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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:  
 $dX = X_{obs} - X_{IAU2000A}$  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)<sub>1980</sub> 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"
Final Bulletin B values.							
JUL 2	54649	0.21360	0.49538	-0.444945	-33.444945	0.41	-0.40
JUL 7	54654	0.22727	0.48551	-0.447020	-33.447020	-0.12	-0.56
JUL 12	54659	0.23879	0.47502	-0.448281	-33.448281	0.17	-0.30
JUL 17	54664	0.25061	0.46162	-0.449224	-33.449224	0.31	-0.56
JUL 22	54669	0.26222	0.44768	-0.450274	-33.450274	0.11	-0.35
JUL 27	54674	0.27499	0.43244	-0.451897	-33.451897	0.07	-0.27
AUG 1	54679	0.28106	0.41833	-0.453696	-33.453696	0.27	-0.45

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

AUG 6	54684	0.28857	0.40135	-0.454996	-33.454996	0.02	-0.44
AUG 11	54689	0.29238	0.38605	-0.456714	-33.456714	-0.07	-0.14
AUG 16	54694	0.29358	0.37066	-0.458346	-33.458346	0.02	-0.04
AUG 21	54699	0.29614	0.35564	-0.459704	-33.459704	0.02	-0.04
AUG 26	54704	0.29790	0.33945	-0.461843	-33.461843	0.02	-0.04
AUG 31	54709	0.29864	0.32240	-0.464200	-33.464200	0.02	-0.04
SEP 5	54714	0.29757	0.30371	-0.466739	-33.466739	0.00	0.00
SEP 10	54719	0.29355	0.28677	-0.468790	-33.468790	0.00	0.00
SEP 15	54724	0.29090	0.27078	-0.471035	-33.471035	0.00	0.00
SEP 20	54729	0.28355	0.25499	-0.473702	-33.473702	0.00	0.00
SEP 25	54734	0.27303	0.23944	-0.476750	-33.476750	0.00	0.00
SEP 30	54739	0.26155	0.22619	-0.480199	-33.480199	0.00	0.00
OCT 5	54744	0.24990	0.21326	-0.484008	-33.484008	0.00	0.00
OCT 10	54749	0.23707	0.20157	-0.488131	-33.488131	0.00	0.00
OCT 15	54754	0.22554	0.18992	-0.492589	-33.492589	0.00	0.00
OCT 20	54759	0.21133	0.17979	-0.497330	-33.497330	0.00	0.00

OCT	25	54764	0.19744	0.17056	-0.502299	-33.502299	0.00	0.00
OCT	30	54769	0.18154	0.16202	-0.507483	-33.507483	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 2007 IERS Annual Report.

2008		MJD	x	y	UT1-UTC	UT1-UT1R	D	dX	dY
(0 h UTC)			"	"	s	ms	ms	0.001"	0.001"
JUL	2	54649	0.21360	0.49538	-0.444954	-0.009	0.145	0.41	-0.40
JUL	3	54650	0.21612	0.49331	-0.445081	0.330	0.173	0.53	-0.64
JUL	4	54651	0.21885	0.49126	-0.445376	0.522	0.345	0.37	-0.78
JUL	5	54652	0.22171	0.48913	-0.445846	0.484	0.543	0.00	-0.80
JUL	6	54653	0.22467	0.48730	-0.446467	0.216	0.710	-0.17	-0.73
JUL	7	54654	0.22727	0.48551	-0.447233	-0.213	0.808	-0.12	-0.56
JUL	8	54655	0.22961	0.48331	-0.448072	-0.698	0.759	0.23	-0.37
JUL	9	54656	0.23190	0.48117	-0.448732	-1.133	0.639	0.47	-0.29
JUL	10	54657	0.23416	0.47924	-0.449316	-1.436	0.490	0.51	-0.28
JUL	11	54658	0.23649	0.47733	-0.449749	-1.561	0.275	0.36	-0.30
JUL	12	54659	0.23879	0.47502	-0.449771	-1.490	0.032	0.17	-0.30
JUL	13	54660	0.24123	0.47252	-0.449826	-1.230	-0.169	0.12	-0.30
JUL	14	54661	0.24337	0.46998	-0.449507	-0.810	-0.306	0.20	-0.32
JUL	15	54662	0.24532	0.46701	-0.449193	-0.282	-0.387	0.35	-0.39
JUL	16	54663	0.24785	0.46412	-0.448768	0.288	-0.397	0.39	-0.49
JUL	17	54664	0.25061	0.46162	-0.448400	0.825	-0.331	0.31	-0.56
JUL	18	54665	0.25293	0.45918	-0.448174	1.252	-0.198	0.15	-0.55
JUL	19	54666	0.25496	0.45663	-0.448061	1.510	0.002	0.01	-0.44
JUL	20	54667	0.25720	0.45384	-0.448197	1.559	0.264	-0.04	-0.33
JUL	21	54668	0.25962	0.45094	-0.448580	1.394	0.513	0.01	-0.29
JUL	22	54669	0.26222	0.44768	-0.449231	1.044	0.682	0.11	-0.35
JUL	23	54670	0.26509	0.44420	-0.449935	0.575	0.756	0.19	-0.47
JUL	24	54671	0.26777	0.44076	-0.450700	0.083	0.770	0.20	-0.55
JUL	25	54672	0.27029	0.43745	-0.451470	-0.331	0.708	0.16	-0.52
JUL	26	54673	0.27282	0.43485	-0.452100	-0.576	0.545	0.08	-0.39
JUL	27	54674	0.27499	0.43244	-0.452493	-0.597	0.321	0.07	-0.27
JUL	28	54675	0.27673	0.42971	-0.452695	-0.397	0.103	0.09	-0.24
JUL	29	54676	0.27825	0.42686	-0.452780	-0.047	0.002	0.17	-0.32
JUL	30	54677	0.27945	0.42411	-0.452720	0.337	0.017	0.23	-0.42
JUL	31	54678	0.28020	0.42138	-0.452812	0.618	0.111	0.26	-0.47
AUG	1	54679	0.28106	0.41833	-0.453006	0.690	0.291	0.27	-0.45
AUG	2	54680	0.28226	0.41510	-0.453459	0.514	0.511	0.27	-0.38
AUG	3	54681	0.28367	0.41164	-0.454034	0.125	0.690	0.26	-0.34
AUG	4	54682	0.28528	0.40813	-0.454832	-0.381	0.793	0.22	-0.35
AUG	5	54683	0.28690	0.40469	-0.455632	-0.885	0.741	0.14	-0.39
AUG	6	54684	0.28857	0.40135	-0.456278	-1.282	0.596	0.02	-0.44
AUG	7	54685	0.28998	0.39844	-0.456774	-1.503	0.405	-0.09	-0.42
AUG	8	54686	0.29074	0.39561	-0.457134	-1.518	0.217	-0.16	-0.35
AUG	9	54687	0.29141	0.39271	-0.457260	-1.327	0.082	-0.17	-0.23
AUG	10	54688	0.29193	0.38955	-0.457237	-0.959	-0.061	-0.14	-0.13
AUG	11	54689	0.29238	0.38605	-0.457176	-0.462	-0.171	-0.07	-0.14
AUG	12	54690	0.29275	0.38273	-0.456921	0.100	-0.228	0.03	-0.25
AUG	13	54691	0.29298	0.37941	-0.456717	0.651	-0.172	0.14	-0.49
AUG	14	54692	0.29303	0.37641	-0.456592	1.116	-0.056	0.18	-0.59
AUG	15	54693	0.29295	0.37346	-0.456620	1.424	0.094	0.02	-0.04
AUG	16	54694	0.29358	0.37066	-0.456821	1.526	0.269	0.02	-0.04
AUG	17	54695	0.29425	0.36808	-0.457136	1.400	0.437	0.02	-0.04
AUG	18	54696	0.29450	0.36511	-0.457698	1.067	0.649	0.02	-0.04
AUG	19	54697	0.29482	0.36185	-0.458462	0.589	0.819	0.02	-0.04
AUG	20	54698	0.29540	0.35871	-0.459293	0.065	0.850	0.02	-0.04
AUG	21	54699	0.29614	0.35564	-0.460095	-0.391	0.737	0.02	-0.04
AUG	22	54700	0.29705	0.35227	-0.460781	-0.679	0.546	0.02	-0.04
AUG	23	54701	0.29808	0.34902	-0.461261	-0.737	0.337	0.02	-0.04
AUG	24	54702	0.29859	0.34609	-0.461496	-0.564	0.162	0.02	-0.04

AUG	25	54703	0.29826	0.34304	-0.461587	-0.218	0.047	0.02	-0.04
AUG	26	54704	0.29790	0.33945	-0.461649	0.194	0.075	0.02	-0.04
AUG	27	54705	0.29805	0.33587	-0.461774	0.547	0.218	0.02	-0.04
AUG	28	54706	0.29826	0.33261	-0.462073	0.727	0.377	0.02	-0.04
AUG	29	54707	0.29835	0.32945	-0.462605	0.672	0.613	0.02	-0.04
AUG	30	54708	0.29844	0.32616	-0.463315	0.383	0.877	0.02	-0.04
AUG	31	54709	0.29864	0.32240	-0.464273	-0.073	1.015	0.02	-0.04
SEP	1	54710	0.29877	0.31853	-0.465321	-0.588	1.043	0.02	-0.04
SEP	2	54711	0.29880	0.31471	-0.466321	-1.047	0.949	0.02	-0.04
SEP	3	54712	0.29879	0.31089	-0.467173	-1.356	0.797	0.00	0.00
SEP	4	54713	0.29838	0.30722	-0.467759	-1.462	0.596	0.00	0.00
SEP	5	54714	0.29757	0.30371	-0.468093	-1.353	0.398	0.00	0.00
SEP	6	54715	0.29660	0.30028	-0.468207	-1.049	0.232	0.00	0.00
SEP	7	54716	0.29560	0.29695	-0.468161	-0.594	0.121	0.00	0.00
SEP	8	54717	0.29469	0.29367	-0.468020	-0.049	0.077	0.00	0.00
SEP	9	54718	0.29402	0.29019	-0.467865	0.512	0.110	0.00	0.00
SEP	10	54719	0.29355	0.28677	-0.467777	1.013	0.220	0.00	0.00
SEP	11	54720	0.29316	0.28363	-0.467828	1.381	0.397	0.00	0.00
SEP	12	54721	0.29284	0.28046	-0.468085	1.558	0.624	0.00	0.00
SEP	13	54722	0.29243	0.27720	-0.468580	1.508	0.873	0.00	0.00
SEP	14	54723	0.29179	0.27403	-0.469324	1.229	1.102	0.00	0.00
SEP	15	54724	0.29090	0.27078	-0.470269	0.765	1.264	0.00	0.00
SEP	16	54725	0.28999	0.26748	-0.471324	0.206	1.318	0.00	0.00
SEP	17	54726	0.28895	0.26426	-0.472375	-0.328	1.244	0.00	0.00
SEP	18	54727	0.28755	0.26112	-0.473296	-0.716	1.058	0.00	0.00
SEP	19	54728	0.28568	0.25804	-0.474004	-0.870	0.815	0.00	0.00
SEP	20	54729	0.28355	0.25499	-0.474471	-0.770	0.585	0.00	0.00
SEP	21	54730	0.28154	0.25192	-0.474745	-0.463	0.436	0.00	0.00
SEP	22	54731	0.27949	0.24861	-0.474931	-0.053	0.408	0.00	0.00
SEP	23	54732	0.27737	0.24536	-0.475153	0.333	0.506	0.00	0.00
SEP	24	54733	0.27522	0.24237	-0.475525	0.582	0.702	0.00	0.00
SEP	25	54734	0.27303	0.23944	-0.476129	0.621	0.944	0.00	0.00
SEP	26	54735	0.27076	0.23669	-0.476973	0.435	1.173	0.00	0.00
SEP	27	54736	0.26846	0.23405	-0.478014	0.065	1.334	0.00	0.00
SEP	28	54737	0.26617	0.23135	-0.479174	-0.403	1.396	0.00	0.00
SEP	29	54738	0.26382	0.22870	-0.480339	-0.863	1.350	0.00	0.00
SEP	30	54739	0.26155	0.22619	-0.481415	-1.216	1.216	0.00	0.00
OCT	1	54740	0.25929	0.22370	-0.482324	-1.392	1.028	0.00	0.00
OCT	2	54741	0.25707	0.22112	-0.483041	-1.357	0.827	0.00	0.00
OCT	3	54742	0.25485	0.21860	-0.483563	-1.117	0.647	0.00	0.00
OCT	4	54743	0.25244	0.21599	-0.483929	-0.708	0.515	0.00	0.00
OCT	5	54744	0.24990	0.21326	-0.484195	-0.187	0.448	0.00	0.00
OCT	6	54745	0.24723	0.21072	-0.484432	0.375	0.454	0.00	0.00
OCT	7	54746	0.24454	0.20843	-0.484715	0.906	0.536	0.00	0.00
OCT	8	54747	0.24194	0.20615	-0.485112	1.331	0.686	0.00	0.00
OCT	9	54748	0.23943	0.20384	-0.485691	1.591	0.889	0.00	0.00
OCT	10	54749	0.23707	0.20157	-0.486490	1.641	1.127	0.00	0.00
OCT	11	54750	0.23470	0.19919	-0.487532	1.463	1.366	0.00	0.00
OCT	12	54751	0.23238	0.19675	-0.488799	1.074	1.566	0.00	0.00
OCT	13	54752	0.23028	0.19440	-0.490228	0.538	1.679	0.00	0.00
OCT	14	54753	0.22805	0.19211	-0.491708	-0.039	1.669	0.00	0.00
OCT	15	54754	0.22554	0.18992	-0.493118	-0.529	1.530	0.00	0.00
OCT	16	54755	0.22281	0.18789	-0.494335	-0.817	1.297	0.00	0.00
OCT	17	54756	0.22003	0.18596	-0.495301	-0.845	1.041	0.00	0.00
OCT	18	54757	0.21730	0.18395	-0.496040	-0.631	0.843	0.00	0.00
OCT	19	54758	0.21436	0.18182	-0.496636	-0.269	0.765	0.00	0.00
OCT	20	54759	0.21133	0.17979	-0.497220	0.110	0.823	0.00	0.00
OCT	21	54760	0.20837	0.17794	-0.497922	0.381	0.991	0.00	0.00
OCT	22	54761	0.20542	0.17612	-0.498827	0.461	1.212	0.00	0.00
OCT	23	54762	0.20261	0.17420	-0.499953	0.327	1.425	0.00	0.00
OCT	24	54763	0.20003	0.17236	-0.501271	0.014	1.581	0.00	0.00
OCT	25	54764	0.19744	0.17056	-0.502703	-0.404	1.651	0.00	0.00
OCT	26	54765	0.19473	0.16857	-0.504156	-0.836	1.625	0.00	0.00
OCT	27	54766	0.19176	0.16662	-0.505540	-1.190	1.514	0.00	0.00
OCT	28	54767	0.18834	0.16488	-0.506785	-1.396	1.344	0.00	0.00
OCT	29	54768	0.18481	0.16336	-0.507840	-1.408	1.146	0.00	0.00
OCT	30	54769	0.18154	0.16202	-0.508703	-1.220	0.955	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"		
JUL 2	54649	0.21360	0.49537	-0.444951	0.362	-.371	0.01	0.01	0.01	0.02	0.03
JUL 7	54654	0.22726	0.48549	-0.447232	-.168	-.501	0.01	0.01	0.01	0.03	0.03
JUL 12	54659	0.23879	0.47499	-0.449790	0.168	-.319	0.01	0.01	0.02	0.04	0.08
JUL 17	54664	0.25060	0.46159	-0.448396	0.353	-.575	0.01	0.01	0.01	0.01	0.02
JUL 22	54669	0.26222	0.44766	-0.449232	0.075	-.330	0.01	0.01	0.01	0.02	0.03
JUL 27	54674	0.27499	0.43241	-0.452490	0.121	-.272	0.01	0.01	0.01	0.01	0.03
AUG 1	54679	0.28106	0.41831	-0.453006	0.207	-.504	0.01	0.01	0.02	0.03	0.04
AUG 6	54684	0.28856	0.40133	-0.456280	0.009	-.428	0.02	0.02	0.02	0.03	0.04
AUG 11	54689	0.29237	0.38602	-0.457177	-.087	-.059	0.02	0.01	0.02	0.11	0.10
AUG 16	54694	0.29359	0.37063	-0.456811	-	-	0.02	0.02	0.02	-	-
AUG 21	54699	0.29613	0.35562	-0.460098	-	-	0.02	0.02	0.06	-	-
AUG 26	54704	0.29787	0.33942	-0.461650	-	-	0.02	0.01	0.05	-	-

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)	
JUL 2	54649	0.00052	72.921	15103
JUL 7	54654	0.00034		15118
JUL 12	54659	0.00021		15129
JUL 17	54664	0.00017		15133
JUL 22	54669	0.00026		15124
JUL 27	54674	0.00042		15111
AUG 1	54679	0.00024		15126

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