

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 ==> 1995								
JAN	1	49718	-.15339	.41881	.398641	.002667	-.02295	-.00412
JAN	2	49719	-.15115	.42142	.395944	.002754	-.02270	-.00398
JAN	3	49720	-.14880	.42418	.393127	.002884	-.02263	-.00398
JAN	4	49721	-.14651	.42701	.390182	.002989	-.02270	-.00404
JAN	5	49722	-.14447	.42947	.387164	.003005	-.02273	-.00400
JAN	6	49723	-.14309	.43159	.384189	.002943	-.02283	-.00397
JAN	7	49724	-.14173	.43352	.381293	.002842	-.02294	-.00390
JAN	8	49725	-.14026	.43553	.378515	.002709	-.02291	-.00388
JAN	9	49726	-.13881	.43753	.375880	.002556	-.02295	-.00393
JAN	10	49727	-.13728	.43958	.373404	.002395	-.02310	-.00404
JAN	11	49728	-.13555	.44187	.371086	.002244	-.02311	-.00418
JAN	12	49729	-.13397	.44442	.368908	.002140	-.02304	-.00453
JAN	13	49730	-.13229	.44697	.366795	.002086	-.02293	-.00464
JAN	14	49731	-.13065	.44934	.364722	.002079	-.02270	-.00481
JAN	15	49732	-.12977	.45191	.362624	.002124	-.02243	-.00491
JAN	16	49733	-.12923	.45459	.360461	.002188	-.02230	-.00495
JAN	17	49734	-.12866	.45698	.358235	.002263	-.02217	-.00484
JAN	18	49735	-.12812	.45907	.355927	.002410	-.02219	-.00469
JAN	19	49736	-.12752	.46106	.353414	.002573	-.02228	-.00445
JAN	20	49737	-.12660	.46289	.350788	.002684	-.02232	-.00424
JAN	21	49738	-.12535	.46452	.348062	.002768	-.02256	-.00408
JAN	22	49739	-.12405	.46608	.345271	.002816	-.02283	-.00389
JAN	23	49740	-.12259	.46784	.342448	.002831	-.02305	-.00377
JAN	24	49741	-.12109	.47017	.339624	.002813	-.02316	-.00379
JAN	25	49742	-.11933	.47274	.336829	.002755	-.02321	-.00383
JAN	26	49743	-.11749	.47544	.334109	.002683	-.02329	-.00387
JAN	27	49744	-.11663	.47788	.331448	.002643	-.02332	-.00397
JAN	28	49745	-.11609	.47998	.328800	.002660	-.02327	-.00412
JAN	29	49746	-.11554	.48187	.326107	.002719	-.02321	-.00420
JAN	30	49747	-.11524	.48350	.323348	.002792	-.02320	-.00422
JAN	31	49748	-.11531	.48515	.320521	.002856	-.02332	-.00419
FEB	1	49749	-.11555	.48669	.317647	.002890	-.02350	-.00414
FEB	2	49750	-.11577	.48805	.314763	.002887	-.02375	-.00411
FEB	3	49751	-.11578	.48942	.311894	.002850	-.02393	-.00412
FEB	4	49752	-.11522	.49077	.309078	.002773	-.02409	-.00428
FEB	5	49753	-.11409	.49208	.306359	.002682	-.02425	-.00441
FEB	6	49754	-.11239	.49351	.303717	.002590	-.02434	-.00460
FEB	7	49755	-.10990	.49530	.301176	.002473	-.02429	-.00484
FEB	8	49756	-.10656	.49737	.298765	.002330	-.02418	-.00508

FEB	9	49757	-.10302	.49992	.296505	.002221	-.02411	-.00531
FEB	10	49758	-.10006	.50260	.294309	.002192	-.02401	-.00560
FEB	11	49759	-.09794	.50476	.292105	.002189	-.02375	-.00572
FEB	12	49760	-.09642	.50661	.289914	.002196	-.02359	-.00588
FEB	13	49761	-.09528	.50823	.287700	.002254	-.02343	-.00578
FEB	14	49762	-.09425	.50962	.285395	.002386	-.02340	-.00574
FEB	15	49763	-.09296	.51087	.282924	.002570	-.02333	-.00560
FEB	16	49764	-.09114	.51230	.280260	.002745	-.02333	-.00557
FEB	17	49765	-.08917	.51387	.277448	.002850	-.02345	-.00550
FEB	18	49766	-.08718	.51537	.274583	.002866	-.02362	-.00548
FEB	19	49767	-.08543	.51677	.271740	.002811	-.02376	-.00544
FEB	20	49768	-.08383	.51809	.268980	.002708	-.02381	-.00534
FEB	21	49769	-.08226	.51934	.266333	.002592	-.02381	-.00538
FEB	22	49770	-.08073	.52051	.263794	.002497	-.02374	-.00543
FEB	23	49771	-.07910	.52173	.261326	.002450	-.02372	-.00544
FEB	24	49772	-.07705	.52312	.258875	.002463	-.02349	-.00551
FEB	25	49773	-.07430	.52485	.256378	.002538	-.02342	-.00551
FEB	26	49774	-.07093	.52682	.253783	.002652	-.02339	-.00555
FEB	27	49775	-.06728	.52863	.251068	.002770	-.02336	-.00553
FEB	28	49776	-.06377	.53011	.248248	.002873	-.02349	-.00549
MAR	1	49777	-.06003	.53205	.245335	.002970	-.02379	-.00545
MAR	2	49778	-.05660	.53354	.242326	.003039	-.02403	-.00544
MAR	3	49779	-.05350	.53477	.239277	.003053	-.02427	-.00548
MAR	4	49780	-.05025	.53622	.236234	.003034	-.02434	-.00559
MAR	5	49781	-.04694	.53747	.233216	.002971	-.02446	-.00587
MAR	6	49782	-.04346	.53864	.230291	.002858	-.02436	-.00619
MAR	7	49783	-.04002	.53996	.227496	.002726	-.02421	-.00643
MAR	8	49784	-.03696	.54135	.224830	.002631	-.02388	-.00667
MAR	9	49785	-.03440	.54253	.222222	.002618	-.02362	-.00687
MAR	10	49786	-.03202	.54370	.219580	.002671	-.02327	-.00712
MAR	11	49787	-.02969	.54475	.216866	.002739	-.02290	-.00720
MAR	12	49788	-.02770	.54549	.214086	.002817	-.02270	-.00721
MAR	13	49789	-.02615	.54573	.211220	.002899	-.02252	-.00719
MAR	14	49790	-.02453	.54578	.208281	.002986	-.02250	-.00714
MAR	15	49791	-.02255	.54609	.205248	.003096	-.02265	-.00711
MAR	16	49792	-.01987	.54648	.202099	.003212	-.02284	-.00701
MAR	17	49793	-.01691	.54697	.198843	.003291	-.02300	-.00698
MAR	18	49794	-.01378	.54765	.195541	.003288	-.02316	-.00701
MAR	19	49795	-.01094	.54871	.192292	.003210	-.02324	-.00710
MAR	20	49796	-.00878	.54986	.189138	.003061	-.02319	-.00714
MAR	21	49797	-.00702	.55091	.186173	.002835	-.02298	-.00728
MAR	22	49798	-.00509	.55167	.183457	.002610	-.02271	-.00741
MAR	23	49799	-.00341	.55213	.180934	.002488	-.02241	-.00750
MAR	24	49800	-.00129	.55247	.178460	.002487	-.02214	-.00762
MAR	25	49801	.00215	.55281	.175941	.002557	-.02199	-.00758
MAR	26	49802	.00659	.55330	.173338	.002657	-.02192	-.00747
MAR	27	49803	.01182	.55421	.170627	.002765	-.02200	-.00744
MAR	28	49804	.01706	.55563	.167817	.002857	-.02214	-.00749
MAR	29	49805	.02177	.55716	.164928	.002908	-.02244	-.00747
MAR	30	49806	.02582	.55812	.162018	.002899	-.02265	-.00740
MAR	31	49807	.02899	.55845	.159146	.002848	-.02292	-.00748
APR	1	49808	.03181	.55847	.156333	.002773	-.02316	-.00754
APR	2	49809	.03481	.55838	.153603	.002683	-.02321	-.00775

APR	3	49810	.03803	.55826	.150965	.002598	-.02311	-.00799
APR	4	49811	.04138	.55820	.148398	.002514	-.02284	-.00813
APR	5	49812	.04461	.55800	.145927	.002431	-.02252	-.00835
APR	6	49813	.04777	.55771	.143521	.002413	-.02209	-.00861
APR	7	49814	.05117	.55769	.141086	.002470	-.02162	-.00871
APR	8	49815	.05440	.55787	.138568	.002555	-.02129	-.00875
APR	9	49816	.05715	.55803	.135964	.002626	-.02106	-.00863
APR	10	49817	.05995	.55809	.133304	.002720	-.02099	-.00859
APR	11	49818	.06294	.55809	.130521	.002873	-.02109	-.00855
APR	12	49819	.06599	.55784	.127562	.003037	-.02133	-.00854
APR	13	49820	.06880	.55741	.124459	.003142	-.02178	-.00848
APR	14	49821	.07177	.55698	.121299	.003161	-.02214	-.00849
APR	15	49822	.07526	.55650	.118164	.003111	-.02246	-.00857
APR	16	49823	.07881	.55614	.115100	.003023	-.02266	-.00859
APR	17	49824	.08245	.55600	.112131	.002922	-.02280	-.00874
APR	18	49825	.08579	.55586	.109252	.002825	-.02268	-.00887
APR	19	49826	.08875	.55571	.106463	.002721	-.02251	-.00888
APR	20	49827	.09168	.55595	.103789	.002658	-.02206	-.00892
APR	21	49828	.09470	.55573	.101128	.002678	-.02170	-.00890
APR	22	49829	.09798	.55523	.098423	.002728	-.02129	-.00891
APR	23	49830	.10153	.55449	.095670	.002796	-.02112	-.00888
APR	24	49831	.10534	.55342	.092838	.002872	-.02101	-.00874
APR	25	49832	.10949	.55245	.089937	.002922	-.02116	-.00871
APR	26	49833	.11378	.55146	.087010	.002924	-.02134	-.00861
APR	27	49834	.11789	.55021	.084104	.002864	-.02170	-.00868
APR	28	49835	.12195	.54890	.081292	.002750	-.02206	-.00871
APR	29	49836	.12603	.54759	.078610	.002626	-.02235	-.00881
APR	30	49837	.12983	.54609	.076041	.002501	-.02250	-.00894
MAY	1	49838	.13343	.54458	.073603	.002381	-.02248	-.00899
MAY	2	49839	.13709	.54317	.071269	.002304	-.02230	-.00911
MAY	3	49840	.14061	.54166	.068981	.002297	-.02190	-.00930
MAY	4	49841	.14398	.54023	.066662	.002374	-.02153	-.00942
MAY	5	49842	.14742	.53869	.064221	.002487	-.02108	-.00937
MAY	6	49843	.15103	.53688	.061675	.002557	-.02072	-.00937
MAY	7	49844	.15498	.53513	.059096	.002572	-.02049	-.00924
MAY	8	49845	.15925	.53363	.056525	.002636	-.02044	-.00919
MAY	9	49846	.16365	.53240	.053823	.002805	-.02064	-.00907
MAY	10	49847	.16800	.53107	.050921	.002962	-.02096	-.00909
MAY	11	49848	.17180	.52968	.047913	.003030	-.02143	-.00898
MAY	12	49849	.17481	.52788	.044884	.003020	-.02197	-.00894
MAY	13	49850	.17778	.52606	.041898	.002945	-.02241	-.00895
MAY	14	49851	.18119	.52446	.039012	.002852	-.02271	-.00899
MAY	15	49852	.18421	.52278	.036199	.002763	-.02294	-.00913
MAY	16	49853	.18671	.52111	.033474	.002674	-.02291	-.00905
MAY	17	49854	.18944	.51975	.030831	.002602	-.02268	-.00901
MAY	18	49855	.19190	.51831	.028249	.002558	-.02241	-.00901
MAY	19	49856	.19386	.51650	.025702	.002545	-.02198	-.00895
MAY	20	49857	.19561	.51416	.023158	.002560	-.02166	-.00883
MAY	21	49858	.19713	.51146	.020591	.002567	-.02149	-.00879
MAY	22	49859	.19897	.50890	.018038	.002533	-.02149	-.00864
MAY	23	49860	.20131	.50656	.015539	.002458	-.02174	-.00864
MAY	24	49861	.20363	.50414	.013135	.002340	-.02208	-.00868
MAY	25	49862	.20558	.50193	.010870	.002228	-.02255	-.00870

MAY	26	49863	.20748	.49965	.008685	.002156	-.02297	-.00867
MAY	27	49864	.20941	.49711	.006558	.002056	-.02336	-.00879
MAY	28	49865	.21129	.49452	.004567	.001956	-.02370	-.00894
MAY	29	49866	.21338	.49195	.002637	.001907	-.02378	-.00908
MAY	30	49867	.21550	.48916	.000741	.001885	-.02371	-.00918
MAY	31	49868	.21754	.48624	-.001146	.001891	-.02355	-.00922
JUN	1	49869	.21968	.48363	-.003053	.001924	-.02329	-.00920
JUN	2	49870	.22212	.48066	-.005008	.002002	-.02299	-.00911
JUN	3	49871	.22487	.47740	-.007069	.002133	-.02282	-.00908
JUN	4	49872	.22803	.47406	-.009280	.002241	-.02281	-.00904
JUN	5	49873	.23144	.47065	-.011552	.002310	-.02296	-.00890
JUN	6	49874	.23467	.46744	-.013895	.002378	-.02325	-.00881
JUN	7	49875	.23755	.46465	-.016298	.002438	-.02361	-.00878
JUN	8	49876	.24048	.46195	-.018755	.002469	-.02407	-.00871
JUN	9	49877	.24324	.45889	-.021216	.002419	-.02465	-.00871
JUN	10	49878	.24572	.45585	-.023575	.002309	-.02500	-.00874
JUN	11	49879	.24825	.45317	-.025824	.002203	-.02528	-.00879
JUN	12	49880	.25043	.45044	-.027984	.002100	-.02530	-.00882
JUN	13	49881	.25244	.44742	-.030041	.002027	-.02519	-.00880
JUN	14	49882	.25422	.44418	-.032059	.002034	-.02503	-.00872
JUN	15	49883	.25623	.44083	-.034129	.002097	-.02478	-.00867
JUN	16	49884	.25850	.43748	-.036261	.002170	-.02471	-.00857
JUN	17	49885	.26077	.43432	-.038462	.002234	-.02469	-.00853
JUN	18	49886	.26314	.43122	-.040713	.002254	-.02494	-.00849
JUN	19	49887	.26549	.42795	-.042951	.002231	-.02525	-.00857
JUN	20	49888	.26756	.42455	-.045160	.002164	-.02567	-.00859
JUN	21	49889	.26939	.42096	-.047269	.002042	-.02623	-.00858
JUN	22	49890	.27093	.41737	-.049240	.001903	-.02678	-.00864
JUN	23	49891	.27225	.41386	-.051074	.001723	-.02732	-.00865
JUN	24	49892	.27339	.41047	-.052689	.001500	-.02761	-.00869
JUN	25	49893	.27409	.40707	-.054081	.001329	-.02783	-.00874
JUN	26	49894	.27458	.40357	-.055359	.001215	-.02791	-.00875
JUN	27	49895	.27528	.40003	-.056524	.001137	-.02777	-.00871
JUN	28	49896	.27635	.39630	-.057648	.001134	-.02750	-.00861
JUN	29	49897	.27756	.39244	-.058804	.001192	-.02727	-.00844
JUN	30	49898	.27873	.38858	-.060040	.001290	-.02696	-.00833
JUL	1	49899	.28012	.38468	-.061390	.001408	-.02689	-.00818
JUL	2	49900	.28137	.38077	-.062858	.001559	-.02679	-.00804
JUL	3	49901	.28218	.37675	-.064506	.001708	-.02704	-.00794
JUL	4	49902	.28293	.37247	-.066265	.001772	-.02729	-.00788
JUL	5	49903	.28394	.36822	-.068037	.001758	-.02766	-.00790
JUL	6	49904	.28495	.36416	-.069765	.001711	-.02817	-.00797
JUL	7	49905	.28567	.35994	-.071445	.001649	-.02867	-.00800
JUL	8	49906	.28614	.35601	-.073052	.001564	-.02920	-.00814
JUL	9	49907	.28655	.35215	-.074571	.001473	-.02957	-.00828
JUL	10	49908	.28684	.34827	-.076007	.001410	-.02980	-.00838
JUL	11	49909	.28706	.34448	-.077410	.001418	-.02995	-.00842
JUL	12	49910	.28755	.34083	-.078864	.001476	-.02998	-.00839
JUL	13	49911	.28786	.33724	-.080377	.001559	-.02999	-.00841
JUL	14	49912	.28778	.33375	-.081983	.001668	-.02992	-.00828
JUL	15	49913	.28763	.33029	-.083699	.001742	-.03001	-.00823
JUL	16	49914	.28783	.32661	-.085446	.001748	-.03017	-.00820
JUL	17	49915	.28815	.32279	-.087173	.001704	-.03045	-.00821

JUL	18	49916	.28804	.31897	-.088839	.001622	-.03082	-.00838
JUL	19	49917	.28774	.31510	-.090410	.001473	-.03127	-.00842
JUL	20	49918	.28755	.31124	-.091785	.001302	-.03175	-.00861
JUL	21	49919	.28757	.30727	-.093016	.001147	-.03220	-.00865
JUL	22	49920	.28747	.30326	-.094086	.000990	-.03248	-.00879
JUL	23	49921	.28692	.29940	-.095008	.000880	-.03259	-.00882
JUL	24	49922	.28639	.29558	-.095858	.000829	-.03259	-.00880
JUL	25	49923	.28593	.29161	-.096680	.000817	-.03252	-.00882
JUL	26	49924	.28552	.28764	-.097507	.000860	-.03237	-.00867
JUL	27	49925	.28493	.28376	-.098412	.000920	-.03221	-.00857
JUL	28	49926	.28392	.27997	-.099353	.000964	-.03199	-.00843
JUL	29	49927	.28260	.27628	-.100344	.001051	-.03184	-.00829
JUL	30	49928	.28137	.27257	-.101453	.001179	-.03195	-.00816
JUL	31	49929	.28025	.26867	-.102694	.001314	-.03217	-.00809
AUG	1	49930	.27939	.26466	-.104068	.001431	-.03244	-.00808
AUG	2	49931	.27880	.26085	-.105540	.001461	-.03268	-.00814
AUG	3	49932	.27829	.25712	-.106976	.001422	-.03312	-.00825
AUG	4	49933	.27760	.25301	-.108373	.001353	-.03351	-.00850
AUG	5	49934	.27673	.24887	-.109680	.001302	-.03383	-.00864
AUG	6	49935	.27583	.24500	-.110984	.001298	-.03400	-.00875
AUG	7	49936	.27491	.24137	-.112290	.001321	-.03397	-.00881
AUG	8	49937	.27383	.23772	-.113646	.001393	-.03400	-.00881
AUG	9	49938	.27236	.23417	-.115095	.001498	-.03407	-.00874
AUG	10	49939	.27058	.23059	-.116651	.001641	-.03405	-.00872
AUG	11	49940	.26909	.22693	-.118370	.001767	-.03399	-.00858
AUG	12	49941	.26770	.22334	-.120167	.001798	-.03400	-.00844
AUG	13	49942	.26619	.21984	-.121944	.001754	-.03425	-.00833
AUG	14	49943	.26476	.21640	-.123653	.001679	-.03450	-.00828
AUG	15	49944	.26286	.21311	-.125287	.001603	-.03476	-.00830
AUG	16	49945	.26023	.20974	-.126853	.001526	-.03508	-.00838
AUG	17	49946	.25756	.20638	-.128341	.001425	-.03537	-.00850
AUG	18	49947	.25527	.20331	-.129710	.001325	-.03560	-.00864
AUG	19	49948	.25318	.20047	-.131002	.001293	-.03567	-.00878
AUG	20	49949	.25125	.19770	-.132309	.001298	-.03550	-.00878
AUG	21	49950	.24948	.19500	-.133615	.001331	-.03534	-.00882
AUG	22	49951	.24742	.19226	-.134986	.001414	-.03528	-.00869
AUG	23	49952	.24521	.18931	-.136456	.001495	-.03518	-.00861
AUG	24	49953	.24258	.18649	-.137986	.001575	-.03501	-.00838
AUG	25	49954	.24017	.18364	-.139611	.001707	-.03491	-.00823
AUG	26	49955	.23809	.18054	-.141398	.001881	-.03497	-.00810
AUG	27	49956	.23612	.17749	-.143365	.002008	-.03526	-.00791
AUG	28	49957	.23407	.17467	-.145402	.002085	-.03552	-.00788
AUG	29	49958	.23209	.17207	-.147518	.002151	-.03578	-.00802
AUG	30	49959	.23002	.16963	-.149685	.002137	-.03606	-.00811
AUG	31	49960	.22745	.16709	-.151779	.002051	-.03630	-.00825
SEP	1	49961	.22451	.16435	-.153782	.001981	-.03657	-.00839
SEP	2	49962	.22176	.16170	-.155746	.001957	-.03669	-.00862
SEP	3	49963	.21954	.15932	-.157710	.001966	-.03658	-.00880
SEP	4	49964	.21746	.15703	-.159698	.002003	-.03651	-.00892
SEP	5	49965	.21523	.15488	-.161735	.002059	-.03637	-.00897
SEP	6	49966	.21269	.15295	-.163828	.002123	-.03621	-.00897
SEP	7	49967	.20987	.15111	-.165982	.002221	-.03609	-.00883
SEP	8	49968	.20694	.14897	-.168260	.002346	-.03605	-.00858

SEP	9	49969	.20384	.14639	-.170655	.002402	-.03596	-.00836
SEP	10	49970	.20048	.14359	-.173040	.002330	-.03608	-.00829
SEP	11	49971	.19702	.14065	-.175296	.002196	-.03615	-.00819
SEP	12	49972	.19382	.13793	-.177420	.002072	-.03629	-.00814
SEP	13	49973	.19094	.13523	-.179437	.001953	-.03622	-.00826
SEP	14	49974	.18812	.13275	-.181332	.001864	-.03631	-.00830
SEP	15	49975	.18561	.13079	-.183175	.001840	-.03623	-.00844
SEP	16	49976	.18306	.12907	-.185026	.001841	-.03600	-.00855
SEP	17	49977	.18022	.12722	-.186873	.001839	-.03586	-.00861
SEP	18	49978	.17708	.12553	-.188717	.001857	-.03549	-.00851
SEP	19	49979	.17410	.12376	-.190600	.001925	-.03537	-.00844
SEP	20	49980	.17143	.12189	-.192579	.002048	-.03515	-.00832
SEP	21	49981	.16847	.12007	-.194701	.002202	-.03509	-.00818
SEP	22	49982	.16516	.11832	-.196985	.002366	-.03520	-.00794
SEP	23	49983	.16186	.11659	-.199429	.002519	-.03536	-.00773
SEP	24	49984	.15868	.11488	-.202012	.002639	-.03560	-.00758
SEP	25	49985	.15547	.11326	-.204689	.002699	-.03587	-.00750
SEP	26	49986	.15254	.11195	-.207390	.002683	-.03618	-.00748
SEP	27	49987	.14984	.11084	-.210037	.002589	-.03637	-.00760
SEP	28	49988	.14713	.10984	-.212559	.002465	-.03640	-.00765
SEP	29	49989	.14437	.10899	-.214970	.002367	-.03646	-.00778
SEP	30	49990	.14119	.10806	-.217306	.002305	-.03629	-.00798
OCT	1	49991	.13799	.10693	-.219599	.002303	-.03603	-.00802
OCT	2	49992	.13467	.10571	-.221931	.002366	-.03567	-.00809
OCT	3	49993	.13075	.10479	-.224346	.002470	-.03548	-.00800
OCT	4	49994	.12654	.10394	-.226875	.002565	-.03531	-.00787
OCT	5	49995	.12257	.10302	-.229470	.002606	-.03521	-.00773
OCT	6	49996	.11876	.10192	-.232073	.002640	-.03517	-.00750
OCT	7	49997	.11486	.10064	-.234730	.002684	-.03517	-.00741
OCT	8	49998	.11096	.09930	-.237422	.002652	-.03523	-.00728
OCT	9	49999	.10686	.09775	-.240018	.002536	-.03529	-.00732
OCT	10	50000	.10258	.09603	-.242486	.002399	-.03526	-.00732
OCT	11	50001	.09827	.09431	-.244818	.002251	-.03520	-.00745
OCT	12	50002	.09430	.09268	-.246997	.002097	-.03507	-.00760
OCT	13	50003	.09091	.09134	-.249022	.001975	-.03498	-.00772
OCT	14	50004	.08797	.09045	-.250960	.001930	-.03467	-.00790
OCT	15	50005	.08494	.08995	-.252895	.001916	-.03441	-.00792
OCT	16	50006	.08130	.08943	-.254806	.001936	-.03406	-.00787
OCT	17	50007	.07727	.08868	-.256779	.002027	-.03390	-.00776
OCT	18	50008	.07333	.08773	-.258869	.002126	-.03379	-.00762
OCT	19	50009	.06952	.08669	-.261036	.002190	-.03365	-.00738
OCT	20	50010	.06663	.08586	-.263251	.002278	-.03346	-.00716
OCT	21	50011	.06469	.08550	-.265584	.002403	-.03349	-.00699
OCT	22	50012	.06247	.08549	-.268044	.002469	-.03345	-.00679
OCT	23	50013	.05942	.08546	-.270504	.002464	-.03349	-.00665
OCT	24	50014	.05567	.08518	-.272952	.002451	-.03333	-.00666
OCT	25	50015	.05149	.08484	-.275392	.002407	-.03321	-.00670
OCT	26	50016	.04706	.08419	-.277762	.002324	-.03313	-.00684
OCT	27	50017	.04271	.08320	-.280048	.002256	-.03309	-.00695
OCT	28	50018	.03870	.08241	-.282291	.002256	-.03295	-.00701
OCT	29	50019	.03502	.08207	-.284581	.002317	-.03278	-.00701
OCT	30	50020	.03163	.08221	-.286940	.002415	-.03266	-.00694
OCT	31	50021	.02847	.08252	-.289416	.002550	-.03265	-.00692

NOV	1	50022	.02512	.08274	-.292037	.002695	-.03269	-.00677
NOV	2	50023	.02194	.08299	-.294795	.002771	-.03260	-.00664
NOV	3	50024	.01876	.08339	-.297563	.002745	-.03256	-.00643
NOV	4	50025	.01497	.08387	-.300269	.002677	-.03251	-.00628
NOV	5	50026	.01126	.08418	-.302904	.002564	-.03258	-.00620
NOV	6	50027	.00759	.08431	-.305389	.002424	-.03249	-.00618
NOV	7	50028	.00372	.08458	-.307751	.002314	-.03227	-.00620
NOV	8	50029	-.00010	.08506	-.310021	.002222	-.03200	-.00625
NOV	9	50030	-.00390	.08548	-.312204	.002103	-.03166	-.00639
NOV	10	50031	-.00749	.08573	-.314239	.001996	-.03138	-.00648
NOV	11	50032	-.01104	.08599	-.316211	.001965	-.03103	-.00662
NOV	12	50033	-.01492	.08635	-.318181	.001994	-.03077	-.00669
NOV	13	50034	-.01883	.08676	-.320211	.002085	-.03047	-.00660
NOV	14	50035	-.02230	.08738	-.322360	.002223	-.03041	-.00647
NOV	15	50036	-.02519	.08808	-.324665	.002389	-.03041	-.00633
NOV	16	50037	-.02861	.08904	-.327139	.002561	-.03048	-.00610
NOV	17	50038	-.03309	.09055	-.329784	.002701	-.03047	-.00591
NOV	18	50039	-.03780	.09213	-.332532	.002797	-.03054	-.00568
NOV	19	50040	-.04199	.09339	-.335365	.002866	-.03069	-.00552
NOV	20	50041	-.04576	.09472	-.338246	.002890	-.03067	-.00542
NOV	21	50042	-.04981	.09602	-.341127	.002857	-.03050	-.00545
NOV	22	50043	-.05408	.09710	-.343949	.002764	-.03037	-.00550
NOV	23	50044	-.05822	.09782	-.346657	.002678	-.03018	-.00552
NOV	24	50045	-.06184	.09860	-.349318	.002644	-.03007	-.00570
NOV	25	50046	-.06520	.10009	-.351965	.002641	-.03000	-.00582
NOV	26	50047	-.06867	.10200	-.354617	.002672	-.02985	-.00587
NOV	27	50048	-.07220	.10380	-.357317	.002732	-.02980	-.00586
NOV	28	50049	-.07576	.10557	-.360078	.002789	-.02989	-.00582
NOV	29	50050	-.07986	.10721	-.362882	.002822	-.03015	-.00568
NOV	30	50051	-.08455	.10900	-.365704	.002805	-.03037	-.00556
DEC	1	50052	-.08989	.11077	-.368477	.002721	-.03059	-.00529
DEC	2	50053	-.09532	.11222	-.371133	.002590	-.03076	-.00519
DEC	3	50054	-.09985	.11366	-.373650	.002478	-.03090	-.00505
DEC	4	50055	-.10423	.11541	-.376085	.002391	-.03093	-.00506
DEC	5	50056	-.10869	.11748	-.378434	.002293	-.03081	-.00510
DEC	6	50057	-.11274	.11963	-.380679	.002187	-.03062	-.00514
DEC	7	50058	-.11628	.12173	-.382818	.002101	-.03029	-.00526
DEC	8	50059	-.11948	.12371	-.384896	.002080	-.03005	-.00531
DEC	9	50060	-.12256	.12542	-.386991	.002130	-.02968	-.00541
DEC	10	50061	-.12536	.12722	-.389168	.002206	-.02926	-.00554
DEC	11	50062	-.12837	.12941	-.391412	.002278	-.02905	-.00552
DEC	12	50063	-.13209	.13161	-.393729	.002365	-.02909	-.00547
DEC	13	50064	-.13584	.13394	-.396144	.002482	-.02911	-.00543
DEC	14	50065	-.13864	.13670	-.398693	.002593	-.02927	-.00523
DEC	15	50066	-.14082	.13965	-.401324	.002640	-.02942	-.00508
DEC	16	50067	-.14326	.14256	-.403965	.002644	-.02948	-.00500
DEC	17	50068	-.14558	.14567	-.406599	.002650	-.02959	-.00488
DEC	18	50069	-.14762	.14897	-.409251	.002651	-.02947	-.00491
DEC	19	50070	-.14989	.15205	-.411889	.002614	-.02930	-.00485
DEC	20	50071	-.15245	.15489	-.414473	.002539	-.02906	-.00489
DEC	21	50072	-.15497	.15762	-.416974	.002458	-.02888	-.00488
DEC	22	50073	-.15699	.16041	-.419408	.002420	-.02862	-.00502
DEC	23	50074	-.15859	.16359	-.421835	.002466	-.02846	-.00509

DEC	24	50075	-.16030	.16724	-.424352	.002587	-.02837	-.00520
DEC	25	50076	-.16225	.17105	-.427008	.002721	-.02841	-.00517
DEC	26	50077	-.16431	.17466	-.429781	.002802	-.02861	-.00502
DEC	27	50078	-.16642	.17777	-.432594	.002795	-.02888	-.00499
DEC	28	50079	-.16860	.18059	-.435351	.002694	-.02908	-.00481
DEC	29	50080	-.17067	.18347	-.437967	.002527	-.02924	-.00468
DEC	30	50081	-.17242	.18623	-.440396	.002332	-.02950	-.00462
DEC	31	50082	-.17427	.18902	-.442630	.002134	-.02957	-.00452