

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	
(0h UTC)		"	"	s	s	"	"	
YEAR ==> 1968								
JAN	1	39856	-.02710	.23720	.094151	.002015	.05693	.00312
JAN	2	39857	-.02670	.23750	.094648	.002184	.05723	.00323
JAN	3	39858	-.02640	.23790	.094963	.002376	.05739	.00337
JAN	4	39859	-.02600	.23820	.095095	.002552	.05738	.00352
JAN	5	39860	-.02560	.23850	.095069	.002668	.05722	.00364
JAN	6	39861	-.02510	.23880	.094955	.002719	.05693	.00372
JAN	7	39862	-.02470	.23910	.094846	.002687	.05660	.00372
JAN	8	39863	-.02420	.23930	.094782	.002604	.05630	.00366
JAN	9	39864	-.02370	.23950	.094835	.002473	.05610	.00355
JAN	10	39865	-.02320	.23970	.095024	.002325	.05604	.00340
JAN	11	39866	-.02270	.23990	.095366	.002163	.05616	.00326
JAN	12	39867	-.02220	.24010	.095872	.002022	.05642	.00314
JAN	13	39868	-.02170	.24020	.096497	.001927	.05679	.00307
JAN	14	39869	-.02120	.24040	.097184	.001894	.05719	.00306
JAN	15	39870	-.02070	.24050	.097861	.001959	.05755	.00312
JAN	16	39871	-.02020	.24060	.098426	.002106	.05780	.00322
JAN	17	39872	-.01970	.24070	.098793	.002340	.05789	.00335
JAN	18	39873	-.01920	.24080	.098921	.002604	.05782	.00348
JAN	19	39874	-.01870	.24090	.098769	.002854	.05759	.00357
JAN	20	39875	-.01820	.24100	.098409	.003033	.05728	.00360
JAN	21	39876	-.01769	.24111	.097923	.003107	.05694	.00357
JAN	22	39877	-.01709	.24121	.097429	.003050	.05666	.00347
JAN	23	39878	-.01659	.24121	.097053	.002874	.05649	.00333
JAN	24	39879	-.01609	.24131	.096897	.002623	.05649	.00316
JAN	25	39880	-.01559	.24141	.097001	.002363	.05665	.00300
JAN	26	39881	-.01509	.24141	.097341	.002163	.05696	.00288
JAN	27	39882	-.01459	.24151	.097817	.002088	.05734	.00281
JAN	28	39883	-.01409	.24151	.098311	.002135	.05773	.00281
JAN	29	39884	-.01349	.24161	.098691	.002303	.05805	.00287
JAN	30	39885	-.01299	.24161	.098877	.002529	.05825	.00297
JAN	31	39886	-.01239	.24161	.098823	.002744	.05828	.00308
FEB	1	39887	-.01179	.24171	-.001422	.002916	.05815	.00318
FEB	2	39888	-.01119	.24171	-.001803	.003011	.05789	.00324
FEB	3	39889	-.01059	.24171	-.002226	.003022	.05755	.00323
FEB	4	39890	-.00999	.24171	-.002642	.002970	.05722	.00316
FEB	5	39891	-.00929	.24171	-.002958	.002843	.05697	.00303
FEB	6	39892	-.00859	.24171	-.003147	.002692	.05686	.00285
FEB	7	39893	-.00789	.24171	-.003158	.002532	.05692	.00267
FEB	8	39894	-.00719	.24161	-.003016	.002379	.05713	.00250

FEB	9	39895	-.00639	.24161	-.002759	.002277	.05747	.00238
FEB	10	39896	-.00569	.24161	-.002411	.002230	.05787	.00232
FEB	11	39897	-.00489	.24151	-.002057	.002256	.05825	.00233
FEB	12	39898	-.00409	.24141	-.001776	.002379	.05853	.00239
FEB	13	39899	-.00329	.24141	-.001665	.002593	.05868	.00248
FEB	14	39900	-.00239	.24131	-.001792	.002860	.05866	.00258
FEB	15	39901	-.00159	.24121	-.002196	.003133	.05848	.00265
FEB	16	39902	-.00069	.24111	-.002847	.003334	.05819	.00268
FEB	17	39903	.00021	.24101	-.003653	.003423	.05785	.00264
FEB	18	39904	.00111	.24091	-.004454	.003342	.05755	.00253
FEB	19	39905	.00201	.24071	-.005092	.003125	.05734	.00237
FEB	20	39906	.00291	.24061	-.005483	.002821	.05729	.00218
FEB	21	39907	.00381	.24041	-.005559	.002513	.05741	.00198
FEB	22	39908	.00481	.24031	-.005339	.002260	.05768	.00182
FEB	23	39909	.00571	.24011	-.004926	.002104	.05805	.00171
FEB	24	39910	.00661	.24001	-.004409	.002085	.05845	.00166
FEB	25	39911	.00761	.23981	-.003945	.002182	.05881	.00168
FEB	26	39912	.00852	.23962	-.003618	.002364	.05906	.00174
FEB	27	39913	.00952	.23942	-.003489	.002558	.05916	.00183
FEB	28	39914	.01042	.23922	-.003543	.002731	.05909	.00192
FEB	29	39915	.01142	.23902	-.003747	.002844	.05887	.00197
MAR	1	39916	.01232	.23882	-.004021	.002861	.05856	.00197
MAR	2	39917	.01322	.23862	-.004270	.002804	.05824	.00190
MAR	3	39918	.01412	.23842	-.004426	.002680	.05796	.00176
MAR	4	39919	.01502	.23822	-.004435	.002522	.05782	.00158
MAR	5	39920	.01582	.23802	-.004284	.002345	.05783	.00138
MAR	6	39921	.01672	.23782	-.003949	.002179	.05800	.00119
MAR	7	39922	.01752	.23762	-.003464	.002039	.05832	.00103
MAR	8	39923	.01832	.23742	-.002866	.001966	.05872	.00094
MAR	9	39924	.01902	.23722	-.002231	.001971	.05912	.00091
MAR	10	39925	.01982	.23702	-.001647	.002066	.05946	.00094
MAR	11	39926	.02052	.23692	-.001206	.002248	.05967	.00102
MAR	12	39927	.02112	.23672	-.000991	.002514	.05971	.00111
MAR	13	39928	.02182	.23662	-.001067	.002820	.05959	.00118
MAR	14	39929	.02242	.23642	-.001452	.003100	.05934	.00122
MAR	15	39930	.02302	.23632	-.002060	.003275	.05902	.00119
MAR	16	39931	.02352	.23612	-.002757	.003290	.05871	.00109
MAR	17	39932	.02412	.23602	-.003393	.003137	.05848	.00094
MAR	18	39933	.02462	.23592	-.003798	.002859	.05838	.00075
MAR	19	39934	.02502	.23582	-.003907	.002529	.05845	.00055
MAR	20	39935	.02552	.23572	-.003692	.002243	.05869	.00037
MAR	21	39936	.02602	.23562	-.003249	.002074	.05904	.00024
MAR	22	39937	.02642	.23552	-.002704	.002049	.05945	.00017
MAR	23	39938	.02682	.23542	-.002197	.002135	.05984	.00016
MAR	24	39939	.02732	.23542	-.001823	.002306	.06014	.00022
MAR	25	39940	.02772	.23532	-.001640	.002520	.06029	.00030
MAR	26	39941	.02812	.23522	-.001668	.002720	.06028	.00040
MAR	27	39942	.02852	.23522	-.001882	.002877	.06011	.00046
MAR	28	39943	.02902	.23512	-.002205	.002955	.05983	.00048
MAR	29	39944	.02942	.23502	-.002584	.002960	.05950	.00044
MAR	30	39945	.02992	.23502	-.002930	.002900	.05921	.00033
MAR	31	39946	.03042	.23492	-.003175	.002773	.05901	.00017
APR	1	39947	.03092	.23482	-.003287	.002628	.05897	-.00003

APR	2	39948	.03142	.23482	-.003250	.002483	.05909	-.00021
APR	3	39949	.03203	.23473	-.003082	.002387	.05937	-.00037
APR	4	39950	.03253	.23463	-.002861	.002343	.05974	-.00048
APR	5	39951	.03323	.23453	-.002610	.002359	.06015	-.00052
APR	6	39952	.03383	.23443	-.002416	.002447	.06051	-.00049
APR	7	39953	.03443	.23433	-.002345	.002626	.06076	-.00042
APR	8	39954	.03513	.23423	-.002506	.002893	.06085	-.00032
APR	9	39955	.03583	.23413	-.002981	.003234	.06077	-.00022
APR	10	39956	.03663	.23403	-.003790	.003560	.06054	-.00016
APR	11	39957	.03733	.23383	-.004891	.003826	.06023	-.00015
APR	12	39958	.03813	.23373	-.006206	.003937	.05989	-.00021
APR	13	39959	.03893	.23353	-.007536	.003871	.05961	-.00033
APR	14	39960	.03983	.23333	-.008703	.003631	.05945	-.00049
APR	15	39961	.04063	.23313	-.009575	.003296	.05945	-.00067
APR	16	39962	.04143	.23283	-.010106	.002957	.05962	-.00084
APR	17	39963	.04233	.23263	-.010341	.002712	.05992	-.00097
APR	18	39964	.04313	.23233	-.010398	.002608	.06030	-.00105
APR	19	39965	.04403	.23203	-.010414	.002623	.06068	-.00105
APR	20	39966	.04483	.23173	-.010507	.002756	.06099	-.00099
APR	21	39967	.04573	.23133	-.010750	.002922	.06117	-.00089
APR	22	39968	.04653	.23103	-.011158	.003080	.06118	-.00078
APR	23	39969	.04733	.23063	-.011703	.003191	.06103	-.00068
APR	24	39970	.04813	.23023	-.012326	.003223	.06075	-.00062
APR	25	39971	.04893	.22983	-.012944	.003189	.06039	-.00062
APR	26	39972	.04973	.22933	-.013498	.003090	.06005	-.00069
APR	27	39973	.05043	.22883	-.013913	.002921	.05978	-.00081
APR	28	39974	.05113	.22843	-.014137	.002714	.05965	-.00097
APR	29	39975	.05183	.22783	-.014156	.002497	.05968	-.00114
APR	30	39976	.05243	.22733	-.013967	.002310	.05987	-.00129
MAY	1	39977	.05303	.22683	-.013611	.002169	.06018	-.00139
MAY	2	39978	.05363	.22623	-.013136	.002094	.06054	-.00142
MAY	3	39979	.05413	.22563	-.012634	.002106	.06088	-.00139
MAY	4	39980	.05463	.22503	-.012185	.002190	.06113	-.00130
MAY	5	39981	.05503	.22443	-.011861	.002364	.06122	-.00118
MAY	6	39982	.05553	.22373	-.011746	.002605	.06115	-.00106
MAY	7	39983	.05583	.22313	-.011893	.002873	.06092	-.00095
MAY	8	39984	.05623	.22243	-.012316	.003132	.06058	-.00090
MAY	9	39985	.05654	.22174	-.012949	.003313	.06019	-.00091
MAY	10	39986	.05674	.22104	-.013692	.003335	.05983	-.00098
MAY	11	39987	.05704	.22034	-.014380	.003184	.05957	-.00111
MAY	12	39988	.05724	.21964	-.014834	.002897	.05946	-.00126
MAY	13	39989	.05734	.21884	-.014976	.002569	.05952	-.00141
MAY	14	39990	.05754	.21804	-.014799	.002285	.05972	-.00153
MAY	15	39991	.05764	.21734	-.014419	.002141	.06002	-.00160
MAY	16	39992	.05774	.21654	-.013954	.002153	.06035	-.00160
MAY	17	39993	.05784	.21574	-.013578	.002289	.06064	-.00154
MAY	18	39994	.05794	.21494	-.013373	.002497	.06080	-.00142
MAY	19	39995	.05794	.21414	-.013379	.002693	.06081	-.00128
MAY	20	39996	.05804	.21334	-.013561	.002841	.06064	-.00115
MAY	21	39997	.05804	.21244	-.013867	.002928	.06033	-.00105
MAY	22	39998	.05804	.21164	-.014202	.002930	.05993	-.00100
MAY	23	39999	.05804	.21084	-.014513	.002861	.05950	-.00102
MAY	24	40000	.05804	.20994	-.014714	.002733	.05914	-.00111

MAY	25	40001	.05804	.20914	-.014774	.002565	.05889	-.00123
MAY	26	40002	.05814	.20824	-.014647	.002370	.05880	-.00138
MAY	27	40003	.05814	.20744	-.014337	.002196	.05888	-.00151
MAY	28	40004	.05814	.20654	-.013872	.002062	.05909	-.00161
MAY	29	40005	.05814	.20564	-.013303	.001990	.05937	-.00164
MAY	30	40006	.05814	.20474	-.012689	.001984	.05966	-.00161
MAY	31	40007	.05814	.20394	-.012107	.002058	.05987	-.00152
JUN	1	40008	.05824	.20304	-.011638	.002196	.05995	-.00138
JUN	2	40009	.05824	.20214	-.011349	.002404	.05986	-.00123
JUN	3	40010	.05834	.20124	-.011268	.002638	.05960	-.00110
JUN	4	40011	.05844	.20034	-.011425	.002860	.05922	-.00100
JUN	5	40012	.05854	.19944	-.011790	.003037	.05876	-.00097
JUN	6	40013	.05864	.19854	-.012282	.003105	.05832	-.00101
JUN	7	40014	.05884	.19764	-.012771	.003016	.05795	-.00110
JUN	8	40015	.05894	.19664	-.013085	.002783	.05772	-.00123
JUN	9	40016	.05914	.19574	-.013126	.002460	.05765	-.00136
JUN	10	40017	.05934	.19484	-.012825	.002139	.05774	-.00148
JUN	11	40018	.05954	.19384	-.012246	.001914	.05795	-.00155
JUN	12	40019	.05974	.19294	-.011513	.001839	.05821	-.00156
JUN	13	40020	.05994	.19194	-.010783	.001903	.05845	-.00150
JUN	14	40021	.06024	.19104	-.010180	.002061	.05859	-.00138
JUN	15	40022	.06055	.19005	-.009743	.002240	.05858	-.00123
JUN	16	40023	.06075	.18905	-.009466	.002376	.05841	-.00108
JUN	17	40024	.06105	.18805	-.009276	.002412	.05807	-.00095
JUN	18	40025	.06135	.18705	-.009080	.002372	.05762	-.00087
JUN	19	40026	.06165	.18615	-.008793	.002255	.05714	-.00086
JUN	20	40027	.06195	.18515	-.008379	.002078	.05668	-.00091
JUN	21	40028	.06235	.18415	-.007757	.001872	.05632	-.00101
JUN	22	40029	.06265	.18315	-.006926	.001636	.05612	-.00114
JUN	23	40030	.06295	.18215	-.005840	.001408	.05609	-.00127
JUN	24	40031	.06325	.18115	-.004561	.001222	.05620	-.00137
JUN	25	40032	.06355	.18015	-.003124	.001104	.05641	-.00142
JUN	26	40033	.06385	.17915	-.001604	.001060	.05664	-.00140
JUN	27	40034	.06415	.17815	-.000081	.001098	.05683	-.00132
JUN	28	40035	.06445	.17715	.001354	.001223	.05691	-.00118
JUN	29	40036	.06475	.17615	.002633	.001419	.05682	-.00103
JUN	30	40037	.06505	.17525	.003696	.001648	.05657	-.00088
JUL	1	40038	.06535	.17425	.004518	.001882	.05617	-.00076
JUL	2	40039	.06555	.17325	.005127	.002089	.05568	-.00071
JUL	3	40040	.06575	.17235	.005551	.002206	.05518	-.00071
JUL	4	40041	.06595	.17135	.005926	.002202	.05473	-.00078
JUL	5	40042	.06615	.17045	.006380	.002072	.05441	-.00090
JUL	6	40043	.06635	.16955	.007006	.001845	.05425	-.00103
JUL	7	40044	.06645	.16865	.007871	.001608	.05425	-.00116
JUL	8	40045	.06655	.16775	.008961	.001417	.05439	-.00124
JUL	9	40046	.06655	.16685	.010184	.001341	.05461	-.00127
JUL	10	40047	.06665	.16605	.011408	.001427	.05483	-.00122
JUL	11	40048	.06665	.16515	.012480	.001627	.05498	-.00112
JUL	12	40049	.06655	.16435	.013316	.001893	.05499	-.00098
JUL	13	40050	.06645	.16355	.013881	.002139	.05484	-.00082
JUL	14	40051	.06635	.16265	.014255	.002287	.05453	-.00068
JUL	15	40052	.06615	.16185	.014520	.002347	.05409	-.00059
JUL	16	40053	.06595	.16115	.014774	.002302	.05358	-.00055

JUL	17	40054	.06575	.16035	.015109	.002187	.05309	-.00058
JUL	18	40055	.06545	.15955	.015595	.002026	.05268	-.00067
JUL	19	40056	.06515	.15885	.016255	.001834	.05241	-.00080
JUL	20	40057	.06475	.15815	.017106	.001657	.05231	-.00094
JUL	21	40058	.06436	.15746	.018121	.001499	.05237	-.00105
JUL	22	40059	.06386	.15676	.019272	.001383	.05255	-.00112
JUL	23	40060	.06336	.15606	.020502	.001349	.05278	-.00112
JUL	24	40061	.06286	.15536	.021736	.001397	.05299	-.00106
JUL	25	40062	.06226	.15466	.022870	.001529	.05310	-.00094
JUL	26	40063	.06166	.15406	.023836	.001740	.05307	-.00080
JUL	27	40064	.06096	.15346	.024566	.001983	.05288	-.00064
JUL	28	40065	.06026	.15276	.025042	.002234	.05253	-.00052
JUL	29	40066	.05956	.15216	.025285	.002447	.05207	-.00044
JUL	30	40067	.05876	.15166	.025369	.002567	.05157	-.00043
JUL	31	40068	.05796	.15106	.025382	.002569	.05112	-.00049
AUG	1	40069	.05716	.15046	.025452	.002471	.05077	-.00060
AUG	2	40070	.05626	.14996	.025659	.002273	.05057	-.00073
AUG	3	40071	.05536	.14946	.026089	.002050	.05054	-.00087
AUG	4	40072	.05436	.14896	.026740	.001850	.05067	-.00097
AUG	5	40073	.05346	.14846	.027545	.001750	.05089	-.00102
AUG	6	40074	.05246	.14806	.028372	.001810	.05115	-.00100
AUG	7	40075	.05136	.14756	.029071	.001993	.05136	-.00092
AUG	8	40076	.05036	.14716	.029538	.002252	.05145	-.00079
AUG	9	40077	.04926	.14676	.029742	.002526	.05139	-.00064
AUG	10	40078	.04816	.14636	.029695	.002734	.05117	-.00050
AUG	11	40079	.04706	.14596	.029487	.002844	.05080	-.00039
AUG	12	40080	.04596	.14556	.029223	.002846	.05035	-.00033
AUG	13	40081	.04476	.14516	.029015	.002737	.04989	-.00035
AUG	14	40082	.04366	.14476	.028951	.002566	.04949	-.00042
AUG	15	40083	.04246	.14436	.029073	.002367	.04922	-.00054
AUG	16	40084	.04126	.14406	.029408	.002146	.04911	-.00068
AUG	17	40085	.04006	.14366	.029961	.001952	.04917	-.00081
AUG	18	40086	.03886	.14326	.030676	.001808	.04937	-.00090
AUG	19	40087	.03756	.14296	.031503	.001730	.04965	-.00092
AUG	20	40088	.03636	.14256	.032369	.001734	.04993	-.00089
AUG	21	40089	.03516	.14216	.033189	.001812	.05015	-.00079
AUG	22	40090	.03386	.14176	.033909	.001969	.05023	-.00065
AUG	23	40091	.03266	.14146	.034421	.002194	.05015	-.00049
AUG	24	40092	.03136	.14106	.034695	.002437	.04991	-.00036
AUG	25	40093	.03016	.14066	.034740	.002653	.04954	-.00026
AUG	26	40094	.02886	.14026	.034601	.002787	.04912	-.00023
AUG	27	40095	.02767	.13987	.034400	.002782	.04871	-.00027
AUG	28	40096	.02647	.13947	.034263	.002651	.04839	-.00036
AUG	29	40097	.02517	.13897	.034313	.002417	.04821	-.00049
AUG	30	40098	.02397	.13857	.034623	.002151	.04821	-.00063
AUG	31	40099	.02277	.13807	.035193	.001913	.04836	-.00074
SEP	1	40100	.02157	.13767	.035938	.001775	.04864	-.00081
SEP	2	40101	.02037	.13717	.036778	.001767	.04897	-.00081
SEP	3	40102	.01917	.13667	.037559	.001881	.04928	-.00074
SEP	4	40103	.01797	.13617	.038153	.002105	.04949	-.00063
SEP	5	40104	.01677	.13557	.038506	.002379	.04957	-.00048
SEP	6	40105	.01557	.13507	.038593	.002628	.04947	-.00032
SEP	7	40106	.01447	.13447	.038468	.002787	.04923	-.00019

SEP	8	40107	.01327	.13387	.038235	.002849	.04888	-.00012
SEP	9	40108	.01217	.13327	.037994	.002797	.04850	-.00010
SEP	10	40109	.01097	.13267	.037848	.002675	.04816	-.00016
SEP	11	40110	.00987	.13207	.037850	.002506	.04792	-.00026
SEP	12	40111	.00877	.13137	.038031	.002315	.04785	-.00039
SEP	13	40112	.00767	.13067	.038395	.002144	.04794	-.00052
SEP	14	40113	.00657	.13007	.038909	.002017	.04819	-.00061
SEP	15	40114	.00547	.12937	.039518	.001956	.04854	-.00065
SEP	16	40115	.00437	.12857	.040161	.001971	.04891	-.00063
SEP	17	40116	.00327	.12787	.040738	.002060	.04924	-.00054
SEP	18	40117	.00227	.12717	.041195	.002230	.04946	-.00040
SEP	19	40118	.00117	.12637	.041446	.002469	.04952	-.00024
SEP	20	40119	.00007	.12567	.041434	.002738	.04942	-.00008
SEP	21	40120	-.00093	.12487	.041152	.003010	.04917	.00004
SEP	22	40121	-.00203	.12407	.040627	.003203	.04885	.00010
SEP	23	40122	-.00313	.12337	.039969	.003271	.04851	.00010
SEP	24	40123	-.00423	.12257	.039318	.003184	.04824	.00003
SEP	25	40124	-.00533	.12177	.038826	.002962	.04810	-.00007
SEP	26	40125	-.00643	.12107	.038608	.002657	.04812	-.00020
SEP	27	40126	-.00753	.12027	.038699	.002371	.04831	-.00031
SEP	28	40127	-.00863	.11947	.039038	.002161	.04864	-.00038
SEP	29	40128	-.00983	.11877	.039513	.002094	.04905	-.00040
SEP	30	40129	-.01103	.11807	.039985	.002154	.04946	-.00034
OCT	1	40130	-.01223	.11737	.040340	.002329	.04979	-.00022
OCT	2	40131	-.01342	.11668	.040498	.002548	.05000	-.00007
OCT	3	40132	-.01472	.11598	.040427	.002770	.05004	.00011
OCT	4	40133	-.01602	.11538	.040159	.002933	.04992	.00026
OCT	5	40134	-.01732	.11478	.039783	.002994	.04968	.00037
OCT	6	40135	-.01872	.11418	.039396	.002954	.04937	.00042
OCT	7	40136	-.02012	.11368	.039096	.002834	.04909	.00040
OCT	8	40137	-.02162	.11318	.038939	.002652	.04889	.00033
OCT	9	40138	-.02312	.11268	.038981	.002453	.04883	.00022
OCT	10	40139	-.02472	.11228	.039213	.002260	.04895	.00010
OCT	11	40140	-.02632	.11198	.039630	.002114	.04922	.00001
OCT	12	40141	-.02792	.11168	.040165	.002018	.04961	-.00004
OCT	13	40142	-.02962	.11148	.040750	.002006	.05006	-.00002
OCT	14	40143	-.03142	.11128	.041316	.002065	.05048	.00007
OCT	15	40144	-.03322	.11108	.041774	.002222	.05080	.00021
OCT	16	40145	-.03502	.11108	.042039	.002440	.05098	.00038
OCT	17	40146	-.03702	.11108	.042057	.002711	.05099	.00056
OCT	18	40147	-.03892	.11118	.041790	.003001	.05085	.00071
OCT	19	40148	-.04092	.11128	.041245	.003249	.05060	.00081
OCT	20	40149	-.04302	.11148	.040495	.003411	.05032	.00084
OCT	21	40150	-.04512	.11168	.039652	.003428	.05008	.00081
OCT	22	40151	-.04732	.11208	.038884	.003277	.04995	.00073
OCT	23	40152	-.04952	.11238	.038329	.003008	.04997	.00062
OCT	24	40153	-.05172	.11288	.038069	.002705	.05016	.00052
OCT	25	40154	-.05402	.11338	.038088	.002454	.05050	.00044
OCT	26	40155	-.05642	.11398	.038288	.002342	.05093	.00043
OCT	27	40156	-.05882	.11458	.038543	.002372	.05139	.00048
OCT	28	40157	-.06122	.11528	.038693	.002524	.05180	.00059
OCT	29	40158	-.06362	.11608	.038663	.002731	.05210	.00075
OCT	30	40159	-.06612	.11688	.038411	.002939	.05223	.00093

OCT	31	40160	-.06862	.11778	.037973	.003095	.05220	.00111
NOV	1	40161	-.07122	.11868	.037428	.003180	.05203	.00125
NOV	2	40162	-.07372	.11968	.036845	.003163	.05177	.00133
NOV	3	40163	-.07632	.12068	.036313	.003070	.05150	.00135
NOV	4	40164	-.07882	.12178	.035908	.002911	.05130	.00130
NOV	5	40165	-.08142	.12288	.035693	.002714	.05122	.00121
NOV	6	40166	-.08392	.12408	.035682	.002511	.05131	.00111
NOV	7	40167	-.08652	.12528	.035853	.002334	.05156	.00102
NOV	8	40168	-.08901	.12659	.036168	.002218	.05194	.00096
NOV	9	40169	-.09151	.12789	.036584	.002173	.05240	.00097
NOV	10	40170	-.09401	.12919	.036976	.002216	.05285	.00105
NOV	11	40171	-.09651	.13059	.037316	.002315	.05323	.00118
NOV	12	40172	-.09891	.13199	.037512	.002492	.05348	.00136
NOV	13	40173	-.10131	.13339	.037505	.002712	.05356	.00154
NOV	14	40174	-.10371	.13489	.037260	.002961	.05347	.00171
NOV	15	40175	-.10591	.13629	.036765	.003203	.05326	.00184
NOV	16	40176	-.10821	.13789	.036052	.003389	.05299	.00190
NOV	17	40177	-.11031	.13939	.035205	.003463	.05273	.00189
NOV	18	40178	-.11241	.14089	.034357	.003389	.05256	.00183
NOV	19	40179	-.11441	.14249	.033666	.003165	.05253	.00173
NOV	20	40180	-.11641	.14409	.033245	.002859	.05267	.00163
NOV	21	40181	-.11821	.14569	.033123	.002565	.05296	.00155
NOV	22	40182	-.12001	.14729	.033260	.002376	.05337	.00151
NOV	23	40183	-.12171	.14899	.033499	.002342	.05383	.00154
NOV	24	40184	-.12331	.15059	.033695	.002457	.05426	.00164
NOV	25	40185	-.12481	.15229	.033726	.002662	.05459	.00178
NOV	26	40186	-.12621	.15399	.033548	.002880	.05477	.00196
NOV	27	40187	-.12751	.15569	.033173	.003047	.05478	.00214
NOV	28	40188	-.12871	.15729	.032672	.003118	.05463	.00230
NOV	29	40189	-.12991	.15899	.032149	.003104	.05438	.00240
NOV	30	40190	-.13091	.16079	.031682	.002998	.05410	.00243
DEC	1	40191	-.13181	.16249	.031355	.002829	.05385	.00240
DEC	2	40192	-.13271	.16419	.031218	.002631	.05371	.00232
DEC	3	40193	-.13341	.16589	.031286	.002423	.05372	.00221
DEC	4	40194	-.13411	.16759	.031556	.002221	.05390	.00210
DEC	5	40195	-.13471	.16929	.031999	.002073	.05422	.00203
DEC	6	40196	-.13521	.17109	.032569	.001990	.05464	.00201
DEC	7	40197	-.13561	.17279	.033185	.001983	.05508	.00205
DEC	8	40198	-.13601	.17449	.033768	.002062	.05547	.00216
DEC	9	40199	-.13631	.17619	.034227	.002199	.05574	.00231
DEC	10	40200	-.13651	.17789	.034524	.002395	.05584	.00249
DEC	11	40201	-.13661	.17959	.034608	.002618	.05578	.00265
DEC	12	40202	-.13671	.18129	.034469	.002841	.05558	.00278
DEC	13	40203	-.13681	.18299	.034120	.003026	.05529	.00285
DEC	14	40204	-.13670	.18470	.033623	.003143	.05499	.00285
DEC	15	40205	-.13670	.18640	.033054	.003142	.05475	.00279
DEC	16	40206	-.13650	.18800	.032562	.003001	.05464	.00269
DEC	17	40207	-.13640	.18970	.032268	.002757	.05469	.00256
DEC	18	40208	-.13620	.19140	.032241	.002480	.05491	.00245
DEC	19	40209	-.13590	.19310	.032469	.002262	.05525	.00238
DEC	20	40210	-.13560	.19470	.032860	.002182	.05567	.00237
DEC	21	40211	-.13530	.19640	.033250	.002252	.05608	.00243
DEC	22	40212	-.13490	.19800	.033492	.002449	.05642	.00254

DEC	23	40213	-.13450	.19970	.033509	.002691	.05662	.00269
DEC	24	40214	-.13410	.20130	.033304	.002897	.05665	.00285
DEC	25	40215	-.13370	.20300	.032936	.002999	.05652	.00299
DEC	26	40216	-.13320	.20460	.032524	.002999	.05626	.00309
DEC	27	40217	-.13270	.20620	.032161	.002901	.05594	.00312
DEC	28	40218	-.13220	.20790	.031934	.002725	.05564	.00308
DEC	29	40219	-.13160	.20950	.031896	.002521	.05542	.00299
DEC	30	40220	-.13110	.21120	.032087	.002297	.05535	.00286
DEC	31	40221	-.13050	.21280	.032486	.002099	.05544	.00272