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1 - Coordinated Universal Time UTC and its local realizations UTC(k). Computed values of  $[UTC-UTC(k)]$  and uncertainties valid for the period of this Circular. From 2006 January 1, 0h UTC,  $TAI-UTC = 33$  s.

Date 2006	0h UTC	MAY 29	JUN 3	JUN 8	JUN 13	JUN 18	JUN 23	JUN 28	Uncertainty/ns			Notes
MJD		53884	53889	53894	53899	53904	53909	53914	$u_A$	$u_B$	$u$	
Laboratory $k$		$[UTC-UTC(k)]/ns$										
AOS (Borowiec)		-0.1	-11.9	-1.5	-1.0	3.8	4.3	5.2	1.6	5.3	5.5	
APL (Laurel)		-11.4	4.9	13.6	15.4	6.6	7.5	0.8	1.6	5.2	5.4	
AUS (Sydney)		-598.2	-592.3	-591.2	-581.0	-540.7	-536.0	-529.0	3.2	6.3	7.0	
BEV (Wien)		78.8	78.7	84.3	83.5	93.9	97.5	97.9	1.6	5.3	5.5	
BIRM (Beijing)		-1769.6	-1786.6	-1805.5	-1820.6	-1840.3	-1859.0	-1874.4	2.7	20.4	20.5	
CAO (Cagliari)		-1456.2	-1458.9	-1447.0	-1428.3	-1398.4	-1368.9	-1311.8	1.6	7.2	7.4	
CH (Bern)		-12.7	-3.3	-2.4	2.4	23.8	25.1	30.9	0.9	5.2	5.3	
CNM (Queretaro)		-24.6	-14.8	-12.8	-7.3	-9.1	-14.2	-13.5	5.0	20.4	21.0	
CNMP (Panama)		-5037.0	-5062.5	-5107.0	-5137.6	-5160.7	-5185.9	-5216.4	4.0	7.2	8.3	
CSIR (Pretoria)		518.7	433.3	362.8	253.3	196.5	128.0	65.9	3.0	20.1	20.3	
DLR (Oberpfaffenhofen)		-	-	-	-	-	-	-	-	-	-	
DTAG (Darmstadt)		-49.2	-45.1	-49.1	-49.0	-54.2	-67.9	-70.8	3.0	10.1	10.6	
HKO (Hong Kong)		115.6	124.9	125.4	127.0	139.3	140.3	133.5	3.2	6.3	7.1	
IFAG (Wetzell)		-56.8	-54.0	-50.8	-52.8	-34.3	-27.6	-27.0	0.9	5.2	5.3	
IGMA (Buenos Aires)		-	-	-	-	-	-	-	-	-	-	
INPL (Jerusalem)		150.4	145.9	147.5	148.9	159.7	155.6	154.9	4.0	10.2	10.9	
IT (Torino)		0.4	2.5	-0.4	-2.1	-3.8	-5.4	-5.0	0.7	2.3	2.4	(1)
JATC (Lintong)		9.5	-6.3	-5.4	-4.4	1.1	-1.6	-3.3	2.6	20.9	21.1	
JV (Kjeller)		-4029.5	-3967.8	-3934.1	-3899.5	-3853.3	-3766.1	-3696.8	5.0	20.0	20.7	
KRIS (Daejeon)		-10.1	-14.6	-23.8	-12.5	-16.9	-13.5	-14.6	1.3	6.3	6.4	
LDS (Leeds)		5124.2	5160.1	5199.6	5249.7	5287.2	5297.1	5331.2	3.0	20.0	20.2	
LT (Vilnius)		120.0	136.6	138.7	142.6	148.5	134.1	147.0	1.6	5.3	5.5	
MIKE (Espoo)		-108.2	-105.8	-102.7	-95.3	-102.2	-97.2	-109.1	5.0	19.9	20.5	
MSL (Lower Hutt)		-25.6	-1.8	-3.7	42.6	67.3	44.4	35.7	2.3	20.3	20.5	
NAO (Mizusawa)		206.6	204.6	209.6	211.0	208.9	213.4	214.0	3.1	19.7	20.0	
NICT (Tokyo)		-3.0	-4.1	-3.6	-4.2	-3.9	-6.8	-8.1	1.1	3.8	4.0	
NIM (Beijing)		-56.2	-59.5	-57.9	-56.8	-55.3	-53.2	-53.7	3.2	20.2	20.4	
NIMB (Bucharest)		-864.9	-876.6	-872.5	-873.7	-877.3	-893.6	-875.1	2.5	20.0	20.2	
NIMT (Bangkok)		-1149.8	-1150.1	-1146.1	-1148.0	-1145.9	-1150.2	-1149.6	1.5	20.4	20.4	
NIS (Cairo)		13.1	9.6	5.9	-0.4	-2.6	-2.6	-2.4	1.6	7.2	7.4	

Date 2006	0h UTC	MAY 29	JUN 3	JUN 8	JUN 13	JUN 18	JUN 23	JUN 28	Uncertainty/ns			Notes
MJD		53884	53889	53894	53899	53904	53909	53914	$u_A$	$u_B$	$u$	
Laboratory	$k$	[UTC-UTC(k)]/ns										
NIST	(Boulder)	6.5	7.1	7.4	6.9	6.9	8.5	9.2	0.7	5.0	5.0	
NMC	(Sofiya)	-4519.1	-4538.2	-4552.5	-4545.0	-4550.0	-4549.3	-4562.9	5.0	20.1	20.7	
NMIJ	(Tsukuba)	-12.5	-10.9	-10.3	-11.4	-9.0	-10.4	-10.3	1.3	6.2	6.4	
NMLS	(Sepang)	-358.0	-351.5	-345.3	-353.8	-355.0	-366.1	-364.3	3.2	20.2	20.5	
NPL	(Teddington)	20.0	17.5	14.7	11.9	9.6	9.3	7.9	0.7	2.3	2.4	
NPLI	(New-Delhi)	19.7	25.6	39.9	47.8	87.8	107.6	119.6	2.5	7.2	7.6	
NRC	(Ottawa)	1.2	-16.1	-19.8	-32.5	-38.9	-40.3	-27.1	3.0	15.1	15.4	
NTSC	(Lintong)	2.8	3.3	7.4	9.8	15.0	10.7	10.4	2.6	6.1	6.6	
OMH	(Budapest)	11099.1	11096.6	11114.7	11111.5	11114.2	11120.5	11130.1	2.5	20.1	20.2	
ONBA	(Buenos Aires)	-10137.8	-10242.2	-10289.0	-10440.8	-10508.9	-10488.0	-10562.8	5.0	7.2	8.8	
ONRJ	(Rio de Janeiro)	7203.9	7255.2	7302.5	7355.9	7415.8	7472.2	7524.1	5.0	20.5	21.1	
OP	(Paris)	-16.2	-12.9	-5.7	-2.7	-5.1	0.7	-2.9	0.7	2.2	2.4	
ORB	(Bruxelles)	0.9	1.8	2.6	1.9	4.8	4.2	3.8	0.9	5.3	5.3	
PL	(Warszawa)	-3.9	-0.8	-3.8	-5.2	4.9	15.8	13.1	1.5	5.1	5.3	
PTB	(Braunschweig)	30.0	32.7	34.6	29.5	28.2	26.8	25.8	0.5	1.7	1.8	
ROA	(San Fernando)	45.2	50.1	53.7	54.2	48.9	60.4	63.5	0.9	5.3	5.3	
SCL	(Hong Kong)	35.0	27.2	29.8	25.3	18.3	3.2	-10.0	4.1	10.5	11.3	
SG	(Singapore)	-80.0	-95.2	-91.3	-91.8	-84.9	-83.7	-79.5	3.2	20.1	20.4	
SMU	(Bratislava)	-124.3	-123.3	-115.8	-105.1	-106.7	-84.2	-86.7	5.0	20.1	20.7	
SP	(Boras)	25.9	26.2	23.7	19.1	26.4	28.7	25.4	0.8	2.3	2.4	(2)
SU	(Moskva)	21.7	25.3	28.6	33.1	36.0	42.0	48.1	3.0	5.2	6.0	
TCC	(Concepcion)	-2864.4	-2872.3	-2876.2	-2885.7	-2921.3	-2950.7	-3016.7	2.1	20.1	20.2	
TL	(Chung-Li)	5.5	6.9	5.8	5.0	6.9	4.1	3.1	1.3	6.1	6.2	
TP	(Praha)	70.4	52.7	43.6	48.0	32.5	16.5	10.9	1.6	5.3	5.5	(3)
UME	(Gebze-Kocaeli)	1243.1	-10.6	-10.5	-19.1	-29.3	-28.1	-25.7	1.6	7.2	7.4	(4)
USNO	(Washington DC)	-8.7	-7.5	-6.8	-6.4	-6.2	-3.9	-2.9	0.6	1.8	1.9	
VSL	(Delft)	19.4	20.0	15.8	10.6	14.3	12.6	5.6	0.7	3.5	3.5	
ZMDM	(Belgrade)	3090.7	3119.0	3150.2	3184.6	3204.9	3227.9	3248.4	2.6	7.2	7.7	

- Notes on section 1:

- (1) IT : Change of master clock on MJD 53909.35.
- (2) SP : Corrected uncertainties for MJD 53854 to MJD 53884:  $(u_A, u_B, u) = (0.8, 2.3, 2.4)$  ns.
- (3) TP : Change of master clock on MJD 53887.52.
- (4) UME : Time step of UTC(UME) between MJD 53884.0 and 53889.0 due to master clock change.

2 - International Atomic Time TAI and Local atomic time scales TA(k). Computed values of  $[TAI-TA(k)]$ .

Date 2006	0h UTC	MAY 29	JUN 3	JUN 8	JUN 13	JUN 18	JUN 23	JUN 28	
MJD		53884	53889	53894	53899	53904	53909	53914	
Laboratory k		$[TAI-TA(k)]/ns$							
CH (Bern)		52934.3	52967.5	52992.1	53020.6	53065.8	53090.8	53120.4	
F (Paris)		168387.4	168386.4	168384.8	168378.6	168376.2	168375.0	168368.2	
IT (Torino)		53559.4	53695.4	53832.6	53969.7	54102.7	54243.3	54379.9	
JATC (Lintong)		-39742.3	-39786.3	-39823.0	-39862.2	-39897.3	-39938.3	-39972.8	
KRIS (Daejeon)		12055.1	12116.5	12173.7	12249.9	12312.5	12382.3	12448.3	
NICT (Tokyo)		-1.4	0.0	0.5	0.2	3.3	0.9	0.5	
NIST (Boulder)		-45293083.5	-45293276.7	-45293470.1	-45293664.4	-45293858.1	-45294050.3	-45294243.3	
NRC (Ottawa)		29759.3	29758.9	29772.1	29776.5	29786.6	29802.3	29824.1	
NTSC (Lintong)		2877.3	2899.1	2923.6	2944.8	2968.1	2987.3	3010.9	
ONRJ (Rio de Janeiro)		-	13.8	-21.7	-51.7	-77.8	-105.1	-119.0	(1)
PL (Warszawa)		-3648.0	-3657.6	-3665.1	-3672.2	-3681.2	-3684.8	-3692.3	
PTB (Braunschweig)		-358227.0	-358216.9	-358207.7	-358205.1	-358199.0	-358192.8	-358186.4	
SU (Moskva)		27242202.1	27242219.5	27242236.6	27242255.0	27242271.7	27242291.5	27242311.4	(2)
TL (Chung-Li)		367.7	371.9	374.7	383.3	389.9	391.8	394.6	
USNO (Washington DC)		-34977304.5	-34977607.9	-34977912.5	-34978217.9	-34978523.7	-34978827.4	-34979133.0	

- Notes on section 2:

(1) ONRJ: TA(ONRJ) is an independent local atomic time scale computed by ONRJ.

(2) SU : Listed values are  $TAI-TA(SU) - 2.80$  seconds.

3 - Difference between the normalized frequencies of EAL (free atomic time scale) and TAI.

	Interval of validity	$f(EAL)-f(TAI)$	
Steering correction	53884 - 53914	$6.823 \times 10^{-13}$	(2006 MAY 29 - 2006 JUN 28)
New correction	53914 - 53944	$6.823 \times 10^{-13}$	(2006 JUN 28 - 2006 JUL 28)
New correction foreseen	53944 - 53974	$6.820 \times 10^{-13}$	(2006 JUL 28 - 2006 AUG 27)

4 - Duration of the TAI scale interval.

TAI is a realization of coordinate time TT. The following tables give the fractional deviation  $d$  of the scale interval of TAI from that of TT (the SI second on the geoid), i.e. the fractional frequency deviation of TAI with the opposite sign:  $d = -y_{TAI}$ . In this section, a frequency over a time interval is defined as the ratio of the end-point phase difference to the duration of the interval. Whenever needed, the instability of EAL should be expressed as the quadratic sum of three components with  $\tau$  in days: (1) a white frequency noise of  $3.0 \times 10^{-15} / \sqrt{\tau}$ , (2) a flicker frequency noise of  $0.5 \times 10^{-15}$  and (3) a random walk frequency noise of  $1.0 \times 10^{-16} \times \sqrt{\tau}$ . The relation between EAL and TAI is given in *Circular T* and the *Annual Report of the BIPM Time Section*.

In the first table,  $d$  is obtained, on the given periods of estimation by comparison of the TAI frequency with that of the given individual Primary Frequency Standards (PFS). In this table:  $u_A$  is the uncertainty originating in the instability of the PFS,  $u_B$  is the combined uncertainty from systematic effects,  $Ref(u_B)$  is a reference giving information on the stated value of  $u_B$  or is the *Circular T* where this reference was first given,  $u_{1/Lab}$  is the uncertainty in the link between the PFS and the clock participating to TAI, including the uncertainty due to the dead-time,  $u_{1/TAI}$  is the uncertainty in the link to TAI,  $u$  is the quadratic sum of all four uncertainty values. All values are expressed in  $10^{-15}$ .

Standard	Period of Estimation	$d$	$u_A$	$u_B$	Ref( $u_B$ )	$u_{1/Lab}$	$u_{1/TAI}$	$u$	Note
SYRTE-JPO	53884 53914	8.0	0.6	6.3	T160	0.3	1.0	6.4	(1)
PTB-CS1	53884 53914	2.3	5.0	8.0	T148	0.0	1.0	9.5	(2)
PTB-CS2	53884 53914	1.2	3.0	12.0	T148	0.0	1.0	12.4	(2)

Notes:

- (1) Report 4 July by LNE-SYRTE.
- (2) Continuously operating as a clock participating to TAI.

The second table gives the BIPM estimate of  $d$ , based on all available PFS measurements over the period MJD 53524-53914, taking into account their individual uncertainties and characterizing the instability of EAL as noted above.  $u$  is the computed standard uncertainty of  $d$

Period of estimation	$d$	$u$
53884-53914	$1.9 \times 10^{-15}$	$1.8 \times 10^{-15}$ (2006 MAY 29 - 2006 JUN 28)

5 - Relations of UTC and TAI with GPS time and GLONASS time.

$$\begin{aligned}
 [\text{UTC-GPS time}] &= -14 \text{ s} + C_0, & [\text{TAI-GPS time}] &= 19 \text{ s} + C_0, & \text{global uncertainty is of order } 10 \text{ ns.} \\
 [\text{UTC-GLONASS time}] &= 0 \text{ s} + C_1, & [\text{TAI-GLONASS time}] &= 33 \text{ s} + C_1, & \text{global uncertainty is of order hundreds ns.}
 \end{aligned}$$

The  $C_0$  values are obtained using the values  $[\text{UTC-UTC(OP)}]$  and the GPS data taken at the Paris Observatory, corrected for IGS precise orbits, clocks and ionosphere maps. The  $C_1$  values are obtained using the values  $[\text{UTC-UTC(AOS)}]$  and the GLONASS data taken at the Astrogeodynamical Observatory Borowiec (AOS).  $N_0$  and  $N_1$  are the numbers of measurements, when  $N_0$  or  $N_1$  is 0, the corresponding values of  $C_0$  or  $C_1$  are interpolated.

The standard deviations  $\sigma_0$  and  $\sigma_1$  characterize the dispersion of individual measurements. The actual uncertainty of user's access to GPS and GLONASS times may differ from these values.

For this circular,  $\sigma_0 = 2.1 \text{ ns}$ ,  $\sigma_1 = 14.6 \text{ ns}$

Date 2006	0h UTC	MJD	$C_0/\text{ns}$	$N_0$	$C_1/\text{ns}$	$N_1$
MAY 29		53884	-13.1	48	-17.9	85
MAY 30		53885	-13.5	46	-16.2	87
MAY 31		53886	-13.4	47	-14.3	82
JUN 1		53887	-14.7	46	-11.5	73
JUN 2		53888	-14.7	48	-8.6	85
JUN 3		53889	-13.2	47	-4.9	86
JUN 4		53890	-13.0	46	-4.9	80
JUN 5		53891	-13.2	47	2.8	87
JUN 6		53892	-14.9	47	15.2	82
JUN 7		53893	-16.4	47	18.9	75
JUN 8		53894	-14.4	47	17.9	75
JUN 9		53895	-10.5	47	21.7	84
JUN 10		53896	-9.4	47	25.5	81
JUN 11		53897	-10.4	47	27.2	72
JUN 12		53898	-10.2	47	29.9	80
JUN 13		53899	-11.0	47	29.5	75
JUN 14		53900	-10.6	48	31.0	90
JUN 15		53901	-10.0	47	39.5	70
JUN 16		53902	-9.9	47	53.8	63
JUN 17		53903	-13.0	47	63.3	71
JUN 18		53904	-15.4	48	70.0	67
JUN 19		53905	-13.2	47	74.5	75
JUN 20		53906	-13.1	47	83.0	80
JUN 21		53907	-14.0	46	91.0	89
JUN 22		53908	-9.1	46	100.6	80
JUN 23		53909	-7.7	46	118.3	88
JUN 24		53910	-6.6	47	132.0	82
JUN 25		53911	-4.8	47	141.2	70
JUN 26		53912	-6.7	48	144.0	76
JUN 27		53913	-8.1	45	137.1	89
JUN 28		53914	-8.2	46	132.6	74

6 - Time links used for the computation of TAI and their uncertainties.

The time links used in the elaboration of this *Circular T* are listed in this section. The technique for the link is indicated as follows: GPS SC for GPS common-view single-channel C/A data; GPS MC for GPS common-view multi-channel C/A data; GPS P3 for GPS common-view multi-channel dual-frequency P code data; GPS GT for 'GPS time' observations; INT LK for internal cable link and TWSTFT for two-way satellite time and frequency transfer data.

For each link, the following uncertainties are provided:  $u_A$  is the statistical uncertainty evaluated by taking into account the level of phase noise in the raw data, the interpolation interval between data points and the effects with typical duration between 5 and 30 days.  $u_B$  is the estimated uncertainty on the calibration.

The calibration type of the link is indicated as: GPS EC for GPS equipment calibration; TW EC for two-way equipment calibration; LC (technique) for a link calibrated using 'technique'; BC (technique) for a link calibrated using 'technique' to transfer a past equipment calibration through a discontinuity of link operation.

The calibration dates indicate: the most recent calibration results for the two laboratories in the case of EC and the most recent calibration of the link in the case of LC and BC, NA stands for not available, in this case estimated values are provided

Link	Type	$u_A$ /ns	$u_B$ /ns	Calibration Type	Calibration Dates
AOS /PTB	GPS MC	1.5	5.0	GPS EC /GPS EC	2003 Sep/2003 Aug
APL /USNO	GPS MC	1.5	5.0	GPS EC /GPS EC	2003 Dec/2003 Dec
AUS /NICT	GPS MC	3.0	5.0	GPS EC/GPS EC	2002 Sep/2003 Nov
BEV /PTB	GPS MC	1.5	5.0	GPS EC/GPS EC	2001 Dec/2003 Aug
BIRM/NICT	GPS MC	2.5	20.0	NA /GPS EC	NA /2003 Nov
CAO /PTB	GPS MC	1.5	7.0	GPS EC/GPS EC	2004 Nov/2003 Aug
CH /PTB	GPS P3	0.7	5.0	GPS EC/GPS EC	2004 Nov/2004 Aug
CNM /NIST	GPS SC	5.0	20.0	NA /GPS EC	NA /2003 Dec
CNMP/USNO	GPS MC	4.0	7.0	GPS EC/GPS EC	2002 Oct/2003 Dec
CSIR/PTB	GPS MC	3.0	20.0	NA /GPS EC	NA /2003 Aug
DLR /PTB	NA				
DTAG/PTB	GPS SC	3.0	10.0	GPS EC/GPS EC	1998 May/2003 Aug
HKO /NICT	GPS MC	3.0	5.0	GPS EC/GPS EC	2004 Apr/2003 Nov
IFAG/PTB	GPS P3	0.7	5.0	GPS EC/GPS EC	2003 Jun/2004 Aug
IGMA/USNO	NA				
INPL/PTB	GPS SC	4.0	10.0	GPS EC/GPS EC	1987 Jun/2003 Jun
IT /PTB	TWSTFT	0.5	1.5	BC (TWSTFT)	2005 May
JATC/NTSC	INT LK	0.2	20.0	NA	NA
JV /PTB	GPS GT	5.0	20.0	NA /GPS EC	NA /2003 Aug
KRIS/NICT	GPS P3	0.7	5.0	GPS EC/GPS EC	2005 Aug/2005 Jun

Link	Type	$u_A$ /ns	$u_B$ /ns	Calibration Type	Calibration Dates
LDS /PTB	GPS SC	3.0	20.0	NA /GPS EC	NA /2003 Aug
LT /PTB	GPS MC	1.5	5.0	GPS EC/GPS EC	2001 Nov/2003 Aug
MIKE/PTB	GPS MC	5.0	20.0	NA /GPS EC	NA /2003 Aug
MSL /NICT	GPS P3	2.0	20.0	NA /GPS EC	NA /2005 Jun
NAO /NICT	GPS SC	3.0	20.0	NA /GPS EC	NA /2003 Nov
NICT/PTB	GPS P3	1.5	5.0	GPS EC/GPS EC	2005 Jun/2004 Aug
NIM /NICT	GPS MC	3.0	20.0	NA /GPS EC	NA /2003 Nov
NIMB/PTB	GPS MC	2.5	20.0	NA /GPS EC	NA /2003 Aug
NIMT/NICT	GPS P3	1.0	20.0	NA /GPS EC	NA /2005 Jun
NIS /PTB	GPS MC	1.5	7.0	GPS EC/GPS EC	2005 May/2003 Aug
NIST/PTB	TWSTFT	0.5	5.0	BC(GPS P3)	2005 May
NMC /PTB	GPS SC	5.0	20.0	NA /GPS EC	NA /2003 Aug
NMIJ/NICT	GPS P3	0.7	5.0	GPS EC/GPS EC	2002 Apr/2005 Jun
NMLS/NICT	GPS MC	3.0	20.0	NA /GPS EC	NA /2003 Nov
NPL /PTB	TWSTFT	0.5	1.5	BC(GPS P3)	2005 May
NPLI/PTB	GPS MC	2.5	7.0	GPS EC/GPS EC	2005 Jul/2003 Aug
NRC /USNO	GPS SC	3.0	15.0	GPS EC/GPS EC	1982 /2003 Dec
NTSC/NICT	GPS MC	2.5	5.0	GPS EC/GPS EC	2002 Aug/2003 Oct
OMH /PTB	GPS SC	2.5	20.0	NA /GPS EC	NA /2003 Aug
ONBA/USNO	GPS MC	5.0	7.0	GPS EC/GPS EC	2000 Oct/2003 Dec
ONRJ/NIST	GPS SC	5.0	20.0	NA /GPS EC	NA /2003 Dec
OP /PTB	TWSTFT	0.5	1.5	BC(GPS P3)	2005 May
ORB /PTB	GPS P3	0.7	5.0	GPS EC/GPS EC	2003 Jul/2004 Aug
PL /PTB	GPS MC	1.5	5.0	GPS EC/GPS EC	2001 Oct/2003 Aug
ROA /PTB	TWSTFT	0.7	5.0	BC(GPS P3)	2005 May
SCL /NICT	GPS SC	4.0	10.0	GPS EC/GPS EC	1993 May/2003 Nov
SG /NICT	GPS MC	3.0	20.0	NA /GPS EC	NA /2003 Nov
SMU /PTB	GPS SC	5.0	20.0	NA /GPS EC	NA /2003 Aug
SP /PTB	GPS P3	0.7	1.5	LC(TWSTFT)	2005 Nov (1)
SU /PTB	GPS SC	3.0	5.0	GPS EC/GPS EC	2003 Apr/2003 Aug
TCC /USNO	GPS P3	2.0	20.0	NA /GPS EC	NA /2002 Dec
TL /NICT	GPS P3	0.7	5.0	GPS EC/GPS EC	2005 May/2005 Jun
TP /PTB	GPS MC	1.5	5.0	LC(GPS SC)	2006 Jun
UME /PTB	GPS MC	1.5	7.0	GPS EC/GPS EC	2005 Dec/2003 Aug
USNO/PTB	TWSTFT	0.5	1.1	BC(TW X-Band)	2005 May
VSL /PTB	TWSTFT	0.5	3.0	BC(GPS SC)	2005 May
ZMDM/PTB	GPS MC	2.5	7.0	GPS EC/GPS EC	2005 Mar/2003 Aug

- Note on section 6:

(1) Correction for Circular T 221:

SP /PTB	GPS P3	0.7	1.5	LC(TWSTFT)	2005 Nov
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