

**MMT Observing Schedule  
January 2013**

| <u>Date*</u> | <u>Day</u> | <u>Moon</u> | <u>Observer</u> | <u>Instrument</u> | <u>Hecto Assistant</u> | <u>Secondary</u> | <u>Operator</u> | <u>Program</u>  |
|--------------|------------|-------------|-----------------|-------------------|------------------------|------------------|-----------------|-----------------|
| 1 (12.0)     | T          | -9.0        | M&E             | NGS Topbox        |                        | f/15             | Gottilla        | M&E             |
| 2 "          | W          | -8.1        | Green           | Blue Channel      |                        | f/9              | Milone          | UAO-EPO66       |
| 3 "          | Th         | -7.1        | Zaritsky        | Red Channel       |                        | "                | "               | UAO-S17         |
| 4 (11.9)     | F          | -6.2        | "               | "                 |                        | "                | "               | "               |
| 5 "          | S          | -5.2        | Clement         | "                 |                        | "                | "               | UAO-S19         |
| 6 "          | S          | -4.3        | "               | "                 |                        | "                | "               | "               |
| 7 "          | M          | -3.3        | Williams        | SPOL              |                        | "                | "               | DIR             |
| 8 "          | T          | -2.4        | "               | "                 |                        | "                | Gottilla        | "               |
| 9 "          | W          | -1.5        | "               | "                 |                        | "                | "               | "               |
| 10 "         | Th         | -0.5        | Berger          | Blue Channel      |                        | "                | "               | SAO-10          |
| 11 "         | F          | 0.4         | "               | "                 |                        | "                | "               | "               |
| 12 (11.8)    | S          | 1.4         | "               | "                 |                        | "                | "               | "               |
| 13 "         | S          | 2.3         | Zaritsky        | "                 |                        | "                | "               | UAO-S16         |
| 14 "         | M          | 3.3         | Smith, N.       | "                 |                        | "                | "               | UAO-S13         |
| 15 "         | T          | 4.2         | M&E             | "                 |                        | "                | Martin          | M&E             |
| 16 "         | W          | 5.2         | "               | "                 |                        | "                | "               | "               |
| 17 "         | Th         | 6.1         | Paggi / Falco   | "                 |                        | "                | "               | SAO-13 / SAO-16 |
| 18 (11.7)    | F          | 7.1         | " / "           | "                 |                        | "                | "               | " / "           |
| 19 "         | S          | 8.0         | Farihi          | "                 |                        | "                | "               | PA-12B-0140     |
| 20 "         | S          | 9.0         | "               | "                 |                        | "                | "               | "               |
| 21 "         | M          | 9.9         | Stark           | Red Channel       |                        | "                | "               | UAO-S3          |
| 22 "         | T          | 10.9        | "               | "                 |                        | "                | Milone          | "               |
| 23 (11.6)    | W          | 11.8        | M&E             | SWIRC             |                        | f/5              | "               | M&E             |
| 24 "         | Th         | 12.8        | Buenzli         | "                 |                        | "                | "               | UAO-S14         |
| 25 "         | F          | 13.7        | Hinz, J.        | "                 |                        | "                | "               | DIR             |
| 26 "         | S          | -13.3       | Rajan           | "                 |                        | "                | "               | UAO-S99         |
| 27 "         | S          | -12.4       | "               | "                 |                        | "                | "               | "               |
| 28 (11.5)    | M          | -11.4       | Bussmann        | "                 |                        | "                | "               | SAO-14          |
| 29 "         | T          | -10.5       | "               | "                 |                        | "                | Gottilla        | "               |
| 30 "         | W          | -9.5        | "               | "                 |                        | "                | "               | "               |
| 31 "         | Th         | -8.6        | "               | "                 |                        | "                | "               | "               |

\*Numbers in parentheses are the number of hours for which the sun is greater than 12 degrees below the horizon.

**Schedule may be subject to change.**

**January 2013**

1/23/2013

**MMT Observing Schedule  
February 2013**

| <u>Date*</u> | <u>Day</u> | <u>Moon</u> | <u>Observer</u>              | <u>Instrument</u> | <u>Hecto Assistant</u> | <u>Secondary</u> | <u>Operator</u> | <u>Program</u>      |
|--------------|------------|-------------|------------------------------|-------------------|------------------------|------------------|-----------------|---------------------|
| 1 (11.5)     | F          | -7.6        | Berger                       | Blue Channel      |                        | f/9              | Gottilla        | SAO-10              |
| 2 (11.4)     | S          | -6.7        | "                            | "                 |                        | "                | "               | "                   |
| 3 "          | S          | -5.7        | "                            | "                 |                        | "                | "               | "                   |
| 4 "          | M          | -4.8        | "                            | "                 |                        | "                | "               | "                   |
| 5 "          | T          | -3.9        | Brown                        | "                 |                        | "                | Martin          | SAO-1               |
| 6 (11.3)     | W          | -2.9        | "                            | "                 |                        | "                | "               | "                   |
| 7 "          | Th         | -2.0        | "                            | "                 |                        | "                | "               | "                   |
| 8 "          | F          | -1.0        | "                            | "                 |                        | "                | "               | "                   |
| 9 "          | S          | -0.1        | "                            | "                 |                        | "                | "               | "                   |
| 10 "         | S          | 0.9         | Smith, N. (.25) / Bian (.75) | "                 |                        | "                | "               | UAO-S13 / UAO-S26   |
| 11 (11.2)    | M          | 1.8         | " / "                        | "                 |                        | "                | "               | " / "               |
| 12 "         | T          | 2.8         | " / "                        | "                 |                        | "                | Milone          | " / "               |
| 13 "         | W          | 3.7         | " / Smith, B. (.75)          | "                 |                        | "                | "               | " / UAO-S6          |
| 14 "         | Th         | 4.7         | M&E                          |                   |                        |                  | "               | M&E                 |
| 15 (11.1)    | F          | 5.6         | Berger / Chornock            | Hectospec/MMTCam  | Calkins                | f/5              | "               | SAO-6 / SAO-11      |
| 16 "         | S          | 6.6         | Walker                       | Hectochelle       | "                      | "                | "               | SAO-3               |
| 17 "         | S          | 7.5         | Olszewski                    | "                 | "                      | "                | "               | UAO-S27             |
| 18 (11.0)    | M          | 8.5         | Walker                       | "                 | "                      | "                | "               | SAO-8               |
| 19 "         | T          | 9.4         | "                            | "                 | Berlind                | "                | Gottilla        | "                   |
| 20 "         | W          | 10.4        | "                            | "                 | "                      | "                | "               | "                   |
| 21 (10.9)    | Th         | 11.3        | "                            | "                 | "                      | "                | "               | "                   |
| 22 "         | F          | 12.3        | "                            | "                 | "                      | "                | "               | "                   |
| 23 "         | S          | 13.2        | Covey / Caldwell             | "                 | Calkins                | "                | "               | PA-13A-0405 / SAO-9 |
| 24 "         | S          | -13.8       | " / "                        | "                 | "                      | "                | "               | " / "               |
| 25 (10.8)    | M          | -12.9       | Caldwell                     | "                 | "                      | "                | "               | SAO-9               |
| 26 "         | T          | -11.9       | Kiminki                      | MAESTRO           |                        | "                | Martin          | UAO-E29             |
| 27 "         | W          | -11.0       | "                            | "                 |                        | "                | "               | "                   |
| 28 (10.7)    | Th         | -10.0       | "                            | "                 |                        | "                | "               | "                   |

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**February 2013**

1/28/2013

**MMT Observing Schedule  
March 2013**

| <u>Date*</u> | <u>Day</u> | <u>Moon</u> | <u>Observer</u>                   | <u>Instrument</u> | <u>Hecto Assistant</u> | <u>Secondary</u> | <u>Operator</u> | <u>Program</u>             |
|--------------|------------|-------------|-----------------------------------|-------------------|------------------------|------------------|-----------------|----------------------------|
| 1 (10.7)     | F          | -9.1        | Liu / Wong                        | Hectospec         | Calkins                | f/5              | Martin          | UAO-G5 / UAO-S21           |
| 2 "          | S          | -8.1        | Liu / Just                        | "                 | "                      | "                | "               | UAO-G5 / UAO-S1B           |
| 3 "          | S          | -7.2        | Caldwell                          | "                 | "                      | "                | "               | SAO-12                     |
| 4 (10.6)     | M          | -6.3        | "                                 | "                 | Berlind                | "                | "               | "                          |
| 5 "          | T          | -5.3        | Fang(.25) / Cohen(.5) / Just(.25) | "                 | "                      | "                | Milone          | UAO-G6 /UAO-S10/ UAO-S1B   |
| 6 "          | W          | -4.4        | " / " / "                         | "                 | "                      | "                | "               | " / " / "                  |
| 7 "          | Th         | -3.4        | Kim (.25) / Just (.75)            | "                 | "                      | "                | "               | UAO-S20 / UAO-S1B          |
| 8 "          | F          | -2.5        | Kim(.25) / Wang(.5) / Just(.25)   | "                 | Calkins                | "                | "               | UAO-S20 / UAO-S4 / UAO-S1B |
| 9 "          | S          | -1.5        | Fang (.25) / Wong (.75)           | "                 | "                      | "                | "               | UAO-G6 / UAO-S21           |
| 10 (10.4)    | S          | -0.6        | Fang(.25) / Kong(.5) / Wong(.25)  | "                 | "                      | "                | "               | UAO-G6 / UAO-G7 / UAO-S21  |
| 11 "         | M          | 0.4         | Liu / Just                        | "                 | Berlind                | "                | "               | UAO-G5 / UAO-S1B           |
| 12 "         | T          | 1.3         | Dai                               | "                 | "                      | "                | Gottilla        | SAO-17                     |
| 13 (10.3)    | W          | 2.3         | Geller                            | "                 | "                      | "                | "               | SAO-2                      |
| 14 "         | Th         | 3.2         | "                                 | "                 | "                      | "                | "               | "                          |
| 15 "         | F          | 4.2         | Tegler                            | Red Channel       |                        | f/9              | "               | UAO-S12                    |
| 16 (10.2)    | S          | 5.1         | "                                 | "                 |                        | "                | "               | "                          |
| 17 "         | S          | 6.1         | Zheng                             | "                 |                        | "                | "               | UAO-S24                    |
| 18 "         | M          | 7.0         | Milne                             | Blue Channel      |                        | "                | "               | UAO-S9                     |
| 19 (10.1)    | T          | 8.0         | "                                 | "                 |                        | "                | Martin          | "                          |
| 20 "         | W          | 8.9         | M&E                               | NGS/ARIES         |                        | f/15             | "               | M&E                        |
| 21 "         | Th         | 9.9         | De Rosa / Kulesa                  | "                 |                        | "                | "               | UAO-S2 / UAO-S22           |
| 22 (10.0)    | F          | 10.8        | " / "                             | "                 |                        | "                | "               | " / "                      |
| 23 "         | S          | 11.8        | " / "                             | "                 |                        | "                | "               | " / "                      |
| 24 "         | S          | 12.7        | " / "                             | "                 |                        | "                | "               | " / "                      |
| 25 (9.9)     | M          | 13.7        | Wong / Kriek                      | Hectospec         | Berlind                | f/5              | "               | UAO-S21 / PA-12B-0185      |
| 26 "         | T          | -13.4       | " / "                             | "                 | "                      | "                | Milone          | " / "                      |
| 27 "         | W          | -12.4       | Wang (.75) / Just (.25)           | "                 | "                      | "                | "               | UAO-S4 / UAO-S1B           |
| 28 (9.8)     | Th         | -11.5       | Cohen (.75) / Just (.25)          | "                 | "                      | "                | "               | UAO-S10 / UAO-S1B          |
| 29 "         | F          | -10.5       | Covey / Ly                        | "                 | Calkins                | "                | "               | PA-13A-0405 / PA-13A-0072  |
| 30 "         | S          | -9.6        | Berger / Geller                   | MMT Cam/Hectospec | "                      | "                | "               | SAO-6 / SAO-2              |
| 31 (9.7)     | S          | -8.6        | Chornock / Geller                 | " / "             | "                      | "                | "               | SAO-11 / "                 |

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**March 2013**

3/26/2013

**MMT Observing Schedule**  
**April 2013**

| <u>Date*</u> | <u>Day</u> | <u>Moon</u> | <u>Observer</u>                | <u>Instrument</u> | <u>Hecto Assistant</u> | <u>Secondary</u> | <u>Operator</u> | <u>Program</u>            |
|--------------|------------|-------------|--------------------------------|-------------------|------------------------|------------------|-----------------|---------------------------|
| 1 (9.7)      | M          | -7.7        | Geller / Benbow (.01)          | Hectospec         | Calkins                | f/5              | Milone          | SAO-2 / SAO-4             |
| 2 "          | T          | -6.8        | " / "                          | "                 | Berlind                | "                | Gottilla        | " / SAO-5                 |
| 3 (9.6)      | W          | -5.8        | Geller                         | "                 | "                      | "                | "               | SAO-2                     |
| 4 "          | Th         | -4.9        | "                              | "                 | "                      | "                | "               | "                         |
| 5 (9.5)      | F          | -3.9        | Sokal                          | "                 | "                      | "                | "               | UAO-G9                    |
| 6 "          | S          | -3.0        | "                              | "                 | Calkins                | "                | "               | "                         |
| 7 "          | S          | -2.0        | Wong / Caldwell                | "                 | "                      | "                | "               | UAO-S21 / SAO-12          |
| 8 (9.4)      | M          | -1.1        | Cai                            | Blue Channel      |                        | f/9              | "               | UAO-S25                   |
| 9 "          | T          | -0.1        | "                              | "                 |                        | "                | Martin          | "                         |
| 10 "         | W          | 0.8         | Cool                           | "                 |                        | "                | "               | DIR                       |
| 11 (9.3)     | Th         | 1.8         | Smith                          | "                 |                        | "                | "               | UAO-S33                   |
| 12 "         | F          | 2.7         | Berger                         | "                 |                        | "                | "               | SAO-10                    |
| 13 "         | S          | 3.7         | "                              | "                 |                        | "                | "               | "                         |
| 14 (9.2)     | S          | 4.6         | "                              | "                 |                        | "                | "               | "                         |
| 15 "         | M          | 5.6         | Milislavjevic                  | "                 |                        | "                | "               | SAO-7                     |
| 16 "         | T          | 6.5         | "                              | "                 |                        | "                | Milone          | "                         |
| 17 (9.1)     | W          | 7.5         | Jiang                          | Red Channel       |                        | "                | "               | UAO-S28                   |
| 18 "         | Th         | 8.4         | "                              | "                 |                        | "                | "               | "                         |
| 19 "         | F          | 9.4         | Stark                          | "                 |                        | "                | "               | UAO-S3                    |
| 20 (9.0)     | S          | 10.3        | "                              | "                 |                        | "                | "               | "                         |
| 21 "         | S          | 11.3        | Farihi / Farihi                | Blue Echellette   |                        | "                | "               | PA-13A-0301 / DIR         |
| 22 "         | M          | 12.2        | Caldwell                       | Hectochelle       | Berlind                | f/5              | "               | SAO-9                     |
| 23 (8.9)     | T          | 13.2        | "                              | "                 | "                      | "                | Gottilla        | "                         |
| 24 "         | W          | -13.9       | Meibom                         | "                 | "                      | "                | "               | SAO-15                    |
| 25 "         | Th         | -12.9       | "                              | "                 | "                      | "                | "               | "                         |
| 26 (8.8)     | F          | -12.0       | M&E / Covey                    | "                 | Calkins                | "                | "               | M&E / PA-13A-0405         |
| 27 "         | S          | -11.0       | Grindlay (.1) / Caldwell / Kim | MMTCam/ " / "     | "                      | "                | "               | SAO-18 / SAO-9 / UAO-S99B |
| 28 "         | S          | -10.1       | Geller                         | Hectospec         | "                      | "                | "               | SAO-2                     |
| 29 (8.7)     | M          | -9.2        | "                              | "                 | "                      | "                | "               | "                         |
| 30 "         | T          | -8.2        | L. Zhang                       | "                 |                        | "                | Martin          | UAO-G11                   |

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**April 2013**

4/23/2013