

Day of Year

Day 224 (08/12/19)

Status Summary:

All spacecraft subsystems and payloads are green. All science payloads are powered off. Orbital C high-cadence particle monitoring with NavCam has begun.

We received all expected data over the weekend. A slight delay occurred Saturday (10 August, DOY 222) when the SPOC database stalled out owing to insufficient space. Space was added to resolve the problem, and the data were processed within about 5 hours.

We have short passes today and tomorrow. To avoid data volume issues, a reduced number of particle monitoring images are being collected today. The partitions are expected to empty today, except possibly a few percent in the OCAMS partition. We will collect a full set of particle images tomorrow, so we do not anticipate emptying the partitions that day; we may not even get all of the OpNavs down.

Looking ahead: We will continue to perform high-cadence particle monitoring (every ~12.5 minutes) from orbit throughout the week.

Day 226 (08/14/19)

Status Summary:

All spacecraft subsystems and payloads are green. All science payloads are powered off. OD174 is onboard.

The remaining images from Tuesday and images from today are currently in downlink. We expect to nearly empty the partitions, but not quite. Tomorrow, the OCAMS partition is predicted to be close to 50% full at the end of the pass.

ISA 11024 has been opened regarding the SPOC database not being able to store OpNav images over the weekend due to insufficient space.

Looking ahead: We will continue to perform high-cadence particle monitoring (every ~12.5 minutes) from orbit throughout the week.

Day 228 (08/16/19)

Status Summary:

All spacecraft subsystems and payloads are green. All science payloads are powered off. We have received all data expected through today, with a few exceptions noted below. The partitions are empty.

One image that was expected on Thursday (15 August, DOY 227) is missing. In addition, one image each from the past three days of downlink (Tuesday through Thursday) is missing a line or two. The missing lines are thought to be stuck in processing but may necessitate a replay.

Four or five of the active ISAs are expected to close soon.

Looking ahead: We will continue the same daily cadence of 9 OpNavs and 156 particle monitoring images through the weekend and into next week.