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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 until December 2004.

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 2003 (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.

AUG 3	52854	.22315	.47720	-.354031	-32.354031	.27	-.05
AUG 8	52859	.23224	.46366	-.352903	-32.352903	.24	-.28
AUG 13	52864	.24137	.45208	-.352044	-32.352044	.35	-.34
AUG 18	52869	.24919	.43865	-.352008	-32.352008	.28	-.11
AUG 23	52874	.25598	.42489	-.351550	-32.351550	.15	-.32
AUG 28	52879	.26127	.40907	-.350844	-32.350844	.15	-.35
SEP 2	52884	.26561	.39436	-.351290	-32.351290	.22	.15

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

SEP 7	52889	.26513	.37740	-.351913	-32.351913	.36	-.41
SEP 12	52894	.26457	.36126	-.352191	-32.352191	-.13	.03
SEP 17	52899	.26410	.34591	-.352806	-32.352806	.00	.00
SEP 22	52904	.26259	.32976	-.353966	-32.353966	.00	.00
SEP 27	52909	.25964	.31402	-.355125	-32.355125	.00	.00
OCT 2	52914	.25765	.30099	-.356442	-32.356442	.00	.00
OCT 7	52919	.25298	.28619	-.358028	-32.358028	.00	.00
OCT 12	52924	.24718	.27175	-.360249	-32.360249	.00	.00
OCT 17	52929	.24050	.25765	-.362934	-32.362934	.00	.00
OCT 22	52934	.23288	.24406	-.365925	-32.365925	.00	.00
OCT 27	52939	.22432	.23095	-.369099	-32.369099	.00	.00
NOV 1	52944	.21488	.21837	-.372379	-32.372379	.00	.00
NOV 6	52949	.20459	.20638	-.375744	-32.375744	.00	.00
NOV 11	52954	.19353	.19499	-.379124	-32.379124	.00	.00
NOV 16	52959	.18175	.18425	-.382511	-32.382511	.00	.00
NOV 21	52964	.16933	.17417	-.385868	-32.385868	.00	.00

NOV 26 52969 .15636 .16480 -.389179 -32.389179 .00 .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 2002 IERS Annual Report.

2003		MJD	x	y	UT1-UTC	UT1-UT1R	D	dX	dY
(0 h UTC)			"	"	s	ms	ms	0.001"	0.001"
AUG	3	52854	.22315	.47720	-.353720	.311	.401	.27	-.05
AUG	4	52855	.22483	.47473	-.354084	-.268	.322	.18	-.37
AUG	5	52856	.22650	.47231	-.354324	-.740	.153	.19	-.20
AUG	6	52857	.22823	.46960	-.354366	-1.012	-.071	.23	-.21
AUG	7	52858	.23023	.46658	-.354178	-1.042	-.317	.26	-.24
AUG	8	52859	.23224	.46366	-.353749	-.845	-.512	.24	-.28
AUG	9	52860	.23412	.46103	-.353186	-.498	-.595	.21	-.24
AUG	10	52861	.23598	.45883	-.352597	-.108	-.563	.19	-.24
AUG	11	52862	.23779	.45676	-.352094	.212	-.422	.23	-.25
AUG	12	52863	.23960	.45446	-.351773	.381	-.209	.30	-.26
AUG	13	52864	.24137	.45208	-.351678	.366	.009	.35	-.34
AUG	14	52865	.24316	.44976	-.351777	.188	.166	.37	-.37
AUG	15	52866	.24471	.44742	-.351987	-.100	.289	.38	-.35
AUG	16	52867	.24605	.44473	-.352330	-.422	.360	.38	-.30
AUG	17	52868	.24762	.44171	-.352685	-.708	.296	.35	-.19
AUG	18	52869	.24919	.43865	-.352904	-.896	.120	.28	-.11
AUG	19	52870	.25072	.43543	-.352914	-.945	-.088	.17	-.15
AUG	20	52871	.25233	.43238	-.352725	-.834	-.274	.10	-.30
AUG	21	52872	.25384	.42968	-.352371	-.566	-.447	.09	-.45
AUG	22	52873	.25505	.42726	-.351844	-.167	-.578	.14	-.46
AUG	23	52874	.25598	.42489	-.351234	.316	-.615	.15	-.32
AUG	24	52875	.25702	.42202	-.350638	.820	-.613	.11	-.13
AUG	25	52876	.25831	.41884	-.350036	1.263	-.563	.05	-.05
AUG	26	52877	.25935	.41566	-.349541	1.560	-.376	.03	-.11
AUG	27	52878	.26016	.41232	-.349306	1.635	-.074	.08	-.25
AUG	28	52879	.26127	.40907	-.349398	1.446	.284	.15	-.35
AUG	29	52880	.26241	.40613	-.349859	1.010	.592	.21	-.32
AUG	30	52881	.26342	.40329	-.350546	.405	.746	.25	-.16
AUG	31	52882	.26449	.40045	-.351304	-.241	.733	.25	.05
SEP	1	52883	.26534	.39744	-.351967	-.790	.574	.24	.17
SEP	2	52884	.26561	.39436	-.352422	-1.132	.337	.22	.15
SEP	3	52885	.26554	.39119	-.352634	-1.212	.080	.20	.01
SEP	4	52886	.26549	.38790	-.352599	-1.043	-.152	.23	-.12
SEP	5	52887	.26532	.38443	-.352362	-.697	-.274	.29	-.25
SEP	6	52888	.26519	.38084	-.352089	-.281	-.289	.35	-.36
SEP	7	52889	.26513	.37740	-.351820	.093	-.257	.36	-.41
SEP	8	52890	.26498	.37419	-.351598	.336	-.134	.31	-.36
SEP	9	52891	.26478	.37111	-.351560	.400	.085	.22	-.22
SEP	10	52892	.26464	.36782	-.351759	.285	.270	.10	-.08
SEP	11	52893	.26472	.36451	-.352081	.033	.372	-.02	.00
SEP	12	52894	.26457	.36126	-.352477	-.286	.396	-.13	.03
SEP	13	52895	.26431	.35793	-.352848	-.597	.340	-.15	.08
SEP	14	52896	.26429	.35471	-.353136	-.829	.256	-.09	.14
SEP	15	52897	.26432	.35173	-.353346	-.928	.163	-.02	.10
SEP	16	52898	.26424	.34881	-.353455	-.866	.047	.01	-.12
SEP	17	52899	.26410	.34591	-.353443	-.637	-.071	.00	.00
SEP	18	52900	.26400	.34291	-.353324	-.263	-.187	.00	.00
SEP	19	52901	.26375	.33976	-.353088	.214	-.267	.00	.00
SEP	20	52902	.26312	.33639	-.352813	.734	-.288	.00	.00
SEP	21	52903	.26255	.33290	-.352539	1.222	-.237	.00	.00
SEP	22	52904	.26259	.32976	-.352369	1.598	-.053	.00	.00
SEP	23	52905	.26265	.32707	-.352459	1.776	.229	.00	.00
SEP	24	52906	.26202	.32414	-.352843	1.693	.488	.00	.00

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

		Raw normal values					Uncertainties				
2003	MJD	x	y	UT1-UTC	dX	dY	x	y	UT1	dX	dY
(0 h UTC)		"	"	s	0.001"		0.001"	0.0001s	0.001"		
AUG 3	52854	.22314	.47720	-.353716	.213	-.528	.01	.01	.01	.02	.02
AUG 8	52859	.23223	.46367	-.353749	.257	-.336	.01	.01	.02	.03	.03
AUG 13	52864	.24137	.45207	-.351677	.341	-.338	.01	.02	.02	.03	.03
AUG 18	52869	.24919	.43866	-.352905	.266	-.110	.01	.01	.02	.02	.03
AUG 23	52874	.25598	.42489	-.351234	.255	-.287	.01	.01	.02	.05	.05
AUG 28	52879	.26127	.40907	-.349395	.160	-.385	.01	.02	.02	.02	.03
SEP 2	52884	.26561	.39435	-.352423	.200	.132	.02	.02	.02	.02	.03
SEP 7	52889	.26514	.37740	-.351818	.354	-.399	.01	.02	.01	.02	.02
SEP 12	52894	.26455	.36126	-.352475	-	-	.02	.02	.02	-	-
SEP 17	52899	.26410	.34592	-.353444	-	-	.01	.01	.02	-	-
SEP 22	52904	.26259	.32976	-.352368	-	-	.02	.02	.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		
2003 MJD	s	(microrad/s)		
AUG 3	52854	-.00020	72.921	15164
AUG 8	52859	-.00023		15166
AUG 13	52864	-.00010		15155
AUG 18	52869	-.00001		15147
AUG 23	52874	-.00011		15156
AUG 28	52879	-.00004		15150
SEP 2	52884	.00013		15136

5 - INFORMATION ON TIME SCALES

No leap second was introduced in UTC on 30 June 2003.
No leap second will be introduced in UTC on 31 December 2003.
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

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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						
Periods covered		Weighted RMS agreement with Bulletin B						
		x	y	UT	D	dX	dY	Data Number
VLBI								
EOP(AUS)	1 R 01	.34	.47	.24	-	-	-	8

52856.21 to 52887.27	.29	.26	.16	-	-	-	
EOP(BKG) 3 R 03	.16	.13	.05	-	-	-	12
52856.00 to 52891.00	.23	.15	.05	-	-	-	
EOP(BKG) 3 R 02	-	-	.12	-	-	-	29
52855.79 to 52905.79	-	-	.08	-	-	-	
EOP(GSFC) 3 R 06	.09	.08	.03	-	-	-	13
52856.21 to 52898.21	.23	.26	.11	-	-	-	
EOP(GSFC) 3 R 05	-	-	.11	-	-	-	29
52855.79 to 52905.79	-	-	.16	-	-	-	
EOP(IAA) 3 R 04	.08	.07	.03	-	-	-	11
52856.21 to 52891.20	.16	.09	.04	-	-	-	
EOP(IAA) 3 R 03	-	-	.09	-	-	-	34
52855.79 to 52905.79	-	-	.13	-	-	-	
EOP(SPBU) 2 R 01	-	-	.11	-	-	-	26
52855.79 to 52899.79	-	-	.09	-	-	-	
EOP(IVS) 0 R 01	.05	.05	.02	-	-	-	11
52856.00 to 52891.00	.12	.15	.06	-	-	-	
GPS							
EOP(CODE) 98 P 01	.01	.01	-	.30	-	-	52
52854.50 to 52905.50	.05	.06	-	.20	-	-	
EOP(EMR) 96 P 03	.03	.04	-	.04	-	-	52
52854.50 to 52905.50	.08	.08	-	.24	-	-	
EOP(ESOC) 96 P 01	.02	.02	-	.02	-	-	52
52854.50 to 52905.50	.11	.09	-	.24	-	-	
EOP(GFZ) 96 P 02	.01	.01	-	.01	-	-	52
52854.50 to 52905.50	.04	.07	-	.28	-	-	
EOP(IAA) 1 P 01	.03	.03	-	.06	-	-	52
52854.50 to 52905.50	.20	.13	-	.36	-	-	
EOP(JPL) 96 P 03	.02	.03	-	.13	-	-	52
52854.50 to 52905.50	.05	.06	-	.41	-	-	
EOP(NOAA) 96 P 01	.03	.02	-	.02	-	-	49
52854.50 to 52902.50	.22	.21	-	.74	-	-	
EOP(SIO) 96 P 01	.05	.05	-	.13	-	-	52
52854.50 to 52905.50	.12	.09	-	.24	-	-	
EOP(IGS F)95 P 02	.02	.02	.08	.05	-	-	42
52854.50 to 52895.50	.06	.04	.36	.21	-	-	
EOP(IGS R)96 P 02	.03	.04	.18	.06	-	-	52
52854.50 to 52905.50	.08	.04	.64	.22	-	-	
EOP(IERS) 97 P 01	.03	.04	.19	.13	-	-	52
52854.50 to 52905.50	.02	.02	.36	.20	-	-	
SLR							
EOP(ASI) 3 L 02	.06	.06	.00	-	-	-	52
52854.50 to 52905.50	.28	.32	.00	-	-	-	
EOP(DUT) 98 L 01	.08	.08	-	-	-	-	7
52882.00 to 52888.00	.66	.54	-	-	-	-	
EOP(IAA) 2 L 01	.04	.04	.02	.02	-	-	53
52854.00 to 52906.00	.16	.13	.33	.15	-	-	
EOP(MCC) 97 L 01	.06	.06	-	.10	-	-	26
52854.00 to 52879.00	.17	.14	-	.55	-	-	
Bulletin A							
EOP(NEOS) 97 C 01	.05	.07	.07	-	-	-	53
52854.00 to 52906.00	.05	.06	.25	-	-	-	