NEAR TERM LUNAR MISSIONS

LUNAR ORBIT
LRO
Chandrayaan-2 Luna 26 KPLO

EM-1 (uncrewed)

EM-2 (first crew)

LUNAR SURFACE
Chang’e-5 Chang’e-4 Luna25 SLIM Luna27 Resource Prospector ISRU Demo Chang’e-P

Deep Space Gateway
Buildup over series of lights
• Purpose: Define priority targets for landed missions on the Moon, primarily, but not exclusively, for commercial exploration firms interested in pursuing ventures on the Moon.

• Pursuant to the Planetary Decadal science goals AND strategic knowledge gaps.

• Report the community consensus of priority landed targets, with the potential of future solicitations for payloads at such target sites.

• Questions:
  • The science/exploration question(s) to be addressed at the site;
  • Any relevant information about landing site characterization;
  • Whether or not mobility is needed (as opposed to desired);
  • Whether or not sample return is essential to answering the question(s) or can insitu data suffice.
Potential Lunar Landing Sites

• High value for Landed Missions
• Benefit to Science-Human Exploration (e.g., ISRU)
• Merits of a proposed site in terms of its benefit(s), involving one or more of the following:
  a) Short Term Reconnaissance and/or Surface Science Experiments (< One Lunar Day)
  b) Sample Return
  c) Long Term Monitoring (Days, Years)
  d) Regional Roving Experiments
  e) Technological Demonstrations that Feed Forward
  f) Technological Demonstrations for ISRU
  g) Other
Open Science Positions In SMD

• AST, Science Program Management at NASA HQ
  • Salary Range: $112,021 - $161,900 (GS14 - GS15)
• Senior NASA scientists responsible for overseeing execution of major missions and R&A activities in Planetary Science
• Applications accepted only through USAJOBS.gov
  • Open UNTIL 1/31/18
  • Announcement #: HQ18D0004 or HQ18C0015 (CS)
  • Interested scientists should familiarize themselves with USAJobs.gov and begin to develop their resume and application within the USAJobs.gov system
• To apply see: USAJobs.gov when the job opens