

**ASP CONFERENCE SERIES VOLUMES**

**and**

**INTERNATIONAL ASTRONOMICAL UNION (IAU)**  
**SYMPOSIA VOLUMES**

**Published by**



**Astronomical Society of the Pacific**

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1988 (\* asterisk means OUT OF STOCK)**

- Vol. CS -1      PROGRESS AND OPPORTUNITIES IN SOUTHERN HEMISPHERE OPTICAL ASTRONOMY: CTIO 25<sup>TH</sup> Anniversary Symposium  
ed. V. M. Blanco and M. M. Phillips  
ISBN 0-937707-18-X
- Vol. CS-2      PROCEEDINGS OF A WORKSHOP ON OPTICAL SURVEYS FOR QUASARS  
ed. Patrick S. Osmer, Alain C. Porter, Richard F. Green, and Craig B. Foltz  
ISBN 0-937707-19-8
- Vol. CS-3      FIBER OPTICS IN ASTRONOMY  
ed. Samuel C. Barden  
ISBN 0-937707-20-1
- Vol. CS-4      THE EXTRAGALACTIC DISTANCE SCALE:  
Proceedings of the ASP 100<sup>th</sup> Anniversary Symposium  
ed. Sidney van den Bergh and Christopher J. Pritchet  
ISBN 0-937707-21-X
- Vol. CS-5      THE MINNESOTA LECTURES ON  
CLUSTERS OF GALAXIES AND LARGE-SCALE STRUCTURE  
ed. John M. Dickey  
ISBN 0-937707-22-8

### **PUBLISHED: 1989**

- Vol. CS-6      SYNTHESIS IMAGING IN RADIO ASTRONOMY:  
A Collection of Lectures from the Third NRAO Synthesis Imaging Summer School  
ed. Richard A. Perley, Frederic R. Schwab, and Alan H. Bridle  
ISBN 0-937707-23-6
- Vol. CS-7      PROPERTIES OF HOT LUMINOUS STARS: Boulder-Munich Workshop  
ed. Catharine D. Garmany  
ISBN 0-937707-24-4

### **PUBLISHED: 1990**

- Vol. CS-8\*      CCDs IN ASTRONOMY  
ed. George H. Jacoby  
ISBN 0-937707-25-2
- Vol. CS-9      COOL STARS, STELLAR SYSTEMS, AND THE SUN: Sixth Cambridge Workshop  
ed. George Wallerstein  
ISBN 0-937707-27-9
- Vol. CS-10\*      EVOLUTION OF THE UNIVERSE OF GALAXIES: Edwin Hubble Centennial Symposium  
ed. Richard G. Kron  
ISBN 0-937707-28-7
- Vol. CS-11      CONFRONTATION BETWEEN STELLAR PULSATION AND EVOLUTION  
ed. Carla Cacciari and Gisella Clementini  
ISBN 0-937707-30-9
- Vol. CS-12      THE EVOLUTION OF THE INTERSTELLAR MEDIUM  
ed. Leo Blitz  
ISBN 0-937707-31-7

### **PUBLISHED: 1991**

- Vol. CS-13      THE FORMATION AND EVOLUTION OF STAR CLUSTERS  
ed. Kenneth Janes  
ISBN 0-937707-32-5

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1991 (\* asterisk means OUT OF STOCK)**

- Vol. CS-14      **ASTROPHYSICS WITH INFRARED ARRAYS**  
ed. Richard Elston  
ISBN 0-937707-33-3
- Vol. CS-15      **LARGE-SCALE STRUCTURES AND PECULIAR MOTIONS IN THE UNIVERSE**  
ed. David W. Latham and L. A. Nicolaci da Costa  
ISBN 0-937707-34-1
- Vol. CS-16      **Proceedings of the 3<sup>rd</sup> Haystack Observatory Conference on  
ATOMS, IONS, AND MOLECULES: NEW RESULTS IN SPECTRAL LINE ASTROPHYSICS**  
ed. Aubrey D. Haschick and Paul T. P. Ho  
ISBN 0-937707-35-X
- Vol. CS-17      **LIGHT POLLUTION, RADIO INTERFERENCE, AND SPACE DEBRIS**  
ed. David L. Crawford  
ISBN 0-937707-36-8
- Vol. CS-18      **THE INTERPRETATION OF MODERN SYNTHESIS OBSERVATIONS OF SPIRAL GALAXIES**  
ed. Nebojsa Duric and Patrick C. Crane  
ISBN 0-937707-37-6
- Vol. CS-19      **RADIO INTERFEROMETRY: THEORY, TECHNIQUES, AND APPLICATIONS,  
IAU Colloquium 131**  
ed. T. J. Cornwell and R. A. Perley  
ISBN 0-937707-38-4
- Vol. CS-20      **FRONTIERS OF STELLAR EVOLUTION: 50<sup>th</sup> Anniversary McDonald Observatory (1939-1989)**  
ed. David L. Lambert  
ISBN 0-937707-39-2
- Vol. CS-21      **THE SPACE DISTRIBUTION OF QUASARS**  
ed. David Crampton  
ISBN 0-937707-40-6

### **PUBLISHED: 1992**

- Vol. CS-22      **NONISOTROPIC AND VARIABLE OUTFLOWS FROM STARS**  
ed. Laurent Drissen, Claus Leitherer, and Antonella Nota  
ISBN 0-937707-41-4
- Vol. CS-23      **ASTRONOMICAL CCD OBSERVING AND REDUCTION TECHNIQUES**  
ed. Steve B. Howell  
ISBN 0-937707-42-4
- Vol. CS-24      **COSMOLOGY AND LARGE-SCALE STRUCTURE IN THE UNIVERSE**  
ed. Reinaldo R. de Carvalho  
ISBN 0-937707-43-0
- Vol. CS-25      **ASTRONOMICAL DATA ANALYSIS, SOFTWARE AND SYSTEMS I - (ADASS I)**  
ed. Diana M. Worrall, Chris Biemesderfer, and Jeannette Barnes  
ISBN 0-937707-44-9
- Vol. CS-26      **COOL STARS, STELLAR SYSTEMS, AND THE SUN: Seventh Cambridge Workshop**  
ed. Mark S. Giampapa and Jay A. Bookbinder  
ISBN 0-937707-45-7
- Vol. CS-27      **THE SOLAR CYCLE:**  
**Proceedings of the National Solar Observatory/Sacramento Peak 12<sup>th</sup> Summer Workshop**  
ed. Karen L. Harvey  
ISBN 0-937707-46-5

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1992 (asterisk means OUT OF STOCK)**

- Vol. CS-28      AUTOMATED TELESCOPES FOR PHOTOMETRY AND IMAGING  
ed. Saul J. Adelman, Robert J. Dukes, Jr., and Carol J. Adelman  
ISBN 0-937707-47-3
- Vol. CS-29      Viña del Mar Workshop on CATAclysmic VARIABLE STARS  
ed. Nikolaus Vogt  
ISBN 0-937707-48-1
- Vol. CS-30      VARIABLE STARS AND GALAXIES  
ed. Brian Warner  
ISBN 0-937707-49-X
- Vol. CS-31      RELATIONSHIPS BETWEEN ACTIVE GALACTIC NUCLEI AND STARBURST GALAXIES  
ed. Alexei V. Filippenko  
ISBN 0-937707-50-3
- Vol. CS-32      COMPLEMENTARY APPROACHES TO DOUBLE AND MULTIPLE STAR RESEARCH,  
IAU Colloquium 135  
ed. Harold A. McAlister and William I. Hartkopf  
ISBN 0-937707-51-1
- Vol. CS-33      RESEARCH AMATEUR ASTRONOMY  
ed. Stephen J. Edberg  
ISBN 0-937707-52-X
- Vol. CS-34      ROBOTIC TELESCOPES IN THE 1990s  
ed. Alexei V. Filippenko  
ISBN 0-937707-53-8

### **PUBLISHED: 1993**

- Vol. CS-35\*      MASSIVE STARS: THEIR LIVES IN THE INTERSTELLAR MEDIUM  
ed. Joseph P. Cassinelli and Edward B. Churchwell  
ISBN 0-937707-54-6
- Vol. CS-36      PLANETS AROUND PULSARS  
ed. J. A. Phillips, S. E. Thorsett, and S. R. Kulkarni  
ISBN 0-937707-55-4
- Vol. CS-37      FIBER OPTICS IN ASTRONOMY II  
ed. Peter M. Gray  
ISBN 0-937707-56-2
- Vol. CS-38      NEW FRONTIERS IN BINARY STAR RESEARCH: Pacific Rim Colloquium  
ed. K. C. Leung and I.-S. Nha  
ISBN 0-937707-57-0
- Vol. CS-39      THE MINNESOTA LECTURES ON THE STRUCTURE AND DYNAMICS OF THE MILKY WAY  
ed. Roberta M. Humphreys  
ISBN 0-937707-58-9
- Vol. CS-40      INSIDE THE STARS, IAU Colloquium 137  
ed. Werner W. Weiss and Annie Baglin  
ISBN 0-937707-59-7
- Vol. CS-41      ASTRONOMICAL INFRARED SPECTROSCOPY: FUTURE OBSERVATIONAL DIRECTIONS  
ed. Sun Kwok  
ISBN 0-937707-60-0
- Vol. CS-42      GONG 1992: SEISMIC INVESTIGATION OF THE SUN AND STARS  
ed. Timothy M. Brown  
ISBN 0-937707-61-9

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1993 (\* asterisk means OUT OF STOCK)**

- Vol. CS-43 SKY SURVEYS: PROTOSTARS TO PROTOGALAXIES  
ed. B. T. Soifer  
ISBN 0-937707-62-7
- Vol. CS-44 PECULIAR VERSUS NORMAL PHENOMENA IN A-TYPE AND RELATED STARS,  
IAU Colloquium 138  
ed. M. M. Dworetzky, F. Castelli, and R. Faraggiana  
ISBN 0-937707-63-5
- Vol. CS-45 LUMINOUS HIGH-LATITUDE STARS  
ed. Dimitar D. Sasselov  
ISBN 0-937707-64-3
- Vol. CS-46 THE MAGNETIC AND VELOCITY FIELDS OF SOLAR ACTIVE REGIONS, IAU Colloquium 141  
ed. Harold Zirin, Guoxiang Ai, and Haimin Wang  
ISBN 0-937707-65-1
- Vol. CS-47 THIRD DECENNIAL US-USSR CONFERENCE ON SETI -- Santa Cruz, California, USA  
ed. G. Seth Shostak  
ISBN 0-937707-66-X
- Vol. CS-48 THE GLOBULAR CLUSTER-GALAXY CONNECTION  
ed. Graeme H. Smith and Jean P. Brodie  
ISBN 0-937707-67-8
- Vol. CS-49 GALAXY EVOLUTION: THE MILKY WAY PERSPECTIVE  
ed. Steven R. Majewski  
ISBN 0-937707-68-6
- Vol. CS-50 STRUCTURE AND DYNAMICS OF GLOBULAR CLUSTERS  
ed. S. G. Djorgovski and G. Meylan  
ISBN 0-937707-69-4
- Vol. CS-51 OBSERVATIONAL COSMOLOGY  
ed. Guido Chincarini, Angela Iovino, Tommaso Maccacaro, and Dario Maccagni  
ISBN 0-937707-70-8
- Vol. CS-52 ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS II - (ADASS II)  
ed. R. J. Hanisch, R. J. V. Brissenden, and Jeannette Barnes  
ISBN 0-937707-71-6
- Vol. CS-53 BLUE STRAGGLERS  
ed. Rex A. Saffer  
ISBN 0-937707-72-4

### **PUBLISHED: 1994**

- Vol. CS-54\* THE FIRST STROMLO SYMPOSIUM: THE PHYSICS OF ACTIVE GALAXIES  
ed. Geoffrey V. Bicknell, Michael A. Dopita, and Peter J. Quinn  
ISBN 0-937707-73-2
- Vol. CS-55 OPTICAL ASTRONOMY FROM THE EARTH AND MOON  
ed. Diane M. Pyper and Ronald J. Angione  
ISBN 0-937707-74-0
- Vol. CS-56 INTERACTING BINARY STARS  
ed. Allen W. Shafter  
ISBN 0-937707-75-9
- Vol. CS-57 STELLAR AND CIRCUMSTELLAR ASTROPHYSICS  
ed. George Wallerstein and Alberto Noriega-Crespo  
ISBN 0-937707-76-7

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1994 (\* asterisk means OUT OF STOCK)**

- Vol. CS-58\* THE FIRST SYMPOSIUM ON THE INFRARED CIRRUS  
AND DIFFUSE INTERSTELLAR CLOUDS  
ed. Roc M. Cutri and William B. Latter  
ISBN 0-937707-77-5
- Vol. CS-59 ASTRONOMY WITH MILLIMETER AND SUBMILLIMETER WAVE INTERFEROMETRY,  
IAU Colloquium 140  
ed. M. Ishiguro and Wm. J. Welch  
ISBN 0-937707-78-3
- Vol. CS-60 THE MK PROCESS AT 50 YEARS: A POWERFUL TOOL FOR ASTROPHYSICAL INSIGHT,  
A Workshop of the Vatican Observatory --Tucson, Arizona, USA  
ed. C. J. Corbally, R. O. Gray, and R. F. Garrison  
ISBN 0-937707-79-1
- Vol. CS-61 ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS III - (ADASS III)  
ed. Dennis R. Crabtree, R. J. Hanisch, and Jeannette Barnes  
ISBN 0-937707-80-5
- Vol. CS-62 THE NATURE AND EVOLUTIONARY STATUS OF HERBIG A<sub>e</sub>/Be STARS  
ed. Pik Sin Thé, Mario R. Pérez, and Ed P. J. van den Heuvel  
ISBN 0-9837707-81-3
- Vol. CS-63 SEVENTY-FIVE YEARS OF HIRAYAMA ASTEROID FAMILIES:  
THE ROLE OF COLLISIONS IN THE SOLAR SYSTEM HISTORY  
ed. Yoshihide Kozai, Richard P. Binzel, and Tomohiro Hirayama  
ISBN 0-937707-82-1
- Vol. CS-64\* COOL STARS, STELLAR SYSTEMS, AND THE SUN: Eighth Cambridge Workshop  
ed. Jean-Pierre Caillault  
ISBN 0-937707-83-X
- Vol. CS-65\* CLOUDS, CORES, AND LOW MASS STARS: The Fourth Haystack Observatory Conference  
ed. Dan P. Clemens and Richard Barvainis  
ISBN 0-937707-84-8
- Vol. CS-66\* PHYSICS OF THE GASEOUS AND STELLAR DISKS OF THE GALAXY  
ed. Ivan R. King  
ISBN 0-937707-85-6
- Vol. CS-67 UNVEILING LARGE-SCALE STRUCTURES BEHIND THE MILKY WAY  
ed. C. Balkowski and R. C. Kraan-Korteweg  
ISBN 0-937707-86-4
- Vol. CS-68\* SOLAR ACTIVE REGION EVOLUTION: COMPARING MODELS WITH OBSERVATIONS  
ed. K. S. Balasubramaniam and George W. Simon  
ISBN 0-937707-87-2
- Vol. CS-69 REVERBERATION MAPPING OF THE BROAD-LINE REGION IN ACTIVE GALACTIC NUCLEI  
ed. P. M. Gondhalekar, K. Horne, and B. M. Peterson  
ISBN 0-937707-88-0

### **PUBLISHED: 1995**

- Vol. CS-70\* GROUPS OF GALAXIES  
ed. Otto-G. Richter and Kirk Borne  
ISBN 0-937707-89-9
- Vol. CS-71 TRIDIMENSIONAL OPTICAL SPECTROSCOPIC METHODS IN ASTROPHYSICS,  
IAU Colloquium 149  
ed. Georges Comte and Michel Marcelin  
ISBN 0-937707-90-2

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1995 (\* asterisk means OUT OF STOCK)**

- Vol. CS-72      **MILLISECOND PULSARS: A DECADE OF SURPRISE**  
ed. A. S Fruchter, M. Tavani, and D. C. Backer  
ISBN 0-937707-91-0
- Vol. CS-73      **AIRBORNE ASTRONOMY SYMPOSIUM ON THE GALACTIC ECOSYSTEM:  
FROM GAS TO STARS TO DUST**  
ed. Michael R. Haas, Jacqueline A. Davidson, and Edwin F. Erickson  
ISBN 0-937707-92-9
- Vol. CS-74      **PROGRESS IN THE SEARCH FOR EXTRATERRESTRIAL LIFE: 1993 Bioastronomy Symposium**  
ed. G. Seth Shostak  
ISBN 0-937707-93-7
- Vol. CS-75      **MULTI-FEED SYSTEMS FOR RADIO TELESCOPES**  
ed. Darrel T. Emerson and John M. Payne  
ISBN 0-937707-94-5
- Vol. CS-76      **GONG '94: HELIO- AND ASTERO-SEISMOLOGY FROM THE EARTH AND SPACE**  
ed. Roger K. Ulrich, Edward J. Rhodes, Jr., and Werner Däppen  
ISBN 0-937707-95-3
- Vol. CS-77      **ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS IV – (ADASS IV)**  
ed. R. A. Shaw, H. E. Payne, and J. J. E. Hayes  
ISBN 0-937707-96-1
- Vol. CS-78      **ASTROPHYSICAL APPLICATIONS OF POWERFUL NEW DATABASES:  
Joint Discussion No. 16 of the 22nd General Assembly of the IAU**  
ed. S. J. Adelman and W. L. Wiese  
ISBN 0-937707-97-X
- Vol. CS-79\*      **ROBOTIC TELESCOPES: CURRENT CAPABILITIES, PRESENT DEVELOPMENTS,  
AND FUTURE PROSPECTS FOR AUTOMATED ASTRONOMY**  
ed. Gregory W. Henry and Joel A. Eaton  
ISBN 0-937707-98-8
- Vol. CS-80\*      **THE PHYSICS OF THE INTERSTELLAR MEDIUM AND INTERGALACTIC MEDIUM**  
ed. A. Ferrara, C. F. McKee, C. Heiles, and P. R. Shapiro  
ISBN 0-937707-99-6
- Vol. CS-81      **LABORATORY AND ASTRONOMICAL HIGH RESOLUTION SPECTRA**  
ed. A. J. Sauval, R. Blomme, and N. Grevesse  
ISBN 1-886733-01-5
- Vol. CS-82\*      **VERY LONG BASELINE INTERFEROMETRY AND THE VLBA**  
ed. J. A. Zensus, P. J. Diamond, and P. J. Napier  
ISBN 1-886733-02-3
- Vol. CS-83\*      **ASTROPHYSICAL APPLICATIONS OF STELLAR PULSATION, IAU Colloquium 155**  
ed. R. S. Stobie and P. A. Whitelock  
ISBN 1-886733-03-1
- ATLAS          **INFRARED ATLAS OF THE ARCTURUS SPECTRUM, 0.9 - 5.3  $\mu$ m**  
ed. Kenneth Hinkle, Lloyd Wallace, and William Livingston  
ISBN: 1-886733-04-X
- Vol. CS-84      **THE FUTURE UTILIZATION OF SCHMIDT TELESCOPES, IAU Colloquium 148**  
ed. Jessica Chapman, Russell Cannon, Sandra Harrison, and Bambang Hidayat  
ISBN 1-886733-05-8
- Vol. CS-85\*      **CAPE WORKSHOP ON MAGNETIC CATAclysmic VARIABLES**  
ed. D. A. H. Buckley and B. Warner  
ISBN 1-886733-06-6

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1995 (\* asterisk means OUT OF STOCK)**

- Vol. CS-86 FRESH VIEWS OF ELLIPTICAL GALAXIES  
ed. Alberto Buzzoni, Alvio Renzini, and Alfonso Serrano  
ISBN 1-886733-07-4

### **PUBLISHED: 1996**

- Vol. CS-87 NEW OBSERVING MODES FOR THE NEXT CENTURY  
ed. Todd Boroson, John Davies, and Ian Robson  
ISBN 1-886733-08-2
- Vol. CS-88\* CLUSTERS, LENSING, AND THE FUTURE OF THE UNIVERSE  
ed. Virginia Trimble and Andreas Reisenegger  
ISBN 1-886733-09-0
- Vol. CS-89 ASTRONOMY EDUCATION: CURRENT DEVELOPMENTS, FUTURE COORDINATION  
ed. John R. Percy  
ISBN 1-886733-10-4
- Vol. CS-90 THE ORIGINS, EVOLUTION, AND DESTINIES OF BINARY STARS IN CLUSTERS  
ed. E. F. Milone and J. -C. Mermilliod  
ISBN 1-886733-11-2
- Vol. CS-91 BARRED GALAXIES, IAU Colloquium 157  
ed. R. Buta, D. A. Crocker, and B. G. Elmegreen  
ISBN 1-886733-12-0
- Vol. CS-92 FORMATION OF THE GALACTIC HALO .... INSIDE AND OUT  
ed. Heather L. Morrison and Ata Sarajedini  
ISBN 1-886733-13-9
- Vol. CS-93 RADIO EMISSION FROM THE STARS AND THE SUN  
ed. A. R. Taylor and J. M. Paredes  
ISBN 1-886733-14-7
- Vol. CS-94 MAPPING, MEASURING, AND MODELING THE UNIVERSE  
ed. Peter Coles, Vicent J. Martinez, and Maria-Jesus Pons-Borderia  
ISBN 1-886733-15-5
- Vol. CS-95 SOLAR DRIVERS OF INTERPLANETARY AND TERRESTRIAL DISTURBANCES:  
Proceedings of 16<sup>th</sup> International Workshop National Solar Observatory/Sacramento Peak  
ed. K. S. Balasubramaniam, Stephen L. Keil, and Raymond N. Smartt  
ISBN 1-886733-16-3
- Vol. CS-96 HYDROGEN-DEFICIENT STARS  
ed. C. S. Jeffery and U. Heber  
ISBN 1-886733-17-1
- Vol. CS-97 POLARIMETRY OF THE INTERSTELLAR MEDIUM  
ed. W. G. Roberge and D. C. B. Whittet  
ISBN 1-886733-18-X
- Vol. CS-98 FROM STARS TO GALAXIES: THE IMPACT OF STELLAR PHYSICS ON GALAXY EVOLUTION  
ed. Claus Leitherer, Uta Fritze-von Alvensleben, and John Huchra  
ISBN 1-886733-19-8
- Vol. CS-99 COSMIC ABUNDANCES: Proceedings of the 6th Annual October Astrophysics Conference  
ed. Stephen S. Holt and George Sonneborn  
ISBN 1-886733-20-1



## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1996 (\* asterisk means OUT OF STOCK)**

- Vol. CS-100 ENERGY TRANSPORT IN RADIO GALAXIES AND QUASARS  
ed. P. E. Hardee, A. H. Bridle, and J. A. Zensus  
ISBN 1-886733-21-X
- Vol. CS-101 ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS V – (ADASS V)  
ed. George H. Jacoby and Jeannette Barnes  
ISBN 1080-7926
- Vol. CS-102 THE GALACTIC CENTER, 4th ESO/CTIO Workshop  
ed. Roland Gredel  
ISBN 1-886733-22-8
- Vol. CS-103 THE PHYSICS OF LINERS IN VIEW OF RECENT OBSERVATIONS  
ed. M. Eracleous, A. Koratkar, C. Leitherer, and L. Ho  
ISBN 1-886733-23-6
- Vol. CS-104 PHYSICS, CHEMISTRY, AND DYNAMICS OF INTERPLANETARY DUST, IAU Colloquium 150  
ed. Bo Å. S. Gustafson and Martha S. Hanner  
ISBN 1-886733-24-4
- Vol. CS-105 PULSARS: PROBLEMS AND PROGRESS, IAU Colloquium 160  
ed. S. Johnston, M. A. Walker, and M. Bailes  
ISBN 1-886733-25-2
- Vol. CS-106 THE MINNESOTA LECTURES ON EXTRAGALACTIC NEUTRAL HYDROGEN  
ed. Evan D. Skillman  
ISBN 1-886733-26-0
- Vol. CS-107 COMPLETING THE INVENTORY OF THE SOLAR SYSTEM:  
A Symposium held in conjunction with the 106th Annual Meeting of the ASP  
ed. Terrence W. Rettig and Joseph M. Hahn  
ISBN 1-886733-27-9
- Vol. CS-108 M.A.S.S. -- MODEL ATMOSPHERES AND SPECTRUM SYNTHESIS: 5th Vienna - Workshop  
ed. Saul J. Adelman, Friedrich Kupka, and Werner W. Weiss  
ISBN 1-886733-28-7
- Vol. CS-109 COOL STARS, STELLAR SYSTEMS, AND THE SUN: Ninth Cambridge Workshop  
ed. Roberto Pallavicini and Andrea K. Dupree  
ISBN 1-886733-29-5
- Vol. CS-110 BLAZAR CONTINUUM VARIABILITY  
ed. H. R. Miller, J. R. Webb, and J. C. Noble  
ISBN 1-886733-30-9
- Vol. CS-111 MAGNETIC RECONNECTION IN THE SOLAR ATMOSPHERE:  
Proceedings of a Yohkoh Conference  
ed. R. D. Bentley and J. T. Mariska  
ISBN 1-886733-31-7
- Vol. CS-112 THE HISTORY OF THE MILKY WAY AND ITS SATELLITE SYSTEM  
ed. Andreas Burkert, Dieter H. Hartmann, and Steven R. Majewski  
ISBN 1-886733-32-5

### **PUBLISHED: 1997**

- Vol. CS-113 EMISSION LINES IN ACTIVE GALAXIES: NEW METHODS AND TECHNIQUES,  
IAU Colloquium 159  
ed. B. M. Peterson, F.-Z. Cheng, and A. S. Wilson  
ISBN 1-886733-33-3

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

**PUBLISHED: 1997 (\* asterisk means OUT OF STOCK)**

- Vol. CS-114    **YOUNG GALAXIES AND QSO ABSORPTION-LINE SYSTEMS**  
ed. Sueli M. Viegas, Ruth Gruenwald, and Reinaldo R. de Carvalho  
ISBN 1-886733-34-1
- Vol. CS-115    **GALACTIC CLUSTER COOLING FLOWS**  
ed. Noam Soker  
ISBN 1-886733-35-X
- Vol. CS-116    **THE SECOND STROMLO SYMPOSIUM: THE NATURE OF ELLIPTICAL GALAXIES**  
ed. M. Arnaboldi, G. S. Da Costa, and P. Saha  
ISBN 1-886733-36-8
- Vol. CS-117    **DARK AND VISIBLE MATTER IN GALAXIES**  
ed. Massimo Persic and Paolo Salucci  
ISBN-1-886733-37-6
- Vol. CS-118    **FIRST ADVANCES IN SOLAR PHYSICS EUROCONFERENCE:  
ADVANCES IN THE PHYSICS OF SUNSPOTS**  
ed. B. Schmieder, J. C. del Toro Iniesta, and M. Vázquez  
ISBN 1-886733-38-4
- Vol. CS-119    **PLANETS BEYOND THE SOLAR SYSTEM  
AND THE NEXT GENERATION OF SPACE MISSIONS**  
ed. David R. Soderblom  
ISBN 1-886733-39-2
- Vol. CS-120    **LUMINOUS BLUE VARIABLES: MASSIVE STARS IN TRANSITION**  
ed. Antonella Nota and Henny J. G. L. M. Lamers  
ISBN 1-886733-40-6
- Vol. CS-121    **ACCRETION PHENOMENA AND RELATED OUTFLOWS, IAU Colloquium 163**  
ed. D. T. Wickramasinghe, G. V. Bicknell, and L. Ferrario  
ISBN 1-886733-41-4
- Vol. CS-122    **FROM STARDUST TO PLANETESIMALS:**  
Symposium held as part of the 108th Annual Meeting of the ASP  
ed. Yvonne J. Pendleton and A. G. G. M. Tielens  
ISBN 1-886733-42-2
- Vol. CS-123    **THE 12<sup>th</sup> 'KINGSTON MEETING': COMPUTATIONAL ASTROPHYSICS**  
ed. David A. Clarke and Michael J. West  
ISBN 1-886733-43-0
- Vol. CS-124    **DIFFUSE INFRARED RADIATION AND THE IRTS**  
ed. Haruyuki Okuda, Toshio Matsumoto, and Thomas Roellig  
ISBN 1-886733-44-9
- Vol. CS-125    **ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS, VI – (ADASS VI)**  
ed. Gareth Hunt and H. E. Payne  
ISBN 1-886733-45-7
- Vol. CS-126    **FROM QUANTUM FLUCTUATIONS TO COSMOLOGICAL STRUCTURES**  
ed. David Valls-Gabaud, Martin A. Hendry, Paolo Molaro, and Khalil Chamcham  
ISBN 1-886733-46-5
- Vol. CS-127    **PROPER MOTIONS AND GALACTIC ASTRONOMY**  
ed. Roberta M. Humphreys  
ISBN 1-886733-47-3
- Vol. CS-128    **MASS EJECTION FROM AGN (Active Galactic Nuclei)**  
ed. N. Arav, I. Shlosman, and R. J. Weymann  
ISBN 1-886733-48-1

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1997 (\* asterisk means OUT OF STOCK)**

- Vol. CS-129 THE GEORGE GAMOW SYMPOSIUM  
ed. E. Harper, W. C. Parke, and G. D. Anderson  
ISBN 1-886733-49-X
- Vol. CS-130 THE THIRD PACIFIC RIM CONFERENCE ON  
RECENT DEVELOPMENT ON BINARY STAR RESEARCH  
ed. Kam-Ching Leung  
ISBN 1-886733-50-3

### **PUBLISHED: 1998**

- Vol. CS-131 BOULDER-MUNICH II: PROPERTIES OF HOT, LUMINOUS STARS  
ed. Ian D. Howarth  
ISBN 1-886733-51-1
- Vol. CS-132 STAR FORMATION WITH THE INFRARED SPACE OBSERVATORY (ISO)  
ed. João L. Yun and René Liseau  
ISBN 1-886733-52-X
- Vol. CS-133 SCIENCE WITH THE NGST (Next Generation Space Telescope)  
ed. Eric P. Smith and Anuradha Koratkar  
ISBN 1-886733-53-8
- Vol. CS-134 BROWN DWARFS AND EXTRASOLAR PLANETS  
ed. Rafael Rebolo, Eduardo L. Martin and María Rosa Zapatero Osorio  
ISBN 1-886733-54-6
- Vol. CS-135 A HALF CENTURY OF STELLAR PULSATION INTERPRETATIONS:  
A TRIBUTE TO ARTHUR N. COX  
ed. P. A. Bradley and J. A. Guzik  
ISBN 1-886733-55-4
- Vol. CS-136 GALACTIC HALOS: A UC SANTA CRUZ WORKSHOP  
ed. Dennis Zaritsky  
ISBN 1-886733-56-2
- Vol. CS-137 WILD STARS IN THE OLD WEST: PROCEEDINGS OF THE 13<sup>th</sup> NORTH AMERICAN  
WORKSHOP ON CATAclysmic VARIABLES AND RELATED OBJECTS  
ed. S. Howell, E. Kuulkers, and C. Woodward  
ISBN 1-886733-57-0
- Vol. CS-138 1997 PACIFIC RIM CONFERENCE ON STELLAR ASTROPHYSICS  
ed. Kwing Lam Chan, K. S. Cheng, and H. P. Singh  
ISBN 1-886733-58-9
- Vol. CS-139 PRESERVING THE ASTRONOMICAL WINDOWS:  
Proceedings of Joint Discussion No. 5 of the 23rd General Assembly of the IAU  
ed. Syuzo Isoobe and Tomohiro Hirayama  
ISBN 1-886733-59-7
- Vol. CS-140 SYNOPTIC SOLAR PHYSICS --18th NSO/Sacramento Peak Summer Workshop  
ed. K. S. Balasubramaniam, J. W. Harvey, and D. M. Rabin  
ISBN 1-886733-60-0
- Vol. CS-141 ASTROPHYSICS FROM ANTARCTICA:  
A Symposium held as a part of the 109<sup>th</sup> Annual Meeting of the ASP  
ed. Giles Novak and Randall H. Landsberg  
ISBN 1-886733-61-9
- Vol. CS-142 THE STELLAR INITIAL MASS FUNCTION: 38th Herstmonceux Conference  
ed. Gerry Gilmore and Debbie Howell  
ISBN 1-886733-62-7

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1998 (\* asterisk means OUT OF STOCK)**

- Vol. CS-143 THE SCIENTIFIC IMPACT OF THE GODDARD HIGH RESOLUTION SPECTROGRAPH (GHF)  
ed. John C. Brandt, Thomas B. Ake III, and Carolyn Collins Petersen  
ISBN 1-886733-63-5
- Vol. CS-144 RADIO EMISSION FROM GALACTIC AND EXTRAGALACTIC COMPACT SOURCES,  
IAU Colloquium 164  
ed. J. Anton Zensus, G. B. Taylor, and J. M. Wrobel  
ISBN 1-886733-64-3
- Vol. CS-145 ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS VII – (ADASS VII)  
ed. Rudolf Albrecht, Richard N. Hook, and Howard A. Bushouse  
ISBN 1-886733-65-1
- Vol. CS-146 THE YOUNG UNIVERSE GALAXY FORMATION  
AND EVOLUTION AT INTERMEDIATE AND HIGH REDSHIFT  
ed. S. D'Odorico, A. Fontana, and E. Giallongo  
ISBN 1-886733-66-X
- Vol. CS-147 ABUNDANCE PROFILES: DIAGNOSTIC TOOLS FOR GALAXY HISTORY  
ed. Daniel Friedli, Mike Edmunds, Carmelle Robert, and Laurent Drissen  
ISBN 1-886733-67-8
- Vol. CS-148 ORIGINS  
ed. Charles E. Woodward, J. Michael Shull, and Harley A. Thronson, Jr.  
ISBN 1-886733-68-6
- Vol. CS-149 SOLAR SYSTEM FORMATION AND EVOLUTION  
D. Lazzaro, R. Vieira Martins, S. Ferraz-Mello, J. Fernández, and C. Beaugé  
ISBN 1-886733-69-4
- Vol. CS-150 NEW PERSPECTIVES ON SOLAR PROMINENCES, IAU Colloquium 167  
ed. David Webb, David Rust, and Brigitte Schmieder  
ISBN 1-886733-70-8
- Vol. CS-151 COSMIC MICROWAVE BACKGROUND AND LARGE SCALE STRUCTURES OF THE UNIVERSE  
ed. Yong-Ik Byun and Kin-Wang Ng  
ISBN 1-886733-71-6
- Vol. CS-152 FIBER OPTICS IN ASTRONOMY III  
ed. S. Arribas, E. Mediavilla, and F. Watson  
ISBN 1-886733-72-4
- Vol. CS-153 LIBRARY AND INFORMATION SERVICES IN ASTRONOMY III -- (LISA III)  
ed. Uta Grothkopf, Heinz Andernach, Sarah Stevens-Rayburn, and Monique Gomez  
ISBN 1-886733-73-2
- Vol. CS-154 COOL STARS, STELLAR SYSTEMS AND THE SUN: Tenth Cambridge Workshop  
ed. Robert A. Donahue and Jay A. Bookbinder  
ISBN 1-886733-74-0
- Vol. CS-155 SECOND ADVANCES IN SOLAR PHYSICS EUROCONFERENCE:  
THREE-DIMENSIONAL STRUCTURE OF SOLAR ACTIVE REGIONS  
ed. Costas E. Alissandrakis and Brigitte Schmieder  
ISBN 1-886733-75-9

### **PUBLISHED: 1999**

- Vol. CS-156 HIGHLY REDSHIFTED RADIO LINES  
ed. C. L. Carilli, S. J. E. Radford, K. M. Menten, and G. I. Langston  
ISBN 1-886733-76-7

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

**PUBLISHED: 1999 (\* asterisk means OUT OF STOCK)**

- Vol. CS-157     ANNAPOLIS WORKSHOP ON MAGNETIC CATAclySMIC VARIABLES  
ed. Coel Hellier and Koji Mukai  
ISBN 1-886733-77-5
- Vol. CS-158     SOLAR AND STELLAR ACTIVITY: SIMILARITIES AND DIFFERENCES  
ed. C. J. Butler and J. G. Doyle  
ISBN 1-886733-78-3
- Vol. CS-159     BL LAC PHENOMENON  
ed. Leo O. Takalo and Aimo Sillanpää  
ISBN 1-886733-79-1
- Vol. CS-160     ASTROPHYSICAL DISCS: An EC Summer School  
ed. J. A. Sellwood and Jeremy Goodman  
ISBN 1-886733-80-5
- Vol. CS-161     HIGH ENERGY PROCESSES IN ACCRETING BLACK HOLES  
ed. Juri Poutanen and Roland Svensson  
ISBN 1-886733-81-3
- Vol. CS-162     QUASARS AND COSMOLOGY  
ed. Gary Ferland and Jack Baldwin  
ISBN 1-886733-83-X
- Vol. CS-163     STAR FORMATION IN EARLY-TYPE GALAXIES  
ed. Jordi Cepa and Patricia Carral  
ISBN 1-886733-84-8
- Vol. CS-164     ULTRAVIOLET–OPTICAL SPACE ASTRONOMY BEYOND HST  
ed. Jon A. Morse, J. Michael Shull, and Anne L. Kinney  
ISBN 1-886733-85-6
- Vol. CS-165     THE THIRD STROMLO SYMPOSIUM: THE GALACTIC HALO  
ed. Brad K. Gibson, Tim S. Axelrod, and Mary E. Putman  
ISBN 1-886733-86-4
- Vol. CS-166     STROMLO WORKSHOP ON HIGH-VELOCITY CLOUDS  
ed. Brad K. Gibson and Mary E. Putman  
ISBN 1-886733-87-2
- Vol. CS-167     HARMONIZING COSMIC DISTANCE SCALES IN A POST-HIPPARCOS ERA  
ed. Daniel Egret and André Heck  
ISBN 1-886733-88-0
- Vol. CS-168     NEW PERSPECTIVES ON THE INTERSTELLAR MEDIUM  
ed. A. R. Taylor, T. L. Landecker, and G. Joncas  
ISBN 1-886733-89-9
- Vol. CS-169-     11<sup>th</sup> EUROPEAN WORKSHOP ON WHITE DWARFS  
ed. J.-E. Solheim and E. G. Meištās  
ISBN 1-886733-91-0
- Vol. CS-170     THE LOW SURFACE BRIGHTNESS UNIVERSE, IAU Colloquium 171  
ed. J. I. Davies, C. Impey, and S. Phillipps  
ISBN 1-886733-92-9
- Vol. CS-171     LiBeB, COSMIC RAYS, AND RELATED X- AND GAMMA-RAYS  
ed. Reuven Ramaty, Elisabeth Vangioni-Flam, Michel Cassé, and Keith Olive  
ISBN 1-886733-93-7

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1999 (\* asterisk means OUT OF STOCK)**

- Vol. CS-172    **ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS VIII – (ADASS VIII)**  
ed. David M. Mehringer, Raymond L. Plante, and Douglas A. Roberts  
ISBN 1-886733-94-5
- Vol. CS-173    **THEORY AND TESTS OF CONVECTION IN STELLAR STRUCTURE: First Granada Workshop**  
ed. Álvaro Giménez, Edward F. Guinan, and Benjamín Montesinos  
ISBN 1-886733-95-3
- Vol. CS-174    **CATCHING THE PERFECT WAVE:  
ADAPTIVE OPTICS AND INTERFEROMETRY IN THE 21<sup>st</sup> CENTURY,  
A Symposium held as a part of the 110<sup>th</sup> Annual Meeting of the ASP**  
ed. Sergio R. Restaino, William Junor, and Nebojsa Duric  
ISBN 1-886733-96-1
- Vol. CS-175    **STRUCTURE AND KINEMATICS OF QUASAR BROAD LINE REGIONS**  
ed. C. M. Gaskell, W. N. Brandt, M. Dietrich, D. Dultzin-Hacyan, and M. Eracleous  
ISBN 1-886733-97-X
- Vol. CS-176    **OBSERVATIONAL COSMOLOGY: THE DEVELOPMENT OF GALAXY SYSTEMS**  
ed. Giuliano Giuricin, Marino Mezzetti, and Paolo Salucci  
ISBN 1-58381-000-5
- Vol. CS-177    **ASTROPHYSICS WITH INFRARED SURVEYS: A Prelude to SIRTf**  
ed. Michael D. Bica, Chas A. Beichman, Roc M. Cutri, and Barry F. Madore  
ISBN 1-58381-001-3
- Vol. CS-178    **STELLAR DYNAMOS: NONLINEARITY AND CHAOTIC FLOWS**  
ed. Manuel Núñez and Antonio Ferriz-Mas  
ISBN 1-58381-002-1
- Vol. CS-179    **ETA CARINAE AT THE MILLENNIUM**  
ed. Jon A. Morse, Roberta M. Humphreys, and Augusto Damineli  
ISBN 1-58381-003-X
- Vol. CS-180    **SYNTHESIS IMAGING IN RADIO ASTRONOMY II**  
ed. G. B. Taylor, C. L. Carilli, and R. A. Perley  
ISBN 1-58381-005-6
- Vol. CS-181    **MICROWAVE FOREGROUNDS**  
ed. Angelica de Oliveira-Costa and Max Tegmark  
ISBN 1-58381-006-4
- Vol. CS-182    **GALAXY DYNAMICS: A Rutgers Symposium**  
ed. David Merritt, J. A. Sellwood, and Monica Valluri  
ISBN 1-58381-007-2
- Vol. CS-183    **HIGH RESOLUTION SOLAR PHYSICS: THEORY, OBSERVATIONS, AND TECHNIQUES**  
ed. T. R. Rimmele, K. S. Balasubramaniam, and R. R. Radick  
ISBN 1-58381-009-9
- Vol. CS-184    **THIRD ADVANCES IN SOLAR PHYSICS EUROCONFERENCE:  
MAGNETIC FIELDS AND OSCILLATIONS**  
ed. B. Schmieder, A. Hofmann, and J. Staude  
ISBN 1-58381-010-2
- Vol. CS-185    **PRECISE STELLAR RADIAL VELOCITIES, IAU Colloquium 170**  
ed. J. B. Hearnshaw and C. D. Scarfe  
ISBN 1-58381-011-0
- Vol. CS-186    **THE CENTRAL PARSECS OF THE GALAXY**  
ed. Heino Falcke, Angela Cotera, Wolfgang J. Duschl, Fulvio Melia, and Marcia J. Rieke  
ISBN 1-58381-012-9

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 1999 (\* asterisk means OUT OF STOCK)**

- Vol. CS-187 THE EVOLUTION OF GALAXIES ON COSMOLOGICAL TIMESCALES  
ed. J. E. Beckman and T. J. Mahoney  
ISBN 1-58381-013-7
- Vol. CS-188 OPTICAL AND INFRARED SPECTROSCOPY OF CIRCUMSTELLAR MATTER  
ed. Eike W. Guenther, Bringfried Stecklum, and Sylvio Klose  
ISBN 1-58381-014-5
- Vol. CS-189 CCD PRECISION PHOTOMETRY WORKSHOP  
ed. Eric R. Craine, Roy A. Tucker, and Jeannette Barnes  
ISBN 1-58381-015-3
- Vol. CS-190 GAMMA-RAY BURSTS: THE FIRST THREE MINUTES  
ed. Juri Poutanen and Roland Svensson  
ISBN 1-58381-016-1
- Vol. CS-191 PHOTOMETRIC REDSHIFTS AND HIGH REDSHIFT GALAXIES  
ed. Ray J. Weymann, Lisa J. Storrie-Lombardi, Marcin Sawicki, and Robert J. Brunner  
ISBN 1-58381-017-X
- Vol. CS-192 SPECTROPHOTOMETRIC DATING OF STARS AND GALAXIES  
ed. I. Hubeny, S. R. Heap, and R. H. Cornett  
ISBN 1-58381-018-8
- Vol. CS-193 THE HY-REDSHIFT UNIVERSE: GALAXY FORMATION AND EVOLUTION AT HIGH REDSHIFT  
ed. Andrew J. Bunker and Wil J. M. van Breugel  
ISBN 1-58381-019-6
- Vol. CS-194 WORKING ON THE FRINGE:  
OPTICAL AND IR INTERFEROMETRY FROM GROUND AND SPACE  
ed. Stephen Unwin and Robert Stachnik  
ISBN 1-58381-020-X

### **PUBLISHED: 2000**

- Vol. CS-195 IMAGING THE UNIVERSE IN THREE DIMENSIONS:  
Astrophysics with Advanced Multi-Wavelength Imaging Devices  
ed. W. van Breugel and J. Bland-Hawthorn  
ISBN 1-58381-022-6
- Vol. CS-196 THERMAL EMISSION SPECTROSCOPY AND ANALYSIS OF DUST, DISKS, AND REGOLITHS  
ed. Michael L. Sitko, Ann L. Sprague, and David K. Lynch  
ISBN: 1-58381-023-4
- Vol. CS-197 XV<sup>th</sup> IAP MEETING DYNAMICS OF GALAXIES:  
FROM THE EARLY UNIVERSE TO THE PRESENT  
ed. F. Combes, G. A. Mamon, and V. Charmandaris  
ISBN: 1-58381-24-2
- Vol. CS-198 EUROCONFERENCE ON "STELLAR CLUSTERS AND ASSOCIATIONS:  
CONVECTION, ROTATION, AND DYNAMOS"  
ed. R. Pallavicini, G. Micela, and S. Sciortino  
ISBN: 1-58381-25-0
- Vol. CS-199 ASYMMETRICAL PLANETARY NEBULAE II: FROM ORIGINS TO MICROSTRUCTURES  
ed. J. H. Kastner, N. Soker, and S. Rappaport  
ISBN: 1-58381-026-9
- Vol. CS-200 CLUSTERING AT HIGH REDSHIFT  
ed. A. Mazure, O. Le Fèvre, and V. Le Brun  
ISBN: 1-58381-027-7

## ASP CONFERENCE SERIES VOLUMES

Published by the Astronomical Society of the Pacific

---

### **PUBLISHED: 2000 (\* asterisk means OUT OF STOCK)**

- Vol. CS-201    COSMIC FLOWS 1999:  
TOWARDS AN UNDERSTANDING OF LARGE-SCALE STRUCTURES  
ed. Stéphane Courteau, Michael A. Strauss, and Jeffrey A. Willick  
ISBN: 1-58381-028-5
- Vol. CS-202    PULSAR ASTRONOMY – 2000 AND BEYOND, IAU Colloquium 177  
ed. M. Kramer, N. Wex, and R. Wiełebinski  
ISBN: 1-58381-029-3
- Vol. CS-203    THE IMPACT OF LARGE-SCALE SURVEYS ON PULSATING STAR RESEARCH,  
IAU Colloquium 176  
ed. L. Szabados and D. W. Kurtz  
ISBN: 1-58381-030-7
- Vol. CS-204    THERMAL AND IONIZATION ASPECTS OF FLOWS FROM HOT STARS:  
OBSERVATIONS AND THEORY  
ed. Henny J. G. L. M. Lamers and Arved Sagar  
ISBN: 1-58381-031-5
- Vol. CS-205    THE LAST TOTAL SOLAR ECLIPSE OF THE MILLENNIUM IN TURKEY  
ed. W. C. Livingston and A. Özgüç  
ISBN: 1-58381-032-3
- Vol. CS-206    HIGH ENERGY SOLAR PHYSICS – *ANTICIPATING HESSI*  
ed. Reuven Ramaty and Natalie Mandzhavidze  
ISBN: 1-58381-033-1
- Vol. CS-207    NGST SCIENCE AND TECHNOLOGY EXPOSITION  
ed. Eric P. Smith and Knox S. Long  
ISBN: 1-58381-036-6
- Vol. CS-208    POLAR MOTION: HISTORICAL AND SCIENTIFIC PROBLEMS  
IAU Colloquium 178  
ed. Steven Dick, Dennis McCarthy, Brian Luzum  
ISBN: 1-58381-039-0
- Vol. CS-209    SMALL GALAXY GROUPS  
IAU Colloquium 174  
ed. Mauri J. Valtonen and Chris Flynn  
ISBN: 1-58381-040-4
- Vol. CS-210    DELTA SCUTI AND RELATED STARS:  
Reference Handbook and Proceedings of the 6<sup>th</sup> Vienna Workshop in Astrophysics  
ed. Michel Breger and Michael Houston Montgomery  
ISBN: 1-58381-043-9
- Vol. CS-211    MASSIVE STELLAR CLUSTERS  
ed. Ariane Lançon and Christian M. Boily  
ISBN: 1-58381-042-0
- Vol. CS-212    FROM GIANT PLANETS TO COOL STARS  
ed. Caitlin A. Griffith and Mark S. Marley  
ISBN: 1-58381-041-2
- Vol. CS-213    BIOASTRONOMY 99: A NEW ERA IN THE SEARCH FOR LIFE IN THE UNIVERSE  
ed. Guillermo Lemarchand and Karen Meech  
ISBN: 1-58381-044-7
- Vol. CS-214    THE Be PHENOMENON IN EARLY-TYPE STARS  
IAU Colloquium 175  
ed. Myron A. Smith, Huib F. Henrichs and Juan Fabregat  
ISBN: 1-58381-045-5



INTERNATIONAL ASTRONOMICAL UNION (IAU)  
SYMPOSIA

Published by the Astronomical Society of the Pacific

---

**PUBLISHED: 1999**

- Vol. No. 190 NEW VIEWS OF THE MAGELLANIC CLOUDS  
eds. You-Hua Chu, Nicholas B. Suntzeff, James E. Hesser, and David A. Bohlender  
ISBN: 1-58381-021-8
- Vol. No. 191 ASYMPTOTIC GIANT BRANCH STARS  
eds. T. Le Bertre, A. Lèbre, and C. Waelkens  
ISBN: 1-886733-90-2
- Vol. No. 192 THE STELLAR CONTENT OF LOCAL GROUP GALAXIES  
eds. Patricia Whitelock and Russell Cannon  
ISBN: 1-886733-82-1
- Vol. No. 193 WOLF-RAYET PHENOMENA IN MASSIVE STARS AND STARBURST GALAXIES  
eds. Karel A. van der Hucht, Gloria Koenigsberger, and Philippe R. J. Eenens  
ISBN: 1-58381-004-8
- Vol. No. 194 ACTIVITY IN GALAXIES AND RELATED PHENOMENA  
eds. Yervant Terzian, Daniel Weedman, and Edward Khachikian  
ISBN: 1-58381-008-0

**PUBLISHED: 2000** (\*) Asterisk indicates editors are still working on the volume as of April 2000

- Vol. No. 195 HIGHLY ENERGETIC PHYSICAL PROCESSES AND MECHANISMS FOR  
EMISSION FROM ASTROPHYSICAL PLASMAS  
eds. P. C. H. Martens, S. Tsuruta, and M. A. Weber  
ISBN: 1-58381-038-2
- Vol. No. 196\* PRESERVING THE ASTRONOMICAL SKY  
eds. R. J. Cohen and W. T. Sullivan
- Vol. No. 197 ASTROCHEMISTRY: FROM MOLECULAR CLOUDS TO PLANETARY SYSTEMS  
eds. Y. C. Minh and E. F. van Dishoeck  
ISBN: 1-58381-034-X
- Vol. No. 198\* THE LIGHT ELEMENTS AND THEIR EVOLUTION  
eds. L. da Silva, R. de Medeiros, and M. Spite
- Vol. No. 199\* THE UNIVERSE AT LOW RADIO FREQUENCIES  
eds. A. Pramesh Rao

- .....
- Vol. XXIVA TRANSACTIONS OF THE INTERNATIONAL ASTRONOMICAL UNION  
REPORTS ON ASTRONOMY 1996-1999  
ed. Johannes Andersen  
ISBN: 1-58381-035-8

**INTERNATIONAL ASTRONOMICAL UNION (IAU)  
SYMPOSIA**

Published by the Astronomical Society of the Pacific

---

Complete lists of proceedings of past IAU Meetings are maintained at the  
IAU Web site at the URL: <http://www.iau.org/publicat.html>

Volumes 32 - 189 in the IAU Symposia Series may be ordered from  
Kluwer Academic Publishers  
P. O. Box 117  
NL 3300 AA Dordrecht  
The Netherlands

All other book orders or inquiries concerning volumes listed should be directed to the:

Astronomical Society of the Pacific Conference Series  
390 Ashton Avenue  
San Francisco CA 94112-1722 USA

Phone: 415-337-2126  
Fax: 415-337-5205  
E-mail: [catalog@aspsky.org](mailto:catalog@aspsky.org)  
Web Site: <http://www.aspsky.org>

ISBN 1-58381-045-5



9 0000



9 781583 810453