

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)

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Date	MJD	x	y	UT1-UTC	LOD	dPsi	dEpsilon
		"	"	s	s	"	"
(0h UTC)							
YEAR ==> 2002							
JAN	1	52275-0.176980	0.293952-0.1158223	0.0008163	-0.05318	-0.00065	
JAN	2	52276-0.177500	0.297468-0.1166973	0.0009382	-0.05297	-0.00072	
JAN	3	52277-0.178391	0.300728-0.1177087	0.0011054	-0.05288	-0.00083	
JAN	4	52278-0.179118	0.303603-0.1188979	0.0012862	-0.05294	-0.00095	
JAN	5	52279-0.179578	0.306366-0.1202541	0.0013914	-0.05312	-0.00107	
JAN	6	52280-0.179968	0.309409-0.1216453	0.0013458	-0.05339	-0.00115	
JAN	7	52281-0.180625	0.312570-0.1229114	0.0011741	-0.05366	-0.00115	
JAN	8	52282-0.181756	0.315413-0.1239680	0.0009538	-0.05386	-0.00110	
JAN	9	52283-0.182769	0.318181-0.1248068	0.0007262	-0.05393	-0.00101	
JAN	10	52284-0.183080	0.321083-0.1254226	0.0004857	-0.05385	-0.00095	
JAN	11	52285-0.183069	0.324132-0.1257923	0.0003016	-0.05366	-0.00098	
JAN	12	52286-0.182796	0.327319-0.1260474	0.0001576	-0.05343	-0.00115	
JAN	13	52287-0.182277	0.330399-0.1261312	0.0000070	-0.05321	-0.00136	
JAN	14	52288-0.181693	0.333487-0.1260832	-0.0000442	-0.05306	-0.00154	
JAN	15	52289-0.181286	0.336678-0.1260595	0.0000285	-0.05299	-0.00162	
JAN	16	52290-0.180696	0.339705-0.1261501	0.0001246	-0.05295	-0.00153	
JAN	17	52291-0.179888	0.342786-0.1263116	0.0002201	-0.05302	-0.00142	
JAN	18	52292-0.179268	0.345982-0.1265863	0.0003634	-0.05321	-0.00139	
JAN	19	52293-0.178792	0.349120-0.1270285	0.0004990	-0.05328	-0.00140	
JAN	20	52294-0.178458	0.352176-0.1275707	0.0005628	-0.05320	-0.00142	
JAN	21	52295-0.178219	0.355157-0.1281392	0.0005811	-0.05305	-0.00142	
JAN	22	52296-0.177767	0.358327-0.1287184	0.0005916	-0.05298	-0.00138	
JAN	23	52297-0.177109	0.361857-0.1293093	0.0005776	-0.05308	-0.00133	
JAN	24	52298-0.176571	0.365256-0.1298637	0.0004991	-0.05343	-0.00125	
JAN	25	52299-0.175843	0.368658-0.1303047	0.0003858	-0.05388	-0.00125	
JAN	26	52300-0.175080	0.372080-0.1306447	0.0003065	-0.05432	-0.00147	
JAN	27	52301-0.174386	0.375351-0.1309415	0.0003179	-0.05452	-0.00178	
JAN	28	52302-0.173624	0.378624-0.1313151	0.0004632	-0.05436	-0.00207	
JAN	29	52303-0.172888	0.381919-0.1319019	0.0007208	-0.05382	-0.00221	
JAN	30	52304-0.172163	0.385044-0.1327769	0.0010058	-0.05302	-0.00211	
JAN	31	52305-0.170831	0.388182-0.1339102	0.0012241	-0.05239	-0.00191	
FEB	1	52306-0.168969	0.391415-0.1351984	0.0013690	-0.05216	-0.00168	
FEB	2	52307-0.167424	0.394619-0.1366068	0.0014594	-0.05240	-0.00150	
FEB	3	52308-0.166410	0.397766-0.1380746	0.0014584	-0.05296	-0.00140	
FEB	4	52309-0.165550	0.400751-0.1394921	0.0013356	-0.05359	-0.00138	
FEB	5	52310-0.164350	0.403441-0.1407313	0.0011082	-0.05403	-0.00143	
FEB	6	52311-0.163205	0.406250-0.1417107	0.0008499	-0.05398	-0.00150	
FEB	7	52312-0.162254	0.409275-0.1424462	0.0006453	-0.05367	-0.00163	
FEB	8	52313-0.161176	0.412266-0.1430236	0.0004859	-0.05336	-0.00181	
FEB	9	52314-0.159769	0.415288-0.1434423	0.0003893	-0.05297	-0.00201	
FEB	10	52315-0.157971	0.418703-0.1438246	0.0004048	-0.05261	-0.00216	
FEB	11	52316-0.156033	0.422328-0.1442697	0.0004816	-0.05242	-0.00222	

FEB	12	52317-0.154401	0.425667-0.1447996	0.0005712	-0.05247	-0.00217
FEB	13	52318-0.153290	0.428709-0.1454168	0.0006816	-0.05277	-0.00204
FEB	14	52319-0.152422	0.431594-0.1461603	0.0007902	-0.05290	-0.00197
FEB	15	52320-0.151425	0.434310-0.1469883	0.0008811	-0.05282	-0.00201
FEB	16	52321-0.150147	0.436962-0.1479088	0.0009837	-0.05276	-0.00212
FEB	17	52322-0.148525	0.439627-0.1489398	0.0010642	-0.05274	-0.00225
FEB	18	52323-0.146797	0.442304-0.1500218	0.0010657	-0.05271	-0.00238
FEB	19	52324-0.145289	0.445049-0.1510587	0.0009974	-0.05267	-0.00249
FEB	20	52325-0.143811	0.447811-0.1520077	0.0009121	-0.05263	-0.00256
FEB	21	52326-0.142074	0.450703-0.1528794	0.0008198	-0.05253	-0.00260
FEB	22	52327-0.140254	0.453859-0.1536527	0.0007424	-0.05250	-0.00270
FEB	23	52328-0.138453	0.457125-0.1543817	0.0006997	-0.05269	-0.00294
FEB	24	52329-0.136538	0.460522-0.1550825	0.0006985	-0.05294	-0.00326
FEB	25	52330-0.134082	0.463716-0.1558158	0.0008059	-0.05307	-0.00355
FEB	26	52331-0.131072	0.466837-0.1567254	0.0010587	-0.05299	-0.00371
FEB	27	52332-0.128357	0.470101-0.1579444	0.0013688	-0.05251	-0.00358
FEB	28	52333-0.126010	0.473327-0.1594466	0.0015604	-0.05196	-0.00332
MAR	1	52334-0.123387	0.476449-0.1610248	0.0016358	-0.05155	-0.00302
MAR	2	52335-0.120689	0.479620-0.1626673	0.0016409	-0.05156	-0.00290
MAR	3	52336-0.118464	0.482757-0.1642617	0.0015107	-0.05188	-0.00292
MAR	4	52337-0.116665	0.485769-0.1656627	0.0012709	-0.05227	-0.00301
MAR	5	52338-0.114517	0.488783-0.1667999	0.0010112	-0.05251	-0.00314
MAR	6	52339-0.111739	0.491599-0.1676995	0.0008016	-0.05240	-0.00320
MAR	7	52340-0.108642	0.494277-0.1684277	0.0006536	-0.05239	-0.00343
MAR	8	52341-0.105506	0.496949-0.1690339	0.0005770	-0.05209	-0.00356
MAR	9	52342-0.102289	0.499620-0.1696063	0.0005543	-0.05161	-0.00367
MAR	10	52343-0.099184	0.502381-0.1701623	0.0005678	-0.05122	-0.00373
MAR	11	52344-0.096817	0.505078-0.1707553	0.0006557	-0.05103	-0.00369
MAR	12	52345-0.095050	0.507539-0.1714803	0.0008118	-0.05112	-0.00352
MAR	13	52346-0.092792	0.509881-0.1723784	0.0009501	-0.05147	-0.00323
MAR	14	52347-0.090235	0.512112-0.1733732	0.0009975	-0.05164	-0.00306
MAR	15	52348-0.087672	0.514322-0.1743603	0.0009733	-0.05159	-0.00306
MAR	16	52349-0.084888	0.516440-0.1753031	0.0009332	-0.05152	-0.00314
MAR	17	52350-0.081843	0.518321-0.1762094	0.0008821	-0.05142	-0.00326
MAR	18	52351-0.078727	0.520198-0.1770526	0.0007891	-0.05129	-0.00342
MAR	19	52352-0.075622	0.522183-0.1777775	0.0006538	-0.05116	-0.00358
MAR	20	52353-0.072516	0.523912-0.1783567	0.0005216	-0.05100	-0.00373
MAR	21	52354-0.069275	0.525535-0.1788247	0.0004280	-0.05090	-0.00390
MAR	22	52355-0.065772	0.527343-0.1792262	0.0003846	-0.05086	-0.00410
MAR	23	52356-0.062281	0.529079-0.1796185	0.0004106	-0.05093	-0.00440
MAR	24	52357-0.058824	0.530558-0.1800812	0.0005180	-0.05100	-0.00469
MAR	25	52358-0.055153	0.532119-0.1806895	0.0007096	-0.05098	-0.00487
MAR	26	52359-0.051397	0.533864-0.1815243	0.0009854	-0.05080	-0.00486
MAR	27	52360-0.047931	0.535645-0.1826610	0.0013017	-0.05047	-0.00462
MAR	28	52361-0.044864	0.537216-0.1841003	0.0015289	-0.05015	-0.00445
MAR	29	52362-0.041741	0.538411-0.1856701	0.0015455	-0.04987	-0.00428
MAR	30	52363-0.038242	0.539374-0.1871373	0.0013952	-0.04967	-0.00410
MAR	31	52364-0.034492	0.540084-0.1884192	0.0011772	-0.04959	-0.00402
APR	1	52365-0.030738	0.540622-0.1894739	0.0009267	-0.04964	-0.00408
APR	2	52366-0.026965	0.541061-0.1902792	0.0006797	-0.04982	-0.00430
APR	3	52367-0.023008	0.541677-0.1908568	0.0004886	-0.05010	-0.00462
APR	4	52368-0.018839	0.542757-0.1912867	0.0003968	-0.05044	-0.00499
APR	5	52369-0.014945	0.544173-0.1916791	0.0003826	-0.05076	-0.00508

APR	6	52370	-0.011599	0.545664	-0.1920746	0.0004276	-0.05102	-0.00499
APR	7	52371	-0.008713	0.546907	-0.1925501	0.0005303	-0.05112	-0.00483
APR	8	52372	-0.006179	0.547801	-0.1931437	0.0006463	-0.05097	-0.00462
APR	9	52373	-0.003798	0.548587	-0.1938441	0.0007510	-0.05060	-0.00442
APR	10	52374	-0.001796	0.549220	-0.1946401	0.0008565	-0.05002	-0.00427
APR	11	52375	0.000617	0.549611	-0.1955456	0.0009451	-0.04988	-0.00409
APR	12	52376	0.003739	0.550308	-0.1965146	0.0009643	-0.05015	-0.00393
APR	13	52377	0.006831	0.551201	-0.1974563	0.0009140	-0.05031	-0.00395
APR	14	52378	0.009928	0.551829	-0.1983255	0.0008033	-0.05031	-0.00412
APR	15	52379	0.012899	0.552439	-0.1990499	0.0006245	-0.05023	-0.00437
APR	16	52380	0.015675	0.553121	-0.1995684	0.0004292	-0.05014	-0.00463
APR	17	52381	0.018827	0.553651	-0.1999109	0.0003069	-0.05019	-0.00483
APR	18	52382	0.022148	0.554082	-0.2001944	0.0002641	-0.05029	-0.00497
APR	19	52383	0.025494	0.554493	-0.2004604	0.0002325	-0.05037	-0.00508
APR	20	52384	0.028940	0.554827	-0.2006884	0.0002422	-0.05034	-0.00518
APR	21	52385	0.032051	0.554939	-0.2009772	0.0003784	-0.05020	-0.00528
APR	22	52386	0.034892	0.554889	-0.2014729	0.0006351	-0.05000	-0.00535
APR	23	52387	0.037834	0.554767	-0.2022598	0.0009274	-0.04981	-0.00536
APR	24	52388	0.041193	0.554583	-0.2033164	0.0011758	-0.04969	-0.00528
APR	25	52389	0.044906	0.554446	-0.2045758	0.0013656	-0.04969	-0.00513
APR	26	52390	0.048678	0.554325	-0.2059968	0.0014264	-0.04982	-0.00495
APR	27	52391	0.052506	0.553919	-0.2073790	0.0013054	-0.05004	-0.00478
APR	28	52392	0.056259	0.553304	-0.2085750	0.0010464	-0.05031	-0.00471
APR	29	52393	0.059967	0.552862	-0.2094643	0.0007095	-0.05057	-0.00478
APR	30	52394	0.063530	0.552626	-0.2100094	0.0004127	-0.05075	-0.00498
MAY	1	52395	0.066799	0.552504	-0.2103189	0.0002633	-0.05086	-0.00529
MAY	2	52396	0.070036	0.552223	-0.2105680	0.0002083	-0.05083	-0.00554
MAY	3	52397	0.073384	0.551941	-0.2107625	0.0002093	-0.05067	-0.00563
MAY	4	52398	0.076893	0.551765	-0.2110055	0.0003151	-0.05036	-0.00535
MAY	5	52399	0.080714	0.551656	-0.2114033	0.0004747	-0.05005	-0.00493
MAY	6	52400	0.084739	0.551522	-0.2119579	0.0006145	-0.04987	-0.00461
MAY	7	52401	0.088538	0.551196	-0.2126284	0.0007365	-0.04989	-0.00455
MAY	8	52402	0.091590	0.550702	-0.2134209	0.0008738	-0.05011	-0.00489
MAY	9	52403	0.094291	0.549925	-0.2143618	0.0009664	-0.05069	-0.00478
MAY	10	52404	0.097673	0.549162	-0.2153365	0.0009849	-0.05096	-0.00465
MAY	11	52405	0.101100	0.548790	-0.2163141	0.0009703	-0.05098	-0.00467
MAY	12	52406	0.103978	0.548319	-0.2172619	0.0008924	-0.05089	-0.00483
MAY	13	52407	0.106819	0.547516	-0.2180895	0.0007421	-0.05078	-0.00506
MAY	14	52408	0.109738	0.546615	-0.2187455	0.0005988	-0.05076	-0.00530
MAY	15	52409	0.112133	0.545482	-0.2192970	0.0005455	-0.05092	-0.00545
MAY	16	52410	0.114224	0.543977	-0.2198566	0.0005169	-0.05109	-0.00553
MAY	17	52411	0.116512	0.542395	-0.2203583	0.0004848	-0.05111	-0.00553
MAY	18	52412	0.119101	0.541186	-0.2208560	0.0005584	-0.05099	-0.00550
MAY	19	52413	0.122017	0.540428	-0.2215009	0.0007746	-0.05078	-0.00547
MAY	20	52414	0.125243	0.539908	-0.2224201	0.0010633	-0.05061	-0.00544
MAY	21	52415	0.128457	0.539448	-0.2236253	0.0013034	-0.05059	-0.00541
MAY	22	52416	0.131221	0.538782	-0.2250042	0.0014159	-0.05084	-0.00534
MAY	23	52417	0.133680	0.537874	-0.2264176	0.0014229	-0.05130	-0.00524
MAY	24	52418	0.135974	0.536973	-0.2278040	0.0013225	-0.05184	-0.00511
MAY	25	52419	0.138211	0.536007	-0.2290239	0.0010837	-0.05223	-0.00496
MAY	26	52420	0.140540	0.534901	-0.2299518	0.0007596	-0.05239	-0.00485
MAY	27	52421	0.143240	0.533728	-0.2305469	0.0004427	-0.05232	-0.00482
MAY	28	52422	0.146262	0.532600	-0.2308598	0.0002060	-0.05207	-0.00489

MAY	29	52423	0.149122	0.531381-0.2309901	0.0000727	-0.05177	-0.00506
MAY	30	52424	0.151913	0.529980-0.2310354	0.0000279	-0.05164	-0.00530
MAY	31	52425	0.154714	0.528519-0.2310690	0.0000333	-0.05160	-0.00551
JUN	1	52426	0.157322	0.527014-0.2311157	0.0000634	-0.05148	-0.00564
JUN	2	52427	0.159869	0.525264-0.2312009	0.0001257	-0.05138	-0.00563
JUN	3	52428	0.162497	0.523380-0.2313646	0.0002080	-0.05146	-0.00551
JUN	4	52429	0.165244	0.521637-0.2316078	0.0002427	-0.05177	-0.00532
JUN	5	52430	0.168311	0.520014-0.2318365	0.0001734	-0.05238	-0.00511
JUN	6	52431	0.171437	0.518401-0.2319386	0.0000684	-0.05301	-0.00499
JUN	7	52432	0.174530	0.516741-0.2319567	-0.0000199	-0.05353	-0.00498
JUN	8	52433	0.177651	0.515056-0.2318835	-0.0001372	-0.05380	-0.00505
JUN	9	52434	0.180695	0.513426-0.2316707	-0.0002981	-0.05386	-0.00516
JUN	10	52435	0.183570	0.511752-0.2312828	-0.0004736	-0.05381	-0.00529
JUN	11	52436	0.186112	0.509887-0.2307294	-0.0006188	-0.05375	-0.00541
JUN	12	52437	0.188405	0.507800-0.2300628	-0.0006984	-0.05377	-0.00552
JUN	13	52438	0.190810	0.505711-0.2293598	-0.0006972	-0.05383	-0.00557
JUN	14	52439	0.193236	0.503904-0.2286993	-0.0005806	-0.05389	-0.00557
JUN	15	52440	0.195887	0.502165-0.2282252	-0.0003693	-0.05379	-0.00553
JUN	16	52441	0.199099	0.500071-0.2279754	-0.0001413	-0.05351	-0.00549
JUN	17	52442	0.202287	0.497733-0.2279408	0.0000663	-0.05324	-0.00542
JUN	18	52443	0.204932	0.495344-0.2280889	0.0002231	-0.05314	-0.00533
JUN	19	52444	0.207499	0.492815-0.2283541	0.0003052	-0.05334	-0.00520
JUN	20	52445	0.210233	0.490519-0.2286600	0.0003350	-0.05406	-0.00502
JUN	21	52446	0.212632	0.488674-0.2289880	0.0003091	-0.05501	-0.00482
JUN	22	52447	0.214620	0.486694-0.2292551	0.0001798	-0.05540	-0.00470
JUN	23	52448	0.216554	0.484321-0.2293435	-0.0000043	-0.05532	-0.00469
JUN	24	52449	0.218253	0.481809-0.2292611	-0.0001282	-0.05513	-0.00479
JUN	25	52450	0.219552	0.479157-0.2291142	-0.0001591	-0.05507	-0.00496
JUN	26	52451	0.220890	0.476292-0.2289734	-0.0001520	-0.05544	-0.00515
JUN	27	52452	0.222501	0.473212-0.2288362	-0.0001040	-0.05541	-0.00540
JUN	28	52453	0.224413	0.470102-0.2287827	0.0000144	-0.05514	-0.00564
JUN	29	52454	0.226030	0.467220-0.2288726	0.0001222	-0.05527	-0.00570
JUN	30	52455	0.227213	0.464469-0.2290263	0.0001855	-0.05564	-0.00562
JUL	1	52456	0.228173	0.461586-0.2292356	0.0002786	-0.05603	-0.00546
JUL	2	52457	0.228778	0.458511-0.2295705	0.0003998	-0.05630	-0.00532
JUL	3	52458	0.229449	0.455558-0.2300194	0.0004357	-0.05635	-0.00524
JUL	4	52459	0.230002	0.452634-0.2304256	0.0003878	-0.05641	-0.00518
JUL	5	52460	0.230385	0.449609-0.2307803	0.0003157	-0.05660	-0.00512
JUL	6	52461	0.230833	0.446327-0.2310453	0.0001863	-0.05695	-0.00508
JUL	7	52462	0.231567	0.442795-0.2311461	0.0000220	-0.05742	-0.00508
JUL	8	52463	0.232357	0.439471-0.2310908	-0.0001169	-0.05790	-0.00514
JUL	9	52464	0.233085	0.436331-0.2309252	-0.0002169	-0.05827	-0.00526
JUL	10	52465	0.234064	0.433255-0.2306818	-0.0002784	-0.05840	-0.00543
JUL	11	52466	0.235413	0.430325-0.2304011	-0.0002665	-0.05836	-0.00560
JUL	12	52467	0.236827	0.427391-0.2301801	-0.0001070	-0.05787	-0.00547
JUL	13	52468	0.238092	0.424383-0.2302063	0.0001428	-0.05751	-0.00530
JUL	14	52469	0.239202	0.421309-0.2304658	0.0003597	-0.05741	-0.00525
JUL	15	52470	0.240216	0.418247-0.2309055	0.0005255	-0.05759	-0.00526
JUL	16	52471	0.241158	0.415467-0.2314820	0.0006004	-0.05797	-0.00531
JUL	17	52472	0.241954	0.412778-0.2320667	0.0005251	-0.05834	-0.00531
JUL	18	52473	0.242937	0.410241-0.2324973	0.0003809	-0.05871	-0.00526
JUL	19	52474	0.243912	0.408068-0.2328063	0.0001783	-0.05905	-0.00518
JUL	20	52475	0.244369	0.405593-0.2328486	-0.0001296	-0.05934	-0.00507

JUL	21	52476	0.244773	0.402647-0.2325584	-0.0004182	-0.05955	-0.00499
JUL	22	52477	0.245530	0.399669-0.2320355	-0.0005906	-0.05968	-0.00501
JUL	23	52478	0.246253	0.396886-0.2314061	-0.0006718	-0.05973	-0.00513
JUL	24	52479	0.246635	0.394056-0.2307189	-0.0007124	-0.05976	-0.00540
JUL	25	52480	0.246960	0.391029-0.2300012	-0.0006592	-0.05961	-0.00555
JUL	26	52481	0.246955	0.387852-0.2294111	-0.0005107	-0.05917	-0.00542
JUL	27	52482	0.246867	0.384335-0.2289813	-0.0003614	-0.05886	-0.00524
JUL	28	52483	0.247174	0.380538-0.2286818	-0.0002472	-0.05888	-0.00513
JUL	29	52484	0.247691	0.376772-0.2284745	-0.0001766	-0.05921	-0.00509
JUL	30	52485	0.248530	0.373198-0.2283126	-0.0001644	-0.05978	-0.00509
JUL	31	52486	0.249844	0.369831-0.2281290	-0.0002179	-0.06042	-0.00507
AUG	1	52487	0.251251	0.366777-0.2278619	-0.0003005	-0.06099	-0.00503
AUG	2	52488	0.252232	0.364125-0.2275166	-0.0003693	-0.06136	-0.00501
AUG	3	52489	0.253009	0.361517-0.2271164	-0.0004600	-0.06129	-0.00496
AUG	4	52490	0.253973	0.358909-0.2265960	-0.0005989	-0.06111	-0.00496
AUG	5	52491	0.254983	0.356280-0.2259267	-0.0007217	-0.06103	-0.00506
AUG	6	52492	0.255755	0.353296-0.2251721	-0.0007533	-0.06118	-0.00528
AUG	7	52493	0.256726	0.350192-0.2244506	-0.0006705	-0.06167	-0.00559
AUG	8	52494	0.257935	0.347366-0.2238666	-0.0004816	-0.06154	-0.00562
AUG	9	52495	0.259058	0.344730-0.2235159	-0.0001870	-0.06095	-0.00541
AUG	10	52496	0.259938	0.342210-0.2235022	0.0001413	-0.06077	-0.00526
AUG	11	52497	0.260422	0.339682-0.2237829	0.0003935	-0.06107	-0.00517
AUG	12	52498	0.260504	0.336823-0.2242519	0.0005330	-0.06165	-0.00515
AUG	13	52499	0.260660	0.333726-0.2248017	0.0005598	-0.06231	-0.00517
AUG	14	52500	0.260871	0.330796-0.2253290	0.0004712	-0.06269	-0.00519
AUG	15	52501	0.260804	0.328148-0.2257174	0.0002715	-0.06282	-0.00523
AUG	16	52502	0.260586	0.325575-0.2258654	0.0000368	-0.06275	-0.00526
AUG	17	52503	0.260273	0.322960-0.2258026	-0.0001637	-0.06265	-0.00528
AUG	18	52504	0.259750	0.320256-0.2255620	-0.0003188	-0.06255	-0.00530
AUG	19	52505	0.259124	0.317485-0.2251940	-0.0004022	-0.06248	-0.00532
AUG	20	52506	0.258485	0.314647-0.2247854	-0.0003847	-0.06247	-0.00533
AUG	21	52507	0.257842	0.311702-0.2244462	-0.0002649	-0.06248	-0.00533
AUG	22	52508	0.257221	0.308604-0.2242684	-0.0000886	-0.06252	-0.00530
AUG	23	52509	0.256762	0.305367-0.2242727	0.0000459	-0.06256	-0.00523
AUG	24	52510	0.256267	0.302064-0.2243557	0.0001388	-0.06260	-0.00511
AUG	25	52511	0.255551	0.298639-0.2245388	0.0002444	-0.06259	-0.00496
AUG	26	52512	0.254887	0.295128-0.2248286	0.0003221	-0.06249	-0.00482
AUG	27	52513	0.254560	0.291657-0.2251653	0.0003325	-0.06235	-0.00470
AUG	28	52514	0.254591	0.288367-0.2254771	0.0002837	-0.06216	-0.00462
AUG	29	52515	0.254561	0.285390-0.2257202	0.0001758	-0.06225	-0.00460
AUG	30	52516	0.254156	0.282340-0.2258216	0.0000372	-0.06277	-0.00467
AUG	31	52517	0.253569	0.279171-0.2257935	-0.0000971	-0.06339	-0.00479
SEP	1	52518	0.252801	0.276025-0.2256334	-0.0002138	-0.06385	-0.00492
SEP	2	52519	0.251624	0.272825-0.2253807	-0.0002619	-0.06396	-0.00503
SEP	3	52520	0.250143	0.269658-0.2251351	-0.0002170	-0.06363	-0.00509
SEP	4	52521	0.248971	0.266619-0.2249808	-0.0000954	-0.06290	-0.00509
SEP	5	52522	0.248278	0.263561-0.2249789	0.0000818	-0.06270	-0.00496
SEP	6	52523	0.247476	0.260624-0.2251668	0.0003580	-0.06265	-0.00494
SEP	7	52524	0.246248	0.258013-0.2256932	0.0006956	-0.06293	-0.00499
SEP	8	52525	0.244645	0.255636-0.2265284	0.0009578	-0.06345	-0.00505
SEP	9	52526	0.242774	0.253219-0.2275589	0.0010666	-0.06382	-0.00505
SEP	10	52527	0.241031	0.250552-0.2286077	0.0009644	-0.06366	-0.00495
SEP	11	52528	0.239374	0.247979-0.2294471	0.0006878	-0.06368	-0.00495

SEP	12	52529	0.237541	0.245477-0.2299667	0.0004201	-0.06367	-0.00498
SEP	13	52530	0.235813	0.242716-0.2302954	0.0002230	-0.06325	-0.00489
SEP	14	52531	0.234232	0.239635-0.2304382	0.0000593	-0.06286	-0.00477
SEP	15	52532	0.232896	0.236757-0.2304465	-0.0000326	-0.06271	-0.00472
SEP	16	52533	0.231689	0.234536-0.2304039	-0.0000454	-0.06277	-0.00474
SEP	17	52534	0.230142	0.232662-0.2303797	-0.0000059	-0.06292	-0.00482
SEP	18	52535	0.228023	0.230880-0.2304072	0.0000773	-0.06305	-0.00495
SEP	19	52536	0.225369	0.229140-0.2305404	0.0001789	-0.06294	-0.00489
SEP	20	52537	0.222381	0.227196-0.2307626	0.0002770	-0.06263	-0.00464
SEP	21	52538	0.219448	0.224917-0.2310849	0.0003708	-0.06230	-0.00440
SEP	22	52539	0.216765	0.222664-0.2314891	0.0004362	-0.06202	-0.00420
SEP	23	52540	0.214382	0.220338-0.2319393	0.0004591	-0.06186	-0.00408
SEP	24	52541	0.212315	0.217814-0.2323892	0.0004221	-0.06183	-0.00404
SEP	25	52542	0.210443	0.215445-0.2327687	0.0003164	-0.06200	-0.00403
SEP	26	52543	0.208771	0.213094-0.2330126	0.0001719	-0.06209	-0.00413
SEP	27	52544	0.206864	0.210810-0.2331105	0.0000852	-0.06189	-0.00434
SEP	28	52545	0.204734	0.208453-0.2331884	0.0000016	-0.06170	-0.00453
SEP	29	52546	0.202674	0.205863-0.2331264	-0.0001384	-0.06164	-0.00462
SEP	30	52547	0.200581	0.203155-0.2329327	-0.0001825	-0.06161	-0.00458
OCT	1	52548	0.198519	0.200534-0.2327909	-0.0000654	-0.06157	-0.00440
OCT	2	52549	0.196603	0.198096-0.2328361	0.0001073	-0.06136	-0.00411
OCT	3	52550	0.194671	0.195648-0.2330353	0.0003065	-0.06114	-0.00381
OCT	4	52551	0.192513	0.193429-0.2334624	0.0006297	-0.06099	-0.00362
OCT	5	52552	0.189919	0.191386-0.2342813	0.0009616	-0.06106	-0.00362
OCT	6	52553	0.187338	0.189278-0.2353451	0.0011217	-0.06125	-0.00377
OCT	7	52554	0.184980	0.187146-0.2364682	0.0011241	-0.06143	-0.00394
OCT	8	52555	0.182573	0.184976-0.2375394	0.0009977	-0.06149	-0.00404
OCT	9	52556	0.180130	0.182724-0.2384298	0.0007391	-0.06137	-0.00403
OCT	10	52557	0.177956	0.180643-0.2390124	0.0004584	-0.06131	-0.00388
OCT	11	52558	0.175561	0.178842-0.2393668	0.0002570	-0.06150	-0.00375
OCT	12	52559	0.173137	0.176907-0.2395608	0.0001439	-0.06161	-0.00371
OCT	13	52560	0.170949	0.175030-0.2396904	0.0001298	-0.06149	-0.00376
OCT	14	52561	0.168496	0.173350-0.2398492	0.0001985	-0.06125	-0.00385
OCT	15	52562	0.165900	0.171640-0.2401059	0.0003138	-0.06096	-0.00392
OCT	16	52563	0.163500	0.170073-0.2404851	0.0004599	-0.06071	-0.00391
OCT	17	52564	0.161162	0.168823-0.2410248	0.0006144	-0.06053	-0.00379
OCT	18	52565	0.158403	0.167798-0.2417060	0.0007133	-0.06047	-0.00356
OCT	19	52566	0.154570	0.166709-0.2424381	0.0007543	-0.06007	-0.00335
OCT	20	52567	0.150339	0.165446-0.2431974	0.0007685	-0.05993	-0.00310
OCT	21	52568	0.146585	0.163956-0.2439566	0.0007520	-0.05997	-0.00299
OCT	22	52569	0.143189	0.162700-0.2446848	0.0007030	-0.06005	-0.00304
OCT	23	52570	0.139921	0.161431-0.2453506	0.0006189	-0.06000	-0.00319
OCT	24	52571	0.136604	0.159910-0.2459176	0.0004950	-0.05990	-0.00336
OCT	25	52572	0.132978	0.158471-0.2463439	0.0003527	-0.05985	-0.00344
OCT	26	52573	0.129460	0.156841-0.2466344	0.0002466	-0.05977	-0.00371
OCT	27	52574	0.125883	0.155297-0.2468564	0.0001837	-0.05960	-0.00376
OCT	28	52575	0.122306	0.153933-0.2470277	0.0001623	-0.05929	-0.00361
OCT	29	52576	0.118824	0.152872-0.2472112	0.0002356	-0.05888	-0.00334
OCT	30	52577	0.115336	0.152130-0.2475284	0.0004250	-0.05850	-0.00304
OCT	31	52578	0.111576	0.151433-0.2480817	0.0006997	-0.05823	-0.00276
NOV	1	52579	0.107514	0.150714-0.2489292	0.0009882	-0.05814	-0.00255
NOV	2	52580	0.103539	0.149997-0.2500343	0.0011964	-0.05825	-0.00245
NOV	3	52581	0.099906	0.149367-0.2512759	0.0012622	-0.05850	-0.00244

NOV	4	52582	0.096401	0.148884-0.2525030	0.0011755	-0.05875	-0.00246
NOV	5	52583	0.092719	0.148264-0.2535803	0.0009656	-0.05888	-0.00248
NOV	6	52584	0.088776	0.147526-0.2544120	0.0006962	-0.05876	-0.00244
NOV	7	52585	0.084770	0.146832-0.2549792	0.0004453	-0.05847	-0.00240
NOV	8	52586	0.080686	0.146157-0.2553316	0.0002632	-0.05810	-0.00237
NOV	9	52587	0.076641	0.145477-0.2555438	0.0001553	-0.05781	-0.00238
NOV	10	52588	0.072823	0.144862-0.2556768	0.0001037	-0.05767	-0.00244
NOV	11	52589	0.069230	0.144506-0.2557747	0.0001201	-0.05768	-0.00249
NOV	12	52590	0.065930	0.144183-0.2559284	0.0002410	-0.05780	-0.00252
NOV	13	52591	0.063003	0.143843-0.2562577	0.0004170	-0.05792	-0.00250
NOV	14	52592	0.059978	0.143722-0.2567559	0.0005483	-0.05801	-0.00240
NOV	15	52593	0.056439	0.143642-0.2573420	0.0006267	-0.05802	-0.00222
NOV	16	52594	0.053039	0.143662-0.2579932	0.0006632	-0.05795	-0.00198
NOV	17	52595	0.049748	0.143600-0.2586507	0.0006393	-0.05779	-0.00175
NOV	18	52596	0.046273	0.143154-0.2592547	0.0005637	-0.05757	-0.00159
NOV	19	52597	0.042736	0.142589-0.2597642	0.0004450	-0.05732	-0.00156
NOV	20	52598	0.039042	0.142057-0.2601367	0.0003061	-0.05709	-0.00168
NOV	21	52599	0.035594	0.141618-0.2603764	0.0002121	-0.05690	-0.00187
NOV	22	52600	0.032490	0.141507-0.2605700	0.0001796	-0.05676	-0.00207
NOV	23	52601	0.029458	0.141632-0.2607535	0.0001531	-0.05668	-0.00218
NOV	24	52602	0.026279	0.141922-0.2609010	0.0001712	-0.05658	-0.00221
NOV	25	52603	0.023121	0.142107-0.2611242	0.0003174	-0.05642	-0.00215
NOV	26	52604	0.020423	0.142134-0.2615628	0.0005359	-0.05620	-0.00204
NOV	27	52605	0.017746	0.141963-0.2622161	0.0007792	-0.05597	-0.00190
NOV	28	52606	0.014584	0.141665-0.2631276	0.0010100	-0.05587	-0.00178
NOV	29	52607	0.011105	0.141525-0.2642236	0.0012147	-0.05596	-0.00169
NOV	30	52608	0.007632	0.141384-0.2655246	0.0013951	-0.05621	-0.00161
DEC	1	52609	0.004211	0.141160-0.2669676	0.0014472	-0.05650	-0.00154
DEC	2	52610	0.000981	0.141151-0.2683720	0.0013133	-0.05673	-0.00146
DEC	3	52611	-0.002102	0.141540-0.2695616	0.0010474	-0.05680	-0.00139
DEC	4	52612	-0.005142	0.142253-0.2704588	0.0007365	-0.05660	-0.00133
DEC	5	52613	-0.008544	0.143134-0.2710521	0.0004608	-0.05627	-0.00129
DEC	6	52614	-0.012432	0.144161-0.2714146	0.0003365	-0.05589	-0.00131
DEC	7	52615	-0.016714	0.145522-0.2717624	0.0003503	-0.05563	-0.00135
DEC	8	52616	-0.020864	0.146755-0.2721445	0.0004261	-0.05551	-0.00140
DEC	9	52617	-0.024195	0.147792-0.2726310	0.0005883	-0.05552	-0.00143
DEC	10	52618	-0.027051	0.149114-0.2733249	0.0007897	-0.05562	-0.00140
DEC	11	52619	-0.029986	0.150658-0.2742048	0.0009361	-0.05569	-0.00133
DEC	12	52620	-0.032906	0.152324-0.2751851	0.0010060	-0.05573	-0.00119
DEC	13	52621	-0.036380	0.153691-0.2762010	0.0010585	-0.05573	-0.00099
DEC	14	52622	-0.040133	0.154808-0.2772847	0.0010653	-0.05575	-0.00076
DEC	15	52623	-0.044118	0.155796-0.2783150	0.0009536	-0.05579	-0.00055
DEC	16	52624	-0.048102	0.156554-0.2791779	0.0007785	-0.05587	-0.00044
DEC	17	52625	-0.051563	0.157349-0.2798627	0.0006260	-0.05596	-0.00046
DEC	18	52626	-0.054497	0.158362-0.2804272	0.0004768	-0.05604	-0.00061
DEC	19	52627	-0.056946	0.159773-0.2808222	0.0002945	-0.05603	-0.00084
DEC	20	52628	-0.059111	0.161764-0.2810314	0.0001912	-0.05588	-0.00110
DEC	21	52629	-0.061540	0.164057-0.2812284	0.0001740	-0.05555	-0.00131
DEC	22	52630	-0.064249	0.166415-0.2814082	0.0001909	-0.05505	-0.00143
DEC	23	52631	-0.066769	0.168635-0.2816379	0.0003171	-0.05445	-0.00147
DEC	24	52632	-0.069096	0.170833-0.2820619	0.0005722	-0.05388	-0.00141
DEC	25	52633	-0.071644	0.173147-0.2827880	0.0008614	-0.05347	-0.00127
DEC	26	52634	-0.074233	0.175145-0.2837737	0.0010755	-0.05335	-0.00108

DEC	27	52635-0.076496	0.176823-0.2849124	0.0011783	-0.05355	-0.00086
DEC	28	52636-0.078735	0.178826-0.2860924	0.0011698	-0.05401	-0.00065
DEC	29	52637-0.081160	0.181126-0.2872112	0.0010544	-0.05460	-0.00050
DEC	30	52638-0.083469	0.183215-0.2881684	0.0008580	-0.05513	-0.00042
DEC	31	52639-0.085707	0.185460-0.2889123	0.0006360	-0.05546	-0.00042