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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.

NOV	5	54044	-0.00581	0.27658	0.100553	-32.899447	0.29	0.16
NOV	10	54049	-0.01239	0.28299	0.094691	-32.905309	0.21	-0.09
NOV	15	54054	-0.01771	0.28726	0.089164	-32.910836	0.17	0.08
NOV	20	54059	-0.02420	0.29131	0.084307	-32.915693	0.10	-0.06
NOV	25	54064	-0.03123	0.29732	0.078902	-32.921098	0.25	-0.29
NOV	30	54069	-0.03742	0.30292	0.073479	-32.926521	0.16	0.11
DEC	5	54074	-0.03880	0.31017	0.067907	-32.932093	0.16	-0.01

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

DEC	10	54079	-0.04335	0.31858	0.061927	-32.938073	0.23	-0.16
DEC	15	54084	-0.04786	0.32491	0.056244	-32.943756	0.45	-0.15
DEC	20	54089	-0.05109	0.33192	0.050987	-32.949013	0.00	0.00
DEC	25	54094	-0.05125	0.33659	0.045954	-32.954046	0.00	0.00
DEC	30	54099	-0.04911	0.34509	0.040944	-32.959056	0.00	0.00
JAN	4	54104	-0.05064	0.35135	0.035595	-32.964405	0.00	0.00
JAN	9	54109	-0.04997	0.35947	0.031109	-32.968891	0.00	0.00
JAN	14	54114	-0.04755	0.36802	0.027187	-32.972813	0.00	0.00
JAN	19	54119	-0.04386	0.37664	0.023663	-32.976337	0.00	0.00
JAN	24	54124	-0.03925	0.38524	0.020382	-32.979618	0.00	0.00
JAN	29	54129	-0.03389	0.39374	0.017254	-32.982746	0.00	0.00
FEB	3	54134	-0.02789	0.40206	0.014164	-32.985836	0.00	0.00
FEB	8	54139	-0.02132	0.41014	0.011051	-32.988949	0.00	0.00
FEB	13	54144	-0.01421	0.41791	0.007847	-32.992153	0.00	0.00
FEB	18	54149	-0.00662	0.42532	0.004497	-32.995503	0.00	0.00
FEB	23	54154	0.00141	0.43231	0.000957	-32.999043	0.00	0.00

FEB 28 54159 0.00986 0.43883 -0.002796 -33.002796 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 2005 IERS Annual Report.

2006	MJD	x	y	UT1-UTC	UT1-UT1R	D	dX	dY
(0 h UTC)	"	"	"	s	ms	ms	0.001"	0.001"
NOV 5	54044	-0.00581	0.27658	0.099136	-1.417	1.611	0.29	0.16
NOV 6	54045	-0.00654	0.27753	0.097710	-1.641	1.243	0.20	0.18
NOV 7	54046	-0.00737	0.27909	0.096637	-1.536	0.921	0.15	-0.03
NOV 8	54047	-0.00883	0.28085	0.095832	-1.178	0.712	0.21	-0.26
NOV 9	54048	-0.01066	0.28210	0.095168	-0.694	0.657	0.26	-0.27
NOV 10	54049	-0.01239	0.28299	0.094479	-0.212	0.698	0.21	-0.09
NOV 11	54050	-0.01384	0.28373	0.093746	0.168	0.826	0.12	0.04
NOV 12	54051	-0.01482	0.28456	0.092816	0.391	1.002	0.09	0.02
NOV 13	54052	-0.01575	0.28554	0.091743	0.444	1.135	0.12	-0.03
NOV 14	54053	-0.01680	0.28649	0.090555	0.343	1.235	0.16	0.00
NOV 15	54054	-0.01771	0.28726	0.089288	0.124	1.246	0.17	0.08
NOV 16	54055	-0.01857	0.28808	0.088082	-0.158	1.234	0.15	0.06
NOV 17	54056	-0.01973	0.28912	0.086843	-0.441	1.224	0.14	-0.08
NOV 18	54057	-0.02124	0.29009	0.085656	-0.660	1.142	0.10	-0.21
NOV 19	54058	-0.02269	0.29077	0.084575	-0.756	1.025	0.08	-0.19
NOV 20	54059	-0.02420	0.29131	0.083616	-0.691	0.898	0.10	-0.06
NOV 21	54060	-0.02571	0.29195	0.082778	-0.449	0.768	0.17	0.04
NOV 22	54061	-0.02681	0.29291	0.082068	-0.048	0.647	0.24	0.00
NOV 23	54062	-0.02810	0.29432	0.081460	0.458	0.557	0.25	-0.15
NOV 24	54063	-0.02963	0.29583	0.080921	0.982	0.550	0.24	-0.27
NOV 25	54064	-0.03123	0.29732	0.080324	1.422	0.688	0.25	-0.29
NOV 26	54065	-0.03288	0.29883	0.079514	1.674	0.945	0.29	-0.20
NOV 27	54066	-0.03449	0.30020	0.078416	1.665	1.245	0.30	-0.04
NOV 28	54067	-0.03578	0.30118	0.077026	1.370	1.524	0.27	0.10
NOV 29	54068	-0.03665	0.30192	0.075391	0.825	1.729	0.20	0.16
NOV 30	54069	-0.03742	0.30292	0.073609	0.130	1.817	0.16	0.11
DEC 1	54070	-0.03817	0.30388	0.071808	-0.573	1.768	0.15	0.00
DEC 2	54071	-0.03851	0.30490	0.070121	-1.132	1.544	0.16	-0.02
DEC 3	54072	-0.03859	0.30648	0.068750	-1.432	1.238	0.15	0.03
DEC 4	54073	-0.03866	0.30835	0.067646	-1.428	0.987	0.13	0.07
DEC 5	54074	-0.03880	0.31017	0.066752	-1.155	0.805	0.16	-0.01
DEC 6	54075	-0.03929	0.31200	0.065998	-0.715	0.706	0.33	-0.19
DEC 7	54076	-0.04025	0.31398	0.065298	-0.235	0.723	0.45	-0.35
DEC 8	54077	-0.04147	0.31590	0.064519	0.171	0.863	0.39	-0.29
DEC 9	54078	-0.04251	0.31744	0.063556	0.430	1.039	0.30	-0.23
DEC 10	54079	-0.04335	0.31858	0.062440	0.513	1.210	0.23	-0.16
DEC 11	54080	-0.04417	0.31950	0.061144	0.432	1.359	0.30	-0.22
DEC 12	54081	-0.04483	0.32052	0.059737	0.225	1.433	0.40	-0.12
DEC 13	54082	-0.04557	0.32197	0.058297	-0.057	1.427	0.48	-0.04
DEC 14	54083	-0.04661	0.32354	0.056904	-0.352	1.335	0.50	-0.06
DEC 15	54084	-0.04786	0.32491	0.055647	-0.596	1.247	0.45	-0.15
DEC 16	54085	-0.04890	0.32626	0.054427	-0.734	1.131	0.00	0.00
DEC 17	54086	-0.04958	0.32771	0.053397	-0.721	0.933	0.00	0.00
DEC 18	54087	-0.05009	0.32923	0.052565	-0.537	0.756	0.00	0.00
DEC 19	54088	-0.05050	0.33068	0.051863	-0.188	0.627	0.00	0.00
DEC 20	54089	-0.05109	0.33192	0.051269	0.282	0.543	0.00	0.00
DEC 21	54090	-0.05194	0.33282	0.050742	0.796	0.529	0.00	0.00
DEC 22	54091	-0.05257	0.33332	0.050183	1.249	0.626	0.00	0.00
DEC 23	54092	-0.05257	0.33389	0.049464	1.531	0.826	0.00	0.00
DEC 24	54093	-0.05201	0.33498	0.048494	1.560	1.082	0.00	0.00
DEC 25	54094	-0.05125	0.33659	0.047258	1.304	1.354	0.00	0.00
DEC 26	54095	-0.05073	0.33834	0.045800	0.801	1.523	0.00	0.00
DEC 27	54096	-0.05044	0.34010	0.044186	0.146	1.629	0.00	0.00
DEC 28	54097	-0.05006	0.34187	0.042527	-0.525	1.614	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"		
NOV 5	54044	-0.00575	0.27659	0.099138	0.310	0.127	0.02	0.02	0.01	0.02	0.02
NOV 10	54049	-0.01238	0.28297	0.094477	0.059	0.129	0.03	0.03	0.02	0.04	0.03
NOV 15	54054	-0.01770	0.28725	0.089294	0.179	0.062	0.02	0.02	0.01	0.02	0.02
NOV 20	54059	-0.02418	0.29132	0.083615	0.122	-0.066	0.01	0.01	0.01	0.02	0.02
NOV 25	54064	-0.03123	0.29731	0.080323	-	-	0.02	0.02	0.02	-	-
NOV 30	54069	-0.03743	0.30291	0.073607	0.180	-0.044	0.02	0.02	0.01	0.02	0.02
DEC 5	54074	-0.03880	0.31017	0.066749	0.121	0.069	0.01	0.01	0.01	0.03	0.03
DEC 10	54079	-0.04335	0.31859	0.062440	0.479	-0.108	0.02	0.02	0.02	0.35	0.47
DEC 15	54084	-0.04786	0.32491	0.055647	0.542	-0.205	0.02	0.02	0.02	0.08	0.09
DEC 20	54089	-0.05109	0.33193	0.051282	-	-	0.01	0.02	0.03	-	-
DEC 25	54094	-0.05125	0.33659	-	-	-	0.01	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)		
NOV 5	54044	0.00122	72.921	15043
NOV 10	54049	0.00115		15050
NOV 15	54054	0.00099		15063
NOV 20	54059	0.00106		15057
NOV 25	54064	0.00105		15058
NOV 30	54069	0.00110		15054
DEC 5	54074	0.00119		15047

5 - INFORMATION ON TIME SCALES

No leap second was introduced in UTC on 31 December 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	0.08	0.12	0.03	-	-	-	10

54046.21 to 54077.29		0.18	0.10	0.06	-	-	-	
EOP(BKG) 3 R 4		0.11	0.08	0.09	-	-	-	10
54046.21 to 54077.29		0.11	0.08	0.04	-	-	-	
EOP(BKG) 3 R 2		-	-	0.07	-	-	-	39
54044.33 to 54086.33		-	-	0.10	-	-	-	
EOP(USNO) 5 R 1		-	-	0.09	-	-	-	43
54044.33 to 54087.79		-	-	0.08	-	-	-	
EOP(GSFC) 6 R 1		-	-	0.08	-	-	-	40
54044.33 to 54087.79		-	-	0.11	-	-	-	
EOP(IAA) 5 R 2		0.05	0.07	0.03	-	0.04	0.04	11
54046.21 to 54084.27		0.14	0.16	0.11	-	0.14	0.12	
EOP(IAA) 5 R 1		-	-	0.08	-	-	-	40
54044.33 to 54087.79		-	-	0.20	-	-	-	
EOP(SPBU) 3 R 3		0.28	0.34	0.19	-	-	-	9
54046.21 to 54084.27		0.20	0.25	0.12	-	-	-	
EOP(SPBU) 2 R 1		-	-	0.08	-	-	-	39
54044.33 to 54086.33		-	-	0.12	-	-	-	
EOP(MAO) 3 R 1		0.07	0.08	0.03	-	0.05	0.05	10
54046.23 to 54074.23		0.21	0.15	0.14	-	0.08	0.13	
EOP(GSFC) 6 R 1		0.11	0.09	0.07	-	-	-	13
54046.21 to 54084.27		0.14	0.12	0.18	-	-	-	
EOP(USNO) 6 R 2		0.06	0.07	0.02	-	-	-	10
54046.21 to 54084.27		0.12	0.09	0.04	-	-	-	
EOP(IVS) 0 R 1		0.05	0.05	0.02	-	-	-	9
54046.00 to 54074.00		0.10	0.14	0.06	-	-	-	
GPS								
EOP(CODE) 98 P 1		0.01	0.01	-	0.06	-	-	53
54044.50 to 54096.50		0.06	0.05	-	0.16	-	-	
EOP(EMR) 96 P 3		0.03	0.03	-	0.04	-	-	53
54044.50 to 54096.50		0.04	0.09	-	0.30	-	-	
EOP(ESOC) 96 P 1		0.01	0.01	-	0.04	-	-	53
54044.50 to 54096.50		0.10	0.08	-	0.41	-	-	
EOP(GFZ) 96 P 2		0.01	0.01	-	0.02	-	-	53
54044.50 to 54096.50		0.04	0.15	-	0.17	-	-	
EOP(IAA) 1 P 1		0.03	0.03	-	0.07	-	-	53
54044.50 to 54096.50		0.15	0.57	-	0.32	-	-	
EOP(JPL) 96 P 3		0.02	0.02	-	0.11	-	-	49
54044.50 to 54092.50		0.05	0.04	-	0.23	-	-	
EOP(NOAA) 96 P 1		0.01	0.01	-	0.01	-	-	45
54044.50 to 54088.50		0.18	0.08	-	0.30	-	-	
EOP(SIO) 96 P 1		0.04	0.05	-	0.10	-	-	53
54044.50 to 54096.50		0.10	0.32	-	0.22	-	-	
EOP(IGS F) 95 P 2		0.02	0.02	0.08	0.04	-	-	42
54044.50 to 54085.50		0.04	0.08	0.10	0.17	-	-	
EOP(IGS R) 96 P 2		0.03	0.04	0.15	0.05	-	-	53
54044.50 to 54096.50		0.04	0.06	0.46	0.15	-	-	
EOP(IERS) 97 P 1		0.03	0.03	0.26	0.10	-	-	53
54044.50 to 54096.50		0.02	0.03	0.13	0.16	-	-	
SLR								
EOP(ASI) 3 L 2		0.06	0.06	-	0.16	-	-	53
54044.50 to 54096.50		0.20	0.18	-	0.45	-	-	
EOP(IAA) 2 L 1		0.03	0.03	0.02	0.02	-	-	54
54044.00 to 54097.00		0.12	0.12	0.37	0.14	-	-	
EOP(MCC) 97 L 1		0.13	0.15	-	0.10	-	-	47
54044.00 to 54090.00		0.28	0.13	-	1.31	-	-	

EOP(ILRS) 5 L 1	0.05	0.05	-	0.13	-	-	49
54044.50 to 54092.50	0.14	0.17	-	0.40	-	-	
Bulletin A							
EOP(NEOS) 97 C 1	0.04	0.05	0.07	-	-	-	54
54044.00 to 54097.00	0.07	0.07	0.31	-	-	-	