

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 ==> 1963								
JAN	1	38030	-.19540	.21840	-.033643	.001478	.06267	.00166
JAN	2	38031	-.19680	.22070	-.034058	.001582	.06235	.00170
JAN	3	38032	-.19810	.22310	-.034542	.001614	.06203	.00168
JAN	4	38033	-.19940	.22540	-.035028	.001572	.06177	.00160
JAN	5	38034	-.20050	.22770	-.035411	.001453	.06164	.00148
JAN	6	38035	-.20160	.23000	-.035665	.001280	.06167	.00133
JAN	7	38036	-.20250	.23240	-.035727	.001094	.06187	.00121
JAN	8	38037	-.20330	.23470	-.035613	.000936	.06219	.00112
JAN	9	38038	-.20400	.23690	-.035369	.000837	.06258	.00110
JAN	10	38039	-.20450	.23920	-.035061	.000805	.06296	.00114
JAN	11	38040	-.20500	.24150	-.034760	.000841	.06327	.00123
JAN	12	38041	-.20530	.24380	-.034515	.000902	.06343	.00136
JAN	13	38042	-.20550	.24600	-.034319	.000966	.06342	.00151
JAN	14	38043	-.20560	.24830	-.034205	.001034	.06326	.00162
JAN	15	38044	-.20550	.25050	-.034129	.001071	.06297	.00170
JAN	16	38045	-.20540	.25270	-.034087	.001078	.06263	.00170
JAN	17	38046	-.20510	.25490	-.034024	.001052	.06230	.00164
JAN	18	38047	-.20480	.25710	-.033929	.000992	.06207	.00152
JAN	19	38048	-.20430	.25930	-.033760	.000907	.06199	.00137
JAN	20	38049	-.20370	.26140	-.033498	.000807	.06207	.00121
JAN	21	38050	-.20299	.26351	-.033134	.000705	.06231	.00108
JAN	22	38051	-.20219	.26561	-.032671	.000623	.06265	.00100
JAN	23	38052	-.20129	.26761	-.032132	.000572	.06304	.00097
JAN	24	38053	-.20039	.26961	-.031584	.000573	.06340	.00102
JAN	25	38054	-.19929	.27161	-.031061	.000652	.06365	.00111
JAN	26	38055	-.19809	.27361	-.030650	.000796	.06375	.00123
JAN	27	38056	-.19689	.27551	-.030417	.000983	.06369	.00135
JAN	28	38057	-.19559	.27731	-.030376	.001180	.06347	.00144
JAN	29	38058	-.19419	.27921	-.030512	.001330	.06315	.00147
JAN	30	38059	-.19279	.28101	-.030759	.001409	.06280	.00144
JAN	31	38060	-.19129	.28281	-.031058	.001403	.06250	.00134
FEB	1	38061	-.18969	.28451	-.031298	.001306	.06231	.00119
FEB	2	38062	-.18799	.28621	-.031412	.001166	.06228	.00101
FEB	3	38063	-.18639	.28791	-.031367	.001004	.06242	.00085
FEB	4	38064	-.18459	.28961	-.031188	.000886	.06270	.00071
FEB	5	38065	-.18289	.29121	-.030919	.000823	.06307	.00063
FEB	6	38066	-.18099	.29281	-.030597	.000806	.06346	.00061
FEB	7	38067	-.17919	.29441	-.030311	.000861	.06378	.00066
FEB	8	38068	-.17729	.29601	-.030094	.000950	.06399	.00075

FEB	9	38069	-.17539	.29761	-.029978	.001069	.06404	.00086
FEB	10	38070	-.17349	.29911	-.029972	.001176	.06392	.00095
FEB	11	38071	-.17149	.30061	-.030074	.001264	.06366	.00101
FEB	12	38072	-.16959	.30211	-.030240	.001313	.06333	.00101
FEB	13	38073	-.16759	.30361	-.030448	.001326	.06299	.00094
FEB	14	38074	-.16559	.30511	-.030640	.001303	.06272	.00081
FEB	15	38075	-.16359	.30661	-.030783	.001239	.06259	.00063
FEB	16	38076	-.16159	.30801	-.030862	.001167	.06262	.00044
FEB	17	38077	-.15949	.30951	-.030865	.001081	.06281	.00027
FEB	18	38078	-.15749	.31101	-.030786	.001004	.06313	.00014
FEB	19	38079	-.15539	.31241	-.030644	.000954	.06352	.00007
FEB	20	38080	-.15339	.31391	-.030460	.000937	.06391	.00006
FEB	21	38081	-.15129	.31531	-.030299	.001003	.06420	.00011
FEB	22	38082	-.14919	.31671	-.030231	.001143	.06436	.00020
FEB	23	38083	-.14709	.31821	-.030346	.001346	.06436	.00030
FEB	24	38084	-.14499	.31961	-.030681	.001584	.06419	.00038
FEB	25	38085	-.14289	.32101	-.031255	.001794	.06391	.00040
FEB	26	38086	-.14068	.32242	-.031992	.001912	.06357	.00037
FEB	27	38087	-.13848	.32372	-.032800	.001936	.06325	.00027
FEB	28	38088	-.13628	.32512	-.033568	.001843	.06303	.00011
MAR	1	38089	-.13408	.32652	-.034212	.001687	.06296	-.00008
MAR	2	38090	-.13178	.32782	-.034684	.001497	.06305	-.00028
MAR	3	38091	-.12948	.32912	-.034975	.001341	.06330	-.00044
MAR	4	38092	-.12718	.33042	-.035125	.001231	.06366	-.00056
MAR	5	38093	-.12478	.33182	-.035211	.001191	.06407	-.00062
MAR	6	38094	-.12238	.33302	-.035281	.001208	.06443	-.00061
MAR	7	38095	-.11998	.33432	-.035405	.001287	.06470	-.00054
MAR	8	38096	-.11748	.33562	-.035615	.001385	.06481	-.00045
MAR	9	38097	-.11498	.33682	-.035936	.001498	.06475	-.00036
MAR	10	38098	-.11248	.33812	-.036355	.001587	.06455	-.00031
MAR	11	38099	-.10988	.33932	-.036860	.001648	.06424	-.00030
MAR	12	38100	-.10728	.34052	-.037399	.001673	.06391	-.00036
MAR	13	38101	-.10458	.34172	-.037954	.001660	.06362	-.00049
MAR	14	38102	-.10188	.34282	-.038468	.001612	.06345	-.00066
MAR	15	38103	-.09918	.34402	-.038920	.001538	.06344	-.00086
MAR	16	38104	-.09648	.34512	-.039292	.001445	.06359	-.00105
MAR	17	38105	-.09368	.34622	-.039562	.001358	.06389	-.00120
MAR	18	38106	-.09078	.34732	-.039775	.001304	.06428	-.00130
MAR	19	38107	-.08798	.34832	-.039943	.001288	.06468	-.00133
MAR	20	38108	-.08508	.34932	-.040131	.001328	.06502	-.00130
MAR	21	38109	-.08208	.35022	-.040382	.001437	.06524	-.00122
MAR	22	38110	-.07908	.35122	-.040789	.001629	.06530	-.00112
MAR	23	38111	-.07608	.35202	-.041408	.001865	.06519	-.00104
MAR	24	38112	-.07308	.35292	-.042281	.002119	.06494	-.00099
MAR	25	38113	-.06998	.35372	-.043386	.002317	.06462	-.00101
MAR	26	38114	-.06688	.35442	-.044629	.002417	.06430	-.00109
MAR	27	38115	-.06378	.35512	-.045917	.002377	.06404	-.00123
MAR	28	38116	-.06058	.35572	-.047107	.002228	.06392	-.00141
MAR	29	38117	-.05748	.35632	-.048123	.002021	.06396	-.00160
MAR	30	38118	-.05418	.35692	-.048921	.001819	.06417	-.00177
MAR	31	38119	-.05098	.35732	-.049539	.001679	.06450	-.00190
APR	1	38120	-.04768	.35772	-.050045	.001606	.06490	-.00197
APR	2	38121	-.04438	.35812	-.050516	.001598	.06529	-.00198

APR	3	38122	-.04108	.35832	-.051022	.001650	.06559	-.00192
APR	4	38123	-.03767	.35863	-.051589	.001738	.06575	-.00183
APR	5	38124	-.03427	.35873	-.052242	.001829	.06575	-.00172
APR	6	38125	-.03087	.35883	-.052994	.001913	.06558	-.00164
APR	7	38126	-.02747	.35883	-.053810	.001963	.06529	-.00161
APR	8	38127	-.02397	.35873	-.054669	.001990	.06495	-.00163
APR	9	38128	-.02057	.35863	-.055526	.001968	.06464	-.00172
APR	10	38129	-.01697	.35843	-.056343	.001889	.06441	-.00187
APR	11	38130	-.01347	.35813	-.057055	.001790	.06434	-.00205
APR	12	38131	-.00987	.35783	-.057656	.001672	.06443	-.00223
APR	13	38132	-.00637	.35743	-.058148	.001564	.06467	-.00238
APR	14	38133	-.00277	.35693	-.058550	.001474	.06502	-.00248
APR	15	38134	.00093	.35643	-.058869	.001420	.06541	-.00252
APR	16	38135	.00453	.35583	-.059167	.001425	.06576	-.00249
APR	17	38136	.00823	.35523	-.059489	.001481	.06601	-.00240
APR	18	38137	.01193	.35443	-.059912	.001616	.06610	-.00229
APR	19	38138	.01563	.35373	-.060503	.001815	.06602	-.00218
APR	20	38139	.01933	.35293	-.061306	.002062	.06579	-.00210
APR	21	38140	.02303	.35203	-.062362	.002284	.06546	-.00207
APR	22	38141	.02673	.35113	-.063608	.002431	.06510	-.00211
APR	23	38142	.03053	.35013	-.064944	.002468	.06479	-.00221
APR	24	38143	.03423	.34913	-.066249	.002363	.06459	-.00235
APR	25	38144	.03803	.34813	-.067387	.002161	.06455	-.00252
APR	26	38145	.04183	.34703	-.068311	.001926	.06468	-.00268
APR	27	38146	.04553	.34593	-.069009	.001731	.06494	-.00281
APR	28	38147	.04933	.34483	-.069546	.001598	.06529	-.00288
APR	29	38148	.05313	.34363	-.069993	.001559	.06565	-.00287
APR	30	38149	.05683	.34243	-.070437	.001590	.06595	-.00281
MAY	1	38150	.06063	.34123	-.070948	.001677	.06612	-.00270
MAY	2	38151	.06433	.33993	-.071548	.001763	.06613	-.00257
MAY	3	38152	.06803	.33873	-.072235	.001847	.06597	-.00246
MAY	4	38153	.07173	.33743	-.072996	.001911	.06567	-.00238
MAY	5	38154	.07543	.33613	-.073806	.001944	.06530	-.00236
MAY	6	38155	.07913	.33483	-.074632	.001942	.06492	-.00240
MAY	7	38156	.08273	.33343	-.075427	.001892	.06461	-.00251
MAY	8	38157	.08633	.33213	-.076154	.001809	.06443	-.00265
MAY	9	38158	.08983	.33073	-.076787	.001693	.06442	-.00281
MAY	10	38159	.09344	.32934	-.077298	.001570	.06457	-.00295
MAY	11	38160	.09694	.32794	-.077690	.001458	.06484	-.00304
MAY	12	38161	.10034	.32654	-.077984	.001376	.06517	-.00307
MAY	13	38162	.10374	.32514	-.078218	.001341	.06548	-.00304
MAY	14	38163	.10714	.32374	-.078445	.001362	.06571	-.00294
MAY	15	38164	.11044	.32224	-.078704	.001426	.06580	-.00281
MAY	16	38165	.11374	.32074	-.079076	.001559	.06572	-.00267
MAY	17	38166	.11694	.31934	-.079596	.001745	.06547	-.00255
MAY	18	38167	.12014	.31784	-.080311	.001934	.06511	-.00248
MAY	19	38168	.12324	.31634	-.081201	.002085	.06469	-.00247
MAY	20	38169	.12634	.31474	-.082202	.002138	.06429	-.00252
MAY	21	38170	.12944	.31324	-.083197	.002082	.06399	-.00263
MAY	22	38171	.13244	.31174	-.084088	.001922	.06383	-.00277
MAY	23	38172	.13534	.31014	-.084768	.001692	.06384	-.00291
MAY	24	38173	.13824	.30854	-.085209	.001455	.06399	-.00302
MAY	25	38174	.14114	.30694	-.085446	.001271	.06426	-.00309

MAY	26	38175	.14394	.30534	-.085538	.001179	.06456	-.00308
MAY	27	38176	.14674	.30364	-.085591	.001178	.06482	-.00302
MAY	28	38177	.14944	.30194	-.085664	.001225	.06497	-.00289
MAY	29	38178	.15214	.30024	-.085811	.001310	.06496	-.00275
MAY	30	38179	.15484	.29854	-.086034	.001405	.06478	-.00260
MAY	31	38180	.15744	.29684	-.086354	.001472	.06446	-.00248
JUN	1	38181	.16004	.29504	-.086739	.001521	.06403	-.00242
JUN	2	38182	.16254	.29324	-.087134	.001524	.06357	-.00242
JUN	3	38183	.16504	.29144	-.087533	.001500	.06316	-.00249
JUN	4	38184	.16754	.28964	-.087882	.001443	.06287	-.00260
JUN	5	38185	.16994	.28774	-.088172	.001372	.06273	-.00274
JUN	6	38186	.17234	.28594	-.088363	.001269	.06276	-.00286
JUN	7	38187	.17474	.28404	-.088461	.001170	.06292	-.00296
JUN	8	38188	.17704	.28204	-.088461	.001086	.06317	-.00299
JUN	9	38189	.17934	.28014	-.088407	.001044	.06343	-.00296
JUN	10	38190	.18164	.27814	-.088328	.001057	.06363	-.00286
JUN	11	38191	.18384	.27614	-.088293	.001132	.06370	-.00272
JUN	12	38192	.18604	.27404	-.088361	.001253	.06360	-.00256
JUN	13	38193	.18824	.27204	-.088571	.001423	.06333	-.00241
JUN	14	38194	.19034	.26994	-.088951	.001596	.06293	-.00231
JUN	15	38195	.19234	.26784	-.089506	.001749	.06246	-.00226
JUN	16	38196	.19445	.26575	-.090178	.001841	.06198	-.00228
JUN	17	38197	.19645	.26355	-.090907	.001831	.06157	-.00236
JUN	18	38198	.19835	.26135	-.091564	.001717	.06130	-.00248
JUN	19	38199	.20025	.25915	-.092074	.001522	.06118	-.00261
JUN	20	38200	.20205	.25695	-.092346	.001281	.06123	-.00272
JUN	21	38201	.20385	.25465	-.092395	.001075	.06141	-.00279
JUN	22	38202	.20565	.25235	-.092280	.000947	.06164	-.00280
JUN	23	38203	.20725	.25005	-.092068	.000893	.06186	-.00274
JUN	24	38204	.20895	.24775	-.091839	.000919	.06199	-.00262
JUN	25	38205	.21045	.24535	-.091669	.000984	.06198	-.00247
JUN	26	38206	.21195	.24295	-.091570	.001057	.06180	-.00231
JUN	27	38207	.21335	.24055	-.091537	.001124	.06146	-.00217
JUN	28	38208	.21475	.23815	-.091547	.001150	.06101	-.00208
JUN	29	38209	.21595	.23565	-.091575	.001160	.06050	-.00206
JUN	30	38210	.21715	.23325	-.091604	.001121	.06001	-.00210
JUL	1	38211	.21835	.23075	-.091566	.001049	.05963	-.00219
JUL	2	38212	.21935	.22825	-.091442	.000940	.05939	-.00231
JUL	3	38213	.22035	.22575	-.091202	.000829	.05931	-.00244
JUL	4	38214	.22125	.22325	-.090850	.000709	.05939	-.00254
JUL	5	38215	.22205	.22075	-.090376	.000607	.05958	-.00259
JUL	6	38216	.22275	.21825	-.089816	.000531	.05980	-.00257
JUL	7	38217	.22345	.21575	-.089217	.000519	.05999	-.00249
JUL	8	38218	.22405	.21325	-.088635	.000559	.06006	-.00236
JUL	9	38219	.22455	.21075	-.088116	.000661	.05998	-.00220
JUL	10	38220	.22495	.20815	-.087712	.000795	.05974	-.00205
JUL	11	38221	.22525	.20565	-.087470	.000960	.05934	-.00192
JUL	12	38222	.22545	.20315	-.087384	.001102	.05885	-.00186
JUL	13	38223	.22565	.20065	-.087415	.001197	.05834	-.00185
JUL	14	38224	.22575	.19805	-.087501	.001211	.05787	-.00191
JUL	15	38225	.22575	.19555	-.087567	.001148	.05753	-.00202
JUL	16	38226	.22565	.19305	-.087521	.000999	.05734	-.00215
JUL	17	38227	.22545	.19045	-.087312	.000820	.05732	-.00228

JUL	18	38228	.22525	.18795	-.086932	.000656	.05744	-.00236
JUL	19	38229	.22495	.18535	-.086391	.000544	.05765	-.00239
JUL	20	38230	.22445	.18275	-.085795	.000508	.05787	-.00235
JUL	21	38231	.22395	.18015	-.085193	.000549	.05802	-.00226
JUL	22	38232	.22336	.17756	-.084671	.000643	.05805	-.00211
JUL	23	38233	.22276	.17496	-.084255	.000766	.05792	-.00195
JUL	24	38234	.22196	.17236	-.083949	.000867	.05763	-.00181
JUL	25	38235	.22116	.16966	-.083729	.000938	.05720	-.00170
JUL	26	38236	.22016	.16706	-.083571	.000979	.05670	-.00166
JUL	27	38237	.21916	.16436	-.083424	.000969	.05620	-.00168
JUL	28	38238	.21806	.16166	-.083257	.000931	.05578	-.00176
JUL	29	38239	.21686	.15886	-.083028	.000855	.05550	-.00188
JUL	30	38240	.21566	.15616	-.082722	.000773	.05538	-.00202
JUL	31	38241	.21426	.15336	-.082333	.000690	.05543	-.00213
AUG	1	38242	.21286	.15066	-.081868	.000634	.05561	-.00220
AUG	2	38243	.21126	.14786	-.081360	.000598	.05584	-.00221
AUG	3	38244	.20966	.14506	-.080839	.000630	.05607	-.00215
AUG	4	38245	.20796	.14226	-.080390	.000723	.05620	-.00204
AUG	5	38246	.20626	.13936	-.080058	.000874	.05620	-.00189
AUG	6	38247	.20436	.13656	-.079906	.001070	.05603	-.00174
AUG	7	38248	.20246	.13376	-.079965	.001299	.05571	-.00160
AUG	8	38249	.20046	.13086	-.080248	.001509	.05528	-.00152
AUG	9	38250	.19836	.12806	-.080712	.001646	.05479	-.00150
AUG	10	38251	.19626	.12516	-.081269	.001692	.05434	-.00154
AUG	11	38252	.19406	.12226	-.081815	.001635	.05399	-.00164
AUG	12	38253	.19176	.11946	-.082273	.001502	.05379	-.00177
AUG	13	38254	.18936	.11656	-.082565	.001320	.05376	-.00190
AUG	14	38255	.18696	.11366	-.082673	.001141	.05388	-.00201
AUG	15	38256	.18456	.11086	-.082612	.001007	.05411	-.00206
AUG	16	38257	.18206	.10796	-.082451	.000943	.05439	-.00205
AUG	17	38258	.17946	.10506	-.082276	.000957	.05462	-.00197
AUG	18	38259	.17686	.10216	-.082146	.001032	.05475	-.00184
AUG	19	38260	.17426	.09936	-.082110	.001139	.05473	-.00169
AUG	20	38261	.17156	.09646	-.082173	.001245	.05454	-.00153
AUG	21	38262	.16876	.09356	-.082341	.001325	.05421	-.00142
AUG	22	38263	.16606	.09076	-.082568	.001363	.05378	-.00135
AUG	23	38264	.16326	.08786	-.082802	.001347	.05334	-.00135
AUG	24	38265	.16046	.08496	-.082997	.001288	.05295	-.00142
AUG	25	38266	.15766	.08216	-.083126	.001204	.05268	-.00153
AUG	26	38267	.15476	.07926	-.083159	.001110	.05258	-.00166
AUG	27	38268	.15196	.07646	-.083094	.001012	.05264	-.00179
AUG	28	38269	.14907	.07367	-.082947	.000927	.05285	-.00188
AUG	29	38270	.14617	.07077	-.082728	.000882	.05315	-.00191
AUG	30	38271	.14327	.06797	-.082474	.000879	.05346	-.00187
AUG	31	38272	.14037	.06527	-.082254	.000932	.05370	-.00177
SEP	1	38273	.13747	.06247	-.082110	.001052	.05383	-.00163
SEP	2	38274	.13457	.05967	-.082131	.001239	.05379	-.00147
SEP	3	38275	.13167	.05697	-.082364	.001481	.05359	-.00132
SEP	4	38276	.12877	.05427	-.082845	.001726	.05326	-.00122
SEP	5	38277	.12587	.05157	-.083549	.001920	.05287	-.00117
SEP	6	38278	.12297	.04887	-.084402	.002016	.05248	-.00119
SEP	7	38279	.12007	.04627	-.085293	.002006	.05217	-.00127
SEP	8	38280	.11717	.04367	-.086132	.001898	.05200	-.00139

SEP	9	38281	.11427	.04107	-.086811	.001715	.05199	-.00152
SEP	10	38282	.11137	.03847	-.087321	.001540	.05216	-.00163
SEP	11	38283	.10847	.03597	-.087655	.001399	.05245	-.00170
SEP	12	38284	.10557	.03347	-.087893	.001321	.05280	-.00170
SEP	13	38285	.10267	.03107	-.088083	.001323	.05314	-.00163
SEP	14	38286	.09977	.02857	-.088321	.001402	.05340	-.00151
SEP	15	38287	.09687	.02627	-.088652	.001514	.05351	-.00136
SEP	16	38288	.09397	.02387	-.089103	.001637	.05346	-.00119
SEP	17	38289	.09107	.02157	-.089680	.001742	.05326	-.00105
SEP	18	38290	.08807	.01927	-.090324	.001799	.05295	-.00096
SEP	19	38291	.08517	.01707	-.091022	.001820	.05259	-.00093
SEP	20	38292	.08217	.01487	-.091719	.001795	.05226	-.00097
SEP	21	38293	.07917	.01277	-.092359	.001730	.05203	-.00106
SEP	22	38294	.07617	.01067	-.092929	.001646	.05196	-.00118
SEP	23	38295	.07317	.00857	-.093398	.001542	.05206	-.00130
SEP	24	38296	.07007	.00657	-.093775	.001445	.05232	-.00139
SEP	25	38297	.06697	.00467	-.094057	.001375	.05268	-.00143
SEP	26	38298	.06387	.00277	-.094289	.001336	.05308	-.00140
SEP	27	38299	.06067	.00097	-.094506	.001348	.05344	-.00131
SEP	28	38300	.05747	-.00083	-.094755	.001412	.05369	-.00116
SEP	29	38301	.05417	-.00253	-.095114	.001564	.05379	-.00100
SEP	30	38302	.05087	-.00423	-.095654	.001766	.05373	-.00083
OCT	1	38303	.04757	-.00583	-.096417	.002010	.05352	-.00069
OCT	2	38304	.04417	-.00743	-.097429	.002236	.05322	-.00062
OCT	3	38305	.04078	-.00882	-.098622	.002393	.05290	-.00060
OCT	4	38306	.03728	-.01022	-.099914	.002418	.05264	-.00065
OCT	5	38307	.03378	-.01162	-.101176	.002327	.05250	-.00074
OCT	6	38308	.03018	-.01292	-.102287	.002143	.05252	-.00086
OCT	7	38309	.02658	-.01412	-.103203	.001929	.05271	-.00097
OCT	8	38310	.02288	-.01522	-.103926	.001757	.05304	-.00103
OCT	9	38311	.01918	-.01622	-.104503	.001650	.05346	-.00104
OCT	10	38312	.01538	-.01722	-.105016	.001641	.05389	-.00098
OCT	11	38313	.01158	-.01812	-.105551	.001700	.05425	-.00086
OCT	12	38314	.00768	-.01902	-.106182	.001799	.05449	-.00070
OCT	13	38315	.00378	-.01972	-.106915	.001927	.05456	-.00052
OCT	14	38316	-.00012	-.02042	-.107784	.002047	.05447	-.00035
OCT	15	38317	-.00412	-.02102	-.108769	.002147	.05426	-.00023
OCT	16	38318	-.00812	-.02152	-.109824	.002204	.05397	-.00016
OCT	17	38319	-.01212	-.02202	-.110902	.002215	.05369	-.00016
OCT	18	38320	-.01622	-.02232	-.111978	.002182	.05349	-.00022
OCT	19	38321	-.02022	-.02262	-.113003	.002115	.05342	-.00032
OCT	20	38322	-.02432	-.02282	-.113951	.002029	.05353	-.00043
OCT	21	38323	-.02842	-.02292	-.114811	.001942	.05379	-.00051
OCT	22	38324	-.03262	-.02292	-.115602	.001886	.05418	-.00056
OCT	23	38325	-.03672	-.02292	-.116356	.001866	.05464	-.00053
OCT	24	38326	-.04082	-.02272	-.117103	.001887	.05507	-.00045
OCT	25	38327	-.04492	-.02252	-.117898	.001964	.05541	-.00030
OCT	26	38328	-.04902	-.02222	-.118802	.002095	.05562	-.00012
OCT	27	38329	-.05312	-.02182	-.119868	.002297	.05565	.00006
OCT	28	38330	-.05712	-.02132	-.121173	.002547	.05553	.00023
OCT	29	38331	-.06122	-.02072	-.122718	.002792	.05530	.00034
OCT	30	38332	-.06512	-.02012	-.124493	.002996	.05502	.00039
OCT	31	38333	-.06912	-.01932	-.126428	.003095	.05477	.00037

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NOV	3	38336	-.08062	-.01682	-.031924	.002652	.05480	.00011
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NOV	26	38359	-.14741	.01509	-.051429	.002355	.05754	.00158
NOV	27	38360	-.14951	.01659	-.052735	.002493	.05727	.00159
NOV	28	38361	-.15151	.01819	-.054140	.002539	.05707	.00153
NOV	29	38362	-.15351	.01969	-.055521	.002453	.05701	.00144
NOV	30	38363	-.15541	.02129	-.056771	.002265	.05711	.00133
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DEC	2	38365	-.15921	.02449	-.058606	.001837	.05776	.00121
DEC	3	38366	-.16101	.02599	-.059248	.001711	.05820	.00123
DEC	4	38367	-.16291	.02759	-.059821	.001681	.05862	.00132
DEC	5	38368	-.16471	.02919	-.060396	.001740	.05895	.00146
DEC	6	38369	-.16651	.03079	-.061055	.001820	.05913	.00164
DEC	7	38370	-.16831	.03239	-.061807	.001912	.05915	.00182
DEC	8	38371	-.17021	.03399	-.062631	.001989	.05900	.00197
DEC	9	38372	-.17201	.03569	-.063522	.002017	.05875	.00208
DEC	10	38373	-.17381	.03729	-.064409	.002011	.05844	.00212
DEC	11	38374	-.17571	.03899	-.065279	.001963	.05817	.00209
DEC	12	38375	-.17761	.04069	-.066073	.001880	.05800	.00201
DEC	13	38376	-.17951	.04239	-.066780	.001772	.05798	.00190
DEC	14	38377	-.18151	.04409	-.067363	.001653	.05812	.00179
DEC	15	38378	-.18350	.04590	-.067838	.001540	.05841	.00171
DEC	16	38379	-.18550	.04770	-.068211	.001451	.05881	.00168
DEC	17	38380	-.18760	.04950	-.068513	.001413	.05923	.00171
DEC	18	38381	-.18980	.05140	-.068804	.001419	.05961	.00181
DEC	19	38382	-.19200	.05330	-.069131	.001494	.05988	.00195
DEC	20	38383	-.19420	.05520	-.069561	.001625	.05999	.00212
DEC	21	38384	-.19650	.05710	-.070146	.001800	.05993	.00228
DEC	22	38385	-.19890	.05910	-.070919	.001998	.05972	.00241
DEC	23	38386	-.20130	.06120	-.071891	.002194	.05942	.00248

DEC	24	38387	-.20380	.06320	-.073034	.002343	.05910	.00249
DEC	25	38388	-.20630	.06540	-.074302	.002428	.05884	.00243
DEC	26	38389	-.20890	.06760	-.075608	.002406	.05870	.00232
DEC	27	38390	-.21160	.06980	-.076841	.002286	.05871	.00219
DEC	28	38391	-.21430	.07210	-.077917	.002110	.05889	.00207
DEC	29	38392	-.21700	.07440	-.078809	.001928	.05921	.00199
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DEC	31	38394	-.22260	.07930	-.080209	.001781	.06001	.00201