

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 ==> 1965								
JAN	1	38761	-.07710	-.00620	-.018291	.001430	.05774	.00276
JAN	2	38762	-.08030	-.00480	-.018378	.001333	.05814	.00274
JAN	3	38763	-.08360	-.00330	-.018386	.001294	.05854	.00279
JAN	4	38764	-.08680	-.00180	-.018385	.001315	.05885	.00289
JAN	5	38765	-.09010	-.00020	-.018445	.001393	.05902	.00303
JAN	6	38766	-.09330	.00140	-.018595	.001523	.05903	.00318
JAN	7	38767	-.09660	.00300	-.018899	.001677	.05888	.00330
JAN	8	38768	-.09990	.00480	-.019361	.001834	.05860	.00338
JAN	9	38769	-.10310	.00650	-.019971	.001973	.05827	.00340
JAN	10	38770	-.10640	.00830	-.020702	.002081	.05795	.00335
JAN	11	38771	-.10970	.01020	-.021512	.002125	.05773	.00324
JAN	12	38772	-.11300	.01210	-.022335	.002097	.05765	.00310
JAN	13	38773	-.11630	.01410	-.023087	.001996	.05773	.00295
JAN	14	38774	-.11950	.01610	-.023718	.001851	.05798	.00282
JAN	15	38775	-.12280	.01810	-.024190	.001710	.05833	.00274
JAN	16	38776	-.12610	.02020	-.024560	.001636	.05873	.00272
JAN	17	38777	-.12930	.02230	-.024900	.001675	.05909	.00277
JAN	18	38778	-.13260	.02440	-.025348	.001826	.05936	.00287
JAN	19	38779	-.13580	.02660	-.025996	.002067	.05947	.00300
JAN	20	38780	-.13899	.02881	-.026891	.002307	.05941	.00313
JAN	21	38781	-.14219	.03111	-.027988	.002465	.05920	.00322
JAN	22	38782	-.14529	.03341	-.029198	.002537	.05889	.00326
JAN	23	38783	-.14839	.03571	-.030431	.002506	.05855	.00324
JAN	24	38784	-.15149	.03801	-.031596	.002404	.05825	.00315
JAN	25	38785	-.15449	.04031	-.032636	.002263	.05806	.00301
JAN	26	38786	-.15749	.04271	-.033528	.002112	.05803	.00284
JAN	27	38787	-.16049	.04501	-.034275	.001965	.05817	.00267
JAN	28	38788	-.16339	.04741	-.034878	.001839	.05845	.00254
JAN	29	38789	-.16619	.04981	-.035378	.001759	.05882	.00247
JAN	30	38790	-.16899	.05211	-.035816	.001726	.05922	.00246
JAN	31	38791	-.17179	.05451	-.036260	.001763	.05955	.00251
FEB	1	38792	-.17449	.05691	-.036772	.001850	.05976	.00260
FEB	2	38793	-.17709	.05931	-.037395	.001994	.05982	.00272
FEB	3	38794	-.17969	.06171	-.038169	.002157	.05970	.00282
FEB	4	38795	-.18219	.06411	-.039109	.002324	.05945	.00288
FEB	5	38796	-.18469	.06651	-.040208	.002460	.05912	.00289
FEB	6	38797	-.18709	.06881	-.041424	.002561	.05879	.00282
FEB	7	38798	-.18949	.07121	-.042710	.002590	.05852	.00270
FEB	8	38799	-.19179	.07361	-.043989	.002535	.05838	.00253

FEB	9	38800	-.19409	.07601	-.045177	.002420	.05841	.00234
FEB	10	38801	-.19629	.07841	-.046212	.002254	.05861	.00217
FEB	11	38802	-.19839	.08081	-.047081	.002077	.05893	.00204
FEB	12	38803	-.20049	.08321	-.047780	.001944	.05932	.00198
FEB	13	38804	-.20249	.08561	-.048401	.001905	.05970	.00197
FEB	14	38805	-.20449	.08811	-.049031	.001973	.06001	.00203
FEB	15	38806	-.20649	.09051	-.049800	.002157	.06017	.00212
FEB	16	38807	-.20839	.09301	-.050767	.002378	.06017	.00222
FEB	17	38808	-.21019	.09551	-.051943	.002564	.06001	.00230
FEB	18	38809	-.21199	.09801	-.053273	.002659	.05973	.00233
FEB	19	38810	-.21379	.10061	-.054633	.002643	.05940	.00230
FEB	20	38811	-.21549	.10321	-.055936	.002539	.05908	.00220
FEB	21	38812	-.21709	.10581	-.057101	.002373	.05886	.00205
FEB	22	38813	-.21869	.10841	-.058085	.002194	.05878	.00186
FEB	23	38814	-.22029	.11111	-.058891	.002023	.05887	.00167
FEB	24	38815	-.22179	.11381	-.059551	.001894	.05912	.00150
FEB	25	38816	-.22329	.11651	-.060105	.001803	.05948	.00138
FEB	26	38817	-.22468	.11932	-.060587	.001781	.05989	.00133
FEB	27	38818	-.22608	.12212	-.061089	.001812	.06026	.00133
FEB	28	38819	-.22748	.12492	-.061653	.001925	.06053	.00140
MAR	1	38820	-.22878	.12782	.037643	.002082	.06064	.00149
MAR	2	38821	-.22998	.13072	.036772	.002275	.06059	.00158
MAR	3	38822	-.23118	.13372	.035687	.002483	.06039	.00164
MAR	4	38823	-.23238	.13672	.034410	.002676	.06009	.00164
MAR	5	38824	-.23348	.13972	.032951	.002823	.05976	.00158
MAR	6	38825	-.23458	.14282	.031379	.002899	.05947	.00146
MAR	7	38826	-.23558	.14592	.029781	.002894	.05930	.00128
MAR	8	38827	-.23658	.14902	.028218	.002803	.05929	.00109
MAR	9	38828	-.23748	.15222	.026773	.002671	.05944	.00090
MAR	10	38829	-.23828	.15542	.025470	.002527	.05974	.00074
MAR	11	38830	-.23908	.15862	.024298	.002406	.06013	.00064
MAR	12	38831	-.23988	.16182	.023221	.002365	.06054	.00060
MAR	13	38832	-.24048	.16512	.022132	.002422	.06089	.00063
MAR	14	38833	-.24108	.16832	.020922	.002582	.06111	.00070
MAR	15	38834	-.24168	.17162	.019525	.002809	.06118	.00080
MAR	16	38835	-.24208	.17492	.017904	.003028	.06108	.00088
MAR	17	38836	-.24248	.17822	.016090	.003184	.06084	.00092
MAR	18	38837	-.24278	.18162	.014170	.003235	.06052	.00091
MAR	19	38838	-.24308	.18492	.012248	.003173	.06020	.00082
MAR	20	38839	-.24318	.18822	.010435	.003021	.05995	.00068
MAR	21	38840	-.24328	.19162	.008812	.002820	.05983	.00050
MAR	22	38841	-.24328	.19492	.007397	.002612	.05988	.00030
MAR	23	38842	-.24318	.19832	.006180	.002428	.06009	.00012
MAR	24	38843	-.24308	.20162	.005116	.002290	.06043	-.00002
MAR	25	38844	-.24278	.20492	.004159	.002223	.06083	-.00009
MAR	26	38845	-.24248	.20822	.003247	.002212	.06123	-.00010
MAR	27	38846	-.24208	.21162	.002304	.002276	.06154	-.00005
MAR	28	38847	-.24158	.21492	.001276	.002388	.06171	.00004
MAR	29	38848	-.24108	.21822	.000102	.002545	.06172	.00014
MAR	30	38849	-.24038	.22142	-.001242	.002737	.06156	.00021
MAR	31	38850	-.23968	.22472	-.002781	.002928	.06129	.00024
APR	1	38851	-.23888	.22802	-.004487	.003076	.06096	.00021
APR	2	38852	-.23808	.23122	-.006310	.003157	.06065	.00012

APR	3	38853	-.23717	.23443	-.008181	.003148	.06044	-.00003
APR	4	38854	-.23617	.23763	-.009985	.003047	.06037	-.00022
APR	5	38855	-.23517	.24083	-.011650	.002877	.06046	-.00041
APR	6	38856	-.23407	.24403	-.013130	.002673	.06072	-.00057
APR	7	38857	-.23297	.24723	-.014426	.002507	.06108	-.00067
APR	8	38858	-.23187	.25033	-.015580	.002406	.06148	-.00072
APR	9	38859	-.23057	.25343	-.016682	.002416	.06184	-.00070
APR	10	38860	-.22937	.25653	-.017846	.002518	.06210	-.00062
APR	11	38861	-.22807	.25963	-.019164	.002696	.06221	-.00052
APR	12	38862	-.22677	.26273	-.020668	.002901	.06215	-.00041
APR	13	38863	-.22537	.26573	-.022364	.003072	.06194	-.00034
APR	14	38864	-.22397	.26873	-.024185	.003153	.06162	-.00032
APR	15	38865	-.22257	.27183	-.026044	.003127	.06128	-.00036
APR	16	38866	-.22117	.27473	-.027815	.003000	.06098	-.00046
APR	17	38867	-.21967	.27773	-.029421	.002793	.06080	-.00062
APR	18	38868	-.21817	.28073	-.030801	.002557	.06077	-.00079
APR	19	38869	-.21667	.28363	-.031947	.002318	.06090	-.00096
APR	20	38870	-.21507	.28653	-.032860	.002117	.06118	-.00110
APR	21	38871	-.21357	.28943	-.033599	.001973	.06155	-.00117
APR	22	38872	-.21197	.29223	-.034237	.001905	.06193	-.00118
APR	23	38873	-.21037	.29513	-.034843	.001906	.06224	-.00113
APR	24	38874	-.20887	.29793	-.035481	.001959	.06244	-.00103
APR	25	38875	-.20727	.30063	-.036197	.002070	.06247	-.00090
APR	26	38876	-.20557	.30343	-.037042	.002214	.06233	-.00079
APR	27	38877	-.20397	.30613	-.038039	.002379	.06205	-.00072
APR	28	38878	-.20237	.30883	-.039206	.002529	.06170	-.00071
APR	29	38879	-.20077	.31153	-.040491	.002631	.06133	-.00076
APR	30	38880	-.19907	.31423	-.041850	.002662	.06104	-.00087
MAY	1	38881	-.19747	.31683	-.043191	.002593	.06088	-.00102
MAY	2	38882	-.19587	.31943	-.044425	.002442	.06089	-.00119
MAY	3	38883	-.19417	.32203	-.045458	.002231	.06105	-.00133
MAY	4	38884	-.19257	.32453	-.046299	.002047	.06134	-.00143
MAY	5	38885	-.19087	.32713	-.046986	.001931	.06169	-.00147
MAY	6	38886	-.18927	.32963	-.047606	.001908	.06203	-.00145
MAY	7	38887	-.18767	.33203	-.048249	.001993	.06228	-.00136
MAY	8	38888	-.18597	.33453	-.049028	.002166	.06239	-.00124
MAY	9	38889	-.18437	.33693	-.050003	.002373	.06233	-.00110
MAY	10	38890	-.18276	.33934	-.051168	.002551	.06211	-.00099
MAY	11	38891	-.18106	.34164	-.052493	.002665	.06177	-.00092
MAY	12	38892	-.17946	.34394	-.053888	.002699	.06137	-.00092
MAY	13	38893	-.17776	.34624	-.055260	.002629	.06099	-.00098
MAY	14	38894	-.17606	.34854	-.056521	.002473	.06071	-.00109
MAY	15	38895	-.17446	.35074	-.057601	.002283	.06057	-.00124
MAY	16	38896	-.17276	.35294	-.058495	.002085	.06059	-.00139
MAY	17	38897	-.17096	.35514	-.059190	.001912	.06077	-.00151
MAY	18	38898	-.16926	.35724	-.059735	.001777	.06105	-.00158
MAY	19	38899	-.16746	.35934	-.060176	.001705	.06138	-.00158
MAY	20	38900	-.16576	.36144	-.060579	.001712	.06166	-.00152
MAY	21	38901	-.16396	.36344	-.061022	.001774	.06183	-.00141
MAY	22	38902	-.16206	.36544	-.061554	.001898	.06185	-.00127
MAY	23	38903	-.16016	.36744	-.062228	.002047	.06170	-.00112
MAY	24	38904	-.15826	.36944	-.063072	.002223	.06140	-.00101
MAY	25	38905	-.15636	.37134	-.064082	.002394	.06099	-.00095

MAY	26	38906	-.15436	.37324	-.065252	.002527	.06056	-.00096
MAY	27	38907	-.15236	.37514	-.066527	.002611	.06017	-.00103
MAY	28	38908	-.15026	.37704	-.067844	.002597	.05989	-.00115
MAY	29	38909	-.14806	.37884	-.069109	.002496	.05977	-.00129
MAY	30	38910	-.14586	.38074	-.070210	.002307	.05982	-.00142
MAY	31	38911	-.14366	.38254	-.071124	.002103	.06000	-.00152
JUN	1	38912	-.14136	.38434	-.071831	.001934	.06027	-.00156
JUN	2	38913	-.13896	.38614	-.072425	.001863	.06055	-.00153
JUN	3	38914	-.13656	.38794	-.073017	.001921	.06077	-.00144
JUN	4	38915	-.13406	.38974	-.073699	.002065	.06086	-.00130
JUN	5	38916	-.13146	.39154	-.074571	.002251	.06078	-.00115
JUN	6	38917	-.12876	.39334	-.075616	.002431	.06054	-.00101
JUN	7	38918	-.12606	.39514	-.076812	.002537	.06016	-.00090
JUN	8	38919	-.12326	.39684	-.078071	.002565	.05970	-.00086
JUN	9	38920	-.12036	.39864	-.079333	.002505	.05924	-.00088
JUN	10	38921	-.11736	.40034	-.080477	.002363	.05885	-.00096
JUN	11	38922	-.11426	.40204	-.081454	.002175	.05859	-.00108
JUN	12	38923	-.11116	.40374	-.082233	.001974	.05849	-.00122
JUN	13	38924	-.10796	.40544	-.082816	.001788	.05856	-.00133
JUN	14	38925	-.10466	.40714	-.083222	.001632	.05875	-.00141
JUN	15	38926	-.10125	.40875	-.083499	.001522	.05900	-.00142
JUN	16	38927	-.09785	.41035	-.083708	.001488	.05923	-.00136
JUN	17	38928	-.09435	.41195	-.083897	.001500	.05938	-.00125
JUN	18	38929	-.09075	.41355	-.084137	.001567	.05939	-.00110
JUN	19	38930	-.08705	.41505	-.084455	.001663	.05923	-.00094
JUN	20	38931	-.08335	.41645	-.084880	.001788	.05891	-.00080
JUN	21	38932	-.07955	.41795	-.085430	.001900	.05846	-.00072
JUN	22	38933	-.07575	.41925	-.086094	.002002	.05797	-.00069
JUN	23	38934	-.07185	.42065	-.086820	.002032	.05750	-.00073
JUN	24	38935	-.06795	.42185	-.087545	.002005	.05712	-.00082
JUN	25	38936	-.06395	.42315	-.088222	.001914	.05689	-.00095
JUN	26	38937	-.05995	.42425	-.088764	.001739	.05682	-.00108
JUN	27	38938	-.05585	.42535	-.089103	.001523	.05691	-.00118
JUN	28	38939	-.05175	.42645	-.089224	.001317	.05711	-.00123
JUN	29	38940	-.04765	.42745	-.089162	.001187	.05734	-.00122
JUN	30	38941	-.04355	.42835	-.089040	.001198	.05754	-.00114
JUL	1	38942	-.03945	.42915	.011001	.001328	.05762	-.00101
JUL	2	38943	-.03525	.42995	.010872	.001537	.05756	-.00085
JUL	3	38944	-.03115	.43065	.010528	.001756	.05732	-.00070
JUL	4	38945	-.02705	.43135	.009983	.001918	.05693	-.00057
JUL	5	38946	-.02285	.43195	.009326	.001970	.05645	-.00051
JUL	6	38947	-.01875	.43245	.008658	.001930	.05594	-.00050
JUL	7	38948	-.01465	.43285	.008083	.001811	.05548	-.00056
JUL	8	38949	-.01065	.43325	.007652	.001646	.05514	-.00067
JUL	9	38950	-.00665	.43355	.007384	.001480	.05495	-.00080
JUL	10	38951	-.00265	.43385	.007277	.001319	.05493	-.00092
JUL	11	38952	.00135	.43395	.007324	.001195	.05505	-.00101
JUL	12	38953	.00515	.43405	.007460	.001134	.05526	-.00104
JUL	13	38954	.00905	.43415	.007636	.001125	.05548	-.00101
JUL	14	38955	.01275	.43415	.007769	.001190	.05564	-.00091
JUL	15	38956	.01645	.43405	.007827	.001303	.05568	-.00077
JUL	16	38957	.02015	.43385	.007749	.001449	.05555	-.00061
JUL	17	38958	.02365	.43365	.007512	.001617	.05526	-.00047

JUL	18	38959	.02715	.43335	.007106	.001774	.05483	-.00036
JUL	19	38960	.03055	.43305	.006552	.001919	.05433	-.00031
JUL	20	38961	.03385	.43265	.005881	.002015	.05383	-.00033
JUL	21	38962	.03705	.43215	.005149	.002047	.05341	-.00042
JUL	22	38963	.04016	.43166	.004401	.002020	.05312	-.00054
JUL	23	38964	.04316	.43106	.003724	.001902	.05299	-.00067
JUL	24	38965	.04606	.43036	.003206	.001726	.05303	-.00079
JUL	25	38966	.04896	.42966	.002868	.001554	.05320	-.00086
JUL	26	38967	.05166	.42886	.002683	.001418	.05343	-.00087
JUL	27	38968	.05436	.42796	.002586	.001396	.05365	-.00082
JUL	28	38969	.05686	.42706	.002448	.001501	.05378	-.00070
JUL	29	38970	.05936	.42606	.002149	.001710	.05378	-.00055
JUL	30	38971	.06176	.42496	.001616	.001944	.05361	-.00040
JUL	31	38972	.06406	.42386	.000866	.002143	.05328	-.00027
AUG	1	38973	.06626	.42266	-.000034	.002226	.05283	-.00018
AUG	2	38974	.06836	.42136	-.000963	.002192	.05234	-.00016
AUG	3	38975	.07036	.41996	-.001794	.002044	.05188	-.00020
AUG	4	38976	.07236	.41856	-.002450	.001843	.05151	-.00030
AUG	5	38977	.07426	.41706	-.002883	.001624	.05130	-.00043
AUG	6	38978	.07606	.41546	-.003104	.001413	.05125	-.00057
AUG	7	38979	.07786	.41386	-.003133	.001243	.05137	-.00067
AUG	8	38980	.07956	.41216	-.003018	.001138	.05159	-.00073
AUG	9	38981	.08126	.41036	-.002829	.001096	.05185	-.00072
AUG	10	38982	.08286	.40846	-.002642	.001118	.05207	-.00064
AUG	11	38983	.08446	.40646	-.002496	.001200	.05219	-.00052
AUG	12	38984	.08596	.40446	-.002467	.001338	.05216	-.00036
AUG	13	38985	.08756	.40236	-.002592	.001504	.05196	-.00021
AUG	14	38986	.08906	.40016	-.002887	.001674	.05161	-.00010
AUG	15	38987	.09046	.39796	-.003342	.001832	.05118	-.00003
AUG	16	38988	.09196	.39556	-.003936	.001948	.05072	-.00003
AUG	17	38989	.09336	.39316	-.004629	.002007	.05031	-.00010
AUG	18	38990	.09486	.39066	-.005338	.002011	.05003	-.00021
AUG	19	38991	.09626	.38816	-.006029	.001942	.04991	-.00035
AUG	20	38992	.09766	.38556	-.006624	.001831	.04995	-.00048
AUG	21	38993	.09906	.38286	-.007084	.001689	.05014	-.00057
AUG	22	38994	.10056	.38006	-.007420	.001582	.05042	-.00060
AUG	23	38995	.10196	.37726	-.007684	.001553	.05071	-.00057
AUG	24	38996	.10346	.37436	-.007977	.001643	.05095	-.00047
AUG	25	38997	.10496	.37136	-.008421	.001842	.05106	-.00033
AUG	26	38998	.10646	.36836	-.009106	.002127	.05101	-.00018
AUG	27	38999	.10797	.36527	-.010083	.002408	.05080	-.00003
AUG	28	39000	.10947	.36217	-.011295	.002596	.05045	.00007
AUG	29	39001	.11107	.35897	-.012631	.002652	.05004	.00012
AUG	30	39002	.11267	.35567	-.013963	.002573	.04963	.00009
AUG	31	39003	.11427	.35237	-.015163	.002396	.04931	.00001
SEP	1	39004	.11587	.34907	.083850	.002176	.04911	-.00011
SEP	2	39005	.11747	.34567	.083083	.001953	.04909	-.00025
SEP	3	39006	.11917	.34227	.082520	.001773	.04923	-.00036
SEP	4	39007	.12087	.33887	.082108	.001663	.04951	-.00043
SEP	5	39008	.12267	.33537	.081771	.001612	.04984	-.00044
SEP	6	39009	.12437	.33187	.081461	.001619	.05017	-.00038
SEP	7	39010	.12617	.32837	.081103	.001699	.05041	-.00026
SEP	8	39011	.12797	.32477	.080647	.001819	.05051	-.00011

SEP	9	39012	.12987	.32117	.080042	.001984	.05045	.00005
SEP	10	39013	.13167	.31767	.079265	.002159	.05023	.00018
SEP	11	39014	.13357	.31407	.078319	.002310	.04990	.00027
SEP	12	39015	.13547	.31037	.077239	.002431	.04953	.00030
SEP	13	39016	.13737	.30677	.076078	.002491	.04918	.00026
SEP	14	39017	.13927	.30317	.074882	.002478	.04894	.00017
SEP	15	39018	.14117	.29957	.073735	.002405	.04885	.00004
SEP	16	39019	.14307	.29587	.072690	.002279	.04893	-.00008
SEP	17	39020	.14497	.29227	.071784	.002132	.04916	-.00018
SEP	18	39021	.14687	.28867	.071020	.002003	.04951	-.00023
SEP	19	39022	.14877	.28497	.070356	.001939	.04989	-.00020
SEP	20	39023	.15067	.28137	.069698	.001977	.05024	-.00012
SEP	21	39024	.15257	.27777	.068944	.002141	.05048	.00002
SEP	22	39025	.15447	.27417	.067964	.002400	.05057	.00018
SEP	23	39026	.15627	.27067	.066711	.002696	.05050	.00035
SEP	24	39027	.15807	.26707	.065185	.002952	.05028	.00048
SEP	25	39028	.15997	.26347	.063444	.003088	.04997	.00055
SEP	26	39029	.16167	.25997	.061636	.003094	.04964	.00056
SEP	27	39030	.16347	.25647	.059890	.002982	.04936	.00051
SEP	28	39031	.16517	.25297	.058309	.002771	.04921	.00041
SEP	29	39032	.16687	.24947	.056955	.002528	.04921	.00029
SEP	30	39033	.16857	.24607	.055823	.002324	.04939	.00018
OCT	1	39034	.17017	.24257	.054887	.002169	.04971	.00010
OCT	2	39035	.17177	.23917	.054060	.002078	.05011	.00009
OCT	3	39036	.17338	.23578	.053297	.002061	.05053	.00014
OCT	4	39037	.17488	.23248	.052505	.002113	.05089	.00025
OCT	5	39038	.17638	.22908	.051641	.002213	.05112	.00041
OCT	6	39039	.17778	.22578	.050646	.002342	.05119	.00059
OCT	7	39040	.17918	.22248	.049540	.002491	.05109	.00075
OCT	8	39041	.18058	.21928	.048265	.002644	.05087	.00087
OCT	9	39042	.18188	.21598	.046861	.002758	.05058	.00093
OCT	10	39043	.18308	.21278	.045358	.002825	.05029	.00093
OCT	11	39044	.18428	.20958	.043825	.002817	.05008	.00086
OCT	12	39045	.18548	.20648	.042342	.002728	.05001	.00076
OCT	13	39046	.18658	.20338	.040993	.002570	.05010	.00065
OCT	14	39047	.18758	.20028	.039814	.002377	.05036	.00056
OCT	15	39048	.18848	.19718	.038835	.002196	.05074	.00051
OCT	16	39049	.18938	.19418	.038001	.002065	.05119	.00052
OCT	17	39050	.19028	.19118	.037254	.002038	.05162	.00060
OCT	18	39051	.19098	.18828	.036477	.002132	.05196	.00074
OCT	19	39052	.19168	.18528	.035557	.002322	.05217	.00092
OCT	20	39053	.19228	.18248	.034415	.002567	.05220	.00110
OCT	21	39054	.19278	.17958	.033025	.002815	.05208	.00126
OCT	22	39055	.19318	.17678	.031410	.002989	.05185	.00137
OCT	23	39056	.19348	.17408	.029687	.003034	.05157	.00141
OCT	24	39057	.19378	.17128	.027965	.002960	.05132	.00140
OCT	25	39058	.19388	.16868	.026382	.002792	.05117	.00133
OCT	26	39059	.19398	.16598	.024999	.002560	.05117	.00122
OCT	27	39060	.19398	.16338	.023852	.002341	.05134	.00112
OCT	28	39061	.19388	.16078	.022894	.002155	.05166	.00105
OCT	29	39062	.19368	.15818	.022097	.002050	.05209	.00103
OCT	30	39063	.19338	.15568	.021368	.002012	.05255	.00107
OCT	31	39064	.19298	.15318	.020649	.002049	.05298	.00118

NOV	1	39065	.19258	.15068	.019849	.002150	.05329	.00134
NOV	2	39066	.19198	.14818	.018923	.002298	.05345	.00152
NOV	3	39067	.19138	.14578	.017833	.002472	.05344	.00170
NOV	4	39068	.19068	.14328	.016566	.002660	.05328	.00185
NOV	5	39069	.18988	.14088	.015119	.002829	.05303	.00195
NOV	6	39070	.18908	.13848	.013521	.002946	.05276	.00198
NOV	7	39071	.18808	.13608	.011828	.003007	.05254	.00194
NOV	8	39072	.18709	.13359	.010125	.002976	.05245	.00186
NOV	9	39073	.18599	.13119	.008494	.002872	.05251	.00176
NOV	10	39074	.18479	.12879	.007010	.002701	.05274	.00167
NOV	11	39075	.18359	.12639	.005686	.002530	.05310	.00161
NOV	12	39076	.18219	.12389	.004514	.002396	.05355	.00161
NOV	13	39077	.18079	.12149	.003452	.002345	.05401	.00168
NOV	14	39078	.17929	.11909	.002375	.002417	.05440	.00181
NOV	15	39079	.17779	.11659	.001184	.002569	.05466	.00199
NOV	16	39080	.17619	.11409	-.000203	.002789	.05476	.00218
NOV	17	39081	.17449	.11169	-.001796	.003003	.05470	.00235
NOV	18	39082	.17269	.10919	-.003591	.003163	.05450	.00248
NOV	19	39083	.17089	.10669	-.005501	.003218	.05423	.00256
NOV	20	39084	.16899	.10419	-.007408	.003158	.05396	.00256
NOV	21	39085	.16709	.10169	-.009192	.002995	.05377	.00251
NOV	22	39086	.16509	.09919	-.010776	.002755	.05372	.00242
NOV	23	39087	.16299	.09669	-.012105	.002504	.05383	.00231
NOV	24	39088	.16089	.09419	-.013202	.002278	.05410	.00223
NOV	25	39089	.15869	.09169	-.014100	.002109	.05450	.00219
NOV	26	39090	.15649	.08929	-.014854	.002013	.05495	.00221
NOV	27	39091	.15419	.08679	-.015551	.001993	.05538	.00230
NOV	28	39092	.15179	.08429	-.016263	.002031	.05572	.00244
NOV	29	39093	.14939	.08189	-.017051	.002133	.05592	.00262
NOV	30	39094	.14699	.07939	-.017959	.002277	.05595	.00280
DEC	1	39095	.14449	.07699	-.019018	.002420	.05582	.00296
DEC	2	39096	.14189	.07459	-.020206	.002552	.05558	.00307
DEC	3	39097	.13939	.07219	-.021512	.002643	.05529	.00312
DEC	4	39098	.13669	.06979	-.022895	.002693	.05503	.00310
DEC	5	39099	.13409	.06739	-.024285	.002654	.05486	.00302
DEC	6	39100	.13139	.06509	-.025587	.002545	.05485	.00291
DEC	7	39101	.12869	.06279	-.026751	.002354	.05500	.00281
DEC	8	39102	.12589	.06049	-.027701	.002136	.05530	.00273
DEC	9	39103	.12309	.05829	-.028429	.001938	.05571	.00270
DEC	10	39104	.12029	.05609	-.029005	.001800	.05615	.00273
DEC	11	39105	.11739	.05389	-.029489	.001790	.05654	.00283
DEC	12	39106	.11449	.05169	-.030033	.001904	.05682	.00298
DEC	13	39107	.11159	.04959	-.030733	.002101	.05695	.00316
DEC	14	39108	.10869	.04749	-.031647	.002316	.05690	.00333
DEC	15	39109	.10570	.04550	-.032755	.002477	.05671	.00346
DEC	16	39110	.10270	.04350	-.033970	.002544	.05643	.00354
DEC	17	39111	.09980	.04150	-.035217	.002512	.05612	.00355
DEC	18	39112	.09680	.03960	-.036382	.002394	.05587	.00350
DEC	19	39113	.09380	.03770	-.037394	.002211	.05573	.00339
DEC	20	39114	.09080	.03590	-.038206	.002022	.05576	.00327
DEC	21	39115	.08770	.03410	-.038852	.001847	.05595	.00316
DEC	22	39116	.08470	.03240	-.039335	.001718	.05627	.00308
DEC	23	39117	.08170	.03070	-.039710	.001644	.05668	.00306

DEC	24	39118	.07870	.02910	-.040058	.001653	.05710	.00311
DEC	25	39119	.07570	.02760	-.040449	.001741	.05744	.00321
DEC	26	39120	.07270	.02610	-.040969	.001886	.05766	.00336
DEC	27	39121	.06980	.02470	-.041635	.002049	.05771	.00352
DEC	28	39122	.06680	.02340	-.042483	.002226	.05759	.00366
DEC	29	39123	.06390	.02210	-.043495	.002395	.05734	.00376
DEC	30	39124	.06100	.02090	-.044663	.002526	.05703	.00381
DEC	31	39125	.05810	.01980	-.045934	.002605	.05671	.00378