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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	MJD	x	y	UT1R-UTC	UT1R-TAI	dX	dY
		"	"	s	s	0.001"	0.001"
2005/2006							
(0h UTC)							

Final Bulletin B values.

OCT	1	53644	0.05882	0.41691	-0.608963	-32.608963	0.38	-0.03
OCT	6	53649	0.06220	0.41506	-0.610812	-32.610812	0.31	0.03
OCT	11	53654	0.06533	0.41338	-0.613201	-32.613201	0.31	-0.03
OCT	16	53659	0.06803	0.40851	-0.615273	-32.615273	0.52	0.08
OCT	21	53664	0.07109	0.40670	-0.618089	-32.618089	0.34	-0.08
OCT	26	53669	0.07067	0.40357	-0.621447	-32.621447	0.39	-0.23
OCT	31	53674	0.07020	0.39939	-0.624597	-32.624597	0.31	-0.17
NOV	5	53679	0.07316	0.39628	-0.628071	-32.628071	0.27	-0.24

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

NOV	10	53684	0.07220	0.39438	-0.631300	-32.631300	0.42	-0.05
NOV	15	53689	0.06906	0.39191	-0.635294	-32.635294	0.29	-0.15
NOV	20	53694	0.06810	0.39187	-0.639048	-32.639048	0.00	0.00
NOV	25	53699	0.06615	0.38781	-0.642900	-32.642900	0.00	0.00
NOV	30	53704	0.06922	0.38865	-0.646089	-32.646089	0.00	0.00
DEC	5	53709	0.07220	0.38597	-0.649330	-32.649330	0.00	0.00
DEC	10	53714	0.07460	0.38166	-0.652443	-32.652443	0.00	0.00
DEC	15	53719	0.07605	0.37691	-0.655342	-32.655342	0.00	0.00
DEC	20	53724	0.07691	0.37205	-0.658089	-32.658089	0.00	0.00
DEC	25	53729	0.07734	0.36722	-0.660744	-32.660744	0.00	0.00
DEC	30	53734	0.07743	0.36250	-0.663376	-32.663376	0.00	0.00
JAN	4	53739	0.07724	0.35791	0.333992	-32.666008	0.00	0.00
JAN	9	53744	0.07680	0.35350	0.331322	-32.668678	0.00	0.00
JAN	14	53749	0.07613	0.34927	0.328575	-32.671425	0.00	0.00
JAN	19	53754	0.07526	0.34526	0.325722	-32.674278	0.00	0.00

JAN	24	53759	0.07419	0.34148	0.322746	-32.677254	0.00	0.00
JAN	29	53764	0.07294	0.33795	0.319618	-32.680382	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 2004 IERS Annual Report.

	2005	MJD	x	y	UT1-UTC	UT1-UT1R	D	dX	dY
	(0 h UTC)		"	"	s	ms	ms	0.001"	0.001"
OCT	1	53644	0.05882	0.41691	-0.608054	0.909	0.548	0.38	-0.03
OCT	2	53645	0.05874	0.41669	-0.608678	0.647	0.699	0.33	-0.17
OCT	3	53646	0.05901	0.41616	-0.609429	0.295	0.776	0.28	-0.25
OCT	4	53647	0.05987	0.41550	-0.610203	-0.070	0.731	0.25	-0.16
OCT	5	53648	0.06094	0.41507	-0.610864	-0.364	0.570	0.28	-0.02
OCT	6	53649	0.06220	0.41506	-0.611320	-0.508	0.420	0.31	0.03
OCT	7	53650	0.06335	0.41543	-0.611694	-0.455	0.331	0.32	-0.03
OCT	8	53651	0.06405	0.41549	-0.611988	-0.197	0.154	0.32	-0.14
OCT	9	53652	0.06462	0.41491	-0.612026	0.222	0.003	0.34	-0.19
OCT	10	53653	0.06515	0.41418	-0.612031	0.710	-0.006	0.35	-0.15
OCT	11	53654	0.06533	0.41338	-0.612057	1.144	0.076	0.31	-0.03
OCT	12	53655	0.06542	0.41261	-0.612223	1.396	0.288	0.27	0.09
OCT	13	53656	0.06582	0.41192	-0.612656	1.371	0.574	0.27	0.13
OCT	14	53657	0.06640	0.41088	-0.613369	1.036	0.879	0.36	0.07
OCT	15	53658	0.06703	0.40962	-0.614384	0.441	1.124	0.48	0.01
OCT	16	53659	0.06803	0.40851	-0.615566	-0.293	1.188	0.52	0.08
OCT	17	53660	0.06936	0.40791	-0.616704	-1.002	1.109	0.40	0.24
OCT	18	53661	0.07046	0.40770	-0.617739	-1.533	0.945	0.21	0.32
OCT	19	53662	0.07099	0.40745	-0.618572	-1.787	0.708	0.12	0.23
OCT	20	53663	0.07109	0.40712	-0.619160	-1.739	0.462	0.19	0.05
OCT	21	53664	0.07109	0.40670	-0.619519	-1.430	0.267	0.34	-0.08
OCT	22	53665	0.07108	0.40613	-0.619726	-0.947	0.157	0.45	-0.13
OCT	23	53666	0.07103	0.40546	-0.619867	-0.387	0.132	0.48	-0.18
OCT	24	53667	0.07098	0.40482	-0.620019	0.156	0.175	0.46	-0.26
OCT	25	53668	0.07096	0.40425	-0.620240	0.605	0.254	0.42	-0.29
OCT	26	53669	0.07067	0.40357	-0.620542	0.905	0.365	0.39	-0.23
OCT	27	53670	0.07019	0.40265	-0.620975	1.027	0.550	0.37	-0.12
OCT	28	53671	0.06989	0.40192	-0.621639	0.966	0.756	0.37	-0.07
OCT	29	53672	0.06960	0.40130	-0.622476	0.744	0.929	0.37	-0.09
OCT	30	53673	0.06952	0.40033	-0.623477	0.408	1.060	0.35	-0.16
OCT	31	53674	0.07020	0.39939	-0.624571	0.026	1.099	0.31	-0.17
NOV	1	53675	0.07137	0.39871	-0.625646	-0.318	1.019	0.27	-0.08
NOV	2	53676	0.07239	0.39810	-0.626583	-0.541	0.839	0.26	-0.03
NOV	3	53677	0.07299	0.39745	-0.627307	-0.575	0.607	0.26	-0.05
NOV	4	53678	0.07318	0.39679	-0.627797	-0.394	0.386	0.27	-0.16
NOV	5	53679	0.07316	0.39628	-0.628097	-0.027	0.224	0.27	-0.24
NOV	6	53680	0.07300	0.39582	-0.628282	0.442	0.151	0.29	-0.27
NOV	7	53681	0.07274	0.39528	-0.628442	0.893	0.205	0.33	-0.21
NOV	8	53682	0.07257	0.39489	-0.628731	1.197	0.421	0.36	-0.10
NOV	9	53683	0.07252	0.39470	-0.629310	1.259	0.765	0.40	-0.04
NOV	10	53684	0.07220	0.39438	-0.630263	1.037	1.130	0.42	-0.05
NOV	11	53685	0.07159	0.39370	-0.631548	0.560	1.392	0.42	-0.09
NOV	12	53686	0.07090	0.39311	-0.633007	-0.080	1.472	0.40	-0.13
NOV	13	53687	0.07009	0.39284	-0.634444	-0.747	1.421	0.36	-0.14
NOV	14	53688	0.06929	0.39246	-0.635804	-1.300	1.253	0.33	-0.14
NOV	15	53689	0.06906	0.39191	-0.636921	-1.627	0.967	0.29	-0.15
NOV	16	53690	0.06956	0.39184	-0.637732	-1.675	0.669	0.27	-0.17
NOV	17	53691	0.06977	0.39238	-0.638272	-1.457	0.425	0.30	-0.17
NOV	18	53692	0.06939	0.39252	-0.638611	-1.035	0.231	0.36	-0.16
NOV	19	53693	0.06889	0.39190	-0.638767	-0.501	0.180	0.00	0.00
NOV	20	53694	0.06810	0.39187	-0.639001	0.047	0.273	0.00	0.00
NOV	21	53695	0.06689	0.39125	-0.639337	0.525	0.399	0.00	0.00
NOV	22	53696	0.06588	0.39035	-0.639816	0.872	0.543	0.00	0.00
NOV	23	53697	0.06528	0.38918	-0.640432	1.050	0.668	0.00	0.00

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

		Raw normal values					Uncertainties				
2005	MJD	x	y	UT1-UTC	dX	dY	x	y	UT1	dX	dY
(0 h UTC)		"	"	s	0.001"		0.001"	0.0001s	0.001"		
OCT 1	53644	0.05881	0.41691	-0.608061	0.276	-.236	0.01	0.01	0.02	0.02	0.02
OCT 6	53649	0.06221	0.41506	-0.611327	0.292	0.079	0.02	0.02	0.02	0.03	0.03
OCT 11	53654	0.06534	0.41337	-0.612066	0.264	-.107	0.01	0.02	0.02	0.04	0.05
OCT 16	53659	0.06805	0.40850	-0.615564	0.542	0.091	0.02	0.02	0.02	0.03	0.03
OCT 21	53664	0.07109	0.40670	-0.619523	0.347	-.171	0.02	0.02	0.02	0.03	0.04
OCT 26	53669	0.07067	0.40355	-0.620545	0.431	-.234	0.02	0.02	0.01	0.02	0.03
OCT 31	53674	0.07020	0.39938	-0.624574	0.253	-.097	0.02	0.02	0.02	0.04	0.05
NOV 5	53679	0.07316	0.39629	-0.628096	0.297	-.344	0.01	0.02	0.02	0.04	0.04
NOV 10	53684	0.07220	0.39437	-0.630264	0.414	-.016	0.02	0.02	0.01	0.04	0.04
NOV 15	53689	0.06907	0.39190	-0.636924	-	-	0.02	0.02	0.02	-	-
NOV 20	53694	0.06809	0.39188	-0.639004	-	-	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		
2005 MJD	s	(microrad/s)		
OCT 1	53644	0.00036	72.921	15116
OCT 6	53649	0.00037		15115
OCT 11	53654	0.00044		15109
OCT 16	53659	0.00044		15109
OCT 21	53664	0.00068		15089
OCT 26	53669	0.00058		15097
OCT 31	53674	0.00073		15085
NOV 5	53679	0.00067		15091

5 - INFORMATION ON TIME SCALES

A leap second will be introduced in UTC on 31 December 2005.
 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

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						
	x	y	UT	D	dX	dY	Data Number

VLBI

EOP(AUS) 1 R 1	0.08	0.08	0.03	-	-	-	13
53647.21 to 53692.27	0.20	0.20	0.07	-	-	-	
EOP(BKG) 3 R 4	0.12	0.10	0.04	-	-	-	12
53647.21 to 53685.27	0.29	0.29	0.09	-	-	-	
EOP(BKG) 3 R 2	-	-	0.11	-	-	-	45
53646.79 to 53696.79	-	-	0.14	-	-	-	
EOP(USNO) 5 R 1	-	-	0.13	-	-	-	47
53646.79 to 53696.79	-	-	0.17	-	-	-	
EOP(GSFC) 4 R 2	0.09	0.08	0.03	-	-	-	13
53647.21 to 53692.27	0.15	0.07	0.10	-	-	-	
EOP(GSFC) 4 R 1	-	-	0.13	-	-	-	45
53646.79 to 53696.79	-	-	0.20	-	-	-	
EOP(IAA) 5 R 2	0.08	0.07	0.03	-	0.13	0.05	12
53647.21 to 53685.27	0.14	0.16	0.07	-	0.21	0.06	
EOP(IAA) 5 R 1	-	-	0.13	-	-	-	45
53646.79 to 53696.79	-	-	0.14	-	-	-	
EOP(SPBU) 3 R 3	0.24	0.32	0.14	-	-	-	11
53647.21 to 53685.27	0.13	0.13	0.09	-	-	-	
EOP(SPBU) 2 R 1	-	-	0.13	-	-	-	43
53646.79 to 53695.79	-	-	0.14	-	-	-	
EOP(MAO) 3 R 1	0.10	0.09	0.03	-	0.17	0.07	11
53647.21 to 53685.33	0.24	0.26	0.08	-	0.42	0.21	
EOP(USNO) 5 R 2	0.08	0.07	0.03	-	-	-	13
53647.21 to 53692.27	0.16	0.17	0.09	-	-	-	
EOP(IVS) 0 R 1	0.07	0.07	0.02	-	-	-	12
53647.00 to 53685.00	0.20	0.19	0.19	-	-	-	

GPS

EOP(CODE) 98 P 1	0.01	0.01	-	0.07	-	-	53
53644.50 to 53696.50	0.05	0.05	-	0.20	-	-	
EOP(EMR) 96 P 3	0.03	0.03	-	0.04	-	-	53
53644.50 to 53696.50	0.06	0.06	-	0.46	-	-	
EOP(ESOC) 96 P 1	0.01	0.01	-	0.05	-	-	53
53644.50 to 53696.50	0.05	0.07	-	0.40	-	-	
EOP(GFZ) 96 P 2	0.01	0.01	-	0.02	-	-	53
53644.50 to 53696.50	0.06	0.05	-	0.27	-	-	
EOP(IAA) 1 P 1	0.03	0.03	-	0.06	-	-	53
53644.50 to 53696.50	0.18	0.20	-	0.66	-	-	
EOP(JPL) 96 P 3	0.02	0.02	-	0.14	-	-	50
53644.50 to 53693.50	0.05	0.06	-	0.26	-	-	
EOP(NOAA) 96 P 1	0.00	0.00	-	0.02	-	-	53
53644.50 to 53696.50	0.10	0.12	-	0.40	-	-	
EOP(SIO) 96 P 1	0.06	0.06	-	0.14	-	-	53
53644.50 to 53696.50	0.07	0.08	-	0.30	-	-	
EOP(IGS F)95 P 2	0.02	0.01	0.09	0.06	-	-	43
53644.50 to 53686.50	0.04	0.10	0.33	0.21	-	-	
EOP(IGS R)96 P 2	0.04	0.04	0.20	0.07	-	-	53
53644.50 to 53696.50	0.07	0.07	0.63	0.20	-	-	
EOP(IERS) 97 P 1	0.03	0.04	0.15	0.11	-	-	53
53644.50 to 53696.50	0.03	0.03	0.20	0.17	-	-	

SLR

EOP(ASI) 3 L 2	0.06	0.07	-	0.15	-	-	53
53644.50 to 53696.50	0.16	0.23	-	0.62	-	-	
EOP(DUT) 98 L 1	0.09	0.09	-	-	-	-	54
53644.00 to 53697.00	0.45	0.46	-	-	-	-	
EOP(IAA) 2 L 1	0.03	0.04	0.02	0.02	-	-	54

53644.00 to 53697.00	0.17	0.17	0.34	0.13	-	-	
EOP(MCC) 97 L 1	0.04	0.05	-	0.10	-	-	54
53644.00 to 53697.00	0.15	0.13	-	0.54	-	-	
EOP(ILRS) 5 L 1	0.06	0.07	-	0.13	-	-	46
53644.50 to 53696.50	0.12	0.18	-	0.37	-	-	
Bulletin A							
EOP(NEOS) 97 C 1	0.05	0.07	0.08	-	-	-	54
53644.00 to 53697.00	0.08	0.12	0.31	-	-	-	