

=====
 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.

=====
 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.

NOV 5	53679	0.07316	0.39628	-0.628071	-32.628071	0.27	-0.24
NOV 10	53684	0.07220	0.39438	-0.631300	-32.631300	0.35	0.02
NOV 15	53689	0.06911	0.39192	-0.635273	-32.635273	0.26	-0.04
NOV 20	53694	0.06806	0.39178	-0.639044	-32.639044	0.47	-0.18
NOV 25	53699	0.06618	0.38783	-0.642913	-32.642913	0.03	0.01
NOV 30	53704	0.06916	0.38876	-0.646117	-32.646117	0.08	-0.30
DEC 5	53709	0.06645	0.39063	-0.648796	-32.648796	0.42	-0.24

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

DEC 10	53714	0.06538	0.38969	-0.650521	-32.650521	0.23	-0.21
DEC 15	53719	0.06416	0.38751	-0.652799	-32.652799	0.24	-0.16
DEC 20	53724	0.06389	0.38907	-0.655714	-32.655714	0.46	-0.45
DEC 25	53729	0.06066	0.38697	-0.658774	-32.658774	0.00	0.00
DEC 30	53734	0.05485	0.38466	-0.661379	-32.661379	0.00	0.00
JAN 4	53739	0.05042	0.38180	0.336544	-32.663456	0.00	0.00
JAN 9	53744	0.04796	0.37867	0.334064	-32.665936	0.00	0.00
JAN 14	53749	0.04638	0.37571	0.331471	-32.668529	0.00	0.00
JAN 19	53754	0.04541	0.37290	0.328770	-32.671230	0.00	0.00
JAN 24	53759	0.04465	0.37026	0.325916	-32.674084	0.00	0.00
JAN 29	53764	0.04397	0.36777	0.322910	-32.677090	0.00	0.00
FEB 3	53769	0.04330	0.36543	0.319721	-32.680279	0.00	0.00
FEB 8	53774	0.04262	0.36324	0.316341	-32.683659	0.00	0.00
FEB 13	53779	0.04191	0.36120	0.312748	-32.687252	0.00	0.00
FEB 18	53784	0.04117	0.35930	0.308933	-32.691067	0.00	0.00
FEB 23	53789	0.04041	0.35754	0.304897	-32.695103	0.00	0.00

FEB 28 53794 0.03963 0.35592 0.300663 -32.699337 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.

IERS, B 215 (2)

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"	
NOV	5	53679	0.07316	0.39628	-0.628097	-0.027	0.224	0.27	-0.24
NOV	6	53680	0.07300	0.39582	-0.628281	0.442	0.148	0.31	-0.28
NOV	7	53681	0.07274	0.39528	-0.628440	0.893	0.205	0.35	-0.24
NOV	8	53682	0.07257	0.39490	-0.628731	1.197	0.424	0.35	-0.12
NOV	9	53683	0.07252	0.39470	-0.629311	1.259	0.764	0.35	-0.02
NOV	10	53684	0.07220	0.39438	-0.630263	1.037	1.127	0.35	0.02
NOV	11	53685	0.07159	0.39372	-0.631545	0.560	1.391	0.37	0.01
NOV	12	53686	0.07090	0.39313	-0.633004	-0.080	1.477	0.40	-0.02
NOV	13	53687	0.07009	0.39284	-0.634450	-0.747	1.415	0.40	-0.04
NOV	14	53688	0.06928	0.39246	-0.635789	-1.300	1.240	0.34	-0.03
NOV	15	53689	0.06911	0.39192	-0.636900	-1.627	0.977	0.26	-0.04
NOV	16	53690	0.06960	0.39185	-0.637736	-1.675	0.679	0.21	-0.06
NOV	17	53691	0.06977	0.39238	-0.638272	-1.457	0.418	0.26	-0.08
NOV	18	53692	0.06941	0.39249	-0.638601	-1.035	0.234	0.37	-0.09
NOV	19	53693	0.06890	0.39209	-0.638774	-0.501	0.183	0.46	-0.11
NOV	20	53694	0.06806	0.39178	-0.638998	0.047	0.269	0.47	-0.18
NOV	21	53695	0.06692	0.39128	-0.639336	0.525	0.397	0.39	-0.24
NOV	22	53696	0.06590	0.39036	-0.639809	0.872	0.533	0.29	-0.22
NOV	23	53697	0.06529	0.38916	-0.640410	1.050	0.674	0.20	-0.14
NOV	24	53698	0.06539	0.38819	-0.641156	1.049	0.814	0.12	-0.03
NOV	25	53699	0.06618	0.38783	-0.642030	0.884	0.937	0.03	0.01
NOV	26	53700	0.06705	0.38789	-0.643013	0.592	1.025	-0.02	-0.08
NOV	27	53701	0.06773	0.38784	-0.644058	0.231	1.044	-0.03	-0.20
NOV	28	53702	0.06848	0.38783	-0.645075	-0.127	0.963	0.00	-0.28
NOV	29	53703	0.06902	0.38823	-0.645958	-0.402	0.792	0.03	-0.29
NOV	30	53704	0.06916	0.38876	-0.646637	-0.520	0.574	0.08	-0.30
DEC	1	53705	0.06899	0.38914	-0.647098	-0.432	0.354	0.16	-0.29
DEC	2	53706	0.06854	0.38950	-0.647355	-0.144	0.183	0.27	-0.26
DEC	3	53707	0.06782	0.38994	-0.647496	0.280	0.105	0.37	-0.20
DEC	4	53708	0.06705	0.39032	-0.647610	0.722	0.104	0.42	-0.19
DEC	5	53709	0.06645	0.39063	-0.647748	1.047	0.189	0.42	-0.24
DEC	6	53710	0.06619	0.39079	-0.648016	1.143	0.398	0.39	-0.26
DEC	7	53711	0.06619	0.39079	-0.648550	0.961	0.661	0.33	-0.28
DEC	8	53712	0.06622	0.39062	-0.649318	0.524	0.878	0.28	-0.27
DEC	9	53713	0.06603	0.39025	-0.650267	-0.077	0.982	0.24	-0.25
DEC	10	53714	0.06538	0.38969	-0.651237	-0.716	0.947	0.23	-0.21
DEC	11	53715	0.06436	0.38891	-0.652120	-1.261	0.831	0.25	-0.17
DEC	12	53716	0.06347	0.38812	-0.652872	-1.608	0.673	0.28	-0.16
DEC	13	53717	0.06314	0.38764	-0.653456	-1.700	0.467	0.27	-0.16
DEC	14	53718	0.06344	0.38741	-0.653814	-1.534	0.237	0.24	-0.17
DEC	15	53719	0.06416	0.38751	-0.653953	-1.155	0.081	0.24	-0.16
DEC	16	53720	0.06477	0.38796	-0.654006	-0.643	0.027	0.30	-0.13
DEC	17	53721	0.06505	0.38861	-0.654038	-0.091	0.043	0.38	-0.17
DEC	18	53722	0.06516	0.38906	-0.654118	0.414	0.127	0.45	-0.30
DEC	19	53723	0.06488	0.38918	-0.654311	0.804	0.276	0.47	-0.42
DEC	20	53724	0.06389	0.38907	-0.654680	1.034	0.467	0.46	-0.45
DEC	21	53725	0.06285	0.38839	-0.655247	1.089	0.651	0.00	0.00
DEC	22	53726	0.06241	0.38762	-0.655974	0.981	0.792	0.00	0.00
DEC	23	53727	0.06185	0.38744	-0.656816	0.741	0.896	0.00	0.00
DEC	24	53728	0.06125	0.38712	-0.657746	0.422	0.947	0.00	0.00
DEC	25	53729	0.06066	0.38697	-0.658687	0.087	0.922	0.00	0.00
DEC	26	53730	0.05952	0.38702	-0.659566	-0.194	0.817	0.00	0.00
DEC	27	53731	0.05820	0.38687	-0.660299	-0.353	0.628	0.00	0.00
DEC	28	53732	0.05720	0.38629	-0.660780	-0.332	0.400	0.00	0.00
DEC	29	53733	0.05590	0.38549	-0.661039	-0.114	0.192	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"		
NOV 5	53679	0.07316	0.39630	-0.628098	0.325	-.344	0.01	0.02	0.02	0.04	0.04
NOV 10	53684	0.07220	0.39436	-0.630266	0.358	0.024	0.02	0.02	0.02	0.04	0.05
NOV 15	53689	0.06912	0.39190	-0.636903	0.247	-.036	0.02	0.02	0.02	0.04	0.05
NOV 20	53694	0.06805	0.39178	-0.638998	0.468	-.171	0.02	0.01	0.01	0.02	0.02
NOV 25	53699	0.06618	0.38783	-0.642029	0.121	-.092	0.02	0.02	0.01	0.03	0.03
NOV 30	53704	0.06916	0.38876	-0.646637	0.088	-.325	0.01	0.01	0.01	0.02	0.02
DEC 5	53709	0.06647	0.39062	-0.647745	0.414	-.162	0.02	0.02	0.01	0.03	0.04
DEC 10	53714	0.06538	0.38969	-0.651239	0.208	-.242	0.01	0.01	0.01	0.03	0.03
DEC 15	53719	0.06417	0.38751	-0.653955	0.269	-.150	0.01	0.01	0.02	0.02	0.02
DEC 20	53724	0.06388	0.38907	-0.654678	0.546	-.530	0.02	0.02	0.02	0.07	0.08
DEC 25	53729	0.06066	0.38697	-0.658684	-	-	0.02	0.02	0.07	-	-

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)		
NOV 5	53679	0.00067	72.921	15091
NOV 10	53684	0.00077		15082
NOV 15	53689	0.00079		15080
NOV 20	53694	0.00080		15079
NOV 25	53699	0.00071		15087
NOV 30	53704	0.00056		15099
DEC 5	53709	0.00042		15111

5 - INFORMATION ON TIME SCALES

A leap second was 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 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						Data Number
	Weighted RMS agreement with Bulletin B						
Periods covered	x	y	UT	D	dX	dY	
VLBI							

EOP(AUS)	1	R	1	0.07	0.07	0.03	-	-	-	11
53682.20 to 53717.21				0.18	0.18	0.06	-	-	-	
EOP(BKG)	3	R	4	0.12	0.12	0.04	-	-	-	13
53682.20 to 53724.20				0.24	0.21	0.11	-	-	-	
EOP(BKG)	3	R	2	-	-	0.09	-	-	-	44
53679.32 to 53731.79				-	-	0.08	-	-	-	
EOP(USNO)	5	R	1	-	-	0.13	-	-	-	45
53679.32 to 53726.79				-	-	0.12	-	-	-	
EOP(GSFC)	4	R	2	0.08	0.08	0.03	-	-	-	13
53682.20 to 53724.20				0.14	0.11	0.09	-	-	-	
EOP(GSFC)	4	R	1	-	-	0.09	-	-	-	44
53679.32 to 53731.79				-	-	0.14	-	-	-	
EOP(IAA)	5	R	2	0.07	0.07	0.03	-	0.12	0.05	11
53682.20 to 53717.21				0.12	0.14	0.05	-	0.14	0.05	
EOP(IAA)	5	R	1	-	-	0.09	-	-	-	43
53679.32 to 53731.79				-	-	0.10	-	-	-	
EOP(SPBU)	3	R	3	0.26	0.33	0.16	-	-	-	10
53682.20 to 53717.21				0.11	0.14	0.04	-	-	-	
EOP(SPBU)	2	R	1	-	-	0.10	-	-	-	42
53679.32 to 53726.79				-	-	0.11	-	-	-	
EOP(MAO)	3	R	1	0.11	0.10	0.04	-	0.18	0.07	11
53682.25 to 53717.22				0.15	0.23	0.06	-	0.28	0.15	
EOP(USNO)	5	R	2	0.09	0.08	0.03	-	-	-	13
53682.20 to 53724.20				0.12	0.13	0.08	-	-	-	
EOP(IVS)	0	R	1	0.05	0.05	0.02	-	-	-	11
53682.00 to 53717.00				0.16	0.22	0.05	-	-	-	
GPS										
EOP(CODE)	98	P	1	0.01	0.01	-	0.06	-	-	54
53679.50 to 53732.50				0.05	0.05	-	0.21	-	-	
EOP(EMR)	96	P	3	0.03	0.03	-	0.04	-	-	50
53679.50 to 53728.50				0.08	0.07	-	0.37	-	-	
EOP(ESOC)	96	P	1	0.01	0.01	-	0.04	-	-	54
53679.50 to 53732.50				0.06	0.08	-	0.46	-	-	
EOP(GFZ)	96	P	2	0.01	0.01	-	0.02	-	-	54
53679.50 to 53732.50				0.06	0.04	-	0.23	-	-	
EOP(IAA)	1	P	1	0.03	0.03	-	0.06	-	-	54
53679.50 to 53732.50				0.15	0.18	-	0.51	-	-	
EOP(JPL)	96	P	3	0.02	0.02	-	0.11	-	-	43
53679.50 to 53721.50				0.04	0.06	-	0.27	-	-	
EOP(NOAA)	96	P	1	0.01	0.01	-	0.02	-	-	44
53679.50 to 53722.50				0.09	0.09	-	0.32	-	-	
EOP(SIO)	96	P	1	0.07	0.08	-	0.18	-	-	51
53679.50 to 53729.50				0.06	0.08	-	0.26	-	-	
EOP(IGS F)	95	P	2	0.02	0.02	0.07	0.06	-	-	43
53679.50 to 53721.50				0.03	0.10	0.21	0.20	-	-	
EOP(IGS R)	96	P	2	0.04	0.04	0.17	0.06	-	-	54
53679.50 to 53732.50				0.06	0.09	0.51	0.20	-	-	
EOP(IERS)	97	P	1	0.03	0.03	0.16	0.11	-	-	54
53679.50 to 53732.50				0.03	0.03	0.33	0.31	-	-	
SLR										
EOP(ASI)	3	L	2	0.07	0.07	-	0.16	-	-	53
53679.50 to 53731.50				0.22	0.19	-	0.52	-	-	
EOP(DUT)	98	L	1	0.10	0.09	-	-	-	-	43
53679.00 to 53728.00				0.52	0.47	-	-	-	-	
EOP(IAA)	2	L	1	0.04	0.04	0.02	0.02	-	-	55
53679.00 to 53733.00				0.19	0.17	0.31	0.14	-	-	

EOP(MCC) 97 L 1	0.04	0.05	-	0.10	-	-	53
53679.00 to 53731.00	0.15	0.19	-	0.43	-	-	
EOP(ILRS) 5 L 1	4.56	4.83	-	0.21	-	-	43
53679.50 to 53728.50	0.13	0.53	-	0.48	-	-	
Bulletin A							
EOP(NEOS) 97 C 1	0.06	0.07	0.06	-	-	-	55
53679.00 to 53733.00	0.06	0.12	0.14	-	-	-	