

GENERAL INFORMATION:

To receive this information electronically, contact:
 ser7@maia.usno.navy.mil or use http://maia.usno.navy.mil/
 MJD = Julian Date - 2 400 000.5 days
 $UT2-UT1 = 0.022 \sin(2\pi T) - 0.012 \cos(2\pi T) - 0.006 \sin(4\pi T) + 0.007 \cos(4\pi T)$
 where $\pi = 3.14159265\dots$ and T is the date in Besselian years.
 $TT = TAI + 32.184$ seconds
 DUT1 = (UT1-UTC) transmitted with time signals
 = -0.6 seconds beginning 17 March 2005 at 0000 UTC
 Beginning 1 January 1999:
 $TAI-UTC(BIPM) = 32.000\ 000$ seconds

32.184秒積算値

 * No leap second will be introduced in UTC on 30 June 2005. *
 * New USNO VLBI Intensive Series was added on 04 November 2004. *
 * Bulletin A is now compliant with IAU 2000 resolutions. *
 * See notice at the end of this Bulletin A for more details. *

The contributed observations used in the preparation of this Bulletin are available at ftp://maia.usno.navy.mil/bulla-data.html. The contributed analysis results are based on data from Very Long Baseline Interferometry (VLBI), Satellite Laser Ranging (SLR), the Global Positioning System (GPS) satellites, Lunar Laser Ranging (LLR), and meteorological predictions of variations in Atmospheric Angular Momentum (AAM).

COMBINED EARTH ORIENTATION PARAMETERS:

		IERS Rapid Service				UT1-UTC	
MJD	x	error	y	error	s	error	s
5 6 10	53531	-.05661	.00003	.36462	.00006	-.615745	.000019
5 6 11	53532	-.05547	.00003	.36661	.00006	-.615354	.000019
5 6 12	53533	-.05435	.00002	.36868	.00006	-.615096	.000019
5 6 13	53534	-.05327	.00002	.37080	.00005	-.614951	.000017
5 6 14	53535	-.05249	.00002	.37291	.00005	-.614956	.000014
5 6 15	53536	-.05201	.00002	.37468	.00005	-.615123	.000011
5 6 16	53537	-.05142	.00002	.37608	.00004	-.615437	.000008

Δd

PREDICTIONS:

The following formulas will not reproduce the predictions given below, but may be used to extend the predictions beyond the end of this table.

rat

$x = .0600 - .0015 \cos A + .0818 \sin A - .1103 \cos C - .0519 \sin C$
 $y = .3485 + .0788 \cos A + .0930 \sin A - .0519 \cos C + .1103 \sin C$
 $UT1-UTC = -.5946 - .00039 (MJD - 53542) - (UT2-UT1)$

where $A = 2\pi * (MJD - 53537) / 365.25$ and $C = 2\pi * (MJD - 53537) / 435$.

jdo(ユリウス日)

TAI-UTC(MJD 53538) = 32.0

The accuracy may be estimated from the expressions:
 $S x, y = 0.00068 (MJD - 53537)**0.80$ $S t = 0.00025 (MJD - 53537)**0.75$
 Estimated accuracies are:
 Predictions 10 d 20 d 30 d 40 d
 Polar coord's 0.004 0.007 0.010 0.013
 UT1-UTC 0.0014 0.0024 0.0032 0.0040

24 00000.5

↑↑↑↑↑
 5 3 5 4 2

MJD	x(arcsec)	y(arcsec)	UT1-UTC(sec)
2005 6 17 53538	-0.0508	0.3775	-0.61585
2005 6 18 53539	-0.0500	0.3789	-0.61625
2005 6 19 53540	-0.0493	0.3803	-0.61650
2005 6 20 53541	-0.0485	0.3818	-0.61650
2005 6 21 53542	-0.0476	0.3833	-0.61625
2005 6 22 53543	-0.0468	0.3848	-0.61581
2005 6 23 53544	-0.0459	0.3863	-0.61535
2005 6 24 53545	-0.0449	0.3878	-0.61497
2005 6 25 53546	-0.0440	0.3893	-0.61474
2005 6 26 53547	-0.0430	0.3908	-0.61475
2005 6 27 53548	-0.0421	0.3922	-0.61498
2005 6 28 53549	-0.0411	0.3937	-0.61532
2005 6 29 53550	-0.0401	0.3951	-0.61566
2005 6 30 53551	-0.0390	0.3965	-0.61585
2005 7 1 53552	-0.0380	0.3979	-0.61581
2005 7 2 53553	-0.0369	0.3993	-0.61551
2005 7 3 53554	-0.0359	0.4006	-0.61494
2005 7 4 53555	-0.0348	0.4019	-0.61415
2005 7 5 53556	-0.0337	0.4033	-0.61320
2005 7 6 53557	-0.0325	0.4046	-0.61220
2005 7 7 53558	-0.0314	0.4058	-0.61123
2005 7 8 53559	-0.0302	0.4071	-0.61038
2005 7 9 53560	-0.0291	0.4083	-0.60969
2005 7 10 53561	-0.0279	0.4095	-0.60919
2005 7 11 53562	-0.0267	0.4107	-0.60889
2005 7 12 53563	-0.0255	0.4119	-0.60875

x

y