

INTERNATIONAL EARTH ROTATION SERVICE
EARTH ROTATION PARAMETERS
EOP (IERS) C 04

FORMAT(2X,A4,I3,2X,I5,2F9.6,F10.7,2X,F10.7,2X,2F9.5)

Date	MJD	x	y	UT1-UTC	LOD	dPsi	dEpsilon	
		"	"	s	s	"	"	
(0h UTC)								
YEAR ==>	2000							
JAN	1	51544	.043251	.377681	.3555151	.0009068	-.05082	-.00225
JAN	2	51545	.043494	.377501	.3546563	.0008206	-.05081	-.00239
JAN	3	51546	.043566	.377251	.3538732	.0007142	-.05072	-.00254
JAN	4	51547	.043460	.376959	.3532227	.0005585	-.05039	-.00265
JAN	5	51548	.043174	.376661	.3527467	.0004132	-.05015	-.00271
JAN	6	51549	.043162	.376291	.3523835	.0003912	-.04998	-.00270
JAN	7	51550	.043482	.376110	.3519491	.0004447	-.04986	-.00263
JAN	8	51551	.043778	.376137	.3514782	.0004199	-.04974	-.00262
JAN	9	51552	.043759	.375844	.3510952	.0004448	-.04959	-.00257
JAN	10	51553	.043612	.375329	.3505785	.0006052	-.04950	-.00273
JAN	11	51554	.043870	.374958	.3498802	.0007662	-.04945	-.00283
JAN	12	51555	.044349	.374712	.3490480	.0009075	-.04960	-.00298
JAN	13	51556	.045200	.374741	.3480737	.0010551	-.04997	-.00279
JAN	14	51557	.046500	.374793	.3469524	.0011749	-.05048	-.00257
JAN	15	51558	.047655	.374825	.3457438	.0012014	-.05097	-.00240
JAN	16	51559	.048543	.374864	.3445718	.0011159	-.05150	-.00234
JAN	17	51560	.049462	.374850	.3435300	.0010097	-.05176	-.00238
JAN	18	51561	.050675	.375073	.3425587	.0009534	-.05178	-.00258
JAN	19	51562	.051994	.375626	.3416141	.0008971	-.05163	-.00282
JAN	20	51563	.053156	.375777	.3407422	.0008453	-.05126	-.00299
JAN	21	51564	.054213	.375846	.3398970	.0008665	-.05067	-.00310
JAN	22	51565	.055103	.376266	.3389893	.0009625	-.05011	-.00317
JAN	23	51566	.055734	.376754	.3379665	.0010998	-.04971	-.00312
JAN	24	51567	.056207	.377160	.3367992	.0012192	-.04947	-.00299
JAN	25	51568	.056453	.377363	.3355472	.0012797	-.04937	-.00290
JAN	26	51569	.056530	.377305	.3342609	.0012998	-.04953	-.00278
JAN	27	51570	.056982	.377052	.3329650	.0012611	-.04988	-.00271
JAN	28	51571	.057375	.376784	.3317502	.0011408	-.05026	-.00271
JAN	29	51572	.057226	.376444	.3306887	.0009872	-.05060	-.00275
JAN	30	51573	.057052	.376162	.3297756	.0008432	-.05077	-.00279
JAN	31	51574	.057012	.375949	.3289971	.0007245	-.05068	-.00292
FEB	1	51575	.056982	.375640	.3283168	.0006426	-.05057	-.00300
FEB	2	51576	.057261	.375097	.3276988	.0005820	-.05020	-.00311
FEB	3	51577	.057725	.374382	.3271375	.0005131	-.04995	-.00326
FEB	4	51578	.058288	.373756	.3266565	.0004857	-.04980	-.00336
FEB	5	51579	.059078	.373181	.3261509	.0005836	-.04999	-.00332
FEB	6	51580	.060028	.372665	.3254774	.0007280	-.05025	-.00337
FEB	7	51581	.061069	.372291	.3246888	.0008715	-.05036	-.00336
FEB	8	51582	.062211	.371961	.3237362	.0010566	-.05028	-.00339

FEB	9	51583	.063484	.371892	.3225857	.0011935	-.04975	-.00338
FEB	10	51584	.064746	.371698	.3213657	.0012351	-.04959	-.00354
FEB	11	51585	.065785	.371189	.3201354	.0011847	-.04972	-.00365
FEB	12	51586	.066253	.370682	.3190161	.0010122	-.04981	-.00360
FEB	13	51587	.066217	.370224	.3181265	.0008427	-.05002	-.00354
FEB	14	51588	.066009	.369802	.3173374	.0007462	-.05018	-.00355
FEB	15	51589	.066094	.369400	.3166287	.0006647	-.05045	-.00361
FEB	16	51590	.066763	.368872	.3159899	.0006415	-.05068	-.00380
FEB	17	51591	.067412	.368498	.3153201	.0006796	-.05075	-.00403
FEB	18	51592	.068040	.368381	.3146066	.0007562	-.05064	-.00421
FEB	19	51593	.068548	.368272	.3137942	.0009115	-.05039	-.00427
FEB	20	51594	.069069	.368189	.3127858	.0011017	-.05000	-.00423
FEB	21	51595	.069238	.367918	.3116070	.0012316	-.04966	-.00423
FEB	22	51596	.068969	.367341	.3103461	.0012599	-.04951	-.00418
FEB	23	51597	.068755	.366744	.3091099	.0011964	-.04937	-.00430
FEB	24	51598	.068417	.366059	.3079705	.0010883	-.04948	-.00448
FEB	25	51599	.067899	.365222	.3069427	.0009511	-.04977	-.00470
FEB	26	51600	.067435	.364366	.3060704	.0008017	-.05000	-.00485
FEB	27	51601	.066985	.363501	.3053352	.0007036	-.05015	-.00508
FEB	28	51602	.066637	.362649	.3046540	.0006153	-.05008	-.00508
FEB	29	51603	.066482	.361998	.3040912	.0005157	-.04992	-.00492
MAR	1	51604	.066432	.361493	.3036065	.0005184	-.04956	-.00469
MAR	2	51605	.066622	.360988	.3030378	.0005968	-.04907	-.00430
MAR	3	51606	.067194	.360526	.3023968	.0006735	-.04861	-.00397
MAR	4	51607	.067771	.360245	.3016768	.0008041	-.04831	-.00372
MAR	5	51608	.067963	.360171	.3007792	.0009934	-.04818	-.00369
MAR	6	51609	.068104	.360069	.2996882	.0011715	-.04827	-.00380
MAR	7	51610	.068582	.359917	.2984445	.0013096	-.04863	-.00408
MAR	8	51611	.068859	.359726	.2970867	.0013932	-.04909	-.00452
MAR	9	51612	.069208	.359272	.2956819	.0013943	-.04946	-.00491
MAR	10	51613	.070230	.358846	.2943219	.0013185	-.04990	-.00515
MAR	11	51614	.071684	.358650	.2930628	.0012026	-.05007	-.00530
MAR	12	51615	.073048	.358673	.2919243	.0010735	-.05007	-.00532
MAR	13	51616	.073918	.358520	.2909112	.0009306	-.04996	-.00530
MAR	14	51617	.074514	.358003	.2900468	.0008035	-.04969	-.00521
MAR	15	51618	.074648	.357241	.2892804	.0007711	-.04935	-.00516
MAR	16	51619	.074748	.356256	.2884798	.0008218	-.04909	-.00516
MAR	17	51620	.074563	.355470	.2876184	.0008890	-.04889	-.00522
MAR	18	51621	.074227	.354765	.2866959	.0009602	-.04865	-.00537
MAR	19	51622	.073980	.353895	.2857067	.0009965	-.04856	-.00545
MAR	20	51623	.073789	.353097	.2847229	.0010112	-.04839	-.00549
MAR	21	51624	.073798	.352636	.2837088	.0010528	-.04816	-.00558
MAR	22	51625	.073988	.352155	.2826391	.0010668	-.04809	-.00564
MAR	23	51626	.074009	.351504	.2815897	.0009751	-.04803	-.00566
MAR	24	51627	.073958	.350977	.2806957	.0008092	-.04801	-.00570
MAR	25	51628	.073796	.350433	.2799705	.0006658	-.04802	-.00564
MAR	26	51629	.073444	.349547	.2793567	.0005305	-.04798	-.00565
MAR	27	51630	.073144	.348673	.2788970	.0004210	-.04804	-.00571
MAR	28	51631	.072762	.347997	.2784987	.0003960	-.04807	-.00580
MAR	29	51632	.072768	.347148	.2780874	.0004153	-.04805	-.00583
MAR	30	51633	.073472	.346422	.2776509	.0004564	-.04804	-.00581
MAR	31	51634	.074516	.346034	.2771593	.0005598	-.04789	-.00577
APR	1	51635	.075232	.345963	.2765192	.0007489	-.04761	-.00573

APR	2	51636	.075766	.346137	.2756550	.0009826	-.04747	-.00562
APR	3	51637	.076526	.346529	.2745563	.0011932	-.04731	-.00558
APR	4	51638	.077070	.346831	.2732821	.0013227	-.04728	-.00560
APR	5	51639	.077054	.346883	.2719348	.0013449	-.04739	-.00558
APR	6	51640	.077073	.346722	.2706210	.0012735	-.04757	-.00570
APR	7	51641	.077300	.346242	.2694131	.0011464	-.04779	-.00585
APR	8	51642	.077575	.345645	.2683420	.0010035	-.04795	-.00598
APR	9	51643	.077803	.345052	.2674048	.0008785	-.04807	-.00618
APR	10	51644	.078175	.344262	.2665698	.0008025	-.04811	-.00632
APR	11	51645	.079147	.343576	.2657762	.0007965	-.04805	-.00639
APR	12	51646	.080413	.343298	.2649517	.0008659	-.04786	-.00639
APR	13	51647	.081470	.343340	.2640243	.0010023	-.04770	-.00636
APR	14	51648	.082031	.343576	.2629371	.0011629	-.04751	-.00632
APR	15	51649	.082078	.343893	.2617011	.0013058	-.04738	-.00629
APR	16	51650	.082098	.344094	.2603396	.0014305	-.04738	-.00630
APR	17	51651	.082304	.344136	.2588614	.0014892	-.04734	-.00628
APR	18	51652	.082434	.344093	.2573834	.0014269	-.04740	-.00622
APR	19	51653	.082289	.343649	.2560255	.0012986	-.04757	-.00622
APR	20	51654	.082411	.343029	.2547970	.0011886	-.04760	-.00625
APR	21	51655	.082610	.342434	.2536512	.0011034	-.04756	-.00630
APR	22	51656	.082563	.341720	.2525862	.0009921	-.04757	-.00632
APR	23	51657	.082816	.340899	.2516569	.0008446	-.04765	-.00640
APR	24	51658	.083417	.340161	.2508824	.0007115	-.04769	-.00651
APR	25	51659	.084154	.339652	.2502164	.0006276	-.04774	-.00656
APR	26	51660	.085005	.339235	.2496095	.0006040	-.04789	-.00665
APR	27	51661	.085896	.338897	.2489927	.0007083	-.04809	-.00671
APR	28	51662	.086636	.338656	.2481800	.0009000	-.04825	-.00677
APR	29	51663	.087424	.338353	.2471836	.0010542	-.04827	-.00665
APR	30	51664	.088368	.337867	.2460687	.0012323	-.04830	-.00659
MAY	1	51665	.089091	.337388	.2447251	.0014229	-.04817	-.00648
MAY	2	51666	.089658	.337045	.2432404	.0015063	-.04800	-.00635
MAY	3	51667	.089987	.336674	.2417397	.0015141	-.04773	-.00616
MAY	4	51668	.089901	.336045	.2402424	.0014714	-.04731	-.00610
MAY	5	51669	.089516	.334931	.2388199	.0013347	-.04701	-.00614
MAY	6	51670	.089111	.333801	.2375804	.0011189	-.04697	-.00625
MAY	7	51671	.088585	.332919	.2365719	.0009110	-.04713	-.00641
MAY	8	51672	.087991	.331903	.2357351	.0008032	-.04756	-.00660
MAY	9	51673	.087567	.330828	.2349385	.0008318	-.04794	-.00673
MAY	10	51674	.087342	.330174	.2340493	.0009603	-.04834	-.00671
MAY	11	51675	.087454	.329695	.2330066	.0010790	-.04769	-.00666
MAY	12	51676	.088093	.329586	.2318919	.0011534	-.04691	-.00633
MAY	13	51677	.088898	.329602	.2307110	.0012407	-.04627	-.00602
MAY	14	51678	.089493	.329667	.2294283	.0013081	-.04602	-.00588
MAY	15	51679	.090064	.329613	.2281146	.0012626	-.04649	-.00580
MAY	16	51680	.090596	.329168	.2269209	.0011228	-.04749	-.00598
MAY	17	51681	.090962	.328441	.2258812	.0010112	-.04887	-.00641
MAY	18	51682	.091469	.327698	.2249039	.0009399	-.04999	-.00675
MAY	19	51683	.092324	.327073	.2240001	.0008251	-.05055	-.00699
MAY	20	51684	.093255	.326555	.2232462	.0006702	-.05057	-.00708
MAY	21	51685	.094056	.326080	.2226471	.0005507	-.05021	-.00702
MAY	22	51686	.094579	.325651	.2221286	.0004999	-.04955	-.00698
MAY	23	51687	.094571	.324821	.2216297	.0005009	-.04906	-.00699
MAY	24	51688	.094785	.323430	.2211103	.0005394	-.04880	-.00706

MAY	25	51689	.095378	.322364	.2205375	.0005738	-.04881	-.00711
MAY	26	51690	.096181	.321524	.2199536	.0006134	-.04888	-.00719
MAY	27	51691	.097349	.320796	.2193058	.0007276	-.04918	-.00720
MAY	28	51692	.098946	.320156	.2184998	.0008435	-.04945	-.00718
MAY	29	51693	.100735	.319412	.2176286	.0009017	-.04970	-.00702
MAY	30	51694	.102347	.318734	.2167163	.0009346	-.04977	-.00682
MAY	31	51695	.103745	.318079	.2157870	.0009064	-.04980	-.00655
JUN	1	51696	.105035	.317380	.2149310	.0008132	-.04976	-.00640
JUN	2	51697	.106380	.316525	.2141779	.0006876	-.04956	-.00632
JUN	3	51698	.107689	.315482	.2135551	.0005485	-.04935	-.00630
JUN	4	51699	.108745	.314513	.2130624	.0004644	-.04928	-.00631
JUN	5	51700	.109775	.313567	.2125982	.0004568	-.04934	-.00646
JUN	6	51701	.110865	.312656	.2121224	.0005053	-.04949	-.00655
JUN	7	51702	.111888	.311846	.2115721	.0006431	-.04989	-.00651
JUN	8	51703	.112484	.311072	.2108356	.0008225	-.05045	-.00647
JUN	9	51704	.112533	.310190	.2099390	.0009284	-.05107	-.00625
JUN	10	51705	.112476	.308967	.2089974	.0009224	-.05150	-.00618
JUN	11	51706	.112704	.307451	.2081140	.0008439	-.05167	-.00618
JUN	12	51707	.113157	.306072	.2073267	.0007229	-.05180	-.00615
JUN	13	51708	.113479	.304870	.2066800	.0005448	-.05173	-.00626
JUN	14	51709	.113640	.303633	.2062428	.0003080	-.05161	-.00640
JUN	15	51710	.113612	.302489	.2060638	.0000858	-.05151	-.00645
JUN	16	51711	.113094	.301307	.2060652	-.0000296	-.05147	-.00666
JUN	17	51712	.112160	.300209	.2061123	-.0000671	-.05153	-.00691
JUN	18	51713	.111021	.299143	.2061848	-.0001309	-.05166	-.00700
JUN	19	51714	.109883	.297656	.2063574	-.0002077	-.05174	-.00703
JUN	20	51715	.108929	.295987	.2065836	-.0001833	-.05184	-.00691
JUN	21	51716	.108229	.294322	.2067097	-.0000441	-.05199	-.00656
JUN	22	51717	.107808	.292590	.2066623	.0000763	-.05211	-.00632
JUN	23	51718	.107682	.290788	.2065526	.0001317	-.05238	-.00602
JUN	24	51719	.107864	.289135	.2063996	.0002222	-.05263	-.00578
JUN	25	51720	.108250	.287890	.2061146	.0003514	-.05299	-.00570
JUN	26	51721	.108584	.286687	.2057100	.0004342	-.05330	-.00578
JUN	27	51722	.108985	.285300	.2052667	.0004483	-.05368	-.00591
JUN	28	51723	.109581	.283995	.2048381	.0004079	-.05389	-.00605
JUN	29	51724	.110068	.282851	.2044719	.0003146	-.05404	-.00629
JUN	30	51725	.110200	.281560	.2042172	.0001859	-.05416	-.00638
JUL	1	51726	.110166	.280002	.2040905	.0000612	-.05430	-.00652
JUL	2	51727	.109970	.278609	.2040698	-.0000057	-.05434	-.00658
JUL	3	51728	.109525	.277437	.2040719	.0000360	-.05435	-.00659
JUL	4	51729	.108998	.276333	.2039754	.0001902	-.05430	-.00656
JUL	5	51730	.108244	.275454	.2036851	.0003983	-.05421	-.00651
JUL	6	51731	.107445	.274680	.2031893	.0005750	-.05419	-.00648
JUL	7	51732	.107045	.273872	.2025566	.0006596	-.05409	-.00650
JUL	8	51733	.106824	.273225	.2018940	.0006577	-.05405	-.00648
JUL	9	51734	.106328	.272701	.2012612	.0006035	-.05421	-.00642
JUL	10	51735	.105453	.272042	.2007003	.0005124	-.05457	-.00642
JUL	11	51736	.104458	.271327	.2002422	.0003995	-.05510	-.00646
JUL	12	51737	.103699	.270382	.1999006	.0002672	-.05576	-.00650
JUL	13	51738	.102848	.269155	.1997018	.0001487	-.05596	-.00653
JUL	14	51739	.102120	.268067	.1995928	.0000490	-.05594	-.00660
JUL	15	51740	.101210	.267011	.1995901	-.0000603	-.05587	-.00661
JUL	16	51741	.100128	.265830	.1996977	-.0001662	-.05593	-.00666

JUL	17	51742	.099249	.264809	.1999060	-.0002270	-.05598	-.00655
JUL	18	51743	.098288	.263936	.2001369	-.0002088	-.05609	-.00641
JUL	19	51744	.097130	.262905	.2003128	-.0001430	-.05626	-.00637
JUL	20	51745	.096019	.261579	.2004180	-.0000938	-.05638	-.00625
JUL	21	51746	.094871	.260190	.2005016	-.0000695	-.05651	-.00608
JUL	22	51747	.093477	.259072	.2005637	-.0000160	-.05678	-.00608
JUL	23	51748	.092124	.258096	.2005457	.0000636	-.05711	-.00615
JUL	24	51749	.091303	.257037	.2004528	.0001055	-.05753	-.00616
JUL	25	51750	.090861	.256169	.2003541	.0000944	-.05800	-.00631
JUL	26	51751	.090471	.255645	.2002825	.0000511	-.05841	-.00645
JUL	27	51752	.090287	.255122	.2002633	-.0000269	-.05866	-.00656
JUL	28	51753	.089858	.254572	.2003342	-.0001105	-.05892	-.00661
JUL	29	51754	.089090	.253971	.2004662	-.0001570	-.05895	-.00670
JUL	30	51755	.088360	.253222	.2006195	-.0001424	-.05883	-.00673
JUL	31	51756	.087663	.252427	.2007228	-.0000408	-.05863	-.00680
AUG	1	51757	.086962	.251766	.2006854	.0001334	-.05839	-.00666
AUG	2	51758	.086374	.251157	.2004593	.0003069	-.05822	-.00652
AUG	3	51759	.085894	.250715	.2000918	.0003865	-.05818	-.00632
AUG	4	51760	.085348	.250312	.1997148	.0003940	-.05813	-.00608
AUG	5	51761	.084620	.249695	.1993306	.0003653	-.05830	-.00590
AUG	6	51762	.083919	.249078	.1990030	.0002665	-.05840	-.00588
AUG	7	51763	.083243	.248575	.1988061	.0001135	-.05868	-.00601
AUG	8	51764	.082280	.248166	.1987759	-.0000449	-.05889	-.00626
AUG	9	51765	.081201	.247777	.1988894	-.0001599	-.05914	-.00659
AUG	10	51766	.079987	.247544	.1990844	-.0002260	-.05945	-.00688
AUG	11	51767	.078356	.247195	.1993270	-.0002543	-.05989	-.00702
AUG	12	51768	.076616	.246454	.1995768	-.0002350	-.06013	-.00718
AUG	13	51769	.075081	.245689	.1997804	-.0001809	-.06025	-.00709
AUG	14	51770	.073720	.245129	.1999233	-.0001090	-.06020	-.00686
AUG	15	51771	.072696	.244592	.1999861	.0000038	-.05992	-.00661
AUG	16	51772	.072050	.244233	.1999087	.0001813	-.05939	-.00628
AUG	17	51773	.071335	.244141	.1996236	.0003640	-.05900	-.00600
AUG	18	51774	.070376	.244169	.1991880	.0004899	-.05876	-.00588
AUG	19	51775	.069110	.244197	.1986574	.0005900	-.05871	-.00582
AUG	20	51776	.067536	.244079	.1980254	.0006719	-.05898	-.00582
AUG	21	51777	.065821	.243855	.1973320	.0006907	-.05950	-.00596
AUG	22	51778	.063922	.243647	.1966601	.0006454	-.06016	-.00610
AUG	23	51779	.062115	.243362	.1960515	.0005647	-.06075	-.00633
AUG	24	51780	.060554	.243034	.1955309	.0004555	-.06114	-.00640
AUG	25	51781	.059085	.242761	.1951276	.0004160	-.06137	-.00631
AUG	26	51782	.057460	.242764	.1946743	.0004518	-.06133	-.00626
AUG	27	51783	.055618	.242729	.1941947	.0004969	-.06118	-.00615
AUG	28	51784	.053803	.242463	.1936577	.0006106	-.06109	-.00591
AUG	29	51785	.052291	.242199	.1929663	.0007879	-.06096	-.00576
AUG	30	51786	.051122	.241846	.1920941	.0009268	-.06088	-.00575
AUG	31	51787	.050100	.241710	.1911398	.0009774	-.06092	-.00568
SEP	1	51788	.049053	.241846	.1901713	.0009378	-.06119	-.00568
SEP	2	51789	.047909	.241900	.1892910	.0008158	-.06161	-.00575
SEP	3	51790	.046628	.241919	.1885555	.0006456	-.06194	-.00577
SEP	4	51791	.045125	.242026	.1880042	.0004582	-.06200	-.00591
SEP	5	51792	.043307	.242085	.1876342	.0003009	-.06170	-.00605
SEP	6	51793	.041227	.242091	.1873913	.0001658	-.06096	-.00616
SEP	7	51794	.038973	.241925	.1872872	.0000347	-.06021	-.00621

SEP	8	51795	.036681	.241589	.1873044	-.0000664	-.05975	-.00620
SEP	9	51796	.034231	.241126	.1874023	-.0000813	-.05953	-.00612
SEP	10	51797	.031844	.240510	.1874508	-.0000039	-.05943	-.00610
SEP	11	51798	.029810	.240068	.1873969	.0000857	-.05949	-.00596
SEP	12	51799	.027748	.239761	.1872704	.0001741	-.05962	-.00592
SEP	13	51800	.025133	.239553	.1870458	.0003252	-.05979	-.00582
SEP	14	51801	.022168	.239655	.1866250	.0005094	-.05974	-.00578
SEP	15	51802	.019270	.239789	.1860403	.0006607	-.05981	-.00580
SEP	16	51803	.016972	.239820	.1853232	.0007449	-.05991	-.00578
SEP	17	51804	.015237	.239965	.1845725	.0007244	-.05998	-.00581
SEP	18	51805	.013720	.240441	.1838936	.0006207	-.06009	-.00586
SEP	19	51806	.012280	.241165	.1833426	.0005026	-.06023	-.00579
SEP	20	51807	.010646	.242071	.1828889	.0004237	-.06035	-.00578
SEP	21	51808	.008830	.243068	.1824837	.0003641	-.06039	-.00572
SEP	22	51809	.006991	.243550	.1821389	.0003800	-.06023	-.00568
SEP	23	51810	.005467	.243515	.1816962	.0004611	-.05995	-.00569
SEP	24	51811	.004227	.243439	.1811915	.0005310	-.05970	-.00555
SEP	25	51812	.002965	.243435	.1806196	.0006627	-.05952	-.00541
SEP	26	51813	.001729	.243571	.1798684	.0008822	-.05940	-.00528
SEP	27	51814	.000672	.243958	.1788745	.0010842	-.05950	-.00510
SEP	28	51815	-.000577	.244594	.1777300	.0011503	-.05987	-.00498
SEP	29	51816	-.002328	.245507	.1766051	.0010766	-.06022	-.00492
SEP	30	51817	-.004190	.246367	.1756004	.0009609	-.06058	-.00492
OCT	1	51818	-.005765	.246958	.1746949	.0008375	-.06060	-.00506
OCT	2	51819	-.007271	.247625	.1739257	.0006538	-.06045	-.00511
OCT	3	51820	-.009173	.248341	.1733786	.0004305	-.05985	-.00533
OCT	4	51821	-.011229	.248908	.1730500	.0002756	-.05903	-.00540
OCT	5	51822	-.013038	.249390	.1728092	.0002311	-.05826	-.00541
OCT	6	51823	-.014624	.249903	.1725687	.0002516	-.05772	-.00535
OCT	7	51824	-.016114	.250293	.1722882	.0003570	-.05738	-.00524
OCT	8	51825	-.017576	.250526	.1718398	.0005307	-.05729	-.00510
OCT	9	51826	-.019024	.250962	.1712161	.0006822	-.05736	-.00496
OCT	10	51827	-.020455	.251849	.1704699	.0008205	-.05759	-.00475
OCT	11	51828	-.021779	.253088	.1695761	.0010098	-.05782	-.00468
OCT	12	51829	-.022926	.254678	.1684595	.0011874	-.05799	-.00469
OCT	13	51830	-.024359	.256365	.1672195	.0013154	-.05832	-.00485
OCT	14	51831	-.026215	.257898	.1658529	.0013909	-.05874	-.00517
OCT	15	51832	-.028274	.259153	.1644624	.0013188	-.05900	-.00541
OCT	16	51833	-.030337	.260210	.1632329	.0011440	-.05900	-.00545
OCT	17	51834	-.032195	.261059	.1621792	.0010212	-.05865	-.00516
OCT	18	51835	-.034006	.261809	.1611808	.0009903	-.05791	-.00461
OCT	19	51836	-.035664	.262654	.1601773	.0009327	-.05714	-.00400
OCT	20	51837	-.037403	.263501	.1592883	.0008655	-.05662	-.00352
OCT	21	51838	-.039112	.264421	.1584208	.0009724	-.05633	-.00320
OCT	22	51839	-.040603	.265434	.1573263	.0012182	-.05629	-.00305
OCT	23	51840	-.042061	.266787	.1559804	.0014039	-.05652	-.00322
OCT	24	51841	-.043329	.268439	.1545296	.0014831	-.05689	-.00342
OCT	25	51842	-.044314	.269969	.1530376	.0015514	-.05725	-.00378
OCT	26	51843	-.045559	.271632	.1514557	.0015905	-.05731	-.00410
OCT	27	51844	-.047000	.273469	.1498830	.0015362	-.05721	-.00429
OCT	28	51845	-.048346	.274962	.1484011	.0013920	-.05698	-.00432
OCT	29	51846	-.049303	.276401	.1471054	.0012110	-.05679	-.00436
OCT	30	51847	-.050109	.278299	.1459751	.0010749	-.05663	-.00429

OCT	31	51848	-.051215	.280539	.1449440	.0009663	-.05654	-.00428
NOV	1	51849	-.052420	.282603	.1440261	.0008497	-.05648	-.00412
NOV	2	51850	-.053741	.284255	.1432254	.0007927	-.05652	-.00408
NOV	3	51851	-.055212	.285953	.1424216	.0008225	-.05634	-.00398
NOV	4	51852	-.056540	.287663	.1415637	.0008798	-.05620	-.00385
NOV	5	51853	-.057754	.289275	.1406494	.0009411	-.05602	-.00380
NOV	6	51854	-.059239	.291165	.1396742	.0010164	-.05590	-.00368
NOV	7	51855	-.060762	.293385	.1386146	.0011159	-.05581	-.00370
NOV	8	51856	-.062182	.295616	.1374468	.0012311	-.05567	-.00368
NOV	9	51857	-.063640	.297625	.1361647	.0013314	-.05542	-.00382
NOV	10	51858	-.065024	.299323	.1348049	.0013693	-.05508	-.00393
NOV	11	51859	-.065938	.300596	.1334523	.0013046	-.05480	-.00397
NOV	12	51860	-.066268	.301720	.1322200	.0011374	-.05455	-.00401
NOV	13	51861	-.066545	.303310	.1311911	.0009246	-.05464	-.00383
NOV	14	51862	-.067521	.305242	.1303679	.0007437	-.05482	-.00360
NOV	15	51863	-.069178	.306984	.1296848	.0006465	-.05535	-.00321
NOV	16	51864	-.071135	.308419	.1290468	.0006069	-.05562	-.00285
NOV	17	51865	-.073020	.309851	.1284433	.0006280	-.05568	-.00274
NOV	18	51866	-.074595	.311545	.1277720	.0007548	-.05549	-.00260
NOV	19	51867	-.075568	.313445	.1269281	.0009250	-.05516	-.00266
NOV	20	51868	-.075801	.315605	.1259301	.0010461	-.05489	-.00274
NOV	21	51869	-.075791	.317939	.1248548	.0011202	-.05463	-.00288
NOV	22	51870	-.075839	.320149	.1237144	.0012018	-.05450	-.00299
NOV	23	51871	-.076096	.322216	.1224756	.0012214	-.05462	-.00305
NOV	24	51872	-.076516	.324095	.1212903	.0010900	-.05484	-.00297
NOV	25	51873	-.077053	.325844	.1203053	.0008646	-.05490	-.00292
NOV	26	51874	-.077673	.327677	.1195612	.0006500	-.05490	-.00275
NOV	27	51875	-.078404	.329653	.1189972	.0005141	-.05455	-.00276
NOV	28	51876	-.079068	.331480	.1185191	.0004667	-.05410	-.00281
NOV	29	51877	-.079355	.333407	.1180463	.0004961	-.05363	-.00280
NOV	30	51878	-.079574	.335223	.1175079	.0005585	-.05312	-.00282
DEC	1	51879	-.080089	.336971	.1169117	.0006095	-.05283	-.00280
DEC	2	51880	-.080577	.338730	.1162749	.0007025	-.05269	-.00275
DEC	3	51881	-.080835	.340383	.1154979	.0008753	-.05273	-.00281
DEC	4	51882	-.080999	.342068	.1145210	.0010486	-.05290	-.00272
DEC	5	51883	-.081355	.343756	.1134025	.0011541	-.05315	-.00268
DEC	6	51884	-.081853	.345369	.1122202	.0012360	-.05342	-.00250
DEC	7	51885	-.082350	.347166	.1109450	.0013353	-.05361	-.00239
DEC	8	51886	-.082869	.349130	.1095711	.0013212	-.05368	-.00232
DEC	9	51887	-.083365	.350970	.1083274	.0011971	-.05369	-.00236
DEC	10	51888	-.083690	.352616	.1071970	.0010849	-.05363	-.00240
DEC	11	51889	-.083746	.354078	.1061644	.0009480	-.05354	-.00239
DEC	12	51890	-.083540	.355428	.1052900	.0007773	-.05327	-.00232
DEC	13	51891	-.082733	.357021	.1045836	.0006649	-.05312	-.00208
DEC	14	51892	-.081417	.359179	.1039292	.0006717	-.05284	-.00178
DEC	15	51893	-.080181	.361342	.1032163	.0007439	-.05270	-.00155
DEC	16	51894	-.079142	.363428	.1024328	.0008473	-.05272	-.00140
DEC	17	51895	-.078264	.365680	.1015299	.0009304	-.05271	-.00148
DEC	18	51896	-.077978	.367870	.1005922	.0009148	-.05271	-.00150
DEC	19	51897	-.078197	.369729	.0997255	.0009034	-.05278	-.00168
DEC	20	51898	-.078625	.371591	.0988090	.0009503	-.05273	-.00193
DEC	21	51899	-.078670	.373838	.0978426	.0008122	-.05269	-.00213
DEC	22	51900	-.078328	.376366	.0971940	.0006058	-.05270	-.00227

DEC	23	51901	-.077906	.378963	.0966320	.0005359	-.05275	-.00241
DEC	24	51902	-.077524	.381559	.0961160	.0004659	-.05274	-.00243
DEC	25	51903	-.077062	.384095	.0956883	.0003644	-.05272	-.00240
DEC	26	51904	-.076558	.386548	.0953714	.0002714	-.05265	-.00231
DEC	27	51905	-.076288	.388781	.0951281	.0002290	-.05241	-.00225
DEC	28	51906	-.076007	.390702	.0948960	.0002468	-.05217	-.00224
DEC	29	51907	-.075412	.392648	.0946198	.0003023	-.05189	-.00220
DEC	30	51908	-.074797	.394532	.0942813	.0003892	-.05167	-.00216
DEC	31	51909	-.074172	.396321	.0938372	.0005177	-.05150	-.00224