

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 ==> 1985							
JAN	1	46066	.04286	.02215	-.158651	.001853	.00048 .00455
JAN	2	46067	.03960	.02207	-.160469	.001768	.00029 .00460
JAN	3	46068	.03607	.02236	-.162178	.001640	.00027 .00456
JAN	4	46069	.03221	.02302	-.163747	.001497	.00050 .00445
JAN	5	46070	.02819	.02359	-.165178	.001368	.00104 .00429
JAN	6	46071	.02405	.02406	-.166503	.001289	.00170 .00399
JAN	7	46072	.01986	.02444	-.167785	.001291	.00223 .00376
JAN	8	46073	.01568	.02488	-.169120	.001397	.00255 .00368
JAN	9	46074	.01156	.02547	-.170609	.001593	.00261 .00362
JAN	10	46075	.00752	.02628	-.172323	.001843	.00230 .00366
JAN	11	46076	.00357	.02729	-.174288	.002087	.00175 .00377
JAN	12	46077	-.00034	.02834	-.176470	.002262	.00120 .00392
JAN	13	46078	-.00415	.02935	-.178772	.002318	.00064 .00410
JAN	14	46079	-.00775	.03030	-.181063	.002240	.00022 .00432
JAN	15	46080	-.01108	.03114	-.183215	.002042	.00003 .00440
JAN	16	46081	-.01415	.03203	-.185127	.001769	-.00010 .00435
JAN	17	46082	-.01703	.03308	-.186752	.001485	.00013 .00422
JAN	18	46083	-.01986	.03439	-.188117	.001252	.00051 .00412
JAN	19	46084	-.02279	.03601	-.189286	.001108	.00096 .00398
JAN	20	46085	-.02587	.03768	-.190368	.001074	.00162 .00371
JAN	21	46086	-.02915	.03931	-.191463	.001137	.00222 .00349
JAN	22	46087	-.03256	.04099	-.192659	.001265	.00269 .00332
JAN	23	46088	-.03606	.04274	-.193998	.001412	.00289 .00317
JAN	24	46089	-.03974	.04449	-.195478	.001540	.00283 .00330
JAN	25	46090	-.04356	.04621	-.197065	.001624	.00244 .00359
JAN	26	46091	-.04742	.04788	-.198707	.001652	.00198 .00382
JAN	27	46092	-.05127	.04946	-.200350	.001627	.00162 .00388
JAN	28	46093	-.05510	.05091	-.201944	.001557	.00134 .00389
JAN	29	46094	-.05878	.05217	-.203450	.001450	.00110 .00385
JAN	30	46095	-.06215	.05319	-.204834	.001307	.00103 .00381
JAN	31	46096	-.06511	.05427	-.206060	.001133	.00091 .00368
FEB	1	46097	-.06769	.05558	-.207104	.000954	.00102 .00350
FEB	2	46098	-.07002	.05717	-.207983	.000817	.00109 .00338
FEB	3	46099	-.07226	.05892	-.208766	.000779	.00134 .00323
FEB	4	46100	-.07457	.06066	-.209575	.000863	.00189 .00323
FEB	5	46101	-.07687	.06234	-.210528	.001052	.00241 .00317
FEB	6	46102	-.07892	.06386	-.211705	.001313	.00285 .00322
FEB	7	46103	-.08086	.06537	-.213155	.001593	.00314 .00314
FEB	8	46104	-.08285	.06704	-.214865	.001822	.00322 .00321

FEB	9	46105	-.08505	.06903	-.216753	.001938	.00295	.00331
FEB	10	46106	-.08751	.07135	-.218691	.001921	.00241	.00356
FEB	11	46107	-.09019	.07390	-.220551	.001790	.00198	.00374
FEB	12	46108	-.09303	.07659	-.222247	.001587	.00149	.00390
FEB	13	46109	-.09584	.07924	-.223723	.001359	.00127	.00396
FEB	14	46110	-.09856	.08175	-.224983	.001170	.00131	.00385
FEB	15	46111	-.10124	.08412	-.226093	.001074	.00134	.00359
FEB	16	46112	-.10394	.08633	-.227165	.001089	.00151	.00339
FEB	17	46113	-.10684	.08838	-.228302	.001200	.00174	.00326
FEB	18	46114	-.11008	.09030	-.229586	.001373	.00195	.00318
FEB	19	46115	-.11361	.09218	-.231056	.001567	.00211	.00312
FEB	20	46116	-.11739	.09413	-.232718	.001747	.00230	.00316
FEB	21	46117	-.12135	.09618	-.234538	.001884	.00244	.00327
FEB	22	46118	-.12539	.09830	-.236467	.001958	.00250	.00332
FEB	23	46119	-.12940	.10046	-.238434	.001960	.00233	.00320
FEB	24	46120	-.13324	.10265	-.240367	.001894	.00212	.00312
FEB	25	46121	-.13683	.10491	-.242206	.001773	.00193	.00300
FEB	26	46122	-.14015	.10730	-.243902	.001615	.00190	.00295
FEB	27	46123	-.14313	.10991	-.245432	.001444	.00204	.00282
FEB	28	46124	-.14574	.11267	-.246793	.001284	.00221	.00262
MAR	1	46125	-.14803	.11549	-.248013	.001161	.00257	.00228
MAR	2	46126	-.15064	.11833	-.249137	.001107	.00303	.00201
MAR	3	46127	-.15352	.12121	-.250256	.001155	.00342	.00170
MAR	4	46128	-.15651	.12416	-.251485	.001328	.00379	.00153
MAR	5	46129	-.15947	.12721	-.252947	.001618	.00399	.00137
MAR	6	46130	-.16227	.13035	-.254737	.001978	.00413	.00130
MAR	7	46131	-.16517	.13336	-.256891	.002328	.00393	.00139
MAR	8	46132	-.16829	.13614	-.259353	.002574	.00367	.00132
MAR	9	46133	-.17153	.13880	-.261982	.002653	.00321	.00128
MAR	10	46134	-.17475	.14151	-.264602	.002558	.00274	.00128
MAR	11	46135	-.17787	.14443	-.267059	.002336	.00240	.00115
MAR	12	46136	-.18069	.14762	-.269263	.002063	.00223	.00110
MAR	13	46137	-.18295	.15106	-.271200	.001815	.00222	.00118
MAR	14	46138	-.18467	.15475	-.272925	.001648	.00243	.00120
MAR	15	46139	-.18596	.15865	-.274532	.001585	.00299	.00138
MAR	16	46140	-.18735	.16269	-.276129	.001624	.00364	.00153
MAR	17	46141	-.18898	.16684	-.277805	.001740	.00430	.00154
MAR	18	46142	-.19079	.17105	-.279622	.001899	.00481	.00148
MAR	19	46143	-.19277	.17529	-.281604	.002062	.00515	.00132
MAR	20	46144	-.19492	.17953	-.283738	.002192	.00534	.00124
MAR	21	46145	-.19667	.18363	-.285972	.002259	.00511	.00121
MAR	22	46146	-.19787	.18757	-.288237	.002261	.00474	.00131
MAR	23	46147	-.19853	.19142	-.290472	.002201	.00441	.00135
MAR	24	46148	-.19874	.19520	-.292619	.002092	.00427	.00134
MAR	25	46149	-.19861	.19897	-.294640	.001953	.00419	.00130
MAR	26	46150	-.19831	.20276	-.296518	.001805	.00438	.00116
MAR	27	46151	-.19811	.20666	-.298253	.001665	.00461	.00104
MAR	28	46152	-.19812	.21071	-.299856	.001546	.00495	.00099
MAR	29	46153	-.19839	.21487	-.301361	.001463	.00542	.00089
MAR	30	46154	-.19889	.21909	-.302809	.001438	.00584	.00076
MAR	31	46155	-.19956	.22330	-.304270	.001497	.00625	.00058
APR	1	46156	-.20036	.22749	-.305838	.001656	.00661	.00043
APR	2	46157	-.20119	.23162	-.307610	.001905	.00669	.00026

APR	3	46158	-.20194	.23566	-.309654	.002197	.00674	.00007
APR	4	46159	-.20250	.23957	-.311981	.002450	.00659	-.00008
APR	5	46160	-.20276	.24339	-.314504	.002571	.00622	.00000
APR	6	46161	-.20276	.24720	-.317059	.002507	.00571	.00012
APR	7	46162	-.20254	.25097	-.319464	.002268	.00523	.00020
APR	8	46163	-.20215	.25473	-.321567	.001927	.00490	.00035
APR	9	46164	-.20164	.25846	-.323321	.001591	.00484	.00041
APR	10	46165	-.20107	.26216	-.324779	.001367	.00482	.00032
APR	11	46166	-.20050	.26602	-.326096	.001306	.00507	.00018
APR	12	46167	-.19996	.27004	-.327430	.001384	.00524	.00011
APR	13	46168	-.19950	.27416	-.328894	.001545	.00543	.00010
APR	14	46169	-.19910	.27821	-.330537	.001736	.00559	.00013
APR	15	46170	-.19874	.28204	-.332368	.001914	.00569	.00027
APR	16	46171	-.19828	.28554	-.334358	.002058	.00562	.00041
APR	17	46172	-.19771	.28875	-.336471	.002158	.00563	.00059
APR	18	46173	-.19708	.29187	-.338656	.002200	.00546	.00072
APR	19	46174	-.19646	.29512	-.340852	.002182	.00531	.00068
APR	20	46175	-.19588	.29860	-.343000	.002110	.00533	.00068
APR	21	46176	-.19541	.30228	-.345053	.001994	.00540	.00055
APR	22	46177	-.19512	.30601	-.346976	.001843	.00553	.00040
APR	23	46178	-.19497	.30974	-.348738	.001670	.00592	.00018
APR	24	46179	-.19492	.31346	-.350325	.001503	.00633	-.00010
APR	25	46180	-.19492	.31718	-.351760	.001382	.00680	-.00052
APR	26	46181	-.19497	.32088	-.353111	.001335	.00715	-.00077
APR	27	46182	-.19507	.32451	-.354460	.001377	.00720	-.00096
APR	28	46183	-.19518	.32803	-.355899	.001514	.00711	-.00092
APR	29	46184	-.19516	.33143	-.357518	.001741	.00675	-.00078
APR	30	46185	-.19485	.33470	-.359396	.002031	.00643	-.00056
MAY	1	46186	-.19411	.33792	-.361572	.002322	.00601	-.00029
MAY	2	46187	-.19287	.34119	-.364006	.002531	.00564	-.00009
MAY	3	46188	-.19120	.34463	-.366580	.002589	.00530	.00005
MAY	4	46189	-.18924	.34830	-.369123	.002471	.00527	-.00006
MAY	5	46190	-.18718	.35210	-.371476	.002212	.00529	-.00010
MAY	6	46191	-.18523	.35594	-.373534	.001897	.00528	-.00015
MAY	7	46192	-.18355	.35979	-.375287	.001611	.00542	-.00026
MAY	8	46193	-.18218	.36354	-.376796	.001416	.00535	-.00041
MAY	9	46194	-.18096	.36715	-.378164	.001342	.00522	-.00061
MAY	10	46195	-.17965	.37053	-.379513	.001374	.00515	-.00084
MAY	11	46196	-.17810	.37375	-.380932	.001471	.00525	-.00092
MAY	12	46197	-.17627	.37697	-.382462	.001588	.00551	-.00067
MAY	13	46198	-.17412	.38031	-.384104	.001697	.00579	-.00033
MAY	14	46199	-.17182	.38377	-.385843	.001777	.00603	-.00003
MAY	15	46200	-.16953	.38723	-.387641	.001815	.00588	.00032
MAY	16	46201	-.16736	.39047	-.389453	.001800	.00542	.00060
MAY	17	46202	-.16533	.39338	-.391222	.001727	.00481	.00062
MAY	18	46203	-.16331	.39599	-.392890	.001599	.00412	.00039
MAY	19	46204	-.16110	.39843	-.394410	.001430	.00360	-.00005
MAY	20	46205	-.15851	.40087	-.395747	.001247	.00334	-.00039
MAY	21	46206	-.15547	.40349	-.396907	.001082	.00322	-.00058
MAY	22	46207	-.15205	.40632	-.397926	.000967	.00338	-.00072
MAY	23	46208	-.14850	.40925	-.398864	.000917	.00354	-.00079
MAY	24	46209	-.14504	.41214	-.399788	.000940	.00383	-.00080
MAY	25	46210	-.14183	.41490	-.400774	.001051	.00419	-.00087

MAY	26	46211	-.13892	.41753	-.401918	.001262	.00449	-.00092
MAY	27	46212	-.13630	.42012	-.403315	.001556	.00462	-.00089
MAY	28	46213	-.13391	.42269	-.405030	.001880	.00462	-.00091
MAY	29	46214	-.13163	.42527	-.407055	.002152	.00446	-.00088
MAY	30	46215	-.12936	.42785	-.409293	.002291	.00410	-.00062
MAY	31	46216	-.12698	.43045	-.411583	.002252	.00373	-.00032
JUN	1	46217	-.12447	.43304	-.413748	.002046	.00340	-.00006
JUN	2	46218	-.12191	.43552	-.415647	.001738	.00313	.00020
JUN	3	46219	-.11939	.43786	-.417224	.001421	.00303	.00027
JUN	4	46220	-.11689	.44013	-.418516	.001183	.00314	.00010
JUN	5	46221	-.11445	.44235	-.419633	.001075	.00341	-.00012
JUN	6	46222	-.11207	.44442	-.420707	.001094	.00365	-.00047
JUN	7	46223	-.10975	.44637	-.421848	.001198	.00390	-.00066
JUN	8	46224	-.10750	.44837	-.423112	.001330	.00401	-.00092
JUN	9	46225	-.10533	.45050	-.424503	.001444	.00375	-.00078
JUN	10	46226	-.10326	.45273	-.425987	.001518	.00333	-.00056
JUN	11	46227	-.10128	.45487	-.427521	.001544	.00270	-.00039
JUN	12	46228	-.09939	.45684	-.429055	.001518	.00213	-.00019
JUN	13	46229	-.09752	.45862	-.430537	.001439	.00150	-.00005
JUN	14	46230	-.09560	.46025	-.431915	.001313	.00107	-.00016
JUN	15	46231	-.09348	.46176	-.433149	.001155	.00069	-.00041
JUN	16	46232	-.09107	.46321	-.434219	.000987	.00058	-.00055
JUN	17	46233	-.08840	.46469	-.435125	.000835	.00062	-.00076
JUN	18	46234	-.08555	.46623	-.435900	.000721	.00086	-.00082
JUN	19	46235	-.08267	.46780	-.436586	.000662	.00113	-.00071
JUN	20	46236	-.07990	.46932	-.437250	.000677	.00145	-.00053
JUN	21	46237	-.07726	.47077	-.437971	.000778	.00156	-.00051
JUN	22	46238	-.07466	.47209	-.438833	.000963	.00151	-.00067
JUN	23	46239	-.07196	.47326	-.439913	.001209	.00139	-.00093
JUN	24	46240	-.06905	.47431	-.441254	.001473	.00123	-.00083
JUN	25	46241	-.06591	.47531	-.442842	.001688	.00108	-.00058
JUN	26	46242	-.06261	.47633	-.444597	.001799	.00081	-.00030
JUN	27	46243	-.05923	.47744	-.446396	.001778	.00070	.00002
JUN	28	46244	-.05584	.47868	-.448109	.001620	.00062	.00029
JUN	29	46245	-.05251	.48001	-.449605	.001340	.00040	.00034
JUN	30	46246	-.04932	.48133	-.450779	.000987	.00035	.00041
JUL	1	46247	-.04635	.48251	.548403	.000654	.00033	.00032
JUL	2	46248	-.04364	.48354	.547876	.000421	.00039	.00028
JUL	3	46249	-.04116	.48441	.547517	.000327	.00035	.00021
JUL	4	46250	-.03874	.48517	.547188	.000363	.00014	.00010
JUL	5	46251	-.03617	.48590	.546773	.000482	-.00021	.00003
JUL	6	46252	-.03332	.48662	.546222	.000626	-.00052	-.00002
JUL	7	46253	-.03015	.48728	.545534	.000739	-.00089	-.00009
JUL	8	46254	-.02669	.48785	.544761	.000794	-.00109	-.00021
JUL	9	46255	-.02305	.48840	.543967	.000784	-.00145	-.00018
JUL	10	46256	-.01928	.48897	.543214	.000720	-.00210	-.00002
JUL	11	46257	-.01541	.48958	.542545	.000618	-.00277	.00008
JUL	12	46258	-.01145	.49025	.541991	.000495	-.00340	.00024
JUL	13	46259	-.00750	.49088	.541561	.000373	-.00387	.00030
JUL	14	46260	-.00366	.49141	.541244	.000265	-.00387	.00007
JUL	15	46261	-.00002	.49187	.541021	.000178	-.00355	-.00030
JUL	16	46262	.00346	.49229	.540871	.000123	-.00309	-.00062
JUL	17	46263	.00689	.49273	.540750	.000124	-.00254	-.00096

JUL	18	46264	.01034	.49324	.540593	.000208	-.00229	-.00106
JUL	19	46265	.01376	.49381	.540304	.000399	-.00219	-.00112
JUL	20	46266	.01706	.49443	.539774	.000679	-.00236	-.00097
JUL	21	46267	.02020	.49504	.538945	.000973	-.00268	-.00076
JUL	22	46268	.02331	.49549	.537844	.001199	-.00311	-.00059
JUL	23	46269	.02655	.49567	.536581	.001302	-.00377	-.00029
JUL	24	46270	.02989	.49568	.535286	.001269	-.00431	.00005
JUL	25	46271	.03324	.49560	.534085	.001117	-.00464	.00023
JUL	26	46272	.03655	.49553	.533082	.000874	-.00501	.00029
JUL	27	46273	.03979	.49555	.532348	.000591	-.00522	.00025
JUL	28	46274	.04302	.49569	.531889	.000342	-.00517	.00014
JUL	29	46275	.04629	.49590	.531634	.000197	-.00503	.00008
JUL	30	46276	.04959	.49608	.531454	.000192	-.00476	-.00001
JUL	31	46277	.05278	.49609	.531214	.000306	-.00444	-.00013
AUG	1	46278	.05576	.49590	.530818	.000492	-.00424	-.00021
AUG	2	46279	.05853	.49552	.530223	.000692	-.00419	-.00017
AUG	3	46280	.06131	.49501	.529441	.000859	-.00422	-.00023
AUG	4	46281	.06437	.49451	.528522	.000968	-.00458	-.00033
AUG	5	46282	.06773	.49409	.527529	.001005	-.00503	-.00028
AUG	6	46283	.07134	.49377	.526536	.000969	-.00570	-.00030
AUG	7	46284	.07506	.49353	.525611	.000869	-.00640	-.00008
AUG	8	46285	.07877	.49334	.524814	.000718	-.00698	-.00001
AUG	9	46286	.08241	.49308	.524184	.000541	-.00730	.00014
AUG	10	46287	.08594	.49260	.523732	.000366	-.00735	.00021
AUG	11	46288	.08941	.49181	.523444	.000219	-.00727	.00021
AUG	12	46289	.09287	.49068	.523278	.000131	-.00701	.00018
AUG	13	46290	.09627	.48942	.523157	.000130	-.00665	.00001
AUG	14	46291	.09957	.48819	.522988	.000226	-.00616	.00000
AUG	15	46292	.10272	.48709	.522673	.000421	-.00571	-.00006
AUG	16	46293	.10571	.48615	.522120	.000699	-.00522	-.00002
AUG	17	46294	.10861	.48530	.521262	.001020	-.00499	-.00009
AUG	18	46295	.11171	.48454	.520090	.001310	-.00509	.00000
AUG	19	46296	.11502	.48384	.518678	.001490	-.00556	.00002
AUG	20	46297	.11849	.48315	.517160	.001517	-.00611	.00008
AUG	21	46298	.12190	.48239	.515692	.001401	-.00678	.00008
AUG	22	46299	.12515	.48149	.514395	.001185	-.00740	.00004
AUG	23	46300	.12817	.48043	.513336	.000925	-.00816	-.00021
AUG	24	46301	.13104	.47932	.512534	.000676	-.00867	-.00033
AUG	25	46302	.13380	.47823	.511955	.000489	-.00885	-.00040
AUG	26	46303	.13656	.47714	.511518	.000406	-.00838	-.00032
AUG	27	46304	.13940	.47594	.511106	.000445	-.00764	-.00016
AUG	28	46305	.14235	.47451	.510599	.000596	-.00709	-.00005
AUG	29	46306	.14536	.47285	.509902	.000817	-.00659	-.00001
AUG	30	46307	.14830	.47103	.508967	.001057	-.00646	.00003
AUG	31	46308	.15110	.46912	.507802	.001262	-.00658	-.00005
SEP	1	46309	.15374	.46721	.506466	.001388	-.00691	-.00009
SEP	2	46310	.15633	.46532	.505052	.001418	-.00738	.00001
SEP	3	46311	.15896	.46343	.503654	.001357	-.00791	.00005
SEP	4	46312	.16164	.46155	.502356	.001227	-.00824	.00013
SEP	5	46313	.16439	.45976	.501211	.001065	-.00841	.00019
SEP	6	46314	.16723	.45811	.500231	.000897	-.00821	.00035
SEP	7	46315	.17009	.45659	.499411	.000746	-.00787	.00034
SEP	8	46316	.17278	.45510	.498727	.000630	-.00743	.00018

SEP	9	46317	.17521	.45355	.498132	.000572	-.00706	-.00011
SEP	10	46318	.17735	.45185	.497555	.000601	-.00684	-.00043
SEP	11	46319	.17926	.44998	.496898	.000735	-.00674	-.00061
SEP	12	46320	.18109	.44794	.496052	.000976	-.00680	-.00076
SEP	13	46321	.18292	.44585	.494924	.001298	-.00702	-.00073
SEP	14	46322	.18468	.44371	.493456	.001648	-.00728	-.00043
SEP	15	46323	.18625	.44147	.491655	.001939	-.00764	-.00018
SEP	16	46324	.18755	.43907	.489627	.002076	-.00800	.00020
SEP	17	46325	.18873	.43656	.487560	.002019	-.00830	.00021
SEP	18	46326	.19003	.43402	.485637	.001804	-.00858	.00029
SEP	19	46327	.19155	.43149	.483978	.001509	-.00870	.00024
SEP	20	46328	.19329	.42903	.482613	.001227	-.00864	.00011
SEP	21	46329	.19520	.42668	.481494	.001029	-.00846	.00011
SEP	22	46330	.19722	.42448	.480514	.000956	-.00810	-.00002
SEP	23	46331	.19928	.42242	.479543	.001007	-.00774	-.00019
SEP	24	46332	.20133	.42046	.478470	.001148	-.00746	-.00019
SEP	25	46333	.20331	.41856	.477229	.001340	-.00720	-.00016
SEP	26	46334	.20517	.41660	.475788	.001549	-.00712	-.00001
SEP	27	46335	.20685	.41447	.474142	.001741	-.00750	.00031
SEP	28	46336	.20827	.41209	.472327	.001874	-.00800	.00070
SEP	29	46337	.20941	.40938	.470418	.001925	-.00826	.00092
SEP	30	46338	.21034	.40637	.468501	.001888	-.00841	.00117
OCT	1	46339	.21117	.40314	.466664	.001778	-.00808	.00107
OCT	2	46340	.21203	.39986	.464959	.001631	-.00760	.00104
OCT	3	46341	.21297	.39666	.463407	.001474	-.00726	.00079
OCT	4	46342	.21396	.39353	.462008	.001326	-.00696	.00047
OCT	5	46343	.21501	.39043	.460743	.001211	-.00674	.00019
OCT	6	46344	.21615	.38733	.459567	.001151	-.00647	-.00012
OCT	7	46345	.21745	.38423	.458417	.001170	-.00603	-.00016
OCT	8	46346	.21891	.38123	.457199	.001294	-.00559	-.00015
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OCT	10	46348	.22176	.37580	.454117	.001844	-.00516	.00023
OCT	11	46349	.22288	.37317	.452099	.002184	-.00529	.00045
OCT	12	46350	.22369	.37027	.449760	.002469	-.00552	.00061
OCT	13	46351	.22419	.36705	.447197	.002622	-.00599	.00081
OCT	14	46352	.22449	.36366	.444573	.002590	-.00632	.00095
OCT	15	46353	.22474	.36035	.442076	.002388	-.00654	.00103
OCT	16	46354	.22506	.35726	.439839	.002093	-.00671	.00099
OCT	17	46355	.22555	.35443	.437900	.001797	-.00651	.00075
OCT	18	46356	.22618	.35180	.436224	.001569	-.00616	.00044
OCT	19	46357	.22686	.34932	.434720	.001456	-.00562	.00028
OCT	20	46358	.22752	.34683	.433268	.001469	-.00505	.00020
OCT	21	46359	.22812	.34415	.431747	.001588	-.00444	.00037
OCT	22	46360	.22861	.34117	.430073	.001768	-.00394	.00069
OCT	23	46361	.22901	.33800	.428207	.001960	-.00370	.00104
OCT	24	46362	.22933	.33484	.426161	.002121	-.00362	.00138
OCT	25	46363	.22960	.33186	.423983	.002227	-.00349	.00158
OCT	26	46364	.22984	.32907	.421730	.002272	-.00364	.00182
OCT	27	46365	.23002	.32642	.419463	.002255	-.00391	.00180
OCT	28	46366	.23010	.32386	.417242	.002173	-.00431	.00171
OCT	29	46367	.23008	.32134	.415133	.002027	-.00448	.00158
OCT	30	46368	.22997	.31877	.413197	.001832	-.00449	.00134
OCT	31	46369	.22982	.31610	.411469	.001624	-.00434	.00120

NOV	1	46370	.22966	.31333	.409940	.001444	-.00415	.00111
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NOV	4	46373	.22880	.30483	.406018	.001272	-.00395	.00091
NOV	5	46374	.22846	.30202	.404706	.001366	-.00380	.00104
NOV	6	46375	.22820	.29924	.403259	.001539	-.00372	.00119
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NOV	9	46378	.22830	.29210	.397528	.002301	-.00327	.00182
NOV	10	46379	.22858	.29012	.395145	.002443	-.00322	.00197
NOV	11	46380	.22888	.28808	.392698	.002408	-.00338	.00207
NOV	12	46381	.22902	.28580	.390381	.002190	-.00351	.00223
NOV	13	46382	.22889	.28318	.388347	.001860	-.00356	.00219
NOV	14	46383	.22848	.28027	.386656	.001536	-.00346	.00227
NOV	15	46384	.22788	.27714	.385243	.001328	-.00334	.00229
NOV	16	46385	.22729	.27388	.383951	.001297	-.00287	.00218
NOV	17	46386	.22683	.27065	.382606	.001421	-.00243	.00214
NOV	18	46387	.22654	.26760	.381081	.001635	-.00208	.00205
NOV	19	46388	.22652	.26481	.379328	.001859	-.00179	.00209
NOV	20	46389	.22680	.26230	.377372	.002034	-.00176	.00233
NOV	21	46390	.22736	.26004	.375280	.002129	-.00179	.00265
NOV	22	46391	.22797	.25788	.373135	.002141	-.00202	.00311
NOV	23	46392	.22841	.25574	.371020	.002083	-.00249	.00341
NOV	24	46393	.22857	.25359	.368989	.001979	-.00292	.00354
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DEC	2	46401	.22350	.23631	.357476	.001326	-.00013	.00260
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DEC	4	46403	.22064	.23124	.354456	.001734	.00027	.00268
DEC	5	46404	.21917	.22882	.352593	.001998	.00000	.00268
DEC	6	46405	.21789	.22651	.350471	.002230	-.00035	.00292
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DEC	8	46407	.21589	.22213	.345795	.002348	-.00171	.00351
DEC	9	46408	.21496	.21995	.343517	.002192	-.00228	.00358
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DEC	13	46412	.20978	.21096	.336819	.001249	-.00259	.00338
DEC	14	46413	.20839	.20859	.335588	.001232	-.00233	.00342
DEC	15	46414	.20723	.20625	.334319	.001327	-.00205	.00331
DEC	16	46415	.20637	.20400	.332918	.001482	-.00170	.00344
DEC	17	46416	.20574	.20200	.331358	.001633	-.00152	.00349
DEC	18	46417	.20526	.20027	.329669	.001739	-.00140	.00362
DEC	19	46418	.20472	.19860	.327904	.001783	-.00141	.00380
DEC	20	46419	.20394	.19672	.326127	.001760	-.00148	.00382
DEC	21	46420	.20288	.19444	.324405	.001670	-.00153	.00387
DEC	22	46421	.20162	.19183	.322803	.001527	-.00169	.00377
DEC	23	46422	.20031	.18908	.321361	.001355	-.00171	.00373

DEC	24	46423	.19913	.18642	.320096	.001170	-.00156	.00369
DEC	25	46424	.19801	.18391	.319015	.000992	-.00125	.00357
DEC	26	46425	.19686	.18161	.318100	.000844	-.00093	.00349
DEC	27	46426	.19550	.17950	.317306	.000754	-.00046	.00358
DEC	28	46427	.19380	.17751	.316567	.000734	-.00002	.00364
DEC	29	46428	.19174	.17557	.315809	.000790	.00032	.00375
DEC	30	46429	.18945	.17362	.314962	.000916	.00031	.00389
DEC	31	46430	.18710	.17157	.313962	.001100	.00033	.00384