

ASTROMETRIC OBSERVATIONS AFTER 1988.0

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Shanghai Observatory has been the institute where astrometric observations are collected and treated after 1988.0, some tables are given here with which one may understand its recent situation.

TABLE 1. Number of observations and instruments (1988.0 - 1992.0)

	PZT	ASTR	ZT	TI	CIRC	Total
1988	4474(10)	2383(15)	4342(16)	3380(20)	241(3)	14820(64)
1989	2776(9)	1947(11)	3932(13)	3104(17)	226(3)	11985(53)
1990	1436(7)	2237(12)	4168(13)	2947(14)	220(3)	11008(49)
1991	1312(5)	858(8)	3963(15)	2849(11)	194(3)	9176(42)
SUM	9998	7425	16405	12280	881	46989

TABLE 2. Average precision of a group measurement

	Latitude (unit:0.001")			Time (unit:0.0001s)		
	88-91	62-81	Improvement	88-91	62-81	Improvement
PZT	106	110	4%	115	153	25%
AST	126	140	10%	130	174	25%
ZL	124	182	32%			
TI				157	209	24%
CIRC	164	161	-2%	127	258	51%

TABLE 3. Quarterly mean rms of the ERP (unit: 0.001" or 0.0001s)

	1988				1989				1990			
	X	137	147	144	136	137	129	153	185	167	168	195
Y	108	133	120	103	104	124	151	196	194	191	240	220
UT1	98	120	117	95	103	110	131	143	142	145	159	140

The number of observations is decreasing continuously. As it had decided, no ERP from them were reduced anymore after 1991.0. Over 40 instruments are still working at the moment: many of them are really good instruments which have 20-30 year continuous observations. According to the resolutions passed by IAU Com.19,IUGG-IAG Com.5,IAU Symp.156, and the works already done in the past years, their importance in studies related to plumb line is doubtless.