

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 ==> 1973								
JAN	1	41683	.12480	.12500	.810594	.002773	.04811	-.00112
JAN	2	41684	.12350	.12300	.807858	.002710	.04839	-.00123
JAN	3	41685	.12230	.12100	.805152	.002722	.04876	-.00128
JAN	4	41686	.12090	.11900	.802402	.002791	.04916	-.00127
JAN	5	41687	.11960	.11710	.799542	.002928	.04951	-.00119
JAN	6	41688	.11820	.11520	.796531	.003108	.04974	-.00107
JAN	7	41689	.11680	.11340	.793329	.003317	.04981	-.00093
JAN	8	41690	.11530	.11160	.789910	.003507	.04971	-.00079
JAN	9	41691	.11380	.10980	.786318	.003655	.04947	-.00070
JAN	10	41692	.11220	.10810	.782621	.003726	.04914	-.00066
JAN	11	41693	.11060	.10650	.778896	.003711	.04880	-.00069
JAN	12	41694	.10900	.10500	.775229	.003599	.04852	-.00079
JAN	13	41695	.10730	.10340	.771711	.003420	.04837	-.00092
JAN	14	41696	.10560	.10200	.768397	.003197	.04838	-.00108
JAN	15	41697	.10380	.10060	.765305	.003006	.04856	-.00123
JAN	16	41698	.10200	.09930	.762365	.002900	.04887	-.00133
JAN	17	41699	.10010	.09800	.759475	.002900	.04925	-.00138
JAN	18	41700	.09820	.09680	.756529	.003007	.04963	-.00137
JAN	19	41701	.09630	.09570	.753432	.003182	.04993	-.00129
JAN	20	41702	.09431	.09461	.750168	.003348	.05010	-.00118
JAN	21	41703	.09231	.09361	.746760	.003455	.05011	-.00105
JAN	22	41704	.09031	.09261	.743292	.003472	.04995	-.00095
JAN	23	41705	.08831	.09181	.739847	.003403	.04966	-.00089
JAN	24	41706	.08621	.09091	.736509	.003264	.04932	-.00089
JAN	25	41707	.08411	.09011	.733322	.003099	.04899	-.00096
JAN	26	41708	.08201	.08941	.730305	.002927	.04874	-.00109
JAN	27	41709	.07991	.08881	.727453	.002789	.04864	-.00126
JAN	28	41710	.07771	.08821	.724726	.002674	.04870	-.00143
JAN	29	41711	.07561	.08761	.722089	.002620	.04892	-.00158
JAN	30	41712	.07341	.08711	.719476	.002619	.04926	-.00169
JAN	31	41713	.07131	.08661	.716819	.002697	.04964	-.00173
FEB	1	41714	.06911	.08621	.714061	.002850	.05000	-.00171
FEB	2	41715	.06701	.08581	.711111	.003046	.05027	-.00164
FEB	3	41716	.06491	.08551	.707950	.003271	.05038	-.00153
FEB	4	41717	.06281	.08521	.704570	.003496	.05033	-.00143
FEB	5	41718	.06061	.08501	.700980	.003674	.05012	-.00135
FEB	6	41719	.05851	.08481	.697236	.003791	.04981	-.00133
FEB	7	41720	.05641	.08471	.693429	.003814	.04946	-.00137
FEB	8	41721	.05441	.08451	.689649	.003734	.04915	-.00148

FEB	9	41722	.05231	.08451	.685997	.003572	.04895	-.00164
FEB	10	41723	.05021	.08441	.682503	.003393	.04890	-.00182
FEB	11	41724	.04821	.08441	.679201	.003229	.04902	-.00201
FEB	12	41725	.04611	.08441	.676022	.003137	.04929	-.00216
FEB	13	41726	.04411	.08441	.672884	.003148	.04966	-.00226
FEB	14	41727	.04211	.08451	.669679	.003266	.05005	-.00230
FEB	15	41728	.04011	.08461	.666325	.003462	.05039	-.00227
FEB	16	41729	.03801	.08471	.662759	.003671	.05061	-.00219
FEB	17	41730	.03601	.08481	.659006	.003832	.05067	-.00210
FEB	18	41731	.03401	.08501	.655132	.003899	.05057	-.00201
FEB	19	41732	.03201	.08521	.651243	.003873	.05032	-.00196
FEB	20	41733	.03001	.08541	.647426	.003747	.04999	-.00197
FEB	21	41734	.02801	.08561	.643769	.003552	.04965	-.00205
FEB	22	41735	.02591	.08581	.640319	.003344	.04938	-.00219
FEB	23	41736	.02391	.08601	.637088	.003132	.04923	-.00237
FEB	24	41737	.02191	.08631	.634046	.002949	.04925	-.00257
FEB	25	41738	.01982	.08652	.631175	.002812	.04943	-.00275
FEB	26	41739	.01782	.08682	.628401	.002735	.04975	-.00290
FEB	27	41740	.01572	.08712	.625682	.002735	.05014	-.00299
FEB	28	41741	.01362	.08742	.622908	.002814	.05052	-.00301
MAR	1	41742	.01162	.08772	.620025	.002952	.05083	-.00297
MAR	2	41743	.00952	.08802	.616980	.003144	.05101	-.00289
MAR	3	41744	.00742	.08842	.613742	.003342	.05102	-.00280
MAR	4	41745	.00532	.08872	.610302	.003531	.05087	-.00273
MAR	5	41746	.00312	.08902	.606702	.003669	.05060	-.00270
MAR	6	41747	.00102	.08942	.603007	.003712	.05026	-.00274
MAR	7	41748	-.00108	.08982	.599314	.003656	.04994	-.00284
MAR	8	41749	-.00318	.09012	.595725	.003519	.04971	-.00300
MAR	9	41750	-.00538	.09052	.592282	.003346	.04963	-.00320
MAR	10	41751	-.00748	.09102	.589019	.003186	.04971	-.00340
MAR	11	41752	-.00958	.09142	.585887	.003093	.04994	-.00358
MAR	12	41753	-.01168	.09182	.582802	.003099	.05030	-.00371
MAR	13	41754	-.01388	.09232	.579654	.003211	.05070	-.00378
MAR	14	41755	-.01598	.09282	.576352	.003413	.05107	-.00378
MAR	15	41756	-.01808	.09332	.572816	.003664	.05135	-.00372
MAR	16	41757	-.02018	.09392	.569030	.003892	.05148	-.00364
MAR	17	41758	-.02228	.09452	.565050	.004062	.05143	-.00355
MAR	18	41759	-.02428	.09512	.560934	.004134	.05124	-.00349
MAR	19	41760	-.02638	.09572	.556803	.004104	.05094	-.00349
MAR	20	41761	-.02848	.09642	.552752	.003980	.05060	-.00354
MAR	21	41762	-.03048	.09722	.548857	.003814	.05031	-.00367
MAR	22	41763	-.03258	.09802	.545137	.003629	.05013	-.00384
MAR	23	41764	-.03458	.09882	.541593	.003444	.05010	-.00404
MAR	24	41765	-.03658	.09972	.538225	.003300	.05023	-.00423
MAR	25	41766	-.03858	.10062	.534976	.003210	.05052	-.00439
MAR	26	41767	-.04058	.10162	.531774	.003194	.05089	-.00450
MAR	27	41768	-.04258	.10272	.528565	.003234	.05129	-.00454
MAR	28	41769	-.04458	.10382	.525285	.003335	.05164	-.00451
MAR	29	41770	-.04658	.10492	.521878	.003486	.05187	-.00444
MAR	30	41771	-.04858	.10612	.518293	.003678	.05194	-.00434
MAR	31	41772	-.05048	.10742	.514522	.003861	.05184	-.00426
APR	1	41773	-.05248	.10872	.510583	.004018	.05160	-.00421
APR	2	41774	-.05448	.11012	.506523	.004097	.05127	-.00422

APR	3	41775	-.05637	.11153	.502424	.004069	.05094	-.00429
APR	4	41776	-.05837	.11303	.498421	.003931	.05067	-.00442
APR	5	41777	-.06027	.11463	.494598	.003707	.05053	-.00460
APR	6	41778	-.06217	.11623	.491003	.003477	.05055	-.00479
APR	7	41779	-.06417	.11783	.487627	.003288	.05073	-.00497
APR	8	41780	-.06607	.11953	.484404	.003199	.05104	-.00510
APR	9	41781	-.06797	.12123	.481203	.003220	.05143	-.00518
APR	10	41782	-.06987	.12303	.477925	.003337	.05181	-.00518
APR	11	41783	-.07167	.12483	.474514	.003498	.05211	-.00513
APR	12	41784	-.07357	.12673	.470942	.003642	.05228	-.00504
APR	13	41785	-.07537	.12863	.467235	.003752	.05227	-.00493
APR	14	41786	-.07717	.13053	.463453	.003790	.05211	-.00484
APR	15	41787	-.07897	.13243	.459682	.003748	.05182	-.00480
APR	16	41788	-.08067	.13443	.455981	.003634	.05147	-.00482
APR	17	41789	-.08247	.13633	.452421	.003479	.05113	-.00490
APR	18	41790	-.08417	.13833	.449039	.003293	.05089	-.00504
APR	19	41791	-.08577	.14033	.445832	.003115	.05078	-.00521
APR	20	41792	-.08747	.14233	.442797	.002970	.05084	-.00539
APR	21	41793	-.08907	.14433	.439885	.002875	.05105	-.00554
APR	22	41794	-.09057	.14633	.437038	.002841	.05138	-.00565
APR	23	41795	-.09207	.14823	.434193	.002868	.05175	-.00569
APR	24	41796	-.09357	.15023	.431292	.002954	.05210	-.00566
APR	25	41797	-.09507	.15213	.428278	.003089	.05234	-.00558
APR	26	41798	-.09647	.15413	.425101	.003259	.05242	-.00546
APR	27	41799	-.09777	.15603	.421756	.003452	.05234	-.00535
APR	28	41800	-.09917	.15793	.418212	.003630	.05211	-.00526
APR	29	41801	-.10047	.15983	.414512	.003768	.05176	-.00522
APR	30	41802	-.10167	.16173	.410715	.003820	.05139	-.00525
MAY	1	41803	-.10287	.16363	.406918	.003765	.05105	-.00534
MAY	2	41804	-.10407	.16543	.403216	.003634	.05082	-.00548
MAY	3	41805	-.10527	.16733	.399667	.003453	.05074	-.00564
MAY	4	41806	-.10637	.16913	.396295	.003281	.05083	-.00580
MAY	5	41807	-.10747	.17093	.393076	.003183	.05106	-.00593
MAY	6	41808	-.10847	.17263	.389889	.003201	.05138	-.00600
MAY	7	41809	-.10947	.17443	.386639	.003313	.05172	-.00600
MAY	8	41810	-.11047	.17613	.383245	.003471	.05201	-.00594
MAY	9	41811	-.11137	.17783	.379700	.003626	.05217	-.00583
MAY	10	41812	-.11226	.17954	.376020	.003713	.05217	-.00570
MAY	11	41813	-.11316	.18124	.372288	.003737	.05200	-.00558
MAY	12	41814	-.11396	.18294	.368571	.003666	.05169	-.00549
MAY	13	41815	-.11476	.18454	.364967	.003531	.05130	-.00546
MAY	14	41816	-.11556	.18624	.361525	.003348	.05089	-.00550
MAY	15	41817	-.11626	.18784	.358280	.003140	.05055	-.00559
MAY	16	41818	-.11706	.18944	.355254	.002924	.05033	-.00573
MAY	17	41819	-.11766	.19104	.352424	.002732	.05028	-.00589
MAY	18	41820	-.11836	.19254	.349764	.002596	.05038	-.00602
MAY	19	41821	-.11906	.19414	.347213	.002517	.05062	-.00612
MAY	20	41822	-.11966	.19564	.344709	.002500	.05092	-.00615
MAY	21	41823	-.12016	.19724	.342194	.002550	.05122	-.00612
MAY	22	41824	-.12076	.19874	.339593	.002657	.05143	-.00603
MAY	23	41825	-.12126	.20024	.336869	.002796	.05151	-.00590
MAY	24	41826	-.12176	.20174	.333986	.002960	.05141	-.00576
MAY	25	41827	-.12216	.20324	.330941	.003127	.05116	-.00563

MAY	26	41828	-.12256	.20484	.327753	.003252	.05077	-.00555
MAY	27	41829	-.12296	.20634	.324448	.003336	.05033	-.00553
MAY	28	41830	-.12326	.20784	.321110	.003333	.04990	-.00558
MAY	29	41831	-.12356	.20934	.317814	.003237	.04956	-.00568
MAY	30	41832	-.12376	.21084	.314661	.003061	.04936	-.00582
MAY	31	41833	-.12396	.21244	.311697	.002880	.04933	-.00596
JUN	1	41834	-.12406	.21394	.308892	.002753	.04945	-.00608
JUN	2	41835	-.12406	.21544	.306154	.002733	.04968	-.00615
JUN	3	41836	-.12406	.21704	.303386	.002821	.04995	-.00615
JUN	4	41837	-.12406	.21864	.300484	.002992	.05019	-.00609
JUN	5	41838	-.12396	.22014	.297387	.003180	.05033	-.00597
JUN	6	41839	-.12376	.22174	.294129	.003323	.05031	-.00582
JUN	7	41840	-.12356	.22334	.290759	.003382	.05012	-.00568
JUN	8	41841	-.12326	.22494	.287386	.003341	.04978	-.00556
JUN	9	41842	-.12296	.22654	.284102	.003227	.04934	-.00549
JUN	10	41843	-.12256	.22814	.280947	.003067	.04886	-.00549
JUN	11	41844	-.12206	.22984	.277965	.002876	.04842	-.00555
JUN	12	41845	-.12156	.23144	.275186	.002686	.04809	-.00566
JUN	13	41846	-.12106	.23314	.272587	.002508	.04791	-.00580
JUN	14	41847	-.12046	.23474	.270148	.002369	.04790	-.00593
JUN	15	41848	-.11975	.23645	.267829	.002287	.04803	-.00602
JUN	16	41849	-.11905	.23815	.265554	.002265	.04825	-.00606
JUN	17	41850	-.11825	.23985	.263278	.002294	.04849	-.00604
JUN	18	41851	-.11745	.24165	.260950	.002371	.04867	-.00595
JUN	19	41852	-.11655	.24335	.258526	.002471	.04873	-.00582
JUN	20	41853	-.11565	.24515	.255994	.002594	.04863	-.00566
JUN	21	41854	-.11475	.24695	.253341	.002709	.04836	-.00552
JUN	22	41855	-.11375	.24875	.250585	.002786	.04795	-.00541
JUN	23	41856	-.11265	.25055	.247785	.002822	.04746	-.00536
JUN	24	41857	-.11155	.25235	.244973	.002790	.04696	-.00538
JUN	25	41858	-.11045	.25425	.242231	.002680	.04652	-.00545
JUN	26	41859	-.10935	.25615	.239637	.002501	.04621	-.00557
JUN	27	41860	-.10815	.25805	.237232	.002310	.04607	-.00571
JUN	28	41861	-.10685	.25995	.235000	.002152	.04609	-.00583
JUN	29	41862	-.10565	.26185	.232900	.002076	.04624	-.00591
JUN	30	41863	-.10435	.26385	.230810	.002116	.04645	-.00592
JUL	1	41864	-.10305	.26585	.228623	.002272	.04666	-.00587
JUL	2	41865	-.10165	.26775	.226258	.002471	.04679	-.00577
JUL	3	41866	-.10025	.26975	.223688	.002660	.04678	-.00562
JUL	4	41867	-.09885	.27175	.220965	.002769	.04661	-.00547
JUL	5	41868	-.09745	.27375	.218187	.002769	.04627	-.00533
JUL	6	41869	-.09595	.27575	.215459	.002682	.04581	-.00524
JUL	7	41870	-.09445	.27775	.212853	.002532	.04529	-.00521
JUL	8	41871	-.09295	.27975	.210413	.002346	.04479	-.00525
JUL	9	41872	-.09145	.28175	.208151	.002171	.04438	-.00535
JUL	10	41873	-.08995	.28365	.206053	.002019	.04412	-.00547
JUL	11	41874	-.08845	.28565	.204090	.001917	.04402	-.00561
JUL	12	41875	-.08695	.28755	.202203	.001877	.04408	-.00572
JUL	13	41876	-.08535	.28935	.200326	.001888	.04426	-.00578
JUL	14	41877	-.08385	.29125	.198406	.001972	.04447	-.00577
JUL	15	41878	-.08235	.29305	.196374	.002100	.04466	-.00570
JUL	16	41879	-.08075	.29475	.194183	.002276	.04474	-.00558
JUL	17	41880	-.07925	.29645	.191816	.002469	.04467	-.00543

JUL	18	41881	-.07775	.29815	.189247	.002656	.04444	-.00528
JUL	19	41882	-.07625	.29975	.186516	.002802	.04405	-.00516
JUL	20	41883	-.07475	.30135	.183650	.002908	.04357	-.00509
JUL	21	41884	-.07325	.30285	.180722	.002957	.04305	-.00509
JUL	22	41885	-.07174	.30426	.177760	.002936	.04258	-.00515
JUL	23	41886	-.07024	.30566	.174872	.002823	.04222	-.00526
JUL	24	41887	-.06874	.30696	.172126	.002665	.04202	-.00540
JUL	25	41888	-.06724	.30816	.169538	.002506	.04199	-.00553
JUL	26	41889	-.06584	.30936	.167094	.002386	.04210	-.00562
JUL	27	41890	-.06434	.31046	.164733	.002366	.04231	-.00566
JUL	28	41891	-.06284	.31156	.162324	.002457	.04253	-.00564
JUL	29	41892	-.06134	.31246	.159782	.002639	.04270	-.00555
JUL	30	41893	-.05994	.31346	.157041	.002830	.04275	-.00542
JUL	31	41894	-.05844	.31426	.154139	.002949	.04265	-.00527
AUG	1	41895	-.05694	.31506	.151188	.002964	.04237	-.00512
AUG	2	41896	-.05554	.31576	.148252	.002882	.04196	-.00502
AUG	3	41897	-.05404	.31646	.145446	.002717	.04148	-.00498
AUG	4	41898	-.05254	.31706	.142834	.002511	.04098	-.00500
AUG	5	41899	-.05104	.31766	.140436	.002287	.04056	-.00508
AUG	6	41900	-.04954	.31816	.138243	.002105	.04028	-.00520
AUG	7	41901	-.04804	.31866	.136213	.001962	.04016	-.00534
AUG	8	41902	-.04654	.31906	.134310	.001872	.04020	-.00547
AUG	9	41903	-.04494	.31946	.132448	.001852	.04038	-.00555
AUG	10	41904	-.04344	.31976	.130575	.001906	.04063	-.00557
AUG	11	41905	-.04194	.32006	.128617	.002029	.04087	-.00552
AUG	12	41906	-.04034	.32036	.126511	.002188	.04103	-.00542
AUG	13	41907	-.03884	.32066	.124233	.002383	.04106	-.00528
AUG	14	41908	-.03724	.32086	.121745	.002579	.04092	-.00513
AUG	15	41909	-.03574	.32106	.119074	.002760	.04063	-.00500
AUG	16	41910	-.03414	.32136	.116254	.002880	.04022	-.00491
AUG	17	41911	-.03254	.32156	.113348	.002929	.03975	-.00489
AUG	18	41912	-.03094	.32176	.110421	.002903	.03931	-.00493
AUG	19	41913	-.02934	.32196	.107555	.002809	.03897	-.00503
AUG	20	41914	-.02774	.32216	.104805	.002679	.03877	-.00517
AUG	21	41915	-.02614	.32236	.102196	.002552	.03874	-.00530
AUG	22	41916	-.02454	.32256	.099695	.002463	.03887	-.00542
AUG	23	41917	-.02294	.32276	.097242	.002460	.03912	-.00548
AUG	24	41918	-.02134	.32296	.094731	.002559	.03941	-.00547
AUG	25	41919	-.01974	.32326	.092082	.002749	.03967	-.00541
AUG	26	41920	-.01804	.32346	.089227	.002967	.03983	-.00529
AUG	27	41921	-.01643	.32377	.086154	.003179	.03985	-.00514
AUG	28	41922	-.01473	.32407	.082894	.003316	.03970	-.00499
AUG	29	41923	-.01303	.32437	.079561	.003331	.03940	-.00487
AUG	30	41924	-.01143	.32457	.076270	.003235	.03900	-.00480
AUG	31	41925	-.00973	.32487	.073107	.003070	.03858	-.00480
SEP	1	41926	-.00803	.32527	.070150	.002851	.03820	-.00486
SEP	2	41927	-.00623	.32557	.067392	.002649	.03794	-.00497
SEP	3	41928	-.00453	.32587	.064830	.002474	.03785	-.00511
SEP	4	41929	-.00283	.32617	.062418	.002351	.03792	-.00524
SEP	5	41930	-.00103	.32657	.060098	.002288	.03814	-.00533
SEP	6	41931	.00067	.32687	.057821	.002288	.03845	-.00537
SEP	7	41932	.00247	.32717	.055512	.002350	.03879	-.00534
SEP	8	41933	.00427	.32747	.053115	.002453	.03907	-.00525

SEP	9	41934	.00597	.32787	.050584	.002612	.03922	-.00511
SEP	10	41935	.00777	.32817	.047887	.002783	.03923	-.00495
SEP	11	41936	.00957	.32847	.045022	.002942	.03906	-.00481
SEP	12	41937	.01137	.32877	.042006	.003069	.03877	-.00470
SEP	13	41938	.01317	.32897	.038905	.003129	.03840	-.00465
SEP	14	41939	.01497	.32927	.035785	.003107	.03803	-.00466
SEP	15	41940	.01677	.32947	.032728	.003005	.03773	-.00474
SEP	16	41941	.01857	.32977	.029793	.002859	.03757	-.00486
SEP	17	41942	.02037	.32987	.027003	.002705	.03757	-.00499
SEP	18	41943	.02217	.33007	.024360	.002601	.03774	-.00510
SEP	19	41944	.02397	.33017	.021784	.002568	.03805	-.00517
SEP	20	41945	.02577	.33027	.019181	.002643	.03842	-.00518
SEP	21	41946	.02757	.33027	.016468	.002797	.03879	-.00512
SEP	22	41947	.02927	.33027	.013569	.003017	.03907	-.00501
SEP	23	41948	.03097	.33027	.010441	.003235	.03922	-.00485
SEP	24	41949	.03277	.33017	.007105	.003417	.03921	-.00469
SEP	25	41950	.03447	.33007	.003626	.003512	.03904	-.00454
SEP	26	41951	.03617	.32987	.000114	.003494	.03875	-.00445
SEP	27	41952	.03777	.32967	-.003341	.003393	.03842	-.00441
SEP	28	41953	.03947	.32937	-.006642	.003215	.03810	-.00444
SEP	29	41954	.04107	.32897	-.009774	.003031	.03788	-.00453
SEP	30	41955	.04267	.32857	-.012722	.002869	.03782	-.00464
OCT	1	41956	.04427	.32817	-.015519	.002745	.03792	-.00477
OCT	2	41957	.04577	.32767	-.018221	.002669	.03818	-.00486
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OCT	4	41959	.04888	.32648	-.023563	.002705	.03896	-.00488
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OCT	6	41961	.05178	.32508	-.029162	.002931	.03963	-.00465
OCT	7	41962	.05318	.32438	-.032174	.003086	.03976	-.00449
OCT	8	41963	.05458	.32358	-.035343	.003251	.03972	-.00432
OCT	9	41964	.05588	.32268	-.038658	.003381	.03954	-.00418
OCT	10	41965	.05728	.32178	-.042078	.003458	.03926	-.00409
OCT	11	41966	.05858	.32088	-.045547	.003459	.03895	-.00407
OCT	12	41967	.05978	.31998	-.048965	.003384	.03870	-.00411
OCT	13	41968	.06108	.31898	-.052281	.003227	.03856	-.00421
OCT	14	41969	.06228	.31798	-.055418	.003046	.03857	-.00432
OCT	15	41970	.06348	.31688	-.058380	.002887	.03876	-.00443
OCT	16	41971	.06458	.31588	-.061216	.002811	.03909	-.00450
OCT	17	41972	.06578	.31478	-.064025	.002824	.03951	-.00451
OCT	18	41973	.06688	.31368	-.066907	.002942	.03995	-.00446
OCT	19	41974	.06788	.31258	-.069939	.003119	.04033	-.00434
OCT	20	41975	.06898	.31138	-.073149	.003309	.04059	-.00418
OCT	21	41976	.06998	.31028	-.076555	.003475	.04068	-.00400
OCT	22	41977	.07098	.30918	-.080076	.003572	.04062	-.00383
OCT	23	41978	.07198	.30798	-.083660	.003572	.04042	-.00370
OCT	24	41979	.07288	.30688	-.087202	.003498	.04014	-.00363
OCT	25	41980	.07378	.30568	-.090645	.003361	.03986	-.00363
OCT	26	41981	.07468	.30458	-.093923	.003193	.03965	-.00368
OCT	27	41982	.07548	.30338	-.097033	.003030	.03957	-.00378
OCT	28	41983	.07628	.30228	-.099986	.002893	.03967	-.00388
OCT	29	41984	.07708	.30118	-.102837	.002809	.03992	-.00398
OCT	30	41985	.07788	.30008	-.105624	.002787	.04030	-.00402
OCT	31	41986	.07858	.29898	-.108421	.002825	.04075	-.00401

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NOV	24	42010	.09339	.27709	-.191265	.002849	.04190	-.00277
NOV	25	42011	.09409	.27629	-.194035	.002703	.04209	-.00286
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NOV	28	42014	.09619	.27389	-.201924	.002635	.04329	-.00288
NOV	29	42015	.09689	.27309	-.204601	.002725	.04367	-.00276
NOV	30	42016	.09759	.27229	-.207382	.002841	.04392	-.00260
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DEC	3	42019	.09979	.26969	-.216493	.003213	.04371	-.00212
DEC	4	42020	.10059	.26879	-.219742	.003279	.04342	-.00205
DEC	5	42021	.10129	.26789	-.223021	.003286	.04312	-.00205
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DEC	7	42023	.10279	.26589	-.229451	.003114	.04281	-.00221
DEC	8	42024	.10359	.26489	-.232490	.002964	.04288	-.00232
DEC	9	42025	.10429	.26379	-.235396	.002848	.04311	-.00242
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DEC	12	42028	.10639	.26039	-.243995	.003029	.04430	-.00240
DEC	13	42029	.10709	.25909	-.247131	.003236	.04463	-.00227
DEC	14	42030	.10779	.25789	-.250460	.003410	.04481	-.00211
DEC	15	42031	.10840	.25660	-.253916	.003497	.04482	-.00194
DEC	16	42032	.10910	.25520	-.257428	.003492	.04467	-.00179
DEC	17	42033	.10960	.25380	-.260869	.003385	.04440	-.00169
DEC	18	42034	.11020	.25240	-.264179	.003218	.04408	-.00166
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DEC	21	42037	.11170	.24800	-.272875	.002593	.04353	-.00190
DEC	22	42038	.11210	.24640	-.275386	.002437	.04364	-.00203
DEC	23	42039	.11250	.24490	-.277767	.002325	.04390	-.00213

DEC	24	42040	.11280	.24330	-.280067	.002273	.04427	-.00217
DEC	25	42041	.11310	.24160	-.282343	.002298	.04468	-.00216
DEC	26	42042	.11330	.24000	-.284667	.002368	.04505	-.00208
DEC	27	42043	.11350	.23840	-.287088	.002466	.04531	-.00196
DEC	28	42044	.11360	.23670	-.289613	.002585	.04542	-.00180
DEC	29	42045	.11370	.23510	-.292265	.002705	.04536	-.00165
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DEC	31	42047	.11360	.23180	-.297832	.002856	.04484	-.00147