

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 ==> 1980							
JAN	1	44239	.14170	.25610	.645041	.002215	.01221 - .00058
JAN	2	44240	.14130	.25450	.642847	.002171	.01260 - .00060
JAN	3	44241	.14080	.25280	.640684	.002174	.01299 - .00055
JAN	4	44242	.14020	.25120	.638488	.002213	.01329 - .00045
JAN	5	44243	.13950	.24950	.636249	.002277	.01345 - .00030
JAN	6	44244	.13870	.24780	.633939	.002354	.01345 - .00015
JAN	7	44245	.13770	.24610	.631532	.002441	.01328 - .00002
JAN	8	44246	.13670	.24440	.629051	.002517	.01299 .00006
JAN	9	44247	.13560	.24260	.626503	.002574	.01265 .00007
JAN	10	44248	.13450	.24080	.623911	.002606	.01233 .00002
JAN	11	44249	.13330	.23900	.621309	.002604	.01210 - .00009
JAN	12	44250	.13200	.23710	.618700	.002591	.01201 - .00023
JAN	13	44251	.13070	.23510	.616121	.002565	.01210 - .00038
JAN	14	44252	.12930	.23310	.613582	.002523	.01233 - .00050
JAN	15	44253	.12790	.23110	.611072	.002501	.01268 - .00058
JAN	16	44254	.12640	.22910	.608569	.002499	.01307 - .00059
JAN	17	44255	.12490	.22710	.606056	.002539	.01342 - .00054
JAN	18	44256	.12340	.22500	.603480	.002620	.01368 - .00043
JAN	19	44257	.12180	.22290	.600798	.002757	.01377 - .00030
JAN	20	44258	.12020	.22090	.597973	.002895	.01370 - .00018
JAN	21	44259	.11861	.21891	.595020	.003001	.01348 - .00008
JAN	22	44260	.11691	.21701	.591993	.003039	.01316 - .00004
JAN	23	44261	.11521	.21511	.588969	.003005	.01281 - .00006
JAN	24	44262	.11351	.21331	.586006	.002888	.01251 - .00015
JAN	25	44263	.11181	.21161	.583198	.002722	.01232 - .00029
JAN	26	44264	.11001	.21001	.580567	.002529	.01228 - .00046
JAN	27	44265	.10831	.20861	.578125	.002359	.01241 - .00062
JAN	28	44266	.10651	.20731	.575848	.002214	.01269 - .00074
JAN	29	44267	.10471	.20611	.573682	.002117	.01306 - .00082
JAN	30	44268	.10291	.20501	.571595	.002070	.01344 - .00082
JAN	31	44269	.10121	.20391	.569526	.002064	.01376 - .00077
FEB	1	44270	.09941	.20281	.567458	.002085	.01396 - .00067
FEB	2	44271	.09771	.20181	.565360	.002111	.01400 - .00056
FEB	3	44272	.09601	.20091	.563196	.002170	.01388 - .00045
FEB	4	44273	.09431	.20011	.560984	.002239	.01362 - .00039
FEB	5	44274	.09261	.19931	.558723	.002291	.01328 - .00038
FEB	6	44275	.09091	.19851	.556452	.002287	.01293 - .00045
FEB	7	44276	.08921	.19771	.554198	.002227	.01266 - .00057
FEB	8	44277	.08761	.19691	.551995	.002164	.01252 - .00074

FEB	9	44278	.08601	.19601	.549883	.002086	.01254	-.00092
FEB	10	44279	.08441	.19521	.547824	.002035	.01273	-.00109
FEB	11	44280	.08291	.19431	.545823	.002001	.01305	-.00122
FEB	12	44281	.08151	.19341	.543825	.002011	.01343	-.00128
FEB	13	44282	.08001	.19251	.541795	.002086	.01380	-.00128
FEB	14	44283	.07861	.19161	.539632	.002241	.01410	-.00122
FEB	15	44284	.07731	.19061	.537292	.002447	.01425	-.00113
FEB	16	44285	.07581	.18971	.534725	.002699	.01424	-.00103
FEB	17	44286	.07451	.18881	.531907	.002932	.01406	-.00095
FEB	18	44287	.07311	.18801	.528872	.003104	.01377	-.00091
FEB	19	44288	.07181	.18711	.525721	.003181	.01343	-.00094
FEB	20	44289	.07051	.18631	.522551	.003151	.01310	-.00104
FEB	21	44290	.06921	.18561	.519443	.003057	.01288	-.00120
FEB	22	44291	.06791	.18481	.516449	.002911	.01280	-.00138
FEB	23	44292	.06671	.18401	.513610	.002741	.01288	-.00157
FEB	24	44293	.06551	.18331	.510942	.002589	.01313	-.00174
FEB	25	44294	.06431	.18261	.508423	.002458	.01348	-.00186
FEB	26	44295	.06322	.18202	.506008	.002371	.01387	-.00191
FEB	27	44296	.06202	.18142	.503666	.002322	.01423	-.00189
FEB	28	44297	.06092	.18092	.501353	.002307	.01449	-.00183
FEB	29	44298	.05982	.18042	.499046	.002312	.01459	-.00174
MAR	1	44299	.05882	.18002	.496730	.002322	.01453	-.00165
MAR	2	44300	.05772	.17972	.494395	.002335	.01432	-.00159
MAR	3	44301	.05672	.17942	.492053	.002342	.01401	-.00158
MAR	4	44302	.05562	.17922	.489727	.002325	.01367	-.00164
MAR	5	44303	.05452	.17902	.487421	.002280	.01338	-.00177
MAR	6	44304	.05352	.17892	.485166	.002237	.01320	-.00194
MAR	7	44305	.05242	.17882	.482964	.002185	.01318	-.00213
MAR	8	44306	.05122	.17882	.480800	.002134	.01333	-.00232
MAR	9	44307	.05002	.17882	.478692	.002090	.01362	-.00248
MAR	10	44308	.04872	.17882	.476613	.002077	.01401	-.00258
MAR	11	44309	.04742	.17892	.474526	.002101	.01440	-.00261
MAR	12	44310	.04602	.17902	.472389	.002181	.01474	-.00258
MAR	13	44311	.04452	.17912	.470143	.002334	.01495	-.00250
MAR	14	44312	.04302	.17922	.467703	.002544	.01501	-.00241
MAR	15	44313	.04132	.17932	.465047	.002776	.01489	-.00233
MAR	16	44314	.03962	.17952	.462171	.002979	.01465	-.00228
MAR	17	44315	.03782	.17982	.459108	.003120	.01432	-.00230
MAR	18	44316	.03602	.18012	.455965	.003143	.01399	-.00238
MAR	19	44317	.03422	.18042	.452855	.003062	.01374	-.00252
MAR	20	44318	.03232	.18072	.449873	.002905	.01361	-.00271
MAR	21	44319	.03042	.18112	.447051	.002742	.01366	-.00290
MAR	22	44320	.02852	.18162	.444391	.002596	.01386	-.00308
MAR	23	44321	.02672	.18202	.441831	.002512	.01419	-.00322
MAR	24	44322	.02482	.18252	.439347	.002478	.01459	-.00329
MAR	25	44323	.02302	.18302	.436859	.002497	.01497	-.00329
MAR	26	44324	.02132	.18352	.434338	.002558	.01528	-.00324
MAR	27	44325	.01952	.18412	.431743	.002636	.01544	-.00315
MAR	28	44326	.01792	.18462	.429071	.002715	.01543	-.00305
MAR	29	44327	.01622	.18522	.426323	.002781	.01526	-.00298
MAR	30	44328	.01462	.18582	.423513	.002834	.01498	-.00295
MAR	31	44329	.01302	.18652	.420664	.002854	.01464	-.00298
APR	1	44330	.01142	.18712	.417807	.002846	.01433	-.00308

APR	2	44331	.00982	.18782	.414971	.002810	.01411	-.00323
APR	3	44332	.00823	.18843	.412194	.002737	.01403	-.00341
APR	4	44333	.00663	.18913	.409500	.002640	.01413	-.00360
APR	5	44334	.00503	.18993	.406905	.002532	.01437	-.00375
APR	6	44335	.00343	.19063	.404421	.002441	.01473	-.00386
APR	7	44336	.00173	.19133	.402012	.002384	.01512	-.00390
APR	8	44337	.00003	.19213	.399625	.002386	.01548	-.00388
APR	9	44338	-.00167	.19283	.397220	.002446	.01573	-.00380
APR	10	44339	-.00337	.19363	.394713	.002566	.01582	-.00370
APR	11	44340	-.00517	.19443	.392062	.002739	.01575	-.00359
APR	12	44341	-.00697	.19523	.389223	.002926	.01553	-.00352
APR	13	44342	-.00887	.19613	.386214	.003077	.01520	-.00349
APR	14	44343	-.01067	.19693	.383109	.003137	.01485	-.00354
APR	15	44344	-.01247	.19773	.379987	.003097	.01455	-.00364
APR	16	44345	-.01437	.19863	.376947	.002981	.01436	-.00380
APR	17	44346	-.01627	.19953	.374043	.002805	.01433	-.00397
APR	18	44347	-.01807	.20033	.371326	.002630	.01446	-.00414
APR	19	44348	-.01997	.20123	.368757	.002496	.01473	-.00427
APR	20	44349	-.02177	.20213	.366304	.002422	.01509	-.00435
APR	21	44350	-.02357	.20313	.363894	.002407	.01546	-.00435
APR	22	44351	-.02527	.20403	.361464	.002451	.01577	-.00430
APR	23	44352	-.02707	.20503	.358980	.002518	.01595	-.00419
APR	24	44353	-.02867	.20603	.356431	.002582	.01597	-.00407
APR	25	44354	-.03027	.20703	.353816	.002649	.01582	-.00396
APR	26	44355	-.03187	.20803	.351138	.002695	.01554	-.00389
APR	27	44356	-.03327	.20913	.348423	.002721	.01517	-.00388
APR	28	44357	-.03467	.21023	.345704	.002701	.01481	-.00393
APR	29	44358	-.03597	.21133	.343029	.002632	.01451	-.00404
APR	30	44359	-.03717	.21243	.340438	.002557	.01435	-.00419
MAY	1	44360	-.03837	.21363	.337932	.002461	.01435	-.00436
MAY	2	44361	-.03937	.21483	.335528	.002357	.01451	-.00450
MAY	3	44362	-.04047	.21593	.333207	.002281	.01479	-.00460
MAY	4	44363	-.04137	.21713	.330956	.002235	.01513	-.00464
MAY	5	44364	-.04227	.21823	.328731	.002223	.01546	-.00461
MAY	6	44365	-.04307	.21933	.326490	.002276	.01571	-.00452
MAY	7	44366	-.04387	.22053	.324170	.002374	.01581	-.00440
MAY	8	44367	-.04457	.22163	.321727	.002516	.01574	-.00426
MAY	9	44368	-.04526	.22274	.319121	.002698	.01551	-.00415
MAY	10	44369	-.04606	.22384	.316337	.002853	.01516	-.00408
MAY	11	44370	-.04676	.22504	.313425	.002958	.01475	-.00408
MAY	12	44371	-.04746	.22604	.310451	.002972	.01437	-.00414
MAY	13	44372	-.04816	.22714	.307514	.002887	.01408	-.00425
MAY	14	44373	-.04876	.22824	.304701	.002729	.01394	-.00440
MAY	15	44374	-.04936	.22934	.302065	.002552	.01396	-.00455
MAY	16	44375	-.04986	.23044	.299599	.002394	.01413	-.00467
MAY	17	44376	-.05036	.23144	.297268	.002277	.01441	-.00473
MAY	18	44377	-.05086	.23254	.295025	.002211	.01473	-.00474
MAY	19	44378	-.05126	.23354	.292818	.002210	.01500	-.00467
MAY	20	44379	-.05156	.23464	.290594	.002236	.01516	-.00456
MAY	21	44380	-.05196	.23564	.288328	.002295	.01517	-.00441
MAY	22	44381	-.05226	.23664	.286000	.002360	.01501	-.00427
MAY	23	44382	-.05256	.23764	.283620	.002399	.01470	-.00416
MAY	24	44383	-.05286	.23864	.281210	.002400	.01429	-.00410

MAY	25	44384	-.05306	.23964	.278818	.002376	.01384	-.00411
MAY	26	44385	-.05326	.24064	.276466	.002315	.01345	-.00418
MAY	27	44386	-.05346	.24164	.274197	.002228	.01317	-.00430
MAY	28	44387	-.05366	.24264	.272027	.002119	.01305	-.00444
MAY	29	44388	-.05386	.24374	.269964	.002008	.01309	-.00457
MAY	30	44389	-.05406	.24474	.268011	.001897	.01327	-.00466
MAY	31	44390	-.05426	.24574	.266161	.001808	.01353	-.00470
JUN	1	44391	-.05446	.24674	.264393	.001758	.01380	-.00467
JUN	2	44392	-.05456	.24774	.262637	.001762	.01401	-.00457
JUN	3	44393	-.05476	.24884	.260849	.001821	.01409	-.00444
JUN	4	44394	-.05486	.24984	.258970	.001932	.01401	-.00428
JUN	5	44395	-.05496	.25084	.256968	.002072	.01376	-.00414
JUN	6	44396	-.05516	.25184	.254830	.002202	.01337	-.00404
JUN	7	44397	-.05526	.25274	.252569	.002299	.01290	-.00399
JUN	8	44398	-.05536	.25374	.250254	.002337	.01243	-.00401
JUN	9	44399	-.05546	.25474	.247922	.002323	.01204	-.00409
JUN	10	44400	-.05556	.25564	.245643	.002225	.01177	-.00422
JUN	11	44401	-.05566	.25664	.243486	.002073	.01167	-.00435
JUN	12	44402	-.05586	.25764	.241487	.001930	.01173	-.00446
JUN	13	44403	-.05596	.25854	.239624	.001811	.01192	-.00453
JUN	14	44404	-.05596	.25954	.237844	.001749	.01216	-.00454
JUN	15	44405	-.05605	.26055	.236097	.001754	.01239	-.00448
JUN	16	44406	-.05615	.26165	.234322	.001793	.01253	-.00437
JUN	17	44407	-.05625	.26265	.232502	.001848	.01252	-.00422
JUN	18	44408	-.05625	.26375	.230623	.001913	.01235	-.00406
JUN	19	44409	-.05635	.26485	.228678	.001965	.01202	-.00392
JUN	20	44410	-.05635	.26605	.226698	.002001	.01157	-.00383
JUN	21	44411	-.05625	.26715	.224693	.002004	.01106	-.00381
JUN	22	44412	-.05625	.26835	.222700	.001979	.01059	-.00385
JUN	23	44413	-.05615	.26955	.220744	.001928	.01020	-.00394
JUN	24	44414	-.05595	.27085	.218859	.001857	.00997	-.00407
JUN	25	44415	-.05575	.27205	.217044	.001762	.00990	-.00419
JUN	26	44416	-.05555	.27335	.215326	.001664	.00998	-.00429
JUN	27	44417	-.05525	.27465	.213710	.001580	.01017	-.00434
JUN	28	44418	-.05495	.27595	.212165	.001518	.01040	-.00433
JUN	29	44419	-.05455	.27735	.210657	.001507	.01058	-.00424
JUN	30	44420	-.05405	.27865	.209132	.001554	.01066	-.00411
JUL	1	44421	-.05355	.28005	.207533	.001650	.01058	-.00395
JUL	2	44422	-.05305	.28135	.205825	.001778	.01033	-.00380
JUL	3	44423	-.05245	.28275	.203980	.001895	.00993	-.00367
JUL	4	44424	-.05175	.28405	.202039	.001976	.00944	-.00360
JUL	5	44425	-.05105	.28535	.200049	.002001	.00892	-.00360
JUL	6	44426	-.05035	.28655	.198064	.001951	.00846	-.00366
JUL	7	44427	-.04955	.28785	.196160	.001846	.00811	-.00377
JUL	8	44428	-.04875	.28905	.194384	.001709	.00792	-.00390
JUL	9	44429	-.04795	.29025	.192744	.001573	.00789	-.00402
JUL	10	44430	-.04705	.29145	.191230	.001450	.00801	-.00410
JUL	11	44431	-.04625	.29255	.189826	.001377	.00821	-.00413
JUL	12	44432	-.04545	.29365	.188458	.001360	.00842	-.00409
JUL	13	44433	-.04465	.29465	.187079	.001392	.00857	-.00399
JUL	14	44434	-.04385	.29575	.185663	.001455	.00859	-.00385
JUL	15	44435	-.04315	.29685	.184165	.001532	.00845	-.00369
JUL	16	44436	-.04255	.29785	.182600	.001607	.00814	-.00354

JUL	17	44437	-.04195	.29895	.180965	.001669	.00771	-.00344
JUL	18	44438	-.04155	.29995	.179280	.001709	.00720	-.00339
JUL	19	44439	-.04105	.30095	.177567	.001711	.00669	-.00341
JUL	20	44440	-.04065	.30205	.175858	.001695	.00626	-.00349
JUL	21	44441	-.04024	.30296	.174175	.001657	.00596	-.00361
JUL	22	44442	-.03994	.30396	.172548	.001596	.00583	-.00374
JUL	23	44443	-.03964	.30486	.170983	.001542	.00587	-.00386
JUL	24	44444	-.03944	.30576	.169468	.001488	.00603	-.00393
JUL	25	44445	-.03914	.30666	.167989	.001468	.00625	-.00394
JUL	26	44446	-.03894	.30746	.166527	.001483	.00646	-.00388
JUL	27	44447	-.03864	.30826	.165014	.001546	.00658	-.00376
JUL	28	44448	-.03844	.30896	.163406	.001669	.00656	-.00361
JUL	29	44449	-.03824	.30966	.161653	.001819	.00637	-.00345
JUL	30	44450	-.03804	.31026	.159756	.001968	.00603	-.00332
JUL	31	44451	-.03784	.31096	.157742	.002062	.00558	-.00324
AUG	1	44452	-.03764	.31156	.155670	.002068	.00508	-.00321
AUG	2	44453	-.03744	.31206	.153626	.001997	.00460	-.00326
AUG	3	44454	-.03724	.31266	.151690	.001863	.00423	-.00336
AUG	4	44455	-.03704	.31316	.149913	.001686	.00401	-.00349
AUG	5	44456	-.03684	.31376	.148313	.001519	.00396	-.00362
AUG	6	44457	-.03664	.31426	.146867	.001376	.00406	-.00372
AUG	7	44458	-.03644	.31486	.145555	.001289	.00428	-.00377
AUG	8	44459	-.03624	.31546	.144279	.001269	.00453	-.00376
AUG	9	44460	-.03604	.31606	.143009	.001291	.00474	-.00368
AUG	10	44461	-.03574	.31666	.141676	.001361	.00484	-.00355
AUG	11	44462	-.03554	.31736	.140270	.001450	.00480	-.00340
AUG	12	44463	-.03524	.31806	.138776	.001549	.00458	-.00325
AUG	13	44464	-.03494	.31876	.137186	.001637	.00423	-.00313
AUG	14	44465	-.03464	.31946	.135518	.001703	.00378	-.00307
AUG	15	44466	-.03424	.32026	.133787	.001752	.00331	-.00307
AUG	16	44467	-.03384	.32116	.132032	.001762	.00290	-.00313
AUG	17	44468	-.03344	.32196	.130270	.001747	.00260	-.00324
AUG	18	44469	-.03314	.32286	.128544	.001715	.00247	-.00338
AUG	19	44470	-.03274	.32366	.126841	.001689	.00251	-.00350
AUG	20	44471	-.03244	.32456	.125172	.001662	.00269	-.00359
AUG	21	44472	-.03224	.32536	.123501	.001666	.00296	-.00362
AUG	22	44473	-.03214	.32616	.121828	.001697	.00325	-.00359
AUG	23	44474	-.03194	.32696	.120097	.001771	.00347	-.00349
AUG	24	44475	-.03184	.32776	.118253	.001909	.00356	-.00335
AUG	25	44476	-.03184	.32846	.116252	.002102	.00350	-.00319
AUG	26	44477	-.03174	.32916	.114039	.002309	.00327	-.00304
AUG	27	44478	-.03183	.32977	.111641	.002480	.00292	-.00294
AUG	28	44479	-.03193	.33027	.109105	.002576	.00249	-.00290
AUG	29	44480	-.03203	.33087	.106524	.002569	.00207	-.00292
AUG	30	44481	-.03213	.33137	.104011	.002453	.00174	-.00300
AUG	31	44482	-.03233	.33177	.101630	.002291	.00154	-.00312
SEP	1	44483	-.03243	.33227	.099435	.002108	.00151	-.00325
SEP	2	44484	-.03253	.33267	.097407	.001946	.00164	-.00337
SEP	3	44485	-.03253	.33307	.095517	.001844	.00191	-.00343
SEP	4	44486	-.03263	.33347	.093700	.001802	.00223	-.00344
SEP	5	44487	-.03263	.33387	.091883	.001829	.00254	-.00338
SEP	6	44488	-.03263	.33437	.090016	.001910	.00277	-.00326
SEP	7	44489	-.03253	.33477	.088054	.002017	.00286	-.00311

SEP	8	44490	-.03233	.33517	.085991	.002120	.00278	-.00295
SEP	9	44491	-.03213	.33557	.083816	.002214	.00255	-.00281
SEP	10	44492	-.03193	.33607	.081558	.002297	.00221	-.00272
SEP	11	44493	-.03173	.33647	.079240	.002344	.00182	-.00269
SEP	12	44494	-.03143	.33687	.076882	.002370	.00147	-.00273
SEP	13	44495	-.03113	.33727	.074519	.002359	.00122	-.00283
SEP	14	44496	-.03083	.33777	.072172	.002315	.00112	-.00295
SEP	15	44497	-.03053	.33817	.069883	.002263	.00119	-.00307
SEP	16	44498	-.03023	.33857	.067655	.002205	.00142	-.00317
SEP	17	44499	-.02983	.33907	.065464	.002168	.00176	-.00321
SEP	18	44500	-.02953	.33947	.063317	.002144	.00213	-.00318
SEP	19	44501	-.02913	.33987	.061160	.002168	.00247	-.00310
SEP	20	44502	-.02873	.34037	.058961	.002240	.00269	-.00296
SEP	21	44503	-.02843	.34077	.056648	.002375	.00277	-.00279
SEP	22	44504	-.02803	.34117	.054187	.002556	.00268	-.00263
SEP	23	44505	-.02763	.34157	.051524	.002754	.00245	-.00250
SEP	24	44506	-.02723	.34207	.048693	.002905	.00213	-.00242
SEP	25	44507	-.02683	.34247	.045755	.002971	.00178	-.00241
SEP	26	44508	-.02633	.34297	.042801	.002919	.00150	-.00246
SEP	27	44509	-.02593	.34347	.039941	.002778	.00134	-.00256
SEP	28	44510	-.02543	.34397	.037262	.002582	.00134	-.00268
SEP	29	44511	-.02493	.34447	.034785	.002388	.00151	-.00279
SEP	30	44512	-.02453	.34507	.032472	.002238	.00182	-.00286
OCT	1	44513	-.02403	.34567	.030286	.002144	.00221	-.00287
OCT	2	44514	-.02362	.34628	.028162	.002125	.00262	-.00282
OCT	3	44515	-.02322	.34688	.026027	.002150	.00296	-.00270
OCT	4	44516	-.02272	.34758	.023841	.002208	.00318	-.00254
OCT	5	44517	-.02232	.34818	.021598	.002289	.00323	-.00237
OCT	6	44518	-.02182	.34888	.019264	.002367	.00313	-.00221
OCT	7	44519	-.02132	.34968	.016859	.002438	.00289	-.00208
OCT	8	44520	-.02082	.35038	.014395	.002482	.00259	-.00202
OCT	9	44521	-.02022	.35118	.011904	.002496	.00229	-.00203
OCT	10	44522	-.01962	.35198	.009414	.002481	.00207	-.00209
OCT	11	44523	-.01902	.35268	.006951	.002440	.00199	-.00219
OCT	12	44524	-.01842	.35348	.004550	.002383	.00208	-.00230
OCT	13	44525	-.01772	.35428	.002197	.002324	.00233	-.00239
OCT	14	44526	-.01712	.35508	-.000105	.002281	.00271	-.00244
OCT	15	44527	-.01642	.35588	-.002364	.002248	.00314	-.00242
OCT	16	44528	-.01572	.35658	-.004624	.002268	.00357	-.00233
OCT	17	44529	-.01502	.35738	-.006911	.002333	.00390	-.00219
OCT	18	44530	-.01442	.35808	-.009301	.002456	.00409	-.00202
OCT	19	44531	-.01372	.35868	-.011852	.002644	.00411	-.00183
OCT	20	44532	-.01302	.35928	-.014599	.002864	.00398	-.00167
OCT	21	44533	-.01242	.35988	-.017566	.003072	.00373	-.00156
OCT	22	44534	-.01172	.36048	-.020721	.003217	.00345	-.00152
OCT	23	44535	-.01102	.36098	-.023975	.003257	.00319	-.00153
OCT	24	44536	-.01032	.36148	-.027198	.003181	.00303	-.00160
OCT	25	44537	-.00962	.36198	-.030298	.003007	.00303	-.00171
OCT	26	44538	-.00892	.36238	-.033200	.002796	.00319	-.00181
OCT	27	44539	-.00822	.36278	-.035899	.002607	.00350	-.00188
OCT	28	44540	-.00752	.36318	-.038434	.002466	.00392	-.00190
OCT	29	44541	-.00682	.36358	-.040854	.002396	.00438	-.00185
OCT	30	44542	-.00602	.36398	-.043247	.002388	.00479	-.00174

OCT	31	44543	-.00532	.36438	-.045656	.002423	.00509	-.00157
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NOV	3	44546	-.00322	.36538	-.053153	.002568	.00505	-.00105
NOV	4	44547	-.00242	.36568	-.055740	.002579	.00479	-.00096
NOV	5	44548	-.00172	.36608	-.058312	.002561	.00451	-.00093
NOV	6	44549	-.00092	.36638	-.060853	.002513	.00429	-.00096
NOV	7	44550	-.00012	.36678	-.063329	.002438	.00418	-.00104
NOV	8	44551	.00069	.36719	-.065711	.002343	.00424	-.00114
NOV	9	44552	.00159	.36759	-.068004	.002240	.00446	-.00123
NOV	10	44553	.00249	.36799	-.070193	.002154	.00482	-.00128
NOV	11	44554	.00349	.36839	-.072308	.002082	.00526	-.00128
NOV	12	44555	.00439	.36879	-.074382	.002060	.00571	-.00121
NOV	13	44556	.00549	.36919	-.076458	.002090	.00609	-.00107
NOV	14	44557	.00659	.36959	-.078581	.002184	.00635	-.00090
NOV	15	44558	.00779	.36999	-.080833	.002330	.00643	-.00071
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NOV	17	44560	.01029	.37069	-.085891	.002735	.00615	-.00040
NOV	18	44561	.01159	.37109	-.088722	.002926	.00587	-.00032
NOV	19	44562	.01289	.37149	-.091710	.003045	.00559	-.00032
NOV	20	44563	.01429	.37179	-.094787	.003062	.00540	-.00037
NOV	21	44564	.01579	.37209	-.097809	.002979	.00534	-.00046
NOV	22	44565	.01729	.37239	-.100713	.002821	.00545	-.00056
NOV	23	44566	.01879	.37259	-.103447	.002650	.00571	-.00064
NOV	24	44567	.02029	.37289	-.106016	.002487	.00610	-.00068
NOV	25	44568	.02199	.37309	-.108443	.002380	.00655	-.00065
NOV	26	44569	.02359	.37329	-.110788	.002341	.00697	-.00056
NOV	27	44570	.02529	.37339	-.113130	.002342	.00730	-.00041
NOV	28	44571	.02689	.37359	-.115481	.002370	.00749	-.00023
NOV	29	44572	.02849	.37369	-.117874	.002405	.00751	-.00005
NOV	30	44573	.03019	.37379	-.120287	.002420	.00737	.00012
DEC	1	44574	.03169	.37389	-.122707	.002425	.00712	.00023
DEC	2	44575	.03329	.37399	-.125129	.002402	.00682	.00027
DEC	3	44576	.03479	.37409	-.127511	.002370	.00655	.00025
DEC	4	44577	.03629	.37419	-.129850	.002311	.00638	.00018
DEC	5	44578	.03769	.37419	-.132138	.002252	.00636	.00007
DEC	6	44579	.03899	.37429	-.134350	.002180	.00651	-.00003
DEC	7	44580	.04029	.37419	-.136499	.002120	.00681	-.00011
DEC	8	44581	.04149	.37419	-.138587	.002077	.00721	-.00013
DEC	9	44582	.04279	.37409	-.140656	.002069	.00764	-.00009
DEC	10	44583	.04399	.37399	-.142740	.002108	.00802	.00001
DEC	11	44584	.04519	.37379	-.144892	.002203	.00829	.00017
DEC	12	44585	.04639	.37349	-.147164	.002348	.00841	.00034
DEC	13	44586	.04759	.37309	-.149599	.002517	.00835	.00051
DEC	14	44587	.04890	.37280	-.152210	.002706	.00815	.00065
DEC	15	44588	.05010	.37230	-.154994	.002856	.00786	.00073
DEC	16	44589	.05140	.37180	-.157906	.002944	.00754	.00074
DEC	17	44590	.05270	.37120	-.160867	.002955	.00728	.00069
DEC	18	44591	.05410	.37060	-.163777	.002861	.00715	.00059
DEC	19	44592	.05550	.36990	-.166555	.002695	.00717	.00047
DEC	20	44593	.05700	.36920	-.169159	.002487	.00735	.00036
DEC	21	44594	.05840	.36840	-.171545	.002303	.00767	.00029
DEC	22	44595	.05990	.36750	-.173781	.002180	.00807	.00027

DEC	23	44596	.06140	.36670	-.175918	.002125	.00848	.00032
DEC	24	44597	.06280	.36580	-.178040	.002127	.00882	.00043
DEC	25	44598	.06430	.36480	-.180193	.002174	.00902	.00058
DEC	26	44599	.06570	.36380	-.182391	.002243	.00906	.00074
DEC	27	44600	.06710	.36290	-.184666	.002303	.00893	.00089
DEC	28	44601	.06840	.36190	-.186990	.002343	.00868	.00099
DEC	29	44602	.06960	.36100	-.189352	.002375	.00835	.00103
DEC	30	44603	.07070	.36010	-.191723	.002378	.00803	.00101
DEC	31	44604	.07170	.35920	-.194101	.002363	.00779	.00092