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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 2004 (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.

JUN	3	53159	-.07986	.47066	-.470402	-32.470402	.20	.05
JUN	8	53164	-.07178	.47828	-.470658	-32.470658	-.06	.11
JUN	13	53169	-.06267	.48576	-.470994	-32.470994	.21	.18
JUN	18	53174	-.04807	.49334	-.471258	-32.471258	.02	.14
JUN	23	53179	-.03176	.50086	-.470884	-32.470884	.28	-.08
JUN	28	53184	-.01615	.50711	-.469466	-32.469466	.03	.13
JUL	3	53189	-.00175	.51171	-.467829	-32.467829	.12	-.29

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

JUL	8	53194	.00963	.51473	-.465262	-32.465262	.24	-.07
JUL	13	53199	.02431	.51870	-.462514	-32.462514	.11	.03
JUL	18	53204	.03587	.52074	-.460258	-32.460258	.06	-.26
JUL	23	53209	.05015	.51939	-.458059	-32.458059	.00	.00
JUL	28	53214	.06370	.51862	-.456110	-32.456110	.00	.00
AUG	2	53219	.07546	.51562	-.454485	-32.454485	.00	.00
AUG	7	53224	.08720	.51171	-.452972	-32.452972	.00	.00
AUG	12	53229	.09850	.50670	-.451607	-32.451607	.00	.00
AUG	17	53234	.10968	.50076	-.450508	-32.450508	.00	.00
AUG	22	53239	.12044	.49391	-.449699	-32.449699	.00	.00
AUG	27	53244	.13067	.48621	-.449181	-32.449181	.00	.00
SEP	1	53249	.14030	.47769	-.448982	-32.448982	.00	.00
SEP	6	53254	.14926	.46843	-.449112	-32.449112	.00	.00
SEP	11	53259	.15751	.45847	-.449562	-32.449562	.00	.00
SEP	16	53264	.16503	.44788	-.450325	-32.450325	.00	.00
SEP	21	53269	.17177	.43673	-.451386	-32.451386	.00	.00

SEP 26 53274 .17770 .42508 -.452721 -32.452721 .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 2003 IERS Annual Report.

2004		MJD	x	y	UT1-UTC	UT1-UT1R	D	dX	dY
(0 h UTC)			"	"	s	ms	ms	0.001"	0.001"
JUN	3	53159	-.07986	.47066	-.471176	-.774	-.085	.20	.05
JUN	4	53160	-.07775	.47227	-.471028	-.540	-.252	.20	.12
JUN	5	53161	-.07556	.47357	-.470720	-.187	-.240	.02	.15
JUN	6	53162	-.07441	.47546	-.470596	.140	-.162	-.15	.15
JUN	7	53163	-.07324	.47685	-.470428	.315	-.112	-.18	.17
JUN	8	53164	-.07178	.47828	-.470379	.279	.094	-.06	.11
JUN	9	53165	-.06982	.47982	-.470600	.043	.325	.17	-.21
JUN	10	53166	-.06836	.48159	-.471001	-.330	.432	.28	-.36
JUN	11	53167	-.06658	.48287	-.471433	-.750	.464	.23	-.17
JUN	12	53168	-.06492	.48451	-.471902	-1.131	.491	.18	.07
JUN	13	53169	-.06267	.48576	-.472395	-1.401	.375	.21	.18
JUN	14	53170	-.06029	.48734	-.472639	-1.510	.119	.28	.13
JUN	15	53171	-.05786	.48848	-.472628	-1.434	-.105	.29	.06
JUN	16	53172	-.05474	.48997	-.472433	-1.173	-.316	.10	.16
JUN	17	53173	-.05158	.49135	-.472009	-.751	-.488	-.01	.24
JUN	18	53174	-.04807	.49334	-.471477	-.219	-.595	.02	.14
JUN	19	53175	-.04525	.49541	-.470842	.358	-.638	.07	-.02
JUN	20	53176	-.04170	.49690	-.470226	.906	-.577	.14	-.16
JUN	21	53177	-.03862	.49833	-.469711	1.353	-.440	.24	-.16
JUN	22	53178	-.03504	.49968	-.469363	1.642	-.285	.30	-.07
JUN	23	53179	-.03176	.50086	-.469150	1.734	-.153	.28	-.08
JUN	24	53180	-.02854	.50217	-.469056	1.614	-.012	.17	-.19
JUN	25	53181	-.02490	.50312	-.469116	1.295	.178	.07	-.25
JUN	26	53182	-.02205	.50487	-.469390	.826	.245	.01	-.11
JUN	27	53183	-.01904	.50591	-.469571	.292	.156	.01	.09
JUN	28	53184	-.01615	.50711	-.469661	-.195	.066	.03	.13
JUN	29	53185	-.01309	.50790	-.469669	-.520	-.080	.11	.01
JUN	30	53186	-.01018	.50895	-.469486	-.604	-.346	.25	-.11
JUL	1	53187	-.00757	.51013	-.468989	-.445	-.573	.33	-.11
JUL	2	53188	-.00454	.51083	-.468379	-.123	-.718	.27	-.14
JUL	3	53189	-.00175	.51171	-.467605	.224	-.656	.12	-.29
JUL	4	53190	.00059	.51221	-.467110	.451	-.536	.02	-.41
JUL	5	53191	.00267	.51304	-.466552	.462	-.487	-.01	-.30
JUL	6	53192	.00522	.51355	-.466127	.239	-.289	.02	-.09
JUL	7	53193	.00735	.51427	-.465947	-.162	-.094	.10	-.02
JUL	8	53194	.00963	.51473	-.465902	-.640	-.084	.24	-.07
JUL	9	53195	.01237	.51515	-.465747	-1.092	-.167	.33	-.07
JUL	10	53196	.01546	.51611	-.465544	-1.430	-.272	.29	.08
JUL	11	53197	.01826	.51697	-.465189	-1.601	-.458	.19	.24
JUL	12	53198	.02145	.51767	-.464625	-1.577	-.660	.13	.21
JUL	13	53199	.02431	.51870	-.463874	-1.360	-.840	.11	.03
JUL	14	53200	.02625	.51908	-.462956	-.974	-.994	.13	-.15
JUL	15	53201	.02830	.51988	-.461905	-.465	-1.052	.13	-.19
JUL	16	53202	.03040	.52029	-.460875	.106	-1.023	.15	-.17
JUL	17	53203	.03267	.52062	-.459885	.664	-.888	.11	-.19
JUL	18	53204	.03587	.52074	-.459122	1.136	-.784	.06	-.26
JUL	19	53205	.03849	.52076	-.458336	1.459	-.728	.05	-.25
JUL	20	53206	.04149	.52043	-.457677	1.590	-.508	.10	-.06
JUL	21	53207	.04387	.52011	-.457319	1.514	-.233	.00	.00
JUL	22	53208	.04706	.51972	-.457201	1.246	-.037	.00	.00
JUL	23	53209	.05015	.51939	-.457224	.836	.074	.00	.00
JUL	24	53210	.05288	.51923	-.457319	.359	.131	.00	.00
JUL	25	53211	.05621	.51895	-.457451	-.089	.034	.00	.00
JUL	26	53212	.05888	.51902	-.457355	-.406	-.202	.00	.00
JUL	27	53213	.06191	.51892	-.457028	-.517	-.431	.00	.00

Periods covered

Weighted RMS agreement with Bulletin B

		x	y	UT	D	dX	dY	Data	Number
VLBI									
EOP(AUS)	1 R 01	1.18	1.29	.70	-	-	-		14
	53160.27 to 53206.21	.11	.10	.04	-	-	-		
EOP(BKG)	3 R 04	.14	.11	.07	-	-	-		15
	53160.27 to 53206.21	.19	.17	.08	-	-	-		
EOP(BKG)	3 R 02	-	-	.16	-	-	-		39
	53160.81 to 53212.79	-	-	.17	-	-	-		
EOP(GSFC)	4 R 02	.23	.12	.14	-	-	-		17
	53160.27 to 53206.21	.15	.10	.03	-	-	-		
EOP(GSFC)	4 R 01	-	-	.17	-	-	-		35
	53160.81 to 53213.79	-	-	.10	-	-	-		
EOP(IAA)	3 R 04	.08	.08	.04	-	.14	.06	14	
	53160.27 to 53206.21	.20	.09	.05	-	.13	.13		
EOP(IAA)	3 R 03	-	-	.16	-	-	-		32
	53161.34 to 53212.80	-	-	.12	-	-	-		
EOP(SPBU)	3 R 03	.37	.42	.21	-	-	-		10
	53160.27 to 53185.21	.12	.22	.05	-	-	-		
EOP(SPBU)	2 R 01	-	-	.20	-	-	-		38
	53160.81 to 53188.81	-	-	.20	-	-	-		
EOP(MAO)	3 R 01	.10	.10	.04	-	.17	.07	14	
	53160.30 to 53206.22	.20	.19	.07	-	.24	.11		
EOP(USNO)	4 R 01	.09	.09	.03	-	-	-		14
	53160.27 to 53206.21	.18	.13	.05	-	-	-		
EOP(IVS)	0 R 01	.07	.07	.03	-	-	-		13
	53160.00 to 53202.00	.21	.08	.05	-	-	-		
GPS									
EOP(CODE)	98 P 01	.01	.01	-	.21	-	-		56
	53159.50 to 53214.50	.07	.10	-	.48	-	-		
EOP(EMR)	96 P 03	.03	.03	-	.04	-	-		56
	53159.50 to 53214.50	.11	.08	-	.59	-	-		
EOP(ESOC)	96 P 01	.01	.02	-	.04	-	-		56
	53159.50 to 53214.50	.26	.07	-	.62	-	-		
EOP(GFZ)	96 P 02	.01	.01	-	.01	-	-		56
	53159.50 to 53214.50	.11	.07	-	.45	-	-		
EOP(IAA)	1 P 01	.03	.03	-	.06	-	-		56
	53159.50 to 53214.50	.14	.14	-	.86	-	-		
EOP(JPL)	96 P 03	.02	.02	-	.10	-	-		52
	53159.50 to 53210.50	.05	.07	-	.69	-	-		
EOP(NOAA)	96 P 01	.01	.01	-	.02	-	-		56
	53159.50 to 53214.50	.22	.18	-	.51	-	-		
EOP(SIO)	96 P 01	.05	.06	-	.11	-	-		56
	53159.50 to 53214.50	.07	.08	-	.62	-	-		
EOP(IGS F)	95 P 02	.02	.02	.07	.05	-	-		45
	53159.50 to 53203.50	.07	.08	.43	.47	-	-		
EOP(IGS R)	96 P 02	.03	.03	.22	.06	-	-		56
	53159.50 to 53214.50	.11	.05	.87	.43	-	-		
EOP(IERS)	97 P 01	.03	.04	.20	.13	-	-		56
	53159.50 to 53214.50	.06	.03	.55	.49	-	-		
SLR									
EOP(ASI)	3 L 02	.07	.08	-	.18	-	-		55
	53159.50 to 53213.50	.27	.27	-	.91	-	-		
EOP(CSR)	95 L 01	.36	.39	.34	-	-	-		19
	53160.05 to 53213.64	.32	.30	.79	-	-	-		

EOP(DUT) 98 L 01	.12	.13	-	-	-	-	35
53162.00 to 53196.00	.37	.39	-	-	-	-	
EOP(IAA) 2 L 01	.05	.05	.03	.03	-	-	57
53159.00 to 53215.00	.26	.20	.52	.30	-	-	
EOP(MCC) 97 L 01	.06	.06	-	.10	-	-	57
53159.00 to 53215.00	.21	.18	-	.59	-	-	
Bulletin A							
EOP(NEOS) 97 C 01	.06	.06	.07	-	-	-	57
53159.00 to 53215.00	.21	.09	.51	-	-	-	