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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 2008 (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.

MAY	3	54589	0.02442	0.53775	-0.397722	-33.397722	0.34	-0.32
MAY	8	54594	0.03976	0.53992	-0.404073	-33.404073	0.43	-0.04
MAY	13	54599	0.05282	0.54261	-0.410337	-33.410337	0.35	-0.22
MAY	18	54604	0.07143	0.54273	-0.416630	-33.416630	0.14	0.04
MAY	23	54609	0.08819	0.54157	-0.421804	-33.421804	0.27	-0.41
MAY	28	54614	0.10752	0.54149	-0.425513	-33.425513	0.16	-0.32
JUN	2	54619	0.12262	0.53930	-0.428922	-33.428922	0.39	-0.16

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

JUN	7	54624	0.13988	0.53384	-0.432252	-33.432252	0.14	-0.35
JUN	12	54629	0.15708	0.52773	-0.434966	-33.434966	0.26	0.19
JUN	17	54634	0.17247	0.52065	-0.437464	-33.437464	0.30	-0.27
JUN	22	54639	0.18704	0.51290	-0.439744	-33.439744	0.02	-0.04
JUN	27	54644	0.20190	0.50586	-0.442135	-33.442135	0.02	-0.04
JUL	2	54649	0.21693	0.49615	-0.444230	-33.444230	0.00	0.00
JUL	7	54654	0.22864	0.48635	-0.445873	-33.445873	0.00	0.00
JUL	12	54659	0.23668	0.47509	-0.447241	-33.447241	0.00	0.00
JUL	17	54664	0.24540	0.46106	-0.448342	-33.448342	0.00	0.00
JUL	22	54669	0.25471	0.44809	-0.449239	-33.449239	0.00	0.00
JUL	27	54674	0.26263	0.43407	-0.450033	-33.450033	0.00	0.00
AUG	1	54679	0.26775	0.41981	-0.450724	-33.450724	0.00	0.00
AUG	6	54684	0.27117	0.40454	-0.451403	-33.451403	0.00	0.00
AUG	11	54689	0.27413	0.38921	-0.452130	-33.452130	0.00	0.00
AUG	16	54694	0.27430	0.37404	-0.452928	-33.452928	0.00	0.00
AUG	21	54699	0.27523	0.35891	-0.453903	-33.453903	0.00	0.00

AUG	26	54704	0.27446	0.34256	-0.455108	-33.455108	0.00	0.00
AUG	31	54709	0.27354	0.32601	-0.456561	-33.456561	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.

2008		MJD	x	y	UT1-UTC	UT1-UT1R	D	dX	dY
(0 h UTC)			"	"	s	ms	ms	0.001"	0.001"
MAY	3	54589	0.02442	0.53775	-0.397616	0.106	1.860	0.34	-0.32
MAY	4	54590	0.02707	0.53836	-0.399470	-0.490	1.807	0.32	-0.34
MAY	5	54591	0.02998	0.53861	-0.401151	-0.881	1.576	0.33	-0.30
MAY	6	54592	0.03350	0.53880	-0.402576	-0.988	1.253	0.36	-0.22
MAY	7	54593	0.03688	0.53934	-0.403656	-0.820	0.952	0.41	-0.12
MAY	8	54594	0.03976	0.53992	-0.404550	-0.477	0.815	0.43	-0.04
MAY	9	54595	0.04247	0.54071	-0.405429	-0.101	0.875	0.40	-0.01
MAY	10	54596	0.04481	0.54152	-0.406369	0.171	1.025	0.33	-0.04
MAY	11	54597	0.04730	0.54188	-0.407453	0.257	1.270	0.29	-0.10
MAY	12	54598	0.05001	0.54230	-0.408895	0.141	1.498	0.29	-0.17
MAY	13	54599	0.05282	0.54261	-0.410473	-0.136	1.632	0.35	-0.22
MAY	14	54600	0.05636	0.54268	-0.412142	-0.501	1.684	0.41	-0.25
MAY	15	54601	0.06024	0.54269	-0.413802	-0.873	1.631	0.42	-0.22
MAY	16	54602	0.06413	0.54269	-0.415405	-1.178	1.526	0.36	-0.13
MAY	17	54603	0.06795	0.54271	-0.416836	-1.355	1.318	0.24	-0.02
MAY	18	54604	0.07143	0.54273	-0.417995	-1.365	1.097	0.14	0.04
MAY	19	54605	0.07458	0.54277	-0.419042	-1.191	0.893	0.10	0.01
MAY	20	54606	0.07767	0.54271	-0.419816	-0.844	0.644	0.14	-0.11
MAY	21	54607	0.08092	0.54243	-0.420360	-0.362	0.453	0.22	-0.24
MAY	22	54608	0.08433	0.54194	-0.420779	0.197	0.329	0.29	-0.35
MAY	23	54609	0.08819	0.54157	-0.421041	0.763	0.280	0.27	-0.41
MAY	24	54610	0.09222	0.54154	-0.421321	1.262	0.339	0.14	-0.45
MAY	25	54611	0.09609	0.54138	-0.421725	1.628	0.497	0.01	-0.49
MAY	26	54612	0.10002	0.54134	-0.422299	1.807	0.697	-0.07	-0.50
MAY	27	54613	0.10378	0.54157	-0.423054	1.766	0.858	0.01	-0.46
MAY	28	54614	0.10752	0.54149	-0.424014	1.499	1.016	0.16	-0.32
MAY	29	54615	0.11124	0.54125	-0.425154	1.039	1.176	0.33	-0.13
MAY	30	54616	0.11449	0.54073	-0.426345	0.463	1.275	0.44	0.03
MAY	31	54617	0.11731	0.54014	-0.427578	-0.111	1.227	0.46	0.09
JUN	1	54618	0.11996	0.53982	-0.428745	-0.552	1.042	0.44	-0.01
JUN	2	54619	0.12262	0.53930	-0.429680	-0.759	0.814	0.39	-0.16
JUN	3	54620	0.12563	0.53852	-0.430341	-0.697	0.564	0.33	-0.26
JUN	4	54621	0.12904	0.53746	-0.430770	-0.423	0.369	0.27	-0.24
JUN	5	54622	0.13281	0.53617	-0.431081	-0.064	0.300	0.21	-0.16
JUN	6	54623	0.13646	0.53499	-0.431454	0.233	0.352	0.16	-0.14
JUN	7	54624	0.13988	0.53384	-0.431901	0.351	0.531	0.14	-0.35
JUN	8	54625	0.14325	0.53282	-0.432575	0.248	0.720	0.16	-0.65
JUN	9	54626	0.14656	0.53177	-0.433306	-0.046	0.848	0.21	-0.81
JUN	10	54627	0.15016	0.53056	-0.434256	-0.451	0.982	0.26	-0.66
JUN	11	54628	0.15370	0.52930	-0.435270	-0.873	0.991	0.28	-0.21
JUN	12	54629	0.15708	0.52773	-0.436192	-1.226	0.837	0.26	0.19
JUN	13	54630	0.16059	0.52614	-0.436914	-1.448	0.654	0.22	0.35
JUN	14	54631	0.16389	0.52477	-0.437499	-1.501	0.458	0.19	0.30
JUN	15	54632	0.16680	0.52338	-0.437823	-1.368	0.248	0.18	0.13
JUN	16	54633	0.16960	0.52199	-0.437990	-1.058	0.121	0.21	-0.07
JUN	17	54634	0.17247	0.52065	-0.438066	-0.601	0.028	0.30	-0.27
JUN	18	54635	0.17522	0.51913	-0.438023	-0.053	-0.045	0.54	-0.41
JUN	19	54636	0.17781	0.51749	-0.437937	0.517	-0.066	0.68	-0.45
JUN	20	54637	0.18049	0.51591	-0.437907	1.035	-0.032	0.56	-0.35
JUN	21	54638	0.18365	0.51442	-0.437917	1.431	0.094	0.02	-0.04
JUN	22	54639	0.18704	0.51290	-0.438092	1.651	0.286	0.02	-0.04
JUN	23	54640	0.19031	0.51138	-0.438524	1.664	0.545	0.02	-0.04
JUN	24	54641	0.19343	0.50995	-0.439188	1.466	0.771	0.02	-0.04
JUN	25	54642	0.19651	0.50843	-0.440071	1.088	0.926	0.02	-0.04

JUN	26	54643	0.19948	0.50716	-0.441031	0.594	1.022	0.02	-0.04
JUN	27	54644	0.20190	0.50586	-0.442057	0.079	0.997	0.02	-0.04
JUN	28	54645	0.20425	0.50407	-0.442980	-0.348	0.875	0.02	-0.04
JUN	29	54646	0.20658	0.50212	-0.443760	-0.586	0.698	0.02	-0.04
JUN	30	54647	0.20895	0.49993	-0.444398	-0.584	0.480	0.02	-0.04
JUL	1	54648	0.21075	0.49731	-0.444762	-0.361	0.265	0.02	-0.04
JUL	2	54649	0.21693	0.49615	-0.444239	-0.009	0.081	0.00	0.00
JUL	3	54650	0.21992	0.49419	-0.444257	0.330	0.150	0.00	0.00
JUL	4	54651	0.22270	0.49224	-0.444409	0.522	0.334	0.00	0.00
JUL	5	54652	0.22510	0.49034	-0.444772	0.484	0.562	0.00	0.00
JUL	6	54653	0.22705	0.48839	-0.445356	0.216	0.753	0.00	0.00
JUL	7	54654	0.22864	0.48635	-0.446086	-0.213	0.849	0.00	0.00
JUL	8	54655	0.23021	0.48416	-0.446866	-0.698	0.835	0.00	0.00
JUL	9	54656	0.23183	0.48199	-0.447584	-1.133	0.724	0.00	0.00
JUL	10	54657	0.23329	0.47989	-0.448164	-1.436	0.550	0.00	0.00
JUL	11	54658	0.23486	0.47762	-0.448550	-1.561	0.344	0.00	0.00
JUL	12	54659	0.23668	0.47509	-0.448731	-1.490	0.133	0.00	0.00
JUL	13	54660	0.23855	0.47243	-0.448713	-1.230	-0.059	0.00	0.00
JUL	14	54661	0.24025	0.46983	-0.448524	-0.810	-0.210	0.00	0.00
JUL	15	54662	0.24197	0.46714	-0.448216	-0.282	-0.301	0.00	0.00
JUL	16	54663	0.24376	0.46416	-0.447854	0.288	-0.317	0.00	0.00
JUL	17	54664	0.24540	0.46106	-0.447518	0.825	-0.255	0.00	0.00
JUL	18	54665	0.24705	0.45819	-0.447282	1.252	-0.123	0.00	0.00
JUL	19	54666	0.24889	0.45562	-0.447211	1.510	0.063	0.00	0.00
JUL	20	54667	0.25082	0.45320	-0.447337	1.559	0.274	0.00	0.00
JUL	21	54668	0.25274	0.45075	-0.447677	1.394	0.474	0.00	0.00
JUL	22	54669	0.25471	0.44809	-0.448195	1.044	0.625	0.00	0.00
JUL	23	54670	0.25667	0.44533	-0.448831	0.575	0.696	0.00	0.00
JUL	24	54671	0.25841	0.44253	-0.449484	0.083	0.664	0.00	0.00
JUL	25	54672	0.25996	0.43969	-0.450060	-0.331	0.531	0.00	0.00
JUL	26	54673	0.26137	0.43687	-0.450456	-0.576	0.322	0.00	0.00
JUL	27	54674	0.26263	0.43407	-0.450630	-0.597	0.084	0.00	0.00
JUL	28	54675	0.26369	0.43113	-0.450575	-0.397	-0.117	0.00	0.00
JUL	29	54676	0.26460	0.42817	-0.450364	-0.047	-0.220	0.00	0.00
JUL	30	54677	0.26557	0.42532	-0.450117	0.337	-0.187	0.00	0.00
JUL	31	54678	0.26668	0.42252	-0.449970	0.618	-0.025	0.00	0.00
AUG	1	54679	0.26775	0.41981	-0.450033	0.690	0.216	0.00	0.00
AUG	2	54680	0.26863	0.41696	-0.450343	0.514	0.459	0.00	0.00
AUG	3	54681	0.26919	0.41398	-0.450865	0.125	0.632	0.00	0.00
AUG	4	54682	0.26967	0.41092	-0.451506	-0.381	0.692	0.00	0.00
AUG	5	54683	0.27039	0.40768	-0.452149	-0.885	0.635	0.00	0.00
AUG	6	54684	0.27117	0.40454	-0.452685	-1.282	0.489	0.00	0.00
AUG	7	54685	0.27194	0.40162	-0.453051	-1.503	0.293	0.00	0.00
AUG	8	54686	0.27265	0.39864	-0.453207	-1.518	0.084	0.00	0.00
AUG	9	54687	0.27328	0.39552	-0.453161	-1.327	-0.109	0.00	0.00
AUG	10	54688	0.27383	0.39237	-0.452939	-0.959	-0.264	0.00	0.00
AUG	11	54689	0.27413	0.38921	-0.452592	-0.462	-0.361	0.00	0.00
AUG	12	54690	0.27434	0.38611	-0.452180	0.100	-0.386	0.00	0.00
AUG	13	54691	0.27458	0.38321	-0.451782	0.651	-0.333	0.00	0.00
AUG	14	54692	0.27456	0.38026	-0.451476	1.116	-0.203	0.00	0.00
AUG	15	54693	0.27430	0.37709	-0.451333	1.424	-0.012	0.00	0.00
AUG	16	54694	0.27430	0.37404	-0.451402	1.526	0.219	0.00	0.00
AUG	17	54695	0.27466	0.37108	-0.451705	1.400	0.451	0.00	0.00
AUG	18	54696	0.27508	0.36807	-0.452222	1.067	0.644	0.00	0.00
AUG	19	54697	0.27523	0.36502	-0.452894	0.589	0.754	0.00	0.00
AUG	20	54698	0.27520	0.36196	-0.453624	0.065	0.753	0.00	0.00
AUG	21	54699	0.27523	0.35891	-0.454294	-0.391	0.640	0.00	0.00
AUG	22	54700	0.27518	0.35585	-0.454809	-0.679	0.441	0.00	0.00
AUG	23	54701	0.27489	0.35273	-0.455099	-0.737	0.209	0.00	0.00
AUG	24	54702	0.27466	0.34940	-0.455166	-0.564	0.006	0.00	0.00
AUG	25	54703	0.27460	0.34598	-0.455069	-0.218	-0.111	0.00	0.00
AUG	26	54704	0.27446	0.34256	-0.454914	0.194	-0.106	0.00	0.00
AUG	27	54705	0.27432	0.33903	-0.454826	0.547	0.026	0.00	0.00
AUG	28	54706	0.27430	0.33548	-0.454923	0.727	0.252	0.00	0.00
AUG	29	54707	0.27413	0.33213	-0.455268	0.672	0.512	0.00	0.00
AUG	30	54708	0.27383	0.32902	-0.455861	0.383	0.735	0.00	0.00
AUG	31	54709	0.27354	0.32601	-0.456634	-0.073	0.866	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"		
MAY 3	54589	0.02441	0.53773	-0.397618	-	-	0.01	0.01	0.03	-	-
MAY 8	54594	0.03975	0.53991	-0.404552	0.430	-0.025	0.01	0.01	0.01	0.01	0.03
MAY 13	54599	0.05281	0.54260	-0.410468	0.365	-0.160	0.01	0.01	0.01	0.01	0.02
MAY 18	54604	0.07142	0.54272	-0.417998	0.091	0.023	0.01	0.01	0.01	0.03	0.04
MAY 23	54609	0.08818	0.54156	-0.421041	0.213	-0.441	0.01	0.01	0.01	0.02	0.04
MAY 28	54614	0.10751	0.54148	-0.424016	0.137	-0.273	0.01	0.01	0.02	0.04	0.06
JUN 2	54619	0.12261	0.53929	-0.429671	0.358	-0.171	0.01	0.01	-	0.01	0.02
JUN 7	54624	0.13987	0.53382	-0.431893	0.160	-0.234	0.01	0.01	0.01	0.03	0.06
JUN 12	54629	0.15707	0.52771	-0.436190	0.350	0.241	0.01	0.01	0.01	0.02	0.04
JUN 17	54634	0.17246	0.52063	-0.438064	-	-	0.01	0.01	0.01	-	-
JUN 22	54639	0.18700	0.51287	-0.438097	0.096	-0.055	0.02	0.02	0.02	0.10	0.11

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)
MAY 3	54589	0.00121	72.921 15045
MAY 8	54594	0.00120	15045
MAY 13	54599	0.00130	15037
MAY 18	54604	0.00118	15047
MAY 23	54609	0.00083	15077
MAY 28	54614	0.00065	15092
JUN 2	54619	0.00075	15084

5 - INFORMATION ON TIME SCALES

A leap second will be introduced in UTC on 31 December 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](ftp://hpiers.obspm.fr) or 145.238.100.28