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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 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.

FEB	3	54499	-0.11986	0.33563	-0.304321	-33.304321	0.18	0.12
FEB	8	54504	-0.12286	0.34949	-0.309870	-33.309870	0.28	-0.11
FEB	13	54509	-0.12612	0.36195	-0.315141	-33.315141	0.01	-0.03
FEB	18	54514	-0.12646	0.37395	-0.320501	-33.320501	0.18	-0.07
FEB	23	54519	-0.12745	0.38788	-0.325306	-33.325306	0.28	-0.03
FEB	28	54524	-0.12417	0.40166	-0.329829	-33.329829	0.22	0.00
MAR	4	54529	-0.11813	0.41593	-0.333868	-33.333868	0.34	-0.12

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

MAR	9	54534	-0.11192	0.42939	-0.338240	-33.338240	0.12	-0.07
MAR	14	54539	-0.10486	0.44327	-0.342701	-33.342701	0.32	-0.06
MAR	19	54544	-0.09410	0.45792	-0.347322	-33.347322	0.02	-0.04
MAR	24	54549	-0.08072	0.47313	-0.352837	-33.352837	0.02	-0.04
MAR	29	54554	-0.07060	0.48493	-0.359230	-33.359230	0.02	-0.04
APR	3	54559	-0.05992	0.49347	-0.365273	-33.365273	0.00	0.00
APR	8	54564	-0.04955	0.50355	-0.372249	-33.372249	0.00	0.00
APR	13	54569	-0.03571	0.51168	-0.379479	-33.379479	0.00	0.00
APR	18	54574	-0.02219	0.52048	-0.386617	-33.386617	0.00	0.00
APR	23	54579	-0.01142	0.52653	-0.393592	-33.393592	0.00	0.00
APR	28	54584	0.00238	0.53243	-0.400341	-33.400341	0.00	0.00
MAY	3	54589	0.02067	0.53847	-0.406877	-33.406877	0.00	0.00
MAY	8	54594	0.03949	0.54283	-0.413177	-33.413177	0.00	0.00
MAY	13	54599	0.05619	0.54729	-0.419146	-33.419146	0.00	0.00
MAY	18	54604	0.07368	0.54986	-0.424803	-33.424803	0.00	0.00
MAY	23	54609	0.09084	0.55098	-0.430063	-33.430063	0.00	0.00

MAY	28	54614	0.10777	0.55143	-0.434908	-33.434908	0.00	0.00
JUN	2	54619	0.12375	0.54998	-0.439369	-33.439369	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"
FEB	3	54499	-0.11985	0.33565	-0.303970	0.354	0.565	0.18	0.12
FEB	4	54500	-0.12053	0.33841	-0.304523	0.899	0.618	0.14	0.10
FEB	5	54501	-0.12085	0.34117	-0.305208	1.344	0.784	0.14	0.06
FEB	6	54502	-0.12129	0.34407	-0.306059	1.608	0.981	0.21	-0.01
FEB	7	54503	-0.12206	0.34693	-0.307170	1.633	1.205	0.28	-0.07
FEB	8	54504	-0.12286	0.34949	-0.308473	1.397	1.434	0.28	-0.11
FEB	9	54505	-0.12351	0.35201	-0.309973	0.936	1.560	0.18	-0.10
FEB	10	54506	-0.12399	0.35488	-0.311570	0.338	1.633	0.06	-0.09
FEB	11	54507	-0.12473	0.35773	-0.313204	-0.270	1.626	-0.04	-0.06
FEB	12	54508	-0.12566	0.35998	-0.314829	-0.756	1.449	-0.05	-0.04
FEB	13	54509	-0.12612	0.36195	-0.316161	-1.019	1.232	0.01	-0.03
FEB	14	54510	-0.12577	0.36444	-0.317295	-1.016	1.018	0.11	-0.04
FEB	15	54511	-0.12529	0.36722	-0.318235	-0.770	0.765	0.18	-0.05
FEB	16	54512	-0.12528	0.36949	-0.318916	-0.365	0.594	0.20	-0.05
FEB	17	54513	-0.12572	0.37146	-0.319466	0.077	0.552	0.20	-0.06
FEB	18	54514	-0.12646	0.37395	-0.320070	0.432	0.686	0.18	-0.07
FEB	19	54515	-0.12692	0.37681	-0.320871	0.603	0.936	0.15	-0.09
FEB	20	54516	-0.12719	0.37960	-0.321928	0.549	1.151	0.13	-0.11
FEB	21	54517	-0.12736	0.38218	-0.323162	0.291	1.303	0.17	-0.08
FEB	22	54518	-0.12740	0.38494	-0.324501	-0.103	1.347	0.22	-0.04
FEB	23	54519	-0.12745	0.38788	-0.325841	-0.535	1.310	0.28	-0.03
FEB	24	54520	-0.12722	0.39092	-0.327104	-0.911	1.216	0.35	-0.04
FEB	25	54521	-0.12685	0.39388	-0.328289	-1.157	1.090	0.35	-0.05
FEB	26	54522	-0.12636	0.39646	-0.329283	-1.224	0.882	0.28	-0.02
FEB	27	54523	-0.12542	0.39900	-0.330064	-1.098	0.646	0.22	0.01
FEB	28	54524	-0.12417	0.40166	-0.330617	-0.788	0.454	0.22	0.00
FEB	29	54525	-0.12284	0.40409	-0.330973	-0.331	0.296	0.28	-0.05
MAR	1	54526	-0.12134	0.40678	-0.331205	0.217	0.226	0.33	-0.12
MAR	2	54527	-0.12012	0.40981	-0.331410	0.782	0.266	0.36	-0.15
MAR	3	54528	-0.11909	0.41274	-0.331794	1.279	0.386	0.36	-0.15
MAR	4	54529	-0.11813	0.41593	-0.332242	1.626	0.595	0.34	-0.12
MAR	5	54530	-0.11701	0.41898	-0.332980	1.748	0.889	0.31	-0.09
MAR	6	54531	-0.11570	0.42180	-0.333992	1.601	1.162	0.28	-0.08
MAR	7	54532	-0.11475	0.42436	-0.335262	1.191	1.386	0.23	-0.08
MAR	8	54533	-0.11341	0.42672	-0.336779	0.585	1.550	0.17	-0.08
MAR	9	54534	-0.11192	0.42939	-0.338332	-0.092	1.534	0.12	-0.07
MAR	10	54535	-0.11068	0.43180	-0.339819	-0.691	1.362	0.13	-0.04
MAR	11	54536	-0.10934	0.43448	-0.341050	-1.077	1.098	0.20	-0.02
MAR	12	54537	-0.10800	0.43758	-0.342080	-1.181	0.813	0.29	-0.01
MAR	13	54538	-0.10654	0.44044	-0.342831	-1.007	0.593	0.37	-0.04
MAR	14	54539	-0.10486	0.44327	-0.343338	-0.637	0.464	0.32	-0.06
MAR	15	54540	-0.10300	0.44605	-0.343760	-0.190	0.454	0.02	-0.04
MAR	16	54541	-0.10093	0.44894	-0.344280	0.205	0.563	0.02	-0.04
MAR	17	54542	-0.09858	0.45207	-0.344919	0.448	0.767	0.02	-0.04
MAR	18	54543	-0.09631	0.45511	-0.345827	0.486	1.015	0.02	-0.04
MAR	19	54544	-0.09410	0.45792	-0.347004	0.318	1.252	0.02	-0.04
MAR	20	54545	-0.09156	0.46091	-0.348311	-0.007	1.393	0.02	-0.04
MAR	21	54546	-0.08887	0.46390	-0.349693	-0.407	1.461	0.02	-0.04
MAR	22	54547	-0.08615	0.46699	-0.351214	-0.791	1.467	0.02	-0.04
MAR	23	54548	-0.08335	0.47022	-0.352678	-1.076	1.427	0.02	-0.04
MAR	24	54549	-0.08072	0.47313	-0.354038	-1.201	1.309	0.02	-0.04
MAR	25	54550	-0.07843	0.47586	-0.355274	-1.136	1.152	0.02	-0.04
MAR	26	54551	-0.07624	0.47835	-0.356344	-0.881	0.974	0.02	-0.04
MAR	27	54552	-0.07408	0.48067	-0.357227	-0.464	0.789	0.02	-0.04

MAR	28	54553	-0.07217	0.48288	-0.357973	0.063	0.673	0.02	-0.04
MAR	29	54554	-0.07060	0.48493	-0.358595	0.634	0.630	0.02	-0.04
MAR	30	54555	-0.06880	0.48661	-0.359257	1.172	0.710	0.02	-0.04
MAR	31	54556	-0.06646	0.48831	-0.360027	1.595	0.881	0.02	-0.04
APR	1	54557	-0.06413	0.49001	-0.360989	1.829	1.075	0.02	-0.04
APR	2	54558	-0.06197	0.49159	-0.362191	1.813	1.357	0.00	0.00
APR	3	54559	-0.05992	0.49347	-0.363747	1.526	1.619	0.00	0.00
APR	4	54560	-0.05798	0.49552	-0.365605	0.997	1.820	0.00	0.00
APR	5	54561	-0.05609	0.49761	-0.367654	0.321	1.899	0.00	0.00
APR	6	54562	-0.05403	0.49970	-0.369738	-0.358	1.821	0.00	0.00
APR	7	54563	-0.05177	0.50172	-0.371691	-0.884	1.599	0.00	0.00
APR	8	54564	-0.04955	0.50355	-0.373392	-1.143	1.298	0.00	0.00
APR	9	54565	-0.04733	0.50527	-0.374801	-1.103	1.008	0.00	0.00
APR	10	54566	-0.04481	0.50689	-0.375967	-0.818	0.814	0.00	0.00
APR	11	54567	-0.04192	0.50838	-0.377004	-0.409	0.757	0.00	0.00
APR	12	54568	-0.03887	0.50986	-0.378054	-0.015	0.833	0.00	0.00
APR	13	54569	-0.03571	0.51168	-0.379229	0.250	0.999	0.00	0.00
APR	14	54570	-0.03260	0.51378	-0.380589	0.326	1.199	0.00	0.00
APR	15	54571	-0.02979	0.51577	-0.382143	0.206	1.380	0.00	0.00
APR	16	54572	-0.02704	0.51756	-0.383847	-0.070	1.502	0.00	0.00
APR	17	54573	-0.02440	0.51911	-0.385630	-0.432	1.546	0.00	0.00
APR	18	54574	-0.02219	0.52048	-0.387416	-0.799	1.507	0.00	0.00
APR	19	54575	-0.02015	0.52174	-0.389121	-1.092	1.394	0.00	0.00
APR	20	54576	-0.01807	0.52301	-0.390680	-1.247	1.227	0.00	0.00
APR	21	54577	-0.01597	0.52422	-0.392054	-1.225	1.033	0.00	0.00
APR	22	54578	-0.01381	0.52538	-0.393232	-1.015	0.843	0.00	0.00
APR	23	54579	-0.01142	0.52653	-0.394228	-0.635	0.685	0.00	0.00
APR	24	54580	-0.00879	0.52769	-0.395094	-0.131	0.581	0.00	0.00
APR	25	54581	-0.00594	0.52902	-0.395886	0.436	0.546	0.00	0.00
APR	26	54582	-0.00305	0.53024	-0.396680	0.993	0.586	0.00	0.00
APR	27	54583	-0.00037	0.53134	-0.397546	1.465	0.699	0.00	0.00
APR	28	54584	0.00238	0.53243	-0.398557	1.783	0.878	0.00	0.00
APR	29	54585	0.00556	0.53356	-0.399775	1.888	1.107	0.00	0.00
APR	30	54586	0.00911	0.53481	-0.401234	1.744	1.356	0.00	0.00
MAY	1	54587	0.01287	0.53617	-0.402936	1.352	1.578	0.00	0.00
MAY	2	54588	0.01679	0.53744	-0.404817	0.769	1.715	0.00	0.00
MAY	3	54589	0.02067	0.53847	-0.406771	0.106	1.717	0.00	0.00
MAY	4	54590	0.02441	0.53942	-0.408649	-0.490	1.567	0.00	0.00
MAY	5	54591	0.02823	0.54023	-0.410313	-0.881	1.299	0.00	0.00
MAY	6	54592	0.03213	0.54095	-0.411680	-0.988	0.991	0.00	0.00
MAY	7	54593	0.03591	0.54181	-0.412761	-0.820	0.742	0.00	0.00
MAY	8	54594	0.03949	0.54283	-0.413654	-0.477	0.621	0.00	0.00
MAY	9	54595	0.04305	0.54387	-0.414499	-0.101	0.650	0.00	0.00
MAY	10	54596	0.04652	0.54473	-0.415432	0.171	0.794	0.00	0.00
MAY	11	54597	0.04983	0.54551	-0.416538	0.257	0.988	0.00	0.00
MAY	12	54598	0.05300	0.54639	-0.417837	0.141	1.165	0.00	0.00
MAY	13	54599	0.05619	0.54729	-0.419282	-0.136	1.281	0.00	0.00
MAY	14	54600	0.05963	0.54800	-0.420808	-0.501	1.317	0.00	0.00
MAY	15	54601	0.06328	0.54857	-0.422326	-0.873	1.273	0.00	0.00
MAY	16	54602	0.06681	0.54906	-0.423763	-1.178	1.160	0.00	0.00
MAY	17	54603	0.07022	0.54952	-0.425057	-1.355	0.995	0.00	0.00
MAY	18	54604	0.07368	0.54986	-0.426168	-1.365	0.800	0.00	0.00
MAY	19	54605	0.07709	0.55004	-0.427078	-1.191	0.602	0.00	0.00
MAY	20	54606	0.08061	0.55022	-0.427801	-0.844	0.428	0.00	0.00
MAY	21	54607	0.08407	0.55040	-0.428370	-0.362	0.303	0.00	0.00
MAY	22	54608	0.08743	0.55064	-0.428849	0.197	0.244	0.00	0.00
MAY	23	54609	0.09084	0.55098	-0.429300	0.763	0.258	0.00	0.00
MAY	24	54610	0.09411	0.55130	-0.429804	1.262	0.344	0.00	0.00
MAY	25	54611	0.09728	0.55145	-0.430422	1.628	0.492	0.00	0.00
MAY	26	54612	0.10055	0.55148	-0.431210	1.807	0.684	0.00	0.00
MAY	27	54613	0.10407	0.55153	-0.432203	1.766	0.898	0.00	0.00
MAY	28	54614	0.10777	0.55143	-0.433409	1.499	1.101	0.00	0.00
MAY	29	54615	0.11143	0.55113	-0.434791	1.039	1.249	0.00	0.00
MAY	30	54616	0.11487	0.55081	-0.436275	0.463	1.297	0.00	0.00
MAY	31	54617	0.11799	0.55054	-0.437744	-0.111	1.215	0.00	0.00
JUN	1	54618	0.12088	0.55025	-0.439063	-0.552	1.006	0.00	0.00
JUN	2	54619	0.12375	0.54998	-0.440127	-0.759	0.723	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"		
FEB 3	54499	-0.11986	0.33563	-0.303970	0.190	0.116	0.01	0.01	0.01	0.01	0.02
FEB 8	54504	-0.12287	0.34948	-0.308467	0.263	-.087	0.01	0.01	0.01	0.02	0.03
FEB 13	54509	-0.12613	0.36194	-0.316158	0.011	-.026	0.01	0.01	0.01	0.01	0.02
FEB 18	54514	-0.12647	0.37394	-0.320067	0.176	-.042	0.01	0.01	0.01	0.02	0.02
FEB 23	54519	-0.12746	0.38787	-0.325839	0.305	-.040	0.01	0.01	0.01	0.02	0.04
FEB 28	54524	-0.12418	0.40164	-0.330615	0.253	0.077	0.01	0.01	-	0.01	0.02
MAR 4	54529	-0.11814	0.41593	-0.332233	0.331	-.123	0.01	0.01	0.01	0.02	0.03
MAR 9	54534	-0.11193	0.42938	-0.338328	0.120	-.105	0.01	0.01	0.01	0.04	0.09
MAR 14	54539	-0.10487	0.44326	-0.343337	0.332	-.092	0.01	0.01	0.01	0.02	0.03
MAR 19	54544	-0.09413	0.45790	-0.347009	0.190	-.252	0.02	0.02	0.03	0.17	0.18

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)
FEB 3	54499	0.00114	72.921 15051
FEB 8	54504	0.00108	15056
FEB 13	54509	0.00110	15053
FEB 18	54514	0.00097	15065
FEB 23	54519	0.00090	15071
FEB 28	54524	0.00085	15075
MAR 4	54529	0.00084	15075

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