## MMT Observing Schedule September 2011

<u>Date*</u>	<u>Day</u>	<u>Moon</u>	<u>Observer</u>	<u>Instrument</u>	Hecto Assistant	<u>Secondary</u>	<u>Operator</u>	<u>Program</u>
1 (9.4)	Th	4.4	Berger	Blue Channel		f/9	Milone	SAO-9
2 (9.5)	F	5.4	II	"		"	n	11
3 "	S	6.3	H	"		"	"	"
4 "	S	7.3	Sanders	"		"	"	SAO-6
5 (9.6)	М	8.2	II	"		"	n	11
6 "	Т	9.2	M&E / Allen	Hectochelle	Calkins	f/5	Gottilla	M&E / PA-11B-0472
7 "	W	10.1	Meibom	"	"	"	"	SAO-8
8 (9.7)	Th	11.1	H	"	Berlind	"	"	"
9 "	F	12.0	H	"	"	"	"	"
10 "	S	13.0	Meibom / Dupree	I	II	"	"	SAO-8 / SAO-12
11 (9.8)	S	13.9	Dupree	"	"	"	II	SAO-12
12 "	М	-13.1	II	"	Calkins	"	"	"
13 "	Т	-12.2	Strader	"	"	"	McAfee	SAO-10
14 (9.9)	W	-11.2	H	"	"	"	"	"
15 "	Th	-10.3	II	I	II	"	"	"
16 "	F	-9.3	Geller	Hectospec	Berlind	"	"	SAO-2
17 (10.0)	S	-8.4	"	"	II	"	"	"
18 "	S	-7.5	11	II	II	"	"	"
19 "	М	-6.5	Pereira	"	II	"	"	UAO-S5
20 (10.1)	Т	-5.6	"	"	Calkins	"	Milone	II
21 "	W	-4.6	Fan	"	II	"	"	UAO-S8
22 "	Th	-3.7	"	"	II	"	"	II
23 (10.2)	F	-2.7	Beaton	II	II	"	II	UAO-G76
24 "	S	-1.8	II	"	Berlind	I	II	II
25 "	S	-0.8	Massey	"	"	"	"	PA-11B-0083
26 (10.3)	Μ	0.1	Bian	Blue Channel		f/9	"	UAO-S20
27 "	Т	1.1	Skillman	"		"	Gottilla	UAO-G27
28 "	W	2.0	II	"		"	"	I
29 (10.4)	Th	3.0	Stark	"		"	"	UAO-S15
30 "	F	3.9	II	"		"	"	II

## MMT Observing Schedule October 2011

1   (10.4)   S   4.9   McGreer   Red Channel   "   Gottilla   UAO-S4     2   (10.5)   S   5.8   "   SAO-11   "   "   "   "   "   "	Date*	<u>Day</u>	<u>Moon</u>	<u>Observer</u>	Instrument	Hecto Assistant	<u>Secondary</u>	<u>Operator</u>	<u>Program</u>
2 (10.5) S 3.3   3 " " " "   4 " T 7.7 " " "   4 " T 7.7 " " " MdLee   5 (10.6) W 8.7 M&E LGS/ARIES "/ " MdE   6 " Th 9.6 " NGS/ARIES " " " MdE   7 " F 10.6 Adams " " SAO-11 " " "   9 " S 11.5 " " " " " " "   10 M 13.4 Brodwin SWIRC 1/5 " SAO-18 " " " " UAO-S22   14 " T -1.17 Fan " " UAO-S7 " " " UAO-S7   16 " S -8.9 " " " Gottila PA-11B-0417 UAO-S7	1 (10.4)	S	4.9	McGreer	Red Channel		"	Gottilla	UAO-S4
3 M 0.0 " McAfee "   5 (10.6) W 8.7 M&E LGS/ARIES //15 " M&E   6 " Th 9.6 " NGS/ARIES " " " M&E   7 " F 10.6 Adams " " " SAO-11   8 (10.7) S 11.5 " " " " SAO-11   9 " S 12.5 " " " " SAO-18   11 " T -13.6 " " " Milone "   12 (10.8) W -12.7 " " " " WAO-S22   14 " F -10.8 " " " UAO-S22   14 " F -10.8 " " " WAO-S2   15 (10.9) S -9.9 Walth<"	2 (10.5)	S	5.8	"	"		"	"	"
5 (10.6) W 8.7 M&E LGS/ARIES fi15 * M&E   6 * Th 9.6 * NGS/ARIES *	3 "	М	6.8	II	"		"	"	"
6   "   NGS/ARIES   "	4 "	Т	7.7	u	"		"	McAfee	"
0 111 9.0 NOSARIES   7 " F 10.6 Adams " " " SAO-11   8 (10.7) S 11.5 " " " " " " "   9 " S 12.5 " " " " " " "   10 " M 13.4 Brodwin SWIRC f/5 " SAO-18   11 " T -13.6 " " " " Milone "   12 (10.8) W -12.7 " " " " UAO-S22   14 " F -10.8 " " " UAO-S7   13 " Th -11.7 Fan " " " UAO-S7   14 " F -10.8 " " " " UAO-S7   16 S 8.9 " " " " WAO-S7 " " PA-118-0417	5 (10.6)	W	8.7	M&E	LGS/ARIES		f/15	n	M&E
Addition Addition Second Control of Co	6 "	Th	9.6	"	NGS/ARIES		"	"	"
9   N   12.5   "	7 "	F	10.6	Adams	"		"	n	SAO-11
10   M   13.4   Brodwin   SWIRC   f/5   "   SAO-18     11   "   T   -13.6   "   "   Milone   "     12   (10.8)   W   -12.7   "   "   "   "   "   "   "     13   "   Th   -11.7   Fan   "   "   "   "   "   "   WAO-S22     14   "   F   -10.8   "   "   "   "   "   "   WAO-S22     14   "   F   -10.8   "   "   "   "   "   WAO-S22     14   "   F   -10.8   "   "   "   "   "   WAO-S2     15   (10.9)   S   -9.9   Walth   "   "   "   "   WAO-S7     18   "   T   -7.0   Cummings   "   "   Gottilla   PA-11B-0417   VAO-S14     20<	8 (10.7)	S	11.5	"	"		"	n	"
11 " T -13.6 " " " Milone "   12 (10.8) W -12.7 " <td>9 "</td> <td>S</td> <td>12.5</td> <td>"</td> <td>II</td> <td></td> <td>"</td> <td>II</td> <td>"</td>	9 "	S	12.5	"	II		"	II	"
12 (10.8) W -12.7 " " " " " " " " " " UAO-S22   14 " F -10.8 " " " " " UAO-S22   14 " F -10.8 " " " " " " "   15 (10.9) S -9.9 Walth " WAO-S7 ` ` ` ` ` " " " " " " ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` <td>10 "</td> <td>М</td> <td>13.4</td> <td>Brodwin</td> <td>SWIRC</td> <td></td> <td>f/5</td> <td>II</td> <td>SAO-18</td>	10 "	М	13.4	Brodwin	SWIRC		f/5	II	SAO-18
12 (10.6) W -12.7   13 " Th -11.7 Fan " " " UAO-S22   14 " F -10.8 " " " " " "   15 (10.9) S -9.9 Walth " " " UAO-S7   16 " S -8.9 " " " " " "   17 " M -8.0 Caldwell / M&E Hectochelle Berlind " " SAO-3 / M&E   18 " T -7.0 Cummings " " " Gottilla PA-11B-0417   19 (11.0) W -6.1 Cummings / Kim " " " PA-11B-0417   20 " Th -5.1 Caldwell / Liu Hectospec " " " SAO-3/ M&E   21 " F -4.2 Berger " Calkins<"	11 "	Т	-13.6	"	II		"	Milone	"
13 Init -11.7 Pail	12 (10.8)	W	-12.7	"	II		"	"	"
14 r r r r r r r uadots   15 (10.9) S -9.9 Walth " " " UAO-S7   16 " S -8.9 " " " " " UAO-S7   17 " M -8.0 Caldwell / M&E Hectochelle Berlind " " SAO-3 / M&E   18 " T -7.0 Cummings / Kim " " Gottilla PA-11B-0417   19 (11.0) W -6.1 Cummings / Kim " " " PA-11B-0417   20 " Th -5.1 Caldwell / Liu Hectospec " " " SAO-17 / SAO-19   21 " F -4.2 Berger " Calkins<"	13 "	Th	-11.7	Fan	"		"	"	UAO-S22
15 (10.9) 3 -3.9 Waith 000-S7   16 " S -8.9 " SAO-37 / M&E " " " SAO-37 / M&E " <	14 "	F	-10.8	"	II		"	"	"
Io   S   -o.9     17   "   M   -8.0   Caldwell / M&E   Hectochelle   Berlind   "   "   SAO-3 / M&E     18   "   T   -7.0   Cummings   "   "   "   Gottilla   PA-11B-0417     19   (11.0)   W   -6.1   Cummings / Kim   "   "   "   PA-11B-0417 / UAO-S18     20   "   Th   -5.1   Caldwell / Liu   Hectospec   "   "   PA-11B-0417 / UAO-S18     20   "   Th   -5.1   Caldwell / Liu   Hectospec   "   "   SAO-17 / SAO-19     21   "   F   -4.2   Berger   "   Calkins<"	15 (10.9)	S	-9.9	Walth	II		"	"	UAO-S7
18   "   T   -7.0   Cummings   "   "   Gottilla   PA-11B-0417     19   (11.0)   W   -6.1   Cummings / Kim   "   "   "   PA-11B-0417     20   "   Th   -5.1   Caldwell / Liu   Hectospec   "   "   "   SAO-17 / SAO-19     21   "   F   -4.2   Berger   "   Calkins   "   "   SAO-3     22   (11.1)   S   -3.2   "   "   "   "   "   SAO-9     22   (11.1)   S   -3.2   "   "   "   "   "   SAO-9     22   (11.1)   S   -3.2   "   "   "   "   SAO-9     24   "   M   -1.3   Bagley (.67) / Ammons (.33)   "   "   "   UAO-S23 / UAO-S3     25   "   T   -0.4   Smith, M.   "   Berlind   "   McAfee   UAO-G80 / SAO-7	16 "	S	-8.9	"	"		"	"	"
16   1   -7.0   Cultimings   "   "   Goldinal   PA-11B-0417     19   (11.0)   W   -6.1   Cummings / Kim   "   "   "   PA-11B-0417   UAO-S18     20   "   Th   -5.1   Caldwell / Liu   Hectospec   "   "   "   SAO-17 / SAO-19     21   "   F   -4.2   Berger   "   Calkins   "   "   SAO-17 / SAO-19     21   "   F   -4.2   Berger   "   Calkins   "   "   SAO-14     22   (11.1)   S   -3.2   "   "   "   "   SAO-14     23   "   S   -2.3   Drake   "   "   "   UAO-S23 / UAO-S3     25   "   T   -0.4   Smith, M.   "   Berlind   "   McAfee   UAO-G82     26   (11.2)   W   0.6   Xue / Brown   "   "   "   "   SAO-5	17 "	М	-8.0	Caldwell / M&E	Hectochelle	Berlind	"	"	SAO-3 / M&E
19 (11.0) W -6.1 Cummings / Kim " " " " PA-11B-0417 / UAO-S18   20 " Th -5.1 Caldwell / Liu Hectospec " " " SAO-17 / SAO-19   21 " F -4.2 Berger " Calkins " " SAO-9   22 (11.1) S -3.2 " " " " SAO-14   23 " S -2.3 Drake " " " " "   23 " S -2.3 Drake " " " " " "   24 " M -1.3 Bagley (.67) / Ammons (.33) " " " UAO-S23 / UAO-S3   25 " T -0.4 Smith, M. " Berlind " McAfee UAO-G82   26 (11.2) W 0.6 Xue / Brown " " " UAO-G80 / SAO-7   27 " Th 1.5 Brown Blue Channel	18 "	Т	-7.0	Cummings	"	"	"	Gottilla	PA-11B-0417
21   F   -4.2   Berger   "   Calkins   "   "   SAO-9     22   (11.1)   S   -3.2   "   SAO-14   "   "   UAO-S23 / UAO-S3   "   "   "   UAO-G82   UAO-G82   UAO-G82   UAO-G82   UAO-G82   UAO-G82   "   "   "   UAO-G80 / SAO-7   SAO-5   "   "   "   "   "   "   "   "   "   "   "   "   "   "<	19 (11.0)	W	-6.1	Cummings / Kim	II	"	"	"	PA-11B-0417 / UAO-S18
21   F   -4.2   Berger   "   Calkins   "   "   SAO-9     22   (11.1)   S   -3.2   "   SAO-14   "   "   SAO-14   "   "   "   SAO-14   "   "   SAO-14   "   "   "   SAO-14   "   "   UAO-S23 / UAO-S3   "   "   "   UAO-S23 / UAO-S3   "   "   "   UAO-G82   UAO-G82   UAO-G82   UAO-G82   "   "   "   UAO-G80 / SAO-7   "   "   "   UAO-G80 / SAO-5   "   "   "   "   "   "   "   "   "   "   "	20 "	Th	-5.1	Caldwell / Liu	Hectospec	"	"	"	SAO-17 / SAO-19
22 (11.1) S -3.2 " " " " " " " " "   23 " S -2.3 Drake " " " " SAO-14   24 " M -1.3 Bagley (.67) / Ammons (.33) " " " UAO-S23 / UAO-S3   25 " T -0.4 Smith, M. " Berlind " McAfee UAO-G82   26 (11.2) W 0.6 Xue / Brown " " " UAO-G80 / SAO-7   27 " Th 1.5 Brown Blue Channel f/9 " UAO-G80 / SAO-5   28 " F 2.5 " " " " "   29 " S 3.4 " " " " " "   30 (11.3) S 4.4 " " " " " "	21 "	F	-4.2	Berger		Calkins	"	"	SAO-9
24   "   M   -1.3   Bagley (.67) / Ammons (.33)   "   "   "   "   UAO-S23 / UAO-S3     25   "   T   -0.4   Smith, M.   "   Berlind   "   McAfee   UAO-G82     26   (11.2)   W   0.6   Xue / Brown   "   "   "   UAO-G80 / SAO-7     27   "   Th   1.5   Brown   Blue Channel   f/9   "   UAO-G80 / SAO-7     28   "   F   2.5   "   "   "   "   "     29   "   S   3.4   "   "   "   "   "     30   (11.3)   S   4.4   "   "   "   "   "   "	22 (11.1)	S	-3.2		"	II	"	"	"
25   "   T   -0.4   Smith, M.   "   Berlind   "   McAfee   UAO-G82     26   (11.2)   W   0.6   Xue / Brown   "   "   "   UAO-G80 / SAO-7     27   "   Th   1.5   Brown   Blue Channel   f/9   "   SAO-5     28   "   F   2.5   "   "   "   "   "     29   "   S   3.4   "   "   "   "   "     30   (11.3)   S   4.4   "   "   "   "   "	, ,	S	-2.3	Drake	"	"	II.	"	SAO-14
25   "   T   -0.4   Smith, M.   "   Berlind   "   McAfee   UAO-G82     26   (11.2)   W   0.6   Xue / Brown   "   "   "   UAO-G80 / SAO-7     27   "   Th   1.5   Brown   Blue Channel   f/9   "   SAO-5     28   "   F   2.5   "   "   "   "   "     29   "   S   3.4   "   "   "   "   "     30   (11.3)   S   4.4   "   "   "   "   "	24 "	М	-1.3	Bagley (.67) / Ammons (.33)	"	"	"	"	UAO-S23 / UAO-S3
26 (11.2) W 0.6 Ade / Brown Blue Channel f/9 " OAO-G80 / SAO-7   27 " Th 1.5 Brown Blue Channel f/9 " SAO-5   28 " F 2.5 " " " "   29 " S 3.4 " " " "   30 (11.3) S 4.4 " " " " "	25 "	Т	-0.4		"	Berlind	"	McAfee	UAO-G82
27   Th   1.5   Brown   Blue Channel   f/9   "   SAO-5     28   "   F   2.5   "   "   "   "   "   "     29   "   S   3.4   "   "   "   "   "   "     30   (11.3)   S   4.4   "   "   "   "   "   "	26 (11.2)	W	0.6	Xue / Brown	"	"	"	"	UAO-G80 / SAO-7
20   r   2.3     29   S   3.4   " </td <td>27 "</td> <td>Th</td> <td>1.5</td> <td>Brown</td> <td>Blue Channel</td> <td></td> <td>f/9</td> <td>"</td> <td>SAO-5</td>	27 "	Th	1.5	Brown	Blue Channel		f/9	"	SAO-5
29   3   5.4     30 (11.3)   S   4.4   "   "   "   "   "	28 "	F	2.5	"	"		"	"	"
30 (11.3) · · · · · · · · · · · · · · · · · · ·	29 "	S	3.4	"	II		"	"	"
31 " M 5.3 " " " " " "	30 (11.3)	S	4.4	"	"		"	"	II
	31 "	М	5.3	"	"		"	"	"

## MMT Observing Schedule November 2011

<u>Date*</u>	<u>Day</u>	<u>Moon</u>	<u>Observer</u>	<u>Instrument</u>	Hecto Assistant	<u>Secondary</u>	<u>Operator</u>	Program
1 (11.3)	Т	6.3	Bian	Blue Channel		f/9	Milone	UAO-S20
2 (11.4)	W	7.2	II	"		"	II	"
3 "	Th	8.2	Fan	Red Channel		"	"	UAO-S22
4 "	F	9.1	M&E	NGS/MIRAC/BLINC		f/15	"	M&E
5 "	S	10.1	Hora	II		"	"	SAO-1
6 "	S	11.0	Humphries	II		"	H	UAO-G26
7 (11.5)	М	12.0	II	II		"	II	11
8 "	Т	12.9	II	"		"	Gottilla	"
9 "	W	13.9	Jones	NGS/MMTPol		"	"	UAO-G25
10 "	Th	-13.2	11	"		"	"	"
11 (11.6)	F	-12.3	Follette	NGS/CLIO		"	"	UAO-S11
12 "	S	-11.3	Bailey	"		"	"	UAO-S21
13 "	S	-10.4	11	"		"	"	II
14 "	М	-9.4	Bechtold	MAESTRO		f/5	"	UAO-E29
15 "	Т	-8.5	II	II		"	McAfee	II
16 (11.7)	W	-7.5	Berger	Hectospec	Berlind	"	"	SAO-9
17 "	Th	-6.6	Drake	II	"	"	"	SAO-14
18 "	F	-5.6	Bagley (.67) / Ammons (.33)	II	"	"	"	UAO-S23 / UAO-S3
19 "	S	-4.7	II	II	"	"	"	"
20 (11.8)	S	-3.7	II	II	Calkins	"	"	"
21 "	М	-2.8	Kriek	II	"	"	"	SAO-16
22 "	Т	-1.8	Espaillat	II	"	"	Milone	SAO-13
23 "	W	-0.9	Olszewski	Blue Channel		f/9	"	UAO-S12
24 "	Th	0.1	II	II		"	"	"
25 "	F	1.0	II	II		"	"	"
26 "	S	2.0	Berger	"		"	"	SAO-9
27 "	S	2.9	"	"		"	"	II
28 (11.9)	М	3.9	"	"		"	"	"
29 "	Т	4.8	Bechtold	Blue Echellette		"	Gottilla	UAO-S10
30 "	W	5.8	II	"		"	"	"

## MMT Observing Schedule December 2011

Date*	<u>Day</u>	<u>Moon</u>	<u>Observer</u>	<u>Instrument</u>	Hecto Assistant	<u>Secondary</u>	<u>Operator</u>	<u>Program</u>
1 (11.9)	Th	6.7	Pascucci	Blue Echellette		f/9	Gottilla	UAO-S14
2 "	F	7.7	II	"		"	"	"
3 "	S	8.6	Farihi	II		"	II	PA-11B-0206
4 "	S	9.6	II	II		"	II	"
5 "	М	10.5	M&E			"	II	Mirror Wash
6 "	Т	11.5	II			"	McAfee	"
7 (12.0)	W	12.4	Teske	NGS/ARIES		f/15	"	UAO-S19
8 "	Th	13.3	M&E / Z. Jiang	W		"	"	M&E / UAO-G79
9 "	F	-13.7	Hart	LGS/ARIES		"	"	UAO-E30
10 "	S	-12.8	I	"		"	"	"
11 "	S	-11.8	II	"		"	"	"
12 "	М	-10.9	Strader	Hectochelle	Berlind	f/5	"	SAO-10
13 "	Т	-9.9	Furesz	n	n	"	Milone	SAO-4
14 "	W	-9.0	I	n	n	"	"	"
15 "	Th	-8.0	I	n	n	"	"	"
16 "	F	-7.1	Xu	Red Channel		f/9	"	UAO-S6
17 "	S	-6.1	I	"		"	"	"
18 "	S	-5.2	Jiang	"		"	"	UAO-S9
19 "	М	-4.2	Williams	SPOL		"	"	DIR
20 "	Т	-3.3	I	n		"	Gottilla	"
21 "	W	-2.3	"	"		"	"	"
22 "	Th	-1.4	Soderberg	Blue Channel		"	"	SAO-15
23 "	F	-0.4	I	"		"	"	"
24 "	S	0.5	Closed					
25 "	S	1.5	SAO TBS / Wang	Blue Channel		f/9	Gottilla	TBS / UAO-G81
26 "	М	2.4	Berger / Wang	"		"	"	SAO-9 / UAO-G81
27 "	Т	3.4	Monier	"		"	McAfee	PA-11B-0585
28 "	W	4.3	Berger	"		"	"	SAO-9
29 "	Th	5.3	"	"		"	"	II
30 "	F	6.2	"	"		"	"	II
31 "	S	7.2	"	"		"	"	II