

SIOG239-20 Worksheet

Date of class: 10/20

Group number and members:

Title of paper: Crustal and time-varying magnetic fields at the InSight landing site of Mars

Before getting started on this paper - What did you know about the InSight mission?
What did you know about Mars' magnetic field?

Abstract (1 – 4 bullet points or sentences) what is the main purpose of the paper? Main outcome?

Intro:

When did the InSight mission start (land), what kind of sensors were deployed?

What did we know about the magnetic field from orbiter-based systems?

Crustal magn. field at the landing site:

What are some basic constraints/reference observations? Numbers? Methods?

SIOG239-20 Worksheet

Implications for magnetization:

How does the IFG local field compare to crustal field models from previous missions?

What are the major findings?

Time-varying field:

What are the major observations?

If they provide them what are their possible explanations?

If they discuss this, what are some of the challenges to deal with this dataset?

Future directions:

What are their main talking points.

Any further comments?