Thursday, March 19, 2015
POSTER SESSION II: EARLY RESULTS FROM THE MAVEN MISSION:
INTERACTIONS WITH SOLAR WIND AND COMET SIDING SPRING
6:00 p.m. Town Center Exhibit Area

Yelle R. V. Benna M. Mahaffy P. R. Elrod M. Epsley J. et al. POSTER LOCATION #361
MAVEN Observations of the Effect of Comet Siding Spring on the Mars Atmosphere [#2534]
Comet Siding Spring passed within 140,000 km of Mars on October 19, 2014, perturbing the atmosphere. The suite of in situ MAVEN measurements will be described.

Espley J. R. Connerney J. E. P. DiBraccio G. A. POSTER LOCATION #362
A Comet Swallows Mars: MAVEN’s Magnetometer’s Observations During Comet Siding Spring’s Closest Approach of Mars [#2498]
Comet Siding Spring’s coma enveloped Mars, temporarily distorting its magnetosphere — possibly like a solar storm would but with water ions instead of protons.

Andersson L. Weber T. Malaspina D. Crary F. Ergun R. E. et al. POSTER LOCATION #363
Dust Measurements from the Langmuir Probe and Waves Instrument on the MAVEN Mission [#2356]
Dust observed by the MAVEN mission and how Comet Siding Spring impacted the dust environment at Mars.

Weber T. Andersson L. Malaspina D. Crary F. Ergun R. E. et al. POSTER LOCATION #364
Dust Observations Using Common Mode Measurements from the Langmuir Probe and Waves Instrument on the MAVEN Mission [#2431]
Using the MAVEN Langmuir Probe and Waves instrument, we study the distribution and dynamics of dust flux around Mars.

Poppe A. R. Curry S. M. Fatemi S. McFadden J. P. Delory G. T. POSTER LOCATION #365
Modeling the Phobos and Deimos Neutral Gas Tori: Implications for Detection by MAVEN [#1399]
We present a model of the neutral and ionized components of the Phobos and Deimos neutral gas tori. We discuss the possibility of detection by MAVEN.

Rahmati A. Cravens T. E. Larson D. E. Lillis R. J. Connerney J. E. et al. POSTER LOCATION #366
Oxygen Pickup Ions at Mars: Model Comparisons with MAVEN Data and Implications for Oxygen Escape [#2063]
The implications of the oxygen pickup ion model comparisons with MAVEN SEP data for the escape of neutral oxygen from Mars will be discussed.

Lillis R. J. Larson D. E. Luhmann J. G. Jakosky B. M. POSTER LOCATION #367
Absorption of Solar Energetic Particles by Mars: First Results from MAVEN [#2806]
The patterns of absorption by Mars’ atmosphere of solar energetic particles contain important information about the angular distribution of such particles.

Harada Y. Halekas J. S. Mitchell D. L. McFadden J. P. Connerney J. E. P. et al. POSTER LOCATION #368
MAVEN Observations of Marsward Ion Flux in the Near Mars Magnetotail [#1586]
We present MAVEN observations of Marsward-traveling ions in the near-Mars magnetotail and discuss dynamics of the martian magnetotail.
Ruhunusiri S. Halekas J. S. Connerney J. E. P. Espley J. Larson D. et al. **POSTER LOCATION #369**

*MAVEN Characterization of Low-Frequency Plasma Waves in the Martian Magnetosphere* [#2184]

We report results from an investigation that was carried out to characterize low-frequency waves in the martian magnetosphere based on MAVEN observations.

Ruhunusiri S. Halekas J. S. Connerney J. E. P. Espley J. Larson D. et al. **POSTER LOCATION #370**

*MAVEN Observations of Magnetosonic Like Waves Upstream of Mars* [#2594]

We report MAVEN observation of a magnetosonic type wave upstream of Mars. The observation was aided by the SWIA and MAG instruments onboard MAVEN.