

Tuesday, March 19, 2013

[T640]

POSTER SESSION: MARS LANDING SITES: CURRENT AND FUTURE
6:00 p.m. Town Center Exhibit Area

Stooke P. J.

POSTER LOCATION #561[MER Early Traverse Mapping: MOC vs HiRISE Localization](#) [#1396]

Spirit and Opportunity were located using MOC images before HiRISE became available. The accuracy of MOC localization is tested, errors up to 50 m are found.

Golombek M. Redmond L. Gengl H. Schwartz C. Warner N. et al.

POSTER LOCATION #562[Selection of the InSight Landing Site: Constraints, Plans, and Progress](#) [#1691]

Sixteen prospective ellipses in western Elysium Planitia have been identified for landing InSight in 2016 that appear to meet the engineering constraints.

Golombek M. Warner N. Schwartz C. Green J.

POSTER LOCATION #563[Surface Characteristics of Prospective InSight Landing Sites in Elysium Planitia](#) [#1696]

InSight landing sites in Elysium Planitia are similar to the Gusev cratered plains with a regolith >5 m thick for penetration of the heat flow probe.

Erkeling G. Reiss D. Hiesinger H. Poulet F. Carter J. et al.

POSTER LOCATION #564[Two New Candidate Landing Sites for the European 2018 ExoMars Mission Near Libya Montes Alluvial Fans, Layered Delta Deposits and Possible Coastal Cliffs](#) [#2378]

We propose two new candidate landing sites in the Libya Montes for potential future missions to Mars, including the European ExoMars mission in 2018.