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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:

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

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.

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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.

JAN	4	53739	0.05018	0.38244	0.336786	-32.663214	0.28	-0.34
JAN	9	53744	0.04951	0.38131	0.335326	-32.664674	0.21	-0.11
JAN	14	53749	0.04867	0.38002	0.333778	-32.666222	0.08	-0.31
JAN	19	53754	0.05072	0.38074	0.332318	-32.667682	0.15	-0.24
JAN	24	53759	0.05030	0.38024	0.330221	-32.669778	0.18	-0.25
JAN	29	53764	0.05115	0.38135	0.326324	-32.673676	0.33	-0.03
FEB	3	53769	0.05025	0.38417	0.322391	-32.677609	0.06	-0.31

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

FEB	8	53774	0.05143	0.38430	0.317919	-32.682081	0.29	-0.42
FEB	13	53779	0.05737	0.38409	0.313308	-32.686692	0.22	-0.23
FEB	18	53784	0.06422	0.38455	0.309233	-32.690767	0.00	0.00
FEB	23	53789	0.06764	0.38381	0.304745	-32.695255	0.00	0.00
FEB	28	53794	0.07203	0.38294	0.300045	-32.699955	0.00	0.00
MAR	5	53799	0.07388	0.38179	0.295151	-32.704849	0.00	0.00
MAR	10	53804	0.07487	0.38039	0.290611	-32.709389	0.00	0.00
MAR	15	53809	0.07519	0.37913	0.285919	-32.714081	0.00	0.00
MAR	20	53814	0.07536	0.37793	0.281105	-32.718895	0.00	0.00
MAR	25	53819	0.07545	0.37680	0.276222	-32.723778	0.00	0.00
MAR	30	53824	0.07554	0.37571	0.271324	-32.728676	0.00	0.00
APR	4	53829	0.07565	0.37465	0.266449	-32.733551	0.00	0.00
APR	9	53834	0.07580	0.37362	0.261665	-32.738335	0.00	0.00
APR	14	53839	0.07601	0.37261	0.257027	-32.742973	0.00	0.00
APR	19	53844	0.07624	0.37160	0.252579	-32.747421	0.00	0.00
APR	24	53849	0.07651	0.37059	0.248375	-32.751625	0.00	0.00

APR 29 53854 0.07680 0.36957 0.244469 -32.755531 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"
JAN 4	53739	0.05018	0.38244	0.337397	0.611	0.814	0.28	-0.34
JAN 5	53740	0.04961	0.38208	0.336521	-0.026	0.936	0.29	-0.18
JAN 6	53741	0.04950	0.38178	0.335577	-0.719	0.944	0.27	-0.04
JAN 7	53742	0.04957	0.38166	0.334679	-1.320	0.828	0.23	0.00
JAN 8	53743	0.04951	0.38160	0.333951	-1.716	0.606	0.21	-0.04
JAN 9	53744	0.04951	0.38131	0.333476	-1.850	0.334	0.21	-0.11
JAN 10	53745	0.04958	0.38117	0.333275	-1.717	0.073	0.21	-0.22
JAN 11	53746	0.04927	0.38105	0.333310	-1.364	-0.130	0.17	-0.34
JAN 12	53747	0.04876	0.38071	0.333506	-0.863	-0.244	0.09	-0.39
JAN 13	53748	0.04854	0.38036	0.333768	-0.303	-0.264	0.05	-0.34
JAN 14	53749	0.04867	0.38002	0.334007	0.229	-0.181	0.08	-0.31
JAN 15	53750	0.04921	0.37977	0.334111	0.660	-0.051	0.15	-0.37
JAN 16	53751	0.04995	0.37969	0.334096	0.939	0.077	0.20	-0.48
JAN 17	53752	0.05041	0.37997	0.333954	1.045	0.233	0.20	-0.50
JAN 18	53753	0.05063	0.38041	0.333636	0.983	0.433	0.18	-0.38
JAN 19	53754	0.05072	0.38074	0.333102	0.785	0.562	0.15	-0.24
JAN 20	53755	0.05049	0.38098	0.332530	0.501	0.630	0.12	-0.23
JAN 21	53756	0.05023	0.38121	0.331863	0.193	0.686	0.11	-0.34
JAN 22	53757	0.05017	0.38126	0.331180	-0.073	0.672	0.15	-0.40
JAN 23	53758	0.05024	0.38072	0.330540	-0.235	0.607	0.20	-0.32
JAN 24	53759	0.05030	0.38024	0.329981	-0.241	0.517	0.18	-0.25
JAN 25	53760	0.05021	0.38035	0.329509	-0.061	0.432	0.10	-0.33
JAN 26	53761	0.05013	0.38057	0.329102	0.290	0.382	0.09	-0.48
JAN 27	53762	0.05032	0.38071	0.328710	0.737	0.386	0.21	-0.45
JAN 28	53763	0.05071	0.38098	0.328281	1.156	0.470	0.34	-0.19
JAN 29	53764	0.05115	0.38135	0.327721	1.398	0.684	0.33	-0.03
JAN 30	53765	0.05149	0.38170	0.326885	1.343	1.001	0.22	-0.17
JAN 31	53766	0.05161	0.38229	0.325722	0.955	1.321	0.15	-0.42
FEB 1	53767	0.05135	0.38306	0.324281	0.297	1.527	0.14	-0.50
FEB 2	53768	0.05073	0.38370	0.322727	-0.486	1.583	0.12	-0.39
FEB 3	53769	0.05025	0.38417	0.321173	-1.218	1.507	0.06	-0.31
FEB 4	53770	0.05014	0.38453	0.319754	-1.748	1.274	0.04	-0.34
FEB 5	53771	0.05041	0.38458	0.318641	-1.990	0.965	0.07	-0.37
FEB 6	53772	0.05097	0.38443	0.317817	-1.932	0.700	0.14	-0.33
FEB 7	53773	0.05129	0.38443	0.317219	-1.622	0.504	0.22	-0.32
FEB 8	53774	0.05143	0.38430	0.316780	-1.139	0.374	0.29	-0.42
FEB 9	53775	0.05269	0.38423	0.316439	-0.576	0.341	0.33	-0.52
FEB 10	53776	0.05388	0.38442	0.316070	-0.023	0.410	0.32	-0.48
FEB 11	53777	0.05505	0.38454	0.315596	0.445	0.516	0.28	-0.32
FEB 12	53778	0.05636	0.38440	0.315024	0.770	0.679	0.24	-0.20
FEB 13	53779	0.05737	0.38409	0.314232	0.924	0.847	0.22	-0.23
FEB 14	53780	0.05819	0.38384	0.313334	0.904	0.940	0.20	-0.34
FEB 15	53781	0.05901	0.38363	0.312366	0.736	0.999	0.22	-0.43
FEB 16	53782	0.06039	0.38358	0.311355	0.470	1.067	0.25	-0.44
FEB 17	53783	0.06210	0.38396	0.310255	0.170	1.120	0.25	-0.43
FEB 18	53784	0.06422	0.38455	0.309139	-0.095	1.083	0.00	0.00
FEB 19	53785	0.06588	0.38490	0.308109	-0.261	1.006	0.00	0.00
FEB 20	53786	0.06688	0.38481	0.307140	-0.279	0.878	0.00	0.00
FEB 21	53787	0.06738	0.38459	0.306359	-0.117	0.661	0.00	0.00
FEB 22	53788	0.06748	0.38425	0.305810	0.219	0.454	0.00	0.00
FEB 23	53789	0.06764	0.38381	0.305425	0.680	0.358	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"		
JAN 4	53739	0.05017	0.38245	0.337399	0.269	-.405	0.01	0.01	0.02	0.02	0.02
JAN 9	53744	0.04952	0.38133	0.333483	0.213	-.108	0.01	0.01	0.02	0.03	0.03
JAN 14	53749	0.04867	0.38003	0.334007	0.147	-.306	0.01	0.02	0.01	0.03	0.03
JAN 19	53754	0.05072	0.38074	0.333113	0.169	-.227	0.02	0.02	0.02	0.02	0.02
JAN 24	53759	0.05031	0.38025	0.329982	0.173	-.272	0.01	0.01	0.03	0.03	0.03
JAN 29	53764	0.05115	0.38135	0.327723	0.330	0.005	0.01	0.01	0.01	0.02	0.02
FEB 3	53769	0.05025	0.38418	0.321174	0.070	-.372	0.01	0.01	0.01	0.03	0.03
FEB 8	53774	0.05141	0.38432	0.316780	0.300	-.416	0.02	0.02	0.02	0.02	0.02
FEB 13	53779	0.05736	0.38408	0.314232	0.210	-.228	0.02	0.01	0.02	0.02	0.02
FEB 18	53784	0.06423	0.38455	0.309141	-	-	0.01	0.01	0.02	-	-
FEB 23	53789	0.06764	0.38381	0.305425	-	-	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)		
JAN 4	53739	0.00026	72.921	15125
JAN 9	53744	0.00034		15118
JAN 14	53749	0.00032		15120
JAN 19	53754	0.00032		15120
JAN 24	53759	0.00061		15095
JAN 29	53764	0.00080		15079
FEB 3	53769	0.00086		15074

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		Mean formal uncertainty						
Periods covered		Weighted RMS agreement with Bulletin B						
		x	y	UT	D	dX	dY	Data Number
VLBI								
EOP(AUS)	1 R 1	0.09	0.09	0.04	-	-	-	14
	53739.21 to 53783.27	0.12	0.12	0.07	-	-	-	

EOP(BKG) 3 R 4	0.09	0.08	0.04	-	-	-	14
53739.21 to 53783.27	0.14	0.22	0.12	-	-	-	
EOP(BKG) 3 R 2	-	-	0.12	-	-	-	41
53739.79 to 53788.79	-	-	0.09	-	-	-	
EOP(USNO) 5 R 1	-	-	0.12	-	-	-	44
53739.79 to 53788.79	-	-	0.12	-	-	-	
EOP(GSFC) 4 R 2	0.12	0.07	0.07	-	-	-	15
53739.21 to 53783.27	0.08	0.15	0.04	-	-	-	
EOP(GSFC) 4 R 1	-	-	0.13	-	-	-	41
53739.79 to 53788.79	-	-	0.15	-	-	-	
EOP(IAA) 5 R 2	0.08	0.07	0.04	-	0.13	0.05	14
53739.21 to 53783.27	0.08	0.12	0.12	-	0.14	0.07	
EOP(IAA) 5 R 1	-	-	0.12	-	-	-	41
53739.79 to 53788.79	-	-	0.09	-	-	-	
EOP(SPBU) 3 R 3	0.25	0.30	0.17	-	-	-	13
53740.27 to 53783.27	0.14	0.16	0.07	-	-	-	
EOP(SPBU) 2 R 1	-	-	0.13	-	-	-	40
53739.79 to 53788.79	-	-	0.19	-	-	-	
EOP(MAO) 3 R 1	0.09	0.09	0.05	-	0.16	0.06	13
53739.23 to 53783.26	0.10	0.20	0.15	-	0.18	0.09	
EOP(USNO) 5 R 2	0.09	0.08	0.04	-	-	-	14
53739.21 to 53783.27	0.09	0.15	0.11	-	-	-	
EOP(IVS) 0 R 1	0.04	0.04	0.02	-	-	-	12
53739.00 to 53776.00	0.17	0.33	0.05	-	-	-	
GPS							
EOP(CODE) 98 P 1	0.01	0.01	-	0.07	-	-	50
53739.50 to 53788.50	0.05	0.06	-	0.26	-	-	
EOP(EMR) 96 P 3	0.03	0.03	-	0.04	-	-	50
53739.50 to 53788.50	0.10	0.07	-	0.58	-	-	
EOP(ESOC) 96 P 1	0.01	0.01	-	0.04	-	-	50
53739.50 to 53788.50	0.06	0.07	-	0.62	-	-	
EOP(GFZ) 96 P 2	0.01	0.01	-	0.02	-	-	50
53739.50 to 53788.50	0.06	0.05	-	0.28	-	-	
EOP(IAA) 1 P 1	0.03	0.03	-	0.06	-	-	50
53739.50 to 53788.50	0.15	0.29	-	0.37	-	-	
EOP(JPL) 96 P 3	0.02	0.02	-	0.12	-	-	46
53739.50 to 53784.50	0.05	0.09	-	0.40	-	-	
EOP(NOAA) 96 P 1	0.00	0.00	-	0.02	-	-	49
53739.50 to 53787.50	0.10	0.13	-	0.29	-	-	
EOP(SIO) 96 P 1	0.04	0.04	-	0.11	-	-	25
53739.50 to 53763.50	0.05	0.09	-	0.33	-	-	
EOP(IGS F)95 P 2	0.02	0.02	0.07	0.06	-	-	39
53739.50 to 53777.50	0.02	0.09	0.19	0.23	-	-	
EOP(IGS R)96 P 2	0.05	0.04	0.17	0.07	-	-	50
53739.50 to 53788.50	0.05	0.06	0.53	0.21	-	-	
EOP(IERS) 97 P 1	0.03	0.03	0.17	0.12	-	-	50
53739.50 to 53788.50	0.02	0.03	0.30	0.26	-	-	
SLR							
EOP(ASI) 3 L 2	0.07	0.08	-	0.19	-	-	50
53739.50 to 53788.50	0.22	0.22	-	0.55	-	-	
EOP(IAA) 2 L 1	0.04	0.04	0.02	0.02	-	-	51
53739.00 to 53789.00	0.19	0.14	0.27	0.17	-	-	
EOP(MCC) 97 L 1	0.15	0.17	-	0.10	-	-	51
53739.00 to 53789.00	0.16	0.20	-	0.26	-	-	
EOP(ILRS) 5 L 1	0.58	0.60	-	1.13	-	-	50

53739.50 to 53788.50	0.18	0.14	-	0.61	-	-	
Bulletin A							
EOP(NEOS) 97 C 1	0.04	0.06	0.06	-	-	-	51
53739.00 to 53789.00	0.05	0.11	0.13	-	-	-	