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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 2007 (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	54104	-0.05290	0.35102	0.035693	-32.964307	0.00	0.00
JAN	9	54109	-0.05753	0.35875	0.030978	-32.969022	0.22	-0.35
JAN	14	54114	-0.05835	0.36786	0.025340	-32.974660	0.34	-0.27
JAN	19	54119	-0.05590	0.37696	0.018924	-32.981076	0.40	-0.17
JAN	24	54124	-0.05475	0.38672	0.012206	-32.987794	0.26	-0.22
JAN	29	54129	-0.05189	0.39549	0.004814	-32.995186	0.18	-0.53
FEB	3	54134	-0.04778	0.40280	-0.002566	-33.002566	0.15	-0.28

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

FEB	8	54139	-0.03854	0.41238	-0.009635	-33.009635	0.15	-0.11
FEB	13	54144	-0.03377	0.42166	-0.016457	-33.016457	0.32	-0.26
FEB	18	54149	-0.02952	0.42892	-0.021572	-33.021572	0.00	0.00
FEB	23	54154	-0.02348	0.43567	-0.025526	-33.025526	0.00	0.00
FEB	28	54159	-0.01460	0.44182	-0.030123	-33.030123	0.00	0.00
MAR	5	54164	-0.00759	0.44819	-0.034561	-33.034561	0.00	0.00
MAR	10	54169	0.00076	0.45362	-0.039024	-33.039024	0.00	0.00
MAR	15	54174	0.00909	0.45846	-0.043633	-33.043633	0.00	0.00
MAR	20	54179	0.01772	0.46270	-0.048393	-33.048393	0.00	0.00
MAR	25	54184	0.02664	0.46631	-0.053314	-33.053314	0.00	0.00
MAR	30	54189	0.03585	0.46929	-0.058372	-33.058372	0.00	0.00
APR	4	54194	0.04536	0.47158	-0.063553	-33.063553	0.00	0.00
APR	9	54199	0.05510	0.47319	-0.068825	-33.068825	0.00	0.00
APR	14	54204	0.06503	0.47408	-0.074143	-33.074143	0.00	0.00
APR	19	54209	0.07509	0.47423	-0.079483	-33.079483	0.00	0.00
APR	24	54214	0.08524	0.47363	-0.084801	-33.084801	0.00	0.00

APR 29 54219 0.09539 0.47226 -0.090050 -33.090050 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.

2007		MJD	x	y	UT1-UTC	UT1-UT1R	D	dX	dY
(0 h UTC)		"	"	s	ms	ms	0.001"	0.001"	
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	-0.05670	0.35532	0.033488	0.557	1.070	0.14	-0.51
JAN	8	54108	-0.05715	0.35686	0.032343	0.369	1.223	0.18	-0.47
JAN	9	54109	-0.05753	0.35875	0.031068	0.090	1.319	0.22	-0.35
JAN	10	54110	-0.05809	0.36097	0.029724	-0.216	1.375	0.27	-0.23
JAN	11	54111	-0.05893	0.36282	0.028339	-0.482	1.338	0.31	-0.17
JAN	12	54112	-0.05912	0.36443	0.027066	-0.653	1.262	0.33	-0.20
JAN	13	54113	-0.05867	0.36619	0.025827	-0.681	1.136	0.34	-0.24
JAN	14	54114	-0.05835	0.36786	0.024797	-0.544	0.989	0.34	-0.27
JAN	15	54115	-0.05797	0.36943	0.023855	-0.239	0.880	0.32	-0.26
JAN	16	54116	-0.05736	0.37121	0.023021	0.201	0.812	0.30	-0.29
JAN	17	54117	-0.05694	0.37299	0.022203	0.712	0.791	0.33	-0.28
JAN	18	54118	-0.05647	0.37473	0.021400	1.193	0.855	0.38	-0.24
JAN	19	54119	-0.05590	0.37696	0.020454	1.529	1.074	0.40	-0.17
JAN	20	54120	-0.05567	0.37946	0.019224	1.616	1.385	0.34	-0.16
JAN	21	54121	-0.05558	0.38145	0.017676	1.397	1.698	0.24	-0.23
JAN	22	54122	-0.05535	0.38312	0.015848	0.894	1.952	0.19	-0.31
JAN	23	54123	-0.05500	0.38481	0.013815	0.204	2.109	0.21	-0.29
JAN	24	54124	-0.05475	0.38672	0.011683	-0.523	2.119	0.26	-0.22
JAN	25	54125	-0.05464	0.38864	0.009626	-1.133	1.963	0.28	-0.17
JAN	26	54126	-0.05430	0.39027	0.007787	-1.507	1.713	0.24	-0.21
JAN	27	54127	-0.05370	0.39190	0.006208	-1.587	1.434	0.19	-0.32
JAN	28	54128	-0.05291	0.39361	0.004903	-1.389	1.173	0.18	-0.45
JAN	29	54129	-0.05189	0.39549	0.003830	-0.984	1.006	0.18	-0.53
JAN	30	54130	-0.05087	0.39749	0.002832	-0.480	0.976	0.21	-0.30
JAN	31	54131	-0.05022	0.39930	0.001832	0.008	1.039	0.19	-0.23
FEB	1	54132	-0.04982	0.40080	0.000727	0.386	1.174	0.17	-0.19
FEB	2	54133	-0.04912	0.40189	-0.000529	0.592	1.341	0.16	-0.23
FEB	3	54134	-0.04778	0.40280	-0.001954	0.612	1.509	0.15	-0.28
FEB	4	54135	-0.04555	0.40403	-0.003534	0.466	1.637	0.12	-0.29
FEB	5	54136	-0.04362	0.40559	-0.005208	0.206	1.703	0.09	-0.23
FEB	6	54137	-0.04122	0.40756	-0.006916	-0.102	1.709	0.09	-0.11
FEB	7	54138	-0.03954	0.40994	-0.008604	-0.388	1.663	0.11	-0.05
FEB	8	54139	-0.03854	0.41238	-0.010223	-0.588	1.538	0.15	-0.11
FEB	9	54140	-0.03774	0.41464	-0.011665	-0.653	1.361	0.19	-0.22
FEB	10	54141	-0.03686	0.41651	-0.012934	-0.553	1.184	0.22	-0.23
FEB	11	54142	-0.03599	0.41817	-0.014035	-0.284	1.029	0.27	-0.16
FEB	12	54143	-0.03497	0.41989	-0.015003	0.133	0.876	0.31	-0.13
FEB	13	54144	-0.03377	0.42166	-0.015811	0.646	0.753	0.32	-0.26
FEB	14	54145	-0.03267	0.42330	-0.016544	1.168	0.718	0.28	-0.43
FEB	15	54146	-0.03150	0.42495	-0.017287	1.588	0.772	0.30	-0.47
FEB	16	54147	-0.03081	0.42647	-0.018127	1.787	0.923	0.33	-0.35
FEB	17	54148	-0.03031	0.42763	-0.019154	1.675	1.110	0.00	0.00
FEB	18	54149	-0.02952	0.42892	-0.020339	1.233	1.370	0.00	0.00
FEB	19	54150	-0.02858	0.43035	-0.021855	0.530	1.598	0.00	0.00
FEB	20	54151	-0.02770	0.43172	-0.023475	-0.284	1.559	0.00	0.00
FEB	21	54152	-0.02692	0.43305	-0.025013	-1.029	1.408	0.00	0.00
FEB	22	54153	-0.02559	0.43432	-0.026288	-1.544	1.106	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				
2007	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	54104	-0.05290	0.35102	0.035848	0.025	-.022	0.01	0.02	0.02	0.03	0.04
JAN 9	54109	-0.05752	0.35877	0.031071	0.229	-.392	0.02	0.02	0.01	0.02	0.02
JAN 14	54114	-0.05834	0.36785	0.024807	0.347	-.276	0.02	0.02	0.02	0.02	0.02
JAN 19	54119	-0.05590	0.37696	0.020455	0.338	-.135	0.01	0.01	0.01	0.04	0.04
JAN 24	54124	-0.05474	0.38669	0.011684	0.236	-.257	0.02	0.02	0.01	0.02	0.02
JAN 29	54129	-0.05189	0.39550	0.003827	0.200	-.489	0.01	0.01	0.02	0.02	0.02
FEB 3	54134	-0.04778	0.40281	-0.001955	0.144	-.309	0.01	0.01	0.01	0.03	0.03
FEB 8	54139	-0.03853	0.41239	-0.010227	0.293	-.212	0.02	0.02	0.01	0.02	0.02
FEB 13	54144	-0.03375	0.42166	-0.015813	0.359	-.266	0.02	0.02	0.02	0.03	0.03
FEB 18	54149	-0.02952	0.42892	-0.020333	-	-	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		
2007 MJD	s	(microrad/s)		
JAN 4	54104	0.00096	72.921	15065
JAN 9	54109	0.00102		15061
JAN 14	54114	0.00122		15044
JAN 19	54119	0.00130		15037
JAN 24	54124	0.00143		15026
JAN 29	54129	0.00149		15021
FEB 3	54134	0.00144		15025

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
	Weighted RMS agreement with Bulletin B							
Periods covered	x	y	UT	D	dX	dY		
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VLBI								
EOP(AUS) 1 R 1	0.05	0.06	0.03	-	-	-	13	
54105.27 to 54147.27	0.14	0.12	0.08	-	-	-		
EOP(BKG) 3 R 4	0.06	0.06	0.02	-	-	-	12	
54105.27 to 54147.27	0.08	0.10	0.12	-	-	-		
EOP(BKG) 3 R 2	-	-	0.10	-	-	-	44	

54104.79 to 54152.79	-	-	0.12	-	-	-	
EOP(USNO) 5 R 1	-	-	0.11	-	-	-	47
54104.79 to 54152.79	-	-	0.14	-	-	-	
EOP(GSFC) 6 R 1	-	-	0.11	-	-	-	44
54104.79 to 54152.79	-	-	0.13	-	-	-	
EOP(IAA) 5 R 2	0.05	0.06	0.03	-	0.04	0.04	13
54105.27 to 54147.27	0.16	0.14	0.05	-	0.08	0.08	
EOP(IAA) 5 R 1	-	-	0.10	-	-	-	44
54104.80 to 54152.79	-	-	0.17	-	-	-	
EOP(SPBU) 3 R 3	0.26	0.33	0.16	-	-	-	8
54105.27 to 54140.27	0.19	0.34	0.12	-	-	-	
EOP(SPBU) 2 R 1	-	-	0.11	-	-	-	42
54104.79 to 54150.79	-	-	0.14	-	-	-	
EOP(MAO) 3 R 1	0.06	0.07	0.03	-	0.05	0.05	11
54105.31 to 54140.28	0.07	0.10	0.11	-	0.11	0.07	
EOP(GSFC) 6 R 1	0.05	0.05	0.02	-	-	-	13
54105.27 to 54147.27	0.08	0.08	0.09	-	-	-	
EOP(USNO) 6 R 2	0.05	0.06	0.02	-	-	-	13
54105.27 to 54147.27	0.12	0.08	0.09	-	-	-	
EOP(IVS) 7 R 1	0.02	0.02	0.01	-	-	-	9
54105.27 to 54140.27	0.07	0.20	0.10	-	-	-	
GPS							
EOP(CODE) 98 P 1	0.01	0.01	-	0.06	-	-	49
54104.50 to 54152.50	0.06	0.04	-	0.17	-	-	
EOP(EMR) 96 P 3	0.03	0.03	-	0.04	-	-	49
54104.50 to 54152.50	0.07	0.04	-	0.49	-	-	
EOP(ESOC) 96 P 1	0.01	0.01	-	0.04	-	-	49
54104.50 to 54152.50	0.07	0.06	-	0.60	-	-	
EOP(GFZ) 96 P 2	0.01	0.01	-	0.02	-	-	49
54104.50 to 54152.50	0.04	0.11	-	0.27	-	-	
EOP(IAA) 1 P 1	0.03	0.03	-	0.06	-	-	49
54104.50 to 54152.50	0.13	0.54	-	0.32	-	-	
EOP(JPL) 96 P 3	0.02	0.02	-	0.12	-	-	45
54104.50 to 54148.50	0.04	0.04	-	0.28	-	-	
EOP(NOAA) 96 P 1	0.01	0.01	-	0.01	-	-	48
54104.50 to 54151.50	0.14	0.06	-	0.22	-	-	
EOP(SIO) 96 P 1	0.07	0.08	-	0.19	-	-	49
54104.50 to 54152.50	0.11	0.33	-	0.19	-	-	
EOP(IGS F) 95 P 2	0.02	0.02	0.09	0.05	-	-	38
54104.50 to 54141.50	0.04	0.07	0.14	0.15	-	-	
EOP(IGS R) 96 P 2	0.03	0.04	0.17	0.07	-	-	49
54104.50 to 54152.50	0.04	0.06	0.57	0.17	-	-	
EOP(IERS) 97 P 1	0.03	0.03	0.16	0.11	-	-	49
54104.50 to 54152.50	0.03	0.03	0.25	0.16	-	-	
SLR							
EOP(ASI) 3 L 2	0.07	0.07	-	0.10	-	-	49
54104.50 to 54152.50	0.25	0.26	-	0.57	-	-	
EOP(IAA) 2 L 1	0.03	0.03	0.02	0.02	-	-	50
54104.00 to 54153.00	0.20	0.15	0.17	0.19	-	-	
EOP(MCC) 97 L 1	0.14	0.16	-	0.10	-	-	43
54104.00 to 54153.00	0.33	0.18	-	1.33	-	-	
EOP(ILRS) 5 L 1	0.08	0.08	-	0.16	-	-	49
54104.50 to 54152.50	0.15	0.11	-	0.44	-	-	
Bulletin A							
EOP(NEOS) 97 C 1	0.06	0.06	0.10	-	-	-	50
54104.00 to 54153.00	0.07	0.05	0.10	-	-	-	

