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I E R S B U L L E T I N - A

Rapid Service/Prediction of Earth Orientation

022 2 June 2011

Vol. XXIV No.

GENERAL INFORMATION:

To receive this information electronically, contact:

ser7@maia.usno.navy.mil or use
<<http://maia.usno.navy.mil/docrequest.html>>

MJD = Julian Date - 2 400 000.5 days

$$UT2-UT1 = 0.022 \sin(2\pi T) - 0.012 \cos(2\pi T) - 0.006 \sin(4\pi T) + 0.007 \cos(4\pi T)$$

*pi*T)

where pi = 3.14159265... and T is the date in Besselian

years.

TT = TAI + 32.184 seconds

DUT1= (UT1-UTC) transmitted with time signals

= -0.3 seconds beginning 12 May 2011 at 0000 UTC

Beginning 1 January 2009:

TAI-UTC(BIPM) = 34.000 000 seconds

* As of Bulletin A Vol. XXIV, No. 022, on 02 June 2011, we have
*
* (by mutual agreement) removed the contribution of NRCan,
formerly *
* EMR Canada, from the combination for UT1-UTC.
*

The contributed observations used in the preparation of this
Bulletin
are available at <<http://www.usno.navy.mil/USNO/earth-orientation/eo-info/general/input-data>>. The contributed analysis results are
based
on data from Very Long Baseline Interferometry (VLBI), Satellite
Laser
Ranging (SLR), the Global Positioning System (GPS) satellites,
Lunar
Laser Ranging (LLR), and meteorological predictions of variations
in
Atmospheric Angular Momentum (AAM).

COMBINED EARTH ORIENTATION PARAMETERS:

IERS Rapid Service									
	MJD	x	error	y	error	UT1-UTC	error		
		"	"	"	"	s	s		
11	5	27	55708	-.02032	.00009	0.39554	.00009	-0.273881	0.000015
11	5	28	55709	-.01899	.00009	0.39739	.00009	-0.274863	0.000017
11	5	29	55710	-.01794	.00009	0.39901	.00009	-0.275757	0.000019
11	5	30	55711	-.01723	.00009	0.40066	.00009	-0.276559	0.000013
11	5	31	55712	-.01643	.00009	0.40204	.00009	-0.277245	0.000013
11	6	1	55713	-.01529	.00009	0.40327	.00009	-0.277842	0.000011
11	6	2	55714	-.01425	.00009	0.40456	.00009	-0.278413	0.000008

IERS Final Values						
	MJD	x	y	UT1-UTC		
		"	"	s		
11	4	2	55653	-0.0347	0.2806	-0.21320
11	4	3	55654	-0.0362	0.2819	-0.21468
11	4	4	55655	-0.0375	0.2836	-0.21606
11	4	5	55656	-0.0394	0.2854	-0.21725
11	4	6	55657	-0.0414	0.2870	-0.21832
11	4	7	55658	-0.0424	0.2887	-0.21926
11	4	8	55659	-0.0430	0.2909	-0.21999
11	4	9	55660	-0.0434	0.2934	-0.22072
11	4	10	55661	-0.0433	0.2957	-0.22150
11	4	11	55662	-0.0436	0.2977	-0.22234
11	4	12	55663	-0.0439	0.2996	-0.22331
11	4	13	55664	-0.0441	0.3018	-0.22447
11	4	14	55665	-0.0442	0.3042	-0.22581
11	4	15	55666	-0.0441	0.3067	-0.22730
11	4	16	55667	-0.0439	0.3094	-0.22893
11	4	17	55668	-0.0440	0.3119	-0.23059
11	4	18	55669	-0.0443	0.3143	-0.23213
11	4	19	55670	-0.0445	0.3164	-0.23346
11	4	20	55671	-0.0447	0.3184	-0.23456
11	4	21	55672	-0.0449	0.3204	-0.23545
11	4	22	55673	-0.0451	0.3222	-0.23619
11	4	23	55674	-0.0452	0.3239	-0.23691
11	4	24	55675	-0.0458	0.3258	-0.23770
11	4	25	55676	-0.0462	0.3275	-0.23856
11	4	26	55677	-0.0460	0.3292	-0.23952
11	4	27	55678	-0.0458	0.3313	-0.24056
11	4	28	55679	-0.0453	0.3336	-0.24165
11	4	29	55680	-0.0451	0.3361	-0.24277
11	4	30	55681	-0.0447	0.3385	-0.24388
11	5	1	55682	-0.0440	0.3411	-0.24492

PREDICTIONS:

The following formulas will not reproduce the predictions given below, but may be used to extend the predictions beyond the end of this table.

$$\sin C \quad x = 0.0830 - 0.0495 \cos A + 0.1099 \sin A - 0.0453 \cos C - 0.0322$$

$$\sin C \quad y = 0.3329 + 0.0995 \cos A + 0.0448 \sin A - 0.0322 \cos C + 0.0453$$

$$\sin C \quad \text{UT1-UTC} = -0.2610 - 0.00066 (\text{MJD} - 55722) - (\text{UT2-UT1})$$

where $A = 2\pi \cdot (\text{MJD} - 55714) / 365.25$ and $C = 2\pi \cdot (\text{MJD} - 55714) / 435$.

$$\text{TAI-UTC}(\text{MJD } 55715) = 34.0$$

The accuracy may be estimated from the expressions:

$$S_{x,y} = 0.00068 (\text{MJD} - 55714)^{**0.80} \quad S_t = 0.00025 (\text{MJD} - 55714)^{**}$$

0.75
 Estimated accuracies are: Predictions 10 d 20 d 30 d 40
 d
 Polar coord's 0.004 0.007 0.010
 0.013
 UT1-UTC 0.0014 0.0024 0.0032
 0.0040

			MJD	x(arcsec)	y(arcsec)	UT1-UTC(sec)
2011	6	3	55715	-0.0129	0.4059	-0.27897
2011	6	4	55716	-0.0118	0.4071	-0.27955
2011	6	5	55717	-0.0106	0.4084	-0.28023
2011	6	6	55718	-0.0094	0.4097	-0.28106
2011	6	7	55719	-0.0081	0.4110	-0.28202
2011	6	8	55720	-0.0068	0.4123	-0.28311
2011	6	9	55721	-0.0054	0.4135	-0.28426
2011	6	10	55722	-0.0040	0.4147	-0.28541
2011	6	11	55723	-0.0026	0.4159	-0.28649
2011	6	12	55724	-0.0012	0.4171	-0.28744
2011	6	13	55725	0.0003	0.4183	-0.28822
2011	6	14	55726	0.0018	0.4194	-0.28882
2011	6	15	55727	0.0033	0.4205	-0.28927
2011	6	16	55728	0.0048	0.4216	-0.28963
2011	6	17	55729	0.0063	0.4227	-0.28998
2011	6	18	55730	0.0079	0.4237	-0.29035
2011	6	19	55731	0.0094	0.4248	-0.29078
2011	6	20	55732	0.0110	0.4258	-0.29128
2011	6	21	55733	0.0126	0.4267	-0.29184
2011	6	22	55734	0.0142	0.4277	-0.29244
2011	6	23	55735	0.0158	0.4286	-0.29305
2011	6	24	55736	0.0175	0.4295	-0.29361
2011	6	25	55737	0.0191	0.4304	-0.29407
2011	6	26	55738	0.0207	0.4312	-0.29440
2011	6	27	55739	0.0224	0.4321	-0.29459
2011	6	28	55740	0.0241	0.4329	-0.29465
2011	6	29	55741	0.0257	0.4337	-0.29462
2011	6	30	55742	0.0274	0.4344	-0.29452
2011	7	1	55743	0.0291	0.4351	-0.29443
2011	7	2	55744	0.0308	0.4359	-0.29441
2011	7	3	55745	0.0325	0.4365	-0.29453
2011	7	4	55746	0.0342	0.4372	-0.29483
2011	7	5	55747	0.0359	0.4378	-0.29529
2011	7	6	55748	0.0376	0.4384	-0.29585
2011	7	7	55749	0.0393	0.4390	-0.29643
2011	7	8	55750	0.0411	0.4395	-0.29692
2011	7	9	55751	0.0428	0.4401	-0.29722
2011	7	10	55752	0.0445	0.4406	-0.29730
2011	7	11	55753	0.0462	0.4410	-0.29717
2011	7	12	55754	0.0480	0.4415	-0.29688
2011	7	13	55755	0.0497	0.4419	-0.29649
2011	7	14	55756	0.0515	0.4423	-0.29610
2011	7	15	55757	0.0532	0.4427	-0.29578
2011	7	16	55758	0.0549	0.4430	-0.29558
2011	7	17	55759	0.0567	0.4433	-0.29550
2011	7	18	55760	0.0584	0.4436	-0.29551
2011	7	19	55761	0.0601	0.4439	-0.29557

2011	7	20	55762	0.0619	0.4441	-0.29563
2011	7	21	55763	0.0636	0.4443	-0.29563
2011	7	22	55764	0.0653	0.4445	-0.29555
2011	7	23	55765	0.0671	0.4447	-0.29535
2011	7	24	55766	0.0688	0.4448	-0.29503
2011	7	25	55767	0.0705	0.4449	-0.29458
2011	7	26	55768	0.0722	0.4450	-0.29406
2011	7	27	55769	0.0739	0.4451	-0.29349
2011	7	28	55770	0.0756	0.4451	-0.29295
2011	7	29	55771	0.0773	0.4451	-0.29252
2011	7	30	55772	0.0790	0.4451	-0.29225
2011	7	31	55773	0.0807	0.4450	-0.29220
2011	8	1	55774	0.0824	0.4450	-0.29239
2011	8	2	55775	0.0841	0.4449	-0.29274
2011	8	3	55776	0.0857	0.4448	-0.29318
2011	8	4	55777	0.0874	0.4446	-0.29359
2011	8	5	55778	0.0890	0.4445	-0.29385
2011	8	6	55779	0.0907	0.4443	-0.29392
2011	8	7	55780	0.0923	0.4441	-0.29377
2011	8	8	55781	0.0939	0.4438	-0.29345
2011	8	9	55782	0.0955	0.4436	-0.29304
2011	8	10	55783	0.0971	0.4433	-0.29262
2011	8	11	55784	0.0987	0.4430	-0.29225
2011	8	12	55785	0.1003	0.4427	-0.29200
2011	8	13	55786	0.1019	0.4423	-0.29188
2011	8	14	55787	0.1034	0.4420	-0.29187
2011	8	15	55788	0.1050	0.4416	-0.29196
2011	8	16	55789	0.1065	0.4411	-0.29210
2011	8	17	55790	0.1080	0.4407	-0.29222
2011	8	18	55791	0.1095	0.4402	-0.29229
2011	8	19	55792	0.1110	0.4398	-0.29228
2011	8	20	55793	0.1125	0.4393	-0.29216
2011	8	21	55794	0.1140	0.4387	-0.29195
2011	8	22	55795	0.1154	0.4382	-0.29165
2011	8	23	55796	0.1168	0.4376	-0.29132
2011	8	24	55797	0.1183	0.4370	-0.29099
2011	8	25	55798	0.1197	0.4364	-0.29075
2011	8	26	55799	0.1210	0.4358	-0.29066
2011	8	27	55800	0.1224	0.4352	-0.29080
2011	8	28	55801	0.1238	0.4345	-0.29119
2011	8	29	55802	0.1251	0.4338	-0.29183
2011	8	30	55803	0.1264	0.4331	-0.29262
2011	8	31	55804	0.1277	0.4324	-0.29345
2011	9	1	55805	0.1290	0.4317	-0.29419
2011	9	2	55806	0.1303	0.4309	-0.29473
2011	9	3	55807	0.1315	0.4301	-0.29505
2011	9	4	55808	0.1328	0.4293	-0.29517
2011	9	5	55809	0.1340	0.4285	-0.29516
2011	9	6	55810	0.1352	0.4277	-0.29513
2011	9	7	55811	0.1364	0.4269	-0.29514
2011	9	8	55812	0.1375	0.4260	-0.29525
2011	9	9	55813	0.1387	0.4251	-0.29548
2011	9	10	55814	0.1398	0.4242	-0.29585
2011	9	11	55815	0.1409	0.4233	-0.29632
2011	9	12	55816	0.1420	0.4224	-0.29685
2011	9	13	55817	0.1430	0.4215	-0.29740
2011	9	14	55818	0.1441	0.4205	-0.29792
2011	9	15	55819	0.1451	0.4196	-0.29837
2011	9	16	55820	0.1461	0.4186	-0.29873
2011	9	17	55821	0.1471	0.4176	-0.29899
2011	9	18	55822	0.1480	0.4166	-0.29917

2011	9	19	55823	0.1490	0.4156	-0.29939
2011	9	20	55824	0.1499	0.4146	-0.29961
2011	9	21	55825	0.1508	0.4135	-0.29987
2011	9	22	55826	0.1517	0.4125	-0.30025
2011	9	23	55827	0.1525	0.4114	-0.30083
2011	9	24	55828	0.1534	0.4103	-0.30164
2011	9	25	55829	0.1542	0.4093	-0.30271
2011	9	26	55830	0.1550	0.4082	-0.30399
2011	9	27	55831	0.1557	0.4071	-0.30539
2011	9	28	55832	0.1565	0.4059	-0.30677
2011	9	29	55833	0.1572	0.4048	-0.30800
2011	9	30	55834	0.1579	0.4037	-0.30901
2011	10	1	55835	0.1586	0.4026	-0.30979
2011	10	2	55836	0.1592	0.4014	-0.31040
2011	10	3	55837	0.1599	0.4003	-0.31094
2011	10	4	55838	0.1605	0.3991	-0.31149
2011	10	5	55839	0.1611	0.3979	-0.31212
2011	10	6	55840	0.1616	0.3967	-0.31286
2011	10	7	55841	0.1622	0.3956	-0.31371
2011	10	8	55842	0.1627	0.3944	-0.31465
2011	10	9	55843	0.1632	0.3932	-0.31565
2011	10	10	55844	0.1637	0.3920	-0.31667
2011	10	11	55845	0.1642	0.3908	-0.31766
2011	10	12	55846	0.1646	0.3896	-0.31857
2011	10	13	55847	0.1650	0.3883	-0.31939
2011	10	14	55848	0.1654	0.3871	-0.32010
2011	10	15	55849	0.1658	0.3859	-0.32071
2011	10	16	55850	0.1661	0.3847	-0.32124
2011	10	17	55851	0.1664	0.3835	-0.32174
2011	10	18	55852	0.1667	0.3822	-0.32226
2011	10	19	55853	0.1670	0.3810	-0.32287
2011	10	20	55854	0.1673	0.3798	-0.32361
2011	10	21	55855	0.1675	0.3785	-0.32455
2011	10	22	55856	0.1677	0.3773	-0.32571
2011	10	23	55857	0.1679	0.3760	-0.32709
2011	10	24	55858	0.1681	0.3748	-0.32863
2011	10	25	55859	0.1682	0.3736	-0.33022
2011	10	26	55860	0.1683	0.3723	-0.33173
2011	10	27	55861	0.1685	0.3711	-0.33306
2011	10	28	55862	0.1685	0.3698	-0.33417
2011	10	29	55863	0.1686	0.3686	-0.33508
2011	10	30	55864	0.1686	0.3674	-0.33586
2011	10	31	55865	0.1687	0.3661	-0.33661
2011	11	1	55866	0.1687	0.3649	-0.33741
2011	11	2	55867	0.1686	0.3637	-0.33831
2011	11	3	55868	0.1686	0.3624	-0.33930
2011	11	4	55869	0.1685	0.3612	-0.34037
2011	11	5	55870	0.1684	0.3600	-0.34149
2011	11	6	55871	0.1683	0.3588	-0.34261
2011	11	7	55872	0.1682	0.3575	-0.34369
2011	11	8	55873	0.1681	0.3563	-0.34471
2011	11	9	55874	0.1679	0.3551	-0.34562
2011	11	10	55875	0.1677	0.3539	-0.34641
2011	11	11	55876	0.1675	0.3527	-0.34709
2011	11	12	55877	0.1673	0.3515	-0.34768
2011	11	13	55878	0.1671	0.3503	-0.34822
2011	11	14	55879	0.1668	0.3491	-0.34875
2011	11	15	55880	0.1665	0.3480	-0.34933
2011	11	16	55881	0.1662	0.3468	-0.35002
2011	11	17	55882	0.1659	0.3456	-0.35086
2011	11	18	55883	0.1656	0.3445	-0.35189

2011	11	19	55884	0.1653	0.3433	-0.35310
2011	11	20	55885	0.1649	0.3422	-0.35445
2011	11	21	55886	0.1645	0.3410	-0.35588
2011	11	22	55887	0.1641	0.3399	-0.35728
2011	11	23	55888	0.1637	0.3388	-0.35856
2011	11	24	55889	0.1633	0.3377	-0.35964
2011	11	25	55890	0.1628	0.3366	-0.36051
2011	11	26	55891	0.1624	0.3355	-0.36122
2011	11	27	55892	0.1619	0.3344	-0.36186
2011	11	28	55893	0.1614	0.3333	-0.36251
2011	11	29	55894	0.1609	0.3323	-0.36323
2011	11	30	55895	0.1603	0.3312	-0.36404
2011	12	1	55896	0.1598	0.3302	-0.36492
2011	12	2	55897	0.1593	0.3291	-0.36584
2011	12	3	55898	0.1587	0.3281	-0.36674
2011	12	4	55899	0.1581	0.3271	-0.36759
2011	12	5	55900	0.1575	0.3261	-0.36835
2011	12	6	55901	0.1569	0.3251	-0.36898
2011	12	7	55902	0.1563	0.3241	-0.36948
2011	12	8	55903	0.1556	0.3231	-0.36984
2011	12	9	55904	0.1550	0.3221	-0.37008
2011	12	10	55905	0.1543	0.3212	-0.37024
2011	12	11	55906	0.1537	0.3202	-0.37037
2011	12	12	55907	0.1530	0.3193	-0.37055
2011	12	13	55908	0.1523	0.3184	-0.37082
2011	12	14	55909	0.1516	0.3175	-0.37125
2011	12	15	55910	0.1509	0.3166	-0.37186
2011	12	16	55911	0.1501	0.3157	-0.37265
2011	12	17	55912	0.1494	0.3149	-0.37361
2011	12	18	55913	0.1486	0.3140	-0.37466
2011	12	19	55914	0.1479	0.3132	-0.37572
2011	12	20	55915	0.1471	0.3123	-0.37672
2011	12	21	55916	0.1464	0.3115	-0.37759
2011	12	22	55917	0.1456	0.3107	-0.37830
2011	12	23	55918	0.1448	0.3099	-0.37888
2011	12	24	55919	0.1440	0.3091	-0.37937
2011	12	25	55920	0.1432	0.3084	-0.37987
2011	12	26	55921	0.1424	0.3076	-0.38045
2011	12	27	55922	0.1415	0.3069	-0.38113
2011	12	28	55923	0.1407	0.3062	-0.38192
2011	12	29	55924	0.1399	0.3055	-0.38279
2011	12	30	55925	0.1390	0.3048	-0.38369
2011	12	31	55926	0.1382	0.3041	-0.38458
2012	1	1	55927	0.1373	0.3034	-0.38542
2012	1	2	55928	0.1365	0.3028	-0.38619
2012	1	3	55929	0.1356	0.3021	-0.38684
2012	1	4	55930	0.1347	0.3015	-0.38735
2012	1	5	55931	0.1339	0.3009	-0.38773
2012	1	6	55932	0.1330	0.3003	-0.38800
2012	1	7	55933	0.1321	0.2997	-0.38821
2012	1	8	55934	0.1312	0.2991	-0.38845
2012	1	9	55935	0.1303	0.2986	-0.38883
2012	1	10	55936	0.1294	0.2980	-0.38942
2012	1	11	55937	0.1285	0.2975	-0.39025
2012	1	12	55938	0.1276	0.2970	-0.39131
2012	1	13	55939	0.1267	0.2965	-0.39256
2012	1	14	55940	0.1258	0.2960	-0.39387
2012	1	15	55941	0.1249	0.2955	-0.39515
2012	1	16	55942	0.1240	0.2951	-0.39633
2012	1	17	55943	0.1231	0.2946	-0.39730
2012	1	18	55944	0.1222	0.2942	-0.39806

2012	1	19	55945	0.1213	0.2938	-0.39860
2012	1	20	55946	0.1204	0.2934	-0.39902
2012	1	21	55947	0.1195	0.2930	-0.39941
2012	1	22	55948	0.1186	0.2926	-0.39988
2012	1	23	55949	0.1177	0.2923	-0.40049
2012	1	24	55950	0.1168	0.2919	-0.40125
2012	1	25	55951	0.1159	0.2916	-0.40213
2012	1	26	55952	0.1150	0.2913	-0.40309
2012	1	27	55953	0.1141	0.2910	-0.40410
2012	1	28	55954	0.1132	0.2907	-0.40510
2012	1	29	55955	0.1123	0.2904	-0.40605
2012	1	30	55956	0.1114	0.2901	-0.40692
2012	1	31	55957	0.1105	0.2899	-0.40764
2012	2	1	55958	0.1097	0.2897	-0.40827
2012	2	2	55959	0.1088	0.2894	-0.40882
2012	2	3	55960	0.1079	0.2892	-0.40937
2012	2	4	55961	0.1070	0.2890	-0.41001
2012	2	5	55962	0.1062	0.2889	-0.41072
2012	2	6	55963	0.1053	0.2887	-0.41163
2012	2	7	55964	0.1044	0.2885	-0.41271
2012	2	8	55965	0.1036	0.2884	-0.41400
2012	2	9	55966	0.1027	0.2883	-0.41548
2012	2	10	55967	0.1019	0.2881	-0.41704
2012	2	11	55968	0.1010	0.2880	-0.41863
2012	2	12	55969	0.1002	0.2879	-0.42013
2012	2	13	55970	0.0994	0.2879	-0.42142
2012	2	14	55971	0.0985	0.2878	-0.42245
2012	2	15	55972	0.0977	0.2877	-0.42325
2012	2	16	55973	0.0969	0.2877	-0.42382
2012	2	17	55974	0.0961	0.2877	-0.42429
2012	2	18	55975	0.0953	0.2876	-0.42483
2012	2	19	55976	0.0945	0.2876	-0.42542
2012	2	20	55977	0.0937	0.2876	-0.42613
2012	2	21	55978	0.0930	0.2876	-0.42697
2012	2	22	55979	0.0922	0.2877	-0.42794
2012	2	23	55980	0.0914	0.2877	-0.42894
2012	2	24	55981	0.0907	0.2877	-0.42986
2012	2	25	55982	0.0899	0.2878	-0.43071
2012	2	26	55983	0.0892	0.2879	-0.43141
2012	2	27	55984	0.0885	0.2879	-0.43199
2012	2	28	55985	0.0877	0.2880	-0.43251
2012	2	29	55986	0.0870	0.2881	-0.43296
2012	3	1	55987	0.0863	0.2882	-0.43338
2012	3	2	55988	0.0856	0.2883	-0.43379
2012	3	3	55989	0.0850	0.2885	-0.43426
2012	3	4	55990	0.0843	0.2886	-0.43488
2012	3	5	55991	0.0836	0.2887	-0.43567
2012	3	6	55992	0.0830	0.2889	-0.43671
2012	3	7	55993	0.0823	0.2890	-0.43802
2012	3	8	55994	0.0817	0.2892	-0.43954
2012	3	9	55995	0.0810	0.2894	-0.44116
2012	3	10	55996	0.0804	0.2896	-0.44282
2012	3	11	55997	0.0798	0.2898	-0.44435
2012	3	12	55998	0.0792	0.2900	-0.44565
2012	3	13	55999	0.0786	0.2902	-0.44676
2012	3	14	56000	0.0780	0.2904	-0.44771
2012	3	15	56001	0.0775	0.2906	-0.44862
2012	3	16	56002	0.0769	0.2909	-0.44958
2012	3	17	56003	0.0764	0.2911	-0.45066
2012	3	18	56004	0.0758	0.2913	-0.45185
2012	3	19	56005	0.0753	0.2916	-0.45320

2012	3	20	56006	0.0748	0.2919	-0.45462
2012	3	21	56007	0.0743	0.2921	-0.45609
2012	3	22	56008	0.0738	0.2924	-0.45754
2012	3	23	56009	0.0733	0.2927	-0.45895
2012	3	24	56010	0.0728	0.2929	-0.46032
2012	3	25	56011	0.0724	0.2932	-0.46154
2012	3	26	56012	0.0719	0.2935	-0.46262
2012	3	27	56013	0.0715	0.2938	-0.46362
2012	3	28	56014	0.0710	0.2941	-0.46454
2012	3	29	56015	0.0706	0.2944	-0.46537
2012	3	30	56016	0.0702	0.2947	-0.46623
2012	3	31	56017	0.0698	0.2951	-0.46718
2012	4	1	56018	0.0694	0.2954	-0.46827
2012	4	2	56019	0.0690	0.2957	-0.46959
2012	4	3	56020	0.0687	0.2960	-0.47117
2012	4	4	56021	0.0683	0.2964	-0.47295
2012	4	5	56022	0.0680	0.2967	-0.47487
2012	4	6	56023	0.0676	0.2970	-0.47682
2012	4	7	56024	0.0673	0.2974	-0.47867
2012	4	8	56025	0.0670	0.2977	-0.48039
2012	4	9	56026	0.0667	0.2981	-0.48191
2012	4	10	56027	0.0664	0.2984	-0.48322
2012	4	11	56028	0.0661	0.2988	-0.48440
2012	4	12	56029	0.0658	0.2991	-0.48553
2012	4	13	56030	0.0656	0.2995	-0.48668
2012	4	14	56031	0.0653	0.2999	-0.48792
2012	4	15	56032	0.0651	0.3002	-0.48919
2012	4	16	56033	0.0649	0.3006	-0.49048
2012	4	17	56034	0.0646	0.3009	-0.49174
2012	4	18	56035	0.0644	0.3013	-0.49298
2012	4	19	56036	0.0642	0.3017	-0.49418
2012	4	20	56037	0.0640	0.3020	-0.49532
2012	4	21	56038	0.0639	0.3024	-0.49636
2012	4	22	56039	0.0637	0.3028	-0.49729
2012	4	23	56040	0.0635	0.3031	-0.49811
2012	4	24	56041	0.0634	0.3035	-0.49878
2012	4	25	56042	0.0632	0.3039	-0.49935
2012	4	26	56043	0.0631	0.3043	-0.49989
2012	4	27	56044	0.0630	0.3046	-0.50054
2012	4	28	56045	0.0628	0.3050	-0.50125
2012	4	29	56046	0.0627	0.3054	-0.50218
2012	4	30	56047	0.0626	0.3057	-0.50337
2012	5	1	56048	0.0625	0.3061	-0.50475
2012	5	2	56049	0.0625	0.3065	-0.50629
2012	5	3	56050	0.0624	0.3068	-0.50781
2012	5	4	56051	0.0623	0.3072	-0.50927
2012	5	5	56052	0.0623	0.3075	-0.51052
2012	5	6	56053	0.0622	0.3079	-0.51158
2012	5	7	56054	0.0622	0.3083	-0.51247
2012	5	8	56055	0.0621	0.3086	-0.51320
2012	5	9	56056	0.0621	0.3090	-0.51389
2012	5	10	56057	0.0621	0.3093	-0.51461
2012	5	11	56058	0.0621	0.3097	-0.51538
2012	5	12	56059	0.0621	0.3100	-0.51621
2012	5	13	56060	0.0621	0.3104	-0.51708
2012	5	14	56061	0.0621	0.3107	-0.51801
2012	5	15	56062	0.0621	0.3111	-0.51894
2012	5	16	56063	0.0621	0.3114	-0.51983
2012	5	17	56064	0.0622	0.3117	-0.52065
2012	5	18	56065	0.0622	0.3121	-0.52134
2012	5	19	56066	0.0622	0.3124	-0.52186

2012	5	20	56067	0.0623	0.3127	-0.52229
2012	5	21	56068	0.0623	0.3131	-0.52258
2012	5	22	56069	0.0624	0.3134	-0.52277
2012	5	23	56070	0.0625	0.3137	-0.52290
2012	5	24	56071	0.0625	0.3140	-0.52303
2012	5	25	56072	0.0626	0.3143	-0.52321
2012	5	26	56073	0.0627	0.3146	-0.52350
2012	5	27	56074	0.0628	0.3150	-0.52391
2012	5	28	56075	0.0628	0.3153	-0.52448
2012	5	29	56076	0.0629	0.3156	-0.52519
2012	5	30	56077	0.0630	0.3158	-0.52598
2012	5	31	56078	0.0631	0.3161	-0.52684
2012	6	1	56079	0.0632	0.3164	-0.52772

These predictions are based on all announced leap seconds.

IERS Celestial Pole Offset Final Series

MJD	dpsi (msec. of arc)	deps
55653	-65.6	-10.0
55654	-65.5	-10.1
55655	-65.5	-10.5
55656	-65.4	-10.9
55657	-65.2	-11.1
55658	-65.0	-11.2
55659	-64.9	-11.3
55660	-65.0	-11.4
55661	-65.3	-11.5
55662	-65.5	-11.5
55663	-65.4	-11.4
55664	-65.2	-11.5
55665	-65.1	-11.4
55666	-65.1	-11.2
55667	-65.3	-10.8
55668	-65.7	-10.6
55669	-65.9	-10.7
55670	-65.9	-11.0
55671	-65.9	-11.2
55672	-65.7	-11.4
55673	-65.3	-11.5
55674	-65.1	-11.6
55675	-65.1	-11.7
55676	-65.6	-11.7
55677	-66.0	-11.7
55678	-65.9	-11.7
55679	-65.5	-11.6
55680	-65.1	-11.3
55681	-65.0	-11.1
55682	-65.2	-11.2

IAU2000A Celestial Pole Offset Final Series

MJD	dX (msec. of arc)	dY
55653	-0.03	-0.17
55654	-0.02	-0.20
55655	-0.01	-0.32
55656	0.02	-0.40
55657	0.04	-0.39
55658	0.05	-0.39
55659	0.06	-0.41
55660	0.08	-0.40

55661	0.04	-0.42
55662	-0.01	-0.41
55663	-0.03	-0.30
55664	-0.08	-0.32
55665	-0.16	-0.19
55666	-0.20	-0.19
55667	-0.21	-0.17
55668	-0.22	-0.21
55669	-0.17	-0.21
55670	-0.13	-0.21
55671	-0.17	-0.19
55672	-0.17	-0.30
55673	-0.14	-0.32
55674	-0.18	-0.33
55675	-0.15	-0.39
55676	-0.17	-0.43
55677	-0.16	-0.45
55678	-0.14	-0.42
55679	-0.14	-0.31
55680	-0.15	-0.10
55681	-0.15	-0.02
55682	-0.16	-0.11

The recommended software to predict celestial pole offsets can be found at

<<http://www.usno.navy.mil/USNO/earth-orientation/software/aux/ceppred.f>>

and software for the calculation of the dX and dY components with respect to IAU2000A Nutation/Precession Theory can be found at the

<<http://maia.usno.navy.mil/conv2010/conventions.html>>

web site in Chapter 5 Section 5.5 of the IERS Conventions (2010).