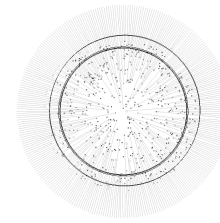
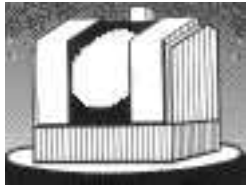


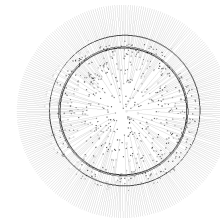
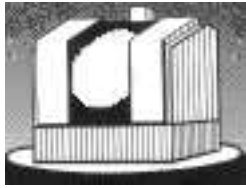
UT Date 02/24/2024 Observers KS

| File      | Title   | Filt | Exp | UT    | RA          | Dec        | HA     | Air  | Prop            | Bin | Comments |
|-----------|---------|------|-----|-------|-------------|------------|--------|------|-----------------|-----|----------|
| bias.2771 | parked  | RV31 | 0   | 22:49 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 | 1x1      |
| bias.2772 | parked  | RV31 | 0   | 22:50 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| bias.2773 | parked  | RV31 | 0   | 22:51 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| bias.2774 | parked  | RV31 | 0   | 22:52 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| bias.2775 | parked  | RV31 | 0   | 22:53 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| bias.2776 | parked  | RV31 | 0   | 22:53 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| bias.2777 | parked  | RV31 | 0   | 22:54 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| bias.2778 | parked  | RV31 | 0   | 22:55 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| bias.2779 | parked  | RV31 | 0   | 22:56 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| bias.2780 | parked  | RV31 | 0   | 22:57 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| bias.2781 | ring250 | RV31 | 0   | 23:00 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 | 2x3      |
| bias.2782 | ring250 | RV31 | 0   | 23:00 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| bias.2783 | ring250 | RV31 | 0   | 23:01 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| bias.2784 | ring250 | RV31 | 0   | 23:01 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| bias.2785 | ring250 | RV31 | 0   | 23:01 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| bias.2786 | ring250 | RV31 | 0   | 23:02 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| bias.2787 | ring250 | RV31 | 0   | 23:02 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| bias.2788 | ring250 | RV31 | 0   | 23:02 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| bias.2789 | ring250 | RV31 | 0   | 23:03 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| bias.2790 | ring250 | RV31 | 0   | 23:03 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |



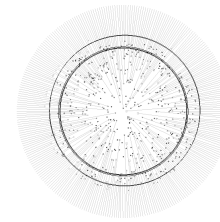
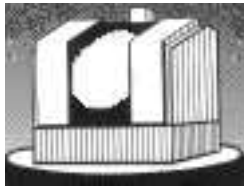
UT Date 02/24/2024 Observers KS

| File          | Title   | Filt | Exp | UT    | RA          | Dec        | HA     | Air  | Prop            | Bin | Comments |
|---------------|---------|------|-----|-------|-------------|------------|--------|------|-----------------|-----|----------|
| domeflat.2791 | ring250 | RV31 | 8   | 23:21 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 | RV31 2x3 |
| domeflat.2792 | ring250 | RV31 | 8   | 23:21 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| domeflat.2793 | ring250 | RV31 | 8   | 23:22 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| domeflat.2794 | ring250 | RV31 | 8   | 23:23 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| domeflat.2795 | ring250 | RV31 | 8   | 23:23 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| domeflat.2796 | ring250 | RV31 | 8   | 23:24 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| domeflat.2797 | ring250 | RV31 | 8   | 23:25 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| comp.2798     | ring250 | RV31 | 150 | 23:25 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| comp.2799     | ring250 | RV31 | 150 | 23:28 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| comp.2800     | ring250 | RV31 | 150 | 23:31 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |          |
| domeflat.2801 | ring250 | RV31 | 50  | 23:35 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 | RV31 1x1 |
| domeflat.2802 | ring250 | RV31 | 50  | 23:37 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| domeflat.2803 | ring250 | RV31 | 50  | 23:39 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| domeflat.2804 | ring250 | RV31 | 50  | 23:41 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| domeflat.2805 | ring250 | RV31 | 50  | 23:43 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| domeflat.2806 | ring250 | RV31 | 50  | 23:45 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| domeflat.2807 | ring250 | RV31 | 50  | 23:47 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| comp.2808     | ring250 | RV31 | 300 | 23:49 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| comp.2809     | ring250 | RV31 | 300 | 23:55 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |
| comp.2810     | ring250 | RV31 | 300 | 00:01 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 1x1 |          |



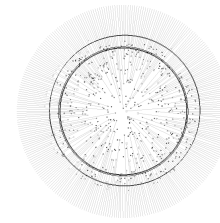
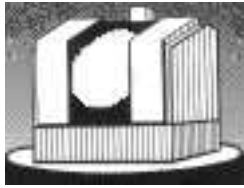
UT Date 02/24/2024 Observers KS

| File          | Title   | Filt | Exp | UT    | RA          | Dec        | HA     | Air  | Prop        | Bin | Comments              |
|---------------|---------|------|-----|-------|-------------|------------|--------|------|-------------|-----|-----------------------|
| domeflat.2811 | ring250 | OB21 | 20  | 00:09 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 | OB21 1x1              |
| domeflat.2812 | ring250 | OB21 | 20  | 00:10 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| domeflat.2813 | ring250 | OB21 | 20  | 00:12 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| domeflat.2814 | ring250 | OB21 | 20  | 00:13 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| domeflat.2815 | ring250 | OB21 | 20  | 00:15 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| domeflat.2816 | ring250 | OB21 | 20  | 00:16 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| domeflat.2817 | ring250 | OB21 | 20  | 00:18 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| comp.2818     | ring250 | OB21 | 240 | 00:20 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| comp.2819     | ring250 | OB21 | 240 | 00:25 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| comp.2820     | ring250 | OB21 | 240 | 00:30 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| domeflat.2821 | ring250 | OB25 | 20  | 00:36 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 | OB25 1x1              |
| domeflat.2822 | ring250 | OB25 | 20  | 00:38 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| domeflat.2823 | ring250 | OB25 | 20  | 00:39 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| domeflat.2824 | ring250 | OB25 | 20  | 00:41 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| domeflat.2825 | ring250 | OB25 | 20  | 00:42 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| domeflat.2826 | ring250 | OB25 | 20  | 00:44 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| domeflat.2827 | ring250 | OB25 | 20  | 00:45 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| sflat.2828    | ring250 | OB25 | 55  | 00:59 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 | OB25 1x1; Counts good |
| sflat.2829    | ring250 | OB25 | 60  | 01:01 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |
| sflat.2830    | ring250 | OB25 | 65  | 01:04 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibration | 1x1 |                       |

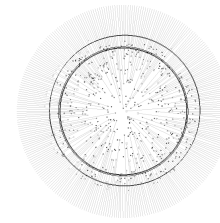


UT Date 02/24/2024 Observers KS

| File                                     | Title                             | Filt | Exp | UT    | RA          | Dec        | HA     | Air  | Prop               | Bin | Comments   |
|--|-----------------------------------|------|-----|-------|-------------|------------|--------|------|--------------------|-----|--|
| sflat.2831                               | ring250                           | RV31 | 10  | 01:08 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n    | 2x3 | RV31 2x3; counts good                            |
| sflat.2832                               | ring250                           | RV31 | 10  | 01:08 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n    | 2x3 |  |
| sflat.2833                               | ring250                           | RV31 | 10  | 01:09 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n    | 2x3 |  |
| sflat.2834                               | ring250                           | RV31 | 30  | 01:10 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n    | 1x1 | RV31 1x1; counts a bit low                       |
| sflat.2835                               | ring250                           | RV31 | 60  | 01:12 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n    | 1x1 | Counts good                                      |
| sflat.2836                               | ring250                           | RV31 | 75  | 01:14 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n    | 1x1 |  |
| sflat.2837                               | ring250                           | RV31 | 90  | 01:17 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n    | 1x1 |  |
| HD38230_1.2838                           | HD38230                           | RV31 | 90  | 02:11 | +05:46:11.3 | +37:22:04  | -00:45 | 1.01 | 2024A-SAO-<br>16   | 1x1 | Mostly clear; very few thin clouds;<br>WFS=1.06" |
| HD38230_1.2839                           | HD38230                           | RV31 | 90  | 02:14 | +05:46:11.3 | +37:22:04  | -00:43 | 1.01 | 2024A-SAO-<br>16   | 1x1 |  |
| HD38230_1.2840                           | HD38230                           | RV31 | 90  | 02:17 | +05:46:11.3 | +37:22:04  | -00:40 | 1.01 | 2024A-SAO-<br>16   | 1x1 |  |
| HD38230_1.2841                           | HD38230                           | RV31 | 90  | 02:19 | +05:46:11.3 | +37:22:04  | -00:37 | 1.01 | 2024A-SAO-<br>16   | 1x1 |  |
| HD38230_1.2842                           | HD38230                           | RV31 | 90  | 02:22 | +05:46:11.3 | +37:22:04  | -00:35 | 1.01 | 2024A-SAO-<br>16   | 1x1 |  |
| domeflat.2843                            | HD38230                           | RV31 | 50  | 02:24 | +05:46:11.5 | +37:22:08  | -00:32 | 1.01 | 2024A-SAO-<br>16   | 1x1 |  |
| comp.2844                                | HD38230                           | RV31 | 300 | 02:27 | +05:46:11.5 | +37:22:08  | -00:30 | 1.01 | 2024A-SAO-<br>16   | 1x1 |  |
| comp.2845                                | ring250                           | OB25 | 360 | 02:46 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n    | 1x1 | OB25 1x1   |
| comp.2846                                | ring250                           | OB25 | 360 | 02:53 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n    | 1x1 |  |
| comp.2847                                | ring250                           | OB25 | 360 | 03:00 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n    | 1x1 |  |
| domeflat.2848                            | Hsu_4_Gaia31501474<br>74103534080 | OB21 | 20  | 03:26 | +07:40:40.9 | +11:05:40  | -01:24 | 1.13 | 2024A-UAO-<br>G201 | 1x1 |  |
| Hsu_4_Gaia31501474741035<br>34080_1.2849 | Hsu_4_Gaia31501474<br>74103534080 | OB21 | 900 | 03:28 | +07:40:41.1 | +11:05:44  | -01:22 | 1.13 | 2024A-UAO-<br>G201 | 1x1 | Clear; WFS=1.38"                                 |
| Hsu_4_Gaia31501474741035<br>34080_1.2850 | Hsu_4_Gaia31501474<br>74103534080 | OB21 | 900 | 03:44 | +07:40:41.1 | +11:05:44  | -01:07 | 1.11 | 2024A-UAO-<br>G201 | 1x1 |  |

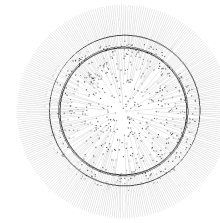
UT Date 02/24/2024 Observers KS

| File                                 | Title                         | Filt | Exp | UT    | RA          | Dec       | HA     | Air  | Prop           | Bin | Comments         |
|--------------------------------------|-------------------------------|------|-----|-------|-------------|-----------|--------|------|----------------|-----|------------------|
| Hsu_4_Gaia3150147474103534080_1.2851 | Hsu_4_Gaia3150147474103534080 | OB21 | 900 | 04:00 | +07:40:41.1 | +11:05:44 | -00:50 | 1.09 | 2024A-UAO-G201 | 1x1 |                  |
| domeflat.2852                        | Hsu_4_Gaia3150147474103534080 | OB21 | 20  | 04:16 | +07:40:40.9 | +11:05:40 | -00:34 | 1.08 | 2024A-UAO-G201 | 1x1 |                  |
| comp.2853                            | Hsu_4_Gaia3150147474103534080 | OB21 | 240 | 04:18 | +07:40:40.9 | +11:05:40 | -00:32 | 1.07 | 2024A-UAO-G201 | 1x1 |                  |
| domeflat.2854                        | Hsu_4_Gaia3150147474103534080 | OB25 | 20  | 04:26 | +07:40:40.9 | +11:05:40 | -00:25 | 1.07 | 2024A-UAO-G201 | 1x1 |                  |
| comp.2855                            | Hsu_4_Gaia3150147474103534080 | OB25 | 360 | 04:27 | +07:40:40.9 | +11:05:40 | -00:23 | 1.07 | 2024A-UAO-G201 | 1x1 |                  |
| Hsu_4_Gaia3150147474103534080_1.2856 | Hsu_4_Gaia3150147474103534080 | OB25 | 900 | 04:35 | +07:40:41.1 | +11:05:44 | -00:16 | 1.07 | 2024A-UAO-G201 | 1x1 | Clear; WFS=1.38" |
| Hsu_4_Gaia3150147474103534080_1.2857 | Hsu_4_Gaia3150147474103534080 | OB25 | 900 | 04:51 | +07:40:41.1 | +11:05:44 | -00:00 | 1.06 | 2024A-UAO-G201 | 1x1 |                  |
| Hsu_4_Gaia3150147474103534080_1.2858 | Hsu_4_Gaia3150147474103534080 | OB25 | 900 | 05:07 | +07:40:41.1 | +11:05:44 | +00:15 | 1.07 | 2024A-UAO-G201 | 1x1 |                  |
| comp.2859                            | Hsu_4_Gaia3150147474103534080 | OB25 | 360 | 05:23 | +07:40:40.9 | +11:05:40 | +00:32 | 1.07 | 2024A-UAO-G201 | 1x1 |                  |
| ta014241_gf1_1.2860                  | ta014241_gf1                  | RV31 | 600 | 05:44 | +11:31:00.3 | +45:58:06 | -02:56 | 1.24 | 2024A-SAO-16   | 2x3 | Clear; WFS=1.66" |
| ta014241_gf1_1.2861                  | ta014241_gf1                  | RV31 | 600 | 05:55 | +11:31:00.3 | +45:58:06 | -02:46 | 1.21 | 2024A-SAO-16   | 2x3 |                  |
| ta014241_gf1_1.2862                  | ta014241_gf1                  | RV31 | 600 | 06:05 | +11:31:00.3 | +45:58:06 | -02:35 | 1.19 | 2024A-SAO-16   | 2x3 |                  |
| ta014241_gf1_1.2863                  | ta014241_gf1                  | RV31 | 600 | 06:15 | +11:31:00.3 | +45:58:06 | -02:25 | 1.17 | 2024A-SAO-16   | 2x3 |                  |
| domeflat.2864                        | ta014241_gf1                  | RV31 | 8   | 06:26 | +11:31:00.8 | +45:58:07 | -02:14 | 1.14 | 2024A-SAO-16   | 2x3 |                  |
| comp.2865                            | ta014241_gf1                  | RV31 | 150 | 06:27 | +11:31:00.8 | +45:58:07 | -02:14 | 1.14 | 2024A-SAO-16   | 2x3 |                  |
| tc000169_gf1_1.2866                  | tc000169_gf1                  | RV31 | 600 | 06:42 | +12:32:38.6 | +52:53:51 | -03:00 | 1.27 | 2024A-SAO-16   | 2x3 | Clear; WFS=1.27" |
| tc000169_gf1_1.2867                  | tc000169_gf1                  | RV31 | 600 | 06:53 | +12:32:38.6 | +52:53:51 | -02:49 | 1.25 | 2024A-SAO-16   | 2x3 |                  |
| tc000169_gf1_1.2868                  | tc000169_gf1                  | RV31 | 600 | 07:03 | +12:32:38.6 | +52:53:51 | -02:39 | 1.22 | 2024A-SAO-16   | 2x3 |                  |
| domeflat.2869                        | tc000169_gf1                  | RV31 | 8   | 07:14 | +12:32:38.9 | +52:53:55 | -02:28 | 1.20 | 2024A-SAO-16   | 2x3 |                  |
| comp.2870                            | tc000169_gf1                  | RV31 | 150 | 07:14 | +12:32:38.9 | +52:53:55 | -02:27 | 1.20 | 2024A-SAO-16   | 2x3 |                  |

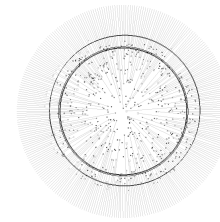
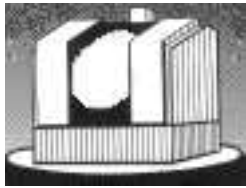


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| File                | Title        | Filt | Exp | UT    | RA          | Dec       | HA     | Air  | Prop         | Bin | Comments            |
|---------------------|--------------|------|-----|-------|-------------|-----------|--------|------|--------------|-----|---------------------|
| tc000168_gf1_1.2871 | tc000168_gf1 | RV31 | 600 | 07:37 | +13:50:33.9 | +50:28:26 | -03:22 | 1.33 | 2024A-SAO-16 | 2x3 | Clear; WFS=1.67"    |
| tc000168_gf1_1.2872 | tc000168_gf1 | RV31 | 600 | 07:48 | +13:50:33.9 | +50:28:26 | -03:12 | 1.30 | 2024A-SAO-16 | 2x3 |                     |
| tc000168_gf1_1.2873 | tc000168_gf1 | RV31 | 600 | 07:58 | +13:50:33.9 | +50:28:26 | -03:01 | 1.27 | 2024A-SAO-16 | 2x3 |                     |
| tc000168_gf1_1.2874 | tc000168_gf1 | RV31 | 600 | 08:08 | +13:50:33.9 | +50:28:26 | -02:51 | 1.24 | 2024A-SAO-16 | 2x3 |                     |
| domeflat.2875       | tc000168_gf1 | RV31 | 8   | 08:19 | +13:50:34.4 | +50:28:29 | -02:40 | 1.22 | 2024A-SAO-16 | 2x3 |                     |
| comp.2876           | tc000168_gf1 | RV31 | 150 | 08:20 | +13:50:34.4 | +50:28:29 | -02:39 | 1.21 | 2024A-SAO-16 | 2x3 |                     |
| tc000162_gf1_1.2877 | tc000162_gf1 | RV31 | 600 | 08:36 | +14:36:06.4 | +70:18:21 | -03:08 | 1.44 | 2024A-SAO-16 | 2x3 | Clear; seeing=2.14" |
| tc000162_gf1_1.2878 | tc000162_gf1 | RV31 | 600 | 08:46 | +14:36:06.4 | +70:18:21 | -02:58 | 1.42 | 2024A-SAO-16 | 2x3 |                     |
| tc000162_gf1_1.2879 | tc000162_gf1 | RV31 | 600 | 08:57 | +14:36:06.4 | +70:18:21 | -02:47 | 1.41 | 2024A-SAO-16 | 2x3 |                     |
| tc000162_gf1_1.2880 | tc000162_gf1 | RV31 | 600 | 09:07 | +14:36:06.4 | +70:18:21 | -02:37 | 1.39 | 2024A-SAO-16 | 2x3 |                     |
| tc000162_gf1_1.2881 | tc000162_gf1 | RV31 | 600 | 09:17 | +14:36:06.4 | +70:18:21 | -02:27 | 1.37 | 2024A-SAO-16 | 2x3 |                     |
| domeflat.2882       | tc000162_gf1 | RV31 | 8   | 09:28 | +14:36:06.9 | +70:18:25 | -02:16 | 1.36 | 2024A-SAO-16 | 2x3 |                     |
| comp.2883           | tc000162_gf1 | RV31 | 150 | 09:29 | +14:36:06.9 | +70:18:25 | -02:15 | 1.36 | 2024A-SAO-16 | 2x3 |                     |
| tc000163_gf1_1.2884 | tc000163_gf1 | RV31 | 600 | 09:46 | +12:00:08.6 | -14:27:02 | +00:36 | 1.46 | 2024A-SAO-16 | 2x3 | Clear; WFS=1.22"    |
| tc000163_gf1_1.2885 | tc000163_gf1 | RV31 | 600 | 09:57 | +12:00:08.6 | -14:27:02 | +00:47 | 1.48 | 2024A-SAO-16 | 2x3 |                     |
| tc000163_gf1_1.2886 | tc000163_gf1 | RV31 | 600 | 10:07 | +12:00:08.6 | -14:27:02 | +00:57 | 1.50 | 2024A-SAO-16 | 2x3 |                     |
| domeflat.2887       | tc000163_gf1 | RV31 | 8   | 10:18 | +12:00:08.4 | -14:27:06 | +01:08 | 1.52 | 2024A-SAO-16 | 2x3 |                     |
| comp.2888           | tc000163_gf1 | RV31 | 150 | 10:18 | +12:00:08.4 | -14:27:06 | +01:09 | 1.52 | 2024A-SAO-16 | 2x3 |                     |
| tc000155_gf1_1.2889 | tc000155_gf1 | RV31 | 600 | 10:36 | +17:11:17.6 | +46:55:32 | -03:43 | 1.40 | 2024A-SAO-16 | 2x3 | Clear; WFS=1.88"    |
| tc000155_gf1_1.2890 | tc000155_gf1 | RV31 | 600 | 10:47 | +17:11:17.6 | +46:55:32 | -03:32 | 1.36 | 2024A-SAO-16 | 2x3 |                     |

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| File                                  | Title                          | Filt | Exp | UT    | RA          | Dec        | HA     | Air  | Prop            | Bin | Comments         |
|---------------------------------------|--------------------------------|------|-----|-------|-------------|------------|--------|------|-----------------|-----|------------------|
| tc000155_gf1_1.2891                   | tc000155_gf1                   | RV31 | 600 | 10:57 | +17:11:17.6 | +46:55:32  | -03:22 | 1.32 | 2024A-SAO-16    | 2x3 |                  |
| tc000155_gf1_1.2892                   | tc000155_gf1                   | RV31 | 600 | 11:07 | +17:11:17.6 | +46:55:32  | -03:12 | 1.29 | 2024A-SAO-16    | 2x3 |                  |
| tc000155_gf1_1.2893                   | tc000155_gf1                   | RV31 | 600 | 11:18 | +17:11:17.6 | +46:55:32  | -03:01 | 1.26 | 2024A-SAO-16    | 2x3 |                  |
| domeflat.2894                         | tc000155_gf1                   | RV31 | 8   | 11:29 | +17:11:18.1 | +46:55:32  | -02:51 | 1.23 | 2024A-SAO-16    | 2x3 |                  |
| comp.2895                             | tc000155_gf1                   | RV31 | 150 | 11:29 | +17:11:18.1 | +46:55:32  | -02:50 | 1.23 | 2024A-SAO-16    | 2x3 |                  |
| tc000145_gf1_1.2896                   | tc000145_gf1                   | RV31 | 600 | 11:46 | +16:30:44.7 | -00:50:47  | -01:53 | 1.35 | 2024A-SAO-16    | 2x3 | Clear; WFS=1.36" |
| tc000145_gf1_1.2897                   | tc000145_gf1                   | RV31 | 600 | 11:57 | +16:30:44.7 | -00:50:47  | -01:42 | 1.31 | 2024A-SAO-16    | 2x3 |                  |
| tc000145_gf1_1.2898                   | tc000145_gf1                   | RV31 | 600 | 12:07 | +16:30:44.7 | -00:50:47  | -01:32 | 1.29 | 2024A-SAO-16    | 2x3 |                  |
| domeflat.2899                         | tc000145_gf1                   | RV31 | 8   | 12:18 | +16:30:44.9 | -00:50:52  | -01:21 | 1.26 | 2024A-SAO-16    | 2x3 |                  |
| comp.2900                             | tc000145_gf1                   | RV31 | 150 | 12:18 | +16:30:44.9 | -00:50:52  | -01:21 | 1.26 | 2024A-SAO-16    | 2x3 |                  |
| Hsu_11_Gaia6286428530328091776_1.2901 | Hsu_11_Gaia6286428530328091776 | OB21 | 180 | 12:37 | +14:31:29.5 | -16:13:38  | +00:56 | 1.55 | 2024A-UAO-G201  | 1x1 | Clear; WFS=1.24" |
| Hsu_11_Gaia6286428530328091776_1.2902 | Hsu_11_Gaia6286428530328091776 | OB21 | 180 | 12:41 | +14:31:29.5 | -16:13:38  | +01:00 | 1.56 | 2024A-UAO-G201  | 1x1 |                  |
| Hsu_11_Gaia6286428530328091776_1.2903 | Hsu_11_Gaia6286428530328091776 | OB21 | 180 | 12:45 | +14:31:29.5 | -16:13:38  | +01:04 | 1.57 | 2024A-UAO-G201  | 1x1 |                  |
| Hsu_11_Gaia6286428530328091776_1.2904 | Hsu_11_Gaia6286428530328091776 | OB21 | 180 | 12:49 | +14:31:29.5 | -16:13:38  | +01:08 | 1.58 | 2024A-UAO-G201  | 1x1 |                  |
| Hsu_11_Gaia6286428530328091776_1.2905 | Hsu_11_Gaia6286428530328091776 | OB21 | 180 | 12:53 | +14:31:29.5 | -16:13:38  | +01:12 | 1.59 | 2024A-UAO-G201  | 1x1 |                  |
| domeflat.2906                         | Hsu_11_Gaia6286428530328091776 | OB21 | 20  | 12:57 | +14:31:29.4 | -16:13:43  | +01:16 | 1.60 | 2024A-UAO-G201  | 1x1 |                  |
| comp.2907                             | Hsu_11_Gaia6286428530328091776 | OB21 | 240 | 12:59 | +14:31:29.4 | -16:13:43  | +01:18 | 1.60 | 2024A-UAO-G201  | 1x1 |                  |
| dark.2908                             | parked                         | RV31 | 900 | 14:01 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |                  |
| dark.2909                             | parked                         | RV31 | 900 | 14:16 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |                  |
| dark.2910                             | parked                         | RV31 | 900 | 14:32 | -01:00:00.0 | -100:00:00 | -00:00 | 1.00 | calibratio<br>n | 2x3 |                  |



UT Date 02/24/2024 Observers KS

| <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.2911   | parked       | RV31        | 900        | 14:47     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibratio<br>n | 1x1        |                 |
| dark.2912   | parked       | RV31        | 900        | 15:03     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibratio<br>n | 1x1        |                 |
| dark.2913   | parked       | RV31        | 900        | 15:20     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibratio<br>n | 1x1        |                 |
| dark.2914   | parked       | RV31        | 900        | 15:36     | -01:00:00.0 | -100:00:00 | -00:00    | 1.00       | calibratio<br>n | 2x3        |                 |