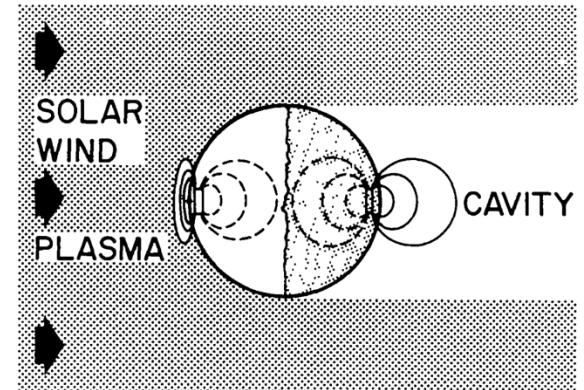
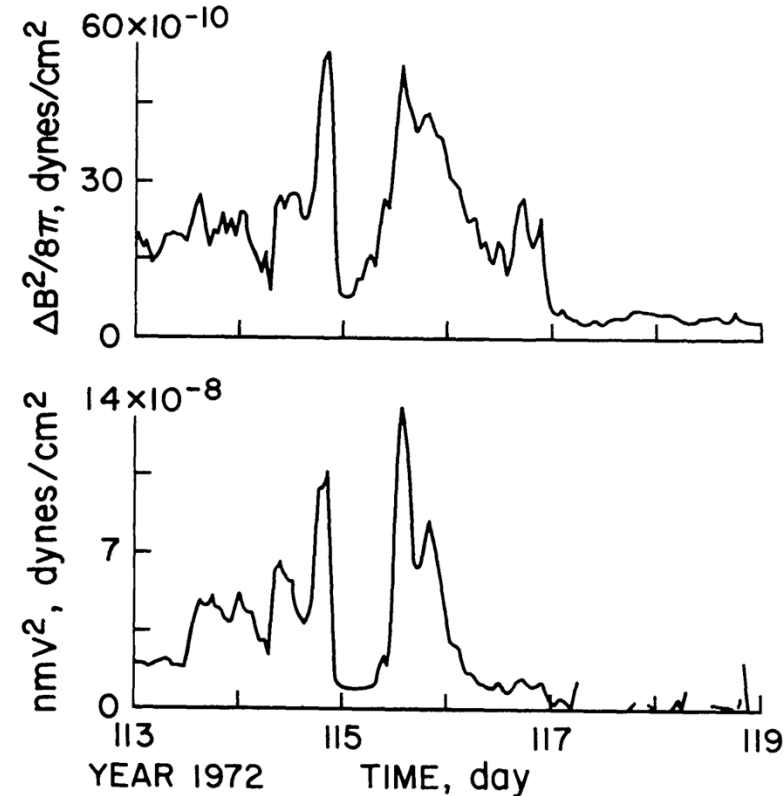
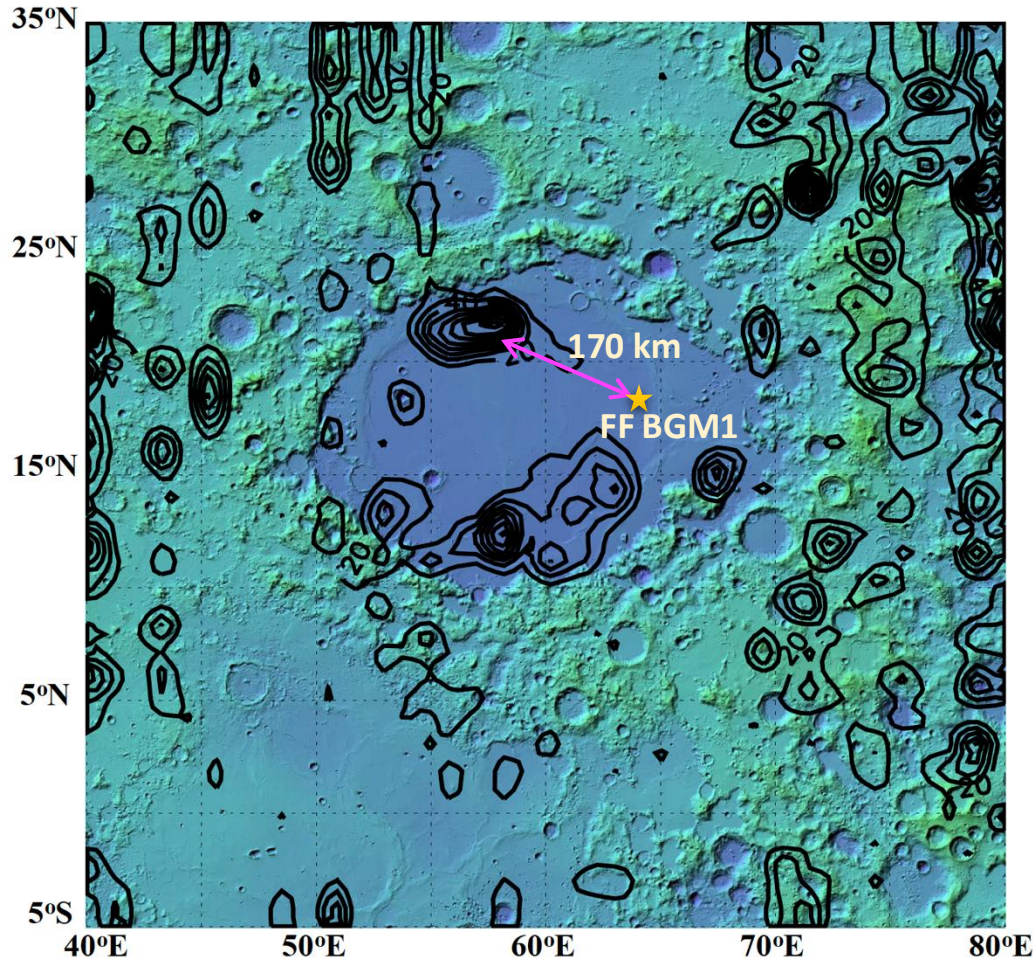


Plasma interactions with Mare Crisium Crustal Magnetic Fields during the Firefly Blue Ghost Mission 1 (BGM1)

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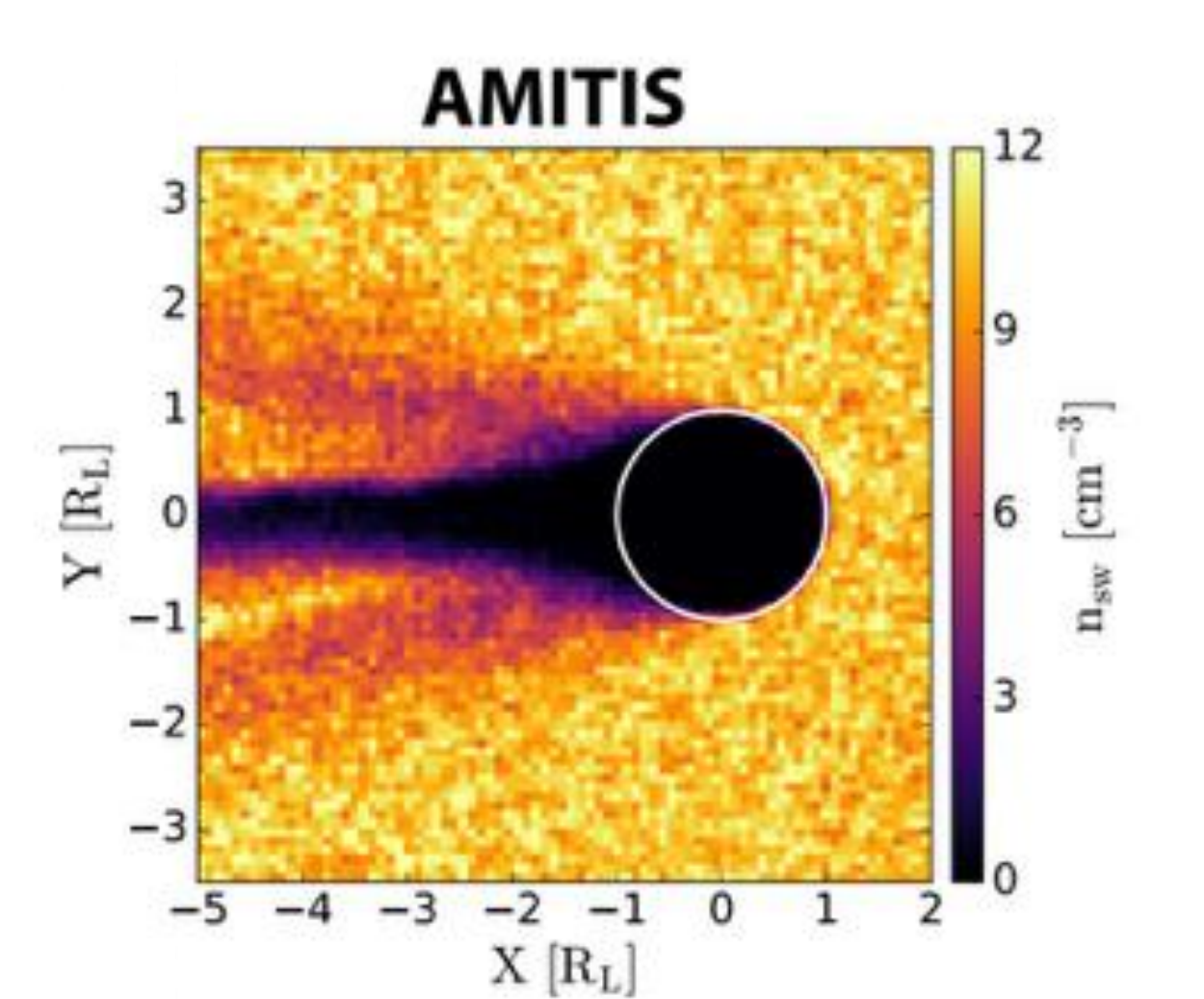
Data from March 1999; 0 km altitude; Starting at 20 nT



Dyal et al 1973

ARTEMIS plays an important role providing the upstream plasma environment for lunar surface measurements including CLPS, Artemis science + crew observations.

Location	Surface Magnetic Field Magnitude (nT)	Orbital Magnetic Field Magnitude (nT)	Extent (km)
Northern Crisium	>90* *Downward continued	9 @ 25 km	Hood et al 2021
BGM1	65	<0.5 @ 25 km	Maxwell et al 2025, AGU
A12	38		$2 < L < 200$
A14	103, 43		Dyal et al 1973
A15	3.4		Dyal et al 1973
A16, Descartes	327	1 @ 100 km	$5 < L < 100$ Dyal et al 1973



Results from the AMITIS Hybrid simulation for a nominal moon-solar wind plasma interaction. Plotted is solar wind plasma density. Moon is shown by the white circle (Fatemi et al., 2017).