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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 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.

APR 4	54194	0.03076	0.48179	-0.069192	-33.069192	0.20	-0.56
APR 9	54199	0.04152	0.48644	-0.077292	-33.077292	0.26	-0.14
APR 14	54204	0.04885	0.48890	-0.085229	-33.085229	0.06	-0.02
APR 19	54209	0.05824	0.49005	-0.092478	-33.092478	0.22	-0.31
APR 24	54214	0.06528	0.49015	-0.098922	-33.098922	0.01	-0.42
APR 29	54219	0.07527	0.49091	-0.104791	-33.104791	0.11	-0.27
MAY 4	54224	0.08515	0.48960	-0.110922	-33.110922	0.25	-0.39

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

MAY 9	54229	0.09551	0.48557	-0.117021	-33.117021	0.29	-0.54
MAY 14	54234	0.10656	0.48219	-0.123651	-33.123651	0.08	-0.26
MAY 19	54239	0.11918	0.47768	-0.130542	-33.130542	0.00	0.00
MAY 24	54244	0.12902	0.47239	-0.136140	-33.136140	0.00	0.00
MAY 29	54249	0.13892	0.46706	-0.141019	-33.141019	0.00	0.00
JUN 3	54254	0.14988	0.45965	-0.145481	-33.145481	0.00	0.00
JUN 8	54259	0.15794	0.45330	-0.149242	-33.149242	0.00	0.00
JUN 13	54264	0.16532	0.44641	-0.152470	-33.152470	0.00	0.00
JUN 18	54269	0.17209	0.43890	-0.155270	-33.155270	0.00	0.00
JUN 23	54274	0.17825	0.43079	-0.157696	-33.157696	0.00	0.00
JUN 28	54279	0.18375	0.42213	-0.159817	-33.159817	0.00	0.00
JUL 3	54284	0.18856	0.41297	-0.161678	-33.161678	0.00	0.00
JUL 8	54289	0.19265	0.40335	-0.163342	-33.163342	0.00	0.00
JUL 13	54294	0.19596	0.39332	-0.164845	-33.164845	0.00	0.00
JUL 18	54299	0.19849	0.38294	-0.166241	-33.166241	0.00	0.00
JUL 23	54304	0.20020	0.37224	-0.167583	-33.167583	0.00	0.00

JUL 28 54309 0.20108 0.36131 -0.168926 -33.168926 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"
APR 4	54194	0.03076	0.48179	-0.069971	-0.779	1.487	0.20	-0.56
APR 5	54195	0.03329	0.48288	-0.071427	-0.757	1.407	0.20	-0.32
APR 6	54196	0.03582	0.48385	-0.072782	-0.561	1.294	0.20	-0.32
APR 7	54197	0.03820	0.48491	-0.074023	-0.200	1.222	0.22	-0.29
APR 8	54198	0.04015	0.48569	-0.075243	0.290	1.198	0.25	-0.20
APR 9	54199	0.04152	0.48644	-0.076445	0.847	1.222	0.26	-0.14
APR 10	54200	0.04267	0.48705	-0.077638	1.388	1.179	0.24	-0.24
APR 11	54201	0.04412	0.48750	-0.078898	1.812	1.285	0.21	-0.45
APR 12	54202	0.04565	0.48810	-0.080281	2.015	1.470	0.21	-0.59
APR 13	54203	0.04711	0.48857	-0.081859	1.915	1.733	0.19	-0.38
APR 14	54204	0.04885	0.48890	-0.083743	1.487	2.031	0.06	-0.02
APR 15	54205	0.05049	0.48934	-0.085888	0.786	2.234	-0.15	0.07
APR 16	54206	0.05232	0.48977	-0.088153	-0.049	2.300	-0.26	-0.18
APR 17	54207	0.05437	0.49013	-0.090422	-0.830	2.166	-0.14	-0.42
APR 18	54208	0.05637	0.49013	-0.092434	-1.382	1.837	0.07	-0.40
APR 19	54209	0.05824	0.49005	-0.094078	-1.600	1.437	0.22	-0.31
APR 20	54210	0.05986	0.49006	-0.095325	-1.482	1.058	0.24	-0.31
APR 21	54211	0.06135	0.49016	-0.096236	-1.119	0.846	0.19	-0.34
APR 22	54212	0.06263	0.49008	-0.097066	-0.649	0.803	0.08	-0.29
APR 23	54213	0.06384	0.49013	-0.097882	-0.206	0.859	-0.01	-0.27
APR 24	54214	0.06528	0.49015	-0.098808	0.114	0.965	0.01	-0.42
APR 25	54215	0.06692	0.49012	-0.099820	0.264	1.104	0.15	-0.64
APR 26	54216	0.06893	0.49029	-0.101011	0.244	1.265	0.27	-0.69
APR 27	54217	0.07111	0.49068	-0.102336	0.082	1.385	0.28	-0.52
APR 28	54218	0.07312	0.49092	-0.103764	-0.174	1.509	0.19	-0.31
APR 29	54219	0.07527	0.49091	-0.105254	-0.462	1.475	0.11	-0.27
APR 30	54220	0.07721	0.49085	-0.106692	-0.718	1.433	0.09	-0.36
MAY 1	54221	0.07916	0.49080	-0.108060	-0.879	1.300	0.11	-0.43
MAY 2	54222	0.08093	0.49066	-0.109279	-0.896	1.158	0.21	-0.55
MAY 3	54223	0.08284	0.49025	-0.110370	-0.743	1.028	0.26	-0.45
MAY 4	54224	0.08515	0.48960	-0.111343	-0.421	0.888	0.25	-0.39
MAY 5	54225	0.08748	0.48891	-0.112161	0.040	0.757	0.26	-0.44
MAY 6	54226	0.08960	0.48801	-0.112879	0.585	0.670	0.25	-0.46
MAY 7	54227	0.09168	0.48699	-0.113530	1.134	0.655	0.26	-0.44
MAY 8	54228	0.09367	0.48626	-0.114220	1.598	0.786	0.28	-0.43
MAY 9	54229	0.09551	0.48557	-0.115136	1.885	1.041	0.29	-0.54
MAY 10	54230	0.09746	0.48471	-0.116324	1.917	1.349	0.29	-0.58
MAY 11	54231	0.09967	0.48414	-0.117840	1.654	1.665	0.25	-0.42
MAY 12	54232	0.10161	0.48362	-0.119638	1.115	2.019	0.17	-0.16
MAY 13	54233	0.10395	0.48292	-0.121837	0.391	2.219	0.09	-0.11
MAY 14	54234	0.10656	0.48219	-0.124018	-0.368	2.158	0.08	-0.26
MAY 15	54235	0.10953	0.48140	-0.126097	-0.990	1.933	0.14	-0.41
MAY 16	54236	0.11234	0.48059	-0.127850	-1.340	1.565	0.16	-0.48
MAY 17	54237	0.11492	0.47968	-0.129225	-1.363	1.221	0.13	-0.46
MAY 18	54238	0.11712	0.47875	-0.130321	-1.105	0.976	0.08	-0.44
MAY 19	54239	0.11918	0.47768	-0.131226	-0.683	0.853	0.00	0.00
MAY 20	54240	0.12095	0.47659	-0.132073	-0.242	0.906	0.00	0.00
MAY 21	54241	0.12254	0.47519	-0.133069	0.099	0.886	0.00	0.00
MAY 22	54242	0.12435	0.47367	-0.133977	0.271	0.926	0.00	0.00
MAY 23	54243	0.12676	0.47282	-0.134917	0.263	1.037	0.00	0.00
MAY 24	54244	0.12902	0.47239	-0.136037	0.103	1.217	0.00	0.00
MAY 25	54245	0.13143	0.47157	-0.137332	-0.159	1.313	0.00	0.00
MAY 26	54246	0.13372	0.47070	-0.138641	-0.460	1.282	0.00	0.00
MAY 27	54247	0.13553	0.46987	-0.139867	-0.737	1.151	0.00	0.00
MAY 28	54248	0.13717	0.46862	-0.141002	-0.930	1.084	0.00	0.00

MAY	29	54249	0.13892	0.46706	-0.142008	-0.989	0.923	0.00	0.00
MAY	30	54250	0.14068	0.46546	-0.142845	-0.882	0.747	0.00	0.00
MAY	31	54251	0.14357	0.46340	-0.143497	-0.604	0.590	0.00	0.00
JUN	1	54252	0.14619	0.46198	-0.143988	-0.177	0.344	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"			
APR	4	54194	0.03079	0.48178	-0.069969	0.232	-.303	0.02	0.02	0.01	0.02	0.02
APR	9	54199	0.04155	0.48642	-0.076444	0.341	-.004	0.02	0.02	0.01	0.02	0.02
APR	14	54204	0.04885	0.48891	-0.083736	0.058	-.057	0.02	0.02	0.02	0.04	0.05
APR	19	54209	0.05826	0.49006	-0.094076	0.229	-.331	0.02	0.02	0.01	0.02	0.02
APR	24	54214	0.06530	0.49015	-0.098808	0.294	-.195	0.01	0.01	0.01	0.05	0.05
APR	29	54219	0.07526	0.49092	-0.105253	0.115	-.256	0.01	0.01	0.01	0.03	0.04
MAY	4	54224	0.08515	0.48959	-0.111344	0.287	-.337	0.02	0.02	0.02	0.03	0.03
MAY	9	54229	0.09552	0.48556	-0.115133	0.288	-.529	0.01	0.01	0.01	0.02	0.02
MAY	14	54234	0.10656	0.48219	-0.124019	0.089	-.249	0.02	0.02	0.02	0.05	0.04
MAY	19	54239	0.11919	0.47768	-0.131230	-	-	0.02	0.02	0.02	-	-
MAY	24	54244	0.12902	0.47239	-0.136035	-	-	0.01	0.01	0.01	-	-
MAY	29	54249	0.13892	0.46707	-0.142028	-	-	0.01	0.01	0.05	-	-

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)		
APR 4	54194	0.00143	72.921	15026
APR 9	54199	0.00179		14995
APR 14	54204	0.00145		15024
APR 19	54209	0.00140		15029
APR 24	54214	0.00121		15045
APR 29	54219	0.00120		15046
MAY 4	54224	0.00129		15038

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	0.08	0.08	0.03	-	-	-	13
54195.27 to 54238.27			0.11	0.09	0.07	-	-	-	
EOP(BKG)	3	R 4	0.07	0.06	0.03	-	-	-	7
54195.27 to 54224.27			0.11	0.07	0.06	-	-	-	
EOP(BKG)	3	R 2	-	-	0.09	-	-	-	47
54194.79 to 54247.33			-	-	0.18	-	-	-	
EOP(USNO)	5	R 1	-	-	0.10	-	-	-	52
54194.79 to 54247.33			-	-	0.14	-	-	-	
EOP(GSFC)	6	R 1	-	-	0.09	-	-	-	49
54194.79 to 54247.33			-	-	0.13	-	-	-	
EOP(IAA)	5	R 2	0.06	0.05	0.03	-	0.04	0.04	10
54195.27 to 54231.27			0.15	0.15	0.06	-	0.04	0.10	
EOP(IAA)	5	R 1	-	-	0.09	-	-	-	49
54194.79 to 54247.33			-	-	0.16	-	-	-	
EOP(SPBU)	3	R 3	0.28	0.38	0.17	-	-	-	5
54195.27 to 54224.27			0.26	0.35	0.08	-	-	-	
EOP(SPBU)	2	R 1	-	-	0.09	-	-	-	45
54194.79 to 54243.79			-	-	0.13	-	-	-	
EOP(MAO)	3	R 1	0.07	0.08	0.04	-	0.06	0.05	9
54195.31 to 54231.29			0.04	0.12	0.04	-	0.07	0.08	
EOP(GSFC)	6	R 1	0.21	0.08	0.11	-	-	-	14
54195.27 to 54238.27			0.10	0.09	0.10	-	-	-	
EOP(USNO)	6	R 2	0.06	0.06	0.02	-	-	-	10
54195.27 to 54238.27			0.09	0.08	0.02	-	-	-	
EOP(IVS)	7	R 1	0.04	0.04	0.02	-	-	-	9
54195.27 to 54231.27			0.10	0.13	0.03	-	-	-	
GPS									
EOP(CODE)	98	P 1	0.01	0.01	-	0.07	-	-	58
54194.50 to 54251.50			0.05	0.06	-	0.15	-	-	
EOP(EMR)	96	P 3	0.03	0.03	-	0.04	-	-	57
54194.50 to 54250.50			0.09	0.06	-	0.65	-	-	
EOP(ESOC)	96	P 1	0.01	0.01	-	0.04	-	-	57
54194.50 to 54250.50			0.04	0.09	-	0.32	-	-	
EOP(GFZ)	96	P 2	0.01	0.01	-	0.01	-	-	57
54194.50 to 54250.50			0.04	0.16	-	0.15	-	-	
EOP(IAA)	1	P 1	0.04	0.04	-	0.07	-	-	54
54194.50 to 54247.50			0.13	0.56	-	0.35	-	-	
EOP(JPL)	96	P 3	0.02	0.02	-	0.13	-	-	46
54194.50 to 54239.50			0.04	0.03	-	0.41	-	-	
EOP(NOAA)	96	P 1	0.01	0.01	-	0.01	-	-	46
54194.50 to 54239.50			0.07	0.16	-	0.17	-	-	
EOP(SIO)	96	P 1	0.05	0.05	-	0.12	-	-	51
54194.50 to 54244.50			0.05	0.35	-	0.41	-	-	
EOP(IGS F)	95	P 2	0.01	0.01	0.06	0.03	-	-	17
54216.50 to 54232.50			0.02	0.07	0.12	0.13	-	-	
EOP(IGS R)	96	P 2	0.02	0.04	0.16	0.05	-	-	57
54194.50 to 54250.50			0.04	0.09	0.54	0.14	-	-	
EOP(IERS)	97	P 1	0.03	0.03	0.22	0.12	-	-	58
54194.50 to 54251.50			0.02	0.01	0.23	0.13	-	-	
SLR									
EOP(ASI)	3	L 2	0.06	0.07	-	0.15	-	-	56

54194.50 to 54249.50	0.18	0.16	-	0.57	-	-	
EOP(IAA) 2 L 1	0.05	0.05	0.03	0.03	-	-	56
54194.00 to 54249.00	0.18	0.19	0.52	0.26	-	-	
EOP(MCC) 97 L 1	0.12	0.14	-	0.10	-	-	35
54203.00 to 54244.00	0.23	0.19	-	3.14	-	-	
EOP(ILRS) 5 L 1	0.05	0.06	-	0.13	-	-	53
54194.50 to 54246.50	0.20	0.14	-	0.39	-	-	
Bulletin A							
EOP(NEOS) 97 C 1	0.07	0.07	0.11	-	-	-	59
54194.00 to 54252.00	0.06	0.04	0.09	-	-	-	