

Forgotten Equipment: Telescope Tripod brace

Alignment issue:

First Alignment Attempt: True North + 2 star alignment. Autostar warning that alignment failed.

Second Alignment Attempt: True North + 2 Star alignment. Alignment complete, but inaccurate with >10 degree pointing error.

Third Attempt: True North + 2 star alignment. DST status corrected from ON to OFF. Alignment success. Go To feature tested for Saturn and Antares, with both correctly being located automatically.

Tracking: Telescope pointed in the general direction of the payload from launch to landing. When the MATLAB interface signaled that Latitude and Longitude from the payload were "NaN", the telescope would begin rapidly slewing azimuthally without stopping. Manually stopping the telescope with the slew button would immediately halt the telescope, and it would promptly return to tracking once payload coordinates had been reacquired.

Imaging: At no time was the payload visible in the eye piece or the CCD. However, by the time the payload was sufficiently far away for the telescope slew rate to be comparable to the payload's apparent motion, the payload had dimmed to magnitude 2~3. No stars of this magnitude were visible in the CCD, suggesting the payload was too dim to register on the CCD even after the telescope had assumed proper tracking.