

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 ==> 1984								
JAN	1	45700	-.13329	.09160	.395840	.001750	.00120	.00302
JAN	2	45701	-.13558	.09484	.394165	.001605	.00098	.00159
JAN	3	45702	-.13815	.09797	.392608	.001517	.00115	.00169
JAN	4	45703	-.14115	.10086	.391107	.001490	.00139	.00194
JAN	5	45704	-.14446	.10353	.389608	.001517	.00162	.00236
JAN	6	45705	-.14787	.10607	.388059	.001587	.00191	.00270
JAN	7	45706	-.15095	.10872	.386427	.001682	.00213	.00304
JAN	8	45707	-.15364	.11152	.384693	.001789	.00210	.00345
JAN	9	45708	-.15614	.11433	.382855	.001886	.00206	.00371
JAN	10	45709	-.15863	.11708	.380933	.001957	.00199	.00401
JAN	11	45710	-.16126	.11970	.378957	.001970	.00187	.00404
JAN	12	45711	-.16371	.12243	.377010	.001897	.00175	.00392
JAN	13	45712	-.16576	.12547	.375181	.001754	.00159	.00378
JAN	14	45713	-.16758	.12868	.373517	.001574	.00170	.00364
JAN	15	45714	-.16946	.13181	.372042	.001381	.00186	.00343
JAN	16	45715	-.17157	.13469	.370751	.001219	.00210	.00338
JAN	17	45716	-.17374	.13763	.369582	.001150	.00237	.00340
JAN	18	45717	-.17594	.14076	.368415	.001219	.00258	.00338
JAN	19	45718	-.17812	.14412	.367104	.001404	.00277	.00350
JAN	20	45719	-.18027	.14759	.365579	.001638	.00270	.00355
JAN	21	45720	-.18244	.15100	.363822	.001861	.00267	.00368
JAN	22	45721	-.18470	.15422	.361878	.002024	.00259	.00378
JAN	23	45722	-.18708	.15727	.359813	.002091	.00244	.00382
JAN	24	45723	-.18962	.16029	.357740	.002033	.00247	.00389
JAN	25	45724	-.19229	.16334	.355781	.001863	.00258	.00390
JAN	26	45725	-.19499	.16649	.354032	.001626	.00271	.00367
JAN	27	45726	-.19759	.16973	.352532	.001376	.00261	.00363
JAN	28	45727	-.20000	.17284	.351270	.001158	.00247	.00380
JAN	29	45728	-.20226	.17578	.350197	.001003	.00237	.00391
JAN	30	45729	-.20448	.17849	.349241	.000927	.00233	.00418
JAN	31	45730	-.20674	.18094	.348319	.000928	.00278	.00432
FEB	1	45731	-.20900	.18345	.347363	.000991	.00336	.00421
FEB	2	45732	-.21118	.18624	.346320	.001101	.00390	.00415
FEB	3	45733	-.21312	.18962	.345152	.001250	.00427	.00410
FEB	4	45734	-.21481	.19339	.343818	.001425	.00439	.00402
FEB	5	45735	-.21626	.19720	.342306	.001590	.00418	.00400
FEB	6	45736	-.21754	.20080	.340650	.001711	.00371	.00392
FEB	7	45737	-.21871	.20451	.338901	.001772	.00316	.00387
FEB	8	45738	-.21980	.20842	.337122	.001773	.00270	.00376

FEB	9	45739	-.22092	.21256	.335372	.001716	.00229	.00363
FEB	10	45740	-.22218	.21677	.333705	.001619	.00225	.00338
FEB	11	45741	-.22364	.22079	.332143	.001510	.00256	.00326
FEB	12	45742	-.22530	.22442	.330685	.001406	.00298	.00319
FEB	13	45743	-.22702	.22763	.329319	.001323	.00355	.00319
FEB	14	45744	-.22860	.23051	.328009	.001303	.00409	.00315
FEB	15	45745	-.22987	.23318	.326672	.001404	.00443	.00326
FEB	16	45746	-.23083	.23587	.325164	.001639	.00471	.00340
FEB	17	45747	-.23162	.23871	.323374	.001949	.00473	.00344
FEB	18	45748	-.23232	.24196	.321275	.002237	.00459	.00355
FEB	19	45749	-.23305	.24556	.318938	.002413	.00445	.00351
FEB	20	45750	-.23393	.24939	.316499	.002439	.00409	.00351
FEB	21	45751	-.23510	.25339	.314108	.002311	.00376	.00334
FEB	22	45752	-.23657	.25729	.311907	.002065	.00345	.00312
FEB	23	45753	-.23823	.26105	.309988	.001761	.00329	.00288
FEB	24	45754	-.24004	.26461	.308375	.001465	.00300	.00264
FEB	25	45755	-.24181	.26814	.307036	.001228	.00266	.00233
FEB	26	45756	-.24316	.27184	.305892	.001083	.00221	.00208
FEB	27	45757	-.24388	.27584	.304844	.001045	.00188	.00180
FEB	28	45758	-.24423	.28003	.303781	.001115	.00168	.00178
FEB	29	45759	-.24442	.28432	.302597	.001283	.00157	.00180
MAR	1	45760	-.24464	.28874	.301204	.001499	.00160	.00195
MAR	2	45761	-.24501	.29305	.299596	.001707	.00176	.00228
MAR	3	45762	-.24570	.29711	.297793	.001886	.00189	.00258
MAR	4	45763	-.24672	.30090	.295836	.002025	.00213	.00282
MAR	5	45764	-.24768	.30473	.293761	.002116	.00227	.00289
MAR	6	45765	-.24835	.30878	.291624	.002140	.00257	.00290
MAR	7	45766	-.24864	.31308	.289497	.002096	.00281	.00287
MAR	8	45767	-.24850	.31755	.287446	.001996	.00321	.00273
MAR	9	45768	-.24788	.32202	.285516	.001858	.00368	.00260
MAR	10	45769	-.24679	.32634	.283731	.001709	.00417	.00241
MAR	11	45770	-.24541	.33047	.282089	.001585	.00433	.00218
MAR	12	45771	-.24387	.33448	.280537	.001543	.00419	.00192
MAR	13	45772	-.24232	.33847	.278968	.001618	.00386	.00172
MAR	14	45773	-.24078	.34252	.277261	.001814	.00360	.00145
MAR	15	45774	-.23926	.34672	.275309	.002101	.00327	.00130
MAR	16	45775	-.23776	.35120	.273052	.002418	.00338	.00122
MAR	17	45776	-.23634	.35578	.270497	.002675	.00357	.00120
MAR	18	45777	-.23501	.36035	.267750	.002788	.00380	.00112
MAR	19	45778	-.23370	.36477	.264977	.002733	.00416	.00097
MAR	20	45779	-.23251	.36900	.262328	.002551	.00430	.00076
MAR	21	45780	-.23144	.37294	.259899	.002298	.00379	.00052
MAR	22	45781	-.23045	.37658	.257731	.002037	.00295	.00018
MAR	23	45782	-.22941	.38013	.255806	.001816	.00217	-.00004
MAR	24	45783	-.22824	.38379	.254071	.001660	.00129	-.00021
MAR	25	45784	-.22688	.38775	.252458	.001575	.00066	-.00031
MAR	26	45785	-.22552	.39178	.250896	.001561	.00070	-.00025
MAR	27	45786	-.22419	.39575	.249317	.001611	.00123	-.00004
MAR	28	45787	-.22282	.39947	.247663	.001712	.00181	.00020
MAR	29	45788	-.22131	.40281	.245887	.001851	.00232	.00054
MAR	30	45789	-.21964	.40603	.243962	.002005	.00289	.00086
MAR	31	45790	-.21775	.40962	.241886	.002132	.00335	.00101
APR	1	45791	-.21577	.41320	.239713	.002193	.00378	.00121

APR	2	45792	-.21378	.41665	.237519	.002177	.00426	.00124
APR	3	45793	-.21181	.41991	.235379	.002092	.00485	.00122
APR	4	45794	-.20974	.42320	.233353	.001960	.00529	.00107
APR	5	45795	-.20743	.42668	.231470	.001805	.00551	.00093
APR	6	45796	-.20477	.43052	.229745	.001650	.00557	.00073
APR	7	45797	-.20191	.43450	.228162	.001526	.00571	.00058
APR	8	45798	-.19906	.43839	.226672	.001467	.00588	.00040
APR	9	45799	-.19644	.44193	.225196	.001499	.00599	.00028
APR	10	45800	-.19397	.44537	.223639	.001639	.00617	.00021
APR	11	45801	-.19144	.44900	.221885	.001892	.00630	.00025
APR	12	45802	-.18867	.45297	.219837	.002214	.00626	.00019
APR	13	45803	-.18570	.45710	.217464	.002520	.00618	.00018
APR	14	45804	-.18269	.46107	.214829	.002727	.00602	.00002
APR	15	45805	-.17974	.46465	.212061	.002777	.00596	-.00001
APR	16	45806	-.17686	.46778	.209327	.002658	.00607	.00000
APR	17	45807	-.17397	.47059	.206783	.002412	.00611	-.00003
APR	18	45808	-.17100	.47323	.204517	.002122	.00611	-.00008
APR	19	45809	-.16801	.47588	.202529	.001868	.00608	-.00011
APR	20	45810	-.16510	.47859	.200754	.001698	.00578	.00001
APR	21	45811	-.16240	.48147	.199103	.001616	.00564	-.00002
APR	22	45812	-.15991	.48448	.197492	.001619	.00600	-.00008
APR	23	45813	-.15748	.48754	.195843	.001687	.00647	-.00018
APR	24	45814	-.15495	.49056	.194104	.001790	.00680	-.00034
APR	25	45815	-.15213	.49348	.192254	.001900	.00687	-.00030
APR	26	45816	-.14899	.49635	.190304	.001993	.00668	-.00018
APR	27	45817	-.14563	.49924	.188274	.002066	.00626	.00000
APR	28	45818	-.14213	.50220	.186184	.002121	.00590	.00032
APR	29	45819	-.13857	.50527	.184051	.002154	.00555	.00047
APR	30	45820	-.13498	.50842	.181897	.002139	.00510	.00046
MAY	1	45821	-.13141	.51149	.179793	.002050	.00459	.00042
MAY	2	45822	-.12790	.51436	.177813	.001899	.00425	.00018
MAY	3	45823	-.12439	.51693	.176002	.001717	.00407	-.00004
MAY	4	45824	-.12074	.51928	.174374	.001540	.00410	-.00021
MAY	5	45825	-.11684	.52157	.172904	.001408	.00427	-.00031
MAY	6	45826	-.11267	.52392	.171532	.001360	.00450	-.00045
MAY	7	45827	-.10831	.52639	.170151	.001425	.00483	-.00044
MAY	8	45828	-.10391	.52897	.168650	.001597	.00501	-.00039
MAY	9	45829	-.09968	.53159	.166936	.001846	.00512	-.00035
MAY	10	45830	-.09579	.53414	.164956	.002114	.00538	-.00014
MAY	11	45831	-.09233	.53653	.162727	.002325	.00574	.00002
MAY	12	45832	-.08918	.53861	.160346	.002409	.00597	.00021
MAY	13	45833	-.08620	.54040	.157958	.002335	.00615	.00024
MAY	14	45834	-.08323	.54193	.155719	.002110	.00624	.00021
MAY	15	45835	-.08014	.54326	.153763	.001807	.00589	.00017
MAY	16	45836	-.07685	.54453	.152105	.001526	.00541	-.00007
MAY	17	45837	-.07340	.54583	.150692	.001323	.00497	-.00027
MAY	18	45838	-.06981	.54721	.149430	.001204	.00462	-.00042
MAY	19	45839	-.06612	.54869	.148254	.001150	.00439	-.00050
MAY	20	45840	-.06234	.55025	.147105	.001156	.00449	-.00052
MAY	21	45841	-.05839	.55177	.145923	.001219	.00458	-.00059
MAY	22	45842	-.05430	.55316	.144655	.001326	.00470	-.00065
MAY	23	45843	-.05017	.55439	.143269	.001449	.00465	-.00061
MAY	24	45844	-.04609	.55543	.141763	.001552	.00447	-.00052

MAY	25	45845	-.04205	.55627	.140177	.001612	.00402	-.00038
MAY	26	45846	-.03798	.55692	.138555	.001626	.00335	-.00021
MAY	27	45847	-.03376	.55748	.136943	.001596	.00267	-.00010
MAY	28	45848	-.02936	.55806	.135384	.001521	.00211	-.00003
MAY	29	45849	-.02479	.55883	.133919	.001406	.00182	.00002
MAY	30	45850	-.02010	.55980	.132582	.001263	.00189	-.00011
MAY	31	45851	-.01535	.56083	.131394	.001112	.00218	-.00039
JUN	1	45852	-.01063	.56169	.130345	.000992	.00245	-.00062
JUN	2	45853	-.00606	.56220	.129381	.000941	.00290	-.00078
JUN	3	45854	-.00166	.56239	.128429	.000974	.00317	-.00078
JUN	4	45855	.00262	.56233	.127401	.001099	.00320	-.00064
JUN	5	45856	.00694	.56217	.126210	.001294	.00307	-.00040
JUN	6	45857	.01140	.56197	.124811	.001504	.00267	-.00017
JUN	7	45858	.01605	.56180	.123217	.001672	.00226	.00000
JUN	8	45859	.02085	.56166	.121500	.001744	.00169	.00012
JUN	9	45860	.02560	.56150	.119771	.001693	.00124	.00016
JUN	10	45861	.03010	.56121	.118153	.001527	.00079	-.00004
JUN	11	45862	.03427	.56072	.116746	.001285	.00059	-.00018
JUN	12	45863	.03813	.56009	.115592	.001030	.00046	-.00033
JUN	13	45864	.04175	.55943	.114675	.000822	.00047	-.00054
JUN	14	45865	.04528	.55883	.113924	.000690	.00060	-.00071
JUN	15	45866	.04889	.55832	.113264	.000639	.00077	-.00071
JUN	16	45867	.05274	.55785	.112619	.000662	.00091	-.00075
JUN	17	45868	.05691	.55746	.111919	.000745	.00093	-.00074
JUN	18	45869	.06133	.55717	.111115	.000866	.00091	-.00069
JUN	19	45870	.06585	.55699	.110181	.001000	.00092	-.00065
JUN	20	45871	.07023	.55687	.109120	.001121	.00098	-.00054
JUN	21	45872	.07436	.55674	.107947	.001218	.00093	-.00048
JUN	22	45873	.07820	.55648	.106699	.001274	.00097	-.00059
JUN	23	45874	.08178	.55600	.105417	.001288	.00075	-.00067
JUN	24	45875	.08530	.55530	.104141	.001254	.00054	-.00059
JUN	25	45876	.08894	.55433	.102925	.001163	.00009	-.00063
JUN	26	45877	.09281	.55309	.101827	.001022	-.00009	-.00057
JUN	27	45878	.09702	.55165	.100888	.000853	-.00022	-.00057
JUN	28	45879	.10154	.55010	.100112	.000703	-.00017	-.00052
JUN	29	45880	.10633	.54851	.099457	.000609	.00019	-.00060
JUN	30	45881	.11120	.54693	.098860	.000591	-.00020	-.00050
JUL	1	45882	.11601	.54533	.098238	.000659	.00028	-.00069
JUL	2	45883	.12065	.54373	.097515	.000793	.00020	-.00084
JUL	3	45884	.12515	.54213	.096646	.000950	.00035	-.00081
JUL	4	45885	.12957	.54054	.095631	.001086	.00037	-.00061
JUL	5	45886	.13395	.53894	.094507	.001158	-.00009	-.00038
JUL	6	45887	.13823	.53728	.093355	.001136	-.00085	-.00011
JUL	7	45888	.14235	.53552	.092274	.001014	-.00164	.00000
JUL	8	45889	.14623	.53363	.091354	.000821	-.00229	-.00004
JUL	9	45890	.14992	.53164	.090643	.000601	-.00268	-.00018
JUL	10	45891	.15349	.52952	.090145	.000402	-.00301	-.00041
JUL	11	45892	.15705	.52722	.089818	.000261	-.00321	-.00060
JUL	12	45893	.16070	.52476	.089596	.000189	-.00335	-.00072
JUL	13	45894	.16451	.52223	.089411	.000177	-.00339	-.00088
JUL	14	45895	.16848	.51980	.089217	.000227	-.00342	-.00088
JUL	15	45896	.17256	.51746	.088942	.000340	-.00350	-.00094
JUL	16	45897	.17667	.51518	.088531	.000490	-.00374	-.00089

JUL	17	45898	.18075	.51293	.087963	.000650	-.00403	-.00077
JUL	18	45899	.18468	.51059	.087240	.000795	-.00435	-.00060
JUL	19	45900	.18846	.50814	.086388	.000895	-.00432	-.00018
JUL	20	45901	.19214	.50556	.085467	.000928	-.00426	.00026
JUL	21	45902	.19585	.50284	.084548	.000892	-.00431	.00056
JUL	22	45903	.19968	.49998	.083698	.000803	-.00481	.00051
JUL	23	45904	.20372	.49701	.082956	.000693	-.00564	.00037
JUL	24	45905	.20793	.49403	.082318	.000585	-.00612	.00015
JUL	25	45906	.21217	.49111	.081783	.000492	-.00619	-.00011
JUL	26	45907	.21626	.48835	.081318	.000446	-.00602	-.00031
JUL	27	45908	.22005	.48574	.080860	.000482	-.00569	-.00045
JUL	28	45909	.22357	.48322	.080315	.000628	-.00526	-.00063
JUL	29	45910	.22682	.48071	.079570	.000884	-.00489	-.00069
JUL	30	45911	.22999	.47811	.078531	.001199	-.00449	-.00075
JUL	31	45912	.23319	.47537	.077181	.001482	-.00453	-.00074
AUG	1	45913	.23641	.47242	.075603	.001645	-.00497	-.00078
AUG	2	45914	.23965	.46930	.073939	.001648	-.00544	-.00069
AUG	3	45915	.24291	.46608	.072352	.001497	-.00576	-.00057
AUG	4	45916	.24617	.46282	.070975	.001239	-.00586	-.00039
AUG	5	45917	.24939	.45956	.069886	.000941	-.00591	-.00024
AUG	6	45918	.25253	.45633	.069089	.000672	-.00598	-.00027
AUG	7	45919	.25557	.45313	.068523	.000490	-.00562	.00003
AUG	8	45920	.25853	.44994	.068081	.000418	-.00537	.00018
AUG	9	45921	.26143	.44666	.067659	.000445	-.00530	.00010
AUG	10	45922	.26427	.44305	.067165	.000555	-.00540	-.00001
AUG	11	45923	.26712	.43933	.066531	.000720	-.00562	-.00029
AUG	12	45924	.27004	.43567	.065715	.000915	-.00600	-.00044
AUG	13	45925	.27301	.43219	.064701	.001114	-.00595	-.00031
AUG	14	45926	.27593	.42897	.063495	.001298	-.00584	-.00021
AUG	15	45927	.27871	.42591	.062119	.001445	-.00570	-.00008
AUG	16	45928	.28123	.42297	.060623	.001526	-.00566	-.00001
AUG	17	45929	.28352	.41995	.059084	.001531	-.00584	-.00001
AUG	18	45930	.28560	.41664	.057578	.001464	-.00669	-.00004
AUG	19	45931	.28750	.41298	.056168	.001337	-.00778	-.00018
AUG	20	45932	.28922	.40907	.054910	.001166	-.00871	-.00021
AUG	21	45933	.29078	.40503	.053834	.000982	-.00960	-.00040
AUG	22	45934	.29219	.40094	.052937	.000831	-.01004	-.00042
AUG	23	45935	.29333	.39695	.052149	.000771	-.00989	-.00048
AUG	24	45936	.29420	.39307	.051356	.000844	-.00942	-.00057
AUG	25	45937	.29477	.38922	.050419	.001057	-.00890	-.00054
AUG	26	45938	.29520	.38534	.049211	.001374	-.00854	-.00049
AUG	27	45939	.29568	.38137	.047667	.001716	-.00844	-.00037
AUG	28	45940	.29629	.37721	.045806	.001991	-.00836	-.00029
AUG	29	45941	.29697	.37312	.043734	.002128	-.00832	-.00028
AUG	30	45942	.29765	.36924	.041607	.002101	-.00847	-.00024
AUG	31	45943	.29821	.36569	.039576	.001941	-.00861	-.00025
SEP	1	45944	.29861	.36242	.037748	.001703	-.00881	-.00029
SEP	2	45945	.29905	.35922	.036166	.001450	-.00874	-.00043
SEP	3	45946	.29966	.35589	.034827	.001226	-.00841	-.00055
SEP	4	45947	.30048	.35226	.033684	.001065	-.00828	-.00051
SEP	5	45948	.30156	.34834	.032665	.000982	-.00831	-.00051
SEP	6	45949	.30286	.34424	.031694	.000973	-.00828	-.00045
SEP	7	45950	.30421	.34014	.030700	.001028	-.00806	-.00023

SEP	8	45951	.30545	.33615	.029627	.001130	-.00769	.00001
SEP	9	45952	.30643	.33230	.028437	.001257	-.00749	.00025
SEP	10	45953	.30710	.32852	.027120	.001384	-.00734	.00046
SEP	11	45954	.30745	.32474	.025683	.001493	-.00728	.00062
SEP	12	45955	.30758	.32085	.024153	.001564	-.00745	.00080
SEP	13	45956	.30762	.31682	.022574	.001589	-.00776	.00103
SEP	14	45957	.30775	.31272	.020994	.001572	-.00796	.00111
SEP	15	45958	.30832	.30863	.019444	.001514	-.00810	.00116
SEP	16	45959	.30904	.30451	.017973	.001418	-.00798	.00123
SEP	17	45960	.30986	.30038	.016609	.001301	-.00781	.00112
SEP	18	45961	.31069	.29628	.015364	.001185	-.00746	.00088
SEP	19	45962	.31146	.29225	.014221	.001110	-.00709	.00070
SEP	20	45963	.31204	.28830	.013114	.001122	-.00679	.00059
SEP	21	45964	.31235	.28444	.011938	.001251	-.00652	.00062
SEP	22	45965	.31250	.28070	.010575	.001497	-.00651	.00066
SEP	23	45966	.31260	.27707	.008924	.001815	-.00666	.00070
SEP	24	45967	.31280	.27353	.006951	.002127	-.00714	.00089
SEP	25	45968	.31312	.27001	.004710	.002342	-.00780	.00102
SEP	26	45969	.31347	.26647	.002325	.002402	-.00846	.00119
SEP	27	45970	.31374	.26284	-.000037	.002299	-.00905	.00119
SEP	28	45971	.31385	.25912	-.002232	.002073	-.00930	.00106
SEP	29	45972	.31370	.25532	-.004173	.001807	-.00938	.00101
SEP	30	45973	.31325	.25145	-.005861	.001575	-.00930	.00089
OCT	1	45974	.31254	.24757	-.007353	.001421	-.00890	.00070
OCT	2	45975	.31165	.24373	-.008739	.001357	-.00853	.00068
OCT	3	45976	.31059	.23991	-.010100	.001373	-.00808	.00073
OCT	4	45977	.30943	.23611	-.011505	.001446	-.00762	.00073
OCT	5	45978	.30818	.23235	-.013007	.001561	-.00729	.00087
OCT	6	45979	.30690	.22867	-.014632	.001691	-.00714	.00101
OCT	7	45980	.30553	.22504	-.016384	.001807	-.00694	.00113
OCT	8	45981	.30406	.22140	-.018235	.001888	-.00676	.00131
OCT	9	45982	.30248	.21765	-.020143	.001931	-.00663	.00132
OCT	10	45983	.30074	.21376	-.022077	.001943	-.00647	.00136
OCT	11	45984	.29872	.20975	-.024010	.001924	-.00631	.00125
OCT	12	45985	.29641	.20571	-.025908	.001849	-.00621	.00121
OCT	13	45986	.29420	.20180	-.027698	.001705	-.00594	.00107
OCT	14	45987	.29226	.19806	-.029316	.001517	-.00571	.00095
OCT	15	45988	.29076	.19458	-.030739	.001343	-.00538	.00099
OCT	16	45989	.28952	.19132	-.032018	.001234	-.00491	.00099
OCT	17	45990	.28838	.18826	-.033233	.001213	-.00458	.00116
OCT	18	45991	.28709	.18529	-.034479	.001307	-.00426	.00147
OCT	19	45992	.28563	.18231	-.035882	.001526	-.00409	.00182
OCT	20	45993	.28408	.17927	-.037557	.001843	-.00419	.00206
OCT	21	45994	.28261	.17615	-.039574	.002194	-.00444	.00226
OCT	22	45995	.28122	.17295	-.041924	.002484	-.00478	.00242
OCT	23	45996	.27985	.16974	-.044497	.002627	-.00525	.00250
OCT	24	45997	.27834	.16657	-.047119	.002582	-.00567	.00243
OCT	25	45998	.27664	.16340	-.049610	.002381	-.00597	.00230
OCT	26	45999	.27470	.16023	-.051851	.002092	-.00620	.00216
OCT	27	46000	.27246	.15699	-.053796	.001798	-.00627	.00192
OCT	28	46001	.27001	.15368	-.055471	.001561	-.00621	.00172
OCT	29	46002	.26745	.15032	-.056953	.001413	-.00595	.00158
OCT	30	46003	.26488	.14696	-.058333	.001367	-.00559	.00160

OCT	31	46004	.26238	.14373	-.059714	.001415	-.00509	.00169
NOV	1	46005	.25997	.14070	-.061180	.001528	-.00462	.00182
NOV	2	46006	.25763	.13782	-.062777	.001667	-.00421	.00206
NOV	3	46007	.25539	.13501	-.064510	.001794	-.00386	.00220
NOV	4	46008	.25329	.13219	-.066356	.001894	-.00365	.00239
NOV	5	46009	.25135	.12932	-.068283	.001960	-.00361	.00242
NOV	6	46010	.24947	.12642	-.070257	.001978	-.00377	.00248
NOV	7	46011	.24749	.12345	-.072221	.001937	-.00395	.00249
NOV	8	46012	.24513	.12031	-.074112	.001829	-.00410	.00236
NOV	9	46013	.24249	.11711	-.075864	.001656	-.00408	.00231
NOV	10	46014	.23967	.11403	-.077419	.001440	-.00390	.00218
NOV	11	46015	.23679	.11119	-.078748	.001235	-.00369	.00200
NOV	12	46016	.23401	.10853	-.079904	.001108	-.00343	.00198
NOV	13	46017	.23137	.10598	-.080987	.001085	-.00318	.00193
NOV	14	46018	.22886	.10352	-.082104	.001164	-.00281	.00203
NOV	15	46019	.22643	.10115	-.083347	.001333	-.00259	.00227
NOV	16	46020	.22401	.09890	-.084797	.001587	-.00224	.00251
NOV	17	46021	.22154	.09678	-.086531	.001892	-.00185	.00283
NOV	18	46022	.21903	.09477	-.088572	.002181	-.00167	.00311
NOV	19	46023	.21655	.09284	-.090863	.002378	-.00154	.00332
NOV	20	46024	.21412	.09097	-.093280	.002429	-.00148	.00346
NOV	21	46025	.21169	.08910	-.095669	.002325	-.00152	.00345
NOV	22	46026	.20907	.08718	-.097890	.002102	-.00171	.00331
NOV	23	46027	.20594	.08516	-.099858	.001828	-.00173	.00306
NOV	24	46028	.20245	.08308	-.101557	.001574	-.00170	.00295
NOV	25	46029	.19875	.08097	-.103039	.001399	-.00147	.00289
NOV	26	46030	.19502	.07887	-.104395	.001323	-.00100	.00279
NOV	27	46031	.19123	.07677	-.105719	.001331	-.00047	.00286
NOV	28	46032	.18736	.07463	-.107077	.001388	-.00006	.00307
NOV	29	46033	.18336	.07240	-.108504	.001482	.00031	.00322
NOV	30	46034	.17933	.07000	-.110041	.001607	.00040	.00346
DEC	1	46035	.17539	.06742	-.111711	.001734	.00015	.00367
DEC	2	46036	.17162	.06468	-.113493	.001825	-.00019	.00392
DEC	3	46037	.16799	.06186	-.115342	.001865	-.00066	.00400
DEC	4	46038	.16448	.05909	-.117203	.001851	-.00117	.00403
DEC	5	46039	.16100	.05646	-.119027	.001782	-.00157	.00400
DEC	6	46040	.15750	.05404	-.120752	.001658	-.00190	.00396
DEC	7	46041	.15389	.05180	-.122333	.001495	-.00207	.00382
DEC	8	46042	.15015	.04965	-.123743	.001328	-.00210	.00362
DEC	9	46043	.14619	.04764	-.125001	.001199	-.00205	.00358
DEC	10	46044	.14198	.04585	-.126165	.001145	-.00178	.00351
DEC	11	46045	.13750	.04436	-.127322	.001177	-.00138	.00349
DEC	12	46046	.13281	.04310	-.128551	.001284	-.00091	.00342
DEC	13	46047	.12799	.04195	-.129915	.001446	-.00051	.00337
DEC	14	46048	.12316	.04079	-.131455	.001641	-.00037	.00340
DEC	15	46049	.11836	.03946	-.133191	.001835	-.00036	.00349
DEC	16	46050	.11362	.03794	-.135099	.001974	-.00052	.00362
DEC	17	46051	.10885	.03630	-.137098	.002007	-.00077	.00368
DEC	18	46052	.10395	.03463	-.139066	.001911	-.00020	.00360
DEC	19	46053	.09877	.03306	-.140880	.001704	-.00070	.00385
DEC	20	46054	.09328	.03167	-.142453	.001439	-.00088	.00381
DEC	21	46055	.08767	.03043	-.143760	.001183	-.00020	.00400
DEC	22	46056	.08220	.02922	-.144841	.000992	-.00029	.00370

DEC	23	46057	.07716	.02790	-.145780	.000902	.00038	.00368
DEC	24	46058	.07264	.02646	-.146679	.000916	.00093	.00373
DEC	25	46059	.06841	.02516	-.147638	.001021	.00139	.00383
DEC	26	46060	.06423	.02424	-.148735	.001186	.00161	.00397
DEC	27	46061	.06008	.02373	-.150012	.001379	.00176	.00422
DEC	28	46062	.05600	.02356	-.151485	.001567	.00165	.00434
DEC	29	46063	.05241	.02324	-.153134	.001725	.00143	.00441
DEC	30	46064	.04915	.02283	-.154916	.001832	.00106	.00441
DEC	31	46065	.04601	.02243	-.156777	.001876	.00072	.00456