

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 ==> 1969								
JAN	1	40222	-.12990	.21440	.033065	.001940	.05569	.00261
JAN	2	40223	-.12930	.21610	.033765	.001851	.05605	.00254
JAN	3	40224	-.12870	.21770	.034529	.001837	.05646	.00253
JAN	4	40225	-.12800	.21940	.035256	.001901	.05684	.00259
JAN	5	40226	-.12740	.22100	.035883	.002036	.05712	.00270
JAN	6	40227	-.12670	.22270	.036347	.002223	.05725	.00285
JAN	7	40228	-.12600	.22430	.036608	.002437	.05721	.00299
JAN	8	40229	-.12530	.22600	.036654	.002648	.05701	.00310
JAN	9	40230	-.12460	.22760	.036505	.002832	.05671	.00315
JAN	10	40231	-.12390	.22930	.036214	.002937	.05638	.00315
JAN	11	40232	-.12320	.23100	.035855	.002944	.05608	.00307
JAN	12	40233	-.12250	.23260	.035552	.002841	.05590	.00295
JAN	13	40234	-.12180	.23430	.035395	.002640	.05587	.00279
JAN	14	40235	-.12110	.23600	.035480	.002379	.05601	.00264
JAN	15	40236	-.12040	.23770	.035811	.002151	.05629	.00252
JAN	16	40237	-.11970	.23940	.036313	.002035	.05666	.00246
JAN	17	40238	-.11900	.24120	.036878	.002062	.05706	.00245
JAN	18	40239	-.11830	.24290	.037330	.002236	.05741	.00252
JAN	19	40240	-.11760	.24460	.037557	.002509	.05763	.00262
JAN	20	40241	-.11689	.24641	.037502	.002773	.05769	.00275
JAN	21	40242	-.11619	.24821	.037218	.002967	.05759	.00286
JAN	22	40243	-.11559	.25001	.036801	.003027	.05734	.00294
JAN	23	40244	-.11489	.25181	.036387	.002973	.05702	.00296
JAN	24	40245	-.11419	.25361	.036086	.002817	.05668	.00291
JAN	25	40246	-.11359	.25541	.035950	.002619	.05641	.00280
JAN	26	40247	-.11289	.25731	.036033	.002418	.05627	.00264
JAN	27	40248	-.11229	.25911	.036300	.002233	.05629	.00247
JAN	28	40249	-.11169	.26101	.036735	.002096	.05648	.00231
JAN	29	40250	-.11109	.26291	.037278	.002008	.05680	.00218
JAN	30	40251	-.11049	.26481	.037874	.002003	.05719	.00212
JAN	31	40252	-.10989	.26671	.038436	.002068	.05757	.00213
FEB	1	40253	-.10929	.26871	.038882	.002220	.05788	.00219
FEB	2	40254	-.10869	.27061	.039155	.002433	.05805	.00229
FEB	3	40255	-.10819	.27261	.039194	.002682	.05805	.00240
FEB	4	40256	-.10759	.27461	.038971	.002933	.05790	.00249
FEB	5	40257	-.10709	.27661	.038521	.003147	.05762	.00253
FEB	6	40258	-.10659	.27861	.037903	.003277	.05728	.00251
FEB	7	40259	-.10599	.28061	.037182	.003327	.05696	.00242
FEB	8	40260	-.10549	.28261	.036475	.003260	.05673	.00228

FEB	9	40261	-.10499	.28461	.035883	.003091	.05664	.00210
FEB	10	40262	-.10449	.28671	.035501	.002860	.05672	.00191
FEB	11	40263	-.10389	.28871	.035341	.002648	.05696	.00174
FEB	12	40264	-.10339	.29071	.035370	.002503	.05731	.00163
FEB	13	40265	-.10289	.29271	.035481	.002479	.05771	.00157
FEB	14	40266	-.10239	.29471	.035542	.002603	.05808	.00159
FEB	15	40267	-.10189	.29671	.035417	.002843	.05835	.00165
FEB	16	40268	-.10129	.29871	.035021	.003128	.05847	.00174
FEB	17	40269	-.10079	.30071	.034365	.003351	.05842	.00184
FEB	18	40270	-.10019	.30261	.033546	.003465	.05823	.00190
FEB	19	40271	-.09959	.30451	.032671	.003452	.05792	.00191
FEB	20	40272	-.09909	.30641	.031862	.003329	.05759	.00186
FEB	21	40273	-.09839	.30831	.031230	.003125	.05730	.00174
FEB	22	40274	-.09779	.31011	.030802	.002899	.05711	.00156
FEB	23	40275	-.09709	.31181	.030609	.002681	.05709	.00137
FEB	24	40276	-.09639	.31361	.030608	.002500	.05723	.00118
FEB	25	40277	-.09569	.31531	.030770	.002377	.05752	.00102
FEB	26	40278	-.09488	.31692	.031011	.002336	.05791	.00091
FEB	27	40279	-.09408	.31852	.031262	.002375	.05831	.00087
FEB	28	40280	-.09328	.32012	.031424	.002495	.05866	.00089
MAR	1	40281	-.09238	.32162	.031439	.002674	.05889	.00096
MAR	2	40282	-.09138	.32302	.031239	.002913	.05896	.00105
MAR	3	40283	-.09038	.32442	.030788	.003169	.05886	.00113
MAR	4	40284	-.08938	.32582	.030098	.003402	.05863	.00118
MAR	5	40285	-.08828	.32712	.029197	.003556	.05831	.00116
MAR	6	40286	-.08718	.32842	.028192	.003615	.05799	.00108
MAR	7	40287	-.08598	.32962	.027198	.003543	.05773	.00093
MAR	8	40288	-.08468	.33072	.026322	.003374	.05761	.00074
MAR	9	40289	-.08338	.33192	.025660	.003134	.05765	.00054
MAR	10	40290	-.08208	.33292	.025234	.002894	.05785	.00035
MAR	11	40291	-.08068	.33402	.025029	.002722	.05818	.00021
MAR	12	40292	-.07918	.33502	.024932	.002677	.05859	.00012
MAR	13	40293	-.07768	.33592	.024819	.002762	.05899	.00010
MAR	14	40294	-.07618	.33682	.024557	.002969	.05931	.00014
MAR	15	40295	-.07448	.33772	.024048	.003247	.05949	.00022
MAR	16	40296	-.07288	.33852	.023256	.003521	.05951	.00031
MAR	17	40297	-.07118	.33932	.022222	.003720	.05936	.00038
MAR	18	40298	-.06938	.34012	.021038	.003796	.05910	.00040
MAR	19	40299	-.06758	.34082	.019864	.003742	.05877	.00037
MAR	20	40300	-.06578	.34152	.018790	.003573	.05847	.00026
MAR	21	40301	-.06388	.34222	.017908	.003354	.05825	.00010
MAR	22	40302	-.06188	.34282	.017265	.003113	.05818	-.00009
MAR	23	40303	-.05988	.34342	.016853	.002909	.05828	-.00029
MAR	24	40304	-.05788	.34402	.016620	.002749	.05853	-.00046
MAR	25	40305	-.05588	.34462	.016513	.002659	.05890	-.00059
MAR	26	40306	-.05378	.34522	.016455	.002650	.05931	-.00065
MAR	27	40307	-.05168	.34572	.016366	.002721	.05969	-.00064
MAR	28	40308	-.04958	.34632	.016170	.002865	.05997	-.00058
MAR	29	40309	-.04738	.34682	.015798	.003078	.06009	-.00049
MAR	30	40310	-.04518	.34732	.015194	.003313	.06005	-.00040
MAR	31	40311	-.04298	.34782	.014361	.003538	.05986	-.00033
APR	1	40312	-.04078	.34822	.013314	.003726	.05956	-.00032
APR	2	40313	-.03848	.34872	.012121	.003820	.05923	-.00038

APR	3	40314	-.03627	.34923	.010907	.003778	.05894	-.00049
APR	4	40315	-.03397	.34963	.009790	.003607	.05877	-.00066
APR	5	40316	-.03167	.35013	.008893	.003356	.05875	-.00085
APR	6	40317	-.02937	.35053	.008275	.003072	.05889	-.00103
APR	7	40318	-.02707	.35093	.007910	.002853	.05918	-.00119
APR	8	40319	-.02477	.35133	.007720	.002739	.05957	-.00128
APR	9	40320	-.02247	.35173	.007576	.002764	.05997	-.00131
APR	10	40321	-.02007	.35213	.007330	.002924	.06031	-.00127
APR	11	40322	-.01777	.35253	.006891	.003152	.06053	-.00119
APR	12	40323	-.01537	.35293	.006201	.003405	.06059	-.00108
APR	13	40324	-.01297	.35323	.005278	.003608	.06048	-.00098
APR	14	40325	-.01067	.35363	.004210	.003703	.06023	-.00093
APR	15	40326	-.00827	.35393	.003093	.003690	.05990	-.00093
APR	16	40327	-.00587	.35423	.002057	.003557	.05956	-.00099
APR	17	40328	-.00347	.35453	.001185	.003356	.05929	-.00112
APR	18	40329	-.00107	.35473	.000535	.003122	.05915	-.00128
APR	19	40330	.00133	.35503	.000118	.002897	.05917	-.00146
APR	20	40331	.00373	.35523	-.000083	.002706	.05935	-.00163
APR	21	40332	.00613	.35533	-.000125	.002581	.05966	-.00175
APR	22	40333	.00853	.35553	-.000080	.002524	.06004	-.00181
APR	23	40334	.01093	.35553	-.000020	.002548	.06041	-.00180
APR	24	40335	.01343	.35563	-.000020	.002645	.06069	-.00173
APR	25	40336	.01583	.35563	-.000149	.002802	.06084	-.00162
APR	26	40337	.01823	.35553	-.000457	.003000	.06082	-.00150
APR	27	40338	.02073	.35543	-.000963	.003202	.06063	-.00141
APR	28	40339	.02313	.35533	-.001663	.003372	.06033	-.00135
APR	29	40340	.02563	.35503	-.002505	.003476	.05996	-.00136
APR	30	40341	.02813	.35483	-.003399	.003491	.05961	-.00143
MAY	1	40342	.03053	.35443	-.004241	.003364	.05936	-.00156
MAY	2	40343	.03303	.35403	-.004905	.003117	.05924	-.00172
MAY	3	40344	.03543	.35363	-.005286	.002820	.05929	-.00189
MAY	4	40345	.03793	.35303	-.005363	.002536	.05950	-.00203
MAY	5	40346	.04033	.35243	-.005212	.002365	.05981	-.00211
MAY	6	40347	.04283	.35183	-.004962	.002350	.06017	-.00214
MAY	7	40348	.04523	.35103	-.004768	.002464	.06049	-.00209
MAY	8	40349	.04763	.35023	-.004739	.002678	.06070	-.00200
MAY	9	40350	.05003	.34943	-.004940	.002913	.06076	-.00187
MAY	10	40351	.05244	.34854	-.005359	.003103	.06065	-.00174
MAY	11	40352	.05484	.34754	-.005927	.003206	.06039	-.00164
MAY	12	40353	.05724	.34644	-.006553	.003201	.06002	-.00160
MAY	13	40354	.05964	.34544	-.007124	.003105	.05962	-.00161
MAY	14	40355	.06194	.34424	-.007546	.002930	.05927	-.00169
MAY	15	40356	.06424	.34304	-.007780	.002713	.05902	-.00182
MAY	16	40357	.06654	.34174	-.007790	.002490	.05893	-.00198
MAY	17	40358	.06884	.34054	-.007600	.002308	.05900	-.00212
MAY	18	40359	.07104	.33914	-.007244	.002184	.05921	-.00223
MAY	19	40360	.07324	.33774	-.006812	.002145	.05951	-.00229
MAY	20	40361	.07544	.33634	-.006371	.002176	.05983	-.00228
MAY	21	40362	.07764	.33484	-.005998	.002281	.06009	-.00220
MAY	22	40363	.07974	.33344	-.005763	.002446	.06022	-.00208
MAY	23	40364	.08184	.33184	-.005715	.002653	.06019	-.00194
MAY	24	40365	.08394	.33034	-.005883	.002877	.05999	-.00180
MAY	25	40366	.08604	.32874	-.006275	.003083	.05964	-.00171

MAY	26	40367	.08804	.32714	-.006865	.003256	.05922	-.00167
MAY	27	40368	.08994	.32554	-.007571	.003339	.05879	-.00170
MAY	28	40369	.09194	.32384	-.008315	.003308	.05843	-.00179
MAY	29	40370	.09384	.32224	-.008965	.003155	.05820	-.00192
MAY	30	40371	.09574	.32054	-.009412	.002899	.05812	-.00206
MAY	31	40372	.09754	.31884	-.009587	.002624	.05821	-.00219
JUN	1	40373	.09934	.31714	-.009503	.002418	.05843	-.00228
JUN	2	40374	.10114	.31544	-.009279	.002341	.05871	-.00230
JUN	3	40375	.10284	.31374	-.009048	.002421	.05898	-.00226
JUN	4	40376	.10454	.31204	-.008970	.002611	.05916	-.00215
JUN	5	40377	.10614	.31034	-.009102	.002842	.05920	-.00201
JUN	6	40378	.10784	.30864	-.009450	.003023	.05908	-.00186
JUN	7	40379	.10934	.30684	-.009935	.003108	.05879	-.00173
JUN	8	40380	.11094	.30514	-.010437	.003067	.05838	-.00165
JUN	9	40381	.11244	.30334	-.010853	.002932	.05791	-.00162
JUN	10	40382	.11384	.30164	-.011095	.002711	.05746	-.00167
JUN	11	40383	.11534	.29994	-.011092	.002459	.05710	-.00177
JUN	12	40384	.11674	.29814	-.010820	.002189	.05689	-.00190
JUN	13	40385	.11804	.29644	-.010288	.001933	.05684	-.00203
JUN	14	40386	.11934	.29464	-.009523	.001747	.05695	-.00214
JUN	15	40387	.12065	.29295	-.008614	.001620	.05716	-.00220
JUN	16	40388	.12185	.29115	-.007617	.001581	.05741	-.00220
JUN	17	40389	.12305	.28945	-.006612	.001609	.05763	-.00213
JUN	18	40390	.12415	.28765	-.005676	.001710	.05774	-.00200
JUN	19	40391	.12525	.28585	-.004866	.001854	.05770	-.00185
JUN	20	40392	.12635	.28415	-.004210	.002025	.05749	-.00170
JUN	21	40393	.12735	.28235	-.003722	.002188	.05712	-.00158
JUN	22	40394	.12835	.28065	-.003392	.002316	.05666	-.00151
JUN	23	40395	.12935	.27885	-.003143	.002383	.05616	-.00151
JUN	24	40396	.13025	.27715	-.002939	.002370	.05571	-.00157
JUN	25	40397	.13105	.27535	-.002678	.002261	.05537	-.00168
JUN	26	40398	.13195	.27365	-.002246	.002065	.05519	-.00181
JUN	27	40399	.13275	.27185	-.001599	.001818	.05517	-.00194
JUN	28	40400	.13345	.27005	-.000712	.001609	.05530	-.00203
JUN	29	40401	.13425	.26825	.000336	.001498	.05551	-.00207
JUN	30	40402	.13495	.26655	.001408	.001556	.05574	-.00204
JUL	1	40403	.13555	.26475	.002355	.001763	.05591	-.00195
JUL	2	40404	.13615	.26295	.003046	.002053	.05596	-.00181
JUL	3	40405	.13675	.26115	.003433	.002331	.05584	-.00165
JUL	4	40406	.13735	.25925	.003595	.002516	.05556	-.00151
JUL	5	40407	.13785	.25745	.003628	.002575	.05513	-.00140
JUL	6	40408	.13835	.25555	.003677	.002496	.05464	-.00136
JUL	7	40409	.13875	.25375	.003846	.002345	.05413	-.00138
JUL	8	40410	.13925	.25185	.004193	.002138	.05370	-.00146
JUL	9	40411	.13955	.24995	.004752	.001916	.05340	-.00158
JUL	10	40412	.13995	.24805	.005522	.001730	.05326	-.00171
JUL	11	40413	.14025	.24615	.006466	.001582	.05329	-.00183
JUL	12	40414	.14055	.24415	.007526	.001489	.05345	-.00191
JUL	13	40415	.14075	.24225	.008643	.001483	.05367	-.00192
JUL	14	40416	.14095	.24025	.009726	.001554	.05388	-.00187
JUL	15	40417	.14115	.23825	.010701	.001684	.05401	-.00176
JUL	16	40418	.14125	.23625	.011522	.001861	.05400	-.00162
JUL	17	40419	.14135	.23415	.012153	.002059	.05382	-.00146

JUL	18	40420	.14135	.23215	.012596	.002250	.05348	-.00133
JUL	19	40421	.14145	.23005	.012855	.002395	.05303	-.00125
JUL	20	40422	.14145	.22805	.012997	.002490	.05252	-.00122
JUL	21	40423	.14135	.22595	.013092	.002496	.05204	-.00127
JUL	22	40424	.14136	.22386	.013216	.002410	.05165	-.00136
JUL	23	40425	.14126	.22166	.013471	.002238	.05141	-.00150
JUL	24	40426	.14106	.21956	.013931	.002009	.05134	-.00163
JUL	25	40427	.14096	.21746	.014635	.001779	.05142	-.00174
JUL	26	40428	.14076	.21526	.015529	.001622	.05161	-.00180
JUL	27	40429	.14056	.21306	.016525	.001591	.05185	-.00180
JUL	28	40430	.14026	.21096	.017472	.001729	.05205	-.00173
JUL	29	40431	.13996	.20876	.018215	.001979	.05215	-.00160
JUL	30	40432	.13966	.20656	.018683	.002276	.05210	-.00145
JUL	31	40433	.13936	.20436	.018874	.002502	.05188	-.00131
AUG	1	40434	.13906	.20216	.018903	.002594	.05152	-.00119
AUG	2	40435	.13866	.19996	.018929	.002531	.05105	-.00112
AUG	3	40436	.13826	.19776	.019075	.002350	.05056	-.00113
AUG	4	40437	.13786	.19556	.019442	.002098	.05012	-.00119
AUG	5	40438	.13736	.19336	.020065	.001830	.04980	-.00131
AUG	6	40439	.13686	.19116	.020954	.001588	.04964	-.00144
AUG	7	40440	.13636	.18896	.022051	.001408	.04964	-.00158
AUG	8	40441	.13586	.18676	.023295	.001297	.04979	-.00167
AUG	9	40442	.13536	.18456	.024613	.001271	.05004	-.00171
AUG	10	40443	.13476	.18236	.025917	.001324	.05030	-.00169
AUG	11	40444	.13416	.18016	.027131	.001449	.05050	-.00160
AUG	12	40445	.13346	.17796	.028181	.001639	.05058	-.00147
AUG	13	40446	.13286	.17586	.029022	.001860	.05050	-.00131
AUG	14	40447	.13216	.17366	.029642	.002079	.05025	-.00117
AUG	15	40448	.13146	.17156	.030055	.002276	.04988	-.00107
AUG	16	40449	.13076	.16946	.030302	.002410	.04943	-.00103
AUG	17	40450	.12996	.16736	.030454	.002461	.04898	-.00106
AUG	18	40451	.12916	.16526	.030590	.002420	.04861	-.00114
AUG	19	40452	.12836	.16316	.030821	.002297	.04837	-.00127
AUG	20	40453	.12746	.16116	.031206	.002117	.04830	-.00141
AUG	21	40454	.12656	.15906	.031769	.001939	.04840	-.00153
AUG	22	40455	.12566	.15706	.032491	.001803	.04862	-.00161
AUG	23	40456	.12476	.15506	.033306	.001788	.04891	-.00163
AUG	24	40457	.12376	.15306	.034066	.001908	.04920	-.00158
AUG	25	40458	.12276	.15116	.034635	.002165	.04940	-.00147
AUG	26	40459	.12176	.14926	.034889	.002502	.04947	-.00133
AUG	27	40460	.12067	.14737	.034826	.002817	.04938	-.00117
AUG	28	40461	.11957	.14547	.034470	.003052	.04912	-.00104
AUG	29	40462	.11847	.14357	.033965	.003122	.04876	-.00096
AUG	30	40463	.11727	.14177	.033469	.003037	.04834	-.00094
AUG	31	40464	.11607	.13997	.033109	.002850	.04795	-.00098
SEP	1	40465	.11487	.13817	.032965	.002615	.04766	-.00108
SEP	2	40466	.11357	.13647	.033065	.002382	.04752	-.00121
SEP	3	40467	.11227	.13467	.033375	.002199	.04755	-.00135
SEP	4	40468	.11097	.13297	.033823	.002088	.04774	-.00146
SEP	5	40469	.10957	.13127	.034352	.002058	.04804	-.00151
SEP	6	40470	.10817	.12967	.034871	.002108	.04838	-.00150
SEP	7	40471	.10677	.12797	.035290	.002234	.04869	-.00143
SEP	8	40472	.10527	.12637	.035574	.002411	.04890	-.00130

SEP	9	40473	.10367	.12477	.035646	.002628	.04895	-.00115
SEP	10	40474	.10217	.12317	.035493	.002857	.04885	-.00100
SEP	11	40475	.10057	.12167	.035130	.003053	.04859	-.00088
SEP	12	40476	.09887	.12017	.034585	.003204	.04824	-.00081
SEP	13	40477	.09717	.11857	.033930	.003261	.04787	-.00080
SEP	14	40478	.09547	.11707	.033268	.003217	.04755	-.00086
SEP	15	40479	.09377	.11567	.032709	.003078	.04735	-.00097
SEP	16	40480	.09187	.11417	.032314	.002874	.04731	-.00110
SEP	17	40481	.09007	.11267	.032147	.002654	.04745	-.00123
SEP	18	40482	.08817	.11127	.032183	.002467	.04772	-.00131
SEP	19	40483	.08627	.10987	.032361	.002378	.04809	-.00134
SEP	20	40484	.08427	.10837	.032564	.002421	.04847	-.00130
SEP	21	40485	.08237	.10697	.032655	.002597	.04880	-.00120
SEP	22	40486	.08027	.10557	.032517	.002870	.04900	-.00106
SEP	23	40487	.07827	.10417	.032096	.003169	.04904	-.00090
SEP	24	40488	.07617	.10287	.031398	.003402	.04893	-.00074
SEP	25	40489	.07407	.10147	.030515	.003510	.04868	-.00063
SEP	26	40490	.07187	.10007	.029610	.003465	.04835	-.00058
SEP	27	40491	.06977	.09867	.028822	.003283	.04803	-.00059
SEP	28	40492	.06757	.09737	.028243	.003026	.04779	-.00066
SEP	29	40493	.06537	.09597	.027947	.002749	.04768	-.00077
SEP	30	40494	.06307	.09467	.027916	.002505	.04774	-.00090
OCT	1	40495	.06087	.09337	.028095	.002329	.04796	-.00100
OCT	2	40496	.05867	.09197	.028410	.002246	.04831	-.00106
OCT	3	40497	.05638	.09068	.028764	.002249	.04873	-.00106
OCT	4	40498	.05408	.08938	.029076	.002330	.04914	-.00099
OCT	5	40499	.05188	.08808	.029271	.002478	.04946	-.00087
OCT	6	40500	.04958	.08688	.029294	.002683	.04965	-.00071
OCT	7	40501	.04738	.08558	.029088	.002900	.04967	-.00053
OCT	8	40502	.04518	.08438	.028675	.003120	.04954	-.00039
OCT	9	40503	.04288	.08318	.028060	.003290	.04929	-.00028
OCT	10	40504	.04068	.08198	.027299	.003397	.04899	-.00024
OCT	11	40505	.03848	.08078	.026480	.003405	.04872	-.00027
OCT	12	40506	.03628	.07968	.025717	.003296	.04854	-.00035
OCT	13	40507	.03418	.07858	.025108	.003109	.04852	-.00046
OCT	14	40508	.03198	.07748	.024710	.002875	.04867	-.00057
OCT	15	40509	.02988	.07638	.024529	.002679	.04897	-.00066
OCT	16	40510	.02768	.07538	.024512	.002563	.04938	-.00069
OCT	17	40511	.02568	.07448	.024538	.002578	.04983	-.00066
OCT	18	40512	.02358	.07348	.024493	.002725	.05024	-.00056
OCT	19	40513	.02148	.07258	.024245	.002962	.05055	-.00041
OCT	20	40514	.01948	.07178	.023725	.003249	.05070	-.00024
OCT	21	40515	.01738	.07088	.022948	.003495	.05069	-.00006
OCT	22	40516	.01538	.07018	.021957	.003638	.05053	.00008
OCT	23	40517	.01338	.06938	.020897	.003650	.05028	.00017
OCT	24	40518	.01138	.06868	.019882	.003530	.05000	.00020
OCT	25	40519	.00938	.06808	.019041	.003308	.04977	.00016
OCT	26	40520	.00738	.06748	.018472	.003027	.04966	.00007
OCT	27	40521	.00538	.06688	.018185	.002753	.04971	-.00004
OCT	28	40522	.00348	.06638	.018139	.002531	.04993	-.00014
OCT	29	40523	.00148	.06588	.018288	.002377	.05029	-.00020
OCT	30	40524	-.00052	.06548	.018538	.002319	.05074	-.00021
OCT	31	40525	-.00252	.06508	.018813	.002334	.05120	-.00015

NOV	1	40526	-.00452	.06468	.019036	.002419	.05159	-.00003
NOV	2	40527	-.00662	.06438	.019137	.002566	.05186	.00014
NOV	3	40528	-.00862	.06408	.019074	.002742	.05197	.00033
NOV	4	40529	-.01072	.06388	.018833	.002910	.05191	.00050
NOV	5	40530	-.01272	.06368	.018453	.003054	.05172	.00063
NOV	6	40531	-.01482	.06348	.017933	.003164	.05146	.00070
NOV	7	40532	-.01702	.06338	.017333	.003190	.05120	.00071
NOV	8	40533	-.01911	.06329	.016767	.003124	.05101	.00066
NOV	9	40534	-.02131	.06329	.016310	.002966	.05095	.00056
NOV	10	40535	-.02351	.06319	.016049	.002741	.05106	.00046
NOV	11	40536	-.02581	.06319	.016010	.002514	.05133	.00037
NOV	12	40537	-.02801	.06329	.016177	.002368	.05173	.00033
NOV	13	40538	-.03041	.06329	.016431	.002350	.05219	.00034
NOV	14	40539	-.03271	.06339	.016619	.002485	.05264	.00043
NOV	15	40540	-.03511	.06349	.016603	.002733	.05299	.00057
NOV	16	40541	-.03751	.06369	.016318	.003018	.05321	.00075
NOV	17	40542	-.03991	.06379	.015755	.003289	.05326	.00093
NOV	18	40543	-.04241	.06399	.014960	.003464	.05315	.00109
NOV	19	40544	-.04501	.06429	.014046	.003533	.05292	.00121
NOV	20	40545	-.04751	.06449	.013124	.003471	.05264	.00126
NOV	21	40546	-.05011	.06479	.012317	.003313	.05239	.00124
NOV	22	40547	-.05271	.06509	.011709	.003087	.05223	.00117
NOV	23	40548	-.05541	.06539	.011325	.002853	.05222	.00107
NOV	24	40549	-.05811	.06579	.011162	.002652	.05238	.00096
NOV	25	40550	-.06081	.06619	.011189	.002508	.05269	.00089
NOV	26	40551	-.06361	.06659	.011299	.002445	.05311	.00086
NOV	27	40552	-.06641	.06699	.011442	.002465	.05356	.00090
NOV	28	40553	-.06921	.06749	.011525	.002559	.05398	.00100
NOV	29	40554	-.07211	.06799	.011484	.002709	.05428	.00115
NOV	30	40555	-.07501	.06859	.011276	.002891	.05443	.00133
DEC	1	40556	-.07791	.06919	.010891	.003070	.05441	.00151
DEC	2	40557	-.08081	.06989	.010333	.003231	.05424	.00165
DEC	3	40558	-.08371	.07059	.009623	.003352	.05397	.00174
DEC	4	40559	-.08671	.07139	.008841	.003398	.05368	.00176
DEC	5	40560	-.08971	.07219	.008045	.003359	.05344	.00172
DEC	6	40561	-.09271	.07299	.007336	.003223	.05331	.00163
DEC	7	40562	-.09571	.07399	.006806	.003006	.05334	.00151
DEC	8	40563	-.09871	.07499	.006516	.002754	.05354	.00141
DEC	9	40564	-.10181	.07599	.006466	.002539	.05388	.00133
DEC	10	40565	-.10481	.07709	.006591	.002424	.05430	.00132
DEC	11	40566	-.10791	.07829	.006747	.002469	.05473	.00137
DEC	12	40567	-.11091	.07959	.006796	.002652	.05510	.00149
DEC	13	40568	-.11401	.08089	.006609	.002908	.05534	.00164
DEC	14	40569	-.11701	.08229	.006176	.003151	.05541	.00181
DEC	15	40570	-.12000	.08380	.005528	.003306	.05532	.00197
DEC	16	40571	-.12310	.08530	.004787	.003332	.05509	.00208
DEC	17	40572	-.12610	.08690	.004086	.003241	.05479	.00214
DEC	18	40573	-.12910	.08860	.003519	.003052	.05449	.00213
DEC	19	40574	-.13210	.09040	.003171	.002819	.05426	.00205
DEC	20	40575	-.13500	.09230	.003074	.002567	.05417	.00194
DEC	21	40576	-.13800	.09420	.003207	.002354	.05424	.00181
DEC	22	40577	-.14090	.09620	.003526	.002199	.05447	.00170
DEC	23	40578	-.14380	.09830	.003964	.002129	.05483	.00164

DEC	24	40579	-.14660	.10050	.004431	.002130	.05524	.00163
DEC	25	40580	-.14940	.10270	.004858	.002217	.05564	.00169
DEC	26	40581	-.15220	.10500	.005159	.002363	.05595	.00181
DEC	27	40582	-.15500	.10740	.005301	.002546	.05612	.00195
DEC	28	40583	-.15770	.10980	.005243	.002749	.05612	.00211
DEC	29	40584	-.16030	.11230	.004999	.002936	.05596	.00224
DEC	30	40585	-.16290	.11480	.004584	.003075	.05568	.00232
DEC	31	40586	-.16550	.11740	.004039	.003168	.05536	.00234