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NASA SLR Network scheduling and considerations for improvement

Presenting an overview of the NASA SLR network scheduling process, station capabilities, crew resources, and inherent scheduling trade-offs. Investigates the current NASA network’s data yield potential based on ILRS priority, the constraints of manual operation, legacy technology, and ILRS rules/software NP recipe. Reviews current statistics of tracking efficiency and performance. Presents considerations for improved scientific benefit from the NASA network and the ILRS.