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SGSLR Site Preparation and Deployment Plans for the First Set of SGSLR Systems

Preparations for site development and eventual deployment of NASA's first SGSLR systems are underway. Many of these sites will be core sites consisting of SLR, VLBI, GNSS and VTS systems. We have carefully considered the site infrastructure design to accommodate not only the SGSLR system design but also any interaction with other space geodesy techniques that will be co-located at each site. We will present a review of the Site Selection requirements and summary that led to the current locations. We will also present the site designs, implementation plans and current status for each location. The sites being actively planned and worked are the Goddard Geophysical and Astronomical Observatory (GGAO) in Greenbelt, Maryland, the McDonald Observatory in Texas, the Norwegian Mapping Authority site in Ny-Ålesund, Norway, and the Haleakala Observatory site in Hawaii.