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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.

JUN	3	54254	0.15157	0.45898	-0.145293	-33.145293	0.25	-0.38
JUN	8	54259	0.16239	0.45154	-0.148436	-33.148436	0.16	-0.33
JUN	13	54264	0.17333	0.44333	-0.150856	-33.150856	0.06	-0.42
JUN	18	54269	0.18249	0.43365	-0.152860	-33.152860	0.08	-0.36
JUN	23	54274	0.19363	0.42498	-0.154945	-33.154945	0.09	-0.39
JUN	28	54279	0.20519	0.41643	-0.157095	-33.157095	0.17	-0.43
JUL	3	54284	0.20979	0.40727	-0.159421	-33.159421	0.00	-0.52

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

JUL	8	54289	0.21518	0.39632	-0.161163	-33.161163	-0.03	-0.39
JUL	13	54294	0.21947	0.38319	-0.162176	-33.162176	0.13	-0.41
JUL	18	54299	0.22589	0.37049	-0.162647	-33.162647	0.05	-0.61
JUL	23	54304	0.22971	0.35703	-0.162754	-33.162754	0.00	0.00
JUL	28	54309	0.22925	0.34583	-0.162462	-33.162462	0.00	0.00
AUG	2	54314	0.22763	0.33130	-0.163459	-33.163459	0.00	0.00
AUG	7	54319	0.22785	0.31574	-0.164930	-33.164930	0.00	0.00
AUG	12	54324	0.22488	0.30185	-0.166586	-33.166586	0.00	0.00
AUG	17	54329	0.22113	0.28718	-0.168466	-33.168466	0.00	0.00
AUG	22	54334	0.21598	0.27252	-0.170614	-33.170614	0.00	0.00
AUG	27	54339	0.21213	0.25902	-0.173026	-33.173026	0.00	0.00
SEP	1	54344	0.20485	0.24686	-0.175802	-33.175802	0.00	0.00
SEP	6	54349	0.19825	0.23259	-0.178934	-33.178934	0.00	0.00
SEP	11	54354	0.19037	0.21835	-0.182414	-33.182414	0.00	0.00
SEP	16	54359	0.18113	0.20495	-0.186284	-33.186284	0.00	0.00
SEP	21	54364	0.17210	0.19350	-0.190507	-33.190507	0.00	0.00

SEP 26 54369 0.15845 0.18230 -0.195088 -33.195088 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 2006 IERS Annual Report.

2007	MJD	x	y	UT1-UTC	UT1-UT1R	D	dX	dY
(0 h UTC)	"	"	"	s	ms	ms	0.001"	0.001"
JUN 3	54254	0.15157	0.45898	-0.144401	0.893	0.156	0.25	-0.38
JUN 4	54255	0.15387	0.45739	-0.144548	1.371	0.249	0.14	-0.42
JUN 5	54256	0.15641	0.45598	-0.144930	1.692	0.461	0.06	-0.43
JUN 6	54257	0.15873	0.45477	-0.145527	1.784	0.681	0.04	-0.40
JUN 7	54258	0.16058	0.45323	-0.146281	1.608	0.869	0.09	-0.36
JUN 8	54259	0.16239	0.45154	-0.147258	1.178	1.028	0.16	-0.33
JUN 9	54260	0.16443	0.45007	-0.148330	0.562	1.130	0.19	-0.35
JUN 10	54261	0.16674	0.44869	-0.149468	-0.122	1.142	0.18	-0.41
JUN 11	54262	0.16914	0.44726	-0.150525	-0.729	1.030	0.14	-0.46
JUN 12	54263	0.17133	0.44548	-0.151451	-1.127	0.769	0.09	-0.47
JUN 13	54264	0.17333	0.44333	-0.152092	-1.236	0.427	0.06	-0.42
JUN 14	54265	0.17505	0.44124	-0.152322	-1.062	0.146	0.04	-0.34
JUN 15	54266	0.17663	0.43919	-0.152383	-0.686	-0.035	0.04	-0.27
JUN 16	54267	0.17836	0.43719	-0.152315	-0.242	-0.038	0.04	-0.25
JUN 17	54268	0.18030	0.43538	-0.152315	0.138	0.105	0.05	-0.29
JUN 18	54269	0.18249	0.43365	-0.152501	0.358	0.261	0.08	-0.36
JUN 19	54270	0.18481	0.43200	-0.152870	0.385	0.456	0.13	-0.42
JUN 20	54271	0.18714	0.43069	-0.153434	0.238	0.639	0.17	-0.46
JUN 21	54272	0.18940	0.42931	-0.154134	-0.032	0.735	0.18	-0.45
JUN 22	54273	0.19154	0.42728	-0.154890	-0.356	0.748	0.15	-0.42
JUN 23	54274	0.19363	0.42498	-0.155611	-0.666	0.674	0.09	-0.39
JUN 24	54275	0.19569	0.42288	-0.156207	-0.899	0.571	0.02	-0.37
JUN 25	54276	0.19801	0.42088	-0.156737	-1.005	0.462	0.00	-0.37
JUN 26	54277	0.20072	0.41917	-0.157104	-0.948	0.320	0.03	-0.39
JUN 27	54278	0.20325	0.41780	-0.157319	-0.719	0.157	0.10	-0.41
JUN 28	54279	0.20519	0.41643	-0.157427	-0.332	0.042	0.17	-0.43
JUN 29	54280	0.20673	0.41489	-0.157427	0.167	-0.029	0.21	-0.43
JUN 30	54281	0.20793	0.41334	-0.157391	0.710	-0.057	0.18	-0.41
JUL 1	54282	0.20865	0.41168	-0.157351	1.205	0.013	0.12	-0.41
JUL 2	54283	0.20912	0.40959	-0.157398	1.557	0.184	0.04	-0.45
JUL 3	54284	0.20979	0.40727	-0.157736	1.685	0.438	0.00	-0.52
JUL 4	54285	0.21072	0.40516	-0.158311	1.546	0.675	-0.01	-0.59
JUL 5	54286	0.21181	0.40309	-0.159097	1.151	0.835	0.01	-0.61
JUL 6	54287	0.21312	0.40091	-0.159980	0.570	0.940	0.02	-0.56
JUL 7	54288	0.21436	0.39868	-0.160927	-0.083	0.948	0.00	-0.47
JUL 8	54289	0.21518	0.39632	-0.161837	-0.674	0.766	-0.03	-0.39
JUL 9	54290	0.21584	0.39378	-0.162444	-1.081	0.494	-0.04	-0.37
JUL 10	54291	0.21669	0.39108	-0.162783	-1.226	0.214	-0.01	-0.40
JUL 11	54292	0.21766	0.38835	-0.162863	-1.097	-0.034	0.06	-0.46
JUL 12	54293	0.21851	0.38577	-0.162721	-0.751	-0.202	0.12	-0.49
JUL 13	54294	0.21947	0.38319	-0.162476	-0.300	-0.294	0.13	-0.41
JUL 14	54295	0.22079	0.38051	-0.162170	0.126	-0.258	0.06	-0.30
JUL 15	54296	0.22203	0.37789	-0.162014	0.417	-0.103	-0.02	-0.29
JUL 16	54297	0.22317	0.37544	-0.161995	0.513	0.076	-0.06	-0.39
JUL 17	54298	0.22451	0.37300	-0.162159	0.412	0.227	-0.04	-0.51
JUL 18	54299	0.22589	0.37049	-0.162489	0.158	0.341	0.05	-0.61
JUL 19	54300	0.22706	0.36804	-0.162889	-0.178	0.394	0.15	-0.61
JUL 20	54301	0.22787	0.36543	-0.163263	-0.520	0.329	0.17	-0.45
JUL 21	54302	0.22850	0.36260	-0.163560	-0.797	0.220	0.00	0.00
JUL 22	54303	0.22911	0.35971	-0.163739	-0.953	0.069	0.00	0.00
JUL 23	54304	0.22971	0.35703	-0.163704	-0.950	-0.110	0.00	0.00
JUL 24	54305	0.23014	0.35504	-0.163498	-0.772	-0.287	0.00	0.00
JUL 25	54306	0.23022	0.35296	-0.163159	-0.429	-0.489	0.00	0.00
JUL 26	54307	0.23023	0.35068	-0.162576	0.043	-0.598	0.00	0.00
JUL 27	54308	0.23004	0.34844	-0.161937	0.582	-0.615	0.00	0.00

JUL 28 54309 0.22925 0.34583 -0.161360 1.102 -0.530 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"	0.001"	0.0001s	0.001"	0.001"	0.001"
JUN 3	54254	0.15155	0.45896	-0.144397	0.310	-.390	0.01	0.01	0.01	0.05	0.04
JUN 8	54259	0.16237	0.45153	-0.147248	0.153	-.330	0.01	0.01	0.02	0.09	0.09
JUN 13	54264	0.17331	0.44331	-0.152089	0.049	-.375	0.01	0.01	0.02	0.04	0.03
JUN 18	54269	0.18246	0.43363	-0.152501	0.092	-.335	0.01	0.01	0.03	0.06	0.05
JUN 23	54274	0.19360	0.42497	-0.155606	0.087	-.371	0.01	0.01	0.02	0.04	0.04
JUN 28	54279	0.20517	0.41640	-0.157425	0.189	-.430	0.01	0.01	0.02	0.04	0.03
JUL 3	54284	0.20978	0.40725	-0.157729	0.005	-.470	0.01	0.01	0.01	0.03	0.03
JUL 8	54289	0.21515	0.39631	-0.161828	-.018	-.343	0.01	0.02	0.02	0.04	0.03
JUL 13	54294	0.21945	0.38317	-0.162479	0.140	-.471	0.01	0.01	0.04	0.15	0.14
JUL 18	54299	0.22590	0.37040	-0.162486	0.008	-.639	0.03	0.03	0.02	0.07	0.05
JUL 23	54304	0.22973	0.35695	-0.163707	-	-	0.04	0.05	0.07	-	-
JUL 28	54309	0.22921	0.34579	-0.161361	-	-	0.03	0.04	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)
JUN 3	54254	0.00069	72.921 15089
JUN 8	54259	0.00049	15105
JUN 13	54264	0.00047	15107
JUN 18	54269	0.00039	15114
JUN 23	54274	0.00040	15113
JUN 28	54279	0.00050	15104
JUL 3	54284	0.00044	15110

5 - INFORMATION ON TIME SCALES

No leap second will be introduced in UTC on 31 December 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
Periods covered	Weighted RMS agreement with Bulletin B

VLBI		x	y	UT	D	dX	dY	Data Number
EOP(AUS)	1 R 1	0.06	0.09	0.03	-	-	-	11
54256.21 to 54291.21		0.10	0.07	0.04	-	-	-	
EOP(BKG)	3 R 4	0.09	0.09	0.06	-	-	-	15
54256.21 to 54301.29		0.07	0.15	0.07	-	-	-	
EOP(BKG)	3 R 2	-	-	0.09	-	-	-	50
54254.33 to 54308.80		-	-	0.12	-	-	-	
EOP(USNO)	5 R 1	-	-	0.10	-	-	-	51
54254.33 to 54306.79		-	-	0.14	-	-	-	
EOP(GSFC)	6 R 1	-	-	0.10	-	-	-	52
54254.33 to 54308.80		-	-	0.11	-	-	-	
EOP(IAA)	5 R 2	0.06	0.08	0.03	-	0.04	0.05	12
54256.21 to 54301.29		0.06	0.12	0.08	-	0.04	0.03	
EOP(IAA)	5 R 1	-	-	0.09	-	-	-	52
54254.33 to 54308.80		-	-	0.15	-	-	-	
EOP(SPBU)	2 R 1	-	-	0.10	-	-	-	7
54254.33 to 54261.33		-	-	0.13	-	-	-	
EOP(MAO)	3 R 1	0.07	0.11	0.04	-	0.05	0.06	10
54256.24 to 54287.29		0.05	0.09	0.04	-	0.07	0.06	
EOP(GSFC)	6 R 1	0.10	0.13	0.07	-	-	-	15
54256.21 to 54301.27		0.08	0.14	0.08	-	-	-	
EOP(USNO)	6 R 2	0.07	0.08	0.03	-	-	-	14
54256.21 to 54301.27		0.08	0.10	0.05	-	-	-	
EOP(IVS)	7 R 1	0.05	0.06	0.02	-	-	-	14
54256.21 to 54301.29		0.09	0.16	0.08	-	-	-	
GPS								
EOP(CODE)	98 P 1	0.01	0.01	-	0.06	-	-	55
54254.50 to 54308.50		0.02	0.03	-	0.13	-	-	
EOP(EMR)	96 P 3	0.03	0.03	-	0.04	-	-	55
54254.50 to 54308.50		0.06	0.11	-	0.21	-	-	
EOP(ESOC)	96 P 1	0.01	0.01	-	0.03	-	-	54
54254.50 to 54307.50		0.05	0.06	-	0.47	-	-	
EOP(GFZ)	96 P 2	0.01	0.01	-	0.01	-	-	55
54254.50 to 54308.50		0.02	0.03	-	0.25	-	-	
EOP(IAA)	1 P 1	0.03	0.03	-	0.06	-	-	55
54254.50 to 54308.50		0.23	0.81	-	0.22	-	-	
EOP(JPL)	96 P 3	0.02	0.02	-	0.10	-	-	42
54254.50 to 54295.50		0.04	0.06	-	0.20	-	-	
EOP(NOAA)	96 P 1	0.01	0.01	-	0.01	-	-	45
54254.50 to 54298.50		0.11	0.07	-	0.26	-	-	
EOP(SIO)	96 P 1	0.05	0.05	-	0.12	-	-	55
54254.50 to 54308.50		0.07	0.07	-	0.16	-	-	
EOP(IGS R)	96 P 2	0.02	0.03	0.15	0.05	-	-	55
54254.50 to 54308.50		0.05	0.04	0.53	0.12	-	-	
EOP(IGS)	0 P 3	0.02	0.02	0.09	0.09	-	-	42
54254.50 to 54295.50		0.01	0.01	0.22	0.12	-	-	
EOP(IERS)	97 P 1	0.03	0.03	0.13	0.09	-	-	55
54254.50 to 54308.50		0.03	0.04	0.32	0.15	-	-	
SLR								
EOP(ASI)	3 L 2	0.07	0.08	-	0.16	-	-	52
54254.50 to 54305.50		0.22	0.41	-	0.53	-	-	
EOP(IAA)	2 L 1	0.04	0.04	0.02	0.02	-	-	56
54254.00 to 54309.00		0.18	0.13	0.25	0.18	-	-	
EOP(MCC)	97 L 1	0.16	0.16	-	0.10	-	-	47
54254.00 to 54300.00		0.16	0.15	-	2.57	-	-	

EOP(ILRS) 5 L 1	0.07	0.07	-	0.15	-	-	49
54254.50 to 54302.50	0.21	0.20	-	0.60	-	-	
Bulletin A							
EOP(NEOS) 97 C 1	0.08	0.07	0.13	-	-	-	56
54254.00 to 54309.00	0.04	0.04	0.12	-	-	-	