

=====
 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.

=====
 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 2008 (0h UTC)	MJD	x "	y "	UT1R-UTC s	UT1R-TAI s	dX 0.001"	dY 0.001"
--------------------------	-----	--------	--------	---------------	---------------	--------------	--------------

Final Bulletin B values.

MAR	4	54529	-0.11813	0.41593	-0.333867	-33.333867	0.34	-0.12
MAR	9	54534	-0.11192	0.42939	-0.338239	-33.338239	0.17	-0.05
MAR	14	54539	-0.10486	0.44327	-0.342704	-33.342704	0.28	-0.05
MAR	19	54544	-0.09409	0.45795	-0.347300	-33.347300	0.36	-0.10
MAR	24	54549	-0.08073	0.47314	-0.352855	-33.352855	0.08	0.01
MAR	29	54554	-0.07063	0.48499	-0.359231	-33.359231	0.42	-0.14
APR	3	54559	-0.05898	0.49360	-0.365195	-33.365195	0.27	-0.17

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

APR	8	54564	-0.04512	0.50246	-0.371075	-33.371075	0.14	0.09
APR	13	54569	-0.03418	0.51187	-0.376015	-33.376015	0.44	-0.22
APR	18	54574	-0.02032	0.51736	-0.380831	-33.380831	0.02	-0.04
APR	23	54579	-0.00510	0.52742	-0.386494	-33.386494	0.02	-0.04
APR	28	54584	0.01432	0.53175	-0.393644	-33.393644	0.00	0.00
MAY	3	54589	0.03376	0.53822	-0.400107	-33.400107	0.00	0.00
MAY	8	54594	0.05288	0.54185	-0.406297	-33.406297	0.00	0.00
MAY	13	54599	0.07002	0.54611	-0.412218	-33.412218	0.00	0.00
MAY	18	54604	0.08855	0.54852	-0.417872	-33.417872	0.00	0.00
MAY	23	54609	0.10453	0.54893	-0.423169	-33.423169	0.00	0.00
MAY	28	54614	0.12070	0.54895	-0.428076	-33.428076	0.00	0.00
JUN	2	54619	0.13731	0.54712	-0.432618	-33.432618	0.00	0.00
JUN	7	54624	0.15082	0.54391	-0.436730	-33.436730	0.00	0.00
JUN	12	54629	0.16480	0.54039	-0.440412	-33.440412	0.00	0.00
JUN	17	54634	0.18000	0.53407	-0.443670	-33.443670	0.00	0.00
JUN	22	54639	0.19315	0.52604	-0.446471	-33.446471	0.00	0.00

JUN	27	54644	0.20786	0.51881	-0.448885	-33.448885	0.00	0.00
JUL	2	54649	0.22166	0.51030	-0.450934	-33.450934	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 243 (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 2006 IERS Annual Report.

2008		MJD	x	y	UT1-UTC	UT1-UT1R	D	dX	dY
(0 h UTC)		"	"	"	s	ms	ms	0.001"	0.001"
MAR	4	54529	-0.11813	0.41593	-0.332241	1.626	0.595	0.34	-0.12
MAR	5	54530	-0.11701	0.41898	-0.332980	1.748	0.890	0.31	-0.10
MAR	6	54531	-0.11570	0.42180	-0.333992	1.601	1.162	0.28	-0.09
MAR	7	54532	-0.11475	0.42436	-0.335261	1.191	1.387	0.23	-0.08
MAR	8	54533	-0.11341	0.42672	-0.336779	0.585	1.550	0.18	-0.08
MAR	9	54534	-0.11192	0.42939	-0.338332	-0.092	1.534	0.17	-0.05
MAR	10	54535	-0.11068	0.43180	-0.339821	-0.691	1.362	0.20	-0.02
MAR	11	54536	-0.10934	0.43448	-0.341048	-1.077	1.097	0.27	0.01
MAR	12	54537	-0.10800	0.43758	-0.342079	-1.181	0.811	0.30	0.00
MAR	13	54538	-0.10654	0.44044	-0.342831	-1.007	0.588	0.30	-0.03
MAR	14	54539	-0.10486	0.44327	-0.343341	-0.637	0.459	0.28	-0.05
MAR	15	54540	-0.10300	0.44605	-0.343759	-0.190	0.451	0.27	-0.03
MAR	16	54541	-0.10092	0.44895	-0.344279	0.205	0.568	0.30	0.01
MAR	17	54542	-0.09857	0.45210	-0.344923	0.448	0.776	0.34	0.03
MAR	18	54543	-0.09631	0.45512	-0.345807	0.486	1.017	0.36	0.00
MAR	19	54544	-0.09409	0.45795	-0.346982	0.318	1.253	0.36	-0.10
MAR	20	54545	-0.09154	0.46091	-0.348309	-0.007	1.391	0.28	-0.20
MAR	21	54546	-0.08888	0.46389	-0.349700	-0.407	1.458	0.17	-0.24
MAR	22	54547	-0.08615	0.46702	-0.351237	-0.791	1.467	0.06	-0.19
MAR	23	54548	-0.08334	0.47023	-0.352664	-1.076	1.422	0.03	-0.08
MAR	24	54549	-0.08073	0.47314	-0.354055	-1.201	1.305	0.08	0.01
MAR	25	54550	-0.07846	0.47586	-0.355296	-1.136	1.150	0.20	0.05
MAR	26	54551	-0.07625	0.47839	-0.356346	-0.881	0.972	0.32	0.03
MAR	27	54552	-0.07408	0.48069	-0.357225	-0.464	0.789	0.41	-0.04
MAR	28	54553	-0.07221	0.48290	-0.357961	0.063	0.674	0.44	-0.11
MAR	29	54554	-0.07063	0.48499	-0.358596	0.634	0.638	0.42	-0.14
MAR	30	54555	-0.06873	0.48671	-0.359250	1.172	0.715	0.38	-0.12
MAR	31	54556	-0.06655	0.48821	-0.360037	1.595	0.877	0.33	-0.10
APR	1	54557	-0.06447	0.48985	-0.361002	1.829	1.090	0.29	-0.10
APR	2	54558	-0.06200	0.49170	-0.362168	1.813	1.331	0.26	-0.13
APR	3	54559	-0.05898	0.49360	-0.363669	1.526	1.564	0.27	-0.17
APR	4	54560	-0.05609	0.49541	-0.365281	0.997	1.757	0.30	-0.15
APR	5	54561	-0.05362	0.49708	-0.367119	0.321	1.905	0.32	-0.07
APR	6	54562	-0.05089	0.49877	-0.369042	-0.358	1.875	0.29	0.04
APR	7	54563	-0.04791	0.50050	-0.370824	-0.884	1.595	0.22	0.10
APR	8	54564	-0.04512	0.50246	-0.372219	-1.143	1.214	0.14	0.09
APR	9	54565	-0.04293	0.50478	-0.373279	-1.103	0.880	0.12	0.00
APR	10	54566	-0.04110	0.50688	-0.374052	-0.818	0.647	0.18	-0.11
APR	11	54567	-0.03889	0.50868	-0.374630	-0.409	0.535	0.29	-0.18
APR	12	54568	-0.03661	0.51040	-0.375189	-0.015	0.559	0.39	-0.22
APR	13	54569	-0.03418	0.51187	-0.375765	0.250	0.688	0.44	-0.22
APR	14	54570	-0.03159	0.51297	-0.376576	0.326	0.926	0.39	-0.18
APR	15	54571	-0.02903	0.51382	-0.377649	0.206	1.183	0.26	-0.13
APR	16	54572	-0.02645	0.51461	-0.378919	-0.070	1.307	0.02	-0.04
APR	17	54573	-0.02366	0.51567	-0.380275	-0.432	1.356	0.02	-0.04
APR	18	54574	-0.02032	0.51736	-0.381630	-0.799	1.346	0.02	-0.04
APR	19	54575	-0.01697	0.51933	-0.382947	-1.092	1.293	0.02	-0.04
APR	20	54576	-0.01367	0.52160	-0.384160	-1.247	1.177	0.02	-0.04
APR	21	54577	-0.01083	0.52387	-0.385250	-1.225	0.979	0.02	-0.04
APR	22	54578	-0.00843	0.52588	-0.386176	-1.015	0.868	0.02	-0.04
APR	23	54579	-0.00510	0.52742	-0.387129	-0.635	0.990	0.02	-0.04
APR	24	54580	-0.00090	0.52825	-0.388238	-0.131	1.371	0.02	-0.04
APR	25	54581	0.00336	0.52903	-0.389060	0.436	1.676	0.00	0.00
APR	26	54582	0.00735	0.52986	-0.389924	0.993	1.968	0.00	0.00

APR	27	54583	0.01094	0.53075	-0.390835	1.465	2.231	0.00	0.00
APR	28	54584	0.01432	0.53175	-0.391860	1.783	2.486	0.00	0.00
APR	29	54585	0.01782	0.53294	-0.393080	1.888	2.739	0.00	0.00
APR	30	54586	0.02158	0.53434	-0.394528	1.744	2.976	0.00	0.00
MAY	1	54587	0.02563	0.53583	-0.396208	1.352	3.163	0.00	0.00
MAY	2	54588	0.02979	0.53715	-0.398070	0.769	3.251	0.00	0.00
MAY	3	54589	0.03376	0.53822	-0.400001	0.106	3.195	0.00	0.00
MAY	4	54590	0.03750	0.53911	-0.401855	-0.490	2.983	0.00	0.00
MAY	5	54591	0.04142	0.53978	-0.403492	-0.881	2.653	0.00	0.00
MAY	6	54592	0.04547	0.54036	-0.404839	-0.988	2.286	0.00	0.00
MAY	7	54593	0.04926	0.54103	-0.405902	-0.820	1.979	0.00	0.00
MAY	8	54594	0.05288	0.54185	-0.406774	-0.477	1.806	0.00	0.00
MAY	9	54595	0.05653	0.54274	-0.407604	-0.101	1.786	0.00	0.00
MAY	10	54596	0.06006	0.54351	-0.408526	0.171	1.886	0.00	0.00
MAY	11	54597	0.06336	0.54425	-0.409623	0.257	2.040	0.00	0.00
MAY	12	54598	0.06658	0.54517	-0.410911	0.141	2.183	0.00	0.00
MAY	13	54599	0.07002	0.54611	-0.412354	-0.136	2.268	0.00	0.00
MAY	14	54600	0.07382	0.54687	-0.413871	-0.501	2.277	0.00	0.00
MAY	15	54601	0.07780	0.54749	-0.415388	-0.873	2.208	0.00	0.00
MAY	16	54602	0.08150	0.54799	-0.416827	-1.178	2.074	0.00	0.00
MAY	17	54603	0.08500	0.54836	-0.418122	-1.355	1.891	0.00	0.00
MAY	18	54604	0.08855	0.54852	-0.419237	-1.365	1.680	0.00	0.00
MAY	19	54605	0.09198	0.54855	-0.420154	-1.191	1.468	0.00	0.00
MAY	20	54606	0.09531	0.54861	-0.420881	-0.844	1.282	0.00	0.00
MAY	21	54607	0.09845	0.54868	-0.421459	-0.362	1.147	0.00	0.00
MAY	22	54608	0.10146	0.54877	-0.421946	0.197	1.080	0.00	0.00
MAY	23	54609	0.10453	0.54893	-0.422406	0.763	1.087	0.00	0.00
MAY	24	54610	0.10761	0.54916	-0.422920	1.262	1.166	0.00	0.00
MAY	25	54611	0.11062	0.54926	-0.423551	1.628	1.308	0.00	0.00
MAY	26	54612	0.11372	0.54918	-0.424353	1.807	1.496	0.00	0.00
MAY	27	54613	0.11710	0.54912	-0.425361	1.766	1.706	0.00	0.00
MAY	28	54614	0.12070	0.54895	-0.426577	1.499	1.905	0.00	0.00
MAY	29	54615	0.12445	0.54857	-0.427977	1.039	2.050	0.00	0.00
MAY	30	54616	0.12809	0.54819	-0.429476	0.463	2.096	0.00	0.00
MAY	31	54617	0.13138	0.54782	-0.430960	-0.111	2.011	0.00	0.00
JUN	1	54618	0.13436	0.54746	-0.432294	-0.552	1.801	0.00	0.00
JUN	2	54619	0.13731	0.54712	-0.433377	-0.759	1.516	0.00	0.00
JUN	3	54620	0.14020	0.54664	-0.434177	-0.697	1.242	0.00	0.00
JUN	4	54621	0.14289	0.54596	-0.434745	-0.423	1.065	0.00	0.00
JUN	5	54622	0.14549	0.54523	-0.435206	-0.064	1.036	0.00	0.00
JUN	6	54623	0.14809	0.54453	-0.435711	0.233	1.148	0.00	0.00
JUN	7	54624	0.15082	0.54391	-0.436379	0.351	1.344	0.00	0.00
JUN	8	54625	0.15367	0.54335	-0.437246	0.248	1.545	0.00	0.00
JUN	9	54626	0.15635	0.54282	-0.438293	-0.046	1.686	0.00	0.00
JUN	10	54627	0.15901	0.54218	-0.439436	-0.451	1.734	0.00	0.00
JUN	11	54628	0.16186	0.54136	-0.440579	-0.873	1.689	0.00	0.00
JUN	12	54629	0.16480	0.54039	-0.441638	-1.226	1.569	0.00	0.00
JUN	13	54630	0.16788	0.53925	-0.442549	-1.448	1.397	0.00	0.00
JUN	14	54631	0.17103	0.53808	-0.443270	-1.501	1.199	0.00	0.00
JUN	15	54632	0.17408	0.53684	-0.443790	-1.368	0.995	0.00	0.00
JUN	16	54633	0.17709	0.53545	-0.444115	-1.058	0.811	0.00	0.00
JUN	17	54634	0.18000	0.53407	-0.444271	-0.601	0.671	0.00	0.00
JUN	18	54635	0.18285	0.53256	-0.444318	-0.053	0.594	0.00	0.00
JUN	19	54636	0.18568	0.53093	-0.444325	0.517	0.592	0.00	0.00
JUN	20	54637	0.18835	0.52936	-0.444365	1.035	0.665	0.00	0.00
JUN	21	54638	0.19079	0.52772	-0.444514	1.431	0.801	0.00	0.00
JUN	22	54639	0.19315	0.52604	-0.444820	1.651	0.981	0.00	0.00
JUN	23	54640	0.19579	0.52449	-0.445318	1.664	1.181	0.00	0.00
JUN	24	54641	0.19878	0.52304	-0.446010	1.466	1.369	0.00	0.00
JUN	25	54642	0.20192	0.52164	-0.446872	1.088	1.509	0.00	0.00
JUN	26	54643	0.20500	0.52022	-0.447835	0.594	1.569	0.00	0.00
JUN	27	54644	0.20786	0.51881	-0.448806	0.079	1.523	0.00	0.00
JUN	28	54645	0.21052	0.51733	-0.449671	-0.348	1.366	0.00	0.00
JUN	29	54646	0.21317	0.51563	-0.450338	-0.586	1.127	0.00	0.00
JUN	30	54647	0.21595	0.51392	-0.450745	-0.584	0.867	0.00	0.00
JUL	1	54648	0.21883	0.51216	-0.450916	-0.361	0.666	0.00	0.00
JUL	2	54649	0.22166	0.51030	-0.450943	-0.009	0.590	0.00	0.00

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

Raw normal values							Uncertainties				
2008	MJD	x	y	UT1-UTC	dX	dY	x	y	UT1	dX	dY
(0 h UTC)		"	"	s	0.001"		0.001"	0.0001s	0.001"		
MAR 4	54529	-0.11814	0.41593	-0.332232	0.331	-.122	0.01	0.01	0.01	0.01	0.03
MAR 9	54534	-0.11193	0.42938	-0.338328	0.164	-.081	0.01	0.01	0.01	0.04	0.09
MAR 14	54539	-0.10487	0.44326	-0.343340	0.280	-.093	0.01	0.01	0.01	0.02	0.03
MAR 19	54544	-0.09410	0.45794	-0.346978	0.360	-.077	0.01	0.01	0.01	0.01	0.02
MAR 24	54549	-0.08074	0.47313	-0.354053	0.077	0.079	0.01	0.01	0.01	0.01	0.03
MAR 29	54554	-0.07064	0.48497	-0.358598	0.353	-.069	0.01	0.01	0.01	0.02	0.03
APR 3	54559	-0.05899	0.49359	-0.363670	0.258	-.196	0.01	0.01	0.01	0.01	0.03
APR 8	54564	-0.04513	0.50245	-0.372210	0.065	0.122	0.02	0.02	0.01	0.03	0.06
APR 13	54569	-0.03419	0.51184	-0.375768	-	-	0.01	0.01	0.02	-	-
APR 18	54574	-0.02034	0.51733	-0.381610	-	-	0.03	0.03	0.04	-	-

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
2008 MJD	s	(microrad/s)
MAR 4 54529	0.00085	72.921 15075
MAR 9 54534	0.00088	15073
MAR 14 54539	0.00089	15071
MAR 19 54544	0.00100	15062
MAR 24 54549	0.00128	15039
MAR 29 54554	0.00121	15044
APR 3 54559	0.00115	15050

5 - INFORMATION ON TIME SCALES

No leap second will be introduced in UTC on 30 June 2008
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