

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)

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Date	MJD	x	y	UT1-UTC	LOD	dPsi	dEpsilon	
		"	"	s	s	"	"	
(0h UTC)								
YEAR ==> 1964								
JAN	1	38395	-.22550	.08180	-.080895	.001844	.06034	.00211
JAN	2	38396	-.22840	.08440	-.081497	.001966	.06054	.00225
JAN	3	38397	-.23130	.08700	-.082231	.002103	.06058	.00240
JAN	4	38398	-.23430	.08970	-.083114	.002227	.06045	.00254
JAN	5	38399	-.23730	.09250	-.084091	.002317	.06019	.00263
JAN	6	38400	-.24020	.09540	-.085143	.002358	.05986	.00266
JAN	7	38401	-.24320	.09830	-.086201	.002342	.05954	.00263
JAN	8	38402	-.24620	.10130	-.087223	.002288	.05930	.00253
JAN	9	38403	-.24920	.10430	-.088167	.002197	.05919	.00240
JAN	10	38404	-.25220	.10750	-.089014	.002095	.05925	.00225
JAN	11	38405	-.25520	.11070	-.089770	.001998	.05947	.00213
JAN	12	38406	-.25810	.11390	-.090437	.001921	.05981	.00204
JAN	13	38407	-.26100	.11720	-.091024	.001861	.06020	.00202
JAN	14	38408	-.26390	.12060	-.091586	.001862	.06058	.00207
JAN	15	38409	-.26670	.12400	-.092179	.001903	.06086	.00216
JAN	16	38410	-.26950	.12750	-.092833	.002014	.06100	.00230
JAN	17	38411	-.27220	.13100	-.093623	.002163	.06097	.00243
JAN	18	38412	-.27490	.13460	-.094577	.002335	.06078	.00254
JAN	19	38413	-.27750	.13820	-.095692	.002491	.06048	.00259
JAN	20	38414	-.28000	.14180	-.096955	.002598	.06013	.00258
JAN	21	38415	-.28239	.14551	-.098275	.002638	.05982	.00251
JAN	22	38416	-.28479	.14931	-.099603	.002604	.05961	.00238
JAN	23	38417	-.28699	.15301	-.100854	.002496	.05956	.00222
JAN	24	38418	-.28909	.15681	-.101975	.002327	.05967	.00206
JAN	25	38419	-.29119	.16061	-.102911	.002147	.05993	.00193
JAN	26	38420	-.29309	.16451	-.103690	.002000	.06029	.00185
JAN	27	38421	-.29489	.16841	-.104347	.001919	.06068	.00183
JAN	28	38422	-.29659	.17231	-.104969	.001940	.06103	.00188
JAN	29	38423	-.29819	.17621	-.105652	.002027	.06126	.00197
JAN	30	38424	-.29959	.18011	-.106444	.002139	.06134	.00209
JAN	31	38425	-.30089	.18411	-.107347	.002251	.06124	.00220
FEB	1	38426	-.30199	.18801	-.108332	.002321	.06101	.00228
FEB	2	38427	-.30309	.19191	-.109369	.002333	.06068	.00229
FEB	3	38428	-.30389	.19591	-.110389	.002278	.06034	.00224
FEB	4	38429	-.30469	.19981	-.111330	.002187	.06006	.00213
FEB	5	38430	-.30529	.20381	-.112143	.002054	.05989	.00197
FEB	6	38431	-.30569	.20771	-.112833	.001914	.05989	.00179
FEB	7	38432	-.30599	.21161	-.113382	.001777	.06006	.00162
FEB	8	38433	-.30619	.21551	-.113803	.001659	.06036	.00149

FEB	9	38434	-.30619	.21941	-.114122	.001587	.06074	.00142
FEB	10	38435	-.30609	.22331	-.114403	.001563	.06113	.00141
FEB	11	38436	-.30579	.22711	-.114688	.001598	.06145	.00146
FEB	12	38437	-.30539	.23091	-.115030	.001697	.06163	.00155
FEB	13	38438	-.30489	.23471	-.115501	.001843	.06165	.00165
FEB	14	38439	-.30419	.23841	-.116138	.002036	.06151	.00174
FEB	15	38440	-.30339	.24211	-.116972	.002219	.06124	.00179
FEB	16	38441	-.30249	.24581	-.117983	.002372	.06091	.00177
FEB	17	38442	-.30139	.24951	-.119101	.002449	.06058	.00168
FEB	18	38443	-.30019	.25311	-.120250	.002423	.06034	.00154
FEB	19	38444	-.29889	.25671	-.121328	.002310	.06023	.00136
FEB	20	38445	-.29749	.26021	-.122249	.002135	.06029	.00117
FEB	21	38446	-.29599	.26371	-.122991	.001950	.06051	.00100
FEB	22	38447	-.29429	.26721	-.123557	.001790	.06086	.00087
FEB	23	38448	-.29259	.27061	-.124004	.001697	.06125	.00081
FEB	24	38449	-.29079	.27401	-.124401	.001702	.06163	.00081
FEB	25	38450	-.28879	.27731	-.124836	.001780	.06192	.00087
FEB	26	38451	-.28678	.28062	-.125390	.001932	.06205	.00096
FEB	27	38452	-.28468	.28392	-.126104	.002094	.06203	.00105
FEB	28	38453	-.28248	.28722	-.126969	.002227	.06184	.00112
FEB	29	38454	-.28028	.29042	-.127939	.002313	.06155	.00114
MAR	1	38455	-.27798	.29362	-.128983	.002335	.06121	.00109
MAR	2	38456	-.27558	.29672	-.130010	.002300	.06091	.00098
MAR	3	38457	-.27308	.29982	-.130978	.002222	.06072	.00081
MAR	4	38458	-.27058	.30292	-.131845	.002108	.06067	.00062
MAR	5	38459	-.26808	.30602	-.132603	.002000	.06080	.00042
MAR	6	38460	-.26538	.30912	-.133269	.001907	.06107	.00026
MAR	7	38461	-.26278	.31212	-.133848	.001847	.06145	.00015
MAR	8	38462	-.26008	.31512	-.134380	.001825	.06185	.00010
MAR	9	38463	-.25728	.31812	-.134928	.001860	.06221	.00012
MAR	10	38464	-.25448	.32112	-.135532	.001959	.06246	.00019
MAR	11	38465	-.25158	.32412	-.136276	.002121	.06255	.00028
MAR	12	38466	-.24868	.32712	-.137211	.002335	.06247	.00037
MAR	13	38467	-.24578	.33002	-.138354	.002562	.06225	.00042
MAR	14	38468	-.24278	.33302	-.139727	.002757	.06194	.00041
MAR	15	38469	-.23978	.33592	-.141253	.002879	.06161	.00034
MAR	16	38470	-.23668	.33882	-.142850	.002885	.06134	.00021
MAR	17	38471	-.23358	.34172	-.144407	.002791	.06120	.00003
MAR	18	38472	-.23038	.34462	-.145815	.002605	.06121	-.00017
MAR	19	38473	-.22728	.34752	-.147026	.002396	.06140	-.00035
MAR	20	38474	-.22398	.35042	-.148015	.002189	.06171	-.00050
MAR	21	38475	-.22068	.35322	-.148825	.002046	.06211	-.00059
MAR	22	38476	-.21738	.35612	-.149547	.002001	.06251	-.00061
MAR	23	38477	-.21408	.35892	-.150267	.002043	.06284	-.00056
MAR	24	38478	-.21068	.36172	-.151063	.002147	.06304	-.00048
MAR	25	38479	-.20718	.36452	-.151981	.002289	.06307	-.00038
MAR	26	38480	-.20378	.36722	-.153027	.002408	.06294	-.00030
MAR	27	38481	-.20028	.37002	-.154191	.002492	.06268	-.00027
MAR	28	38482	-.19668	.37272	-.155390	.002505	.06235	-.00029
MAR	29	38483	-.19318	.37542	-.156591	.002466	.06203	-.00038
MAR	30	38484	-.18958	.37802	-.157724	.002384	.06180	-.00052
MAR	31	38485	-.18588	.38072	-.158757	.002266	.06170	-.00070
APR	1	38486	-.18228	.38332	-.059652	.002114	.06177	-.00089

APR	2	38487	-.17858	.38592	-.060397	.001968	.06200	-.00106
APR	3	38488	-.17487	.38843	-.061008	.001850	.06235	-.00118
APR	4	38489	-.17117	.39093	-.061533	.001777	.06275	-.00124
APR	5	38490	-.16747	.39343	-.062001	.001759	.06313	-.00123
APR	6	38491	-.16377	.39593	-.062472	.001792	.06341	-.00116
APR	7	38492	-.16007	.39833	-.063007	.001878	.06355	-.00106
APR	8	38493	-.15627	.40073	-.063658	.002034	.06352	-.00096
APR	9	38494	-.15257	.40303	-.064488	.002211	.06333	-.00088
APR	10	38495	-.14887	.40543	-.065483	.002386	.06303	-.00085
APR	11	38496	-.14507	.40763	-.066655	.002546	.06268	-.00089
APR	12	38497	-.14137	.40993	-.067943	.002611	.06238	-.00098
APR	13	38498	-.13757	.41213	-.069234	.002551	.06217	-.00113
APR	14	38499	-.13387	.41433	-.070417	.002368	.06212	-.00131
APR	15	38500	-.13017	.41643	-.071368	.002139	.06223	-.00149
APR	16	38501	-.12647	.41853	-.072094	.001919	.06250	-.00163
APR	17	38502	-.12277	.42063	-.072625	.001767	.06285	-.00172
APR	18	38503	-.11907	.42263	-.073059	.001717	.06324	-.00174
APR	19	38504	-.11547	.42463	-.073492	.001780	.06358	-.00170
APR	20	38505	-.11187	.42653	-.074045	.001915	.06380	-.00160
APR	21	38506	-.10827	.42843	-.074743	.002084	.06386	-.00149
APR	22	38507	-.10467	.43033	-.075612	.002241	.06375	-.00138
APR	23	38508	-.10107	.43213	-.076624	.002375	.06350	-.00130
APR	24	38509	-.09757	.43393	-.077755	.002466	.06315	-.00128
APR	25	38510	-.09407	.43563	-.078947	.002498	.06279	-.00132
APR	26	38511	-.09057	.43733	-.080133	.002455	.06249	-.00143
APR	27	38512	-.08717	.43893	-.081254	.002371	.06231	-.00158
APR	28	38513	-.08377	.44053	-.082287	.002263	.06229	-.00174
APR	29	38514	-.08037	.44203	-.083189	.002152	.06244	-.00190
APR	30	38515	-.07697	.44353	-.084007	.002060	.06271	-.00201
MAY	1	38516	-.07367	.44493	-.084722	.001988	.06307	-.00207
MAY	2	38517	-.07037	.44633	-.085400	.001958	.06342	-.00205
MAY	3	38518	-.06707	.44763	-.086068	.001987	.06370	-.00198
MAY	4	38519	-.06377	.44893	-.086794	.002056	.06384	-.00186
MAY	5	38520	-.06047	.45013	-.087599	.002172	.06381	-.00173
MAY	6	38521	-.05727	.45123	-.088564	.002356	.06362	-.00161
MAY	7	38522	-.05407	.45223	-.089719	.002546	.06330	-.00154
MAY	8	38523	-.05087	.45323	-.091073	.002735	.06292	-.00153
MAY	9	38524	-.04766	.45414	-.092579	.002842	.06254	-.00158
MAY	10	38525	-.04456	.45504	-.094140	.002851	.06224	-.00169
MAY	11	38526	-.04136	.45584	-.095647	.002733	.06208	-.00183
MAY	12	38527	-.03826	.45654	-.096982	.002524	.06209	-.00198
MAY	13	38528	-.03516	.45714	-.098091	.002284	.06225	-.00212
MAY	14	38529	-.03196	.45774	-.098961	.002067	.06253	-.00220
MAY	15	38530	-.02886	.45824	-.099664	.001946	.06286	-.00221
MAY	16	38531	-.02576	.45874	-.100289	.001929	.06316	-.00217
MAY	17	38532	-.02266	.45904	-.100952	.001998	.06336	-.00206
MAY	18	38533	-.01956	.45934	-.101719	.002121	.06341	-.00192
MAY	19	38534	-.01646	.45964	-.102613	.002256	.06330	-.00178
MAY	20	38535	-.01336	.45974	-.103629	.002360	.06302	-.00166
MAY	21	38536	-.01026	.45984	-.104726	.002415	.06264	-.00160
MAY	22	38537	-.00716	.45994	-.105841	.002405	.06221	-.00160
MAY	23	38538	-.00406	.45994	-.106928	.002352	.06181	-.00166
MAY	24	38539	-.00096	.45984	-.107941	.002268	.06152	-.00177

MAY	25	38540	.00214	.45974	-.108865	.002146	.06138	-.00191
MAY	26	38541	.00534	.45954	-.109651	.002016	.06141	-.00205
MAY	27	38542	.00844	.45924	-.110300	.001877	.06158	-.00215
MAY	28	38543	.01164	.45894	-.110836	.001780	.06185	-.00221
MAY	29	38544	.01474	.45854	-.111287	.001732	.06214	-.00219
MAY	30	38545	.01794	.45814	-.111718	.001731	.06238	-.00211
MAY	31	38546	.02114	.45764	-.112178	.001779	.06250	-.00198
JUN	1	38547	.02434	.45714	-.112705	.001872	.06246	-.00183
JUN	2	38548	.02754	.45654	-.113336	.001998	.06225	-.00168
JUN	3	38549	.03074	.45584	-.114120	.002143	.06190	-.00157
JUN	4	38550	.03394	.45514	-.115025	.002284	.06145	-.00152
JUN	5	38551	.03714	.45434	-.116077	.002392	.06099	-.00153
JUN	6	38552	.04034	.45354	-.117203	.002434	.06059	-.00161
JUN	7	38553	.04364	.45264	-.118309	.002358	.06032	-.00172
JUN	8	38554	.04684	.45174	-.119292	.002171	.06020	-.00186
JUN	9	38555	.05014	.45074	-.120036	.001909	.06024	-.00198
JUN	10	38556	.05334	.44964	-.120497	.001630	.06042	-.00206
JUN	11	38557	.05664	.44854	-.120726	.001423	.06067	-.00208
JUN	12	38558	.05994	.44744	-.120789	.001310	.06092	-.00204
JUN	13	38559	.06314	.44624	-.120791	.001289	.06109	-.00193
JUN	14	38560	.06644	.44494	-.120789	.001333	.06113	-.00179
JUN	15	38561	.06975	.44365	-.120871	.001410	.06100	-.00163
JUN	16	38562	.07295	.44225	-.121009	.001457	.06071	-.00149
JUN	17	38563	.07625	.44085	-.121176	.001448	.06029	-.00139
JUN	18	38564	.07955	.43935	-.121305	.001380	.05980	-.00135
JUN	19	38565	.08275	.43785	-.121318	.001258	.05932	-.00138
JUN	20	38566	.08605	.43635	-.121217	.001124	.05893	-.00147
JUN	21	38567	.08925	.43475	-.120967	.000963	.05867	-.00159
JUN	22	38568	.09255	.43315	-.120560	.000812	.05859	-.00172
JUN	23	38569	.09575	.43145	-.120004	.000680	.05866	-.00183
JUN	24	38570	.09895	.42975	-.119348	.000593	.05884	-.00189
JUN	25	38571	.10215	.42805	-.118605	.000540	.05908	-.00189
JUN	26	38572	.10535	.42625	-.117847	.000543	.05928	-.00182
JUN	27	38573	.10855	.42445	-.117121	.000615	.05939	-.00169
JUN	28	38574	.11175	.42265	-.116496	.000753	.05935	-.00154
JUN	29	38575	.11495	.42075	-.116052	.000944	.05914	-.00138
JUN	30	38576	.11805	.41885	-.115793	.001141	.05878	-.00125
JUL	1	38577	.12125	.41695	-.115745	.001351	.05831	-.00117
JUL	2	38578	.12435	.41505	-.115888	.001528	.05780	-.00115
JUL	3	38579	.12745	.41305	-.116193	.001661	.05733	-.00120
JUL	4	38580	.13065	.41105	-.116593	.001712	.05696	-.00130
JUL	5	38581	.13375	.40905	-.116986	.001647	.05675	-.00143
JUL	6	38582	.13685	.40705	-.117279	.001499	.05670	-.00156
JUL	7	38583	.13985	.40495	-.117382	.001306	.05680	-.00165
JUL	8	38584	.14295	.40285	-.117311	.001132	.05700	-.00169
JUL	9	38585	.14595	.40075	-.117096	.001045	.05722	-.00167
JUL	10	38586	.14905	.39855	-.116837	.001065	.05739	-.00158
JUL	11	38587	.15205	.39645	-.116657	.001164	.05745	-.00144
JUL	12	38588	.15505	.39415	-.116598	.001309	.05735	-.00128
JUL	13	38589	.15805	.39195	-.116669	.001406	.05708	-.00113
JUL	14	38590	.16095	.38965	-.116800	.001454	.05666	-.00101
JUL	15	38591	.16395	.38735	-.116963	.001450	.05617	-.00096
JUL	16	38592	.16685	.38505	-.117078	.001381	.05566	-.00097

JUL	17	38593	.16975	.38265	-.117108	.001263	.05521	-.00103
JUL	18	38594	.17255	.38025	-.117015	.001136	.05489	-.00115
JUL	19	38595	.17545	.37785	-.116787	.000998	.05474	-.00128
JUL	20	38596	.17825	.37535	-.116413	.000858	.05475	-.00140
JUL	21	38597	.18106	.37276	-.115921	.000753	.05489	-.00148
JUL	22	38598	.18376	.37026	-.115342	.000688	.05511	-.00150
JUL	23	38599	.18646	.36756	-.114714	.000676	.05533	-.00146
JUL	24	38600	.18916	.36496	-.114114	.000724	.05548	-.00135
JUL	25	38601	.19176	.36216	-.113592	.000831	.05549	-.00120
JUL	26	38602	.19436	.35936	-.113202	.000996	.05534	-.00105
JUL	27	38603	.19696	.35656	-.112993	.001180	.05503	-.00091
JUL	28	38604	.19946	.35366	-.112972	.001385	.05459	-.00081
JUL	29	38605	.20196	.35066	-.113155	.001554	.05409	-.00078
JUL	30	38606	.20436	.34766	-.113472	.001669	.05361	-.00081
JUL	31	38607	.20666	.34466	-.113879	.001711	.05322	-.00090
AUG	1	38608	.20906	.34146	-.114287	.001672	.05297	-.00103
AUG	2	38609	.21126	.33826	-.114618	.001569	.05289	-.00116
AUG	3	38610	.21346	.33506	-.114822	.001426	.05297	-.00127
AUG	4	38611	.21556	.33176	-.114882	.001271	.05316	-.00134
AUG	5	38612	.21766	.32836	-.114806	.001180	.05341	-.00134
AUG	6	38613	.21966	.32496	-.114686	.001188	.05364	-.00127
AUG	7	38614	.22156	.32146	-.114626	.001286	.05377	-.00115
AUG	8	38615	.22346	.31786	-.114701	.001448	.05375	-.00100
AUG	9	38616	.22516	.31426	-.114935	.001606	.05357	-.00084
AUG	10	38617	.22686	.31056	-.115308	.001718	.05323	-.00072
AUG	11	38618	.22846	.30686	-.115744	.001741	.05279	-.00064
AUG	12	38619	.22996	.30306	-.116163	.001664	.05232	-.00063
AUG	13	38620	.23146	.29916	-.116459	.001521	.05189	-.00069
AUG	14	38621	.23276	.29526	-.116591	.001348	.05157	-.00080
AUG	15	38622	.23406	.29126	-.116550	.001159	.05141	-.00093
AUG	16	38623	.23526	.28726	-.116311	.000975	.05142	-.00106
AUG	17	38624	.23636	.28316	-.115909	.000806	.05158	-.00116
AUG	18	38625	.23726	.27906	-.115336	.000677	.05183	-.00120
AUG	19	38626	.23826	.27486	-.114691	.000621	.05212	-.00118
AUG	20	38627	.23906	.27066	-.114008	.000624	.05235	-.00109
AUG	21	38628	.23976	.26636	-.113359	.000697	.05247	-.00096
AUG	22	38629	.24036	.26206	-.112821	.000825	.05244	-.00080
AUG	23	38630	.24096	.25776	-.112423	.000992	.05223	-.00065
AUG	24	38631	.24136	.25336	-.112219	.001180	.05190	-.00054
AUG	25	38632	.24176	.24896	-.112195	.001354	.05148	-.00049
AUG	26	38633	.24196	.24446	-.112318	.001480	.05105	-.00050
AUG	27	38634	.24217	.23997	-.112527	.001524	.05069	-.00057
AUG	28	38635	.24227	.23557	-.112756	.001500	.05046	-.00069
AUG	29	38636	.24227	.23097	-.112903	.001394	.05040	-.00082
AUG	30	38637	.24217	.22647	-.112930	.001248	.05050	-.00094
AUG	31	38638	.24207	.22197	-.112810	.001117	.05074	-.00102
SEP	1	38639	.24177	.21737	-.012582	.001039	.05106	-.00104
SEP	2	38640	.24147	.21277	-.012327	.001058	.05138	-.00099
SEP	3	38641	.24107	.20827	-.012131	.001166	.05162	-.00089
SEP	4	38642	.24057	.20367	-.012096	.001364	.05174	-.00074
SEP	5	38643	.23997	.19917	-.012279	.001594	.05169	-.00058
SEP	6	38644	.23937	.19457	-.012677	.001802	.05148	-.00044
SEP	7	38645	.23857	.19007	-.013262	.001944	.05115	-.00034

SEP	8	38646	.23777	.18557	-.013945	.001998	.05077	-.00031
SEP	9	38647	.23697	.18107	-.014631	.001962	.05040	-.00034
SEP	10	38648	.23597	.17657	-.015259	.001877	.05012	-.00042
SEP	11	38649	.23497	.17217	-.015785	.001772	.04999	-.00054
SEP	12	38650	.23397	.16777	-.016202	.001654	.05003	-.00067
SEP	13	38651	.23277	.16337	-.016509	.001546	.05023	-.00078
SEP	14	38652	.23167	.15907	-.016717	.001477	.05055	-.00083
SEP	15	38653	.23037	.15477	-.016892	.001462	.05092	-.00082
SEP	16	38654	.22907	.15057	-.017061	.001497	.05126	-.00075
SEP	17	38655	.22777	.14637	-.017306	.001593	.05151	-.00062
SEP	18	38656	.22637	.14227	-.017667	.001737	.05162	-.00046
SEP	19	38657	.22487	.13817	-.018207	.001929	.05156	-.00029
SEP	20	38658	.22337	.13407	-.018954	.002147	.05134	-.00016
SEP	21	38659	.22187	.13007	-.019920	.002359	.05103	-.00007
SEP	22	38660	.22027	.12617	-.021057	.002503	.05069	-.00006
SEP	23	38661	.21867	.12227	-.022307	.002581	.05038	-.00010
SEP	24	38662	.21697	.11847	-.023593	.002555	.05019	-.00019
SEP	25	38663	.21527	.11467	-.024786	.002426	.05016	-.00031
SEP	26	38664	.21357	.11097	-.025838	.002243	.05030	-.00043
SEP	27	38665	.21177	.10737	-.026691	.002067	.05059	-.00051
SEP	28	38666	.20997	.10377	-.027389	.001931	.05097	-.00054
SEP	29	38667	.20807	.10027	-.027991	.001890	.05138	-.00050
SEP	30	38668	.20617	.09687	-.028613	.001948	.05174	-.00040
OCT	1	38669	.20417	.09347	-.029326	.002090	.05199	-.00025
OCT	2	38670	.20218	.09018	-.030218	.002280	.05207	-.00007
OCT	3	38671	.20018	.08698	-.031305	.002470	.05199	.00009
OCT	4	38672	.19808	.08378	-.032552	.002614	.05178	.00022
OCT	5	38673	.19598	.08068	-.033906	.002671	.05148	.00029
OCT	6	38674	.19378	.07768	-.035276	.002654	.05118	.00030
OCT	7	38675	.19158	.07468	-.036591	.002555	.05094	.00024
OCT	8	38676	.18938	.07188	-.037781	.002410	.05083	.00014
OCT	9	38677	.18708	.06908	-.038815	.002247	.05089	.00003
OCT	10	38678	.18478	.06628	-.039688	.002094	.05112	-.00007
OCT	11	38679	.18238	.06368	-.040424	.001974	.05148	-.00013
OCT	12	38680	.17998	.06108	-.041063	.001904	.05191	-.00013
OCT	13	38681	.17748	.05858	-.041652	.001885	.05234	-.00006
OCT	14	38682	.17498	.05608	-.042264	.001940	.05270	.00007
OCT	15	38683	.17248	.05368	-.042952	.002044	.05292	.00024
OCT	16	38684	.16988	.05138	-.043770	.002199	.05297	.00042
OCT	17	38685	.16728	.04908	-.044764	.002382	.05287	.00059
OCT	18	38686	.16468	.04688	-.045949	.002588	.05265	.00070
OCT	19	38687	.16198	.04478	-.047333	.002761	.05236	.00076
OCT	20	38688	.15928	.04268	-.048859	.002866	.05210	.00075
OCT	21	38689	.15648	.04068	-.050429	.002856	.05192	.00069
OCT	22	38690	.15368	.03868	-.051933	.002733	.05189	.00059
OCT	23	38691	.15088	.03668	-.053277	.002523	.05203	.00048
OCT	24	38692	.14798	.03488	-.054390	.002294	.05232	.00040
OCT	25	38693	.14508	.03298	-.055286	.002099	.05273	.00037
OCT	26	38694	.14218	.03118	-.056017	.001990	.05319	.00040
OCT	27	38695	.13918	.02938	-.056690	.001974	.05362	.00050
OCT	28	38696	.13618	.02758	-.057406	.002061	.05395	.00065
OCT	29	38697	.13318	.02588	-.058240	.002203	.05413	.00084
OCT	30	38698	.13008	.02418	-.059225	.002355	.05415	.00102

OCT	31	38699	.12698	.02258	-.060350	.002476	.05401	.00118
NOV	1	38700	.12378	.02088	-.061556	.002525	.05377	.00128
NOV	2	38701	.12058	.01928	-.062794	.002517	.05349	.00132
NOV	3	38702	.11738	.01768	-.063976	.002437	.05326	.00130
NOV	4	38703	.11418	.01608	-.065050	.002293	.05314	.00122
NOV	5	38704	.11088	.01458	-.065971	.002139	.05317	.00112
NOV	6	38705	.10758	.01298	-.066736	.001982	.05337	.00102
NOV	7	38706	.10428	.01148	-.067343	.001837	.05372	.00096
NOV	8	38707	.10089	.00999	-.067835	.001746	.05416	.00096
NOV	9	38708	.09759	.00849	-.068264	.001711	.05462	.00101
NOV	10	38709	.09419	.00699	-.068679	.001741	.05502	.00114
NOV	11	38710	.09079	.00549	-.069166	.001832	.05531	.00130
NOV	12	38711	.08739	.00399	-.069771	.001965	.05544	.00149
NOV	13	38712	.08399	.00259	-.070530	.002148	.05540	.00167
NOV	14	38713	.08049	.00119	-.071475	.002345	.05522	.00182
NOV	15	38714	.07709	-.00021	-.072630	.002551	.05495	.00190
NOV	16	38715	.07369	-.00161	-.073964	.002707	.05468	.00192
NOV	17	38716	.07019	-.00291	-.075418	.002784	.05448	.00188
NOV	18	38717	.06679	-.00431	-.076893	.002749	.05440	.00179
NOV	19	38718	.06329	-.00561	-.078279	.002596	.05448	.00169
NOV	20	38719	.05989	-.00681	-.079482	.002385	.05473	.00160
NOV	21	38720	.05649	-.00801	-.080459	.002175	.05511	.00155
NOV	22	38721	.05299	-.00921	-.081255	.002023	.05556	.00157
NOV	23	38722	.04959	-.01041	-.081951	.001980	.05600	.00165
NOV	24	38723	.04619	-.01151	-.082660	.002052	.05637	.00179
NOV	25	38724	.04279	-.01261	-.083479	.002174	.05659	.00196
NOV	26	38725	.03939	-.01361	-.084424	.002324	.05665	.00215
NOV	27	38726	.03599	-.01461	-.085517	.002444	.05655	.00232
NOV	28	38727	.03269	-.01551	-.086713	.002525	.05632	.00244
NOV	29	38728	.02929	-.01631	-.087943	.002524	.05603	.00250
NOV	30	38729	.02589	-.01711	-.089149	.002477	.05576	.00249
DEC	1	38730	.02259	-.01791	-.090289	.002376	.05558	.00242
DEC	2	38731	.01929	-.01851	-.091300	.002233	.05555	.00232
DEC	3	38732	.01599	-.01911	-.092162	.002091	.05568	.00222
DEC	4	38733	.01259	-.01971	-.092886	.001961	.05596	.00213
DEC	5	38734	.00939	-.02011	-.093496	.001866	.05636	.00210
DEC	6	38735	.00609	-.02051	-.094045	.001832	.05680	.00213
DEC	7	38736	.00279	-.02091	-.094591	.001839	.05721	.00222
DEC	8	38737	-.00051	-.02111	-.095164	.001918	.05751	.00237
DEC	9	38738	-.00371	-.02131	-.095845	.002030	.05767	.00255
DEC	10	38739	-.00691	-.02141	-.096659	.002193	.05765	.00272
DEC	11	38740	-.01021	-.02141	-.097649	.002380	.05748	.00287
DEC	12	38741	-.01341	-.02131	-.098830	.002562	.05721	.00296
DEC	13	38742	-.01661	-.02121	-.100177	.002715	.05691	.00298
DEC	14	38743	-.01980	-.02100	-.101653	.002815	.05664	.00294
DEC	15	38744	-.02300	-.02080	-.103178	.002820	.05649	.00285
DEC	16	38745	-.02610	-.02040	-.104657	.002711	.05649	.00274
DEC	17	38746	-.02930	-.02000	-.105981	.002525	.05666	.00262
DEC	18	38747	-.03250	-.01950	-.107105	.002302	.05697	.00254
DEC	19	38748	-.03560	-.01900	-.108007	.002104	.05737	.00252
DEC	20	38749	-.03880	-.01840	-.108755	.002001	.05779	.00256
DEC	21	38750	-.04200	-.01770	-.109459	.002015	.05815	.00266
DEC	22	38751	-.04510	-.01700	-.110217	.002123	.05840	.00281

DEC	23	38752	-.04830	-.01620	-.111116	.002266	.05848	.00297
DEC	24	38753	-.05150	-.01530	-.112152	.002386	.05839	.00313
DEC	25	38754	-.05460	-.01440	-.113276	.002430	.05816	.00324
DEC	26	38755	-.05780	-.01340	-.114404	.002402	.05785	.00330
DEC	27	38756	-.06100	-.01230	-.115466	.002301	.05753	.00329
DEC	28	38757	-.06420	-.01120	-.116387	.002146	.05728	.00321
DEC	29	38758	-.06740	-.01000	-.117147	.001960	.05716	.00310
DEC	30	38759	-.07060	-.00880	-.117715	.001766	.05720	.00296
DEC	31	38760	-.07390	-.00750	-.118092	.001583	.05741	.00284