

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 ==> 1972

JAN	1	41317	.03040	.01870	-.045486	.002539	.05213	-.00031
JAN	2	41318	.02690	.01790	-.048101	.002708	.05250	-.00024
JAN	3	41319	.02330	.01720	-.050908	.002897	.05275	-.00012
JAN	4	41320	.01980	.01650	-.053894	.003065	.05286	.00003
JAN	5	41321	.01630	.01590	-.057020	.003177	.05279	.00017
JAN	6	41322	.01280	.01530	-.060213	.003220	.05257	.00028
JAN	7	41323	.00930	.01480	-.063428	.003201	.05226	.00033
JAN	8	41324	.00590	.01430	-.066597	.003137	.05192	.00032
JAN	9	41325	.00240	.01390	-.069679	.003033	.05164	.00024
JAN	10	41326	-.00110	.01350	-.072646	.002898	.05147	.00011
JAN	11	41327	-.00450	.01320	-.075484	.002772	.05146	-.00005
JAN	12	41328	-.00790	.01290	-.078209	.002672	.05161	-.00019
JAN	13	41329	-.01130	.01270	-.080846	.002621	.05190	-.00030
JAN	14	41330	-.01460	.01250	-.083476	.002642	.05228	-.00036
JAN	15	41331	-.01800	.01230	-.086160	.002740	.05267	-.00034
JAN	16	41332	-.02130	.01220	-.088995	.002937	.05300	-.00027
JAN	17	41333	-.02460	.01210	-.092056	.003183	.05320	-.00016
JAN	18	41334	-.02780	.01210	-.095380	.003465	.05323	-.00003
JAN	19	41335	-.03100	.01210	-.098965	.003704	.05310	.00009
JAN	20	41336	-.03420	.01210	-.102757	.003862	.05284	.00016
JAN	21	41337	-.03729	.01221	-.106646	.003882	.05250	.00017
JAN	22	41338	-.04039	.01231	-.110478	.003773	.05216	.00011
JAN	23	41339	-.04349	.01241	-.114159	.003568	.05190	.00000
JAN	24	41340	-.04649	.01261	-.117609	.003321	.05178	-.00016
JAN	25	41341	-.04949	.01281	-.120807	.003095	.05182	-.00033
JAN	26	41342	-.05239	.01301	-.123813	.002934	.05202	-.00049
JAN	27	41343	-.05529	.01331	-.126711	.002889	.05234	-.00060
JAN	28	41344	-.05819	.01361	-.129619	.002945	.05273	-.00065
JAN	29	41345	-.06099	.01391	-.132640	.003096	.05310	-.00063
JAN	30	41346	-.06369	.01421	-.135834	.003287	.05339	-.00056
JAN	31	41347	-.06639	.01461	-.139221	.003469	.05353	-.00046
FEB	1	41348	-.06909	.01501	-.142767	.003614	.05351	-.00035
FEB	2	41349	-.07179	.01551	-.146415	.003679	.05332	-.00026
FEB	3	41350	-.07449	.01601	-.150111	.003682	.05302	-.00022
FEB	4	41351	-.07709	.01661	-.153768	.003612	.05268	-.00025
FEB	5	41352	-.07959	.01711	-.157319	.003495	.05236	-.00034
FEB	6	41353	-.08209	.01781	-.160748	.003350	.05214	-.00049
FEB	7	41354	-.08459	.01851	-.164017	.003189	.05207	-.00068
FEB	8	41355	-.08709	.01921	-.167131	.003046	.05216	-.00086

FEB	9	41356	-.08949	.02001	-.170122	.002935	.05241	-.00102
FEB	10	41357	-.09189	.02081	-.173022	.002878	.05277	-.00112
FEB	11	41358	-.09419	.02181	-.175904	.002913	.05316	-.00117
FEB	12	41359	-.09649	.02281	-.178879	.003040	.05352	-.00114
FEB	13	41360	-.09869	.02381	-.182014	.003243	.05376	-.00107
FEB	14	41361	-.10089	.02491	-.185394	.003510	.05385	-.00098
FEB	15	41362	-.10309	.02611	-.189031	.003772	.05377	-.00088
FEB	16	41363	-.10529	.02741	-.192912	.003960	.05355	-.00082
FEB	17	41364	-.10749	.02881	-.196907	.004015	.05323	-.00082
FEB	18	41365	-.10969	.03021	-.200890	.003916	.05289	-.00088
FEB	19	41366	-.11189	.03171	-.204706	.003700	.05260	-.00101
FEB	20	41367	-.11409	.03341	-.208268	.003411	.05243	-.00119
FEB	21	41368	-.11629	.03501	-.211541	.003142	.05242	-.00138
FEB	22	41369	-.11839	.03681	-.214578	.002948	.05258	-.00157
FEB	23	41370	-.12049	.03871	-.217474	.002872	.05288	-.00173
FEB	24	41371	-.12259	.04061	-.220359	.002907	.05326	-.00182
FEB	25	41372	-.12469	.04271	-.223306	.003031	.05365	-.00185
FEB	26	41373	-.12678	.04492	-.226407	.003207	.05398	-.00182
FEB	27	41374	-.12888	.04722	-.229692	.003391	.05418	-.00175
FEB	28	41375	-.13098	.04962	-.233158	.003545	.05422	-.00166
FEB	29	41376	-.13308	.05202	-.236752	.003650	.05410	-.00158
MAR	1	41377	-.13528	.05452	-.240395	.003653	.05384	-.00154
MAR	2	41378	-.13758	.05702	-.244025	.003607	.05351	-.00157
MAR	3	41379	-.13988	.05952	-.247590	.003505	.05319	-.00166
MAR	4	41380	-.14208	.06212	-.251022	.003366	.05294	-.00181
MAR	5	41381	-.14438	.06482	-.254316	.003213	.05283	-.00201
MAR	6	41382	-.14658	.06752	-.257462	.003072	.05288	-.00221
MAR	7	41383	-.14868	.07042	-.260471	.002964	.05310	-.00239
MAR	8	41384	-.15088	.07332	-.263398	.002901	.05344	-.00253
MAR	9	41385	-.15288	.07622	-.266297	.002911	.05384	-.00261
MAR	10	41386	-.15498	.07922	-.269249	.003008	.05422	-.00262
MAR	11	41387	-.15698	.08232	-.272352	.003203	.05452	-.00257
MAR	12	41388	-.15888	.08542	-.275680	.003463	.05467	-.00249
MAR	13	41389	-.16078	.08862	-.279289	.003755	.05466	-.00241
MAR	14	41390	-.16258	.09182	-.283178	.004012	.05449	-.00234
MAR	15	41391	-.16438	.09502	-.287277	.004162	.05421	-.00233
MAR	16	41392	-.16608	.09832	-.291449	.004155	.05387	-.00238
MAR	17	41393	-.16768	.10162	-.295541	.003988	.05357	-.00249
MAR	18	41394	-.16928	.10502	-.299396	.003712	.05337	-.00266
MAR	19	41395	-.17088	.10832	-.302956	.003411	.05331	-.00286
MAR	20	41396	-.17238	.11172	-.306239	.003169	.05343	-.00305
MAR	21	41397	-.17378	.11512	-.309342	.003038	.05369	-.00322
MAR	22	41398	-.17508	.11862	-.312365	.003029	.05406	-.00334
MAR	23	41399	-.17648	.12202	-.315433	.003119	.05447	-.00339
MAR	24	41400	-.17768	.12552	-.318622	.003266	.05483	-.00338
MAR	25	41401	-.17888	.12892	-.321969	.003429	.05509	-.00331
MAR	26	41402	-.18008	.13242	-.325472	.003571	.05519	-.00322
MAR	27	41403	-.18108	.13592	-.329096	.003667	.05511	-.00314
MAR	28	41404	-.18218	.13942	-.332785	.003712	.05490	-.00308
MAR	29	41405	-.18318	.14282	-.336486	.003679	.05459	-.00308
MAR	30	41406	-.18408	.14632	-.340133	.003596	.05425	-.00315
MAR	31	41407	-.18498	.14982	-.343673	.003469	.05397	-.00328
APR	1	41408	-.18578	.15322	-.347073	.003331	.05381	-.00345

APR	2	41409	-.18658	.15672	-.350325	.003186	.05381	-.00365
APR	3	41410	-.18727	.16013	-.353454	.003078	.05398	-.00383
APR	4	41411	-.18797	.16353	-.356497	.003018	.05428	-.00398
APR	5	41412	-.18857	.16703	-.359512	.003023	.05466	-.00406
APR	6	41413	-.18907	.17033	-.362568	.003102	.05506	-.00408
APR	7	41414	-.18957	.17373	-.365744	.003263	.05538	-.00404
APR	8	41415	-.19007	.17713	-.369120	.003491	.05558	-.00396
APR	9	41416	-.19047	.18043	-.372743	.003771	.05561	-.00386
APR	10	41417	-.19077	.18373	-.376653	.004055	.05548	-.00377
APR	11	41418	-.19107	.18703	-.380823	.004268	.05521	-.00372
APR	12	41419	-.19137	.19033	-.385147	.004355	.05487	-.00373
APR	13	41420	-.19157	.19353	-.389478	.004279	.05453	-.00381
APR	14	41421	-.19167	.19673	-.393657	.004050	.05428	-.00394
APR	15	41422	-.19177	.19993	-.397562	.003745	.05415	-.00411
APR	16	41423	-.19177	.20303	-.401163	.003457	.05419	-.00430
APR	17	41424	-.19177	.20613	-.404508	.003253	.05440	-.00446
APR	18	41425	-.19167	.20923	-.407714	.003180	.05472	-.00458
APR	19	41426	-.19157	.21233	-.410907	.003225	.05510	-.00463
APR	20	41427	-.19137	.21533	-.414187	.003342	.05546	-.00462
APR	21	41428	-.19117	.21833	-.417598	.003480	.05573	-.00455
APR	22	41429	-.19087	.22123	-.421139	.003598	.05585	-.00444
APR	23	41430	-.19057	.22423	-.424778	.003672	.05580	-.00433
APR	24	41431	-.19017	.22713	-.428464	.003690	.05560	-.00424
APR	25	41432	-.18977	.22993	-.432139	.003648	.05528	-.00419
APR	26	41433	-.18927	.23273	-.435752	.003559	.05491	-.00421
APR	27	41434	-.18867	.23553	-.439242	.003424	.05457	-.00430
APR	28	41435	-.18817	.23833	-.442592	.003262	.05433	-.00444
APR	29	41436	-.18747	.24103	-.445775	.003107	.05424	-.00460
APR	30	41437	-.18687	.24373	-.448812	.002973	.05431	-.00477
MAY	1	41438	-.18607	.24643	-.451735	.002883	.05453	-.00491
MAY	2	41439	-.18527	.24903	-.454587	.002852	.05486	-.00499
MAY	3	41440	-.18447	.25163	-.457461	.002900	.05521	-.00501
MAY	4	41441	-.18357	.25413	-.460411	.003020	.05552	-.00496
MAY	5	41442	-.18267	.25673	-.463524	.003218	.05572	-.00486
MAY	6	41443	-.18167	.25923	-.466864	.003459	.05576	-.00473
MAY	7	41444	-.18067	.26163	-.470458	.003730	.05562	-.00461
MAY	8	41445	-.17957	.26403	-.474326	.003974	.05534	-.00452
MAY	9	41446	-.17836	.26644	-.478389	.004134	.05497	-.00448
MAY	10	41447	-.17716	.26884	-.482549	.004162	.05457	-.00451
MAY	11	41448	-.17596	.27114	-.486654	.004036	.05423	-.00461
MAY	12	41449	-.17466	.27344	-.490584	.003811	.05400	-.00474
MAY	13	41450	-.17326	.27574	-.494274	.003553	.05393	-.00490
MAY	14	41451	-.17186	.27804	-.497708	.003332	.05402	-.00505
MAY	15	41452	-.17036	.28024	-.500977	.003228	.05426	-.00515
MAY	16	41453	-.16886	.28244	-.504200	.003247	.05456	-.00520
MAY	17	41454	-.16726	.28464	-.507495	.003344	.05488	-.00518
MAY	18	41455	-.16556	.28684	-.510902	.003481	.05512	-.00510
MAY	19	41456	-.16386	.28894	-.514441	.003602	.05523	-.00498
MAY	20	41457	-.16216	.29104	-.518089	.003683	.05518	-.00484
MAY	21	41458	-.16036	.29314	-.521777	.003693	.05496	-.00471
MAY	22	41459	-.15846	.29524	-.525454	.003642	.05460	-.00463
MAY	23	41460	-.15656	.29734	-.529043	.003527	.05418	-.00460
MAY	24	41461	-.15456	.29944	-.532502	.003377	.05375	-.00464

MAY	25	41462	-.15256	.30154	-.535786	.003198	.05341	-.00474
MAY	26	41463	-.15046	.30354	-.538885	.003002	.05319	-.00488
MAY	27	41464	-.14836	.30564	-.541804	.002831	.05314	-.00502
MAY	28	41465	-.14616	.30764	-.544571	.002700	.05325	-.00515
MAY	29	41466	-.14396	.30964	-.547223	.002626	.05348	-.00523
MAY	30	41467	-.14176	.31174	-.549835	.002621	.05377	-.00525
MAY	31	41468	-.13936	.31374	-.552488	.002686	.05403	-.00519
JUN	1	41469	-.13706	.31574	-.555230	.002815	.05420	-.00509
JUN	2	41470	-.13466	.31774	-.558135	.003001	.05422	-.00495
JUN	3	41471	-.13226	.31984	-.561238	.003196	.05407	-.00480
JUN	4	41472	-.12976	.32184	-.564530	.003382	.05376	-.00467
JUN	5	41473	-.12736	.32384	-.567981	.003497	.05334	-.00460
JUN	6	41474	-.12476	.32584	-.571499	.003521	.05287	-.00459
JUN	7	41475	-.12226	.32784	-.574981	.003424	.05243	-.00464
JUN	8	41476	-.11966	.32984	-.578309	.003217	.05209	-.00475
JUN	9	41477	-.11706	.33184	-.581385	.002951	.05190	-.00488
JUN	10	41478	-.11436	.33374	-.584207	.002691	.05187	-.00502
JUN	11	41479	-.11176	.33574	-.586807	.002528	.05199	-.00513
JUN	12	41480	-.10906	.33774	-.589316	.002492	.05221	-.00518
JUN	13	41481	-.10636	.33974	-.591841	.002575	.05247	-.00516
JUN	14	41482	-.10356	.34164	-.594489	.002727	.05267	-.00509
JUN	15	41483	-.10075	.34365	-.597297	.002884	.05276	-.00496
JUN	16	41484	-.09805	.34555	-.600242	.002985	.05270	-.00481
JUN	17	41485	-.09525	.34745	-.603243	.003025	.05246	-.00466
JUN	18	41486	-.09235	.34935	-.606256	.002982	.05208	-.00454
JUN	19	41487	-.08955	.35135	-.609195	.002888	.05160	-.00449
JUN	20	41488	-.08665	.35315	-.612017	.002748	.05111	-.00449
JUN	21	41489	-.08375	.35505	-.614692	.002579	.05066	-.00456
JUN	22	41490	-.08085	.35695	-.617181	.002398	.05034	-.00468
JUN	23	41491	-.07795	.35875	-.619493	.002239	.05018	-.00481
JUN	24	41492	-.07505	.36065	-.621660	.002114	.05018	-.00494
JUN	25	41493	-.07205	.36245	-.623728	.002044	.05032	-.00503
JUN	26	41494	-.06915	.36425	-.625760	.002042	.05054	-.00505
JUN	27	41495	-.06615	.36605	-.627838	.002125	.05076	-.00502
JUN	28	41496	-.06315	.36775	-.630034	.002276	.05091	-.00492
JUN	29	41497	-.06015	.36955	-.632407	.002477	.05093	-.00478
JUN	30	41498	-.05715	.37125	-.634994	.002707	.05079	-.00462
JUL	1	41499	-.05405	.37295	-.6362196	.002908	.05048	-.00448
JUL	2	41500	-.05105	.37455	-.6359201	.003058	.05004	-.00438
JUL	3	41501	-.04795	.37625	-.6356110	.003105	.04953	-.00434
JUL	4	41502	-.04495	.37785	-.6353027	.003045	.04903	-.00437
JUL	5	41503	-.04185	.37945	-.6350044	.002887	.04860	-.00446
JUL	6	41504	-.03875	.38095	-.6347264	.002667	.04832	-.00458
JUL	7	41505	-.03565	.38245	-.6344711	.002435	.04820	-.00472
JUL	8	41506	-.03255	.38395	-.6342375	.002262	.04824	-.00484
JUL	9	41507	-.02945	.38535	-.6340159	.002188	.04840	-.00490
JUL	10	41508	-.02635	.38675	-.6337959	.002223	.04862	-.00491
JUL	11	41509	-.02325	.38815	-.6335672	.002331	.04882	-.00485
JUL	12	41510	-.02015	.38945	-.6333284	.002475	.04892	-.00474
JUL	13	41511	-.01695	.39065	-.6330740	.002614	.04888	-.00459
JUL	14	41512	-.01385	.39195	-.6328082	.002704	.04867	-.00443
JUL	15	41513	-.01075	.39305	-.6325373	.002700	.04831	-.00431
JUL	16	41514	-.00765	.39425	-.6322697	.002650	.04784	-.00423

JUL	17	41515	-.00455	.39535	.320101	.002534	.04732	-.00421
JUL	18	41516	-.00145	.39635	.317641	.002393	.04684	-.00427
JUL	19	41517	.00165	.39735	.315320	.002237	.04646	-.00437
JUL	20	41518	.00465	.39835	.313163	.002088	.04623	-.00451
JUL	21	41519	.00776	.39926	.311144	.001978	.04617	-.00464
JUL	22	41520	.01076	.40006	.309201	.001918	.04626	-.00474
JUL	23	41521	.01376	.40086	.307286	.001924	.04646	-.00479
JUL	24	41522	.01676	.40166	.305327	.002016	.04668	-.00478
JUL	25	41523	.01976	.40236	.303238	.002173	.04686	-.00470
JUL	26	41524	.02266	.40296	.300949	.002402	.04693	-.00457
JUL	27	41525	.02556	.40356	.298414	.002663	.04685	-.00442
JUL	28	41526	.02846	.40416	.295618	.002923	.04660	-.00428
JUL	29	41527	.03126	.40466	.292598	.003114	.04620	-.00417
JUL	30	41528	.03406	.40506	.289423	.003206	.04572	-.00411
JUL	31	41529	.03676	.40546	.286215	.003191	.04522	-.00412
AUG	1	41530	.03946	.40586	.283086	.003054	.04478	-.00420
AUG	2	41531	.04216	.40616	.280129	.002853	.04446	-.00431
AUG	3	41532	.04476	.40646	.277381	.002646	.04431	-.00445
AUG	4	41533	.04736	.40666	.274830	.002479	.04433	-.00458
AUG	5	41534	.04986	.40676	.272391	.002396	.04448	-.00467
AUG	6	41535	.05236	.40686	.270000	.002406	.04472	-.00470
AUG	7	41536	.05476	.40696	.267537	.002524	.04496	-.00467
AUG	8	41537	.05716	.40696	.264941	.002691	.04513	-.00457
AUG	9	41538	.05946	.40686	.262164	.002850	.04518	-.00444
AUG	10	41539	.06176	.40676	.259248	.002960	.04506	-.00428
AUG	11	41540	.06396	.40656	.256281	.002980	.04479	-.00415
AUG	12	41541	.06616	.40636	.253317	.002923	.04438	-.00405
AUG	13	41542	.06826	.40606	.250459	.002795	.04391	-.00402
AUG	14	41543	.07026	.40576	.247734	.002629	.04346	-.00406
AUG	15	41544	.07236	.40536	.245208	.002430	.04308	-.00415
AUG	16	41545	.07426	.40486	.242873	.002233	.04285	-.00428
AUG	17	41546	.07616	.40436	.240726	.002079	.04279	-.00442
AUG	18	41547	.07806	.40376	.238711	.001959	.04289	-.00454
AUG	19	41548	.07986	.40316	.236786	.001911	.04311	-.00461
AUG	20	41549	.08166	.40236	.234864	.001946	.04340	-.00462
AUG	21	41550	.08336	.40166	.232869	.002057	.04366	-.00456
AUG	22	41551	.08506	.40076	.230727	.002249	.04383	-.00445
AUG	23	41552	.08666	.39986	.228365	.002491	.04386	-.00430
AUG	24	41553	.08826	.39886	.225752	.002745	.04373	-.00415
AUG	25	41554	.08986	.39776	.222889	.002969	.04344	-.00403
AUG	26	41555	.09136	.39666	.219855	.003100	.04305	-.00395
AUG	27	41556	.09287	.39547	.216732	.003112	.04261	-.00394
AUG	28	41557	.09427	.39427	.213663	.002998	.04222	-.00400
AUG	29	41558	.09567	.39297	.210765	.002798	.04193	-.00410
AUG	30	41559	.09707	.39157	.208074	.002577	.04179	-.00424
AUG	31	41560	.09847	.39017	.205596	.002400	.04183	-.00437
SEP	1	41561	.09977	.38867	.203242	.002317	.04202	-.00448
SEP	2	41562	.10107	.38707	.200915	.002345	.04232	-.00452
SEP	3	41563	.10227	.38547	.198518	.002473	.04264	-.00451
SEP	4	41564	.10357	.38377	.195947	.002668	.04292	-.00443
SEP	5	41565	.10477	.38207	.193176	.002882	.04310	-.00430
SEP	6	41566	.10597	.38037	.190191	.003069	.04312	-.00414
SEP	7	41567	.10717	.37857	.187059	.003183	.04297	-.00399

SEP	8	41568	.10827	.37667	.183854	.003224	.04268	-.00388
SEP	9	41569	.10947	.37477	.180638	.003187	.04231	-.00382
SEP	10	41570	.11057	.37287	.177501	.003078	.04193	-.00383
SEP	11	41571	.11167	.37097	.174493	.002935	.04160	-.00390
SEP	12	41572	.11277	.36897	.171634	.002794	.04141	-.00401
SEP	13	41573	.11387	.36687	.168900	.002669	.04138	-.00415
SEP	14	41574	.11497	.36487	.166282	.002574	.04151	-.00427
SEP	15	41575	.11607	.36277	.163723	.002544	.04179	-.00435
SEP	16	41576	.11717	.36067	.161172	.002580	.04215	-.00437
SEP	17	41577	.11827	.35847	.158538	.002690	.04251	-.00433
SEP	18	41578	.11937	.35637	.155777	.002862	.04281	-.00422
SEP	19	41579	.12047	.35417	.152794	.003104	.04298	-.00407
SEP	20	41580	.12157	.35197	.149558	.003370	.04298	-.00391
SEP	21	41581	.12267	.34967	.146047	.003637	.04283	-.00376
SEP	22	41582	.12377	.34747	.142306	.003829	.04255	-.00366
SEP	23	41583	.12487	.34517	.138429	.003904	.04220	-.00362
SEP	24	41584	.12597	.34287	.134536	.003847	.04187	-.00364
SEP	25	41585	.12717	.34057	.130785	.003661	.04163	-.00372
SEP	26	41586	.12827	.33827	.127245	.003415	.04153	-.00384
SEP	27	41587	.12947	.33597	.123958	.003179	.04159	-.00396
SEP	28	41588	.13057	.33357	.120857	.003041	.04182	-.00407
SEP	29	41589	.13177	.33127	.117835	.003012	.04218	-.00412
SEP	30	41590	.13297	.32887	.114785	.003093	.04258	-.00411
OCT	1	41591	.13407	.32647	.111613	.003248	.04297	-.00404
OCT	2	41592	.13528	.32408	.108281	.003428	.04327	-.00391
OCT	3	41593	.13648	.32168	.104774	.003580	.04342	-.00374
OCT	4	41594	.13768	.31928	.101127	.003683	.04340	-.00358
OCT	5	41595	.13888	.31678	.097422	.003716	.04324	-.00343
OCT	6	41596	.14008	.31438	.093720	.003666	.04296	-.00334
OCT	7	41597	.14128	.31188	.090102	.003561	.04265	-.00331
OCT	8	41598	.14248	.30938	.086624	.003402	.04237	-.00335
OCT	9	41599	.14358	.30688	.083304	.003225	.04221	-.00344
OCT	10	41600	.14478	.30438	.080161	.003055	.04219	-.00355
OCT	11	41601	.14598	.30188	.077183	.002918	.04235	-.00366
OCT	12	41602	.14708	.29938	.074319	.002830	.04266	-.00375
OCT	13	41603	.14818	.29688	.071502	.002805	.04307	-.00377
OCT	14	41604	.14928	.29438	.068685	.002848	.04350	-.00373
OCT	15	41605	.15028	.29188	.065794	.002947	.04389	-.00363
OCT	16	41606	.15138	.28938	.062761	.003116	.04417	-.00348
OCT	17	41607	.15238	.28678	.059547	.003329	.04429	-.00330
OCT	18	41608	.15328	.28428	.056099	.003556	.04425	-.00313
OCT	19	41609	.15428	.28178	.052444	.003753	.04406	-.00299
OCT	20	41610	.15508	.27928	.048622	.003865	.04379	-.00291
OCT	21	41611	.15598	.27678	.044756	.003852	.04351	-.00290
OCT	22	41612	.15678	.27428	.040963	.003704	.04328	-.00295
OCT	23	41613	.15748	.27178	.037382	.003447	.04318	-.00304
OCT	24	41614	.15818	.26928	.034068	.003176	.04325	-.00315
OCT	25	41615	.15878	.26678	.031011	.002964	.04348	-.00325
OCT	26	41616	.15938	.26438	.028111	.002857	.04384	-.00331
OCT	27	41617	.15988	.26188	.025254	.002885	.04429	-.00331
OCT	28	41618	.16038	.25948	.022319	.002995	.04473	-.00324
OCT	29	41619	.16078	.25708	.019241	.003151	.04510	-.00311
OCT	30	41620	.16118	.25468	.016033	.003281	.04535	-.00294

OCT	31	41621	.16148	.25238	.012697	.003370	.04542	-.00276
NOV	1	41622	.16168	.25008	.009315	.003394	.04534	-.00259
NOV	2	41623	.16188	.24778	.005932	.003361	.04513	-.00246
NOV	3	41624	.16208	.24548	.002612	.003261	.04485	-.00240
NOV	4	41625	.16218	.24328	-.000585	.003126	.04459	-.00240
NOV	5	41626	.16218	.24108	-.003631	.002966	.04440	-.00247
NOV	6	41627	.16218	.23888	-.006517	.002816	.04436	-.00256
NOV	7	41628	.16208	.23668	-.009273	.002691	.04449	-.00267
NOV	8	41629	.16199	.23459	-.011925	.002621	.04478	-.00275
NOV	9	41630	.16189	.23249	-.014525	.002610	.04518	-.00279
NOV	10	41631	.16169	.23049	-.017155	.002653	.04564	-.00276
NOV	11	41632	.16149	.22849	-.019862	.002769	.04607	-.00267
NOV	12	41633	.16119	.22649	-.022722	.002939	.04640	-.00252
NOV	13	41634	.16089	.22449	-.025764	.003152	.04659	-.00234
NOV	14	41635	.16049	.22259	-.029032	.003394	.04661	-.00215
NOV	15	41636	.16019	.22059	-.032539	.003617	.04648	-.00200
NOV	16	41637	.15979	.21869	-.036248	.003788	.04623	-.00189
NOV	17	41638	.15939	.21689	-.040084	.003865	.04595	-.00185
NOV	18	41639	.15889	.21499	-.043939	.003823	.04570	-.00188
NOV	19	41640	.15839	.21309	-.047694	.003670	.04556	-.00195
NOV	20	41641	.15789	.21129	-.051258	.003456	.04556	-.00206
NOV	21	41642	.15739	.20939	-.054610	.003256	.04574	-.00216
NOV	22	41643	.15689	.20759	-.057801	.003146	.04607	-.00223
NOV	23	41644	.15639	.20569	-.060944	.003163	.04649	-.00225
NOV	24	41645	.15579	.20389	-.064165	.003293	.04694	-.00220
NOV	25	41646	.15519	.20199	-.067541	.003475	.04733	-.00209
NOV	26	41647	.15459	.20019	-.071113	.003652	.04761	-.00193
NOV	27	41648	.15399	.19829	-.074838	.003775	.04773	-.00174
NOV	28	41649	.15339	.19639	-.078636	.003812	.04769	-.00157
NOV	29	41650	.15279	.19449	-.082426	.003767	.04749	-.00143
NOV	30	41651	.15219	.19259	-.086150	.003663	.04722	-.00135
DEC	1	41652	.15149	.19069	-.089738	.003508	.04692	-.00134
DEC	2	41653	.15089	.18879	-.093168	.003341	.04669	-.00139
DEC	3	41654	.15019	.18679	-.096419	.003150	.04658	-.00148
DEC	4	41655	.14949	.18489	-.099476	.002979	.04663	-.00159
DEC	5	41656	.14889	.18289	-.102389	.002857	.04685	-.00170
DEC	6	41657	.14819	.18089	-.105209	.002792	.04720	-.00176
DEC	7	41658	.14749	.17879	-.107984	.002781	.04762	-.00176
DEC	8	41659	.14679	.17679	-.110792	.002832	.04805	-.00170
DEC	9	41660	.14609	.17469	-.113678	.002938	.04839	-.00157
DEC	10	41661	.14529	.17259	-.116690	.003102	.04861	-.00141
DEC	11	41662	.14459	.17049	-.119877	.003273	.04865	-.00124
DEC	12	41663	.14389	.16839	-.123234	.003446	.04853	-.00108
DEC	13	41664	.14309	.16629	-.126746	.003580	.04829	-.00097
DEC	14	41665	.14230	.16410	-.130371	.003644	.04798	-.00093
DEC	15	41666	.14160	.16200	-.134013	.003624	.04768	-.00094
DEC	16	41667	.14080	.15980	-.137573	.003495	.04747	-.00102
DEC	17	41668	.13990	.15760	-.140977	.003303	.04739	-.00114
DEC	18	41669	.13910	.15540	-.144185	.003106	.04749	-.00126
DEC	19	41670	.13820	.15320	-.147207	.002963	.04773	-.00136
DEC	20	41671	.13740	.15100	-.150136	.002918	.04810	-.00142
DEC	21	41672	.13640	.14880	-.153095	.003008	.04851	-.00141
DEC	22	41673	.13550	.14660	-.156193	.003187	.04890	-.00134

DEC	23	41674	.13460	.14430	-.159478	.003392	.04919	-.00121
DEC	24	41675	.13360	.14210	-.162963	.003556	.04933	-.00106
DEC	25	41676	.13260	.13990	-.166551	.003626	.04930	-.00090
DEC	26	41677	.13160	.13780	-.170184	.003615	.04912	-.00077
DEC	27	41678	.13050	.13560	-.173756	.003519	.04883	-.00070
DEC	28	41679	.12940	.13340	-.177198	.003376	.04850	-.00069
DEC	29	41680	.12830	.13130	-.180491	.003210	.04820	-.00074
DEC	30	41681	.12720	.12920	-.183616	.003041	.04801	-.00085
DEC	31	41682	.12600	.12710	-.186569	.002889	.04798	-.00099