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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 2005 (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.

JUL	3	53554	-0.03844	0.39870	-0.612847	-32.612847	0.20	-0.55
JUL	8	53559	-0.03117	0.40603	-0.610492	-32.610492	0.28	-0.04
JUL	13	53564	-0.02560	0.41000	-0.608461	-32.608461	0.02	-0.28
JUL	18	53569	-0.01960	0.41462	-0.606376	-32.606376	0.09	-0.12
JUL	23	53574	-0.01393	0.41686	-0.604099	-32.604099	0.15	-0.40
JUL	28	53579	-0.00914	0.41987	-0.602980	-32.602980	0.06	-0.19
AUG	2	53584	-0.00119	0.42132	-0.602644	-32.602644	0.17	-0.10

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

AUG	7	53589	0.00882	0.42278	-0.602060	-32.602060	0.40	-0.33
AUG	12	53594	0.02010	0.42698	-0.602378	-32.602378	0.24	-0.02
AUG	17	53599	0.02617	0.42917	-0.602389	-32.602389	0.21	-0.20
AUG	22	53604	0.03288	0.42871	-0.601996	-32.601996	0.00	0.00
AUG	27	53609	0.03951	0.42678	-0.601403	-32.601403	0.00	0.00
SEP	1	53614	0.04201	0.42478	-0.599962	-32.599962	0.00	0.00
SEP	6	53619	0.04496	0.42377	-0.599201	-32.599201	0.00	0.00
SEP	11	53624	0.05102	0.42322	-0.598606	-32.598606	0.00	0.00
SEP	16	53629	0.05791	0.42233	-0.598805	-32.598804	0.00	0.00
SEP	21	53634	0.06503	0.42112	-0.599628	-32.599628	0.00	0.00
SEP	26	53639	0.07208	0.41948	-0.600918	-32.600918	0.00	0.00
OCT	1	53644	0.07892	0.41739	-0.602589	-32.602589	0.00	0.00
OCT	6	53649	0.08548	0.41486	-0.604565	-32.604565	0.00	0.00
OCT	11	53654	0.09171	0.41190	-0.606800	-32.606800	0.00	0.00
OCT	16	53659	0.09760	0.40854	-0.609242	-32.609242	0.00	0.00
OCT	21	53664	0.10308	0.40481	-0.611866	-32.611866	0.00	0.00

OCT	26	53669	0.10817	0.40072	-0.614613	-32.614613	0.00	0.00
OCT	31	53674	0.11282	0.39632	-0.617451	-32.617451	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 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"
JUL	3	53554	-0.03844	0.39870	-0.614468	-1.620	-0.782	0.20	-0.55
JUL	4	53555	-0.03745	0.39970	-0.613561	-1.227	-0.982	0.14	-0.61
JUL	5	53556	-0.03615	0.40102	-0.612525	-0.703	-1.066	0.14	-0.42
JUL	6	53557	-0.03447	0.40259	-0.611455	-0.125	-1.042	0.14	-0.15
JUL	7	53558	-0.03271	0.40438	-0.610467	0.427	-0.933	0.19	-0.01
JUL	8	53559	-0.03117	0.40603	-0.609611	0.882	-0.779	0.28	-0.04
JUL	9	53560	-0.02985	0.40719	-0.608923	1.187	-0.647	0.36	-0.12
JUL	10	53561	-0.02853	0.40793	-0.608322	1.313	-0.448	0.39	-0.11
JUL	11	53562	-0.02751	0.40857	-0.608022	1.260	-0.235	0.34	-0.07
JUL	12	53563	-0.02664	0.40922	-0.607840	1.053	-0.139	0.18	-0.13
JUL	13	53564	-0.02560	0.41000	-0.607726	0.736	-0.035	0.02	-0.28
JUL	14	53565	-0.02430	0.41110	-0.607747	0.370	-0.008	-0.03	-0.35
JUL	15	53566	-0.02294	0.41237	-0.607683	0.031	-0.132	0.04	-0.23
JUL	16	53567	-0.02161	0.41346	-0.607457	-0.205	-0.264	0.12	-0.06
JUL	17	53568	-0.02033	0.41415	-0.607136	-0.266	-0.479	0.13	-0.03
JUL	18	53569	-0.01960	0.41462	-0.606496	-0.120	-0.729	0.09	-0.12
JUL	19	53570	-0.01904	0.41496	-0.605698	0.208	-0.848	0.07	-0.14
JUL	20	53571	-0.01831	0.41509	-0.604843	0.620	-0.857	0.07	-0.03
JUL	21	53572	-0.01678	0.41541	-0.604037	0.970	-0.737	0.06	-0.01
JUL	22	53573	-0.01525	0.41606	-0.603413	1.110	-0.452	0.08	-0.19
JUL	23	53574	-0.01393	0.41686	-0.603149	0.949	-0.075	0.15	-0.40
JUL	24	53575	-0.01290	0.41771	-0.603245	0.493	0.265	0.23	-0.38
JUL	25	53576	-0.01201	0.41850	-0.603634	-0.164	0.475	0.22	-0.19
JUL	26	53577	-0.01114	0.41900	-0.604141	-0.867	0.487	0.14	-0.11
JUL	27	53578	-0.01022	0.41945	-0.604562	-1.465	0.357	0.09	-0.17
JUL	28	53579	-0.00914	0.41987	-0.604827	-1.847	0.157	0.06	-0.19
JUL	29	53580	-0.00813	0.42002	-0.604869	-1.963	-0.072	0.04	-0.11
JUL	30	53581	-0.00628	0.42024	-0.604692	-1.819	-0.329	0.02	-0.05
JUL	31	53582	-0.00443	0.42064	-0.604231	-1.460	-0.537	0.05	-0.09
AUG	1	53583	-0.00281	0.42104	-0.603644	-0.953	-0.618	0.11	-0.15
AUG	2	53584	-0.00119	0.42132	-0.603021	-0.377	-0.646	0.17	-0.10
AUG	3	53585	0.00086	0.42147	-0.602377	0.189	-0.638	0.23	0.05
AUG	4	53586	0.00308	0.42175	-0.601767	0.672	-0.565	0.30	0.11
AUG	5	53587	0.00494	0.42210	-0.601262	1.016	-0.406	0.37	-0.03
AUG	6	53588	0.00667	0.42238	-0.600963	1.184	-0.185	0.41	-0.24
AUG	7	53589	0.00882	0.42278	-0.600889	1.171	0.049	0.40	-0.33
AUG	8	53590	0.01105	0.42326	-0.601049	0.997	0.260	0.35	-0.25
AUG	9	53591	0.01395	0.42404	-0.601391	0.709	0.404	0.27	-0.15
AUG	10	53592	0.01628	0.42511	-0.601834	0.370	0.444	0.19	-0.11
AUG	11	53593	0.01846	0.42616	-0.602255	0.051	0.372	0.18	-0.10
AUG	12	53594	0.02010	0.42698	-0.602553	-0.175	0.213	0.24	-0.02
AUG	13	53595	0.02168	0.42761	-0.602663	-0.245	-0.007	0.34	0.06
AUG	14	53596	0.02290	0.42820	-0.602533	-0.123	-0.240	0.39	0.03
AUG	15	53597	0.02396	0.42873	-0.602196	0.185	-0.403	0.36	-0.12
AUG	16	53598	0.02500	0.42907	-0.601760	0.611	-0.443	0.29	-0.23
AUG	17	53599	0.02617	0.42917	-0.601359	1.030	-0.401	0.21	-0.20
AUG	18	53600	0.02733	0.42912	-0.601007	1.292	-0.251	0.18	-0.14
AUG	19	53601	0.02857	0.42888	-0.600889	1.272	0.067	0.28	-0.11
AUG	20	53602	0.02994	0.42874	-0.601139	0.921	0.438	0.00	0.00
AUG	21	53603	0.03144	0.42879	-0.601731	0.293	0.692	0.00	0.00
AUG	22	53604	0.03288	0.42871	-0.602467	-0.471	0.709	0.00	0.00
AUG	23	53605	0.03427	0.42851	-0.603090	-1.198	0.539	0.00	0.00
AUG	24	53606	0.03566	0.42835	-0.603504	-1.735	0.292	0.00	0.00
AUG	25	53607	0.03709	0.42817	-0.603658	-1.991	0.006	0.00	0.00

AUG	26	53608	0.03836	0.42771	-0.603522	-1.952	-0.308	0.00	0.00
AUG	27	53609	0.03951	0.42678	-0.603062	-1.659	-0.576	0.00	0.00
AUG	28	53610	0.04070	0.42582	-0.602371	-1.186	-0.754	0.00	0.00
AUG	29	53611	0.04149	0.42529	-0.601524	-0.620	-0.867	0.00	0.00
AUG	30	53612	0.04183	0.42499	-0.600634	-0.045	-0.873	0.00	0.00
AUG	31	53613	0.04196	0.42474	-0.599806	0.463	-0.748	0.00	0.00
SEP	1	53614	0.04201	0.42478	-0.599120	0.842	-0.562	0.00	0.00

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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"	0.001"	0.0001s	0.001"	0.001"		
JUL	3	53554	-0.03842	0.39869	-0.614454	0.312	-0.484	0.02	0.02	0.03	0.05	0.05
JUL	8	53559	-0.03118	0.40600	-0.609610	0.249	-0.025	0.02	0.02	0.02	0.03	0.04
JUL	13	53564	-0.02562	0.41000	-0.607729	0.047	-0.259	0.02	0.02	0.02	0.03	0.03
JUL	18	53569	-0.01963	0.41463	-0.606497	0.084	-0.130	0.02	0.02	0.02	0.02	0.02
JUL	23	53574	-0.01396	0.41686	-0.603146	0.206	-0.311	0.01	0.01	0.02	0.03	0.03
JUL	28	53579	-0.00916	0.41986	-0.604831	0.038	-0.193	0.02	0.02	0.02	0.02	0.02
AUG	2	53584	-0.00120	0.42132	-0.603022	0.087	-0.117	0.01	0.01	0.02	0.03	0.03
AUG	7	53589	0.00883	0.42278	-0.600885	0.384	-0.331	0.02	0.02	0.02	0.03	0.03
AUG	12	53594	0.02009	0.42697	-0.602554	0.242	-0.019	0.01	0.01	0.01	0.04	0.04
AUG	17	53599	0.02616	0.42916	-0.601354	0.213	-0.198	0.01	0.02	0.01	0.02	0.02
AUG	22	53604	0.03289	0.42871	-0.602468	-	-	0.01	0.02	0.02	-	-
AUG	27	53609	0.03951	0.42678	-0.603065	-	-	0.02	0.02	0.03	-	-
SEP	1	53614	0.04201	0.42479	0.000000	-	-	0.02	0.02	-	-	-

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)		
JUL	3	53554	-0.00048	72.921	15187
JUL	8	53559	-0.00040		15180
JUL	13	53564	-0.00039		15180
JUL	18	53569	-0.00049		15188
JUL	23	53574	-0.00040		15180
JUL	28	53579	-0.00010		15155
AUG	2	53584	-0.00007		15152

5 - INFORMATION ON TIME SCALES

A leap second will be 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](http://hpiers.obspm.fr) or 145.238.100.28

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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
Periods covered		Weighted RMS agreement with Bulletin B							
		x	y	UT	D	dX	dY		
VLBI									
EOP(AUS)	1 R 1	0.07	0.08	0.03	-	-	-		13
	53557.21 to 53601.27	0.13	0.27	0.07	-	-	-		
EOP(BKG)	3 R 4	0.11	0.09	0.04	-	-	-		14
	53557.21 to 53601.27	0.24	0.23	0.12	-	-	-		
EOP(BKG)	3 R 2	-	-	0.14	-	-	-		52
	53554.33 to 53610.34	-	-	0.15	-	-	-		
EOP(USNO)	5 R 1	-	-	0.14	-	-	-		54
	53554.33 to 53610.34	-	-	0.14	-	-	-		
EOP(GSFC)	4 R 2	0.19	0.36	0.09	-	-	-		16
	53555.99 to 53601.27	0.11	0.13	0.09	-	-	-		
EOP(GSFC)	4 R 1	-	-	0.14	-	-	-		52
	53554.33 to 53610.34	-	-	0.15	-	-	-		
EOP(IAA)	5 R 1	0.07	0.07	0.03	-	0.12	0.05	14	
	53557.21 to 53601.27	0.20	0.20	0.12	-	0.19	0.06		
EOP(IAA)	3 R 3	-	-	0.13	-	-	-		53
	53554.33 to 53610.34	-	-	0.17	-	-	-		
EOP(SPBU)	3 R 3	0.22	0.30	0.14	-	-	-		12
	53557.21 to 53601.27	0.17	0.16	0.08	-	-	-		
EOP(SPBU)	2 R 1	-	-	0.14	-	-	-		52
	53554.33 to 53610.34	-	-	0.17	-	-	-		
EOP(MAO)	3 R 1	0.08	0.08	0.03	-	0.14	0.05	13	
	53557.21 to 53598.30	0.28	0.17	0.07	-	0.18	0.09		
EOP(USNO)	5 R 1	0.07	0.07	0.03	-	-	-		14
	53557.21 to 53601.27	0.12	0.12	0.08	-	-	-		
EOP(IVS)	0 R 1	0.08	0.08	0.04	-	-	-		14
	53557.00 to 53601.00	0.16	0.14	0.08	-	-	-		
GPS									
EOP(CODE)	98 P 1	0.01	0.01	-	0.19	-	-		60
	53554.50 to 53613.50	0.03	0.04	-	0.21	-	-		
EOP(EMR)	96 P 3	0.03	0.03	-	0.04	-	-		60
	53554.50 to 53613.50	0.07	0.11	-	0.43	-	-		
EOP(ESOC)	96 P 1	0.01	0.01	-	0.06	-	-		60
	53554.50 to 53613.50	0.06	0.08	-	0.47	-	-		
EOP(GFZ)	96 P 2	0.01	0.01	-	0.02	-	-		60
	53554.50 to 53613.50	0.04	0.05	-	0.26	-	-		
EOP(IAA)	1 P 1	0.03	0.03	-	0.07	-	-		59
	53554.50 to 53612.50	0.17	0.41	-	0.91	-	-		
EOP(JPL)	96 P 3	0.02	0.02	-	0.11	-	-		49
	53554.50 to 53602.50	0.04	0.05	-	0.29	-	-		
EOP(NOAA)	96 P 1	0.00	0.00	-	0.02	-	-		51
	53554.50 to 53604.50	0.07	0.08	-	0.30	-	-		
EOP(SIO)	96 P 1	0.05	0.06	-	0.13	-	-		59
	53554.50 to 53612.50	0.06	0.04	-	0.43	-	-		
EOP(IGS F)	95 P 2	0.01	0.02	0.08	0.05	-	-		49
	53554.50 to 53602.50	0.05	0.08	0.23	0.18	-	-		
EOP(IGS R)	96 P 2	0.03	0.04	0.19	0.07	-	-		60
	53554.50 to 53613.50	0.09	0.04	0.66	0.21	-	-		
EOP(IERS)	97 P 1	0.03	0.03	0.20	0.12	-	-		60

53554.50 to 53613.50	0.03	0.02	0.29	0.20	-	-	
SLR							
EOP(ASI) 3 L 2	0.06	0.08	-	0.16	-	-	59
53554.50 to 53612.50	0.22	0.30	-	0.57	-	-	
EOP(DUT) 98 L 1	0.08	0.09	-	-	-	-	49
53554.00 to 53609.00	0.36	0.32	-	-	-	-	
EOP(IAA) 2 L 1	0.03	0.04	0.02	0.02	-	-	61
53554.00 to 53614.00	0.14	0.20	0.31	0.17	-	-	
EOP(MCC) 97 L 1	0.04	0.06	-	0.10	-	-	50
53554.00 to 53607.00	0.16	0.21	-	0.56	-	-	
EOP(ILRS) 5 L 1	0.06	0.07	-	0.14	-	-	56
53554.50 to 53609.50	0.15	0.20	-	0.55	-	-	
Bulletin A							
EOP(NEOS) 97 C 1	0.05	0.07	0.08	-	-	-	61
53554.00 to 53614.00	0.07	0.10	0.19	-	-	-	