

| Epoch   | YR   | DOY | Date and Time (approx.) | # images | Description   |
|---|------|-----|-------------------------|----------|---|
| Launch + 14 day Checkout                                | 2016 | 263 | 2016 09 19 21:08:00.000 | 150      | Health Check: Darks, Lamps, Star Images   |
| MapCam Long Exposure Platform Stability Test            | 2016 | 278 | 2016 10 04 15:14:00.000 | 6        | Platform Stability Test: Darks and Star Images  |
| DOY 40 Earth-Trojan Asteroid Search (ETAS) Day 1        | 2017 | 40  | 2017 02 09 05:20:00.000 | 163      | Earth Trojan Asteroid Search (ETAS) and Optical Navigation Test: Darks and Star Images        |
| DOY 41 ETAS Day 2                                       | 2017 | 41  | 2017 02 10 05:20:00.000 | 163      | ETAS and OpNav Test: Darks and Star Images  |
| DOY 42 ETAS Day 3                                       | 2017 | 42  | 2017 02 11 05:20:00.000 | 163      | ETAS and OpNav Test: Darks and Star Images  |
| DOY 43 ETAS Day 4                                       | 2017 | 43  | 2017 02 12 06:06:00.000 | 163      | ETAS and OpNav Test: Darks and Star Images  |
| DOY 44 ETAS Day 5                                       | 2017 | 44  | 2017 02 13 07:20:00.000 | 163      | ETAS and OpNav Test: Darks and Star Images  |
| DOY 45 ETAS Day 6                                       | 2017 | 45  | 2017 02 14 06:13:00.000 | 163      | ETAS and OpNav Test: Darks and Star Images  |
| DOY 48 ETAS Day 7                                       | 2017 | 48  | 2017 02 17 04:44:00.000 | 162      | ETAS and OpNav Test: Darks and Star Images  |
| DOY 49 ETAS Day 8                                       | 2017 | 49  | 2017 02 18 04:24:00.000 | 145      | ETAS: Darks and Star Images   |
| DOY 50 ETAS Day 9                                       | 2017 | 50  | 2017 02 19 04:44:00.000 | 145      | ETAS: Darks and Star Images   |
| DOY 51 ETAS Day 10                                      | 2017 | 51  | 2017 02 20 06:02:00.000 | 145      | ETAS: Darks and Star Images   |
| Launch+6mo Checkout and Calibration Day 1: Checkout     | 2017 | 73  | 2017 03 14 22:17:00.000 | 82       | Health Check: Darks, Lamps, Star Images   |
| Launch+6mo Checkout and Calibration Day 2: Calibration  | 2017 | 75  | 2017 03 16 16:03:00.807 | 204      | Calibration Lamp Positioning Test, Darks, Charge Transfer Efficiency Test: Darks, Lamps       |
| Launch + 6 mo. Extended Calibration Day 1a, b, c        | 2017 | 93  | 2017 04 03 01:01:03.494 | 210      | MapCam Responsivity and Distortion Calibrations, Cold: Darks and Star Images                  |
| Launch + 6 mo. Extended Calibration Day 2a, b, c, d, e  | 2017 | 94  | 2017 04 04 14:11:00.000 | 125      | PolyCam and SamCam Distortion Calibrations, Cold: Darks and Star Images                       |
| Launch + 6 mo. Extended Calibration Day 3a, b           | 2017 | 95  | 2017 04 05 01:07:20.728 | 66       | PolyCam and SamCam Responsivity, Cold: Darks and Star Images                                  |
| Launch + 6 mo. Extended Calibration Day 4a, b           | 2017 | 96  | 2017 04 06 01:05:10.273 | 130      | MapCam Responsivity and Distortion Calibrations, Hot: Darks and Star Images                   |
| Launch + 6 mo. Extended Calibration Day 5a, b, c, d     | 2017 | 97  | 2017 04 07 01:00:00.000 | 154      | PolyCam and SamCam Responsivity and Distortion Calibrations, Hot: Darks and Star Images       |
| Launch + 10 mo. Checkout and Calibration                | 2017 | 213 | 2017 08 01 00:00:00.000 | 452      | Health Check, Dark, Cal Lamp, Random Telegraph Signal, and CTE cal: Darks, Lamps, Star Images |
| Earth Gravity + 1 day Observations                      | 2017 | 266 | 2017 09 23 00:02:39.000 | 138      | Responsivity Calibrations: Darks, Earth Images  |
| Earth Gravity + 3 day Observations                      | 2017 | 268 | 2017 09 25 00:02:39.000 | 218      | Responsivity Calibrations: Darks, Moon Images   |
| Earth Gravity + 6 day Observations                      | 2017 | 271 | 2017 09 28 00:15:39.000 | 186      | Responsivity Calibrations: Darks, Earth Images  |
| Earth Gravity + 10 day Observations; Stray Light Part 1 | 2017 | 275 | 2017 10 02 00:00:00.000 | 100      | Responsivity and Stray Light (Plume Search) Calibrations: Darks, Earth and Moon, Star Images  |
| Stray Light Part 2                                      | 2018 | 17  | 2018 01 17 00:00:00.000 | 265      | Stray Light Calibrations (Orbital B and TAG): Darks and Star Images                           |
| Launch + 18 mo. Checkout and Calibration                | 2018 | 71  | 2018 03 12 00:00:00.000 | 452      | Health Check, Dark, Cal Lamp, Random Telegraph Signal, and CTE cal: Darks, Lamps, Star Images |
| Launch + 18 mo. Extended Calibration Day 1              | 2018 | 75  | 2018 03 16 00:00:00.000 | 582      | MapCam Aliasing, MapCam/PolyCam Solar Analog (Cold)   |
| Launch + 18 mo. Extended Calibration Day 2              | 2018 | 76  | 2018 03 17 00:00:00.000 | 300      | SamCam and PolyCam Distortion, PolyCam Linearity (Cold)                                       |
| Launch + 18 mo. Extended Calibration Day 3              | 2018 | 77  | 2018 03 18 00:00:00.000 | 368      | MapCam Distortion, Stray Light Calibration at Plume Orientation (Cold)                        |
| Launch + 18 mo. Extended Calibration Day 4              | 2018 | 82  | 2018 03 23 00:00:00.000 | 582      | MapCam Aliasing, MapCam/PolyCam/SamCam Solar Analog (Hot)                                     |
| Launch + 18 mo. Extended Calibration Day 5              | 2018 | 83  | 2018 03 24 00:00:00.000 | 73       | SamCam and PolyCam Distortion (Hot)   |
| LUT Upload and Check                                    | 2018 | 192 | 2018 07 11 10:00:00.000 | 74       | Look-Up Tables used for compression   |
| Launch + 22 mo. Checkout and Calibration Day 1          | 2018 | 197 | 2018 07 16 07:00:00.000 | 75       | Health Check, Dark, Cal Lamp and CTE cal: Darks, Lamps, Star Images                           |
| Launch + 22 mo. Checkout and Calibration Day 2          | 2018 | 198 | 2018 07 17 10:00:00.000 | 76       | Random Telegraph Signal cal: Darks  |
| MapCam Color Aliasing, ,Solar Analog Extended Cal       | 2018 | 200 | 2018 07 19 10:00:00.000 | 77       | MapCam Color Aliasing Cal; PolyCam, MapCam & SamCam Solar Analog Cal                          |