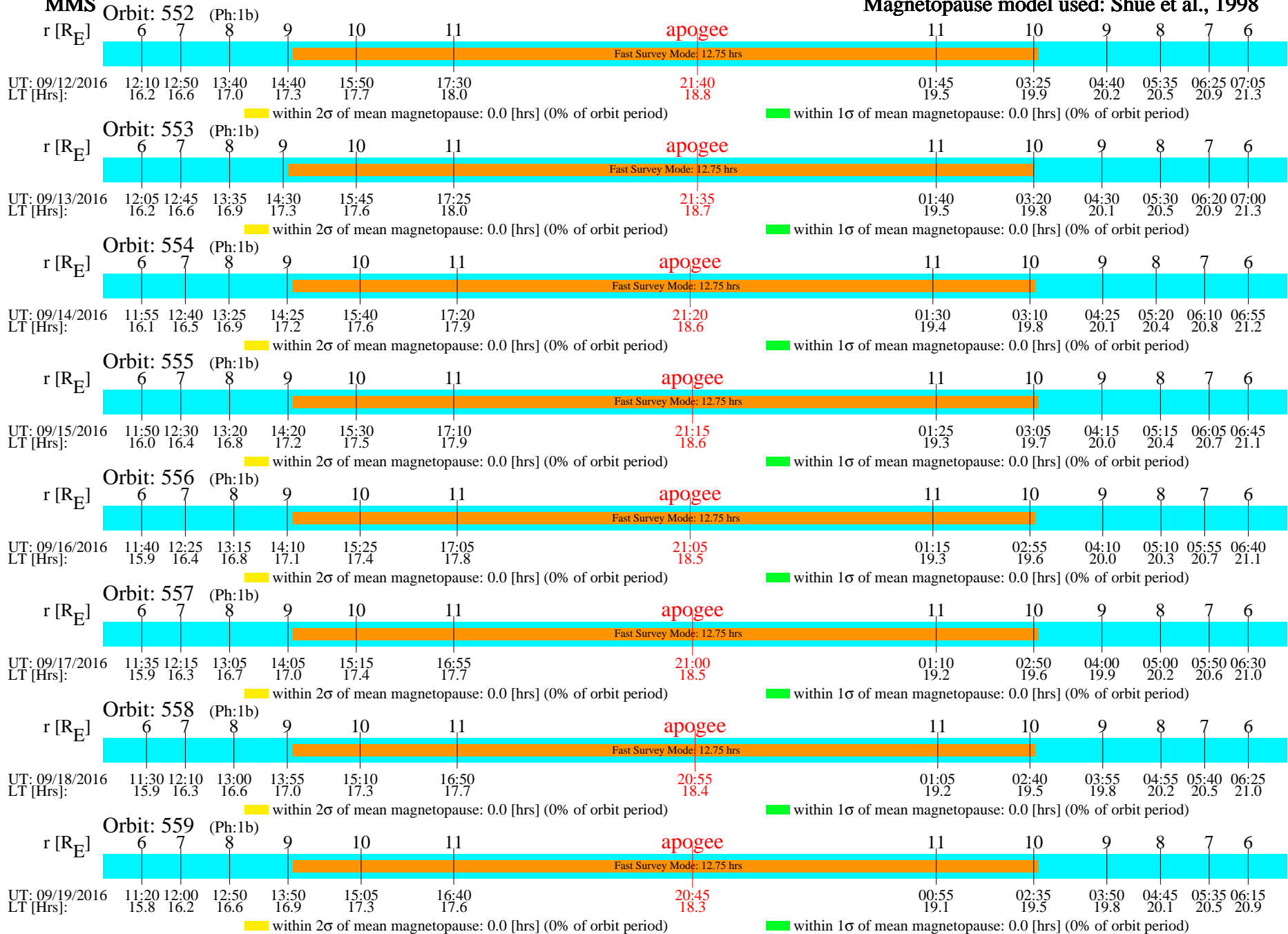


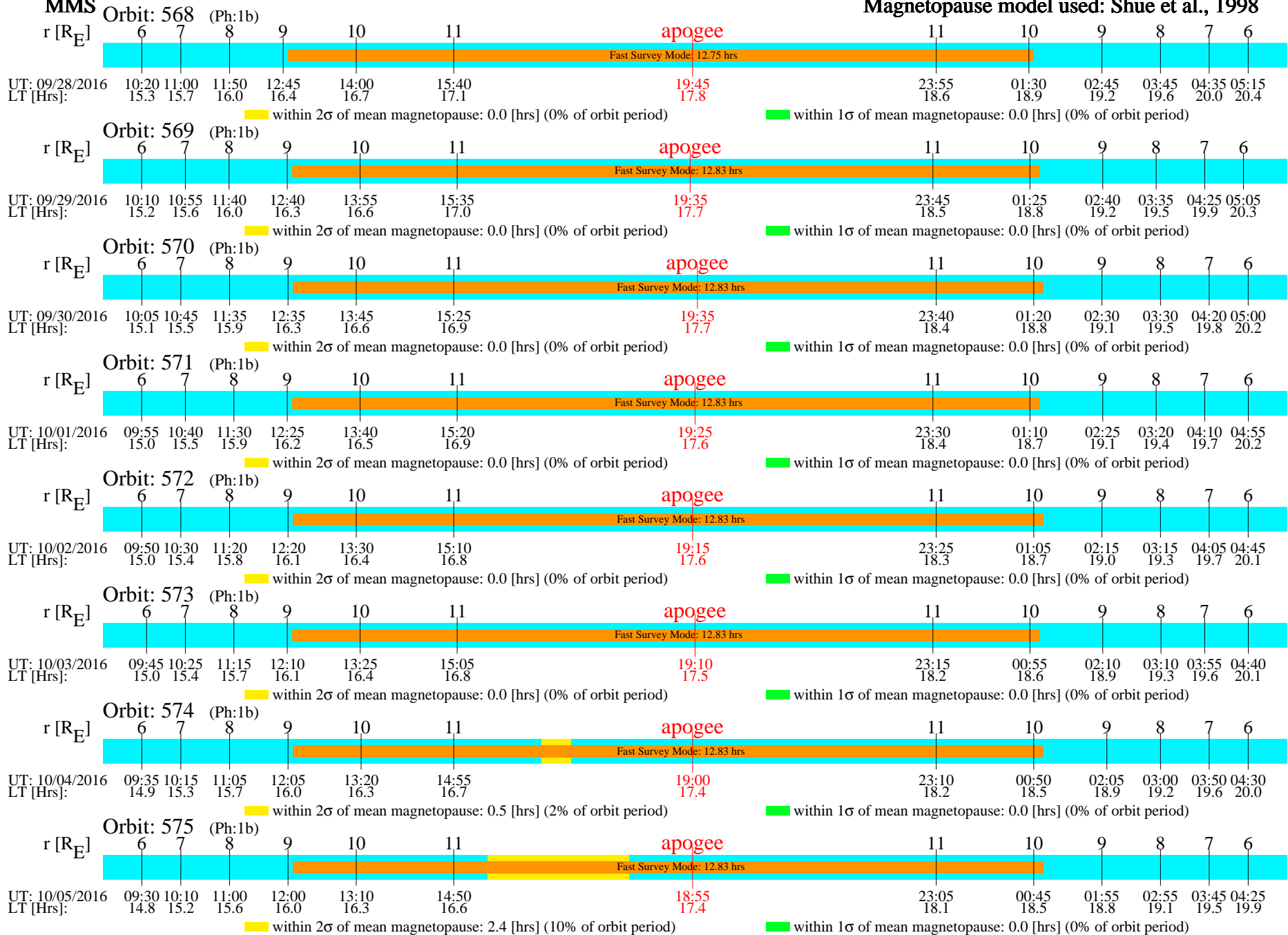
MMS

Magnetopause model used: Shue et al., 1998



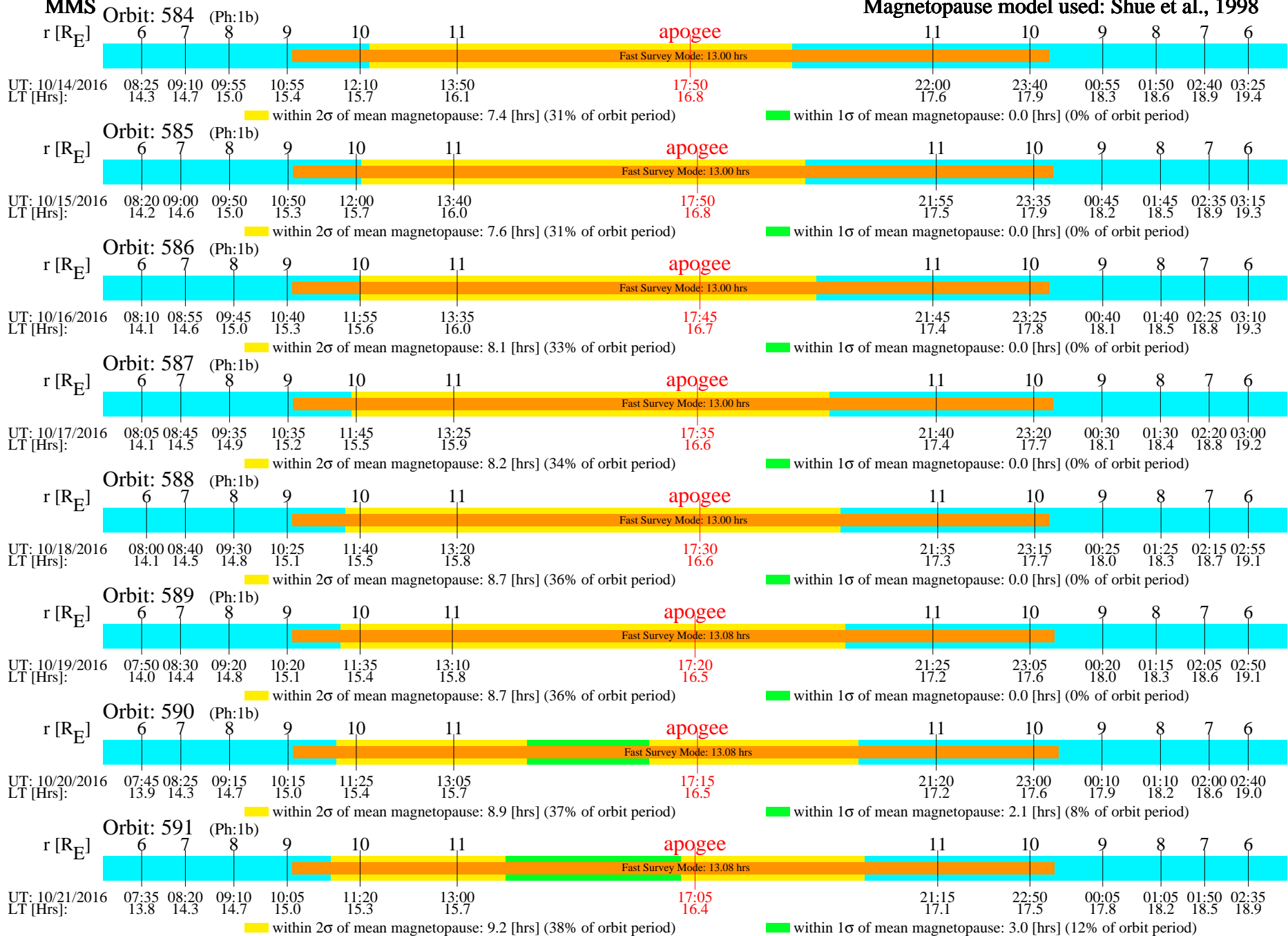
MMS

Magnetopause model used: Shue et al., 1998



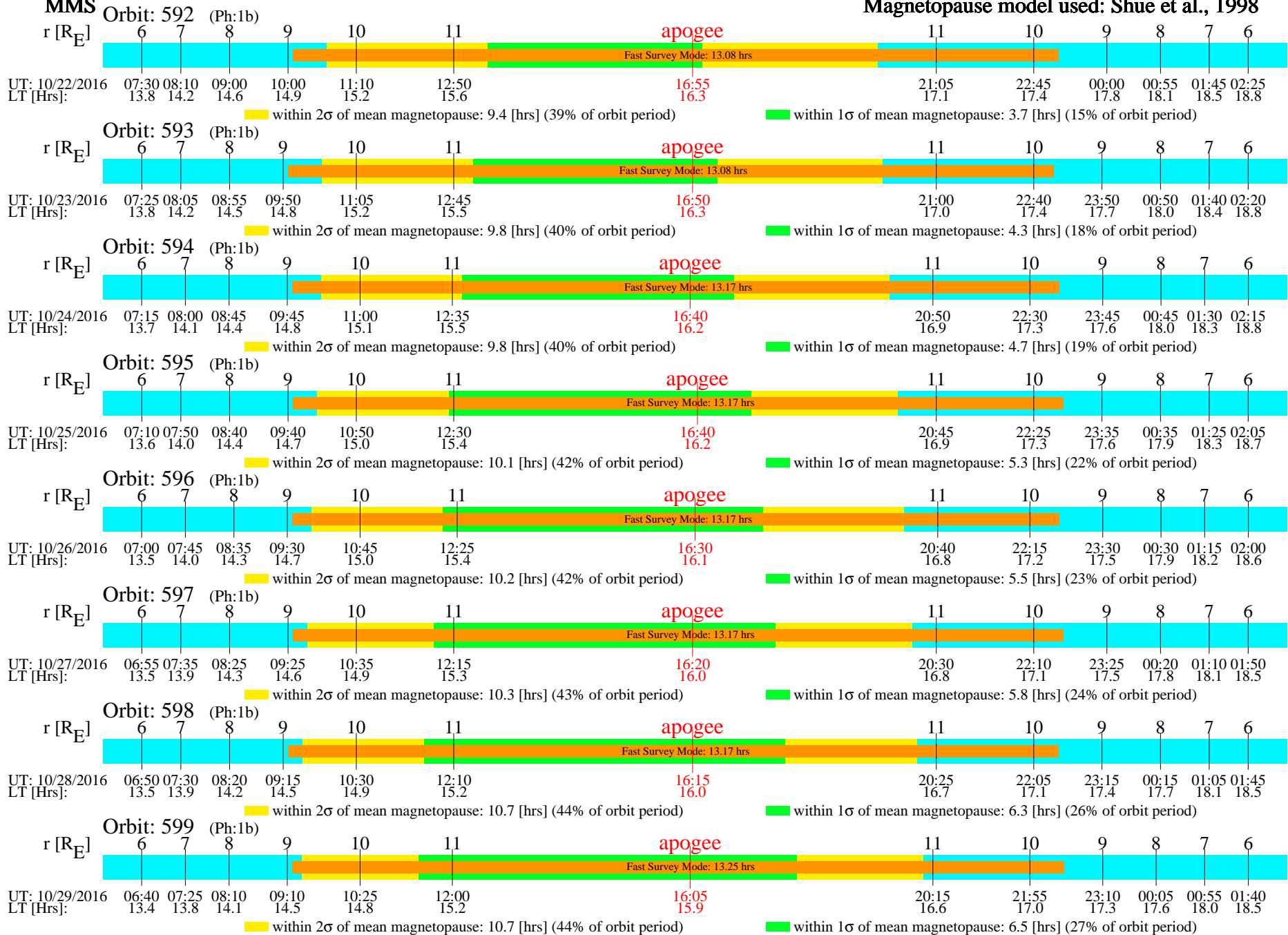
MMS

Magnetopause model used: Shue et al., 1998



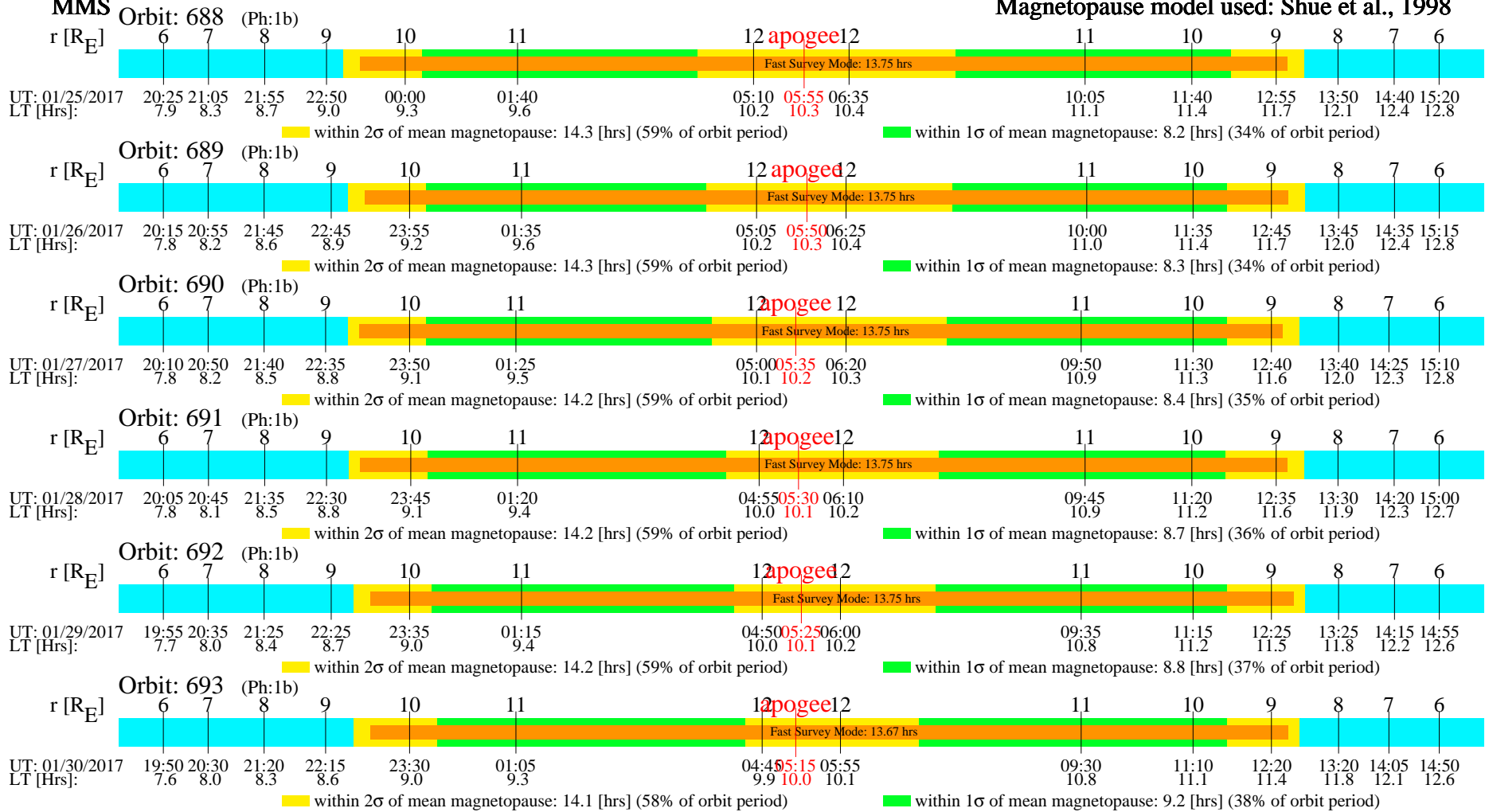
MMS

Magnetopause model used: Shue et al., 1998



MMS

Magnetopause model used: Shue et al., 1998



Start_date/time	-	Stop_date/time	target_hrs	sec_rel_to_9RE_outbound	sec_rel_to_9RE_inbound	<prob_mpause_xing>
09/12/2016 14:45:00	-	09/13/2016 03:30:00	12.76	356.	-4058.	0.26
09/13/2016 14:35:00	-	09/14/2016 03:20:00	12.76	163.	-4235.	0.30
09/14/2016 14:30:00	-	09/15/2016 03:15:00	12.76	275.	-4105.	0.35
09/15/2016 14:25:00	-	09/16/2016 03:10:00	12.76	395.	-3969.	0.40
09/16/2016 14:15:00	-	09/17/2016 03:00:00	12.76	221.	-4141.	0.46
09/17/2016 14:10:00	-	09/18/2016 02:55:00	12.77	352.	-4011.	0.55
09/18/2016 14:00:00	-	09/19/2016 02:45:00	12.77	181.	-4192.	0.64
09/19/2016 13:55:00	-	09/20/2016 02:40:00	12.77	313.	-4071.	0.72
09/20/2016 13:50:00	-	09/21/2016 02:35:00	12.78	435.	-3959.	0.84
09/21/2016 13:40:00	-	09/22/2016 02:25:00	12.78	257.	-4148.	0.93
09/22/2016 13:35:00	-	09/23/2016 02:20:00	12.79	370.	-4036.	1.05
09/23/2016 13:25:00	-	09/24/2016 02:10:00	12.79	184.	-4224.	1.24
09/24/2016 13:20:00	-	09/25/2016 02:05:00	12.80	295.	-4108.	1.42
09/25/2016 13:15:00	-	09/26/2016 02:00:00	12.80	409.	-3988.	1.62
09/26/2016 13:05:00	-	09/27/2016 01:50:00	12.81	221.	-4168.	1.81
09/27/2016 13:00:00	-	09/28/2016 01:45:00	12.82	338.	-4039.	2.07
09/28/2016 12:50:00	-	09/29/2016 01:35:00	12.83	153.	-4213.	2.35
09/29/2016 12:45:00	-	09/30/2016 01:35:00	12.83	276.	-3785.	2.68
09/30/2016 12:40:00	-	10/01/2016 01:30:00	12.84	403.	-3656.	3.04
10/01/2016 12:30:00	-	10/02/2016 01:20:00	12.85	234.	-3829.	3.47
10/02/2016 12:25:00	-	10/03/2016 01:15:00	12.86	362.	-3706.	3.94
10/03/2016 12:15:00	-	10/04/2016 01:05:00	12.87	188.	-3887.	4.44
10/04/2016 12:10:00	-	10/05/2016 01:00:00	12.88	315.	-3775.	4.94
10/05/2016 12:05:00	-	10/06/2016 00:55:00	12.89	440.	-3664.	5.44
10/06/2016 11:55:00	-	10/07/2016 00:45:00	12.91	260.	-3855.	6.14
10/07/2016 11:50:00	-	10/08/2016 00:45:00	12.92	373.	-3447.	6.88
10/08/2016 11:40:00	-	10/09/2016 00:35:00	12.93	180.	-3640.	7.67
10/09/2016 11:35:00	-	10/10/2016 00:30:00	12.94	291.	-3524.	8.49
10/10/2016 11:30:00	-	10/11/2016 00:25:00	12.95	400.	-3408.	9.37
10/11/2016 11:20:00	-	10/12/2016 00:15:00	12.97	207.	-3585.	10.38
10/12/2016 11:15:00	-	10/13/2016 00:10:00	12.98	328.	-3453.	11.39
10/13/2016 11:10:00	-	10/14/2016 00:05:00	13.00	446.	-3325.	12.55
10/14/2016 11:00:00	-	10/15/2016 00:00:00	13.01	277.	-3195.	13.79
10/15/2016 10:55:00	-	10/15/2016 23:55:00	13.02	409.	-3073.	15.14
10/16/2016 10:45:00	-	10/16/2016 23:45:00	13.04	238.	-3255.	16.80
10/17/2016 10:40:00	-	10/17/2016 23:40:00	13.05	367.	-3139.	18.50
10/18/2016 10:30:00	-	10/18/2016 23:30:00	13.07	192.	-3332.	20.40
10/19/2016 10:25:00	-	10/19/2016 23:30:00	13.09	310.	-2922.	22.10
10/20/2016 10:20:00	-	10/20/2016 23:25:00	13.10	428.	-2810.	23.91
10/21/2016 10:10:00	-	10/21/2016 23:15:00	13.12	240.	-2999.	26.00
10/22/2016 10:05:00	-	10/22/2016 23:10:00	13.13	351.	-2885.	28.02
10/23/2016 09:55:00	-	10/23/2016 23:00:00	13.15	163.	-3068.	30.11
10/24/2016 09:50:00	-	10/24/2016 23:00:00	13.17	280.	-2643.	32.08
10/25/2016 09:45:00	-	10/25/2016 22:55:00	13.18	398.	-2518.	34.34
10/26/2016 09:35:00	-	10/26/2016 22:45:00	13.20	216.	-2694.	36.81
10/27/2016 09:30:00	-	10/27/2016 22:40:00	13.22	344.	-2567.	39.32
10/28/2016 09:20:00	-	10/28/2016 22:30:00	13.24	170.	-2742.	41.84
10/29/2016 09:15:00	-	10/29/2016 22:30:00	13.25	304.	-2317.	44.14
10/30/2016 09:10:00	-	10/30/2016 22:25:00	13.27	431.	-2197.	46.35

10/31/2016	09:00:00	-	10/31/2016	22:15:00	13.29	259.	-2386.	48.78
11/01/2016	08:55:00	-	11/01/2016	22:10:00	13.31	385.	-2273.	50.76
11/02/2016	08:45:00	-	11/02/2016	22:00:00	13.33	210.	-2466.	52.95
11/03/2016	08:40:00	-	11/03/2016	22:00:00	13.34	326.	-2060.	54.63
11/04/2016	08:35:00	-	11/04/2016	21:55:00	13.36	438.	-1953.	56.44
11/05/2016	08:25:00	-	11/05/2016	21:45:00	13.38	247.	-2147.	58.23
11/06/2016	08:20:00	-	11/06/2016	21:40:00	13.40	354.	-2032.	59.98
11/07/2016	08:15:00	-	11/07/2016	21:35:00	13.42	464.	-1912.	61.61
11/08/2016	08:05:00	-	11/08/2016	21:30:00	13.43	279.	-1788.	62.87
11/09/2016	08:00:00	-	11/09/2016	21:25:00	13.45	395.	-1660.	64.17
11/10/2016	07:50:00	-	11/10/2016	21:15:00	13.47	220.	-1834.	65.72
11/11/2016	07:45:00	-	11/11/2016	21:10:00	13.49	349.	-1708.	66.96
11/12/2016	07:35:00	-	11/12/2016	21:05:00	13.51	180.	-1585.	67.89
11/13/2016	07:30:00	-	11/13/2016	21:00:00	13.52	312.	-1471.	68.98
11/14/2016	07:25:00	-	11/14/2016	20:55:00	13.54	440.	-1358.	69.97
11/15/2016	07:15:00	-	11/15/2016	20:45:00	13.56	264.	-1553.	70.97
11/16/2016	07:10:00	-	11/16/2016	20:40:00	13.58	381.	-1446.	71.76
11/17/2016	07:00:00	-	11/17/2016	20:35:00	13.59	192.	-1337.	71.95
11/18/2016	06:55:00	-	11/18/2016	20:30:00	13.61	306.	-1226.	72.50
11/19/2016	06:50:00	-	11/19/2016	20:25:00	13.63	416.	-1111.	72.81
11/20/2016	06:40:00	-	11/20/2016	20:15:00	13.64	229.	-1294.	73.02
11/21/2016	06:35:00	-	11/21/2016	20:10:00	13.66	344.	-1171.	73.07
11/22/2016	06:30:00	-	11/22/2016	20:10:00	13.67	463.	-747.	72.60
11/23/2016	06:20:00	-	11/23/2016	20:00:00	13.69	289.	-921.	72.55
11/24/2016	06:15:00	-	11/24/2016	19:55:00	13.71	414.	-794.	72.27
11/25/2016	06:05:00	-	11/25/2016	19:45:00	13.72	247.	-968.	72.08
11/26/2016	06:00:00	-	11/26/2016	19:40:00	13.74	376.	-849.	71.64
11/27/2016	05:50:00	-	11/27/2016	19:35:00	13.75	204.	-731.	70.95
11/28/2016	05:45:00	-	11/28/2016	19:30:00	13.76	330.	-620.	70.31
11/29/2016	05:40:00	-	11/29/2016	19:25:00	13.78	451.	-513.	69.80
11/30/2016	05:30:00	-	11/30/2016	19:15:00	13.79	273.	-707.	69.45
12/01/2016	05:25:00	-	12/01/2016	19:10:00	13.81	385.	-604.	68.90
12/02/2016	05:15:00	-	12/02/2016	19:00:00	13.82	195.	-797.	68.55
12/03/2016	05:10:00	-	12/03/2016	18:55:00	13.83	301.	-688.	68.10
12/04/2016	05:05:00	-	12/04/2016	18:55:00	13.84	408.	-274.	67.17
12/05/2016	04:55:00	-	12/05/2016	18:45:00	13.85	220.	-450.	66.82
12/06/2016	04:50:00	-	12/06/2016	18:40:00	13.87	332.	-327.	66.37
12/07/2016	04:45:00	-	12/07/2016	18:35:00	13.88	453.	-198.	65.82
12/08/2016	04:35:00	-	12/08/2016	18:25:00	13.89	277.	-373.	65.39
12/09/2016	04:30:00	-	12/09/2016	18:20:00	13.90	408.	-250.	64.77
12/10/2016	04:20:00	-	12/10/2016	18:10:00	13.91	236.	-429.	64.26
12/11/2016	04:15:00	-	12/11/2016	18:10:00	13.92	362.	-16.	63.40
12/12/2016	04:10:00	-	12/12/2016	18:05:00	13.93	489.	92.	62.83
12/13/2016	04:00:00	-	12/13/2016	17:55:00	13.93	310.	-98.	62.44
12/14/2016	03:55:00	-	12/14/2016	17:50:00	13.94	423.	6.	61.95
12/15/2016	03:45:00	-	12/15/2016	17:40:00	13.95	233.	-185.	61.60
12/16/2016	03:40:00	-	12/16/2016	17:35:00	13.96	342.	-73.	61.02
12/17/2016	03:35:00	-	12/17/2016	17:30:00	13.96	450.	43.	60.86
12/18/2016	03:25:00	-	12/18/2016	17:20:00	13.97	260.	-140.	60.59
12/19/2016	03:20:00	-	12/19/2016	17:15:00	13.97	376.	-18.	60.03

12/20/2016	03:10:00	-	12/20/2016	17:05:00	13.98	194.	-192.	59.86
12/21/2016	03:05:00	-	12/21/2016	17:00:00	13.98	315.	-66.	59.53
12/22/2016	03:00:00	-	12/22/2016	16:55:00	13.99	441.	57.	59.25
12/23/2016	02:50:00	-	12/23/2016	16:45:00	13.99	268.	-120.	59.04
12/24/2016	02:45:00	-	12/24/2016	16:40:00	13.99	394.	-2.	58.78
12/25/2016	02:35:00	-	12/25/2016	16:30:00	14.00	219.	-187.	58.60
12/26/2016	02:30:00	-	12/26/2016	16:25:00	14.00	341.	-76.	58.10
12/27/2016	02:25:00	-	12/27/2016	16:20:00	14.00	460.	29.	58.21
12/28/2016	02:15:00	-	12/28/2016	16:10:00	14.00	275.	-169.	58.08
12/29/2016	02:10:00	-	12/29/2016	16:10:00	14.00	383.	236.	57.33
12/30/2016	02:05:00	-	12/30/2016	16:00:00	14.00	487.	44.	57.84
12/31/2016	01:55:00	-	12/31/2016	15:50:00	14.00	292.	-144.	57.71
01/01/2017	01:50:00	-	01/01/2017	15:45:00	14.00	394.	-28.	57.51
01/02/2017	01:40:00	-	01/02/2017	15:35:00	14.00	205.	-204.	57.64
01/03/2017	01:35:00	-	01/03/2017	15:30:00	13.99	314.	-79.	57.57
01/04/2017	01:30:00	-	01/04/2017	15:25:00	13.99	434.	46.	57.70
01/05/2017	01:20:00	-	01/05/2017	15:15:00	13.99	261.	-129.	57.84
01/06/2017	01:15:00	-	01/06/2017	15:10:00	13.98	383.	-10.	57.83
01/07/2017	01:05:00	-	01/07/2017	15:00:00	13.98	206.	-193.	57.89
01/08/2017	01:00:00	-	01/08/2017	14:55:00	13.97	330.	-81.	57.79
01/09/2017	00:55:00	-	01/09/2017	14:50:00	13.97	449.	25.	58.08
01/10/2017	00:50:00	-	01/10/2017	14:45:00	13.96	558.	132.	58.25
01/11/2017	00:45:00	-	01/11/2017	14:40:00	13.96	669.	234.	58.03
01/12/2017	00:35:00	-	01/12/2017	14:30:00	13.95	470.	41.	58.61
01/13/2017	00:30:00	-	01/13/2017	14:25:00	13.94	577.	151.	58.86
01/14/2017	00:25:00	-	01/14/2017	14:20:00	13.93	681.	266.	58.95
01/15/2017	00:20:00	-	01/15/2017	14:15:00	13.93	787.	382.	59.33
01/16/2017	00:15:00	-	01/16/2017	14:10:00	13.92	893.	503.	59.70
01/17/2017	00:10:00	-	01/17/2017	14:00:00	13.91	1009.	324.	60.34
01/18/2017	00:00:00	-	01/18/2017	13:50:00	13.90	824.	146.	60.58
01/18/2017	23:55:00	-	01/19/2017	13:45:00	13.89	942.	267.	60.90
01/19/2017	23:55:00	-	01/20/2017	13:45:00	13.88	1363.	682.	61.25
01/20/2017	23:45:00	-	01/21/2017	13:35:00	13.87	1181.	495.	61.74
01/21/2017	23:40:00	-	01/22/2017	13:30:00	13.85	1298.	602.	62.13
01/22/2017	23:35:00	-	01/23/2017	13:25:00	13.84	1411.	708.	62.52
01/23/2017	23:30:00	-	01/24/2017	13:15:00	13.83	1569.	454.	62.82
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01/25/2017	23:20:00	-	01/26/2017	13:05:00	13.81	1771.	647.	63.74
01/26/2017	23:15:00	-	01/27/2017	13:00:00	13.79	1865.	752.	64.25
01/27/2017	23:05:00	-	01/28/2017	12:50:00	13.78	1659.	556.	64.77
01/28/2017	23:00:00	-	01/29/2017	12:45:00	13.76	1753.	670.	65.33
01/29/2017	23:00:00	-	01/30/2017	12:45:00	13.75	2157.	1086.	65.82
01/30/2017	22:55:00	-	01/31/2017	12:35:00	13.74	2261.	905.	66.77