

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 ==> 1994								
JAN	1	49353	.00996	.47639	.199584	.002617	-.01632	-.00382
JAN	2	49354	.01272	.47666	.196892	.002755	-.01629	-.00359
JAN	3	49355	.01527	.47722	.194097	.002821	-.01639	-.00331
JAN	4	49356	.01780	.47785	.191278	.002800	-.01685	-.00298
JAN	5	49357	.02087	.47856	.188523	.002692	-.01740	-.00272
JAN	6	49358	.02397	.47930	.185912	.002510	-.01807	-.00262
JAN	7	49359	.02673	.47985	.183510	.002294	-.01860	-.00266
JAN	8	49360	.02943	.48015	.181317	.002106	-.01907	-.00270
JAN	9	49361	.03200	.48023	.179278	.001998	-.01927	-.00283
JAN	10	49362	.03427	.48011	.177298	.001975	-.01925	-.00290
JAN	11	49363	.03625	.47994	.175305	.002020	-.01889	-.00292
JAN	12	49364	.03832	.47977	.173241	.002116	-.01824	-.00286
JAN	13	49365	.04080	.47953	.171068	.002248	-.01789	-.00266
JAN	14	49366	.04344	.47907	.168752	.002349	-.01779	-.00262
JAN	15	49367	.04608	.47873	.166381	.002359	-.01776	-.00257
JAN	16	49368	.04853	.47889	.164047	.002327	-.01778	-.00266
JAN	17	49369	.05086	.47920	.161739	.002288	-.01791	-.00279
JAN	18	49370	.05264	.47913	.159482	.002225	-.01808	-.00289
JAN	19	49371	.05427	.47876	.157296	.002141	-.01831	-.00295
JAN	20	49372	.05607	.47837	.155204	.002041	-.01844	-.00307
JAN	21	49373	.05796	.47778	.153213	.001959	-.01841	-.00321
JAN	22	49374	.06004	.47668	.151277	.001924	-.01832	-.00325
JAN	23	49375	.06244	.47595	.149353	.001919	-.01817	-.00326
JAN	24	49376	.06507	.47605	.147422	.001944	-.01813	-.00332
JAN	25	49377	.06783	.47641	.145445	.002017	-.01806	-.00341
JAN	26	49378	.07058	.47593	.143368	.002161	-.01794	-.00363
JAN	27	49379	.07337	.47523	.141107	.002366	-.01784	-.00391
JAN	28	49380	.07646	.47457	.138631	.002583	-.01769	-.00397
JAN	29	49381	.07906	.47379	.135951	.002755	-.01772	-.00393
JAN	30	49382	.08140	.47284	.133144	.002825	-.01798	-.00363
JAN	31	49383	.08393	.47180	.130333	.002805	-.01833	-.00338
FEB	1	49384	.08665	.47081	.127566	.002697	-.01870	-.00320
FEB	2	49385	.08957	.47004	.124961	.002498	-.01890	-.00328
FEB	3	49386	.09270	.46946	.122579	.002291	-.01888	-.00331
FEB	4	49387	.09554	.46892	.120374	.002122	-.01900	-.00356
FEB	5	49388	.09775	.46814	.118316	.001985	-.01915	-.00369
FEB	6	49389	.09966	.46718	.116380	.001896	-.01937	-.00379
FEB	7	49390	.10161	.46633	.114501	.001913	-.01941	-.00392
FEB	8	49391	.10366	.46549	.112535	.002034	-.01925	-.00389

FEB	9	49392	.10565	.46451	.110424	.002149	-.01876	-.00400
FEB	10	49393	.10783	.46353	.108238	.002238	-.01821	-.00416
FEB	11	49394	.10992	.46243	.105959	.002324	-.01772	-.00422
FEB	12	49395	.11144	.46126	.103604	.002349	-.01749	-.00419
FEB	13	49396	.11294	.46007	.101276	.002332	-.01769	-.00400
FEB	14	49397	.11480	.45915	.098955	.002338	-.01826	-.00398
FEB	15	49398	.11689	.45813	.096610	.002289	-.01881	-.00412
FEB	16	49399	.11884	.45687	.094381	.002176	-.01908	-.00452
FEB	17	49400	.12096	.45577	.092258	.002107	-.01860	-.00466
FEB	18	49401	.12292	.45440	.090163	.002064	-.01786	-.00451
FEB	19	49402	.12450	.45261	.088119	.002011	-.01726	-.00413
FEB	20	49403	.12648	.45093	.086127	.002009	-.01705	-.00370
FEB	21	49404	.12891	.44986	.084083	.002090	-.01708	-.00362
FEB	22	49405	.13138	.44939	.081925	.002252	-.01754	-.00396
FEB	23	49406	.13440	.44907	.079558	.002483	-.01829	-.00485
FEB	24	49407	.13702	.44884	.076945	.002745	-.01899	-.00571
FEB	25	49408	.13882	.44865	.074069	.003010	-.01946	-.00617
FEB	26	49409	.14027	.44787	.070942	.003234	-.01958	-.00615
FEB	27	49410	.14120	.44690	.067631	.003366	-.01941	-.00599
FEB	28	49411	.14210	.44622	.064248	.003374	-.01918	-.00569
MAR	1	49412	.14335	.44509	.060915	.003252	-.01881	-.00535
MAR	2	49413	.14441	.44330	.057760	.003051	-.01844	-.00507
MAR	3	49414	.14520	.44142	.054812	.002861	-.01821	-.00501
MAR	4	49415	.14646	.43966	.052022	.002700	-.01821	-.00505
MAR	5	49416	.14744	.43800	.049387	.002557	-.01817	-.00516
MAR	6	49417	.14800	.43612	.046884	.002473	-.01813	-.00522
MAR	7	49418	.14910	.43440	.044423	.002470	-.01806	-.00531
MAR	8	49419	.15029	.43281	.041932	.002527	-.01794	-.00553
MAR	9	49420	.15105	.43106	.039367	.002606	-.01794	-.00571
MAR	10	49421	.15210	.42935	.036725	.002674	-.01810	-.00576
MAR	11	49422	.15324	.42762	.034030	.002697	-.01832	-.00573
MAR	12	49423	.15445	.42571	.031346	.002651	-.01839	-.00573
MAR	13	49424	.15611	.42375	.028742	.002557	-.01844	-.00568
MAR	14	49425	.15775	.42233	.026242	.002448	-.01830	-.00580
MAR	15	49426	.15884	.42138	.023853	.002334	-.01780	-.00589
MAR	16	49427	.16030	.42000	.021577	.002243	-.01738	-.00611
MAR	17	49428	.16211	.41825	.019365	.002193	-.01740	-.00646
MAR	18	49429	.16309	.41668	.017183	.002154	-.01794	-.00679
MAR	19	49430	.16359	.41523	.015044	.002111	-.01826	-.00709
MAR	20	49431	.16407	.41380	.012944	.002119	-.01810	-.00702
MAR	21	49432	.16441	.41226	.010788	.002215	-.01744	-.00689
MAR	22	49433	.16473	.41037	.008494	.002373	-.01686	-.00669
MAR	23	49434	.16473	.40841	.006025	.002569	-.01680	-.00656
MAR	24	49435	.16516	.40627	.003347	.002811	-.01712	-.00651
MAR	25	49436	.16641	.40454	.000410	.003059	-.01720	-.00649
MAR	26	49437	.16758	.40315	-.002749	.003231	-.01720	-.00650
MAR	27	49438	.16858	.40128	-.006017	.003269	-.01716	-.00648
MAR	28	49439	.16969	.39940	-.009248	.003164	-.01722	-.00653
MAR	29	49440	.17044	.39760	-.012315	.002952	-.01718	-.00663
MAR	30	49441	.17092	.39516	-.015141	.002714	-.01720	-.00676
MAR	31	49442	.17191	.39307	-.017754	.002526	-.01726	-.00691
APR	1	49443	.17338	.39141	-.020216	.002403	-.01716	-.00713
APR	2	49444	.17514	.38990	-.022586	.002362	-.01714	-.00721

APR	3	49445	.17677	.38827	-.024961	.002402	-.01707	-.00732
APR	4	49446	.17813	.38650	-.027401	.002460	-.01703	-.00746
APR	5	49447	.17903	.38468	-.029883	.002498	-.01709	-.00745
APR	6	49448	.17984	.38303	-.032395	.002548	-.01709	-.00741
APR	7	49449	.18110	.38189	-.034972	.002601	-.01696	-.00737
APR	8	49450	.18201	.37984	-.037586	.002627	-.01689	-.00735
APR	9	49451	.18244	.37746	-.040213	.002622	-.01682	-.00739
APR	10	49452	.18302	.37539	-.042819	.002589	-.01679	-.00739
APR	11	49453	.18353	.37407	-.045383	.002525	-.01672	-.00755
APR	12	49454	.18373	.37266	-.047865	.002422	-.01654	-.00777
APR	13	49455	.18336	.37120	-.050228	.002303	-.01671	-.00781
APR	14	49456	.18310	.36893	-.052477	.002205	-.01751	-.00775
APR	15	49457	.18339	.36659	-.054648	.002127	-.01856	-.00766
APR	16	49458	.18383	.36446	-.056746	.002097	-.01942	-.00742
APR	17	49459	.18362	.36230	-.058858	.002132	-.01975	-.00740
APR	18	49460	.18366	.36059	-.061029	.002231	-.01933	-.00733
APR	19	49461	.18385	.35911	-.063336	.002396	-.01794	-.00741
APR	20	49462	.18393	.35724	-.065834	.002574	-.01600	-.00756
APR	21	49463	.18419	.35562	-.068489	.002751	-.01442	-.00772
APR	22	49464	.18408	.35418	-.071326	.002941	-.01359	-.00762
APR	23	49465	.18354	.35254	-.074346	.003096	-.01354	-.00758
APR	24	49466	.18327	.35074	-.077482	.003147	-.01401	-.00750
APR	25	49467	.18306	.34909	-.080606	.003071	-.01471	-.00749
APR	26	49468	.18269	.34682	-.083601	.002900	-.01578	-.00762
APR	27	49469	.18277	.34402	-.086402	.002683	-.01669	-.00776
APR	28	49470	.18306	.34124	-.088984	.002509	-.01704	-.00790
APR	29	49471	.18317	.33852	-.091447	.002439	-.01685	-.00789
APR	30	49472	.18339	.33618	-.093888	.002451	-.01649	-.00792
MAY	1	49473	.18363	.33417	-.096365	.002509	-.01633	-.00799
MAY	2	49474	.18414	.33197	-.098909	.002572	-.01645	-.00799
MAY	3	49475	.18495	.32998	-.101504	.002612	-.01660	-.00806
MAY	4	49476	.18556	.32806	-.104126	.002631	-.01692	-.00811
MAY	5	49477	.18559	.32589	-.106756	.002636	-.01720	-.00798
MAY	6	49478	.18548	.32363	-.109388	.002610	-.01740	-.00790
MAY	7	49479	.18550	.32149	-.111965	.002531	-.01757	-.00778
MAY	8	49480	.18607	.31897	-.114440	.002451	-.01772	-.00783
MAY	9	49481	.18674	.31625	-.116861	.002376	-.01778	-.00793
MAY	10	49482	.18732	.31367	-.119194	.002275	-.01771	-.00807
MAY	11	49483	.18802	.31192	-.121418	.002186	-.01736	-.00831
MAY	12	49484	.18882	.31041	-.123576	.002151	-.01696	-.00853
MAY	13	49485	.18967	.30860	-.125732	.002154	-.01674	-.00851
MAY	14	49486	.18957	.30625	-.127899	.002175	-.01677	-.00832
MAY	15	49487	.18883	.30381	-.130099	.002229	-.01703	-.00806
MAY	16	49488	.18814	.30149	-.132372	.002319	-.01728	-.00785
MAY	17	49489	.18787	.29991	-.134748	.002439	-.01709	-.00801
MAY	18	49490	.18757	.29794	-.137255	.002572	-.01666	-.00817
MAY	19	49491	.18729	.29585	-.139888	.002691	-.01649	-.00835
MAY	20	49492	.18724	.29362	-.142620	.002763	-.01663	-.00839
MAY	21	49493	.18692	.29170	-.145387	.002758	-.01699	-.00819
MAY	22	49494	.18638	.29006	-.148106	.002668	-.01722	-.00796
MAY	23	49495	.18554	.28869	-.150697	.002511	-.01734	-.00777
MAY	24	49496	.18420	.28726	-.153116	.002315	-.01751	-.00772
MAY	25	49497	.18294	.28557	-.155334	.002092	-.01761	-.00786

MAY	26	49498	.18154	.28349	-.157321	.001956	-.01776	-.00806
MAY	27	49499	.18008	.28112	-.159272	.001917	-.01781	-.00822
MAY	28	49500	.17879	.27883	-.161175	.001897	-.01795	-.00830
MAY	29	49501	.17784	.27680	-.163075	.001915	-.01803	-.00833
MAY	30	49502	.17692	.27437	-.165002	.001957	-.01813	-.00830
MAY	31	49503	.17556	.27175	-.166980	.002013	-.01820	-.00816
JUN	1	49504	.17448	.26949	-.169016	.002043	-.01803	-.00812
JUN	2	49505	.17372	.26737	-.171055	.002005	-.01760	-.00792
JUN	3	49506	.17273	.26528	-.173015	.001912	-.01725	-.00788
JUN	4	49507	.17150	.26334	-.174871	.001810	-.01741	-.00781
JUN	5	49508	.17038	.26171	-.176629	.001714	-.01811	-.00789
JUN	6	49509	.16917	.26006	-.178296	.001606	-.01888	-.00802
JUN	7	49510	.16767	.25823	-.179846	.001494	-.01949	-.00817
JUN	8	49511	.16637	.25642	-.181294	.001411	-.01984	-.00830
JUN	9	49512	.16584	.25429	-.182681	.001375	-.01985	-.00849
JUN	10	49513	.16501	.25235	-.184060	.001405	-.01959	-.00852
JUN	11	49514	.16382	.25051	-.185506	.001493	-.01933	-.00858
JUN	12	49515	.16262	.24837	-.187062	.001620	-.01915	-.00859
JUN	13	49516	.16176	.24588	-.188757	.001771	-.01920	-.00856
JUN	14	49517	.16089	.24355	-.190609	.001935	-.01942	-.00851
JUN	15	49518	.16015	.24132	-.192623	.002065	-.01970	-.00838
JUN	16	49519	.15955	.23962	-.194724	.002115	-.01991	-.00810
JUN	17	49520	.15892	.23811	-.196831	.002116	-.02008	-.00778
JUN	18	49521	.15782	.23646	-.198932	.002077	-.02023	-.00753
JUN	19	49522	.15629	.23457	-.200962	.001936	-.02049	-.00733
JUN	20	49523	.15463	.23260	-.202790	.001716	-.02071	-.00727
JUN	21	49524	.15298	.23054	-.204395	.001504	-.02106	-.00741
JUN	22	49525	.15139	.22799	-.205812	.001344	-.02135	-.00753
JUN	23	49526	.14997	.22567	-.207108	.001250	-.02143	-.00751
JUN	24	49527	.14845	.22378	-.208334	.001204	-.02136	-.00712
JUN	25	49528	.14689	.22197	-.209532	.001209	-.02132	-.00686
JUN	26	49529	.14525	.22013	-.210755	.001271	-.02128	-.00685
JUN	27	49530	.14337	.21845	-.212065	.001345	-.02159	-.00711
JUN	28	49531	.14173	.21673	-.213429	.001366	-.02197	-.00746
JUN	29	49532	.14011	.21500	-.214782	.001303	-.02240	-.00765
JUN	30	49533	.13835	.21376	-.216023	.001180	-.02253	-.00779
JUL	1	49534	.13673	.21235	.782865	.001090	-.02270	-.00789
JUL	2	49535	.13528	.21099	.781803	.001047	-.02283	-.00786
JUL	3	49536	.13346	.20973	.780773	.001015	-.02305	-.00788
JUL	4	49537	.13147	.20844	.779771	.000976	-.02341	-.00782
JUL	5	49538	.12954	.20697	.778815	.000924	-.02370	-.00776
JUL	6	49539	.12760	.20550	.777911	.000883	-.02395	-.00777
JUL	7	49540	.12583	.20388	.777035	.000877	-.02401	-.00772
JUL	8	49541	.12432	.20225	.776140	.000963	-.02414	-.00780
JUL	9	49542	.12262	.20089	.775093	.001142	-.02413	-.00783
JUL	10	49543	.12066	.19966	.773843	.001334	-.02423	-.00780
JUL	11	49544	.11883	.19857	.772419	.001529	-.02440	-.00776
JUL	12	49545	.11702	.19752	.770789	.001730	-.02453	-.00752
JUL	13	49546	.11544	.19639	.768973	.001862	-.02470	-.00742
JUL	14	49547	.11370	.19520	.767089	.001911	-.02516	-.00738
JUL	15	49548	.11187	.19381	.765174	.001917	-.02592	-.00761
JUL	16	49549	.10991	.19245	.763275	.001840	-.02652	-.00769
JUL	17	49550	.10802	.19121	.761507	.001753	-.02659	-.00752

JUL	18	49551	.10621	.18973	.759772	.001661	-.02619	-.00727
JUL	19	49552	.10413	.18786	.758176	.001487	-.02603	-.00740
JUL	20	49553	.10218	.18579	.756779	.001310	-.02624	-.00789
JUL	21	49554	.10043	.18383	.755535	.001256	-.02628	-.00812
JUL	22	49555	.09837	.18253	.754248	.001317	-.02602	-.00798
JUL	23	49556	.09626	.18125	.752891	.001406	-.02584	-.00779
JUL	24	49557	.09459	.17998	.751439	.001455	-.02570	-.00765
JUL	25	49558	.09309	.17892	.749995	.001493	-.02582	-.00761
JUL	26	49559	.09113	.17795	.748470	.001581	-.02611	-.00758
JUL	27	49560	.08894	.17704	.746848	.001587	-.02662	-.00760
JUL	28	49561	.08667	.17645	.745309	.001484	-.02718	-.00768
JUL	29	49562	.08450	.17589	.743890	.001383	-.02753	-.00773
JUL	30	49563	.08259	.17534	.742547	.001323	-.02769	-.00753
JUL	31	49564	.08076	.17469	.741241	.001278	-.02781	-.00717
AUG	1	49565	.07878	.17400	.739983	.001207	-.02765	-.00702
AUG	2	49566	.07699	.17352	.738816	.001119	-.02765	-.00704
AUG	3	49567	.07510	.17329	.737731	.001081	-.02792	-.00741
AUG	4	49568	.07354	.17322	.736637	.001137	-.02835	-.00811
AUG	5	49569	.07166	.17311	.735439	.001275	-.02872	-.00856
AUG	6	49570	.06994	.17289	.734072	.001441	-.02878	-.00875
AUG	7	49571	.06846	.17248	.732548	.001558	-.02849	-.00840
AUG	8	49572	.06690	.17191	.730957	.001650	-.02827	-.00786
AUG	9	49573	.06558	.17169	.729262	.001753	-.02820	-.00745
AUG	10	49574	.06446	.17174	.727474	.001802	-.02854	-.00719
AUG	11	49575	.06325	.17168	.725687	.001767	-.02911	-.00729
AUG	12	49576	.06171	.17170	.723968	.001669	-.02953	-.00746
AUG	13	49577	.05977	.17173	.722364	.001520	-.02955	-.00748
AUG	14	49578	.05734	.17124	.720929	.001346	-.02921	-.00742
AUG	15	49579	.05465	.17053	.719664	.001221	-.02890	-.00746
AUG	16	49580	.05194	.16979	.718469	.001195	-.02885	-.00757
AUG	17	49581	.04956	.16912	.717250	.001234	-.02900	-.00782
AUG	18	49582	.04768	.16885	.715981	.001302	-.02923	-.00800
AUG	19	49583	.04591	.16890	.714633	.001403	-.02922	-.00812
AUG	20	49584	.04337	.16901	.713173	.001519	-.02913	-.00810
AUG	21	49585	.04020	.16913	.711602	.001642	-.02900	-.00795
AUG	22	49586	.03706	.16922	.709906	.001747	-.02903	-.00772
AUG	23	49587	.03374	.16900	.708125	.001793	-.02911	-.00762
AUG	24	49588	.03073	.16869	.706334	.001769	-.02926	-.00748
AUG	25	49589	.02840	.16825	.704599	.001702	-.02953	-.00751
AUG	26	49590	.02669	.16809	.702936	.001628	-.02992	-.00769
AUG	27	49591	.02515	.16846	.701341	.001561	-.03009	-.00793
AUG	28	49592	.02337	.16878	.699809	.001500	-.02999	-.00797
AUG	29	49593	.02131	.16905	.698333	.001447	-.02983	-.00800
AUG	30	49594	.01873	.16948	.696900	.001427	-.02994	-.00799
AUG	31	49595	.01617	.17000	.695463	.001464	-.03017	-.00792
SEP	1	49596	.01356	.17046	.693955	.001550	-.03022	-.00798
SEP	2	49597	.01092	.17083	.692346	.001680	-.03024	-.00809
SEP	3	49598	.00862	.17107	.690580	.001879	-.03030	-.00815
SEP	4	49599	.00665	.17130	.688582	.002119	-.03023	-.00810
SEP	5	49600	.00467	.17182	.686348	.002338	-.03021	-.00798
SEP	6	49601	.00236	.17262	.683927	.002483	-.03022	-.00770
SEP	7	49602	-.00042	.17355	.681413	.002537	-.03029	-.00728
SEP	8	49603	-.00342	.17447	.678885	.002532	-.03044	-.00693

SEP	9	49604	-.00629	.17523	.676373	.002504	-.03059	-.00684
SEP	10	49605	-.00868	.17598	.673886	.002437	-.03071	-.00697
SEP	11	49606	-.01073	.17703	.671492	.002310	-.03055	-.00722
SEP	12	49607	-.01294	.17821	.669248	.002200	-.03034	-.00754
SEP	13	49608	-.01540	.17917	.667069	.002183	-.03012	-.00761
SEP	14	49609	-.01843	.17995	.664861	.002230	-.03005	-.00771
SEP	15	49610	-.02168	.18076	.662596	.002318	-.02991	-.00766
SEP	16	49611	-.02485	.18150	.660219	.002453	-.02968	-.00754
SEP	17	49612	-.02792	.18226	.657694	.002574	-.02939	-.00740
SEP	18	49613	-.03055	.18303	.655083	.002624	-.02927	-.00716
SEP	19	49614	-.03291	.18384	.652461	.002610	-.02931	-.00705
SEP	20	49615	-.03538	.18494	.649881	.002554	-.02974	-.00699
SEP	21	49616	-.03816	.18619	.647366	.002484	-.03041	-.00709
SEP	22	49617	-.04105	.18740	.644920	.002391	-.03064	-.00706
SEP	23	49618	-.04382	.18842	.642585	.002259	-.03035	-.00708
SEP	24	49619	-.04679	.18934	.640399	.002115	-.03021	-.00702
SEP	25	49620	-.04945	.19058	.638346	.002012	-.03010	-.00716
SEP	26	49621	-.05218	.19209	.636364	.001955	-.03014	-.00737
SEP	27	49622	-.05495	.19343	.634421	.001938	-.03009	-.00752
SEP	28	49623	-.05771	.19457	.632471	.001961	-.02993	-.00770
SEP	29	49624	-.06037	.19599	.630484	.002020	-.02982	-.00782
SEP	30	49625	-.06302	.19765	.628416	.002152	-.02973	-.00800
OCT	1	49626	-.06531	.19933	.626169	.002350	-.02970	-.00805
OCT	2	49627	-.06722	.20098	.623712	.002525	-.02974	-.00802
OCT	3	49628	-.06915	.20271	.621129	.002663	-.02961	-.00772
OCT	4	49629	-.07117	.20461	.618409	.002786	-.02947	-.00738
OCT	5	49630	-.07355	.20649	.615589	.002845	-.02913	-.00691
OCT	6	49631	-.07635	.20808	.612752	.002800	-.02893	-.00680
OCT	7	49632	-.07967	.20940	.610009	.002669	-.02879	-.00693
OCT	8	49633	-.08323	.21068	.607416	.002502	-.02869	-.00717
OCT	9	49634	-.08646	.21203	.604989	.002359	-.02872	-.00730
OCT	10	49635	-.08948	.21347	.602673	.002284	-.02873	-.00729
OCT	11	49636	-.09170	.21483	.600398	.002282	-.02857	-.00732
OCT	12	49637	-.09322	.21611	.598094	.002338	-.02851	-.00718
OCT	13	49638	-.09446	.21766	.595715	.002421	-.02824	-.00708
OCT	14	49639	-.09574	.21964	.593253	.002494	-.02800	-.00695
OCT	15	49640	-.09690	.22187	.590735	.002533	-.02773	-.00680
OCT	16	49641	-.09809	.22418	.588199	.002530	-.02752	-.00658
OCT	17	49642	-.09947	.22663	.585689	.002472	-.02743	-.00640
OCT	18	49643	-.10136	.22905	.583267	.002354	-.02750	-.00638
OCT	19	49644	-.10367	.23124	.580991	.002196	-.02784	-.00633
OCT	20	49645	-.10660	.23334	.578879	.002074	-.02820	-.00644
OCT	21	49646	-.10985	.23556	.576841	.002012	-.02831	-.00658
OCT	22	49647	-.11270	.23777	.574847	.001956	-.02825	-.00672
OCT	23	49648	-.11499	.23983	.572919	.001920	-.02804	-.00684
OCT	24	49649	-.11701	.24194	.570994	.001940	-.02771	-.00691
OCT	25	49650	-.11892	.24417	.569024	.002010	-.02734	-.00701
OCT	26	49651	-.12112	.24626	.566957	.002125	-.02691	-.00695
OCT	27	49652	-.12359	.24837	.564758	.002257	-.02667	-.00674
OCT	28	49653	-.12609	.25048	.562432	.002391	-.02659	-.00660
OCT	29	49654	-.12827	.25248	.559969	.002559	-.02668	-.00636
OCT	30	49655	-.13016	.25448	.557318	.002740	-.02671	-.00624
OCT	31	49656	-.13160	.25656	.554503	.002889	-.02675	-.00619

NOV	1	49657	-.13276	.25885	.551564	.002970	-.02672	-.00609
NOV	2	49658	-.13422	.26112	.548593	.002954	-.02664	-.00606
NOV	3	49659	-.13583	.26335	.545683	.002846	-.02665	-.00608
NOV	4	49660	-.13698	.26529	.542913	.002660	-.02671	-.00603
NOV	5	49661	-.13824	.26731	.540357	.002458	-.02679	-.00597
NOV	6	49662	-.13974	.26956	.537978	.002347	-.02684	-.00587
NOV	7	49663	-.14127	.27177	.535639	.002322	-.02669	-.00582
NOV	8	49664	-.14264	.27415	.533314	.002321	-.02642	-.00590
NOV	9	49665	-.14390	.27665	.530988	.002353	-.02601	-.00612
NOV	10	49666	-.14485	.27932	.528609	.002424	-.02553	-.00619
NOV	11	49667	-.14530	.28200	.526149	.002490	-.02530	-.00625
NOV	12	49668	-.14546	.28473	.523641	.002523	-.02504	-.00621
NOV	13	49669	-.14593	.28753	.521115	.002502	-.02502	-.00602
NOV	14	49670	-.14668	.29014	.518647	.002450	-.02508	-.00578
NOV	15	49671	-.14740	.29263	.516224	.002404	-.02514	-.00561
NOV	16	49672	-.14792	.29541	.513843	.002338	-.02523	-.00550
NOV	17	49673	-.14830	.29794	.511548	.002241	-.02539	-.00543
NOV	18	49674	-.14899	.30039	.509354	.002144	-.02529	-.00548
NOV	19	49675	-.15021	.30351	.507251	.002057	-.02522	-.00551
NOV	20	49676	-.15139	.30632	.505227	.002018	-.02502	-.00559
NOV	21	49677	-.15243	.30882	.503201	.002026	-.02486	-.00562
NOV	22	49678	-.15325	.31162	.501162	.002068	-.02471	-.00568
NOV	23	49679	-.15353	.31479	.499051	.002185	-.02463	-.00568
NOV	24	49680	-.15336	.31763	.496780	.002363	-.02440	-.00555
NOV	25	49681	-.15272	.32031	.494317	.002544	-.02413	-.00530
NOV	26	49682	-.15188	.32297	.491691	.002675	-.02382	-.00488
NOV	27	49683	-.15136	.32562	.488975	.002744	-.02364	-.00460
NOV	28	49684	-.15129	.32838	.486220	.002759	-.02350	-.00438
NOV	29	49685	-.15130	.33128	.483481	.002734	-.02355	-.00443
NOV	30	49686	-.15106	.33417	.480777	.002679	-.02380	-.00464
DEC	1	49687	-.15128	.33684	.478139	.002590	-.02401	-.00488
DEC	2	49688	-.15195	.33947	.475600	.002470	-.02395	-.00512
DEC	3	49689	-.15256	.34190	.473185	.002348	-.02383	-.00524
DEC	4	49690	-.15287	.34395	.470881	.002289	-.02360	-.00531
DEC	5	49691	-.15268	.34602	.468586	.002309	-.02344	-.00531
DEC	6	49692	-.15230	.34829	.466248	.002372	-.02330	-.00515
DEC	7	49693	-.15195	.35036	.463842	.002445	-.02317	-.00514
DEC	8	49694	-.15183	.35243	.461369	.002495	-.02319	-.00500
DEC	9	49695	-.15170	.35503	.458866	.002509	-.02328	-.00495
DEC	10	49696	-.15150	.35817	.456366	.002501	-.02332	-.00484
DEC	11	49697	-.15187	.36131	.453876	.002486	-.02336	-.00479
DEC	12	49698	-.15281	.36421	.451403	.002444	-.02323	-.00469
DEC	13	49699	-.15367	.36690	.448991	.002375	-.02305	-.00466
DEC	14	49700	-.15387	.36943	.446654	.002294	-.02296	-.00458
DEC	15	49701	-.15414	.37175	.444399	.002214	-.02291	-.00453
DEC	16	49702	-.15462	.37434	.442218	.002183	-.02299	-.00447
DEC	17	49703	-.15503	.37688	.440022	.002231	-.02293	-.00457
DEC	18	49704	-.15547	.37935	.437741	.002316	-.02288	-.00472
DEC	19	49705	-.15613	.38223	.435374	.002423	-.02281	-.00480
DEC	20	49706	-.15704	.38505	.432883	.002556	-.02271	-.00492
DEC	21	49707	-.15791	.38751	.430253	.002689	-.02262	-.00479
DEC	22	49708	-.15835	.38985	.427498	.002810	-.02250	-.00455
DEC	23	49709	-.15867	.39208	.424631	.002920	-.02225	-.00421

DEC	24	49710	-.15906	.39446	.421664	.003017	-.02223	-.00382
DEC	25	49711	-.15919	.39706	.418610	.003078	-.02228	-.00348
DEC	26	49712	-.15893	.39979	.415525	.003080	-.02244	-.00331
DEC	27	49713	-.15865	.40285	.412472	.003017	-.02263	-.00330
DEC	28	49714	-.15840	.40625	.409508	.002907	-.02299	-.00343
DEC	29	49715	-.15785	.40960	.406665	.002778	-.02329	-.00378
DEC	30	49716	-.15669	.41258	.403948	.002675	-.02342	-.00421
DEC	31	49717	-.15523	.41565	.401297	.002641	-.02332	-.00429