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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:

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

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.

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.

FEB 3	53769	0.05025	0.38417	0.322391	-32.677609	0.06	-0.31
FEB 8	53774	0.05153	0.38430	0.317918	-32.682082	0.28	-0.41
FEB 13	53779	0.05737	0.38409	0.313308	-32.686692	0.24	-0.25
FEB 18	53784	0.06422	0.38454	0.309230	-32.690770	0.24	-0.69
FEB 23	53789	0.06768	0.38383	0.304741	-32.695259	0.05	-0.56
FEB 28	53794	0.07206	0.38293	0.300062	-32.699938	0.12	-0.28
MAR 5	53799	0.07876	0.38329	0.294361	-32.705639	0.15	-0.49

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

MAR 10	53804	0.08061	0.38225	0.289352	-32.710648	0.28	-0.42
MAR 15	53809	0.08362	0.38011	0.285712	-32.714288	0.09	-0.57
MAR 20	53814	0.09275	0.37814	0.281770	-32.718230	0.17	-0.30
MAR 25	53819	0.09805	0.37678	0.276821	-32.723179	0.00	0.00
MAR 30	53824	0.10146	0.37507	0.270914	-32.729086	0.00	0.00
APR 4	53829	0.10399	0.37268	0.265000	-32.735000	0.00	0.00
APR 9	53834	0.10587	0.37128	0.259220	-32.740780	0.00	0.00
APR 14	53839	0.10731	0.37007	0.254032	-32.745968	0.00	0.00
APR 19	53844	0.10841	0.36896	0.249332	-32.750668	0.00	0.00
APR 24	53849	0.10940	0.36790	0.245022	-32.754978	0.00	0.00
APR 29	53854	0.11034	0.36682	0.241077	-32.758923	0.00	0.00
MAY 4	53859	0.11128	0.36571	0.237522	-32.762478	0.00	0.00
MAY 9	53864	0.11222	0.36455	0.234356	-32.765644	0.00	0.00
MAY 14	53869	0.11315	0.36334	0.231617	-32.768383	0.00	0.00
MAY 19	53874	0.11408	0.36206	0.229305	-32.770695	0.00	0.00
MAY 24	53879	0.11500	0.36072	0.227444	-32.772556	0.00	0.00

MAY 29 53884 0.11586 0.35932 0.226032 -32.773968 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"
FEB	3	53769	0.05025	0.38417	0.321173	-1.218	1.507	0.06	-0.31
FEB	4	53770	0.05015	0.38454	0.319753	-1.748	1.275	0.03	-0.35
FEB	5	53771	0.05041	0.38458	0.318639	-1.990	0.964	0.07	-0.38
FEB	6	53772	0.05097	0.38443	0.317817	-1.932	0.699	0.15	-0.35
FEB	7	53773	0.05122	0.38443	0.317220	-1.622	0.504	0.22	-0.33
FEB	8	53774	0.05153	0.38430	0.316779	-1.139	0.378	0.28	-0.41
FEB	9	53775	0.05265	0.38423	0.316432	-0.576	0.343	0.32	-0.50
FEB	10	53776	0.05388	0.38441	0.316066	-0.023	0.404	0.31	-0.46
FEB	11	53777	0.05511	0.38452	0.315601	0.445	0.517	0.29	-0.31
FEB	12	53778	0.05637	0.38440	0.315017	0.770	0.682	0.27	-0.21
FEB	13	53779	0.05737	0.38409	0.314231	0.924	0.842	0.24	-0.25
FEB	14	53780	0.05816	0.38383	0.313336	0.904	0.940	0.19	-0.34
FEB	15	53781	0.05907	0.38362	0.312365	0.736	1.004	0.16	-0.39
FEB	16	53782	0.06034	0.38359	0.311347	0.470	1.068	0.16	-0.41
FEB	17	53783	0.06212	0.38395	0.310253	0.170	1.117	0.19	-0.51
FEB	18	53784	0.06422	0.38454	0.309136	-0.095	1.085	0.24	-0.69
FEB	19	53785	0.06586	0.38490	0.308103	-0.261	1.002	0.29	-0.78
FEB	20	53786	0.06687	0.38480	0.307145	-0.279	0.869	0.30	-0.67
FEB	21	53787	0.06740	0.38458	0.306370	-0.117	0.661	0.22	-0.51
FEB	22	53788	0.06751	0.38422	0.305815	0.219	0.462	0.09	-0.47
FEB	23	53789	0.06768	0.38383	0.305421	0.680	0.363	0.05	-0.56
FEB	24	53790	0.06807	0.38348	0.305047	1.163	0.426	0.18	-0.51
FEB	25	53791	0.06894	0.38303	0.304520	1.528	0.642	0.35	-0.20
FEB	26	53792	0.07023	0.38271	0.303721	1.637	0.996	0.38	0.09
FEB	27	53793	0.07140	0.38275	0.302511	1.401	1.426	0.24	0.03
FEB	28	53794	0.07206	0.38293	0.300890	0.828	1.776	0.12	-0.28
MAR	1	53795	0.07248	0.38295	0.299011	0.030	1.971	0.10	-0.46
MAR	2	53796	0.07360	0.38304	0.297014	-0.813	1.947	0.12	-0.40
MAR	3	53797	0.07499	0.38327	0.295175	-1.512	1.722	0.13	-0.34
MAR	4	53798	0.07691	0.38292	0.293602	-1.933	1.419	0.14	-0.41
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	0.13	-0.43
MAR	7	53801	0.08076	0.38328	0.290757	-1.380	0.529	0.10	-0.34
MAR	8	53802	0.08125	0.38279	0.290311	-0.835	0.395	0.13	-0.36
MAR	9	53803	0.08113	0.38238	0.289935	-0.276	0.359	0.22	-0.44
MAR	10	53804	0.08061	0.38225	0.289569	0.217	0.371	0.28	-0.42
MAR	11	53805	0.08044	0.38234	0.289177	0.580	0.441	0.26	-0.26
MAR	12	53806	0.08068	0.38225	0.288679	0.778	0.592	0.19	-0.12
MAR	13	53807	0.08134	0.38153	0.287994	0.799	0.785	0.14	-0.18
MAR	14	53808	0.08236	0.38071	0.287121	0.661	0.946	0.10	-0.38
MAR	15	53809	0.08362	0.38011	0.286120	0.408	1.038	0.09	-0.57
MAR	16	53810	0.08556	0.37949	0.285067	0.103	1.058	0.09	-0.59
MAR	17	53811	0.08802	0.37910	0.284030	-0.182	0.986	0.12	-0.50
MAR	18	53812	0.08990	0.37889	0.283118	-0.378	0.913	0.15	-0.41
MAR	19	53813	0.09130	0.37853	0.282219	-0.426	0.824	0.16	-0.36
MAR	20	53814	0.09275	0.37814	0.281476	-0.294	0.665	0.17	-0.30
MAR	21	53815	0.09392	0.37784	0.280883	0.020	0.538	0.17	-0.24
MAR	22	53816	0.09512	0.37772	0.280381	0.476	0.474	0.15	-0.23
MAR	23	53817	0.09625	0.37750	0.279900	0.993	0.502	0.16	-0.31
MAR	24	53818	0.09731	0.37706	0.279332	1.450	0.661	0.23	-0.35
MAR	25	53819	0.09805	0.37678	0.278534	1.713	0.982	0.00	0.00
MAR	26	53820	0.09864	0.37664	0.277339	1.670	1.364	0.00	0.00
MAR	27	53821	0.09926	0.37642	0.275807	1.278	1.700	0.00	0.00
MAR	28	53822	0.09997	0.37597	0.273973	0.591	1.967	0.00	0.00
MAR	29	53823	0.10082	0.37551	0.271934	-0.248	2.087	0.00	0.00

MAR 30 53824 0.10146 0.37507 0.269865 -1.049 1.976 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 s	dx 0.001"	dy 0.001"	x 0.001"	y 0.0001s	UT1 0.0001s	dx 0.001"	dy 0.001"				
FEB 3	53769	0.05024	0.38418	0.321173	0.058	- .372	0.01	0.01	0.01	0.03	0.03				
FEB 8	53774	0.05153	0.38432	0.316779	0.292	- .416	0.02	0.02	0.02	0.02	0.02				
FEB 13	53779	0.05736	0.38409	0.314231	0.246	- .248	0.02	0.02	0.02	0.02	0.02				
FEB 18	53784	0.06423	0.38454	0.309138	0.287	- .571	0.01	0.01	0.02	0.04	0.04				
FEB 23	53789	0.06770	0.38383	0.305420	0.064	- .546	0.02	0.02	0.02	0.02	0.02				
FEB 28	53794	0.07206	0.38293	0.300890	0.130	- .288	0.01	0.01	0.02	0.02	0.02				
MAR 5	53799	0.07874	0.38331	0.292339	0.162	- .492	0.01	0.01	0.01	0.01	0.01				
MAR 10	53804	0.08061	0.38223	0.289569	0.297	- .434	0.01	0.01	0.01	0.03	0.03				
MAR 15	53809	0.08362	0.38012	0.286119	0.082	- .567	0.01	0.01	0.02	0.02	0.03				
MAR 20	53814	0.09274	0.37813	0.281474	0.170	- .301	0.01	0.01	0.02	0.04	0.04				
MAR 25	53819	0.09806	0.37679	0.278534	-	-	0.01	0.02	0.01	-	-				
MAR 30	53824	0.10146	0.37506	0.269864	-	-	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) 2006	MJD	DR s	OmegaR (microrad/s)
FEB 3	53769	0.00086	72.921 15074
FEB 8	53774	0.00092	15069
FEB 13	53779	0.00091	15070
FEB 18	53784	0.00086	15074
FEB 23	53789	0.00086	15074
FEB 28	53794	0.00107	15056
MAR 5	53799	0.00117	15048

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 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
<b>VLBI</b>								
EOP(AUS) 1 R 1 53769.27 to 53818.27	0.07 0.12	0.08 0.14	0.04 0.07	- -	- -	- -	15	
EOP(BKG) 3 R 4 53769.27 to 53815.21	0.08 0.10	0.08 0.16	0.07 0.06	- -	- -	- -	15	
EOP(BKG) 3 R 2 53769.80 to 53823.79	- -	- -	0.11 0.10	- -	- -	- -	50	
EOP(USNO) 5 R 1 53769.80 to 53823.79	- -	- -	0.12 0.11	- -	- -	- -	54	
EOP(GSFC) 4 R 2 53769.27 to 53811.27	0.10 0.10	0.10 0.14	0.07 0.06	- -	- -	- -	13	
EOP(GSFC) 4 R 1 53769.80 to 53819.33	- -	- -	0.13 0.09	- -	- -	- -	47	
EOP(IAA) 5 R 2 53769.27 to 53818.27	0.07 0.09	0.08 0.11	0.04 0.08	- -	0.12 0.08	0.05 0.06	15	
EOP(IAA) 5 R 1 53769.80 to 53820.33	- -	- -	0.11 0.08	- -	- -	- -	48	
EOP(SPBU) 3 R 3 53769.27 to 53811.27	0.23 0.19	0.32 0.19	0.16 0.09	- -	- -	- -	12	
EOP(SPBU) 2 R 1 53769.80 to 53816.79	- -	- -	0.12 0.11	- -	- -	- -	44	
EOP(MAO) 3 R 1 53769.29 to 53811.34	0.07 0.08	0.09 0.13	0.04 0.05	- -	0.14 0.19	0.06 0.06	12	
EOP(USNO) 6 R 1 53769.27 to 53818.27	0.08 0.08	0.08 0.13	0.03 0.09	- -	- -	- -	15	
EOP(IVS) 0 R 1 53769.00 to 53811.00	0.04 0.15	0.04 0.30	0.02 0.04	- -	- -	- -	13	
<b>GPS</b>								
EOP(CODE) 98 P 1 53769.50 to 53823.50	0.01 0.05	0.01 0.05	- -	0.07 0.22	- -	- -	55	
EOP(EMR) 96 P 3 53769.50 to 53823.50	0.03 0.09	0.03 0.08	- -	0.04 0.48	- -	- -	55	
EOP(ESOC) 96 P 1 53769.50 to 53823.50	0.01 0.06	0.01 0.05	- -	0.04 0.68	- -	- -	55	
EOP(GFZ) 96 P 2 53769.50 to 53823.50	0.01 0.05	0.01 0.10	- -	0.03 0.29	- -	- -	55	
EOP(IAA) 1 P 1 53769.50 to 53823.50	0.03 0.14	0.03 0.23	- -	0.06 0.54	- -	- -	55	
EOP(JPL) 96 P 3 53769.50 to 53819.50	0.02 0.05	0.02 0.04	- -	0.14 0.30	- -	- -	51	
EOP(NOAA) 96 P 1 53769.50 to 53814.50	0.00 0.09	0.00 0.10	- -	0.02 0.24	- -	- -	46	
EOP(SIO) 96 P 1 53769.50 to 53823.50	0.03 0.16	0.04 0.21	- -	0.06 0.40	- -	- -	55	
EOP(IGS F) 95 P 2 53769.50 to 53812.50	0.02 0.03	0.02 0.08	0.06 0.16	0.05 0.12	- -	- -	44	
EOP(IGS R) 96 P 2 53769.50 to 53823.50	0.05 0.06	0.04 0.05	0.17 0.53	0.07 0.19	- -	- -	55	
EOP(IERS) 97 P 1 53769.50 to 53823.50	0.03 0.03	0.03 0.03	0.17 0.27	0.12 0.20	- -	- -	55	
<b>SLR</b>								
EOP(ASI) 3 L 2 53769.50 to 53822.50	0.08 0.22	0.08 0.25	- -	0.19 0.74	- -	- -	54	
EOP(DUT) 98 L 1	0.10	0.11	-	-	-	-	12	

53799.00 to 53824.00	0.47	0.56	-	-	-	-	
EOP(IAA) 2 L 1	0.04	0.04	0.02	0.02	-	-	56
53769.00 to 53824.00	0.16	0.18	0.20	0.14	-	-	
EOP(MCC) 97 L 1	0.16	0.17	-	0.10	-	-	21
53769.00 to 53789.00	0.16	0.24	-	0.25	-	-	
EOP(ILRS) 5 L 1	0.07	0.07	-	0.14	-	-	51
53769.50 to 53819.50	0.16	0.22	-	0.58	-	-	
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EOP(NEOS) 97 C 1	0.04	0.06	0.06	-	-	-	56
53769.00 to 53824.00	0.08	0.12	0.11	-	-	-	