

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 ==> 1997

JAN	1	50449	-.02310	.09527	-.110992	.001973	-.03430	-.00498
JAN	2	50450	-.02676	.09571	-.112997	.002028	-.03445	-.00493
JAN	3	50451	-.03034	.09658	-.115040	.002030	-.03460	-.00494
JAN	4	50452	-.03352	.09779	-.117049	.001976	-.03471	-.00498
JAN	5	50453	-.03659	.09934	-.118986	.001906	-.03475	-.00502
JAN	6	50454	-.04035	.10107	-.120861	.001854	-.03463	-.00504
JAN	7	50455	-.04416	.10243	-.122701	.001824	-.03451	-.00501
JAN	8	50456	-.04745	.10344	-.124523	.001821	-.03444	-.00491
JAN	9	50457	-.05035	.10452	-.126363	.001875	-.03430	-.00485
JAN	10	50458	-.05303	.10578	-.128290	.001993	-.03427	-.00474
JAN	11	50459	-.05597	.10701	-.130354	.002131	-.03439	-.00470
JAN	12	50460	-.05884	.10813	-.132541	.002225	-.03458	-.00455
JAN	13	50461	-.06171	.10943	-.134782	.002253	-.03482	-.00454
JAN	14	50462	-.06405	.11088	-.137022	.002241	-.03506	-.00449
JAN	15	50463	-.06594	.11246	-.139242	.002186	-.03532	-.00449
JAN	16	50464	-.06796	.11437	-.141380	.002042	-.03545	-.00446
JAN	17	50465	-.06998	.11655	-.143319	.001833	-.03556	-.00438
JAN	18	50466	-.07194	.11855	-.145049	.001683	-.03551	-.00433
JAN	19	50467	-.07400	.12047	-.146696	.001618	-.03539	-.00437
JAN	20	50468	-.07662	.12260	-.148298	.001546	-.03513	-.00447
JAN	21	50469	-.07964	.12469	-.149802	.001450	-.03488	-.00462
JAN	22	50470	-.08240	.12668	-.151212	.001406	-.03452	-.00480
JAN	23	50471	-.08501	.12847	-.152624	.001440	-.03421	-.00502
JAN	24	50472	-.08777	.13024	-.154099	.001497	-.03392	-.00529
JAN	25	50473	-.09055	.13216	-.155621	.001528	-.03380	-.00545
JAN	26	50474	-.09360	.13401	-.157156	.001555	-.03374	-.00561
JAN	27	50475	-.09677	.13570	-.158727	.001610	-.03372	-.00562
JAN	28	50476	-.09973	.13752	-.160370	.001656	-.03388	-.00558
JAN	29	50477	-.10276	.13949	-.162031	.001635	-.03414	-.00551
JAN	30	50478	-.10568	.14130	-.163630	.001559	-.03443	-.00540
JAN	31	50479	-.10830	.14338	-.165143	.001489	-.03469	-.00533
FEB	1	50480	-.11115	.14562	-.166603	.001435	-.03509	-.00528
FEB	2	50481	-.11453	.14777	-.168013	.001368	-.03532	-.00531
FEB	3	50482	-.11731	.14986	-.169344	.001288	-.03552	-.00529
FEB	4	50483	-.11978	.15201	-.170601	.001263	-.03566	-.00532
FEB	5	50484	-.12252	.15450	-.171889	.001363	-.03570	-.00538
FEB	6	50485	-.12482	.15702	-.173347	.001560	-.03573	-.00538
FEB	7	50486	-.12684	.15939	-.175021	.001754	-.03570	-.00544
FEB	8	50487	-.12854	.16172	-.176853	.001882	-.03563	-.00540

FEB	9	50488	-.13026	.16425	-.178768	.001975	-.03563	-.00537
FEB	10	50489	-.13220	.16741	-.180774	.002062	-.03554	-.00530
FEB	11	50490	-.13401	.17045	-.182860	.002092	-.03561	-.00528
FEB	12	50491	-.13618	.17283	-.184935	.002016	-.03565	-.00533
FEB	13	50492	-.13835	.17542	-.186882	.001868	-.03570	-.00534
FEB	14	50493	-.14043	.17828	-.188672	.001726	-.03581	-.00548
FEB	15	50494	-.14245	.18125	-.190344	.001632	-.03595	-.00563
FEB	16	50495	-.14482	.18406	-.191950	.001565	-.03603	-.00584
FEB	17	50496	-.14750	.18658	-.193491	.001522	-.03600	-.00601
FEB	18	50497	-.15010	.18896	-.195009	.001527	-.03583	-.00611
FEB	19	50498	-.15252	.19121	-.196557	.001570	-.03560	-.00615
FEB	20	50499	-.15506	.19345	-.198159	.001641	-.03537	-.00614
FEB	21	50500	-.15712	.19575	-.199842	.001734	-.03509	-.00619
FEB	22	50501	-.15889	.19827	-.201629	.001833	-.03478	-.00625
FEB	23	50502	-.16036	.20084	-.203506	.001917	-.03462	-.00634
FEB	24	50503	-.16173	.20366	-.205457	.001986	-.03456	-.00648
FEB	25	50504	-.16313	.20703	-.207469	.002029	-.03453	-.00659
FEB	26	50505	-.16504	.21029	-.209506	.002027	-.03465	-.00677
FEB	27	50506	-.16776	.21358	-.211514	.001989	-.03486	-.00699
FEB	28	50507	-.17032	.21715	-.213477	.001962	-.03501	-.00713
MAR	1	50508	-.17234	.22021	-.215436	.001977	-.03509	-.00717
MAR	2	50509	-.17394	.22320	-.217437	.002020	-.03513	-.00727
MAR	3	50510	-.17505	.22650	-.219487	.002064	-.03498	-.00722
MAR	4	50511	-.17565	.22980	-.221581	.002119	-.03481	-.00720
MAR	5	50512	-.17645	.23307	-.223744	.002215	-.03460	-.00702
MAR	6	50513	-.17721	.23632	-.226029	.002362	-.03442	-.00689
MAR	7	50514	-.17822	.23982	-.228477	.002539	-.03420	-.00674
MAR	8	50515	-.18011	.24296	-.231100	.002704	-.03425	-.00661
MAR	9	50516	-.18219	.24595	-.233862	.002812	-.03433	-.00662
MAR	10	50517	-.18421	.24899	-.236691	.002847	-.03459	-.00668
MAR	11	50518	-.18590	.25198	-.239525	.002806	-.03485	-.00691
MAR	12	50519	-.18658	.25523	-.242282	.002689	-.03524	-.00710
MAR	13	50520	-.18653	.25874	-.244896	.002533	-.03549	-.00743
MAR	14	50521	-.18646	.26208	-.247354	.002399	-.03568	-.00778
MAR	15	50522	-.18633	.26588	-.249708	.002330	-.03581	-.00801
MAR	16	50523	-.18681	.27029	-.252032	.002323	-.03571	-.00820
MAR	17	50524	-.18775	.27440	-.254371	.002349	-.03555	-.00822
MAR	18	50525	-.18850	.27791	-.256744	.002383	-.03530	-.00818
MAR	19	50526	-.18872	.28145	-.259148	.002415	-.03493	-.00808
MAR	20	50527	-.18897	.28510	-.261580	.002446	-.03460	-.00794
MAR	21	50528	-.18926	.28874	-.264041	.002486	-.03423	-.00790
MAR	22	50529	-.18951	.29247	-.266550	.002534	-.03403	-.00787
MAR	23	50530	-.18974	.29618	-.269105	.002566	-.03385	-.00790
MAR	24	50531	-.18970	.29986	-.271676	.002570	-.03381	-.00788
MAR	25	50532	-.18951	.30374	-.274237	.002562	-.03396	-.00794
MAR	26	50533	-.18964	.30769	-.276790	.002543	-.03411	-.00804
MAR	27	50534	-.19001	.31180	-.279314	.002495	-.03431	-.00818
MAR	28	50535	-.19029	.31560	-.281777	.002437	-.03454	-.00823
MAR	29	50536	-.19075	.31929	-.284191	.002402	-.03472	-.00824
MAR	30	50537	-.19111	.32320	-.286588	.002386	-.03479	-.00831
MAR	31	50538	-.19134	.32627	-.288977	.002387	-.03472	-.00831
APR	1	50539	-.19111	.32947	-.291379	.002453	-.03449	-.00835
APR	2	50540	-.19046	.33311	-.293901	.002562	-.03426	-.00833

APR	3	50541	-.18948	.33689	-.296517	.002672	-.03389	-.00839
APR	4	50542	-.18839	.34080	-.299247	.002825	-.03368	-.00845
APR	5	50543	-.18681	.34493	-.302155	.002944	-.03363	-.00844
APR	6	50544	-.18584	.34865	-.305111	.002968	-.03367	-.00848
APR	7	50545	-.18572	.35162	-.308059	.002923	-.03384	-.00849
APR	8	50546	-.18465	.35512	-.310929	.002804	-.03426	-.00847
APR	9	50547	-.18396	.35850	-.313650	.002636	-.03476	-.00859
APR	10	50548	-.18277	.36219	-.316198	.002479	-.03521	-.00863
APR	11	50549	-.18160	.36575	-.318619	.002354	-.03558	-.00877
APR	12	50550	-.18067	.36956	-.320921	.002236	-.03572	-.00887
APR	13	50551	-.17957	.37378	-.323107	.002181	-.03577	-.00902
APR	14	50552	-.17920	.37751	-.325298	.002196	-.03560	-.00920
APR	15	50553	-.17915	.38111	-.327513	.002203	-.03520	-.00921
APR	16	50554	-.17847	.38427	-.329713	.002222	-.03472	-.00929
APR	17	50555	-.17782	.38731	-.331961	.002288	-.03420	-.00914
APR	18	50556	-.17707	.39044	-.334290	.002337	-.03375	-.00911
APR	19	50557	-.17582	.39358	-.336632	.002351	-.03344	-.00891
APR	20	50558	-.17487	.39701	-.338986	.002359	-.03329	-.00878
APR	21	50559	-.17355	.40056	-.341343	.002345	-.03335	-.00871
APR	22	50560	-.17301	.40413	-.343666	.002295	-.03344	-.00870
APR	23	50561	-.17266	.40758	-.345924	.002218	-.03369	-.00874
APR	24	50562	-.17239	.41144	-.348096	.002132	-.03398	-.00888
APR	25	50563	-.17090	.41430	-.350186	.002054	-.03431	-.00901
APR	26	50564	-.16869	.41728	-.352209	.001990	-.03451	-.00910
APR	27	50565	-.16695	.42063	-.354179	.001948	-.03454	-.00922
APR	28	50566	-.16555	.42370	-.356123	.001948	-.03459	-.00928
APR	29	50567	-.16441	.42660	-.358092	.002005	-.03442	-.00928
APR	30	50568	-.16365	.42919	-.360146	.002107	-.03430	-.00924
MAY	1	50569	-.16257	.43146	-.362311	.002221	-.03404	-.00909
MAY	2	50570	-.16095	.43439	-.364584	.002331	-.03394	-.00907
MAY	3	50571	-.15896	.43716	-.366957	.002420	-.03385	-.00900
MAY	4	50572	-.15652	.43963	-.369398	.002473	-.03392	-.00898
MAY	5	50573	-.15367	.44298	-.371875	.002500	-.03406	-.00894
MAY	6	50574	-.15052	.44643	-.374377	.002481	-.03421	-.00905
MAY	7	50575	-.14805	.44958	-.376826	.002371	-.03451	-.00919
MAY	8	50576	-.14544	.45252	-.379122	.002208	-.03474	-.00933
MAY	9	50577	-.14240	.45530	-.381255	.002074	-.03492	-.00955
MAY	10	50578	-.13938	.45824	-.383287	.001997	-.03509	-.00971
MAY	11	50579	-.13631	.46134	-.385264	.001958	-.03512	-.00981
MAY	12	50580	-.13378	.46414	-.387216	.001946	-.03509	-.00985
MAY	13	50581	-.13161	.46677	-.389165	.001947	-.03506	-.00983
MAY	14	50582	-.12956	.46925	-.391116	.001957	-.03499	-.00969
MAY	15	50583	-.12772	.47186	-.393081	.001987	-.03489	-.00955
MAY	16	50584	-.12517	.47375	-.395088	.002039	-.03483	-.00934
MAY	17	50585	-.12238	.47587	-.397153	.002079	-.03488	-.00918
MAY	18	50586	-.11947	.47811	-.399240	.002081	-.03504	-.00909
MAY	19	50587	-.11649	.48057	-.401306	.002059	-.03516	-.00897
MAY	20	50588	-.11358	.48321	-.403350	.002047	-.03536	-.00899
MAY	21	50589	-.11072	.48584	-.405392	.002044	-.03560	-.00894
MAY	22	50590	-.10825	.48849	-.407435	.002023	-.03578	-.00897
MAY	23	50591	-.10586	.49087	-.409440	.001980	-.03601	-.00897
MAY	24	50592	-.10352	.49303	-.411404	.001960	-.03616	-.00902
MAY	25	50593	-.10144	.49541	-.413376	.001985	-.03620	-.00900

MAY	26	50594	-.09916	.49778	-.415391	.002045	-.03630	-.00891
MAY	27	50595	-.09690	.49926	-.417480	.002152	-.03642	-.00888
MAY	28	50596	-.09423	.50142	-.419700	.002310	-.03650	-.00884
MAY	29	50597	-.09174	.50440	-.422096	.002455	-.03656	-.00881
MAY	30	50598	-.08963	.50631	-.424598	.002516	-.03664	-.00881
MAY	31	50599	-.08730	.50772	-.427107	.002514	-.03680	-.00878
JUN	1	50600	-.08499	.51000	-.429604	.002474	-.03686	-.00871
JUN	2	50601	-.08271	.51182	-.432035	.002340	-.03694	-.00871
JUN	3	50602	-.08028	.51330	-.434273	.002169	-.03700	-.00864
JUN	4	50603	-.07760	.51497	-.436371	.001985	-.03698	-.00859
JUN	5	50604	-.07502	.51661	-.438251	.001753	-.03690	-.00851
JUN	6	50605	-.07265	.51785	-.439891	.001595	-.03670	-.00850
JUN	7	50606	-.07036	.51876	-.441456	.001513	-.03654	-.00852
JUN	8	50607	-.06819	.51972	-.442931	.001464	-.03648	-.00857
JUN	9	50608	-.06550	.52015	-.444395	.001471	-.03652	-.00867
JUN	10	50609	-.06184	.52017	-.445879	.001496	-.03660	-.00874
JUN	11	50610	-.05801	.52093	-.447391	.001539	-.03684	-.00879
JUN	12	50611	-.05438	.52242	-.448957	.001584	-.03724	-.00887
JUN	13	50612	-.05046	.52399	-.450555	.001582	-.03766	-.00889
JUN	14	50613	-.04680	.52599	-.452115	.001551	-.03813	-.00888
JUN	15	50614	-.04333	.52734	-.453648	.001546	-.03847	-.00884
JUN	16	50615	-.03965	.52807	-.455199	.001537	-.03881	-.00875
JUN	17	50616	-.03604	.52888	-.456716	.001444	-.03901	-.00859
JUN	18	50617	-.03239	.52969	-.458083	.001272	-.03904	-.00843
JUN	19	50618	-.02893	.53059	-.459260	.001120	-.03901	-.00825
JUN	20	50619	-.02521	.53152	-.460330	.001033	-.03888	-.00811
JUN	21	50620	-.02110	.53222	-.461340	.000990	-.03881	-.00801
JUN	22	50621	-.01727	.53282	-.462328	.001014	-.03878	-.00795
JUN	23	50622	-.01281	.53316	-.463385	.001090	-.03886	-.00793
JUN	24	50623	-.00871	.53357	-.464517	.001183	-.03909	-.00799
JUN	25	50624	-.00489	.53398	-.465748	.001288	-.03949	-.00795
JUN	26	50625	-.00113	.53451	-.467078	.001360	-.03984	-.00804
JUN	27	50626	.00244	.53509	-.468446	.001361	-.04028	-.00808
JUN	28	50627	.00638	.53540	-.469777	.001296	-.04075	-.00820
JUN	29	50628	.01051	.53565	-.471019	.001183	-.04107	-.00827
JUN	30	50629	.01485	.53597	-.472131	.001035	-.04126	-.00839
JUL	1	50630	.01916	.53641	.526913	.000865	-.04130	-.00844
JUL	2	50631	.02334	.53673	.526133	.000697	-.04128	-.00848
JUL	3	50632	.02750	.53722	.525508	.000578	-.04121	-.00848
JUL	4	50633	.03113	.53716	.524962	.000540	-.04106	-.00842
JUL	5	50634	.03487	.53674	.524413	.000562	-.04099	-.00840
JUL	6	50635	.03877	.53633	.523827	.000607	-.04109	-.00841
JUL	7	50636	.04241	.53585	.523193	.000668	-.04122	-.00838
JUL	8	50637	.04644	.53502	.522488	.000755	-.04151	-.00844
JUL	9	50638	.05086	.53448	.521684	.000855	-.04186	-.00860
JUL	10	50639	.05489	.53434	.520781	.000941	-.04225	-.00871
JUL	11	50640	.05852	.53391	.519807	.001003	-.04271	-.00888
JUL	12	50641	.06193	.53311	.518783	.001047	-.04307	-.00901
JUL	13	50642	.06518	.53226	.517721	.001082	-.04345	-.00911
JUL	14	50643	.06879	.53143	.516625	.001110	-.04380	-.00914
JUL	15	50644	.07243	.53071	.515504	.001118	-.04398	-.00909
JUL	16	50645	.07571	.52998	.514389	.001104	-.04400	-.00892
JUL	17	50646	.07883	.52919	.513292	.001097	-.04399	-.00880

JUL	18	50647	.08162	.52867	.512185	.001129	-.04383	-.00852
JUL	19	50648	.08449	.52801	.511018	.001210	-.04378	-.00827
JUL	20	50649	.08744	.52648	.509745	.001345	-.04372	-.00807
JUL	21	50650	.09133	.52548	.508314	.001538	-.04379	-.00793
JUL	22	50651	.09554	.52474	.506668	.001769	-.04394	-.00789
JUL	23	50652	.09940	.52364	.504789	.001959	-.04425	-.00787
JUL	24	50653	.10243	.52260	.502773	.002034	-.04456	-.00799
JUL	25	50654	.10526	.52168	.500748	.001994	-.04503	-.00808
JUL	26	50655	.10813	.52094	.498807	.001894	-.04537	-.00834
JUL	27	50656	.11036	.51996	.496973	.001771	-.04572	-.00855
JUL	28	50657	.11252	.51874	.495269	.001608	-.04581	-.00869
JUL	29	50658	.11482	.51724	.493751	.001452	-.04583	-.00883
JUL	30	50659	.11757	.51579	.492353	.001381	-.04571	-.00895
JUL	31	50660	.12030	.51459	.490975	.001319	-.04537	-.00901
AUG	1	50661	.12317	.51336	.489699	.001214	-.04510	-.00891
AUG	2	50662	.12641	.51202	.488533	.001161	-.04488	-.00874
AUG	3	50663	.12946	.51076	.487368	.001213	-.04476	-.00853
AUG	4	50664	.13253	.50950	.486103	.001320	-.04479	-.00838
AUG	5	50665	.13524	.50803	.484727	.001397	-.04499	-.00834
AUG	6	50666	.13777	.50672	.483311	.001415	-.04534	-.00834
AUG	7	50667	.14020	.50566	.481904	.001432	-.04569	-.00838
AUG	8	50668	.14235	.50400	.480454	.001469	-.04616	-.00850
AUG	9	50669	.14475	.50238	.478974	.001453	-.04657	-.00857
AUG	10	50670	.14694	.50042	.477554	.001386	-.04687	-.00860
AUG	11	50671	.14910	.49824	.476206	.001339	-.04710	-.00864
AUG	12	50672	.15132	.49612	.474877	.001323	-.04717	-.00858
AUG	13	50673	.15326	.49404	.473557	.001266	-.04720	-.00848
AUG	14	50674	.15551	.49227	.472338	.001184	-.04725	-.00842
AUG	15	50675	.15765	.49001	.471174	.001207	-.04719	-.00839
AUG	16	50676	.15942	.48756	.469903	.001315	-.04719	-.00841
AUG	17	50677	.16127	.48584	.468525	.001400	-.04722	-.00838
AUG	18	50678	.16299	.48391	.467095	.001499	-.04741	-.00843
AUG	19	50679	.16507	.48159	.465532	.001692	-.04766	-.00850
AUG	20	50680	.16718	.47914	.463733	.001875	-.04795	-.00851
AUG	21	50681	.16917	.47682	.461813	.001902	-.04831	-.00848
AUG	22	50682	.17163	.47463	.459960	.001832	-.04857	-.00852
AUG	23	50683	.17423	.47234	.458170	.001747	-.04865	-.00851
AUG	24	50684	.17679	.47007	.456474	.001590	-.04860	-.00844
AUG	25	50685	.17955	.46821	.454986	.001395	-.04838	-.00849
AUG	26	50686	.18180	.46670	.453672	.001278	-.04789	-.00852
AUG	27	50687	.18371	.46519	.452413	.001260	-.04739	-.00860
AUG	28	50688	.18604	.46331	.451135	.001287	-.04672	-.00862
AUG	29	50689	.18822	.46162	.449826	.001317	-.04617	-.00867
AUG	30	50690	.19011	.45991	.448491	.001353	-.04571	-.00867
AUG	31	50691	.19276	.45765	.447114	.001413	-.04549	-.00863
SEP	1	50692	.19516	.45596	.445663	.001488	-.04554	-.00849
SEP	2	50693	.19746	.45444	.444141	.001548	-.04585	-.00847
SEP	3	50694	.20006	.45269	.442572	.001596	-.04637	-.00829
SEP	4	50695	.20285	.45085	.440957	.001624	-.04714	-.00828
SEP	5	50696	.20497	.44881	.439331	.001608	-.04788	-.00824
SEP	6	50697	.20641	.44634	.437748	.001561	-.04852	-.00825
SEP	7	50698	.20798	.44361	.436216	.001514	-.04901	-.00819
SEP	8	50699	.20959	.44090	.434722	.001460	-.04923	-.00824

SEP	9	50700	.21109	.43828	.433293	.001397	-.04920	-.00835
SEP	10	50701	.21257	.43593	.431920	.001378	-.04887	-.00841
SEP	11	50702	.21405	.43328	.430524	.001417	-.04850	-.00841
SEP	12	50703	.21545	.43048	.429069	.001494	-.04797	-.00834
SEP	13	50704	.21689	.42807	.427515	.001634	-.04755	-.00832
SEP	14	50705	.21770	.42615	.425786	.001839	-.04729	-.00828
SEP	15	50706	.21807	.42425	.423833	.002077	-.04720	-.00814
SEP	16	50707	.21806	.42176	.421644	.002282	-.04735	-.00803
SEP	17	50708	.21804	.41905	.419295	.002399	-.04759	-.00798
SEP	18	50709	.21834	.41658	.416879	.002413	-.04796	-.00790
SEP	19	50710	.21910	.41416	.414501	.002329	-.04828	-.00787
SEP	20	50711	.21990	.41178	.412240	.002184	-.04847	-.00790
SEP	21	50712	.22062	.40918	.410135	.002024	-.04860	-.00794
SEP	22	50713	.22126	.40661	.408183	.001876	-.04847	-.00808
SEP	23	50714	.22171	.40404	.406366	.001763	-.04820	-.00808
SEP	24	50715	.22171	.40101	.404639	.001716	-.04774	-.00812
SEP	25	50716	.22133	.39781	.402917	.001745	-.04718	-.00819
SEP	26	50717	.22124	.39456	.401137	.001814	-.04668	-.00811
SEP	27	50718	.22086	.39115	.399281	.001888	-.04631	-.00798
SEP	28	50719	.22079	.38796	.397358	.001957	-.04611	-.00793
SEP	29	50720	.22105	.38526	.395368	.002004	-.04607	-.00780
SEP	30	50721	.22114	.38211	.393353	.002013	-.04626	-.00771
OCT	1	50722	.22118	.37929	.391349	.002008	-.04652	-.00768
OCT	2	50723	.22148	.37673	.389344	.002018	-.04698	-.00762
OCT	3	50724	.22178	.37346	.387321	.002028	-.04736	-.00761
OCT	4	50725	.22185	.37012	.385296	.002010	-.04760	-.00765
OCT	5	50726	.22211	.36715	.383306	.001960	-.04768	-.00769
OCT	6	50727	.22229	.36429	.381375	.001895	-.04759	-.00762
OCT	7	50728	.22252	.36199	.379510	.001839	-.04738	-.00760
OCT	8	50729	.22252	.35966	.377686	.001825	-.04702	-.00752
OCT	9	50730	.22261	.35745	.375844	.001881	-.04667	-.00737
OCT	10	50731	.22228	.35522	.373906	.002007	-.04631	-.00717
OCT	11	50732	.22232	.35268	.371813	.002172	-.04609	-.00693
OCT	12	50733	.22317	.35002	.369552	.002337	-.04605	-.00678
OCT	13	50734	.22407	.34723	.367142	.002477	-.04615	-.00666
OCT	14	50735	.22446	.34434	.364615	.002576	-.04638	-.00659
OCT	15	50736	.22482	.34186	.362018	.002614	-.04675	-.00669
OCT	16	50737	.22544	.33956	.359420	.002571	-.04708	-.00674
OCT	17	50738	.22575	.33653	.356904	.002441	-.04742	-.00686
OCT	18	50739	.22549	.33383	.354553	.002257	-.04751	-.00700
OCT	19	50740	.22585	.33077	.352388	.002076	-.04743	-.00714
OCT	20	50741	.22672	.32754	.350388	.001931	-.04710	-.00715
OCT	21	50742	.22766	.32476	.348508	.001832	-.04656	-.00721
OCT	22	50743	.22818	.32231	.346706	.001774	-.04579	-.00721
OCT	23	50744	.22800	.31999	.344946	.001756	-.04507	-.00704
OCT	24	50745	.22757	.31720	.343184	.001781	-.04445	-.00692
OCT	25	50746	.22701	.31442	.341379	.001838	-.04399	-.00678
OCT	26	50747	.22623	.31168	.339508	.001900	-.04380	-.00664
OCT	27	50748	.22555	.30885	.337581	.001950	-.04375	-.00653
OCT	28	50749	.22430	.30569	.335615	.001992	-.04400	-.00638
OCT	29	50750	.22255	.30233	.333606	.002042	-.04437	-.00640
OCT	30	50751	.22113	.29890	.331539	.002100	-.04488	-.00638
OCT	31	50752	.21918	.29536	.329412	.002142	-.04527	-.00650

NOV	1	50753	.21789	.29217	.327260	.002139	-.04550	-.00655
NOV	2	50754	.21766	.28959	.325136	.002093	-.04567	-.00668
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NOV	12	50764	.21022	.26607	.301878	.002611	-.04358	-.00542
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NOV	21	50773	.19752	.24545	.285054	.001607	-.04189	-.00543
NOV	22	50774	.19575	.24248	.283430	.001632	-.04155	-.00528
NOV	23	50775	.19416	.23961	.281792	.001641	-.04146	-.00516
NOV	24	50776	.19235	.23677	.280152	.001645	-.04158	-.00519
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NOV	26	50778	.18839	.23214	.276874	.001624	-.04219	-.00525
NOV	27	50779	.18615	.23041	.275270	.001577	-.04263	-.00536
NOV	28	50780	.18370	.22847	.273725	.001514	-.04301	-.00540
NOV	29	50781	.18106	.22675	.272244	.001454	-.04323	-.00544
NOV	30	50782	.17820	.22516	.270816	.001404	-.04319	-.00545
DEC	1	50783	.17561	.22336	.269430	.001375	-.04305	-.00541
DEC	2	50784	.17349	.22145	.268054	.001380	-.04269	-.00531
DEC	3	50785	.17188	.21908	.266653	.001422	-.04216	-.00514
DEC	4	50786	.17046	.21709	.265194	.001512	-.04175	-.00492
DEC	5	50787	.16875	.21558	.263617	.001650	-.04129	-.00468
DEC	6	50788	.16652	.21389	.261891	.001825	-.04100	-.00444
DEC	7	50789	.16400	.21202	.259974	.002046	-.04096	-.00423
DEC	8	50790	.16148	.21028	.257813	.002238	-.04101	-.00408
DEC	9	50791	.15925	.20841	.255520	.002293	-.04127	-.00400
DEC	10	50792	.15726	.20659	.253250	.002230	-.04148	-.00398
DEC	11	50793	.15561	.20499	.251080	.002114	-.04187	-.00410
DEC	12	50794	.15414	.20349	.249033	.001963	-.04210	-.00415
DEC	13	50795	.15229	.20223	.247153	.001785	-.04216	-.00428
DEC	14	50796	.14987	.20074	.245451	.001630	-.04219	-.00438
DEC	15	50797	.14668	.19837	.243876	.001537	-.04203	-.00442
DEC	16	50798	.14374	.19606	.242361	.001494	-.04177	-.00439
DEC	17	50799	.14116	.19416	.240875	.001480	-.04147	-.00440
DEC	18	50800	.13904	.19240	.239393	.001505	-.04121	-.00437
DEC	19	50801	.13734	.19107	.237862	.001564	-.04101	-.00423
DEC	20	50802	.13509	.19048	.236266	.001611	-.04088	-.00420
DEC	21	50803	.13232	.18964	.234645	.001642	-.04087	-.00411
DEC	22	50804	.12969	.18819	.232988	.001689	-.04103	-.00408
DEC	23	50805	.12682	.18683	.231273	.001726	-.04129	-.00412

DEC	24	50806	.12359	.18508	.229543	.001704	-.04156	-.00422
DEC	25	50807	.12075	.18322	.227872	.001619	-.04180	-.00435
DEC	26	50808	.11812	.18149	.226307	.001513	-.04207	-.00450
DEC	27	50809	.11551	.17987	.224846	.001414	-.04218	-.00452
DEC	28	50810	.11295	.17853	.223475	.001333	-.04217	-.00460
DEC	29	50811	.11041	.17753	.222170	.001290	-.04200	-.00452
DEC	30	50812	.10760	.17650	.220880	.001301	-.04176	-.00447
DEC	31	50813	.10484	.17550	.219551	.001364	-.04150	-.00436