

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	
(0h UTC)		"	"	s	s	"	"	
YEAR ==> 1986								
JAN	1	46431	.18488	.16964	.312759	.001316	.00070	.00385
JAN	2	46432	.18292	.16783	.311341	.001521	.00087	.00381
JAN	3	46433	.18115	.16608	.309743	.001668	.00060	.00391
JAN	4	46434	.17952	.16441	.308042	.001722	.00017	.00384
JAN	5	46435	.17768	.16237	.306342	.001655	-.00045	.00372
JAN	6	46436	.17572	.16035	.304769	.001472	-.00091	.00368
JAN	7	46437	.17365	.15852	.303417	.001225	-.00100	.00354
JAN	8	46438	.17150	.15691	.302312	.000999	-.00075	.00353
JAN	9	46439	.16935	.15537	.301387	.000878	-.00020	.00390
JAN	10	46440	.16722	.15369	.300512	.000895	.00046	.00380
JAN	11	46441	.16502	.15180	.299553	.001041	.00107	.00397
JAN	12	46442	.16279	.14974	.298403	.001270	.00127	.00400
JAN	13	46443	.16069	.14763	.297009	.001518	.00120	.00394
JAN	14	46444	.15889	.14556	.295383	.001717	.00077	.00398
JAN	15	46445	.15731	.14352	.293601	.001824	.00050	.00428
JAN	16	46446	.15571	.14158	.291764	.001826	.00024	.00432
JAN	17	46447	.15384	.13980	.289972	.001743	-.00012	.00429
JAN	18	46448	.15154	.13818	.288297	.001599	-.00072	.00431
JAN	19	46449	.14876	.13665	.286785	.001426	-.00119	.00428
JAN	20	46450	.14565	.13525	.285449	.001256	-.00149	.00423
JAN	21	46451	.14243	.13400	.284271	.001111	-.00163	.00410
JAN	22	46452	.13941	.13297	.283215	.001009	-.00144	.00401
JAN	23	46453	.13674	.13211	.282234	.000962	-.00118	.00378
JAN	24	46454	.13441	.13136	.281265	.000986	-.00082	.00372
JAN	25	46455	.13225	.13062	.280233	.001083	-.00004	.00351
JAN	26	46456	.12996	.12977	.279071	.001245	.00070	.00335
JAN	27	46457	.12741	.12876	.277723	.001458	.00128	.00319
JAN	28	46458	.12467	.12765	.276147	.001702	.00149	.00322
JAN	29	46459	.12181	.12650	.274329	.001943	.00128	.00340
JAN	30	46460	.11888	.12544	.272290	.002128	.00062	.00372
JAN	31	46461	.11588	.12456	.270112	.002207	-.00003	.00397
FEB	1	46462	.11279	.12386	.267916	.002160	-.00049	.00417
FEB	2	46463	.10966	.12326	.265828	.001995	-.00071	.00423
FEB	3	46464	.10655	.12260	.263946	.001753	-.00085	.00408
FEB	4	46465	.10356	.12183	.262320	.001489	-.00065	.00396
FEB	5	46466	.10084	.12104	.260944	.001272	-.00062	.00369
FEB	6	46467	.09835	.12039	.259736	.001174	-.00055	.00359
FEB	7	46468	.09595	.11992	.258554	.001225	-.00062	.00344
FEB	8	46469	.09364	.11950	.257252	.001399	-.00068	.00325

FEB	9	46470	.09143	.11902	.255741	.001622	-.00039	.00330
FEB	10	46471	.08921	.11828	.254015	.001814	.00003	.00334
FEB	11	46472	.08690	.11732	.252137	.001931	.00040	.00335
FEB	12	46473	.08449	.11636	.250184	.001967	.00056	.00341
FEB	13	46474	.08201	.11555	.248232	.001929	.00069	.00351
FEB	14	46475	.07959	.11491	.246348	.001827	.00067	.00364
FEB	15	46476	.07730	.11453	.244595	.001661	.00065	.00362
FEB	16	46477	.07511	.11442	.243034	.001440	.00059	.00358
FEB	17	46478	.07290	.11450	.241713	.001196	.00060	.00354
FEB	18	46479	.07053	.11458	.240631	.000978	.00065	.00343
FEB	19	46480	.06788	.11455	.239739	.000826	.00080	.00328
FEB	20	46481	.06497	.11442	.238955	.000765	.00107	.00310
FEB	21	46482	.06187	.11430	.238181	.000806	.00118	.00288
FEB	22	46483	.05874	.11437	.237315	.000942	.00127	.00270
FEB	23	46484	.05553	.11455	.236271	.001157	.00110	.00255
FEB	24	46485	.05224	.11480	.234987	.001416	.00067	.00238
FEB	25	46486	.04882	.11512	.233441	.001674	-.00020	.00210
FEB	26	46487	.04531	.11546	.231663	.001872	-.00026	.00232
FEB	27	46488	.04182	.11568	.229739	.001959	-.00063	.00239
FEB	28	46489	.03854	.11560	.227795	.001910	-.00020	.00240
MAR	1	46490	.03560	.11525	.225959	.001747	-.00020	.00260
MAR	2	46491	.03290	.11493	.224324	.001516	-.00089	.00263
MAR	3	46492	.03022	.11493	.222927	.001279	-.00073	.00260
MAR	4	46493	.02747	.11528	.221742	.001094	-.00020	.00280
MAR	5	46494	.02455	.11580	.220700	.001000	-.00020	.00280
MAR	6	46495	.02141	.11639	.219699	.001015	-.00020	.00270
MAR	7	46496	.01814	.11698	.218635	.001132	.00056	.00231
MAR	8	46497	.01488	.11759	.217415	.001321	.00090	.00235
MAR	9	46498	.01176	.11821	.215992	.001526	.00107	.00239
MAR	10	46499	.00883	.11879	.214381	.001685	.00119	.00242
MAR	11	46500	.00619	.11930	.212649	.001754	.00138	.00250
MAR	12	46501	.00355	.11969	.210904	.001711	.00151	.00252
MAR	13	46502	.00075	.11995	.209257	.001565	.00166	.00237
MAR	14	46503	-.00224	.12010	.207796	.001350	.00171	.00216
MAR	15	46504	-.00527	.12020	.206569	.001109	.00169	.00193
MAR	16	46505	-.00811	.12028	.205578	.000884	.00195	.00178
MAR	17	46506	-.01057	.12054	.204793	.000702	.00246	.00156
MAR	18	46507	-.01264	.12116	.204158	.000580	.00308	.00149
MAR	19	46508	-.01453	.12202	.203610	.000531	.00365	.00139
MAR	20	46509	-.01650	.12291	.203071	.000563	.00409	.00134
MAR	21	46510	-.01865	.12368	.202455	.000694	.00432	.00136
MAR	22	46511	-.02081	.12444	.201653	.000934	.00431	.00140
MAR	23	46512	-.02277	.12537	.200564	.001264	.00403	.00144
MAR	24	46513	-.02449	.12665	.199119	.001635	.00359	.00145
MAR	25	46514	-.02619	.12822	.197309	.001975	.00296	.00141
MAR	26	46515	-.02820	.12989	.195205	.002206	.00229	.00141
MAR	27	46516	-.03067	.13133	.192950	.002266	.00166	.00134
MAR	28	46517	-.03340	.13237	.190726	.002146	.00115	.00132
MAR	29	46518	-.03613	.13306	.188695	.001893	.00089	.00118
MAR	30	46519	-.03874	.13374	.186947	.001592	.00100	.00104
MAR	31	46520	-.04120	.13474	.185490	.001326	.00146	.00073
APR	1	46521	-.04348	.13611	.184256	.001159	.00211	.00058
APR	2	46522	-.04555	.13790	.183126	.001125	.00277	.00040

APR	3	46523	-.04757	.13977	.181966	.001224	.00338	.00038
APR	4	46524	-.04966	.14151	.180655	.001420	.00367	.00060
APR	5	46525	-.05186	.14301	.179121	.001653	.00370	.00085
APR	6	46526	-.05419	.14438	.177361	.001858	.00366	.00108
APR	7	46527	-.05641	.14587	.175429	.001989	.00359	.00128
APR	8	46528	-.05832	.14763	.173412	.002024	.00353	.00142
APR	9	46529	-.05985	.14978	.171409	.001967	.00347	.00139
APR	10	46530	-.06106	.15233	.169500	.001840	.00357	.00130
APR	11	46531	-.06217	.15495	.167744	.001668	.00371	.00117
APR	12	46532	-.06329	.15747	.166170	.001484	.00401	.00103
APR	13	46533	-.06447	.15982	.164772	.001320	.00428	.00090
APR	14	46534	-.06579	.16207	.163517	.001198	.00467	.00071
APR	15	46535	-.06723	.16425	.162354	.001136	.00503	.00038
APR	16	46536	-.06861	.16624	.161221	.001139	.00529	.00012
APR	17	46537	-.06983	.16799	.160049	.001207	.00536	-.00008
APR	18	46538	-.07102	.16969	.158781	.001333	.00540	-.00025
APR	19	46539	-.07242	.17155	.157358	.001517	.00537	-.00020
APR	20	46540	-.07408	.17356	.155732	.001749	.00528	-.00008
APR	21	46541	-.07587	.17556	.153862	.002003	.00517	.00010
APR	22	46542	-.07761	.17743	.151751	.002215	.00490	.00032
APR	23	46543	-.07917	.17918	.149476	.002315	.00466	.00057
APR	24	46544	-.08059	.18090	.147178	.002250	.00440	.00066
APR	25	46545	-.08190	.18271	.145026	.002024	.00419	.00072
APR	26	46546	-.08294	.18465	.143155	.001711	.00395	.00058
APR	27	46547	-.08368	.18670	.141597	.001421	.00376	.00036
APR	28	46548	-.08422	.18879	.140279	.001239	.00379	.00029
APR	29	46549	-.08467	.19089	.139072	.001200	.00396	.00019
APR	30	46550	-.08511	.19299	.137835	.001295	.00419	.00005
MAY	1	46551	-.08551	.19520	.136455	.001483	.00453	-.00004
MAY	2	46552	-.08582	.19761	.134861	.001708	.00461	-.00020
MAY	3	46553	-.08621	.20007	.133049	.001912	.00462	-.00016
MAY	4	46554	-.08685	.20241	.131059	.002057	.00429	-.00014
MAY	5	46555	-.08777	.20452	.128962	.002121	.00395	-.00009
MAY	6	46556	-.08884	.20644	.126844	.002096	.00378	.00001
MAY	7	46557	-.08996	.20826	.124793	.001984	.00366	.00004
MAY	8	46558	-.09102	.21007	.122892	.001804	.00375	.00012
MAY	9	46559	-.09200	.21187	.121195	.001588	.00389	.00007
MAY	10	46560	-.09289	.21366	.119716	.001375	.00401	.00003
MAY	11	46561	-.09377	.21546	.118434	.001195	.00406	-.00007
MAY	12	46562	-.09461	.21731	.117308	.001062	.00411	-.00022
MAY	13	46563	-.09540	.21930	.116285	.000984	.00428	-.00030
MAY	14	46564	-.09610	.22144	.115315	.000958	.00439	-.00032
MAY	15	46565	-.09670	.22362	.114345	.000991	.00447	-.00039
MAY	16	46566	-.09721	.22584	.113311	.001093	.00440	-.00035
MAY	17	46567	-.09766	.22815	.112141	.001271	.00436	-.00041
MAY	18	46568	-.09820	.23049	.110764	.001496	.00428	-.00042
MAY	19	46569	-.09895	.23282	.109159	.001714	.00412	-.00038
MAY	20	46570	-.09985	.23523	.107367	.001859	.00386	-.00031
MAY	21	46571	-.10072	.23754	.105488	.001878	.00377	-.00020
MAY	22	46572	-.10145	.23957	.103665	.001735	.00371	.00007
MAY	23	46573	-.10201	.24124	.102058	.001450	.00371	.00032
MAY	24	46574	-.10246	.24282	.100775	.001113	.00388	.00049
MAY	25	46575	-.10286	.24453	.099809	.000845	.00378	.00031

MAY	26	46576	-.10320	.24653	.099039	.000729	.00384	-.00002
MAY	27	46577	-.10344	.24879	.098302	.000765	.00379	-.00028
MAY	28	46578	-.10356	.25119	.097471	.000900	.00377	-.00068
MAY	29	46579	-.10356	.25360	.096487	.001065	.00380	-.00095
MAY	30	46580	-.10345	.25582	.095351	.001200	.00407	-.00090
MAY	31	46581	-.10325	.25778	.094111	.001273	.00438	-.00058
JUN	1	46582	-.10296	.25962	.092833	.001271	.00437	-.00030
JUN	2	46583	-.10269	.26146	.091596	.001191	.00430	.00002
JUN	3	46584	-.10254	.26339	.090473	.001047	.00405	.00017
JUN	4	46585	-.10259	.26550	.089518	.000860	.00360	.00016
JUN	5	46586	-.10276	.26783	.088762	.000652	.00319	-.00008
JUN	6	46587	-.10286	.27032	.088214	.000450	.00275	-.00022
JUN	7	46588	-.10272	.27282	.087856	.000273	.00237	-.00034
JUN	8	46589	-.10252	.27522	.087651	.000139	.00220	-.00051
JUN	9	46590	-.10245	.27743	.087554	.000061	.00206	-.00041
JUN	10	46591	-.10227	.27938	.087505	.000049	.00190	-.00035
JUN	11	46592	-.10174	.28112	.087431	.000112	.00173	-.00024
JUN	12	46593	-.10071	.28279	.087259	.000244	.00151	.00000
JUN	13	46594	-.09923	.28452	.086928	.000435	.00112	.00015
JUN	14	46595	-.09769	.28618	.086384	.000668	.00108	.00036
JUN	15	46596	-.09620	.28792	.085598	.000914	.00094	.00051
JUN	16	46597	-.09480	.28990	.084577	.001130	.00067	.00071
JUN	17	46598	-.09346	.29211	.083374	.001259	.00045	.00084
JUN	18	46599	-.09216	.29446	.082106	.001253	.00014	.00082
JUN	19	46600	-.09087	.29683	.080911	.001109	-.00011	.00067
JUN	20	46601	-.08964	.29917	.079911	.000871	-.00029	.00053
JUN	21	46602	-.08844	.30144	.079161	.000627	-.00033	.00033
JUN	22	46603	-.08719	.30359	.078622	.000464	-.00020	.00050
JUN	23	46604	-.08583	.30564	.078182	.000436	-.00031	.00000
JUN	24	46605	-.08433	.30758	.077703	.000544	-.00021	.00008
JUN	25	46606	-.08275	.30961	.077068	.000742	-.00012	.00011
JUN	26	46607	-.08113	.31185	.076219	.000957	-.00010	.00025
JUN	27	46608	-.07948	.31430	.075175	.001119	-.00035	.00039
JUN	28	46609	-.07781	.31673	.074014	.001182	-.00073	.00048
JUN	29	46610	-.07613	.31889	.072842	.001146	-.00118	.00062
JUN	30	46611	-.07443	.32089	.071748	.001035	-.00164	.00069
JUL	1	46612	-.07274	.32298	.070789	.000878	-.00203	.00070
JUL	2	46613	-.07120	.32523	.070000	.000697	-.00239	.00077
JUL	3	46614	-.06992	.32759	.069395	.000513	-.00249	.00052
JUL	4	46615	-.06894	.32994	.068966	.000351	-.00262	.00029
JUL	5	46616	-.06801	.33217	.068678	.000232	-.00252	.00001
JUL	6	46617	-.06696	.33430	.068481	.000173	-.00225	-.00032
JUL	7	46618	-.06564	.33635	.068306	.000185	-.00180	-.00038
JUL	8	46619	-.06419	.33847	.068085	.000271	-.00123	-.00038
JUL	9	46620	-.06273	.34069	.067742	.000426	-.00090	-.00024
JUL	10	46621	-.06128	.34298	.067216	.000628	-.00073	-.00020
JUL	11	46622	-.05994	.34510	.066481	.000842	-.00093	.00003
JUL	12	46623	-.05882	.34679	.065540	.001031	-.00114	.00010
JUL	13	46624	-.05784	.34805	.064438	.001154	-.00171	.00022
JUL	14	46625	-.05671	.34920	.063262	.001177	-.00225	.00027
JUL	15	46626	-.05526	.35027	.062121	.001086	-.00290	.00026
JUL	16	46627	-.05352	.35114	.061128	.000893	-.00341	.00012
JUL	17	46628	-.05166	.35186	.060361	.000642	-.00384	.00007

JUL	18	46629	-.04979	.35261	.059847	.000400	-.00413	.00006
JUL	19	46630	-.04798	.35363	.059538	.000242	-.00440	.00009
JUL	20	46631	-.04617	.35499	.059319	.000221	-.00473	.00019
JUL	21	46632	-.04421	.35661	.059045	.000344	-.00490	.00025
JUL	22	46633	-.04197	.35840	.058593	.000569	-.00487	.00036
JUL	23	46634	-.03969	.36014	.057894	.000824	-.00479	.00041
JUL	24	46635	-.03764	.36180	.056959	.001029	-.00448	.00035
JUL	25	46636	-.03591	.36328	.055870	.001127	-.00442	.00036
JUL	26	46637	-.03441	.36457	.054742	.001109	-.00466	.00042
JUL	27	46638	-.03290	.36568	.053684	.000995	-.00523	.00041
JUL	28	46639	-.03130	.36667	.052775	.000817	-.00585	.00043
JUL	29	46640	-.02982	.36760	.052060	.000607	-.00636	.00051
JUL	30	46641	-.02857	.36857	.051564	.000381	-.00641	.00057
JUL	31	46642	-.02748	.36959	.051290	.000171	-.00629	.00053
AUG	1	46643	-.02644	.37054	.051208	.000010	-.00612	.00043
AUG	2	46644	-.02538	.37135	.051249	-.000068	-.00607	.00018
AUG	3	46645	-.02435	.37209	.051318	-.000049	-.00631	-.00020
AUG	4	46646	-.02320	.37277	.051321	.000062	-.00650	-.00032
AUG	5	46647	-.02179	.37350	.051170	.000256	-.00692	-.00029
AUG	6	46648	-.02007	.37448	.050790	.000516	-.00740	-.00014
AUG	7	46649	-.01816	.37566	.050130	.000807	-.00785	.00009
AUG	8	46650	-.01622	.37694	.049183	.001077	-.00793	.00028
AUG	9	46651	-.01449	.37808	.047996	.001271	-.00779	.00042
AUG	10	46652	-.01312	.37897	.046672	.001349	-.00755	.00059
AUG	11	46653	-.01206	.37969	.045337	.001301	-.00734	.00070
AUG	12	46654	-.01130	.38032	.044107	.001143	-.00729	.00066
AUG	13	46655	-.01048	.38123	.043076	.000904	-.00738	.00062
AUG	14	46656	-.00941	.38235	.042305	.000632	-.00751	.00059
AUG	15	46657	-.00807	.38337	.041796	.000397	-.00751	.00040
AUG	16	46658	-.00665	.38405	.041474	.000274	-.00745	.00028
AUG	17	46659	-.00525	.38448	.041201	.000306	-.00739	.00012
AUG	18	46660	-.00391	.38476	.040820	.000484	-.00743	.00012
AUG	19	46661	-.00252	.38520	.040210	.000748	-.00770	.00026
AUG	20	46662	-.00091	.38597	.039326	.001018	-.00813	.00030
AUG	21	46663	.00106	.38713	.038201	.001215	-.00863	.00053
AUG	22	46664	.00324	.38852	.036934	.001289	-.00925	.00060
AUG	23	46665	.00545	.38995	.035661	.001231	-.00982	.00052
AUG	24	46666	.00736	.39095	.034503	.001070	-.01026	.00046
AUG	25	46667	.00905	.39161	.033540	.000854	-.01051	.00036
AUG	26	46668	.01064	.39204	.032801	.000636	-.01041	.00022
AUG	27	46669	.01235	.39251	.032261	.000455	-.00994	.00007
AUG	28	46670	.01421	.39305	.031875	.000327	-.00942	-.00004
AUG	29	46671	.01617	.39361	.031587	.000257	-.00879	-.00011
AUG	30	46672	.01811	.39409	.031338	.000244	-.00842	-.00001
AUG	31	46673	.01994	.39452	.031073	.000292	-.00819	.00005
SEP	1	46674	.02160	.39496	.030729	.000405	-.00806	.00017
SEP	2	46675	.02305	.39559	.030241	.000581	-.00799	.00031
SEP	3	46676	.02442	.39637	.029555	.000802	-.00809	.00045
SEP	4	46677	.02587	.39721	.028635	.001048	-.00823	.00056
SEP	5	46678	.02748	.39804	.027476	.001274	-.00857	.00052
SEP	6	46679	.02904	.39878	.026119	.001433	-.00894	.00051
SEP	7	46680	.03050	.39933	.024654	.001490	-.00946	.00043
SEP	8	46681	.03193	.39949	.023182	.001438	-.00996	.00031

SEP	9	46682	.03335	.39923	.021808	.001289	-.01031	.00017
SEP	10	46683	.03480	.39866	.020612	.001085	-.01038	.00003
SEP	11	46684	.03633	.39797	.019625	.000879	-.01032	-.00007
SEP	12	46685	.03796	.39738	.018820	.000740	-.00987	-.00002
SEP	13	46686	.03957	.39718	.018101	.000720	-.00910	.00020
SEP	14	46687	.04110	.39737	.017336	.000838	-.00850	.00039
SEP	15	46688	.04253	.39780	.016396	.001069	-.00802	.00051
SEP	16	46689	.04379	.39832	.015190	.001362	-.00790	.00056
SEP	17	46690	.04495	.39870	.013689	.001638	-.00815	.00059
SEP	18	46691	.04609	.39879	.011946	.001826	-.00844	.00049
SEP	19	46692	.04726	.39860	.010075	.001886	-.00870	.00052
SEP	20	46693	.04854	.39831	.008210	.001819	-.00886	.00039
SEP	21	46694	.04987	.39799	.006463	.001659	-.00884	.00040
SEP	22	46695	.05119	.39771	.004903	.001451	-.00889	.00036
SEP	23	46696	.05222	.39742	.003560	.001236	-.00888	.00032
SEP	24	46697	.05300	.39704	.002419	.001061	-.00861	.00039
SEP	25	46698	.05375	.39651	.001419	.000957	-.00831	.00040
SEP	26	46699	.05463	.39579	.000481	.000938	-.00784	.00058
SEP	27	46700	.05560	.39509	-.000482	.000997	-.00739	.00062
SEP	28	46701	.05672	.39445	-.001540	.001123	-.00702	.00063
SEP	29	46702	.05807	.39377	-.002751	.001304	-.00680	.00056
SEP	30	46703	.05954	.39329	-.004164	.001531	-.00664	.00061
OCT	1	46704	.06101	.39321	-.005820	.001790	-.00674	.00073
OCT	2	46705	.06237	.39360	-.007736	.002036	-.00685	.00080
OCT	3	46706	.06358	.39422	-.009867	.002210	-.00692	.00082
OCT	4	46707	.06461	.39472	-.012113	.002256	-.00706	.00086
OCT	5	46708	.06556	.39476	-.014331	.002152	-.00701	.00085
OCT	6	46709	.06653	.39452	-.016378	.001929	-.00711	.00071
OCT	7	46710	.06761	.39420	-.018170	.001653	-.00724	.00057
OCT	8	46711	.06883	.39389	-.019693	.001400	-.00732	.00045
OCT	9	46712	.07013	.39356	-.021001	.001230	-.00739	.00039
OCT	10	46713	.07146	.39308	-.022197	.001179	-.00732	.00039
OCT	11	46714	.07274	.39241	-.023404	.001247	-.00719	.00045
OCT	12	46715	.07387	.39172	-.024722	.001403	-.00656	.00047
OCT	13	46716	.07501	.39111	-.026222	.001610	-.00589	.00071
OCT	14	46717	.07634	.39066	-.027932	.001813	-.00549	.00085
OCT	15	46718	.07792	.39042	-.029824	.001968	-.00533	.00106
OCT	16	46719	.07970	.39038	-.031834	.002040	-.00548	.00122
OCT	17	46720	.08162	.39048	-.033868	.002009	-.00624	.00131
OCT	18	46721	.08353	.39054	-.035822	.001884	-.00696	.00133
OCT	19	46722	.08525	.39041	-.037618	.001698	-.00726	.00131
OCT	20	46723	.08665	.39009	-.039215	.001499	-.00720	.00116
OCT	21	46724	.08768	.38979	-.040622	.001328	-.00668	.00113
OCT	22	46725	.08841	.38960	-.041887	.001213	-.00601	.00102
OCT	23	46726	.08903	.38940	-.043073	.001166	-.00536	.00098
OCT	24	46727	.08977	.38912	-.044244	.001176	-.00470	.00100
OCT	25	46728	.09083	.38879	-.045450	.001229	-.00439	.00099
OCT	26	46729	.09216	.38846	-.046726	.001322	-.00432	.00112
OCT	27	46730	.09340	.38832	-.048113	.001457	-.00451	.00136
OCT	28	46731	.09448	.38817	-.049652	.001633	-.00486	.00149
OCT	29	46732	.09536	.38774	-.051377	.001829	-.00514	.00169
OCT	30	46733	.09638	.38707	-.053295	.002009	-.00550	.00182
OCT	31	46734	.09768	.38627	-.055364	.002115	-.00556	.00189

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NOV	2	46736	.10120	.38454	-.059487	.001902	-.00500	.00186
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NOV	27	46761	.12232	.35662	-.092839	.001899	-.00175	.00290
NOV	28	46762	.12273	.35545	-.094762	.001926	-.00237	.00313
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NOV	30	46764	.12433	.35281	-.098351	.001578	-.00320	.00316
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DEC	2	46766	.12667	.34959	-.100920	.001016	-.00321	.00292
DEC	3	46767	.12812	.34807	-.101851	.000875	-.00295	.00278
DEC	4	46768	.12969	.34675	-.102723	.000895	-.00259	.00270
DEC	5	46769	.13127	.34554	-.103688	.001055	-.00239	.00269
DEC	6	46770	.13276	.34433	-.104859	.001289	-.00222	.00272
DEC	7	46771	.13413	.34303	-.106264	.001516	-.00201	.00276
DEC	8	46772	.13536	.34164	-.107868	.001677	-.00176	.00290
DEC	9	46773	.13645	.34021	-.109584	.001740	-.00155	.00299
DEC	10	46774	.13739	.33879	-.111312	.001700	-.00131	.00302
DEC	11	46775	.13812	.33739	-.112955	.001571	-.00147	.00309
DEC	12	46776	.13868	.33595	-.114436	.001378	-.00175	.00299
DEC	13	46777	.13918	.33441	-.115701	.001148	-.00210	.00296
DEC	14	46778	.13966	.33277	-.116732	.000916	-.00228	.00281
DEC	15	46779	.14008	.33108	-.117544	.000719	-.00230	.00268
DEC	16	46780	.14042	.32940	-.118190	.000592	-.00229	.00260
DEC	17	46781	.14070	.32788	-.118750	.000553	-.00203	.00258
DEC	18	46782	.14097	.32665	-.119321	.000613	-.00168	.00273
DEC	19	46783	.14129	.32575	-.120000	.000761	-.00131	.00283
DEC	20	46784	.14176	.32513	-.120862	.000972	-.00099	.00307
DEC	21	46785	.14240	.32462	-.121955	.001218	-.00064	.00321
DEC	22	46786	.14315	.32393	-.123302	.001465	-.00035	.00333
DEC	23	46787	.14386	.32294	-.124879	.001671	-.00017	.00351

DEC	24	46788	.14438	.32172	-.126627	.001805	-.00020	.00320
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DEC	26	46790	.14465	.31905	-.130299	.001807	-.00132	.00345
DEC	27	46791	.14466	.31782	-.132037	.001664	-.00181	.00321
DEC	28	46792	.14472	.31673	-.133599	.001458	-.00223	.00296
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