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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	MJD	x	y	UT1R-UTC	UT1R-TAI	dX	dY
2006/07		"	"	s	s	0.001"	0.001"
(0h UTC)							

Final Bulletin B values.

DEC 5	54074	-0.03880	0.31017	0.067907	-32.932093	0.16	-0.01
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	0.44	-0.14
DEC 20	54089	-0.05109	0.33195	0.050979	-32.949021	0.29	0.08
DEC 25	54094	-0.05128	0.33659	0.045945	-32.954055	0.13	-0.05
DEC 30	54099	-0.04947	0.34516	0.040980	-32.959020	0.12	-0.20
JAN 4	54104	-0.05290	0.35102	0.035693	-32.964307	0.00	0.00

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

JAN 9	54109	-0.05756	0.35877	0.030963	-32.969037	0.24	-0.16
JAN 14	54114	-0.05835	0.36786	0.025343	-32.974657	0.24	-0.13
JAN 19	54119	-0.05589	0.37698	0.018926	-32.981074	0.43	-0.15
JAN 24	54124	-0.05484	0.38671	0.012200	-32.987800	0.00	0.00
JAN 29	54129	-0.05187	0.39545	0.004815	-32.995185	0.00	0.00
FEB 3	54134	-0.04812	0.40431	-0.002544	-33.002544	0.00	0.00
FEB 8	54139	-0.04270	0.41248	-0.009441	-33.009441	0.00	0.00
FEB 13	54144	-0.03655	0.42035	-0.015789	-33.015789	0.00	0.00
FEB 18	54149	-0.02963	0.42789	-0.021725	-33.021725	0.00	0.00
FEB 23	54154	-0.02210	0.43504	-0.027378	-33.027378	0.00	0.00
FEB 28	54159	-0.01404	0.44174	-0.032871	-33.032871	0.00	0.00
MAR 5	54164	-0.00550	0.44795	-0.038288	-33.038288	0.00	0.00
MAR 10	54169	0.00344	0.45361	-0.043697	-33.043697	0.00	0.00
MAR 15	54174	0.01273	0.45868	-0.049152	-33.049152	0.00	0.00
MAR 20	54179	0.02230	0.46311	-0.054684	-33.054684	0.00	0.00
MAR 25	54184	0.03211	0.46686	-0.060307	-33.060307	0.00	0.00

MAR 30 54189 0.04209 0.46990 -0.066029 -33.066029 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.

2006/07	MJD	x	y	UT1-UTC	UT1-UT1R	D	dX	dY
(0 h UTC)	"	"	"	s	ms	ms	0.001"	0.001"
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	0.061155	0.432	1.356	0.07	-0.10
DEC 12	54081	-0.04483	0.32050	0.059746	0.225	1.439	0.16	0.00
DEC 13	54082	-0.04557	0.32196	0.058297	-0.057	1.432	0.32	0.04
DEC 14	54083	-0.04661	0.32354	0.056904	-0.352	1.335	0.43	-0.02
DEC 15	54084	-0.04786	0.32491	0.055647	-0.596	1.247	0.44	-0.14
DEC 16	54085	-0.04890	0.32626	0.054427	-0.734	1.131	0.00	0.00
DEC 17	54086	-0.04958	0.32770	0.053397	-0.721	0.932	0.00	0.00
DEC 18	54087	-0.05010	0.32923	0.052565	-0.537	0.756	0.00	0.00
DEC 19	54088	-0.05050	0.33070	0.051874	-0.188	0.642	0.26	0.05
DEC 20	54089	-0.05109	0.33195	0.051261	0.282	0.560	0.29	0.08
DEC 21	54090	-0.05193	0.33282	0.050723	0.796	0.519	0.37	-0.05
DEC 22	54091	-0.05254	0.33330	0.050184	1.249	0.609	0.34	-0.05
DEC 23	54092	-0.05254	0.33389	0.049470	1.531	0.834	0.25	-0.07
DEC 24	54093	-0.05202	0.33499	0.048497	1.560	1.111	0.17	-0.07
DEC 25	54094	-0.05128	0.33659	0.047249	1.304	1.371	0.13	-0.05
DEC 26	54095	-0.05072	0.33836	0.045768	0.801	1.554	0.16	-0.03
DEC 27	54096	-0.05044	0.34011	0.044175	0.146	1.623	0.16	-0.03
DEC 28	54097	-0.05024	0.34190	0.042571	-0.525	1.625	0.15	-0.06
DEC 29	54098	-0.04981	0.34366	0.041028	-1.074	1.505	0.13	-0.13
DEC 30	54099	-0.04947	0.34516	0.039587	-1.393	1.307	0.12	-0.20
DEC 31	54100	-0.04939	0.34614	0.038419	-1.430	1.005	0.10	-0.24
JAN 1	54101	-0.04943	0.34705	0.037563	-1.201	0.731	0.06	-0.36
JAN 2	54102	-0.04993	0.34830	0.036930	-0.785	0.565	0.02	-0.33
JAN 3	54103	-0.05118	0.34968	0.036392	-0.295	0.525	-0.01	-0.27
JAN 4	54104	-0.05290	0.35102	0.035844	0.151	0.567	0.00	0.00
JAN 5	54105	-0.05450	0.35243	0.035257	0.464	0.688	0.11	-0.29
JAN 6	54106	-0.05586	0.35392	0.034469	0.600	0.887	0.15	-0.36
JAN 7	54107	-0.05671	0.35532	0.033489	0.557	1.068	0.18	-0.37
JAN 8	54108	-0.05714	0.35686	0.032349	0.369	1.228	0.21	-0.29
JAN 9	54109	-0.05756	0.35877	0.031053	0.090	1.352	0.24	-0.16
JAN 10	54110	-0.05806	0.36093	0.029672	-0.216	1.362	0.40	-0.03
JAN 11	54111	-0.05896	0.36281	0.028350	-0.482	1.302	0.41	-0.05
JAN 12	54112	-0.05912	0.36443	0.027092	-0.653	1.273	0.36	-0.11
JAN 13	54113	-0.05867	0.36619	0.025823	-0.681	1.148	0.29	-0.16
JAN 14	54114	-0.05835	0.36786	0.024800	-0.544	0.995	0.24	-0.13
JAN 15	54115	-0.05797	0.36944	0.023828	-0.239	0.901	0.21	-0.07
JAN 16	54116	-0.05738	0.37114	0.022982	0.201	0.799	0.22	-0.08
JAN 17	54117	-0.05695	0.37293	0.022202	0.712	0.772	0.27	-0.13
JAN 18	54118	-0.05647	0.37473	0.021401	1.193	0.854	0.37	-0.16
JAN 19	54119	-0.05589	0.37698	0.020456	1.529	1.073	0.43	-0.15
JAN 20	54120	-0.05567	0.37946	0.019226	1.616	1.386	0.00	0.00
JAN 21	54121	-0.05559	0.38142	0.017678	1.397	1.697	0.00	0.00
JAN 22	54122	-0.05531	0.38310	0.015853	0.894	1.951	0.00	0.00
JAN 23	54123	-0.05504	0.38484	0.013818	0.204	2.115	0.00	0.00
JAN 24	54124	-0.05484	0.38671	0.011676	-0.523	2.123	0.00	0.00
JAN 25	54125	-0.05467	0.38861	0.009621	-1.133	1.959	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				
2006/07	MJD	x	y	UT1-UTC	dX	dY	x	y	UT1	dX	dY
(0 h UTC)		"	"	s	0.001"		0.001"	0.0001s	0.001"		
DEC 5	54074	-0.03880	0.31017	0.066749	0.093	-0.030	0.01	0.01	0.01	0.02	0.02
DEC 10	54079	-0.04335	0.31857	0.062444	0.184	-0.148	0.01	0.01	0.01	0.02	0.02
DEC 15	54084	-0.04786	0.32492	0.055648	0.542	-0.225	0.01	0.02	0.01	0.06	0.07
DEC 20	54089	-0.05109	0.33194	0.051258	0.284	-0.002	0.02	0.02	0.02	0.02	0.02
DEC 25	54094	-0.05129	0.33658	0.047252	-	-	0.02	0.02	0.04	-	-
DEC 30	54099	-0.04947	0.34515	0.039586	0.170	-0.310	0.02	0.02	0.02	0.03	0.03
JAN 4	54104	-0.05290	0.35102	0.035848	0.057	-0.032	0.01	0.01	0.02	0.03	0.03
JAN 9	54109	-0.05756	0.35877	0.031050	-	-	0.01	0.02	0.02	-	-
JAN 14	54114	-0.05835	0.36785	0.024804	0.243	-0.126	0.02	0.03	0.03	0.04	0.05
JAN 19	54119	-0.05589	0.37699	0.020456	0.540	-0.195	0.01	0.01	0.01	0.06	0.06
JAN 24	54124	-0.05484	0.38671	0.011677	-	-	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
2006/07 MJD	s	(microrad/s)
DEC 5 54074	0.00119	72.921 15047
DEC 10 54079	0.00121	15044
DEC 15 54084	0.00105	15058
DEC 20 54089	0.00107	15056
DEC 25 54094	0.00098	15064
DEC 30 54099	0.00113	15051
JAN 4 54104	0.00096	15065

5 - INFORMATION ON TIME SCALES

No leap second was introduced in UTC on 31 December 2006.
 No leap second will be introduced in UTC on 30 June 2007.
 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							Data Number
Periods covered	Weighted RMS agreement with Bulletin B							
	x	y	UT	D	dX	dY		
VLBI								
EOP(AUS) 1 R 1	0.10	0.13	0.04	-	-	-	12	
54074.21 to 54119.27	0.19	0.14	0.10	-	-	-		

EOP(BKG) 3 R 4	0.07	0.06	0.03	-	-	-	4
54077.29 to 54112.27	0.11	0.10	0.15	-	-	-	
EOP(BKG) 3 R 2	-	-	0.09	-	-	-	39
54074.79 to 54124.79	-	-	0.09	-	-	-	
EOP(USNO) 5 R 1	-	-	0.10	-	-	-	40
54074.79 to 54124.79	-	-	0.12	-	-	-	
EOP(GSFC) 6 R 1	-	-	0.10	-	-	-	39
54074.79 to 54124.79	-	-	0.11	-	-	-	
EOP(IAA) 5 R 2	0.08	0.08	0.03	-	0.05	0.05	11
54074.21 to 54119.27	0.11	0.14	0.09	-	0.09	0.10	
EOP(IAA) 5 R 1	-	-	0.09	-	-	-	39
54074.79 to 54124.79	-	-	0.17	-	-	-	
EOP(SPBU) 3 R 3	0.27	0.33	0.21	-	-	-	7
54074.21 to 54098.27	0.24	0.30	0.11	-	-	-	
EOP(SPBU) 2 R 1	-	-	0.11	-	-	-	39
54074.79 to 54124.79	-	-	0.11	-	-	-	
EOP(MAO) 3 R 1	0.11	0.10	0.05	-	0.07	0.07	10
54074.23 to 54112.28	0.14	0.13	0.09	-	0.19	0.12	
EOP(GSFC) 6 R 1	0.07	0.07	0.03	-	-	-	10
54074.21 to 54112.27	0.09	0.07	0.10	-	-	-	
EOP(USNO) 6 R 2	0.08	0.07	0.03	-	-	-	10
54074.21 to 54112.27	0.11	0.08	0.11	-	-	-	
EOP(IVS) 0 R 1	0.06	0.06	0.02	-	-	-	10
54074.00 to 54112.00	0.11	0.12	0.07	-	-	-	
GPS							
EOP(CODE) 98 P 1	0.01	0.01	-	0.06	-	-	51
54074.50 to 54124.50	0.06	0.05	-	0.17	-	-	
EOP(EMR) 96 P 3	0.03	0.03	-	0.04	-	-	51
54074.50 to 54124.50	0.05	0.07	-	0.39	-	-	
EOP(ESOC) 96 P 1	0.01	0.01	-	0.03	-	-	51
54074.50 to 54124.50	0.06	0.05	-	0.42	-	-	
EOP(GFZ) 96 P 2	0.01	0.01	-	0.02	-	-	51
54074.50 to 54124.50	0.04	0.12	-	0.22	-	-	
EOP(IAA) 1 P 1	0.03	0.03	-	0.06	-	-	51
54074.50 to 54124.50	0.15	0.57	-	0.30	-	-	
EOP(JPL) 96 P 3	0.02	0.02	-	0.11	-	-	47
54074.50 to 54120.50	0.04	0.04	-	0.32	-	-	
EOP(NOAA) 96 P 1	0.01	0.01	-	0.01	-	-	51
54074.50 to 54124.50	0.15	0.09	-	0.26	-	-	
EOP(SIO) 96 P 1	0.05	0.05	-	0.11	-	-	51
54074.50 to 54124.50	0.11	0.32	-	0.20	-	-	
EOP(IGS F)95 P 2	0.02	0.02	0.11	0.04	-	-	40
54074.50 to 54113.50	0.03	0.06	0.26	0.15	-	-	
EOP(IGS R)96 P 2	0.02	0.04	0.16	0.06	-	-	51
54074.50 to 54124.50	0.04	0.06	0.74	0.18	-	-	
EOP(IERS) 97 P 1	0.03	0.03	0.15	0.10	-	-	51
54074.50 to 54124.50	0.02	0.03	0.25	0.17	-	-	
SLR							
EOP(ASI) 3 L 2	0.08	0.07	-	0.18	-	-	51
54074.50 to 54124.50	0.17	0.22	-	0.43	-	-	
EOP(ILRS) 5 L 1	0.10	0.08	-	0.18	-	-	44
54074.50 to 54124.50	0.14	0.15	-	0.41	-	-	
EOP(IAA) 2 L 1	0.04	0.04	0.02	0.02	-	-	52
54074.00 to 54125.00	0.19	0.16	0.24	0.17	-	-	
EOP(MCC) 97 L 1	0.16	0.18	-	0.10	-	-	52

54074.00 to 54125.00	0.29	0.17	-	0.75	-	-	
EOP(ILRS) 5 L 1	0.10	0.08	-	0.18	-	-	44
54074.50 to 54124.50	0.14	0.15	-	0.41	-	-	
Bulletin A							
EOP(NEOS) 97 C 1	0.06	0.06	0.08	-	-	-	52
54074.00 to 54125.00	0.04	0.04	0.18	-	-	-	