 6537  
USA  
✉ etedesco@terrasys.com

**Teerikorpi Veli Pekka**

Turku Univ  
Tuorla Observ  
Vaaisaelentie 20  
FIN 21500 Piikkio  
Finland  
☎ 358 2 143 5822  
① 358 2 143 3767

**Teherany D**

83 Av Rey  
Tehran  
Iran

**Teixeira Ramachrisna**

IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
① 55 11 576 3848  
✉ teixeira@iag.usp.ansp.br

**Tejfel Viktor G**

Astrophys Inst  
Kazakh Acad Sci  
480068 Alma Ata  
Kazakhstan  
☎ 7 68 3053  
✉ tejf@afi.academ.alma-ata.uz

**Tektunali H Gokmen**

Univ Observ  
Univ of Istanbul  
University 34452  
34452 Istanbul  
Turkey  
☎ 90 212 522 3597  
① 90 212 519 0834

**Telesco Charles M**

Astronomy Dpt  
Univ of Florida  
211 SSRB  
Gainesville FL 32611  
USA  
☎ 1 904 392 2052  
① 1 904 392 5089

**Telles Eduardo**

Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 580 781  
① 55 21 580 0332  
✉ etelles@on.br

**Telnjuk-Adamchuk V**

Astronomical Observ  
Kyiv State Univ  
Observatorna Str 3  
254053 Kyiv  
Ukraine  
☎ 380 4421 62691  
① 380 4422 46387  
✉ aoku@gluk.apc.org

**Tempesti Piero**

Istt Astronomico  
Univ d Roma La Sapienza  
Via G M Lancisi 29  
I 00161 Roma  
Italy  
☎ 39 6 44 03734  
① 39 6 44 03673

**Tenorio-Tagle Guillermo**

IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
① 34 2 232 9117  
✉ gtt@ast.cam.ac.uk

**Teplitzkaya R B**

Sibizmir  
Acad Sciences  
664697 Irkutsk 33  
Russia  
☎ 7 395 262 9388

**Ter Haar Dirk**

Box 10  
349 Middle St  
Petworth GU28 0RY  
UK

**Terashita Yoichi**

Kanazawa Techn Inst  
7 1 Ogigaoka  
Nonoichimachi  
Ishikawa 921  
Japan  
☎ 81 762 48 1100

**Terebizh Valery Yu**

Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
① 380 6554 40704

**Terekhov Oleg V**

Astro Space Ctr  
Lebedev Physical Inst  
Profsoyuznaya 84/32  
Moscow 117810  
Russia  
☎ 7 095 333 5300  
① 7 095 333 5377  
✉ terekhov@hea.iki.rssi.ru

**Terentjeva Alexandra K**

Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
① 7 095 230 2081  
✉ ater@airas.msk.su

**Terlevich Elena**

Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
① 44 12 23 337 523  
✉ et@ast.cam.ac.uk

**Terlevich Roberto Juan**

Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
① 44 12 23 374 700

**Ternullo Maurizio**

Osserv Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 21111  
① 39 95 33 0592

**Terranegra Luciano**

Osserv d Capodimonte  
Via MoiarIELlo 16  
I 80131 Naples  
Italy  
☎ 39 81 557 5111  
① 39 81 45 6710  
✉ terranegra@astrna.na.astro.it

**Terrell Nelson James**

LANL  
MS D 436 NIS 2  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 2044  
① 1 505 665 4414  
✉ jterrell@lanl.gov

**Terrile Richard John**

CALTECH/JPL  
MS 183 501  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 213 351 1321  
① 1 818 393 6030

**Terzan Agop**

Observ Lyon  
Av Ch Andre  
F 69561 S Genis Laval Cdx  
France  
☎ 33 4 78 56 0705  
① 33 4 72 39 9791

**Terzian Yervant**

Astronomy Dpt  
Cornell Univ  
512 Space Sc Bldg  
Ithaca NY 14853 6801  
USA  
☎ 1 607 255 4935  
① 1 607 255 9817  
✉ terzian@astro.sun.tn.cornell.edu

**Terzides Charalambos**

Astronomy Lab  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 1357

**Teske Richard G**

Astronomy Dpt  
Univ of Michigan  
Dennison Bldg  
Ann Arbor MI 48109 1090  
USA  
☎ 1 313 764 3398  
① 1 313 764 2211

**Teuben Peter J**

Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 1540  
① 1 301 314 9067  
✉ teuben@astro.umd.edu

**Thaddeus Patrick**

CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7340  
① 1 617 495 7356

**Thakur Ratna Kumar**

Physics Dpt  
Univ of Ravishankar  
Raipur 492 010  
India  
☎ 91 27 064

**The Pik-Sin**

Astronomical Institute  
Univ of Amsterdam  
Kruislaan 403  
NL 1098 SJ Amsterdam  
Netherlands  
☎ 31 20 525 7491  
☎ 31 20 525 7484  
✉ psthe@astro.uva.nl

**Theis Christian**

Inst Theor Phys/  
Sternwarte Univ Kiel  
Olshausenstr 40  
D 24098 Kiel  
Germany  
☎ 49 431 880 4110  
☎ 49 431 880 4100  
✉ theis@astrophysik.uni-kiel.de

**Thejll Peter Andreas**

Danish Meteorol Inst  
Solar/Terrestrial Physics Div  
Lyngbyvej 100  
DK 2100 Copenhagen  
Denmark  
☎ 45 39 15 7477  
☎ 45 39 15 7460  
✉ thejll@dmi.dk

**Theodosiou Efstratios**

Astrophysics Dpt  
Nl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414  
☎ 30 1 723 5122

**Thevenin Frederic**

OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 92 00 3011  
☎ 33 4 92 00 3033  
✉ thevenin@froni51

**Thielemann Friedrich-Karl**

Physics Dpt  
Univ Basel  
Klingelbergstr 82  
CH 4056 Basel  
Switzerland  
☎ 41 61 267 3748  
☎ 41 61 267 3784  
✉ fkt@quasar.physik.unibas.ch

**Thielheim Klaus O**

Abt Mathemati/physik  
Univ Kiel  
Postfach 5151  
D 24063 Kiel  
Germany  
☎ 49 431 880 3216  
✉ thielheim@email.uni-kiel.de

**Thiry Yves R**

Universite Paris VI  
4 Pl Jussieu Tour 66  
F 75230 Paris Cdx 05  
France  
☎ 33 1 43 36 2525

**Thoburn Christine**

Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
☎ 44 12 23 374 700

**Tholen David J**

Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 6930  
☎ 1 808 988 2790  
✉ tholen@ifa.hawaii.edu

**Thomas Claudine**

BIPM  
Pavillon de Breteuil  
F 92312 Sevre Cdx  
France  
☎ 33 1 45 07 7073  
☎ 33 1 45 34 2021  
✉ cthomas@bipm.fr

**Thomas David V**

6 Livonia Rd  
Sidmouth  
Devon EX10 9JB  
UK  
☎ 44 13 95 515 156  
✉ thomas@mail.ph.ed.ac.uk

**Thomas Hans -Christoph**

MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 00  
☎ 49 893 299 3235

**Thomas John H**

Dpt Phys/Astronomy  
Univ of Rochester  
Rochester NY 14627 0171  
USA  
☎ 1 716 275 4083  
☎ 1 716 273 1049  
✉ thomas@astro.me.rochester.edu

**Thomas Peter A**

Astronomy Centre  
Univ of Sussex  
Falmer  
Brighton BN1 9QH  
UK  
☎ 44 12 73 60 6755\*3099  
☎ 44 12 73 67 8097  
✉ petert@syma.sussex.ac.uk

**Thomas Roger J**

NASA GSFC  
Code 682  
Greenbelt MD 20771  
USA  
☎ 1 301 286 7921  
☎ 1 301 286 1617  
✉ thomas@jet.gsfc.nasa.gov

**Thomasson Magnus**

Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5534  
☎ 46 31 772 5590  
✉ magnus@oso.chalmers.se

**Thomasson Peter**

NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
☎ 44 147 757 1618

**Thompson A Richard**

NRAO  
2015 Ivy Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 296 0211  
☎ 1 804 296 0278

**Thomsen Bjarne B Lect**

Inst Phys/Astronomy  
Univ of Aarhus  
Ny Munkegade  
DK 8000 Aarhus C  
Denmark  
☎ 45 86 12 8899  
☎ 45 86 20 2711

**Thomson Robert**

9 Bellevue Pl  
Edinburgh EH7 4BS  
UK  
☎ 44 131 556 0998  
✉ rct@mail.ast.cam.ac.uk

**Thonnard Norbert**

Atom Sciences  
114 Ridgeway Ctr  
Oak Ridge TN 37830  
USA  
☎ 1 615 483 1113

**Thorne Kip S**

CALTECH  
MS 130 33  
Pasadena CA 91125  
USA  
☎ 1 818 395 4598  
☎ 1 818 796 5675  
✉ kip@tapir.caltech.edu

**Thorsett Stephen Erik**

Physics Dpt  
Princeton Univ  
Jadwin Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 258 1245  
☎ 1 609 258 6853  
✉ steve@pulsar.princeton.edu

**Thorstensen John R**

Dpt Phys/Astronomy  
Dartmouth College  
6127 Wilder Lab  
Hanover NH 03755  
USA  
☎ 1 603 646 2869  
☎ 1 603 646 1446

**Thronson Harley Andrew**

Dpt Phys/Astronomy  
Univ of Wyoming  
Box 3905  
Laramie WY 82071  
USA  
☎ 1 307 766 6150  
☎ 1 307 766 2652  
✉ hthronso@hq.nasa.gov

**Thuan Trinh Xuan**

Astronomy Dpt  
Univ of Virginia  
Box 3818  
Charlottesville VA 22903 0818  
USA  
☎ 1 804 924 4894  
☎ 1 804 924 3104  
✉ txt@starburst.astro.virginia.edu

**Thuillot William**

BDL  
77 Av Denfert Rochereau  
F 75014 Paris  
France  
☎ 33 1 40 51 2262  
☎ 33 1 46 33 2834  
✉ thuillot@bdl.fr

**Thum Clemens**

IRAM  
Avd Divina Pastora 7  
Bloque 6/2b  
E 18012 Granada  
Spain  
☎ 34 5 827 9508  
☎ 34 5 820 7662

**Tian Jing**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6254 5179  
☎ 86 1 256 10855

**Tiersch Heinz**

Zentrinst Astrophysik  
Sternwarte Babelsberg  
Rosa Luxemburg Str 17a  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9206  
☎ 49 331 749 9309  
✉ htiersch@aip.de

**Tiftt William G**

Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 6532  
☎ 1 520 621 1532

**Tifrea Emilia**

Astronomical Institute  
Romanian Acad Sciences  
Cutit de Argint 5  
RO 75212 Bucharest  
Romania  
☎ 40 1 641 3686  
☎ 40 1 312 3391

**Timothy J Gethyn**  
Ctr for Space Sci/  
Astrophysics  
Stanford Univ ERL 314  
Stanford CA 94305 4055  
USA

☎ 1 415 497 0059  
① 1 415 725 2333

**Tinbergen Jaap**

ASTROM  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 52 159 5100  
① 31 52 159 7332  
✉ tinbergen@astro.rug.nl

**Ting Yeou-Tswen**

Astronomy Section  
Central Weather Bureau  
64 Kung Yuen Rd  
Taipei 100  
China R  
☎ 886 2 371 3181\*281

**Tinney Christopher**

AAO  
Box 296  
Epping NSW 2121  
Australia  
☎ 61 2 372 4849  
① 61 2 372 4880  
✉ cgt@aaoepp.aao.gov.au

**Tipler Frank Jennings**

Physics Dpt  
Tulane Univ  
New Orleans LA 70118  
USA  
✉ frank.tipler@tulane.edu

**Title Alan Morton**

Advance Techn Ctr  
Org H1 A2 Bg 252  
3251 Hanover St  
Palo Alto CA 94304  
USA  
☎ 1 415 424 4034  
① 1 415 424 3994  
✉ title@space.lockheed.com

**Tiuri Martti**

Helsinki Univ Technology  
Radio Laboratory  
Otakaari 5 A  
FIN 02150 Espoo 15  
Finland  
☎ 358 9 451 2545  
① 358 9 451 2378

**Tjin-a-Djie Herman R E**

Koekoelaan 106  
NL 1403 EJ Bussum  
Netherlands  
☎ 31 21 591 7076

**Tlamicha Antonin**

Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7324  
① 420 2 88 1611  
✉ tlamicha@asu.cas.cz

**Tobin William**

Dpt Phys/Astronomy  
Univ of Canterbury  
Private Bag 4800  
Christchurch 1  
New Zealand  
☎ 64 3 364 2531  
① 64 3 364 2469  
✉ w.tobin@csc.canterbury.ac.nz

**Todoran Ioan**

Astronomical Observ  
Romanian Acad Sciences  
UI Ciresilor 19  
RO 3400 Cluj Napoca  
Romania  
☎ 40 64 194 592  
① 40 64 19 2820

**Tofani Gianni**

Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52217  
① 39 55 22 0039

**Tohline Joel Edward**

Dpt Phys/Astronomy  
Louisiana State Univ  
Baton Rouge LA 70803 4001  
USA  
☎ 1 504 388 6851  
① 1 504 388 5855

**Tokarev Yuriy V**

Radiophysical Res  
Inst  
Lyadov Ul 25/14  
603600 N Novgorod  
Russia  
☎ 7 831 236 0188  
① 7 831 236 9902

**Tokovinin Andrej A**

SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 3318  
① 7 095 939 1661  
✉ toko@sai.msu.ru

**Tokunaga Alan Takashi**

Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 6691  
① 1 808 988 2790  
✉ tokunaga@galileo.ifa.hawaii.edu

**Tolbert Charles R**

University Station  
Univ of Virginia  
Box 3818  
Charlottesville VA 22903 0818  
USA  
☎ 1 804 924 7494  
✉ crt@virginia.edu

**Toller Gary N**

9364 Dewlit Way  
Columbia MD 21045 5118  
USA  
✉ toller@stars.gsfc.nasa.gov

**Tomasì Paolo**

Istt Radioastronomia  
CNR  
Via P Gobetti101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9385  
① 39 51 639 9385

**Tomasko Martin G**

Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 6969  
① 1 520 621 4933

**Tomczak Michal**

Astronomical Institute  
Univ of Wroclaw  
Ul Kopernika 11  
PL 51 622 Wroclaw  
Poland  
☎ 48 71 372 9373/74  
① 48 71 372 9378  
✉ tomczak@astro.uni.wroc.pl

**Tomimatsu Akira**

Physics Dpt  
Nagoya Univ  
Furocho Chikusa Ku  
Nagoya 464 01  
Japan  
☎ 81 527 89 2840  
① 81 527 89 2845

**Tomisaka Kohji**

Fac of Education  
Niigata Univ  
8050 Ikarashi 2  
Niigata 950 21  
Japan  
☎ 81 252 62 7269  
① 81 252 64 2026  
✉ tomisaka@ed.niigata-u.ac.jp

**Tomita Kenji**

Yukawa Inst Theor Physics  
Kyoto Univ  
Kitashirakawa  
Kyoto 606 01  
Japan  
☎ 81 75 753 7017  
① 81 75 753 7017  
✉ tomita@yukawa.kyoto-u.ac.jp

**Tomita Koichiro**

4-11-20 Yoga  
Setagayaku  
Tokyo 158  
Japan  
☎ 81 370 00 066

**Tomov Nikolai**

Ntl Astronomical Obs  
Bulgarian Acad Sci  
Box 136  
BG 4700 Smoljan  
Bulgaria  
☎ 359 3 02 1357\*283  
① 359 3 02 1356

**Tomov Toma V**

Ntl Astronomical Obs  
Bulgarian Acad Sci  
Box 136  
BG 4700 Smoljan  
Bulgaria  
☎ 359 7 341 599

**Toner Clifford George**

NOAO/NSO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 323 4111  
① 1 520 325 9278  
✉ toner@noao.edu

**Tong Fu**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 33921  
① 86 25 301 459

**Tong Yi**

Astronomy Dpt  
Beijing Normal Univ  
Beijing 100875  
China PR  
☎ 86 1 65 6531\*6285  
① 86 1 201 3929

**Tonry John**

Mathematics Dpt  
MIT Rm 6 204a  
Box 165  
Cambridge MA 02139  
USA  
☎ 1 617 253 7528  
✉ jt@atares.mit.edu

**Tonwar Suresh C**

TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 495 2311  
① 91 22 495 2110

**Toomre Alar**

Mathematics Dpt  
MIT Rm 2 372  
Box 165  
Cambridge MA 02139  
USA  
☎ 1 617 253 4326

**Toomre Juri**

JILA/DAG  
Univ of Colorado  
Campus Box 400  
Boulder CO 80309 0440  
USA  
☎ 1 303 492 7854  
① 1 303 492 5235

**Topaktas Latif A**

KACST  
Box 2455  
Riyadh 11453  
Saudi Arabia  
☎ 966 1 467 6324  
① 966 1 467 4253

**Torao Masahisa**  
Senpuku Ga Oka 2-11-9  
Susono City 410 11  
Japan

**Torelli M**  
OAR  
Via d Parco Mellini 84  
I 00136 Roma  
Italy  
☎ 39 6 34 7056  
① 39 6 349 8236

**Tornambe Amedeo**  
IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
① 39 6 2066 0188

**Toro Tibor**  
Inst of Theoretical  
Physics  
Univ Timisoara  
RO 1900 Timisoara  
Rumania  
☎ 40 56 130 823

**Toroshlidze Teimuraz I**  
Abastumani Astrophysical  
Observ  
Georgian Acad Sci  
383762 Abastumani  
Georgia  
☎ 995 88 32 95 5367  
① 995 88 32 98 5017

**Torra Jordi**  
Dpt Fisica Atmosfera  
Univ Barcelona  
Avd Diagonal 647  
E 08028 Barcelona  
Spain  
☎ 34 3 330 7311  
① 34 3 402 1133

**Torrejón Jose Miguel**  
Dto Fisica e Ing de  
Esc Politecnica Superior  
Apt 99 Univ Alicante  
E 03080 Alicante  
Spain  
☎ 34 6 590 3682  
✉ jmt@castor.daa.uv.es

**Torrelles Jose M**  
Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda I  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
① 34 5 881 4530  
✉ torrelles@iaa.es

**Torres Carlos**  
Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101  
① 56 2 229 4002

**Torres Carlos Alberto**  
Observ Nacional  
Rua Coronel Renno 07  
CP 21  
37500 Itajuba Mg  
Brazil  
☎ 55 356 22 0788

**Torres Guillermo**  
Cfa  
HCO/SAO MS 20  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7335  
① 1 617 495 7467  
✉ gtorres@cfa.harvard.edu

**Torres Dodgen Ana V**  
15735 Forest Hill Dr  
Boulder Creek CA 95006  
USA  
☎ 1 408 338 0158

**Torres-Peimbert Silvia**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
① 52 5 616 0653  
✉ silvia@astroscu.unam.mx

**Torricelli Guidetta**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52260  
① 39 55 22 0039

**Torroja J**  
Dpt Astrofisica  
Fac Fisica  
Univ Complutense  
E 28040 Madrid  
Spain  
☎ 34 2 244 2501  
① 34 2 394 5195

**Tosa Makoto**  
Astron Institute  
Tohoku Univ  
Sendai Aoba  
Miyagi 980  
Japan  
☎ 81 22 217 6501  
① 81 22 217 6513  
✉ tosa@astroa.astr.tohoku.ac.jp

**Tosi Monica**  
Osserv Astronom Bologna  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 401  
① 39 51 259 407

**Toth Imre**  
Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
① 36 1 275 4668  
✉ h697kno@ogyalla.konkoly.hu

**Totsuka Yoji**  
Inst Cosmic Ray Res  
Univ of Tokyo  
Midoricho Tanashi  
Tokyo 188  
Japan  
☎ 81 424 61 4131  
① 81 424 68 1438  
✉ totsuka@ipnputins

**Touma Hamid**  
CNCPRST  
NRC  
BP 8027  
Rabat Agdal  
Morocco  
☎ 212 7 72 803/7 74 215  
① 212 7 77 1288  
✉ touma@cnr.ac.ma

**Tout Christopher**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
① 44 12 23 337 523  
✉ c23@phoenix.cambridge.ac.uk

**Tovmassian Gaghik**  
Observ Astronomico Nacional  
UNAM  
Apt 877  
Ensenada BC 22800  
Mexico  
☎ 52 6 174 4580  
① 52 6 174 4607  
✉ gag@bufadora.astrosen.unam.mx

**Tovmassian Hrant M**  
INAOE  
Tonantzintaz  
Apdo 51 y 216  
Puebla PUE 72000  
Mexico  
☎ 52 2 247 2011  
① 52 2 247 2231  
✉ hrant@tonali.inaop.mx

**Townes Charles Hard**  
Physics Dpt  
Univ of California  
366 LeConte Hall  
Berkeley CA 94720  
USA  
☎ 1 510 642 1128  
① 1 510 643 8497  
✉ cht@sunspot.ssl.berkeley.edu

**Toyama Kiyotaka**  
Hokkaido Inform Univ  
Nishinopporo 59-2  
Ebetsu 069  
Japan  
☎ 81 113 85 4411  
① 81 113 84 0134

**Tozer David C**  
School of Physics  
Univ of Newcastle  
Newcastle/Tyne NE1 7RU  
UK  
☎ 44 191 222 7411  
① 44 191 261 1182

**Tozzi Gian Paolo**  
Osserv Astrofis Arcetri  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 52250  
① 39 55 22 0039

**Traat Peeter**  
Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia  
☎ 372 7 434 932  
① 372 7 410 205  
✉ traat@obs.ee

**Trafton Laurence M**  
Astronomy Dpt  
Univ of Texas  
Rim 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 1476  
① 1 512 471 6016

**Tran Minh Nguyen**  
Observ Paris Meudon  
DAMAP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7447  
① 33 1 45 07 7511

**Tran-Minh Francoise**  
Observ Paris Meudon  
DASGAL  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7553  
① 33 1 45 07 7469

**Traub Wesley Arthur**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7406  
① 1 617 495 7356  
✉ traub@cfa.harvard.edu

**Traving Gerhard**  
Inst Theor Astrophysik  
d Univ  
Im Neuenheimer Feld 561  
D 69120 Heidelberg  
Germany  
☎ 49 622 156 2815  
ⓞ 49 622 154 4221

**Treder H J**  
Zntrlnst Astrophysik  
Sternwarte Babalsberg  
Rosa Luxemburg Str 17a  
D 14473 Potsdam  
Germany  
☎ 49 331 275 3731

**Treffers Richard R**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 415 642 4223  
ⓞ 1 510 642 3411

**Treffitz Eleonore E**  
Musenbergsr 28b  
D 81929 Muenchen  
Germany

**Trefzger Charles F**  
Astronomisches Institut  
Univ Bern  
Venusstr 7  
CH 4102 Binningen  
Switzerland  
☎ 41 61 271 7711/12  
ⓞ 41 61 205 5455

**Trehan Surindar K**  
Mathematics Dpt  
Univ of Panjab  
Chandigarh 160 014  
India  
☎ 91 29 938

**Trellis Michel**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
ⓞ 33 4 92 00 3033

**Tremaine Scott Duncan**  
Dpt Astrophys Sci  
Princeton Univ  
Peyton Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 258 3810  
ⓞ 1 609 258 1020  
✉ tremaine@astro.priceton.edu

**Tremko Jozef**  
Astronomical Institute  
Slovak Acad Sci  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 96 7866  
ⓞ 421 969 96 7656

**Treumann Rudolf A**  
MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 831  
ⓞ 49 893 299 3569

**Trevese Dario**  
Istt Astronomico  
Univ d Roma La Sapienza  
Via G M Lancisi 29  
I 00161 Roma  
Italy  
☎ 39 6 44 03734  
ⓞ 39 6 44 03673

**Trexler James H**  
1921 So Abrego Dr  
Greenvalley AZ 85614 1403  
USA

**Trimble Virginia L**  
Dpt Phys/Astronomy  
UCI  
Irvine CA 92697 4575  
USA  
☎ 1 714 824 6948/301 405 5822  
ⓞ 1 714 824 2174/301 314 9067  
✉ vtrimble@uci.edu  
astro.umd.edu

**Trinchieri Ginevra**  
Osserv Astronomico  
d Brera  
Via Brera 28  
I 20121 Milano  
Italy  
☎ 39 2 723 20327  
ⓞ 39 2 720 01600  
✉ ginevra@brera.mi.astro.it

**Tripathi B M**  
Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136

**Tripicco Michael J**  
NASA GSFC  
Code 664  
Greenbelt MD 20771  
USA  
✉ miket@ros10.gsfc.nasa.gov

**Tritakis Basil P**  
Res Ctr Astronomy  
Acad Athens  
14 Anagnostopoulou St  
GR 106 73 Athens  
Greece  
☎ 30 1 361 3589  
ⓞ 30 1 363 1606

**Tritton Keith P**  
Magpie Cottage  
Fox St  
Great Grandsen  
Sandy SG19 3AA  
UK  
☎ 44 176 767 7219  
ⓞ 44 1767 677 219  
✉ kpt2@tutor.open.ac.uk

**Tritton Susan Barbara**  
Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 667 3321  
ⓞ 44 131 662 1668  
✉ sbt@roe.ac.uk

**Troche-Boggino A E**  
Fac Cienc Exactas/Natural  
Univ Nacional Asuncion  
Suc de Correos 19  
Agen Pos Campus Una Km10  
Paraguay  
☎ 595 92 501 517  
ⓞ 595 21 502 239  
✉ atroche@pol.com.py

**Troland Thomas Hugh**  
Dpt Phys/Astronomy  
Univ Kentucky  
Lexington KY 40506 0055  
USA  
☎ 1 606 257 8620  
ⓞ 1 606 323 2846

**Trottet Gerard**  
Observ Paris Meudon  
DASOP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7808  
ⓞ 33 1 45 07 7959

**Truemper Joachim**  
MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 3559  
ⓞ 49 893 299 3569

**Trujillo Bueno Javier**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
ⓞ 34 2 232 9117

**Trullols I Farreny Enric**  
Dpt Mat Aplicada  
U P Cataluna  
Victor Balaguer Sn  
E 08800 Vilanova  
Spain  
☎ 34 3 896 7738  
ⓞ 34 3 896 7700  
✉ enric@mat.upc.es

**Trulsen Jan K**  
Inst Theor Astrophys  
Univ of Oslo  
Box 1029  
N 0315 Blindern Oslo 3  
Norway  
☎ 47 22 856 501  
ⓞ 47 22 85 6505

**Truong Bach**  
Observ Paris  
DEMIRM  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2221  
ⓞ 33 1 40 51 2002

**Truran James W**  
Dpt Astron/Astrophys  
Univ of Chicago  
5640 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 702 9584  
ⓞ 1 312 702 6645  
✉ truran@nova.uchicago.edu

**Trushkin Sergei Anatol'evich**  
SAO  
Acad Sciences  
Nizhnij Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 878 784 6103  
ⓞ 7 96 908 2861  
✉ satr@sao.ru

**Trussoni Edoardo**  
Istt Cosmo Geofisica  
CNR  
Corso Fiume 4  
I 10133 Torino  
Italy  
☎ 39 11 657 694/8979

**Trutse Yu L**  
Inst Phys of Atmosph  
Acad Sciences  
Pyzhevsky 3  
109017 Moscow  
Russia

**Tsai Chang-Hsien**  
Taipei Astronomical  
Museum  
N 363 Kee-Ho Rd  
Taipei  
China R  
☎ 886 2 594 7432

**Tsampanlis Michael**  
Astrophysics Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414\*211  
ⓞ 30 1 962 4430  
✉ rich@grathun1

**Tsao Mo**  
No 47 Sec 3  
Hsin-i Rd  
Taipei 106  
China R  
☎ 886 2 704 7795

**Tsap T T**  
Crimean Astrophys Obs  
Ukrainian Acad Science  
Nauchny  
334413 Crimea  
Ukraine  
☎ 380 6554 71161  
ⓞ 380 6554 40704



**Tsarevsky Gregory**  
Astro Space Ctr  
Lebedev Physical Inst  
Profsoyuznaya 84/32  
117810 Moscow  
Russia  
☎ 7 095 333 2133  
☎ 7 095 333 2378  
✉ gtsarevs@atnf.csiro.au

**Tsay Wean-Shun**  
Inst Phys/Astronomy  
Ntl Central Univ  
Chung Li Taiwan 32054  
China R  
☎ 886 3 422 7151\*5335/5300  
☎ 886 3 425 1175  
✉ tsay@phyast.dnet.nctu.edu.tw

**Tscharnuter Werner M**  
Inst Theor Astrophysik  
d Univer  
Tiergartenstr 15  
D 69121 Heidelberg  
Germany  
☎ 49 622 154 4837  
☎ 49 622 154 4221  
✉ wmt@ita.uni-heidelberg.de

**Tseytlin Naum M**  
Radiophysical Res  
Inst  
Lyadov Ul 25/14  
603600 N Novgorod  
Russia  
☎ 7 831 236 0129  
☎ 7 831 236 9902

**Tsikoudi Vassiliki**  
Physics Dpt  
Univ of Ioannina  
GR 451 10 Ioannina  
Greece  
☎ 30 651 98 481  
☎ 30 651 45 697  
✉ vtikoud@cc.uoi.gr

**Tsinganos Kanaris**  
Physics Dpt  
Univ of Crete  
Box 1527  
GR 711 11 Heraklion  
Greece  
☎ 30 81 23 9757\*154  
☎ 30 81 23 9735  
✉ tsingan@iesl.forth.gr

**Tsioumis Alexandros**  
Dpt Geodesy/Astron  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 2693

**Tsiropoula Georgia**  
Astronomical Institute  
Ntl Observ Athens  
Box 20048  
GR 118 10 Athens  
Greece  
☎ 30 1 346 1191  
☎ 30 1 346 4566

**Tsubaki Tokio**  
Dpt Earth Science  
Shiga Univ  
2-5-1 Hiratsu  
Ohtsu 520  
Japan  
☎ 81 775 37 081

**Tsuboi Masato**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 63 4314  
☎ 81 267 98 2927  
✉ nrtrosu@jpnpro

**Tsubota Yukimasa**  
Krio Senior High School  
4-1-2 Hiyoshi  
Kouhoku-ku  
Yokohama 223  
Japan  
☎ 81 455 63 1111  
☎ 81 455 62 8291  
✉ tsubota@hc.keio.ac.jp

**Tsuchida Masayoshi**  
IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
☎ 55 11 276 3848  
✉ masa@brfapesp

**Tsuchiya Atsushi**  
Omachi 4 2 18  
Kamakura 248  
Japan

**Tsuchiya Toshio**  
Astronomy Dpt  
Kyoto Univ  
Sakyo-ku  
Kyoto 606 01  
Japan  
☎ 81 75 753 4288  
☎ 81 75 753 3897  
✉ tsuchiya@kusastro.kyoto-u.ac.jp

**Tsuji Takashi**  
Inst of Astronomy  
Univ of Tokyo  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
☎ 81 422 34 3793

**Tsujimoto Takuji**  
Ntl Astronomical Obs  
Osawa 2-21-1  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3617  
☎ 81 422 32 1924  
✉ tsujimtk@cc.nao.ac.jp

**Tsunemi Hiroshi**  
Fac of Sciences  
Osaka Univ  
Machikaneyama  
Toyonaka Osaka 560  
Japan  
☎ 81 684 41 151  
✉ tsunemi@jpnoskfm

**Tsuneta Saku**  
Inst of Astronomy  
Univ of Tokyo  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 4710  
☎ 81 422 34 3793

**Tsuru Takeshi**  
Physics Dpt  
Kyoto Univ  
Sakyo-ku  
Kyoto 606 01  
Japan  
☎ 81 75 753 3843  
☎ 81 75 753 5377  
✉ tsuru@cr.scphys.kyoto-u.ac.jp

**Tsuruta Sachiko**  
Physics Dpt  
Montana State Univ  
Bozeman MT 59717 0350  
USA  
☎ 1 406 994 6779  
☎ 1 406 994 4452  
✉ uphst@gemini.oscs.montana.edu

**Tsutsumi Takahiro**  
Nobeyama Radio Obs  
NAOJ  
Minamimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 984 371  
☎ 81 267 982 884  
✉ tsutsumi@nro.nao.ac.jp

**Tsvetanov Zlatan I**  
Dpt Phys/Astronomy  
JHU  
Charles/34th St  
Baltimore MD 21218  
USA  
☎ 1 301 516 8585  
☎ 1 301 516 8260  
✉ ztsvetanov@pha.jhu.edu

**Tsvetkov Milcho K**  
Inst of Astronomy  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 743 1414  
☎ 359 2 740 831  
✉ tsvetkov@wfpa.bas.bg

**Tsvetkov Tsvetan**  
Astronomy Dpt  
Univ of Sofia  
Anton Ivanov St 5  
BG 1126 Sofia  
Bulgaria  
☎ 359 2 68 8176  
☎ 359 2 68 9085

**Tsvetkova Katya**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 743 1739  
☎ 359 2 975 3201  
✉ katya@wfpa.acad.bg

**Tsygan Anatolii I**  
Ioffe Physical Tech Inst  
Acad Sciences  
Polytechnicheskaya Ul 26  
194021 St Petersburg  
Russia  
☎ 7 812 247 9326  
☎ 7 812 247 1963  
✉ varsh@eo.pti.spb.su

**Tuchman Ytzhak**  
Rachah Inst of Phys  
Hebrew Univ Jerusalem  
Jerusalem 91904  
Israel  
☎ 972 2 584 417  
☎ 972 2 61 1519

**Tucholke Hans-Joachim**  
Univ Sternwarte  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany  
☎ 49 228 733 649  
☎ 49 228 733 672  
✉ tucholke@astro.uni-bonn.de

**Tucker Wallace H**  
Box 266  
Bonsall CA 92003  
USA  
☎ 1 619 728 7103

**Tueg Helmut**  
Alfred Wegener Institut  
f Polarforschung  
Columbus Ctr  
D 2850 Bremerhaven  
Germany

**Tufekcioglu Zeki**  
Astronomy Dpt  
Univ of Ankara  
Fen Fakultesi  
06100 Beşevler  
Turkey  
☎ 90 41 212 6720  
☎ 90 312 223 2395

**Tull Robert G**  
Astronomy Dpt  
Univ of Texas  
Rim 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 3337  
☎ 1 512 471 6016

**Tully John A**  
OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
☎ 33 4 92 00 3033

**Tully Richard Brent**

Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 8606  
☎ 1 808 988 2790

**Tunca Zeynel**

Dpt Astron/Space Sci  
Ege Univ  
Box 21  
35100 Bornova Izmir  
Turkey  
☎ 90 232 388 0110\*2322

**Tuohy Ian R**

British Aerosp Australia  
14 Park Way  
Technology Park  
Salisbury 5095  
Australia  
☎ 61 83 432 2111  
☎ 61 8 349 6629

**Tuominen Ilkka V**

Astronomy Dpt  
Univ of Oulu  
Box 333  
FIN 90570 Oulu  
Finland  
☎ 358 81 553 1930  
☎ 358 81 553 1934  
✉ ilkka.tuominen@oulu.fi

**Turatto Massimo**

Osserv Astronom Padova  
Univ d Padova  
Vic d Osservatorio 5  
I 35122 Padova  
Italy  
☎ 39 49 829 3411  
☎ 39 49 875 9840

**Turck-Chieze Sylvaine**

Service Astrophysique  
CEA Saclay  
Orme d Merisiers Bt 709  
F 91190 Gif s Yvette Cdx  
France  
☎ 33 1 69 08 4387  
☎ 33 1 69 08 6577  
✉ turck@discovery.saclay.cea.fr

**Turlo Zygmunt**

Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland  
☎ 48 56 26 018  
☎ 48 56 24 602

**Turner Barry E**

NRAO  
520 Edgemont Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 296 0337

**Turner David G**

Astronomy Dpt  
St Mary's Univ  
Halifax NS B3H 3C3  
Canada  
☎ 1 902 429 9780\*2254  
☎ 1 902 420 5561

**Turner Edwin L**

Princeton Univ Obs  
Peyton Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 258 3577  
☎ 1 608 258 1020  
✉ zlt@astro.uv.princeton.edu

**Turner Jean L**

Dpt Astronomy/Phys  
UCLA  
Los Angeles CA 90095 1562  
USA  
☎ 1 213 825 4305  
☎ 1 213 206 2096  
✉ turner@astro.ucla.edu

**Turner Kenneth C**

NSF  
Div Astron Sci  
4201 Wilson Blvd  
Arlington VA 22230  
USA  
☎ 1 703 306 1820  
☎ 1 703 306 0525  
✉ kturner@note.nsf.gov

**Turner Martin J I**

Dpt Phys/X-Ray Astron  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
☎ 44 116 250 182

**Turner Michael S**

Astronomy/Astrophys Ctr  
Univ of Chicago  
5640 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 962 7974  
☎ 1 312 702 8212

**Turnshek David A**

NRAO  
Dpt Phys/Astronomy  
Univ of Pittsburgh  
Pittsburgh PA 15260  
USA  
☎ 1 412 624 9015  
☎ 1 412 624 1833  
✉ turnshek@cis.pitt.edu

**Turolla Roberto**

Dpt Fisica G Galilei  
Univ d Padova  
Via Marzolo 8  
I 35131 Padova  
Italy  
☎ 39 49 827 7139  
☎ 39 49 827 7102  
✉ turolla@astaxp.pd.infn.it

**Turon Catherine**

Observ Paris Meudon  
DASGAL  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7837  
☎ 33 1 45 07 7878  
✉ Catherine.turon@obspm.fr

**Turtle A J**

Physics Dpt  
Univ of Sydney  
Sydney NSW 2006  
Australia  
☎ 61 2 692 2222  
☎ 61 2 660 2903

**Tutukov A V**

Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
☎ 7 095 230 2081

**Twarog Bruce A**

Dpt Phys/Astronomy  
Univ of Kansas  
Lawrence KS 66045  
USA  
☎ 1 913 864 5163  
☎ 1 913 864 5262

**Twiss R Q**

C/o A R Boschi  
96a Holland Rdoschi  
London W14 8BD  
UK

**Tworkowski Andrzej S**

School Mathemat Sc  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 980 4822  
☎ 44 181 975 5500

**Tylanda Romuald**

Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland  
☎ 48 56 26 018\*10  
☎ 48 56 24 602

**Tyler G Leonard**

Radar Astronomy Inst  
Stanford Univ  
Stanford CA 94305 4035  
USA  
☎ 1 415 497 3535  
☎ 1 415 723 4840

**Tylka Allan J**

NRL  
Code 4154  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 2200  
☎ 1 202 767 6473

**Tyson John Anthony**

Bell Labs  
Rm ID432  
700 Mountain Av  
Murray Hill NJ 07974  
USA  
☎ 1 908 582 6028  
☎ 1 908 582 4702  
✉ tyson@lucent.com

**Tytler David**

CASS  
UCSD  
C 011  
La Jolla CA 92093 0216  
USA  
☎ 1 619 534 3460  
☎ 1 619 534 2294

**Tzioumis Anastasios**

CSIRO  
ATNF  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 9372 4350  
☎ 61 2 9372 4400  
✉ atzioumi@atnf.csiro.au

## U

**Ubertini Pietro**

IAS  
Area d Ricerca CNR  
Via Fosso Cavaliere 100  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
☎ 39 6 2066 0188  
✉ ubertini@alpha1.rm.fra.cnr.it

**Uchida Juichi**

Tohoku Gakuen Univ  
Tagayo Univ  
Miyagi 985  
Japan

**Uchida Yutaka**

Astronomy Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 757 53 3890  
☎ 81 757 53 3897

**Udal'tsov V A**

Lebedev Physical Inst  
Acad Sciences  
Leninsky Pspt 53  
117924 Moscow  
Russia  
☎ 7 095 135 8560  
☎ 7 095 135 7880

**Udalski Andrzej**

Astronomical Observ  
Warsaw Univ  
Al Ujazdowskie 4  
PL 00 478 Warsaw  
Poland  
☎ 48 22 29 4011  
☎ 48 22 29 4697  
✉ vdalski@plwaww61

**Udaya Shankar N**

RRRI  
Sadashivanagar  
CV Raman Av  
Bangalore 560 080  
India  
☎ 91 80 336 0122  
☎ 91 80 334 0492  
✉ uday@rri.ernet.in

**Udry Stephane**

Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauverny  
Switzerland  
☎ 41 22 755 2611  
☎ 41 22 755 3983  
✉ stephane.udry@obs.unige.ch

**Ueno Munetaka**

Dpt Earth/Astronomy  
Univ of Tokyo  
3-8-1 Komaba Meguro  
Tokyo 153  
Japan  
☎ 81 354 54 6616  
☎ 81 334 65 3925  
✉ ueno@chianti.c.u-tokyo.ac.jp

**Ueno Sueo**

Kanazawa Techn Inst  
7 1 Ogigaoka  
Nonoichimachi  
Ishikawa 921  
Japan  
☎ 81 762 48 1100

**Uesugi Akira**

Astronomy Dpt  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 51 2111  
☎ 81 75 753 7010

**Ukita Nobuharu**

Nobeyama Radio Obs  
NAOJ  
Minimimaki Mura  
Nagano 384 13  
Japan  
☎ 81 267 98 4397  
☎ 81 267 98 4387  
✉ ukita@nro.nao.ac.jp

**Ulfbeck Ole**

Niels Bohr Inst  
Copenhagen Univ  
Blegdamsvej 17  
DK 2100 Copenhagen  
Denmark  
☎ 45 31 42 1616  
☎ 45 31 38 9157

**Ulich Bobby Lee**

Kaman Aerospace Corp  
Electro Optics Dvpt Ct  
3480 E Britannia Dr  
Tucson AZ 85711  
USA  
☎ 1 520 295 2104  
☎ 1 520 889 0211

**Ulmer Melville P**

Dearborn Observ  
NW Univ  
2131 Sheridan Rd  
Evanston IL 60208 3112  
USA  
☎ 1 847 491 5633  
☎ 1 847 491 3135

**Ulmschneider Peter**

Inst Theor Astrophysik  
d Univer  
Tiergartenstr 15  
D 69121 Heidelberg  
Germany  
☎ 49 622 156 2837  
☎ 49 622 154 4221  
✉ i98@dhdurz1

**Ulrich Bruce T**

Hiltenspergerstr 93  
D 8000 Muenchen 40  
Germany

**Ulrich Marie-Helene D**

ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6229  
☎ 49 893 202 362

**Ulrich Roger K**

Dpt Astronomy/Phys  
UCLA  
Box 951562  
Los Angeles CA 90025 1562  
USA  
☎ 1 310 825 4270  
☎ 1 310 206 2096  
✉ ulrich@bonnie.astro.ucla.edu

**Ulvestad James Scott**

NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 835 7298  
☎ 1 505 835 7027  
✉ julvesta@aac.nrao.edu

**Umemura Masayuki**

Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 41 3731  
☎ 81 422 41 3746  
✉ umemura@ume.mtk.nao.ac.jp

**Umlenski Vasil**

Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
☎ 359 2 75 5019

**Underhill Anne B**

4696 West 10th Av 301  
Vancouver BC V6R 2J5  
Canada  
☎ 1 250 224 3552

**Underwood James H**

Lawrence Berkeley Lab  
Univ of California  
X Ray Optics Lab 80 101  
Berkeley CA 94720  
USA  
☎ 1 415 486 4958  
☎ 1 510 486 6738

**Unger Stephen**

Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
☎ 44 12 23 374 700

**Unno Wasaburo**

Res Inst Science/Tech  
Kinki Univ  
Higashi  
Osaka 577  
Japan  
☎ 81 672 12 332

**Unwin Stephen C**

CALTECH/JPL  
MS 301 370  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 5066  
☎ 1 818 393 5239  
✉ unwin@huey.jpl.nasa.gov

**Uomoto Alan K**

Dpt Phys/Astronomy  
JHU  
Charles/34th St  
Baltimore MD 21218  
USA  
☎ 1 301 338 8594  
☎ 1 301 516 7279  
✉ au@pha.jhu.edu

**Uppgren Arthur R**

349 Sciences Ctr  
Wesleyan Univ  
Middletown CT 06459  
USA  
☎ 1 860 685 3678  
☎ 1 860 685 2131  
✉ aupgren@wesleyan.edu

**Upson Walter L II**

Princeton Univ Obs  
Peyton Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 258 3801  
☎ 1 609 258 1020

**Upton E K I**  
 Dpt Astronomy/Phys  
 UCLA  
 Box 951562  
 Los Angeles CA 90025 1562  
 USA  
 ☎ 1 310 825 4434  
 ☎ 1 310 206 2096

**Uras Silvano**  
 Istt Astronomia  
 Univ d Cagliari  
 Via Ospedale 72  
 I 09100 Cagliari  
 Italy  
 ☎ 39 70 71 1246  
 ☎ 39 70 72 5425

**Urasin Lirik A**  
 Engelhardt Astronom  
 Observ  
 Observatoria Station  
 422526 Kazan  
 Russia  
 ☎ 7 32 4827

**Urban Sean Eugene**  
 USNO  
 3450 Massachusetts Av NW  
 Washington DC 20392 5420  
 USA  
 ☎ 1 202 762 1445  
 ☎ 1 202 762 1516  
 ✉ seu@pyxis.usno.navy.mil

**Urbanik Marek**  
 Astronomical Observ  
 Krakow Jagiellonian Univ  
 Ul Orla 171  
 PL 30 244 Krakow  
 Poland  
 ☎ 48 12 25 1294  
 ☎ 48 12 25 1318

**Ureche Vasile**  
 Fac of Mathematics  
 Univ of Cluj Napoca  
 Str M Kogalniceanu 1  
 RO 3400 Cluj Napoca  
 Rumania  
 ☎ 40 64 116 101  
 ☎ 40 64 194 592

**Urpo Seppo I**  
 Helsinki Univ Technology  
 Radio Laboratory  
 Otakaari 5 A  
 FIN 02150 Espoo 15  
 Finland  
 ☎ 358 9 451 2548  
 ☎ 358 9 451 2378

**Urry Claudia Megan**  
 STScI  
 Homewood Campus  
 3700 San Martin Dr  
 Baltimore MD 21218  
 USA  
 ☎ 1 301 338 4593  
 ☎ 1 301 338 4767  
 ✉ cmu@stsci.edu

**Usher Peter D**  
 Astronomy Dpt  
 Pennsylvania State Univ  
 507 Davey Lab  
 University Park PA 16802  
 USA  
 ☎ 1 814 865 3509  
 ☎ 1 814 863 7114

**Uson Juan M**  
 NRAO  
 VLA  
 Box 0  
 Socorro NM 87801 0387  
 USA  
 ☎ 1 505 835 7237  
 ☎ 1 505 835 7027

**Usovics Jerzy Bogdan**  
 Inst Radio Astronomy  
 N Copernicus Univ  
 Ul Gagarina 11  
 PL 87 100 Torun  
 Poland  
 ☎ 48 56 78 3327  
 ☎ 48 56 11 651

**Utsumi Kazuhiko**  
 Astronomy Dpt  
 Hiroshima Univ  
 Higashi Senda Machi  
 Hiroshima 730  
 Japan  
 ☎ 81 822 41 1221

**Uus Undo**  
 Tartu Observ  
 Estonian Acad Sci  
 Toravere  
 EE 2444 Tartumaa  
 Estonia  
 ☎ 372 7 416 625  
 ☎ 372 7 410 205

## V

**Vager Zeev**

Physics Dpt  
Weizmann Inst of Sci  
Box 26  
Rehovot 76100  
Israel  
☎ 972 8 34 3835  
① 972 8 34 4106

**Vaghi Sergio**

ESA/ESTEC  
PLP  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 3453  
① 31 71 565 4894  
✉ svaghi@estec.esa.nl

**Vagnetti Fausto**

Dpt Fisica/Astrofisica  
Univ d Roma Tor Vergata  
Via Ric Scientifica  
I 00133 Roma  
Italy  
☎ 39 6 7259 4426  
① 39 6 202 3507  
✉ vagnetti@itovf2.roma2.  
infn.it

**Vahia Mayank N**

TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 215 2971  
① 91 22 215 2110  
✉ vahia@158.144.1.11

**Vaidya P C**

34 Sharda Naga  
PALDI  
Ahmedabad 380 007  
India  
☎ 91 272 41 3322

**Vainstein L A**

Lebedev Physical Inst  
Acad Sciences  
Leninsky Pspst 53  
117924 Moscow  
Russia  
☎ 7 095 135 2250  
① 7 095 135 7880

**Vakili Farrokh**

OCA  
Observ Calern/Caussols  
2130 r Observatoire  
F 06460 S Vallier They  
France  
☎ 33 4 93 42 6270  
① 33 4 93 09 2613  
✉ vakili@froni51

**Val'tts Irina E**

Astro Space Ctr  
Lebedev Physical Inst  
Profsoyuznaya 84/32  
Moscow 117810  
Russia  
☎ 7 095 333 2167  
① 7 095 333 2378  
✉ ivaltts@dpc.asc.rssi.ru

**Valbousquet Armand**

Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 35 8200  
① 33 3 88 25 0160

**Valentijn Edwin A**

Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
① 31 50 363 6100

**Valiron Pierre**

Observ Grenoble  
Lab Astrophysique  
BP 53x  
F 38041 S Martin Heres Cdx  
France  
☎ 33 4 76 51 4787  
① 33 4 76 44 8821

**Vallee Jacques P**

NRCC/HIA  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 363 6952  
① 1 250 363 8483  
✉ jacques.vallee@hia.nrc.ca

**Vallejo Miguel**

ROA  
Cecilio Pujazon 22-3 A  
E 11110 San Fernando Cadiz  
Spain  
☎ 34 5 659 9000  
① 34 5 659 9366  
✉ vallejo@roa.cica.es

**Valls-Gabaud David**

Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0758  
① 33 3 88 15 0760  
✉ dvg@astro.u-strasbg.fr

**Valnicek Boris**

Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7324  
① 420 2 88 1611  
✉ astsun@csearn

**Valsecchi Giovanni B**

IAS  
Rep Planetologia  
Via d universita 11  
I 00133 Roma  
Italy  
☎ 39 6 4993 4473  
① 39 6 2066 0188  
✉ giovanni@ias.rm.cnr.it

**Valtaoja Esko**

Turku Univ  
Tuorla Observ  
Vaaisaelaentie 20  
FIN 21500 Piikki  
Finland  
☎ 358 2 274 4251  
① 358 2 243 3767

**Valtaoja Leena**

Turku Univ  
Tuorla Observ  
Vaaisaelaentie 20  
FIN 21500 Piikki  
Finland  
☎ 358 2 143 5822  
① 358 2 243 3767  
✉ lvaltaoja@kontu.utu.fi

**Valtier Jean-Claude**

OCA  
Observ Nice  
BP 139  
F 06304 Nice Cdx 4  
France  
☎ 33 4 93 89 0420  
① 33 4 92 00 3033

**Valtonen Mauri J**

Turku Univ  
Tuorla Observ  
Vaaisaelaentie 20  
FIN 21500 Piikki  
Finland  
☎ 358 2 274 4245  
① 358 2 243 3767

**Valyaev Valery**

10 Nab Kutusova  
St Petersburg  
Russia  
☎ 7 812 275 1006  
① 7 812 272 7968  
✉ sokolsky@iipah.spb.ru

**van Albada tjeerd S**

Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
① 31 50 363 6100

**van Allen James A**

Dpt Phys/Astronomy  
Univ of Iowa  
605 Brookland Park Dr  
Iowa City IA 52242 1479  
USA  
☎ 1 319 353 4531  
① 1 319 335 1753

**van Altena William F**

Astronomy Dpt  
Yale Univ  
Box 208101  
New Haven CT 06520 8101  
USA  
☎ 1 203 436 8318  
① 1 203 432 5048  
✉ vanalten@yale.astro.edu

**van Beek Frank**

Dpt Mechan Eng  
Techn Univ Delft  
Mekelweg 2  
NL 2628 CD Delft  
Netherlands  
☎ 31 15 278 5396  
① 31 15 278 3444

**van Blerkom David J**

Astronomy Dpt  
Univ Massachusetts  
Amherst MA 01002  
USA  
☎ 1 413 545 2290

**van Breda Ian G**

Dunsink Observ  
DIAS  
Castleknock  
Dublin 15  
Ireland  
☎ 353 1 38 7911  
① 353 1 38 7909

**van Breugel Wil**

Radio Astronomy Lab  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720  
USA  
☎ 1 415 642 5275  
① 1 415 642 3411

**van Bueren Hendrik G**

Meidoornlaan 13  
NL 3461 ES Linschoten  
Netherlands  
☎ 31 34 801 5406

**van Citters Gordon W**  
NSF  
Div Astron Sci  
4201 Wilson Blvd  
Arlington VA 22230  
USA  
☎ 1 703 306 1820  
☎ 1 703 306 0525  
✉ gvancitt@nsf.gov

**van de Hulst H C**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 2727  
☎ 31 71 527 5819

**van de Stadt Herman**  
SRON  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
☎ 31 50 363 6100

**van den Bergh Sidney**  
NRCC/HIA  
DAO  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 363 0006  
☎ 1 250 363 0045  
✉ sidney.vandenbergh@nrc.ca

**van den Heuvel Edward P J**  
Astronomical Institute  
Univ of Amsterdam  
Kruislaan 403  
NL 1098 SJ Amsterdam  
Netherlands  
☎ 31 20 525 7491  
☎ 31 20 525 7484  
✉ edvdh@astro.uva.nl

**van den Oord Bert H J**  
Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5200  
☎ 31 30 253 1601  
✉ oord@astro.uu.nl

**van der Borcht Rene**  
31 The Promenade  
Isle of Capri  
Surfers Paradise 4217  
Australia  
☎ 61 38 5712

**van der Hucht Karel A**  
SRON  
Postbus 800  
Sorbonnelaan 2  
NL 3584 CA Utrecht  
Netherlands  
☎ 31 30 253 5600  
☎ 31 30 254 0860  
✉ K.vanderHucht@sron.ruu.nl

**van der Hulst Jan M**  
Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4054  
☎ 31 50 363 4033  
✉ j.m.van.der.hulst@astro.rug.nl

**van der Kils Michiel**  
Astronomical Institute  
Univ of Amsterdam  
Kruislaan 403  
NL 1098 SJ Amsterdam  
Netherlands  
☎ 31 20 525 7498/7491/7492  
☎ 31 20 525 7484  
✉ michiel@astro.uva.nl

**van der Kruit Pieter C**  
Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
☎ 31 50 363 6100  
✉ vdkruit@astro.rug.nl

**van der Laan Harry**  
Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5200  
☎ 31 30 253 1601  
✉ vdlaan@astro.uu.nl

**van der Linden Ronald**  
Ctr Plasma Astrophys  
Katholieke Univ Leuven  
Celestijnenlaan 200B  
B 3001 Heverlee  
Belgium  
☎ 32 16 327 003  
☎ 32 16 32 7998  
✉ ronald.vanderlinden@wis.kuleuven.ac.be

**van der Marel Roeland P**  
STScI/RPO  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4931  
☎ 1 301 338 4596  
✉ marel@stsci.edu

**van der Raay Herman B**  
Physics Dpt  
Univ Birmingham  
Box 363  
Birmingham B15 2TT  
UK  
☎ 44 12 14 72 1301

**van der Veen Wilhelmus EC**  
Astronomy Dpt  
Columbia Univ  
538 W 120th St  
New York NY 10027  
USA  
☎ 1 212 854 6831  
☎ 1 212 854 9504  
✉ wecj@carmen.phys.columbia.edu

**van der Walt D J**  
Physics Dpt  
Potchefstroom Univ  
for CHE  
2520 Potchefstroom  
South Africa  
☎ 27 148 299 2408  
☎ 27 148 299 2421  
✉ fskdjvdw@pukvm1.puk.ac.za

**van der Werf Paul P**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5861  
☎ 31 71 527 5819  
✉ pvdwerf@strw.leidenuniv.nl

**van Dessel Edwin Ludo**  
Koninklijke Sterrenwacht  
van België  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0240  
☎ 32 2 374 9822  
✉ edwin.vandessel@oma.be

**van Diggelen J**  
Observ Utrecht  
Aetsveldselaan 12  
NL 1381 EA Weesp  
Netherlands

**van Dishoeck Ewine F**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5814/5833  
☎ 31 71 527 5819  
✉ ewine@strw.leidenuniv.nl

**van Dorn Bradt Hale**  
Ctr for Space Res  
MIT Rm 37 587  
Box 165  
Cambridge MA 02139 4307  
USA  
☎ 1 617 253 7550  
☎ 1 617 253 0861  
✉ hale@space.mit.edu

**van Driel Willem**  
Observ Paris Meudon  
USN  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7609  
☎ 33 1 45 07 7879  
✉ wim.van.driel@obspm.fr

**van Driel Gesztlyi L**  
Observ Paris Meudon  
DASOP  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7530  
☎ 33 1 45 07 7959

**van Duinen R J**  
Chairman N W O  
Laan van Nw Oost Indie 131  
Box 93138  
NL 2509 AC The Hague  
Netherlands

**van Dyk Schuyler**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 510 643 8143  
☎ 1 510 642 3411  
✉ vandyk@popsicle.berkeley.edu

**Van Flandern Tom**  
Meta Res  
6327 Western Av NW  
Washington DC 20015  
USA  
☎ 1 202 362 9176  
☎ 1 202 362 8279  
✉ metares@well.sf.ca.us

**van Genderen Arnoud M**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 5856  
☎ 31 71 527 5819  
✉ genderen@strw.leiden-univ.nl

**van Gorkom Jacqueline H**  
NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 772 4302  
☎ 1 505 835 7027

**van Groningen Ernst**  
Astronomical Observ  
Box 515  
S 751 20 Uppsala  
Sweden  
☎ 46 18 53 0265  
☎ 46 18 52 7583

**van Haarlem Michiel**  
NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 521 59 5100  
☎ 31 52 159 7332  
✉ haarlem@nfra.nl

**van Hamme Walter**  
Dpt Phys/Astronomy  
Florida Id Univ  
University Park  
Miami FL 33199  
USA

**van Herk Gijbert**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 2727  
① 31 71 527 5819

**van Hoolst Tim**  
Koninklijke Sterrenwacht  
van België  
Ringlaan 3  
B 1180 Brussels  
Belgium  
☎ 32 2 373 0668  
① 32 2 374 9822  
✉ timvh@oma.be

**van Horn Hugh M**  
NSF  
Div Astron Sci  
4201 Wilson Blvd  
Arlington VA 22230  
USA  
☎ 1 703 306 1820  
① 1 703 306 0525  
✉ hvanhorn@nsf.gov

**van Houten C J**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 2727  
① 31 71 527 5819

**van Houten-Groeneveld I**  
Leiden Observ  
Box 9513  
NL 2300 RA Leiden  
Netherlands  
☎ 31 71 527 2727  
① 31 71 527 5819

**van Hoven Gerard**  
Univ of California  
158 Sunny Cove  
Santa Cruz CA 95062  
USA

**van Langevelde Huib Jan**  
JIVE  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 521 59 5220  
① 31 52 159 7332  
✉ huib@jive.nfra.nl

**van Leeuwen Floor**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 765  
① 44 12 23 374 700

**van Moorsel Gustaaf**  
NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 835 7396  
① 1 505 835 7027  
✉ gvanmoor@nrao.edu

**van Nieuwkoop JIR**  
Prinsesselaan 12  
NL 7316 CN Apeldoorn  
Netherlands

**van Paradis Johannes**  
Astronomical Institute  
Univ of Amsterdam  
Kruislaan 403  
NL 1098 SJ Amsterdam  
Netherlands  
☎ 31 20 525 7491  
① 31 20 525 7484  
✉ jvp@astro.uva.nl

**van Regemorter Henri**  
Observ Paris Meudon  
DAMAP  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7444  
① 33 1 45 07 7971

**van Rensbergen Walter**  
Astrofysisch Inst  
Vrije Univ Brussel  
Pleinlaan 2  
B 1050 Brussels  
Belgium  
☎ 32 2 629 3497  
① 32 2 629 3424  
✉ wvanrens@vnet3.vub.ac.be

**van Ripper Kenneth A**  
Box 4729  
Los Alamos NM 87544  
USA  
☎ 1 505 672 1105  
✉ kvr@rt66.com

**van Santvoort Jacques**  
Dpt Astrophysique  
Univ Mons Hainaut  
Pl du Parc 20  
B 7000 Mons  
Belgium  
☎ 32 65 373 727  
① 32 65 373 054  
✉ jvs@umh.ac.be

**van Speybroeck Leon P**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7233  
① 1 617 495 7356  
✉ lvs@cfa.harvard.edu

**van Winckel Hans**  
Inst v Sterrenkunde  
Katholieke Univ Leuven  
Celestijnenlaan 200B  
B 3001 Heverlee  
Belgium  
☎ 32 16 327 039  
① 32 16 32 7999  
✉ hans.vanwinckel@ster.kuleuven.ac.be

**van Woerden Hugo**  
Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073/4066  
① 31 50 363 6100  
✉ secr@astro.rug.nl

**van't Veer-Menneret Claude**  
Observ Paris  
DASGAL  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2249  
① 33 1 45 07 7878

**van't-Veer Frans**  
IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8048  
① 33 1 44 32 8001

**Vandas Marek**  
Astronomical Institute  
Czech Acad Sci  
Bocni II 1401  
CZ 141 31 Praha 4  
Czech R  
☎ 420 2 67 10 3061  
① 420 2 76 90 23  
✉ vandas@ig.cas.cz

**Vanden Bout Paul A**  
NRAO  
520 Edgemont Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 296 0241  
① 1 804 296 0385  
✉ pvandenb@nrao.edu

**Vandenberg Don**  
Physics Dpt  
Univ of Victoria  
Box 1700  
Victoria BC V8W 2Y2  
Canada  
☎ 1 250 721 7739  
① 1 250 721 7715  
✉ davb@uvvm.uvic.ca

**Vandervoort Peter O**  
Astronomy/Astrophys Ctr  
Univ of Chicago  
5640 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 962 8209  
① 1 312 702 8212

**Vapillon Loic J**  
Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7623  
① 33 1 45 07 7971

**Vardanian R A**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
① 374 88 52 52 3640

**Vardavas Ilias Mihail**  
Physics Dpt  
Univ of Crete  
Box 1527  
GR 711 11 Iraklion  
Greece  
☎ 30 81 23 6589  
① 30 81 23 9735

**Vardya M S**  
Seven Bunglows 502 Vignyanshila  
Juhu-Versova Link Rd  
Mumbai 400 061  
India

**Varma Ram Kumar**  
PRL  
Navrangpura  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
① 91 272 44 5292

**Varshalovich Dimitrij**  
Ioffe Physical Tech Inst  
Acad Sciences  
Polytechnicheskaya Ul 26  
194021 St Petersburg  
Russia  
☎ 7 812 247 2255  
① 7 812 247 1017

**Varvoglis H**  
Astronomy Lab  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 8024  
① 30 31 99 5384  
✉ varvogli@astro.auth.gr

**Vashkov'Yak Sof-Ya N**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 139 3764  
① 7 095 939 0126

**Vasileva Galina J**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
① 7 812 315 1701

**Vass Gheorghe**  
Astronomical Institute  
Romanian Acad Sciences  
Cutilul de Argint 5  
RO 75212 Bucharest  
Rumania  
☎ 40 1 641 3686  
① 40 1 312 3391  
✉ ghevass@roean

**Vassiliev Nikolay N**  
Inst Theoret Astron  
Acad Sciences  
10 Nab Kutuzova  
191187 St Petersburg  
Russia  
☎ 7 812 275 4413  
☎ 7 812 272 7968  
✉ vasiliev@ita.spb.su

**Vasu-Mallik Sushma**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 356 9179/9180  
☎ 91 80 553 4043

**Vats Hari OM**  
PRL  
Navrangpuva  
Ahmedabad 380 009  
India  
☎ 91 272 46 2129  
☎ 91 272 44 5292  
✉ ips@prl.ernet.in

**Vauclair Gerard P**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
☎ 33 5 61 27 3179

**Vauclair Sylvie D**  
OMP  
14 Av E Belin  
F 31400 Toulouse Cdx  
France  
☎ 33 5 61 25 2101  
☎ 33 5 61 27 3179

**Vaughan Alan**  
School Maths/Physics  
Computing/ Electron  
Macquarie Univ  
Macquarie 2109  
Australia  
☎ 61 28 058 904  
☎ 61 2 805 8983  
✉ alan@macastro.mpcs.  
mq.oz.au

**Vaughan Arthur H**  
Perkin Elmer Corp  
7421 Orangewood Av  
Garden Grove CA 92641  
USA  
☎ 1 714 895 1667

**Vauglin Isabelle**  
Observ Lyon  
Av Ch Andre  
F 69561 S Genis Laval cdx  
France  
☎ 33 4 72 39 9098  
☎ 33 4 72 39 9791  
✉ vauglin@castor.univ-  
lyon1.fr

**Vavrova Zdenka**  
Na Kopecku 346 II  
CZ 379 01 Trebon  
Czech R  
☎ 420 333 2779

**Vaz Luiz Paulo Ribeiro**  
Physics Dpt  
UFMG  
CP 702  
30161 Belo Horizonte MG  
Brazil  
☎ 55 314 41 2541  
☎ 55 314 49 5649  
✉ lpv@fisica.ufmg.br  
luiz@astro.ku.dk

**Vazquez Manuel**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 232 9100  
☎ 34 2 232 9117

**Vazquez Ruben Angel**  
Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
☎ 54 21 211 761  
✉ rvazquez@fcaglp.edu.ar

**Vazquez-Semadeni Enrique**  
Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
☎ 52 5 616 0653  
✉ enro@astroscu.unam.mx

**Veck Nicholas**  
Marconi Res Centre  
West Hanningfield Rd  
Gt Baddow  
Chelmsford Essex CM2 8HN  
UK  
☎ 44 12 45 733 31  
☎ 44 12 457 5244

**Vedel Henrik**  
Theoretical Astrophysics Centre  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5903  
☎ 45 35 32 5910  
✉ vedei@tac.dk

**Veeder Glenn J**  
CALTECH/JPL  
MS 183 501  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 213 354 7388  
☎ 1 818 393 6030

**Vega E Irene**  
Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
☎ 54 21 211 761

**Veiga Carlos Henrique**  
CNPq  
r Gl Jose Cristiano 77  
21041 000 Rio de Janeiro  
Brazil  
☎ 55 21 589 2955  
☎ 55 21 589 8972  
✉ cave@on.br

**Veillet Christian**  
CFHT Corp  
Box 1597  
Kamuela HI 96743  
USA  
☎ 1 808 885 3161  
☎ 1 808 885 7288  
✉ veillet@cfht.hawaii.edu

**Veilleux Sylvain**  
Astronomy Dpt  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 0282  
☎ 1 301 314 9067  
✉ veilleux@astro.umd.edu

**Veis George**  
Geodesy Lab  
Ntl Techn Univ  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414  
☎ 30 1 723 5122

**Veismann Uno**  
Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia  
☎ 372 7 416 625  
☎ 372 7 410 205

**Vekstein Gregory**  
Physics Dpt  
UMIST  
Box 88  
Manchester M60 1QD  
UK  
☎ 44 161 200 3913  
☎ 44 161 200 3669  
✉ grigory.vekstein@umist.  
ac.uk

**Velkov Kiril**  
Astronomy Dpt  
Bulgarian Acad Sci  
72 Lenin Blvd  
BG 1784 Sofia  
Bulgaria  
☎ 359 2 75 8927  
☎ 359 2 75 5019

**Velli Marco**  
Dpt Astronomia  
Univ d Firenze  
Largo E Fermi 5  
I 50125 Firenze  
Italy  
☎ 39 55 27 521  
☎ 39 55 22 0039

**Velli Marco**  
Observ Paris Meudon  
DESPA  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7659  
☎ 33 1 45 07 2806  
✉ velli@obspm.fr

**Velusamy T**  
CALTECH/JPL  
MS 169 506  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 6112  
☎ 1 818 354 8895  
✉ velu@kuiper.jpl.nasa.gov

**Venkatakrisnan P**  
IIA  
Koramangala  
Sarjapur Rd  
Bangalore 560 034  
India  
☎ 91 80 553 0672\*263  
☎ 91 80 553 4043  
✉ pvk@iiap.ernet.in

**Venkatesan Doraswamy**  
Physics Dpt  
Univ of Calgary  
2500 University Dr NW  
Calgary AB T2N 1N4  
Canada  
☎ 1 403 2205389/3689  
☎ 1 403 289 3331

**Vennik Jaan**  
Tartu Observ  
Estonian Acad Sci  
Toravere  
EE 2444 Tartumaa  
Estonia  
☎ 372 7 410 274  
☎ 372 7 410 205  
✉ vennik@aaai.ee

**Ventura Joseph**  
Physics Dpt  
Univ of Crete  
Box 2208  
GR 710 03 Heraklion  
Greece  
☎ 30 81 394 216  
☎ 30 81 394 201  
✉ ventura@physics.ucl.ac.uk

**Ventura Rita**  
Observ Astronomico  
d Catania  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 2258  
☎ 39 95 33 0592  
✉ rventura@astret.ct.astro.it

**Venturi Tiziana**  
Istt Radioastronomia  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9385  
☎ 39 51 639 9431  
✉ tventuri@astbol.bo.cnr.it



**Venugopal V R**

TIFR/Radio Astronomy Ctr  
Box 8  
Udhagamandalam 643 001  
India  
☎ 91 423 2651/2032

**Verbeek Paul**

Toegepaste Wiskunde Inf  
Universiteit Gent  
Krijgslaan 281 S9  
B 9000 Gent  
Belgium  
☎ 32 9 264 4763  
① 32 9 264 4995

**Verbunt Franciscus**

Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5207  
① 31 30 253 1601  
✉ f.w.m.verbunt@astro.uu.nl

**Verdes-Montenegro Lourdes**

Inst Astrofisica  
Andalucia Apt 3004  
Prof Albareda 1  
E 18080 Granada  
Spain  
☎ 34 5 812 1311  
① 34 5 881 4530  
✉ lourdes@iaa.es

**Verdet Jean-Pierre**

Observ Paris  
DANOF  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2206  
① 33 1 44 54 1804

**Veres Ferenc**

Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
① 36 1 275 4668

**Vereshchagin Sergei V**

Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 592 1207  
① 7 095 230 2081

**Vergez Madeleine**

OMP  
9 r Pont de La mouette  
F 65200 Bagnères Bigorre  
France  
☎ 33 5 62 95 1969  
① 33 3 88 25 0160

**Vergnano A**

Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9000  
① 39 11 461 9030

**Vergne Maria Marcela**

Observ Astronomico  
Paseo d Bosque S/n  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
① 54 21 254 985  
✉ mvergne@fcaglp.edu.ar

**Verheest Frank**

Sterrekundig Observ  
Universiteit Gent  
Krijgslaan 281 S9  
B 9000 Gent  
Belgium  
☎ 32 9 264 4799  
① 32 9 264 4989  
✉ frank.verheest@rug.ac.be

**Verkhodanov Oleg**

SAO  
Acad Sciences  
Nizhnij Arkhyz  
357147 Karachaevo  
Russia  
☎ 7 878 784 4749  
① 7 96 908 2861  
✉ vo@sao.ru

**Verma R P**

TIFR  
Homi Bhabha Rd  
Colaba  
Bombay 400 005  
India  
☎ 91 22 219 111  
① 91 22 495 2110  
✉ vermarp@tifrvax.tifr.res.in

**Verma Satya Dev**

Dpt Physics/Space Sci  
Univ School of Sci  
Gujarat Univ  
Ahmedabad 380 009  
India  
☎ 91 272 44 0920

**Verma V K**

Uttar Pradesh State  
Observ  
Po Manora Peak 263 129  
Nainital 263 129  
India  
☎ 91 59 42 2136

**Vermeulen Rene Cornelis**

NFRA  
Postbus 2  
NL 7990 AA Dwingeloo  
Netherlands  
☎ 31 521 59 5262  
① 31 52 159 7332  
✉ rcv@nfra.nl

**Verniani Franco**

Istt d Fisica  
Univ d Bologna  
Via Imerio 46  
I 40126 Bologna  
Italy  
☎ 39 51 26 0991

**Veron Marie-Paule**

OHP  
F 04870 S Michel Obs  
France  
☎ 33 4 92 76 6368  
① 33 4 92 76 6295

**Veron Philippe**

OHP  
F 04870 S Michel Obs  
France  
☎ 33 4 92 76 6368  
① 33 4 92 76 6295

**Verschuereen Werner**

Astrophysics Res Gp  
Univ Ctr Antwerpen  
Groenenborgerlaan 171  
B 2020 Antwerpen  
Belgium  
☎ 32 3 218 0356  
① 32 3 218 0204  
✉ verschue@ruca.ua.ac.be

**Verschuur Gerrit L**

4125 Yellow Cedar Cove  
Lakeland TN 38002  
USA  
☎ 1 901 372 5932  
✉ verschuur@aol.com

**Verter Frances**

NASA GSFC  
Code 685  
Greenbelt MD 20771  
USA  
☎ 1 301 286 7860

**Vesecky J F**

Radar Astronomy Inst  
Stanford Univ  
233 Durand  
Stanford CA 94305 4035  
USA  
☎ 1 415 723 1435  
① 1 415 723 4840

**Vetesnik Miroslav**

Dpt Th Phys/Astrophys  
Masaryk Univ  
Kotlarska 2  
CZ 611 37 Brno  
Czech R  
☎ 420 5 4112 9481  
① 420 5 4121 1214  
✉ vetesnik@astro.sci.muni.cz

**Vettolani Giampaolo**

Istt Radioastronomia  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9385  
① 39 51 639 9385

**Veverka Joseph**

Astronomy Dpt  
Cornell Univ  
512 Space Sc Bldg  
Ithaca NY 14853 6801  
USA  
☎ 1 607 256 3507  
① 1 607 255 1767

**Vial Jean-Claude**

IAS  
Bt 121  
Universite Paris XI  
F 91405 Orsay Cdx  
France  
☎ 33 1 69 85 8631  
① 33 1 69 85 8675  
✉ vial@iaslab.ias.fr

**Viala Yves**

Observ Paris  
DEMIRM  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2116  
① 33 1 40 51 2002

**Viallefond Francois**

Observ Paris  
DEMIRM  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 40 51 2116  
① 33 1 40 51 2002

**Vicente Raimundo O**

R Mestre Aviv 30 R/C  
P 1495 Lisboa  
Portugal  
☎ 351 1 211 2666

**Vidal Jean-Louis**

GRAAL  
Univ Montpellier II  
Pl E Bataillon  
F 34095 Montpellier Cdx 5  
France  
☎ 33 4 67 14 3901  
① 33 4 67 14 4535  
✉ vidal@graal.univ-montp2.fr

**Vidal Nissim V**

Inst Sci/Techn  
92 Bayit Vegan St  
Jerusalem 96427  
Israel  
☎ 972 2 413 411  
① 972 2 430040

**Vidal-Madjar Alfred**

IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8073  
① 33 1 44 32 8001

**Viegas Aldrovandi S M**

IAG  
Univ Sao Paulo  
CP 9638  
01065 970 Sao Paulo SP  
Brazil  
☎ 55 11 577 8599  
① 55 11 276 3848  
✉ viegas@vax.iagusp.usp.br

**Vieira Martins Roberto**  
 Observ Nacional  
 Rua Gl Bruce 586  
 Sao Cristovao  
 20921 030 Rio de Janeiro RJ  
 Brazil

☎ 55 21 580 7313  
 ☎ 55 21 580 0332

**Vienne Alain**

Laboratoire Astronomie  
 Universite Lille  
 1 Impasse Observatoire  
 F 59000 Lille  
 France

☎ 33 3 20 52 4424  
 ☎ 33 3 20 58 0328  
 ✉ vienne@gat.uni-lille1.fr

**Vietri Mario**

Dpt Fisica E Amaldi  
 Universita d Roma 3  
 via Vasca Navale 84  
 I 00147 Roma  
 Italy

☎ 39 6 551 77025  
 ☎ 39 6 557 9303  
 ✉ vietri@corelli.fis.uniroma3.it

**Vigier Jean-Pierre**

Institut H Poincare  
 11 r P/M curie  
 F 75005 Paris  
 France

**Vigotti Mario**

Istt Radioastronomia  
 CNR  
 Via P Gobetti 101  
 I 40129 Bologna  
 Italy

☎ 39 51 639 9385  
 ☎ 39 51 639 9385

**Vigroux Laurent**

Service Astrophysique  
 CEA Saclay  
 Orme d Merisiers Bt 709  
 F 91190 Gif s Yvette Cdx  
 France

☎ 33 1 69 08 3912  
 ☎ 33 1 69 08 6577  
 ✉ lvigroux@cea.fr

**Viik Tonu**

Taru Observ  
 Estonian Acad Sci  
 Toravere  
 EE 2444 Tartumaa  
 Estonia

☎ 372 3 410 265  
 ☎ 372 7 410 205  
 ✉ viik@jupiter.aai.ee

**Vila Samuel C**

Dr Ulles 184  
 E 03224 Tarrasa (brna)  
 Spain

☎ 34 3 788 0310

**Vilas Faith**

NASA/JSC  
 Code SN3  
 Houston TX 77058  
 USA

☎ 1 713 483 5056  
 ☎ 1 713 483 5347

**Vilas-Boas Jose W**

CRAAE INPE  
 EPUSP/PTR  
 CP 61548  
 01065 970 Sao Paulo SP  
 Brazil

☎ 55 11 815 5936  
 ☎ 55 11 815 6289  
 ✉ jwdsvbao@brusp

**Vilchez Medina Jose M**

IAC  
 Observ d Teide  
 via Lactea s/n  
 E 38200 La Laguna  
 Spain

☎ 34 2 232 9100  
 ☎ 34 2 232 9117

**Vilhena De Moraes R**

INPE  
 Dpt Astronomia  
 CP 515  
 12227 010 S Jose dos Campos  
 Brazil

☎ 55 123 22 9088  
 ☎ 55 123 21 8743

**Vilhu Osmi**

Helsinki Univ  
 Observ  
 Box 14  
 FIN 00014 Helsinki  
 Finland

☎ 358 19 12 2801  
 ☎ 358 19 12 2952  
 ✉ osmi.vilhu@hesinki.fi

**Vilkkki Erkki U**

4 Parc La Londe  
 F 76130 Mont S Aignan  
 France

☎ 33 2 35 71 3562

**Vilkovskij Emmanuil Y**

Astrophys Inst  
 Kazakh Acad Sci  
 480068 Alma Ata  
 Kazakhstan  
 ☎ 7 62 4040

**Villada Monica Maria**

Observ Astronomico  
 de Cordoba  
 Laprida 854  
 5000 Cordoba  
 Argentina

☎ 54 51 230 491  
 ☎ 54 51 21 0613  
 ✉ villada@uncbob.edu.ar

**Villela Thyro Neto**

INPE  
 Dpt Astronomia  
 CP 515  
 12227 010 S Jose dos Campos  
 Brazil

☎ 55 123 41 8977\*278  
 ☎ 55 123 21 8743

**Vilmer Nicole**

Observ Paris Meudon  
 DASOP  
 Pl J Janssen  
 F 92195 Meudon PPL Cdx  
 France

☎ 33 1 45 07 7806  
 ☎ 33 1 45 07 7959

**Vince Istvan**

Astronomical Observ  
 Volgina 7  
 11050 Beograd  
 Yugoslavia FR

☎ 381 1 419 357/421 875  
 ☎ 381 1 419 553  
 ✉ ivince@aob.aob.bg.ac.yu

**Vinko Jozsef**

Optics Dpt  
 Jate Univ  
 Dom ter 9  
 H 6720 Szeged  
 Hungary

☎ 36 6 231 1622  
 ☎ 36 3 631 1154

**Vinluan Renato**

Univ of Southern  
 Philippines  
 Obrero Davao City 9501  
 Philippines

**Vinod S Krishan**

IIA  
 Koramangala  
 Sarjapur Rd  
 Bangalore 560 034  
 India

☎ 91 80 356 6585/6497  
 ☎ 91 80 553 4043

**Viotti Roberto**

IAS  
 Area d Ricerca CNR  
 Via Fosso Cavaliere 100  
 I 00133 Roma  
 Italy

☎ 39 6 4993 4473  
 ☎ 39 6 2066 0188  
 ✉ viotti@irmias

**Virgopia Nicola**

Dpt Matematica  
 Univ d Roma La Sapienza  
 Citta Universitaria  
 I 00185 Roma  
 Italy

☎ 39 6 44 03734

**Vishniac Ethan T**

Astronomy Dpt  
 Univ of Texas  
 Rlm 15 308  
 Austin TX 78712 1083  
 USA

☎ 1 512 471 1429  
 ☎ 1 512 471 6016

**Vishveshwara C V**

RRI  
 Sadashivanagar  
 CV Raman Av  
 Bangalore 560 080  
 India

☎ 91 80 336 0122  
 ☎ 91 80 334 0492

**Visvanathan Natarajan**

MSSSO  
 Weston Creek  
 Private Bag  
 Canberra ACT 2611  
 Australia

☎ 61 262 881 111  
 ☎ 61 262 490 233  
 ✉ vis@mso.anu.edu.au

**Vitinskij Yuriy I**

Pulkovo Observ  
 Acad Sciences  
 10 Kutuzov Quay  
 196140 St Petersburg  
 Russia

☎ 7 812 298 2242  
 ☎ 7 812 315 1701

**Viton Maurice**

LAS  
 Traverse du Siphon  
 Les Trois Lucs  
 F 13376 Marseille Cdx 12  
 France

☎ 33 4 91 05 5900  
 ☎ 33 4 91 66 1855  
 ✉ viton@frlasm51

**Vittone Alberto Angelo**

Osserv d Capodimonte  
 Via Moiraiello 16  
 I 80131 Napoli  
 Italy

☎ 39 81 44 0101  
 ☎ 39 81 45 6710

**Vittorio Nicola**

Istt Astronomico  
 Univ d Roma La Sapienza  
 Via G M Lancisi 29  
 I 00161 Roma  
 Italy

☎ 39 6 44 03734  
 ☎ 39 6 44 03673

**Vityazev Andrei**

Inst Dynamics Geosp  
 Acad Sciences  
 Leninsky Pr 38 bld 6  
 117979 Moscow  
 Russia

☎ 7 095 939 7516  
 ☎ 7 095 137 6511  
 ✉ avit@orig.ipg.msk.ru

**Vityazev Veniamin V**

Astronomical Observ  
 St Petersburg Univ  
 Bibliotchnaja Pl 2  
 198904 St Petersburg  
 Russia

☎ 7 812 428 7129  
 ☎ 7 812 428 4259

**Vivekanand M**

RRI  
 Sadashivanagar  
 CV Raman Av  
 Bangalore 560 080  
 India

☎ 91 80 336 0122  
 ☎ 91 80 334 0492

**Vivekananda Rao**  
CASA  
Univ of Osmania  
Hyderabad 500 007  
India  
☎ 91 868951\*247

**Vives Teodoro Jose**  
Ctr Astron Hispano Aleman  
Reina 66 9b  
Apt C 511  
E 04002 Almeria  
Spain  
☎ 34 5 023 0988

**Vlachos Demetrius G**  
Dpt Geodesy/Astron  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 1520

**Vladilo Gianpaoli**  
OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 31 99255  
☎ 39 40 30 9418

**Vladimirov Simeon**  
Astronomical Observ  
Bulgarian Acad Sci  
Box 15  
BG 1309 Sofia  
Bulgaria  
☎ 359 2 75 8927

**Vlahos Loukas**  
Astronomy Lab  
Univ Thessaloniki  
GR 540 06 Thessaloniki  
Greece  
☎ 30 31 99 1357

**Voelk Heinrich J**  
MPI Kernphysik  
Postfach 103 980  
D 69029 Heidelberg  
Germany  
☎ 49 622 151 6295  
☎ 49 622 151 5640

**Vogel Manfred**  
Inst Astronomie  
ETH Zentrum  
CH 8092 Zuerich  
Switzerland  
☎ 41 1 632 3806  
☎ 41 1 262 0003  
✉ vogel@czhethsa

**Vogel Stuart Newcombe**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 1543  
☎ 1 301 314 9067

**Voglis Nikos**  
Astrophysics Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414  
☎ 30 1 723 5122

**Vogt Nikolaus**  
Luckengasse 26  
D 86720 Noedlingen  
Germany  
✉ nikolaus.vogt@t-online.de

**Vogt Steven Scott**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 429 2844  
☎ 1 831 426 3115

**Voigt Hans H**  
Charlottenburger Str 19  
D 37070 Goettingen  
Germany

**Vokrouhlicky David**  
Astronomical Institute  
Charles Univ  
V Holesovickack 2  
CZ 180 00 Praha 8  
Czech R  
☎ 420 2 2191 2572  
☎ 420 2 688 5095  
✉ vokrouhl@mbox.cesnet.cz

**Volk Kevin**  
Dpt Phys/Astronomy  
Univ of Calgary  
2500 University Dr NW  
Calgary AB T2N 1N4  
Canada  
☎ 1 403 931 2366  
☎ 1 403 289 3331

**Volland H'**  
Astronomisches Institut  
Univ Bonn  
auf d Huegel 71  
D 53121 Bonn  
Germany  
☎ 49 228 73 3674  
☎ 49 228 73 3672

**Volonte Sergio**  
ESA  
8 10 r Mario Nikis  
F 75738 Paris Cdx 15  
France  
☎ 33 1 53 69 7654  
☎ 33 1 53 69 7236

**Volyanskaya Margarita Yu**  
Astronomy Dpt  
Odessa State Univ  
Schechenko Park  
270014 Odessa  
Ukraine  
☎ 380 4822 28442  
☎ 380 4822 28442  
✉ root@astro.odessa.ua

**von Appen-Schnur Gerhard F O**  
Astronomisches Institut  
Ruhr Univ Bochum  
Postfach 102148  
D 44780 Bochum  
Germany  
☎ 49 234 700 4584  
☎ 49 234 709 4169  
✉ gfo.von-appen-schnur@astro.ruhr-uni-bochum.de

**von Borzeszkowski H H**  
Einstein Laboratorium  
Telegrafenberg  
Rosa Luxemburg Str 17a  
D 14473 Potsdam  
Germany  
☎ 49 331 275 3731

**von der Luehe Oskar**  
Kiepenheuer Institut  
f Sonnenphysik  
Schoneckstr 6  
D 79104 Freiburg Breisgau  
Germany  
☎ 49 761 319 80  
☎ 49 761 8111  
✉ ovdluhe@kis.uni-freiburg.de

**von Hippel Theodore A**  
NOAO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 510 318 8142  
☎ 1 510 318 8360  
✉ ted@noao.edu

**von Hoerner Sebastian**  
Krummenackerstr 186  
D 73000 Esslingen  
Germany

**von Montigny Corinna**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9223  
☎ 49 622 150 9202  
✉ cvmontig@lsw.uni-heidelberg.de

**von Steiger Rudolf**  
ISSI  
Hallerstr 6  
CH 3012 Bern  
Switzerland  
☎ 41 31 631 4890  
☎ 41 31 631 4897  
✉ vsteiger@phim.unibe.ch

**von Weizsaecker C F**  
Maximilianstr 15  
D 8130 Starnberg  
Germany

**Vondrak Jan**  
Astronomical Institute  
Czech Acad Sci  
Bočni II 1401  
CZ 141 31 Praha 4  
Czech R  
☎ 420 2 67 10 3043  
☎ 420 2 76 90 23  
✉ vondrak@ig.cas.cz

**Voroshilov V I**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
☎ 380 4426 62147

**Vorpahl Joan A**  
748 23rd St  
Santa Monica CA 90402  
USA

**Voshchinnikov Nicolai**  
Astronomical Observ  
St Petersburg Univ  
Bibliotchnaja Pl 2  
198904 St Petersburg  
Russia  
☎ 7 812 428 4162  
☎ 7 812 428 4259

**Vrba Frederick J**  
USNO  
Flagstaff Station  
Box 1149  
Flagstaff AZ 86002 1149  
USA  
☎ 1 602 779 5132  
☎ 1 520 774 3626  
✉ fjv@nofs.navy.mil

**Vreux Jean Marie**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
☎ 32 4 254 7511  
✉ vreux@astro.ulg.ac.be

**Vrsnak Bojan**  
Hvar Observ  
Fac Geodesy  
Kacicjeva 26  
HR 10000 Zagreb  
Croatia  
☎ 385 1 442 600\*335  
☎ 385 1 445 410  
✉ bojan.vrsnak@uni-fg.ac.mail.yu

**Vrtilek Jan M**  
CFA  
HCO/SAO MS 3  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7127  
☎ 1 617 495 7356  
✉ jvrtilek@cfa.harvard.edu

**Vrtilek Saeqa Dil**  
CfA  
HCO/SAO MS 83  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7094  
☎ 1 617 496 7577  
✉ svrtilek@cfa.harvard.edu

**Vu Duong Tuyen**  
BDL  
77 Av Denfert Rochereau  
F 75014 Paris  
France  
☎ 33 1 45 07 2262  
☎ 33 1 46 33 2834

**Vucetich Hector**  
Univ Nacional La Plata  
Dpt Fisica  
CC 67  
1900 La Plata (Bs As)  
Argentina  
☎ 54 21 217 308  
☎ 54 21 252 006

**Vuillemin Andre**  
LAS  
Traverse du Siphon  
Les Trois Lucs  
F 13376 Marseille Cdx 12  
France  
☎ 33 4 91 05 5900  
☎ 33 4 91 66 1855  
✉ andre@frlasm51

**Vujnovic Vladis**  
Inst of Physics  
Univ of Zagreb  
Box 304  
HR 10000 Zagreb  
Croatia  
☎ 385 1 271 211

**Vukicevic K M**  
Astronomy Dpt  
Univ of Belgrade  
Studentski Trg 16  
11000 Beograd  
Yugoslavia FR  
☎ 381 11 638 715  
☎ 381 11 630 151

**Vyalshin Gennadij F**  
Pulkovo Observ  
Acad Sciences  
10 Kunuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 298 2242  
☎ 7 812 315 1701

**Vyuktilova Marie**  
Marsovice 47  
CZ 592 31 Nove Mesto N.M.  
Czech R  
☎ 420 616 916 304

## W

**Wachlin Felipe Carlos**  
Observ Astronomico  
Paseo d Bosque s/n  
1900 La PLata (Bs As)  
Argentina

☎ 54 21 258 985  
☎ 54 21 258 985  
✉ fcw@fcaglp.fcaglp.unlp.edu.ar

**Wada Keiichi**  
NAOJ

Osawa 2-21-2  
Mitaka 181 0015  
Japan  
☎ 81 422 34 3632  
☎ 81 422 34 3746  
✉ wada@th.nao.ac.jp

**Waddington C Jake**  
School Phys/Astronomy  
Univ Minnesota  
116 Church St SE  
Minneapolis MN 55455  
USA

☎ 1 612 624 2566  
☎ 1 612 624 2029  
✉ wadd@physics.spa.umn.edu

**Wade Richard Alan**  
Astronomy Dpt  
Pennsylvania State Univ  
525 Davey Lab  
University Park PA 16802  
USA

☎ 1 814 865 3631  
☎ 1 814 863 7114  
✉ wade@astro.psu.edu

**Waelkens Christoffel**  
Inst v Sterrenkunde  
Katholieke Univ Leuven  
Celestijnenlaan 200B  
B 3001 Heverlee  
Belgium

☎ 32 16 32 7036  
☎ 32 16 32 7999  
✉ christoffel@ster.kuleuven.ac.be

**Wagner Raymond L**  
Rockwell Intl  
Box 3105

MS 031 BA06  
Anaheim CA 92803 3105  
USA  
☎ 1 714 762 1754  
☎ 1 714 762 2007  
✉ raymond\_l\_wagner@ccmail.anatcp.rockwell.com

**Wagner Robert M**  
Lowell Observ  
1400 W Mars Hill Rd  
Box 1149  
Flagstaff AZ 86001  
USA

☎ 1 602 779 0106  
☎ 1 520 774 3358

**Wagner Stefan**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany

☎ 49 622 150 9212  
☎ 49 622 150 9202  
✉ swagner@mail.lsw.uni-heidelberg.de

**Wagner William J**  
NASA Headquarters  
Code SS  
Space Physics Div  
Washington DC 20546  
USA

**Wagoner Robert V**  
Stanford Univ  
Varian Physics Bldg  
Stanford CA 94305  
USA  
☎ 1 415 723 4561

**Wahlgren Glenn Michael**  
Physics Dpt  
Univ of Lund  
Soelvegatan 14  
S 223 62 Lund  
Sweden

☎ 46 46 222 4874  
☎ 46 46 222 4709  
✉ spek\_glenn@garbo.lucas.lu.se

**Wainwright John**  
Applied Maths Dpt  
Univ Waterloo  
Waterloo ON N2L 3G1  
Canada

☎ 1 519 885 1211  
☎ 1 519 746 6530  
✉ jwainwright@math.uwaterloo.ca

**Wakamatsu Ken-ichi**  
Fac of Eng  
Gifu Univ  
1 1 Yanagito  
Gifu 501 1193  
Japan

☎ 81 582 30 1111

**Wakker Bastiaan Pieter**  
Astronomy Dpt  
Univ Wisconsin  
475 N Charter St  
Madison WI 53706 1582  
USA

☎ 1 605 263 6589  
☎ 1 605 263 0361  
✉ wakker@astro.wisc.edu

**Wako Kojiro**  
Intl Latitude Observ  
NAOJ  
Hoshigaoka Mizusawa Shi  
Iwate 023  
Japan

☎ 81 197 24 7111  
☎ 81 197 22 7120

**Walborn Nolan R**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA

☎ 1 301 338 4915  
☎ 1 301 338 4767  
✉ walborn@stsci.edu

**Walch Jean-Jacques**  
OCA  
CERGA  
F 06130 Grasse  
France

☎ 33 4 93 36 5849  
☎ 33 4 93 40 5353

**Walder Rolf**

Inst Astronomie  
ETH Zentrum  
CH 8092 Zuerich  
Switzerland

☎ 41 1 632 4217  
☎ 41 1 632 4105  
✉ walder@astro.phys.ethz.ch

**Waldhausen Silvia**  
Observ Astronomico  
Paseo d Bosque S/n  
1900 La PLata (Bs As)  
Argentina

☎ 54 21 217 308  
☎ 54 21 258 985  
✉ silvia@fcaglp.fcaglp.unlp.edu.ar

**Waldmeier Max**  
Swiss Federal Observ  
Wirzenweid 15  
CH 8053 Zuerich  
Switzerland  
☎ 41 1 381 6242

**Walker Alistair Robin**  
NOAO  
CTIO  
Casilla 603  
La Serena  
Chile

☎ 56 51 22 5415  
☎ 56 51 20 5342  
✉ awalker@noao.edu

**Walker Alta Sharon**  
Box 1101  
McLean VA 22101  
USA

☎ 1 703 428 7236  
☎ 1 703 428 6070  
✉ flexus@erols.com

**Walker David Douglas**

Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK

☎ 44 171 387 7050\*3510  
☎ 44 171 380 7145  
✉ ddw@uk.ac.ulc.startlink

**Walker Edward N**

Deudreys Cott Old Rd  
Hailsham  
East Sussex BN27 1PU  
UK

**Walker Gordon A H**  
Dpt Geophys/Astronomy  
UBC

2075 Wesbrook Pl  
Vancouver BC V6T 1W5  
Canada  
☎ 1 604 228 4133  
☎ 1 604 228 6047  
✉ walker@astro.ubc.ca

**Walker Helen J**

Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 821 900  
☎ 44 12 35 445 808

**Walker Ian Walter**

Astronomy Dpt  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855  
☎ 44 141 334 9029

**Walker Merle F**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 429 2526  
① 1 831 426 3115

**Walker Richard L**  
USNO  
Flagstaff Station  
Box 1149  
Flagstaff AZ 86002 1149  
USA  
☎ 1 502 779 5132  
① 1 520 774 3626  
✉ wak@nofs.navy.mil

**Walker Robert C**  
NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 835 7247  
① 1 505 835 7027

**Walker Robert M A**  
Physics Dpt  
Washington Univ  
Campus Box 1105  
St Louis MO 63130  
USA  
☎ 1 314 889 6225  
① 1 314 935 4083

**Walker William S G**  
Box 173  
Awanui 0552  
New Zealand  
✉ astronman@voyager.co.nz

**Walker Arthur B C**  
Ctr for Space Sci/  
Astrophysics  
Stanford Univ ERL 310  
Stanford CA 94305 4055  
USA  
☎ 1 415 497 1486  
① 1 415 725 2333

**Wall J W**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
① 44 12 23 374 700

**Wall Jasper V**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 1223 374 000  
① 44 12 23 374 700

**Wallace Lloyd V**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
① 1 520 325 9360

**Wallace Patrick T**  
Rutherford Appleton Lab  
Space/Astrophysics Div  
Bg R25/R68  
Chilton Didcot OX11 0QX  
UK  
☎ 44 12 35 445 472  
① 44 12 35 44 5808  
✉ ptw@star.rl.ac.uk

**Wallace Richard K**  
LANL  
MS B257 X 7  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 5000  
① 1 505 665 4055

**Waller William H**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 5351  
① 1 301 286 1753  
✉ waller@stars.gsfc.nasa.gov

**Wallerstein George**  
Astronomy Dpt  
Univ of Washington  
FM 20  
Seattle WA 98195  
USA  
☎ 1 206 543 2888  
① 1 206 685 0403  
✉ wall@astro.washington.edu

**Wallin John Frederick**  
CSI MS 5C3  
George Mason Univ  
4400 University Dr  
Fairfax VA 22030  
USA  
☎ 1 703 993 3617  
① 1 703 993 1980  
✉ jwallin@gmu.edu

**Wallinder Frederick**  
Univ of Oerebro  
Inst Techn/Science  
S 701 82 Oerebro  
Sweden  
✉ fredrik.wallinder@hoc.se

**Wallis Max K**  
Dpt Applied Maths/Astron  
Univ College  
Box 78  
Cardiff CF1 1XL  
UK  
☎ 44 12 22 442 11

**Walmsley C Malcolm**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 305  
① 49 228 525 229

**Walraven Th**  
Box 98  
9850 Orange Freestate  
South Africa

**Walsh Dennis**  
NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
① 44 147 757 1618  
✉ dw@jb.man.ac.uk

**Walsh Robert**  
School of Mathematics  
Univ of St Andrews  
North Haugh  
St Andrews Fife KY16 9SS  
UK  
☎ 44 1334 76161  
① 44 1334 74487  
✉ robert@dcs.st.and.ac.uk

**Walter Frederick M**  
Dpt Phys/Astronomy  
Astronomy Program  
Sunny at Stony Brook  
Stony Brook NY 11794 3800  
USA  
☎ 1 516 632 8232  
① 1 513 632 8176  
✉ fwalter@astro.sunysb.edu

**Walter Hans G**  
ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 5134  
① 49 622 140 5297  
✉ walter@relay.ari.uni-heidelberg.de

**Walter Roland**  
Observ Geneve  
Chemin d Maillettes 51  
CH 1290 Sauvigny  
Switzerland  
☎ 41 22 755 2611  
① 41 22 755 3983  
✉ roland.walter@obs.unige.ch

**Walterbos Rene A M**  
Astronomy Dpt  
NMSU  
Box 30001 Dpt 4500  
Las Cruces NM 88003  
USA  
☎ 1 505 646 6522  
① 1 505 646 1602  
✉ rwalterb@nmsu.edu

**Walton Nicholas A**  
Royal Greenwich Obs  
Apt 321  
Santa Cruz de La Palma  
E 38780 Santa Cruz  
Spain  
☎ 34 2 240 5500  
① 34 2 240 5646/405 501  
✉ naw@ing.iac.es

**Wambsganss Joachim**  
Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9316  
① 49 331 749 9267  
✉ jwambsganss@aip.de

**Wampler E Joseph**  
418 Walnut Av  
Santa Cruz CA 95060  
USA  
✉ jwampler@eso.org

**Wamsteker Willem**  
ESA  
Apt 50727 Villafranca  
E 28080 Madrid  
Spain  
☎ 34 1 813 1100  
① 34 1 813 1139  
✉ ww@vilspa.esa.es

**Wan Fook Sun**  
Mathematics Dpt  
Ntl Univ Singapore  
Kent Ridge  
Singapore 0511  
Singapore  
☎ 65 772 2742

**Wan Lai**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618  
✉ xytan@fidan.ihep.ac.cn

**Wan Tongshan**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Wanas Mamdouh Ishaac**  
Astronomy Dpt  
Fac of Sciences  
Cairo Univ  
Geza  
Egypt  
☎ 20 2 572 7022  
① 20 2 572 7556  
✉ wanas@frcu.eun.eg

**Wang Chuanjin**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
① 86 25 301 459

**Wang dechang**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 64 6700/4205  
① 86 25 301 459

**Wang Deyu**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 42817/46700  
① 86 25 301 459

**Wang Gang**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 256 9840  
① 86 1 256 10855

**Wang Haimin**

Physics Dpt  
NJ Inst of Technology  
323 High St  
Newark NJ 07102  
USA  
☎ 1 201 596 3562

**Wang Jia-Long**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Wang Jiayi**

Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618  
✉ wangji@center.shao.ac.cn

**Wang Jingsheng**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 31 3738  
① 86 25 30 1459

**Wang Jingxun**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Wang Junjie**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6257 8265  
① 86 1 256 10855  
✉ wangji@bao01.bao.ac.cn

**Wang Keming**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6256 6698  
① 86 1 256 10855

**Wang Lan-Juan**

Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Wang Qingde Daniel**

Dearborn Observ  
NW Univ  
2131 Sheridan Rd  
Evanston IL 60208 3112  
USA  
☎ 1 847 491 6446  
① 1 847 491 3135  
✉ wqd@nwu.edu

**Wang Renchuan**

Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 33 1134  
① 86 551 33 1760

**Wang Shouguan**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 255 1968  
① 86 1 256 10855

**Wang Shui**

Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 33 1134\*209  
① 86 551 33 1760

**Wang Shunde**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 256 1264  
① 86 1 256 10855

**Wang Sichao**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 44205  
① 86 25 301 459

**Wang Tinggui**

Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 33 1134  
① 86 551 331 760

**Wang Ya'nan**

Ctr for Astronomy  
Instrumen Res  
CAS  
Nanjing 210042  
China PR  
☎ 86 25 5411 776  
① 86 25 5411 872

**Wang Yi-ming**

NRL  
Code 4172 W  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 404 8460  
① 1 202 404 7997

**Wang Yiming**

Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
① 86 871 717 1845

**Wang Yong**

Box 846  
Nanjing 210042  
China PR  
☎ 86 25 550 7485  
① 86 25 550 7872  
✉ ylab@bao01.bao.ac.cn

**Wang Zhengming**

Shaanxi Observ  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 33 2255  
① 86 9237 3496

**Wang Zhenru**

Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 37551\*2685  
① 86 25 330 2728  
✉ zrwang@nju.edu.cn

**Wang Zhenyi**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
① 86 25 301 459

**Wang Zhong**

CfA  
HCO/SAO MS 66  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 496 7632  
① 1 617 495 7490  
✉ zwang@cfh.harvard.edu

**Wannier Peter Gregory**

CALTECH/JPL  
MS 169 506  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 3347  
① 1 818 393 6030

**Ward Henry**

Dpt Phys/Astronomy  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855\*4705  
① 44 141 334 9029  
✉ gw10@uk.ac.gla.ph.il

**Ward Martin John**

Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
① 44 12 23 337 523

**Ward Richard A**

LLNL  
L 13  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 415 423 2679  
① 1 415 422 4643  
✉ raward@llnl.gov

**Ward William R**

CALTECH/JPL  
MS 183 501  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 213 351 1321  
① 1 818 393 6030

**Wardle John F C**

Physics Dpt  
Brandeis Univ  
Waltham MA 02154  
USA  
☎ 1 617 647 2889  
① 1 781 736 2915

**Warman Josef**

Instituto Astronomia  
UNAM  
Apt 70 264  
Mexico DF 04510  
Mexico  
☎ 52 5 622 3906  
① 52 5 616 0653

**Warmels Rein Herm**

ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6292  
① 49 893 202 362  
✉ rwarmels@eso.org

**Warner Brian**

Astronomy Dpt  
Univ of Cape Town  
Pricate Bag  
7700 Rondebosch  
South Africa  
☎ 27 21 650 2391  
✉ warner@physci.uct.ac.za

**Warner John W**

Perkin Elmer Corp  
MS 892  
100 Wooster Heights Rd  
Danbury CT 06810 7859  
USA  
☎ 1 203 796 7919

**Warner Peter J**

MRAO  
Cavendish Laboratory  
Madingley Rd  
Cambridge CB3 0HE  
UK  
☎ 44 12 23 337 274  
① 44 12 23 354 599

**Warren Wayne H**  
NASA GSFC  
Code 681  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8701\*5419  
✉ wayne.h.warren.1@gsc.nasa.gov

**Warwick James W**  
Radiophysics Corp  
5475 Western Av  
Boulder CO 80301  
USA  
☎ 1 303 447 9524

**Warwick Robert S**  
Dpt Phys/X-Ray Astron  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 2073  
① 44 116 250 182

**Washimi Haruichi**  
Inst Atmospheric Res  
Nagoya Univ  
3-13 Honohara  
Toyokawa Aichi 442  
Japan  
☎ 81 533 86 3154  
① 81 533 86 0811

**Wasserman Lawrence H**  
Lowell Observ  
1400 W Mars Hill Rd  
Box 1149  
Flagstaff AZ 86001  
USA  
☎ 1 520 774 3358  
① 1 520 774 3358  
✉ lhw@lowell.edu

**Wasson John T**  
Inst Geophys/Planets  
UCLA  
Los Angeles CA 90095 1567  
USA  
☎ 1 310 825 1986  
① 1 310 206 3051

**Watanabe Jun-ichi**  
National Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3644  
① 81 422 34 3810  
✉ owatana@cl.mtk.nao.ac.jp

**Watanabe Noriaki**  
Chiba Univ Commerce  
1 3 1 Konodai  
Ichikawa  
Ishikawa 272  
Japan  
☎ 81 473 72 4111  
① 81 473 75 1105  
✉ watanabe@cuc.ac.jp

**Watanabe Takashi**  
Inst Atmospheric Res  
Nagoya Univ  
3-13 Honohara  
Toyokawa 442  
Japan  
☎ 81 533 86 3154  
① 81 533 86 0811

**Watanabe Tetsuya**  
Ntl Astronomical Obs  
2 21 1 Osawa  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3714  
① 81 422 34 3700  
✉ watanabe@uvlab.mtk.nao.ac.jp

**Waters Laurens B F M**  
SRON  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4090  
① 31 50 363 4033  
✉ rensww@rug.nl

**Waterworth Michael**  
School of Physics  
QLD Univ of Techn  
Gpo Box 2434  
Brisbane QLD 4001  
Australia

**Watson Frederick Garnett**  
AAO  
Private Bag  
Coonabarabran NSW 2357  
Australia  
☎ 61 68 421 622  
① 61 68 422 288  
✉ FGW@aaocbn1.aao.gov.au

**Watson Micheal G**  
Dpt Phys/X-Ray Astron  
Univ Leicester  
University Rd  
Leicester LE1 7RH  
UK  
☎ 44 116 252 3491  
① 44 116 250 182  
✉ ngw@uk.ac.le.star

**Watson Robert**  
IAC  
Observ d Teide  
via Lactea s/n  
E 38200 La Laguna  
Spain  
☎ 34 2 260 5276  
① 34 2 240 5646/405 501  
✉ raw@ll.iac.es

**Watson Robert**  
Physics Dpt  
Univ Tasmania  
GPO Box 252c  
Hobart TAS 7001  
Australia  
☎ 61 2 202 415  
① 61 2 202 410

**Watson William D**  
Physics Dpt  
Univ of Illinois  
1110 W Green St  
Urbana IL 61801 3080  
USA  
☎ 1 217 333 7240  
① 1 217 333 9819

**Watt Graeme David**  
Joint Astronomy Ctr  
660 N A'ohoku Pl  
University Park  
Hilo HI 96720  
USA  
☎ 1 808 961 3756  
① 1 808 961 6516  
✉ gdw@jach.hawaii.edu

**Wayman Patrick A**  
Glebe Cottage  
Glebe Av  
Wicklow  
Ireland  
☎ 353 4 046 9695  
① 353 1 387 090  
✉ pawayman@ccvax.ucd.ie

**Wdowiak Thomas J**  
Physics Dpt  
Univ of Alabama  
Birmingham AL 35294  
USA  
☎ 1 205 934 4736

**Weaver Harold F**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 5004  
① 1 301 338 4767  
✉ weaver@stsci.edu

**Weaver Thomas A**  
884 Holly Hill Dr  
Walnut Creek CA 94596  
USA  
☎ 1 415 423 1850  
✉ weaver@kepler.llnl.gov

**Weaver William Bruce**  
Monterey Inst Res  
in Astronomy  
200 Eighth St  
Marina CA 93933  
USA  
☎ 1 408 883 1000  
① 1 408 883 1031  
✉ lc@mira.org

**Webb David F**  
USAF Phillips Lab/GPSG  
Boston College  
Hanscom AFB MA 01731 3010  
USA  
☎ 1 617 377 3970  
① 1 617 377 3160

**Webb John**  
School of Physics  
UNSW  
BOX 1  
Kensington NSW 2033  
Australia  
☎ 61 6 268 8801  
① 61 2 663 3420  
✉ jkw@edwin.phys.unisw.edu.au

**Webber John C**  
NRAO  
520 Edgemont Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 296 0287  
✉ jwebber@nrao.edu

**Webbink Ronald F**  
Dpt Astron/Physics  
Univ of Illinois  
1011 W Springfield Av  
Urbana IL 61801  
USA  
☎ 1 217 333 9582  
① 1 217 244 7638

**Weber Joseph**  
Physics Dpt  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 6081  
① 1 301 314 9525  
✉ jw116@umail.umd.edu

**Weber Stephen Vance**  
LLNL  
L 477  
Box 808  
Livermore CA 94551 9900  
USA  
☎ 1 415 422 5433  
① 1 415 423 0238  
✉ svweber@llnl.gov

**Webrova Ludmila**  
Na Malem Klineu 16  
CZ 182 00 Praha 8  
Czech R  
☎ 420 2 841 301

**Webster Adrian S**  
Joint Astronomy Ctr  
660 N A'ohoku Pl  
University Park  
Hilo HI 96720  
USA  
☎ 1 808 961 3756  
① 1 808 961 6516

**Webster Rachel**  
School of Physics  
Univ of Melbourne  
Parkville VIC 3052  
Australia  
☎ 61 33 475 450  
① 61 3 347 4783  
✉ webster@taunon.ph.unimelb.edu.a



**Weedman Daniel W**  
Astronomy Dpt  
Pennsylvania State Univ  
525 Davey Lab  
1220 University Park PA 16802  
USA  
☎ 1 814 865 0418  
☎ 1 814 863 7114

**Weekes Trevor C**  
FLWO  
Cfa  
Box 97  
Amado AZ 85645 0097  
USA  
☎ 1 617 495 7461  
☎ 1 617 495 7326

**Wegner Gary Alan**  
Dpt Phys/Astronomy  
Dartmouth College  
6127 Wilder Lab  
Hanover NH 03755  
USA  
☎ 1 603 646 2359  
☎ 1 603 646 1446  
✉ gary.wegner@dartmouth.edu

**Wehinger Peter A**  
Phys/Astronomy Dpt  
Arizona State Univ  
Astronomy Program  
Tempe AZ 85287 1504  
USA  
☎ 1 602 965 4063  
☎ 1 602 727 6019  
✉ peter.wehinger@asu.edu

**Wehlau Amelia**  
Dpt Phys/Astronomy  
Univ W Ontario  
London ON N6A 3K7  
Canada  
☎ 1 519 679 3186  
☎ 1 519 661 3486  
✉ afwehlau@nve.uwo.ca

**Wehrle Ann Elizabeth**  
CALTECH  
MS 100 22  
IPAC  
Pasadena CA 91125  
USA  
☎ 1 818 397 9588  
☎ 1 818 397 9600  
✉ aew@ipac.caltech.edu

**Wehrse Rainer**  
Inst Theor Astrophysik  
d Univer  
Im Neuenheimer Feld 561  
D 69120 Heidelberg  
Germany  
☎ 49 622 156 2837  
☎ 49 622 154 4221  
✉ b28@rw.iwe.uni-heidelberg.de

**Wei Mingzhi**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 459 4911  
☎ 1 831 426 3115  
✉ wmw@ucscloa.ucsc.edu

**Weidmann Volker**  
Inst Theor Phys/  
Sternwarte Univ Kiel  
Olshausenstr 40  
D 24098 Kiel  
Germany  
☎ 49 431 880 4110  
☎ 49 431 880 4432  
✉ supas058@astrophysik.uni-kiel.d400.de

**Weidenschilling S J**  
Planetary Science Inst  
620 N Sixth Av  
Tucson AZ 85705 8331  
USA  
☎ 1 520 662 6300  
☎ 1 520 622 8060  
✉ sjw@psi.edu

**Weigelt Gerd**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 243  
☎ 49 228 525 229  
✉ p561gwe@mpifr-bonn.mpg.de

**Weiler Edward J**  
NASA Headquarters  
Code SZ  
600 Independence Av SW  
Washington DC 20546  
USA  
☎ 1 202 358 0370  
☎ 1 202 358 3096  
✉ eweiler@gm.ossaa.hq.nasa.gov

**Weiler Kurt W**  
NRL  
Code 4131  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 0292  
☎ 1 202 404 8894  
✉ kweiler@shimmer.nrl.navy.mil

**Weill Gilbert M**  
Spot Image Corp/  
1897 Preston White Dr  
Reston VA 22091 4326  
USA  
☎ 1 703 620 2200

**Weimer Theophile P F**  
Observ Paris  
61 Av Observatoire  
F 75014 Paris  
France  
☎ 33 1 43 20 1210  
☎ 33 1 44 54 1804

**Weinberg J L**  
MK Industries Inc  
2137 E Flintsone Dr  
Tucker GA 30084  
USA  
☎ 1 770 491 8700  
☎ 1 770 491 9109

**Weinberg Steven**  
Astronomy Dpt  
Univ of Texas  
Rim 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 4394  
☎ 1 512 471 6016

**Weinberger Ronald**  
Inst Astronomie  
Technikerstr 15  
A 6020 Innsbruck  
Austria  
☎ 43 512 507 6035  
☎ 43 512 507 2923  
✉ Ronald.Weinberger@uibk.ac.at

**Weis Edward W**  
Astronomy Dpt  
Van Vleck Observ  
Wesleyan Univ  
Middletown CT 06457  
USA  
☎ 1 203 347 9411  
☎ 1 860 865 2131

**Weisberg Joel Mark**  
Dpt Phys/Astronomy  
Carleton College  
Northfield MN 55057  
USA  
☎ 1 507 663 4367

**Weisheit Jon C**  
Dpt Phys/Astronomy  
Rice Univ  
Box 1892  
Houston TX 77251 1892  
USA  
☎ 1 713 527 4654  
☎ 1 713 285 5143  
✉ jonw@zeno.rice.edu

**Weiss Achim**  
MPA  
Karl Schwarzschildstr 1  
D 85748 Garching  
Germany  
☎ 49 893 299 00  
☎ 49 893 299 3235  
✉ acw@dgaippls

**Weiss Nigel O**  
Dpt Appl Maths/Theor Phys  
Silver Street  
Cambridge CB3 9EW  
UK  
☎ 44 12 23 351 45  
☎ 44 12 23 337 918

**Weiss Werner W**  
Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 470 6800/7\*6683  
☎ 43 1 470 6015  
✉ weiss@galileo.ast.univie.ac.at

**Weisskopf Martin Ch**  
NASA/MSFC  
Space Science Lab  
Code ES 01  
Huntsville AL 35812  
USA  
☎ 1 205 544 7740  
☎ 1 205 547 7754  
✉ weisskopf@sslmsfc.nasa.gov

**Weissman Paul Robert**  
CALTECH/JPL  
MS 183 601  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 2636  
☎ 1 818 393 6030

**Weistrop Donna**  
Physics Dpt  
Univ of Nevada  
4505 S Maryland Parkway  
Las Vegas NV 89154  
USA  
☎ 1 702 739 3653  
☎ 1 702 739 0804  
✉ weistrop@nevada.edu

**Welch Douglas L**  
Dpt Phys/Astronomy  
McMaster Univ  
Hamilton ON L8S 4M1  
Canada  
☎ 1 905 525 9140\*23186  
☎ 1 905 546 1252  
✉ welch@physics.mcmaster.ca

**Welch Gary A**  
Astronomy Dpt  
St Mary's Univ  
Halifax NS B3H 3C3  
Canada  
☎ 1 902 429 9780  
☎ 1 902 420 5561

**Welch William J**  
Radio Astronomy Lab  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720  
USA  
☎ 1 415 642 6679  
☎ 1 415 642 6424

**Weller Charles S**  
David Taylor Res Ctr  
Code 7200  
9500 MacArthur Blvd  
W Bethesda MD 20817 5700  
USA  
✉ weller@oasys.dt.navy.mil

**Wellgate G Bernard**  
Caneheat House  
Arlington  
Polegate BN26 6SJ  
UK

**Wellington Kelvin**  
CSIRO  
Div Radiophysics  
Box 76  
Epping NSW 2121  
Australia  
☎ 61 2 9372 4375  
☎ 61 2 9372 4430  
✉ kwelling@rp.csiro.au

**Wellmann Peter**  
Inst Astron/Astrofizik  
Univ Sternwarte  
Scheinerstr 1  
D 81679 Muenchen  
Germany  
☎ 49 899 890 21  
☎ 49 899 220 9427

**Wells Donald C**  
NRAO  
520 Edgemont Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 296 0277  
☎ 1 804 296 0278  
✉ dwells@nrao.edu

**Wells Eddie Neil**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4788  
☎ 1 301 338 4767  
✉ wells@stsci.edu

**Wendker Heinrich J**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4112  
☎ 49 407 252 4198

**Wenger Marc**  
Observ Strasbourg  
11 r Universite  
F 67000 Strasbourg  
France  
☎ 33 3 88 15 0761  
☎ 33 3 88 25 0160  
✉ wenger@aastrro.u-strasbg.fr

**Weniger Schame**  
23bis r R Schuman  
F 94270 Kremlin Bicetre  
France

**Wentzel Donat G**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 1518  
☎ 1 301 314 9067  
✉ wentzel@astro.umd.edu

**Wenzel W**  
Zentrinst Astrophysik  
Sternwarte Sonneberg  
an d Sternwarte 16  
D 96575 Sonneberg  
Germany  
☎ 49 96 74 2287

**Werner Klaus**  
Inst Theor Phys/  
Sternwarte Univ Kiel  
Olshausenstr 40  
D 24098 Kiel  
Germany  
☎ 49 431 880 4106  
☎ 49 431 880 4100  
✉ supas075@astrophysik.uni-kiel.d400.de

**Wesemael Francois**  
Dpt d Physique  
Universite Montreal  
CP 6128 Succ A  
Montreal QC H3C 3J7  
Canada  
☎ 1 514 343 7355  
☎ 1 514 343 2071

**Wesselius Paul R**  
SRON  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4074  
☎ 31 50 363 4033  
✉ paul@gusp.space.rug.nl

**Wesson Paul S**  
Physics Dpt  
Univ Waterloo  
Waterloo ON N2L 3G1  
Canada  
☎ 1 519 885 1211  
☎ 1 519 746 8115

**West Michael**  
Dpt Astron/Physics  
Saint Mary's Univ  
Halifax  
Nova Scotia B3H 3C3  
Canada  
☎ 1 902 496 8175  
☎ 1 902 4220 5141  
✉ west@sisyphus.stmarys.ca

**West Richard M**  
ESO  
Karl Schwarzschildstr 2  
D 85748 Garching  
Germany  
☎ 49 893 200 6276  
☎ 49 89 320 2362  
✉ rwest@eso.org

**Westergaard Niels J**  
Danish Space Res Inst  
Juliane Maries Vej 30  
DK 2100 Copenhagen  
Denmark  
☎ 45 35 32 5705  
☎ 45 35 36 2475  
✉ njw@dsri.dk

**Westerhout Gart**  
811 West 38th Str  
Baltimore MD 21211 2203  
USA  
☎ 1 301 235 5834

**Westerlund Bengt E**  
Astronomical Observ  
Box 515  
S 751 20 Uppsala  
Sweden  
☎ 46 18 13 5157  
☎ 46 18 52 7583

**Westfold Kevin C**  
7 Beamsley St  
Malvern  
Victoria 3144  
Australia

**Westphal James A**  
CALTECH  
MS 170 25  
Pasadena CA 91125  
USA  
☎ 1 818 395 4900  
☎ 1 818 585 1917  
✉ jaw@caltech.edu

**Wetherill George W**  
Dpt Terrest Magnetism  
Carnegie Inst Washington  
5241 Bd Branch Rd NW  
Washington DC 20015 1305  
USA  
☎ 1 202 686 4370 \*4375  
☎ 1 202 364 8726  
✉ wetherill@eros.ciw.edu

**Weymann Ray J**  
Carnegie Observatories  
813 Santa Barbara St  
Pasadena CA 91101 1292  
USA  
☎ 1 818 577 1122  
☎ 1 818 795 8136

**Wheeler J Craig**  
Astronomy Dpt  
Univ of Texas  
Rim 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 6407  
☎ 1 512 471 6016  
✉ wheel@astro.as.texas.edu

**Wheeler John A**  
Physics Dpt  
Princeton Univ  
Jadwin Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 258 4400  
☎ 1 609 258 1124  
✉ dwms@mso.amu.oz.au

**Whipple Arthur L**  
McDonald Observ  
Univ of Texas  
Rim 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 6332  
☎ 1 512 471 6016

**Whipple Fred L**  
CEA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7200  
☎ 1 617 495 7356

**Whitaker Ewen A**  
Lunar/Planetary Lab  
Room 325 Bg 92  
Univ of Arizona  
Tucson AZ 85721 0092  
USA  
☎ 1 520 621 2888  
☎ 1 520 621 4933

**White Glenn J**  
Astrophysics Group  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5555  
☎ 44 181 975 5500

**White Graeme Lindsay**  
Fac Science/Tech  
UWS  
Box 10  
Kingswood NSW 2747  
Australia  
☎ 61 47 360 835  
☎ 61 47 3360 779  
✉ gwhite@st.nepean.uws.edu.au

**White Nathaniel M**  
Lowell Observ  
1400 W Mars Hill Rd  
Box 1149  
Flagstaff AZ 86001  
USA  
☎ 1 602 774 3358  
☎ 1 520 774 3358  
✉ nmw@lowell.edu

**White Nicholas Ernest**  
NASA/GSFC  
Code 662  
Greenbelt MD 20771  
USA  
☎ 1 301 286 8443  
☎ 1 301 286 1684  
✉ white@ad hoc.gsfc.nasa.gov

**White Oran R**  
HAO  
NCAR  
Box 3000  
Boulder CO 80307 3000  
USA  
☎ 1 303 497 1000  
☎ 1 303 497 1568  
✉ white@hao.ucar.edu

**White R Stephen**  
IGPP  
Univ of California  
Riverside CA 92521  
USA  
☎ 1 714 787 4503

**White Raymond E**  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 6288  
☎ 1 520 621 1532  
✉ rwhite@as.arizona.edu

**White Raymond Edwin III**

Dpt Phys/Astronomy  
Univ of Alabama  
Box 870324  
Tuscaloosa AL 35487 0324  
USA  
☎ 1 205 348 1640  
☎ 1 520 621 1532  
✉ white@merkin.astr.ua.edu

**White Richard Allan**

NASA/GSFC  
Code 631  
Greenbelt MD 20771  
USA  
☎ 1 301 286 7802  
☎ 1 301 286 1771  
✉ richard.a.white.1@gssc.nasa.gov

**White Richard E**

Astronomy Dpt  
Smith College  
Clark Science Ctr  
Northampton MA 01063  
USA  
☎ 1 413 584 2700

**White Richard L**

STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4797  
☎ 1 301 338 4767

**White Simon David Manion**

Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
☎ 44 12 23 337 523  
✉ swhite@ast.star.camm.ac.uk

**White Stephen Mark**

Astronomy Dpt  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 1547  
☎ 1 301 314 9067  
✉ white@astro.umd.edu

**Whitelock Patricia Ann**

SAAO  
PO Box 9  
7935 Observatory  
South Africa  
☎ 27 21 47 0025  
☎ 27 21 47 3639  
✉ paw@sao.ac.za

**Whiteoak John B**

CSIRO  
ATNF  
Box 76  
Epping 2121 NSW  
Australia  
☎ 61 2 9372 4110  
☎ 61 2 9372 4310  
✉ jwhiteoak@atnf.csiro.au

**Whitford Albert E**

Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 429 2149  
☎ 1 831 426 3115

**Whitmore Bradley C**

STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4713  
☎ 1 301 338 4767

**Whitney Charles A**

Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 496 5405  
☎ 1 617 495 7356  
✉ cwhitney@cfa.harvard.edu

**Whitrow Gerald James**

41 Home Park Rd  
Wimbledon  
London SW19 7HS  
UK  
☎ 44 181 947 343 467

**Whittet Douglas C B**

Physics Dpt  
Rensselaer Polytechn Inst  
Troy NY 12180 3590  
USA  
☎ 1 518 276 6310  
☎ 1 518 276 6680

**Whittle D Mark**

University Station  
Univ of Virginia  
Box 3818  
Charlottesville VA 22903 0818  
USA  
☎ 1 864 924 4900  
✉ dmw8f@virginia.edu

**Whitworth Anthony Peter**

Dpt Applied Maths/Astron  
Univ College  
Box 78  
Cardiff CF1 1XL  
UK  
☎ 44 12 22 442 11

**Wickramasinghe D T**

Australian Ntl Univ  
Applied Maths Dpt  
Box 4  
Canberra Act 2600  
Australia

**Wickramasinghe N C**

Dpt Applied Maths/Astron  
Univ College  
Box 78  
Cardiff CF1 1XL  
UK  
☎ 44 12 22 442 11

**Widemann Thomas**

Service Aeronomie  
BP 3  
F 91371 Verrieres Buisson  
France  
☎ 33 1 64 47 5256  
☎ 33 1 69 20 2999  
✉ widemann@aerov.jussieu.fr

**Widing Kenneth G**

NRL  
Code 7144  
4555 Overlook Av SW  
Washington DC 20375 5000  
USA  
☎ 1 202 767 2605

**Wiedling Tor**

Ostra Villavagen 15  
S 611 36 Nykoping  
Sweden

**Wiehr Eberhard**

Univ Sternwarte  
Goettingen  
Geismarlandstr 11  
D 37083 Goettingen  
Germany  
☎ 49 551 395 053  
☎ 49 551 395 043

**Wielebinski Richard**

RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 300  
☎ 49 228 525 436

**Wielen Roland**

ARI  
Moenchhofstr 12-14  
D 69120 Heidelberg  
Germany  
☎ 49 622 140 5122  
☎ 49 622 140 5297  
✉ wielen@ari.uni-heidelberg.de

**Wiese Wolfgang L**

NIST  
Physics Division  
270/Quince Orchard Rd  
Gaithersburg MD 20899  
USA  
☎ 1 301 975 3201  
☎ 1 301 975 3038  
✉ wolfgang.wiese@nist.gov

**Wiita Paul Joseph**

Dpt Phys/Astronomy  
Georgia State Univ  
Atlanta GA 30303 3083  
USA  
☎ 1 404 651 1367  
☎ 1 404 651 1389  
✉ wiita@chara.gsu.edu

**Wijnbergen Jan**

Kapteyn Sterrekundig Inst  
Univ Groningen  
Postbus 800  
NL 9700 AV Groningen  
Netherlands  
☎ 31 50 363 4073  
☎ 31 50 363 6100

**Wiklund Tommy**

Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5537  
☎ 46 31 772 5590  
✉ tommy@oso.chalmers.se

**Wild John Paul**

CSIRO  
Limestone Av  
Box 225  
Dickson ACT 2602  
Australia  
☎ 61 62 484 595

**Wild Paul**

Astronomisches Institut  
Univ Bern  
Sidlerstr 5  
CH 3012 Bern  
Switzerland  
☎ 41 31 631 3892  
☎ 41 31 631 3869

**Wilkening Laurel L**

Univ of Arizona  
Admin Bg 601  
Tucson AZ 85721  
USA  
☎ 1 520 626 3513

**Wilkes Belinda J**

CFA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7268  
☎ 1 617 495 7356

**Wilkins George A**

Winward Higher Brook Meadow  
Sidford  
Sidmouth Devon EX10 9SS  
UK  
☎ 44 139 557 9641  
✉ g.a.wilkins@exeter.ac.uk

**Wilkinson Althea**

Astronomy Dpt  
Univ Manchester  
Oxford Rd  
Manchester M13 9PL  
UK  
☎ 44 161 275 4224  
☎ 44 161 275 4223

**Wilkinson David T**

Physics Dpt  
Princeton Univ  
Jadwin Hall  
Princeton NJ 08544 1001  
USA  
☎ 1 609 452 4406  
☎ 1 609 258 6853

**Wilkinson Peter N**

NRAL  
Univ Manchester  
Jodrell Bank  
Macclesfield SK11 9DL  
UK  
☎ 44 14 777 1321  
☎ 44 147 757 1618

**Will Clifford M**  
Physics Dpt  
Washington Univ  
Campus Box 1105  
St Louis MO 63130  
USA  
☎ 1 314 935 6244  
☎ 1 314 935 6219  
✉ cmw@wuphys.wustl.edu

**Williamson Richard M**  
Fernbank Sci Ctr  
156 Heaton Park Dr  
156 Heaton Park Dr  
Atlanta GA 30307  
USA  
☎ 1 404 378 4313

**Williams Barbara A**  
Physics Dpt  
Univ of Delaware  
Newark DE 19716  
USA  
☎ 1 302 451 6526  
☎ 1 302 831 1637

**Williams Carol A**  
Mathematics Dpt  
Univ of S Florida  
4202 E Fowler Av  
Tamp FL 33620 5700  
USA  
☎ 1 813 974 2643  
☎ 1 813 974 2700  
✉ cw@kepler.math.usf.edu

**Williams David A**  
Dpt Phys/Astronomy  
UCL0  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050  
☎ 44 171 380 7145  
✉ daw@star.ucl.ac.uk

**Williams Glen A**  
Physics Dpt  
Central Michigan Univ  
Mt Pleasant MI 48858  
USA  
☎ 1 517 774 3365  
☎ 1 517 774 2697  
✉ 32nsqsv@cmumvm

**Williams Iwan P**  
Astronomy Unit  
QMWC  
Mile End Rd  
London E1 4NS  
UK  
☎ 44 171 975 5452  
☎ 44 181 983 3522  
✉ i.p.williams@qmw.ac.uk

**Williams James G**  
CALTECH/JPL  
MS 264 700  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 6466  
☎ 1 818 393 6030  
✉ jgw@logos.jpl.nasa.gov

**Williams John A**  
Physics Dpt  
Albion College  
Albion MI 49224  
USA  
☎ 1 517 629 5511

**Williams Peredur M**  
Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 667 3321  
☎ 44 131 668 8356

**Williams Robert E**  
STSci  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4710  
☎ 1 301 338 2519  
✉ wms@stsci.edu

**Williams Robin**  
Physics Dpt  
Univ of Leeds  
Leeds LS2 9JT  
UK  
☎ 44 113 233 3860  
☎ 44 113 233 3846  
✉ rjrw@ast.leeds.ac.uk

**Williams Theodore B**  
Dpt Phys/Astronomy  
Rutgers Univ  
Box 849  
Piscataway NJ 08854 0849  
USA  
☎ 1 201 932 2516  
☎ 1 908 445 4343

**Willis Allan J**  
Dpt Phys/Astronomy  
UCL0  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 387 7050  
☎ 44 171 380 7145  
✉ ajw@uk.ac.ucl.star

**Willis Anthony Gordon**  
DRAO  
NRCC/HIA  
Box 248  
Penticton BC V2A 6K3  
Canada  
☎ 1 250 493 2277  
☎ 1 250 493 7767

**Willmer Christopher N A**  
Observ Nacional  
Rua Gl Bruce 586  
Sao Cristovao  
20921 030 Rio de Janeiro RJ  
Brazil  
☎ 55 21 589 6504  
☎ 55 21 580 0332  
✉ chaw@on.br

**Willmore A Peter**  
Dpt Space Res  
Univ Birmingham  
Box 363  
Birmingham B15 2TT  
UK  
☎ 44 12 14 72 1301

**Willner Steven Paul**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7123  
☎ 1 617 495 7490  
✉ swilner@cfa.harvard.edu

**Wills Beverley J**  
Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 3424  
☎ 1 512 471 6016

**Wills Derek**  
Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 4461  
☎ 1 512 471 6016

**Willson Lee Anne**  
Physics Dpt  
Iowa State Univ  
Ames IA 50011  
USA  
☎ 1 515 294 6765  
☎ 1 515 294 3262

**Willson Robert Frederick**  
Dpt Phys/Astronomy  
Tufts Univ  
Robinson Hall  
Medford MA 02155  
USA  
☎ 1 617 628 5000

**Willstrop Roderick V**  
Inst of Astronomy  
The Observatories  
Madingley Rd  
Cambridge CB3 0HA  
UK  
☎ 44 12 23 337 548  
☎ 44 12 23 337 523  
✉ rvw@ast.cam.ac.uk

**Wilner David J**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 496 7623  
☎ 1 617 495 7345  
✉ dwilner@cfa.harvard.edu

**Wilson Albert G**  
Box 1871  
Sebastopol CA 95473  
USA

**Wilson Andrew S**  
Astronomy Program  
Univ of Maryland  
College Park MD 20742 2421  
USA  
☎ 1 301 405 1519  
☎ 1 301 314 9067

**Wilson Brian G**  
Univ of Queensland  
55 Walcott St  
St Lucia QLD 4067  
Australia  
☎ 61 73 772 200

**Wilson Christine**  
Dpt Astron/Physics  
McMaster Univ  
Hamilton  
Ontario L8S 4M1  
Canada  
☎ 1 905 525 9140\*27483  
☎ 1 905 546 1252  
✉ wilson@physics.mcmaster.ca

**Wilson Curtis A**  
St John's College  
Box 2880  
Annapolis MD 21404  
USA  
☎ 1 301 263 2371

**Wilson James R**  
737 South M  
Livermore CA 94550  
USA  
☎ 1 415 422 1659  
☎ 1 412 423 0238

**Wilson Lionel**  
Env Science Dpt  
Lancaster Univ  
Lancaster LA1 4YQ  
UK  
☎ 44 15 246 5201\*4075

**Wilson Michael John**  
Dpt Appl Maths  
Univ of Leeds  
Leeds LS2 9JT  
UK  
☎ 44 113 233 5110  
☎ 44 113 242 9525

**Wilson P**  
Geoforschungs Zentrum  
Telegrafenberg A17  
D 14407 Potsdam  
Germany

**Wilson Peter R**  
Applied Maths Dpt  
Univ of Sydney  
Sydney NSW 2006  
Australia  
☎ 61 2 692 2222  
☎ 61 2 660 2903

**Wilson Richard**  
Cfa  
HCO/SAO MS 42  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7000

**Wilson Robert**  
Dpt Phys/Astronomy  
UCLO  
Gower St  
London WC1E 6BT  
UK  
☎ 44 171 380 7154  
☎ 44 171 380 7145  
✉ rw@uk.ac.ucl.star

**Wilson Robert E**  
Astronomy Dpt  
Univ of Florida  
211 SSRB  
Gainesville FL 32611  
USA  
☎ 1 904 392 1182  
☎ 1 904 392 5089

**Wilson Robert W**  
CfA  
HCO/SAO MS 42  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7000

**Wilson S J**  
Mathematics Dpt  
Nl Univ Singapore  
Kent Ridge  
Singapore 0511  
Singapore  
☎ 65 775 6666

**Wilson Thomas L**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 378  
☎ 49 228 525 229  
✉ p073twi@mpifr-bonn.mpg.ge

**Wilson William J**  
CALTECH/JPL  
MS 168 327  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 5699  
☎ 1 818 393 6030

**Winckler John R**  
School Phys/Astronomy  
Univ Minnesota  
116 Church St SE  
Minneapolis MN 55455  
USA  
☎ 1 612 373 4688  
☎ 1 612 624 2029

**Windhorst Rogier A**  
Physics Dpt  
Arizona State Univ  
Astronomy Program  
Tempe AZ 85287 1504  
USA  
☎ 1 602 965 7143  
☎ 1 605 965 7954

**Wing Robert F**  
Astronomy Dpt  
Ohio State Univ  
174 W 18th Av  
Columbus OH 43210 1106  
USA  
☎ 1 614 422 7876  
☎ 1 614 292 2928  
✉ ts4718@ohstnvs

**Winget Donald E**  
Astronomy Dpt  
Univ of Texas  
Rlm 15 308  
Austin TX 78712 1083  
USA  
☎ 1 512 471 4461  
☎ 1 512 471 6016

**Winiarski Maciej**  
Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
☎ 48 12 25 1318

**Wink Joern Erhard**  
IRAM  
300 r La Piscine  
F 38406 S Martin Heres Cdx  
France  
☎ 33 4 76 42 3383  
☎ 33 4 76 51 5938

**Winkler Christoph**  
ESA/ESTEC  
SSD  
Box 299  
NL 2200 AG Noordwijk  
Netherlands  
☎ 31 71 565 3591  
☎ 31 71 565 4690  
✉ cwinkler@ests2.estec.esa.nl

**Winkler Gernot M R**  
USNO  
Time Service Dpt  
3450 Massachusetts Av NW  
Washington DC 20392 5100  
USA  
☎ 1 202 762 1450  
☎ 1 202 653 1507  
✉ gw@cassini.usno.navy.mil

**Winkler Karl-Heinz A**  
LANL  
MS B260  
Box 1663  
Los Alamos NM 87545 2345  
USA  
☎ 1 505 667 2897  
☎ 1 505 665 4055  
✉ khw@lanl.gov

**Winkler Paul Frank**  
Physics Dpt  
Middlebury Coll  
Middlebury VT 05753  
USA  
☎ 1 802 388 3711  
☎ 1 802 388 0739

**Winnberg Anders**  
Onsala Space Observ  
Chalmers Technical Univ  
S 439 92 Onsala  
Sweden  
☎ 46 31 772 5527  
☎ 46 31 772 5590  
✉ anders@oso.chalmers.se

**Winnewisser Gisbert**  
Erstes Physikalisches Institut  
Univ Koeln  
Zuelpicherstr 77  
D 50937 Koeln  
Germany  
☎ 49 211 470 3567  
☎ 49 221 470 5162

**Winter Otho Cabo**  
DMA UNESP  
CP 205  
12500 000 Guaratingueta  
Brazil  
☎ 55 12 525 2800\*105  
☎ 55 12 525 2466  
✉ ocwinter@feg.unesp.br

**Wiramihardja Suhardja**  
Bosscha Observ  
ITB Lembang  
Lembang 40391  
Indonesia  
☎ 62 22 229 6001  
☎ 62 22 278 7289

**Wisotzki Lutz**  
Hamburger Sternwarte  
Univ Hamburg  
Gojenbergsweg 112  
D 21029 Hamburg  
Germany  
☎ 49 407 252 4139  
☎ 49 407 252 4198  
✉ lwisotzki@hs.uni-hamburg.de

**Withbroe George L**  
CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7438  
☎ 1 617 495 7356

**Witt Adolf N**  
Dpt Phys/Astronomy  
Univ of Toledo  
2801 W Bancroft St  
Toledo OH 43606  
USA  
☎ 1 419 530 2709  
☎ 1 419 530 2723  
✉ awitt@anwsun.astro.utoledo.edu

**Witten Louis**  
Physics Dpt  
Univ of Cincinnati  
210 Braunein MI 11  
Cincinnati OH 45221 0111  
USA  
☎ 1 513 475 6492  
☎ 1 513 556 3425

**Wittmann Axel D**  
Univ Sternwarte  
Goettingen  
Geismarlandstr 11  
D 37083 Goettingen  
Germany  
☎ 49 551 395 042  
☎ 49 551 395 043

**Witzel Arno**  
RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 211  
☎ 49 228 525 229

**Wiyanto Paulus**  
Astronomy Dpt  
Bandung Insitte Techn  
Jl Ganesha 10  
Bandung 40132  
Indonesia  
☎ 62 22 244 0252  
☎ 62 22 2505442

**Wierick Gerard**  
Observ Paris Meudon  
DASGAL  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 2240  
☎ 33 1 45 07 7971

**Wnuk Edwin**  
Astronomical Observ  
A Mickiewicz Univ  
Ul Sloneczna 36  
PL 60 286 Poznan  
Poland  
☎ 48 61 67 9670  
☎ 48 61 53 6536

**Woon Graham**  
Dpt Phys/Astronomy  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855  
☎ 44 141 330 5183  
✉ graham@astro.gla.ac.uk

**Woehl Hubertus**  
Kiepenheuer Inst  
Sonnensphysik  
Schoeneckstr 6  
D 79104 Freiburg Breisgau  
Germany  
☎ 49 761 319 8258  
☎ 49 761 3198 111  
✉ hw@kis.uni-freiburg.de

**Wolf Bernhard**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9213  
☎ 49 622 150 9202  
✉ bwolf@hp2.uni-heidelberg.de

- Wolf Marek**  
Astronomical Institute  
Charles Univ  
V Holesovickack 2  
CZ 180 00 Praha 8  
Czech R  
☎ 420 2 2191 2572  
☎ 420 2 688 5095  
✉ wolf@inbox.cesnet.cz
- Wolf Rainer E A**  
MPI Astronomie  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 152 81  
☎ 49 622 152 8246
- Wolfe Arthur M**  
CASS  
UCSD  
C 011  
La Jolla CA 92093 0216  
USA  
☎ 1 619 534 7435  
☎ 1 619 534 6316  
✉ awolfe@ucsd
- Wolfendale Arnold W**  
Physics Dpt  
Univ of Durham  
South Rd  
Durham DH1 3LE  
UK  
☎ 44 191 3742 160  
☎ 44 191 374 3749  
✉ a.w.wolfendale@durham.ac.uk
- Wolff Sidney C**  
NOAO/KPNO  
Box 26732  
950 N Cherry Av  
Tucson AZ 85726 6732  
USA  
☎ 1 520 327 5511  
☎ 1 520 325 9360
- Wolfire Mark Guy**  
2205 Sulgrave Av  
Baltimore MD 21209  
USA  
✉ mwolfire@nasim.edu
- Wolfsen C Jacob**  
Lockheed Palo Alto Res Lb  
Dpt 91 30 Bg 256  
3251 Hanover St  
Palo Alto CA 94304 1191  
USA  
☎ 1 415 424 2855  
☎ 1 415 424 3994
- Wolfsen Richard**  
Physics Dpt  
Middlebury Coll  
Middlebury VT 05753  
USA  
☎ 1 802 388 3711  
☎ 1 802 388 0739  
✉ wolfsen@midd
- Wolstencroft Ramon D**  
Royal Observ  
Blackford Hill  
Edinburgh EH9 3HJ  
UK  
☎ 44 131 668 9307  
☎ 44 131 662 1668  
✉ rdw@roe.ac.uk
- Wolszczan Alexander**  
Arecibo Observ  
Box 995  
Arecibo PR 00613  
USA  
☎ 1 809 878 2612
- Wolter Anna**  
Osserv Astronomico  
d Brera  
Via Brera 28  
I 20121 Milano  
Italy  
☎ 39 2 723 20321  
☎ 39 2 720 01600  
✉ anna@brera.mi.astro.it
- Woltjer Lodewijk**  
OHP  
F 04870 S Michel Obs  
France  
☎ 33 4 92 76 6662  
☎ 33 4 92 76 6295  
☎ 41 22 788 3551
- Woo Jong Ok**  
Korean Natl Univ  
of Education  
Chungwon-gun  
Chungbuk 320 23  
Korea RP  
☎ 82 431 60 3712
- Wood Douglas S O**  
55 Whitney Ridge Terrace  
North Haven CT 06473  
USA  
✉ dougwood@kodak.com
- Wood H J**  
Astronomy Dpt  
Indiana Univ  
Swain W 319  
Bloomington IN 47405  
USA  
☎ 1 812 855 6911  
☎ 1 812 855 8725
- Wood Janet H**  
Physics Dpt  
Univ of Keele  
Keele ST5 5BG  
UK  
☎ 44 178 262 1111  
☎ 44 178 271 1093  
✉ jhw@uk.ac.keele.  
ph.starlink
- Wood John A**  
Cfa  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7278  
☎ 1 617 495 7356  
✉ jwood@cfa.harvard.edu
- Wood Matthew Alan**  
Dpt Phys/Space Sci  
Florida Inst Techn  
150 W University Blvd  
Melbourne FL 32901  
USA  
☎ 1 407 768 8000\*7207  
☎ 1 407 984 8461  
✉ wood@kepler.pss.f  
it.edu
- Wood Peter R**  
MSSSO  
Weston Creek  
Private Bag  
Canberra ACT 2611  
Australia  
☎ 61 262 881 111  
☎ 61 262 490 233
- Wood Roger**  
Satellite Laser Ranger Gp  
Herstmonceux Castle  
Hailsham  
East Sussex BN27 1RP  
UK  
☎ 44 132 383 3171\*3391
- Woodsworth Andrew W**  
NRCC/HIA  
DAO  
5071 W Saanich Rd  
Victoria BC V8X 4M6  
Canada  
☎ 1 250 388 0024  
☎ 1 250 363 0045  
✉ wdswrth@dao.nrc.ca
- Woodward Paul R**  
School Phys/Astronomy  
Univ Minnesota  
116 Church St SE  
Minneapolis MN 55455  
USA  
☎ 1 612 624 0211  
☎ 1 612 624 2029
- Woolf Neville J**  
Steward Observ  
Univ of Arizona  
Tucson AZ 85721  
USA  
☎ 1 520 621 2288  
☎ 1 520 621 1532
- Woolfsen Michael M**  
Physics Dpt  
Univ of York  
Heslington York YO1 5DD  
UK  
☎ 44 19 045 9861
- Woolsey E G**  
1909 Lauder Dr  
Ottawa ON K2A 1A9  
Canada
- Woosley Stanley E**  
Lick Observ  
Univ of California  
Santa Cruz CA 95064  
USA  
☎ 1 831 429 2976  
☎ 1 831 426 3115  
✉ woosley@helios.ucsc.edu
- Wootten Henry Alwyn**  
NRAO  
520 Edgemont Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 296 0329  
☎ 1 804 296 0278  
✉ awootten@nrao.edu
- Worden Simon P**  
6757 N 27th St  
Arlington VA 22213  
USA
- Worrall Diana Mary**  
Physics Dpt  
Univ of Bristol  
Tyndall Av  
Bristol BS8 1TL  
UK  
☎ 44 11 79 288 787  
☎ 44 11 79 255 624  
✉ d.worrall@bristol.ac.uk
- Worrall Gordon**  
Birdswood  
Eardisley  
Herefords  
UK  
☎ 44 12 23 374 000  
☎ 44 12 23 374 700
- Worswick Susan**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 000  
☎ 44 12 23 374 700
- Woszczyk Andrzej**  
Inst of Astronomy  
N Copernicus Univ  
Ul Chopina 12/18  
PL 87 100 Torun  
Poland  
☎ 48 56 26 018  
☎ 48 56 24 602
- Woszczyzna Andrzej**  
Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
☎ 48 12 25 1318  
✉ woszcz@oa.uj.edu.pl
- Wouterloot Jan Gerard A**  
Erstes Physikal Institut  
Univ Koeln  
Zuelpicherstr 77  
D 50937 Koeln  
Germany  
☎ 49 221 470 4528  
☎ 49 221 470 5162  
✉ wouterloot@ph1.uni-  
koeln.de
- Wozniak Herve**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
☎ 33 4 91 62 1190  
✉ wozniak@observatoire.  
cnrs-mrs.fr

**Wrandemark Stig S**  
Lund Observ  
Box 43  
S 221 00 Lund  
Sweden  
☎ 46 46 222 7303  
☎ 46 46 222 4614  
✉ stig@astro.lu.se

**Wray James D**  
21200 Todd Valley Rd  
Trlr 54  
Foresthill CA 95631 9511  
USA

**Wright Alan E**  
Parkes Observ  
ATNF  
Private Bag 276  
Parkes NSW 2870  
Australia  
☎ 61 68 61 1732  
☎ 61 68 61 1730  
✉ awright@atnf.csiro.au

**Wright Andrew**  
Mathematics Dpt  
Univ of St Andrews  
St Andrews North Haugh  
Fife KY16 9SS  
UK  
☎ 44 13 34 7661  
☎ 44 13 347 4487

**Wright Edward L**  
Dpt Astronomy/Phys  
UCLA  
Box 951562  
Los Angeles CA 90025 1562  
USA  
☎ 1 310 825 5755  
☎ 1 310 206 2096

**Wright Helen Greuter**  
Thomas House Apt 517  
1330 Massachusetts Av  
Washington DC 20005  
USA

**Wright James P**  
NSF  
Div Astron Sci  
4201 Wilson Blvd  
Arlington VA 22230  
USA  
☎ 1 703 306 1819  
☎ 1 703 306 0525  
✉ jwright@nsf.gov

**Wright Melvyn C H**  
Radio Astronomy Lab  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720  
USA  
☎ 1 415 642 0420  
☎ 1 415 642 6424

**Wrixon Gerard T**  
Ntl Microelectron Res Ctr  
Univ College Cork  
Cork  
Ireland  
☎ 353 1 215 08375

**Wrobel Joan Marie**  
NRAO  
Box 0  
Socorro NM 87801 0387  
USA  
☎ 1 505 835 7000  
☎ 1 505 835 7027  
✉ jwrobel@nrao.edu

**Wroblewski Herbert**  
Dpt Astronomia  
Univ Chile  
Casilla 36 D  
Santiago  
Chile  
☎ 56 2 229 4101  
☎ 56 2 229 4002

**Wu Bin**  
Inst Geodesy/  
Geophysics  
Xu Dong Lu  
Wuchang 430077  
China PR  
☎ 86 27 681 3855  
☎ 86 27 781 1242

**Wu Chi Chao**  
STScI/CSC  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 338 4770  
☎ 1 301 459 4482

**Wu Guichen**  
Shaanxi Observ  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 29 323 2255  
☎ 86 9237 313 496

**Wu Hong'ao**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 44 3281 7278  
☎ 86 25 301 459

**Wu Hsin-Heng**  
Physics Dpt  
Ntl Central Univ  
Chung Li Taiwan 32054  
China R  
☎ 886 3 462 2302  
☎ 886 3 426 2304

**Wu Huai-Wei**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
☎ 86 21 6438 4618

**Wu Lianda**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 32893  
☎ 86 25 301 459

**Wu Linxiang**  
Dpt Geophysics  
Beijing Univ  
Beijing 100871  
China PR  
☎ 86 1 28 2471\*3888

**Wu Mingchao**  
Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
☎ 86 871 717 1845

**Wu Nailong**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 516 6864  
☎ 1 301 516 8720  
✉ nailong@stsci.edu

**Wu Shengyin**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
☎ 86 1 256 10855

**Wu Shi Tsan**  
School Engin  
Univ of Alabama  
Huntsville AL 35899  
USA  
☎ 1 205 895 6413

**Wu Shouxiap**  
Shaanxi Observ  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 33 55951  
☎ 86 9237 3496

**Wu Xiangping**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 254 6089  
☎ 86 1 256 10855  
✉ wxp@bao01.bao.ac.cn

**Wu Xinji**  
Dpt Geophysics  
Beijing Univ  
Beijing 100871  
China PR  
☎ 86 1 28 2471\*3929

**Wu Xuejun**  
Physics Dpt  
Nanjing Normal Univ  
Nanjing 210097  
China PR  
☎ 86 25 371 6641  
☎ 86 25 372 3207  
✉ xjwu@pine.njnu.edu.cn

**Wu Yuefang**  
Dpt Geophysics  
Beijing Univ  
Beijing 100871  
China PR  
☎ 86 1 255 9461 \*2963  
☎ 86 1 256 1085

**Wu Zhiren**  
Shanghai Scientific/  
Tech Edu Publishing House  
393 Guan Shen Yaun Rd  
Shanghai 200233  
China PR  
☎ 86 21 36 5791

**Wueller Jean-Pierre**  
Lockheed Palo Alto Res Lb  
Dpt 91 30 Bg 252  
3251 Hanover St  
Palo Alto CA 94304 1191  
USA  
☎ 1 415 424 3289  
☎ 1 415 424 3994  
✉ wueller@sag.space.lockheed.com

**Wuensch Johann Jakob**  
Stifterstr 8  
D 86672 Thierhaupten  
Germany  
✉ wuens@gfz-potsdam.de

**Wunner Guenter**  
Inst Theor Physik  
Ruhr Univ Bochum  
Postfach 102148  
D 44780 Bochum  
Germany  
☎ 49 234 700 3454  
☎ 49 234 709 4169

**Wyckoff Susan**  
Physics Dpt  
Arizona State Univ  
Astronomy Program  
Tempe AZ 85287 1504  
USA  
☎ 1 602 965 3561  
☎ 1 605 965 7954  
✉ wyckoff@asyos

**Wyller Arne A**  
Box 5501  
Santa Fe NM 87502 5501  
USA  
☎ 1 505 473 5849  
☎ 1 505 473 5849

**Wynn-Williams C G**  
Inst for Astronomy  
Univ of Hawaii  
2680 Woodlawn Dr  
Honolulu HI 96822  
USA  
☎ 1 808 956 8807  
☎ 1 808 988 2790

**Wyse Rosemary F**  
Dpt Phys/Astronomy  
JHU  
Charles/34th St  
Baltimore MD 21218  
USA  
☎ 1 301 516 5392  
☎ 1 301 516 8260

**Wytrzyszczak Iwona**  
Astronomical Observ  
A Mickiewicz Univ  
Ul Słoneczna 36  
PL 60 286 Poznan  
Poland  
☎ 48 61 67 9670  
📞 48 61 53 6536  
✉ [iwona@phys.amu.edu.pl](mailto:iwona@phys.amu.edu.pl)



## X

**Xi Zezong**

Inst History Ntl Science  
1 Gong Yuan West Rd  
Beijing  
China PR  
☎ 86 1 55 7180

**Xia Xiaoyang**

Physics Dpt  
Tianjin Normal Univ  
Tianjin 300074  
China PR  
☎ 86 22 71 6989

**Xia Yifei**

Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 34651\*2882  
① 86 25 330 2728

**Xia Zhiguo**

Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
① 86 871 717 1845

**Xian Ding-Zhang**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 37609  
① 86 25 301 459

**Xiang Delin**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 33738  
① 86 25 301 459

**Xiang Shouping**

Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 33 1134  
① 86 551 33 1760

**Xiao Naiyuan**

Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 34651\*2882  
① 86 25 330 2728

**Xie Guangzhong**

Yunnan Observ  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
① 86 871 717 1845

**Xie Liangyuan**

Inst Geodesy/  
Geophysics  
Xu Dong Lu  
Wuchang 430077  
China PR

**Xiong Darun**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 42817  
① 86 25 301 459

**Xiradaki Evangelia**

Astrophysics Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 723 5122/9628 306  
① 30 1 723 5122

**Xu Aoao**

Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 663 7551\*2882  
① 86 25 330 2728

**Xu Bang-Kin**

Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 663 7551\*2882  
① 86 25 330 2728

**Xu Chongming**

Physics Dpt  
Nanjing Normal Univ  
Nanjing 210097  
China PR  
☎ 86 25 371 6641  
① 86 25 372 3207  
✉ cmxu@pine.njnu.edu.cn

**Xu Jiayan**

Shaanxi Observ  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 33 2255  
① 86 9237 3496  
✉ tt.www@company.bjta.chinamail.sprint.com

**Xu Jihong**

URUMQI Astronomical Stat  
CAS  
40 South Beijing Rd  
Xinjiang 830011  
China PR  
☎ 86 33 5757

**Xu Peiyuan**

Inst Electronic Physics  
SUST  
Jia ding  
Shanghai  
China PR  
☎ 86 21 95 1602

**Xu Pinxin**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 32893  
① 86 25 301 459

**Xu Tong-Qi**

Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618  
✉ lpz@center.shao.ac.cn

**Xu Wenli**

Ctr for Astronomy  
Instrumen Res  
CAS  
Nanjing 210042  
China PR  
☎ 86 25 541 1776  
① 86 25 541 1872

**Xu Zhentao**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 31096  
① 86 25 301 459

**Xu Zhicai**

Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
① 86 25 301 459

## Y

**Yabushita Shin A**  
Dpt Appl Maths/Phys  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 51 2111  
☎ 81 75 753 7010

**Yabuuti Kiyoshi**  
20 Tanaka Higaski  
Hinokuch Mach  
Kyoto 606  
Japan

**Yahil Amos**  
Dpt Earth/Space Sci  
Astronomy Program  
Sunny at Stony Brook  
Stony Brook NY 11794 2100  
USA  
☎ 1 516 632 8224  
☎ 1 516 632 8240  
✉ Amos.Yahil@sunysb.edu

**Yakovlev Dmitry**  
Ioffe Physical Tech Inst  
Acad Sciences  
Polytechnicheskaya Ul 26  
194021 St Petersburg  
Russia

☎ 7 812 247 9368  
☎ 7 812 247 1017  
✉ yak%astro.pti.spb.su@main.  
ioffe.rssi.ru

**Yallop Bernard D**  
Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 1223 374 735  
☎ 44 12 23 374 700  
✉ bdy@mail.ast.cam.ac.uk

**Yamada Shoichi**  
MPE  
Postfach 1603  
D 85740 Garching  
Germany  
☎ 49 893 299 3247  
☎ 49 893 299 3235  
✉ shoichi@mpa-garching.  
mpg.de

**Yamada Yoshiyaki**  
Physics Dpt  
Kyoto Univ  
Sakyo Ku  
Kyoto 606 01  
Japan  
☎ 81 757 53 3844  
☎ 81 75 753 3886  
✉ yamada@scphys.kyoto-u.  
ac.jp

**Yamagata Tomohiko**  
Element/Second Edu Br  
Minstry Edu Sci/Cult  
Kasumigaseki Chiyoda  
Tokyo 100  
Japan  
☎ 81 335 81 4211\*2403  
☎ 81 424 40 8460  
✉ yamagata@omega.mtk.ia.  
s.u-tokyo.ac.jp

**Yamaguchi Shichiro**  
Fac of Eng  
Gifu Univ  
1 1 Yanagito  
Gifu 501 1193  
Japan  
☎ 81 582 30 1111

**Yamamoto Satoshi**  
Physics Dpt  
Univ of Tokyo  
7-3-1 Hongo Bunkyo-ku  
Tokyo 113  
Japan  
☎ 81 338 12 2111  
☎ 81 358 02 3325  
✉ yamamoto@phys.s.u-  
tokyo.ac.jp

**Yamamoto Tetsuo**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911  
☎ 81 427 59 4253

**Yamamoto Yoshiaki**  
Physics Dpt  
Konan Univ  
Okamoto 8 Higashinada  
Kobe 658  
Japan  
☎ 81 784 35 2485  
☎ 81 784 52 9502  
✉ yamamoto@apsun2.hep.  
konan-u.ac.jp

**Yamaoka Hitoshi**  
Dpt Physics/Faculty Sci  
Kyushu Univ  
4-2-1 Ropponmatsu Chuo-ku  
Fukuoka 810  
Japan  
☎ 81 92 726 4739  
☎ 81 92 726 4841  
✉ yamaoka@rc.kyushu-u.  
ac.jp

**Yamasaki Atsuma**  
Dpt Geoscience  
National defense Academy  
Hashirimizu  
Yokosuka 239  
Japan  
☎ 81 468 41 3810  
☎ 81 468 44 5902

**Yamashita Kojun**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 51 3911  
☎ 81 427 59 4253

**Yamashita Takuya**  
Ntl Astronomical Obs  
2 2 1 Osawa  
Mitaka  
Tokyo 181  
Japan  
☎ 81 422 34 3710  
☎ 81 422 34 3608  
✉ oyamash@cl.mtk.nao.  
ac.jp

**Yamashita Yasumasa**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 41 3740  
☎ 81 422 34 3793

**Yamauchi Makoto**  
Fac of Eng  
Miyazaki Univ  
Gakuen Kibanadai  
Miyazaki 889 21  
Japan  
☎ 81 985 58 2811\*4401  
☎ 81 985 58 0913  
✉ yamauchi@astro.miyazaki-  
u.ac.jp

**Yamauchi Shigeo**  
College Human Social Sc  
Iwate Univ  
Ueda 3  
Morioka 020  
Japan  
☎ 81 196 21 6817  
☎ 81 196 21 6715  
✉ yamauchi@hiryu.hss.  
iwate-u.ac.jp

**Yamazaki Akira**  
Hydrographic Dpt  
Geodesy/Geophys Div  
Tsukiji 5 Chuo Ku  
Tokyo 104  
Japan  
☎ 81 354 13 811  
☎ 81 3545 2885

**Yan Haojian**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
☎ 86 21 6438 4618

**Yan Jun**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 443 2817  
☎ 86 25 330 1459

**Yan Lin-shan**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
☎ 86 21 6438 4618

**Yang Fumin**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
☎ 86 21 6438 4618

**Yang Ji**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 443 2817  
☎ 86 25 330 1459

**Yang Jian**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
☎ 86 25 301 459

**Yang Ke-jun**  
Shaanxi Observ  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 332 255  
☎ 86 923 73 496

**Yang Lantian**  
Physics Dpt  
Huazhong Normal Univ  
Wuhan  
China PR  
☎ 86 75 601300

**Yang Pibo**  
Central China Normal Univ  
Physics Dpt  
Wuhan 430079  
China PR  
☎ 86 27 787 8444\*2889  
☎ 86 27 787 6070  
✉ pbyang@ccnu.edu.cn

**Yang Shijie**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
☎ 86 25 301 459

**Yang Stephenson L S**  
Dpt Phys/Astronomy  
Univ of Victoria  
Victoria BC V8W 3P6  
Canada  
☎ 1 250 721 8655  
☎ 1 250 721 7715  
✉ yang@beluga.phys.  
univ.ca

**Yang Tinggao**  
Shaanxi Observ  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 33 2255  
☎ 86 29 389 0196  
✉ csau@ms.sxso.ac.cn

**Yang Zhigen**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6487 6589  
☎ 86 21 6438 4618  
✉ yangz@center.shao.ac.cn

**Yankulova Ivanka**  
Astronomy Dpt  
Univ of Sofia  
Anton Ivanov St 5  
BG 1126 Sofia  
Bulgaria  
☎ 359 2 68 8176  
☎ 359 2 68 9085

**Yano Hajime**  
NASA/JSC  
Code SN2  
Houston TX 77058  
USA  
☎ 1 281 244 5018  
☎ 1 281 483 5347  
✉ hajime.yano1@jsc.  
nasa.gov

**Yanovitskij Edgard G**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
☎ 380 4426 62147

**Yao Baoan**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
☎ 86 21 6438 4618

**Yao Jinxing**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
☎ 86 25 301 459

**Yao Zhengqiu**  
NAIRC  
Box 864  
210042 Nanjing  
China PR  
☎ 86 255 40 5562  
☎ 86 255 40 5562  
✉ njalmost@public1.ptt.  
js.cn

**Yaplee B S**  
8 Crest View Ct  
Rockville MD 20854  
USA  
☎ 1 301 762 0935

**Yarov-Yarovoij M S**  
Mathematics Dpt  
MVTU  
Vtoraya Baumanskaya 5  
107005 Moscow  
Russia  
☎ 7 095 267 0392

**Yasuda Haruo**  
Nishihara Greenhaisu 6-405  
4-5-37 Nishihara-machi  
Tanashi-shi  
Tokyo 188  
Japan  
✉ ya@po.teleway.ne.jp

**Yatskiv Ya S**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 63110  
☎ 380 4422 46387  
✉ yatskiv@mao.kiev.ua

**Yau Kevin K C**  
CALTECH/JPL  
MS 230 101  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 393 5880  
☎ 1 818 393 1105  
✉ kevin.k.yau@jpl.  
nasa.gov

**Yavnel Alexander A**  
Meteorite Committee  
Acad Sciences  
Ulianovoj M Ul 3 K 1  
117313 Moscow  
Russia  
☎ 7 095 137 7538

**Ye Binxun**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1203  
☎ 86 1 256 10855

**Ye Shi-hui**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
☎ 86 25 301 459

**Ye Shuhua**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
☎ 86 21 6438 4618  
✉ ysh@center.shao.ac.cn

**Ye Wenwei**  
Inst Seismology  
State Seismo Bureau  
Xiao Hong Shan Wuhan  
Hubei 230026 Anhui  
China PR  
☎ 86 81 3401

**Yee Howard K C**  
Astronomy Dpt  
Univ of Toronto  
60 St George St  
Toronto ON M5S 1A1  
Canada  
☎ 1 416 978 4833  
☎ 1 416 978 3921  
✉ hyee@utorphys

**Yeh Tyan**  
HAO  
NCAR  
Box 3000  
Boulder CO 80307 3000  
USA  
☎ 1 303 497 5401  
☎ 1 303 497 1568

**Yelvin Y**  
Dpt Phys/Astronomy  
Tel Aviv Univ  
Ramat Aviv  
Tel Aviv 69978  
Israel  
☎ 972 3 640 8208  
☎ 972 3 640 8179

**Yengibarjan Norair**  
Byurakan Astrophys Observ  
Armenian Acad Sci  
378433 Byurakan  
Armenia  
☎ 374 88 52 28 3453/4142  
☎ 374 88 52 52 3640  
✉ yengib@bao.sci/bagrat@  
ffpmc.am

**Yeomans Donald K**  
CALTECH/JPL  
MS 301 150 G  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 2127  
☎ 1 818 393 1159  
✉ donald.k.yeomans@jpl.  
nasa.gov

**Yershov Vladimir N**  
Pulkovo Observ  
Acad Sciences  
10 Kutuzov Quay  
196140 St Petersburg  
Russia  
☎ 7 812 123 4494  
☎ 7 812 315 1701  
✉ yersh@gao.spb.su

**Yi Meiliang**  
Ctr for Astronomy  
Instrumen Res  
CAS  
Nanjing 210042  
China PR  
☎ 86 25 541 1776  
☎ 86 25 541 1872

**Yi Zhaohua**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 46700  
☎ 86 25 330 2728

**Yilmaz Fatma**  
Univ Observ  
Univ of Istanbul  
University 34452  
34452 Istanbul  
Turkey  
☎ 90 212 522 3597  
☎ 90 212 519 0834

**Yilmaz Nihal**  
Astronomy Dpt  
Univ of Ankara  
Fen Fakultesi  
06100 Besevler  
Turkey  
☎ 90 41 23 6550  
☎ 90 312 223 2395

**Yin Jisheng**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1203  
📠 86 1 256 10855

**Yin Qi-Feng**  
NRAO  
520 Edgemont Rd  
Charlottesville VA 22903  
USA  
☎ 1 804 296 0267  
📠 qyun@nrao.edu

**Yin Xinhui**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 330 3738  
📠 86 25 330 1459  
📠 yangguo@public1.ptt.js.cn

**Yock Philip**  
Physics Dpt  
Univ of Auckland  
Private Bag  
Auckland  
New Zealand  
☎ 64 9 373 7999\* 6838  
📠 64 9 308 2377  
📠 p.yock@auckland.ac.nz

**Yoder Charles F**  
CALTECH/JPL  
MS 183 150  
4800 Oak Grove Dr  
Pasadena CA 91109 8099  
USA  
☎ 1 818 354 2444  
📠 1 818 393 6030

**Yokosawa Masayoshi**  
Physics Dpt  
Ibaraki Univ  
2-1-1 Bunkyo Mito  
Ibaraki 310  
Japan  
☎ 81 292 26 1621

**Yokoyama Jun-ichi**  
YITP  
Kyoto Univ  
Gokanosho  
Uji 611  
Japan  
☎ 81 774 31 7431  
📠 81 774 33 6226  
📠 yokoyama@yisun1.yukawa.kyoto-u.ac.jp

**Yokoyama Koichi**  
Intl Latitude Observ  
NAOJ  
Hoshigaoka Mizusawa Shi  
Iwate 023  
Japan  
☎ 81 197 24 7111  
📠 81 197 22 7120

**Yokoyama Tadashi**  
Univ Estadual Paulista  
Instituto Fisica  
CP 178  
13500 Rio Claro  
Brazil  
☎ 55 195 34 0122

**Yoneyama Tadaoki**  
2-1-16 Hibarigaoka-kita  
Tokyo 202  
Japan

**Yoon Tae**  
Dpt Astron/Atmosph Sci  
Kyungpook Ntl Univ  
Taegu 702 701  
Korea RP  
☎ 82 53 950 6359  
📠 82 539 50 6360  
📠 yoons@bh.kyungpook.ac.kr

**York Donald G**  
Astronomy/Astrophys Ctr  
Univ of Chicago  
5640 S Ellis Av  
Chicago IL 60637  
USA  
☎ 1 312 962 8930  
📠 1 312 702 8212

**Yorke Harold W**  
Astronomisches Institut  
Univ Wuerzburg  
am Hubland  
D 97074 Wuerzburg  
Germany  
☎ 49 931 888 5301  
📠 49 931 888 4603

**Yoshida Atsumasa**  
Inst Physical/Chem Res  
RIKEN  
2 1 Hirosawa  
Wako Saitama 351 01  
Japan  
☎ 81 484 62 1111 \*3226  
📠 81 484 62 4640  
📠 ayoshida@postman.riken.go.jp

**Yoshida Haruo**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 41 3614  
📠 81 442 41 3793  
📠 yoshida@c1.mtk.nao.ac.jp

**Yoshida Junzo**  
Physics Dpt  
Kyoto Sangyo Univ  
Kamigamo  
Kyoto 603  
Japan  
☎ 81 757 01 2151  
📠 81 75 705 1640

**Yoshida Michitoshi**  
Okayama Astrophys Obs  
Kamogata-cho  
Asakuchi-gun  
Okayama 719 02  
Japan  
☎ 81 865 44 2155  
📠 81 865 44 2360  
📠 yoshida@oao.nao.ac.jp

**Yoshida Shigeomi**  
Kiso Observ  
Inst of Astronomy  
Mitake Kiso  
Nagano 397 01  
Japan  
☎ 81 264 52 3360  
📠 81 264 52 3361  
📠 yoshida@kiso.iao.s.u-tokyo.ac.jp

**Yoshii Yuzuru**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
📠 81 422 34 3793  
📠 yoshii@top.mtk.nao.ac.jp

**Yoshikawa Makoto**  
ISAS  
3 1 1 Yoshinodai  
Sagamihara  
Kanagawa 229 8510  
Japan  
☎ 81 427 59 8341  
📠 81 427 59 8341  
📠 makoto@pub.isas.ac.jp

**Yoshimura Hirokazu**  
Astronomy Dpt  
Univ of Tokyo  
Bunkyo Ku  
Tokyo 113  
Japan  
☎ 81 381 22 111  
📠 81 338 13 9439

**Yoshimura Motohiko**  
Physics Dpt  
Tohoku Univ  
Aramaki  
Sendai 980  
Japan  
☎ 81 222 22 1800  
📠 81 222 25 1891

**Yoshino Kouichi**  
Cfa  
HCO/SAO MS 50  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 2796  
📠 1 617 495 7455  
📠 yoshino@cfa.harvard.edu

**Yoshioka Kazuo**  
Univ of the Air  
Gunma Study Ctr  
1-13-2 Wakamiya-cho  
Maebashi City Gunma 371  
Japan  
☎ 81 27 230 1134  
📠 81 27 230 1094  
📠 yoshioka@u-air.ac.jp

**Yoshizawa Masanori**  
Tokyo Astronomical Obs  
NAOJ  
Osawa Mitaka  
Tokyo 181  
Japan  
☎ 81 422 32 5111  
📠 81 422 32 1924

**Yoss Kenneth M**  
Dpt Astron/Physics  
Univ of Illinois  
1011 W Springfield Av  
Urbana IL 61801  
USA  
☎ 1 217 333 3295  
📠 1 217 244 7638

**You Jianqi**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
📠 86 25 301 459

**You Junhan**  
Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 33 1134  
📠 86 551 33 1760

**Young Andrew T**  
Astronomy Dpt  
San Diego State Univ  
San Diego CA 92182  
USA  
☎ 1 619 594 5817  
📠 1 619 594 1413  
📠 aty@mintaka.sdsu.edu

**Young Arthur**  
Astronomy Dpt  
San Diego State Univ  
San Diego CA 92182  
USA  
☎ 1 619 265 6167  
📠 1 619 594 1413  
📠 young@minaka.sdsu.edu

**Young Judith Sharn**  
Five College  
RAO  
B619 Lederle Grad Res Twr  
Amherst MA 01003  
USA  
☎ 1 413 545 0789

**Young Louise Gray**  
Astronomy Dpt  
San Diego State Univ  
San Diego CA 92182  
USA  
☎ 1 619 287 8890  
📠 1 619 594 1413

**Younis Saad M**  
SARC  
Scientific Res Council  
Box 2441  
Jadiriya Baghdad  
Iraq  
☎ 964 1 776 5127

**Youssef Shahinaz M**  
Astronomy Dpt  
Fac of Sciences  
Cairo Univ  
Geza  
Egypt  
☎ 20 2 572 7022  
① 20 2 572 7556

**Youssef Nahed H**  
Astronomy Dpt  
Fac of Sciences  
Cairo Univ  
Geza  
Egypt  
☎ 20 2 572 7022  
① 20 2 572 7556

**Yu Kyung-Loh**  
Astronomy Dpt 55  
Seoul Ntl Univ  
Kwanak-ku  
Seoul 151 742  
Korea RP  
☎ 82 288 06621  
① 82 288 71435

**Yu Xin Alfred**  
Dpt Appl Maths  
Hong Kong Polytechnic  
Hung Hom  
Kowloon  
China PR  
☎ 852 376 66951  
① 852 336 29 045

**Yu Yan**  
Dpt Radiation Oncology  
Univ of Rochester  
601 Elmwood Av Box 647  
Rochester NY 14642  
USA  
✉ yu@deneb.mps.ohio-  
state.edu

**Yu Zhiyao**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618  
✉ zyyu@center.shao.ac.cn

**Yuan Chi**  
Physics Dpt  
City College of NY  
138 St Convene Av  
New York NY 10031  
USA  
☎ 1 212 690 6823

**Yuan Kuo-Chuan**  
Taipei Astronomical  
Museum  
N 363 Kee-Ho Rd  
Taipei  
China R  
☎ 886 2 594 9516  
① 886 2 591 0763

**Yuasa Manabu**  
Dpt Math/Physics  
Kinki Univ  
Higashi  
Osaka 577  
Japan

**Yudin Boris F**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 1661  
① 7 095 939 1661  
✉ yudin@sai.msu.su

**Yue Zengyuan**  
Dpt Geophysics  
Beijing Univ  
Beijing 100871  
China PR  
☎ 86 1 28 2471\*3888

**Yuldashbaev Taimas S**  
Astronomical Institute  
Uzbek Acad Sci  
Astronomicheskaya Ul 33  
700052 Tashkent  
Uzbekistan  
☎ 7 3712 35 8102

**Yumi Shigeru**  
Keyakidai 1-12-2 Kiyamacho  
Miyakigun  
Saga 841 02  
Japan

**Yun Hong-Sik**  
Astronomy Dpt  
Seoul Ntl Univ  
Kwanak Ku  
Seoul 151  
Korea RP  
☎ 82 288 06 621/22  
① 82 288 71435

**Yungelson Lev R**  
Inst of Astronomy  
Acad Sciences  
Pyatnitskaya Ul 48  
109017 Moscow  
Russia  
☎ 7 095 231 5461  
① 7 095 230 2081

## Z

**Zabolotny Vladimir F**  
Astro Space Ctr  
Lebedev Physical Inst  
Profsoyuznaya 84/32  
Moscow 117924  
Russia  
☎ 7 095 333 1555  
☎ 7 095 333 2378

**Zabriskie F R**  
RD 1  
Alexandria PA 16611  
USA  
☎ 1 814 669 4483

**Zachariadis Theodosios**  
Res Ctr Astronomy  
Acad Athens  
14 Anagnostopoulou St  
GR 106 73 Athens  
Greece  
☎ 30 1 361 3589  
☎ 30 1 363 1606  
✉ exaka20@grathun1

**Zacharias Norbert**  
USNO/CTIO  
950 N Cherry Av.  
Tucson AZ 85719  
USA  
☎ 1 520 318 470  
✉ nz@ctioj8.ctio.noao.edu

**Zacharov Igor**  
Astronomical Institute  
Czech Acad Sci  
Fricova 1  
CZ 251 65 Ondrejov  
Czech R  
☎ 420 204 85 7239  
☎ 420 2 88 1611  
✉ astsun@csearn

**Zachilas Loukas**  
Dpt Civil Eng  
Univ of Thessalia  
Pedio Areos  
GR 383 34 Volos  
Greece  
☎ 30 42 16 9781\*122  
☎ 30 42 162660  
✉ zachilas@rigas.uth.gr

**Zadunaisky Pedro E**  
Univers Buenos Aires  
Fac Cienc Exactas Math  
Ciud Univer Pabl  
1428 Buenos Aires  
Argentina

**Zafiropoulos Basil**  
Physics Dpt  
Univ of Patras  
GR 261 10 Rion  
Greece  
☎ 30 61 99 7572  
☎ 30 61 99 7636

**Zagretidinov Renat**  
Astronomy Dpt  
Kazan State Univ  
Kremlevskaya Str 18  
Kazan 420008  
Russia  
☎ 7 843 238 7695  
✉ Renat.Zagretidinov@ksu.ru

**Zahn Jean-Paul**  
Observ Paris Meudon  
DASGAL  
PI J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7804  
☎ 33 1 45 07 7878  
✉ zahn@obsppm.fr

**Zaitsev Valerii V**  
Inst Applied Physics  
Acad Sciences  
Ulyanov Ul 46  
603600 N Novgorod  
Russia  
☎ 7 831 236 7253  
☎ 7 831 236 2061

**Zakharova Polina E**  
Ural State Univ  
Astronomical Observ  
Lenin Av 51  
Ekaterinburg 620083  
Russia  
☎ 7 343 261 5431  
☎ 7 343 255 5964  
✉ Polina.Zakharova@usu.ru

**Zakhozhaev Volodimir**  
Timurovstev St 70 Apt 58  
310204 Kharkiv  
Ukraine  
☎ 380 5726 34630  
✉ zkh@astron.kharkov.ua

**Zambon Giulio**  
21 Res Sequoia  
F 91400 Orsay  
France

**Zambrano Alejandro**  
ROA  
Cecilio Pujazon 22-3 A  
E 11110 San Fernando  
Spain  
☎ 34 5 688 3548  
☎ 34 5 689 9302  
✉ ccgeneral@czv1.uca.es

**Zamorani Giovanni**  
Istt Radioastronomia  
CNR  
Via P Gobetti 101  
I 40129 Bologna  
Italy  
☎ 39 51 639 9385  
☎ 39 51 639 9385

**Zamorano Jaime**  
Dpt Astrofisica  
Fac Fisica  
Univ Complutense  
E 28040 Madrid  
Spain  
☎ 34 1 394 5195  
☎ 34 1 394 4590  
✉ jaz@ucmast.fis.ucm.es

**Zampieri Luca**  
Physics Dpt  
Univ of Illinois  
1110 W Green St  
Urbana IL 61801 3080  
USA  
☎ 1 217 333 2807  
☎ 1 217 333 9819  
✉ zampieri@donald.physics.uiuc.edu

**Zander Rodolphe**  
Inst Astrophysique  
Universite Liege  
Av Cointe 5  
B 4000 Liege  
Belgium  
☎ 32 4 254 7510  
☎ 32 4 254 7511  
✉ zander@astro.ulg.ac.be

**Zaninetti Lorenzo**  
Istt Fisica  
Univ d Torino  
Corso d Azeglio 46  
I 10125 Torino  
Italy  
☎ 39 11 657 694

**Zappala Rosario Aldo**  
Istt Astronomia  
Citta Universitaria  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 \*493  
☎ 39 95 33 0592

**Zappala Vincenzo**  
Osserv Astronomico  
d Torino  
St Osservatorio 20  
I 10025 Pino Torinese  
Italy  
☎ 39 11 461 9035  
☎ 39 11 461 9030  
✉ zappala@to.astro.it

**Zare Khalil**  
Aerospace Eng Dpt  
Univ of Texas  
WRW 414  
Austin TX 78712  
USA  
☎ 1 512 471 4234  
☎ 1 512 471 3788  
✉ aozy757@emx.cc.utexas.edu

**Zarnecki Jan Charles**  
Unit for Space Sci  
Univ of Kent  
Canterbury CT2 7NR  
UK  
☎ 44 12 27 764 000  
☎ 44 12 27 762 616  
✉ jcz@ukcc.ac.uk

**Zarro Dominic M**  
NASA GSFC  
Code 682  
Greenbelt MD 20771  
USA  
☎ 1 301 286 4689  
☎ 1 301 286 1617

**Zasov Anatole V**  
SAI  
Acad Sciences  
Universitetskij Pr 13  
119899 Moscow  
Russia  
☎ 7 095 939 2858  
☎ 7 095 939 0126

**Zavagno Annie**  
Observ Marseille  
2 Pl Le Verrier  
F 13248 Marseille Cdx 04  
France  
☎ 33 4 91 95 9088  
☎ 33 4 91 62 1190  
✉ zavagno@obmara.cnrs-mrs.fr

**Zavatti Franco**  
Dpt Astronomia  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 301  
☎ 39 51 259 407  
✉ zavatti@astbo4.bo.astro.it

**Zayer Igor**  
Lockheed Palo Alto Res Lb  
Dpt 91 30 Bg 252  
3251 Hanover St  
Palo Alto CA 94304 1191  
USA  
☎ 1 415 424 3545  
☎ 1 415 424 3994  
✉ izayer@solar.stanford.edu

**Zdanavicius Kazimeras**  
Inst Theor Physics/  
Astronomy  
Gostauto 12  
Vilnius 2600  
Lithuania  
☎ 370 2 612 898  
① 370 2 224 696  
✉ astro@itpa.ft.ly

**Zdunik Julian**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
① 48 22 41 0828  
✉ jlz@camk.edu.pl

**Zdziarski Andrzej**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
① 48 22 41 0828  
✉ aaz@camk.edu.pl

**Zealey William J**  
Dpt Eng Physics  
Univ of Wollongong  
Northfields Av  
Wollongong NSW 2522  
Australia  
☎ 61 242 213 522  
① 61 242 215 944  
✉ b.zealey@uow.edu.au

**Zelik Michael Ii**  
Dpt Phys/Astronomy  
Univ New Mexico  
800 Yale Blvd Ne  
Albuquerque NM 87131  
USA  
☎ 1 505 277 4442

**Zellinger Werner W**  
Inst Astronomie  
Univ Wien  
Tuerkenschanzstr 17  
A 1180 Wien  
Austria  
☎ 43 1 470 6800\*175  
① 43 1 470 6015  
✉ wzeil@doradus.ast.univie.ac.at

**Zeippen Claude**  
Observ Paris Meudon  
DAEC  
Pl J Janssen  
F 92195 Meudon PPL Cdx  
France  
☎ 33 1 45 07 7443  
① 33 1 45 07 7971

**Zekl Hans Wilhelm**  
Odenwaldstr 7  
D 64683 Einhausen  
Germany  
☎ 49 625 158 8650  
① 49 625 170 0140  
✉ zekih@rhein-neckar.netsurf.de

**Zelenka Antoine**  
Dachslenbergstr 56  
CH 8180 Buelach  
Switzerland  
☎ 41 1 860 5156

**Zellner Benjamin H**  
Physics Dpt  
Georgia Southern Univ  
Landrum Box 8031  
Statesboro GA 30460  
USA  
☎ 1 912 681 0080  
① 1 912 681 0471  
✉ zellner@gsvms2.cc.gasou.edu

**Zeng Qin**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 30 8516  
① 86 25 301 459  
✉ qinzeng@public1.ptt.js.cn

**Zeng Zhifang**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6254 5179  
① 86 1 256 10855  
✉ zfzeng@bao01.bao.ac.cn

**Zensus J-Anton**  
RAIUB  
Univ Bonn  
auf d Huegel 96  
D 53121 Bonn  
Germany  
☎ 1 228 525 378  
① 1 228 525 435  
✉ azensus@mpifr-bonn.mpg.de

**Zepf Stephen Edward**  
Astronomy Dpt  
Univ of California  
601 Campbell Hall  
Berkeley CA 94720 3411  
USA  
☎ 1 510 642 4075  
① 1 510 642 3411  
✉ zepf@astron.berkeley.edu

**Zerull Reiner H**  
Bereich Extraterre Physik  
Ruhr Univ Bochum  
Postfach 102148  
D 46047 Bochum  
Germany  
☎ 49 234 700 4576  
① 49 234 709 4169

**Zhagar Youri H**  
Astronomical Observ  
Latvian State Univ  
Rainis Bul 19  
LV 226098 Riga  
Latvia  
☎ 371 13 2 223149  
① 371 782 0180

**Zhai Disheng**  
Beijing Astronomical Obs  
CAS

W Suburb  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Zhai Zaocheng**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Zhanf Shouzhong**  
414 West 120 St  
Apt 401  
New York NY 10027  
USA  
☎ 1 212 666 4689

**Zhang Bairong**  
Yunnan Observ<sup>†</sup>  
CAS  
Kunming 650011  
China PR  
☎ 86 871 2035  
① 86 871 717 1845

**Zhang Bin**  
Dpt Geophysics  
Beijing Univ  
Beijing 100071  
China PR  
☎ 86 1 28 2471\*3888

**Zhang Cheng-Yue**  
STScI  
Homewood Campus  
3700 San Martin Dr  
Baltimore MD 21218  
USA  
☎ 1 301 516 6864  
① 1 301 516 8981  
✉ zhang@stsci.edu

**Zhang Er-Ho**  
Astronomy Dpt  
Univ of Texas  
Rlm 15 220  
Austin TX 78712 1083  
USA  
☎ 1 512 471 4462  
① 1 512 471 6016

**Zhang Fujun**  
Shanghai Observ<sup>†</sup>  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Zhang Guo-Dong**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Zhang Heqi**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
① 86 25 301 459

**Zhang Hui**  
Shaanxi Observ  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 33 2255  
① 86 9237 3496

**Zhang Jiahui**  
Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 33 1134  
① 86 551 33 1760

**Zhang Jian**  
Astrophysics Div  
Dpt Geophysics  
Beijing Univ  
Beijing 100871  
China PR  
☎ 86 10 6275 3146  
① 86 10 6256 4095  
✉ jianzhan@pku.edu.cn

**Zhang Jiexiang**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
① 86 25 301 459

**Zhang Jin**  
URUMQI Astronomical Stat  
CAS  
40 South Beijing Rd  
Xinjiang 830011  
China PR  
☎ 86 99 138 39979  
① 86 0991 3838628  
✉ uao@rose.cnc.ac.cn

**Zhang Jintong**  
Inst Geodesy/  
Geophysics  
Xu Dong Lu  
Wuchang 430077  
China PR

**Zhang Peiyu**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 37521  
① 86 25 301 459

**Zhang Xiaolei**  
CfA  
HCO/SAO MS 78  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7020  
① 1 617 496 7554  
✉ xzhang@cfa.harvard.edu

- Zhang Xiuzhong**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618
- Zhang Xizhen**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6262 5498  
① 86 1 256 10855  
✉ zxz@class1.bao.ac.cn
- Zhang Yang**  
Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 360 3801  
① 86 551 33 1760  
✉ yz@cfasun.cfa.ustc.edu.cn
- Zhang Youyi**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
① 86 25 301 459
- Zhang Zhen-Jiu**  
Physics Dpt  
Huazhong Normal Univ  
Wuhan  
China PR  
☎ 86 75 601 6908
- Zhang Zhenda**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 34651\*2882  
① 86 25 330 2728
- Zhang Zheng-Pan**  
CRESS  
York Univ  
4700 Keele St  
North York ON M3J 1P3  
Canada  
☎ 1 416 512 1400  
① 1 416 512 0791  
✉ sheng@stpl.ists.ca
- Zhao Changyin**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 331 1632  
① 86 25 331 1632  
✉ wlda@public2.bta.net.cn
- Zhao Gang**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 257 8296  
① 86 1 256 10855
- Zhao Gang**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618  
✉ gzhaobao01.bao.ac.cn
- Zhao Jun Hui**  
CfA  
HCO/SAO MS 78  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7294  
① 1 617 496 7554  
✉ jzhao@cfa.harvard.edu
- Zhao Junliang**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618
- Zhao Ming**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618
- Zhao Renyang**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855
- Zhao Yongheng**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 257 8296  
① 86 1 256 10855  
✉ yac@bao01.bao.ac.cn
- Zhao Zhaowang**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6256 9840  
① 86 1 256 10855  
✉ zzwang@bao01.bao.ac.cn
- Zharkov Vladimir N**  
Inst Phys of the Earth  
Acad Sciences  
Gruzinskaya 10  
123342 Moscow  
Russia  
☎ 7 095 254 5251
- Zharkova Valentina**  
Dpt Phys/Astronomy  
Univ of Glasgow  
Glasgow G12 8QQ  
UK  
☎ 44 141 339 8855\*4153  
① 44 141 334 9029  
✉ vzharkova@solar.stanford.edu
- Zhdanov Valery**  
Astronomical Observ  
Kyiv State Univ  
Observatorna Str 3  
254053 Kyiv  
Ukraine  
☎ 380 4451 31492/216 2691  
✉ aoku@gluk.apc.org
- Zhekov Svetozar A**  
Space Res Inst  
Bulgarian Acad Sci  
Moskovska Str 6  
BG 1000 Sofia  
Bulgaria  
☎ 359 2 88 3503  
① 359 2 80 1347  
✉ szhekov@bgearn.acad.bg
- Zhelezniakov Vladimir V**  
Inst Applied Physics  
Acad Sciences  
Ulyanov Ul 46  
603600 N Novgorod  
Russia  
☎ 7 831 236 7253  
① 7 831 236 2061
- Zhelyazkov Ivan**  
Fac of Physics  
Univ of Sofia  
Anton Ivanov St 5  
BG 1164 Sofia  
Bulgaria  
☎ 359 2 62 56641  
① 359 2 96 25 276  
✉ izh@phys.uni-sofia.bg
- Zheng Dawei**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618
- Zheng Jia-Qing**  
Turku Univ  
Tuorla Observ  
Vaesisaelantie 20  
FIN 21500 Piikkiö  
Finland  
☎ 358 2 274 4254  
① 358 2 243 3767  
✉ zheng@sara.utu.fi
- Zheng Wei**  
CAS  
JHU  
Charles/34th St  
Baltimore MD 21218 2695  
USA  
☎ 1 301 516 5459  
① 1 410 516 8260  
✉ zheng@pha.jhu.edu
- Zheng Xinwu**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 3593445  
① 86 25 330 2728  
✉ xwzheng@nju.edu.cn
- Zheng Xuetao**  
Applied Phys Dpt  
E China Inst of  
Technology  
Nanjing 210014  
China PR
- Zheng Yijia**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855
- Zheng Ying**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 46700  
① 86 25 301 459
- Zhevakin S A**  
Radiophysical Res  
Inst  
Lyadov Ul 25/14  
603600 N Novgorod  
Russia  
☎ 7 831 236 6751  
① 7 831 236 9902
- Zhilyaev Boris**  
Main Astronomical Obs  
Ukrainian Acad Science  
Golosiiv  
252650 Kyiv 22  
Ukraine  
☎ 380 4426 64769  
① 380 4426 62147  
✉ mauas@gluk.apc.org
- Zhong Hongqi**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6261 2194  
① 86 1 256 10855  
✉ zh@sun10.bao.ac.cn
- Zhong Min**  
Inst Geodesy/  
Geophysics  
Xu Dong Rd  
Wuhan 430077  
China PR  
☎ 86 27 681 3841  
① 86 27 681 3841  
✉ lab@asch.whigg.ac.cn
- Zhou Aihua**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 330 5218/335 0752  
① 86 25 330 1459  
✉ pmoyl@ba001.bao.ac.cn



**Zhou Daoqi**  
Dpt Geophysics  
Beijing Univ  
Beijing 100871  
China PR  
☎ 86 1 28 2471\*3888

**Zhou Hongnan**  
Physics Dpt  
Nanjing Normal Univ  
Nanjing 210097  
China PR  
☎ 86 25 371 6641  
① 86 25 330 2728

**Zhou Ti-jian**  
Dpt Geophysics  
Beijing Univ  
Beijing 100871  
China PR  
☎ 86 1 28 2471\*3888

**Zhou Xu**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6253 6437  
① 86 1 256 10855  
✉ zhouxu@qso.bao.ac.cn

**Zhou Youyuan**  
Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 33 1134  
① 86 551 33 1760

**Zhou Zhenpu**  
Purple Mountain Obs  
CAS  
Nanjing 210008  
China PR  
☎ 86 25 33738  
① 86 25 301 459

**Zhu Cisheng**  
Astronomy Dpt  
Nanjing Univ  
Nanjing 210093  
China PR  
☎ 86 25 37551\*2882  
① 86 25 330 2728

**Zhu Jin**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 10 6253 6437  
① 86 1 256 10855  
✉ jinzhu@sun.ihep.ac.cn

**Zhu Nenghong**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Zhu Shichang**  
Physics Dpt  
Shanghai Teachers Univ  
10 Gillin Rd  
Shanghai  
China PR  
☎ 86 21 384 301

**Zhu Wenyaoyao**  
Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
① 86 21 6438 4618

**Zhu Xingfeng**  
Astrophysics Division  
Univ Science/Technology  
Hefei 230026  
China PR  
☎ 86 551 33 1134  
① 86 551 33 1760

**Zhu Yaozhong**  
Inst Geodesy/  
Geophysics  
Xu Dong Lu  
Wuchang 430077  
China PR  
☎ 86 551 81 3401

**Zhu Yonghe**  
Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
① 86 1 256 10855

**Zhu Yongtian**  
Ctr for Astronomy  
Instrument Res  
CAS  
Nanjing 210042  
China PR  
☎ 86 25 541 1776  
① 86 25 540 5562

**Zhu Zi**  
Shaanxi Observ  
CAS  
Box 18  
Lintong 710600  
China PR  
☎ 86 29 389 0425  
① 86 29 3890196  
✉ pub2@ms.xsxo.ac.cn

**Zhuang Qixiang**  
Bondar Clegg/Co Ltd  
NRCC  
5420 Canotec Rd  
Ottawa ON K1J 8X5  
Canada  
☎ 1 613 749 2220

**Zhuang Weifeng**  
Library  
Shantou Univ  
Shantou  
China PR

**Zhugzda Yuzef D**  
ITMIRWP  
Acad Sciences  
142092 Troitsk  
Russia  
☎ 7 095 334 0120  
① 7 095 334 0124

**Zickgraf Franz Josef**  
Landessternwarte  
Koenigstuhl  
D 69117 Heidelberg  
Germany  
☎ 49 622 150 9223  
① 49 622 150 9202  
✉ fzickgr@mail.lsw.uni-heidelberg.de

**Zieba Stanislaw**  
Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
① 48 12 25 1318

**Ziegler Harald**  
HRZ  
Univ Dortmund  
Postfach 1621  
D 44221 Dortmund  
Germany  
☎ 49 231 755 2039  
① 49 231 755 2731  
✉ h.ziegler@hrz.uni-dortmund.de

**Zijlstra Albert**  
Physics Dpt  
UMIST  
Box 88  
Manchester M60 1QD  
UK  
☎ 44 161 200 3925  
① 44 161 200 3669  
✉ aaz@iapetus.phy.umist.ac.uk

**Zikides Michael C**  
Astronomy Dpt  
Ntl Univ Athens  
Panepistimiopolis  
GR 157 84 Zografos  
Greece  
☎ 30 1 724 3414  
① 30 1 723 5122

**Zimmermann Helmut**  
Astrophysik Inst  
Univ Stern \* arte  
Schillergaesschen 2  
D 07745 Jena  
Germany  
☎ 49 364 163 0323  
① 49 364 163 0417

**Zinn Robert J**  
Astronomy Dpt  
Yale Univ  
Box 208101  
New Haven CT 06520 8101  
USA  
☎ 1 203 436 3460  
① 1 203 432 5048

**Zinnecker Hans**  
Astrophysik Inst  
Potsdam Univ  
an d Sternwarte 16  
D 14482 Potsdam  
Germany  
☎ 49 331 749 9347  
① 49 331 749 9267  
✉ hzinnecker@aip.de

**Ziolkowski Janusz**  
Copernicus Astron Ctr  
Polish Acad Sci  
Ul Bartycka 18  
PL 00 716 Warsaw  
Poland  
☎ 48 22 41 1086  
① 48 22 41 0828

**Ziolkowski Krzysztof**  
Space Res Ctr  
Polish Acad Sci  
Ul Ordonia 21  
PL 01 237 Warsaw  
Poland  
☎ 48 22 40 3766  
① 48 22 36 8961

**Zirin Harold**  
CALTECH  
MS 264 33  
Pasadena CA 91125  
USA  
☎ 1 818 356 3857  
① 1 818 395 3814

**Zirker Jack B**  
AFGL  
NSO  
Sunspot NM 88349  
USA  
☎ 1 505 434 1390  
① 1 504 434 7029

**Zitelli Valentina**  
Dpt Astronomia  
Univ d Bologna  
Via Zamboni 33  
I 40126 Bologna  
Italy  
☎ 39 51 259 301  
① 39 51 259 407

**Ziurys Lucy Marie**  
Chemistry Dpt  
Arizona State Univ  
Tempe AZ 85287 1604  
USA  
☎ 1 602 965 7278  
① 1 602 965 2747  
✉ ziurys@asuchem.la.asu.edu

**Ziznovsky Jozef**  
Astronomical Institute  
Slovak Acad Sci  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 96 7866  
① 421 969 96 7656  
✉ ziga@ta3.sk

**Zlobec Paolo**

OAT  
Box Succ Trieste 5  
Via Tiepolo 11  
I 34131 Trieste  
Italy  
☎ 39 40 31 99255  
📠 39 40 30 9418

**Zlotnik Elena Ya**

Inst Applied Physics  
Acad Sciences  
Ulyanov Ul 46  
603600 N Novgorod  
Russia  
☎ 7 831 236 3519  
📠 7 831 236 2081

**Zola Stanislaw**

Astronomical Observ  
Krakow Jagiellonian Univ  
Ul Orla 171  
PL 30 244 Krakow  
Poland  
☎ 48 12 25 1294  
📠 48 12 25 1318  
✉ zola@oa.uj.edu.pl

**Zombeck Martin V**

CfA  
HCO/SAO  
60 Garden St  
Cambridge MA 02138 1516  
USA  
☎ 1 617 495 7227  
📠 1 617 495 7700  
✉ mvz@cfa.harvard.edu

**Zorec Juan**

IAP  
98bis bd Arago  
F 75014 Paris  
France  
☎ 33 1 44 32 8121  
📠 33 1 44 32 8001

**Zosimovich Irina D**

Inst of History  
Ukrainian Acad Science  
Kirov Ul 4  
252001 Kyiv  
Ukraine  
☎ 380 4429 0272

**Zou Huicheng**

Shanghai Observ  
CAS  
80 Nandan Rd  
Shanghai 200030  
China PR  
☎ 86 21 6438 6191  
📠 86 21 6438 4618

**Zou Yixun**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1261  
📠 86 1 256 10855

**Zou Zhenlong**

Beijing Astronomical Obs  
CAS  
Beijing 100080  
China PR  
☎ 86 1 28 1698  
📠 86 1 256 10855

**Zsoldos Endre**

Konkoly Observ  
Thege U 13/17  
Box 67  
H 1525 Budapest  
Hungary  
☎ 36 1 375 4122  
📠 36 1 275 4668  
✉ zsoldos@ogyalla.konkoly.hu

**Zuccarello Francesca**

Istt Astronomia  
Citta Universitaria  
Via A Doria 6  
I 95125 Catania  
Italy  
☎ 39 95 733 21111  
📠 39 95 33 0592

**Zuckerman Ben M**

Dpt Astronomy/Phys  
UCLA  
Box 951562  
Los Angeles CA 90025 1562  
USA  
☎ 1 310 825 9338  
📠 1 310 206 2096

**Zuiderwijk Edwardus J**

Royal Greenwich Obs  
Madingley Rd  
Cambridge CB3 0EZ  
UK  
☎ 44 12 23 374 868  
📠 44 12 23 374 700  
✉ ejz@ast.cam.ac.uk

**Zverko Juraj**

Astronomical Institute  
Slovak Acad Sci  
SK 059 60 Tatranska Lomni  
Slovak Republic  
☎ 421 969 96 7866  
📠 421 969 96 7656  
✉ zverko@ta3.sk

**Zvolankova Judita**

Astronomical Institute  
Slovak Acad Sci  
Dubravska 9  
SK 842 28 Bratislava  
Slovak Republic  
☎ 421 7 37 5157  
📠 421 7 37 5157

**Zwaan Cornelis**

Sterrekundig Inst Utrecht  
Box 80000  
NL 3508 TA Utrecht  
Netherlands  
☎ 31 30 253 5223  
📠 31 30 253 1601  
✉ zwaan@astro.uu.nl

**Zwitter Tomaz**

Astron Observ  
Univ E Kardelj  
Jadranska 19  
Ljubljana  
Slovenia  
☎ 386 61 265 061  
📠 386 61 217 281  
✉ zwitter@itssissa

**Zylka Robert**

RAIUB  
Univ Bonn  
auf d Huegel 69  
D 53121 Bonn  
Germany  
☎ 49 228 525 376  
📠 49 228 525 229  
✉ rzylka@mpifr-bonn.mpg.de