BUREAU INTERNATIONAL DES POIDS ET MESURES

(B I P M)

Circular T 6 (1988 August 1)

1 - COORDINATED UNIVERSAL TIME UTC

(Since 1988 January 1, 0h UTC, TAI-UTC = 24s)

A - Computed values of UTC-UTC(k)

Date 1988 (0h UTC)	JUN 7	JUN 17	JUN 27
MJD	47319	47329	47339
Laboratory k	UTC-UTC(k)	(Unit = 1 microsecond)	
AOS (Borowiec)	0.60	0.58	0.28
APL (Laurel)	-0.01	-0.02	-0.05
ASMW (Berlin)	-0.38	-0.38	-0.36
AUS (Canberra)	-14.19	-14.30	-14.50
BEV (Wien)	-10.65	-11.39	-12.17
CAO (Cagliari)	3.71	3.84	3.94
CH (Berne)	1.16	1.13	1.10
CRL (Tokyo)	-1.94	-1.91	-1.91
CSAO (Shaanxi)	0.69	0.81	0.86
FTZ (Darmstadt)	17.40	17.52	17.70
IEN (Torino)	0.44	0.62	0.72
IFAG (Wettzell)	-3.33	-3.11	-2.87
ILOM (Mizusawa)	-35.56	-35.47	-35.44
INPL (Jerusalem)	67.27	68.45	69.66
JATC (Xian)	0.26	0.62	0.80
KSRI (Daejeon)	-8.31	-8.49	-8.95
NBS (Boulder)	-0.95	-0.94	-0.94
NIM (Beijing)	8.82	8.86	8.74
NPL (Teddington)	4.30	4.26	4.20
NPLI (New-Delhi)	-12.11	-12.09	-12.05
NRC (Ottawa)	-9.18	-9.17	-9.16
NRLM (Tsukuba)	-24.73	-25.04	-25.44
OMH (Budapest)	-	-	-
OMSF (San Fernando)	4.38	4.53	4.65
OP (Paris)	-0.76	-0.82	-0.92
ORB (Bruxelles)	-9.92	-10.02	-10.12
PKNM (Warsaw)	1.72	1.97	2.20
PTB (Braunschweig)	4.35	4.37	4.35
SO (Shanghai)	1.90	2.01	2.05
STA (Stockholm)	0.25	0.16	0.05
SU (Moscow)	19.33	19.42	19.45
TAO (Tokyo)	-2.09	-2.08	-2.10
TL (Taiwan) (1)	281.48	282.74	-5.23
TP (Praha)	2.23	2.53	2.35
TUG (Graz)	0.33	0.60	0.89
USNO (Washington) (USNO MC)	-3.58	-3.47	-3.37
VSL (Delft)	3.76	3.75	3.76
YUZM (Beograd)	-0.10	0.63	1.25
ZIPE (Potsdam)	0.25	0.26	0.21

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(1) TL . Time step of UTC(TL) of +288 μs and change of master clock on MJD = 47329.125

B - Direct measurement of UTC(j)-UTC(k) by clock transportation

Date 1988	MJD	Time comparisons (Unit : 1 microsecond)		uncert.	source
JUN 30	47342.06	UTC(CRL) - UTC(TAO) =	-0.216	0.005	CRL message

2 - INTERNATIONAL ATOMIC TIME TAI AND LOCAL ATOMIC TIME SCALES TA(k)

A - Computed values of TAI-TA(k)

Date 1988 (0h UTC)	JUN 7	JUN 17	JUN 27
MJD	47319	47329	47339
Laboratory k	TAI-TA(k)	(Unit = 1 microsecond)	
AOS (Borowiec) (1)	-106.97	-109.09	-111.49
APL (Laurel)	-0.01	-0.02	-0.05
CH (Berne)	-49.92	-50.13	-50.34
CRL (Tokyo)	-3.66	-3.62	-3.62
CSAO(Shaanxi)	39.67	39.80	39.84
DDR (Berlin)	-28.83	-29.16	-29.56
F (Paris)	55.89	56.32	56.79
JATC(Xian)	0.19	0.32	0.43
NBS (Boulder)	-45111.54	-45111.93	-45112.32
NIM (Beijing)	-8.22	-8.16	-8.22
NRC (Ottawa)	21.89	21.90	21.91
PTB (Braunschweig)	-359.05	-359.03	-359.05
SO (Shanghai)	-45.69	-45.63	-45.63
SU (Moscow)	2827269.33	2827269.42	2827269.45
USNO(Washington) (2)	-34560.28	-34560.80	-34561.34

(1) AOS . Corrected values :

MJD	TAI-TA(AOS)
47289	-101.01
47299	-102.88
47309	-104.92

(2) TA(USNO) is designated by A1(MEAN) by USNO.

B - Duration of the TAI scale interval (BIPM evaluation)

For MAY 1988-JUN.1988 1+0.1*10**-13 +0R- 1.0*10**-13

in SI second at sea level, based on CRL, NBS, NRC, PTB and SU data.