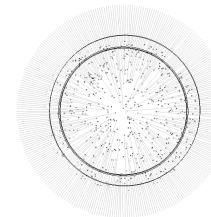




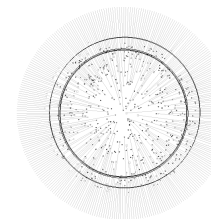
## MMT OBSERVATORY HECTOCHELLE LOG



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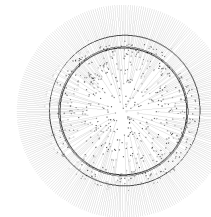
| <i>File</i>  | <i>Title</i> | <i>Filt</i> | <i>Exp</i> | <i>UT</i> | <i>RA</i>   | <i>Dec</i> | <i>HA</i> | <i>Air</i> | <i>Prop</i> | <i>Bin</i> | <i>Comments</i> |
|--------------|--------------|-------------|------------|-----------|-------------|------------|-----------|------------|-------------|------------|-----------------|
| ring250.8876 | parked       | RV31        | 0          | 00:05     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x3        |                 |
| ring250.8877 | parked       | RV31        | 0          | 00:06     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x3        |                 |
| ring250.8878 | parked       | RV31        | 0          | 00:06     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x3        |                 |
| ring250.8879 | parked       | RV31        | 0          | 00:06     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x3        |                 |
| ring250.8880 | parked       | RV31        | 0          | 00:07     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x3        |                 |
| ring250.8881 | parked       | RV31        | 0          | 00:07     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x3        |                 |
| ring250.8882 | parked       | RV31        | 0          | 00:07     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x3        |                 |
| ring250.8883 | parked       | RV31        | 0          | 00:08     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x3        |                 |
| ring250.8884 | parked       | RV31        | 0          | 00:08     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x3        |                 |
| ring250.8885 | parked       | RV31        | 0          | 00:08     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x3        |                 |
| ring250.8886 | parked       | RV31        | 0          | 00:09     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x3        |                 |
| ring250.8887 | parked       | RV31        | 0          | 00:09     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x1        |                 |
| ring250.8888 | parked       | RV31        | 0          | 00:10     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x1        |                 |
| ring250.8889 | parked       | RV31        | 0          | 00:10     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x1        |                 |
| ring250.8890 | parked       | RV31        | 0          | 00:11     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x1        |                 |
| ring250.8891 | parked       | RV31        | 0          | 00:12     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x1        |                 |
| ring250.8892 | parked       | RV31        | 0          | 00:13     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x1        |                 |
| ring250.8893 | parked       | RV31        | 0          | 00:13     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x1        |                 |
| ring250.8894 | parked       | RV31        | 0          | 00:14     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibration | 2x1        |                 |
| ring250.8895 | parked       | RV31        | 0          | 00:14     | -01:00:00.0 | -100:00:00 | -00:00    | 1.01       | calibration | 2x1        |                 |

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| File          | Title   | Filt | Exp | UT    | RA          | Dec        | HA     | Air  | Prop        | Bin | Comments |
|---------------|---------|------|-----|-------|-------------|------------|--------|------|-------------|-----|----------|
| ring250.8896  | parked  | RV31 | 0   | 00:15 | -01:00:00.0 | -100:00:00 | -00:01 | 1.54 | calibration | 2x1 |          |
| ring250.8897  | parked  | RV31 | 0   | 00:16 | -01:00:00.0 | -100:00:00 | -00:01 | 3.86 | calibration | 2x1 |          |
| comp.8898     | ring250 | RV31 | 200 | 00:55 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x3 |          |
| comp.8899     | ring250 | RV31 | 200 | 00:59 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x3 |          |
| comp.8900     | ring250 | RV31 | 200 | 01:02 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x3 |          |
| domeflat.8901 | ring250 | RV31 | 10  | 01:07 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x3 |          |
| domeflat.8902 | ring250 | RV31 | 10  | 01:08 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x3 |          |
| domeflat.8903 | ring250 | RV31 | 10  | 01:08 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x3 |          |
| domeflat.8904 | ring250 | Ca41 | 200 | 01:11 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x1 |          |
| domeflat.8905 | ring250 | Ca41 | 200 | 01:15 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x1 |          |
| domeflat.8906 | ring250 | Ca41 | 200 | 01:19 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x1 |          |
| comp.8907     | ring250 | Ca41 | 250 | 01:24 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x1 | 250s     |
| comp.8908     | ring250 | Ca41 | 250 | 01:29 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x1 |          |
| comp.8909     | ring250 | Ca41 | 250 | 01:34 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x1 |          |
| comp.8910     | ring250 | Ca41 | 300 | 01:41 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x1 |          |
| comp.8911     | ring250 | Ca41 | 300 | 01:47 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x1 |          |
| dark.8912     | ring250 | RV31 | 900 | 03:29 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x3 |          |
| dark.8913     | ring250 | RV31 | 900 | 03:44 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x3 |          |
| dark.8914     | ring250 | RV31 | 900 | 04:00 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x3 |          |
| dark.8915     | ring250 | RV31 | 900 | 04:15 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 2x3 |          |



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| <i>File</i> | <i>Title</i> | <i>Filt</i> | <i>Exp</i> | <i>UT</i> | <i>RA</i>   | <i>Dec</i> | <i>HA</i> | <i>Air</i> | <i>Prop</i>     | <i>Bin</i> | <i>Comments</i> |
|-------------|--------------|-------------|------------|-----------|-------------|------------|-----------|------------|-----------------|------------|-----------------|
| dark.8916   | ring250      | RV31        | 900        | 04:30     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibratio<br>n | 2x3        |                 |
| dark.8917   | ring250      | RV31        | 900        | 05:26     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibratio<br>n | 2x1        |                 |
| dark.8918   | ring250      | RV31        | 900        | 05:41     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibratio<br>n | 2x1        |                 |
| dark.8919   | ring250      | RV31        | 900        | 05:57     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibratio<br>n | 2x1        |                 |
| dark.8920   | ring250      | RV31        | 900        | 06:13     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibratio<br>n | 2x1        |                 |
| dark.8921   | ring250      | RV31        | 900        | 06:28     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibratio<br>n | 2x1        |                 |