

INTERNATIONAL EARTH ROTATION SERVICE
EARTH ROTATION PARAMETERS
EOP (IERS) C 04

FORMAT(2X,A4,I3,2X,I5,2F9.5,F10.6,2X,F10.6,2X,2F9.5)

Date	MJD	x	y	UT1-UTC	LOD	dPsi	dEpsilon	
		"	"	s	s	"	"	
(0h UTC)								
YEAR ==> 1996								
JAN	1	50083	-.17607	.19196	.555332	.001938	-.02960	-.00456
JAN	2	50084	-.17742	.19488	.553485	.001763	-.02957	-.00460
JAN	3	50085	-.17831	.19763	.551795	.001636	-.02938	-.00463
JAN	4	50086	-.17932	.20062	.550200	.001561	-.02906	-.00480
JAN	5	50087	-.18046	.20397	.548660	.001536	-.02860	-.00492
JAN	6	50088	-.18175	.20734	.547117	.001578	-.02825	-.00507
JAN	7	50089	-.18354	.21058	.545494	.001685	-.02800	-.00516
JAN	8	50090	-.18542	.21361	.543741	.001812	-.02799	-.00532
JAN	9	50091	-.18684	.21633	.541867	.001904	-.02805	-.00538
JAN	10	50092	-.18854	.21865	.539936	.001950	-.02827	-.00536
JAN	11	50093	-.19071	.22117	.537974	.001980	-.02860	-.00529
JAN	12	50094	-.19243	.22402	.535984	.002001	-.02897	-.00519
JAN	13	50095	-.19456	.22732	.533982	.002010	-.02920	-.00515
JAN	14	50096	-.19677	.23072	.531978	.001992	-.02933	-.00506
JAN	15	50097	-.19842	.23353	.530008	.001947	-.02941	-.00501
JAN	16	50098	-.19971	.23576	.528088	.001885	-.02942	-.00495
JAN	17	50099	-.20092	.23830	.526233	.001808	-.02928	-.00496
JAN	18	50100	-.20219	.24149	.524459	.001737	-.02914	-.00502
JAN	19	50101	-.20350	.24516	.522738	.001763	-.02897	-.00511
JAN	20	50102	-.20503	.24912	.520914	.001907	-.02885	-.00514
JAN	21	50103	-.20668	.25310	.518916	.002059	-.02884	-.00511
JAN	22	50104	-.20815	.25662	.516803	.002134	-.02889	-.00507
JAN	23	50105	-.20961	.25985	.514669	.002128	-.02901	-.00503
JAN	24	50106	-.21104	.26319	.512574	.002078	-.02927	-.00493
JAN	25	50107	-.21207	.26669	.510535	.002002	-.02952	-.00488
JAN	26	50108	-.21274	.27050	.508585	.001881	-.02979	-.00480
JAN	27	50109	-.21361	.27448	.506777	.001719	-.02999	-.00488
JAN	28	50110	-.21518	.27837	.505144	.001572	-.03008	-.00501
JAN	29	50111	-.21708	.28207	.503626	.001472	-.03000	-.00526
JAN	30	50112	-.21862	.28545	.502188	.001403	-.02985	-.00539
JAN	31	50113	-.21995	.28874	.500808	.001369	-.02957	-.00568
FEB	1	50114	-.22109	.29200	.499438	.001395	-.02921	-.00582
FEB	2	50115	-.22171	.29567	.498004	.001492	-.02885	-.00579
FEB	3	50116	-.22200	.29967	.496442	.001615	-.02856	-.00580
FEB	4	50117	-.22203	.30340	.494765	.001734	-.02841	-.00577
FEB	5	50118	-.22223	.30702	.492970	.001841	-.02842	-.00572
FEB	6	50119	-.22300	.31077	.491083	.001928	-.02849	-.00569
FEB	7	50120	-.22354	.31449	.489120	.002025	-.02848	-.00571
FEB	8	50121	-.22429	.31806	.487044	.002131	-.02855	-.00578

FEB	9	50122	-.22524	.32132	.484872	.002155	-.02860	-.00592
FEB	10	50123	-.22531	.32403	.482746	.002105	-.02877	-.00592
FEB	11	50124	-.22441	.32662	.480673	.002061	-.02900	-.00606
FEB	12	50125	-.22338	.32954	.478628	.002015	-.02937	-.00610
FEB	13	50126	-.22209	.33261	.476642	.001947	-.02967	-.00603
FEB	14	50127	-.22075	.33592	.474722	.001914	-.03006	-.00590
FEB	15	50128	-.21954	.33965	.472796	.001949	-.03019	-.00582
FEB	16	50129	-.21875	.34390	.470805	.002034	-.03014	-.00576
FEB	17	50130	-.21848	.34863	.468713	.002183	-.02999	-.00566
FEB	18	50131	-.21862	.35336	.466435	.002388	-.02969	-.00572
FEB	19	50132	-.21938	.35767	.463950	.002561	-.02936	-.00577
FEB	20	50133	-.22033	.36143	.461336	.002624	-.02918	-.00596
FEB	21	50134	-.22099	.36470	.458729	.002562	-.02920	-.00609
FEB	22	50135	-.22138	.36792	.456234	.002430	-.02937	-.00619
FEB	23	50136	-.22131	.37099	.453881	.002278	-.02971	-.00635
FEB	24	50137	-.22118	.37471	.451680	.002109	-.03013	-.00647
FEB	25	50138	-.22086	.37911	.449655	.001946	-.03051	-.00661
FEB	26	50139	-.22025	.38331	.447776	.001817	-.03072	-.00675
FEB	27	50140	-.21976	.38729	.446006	.001725	-.03067	-.00686
FEB	28	50141	-.21947	.39111	.444311	.001693	-.03043	-.00702
FEB	29	50142	-.21889	.39467	.442605	.001775	-.02997	-.00711
MAR	1	50143	-.21767	.39858	.440747	.001942	-.02955	-.00713
MAR	2	50144	-.21592	.40285	.438712	.002070	-.02904	-.00721
MAR	3	50145	-.21412	.40693	.436602	.002190	-.02879	-.00717
MAR	4	50146	-.21241	.41087	.434333	.002353	-.02861	-.00723
MAR	5	50147	-.21066	.41500	.431900	.002490	-.02868	-.00723
MAR	6	50148	-.20863	.41930	.429361	.002573	-.02883	-.00718
MAR	7	50149	-.20673	.42341	.426768	.002595	-.02919	-.00720
MAR	8	50150	-.20543	.42714	.424186	.002586	-.02950	-.00728
MAR	9	50151	-.20399	.43091	.421608	.002591	-.02978	-.00731
MAR	10	50152	-.20268	.43443	.419011	.002545	-.03000	-.00736
MAR	11	50153	-.20127	.43776	.416516	.002454	-.02995	-.00749
MAR	12	50154	-.19953	.44120	.414095	.002384	-.02977	-.00759
MAR	13	50155	-.19815	.44459	.411732	.002287	-.02951	-.00772
MAR	14	50156	-.19669	.44814	.409501	.002189	-.02915	-.00769
MAR	15	50157	-.19480	.45164	.407338	.002184	-.02876	-.00770
MAR	16	50158	-.19270	.45501	.405123	.002262	-.02851	-.00776
MAR	17	50159	-.19059	.45842	.402816	.002347	-.02842	-.00782
MAR	18	50160	-.18836	.46186	.400446	.002419	-.02839	-.00789
MAR	19	50161	-.18523	.46586	.398003	.002464	-.02849	-.00780
MAR	20	50162	-.18162	.47054	.395542	.002426	-.02876	-.00778
MAR	21	50163	-.17878	.47493	.393171	.002337	-.02901	-.00782
MAR	22	50164	-.17689	.47869	.390877	.002241	-.02928	-.00782
MAR	23	50165	-.17546	.48193	.388686	.002097	-.02940	-.00786
MAR	24	50166	-.17367	.48470	.386674	.001961	-.02956	-.00801
MAR	25	50167	-.17116	.48733	.384754	.001902	-.02947	-.00813
MAR	26	50168	-.16854	.48994	.382855	.001887	-.02935	-.00830
MAR	27	50169	-.16562	.49275	.380965	.001878	-.02908	-.00842
MAR	28	50170	-.16261	.49573	.379085	.001894	-.02884	-.00846
MAR	29	50171	-.15976	.49870	.377167	.001971	-.02849	-.00845
MAR	30	50172	-.15683	.50149	.375135	.002086	-.02819	-.00851
MAR	31	50173	-.15422	.50447	.372991	.002160	-.02806	-.00847
APR	1	50174	-.15180	.50754	.370816	.002254	-.02808	-.00835

APR	2	50175	-.14941	.51055	.368490	.002443	-.02831	-.00829
APR	3	50176	-.14735	.51338	.365941	.002556	-.02868	-.00829
APR	4	50177	-.14560	.51564	.363392	.002517	-.02901	-.00825
APR	5	50178	-.14388	.51742	.360924	.002481	-.02934	-.00837
APR	6	50179	-.14200	.51915	.358443	.002447	-.02961	-.00851
APR	7	50180	-.14012	.52095	.356033	.002376	-.02971	-.00865
APR	8	50181	-.13814	.52277	.353685	.002309	-.02967	-.00886
APR	9	50182	-.13542	.52496	.351402	.002270	-.02943	-.00892
APR	10	50183	-.13222	.52784	.349127	.002275	-.02906	-.00901
APR	11	50184	-.12908	.53099	.346835	.002312	-.02864	-.00893
APR	12	50185	-.12631	.53391	.344490	.002420	-.02824	-.00901
APR	13	50186	-.12342	.53671	.341995	.002564	-.02789	-.00896
APR	14	50187	-.12004	.53934	.339371	.002612	-.02762	-.00883
APR	15	50188	-.11638	.54181	.336788	.002565	-.02758	-.00883
APR	16	50189	-.11265	.54436	.334263	.002521	-.02774	-.00878
APR	17	50190	-.10935	.54687	.331768	.002464	-.02800	-.00890
APR	18	50191	-.10657	.54941	.329349	.002316	-.02830	-.00899
APR	19	50192	-.10376	.55187	.327139	.002124	-.02848	-.00911
APR	20	50193	-.10055	.55440	.325096	.001990	-.02870	-.00916
APR	21	50194	-.09762	.55628	.323148	.001932	-.02865	-.00929
APR	22	50195	-.09462	.55788	.321218	.001912	-.02856	-.00929
APR	23	50196	-.09098	.55999	.319308	.001890	-.02830	-.00932
APR	24	50197	-.08764	.56175	.317425	.001902	-.02804	-.00929
APR	25	50198	-.08435	.56343	.315494	.001976	-.02766	-.00929
APR	26	50199	-.08076	.56504	.313465	.002078	-.02731	-.00916
APR	27	50200	-.07673	.56614	.311332	.002187	-.02712	-.00912
APR	28	50201	-.07237	.56757	.309089	.002309	-.02709	-.00909
APR	29	50202	-.06795	.56957	.306718	.002431	-.02720	-.00910
APR	30	50203	-.06363	.57214	.304234	.002531	-.02756	-.00908
MAY	1	50204	-.05960	.57469	.301669	.002601	-.02801	-.00912
MAY	2	50205	-.05635	.57678	.299046	.002630	-.02848	-.00933
MAY	3	50206	-.05320	.57822	.296423	.002599	-.02890	-.00946
MAY	4	50207	-.04961	.57957	.293858	.002511	-.02926	-.00961
MAY	5	50208	-.04576	.58090	.291400	.002407	-.02946	-.00973
MAY	6	50209	-.04179	.58220	.289033	.002337	-.02954	-.00981
MAY	7	50210	-.03774	.58345	.286708	.002328	-.02938	-.00972
MAY	8	50211	-.03343	.58465	.284360	.002372	-.02913	-.00966
MAY	9	50212	-.02899	.58597	.281953	.002446	-.02889	-.00945
MAY	10	50213	-.02463	.58713	.279467	.002550	-.02859	-.00931
MAY	11	50214	-.02044	.58797	.276859	.002651	-.02846	-.00917
MAY	12	50215	-.01598	.58895	.274179	.002691	-.02839	-.00915
MAY	13	50216	-.01139	.59002	.271496	.002656	-.02842	-.00909
MAY	14	50217	-.00739	.59086	.268885	.002559	-.02859	-.00899
MAY	15	50218	-.00350	.59191	.266393	.002434	-.02882	-.00905
MAY	16	50219	.00025	.59282	.264026	.002269	-.02894	-.00907
MAY	17	50220	.00336	.59334	.261853	.002089	-.02911	-.00921
MAY	18	50221	.00630	.59366	.259841	.001942	-.02921	-.00925
MAY	19	50222	.00986	.59409	.257957	.001833	-.02906	-.00926
MAY	20	50223	.01368	.59473	.256160	.001753	-.02892	-.00932
MAY	21	50224	.01743	.59519	.254438	.001687	-.02865	-.00930
MAY	22	50225	.02103	.59534	.252776	.001659	-.02844	-.00933
MAY	23	50226	.02499	.59509	.251110	.001690	-.02824	-.00921
MAY	24	50227	.02976	.59514	.249389	.001744	-.02820	-.00916

MAY	25	50228	.03475	.59554	.247620	.001822	-.02822	-.00912
MAY	26	50229	.03982	.59585	.245746	.001905	-.02849	-.00912
MAY	27	50230	.04503	.59601	.243817	.001947	-.02874	-.00908
MAY	28	50231	.04995	.59623	.241861	.001959	-.02911	-.00910
MAY	29	50232	.05417	.59657	.239911	.001944	-.02951	-.00919
MAY	30	50233	.05779	.59676	.237987	.001909	-.02988	-.00922
MAY	31	50234	.06152	.59681	.236104	.001847	-.03009	-.00926
JUN	1	50235	.06566	.59650	.234296	.001753	-.03024	-.00930
JUN	2	50236	.07004	.59560	.232593	.001664	-.03036	-.00929
JUN	3	50237	.07445	.59471	.230952	.001640	-.03029	-.00922
JUN	4	50238	.07871	.59394	.229294	.001688	-.03024	-.00909
JUN	5	50239	.08256	.59266	.227562	.001782	-.03015	-.00899
JUN	6	50240	.08657	.59126	.225727	.001884	-.03020	-.00886
JUN	7	50241	.09083	.59017	.223800	.001960	-.03022	-.00881
JUN	8	50242	.09477	.58923	.221823	.002002	-.03050	-.00869
JUN	9	50243	.09811	.58806	.219816	.002049	-.03080	-.00870
JUN	10	50244	.10111	.58653	.217742	.002067	-.03117	-.00878
JUN	11	50245	.10496	.58502	.215693	.001974	-.03152	-.00893
JUN	12	50246	.10924	.58362	.213801	.001797	-.03178	-.00903
JUN	13	50247	.11356	.58197	.212098	.001657	-.03201	-.00927
JUN	14	50248	.11804	.58035	.210480	.001550	-.03206	-.00941
JUN	15	50249	.12236	.57909	.208987	.001365	-.03186	-.00953
JUN	16	50250	.12642	.57755	.207736	.001233	-.03174	-.00951
JUN	17	50251	.13058	.57527	.206509	.001223	-.03157	-.00952
JUN	18	50252	.13461	.57322	.205280	.001206	-.03153	-.00936
JUN	19	50253	.13820	.57152	.204088	.001210	-.03168	-.00915
JUN	20	50254	.14166	.56962	.202853	.001286	-.03219	-.00901
JUN	21	50255	.14524	.56777	.201512	.001400	-.03286	-.00877
JUN	22	50256	.14904	.56625	.200053	.001508	-.03359	-.00865
JUN	23	50257	.15317	.56499	.198501	.001572	-.03412	-.00859
JUN	24	50258	.15691	.56382	.196917	.001586	-.03429	-.00859
JUN	25	50259	.16012	.56245	.195340	.001564	-.03412	-.00876
JUN	26	50260	.16325	.56060	.193801	.001518	-.03374	-.00887
JUN	27	50261	.16647	.55805	.192314	.001457	-.03331	-.00902
JUN	28	50262	.16938	.55543	.190892	.001382	-.03301	-.00916
JUN	29	50263	.17244	.55266	.189549	.001296	-.03296	-.00916
JUN	30	50264	.17583	.54979	.188286	.001216	-.03321	-.00912
JUL	1	50265	.17928	.54698	.187096	.001178	-.03365	-.00890
JUL	2	50266	.18235	.54441	.185913	.001200	-.03433	-.00873
JUL	3	50267	.18522	.54187	.184689	.001258	-.03503	-.00840
JUL	4	50268	.18828	.53910	.183401	.001342	-.03560	-.00826
JUL	5	50269	.19182	.53619	.182022	.001428	-.03593	-.00822
JUL	6	50270	.19556	.53323	.180567	.001471	-.03609	-.00832
JUL	7	50271	.19945	.53071	.179101	.001438	-.03615	-.00838
JUL	8	50272	.20382	.52879	.177706	.001330	-.03601	-.00860
JUL	9	50273	.20778	.52672	.176448	.001176	-.03591	-.00879
JUL	10	50274	.21134	.52420	.175353	.001031	-.03588	-.00892
JUL	11	50275	.21508	.52151	.174379	.000941	-.03589	-.00897
JUL	12	50276	.21849	.51862	.173461	.000880	-.03584	-.00900
JUL	13	50277	.22160	.51569	.172605	.000817	-.03595	-.00899
JUL	14	50278	.22477	.51283	.171813	.000798	-.03609	-.00892
JUL	15	50279	.22766	.50973	.170997	.000849	-.03613	-.00878
JUL	16	50280	.23045	.50643	.170105	.000918	-.03625	-.00869

JUL	17	50281	.23310	.50339	.169154	.000980	-.03620	-.00856
JUL	18	50282	.23537	.50067	.168142	.001052	-.03632	-.00851
JUL	19	50283	.23748	.49814	.167051	.001140	-.03650	-.00838
JUL	20	50284	.23914	.49525	.165864	.001232	-.03661	-.00840
JUL	21	50285	.24022	.49217	.164594	.001280	-.03687	-.00848
JUL	22	50286	.24126	.48919	.163312	.001291	-.03712	-.00863
JUL	23	50287	.24269	.48623	.162021	.001318	-.03749	-.00873
JUL	24	50288	.24419	.48372	.160685	.001342	-.03781	-.00887
JUL	25	50289	.24535	.48121	.159342	.001324	-.03806	-.00901
JUL	26	50290	.24675	.47813	.158036	.001278	-.03835	-.00913
JUL	27	50291	.24843	.47478	.156779	.001226	-.03853	-.00921
JUL	28	50292	.25043	.47173	.155568	.001230	-.03886	-.00922
JUL	29	50293	.25267	.46906	.154299	.001310	-.03912	-.00916
JUL	30	50294	.25454	.46653	.152933	.001449	-.03938	-.00895
JUL	31	50295	.25614	.46391	.151397	.001631	-.03959	-.00881
AUG	1	50296	.25769	.46082	.149683	.001761	-.03977	-.00856
AUG	2	50297	.25926	.45761	.147901	.001772	-.03990	-.00845
AUG	3	50298	.26082	.45395	.146169	.001673	-.03993	-.00839
AUG	4	50299	.26217	.44979	.144577	.001494	-.04000	-.00829
AUG	5	50300	.26318	.44576	.143194	.001273	-.04013	-.00836
AUG	6	50301	.26461	.44178	.142032	.001105	-.04025	-.00837
AUG	7	50302	.26716	.43770	.140979	.000951	-.04051	-.00852
AUG	8	50303	.26999	.43379	.140118	.000798	-.04080	-.00866
AUG	9	50304	.27260	.43019	.139370	.000732	-.04115	-.00877
AUG	10	50305	.27446	.42659	.138639	.000675	-.04141	-.00892
AUG	11	50306	.27586	.42288	.138006	.000645	-.04144	-.00900
AUG	12	50307	.27753	.41941	.137337	.000703	-.04123	-.00893
AUG	13	50308	.27986	.41603	.136594	.000787	-.04083	-.00880
AUG	14	50309	.28213	.41250	.135760	.000877	-.04030	-.00866
AUG	15	50310	.28432	.40905	.134841	.000954	-.03983	-.00852
AUG	16	50311	.28610	.40553	.133856	.001038	-.03950	-.00842
AUG	17	50312	.28726	.40184	.132773	.001140	-.03936	-.00828
AUG	18	50313	.28840	.39806	.131587	.001187	-.03952	-.00831
AUG	19	50314	.28994	.39449	.130410	.001169	-.03982	-.00849
AUG	20	50315	.29128	.39110	.129259	.001149	-.04029	-.00862
AUG	21	50316	.29256	.38759	.128117	.001131	-.04069	-.00887
AUG	22	50317	.29391	.38398	.126998	.001122	-.04103	-.00900
AUG	23	50318	.29488	.38052	.125866	.001129	-.04124	-.00919
AUG	24	50319	.29591	.37716	.124726	.001127	-.04148	-.00922
AUG	25	50320	.29689	.37361	.123594	.001161	-.04152	-.00928
AUG	26	50321	.29720	.36964	.122386	.001267	-.04154	-.00919
AUG	27	50322	.29720	.36538	.121049	.001409	-.04170	-.00905
AUG	28	50323	.29738	.36133	.119569	.001579	-.04182	-.00891
AUG	29	50324	.29777	.35702	.117909	.001743	-.04201	-.00868
AUG	30	50325	.29789	.35250	.116113	.001821	-.04212	-.00840
AUG	31	50326	.29791	.34785	.114296	.001769	-.04228	-.00818
SEP	1	50327	.29726	.34338	.112598	.001579	-.04233	-.00803
SEP	2	50328	.29658	.33898	.111146	.001388	-.04229	-.00803
SEP	3	50329	.29644	.33456	.109820	.001301	-.04221	-.00807
SEP	4	50330	.29584	.33045	.108535	.001195	-.04216	-.00822
SEP	5	50331	.29530	.32640	.107415	.001012	-.04205	-.00834
SEP	6	50332	.29477	.32226	.106497	.000910	-.04183	-.00851
SEP	7	50333	.29421	.31820	.105579	.000927	-.04176	-.00861

SEP	8	50334	.29355	.31444	.104631	.000953	-.04172	-.00876
SEP	9	50335	.29291	.31066	.103663	.001032	-.04168	-.00875
SEP	10	50336	.29244	.30672	.102559	.001207	-.04169	-.00870
SEP	11	50337	.29194	.30304	.101247	.001405	-.04177	-.00856
SEP	12	50338	.29135	.29947	.099752	.001594	-.04180	-.00835
SEP	13	50339	.29046	.29585	.098065	.001751	-.04194	-.00829
SEP	14	50340	.28918	.29228	.096258	.001807	-.04201	-.00819
SEP	15	50341	.28774	.28831	.094462	.001801	-.04203	-.00816
SEP	16	50342	.28612	.28383	.092667	.001786	-.04205	-.00818
SEP	17	50343	.28442	.27927	.090900	.001719	-.04201	-.00822
SEP	18	50344	.28361	.27518	.089232	.001632	-.04180	-.00836
SEP	19	50345	.28313	.27117	.087631	.001595	-.04155	-.00847
SEP	20	50346	.28259	.26721	.086028	.001577	-.04120	-.00862
SEP	21	50347	.28205	.26360	.084459	.001590	-.04103	-.00860
SEP	22	50348	.28137	.26050	.082830	.001710	-.04092	-.00862
SEP	23	50349	.28037	.25764	.081024	.001913	-.04103	-.00850
SEP	24	50350	.27885	.25417	.078999	.002125	-.04130	-.00835
SEP	25	50351	.27711	.25020	.076783	.002290	-.04163	-.00822
SEP	26	50352	.27558	.24633	.074439	.002384	-.04201	-.00802
SEP	27	50353	.27371	.24258	.072044	.002359	-.04226	-.00788
SEP	28	50354	.27171	.23857	.069747	.002199	-.04242	-.00771
SEP	29	50355	.27009	.23483	.067664	.002030	-.04252	-.00749
SEP	30	50356	.26876	.23163	.065692	.001932	-.04239	-.00742
OCT	1	50357	.26718	.22832	.063792	.001848	-.04209	-.00737
OCT	2	50358	.26552	.22457	.061983	.001736	-.04163	-.00740
OCT	3	50359	.26369	.22049	.060305	.001623	-.04124	-.00759
OCT	4	50360	.26171	.21679	.058722	.001567	-.04088	-.00782
OCT	5	50361	.25976	.21326	.057158	.001567	-.04062	-.00808
OCT	6	50362	.25787	.20964	.055577	.001594	-.04044	-.00819
OCT	7	50363	.25603	.20635	.053962	.001668	-.04030	-.00835
OCT	8	50364	.25408	.20336	.052237	.001785	-.04033	-.00831
OCT	9	50365	.25192	.20061	.050392	.001906	-.04051	-.00818
OCT	10	50366	.24966	.19794	.048429	.002014	-.04062	-.00800
OCT	11	50367	.24719	.19507	.046373	.002074	-.04079	-.00778
OCT	12	50368	.24475	.19190	.044291	.002091	-.04084	-.00753
OCT	13	50369	.24233	.18886	.042203	.002094	-.04079	-.00733
OCT	14	50370	.23980	.18587	.040114	.002086	-.04061	-.00727
OCT	15	50371	.23736	.18276	.038037	.002052	-.04035	-.00722
OCT	16	50372	.23503	.17998	.036009	.001991	-.04004	-.00724
OCT	17	50373	.23268	.17734	.034045	.001923	-.03962	-.00731
OCT	18	50374	.23033	.17461	.032148	.001877	-.03935	-.00741
OCT	19	50375	.22778	.17193	.030273	.001919	-.03911	-.00746
OCT	20	50376	.22509	.16933	.028294	.002080	-.03898	-.00744
OCT	21	50377	.22254	.16670	.026104	.002240	-.03899	-.00730
OCT	22	50378	.22011	.16418	.023815	.002314	-.03907	-.00716
OCT	23	50379	.21738	.16172	.021488	.002401	-.03921	-.00695
OCT	24	50380	.21420	.15896	.019036	.002478	-.03944	-.00669
OCT	25	50381	.21108	.15573	.016558	.002438	-.03961	-.00649
OCT	26	50382	.20850	.15254	.014181	.002306	-.03974	-.00636
OCT	27	50383	.20649	.14953	.011958	.002128	-.03975	-.00628
OCT	28	50384	.20471	.14669	.009927	.001938	-.03961	-.00632
OCT	29	50385	.20262	.14401	.008071	.001793	-.03930	-.00636
OCT	30	50386	.19997	.14116	.006328	.001714	-.03884	-.00657

OCT	31	50387	.19732	.13828	.004629	.001654	-.03849	-.00662
NOV	1	50388	.19444	.13519	.003008	.001596	-.03803	-.00680
NOV	2	50389	.19132	.13206	.001424	.001635	-.03762	-.00692
NOV	3	50390	.18849	.12935	-.000272	.001762	-.03733	-.00700
NOV	4	50391	.18541	.12685	-.002105	.001885	-.03710	-.00705
NOV	5	50392	.18185	.12457	-.004043	.001985	-.03704	-.00712
NOV	6	50393	.17817	.12290	-.006071	.002094	-.03711	-.00702
NOV	7	50394	.17396	.12116	-.008226	.002202	-.03717	-.00698
NOV	8	50395	.16984	.11918	-.010465	.002211	-.03733	-.00691
NOV	9	50396	.16606	.11716	-.012636	.002127	-.03752	-.00680
NOV	10	50397	.16232	.11537	-.014708	.002071	-.03759	-.00673
NOV	11	50398	.15849	.11378	-.016770	.002053	-.03759	-.00667
NOV	12	50399	.15453	.11239	-.018810	.002029	-.03742	-.00660
NOV	13	50400	.15046	.11110	-.020835	.002010	-.03723	-.00659
NOV	14	50401	.14607	.10993	-.022843	.001937	-.03697	-.00652
NOV	15	50402	.14171	.10849	-.024726	.001834	-.03681	-.00638
NOV	16	50403	.13759	.10655	-.026529	.001843	-.03664	-.00628
NOV	17	50404	.13402	.10457	-.028422	.001972	-.03670	-.00615
NOV	18	50405	.13105	.10297	-.030470	.002095	-.03673	-.00600
NOV	19	50406	.12804	.10147	-.032601	.002150	-.03692	-.00578
NOV	20	50407	.12499	.10035	-.034754	.002166	-.03723	-.00560
NOV	21	50408	.12197	.09940	-.036912	.002139	-.03739	-.00548
NOV	22	50409	.11899	.09868	-.039013	.002044	-.03744	-.00533
NOV	23	50410	.11590	.09809	-.040985	.001902	-.03740	-.00534
NOV	24	50411	.11255	.09708	-.042812	.001769	-.03721	-.00528
NOV	25	50412	.10892	.09596	-.044528	.001683	-.03675	-.00532
NOV	26	50413	.10501	.09511	-.046189	.001635	-.03624	-.00544
NOV	27	50414	.10123	.09463	-.047811	.001601	-.03571	-.00551
NOV	28	50415	.09726	.09434	-.049403	.001578	-.03514	-.00551
NOV	29	50416	.09336	.09392	-.050980	.001580	-.03461	-.00565
NOV	30	50417	.08944	.09330	-.052572	.001613	-.03417	-.00584
DEC	1	50418	.08586	.09264	-.054213	.001665	-.03399	-.00590
DEC	2	50419	.08235	.09171	-.055905	.001703	-.03398	-.00596
DEC	3	50420	.07864	.09091	-.057618	.001721	-.03411	-.00594
DEC	4	50421	.07495	.09064	-.059343	.001759	-.03435	-.00599
DEC	5	50422	.07091	.09026	-.061128	.001807	-.03472	-.00589
DEC	6	50423	.06651	.08943	-.062948	.001816	-.03504	-.00576
DEC	7	50424	.06229	.08852	-.064751	.001783	-.03535	-.00578
DEC	8	50425	.05844	.08764	-.066506	.001719	-.03561	-.00573
DEC	9	50426	.05452	.08665	-.068184	.001647	-.03559	-.00566
DEC	10	50427	.05047	.08578	-.069801	.001626	-.03554	-.00557
DEC	11	50428	.04661	.08537	-.071446	.001665	-.03529	-.00552
DEC	12	50429	.04291	.08498	-.073146	.001698	-.03502	-.00550
DEC	13	50430	.03969	.08442	-.074860	.001758	-.03481	-.00542
DEC	14	50431	.03677	.08484	-.076672	.001903	-.03463	-.00529
DEC	15	50432	.03387	.08571	-.078666	.002053	-.03460	-.00515
DEC	16	50433	.03102	.08632	-.080767	.002127	-.03474	-.00501
DEC	17	50434	.02788	.08708	-.082901	.002152	-.03502	-.00492
DEC	18	50435	.02455	.08785	-.085050	.002164	-.03537	-.00478
DEC	19	50436	.02130	.08851	-.087211	.002139	-.03584	-.00471
DEC	20	50437	.01815	.08920	-.089316	.002034	-.03623	-.00460
DEC	21	50438	.01509	.08973	-.091276	.001886	-.03649	-.00453
DEC	22	50439	.01225	.09027	-.093086	.001784	-.03649	-.00468

DEC	23	50440	.00980	.09097	-.094855	.001752	-.03632	-.00471
DEC	24	50441	.00734	.09142	-.096603	.001713	-.03603	-.00479
DEC	25	50442	.00471	.09197	-.098295	.001678	-.03566	-.00482
DEC	26	50443	.00153	.09247	-.099973	.001696	-.03511	-.00488
DEC	27	50444	-.00190	.09267	-.101697	.001749	-.03463	-.00488
DEC	28	50445	-.00565	.09289	-.103476	.001801	-.03430	-.00495
DEC	29	50446	-.01022	.09328	-.105302	.001848	-.03413	-.00490
DEC	30	50447	-.01445	.09412	-.107172	.001884	-.03412	-.00498
DEC	31	50448	-.01901	.09492	-.109067	.001902	-.03413	-.00490