

This data comes from the files from the Sirius Research Group							
It is the actual data as taken by Karl-Heinz Homann							
<-- Homann's Original Data -->				Graph X Values			Graph Y Values
Date	Hours	Mins.	Secs.	Time (Absolute)	No. Whole Days	No. Secs per day	Diff from Mean Sid. (Secs.)
04/05/98	21	15	37	35890.8858449			
04/13/98	20	44	9	35898.8639931	8	86164.000	0.091
09/05/98	11	14	6	36043.4681250	145	86164.117	-0.027
09/28/98	9	43	43	36066.4053588	23	86164.217	-0.127
10/22/98	8	9	25	36090.3398727	24	86164.250	-0.159
11/14/98	6	38	59	36113.2770718	23	86164.087	0.004
11/24/98	5	59	41.5	36123.2497859	10	86164.250	-0.159
12/05/98	5	16	26	36134.2197454	11	86164.045	0.045
12/11/98	4	52	50	36140.2033565	6	86164.000	0.091
12/20/98	4	17	27	36149.1787847	9	86164.111	-0.021
01/13/99	2	43	2	36173.1132176	24	86163.958	0.132
01/24/99	1	59	45	36184.0831597	11	86163.909	0.181
02/05/99	1	12	33	36196.0503819	12	86164.000	0.091
02/11/99	0	48	58	36202.0340046	6	86164.167	-0.076
02/14/99	0	37	10	36205.0258102	3	86164.000	0.091
02/19/99	0	17	31	36210.0121644	5	86164.200	-0.109
02/21/99	0	9	40	36212.0067130	2	86164.500	-0.409
02/23/99	23	57	52	36214.9985185	3	86164.000	0.091
02/25/99	23	49	59.5	36216.9930498	2	86163.750	0.341
02/27/99	23	42	7.5	36218.9875868	2	86164.000	0.091
03/02/99	23	30	19.5	36221.9793924	3	86164.000	0.091
03/06/99	23	14	35.8	36225.9684699	4	86164.075	0.016
03/11/99	22	54	56	36230.9548148	5	86164.040	0.051
03/15/99	22	39	12	36234.9438889	4	86164.000	0.091
03/19/99	22	23	28	36238.9329630	4	86164.000	0.091
03/20/99	22	19	32	36239.9302315	1	86164.000	0.091
03/22/99	22	11	40	36241.9247685	2	86164.000	0.091
03/28/99	21	48	4.6	36247.9083866	6	86164.100	-0.009
04/01/99	21	32	20.6	36251.8974606	4	86164.000	0.091
04/05/99	21	16	36.5	36255.8865336	4	86163.975	0.116
04/09/99	21	0	53	36259.8756134	4	86164.125	-0.034
04/14/99	20	41	13.5	36264.8619618	5	86164.100	-0.009
04/19/99	20	21	34.5	36269.8483160	5	86164.200	-0.109
04/29/99	19	42	13	36279.8209838	10	86163.850	0.241
05/03/99	19	26	29	36283.8100579	4	86164.000	0.091
05/09/99	19	2	53.5	36289.7936748	6	86164.083	0.007
06/05/99	17	16	40	36316.7199074	27	86163.944	0.146
10/04/99	9	21	8	36437.3896759	121	86164.198	-0.108
10/19/99	8	22	12	36452.3487500	15	86164.267	-0.176
10/27/99	7	50	44	36460.3268981	8	86164.000	0.091

Date	Hours	Mins.	Secs.	Time (Absolute)	No. Whole Days	No. Secs per day	Diff from Mean Sid. (Secs.)
10/29/99	7	42	53.5	36462.3214525	2	86164.750	-0.659
11/01/99	7	31	5	36465.3132523	3	86163.833	0.257
11/13/99	6	43	56	36477.2805093	12	86164.250	-0.159
11/21/99	6	12	27	36485.2586458	8	86163.875	0.216
11/30/99	5	37	4	36494.2340741	9	86164.111	-0.021
12/17/99	4	30	14	36511.1876620	17	86164.118	-0.027
12/24/99	4	2	42	36518.1685417	7	86164.000	0.091
01/03/00	3	23	23	36528.1412384	10	86164.100	-0.009
01/09/00	2	59	48.5	36534.1248669	6	86164.250	-0.159
01/20/00	2	16	34	36545.0948380	11	86164.136	-0.046
01/30/00	1	37	14	36555.0675231	10	86164.000	0.091
02/11/00	0	50	2.5	36567.0347512	12	86164.042	0.049
02/20/00	0	14	38.5	36576.0101678	9	86164.000	0.091
02/29/00	23	35	17.5	36585.9828414	10	86163.900	0.191
03/17/00	22	28	25.5	36602.9364063	17	86164.000	0.091
03/21/00	22	12	42	36606.9254861	4	86164.125	-0.034
03/29/00	21	41	12	36614.9036111	8	86163.750	0.341
03/30/00	21	37	16	36615.9008796	1	86164.000	0.091
04/01/00	21	29	24	36617.8954167	2	86164.000	0.091
04/05/00	21	13	41	36621.8845023	4	86164.250	-0.159
04/06/00	21	9	45	36622.8817708	1	86164.000	0.091
04/10/00	20	54	1	36626.8708449	4	86164.000	0.091
04/13/00	20	42	13.5	36629.8626563	3	86164.167	-0.076
04/15/00	20	34	22	36631.8571991	2	86164.250	-0.159
04/26/00	19	51	8	36642.8271759	11	86164.182	-0.091
04/29/00	19	39	20	36645.8189815	3	86164.000	0.091
05/02/00	19	27	32	36648.8107870	3	86164.000	0.091
05/23/00	18	4	56	36669.7534259	21	86164.000	0.091
05/30/00	17	37	23	36676.7342940	7	86163.857	0.233
09/26/00	9	49	37	36795.4094560	119	86164.151	-0.061
10/31/00	7	32	3	36830.3139236	35	86164.171	-0.081
11/02/00	7	24	11.5	36832.3084664	2	86164.250	-0.159
11/12/00	6	44	55	36842.2811921	10	86164.350	-0.259
11/21/00	6	9	32	36851.2566204	9	86164.111	-0.021
12/04/00	5	18	24.5	36864.2211169	13	86164.038	0.052
12/11/00	4	50	53.5	36871.2020081	7	86164.143	-0.052
12/21/00	4	11	35.5	36881.1747164	10	86164.200	-0.109
12/31/00	3	32	15	36891.1473958	10	86163.950	0.141
01/04/01	3	16	30.5	36895.1364641	4	86163.875	0.216
01/11/01	2	48	58	36902.1173380	7	86163.929	0.162
01/22/01	2	5	42	36913.0872917	11	86164.000	0.091
01/31/01	1	30	17	36922.0626968	9	86163.889	0.202
02/13/01	0	39	13	36935.0272338	13	86164.308	-0.217
02/19/01	0	15	38	36941.0108565	6	86164.167	-0.076
02/20/01	0	11	42	36942.0081250	1	86164.000	0.091
02/28/01	23	36	18	36950.9835417	9	86164.000	0.091

Date	Hours	Mins.	Secs.	Time (Absolute)	No. Whole Days	No. Secs per day	Diff from Mean Sid. (Secs.)
03/12/01	22	49	5	36962.9507523	12	86163.917	0.174
03/14/01	22	41	14	36964.9453009	2	86164.500	-0.409
03/20/01	22	17	38.5	36970.9289178	6	86164.083	0.007
03/24/01	22	1	55.5	36974.9180035	4	86164.250	-0.159
03/28/01	21	46	12	36978.9070833	4	86164.125	-0.034
03/30/01	21	38	20	36980.9016204	2	86164.000	0.091
04/03/01	21	22	36	36984.8906944	4	86164.000	0.091
04/09/01	20	58	59	36990.8742940	6	86163.833	0.257
04/15/01	20	35	23.5	36996.8579109	6	86164.083	0.007
04/20/01	20	15	43	37001.8442477	5	86163.900	0.191
04/29/01	19	40	17.5	37010.8196470	9	86163.833	0.257
05/06/01	19	12	46	37017.8005324	7	86164.071	0.019
06/07/01	17	6	56	37049.7131481	32	86164.063	0.028
09/14/01	10	37	48	37148.4429167	99	86164.162	-0.071
09/23/01	10	2	24	37157.4183333	9	86164.000	0.091
10/15/01	8	35	59	37179.3583218	22	86164.318	-0.228
10/28/01	7	44	55	37192.3228588	13	86164.308	-0.217
11/10/01	6	53	46	37205.2873380	13	86163.923	0.167
11/22/01	6	6	35	37217.2545718	12	86164.083	0.007
12/03/01	5	23	20	37228.2245370	11	86164.091	0.000
12/21/01	4	12	33.5	37246.1753877	18	86164.083	0.007
01/03/02	3	21	26	37259.1398843	13	86164.038	0.052
01/10/02	2	53	53	37266.1207523	7	86163.857	0.233
01/26/02	1	50	46	37282.0769213	16	86163.313	0.778
01/27/02	1	46	50	37283.0741898	1	86164.000	0.091
01/30/02	1	35	1.5	37286.0659896	3	86163.833	0.257
02/03/02	1	19	16.5	37290.0550521	4	86163.750	0.341
02/08/02	0	59	36	37295.0413889	5	86163.900	0.191
02/12/02	0	43	52	37299.0304630	4	86164.000	0.091
02/20/02	0	12	23	37307.0085995	8	86163.875	0.216
04/10/02	20	55	8	37356.8716204	50	86163.300	0.791
04/18/02	20	23	39.5	37364.8497627	8	86163.937	0.153
04/22/02	20	7	56	37368.8388426	4	86164.125	-0.034
05/07/02	19	8	57.5	37383.7978877	15	86164.100	-0.009
05/26/02	17	54	13	37402.7459838	19	86163.974	0.117
06/26/02	15	52	19	37433.6613310	31	86164.065	0.026
08/23/02	12	4	23	37491.5030440	58	86164.207	-0.116
10/01/02	9	31	5	37530.3965856	39	86164.154	-0.063
10/11/02	8	51	47	37540.3692940	10	86164.200	-0.109
10/30/02	7	37	7	37559.3174421	19	86164.211	-0.120
11/15/02	6	34	11	37575.2737384	16	86164.000	0.091
12/01/02	5	31	15	37591.2300347	16	86164.000	0.091
12/11/02	4	51	57	37601.2027431	10	86164.200	-0.109
12/21/02	4	12	40	37611.1754630	10	86164.300	-0.209
12/30/02	3	37	17	37620.1508912	9	86164.111	-0.021
01/02/03	3	25	30	37623.1427083	3	86164.333	-0.243

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01/10/03	2	54	1.5	37631.1208507	8	86163.938	0.153
01/21/03	2	10	48	37642.0908333	11	86164.227	-0.137
02/02/03	1	23	36	37654.0580556	12	86164.000	0.091
02/13/03	0	40	18.5	37665.0279919	11	86163.864	0.227
02/19/03	0	16	42.5	37671.0116030	6	86164.000	0.091
04/06/03	21	11	55	37717.8832755	47	86164.096	-0.005
04/22/03	20	9	0	37733.8395833	16	86164.063	0.028
04/29/03	19	41	27.5	37740.8204572	7	86163.929	0.162
09/21/03	10	11	24	37885.4245833	145	86164.114	-0.023
09/30/03	9	36	2	37894.4000231	9	86164.222	-0.132
10/15/03	8	37	3	37909.3590625	15	86164.067	0.024
11/09/03	6	58	50	37934.2908565	25	86164.280	-0.189
11/22/03	6	7	44	37947.2553704	13	86164.154	-0.063
11/30/03	5	36	18	37955.2335417	8	86164.250	-0.159
12/11/03	4	53	3	37966.2035069	11	86164.091	0.000
12/22/03	4	9	47	37977.1734606	11	86164.000	0.091
01/03/04	3	22	35	37989.1406829	12	86164.000	0.091
01/11/04	2	51	7.5	37997.1188368	8	86164.063	0.028
01/20/04	2	15	43	38006.0942477	9	86163.944	0.146
02/01/04	1	28	32	38018.0614815	12	86164.083	0.007
02/10/04	0	53	6.5	38027.0368808	9	86163.833	0.257
02/23/04	0	1	57	38040.0013542	13	86163.885	0.206
03/05/04	23	14	46	38051.9685880	12	86164.083	0.007
03/10/04	22	55	6	38056.9549306	5	86164.000	0.091
03/23/04	22	3	59	38069.9194329	13	86164.077	0.014
03/31/04	21	32	31	38077.8975810	8	86164.000	0.091
04/09/04	20	57	8	38086.8730093	9	86164.111	-0.021
04/30/04	19	34	34	38107.8156713	21	86164.095	-0.005
10/25/04	7	54	55	38285.3298032	178	86164.163	-0.072
11/10/04	6	52	2	38301.2861343	16	86164.188	-0.097
12/07/04	5	5	50	38328.2123843	27	86164.000	0.091
12/27/04	3	47	12	38348.1577778	20	86164.100	-0.009
01/04/05	3	15	46	38356.1359491	8	86164.250	-0.159
01/15/05	2	32	30	38367.1059028	11	86164.000	0.091
02/03/05	1	17	42	38386.0539583	19	86163.789	0.301
02/14/05	0	34	26	38397.0239120	11	86164.000	0.091
02/21/05	0	6	55	38404.0048032	7	86164.143	-0.052
03/09/05	23	0	4	38420.9583796	17	86164.059	0.032
03/23/05	22	5	3	38434.9201736	14	86164.214	-0.124
03/30/05	21	37	30	38441.9010417	7	86163.857	0.233
04/02/05	21	25	43	38444.8928588	3	86164.333	-0.243
04/23/06	20	6	5	38830.8375579	387	86164.398	-0.307
04/10/07	20	58	16	39182.8737963	353	86164.110	-0.020