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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
		"	"	s	s	0.001"	0.001"
2007/2008							
(0h UTC)							

Final Bulletin B values.

NOV 5	54409	0.03593	0.19258	-0.216363	-33.216363	0.01	-0.15
NOV 10	54414	0.02530	0.19346	-0.220665	-33.220665	0.01	-0.15
NOV 15	54419	0.01111	0.19549	-0.225243	-33.225243	0.04	0.06
NOV 20	54424	-0.00423	0.19944	-0.230923	-33.230923	-0.02	-0.11
NOV 25	54429	-0.01814	0.20487	-0.237795	-33.237795	-0.08	0.12
NOV 30	54434	-0.02865	0.20954	-0.244205	-33.244205	0.16	0.10
DEC 5	54439	-0.03673	0.21721	-0.250380	-33.250380	-0.03	0.02

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

DEC 10	54444	-0.04767	0.22401	-0.254834	-33.254834	0.10	0.06
DEC 15	54449	-0.05466	0.23029	-0.258377	-33.258377	0.02	-0.04
DEC 20	54454	-0.06100	0.23773	-0.262023	-33.262023	0.02	-0.04
DEC 25	54459	-0.06731	0.24613	-0.266348	-33.266348	0.00	0.00
DEC 30	54464	-0.07646	0.25477	-0.270416	-33.270416	0.00	0.00
JAN 4	54469	-0.08450	0.26334	-0.274846	-33.274846	0.00	0.00
JAN 9	54474	-0.09230	0.27464	-0.280103	-33.280103	0.00	0.00
JAN 14	54479	-0.10140	0.28594	-0.285701	-33.285701	0.00	0.00
JAN 19	54484	-0.10809	0.29820	-0.291320	-33.291320	0.00	0.00
JAN 24	54489	-0.11257	0.31135	-0.296880	-33.296880	0.00	0.00
JAN 29	54494	-0.11719	0.32551	-0.302459	-33.302459	0.00	0.00
FEB 3	54499	-0.11932	0.33849	-0.308082	-33.308082	0.00	0.00
FEB 8	54504	-0.12010	0.35283	-0.313775	-33.313775	0.00	0.00
FEB 13	54509	-0.11912	0.36718	-0.319616	-33.319616	0.00	0.00
FEB 18	54514	-0.11925	0.38051	-0.325591	-33.325591	0.00	0.00
FEB 23	54519	-0.11781	0.39429	-0.331714	-33.331714	0.00	0.00

FEB 28 54524 -0.11821 0.40857 -0.338010 -33.338010 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 (0 h UTC)	MJD	x "	y "	UT1-UTC s	UT1-UT1R ms	D ms	dX 0.001"	dY 0.001"
NOV 5	54409	0.03593	0.19258	-0.216755	-0.392	1.020	0.01	-0.15
NOV 6	54410	0.03401	0.19279	-0.217788	-0.707	1.039	-0.03	-0.19
NOV 7	54411	0.03231	0.19309	-0.218854	-0.969	1.057	0.00	-0.18
NOV 8	54412	0.03022	0.19327	-0.219912	-1.121	0.998	0.05	-0.16
NOV 9	54413	0.02782	0.19344	-0.220843	-1.117	0.849	0.06	-0.14
NOV 10	54414	0.02530	0.19346	-0.221602	-0.937	0.643	0.01	-0.15
NOV 11	54415	0.02278	0.19356	-0.222172	-0.589	0.489	-0.06	-0.17
NOV 12	54416	0.01999	0.19418	-0.222599	-0.107	0.367	-0.10	-0.15
NOV 13	54417	0.01696	0.19472	-0.222902	0.451	0.327	-0.09	-0.08
NOV 14	54418	0.01406	0.19495	-0.223272	1.015	0.391	-0.03	0.01
NOV 15	54419	0.01111	0.19549	-0.223740	1.504	0.588	0.04	0.06
NOV 16	54420	0.00791	0.19613	-0.224440	1.840	0.869	0.09	0.03
NOV 17	54421	0.00458	0.19644	-0.225435	1.959	1.129	0.10	-0.07
NOV 18	54422	0.00138	0.19703	-0.226682	1.817	1.407	0.08	-0.14
NOV 19	54423	-0.00153	0.19814	-0.228282	1.415	1.702	0.02	-0.19
NOV 20	54424	-0.00423	0.19944	-0.230115	0.808	1.925	-0.02	-0.11
NOV 21	54425	-0.00694	0.20079	-0.232097	0.109	1.992	-0.04	0.06
NOV 22	54426	-0.00945	0.20231	-0.234116	-0.532	1.921	-0.05	0.23
NOV 23	54427	-0.01189	0.20377	-0.235985	-0.969	1.722	-0.08	0.29
NOV 24	54428	-0.01484	0.20453	-0.237545	-1.113	1.418	-0.10	0.23
NOV 25	54429	-0.01814	0.20487	-0.238762	-0.967	1.110	-0.08	0.12
NOV 26	54430	-0.02084	0.20517	-0.239768	-0.623	0.931	-0.02	0.00
NOV 27	54431	-0.02298	0.20587	-0.240689	-0.225	0.913	0.06	-0.07
NOV 28	54432	-0.02526	0.20697	-0.241619	0.085	1.030	0.10	-0.07
NOV 29	54433	-0.02729	0.20817	-0.242708	0.219	1.220	0.15	0.03
NOV 30	54434	-0.02865	0.20954	-0.244050	0.155	1.409	0.16	0.10
DEC 1	54435	-0.02959	0.21110	-0.245569	-0.072	1.538	0.13	0.08
DEC 2	54436	-0.03067	0.21265	-0.247102	-0.394	1.599	0.09	0.03
DEC 3	54437	-0.03202	0.21422	-0.248735	-0.737	1.578	0.04	-0.13
DEC 4	54438	-0.03401	0.21583	-0.250249	-1.031	1.432	-0.01	-0.07
DEC 5	54439	-0.03673	0.21721	-0.251598	-1.218	1.210	-0.03	0.02

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3 - NORMAL VALUES OF THE EARTH ORIENTATION PARAMETERS AT FIVE-DAY INTERVALS (IERS evaluation).

Raw normal values							Uncertainties				
2007 (0 h UTC)	MJD	x "	y "	UT1-UTC s	dX 0.001"	dY	x 0.001"	y 0.0001s	UT1 0.001"	dX 0.03	dY 0.04
NOV 5	54409	0.03595	0.19260	-0.216756	-.004	-.159	0.02	0.02	0.02	0.03	0.04
NOV 10	54414	0.02530	0.19348	-0.221604	-0.18	0.021	0.01	0.01	0.02	0.06	0.09
NOV 15	54419	0.01114	0.19547	-0.223744	0.061	0.080	0.02	0.02	0.02	0.09	0.10
NOV 20	54424	-0.00423	0.19944	-0.230110	-.051	-.119	0.02	0.02	0.02	0.09	0.09
NOV 25	54429	-0.01814	0.20489	-0.238761	-.046	0.180	0.02	0.02	0.01	0.03	0.05
NOV 30	54434	-0.02864	0.20958	-0.244048	0.401	-.097	0.02	0.02	0.03	0.13	0.19
DEC 5	54439	-0.03674	0.21726	-0.251599	-.013	-.015	0.02	0.02	0.01	0.02	0.03

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 s	OmegaR (microrad/s)	
2007	MJD			
NOV	5	54409	0.00071	72.921 15087
NOV	10	54414	0.00092	15069
NOV	15	54419	0.00102	15061
NOV	20	54424	0.00125	15041
NOV	25	54429	0.00138	15030
NOV	30	54434	0.00126	15040
DEC	5	54439	0.00110	15054

5 - INFORMATION ON TIME SCALES

No leap second was 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 on our web/ftp site :

World Wide Web : <http://hpiers.obspm.fr>
 Anonymous 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 Periods covered	Mean formal uncertainty Weighted RMS agreement with Bulletin B							Data Number
	x	y	UT	D	dX	dY		
VLBI								
EOP(AUS) 1 R 1 54410.21 to 54438.21	0.07 0.49	0.07 0.24	0.02 0.13	- -	- -	- -	- -	9
EOP(BKG) 3 R 4 54410.21 to 54438.21	0.06 0.09	0.06 0.08	0.02 0.10	- -	- -	- -	- -	9
EOP(BKG) 3 R 2 54409.31 to 54438.79	- -	- -	0.10 0.11	- -	- -	- -	- -	30
EOP(USNO) 5 R 1 54409.31 to 54438.79	- -	- -	0.07 0.10	- -	- -	- -	- -	27
EOP(GSFC) 6 R 1 54409.31 to 54438.79	- -	- -	0.08 0.10	- -	- -	- -	- -	28
EOP(IAA) 5 R 2 54410.21 to 54438.21	0.06 0.08	0.06 0.07	0.02 0.05	- -	0.04 0.04	0.05 0.04	- -	9
EOP(IAA) 5 R 1 54417.79 to 54438.79	- -	- -	0.09 0.13	- -	- -	- -	- -	17
EOP(MAO) 3 R 1 54410.23 to 54438.21	0.11 0.05	0.10 0.07	0.03 0.05	- -	0.07 0.07	0.07 0.04	- -	9
EOP(GSFC) 6 R 1 54410.21 to 54438.21	0.06 0.22	0.06 0.40	0.02 0.07	- -	- -	- -	- -	9
EOP(USNO) 6 R 2 54410.21 to 54438.21	0.06 0.08	0.06 0.06	0.02 0.08	- -	- -	- -	- -	9
EOP(IVS) 2 R 1 54410.21 to 54438.21	0.05 0.08	0.05 0.12	0.02 0.06	- -	- -	- -	- -	7

GPS

EOP(CODE) 98 P 1	0.01	0.01	-	0.06	-	-	30
54409.50 to 54438.50	0.02	0.05	-	0.13	-	-	
EOP(EMR) 96 P 3	0.03	0.03	-	0.04	-	-	30
54409.50 to 54438.50	0.05	0.06	-	0.10	-	-	
EOP(ESOC) 96 P 1	0.01	0.01	-	0.04	-	-	30
54409.50 to 54438.50	0.06	0.05	-	0.31	-	-	
EOP(IAA) 1 P 1	0.03	0.03	-	0.06	-	-	30
54409.50 to 54438.50	0.11	0.29	-	0.39	-	-	
EOP(JPL) 96 P 3	0.01	0.01	-	0.06	-	-	30
54409.50 to 54438.50	0.08	0.16	-	3.73	-	-	
EOP(NOAA) 96 P 1	0.00	0.00	-	0.00	-	-	30
54409.50 to 54438.50	0.06	0.05	-	0.17	-	-	
EOP(SIO) 96 P 1	0.02	0.02	-	0.05	-	-	30
54409.50 to 54438.50	0.04	0.05	-	0.15	-	-	
EOP(IGS R)96 P 2	0.02	0.03	0.13	0.05	-	-	30
54409.50 to 54438.50	0.03	0.04	0.43	0.08	-	-	
EOP(IGS) 7 P 1	0.02	0.02	0.08	0.07	-	-	30
54409.50 to 54438.50	0.02	0.02	0.35	0.09	-	-	
SLR							
EOP(ASI) 3 L 2	0.09	0.09	-	0.26	-	-	30
54409.50 to 54438.50	0.39	0.28	-	0.55	-	-	
EOP(ILRS) 5 L 1	0.06	0.06	-	0.15	-	-	30
54409.50 to 54438.50	0.27	0.28	-	0.44	-	-	
EOP(IAA) 2 L 1	0.05	0.05	0.03	0.03	-	-	31
54409.00 to 54439.00	0.18	0.29	0.46	0.25	-	-	
EOP(MCC) 97 L 1	0.18	0.18	-	0.28	-	-	27
54413.00 to 54439.00	0.14	0.17	-	2.16	-	-	
Bulletin A							
EOP(NEOS) 97 C 1	0.04	0.04	0.04	-	-	-	31
54409.00 to 54439.00	0.05	0.08	0.21	-	-	-	