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 Following IAU Conventions 2000, IERS provides new products dX, dY, celestial pole offsets with respect to the new IAU2000A Precession-Nutation theory

The present Bulletin B version includes the celestial pole offsets dX, dY:

$$dX = X_{\text{obs}} - X_{\text{IAU2000A}} \text{ and } dY = Y_{\text{obs}} - Y_{\text{IAU2000A}}$$

where

X_obs, Y_obs are the observed coordinates of the Celestial Intermediate Pole (CIP) in the Geocentric Celestial Reference System, and

X_IAU2000A, Y_IAU2000A are the celestial pole coordinates provided by using the IAU2000A Precession-Nutation theory.

The current Bulletin B including (dpsi,deps)_1980 will be maintained as long as necessary.

For more details refer to IERS Messages 38, on IAU 2000 Resolution Compliancy Information.

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 Contents are described in the Explanatory Supplement available at
<http://hpiers.obspm.fr/eop-pc/>

1 - EARTH ORIENTATION PARAMETERS (IERS evaluation).

The values in this section are samplings of section 2 given at five-day intervals.

Date 2006 (0h UTC)	MJD	x "	y "	UT1R-UTC s	UT1R-TAI s	dX 0.001"	dY 0.001"
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Final Bulletin B values.

MAR	5	53799	0.07876	0.38329	0.294361	-32.705639	0.15	-0.49
MAR	10	53804	0.08061	0.38226	0.289353	-32.710647	0.28	-0.42
MAR	15	53809	0.08360	0.38012	0.285712	-32.714288	0.04	-0.53
MAR	20	53814	0.09271	0.37814	0.281770	-32.718230	0.15	-0.32
MAR	25	53819	0.09804	0.37680	0.276815	-32.723185	0.33	-0.23
MAR	30	53824	0.10148	0.37503	0.270909	-32.729091	-0.06	-0.50
APR	4	53829	0.10406	0.37271	0.264960	-32.735040	0.04	-0.23

Preliminary extension, to be updated weekly in Bulletin A and monthly in Bulletin B.

APR	9	53834	0.10430	0.37085	0.259717	-32.740283	0.10	-0.18
APR	14	53839	0.10321	0.36751	0.254825	-32.745175	0.11	-0.17
APR	19	53844	0.10223	0.36525	0.250125	-32.749875	0.07	-0.21
APR	24	53849	0.10564	0.36288	0.245107	-32.754893	0.00	0.00
APR	29	53854	0.10848	0.36117	0.239444	-32.760556	0.00	0.00
MAY	4	53859	0.11004	0.35919	0.233730	-32.766270	0.00	0.00
MAY	9	53864	0.11129	0.35799	0.229389	-32.770611	0.00	0.00
MAY	14	53869	0.11198	0.35676	0.225994	-32.774006	0.00	0.00
MAY	19	53874	0.11251	0.35548	0.223362	-32.776638	0.00	0.00
MAY	24	53879	0.11286	0.35411	0.221340	-32.778660	0.00	0.00
MAY	29	53884	0.11306	0.35266	0.219868	-32.780132	0.00	0.00
JUN	3	53889	0.11312	0.35113	0.218906	-32.781094	0.00	0.00
JUN	8	53894	0.11301	0.34952	0.218403	-32.781597	0.00	0.00
JUN	13	53899	0.11273	0.34782	0.218327	-32.781673	0.00	0.00
JUN	18	53904	0.11228	0.34606	0.218632	-32.781368	0.00	0.00
JUN	23	53909	0.11163	0.34423	0.219288	-32.780712	0.00	0.00

JUN 28 53914 0.11079 0.34235 0.220234 -32.779766 0.00 0.00

Note. In UT1R, the effects of zonal tides with periods shorter than 35 days are removed ; UT1-UT1R (smaller than 0.0025s in absolute value) should be added after quadratic interpolation of UT1R. Section 2 of this Bulletin gives the daily interpolation of x, y, UT1, duration of day, dX, and dY.

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2 - SMOOTHED VALUES OF x, y, UT1, D, dX, dY (IERS EVALUATION)
 at one-day intervals. For smoothing characteristics, see Table2 in the explanatory supplement. The reference system is described in the 2004 IERS Annual Report.

2006		MJD	x	y	UT1-UTC	UT1-UT1R	D	dX	dY
(0 h UTC)			"	"	s	ms	ms	0.001"	0.001"
MAR	5	53799	0.07876	0.38329	0.292339	-2.022	1.088	0.15	-0.49
MAR	6	53800	0.07997	0.38344	0.291404	-1.810	0.775	0.15	-0.44
MAR	7	53801	0.08076	0.38327	0.290756	-1.380	0.529	0.11	-0.35
MAR	8	53802	0.08125	0.38279	0.290311	-0.835	0.395	0.14	-0.36
MAR	9	53803	0.08113	0.38238	0.289935	-0.276	0.359	0.22	-0.44
MAR	10	53804	0.08061	0.38226	0.289570	0.217	0.370	0.28	-0.42
MAR	11	53805	0.08044	0.38234	0.289179	0.580	0.442	0.26	-0.26
MAR	12	53806	0.08069	0.38225	0.288678	0.778	0.593	0.20	-0.12
MAR	13	53807	0.08133	0.38153	0.287994	0.799	0.784	0.14	-0.17
MAR	14	53808	0.08232	0.38073	0.287121	0.661	0.946	0.08	-0.36
MAR	15	53809	0.08360	0.38012	0.286120	0.408	1.038	0.04	-0.53
MAR	16	53810	0.08557	0.37949	0.285069	0.103	1.054	0.04	-0.56
MAR	17	53811	0.08798	0.37909	0.284037	-0.182	0.987	0.08	-0.52
MAR	18	53812	0.08987	0.37888	0.283117	-0.378	0.916	0.12	-0.47
MAR	19	53813	0.09134	0.37853	0.282220	-0.426	0.824	0.15	-0.42
MAR	20	53814	0.09271	0.37814	0.281476	-0.294	0.668	0.15	-0.32
MAR	21	53815	0.09393	0.37785	0.280879	0.020	0.539	0.12	-0.20
MAR	22	53816	0.09513	0.37773	0.280379	0.476	0.472	0.09	-0.19
MAR	23	53817	0.09625	0.37749	0.279902	0.993	0.501	0.11	-0.30
MAR	24	53818	0.09730	0.37707	0.279332	1.450	0.665	0.21	-0.36
MAR	25	53819	0.09804	0.37680	0.278528	1.713	0.980	0.33	-0.23
MAR	26	53820	0.09863	0.37664	0.277345	1.670	1.362	0.34	-0.07
MAR	27	53821	0.09927	0.37638	0.275806	1.278	1.709	0.20	-0.11
MAR	28	53822	0.10003	0.37598	0.273961	0.591	1.970	0.04	-0.36
MAR	29	53823	0.10087	0.37552	0.271926	-0.248	2.083	-0.05	-0.53
MAR	30	53824	0.10148	0.37503	0.269860	-1.049	1.982	-0.06	-0.50
MAR	31	53825	0.10204	0.37460	0.268012	-1.636	1.696	-0.01	-0.40
APR	1	53826	0.10276	0.37409	0.266489	-1.905	1.313	0.07	-0.38
APR	2	53827	0.10334	0.37348	0.265377	-1.840	0.952	0.13	-0.39
APR	3	53828	0.10365	0.37299	0.264553	-1.506	0.694	0.11	-0.32
APR	4	53829	0.10406	0.37271	0.263951	-1.009	0.549	0.04	-0.23
APR	5	53830	0.10445	0.37234	0.263419	-0.461	0.536	0.01	-0.26
APR	6	53831	0.10450	0.37189	0.262850	0.044	0.599	0.06	-0.39
APR	7	53832	0.10428	0.37171	0.262202	0.435	0.707	0.12	-0.45
APR	8	53833	0.10409	0.37141	0.261427	0.669	0.877	0.12	-0.33
APR	9	53834	0.10430	0.37085	0.260447	0.730	1.083	0.10	-0.18
APR	10	53835	0.10442	0.37034	0.259269	0.626	1.218	0.10	-0.16
APR	11	53836	0.10402	0.36949	0.258027	0.393	1.261	0.12	-0.30
APR	12	53837	0.10360	0.36858	0.256769	0.087	1.260	0.14	-0.41
APR	13	53838	0.10344	0.36800	0.255532	-0.222	1.214	0.13	-0.35
APR	14	53839	0.10321	0.36751	0.254365	-0.460	1.100	0.11	-0.17
APR	15	53840	0.10252	0.36693	0.253350	-0.562	0.924	0.10	-0.02
APR	16	53841	0.10193	0.36630	0.252527	-0.484	0.735	0.08	0.00
APR	17	53842	0.10194	0.36597	0.251878	-0.217	0.584	0.06	-0.07
APR	18	53843	0.10207	0.36578	0.251342	0.209	0.500	0.05	-0.15
APR	19	53844	0.10223	0.36525	0.250846	0.721	0.495	0.07	-0.21
APR	20	53845	0.10289	0.36455	0.250313	1.213	0.573	0.10	-0.26
APR	21	53846	0.10372	0.36410	0.249660	1.562	0.747	0.11	-0.27
APR	22	53847	0.10438	0.36380	0.248787	1.659	1.034	0.00	0.00
APR	23	53848	0.10507	0.36342	0.247582	1.442	1.389	0.00	0.00
APR	24	53849	0.10564	0.36288	0.246027	0.920	1.679	0.00	0.00
APR	25	53850	0.10592	0.36225	0.244269	0.188	1.816	0.00	0.00
APR	26	53851	0.10614	0.36187	0.242426	-0.597	1.788	0.00	0.00
APR	27	53852	0.10653	0.36172	0.240628	-1.260	1.727	0.00	0.00

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3 - NORMAL VALUES OF THE EARTH ORIENTATION PARAMETERS AT FIVE-DAY INTERVALS
(IERS evaluation).

Raw normal values							Uncertainties				
2006	MJD	x	y	UT1-UTC	dX	dY	x	y	UT1	dX	dY
(0 h UTC)		"	"	s	0.001"		0.001"	0.0001s	0.001"		
MAR 5	53799	0.07875	0.38328	0.292339	0.170	-.492	0.01	0.01	0.01	0.01	0.01
MAR 10	53804	0.08062	0.38224	0.289569	0.293	-.434	0.01	0.01	0.01	0.03	0.03
MAR 15	53809	0.08360	0.38013	0.286118	0.054	-.517	0.01	0.01	0.02	0.02	0.02
MAR 20	53814	0.09271	0.37813	0.281475	0.146	-.341	0.01	0.01	0.02	0.03	0.03
MAR 25	53819	0.09805	0.37681	0.278524	0.387	-.226	0.02	0.02	0.02	0.03	0.04
MAR 30	53824	0.10147	0.37505	0.269860	-.056	-.496	0.01	0.01	0.01	0.02	0.02
APR 4	53829	0.10407	0.37272	0.263951	0.041	-.251	0.01	0.01	0.01	0.02	0.02
APR 9	53834	0.10430	0.37085	0.260444	0.098	-.194	0.02	0.02	0.01	0.04	0.04
APR 14	53839	0.10320	0.36752	0.254366	0.139	-.211	0.01	0.02	0.02	0.04	0.05
APR 19	53844	0.10224	0.36525	0.250848	0.098	-.273	0.01	0.01	0.02	0.04	0.05
APR 24	53849	0.10564	0.36288	0.246030	-	-	0.02	0.02	0.02	-	-

4 - DURATION OF THE DAY AND ANGULAR VELOCITY OF THE EARTH (IERS evaluation).

The data of this section are smoothed, with the same characteristics as UT1R in section 1. They are corrected for the effects of zonal tides with periods up to 35 days. Section 2 gives the daily interpolation of D.

Date (0h UTC)	DR	OmegaR	
2006 MJD	s	(microrad/s)	
MAR 5	53799	0.00117	72.921 15048
MAR 10	53804	0.00081	15078
MAR 15	53809	0.00075	15083
MAR 20	53814	0.00090	15071
MAR 25	53819	0.00111	15053
MAR 30	53824	0.00127	15040
APR 4	53829	0.00109	15054

5 - INFORMATION ON TIME SCALES

A leap second was introduced in UTC on 31 December 2005.
No leap second will be introduced in UTC on 30 June 2006.

All information concerning time scales : announcements of the leap seconds (Bulletin C) and of the value of DUT1 (Bulletin D) can be found in our web/ftp site :

World Wide Web : <http://hpiers.obspm.fr>
Anonymous ftp : [hpiers.obspm.fr](ftp://hpiers.obspm.fr) or 145.238.100.28

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6 - SUMMARY OF CONTRIBUTED EARTH ORIENTATION PARAMETERS SERIES

This section gives the average precision of the individual series contributing to the combination and their average agreement with it. The periods covered start at the beginning of the first month in Section 1 and end with the last available value in the individual series considered.

Units : 0.001" for x,y , 0.0001s for UT1, 0.001" for dX, dY.

EOP series Periods covered	Mean formal uncertainty Weighted RMS agreement with Bulletin B						
	x	y	UT	D	dX	dY	Data Number

VLBI

EOP(AUS) 1 R 1	0.10	0.10	0.05	-	-	-	12
53801.21 to 53838.27	0.07	0.12	0.07	-	-	-	
EOP(BKG) 3 R 4	0.07	0.07	0.03	-	-	-	12
53801.20 to 53838.27	0.07	0.14	0.05	-	-	-	
EOP(BKG) 3 R 2	-	-	0.10	-	-	-	45
53799.33 to 53850.79	-	-	0.11	-	-	-	
EOP(USNO) 5 R 1	-	-	0.11	-	-	-	50
53799.33 to 53850.79	-	-	0.10	-	-	-	
EOP(GSFC) 4 R 2	0.06	0.06	0.03	-	-	-	13
53801.21 to 53846.28	0.11	0.12	0.11	-	-	-	
EOP(GSFC) 4 R 1	-	-	0.10	-	-	-	46
53799.33 to 53850.79	-	-	0.18	-	-	-	
EOP(IAA) 5 R 2	0.08	0.09	0.04	-	0.14	0.06	13
53801.21 to 53846.28	0.05	0.13	0.07	-	0.08	0.05	
EOP(IAA) 5 R 1	-	-	0.10	-	-	-	47
53799.33 to 53850.79	-	-	0.09	-	-	-	
EOP(SPBU) 3 R 3	0.24	0.30	0.14	-	-	-	12
53801.21 to 53838.27	0.18	0.21	0.08	-	-	-	
EOP(SPBU) 2 R 1	-	-	0.11	-	-	-	45
53799.33 to 53849.79	-	-	0.09	-	-	-	
EOP(MAO) 3 R 1	0.07	0.08	0.04	-	0.14	0.05	10
53801.26 to 53832.28	0.08	0.17	0.08	-	0.24	0.12	
EOP(USNO) 6 R 1	0.08	0.08	0.03	-	-	-	13
53801.20 to 53846.28	0.08	0.15	0.07	-	-	-	
EOP(IVS) 0 R 1	0.04	0.04	0.02	-	-	-	12
53801.00 to 53838.00	0.10	0.29	0.06	-	-	-	

GPS

EOP(CODE) 98 P 1	0.01	0.01	-	0.08	-	-	53
53799.50 to 53851.50	0.06	0.05	-	0.18	-	-	
EOP(EMR) 96 P 3	0.03	0.03	-	0.04	-	-	53
53799.50 to 53851.50	0.07	0.08	-	0.43	-	-	
EOP(ESOC) 96 P 1	0.01	0.01	-	0.04	-	-	53
53799.50 to 53851.50	0.06	0.06	-	0.53	-	-	
EOP(GFZ) 96 P 2	0.01	0.01	-	0.02	-	-	53
53799.50 to 53851.50	0.05	0.08	-	0.35	-	-	
EOP(IAA) 1 P 1	0.03	0.03	-	0.06	-	-	53
53799.50 to 53851.50	0.14	0.24	-	0.72	-	-	
EOP(JPL) 96 P 3	0.02	0.03	-	0.15	-	-	42
53799.50 to 53840.50	0.06	0.05	-	0.28	-	-	
EOP(NOAA) 96 P 1	0.01	0.01	-	0.02	-	-	42
53799.50 to 53840.50	0.09	0.10	-	0.26	-	-	
EOP(SIO) 96 P 1	0.02	0.02	-	0.01	-	-	53
53799.50 to 53851.50	0.26	0.25	-	0.65	-	-	
EOP(IGS F)95 P 2	0.02	0.02	0.07	0.04	-	-	42
53799.50 to 53840.50	0.02	0.07	0.14	0.10	-	-	
EOP(IGS R)96 P 2	0.04	0.04	0.17	0.06	-	-	53
53799.50 to 53851.50	0.04	0.05	0.64	0.17	-	-	
EOP(IERS) 97 P 1	0.03	0.03	0.19	0.13	-	-	53
53799.50 to 53851.50	0.03	0.03	0.27	0.13	-	-	

SLR

EOP(ASI) 3 L 2	0.08	0.08	-	0.19	-	-	52
53799.50 to 53850.50	0.19	0.25	-	0.52	-	-	
EOP(DUT) 98 L 1	0.09	0.10	-	-	-	-	35
53799.00 to 53847.00	0.49	0.48	-	-	-	-	
EOP(IAA) 2 L 1	0.03	0.04	0.02	0.02	-	-	54

53799.00 to 53852.00	0.15	0.27	0.23	0.15	-	-	
EOP(MCC) 97 L 1	0.16	0.18	-	0.10	-	-	40
53799.00 to 53838.00	0.18	0.30	-	0.16	-	-	
EOP(ILRS) 5 L 1	0.07	0.07	-	0.16	-	-	49
53799.50 to 53847.50	0.16	0.21	-	0.51	-	-	
Bulletin A							
EOP(NEOS) 97 C 1	0.04	0.06	0.08	-	-	-	54
53799.00 to 53852.00	0.04	0.10	0.10	-	-	-	