### ANTARCTIC METEORITES

Collected during Antarctic Search for Meteorites (ANSMET)
Expeditions and curated at the Johnson Space Center in Houston, Texas





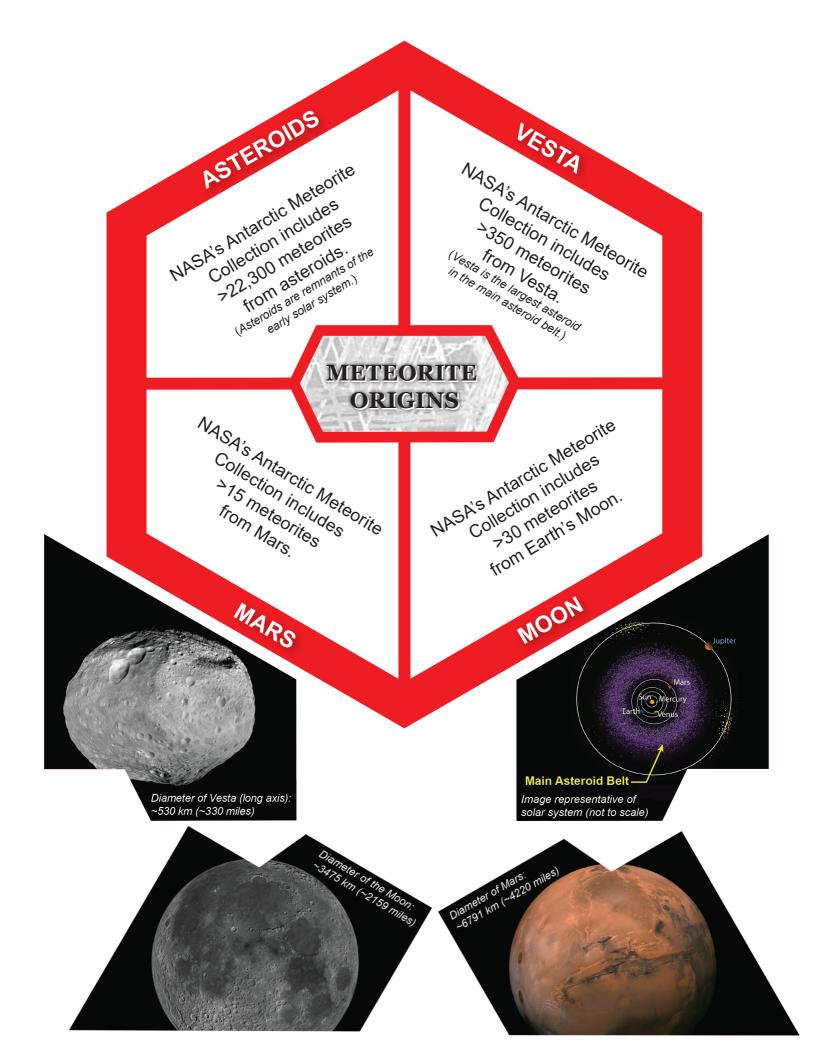


Meteorites are rocks from space that hold clues about our solar system's origins and evolution.





Developed by Astromaterials Research and Exploration Science (ARES), Jacobs/JETS at the NASA Johnson Space







## STORAGE

Samples are bags containing in the NASA Stored in freezers weighed processed.

The Med in freezers or further analysis,

#### CURATING ANTARCTIC METEORITES

in a specialized processed before sending to lab

Decoding sample name:

Decoding sample name:

3 letters = site found

3 letters = year found

1st 2 #'s = year found

(followed by assigned lab #)

(followed by assigned lab #)

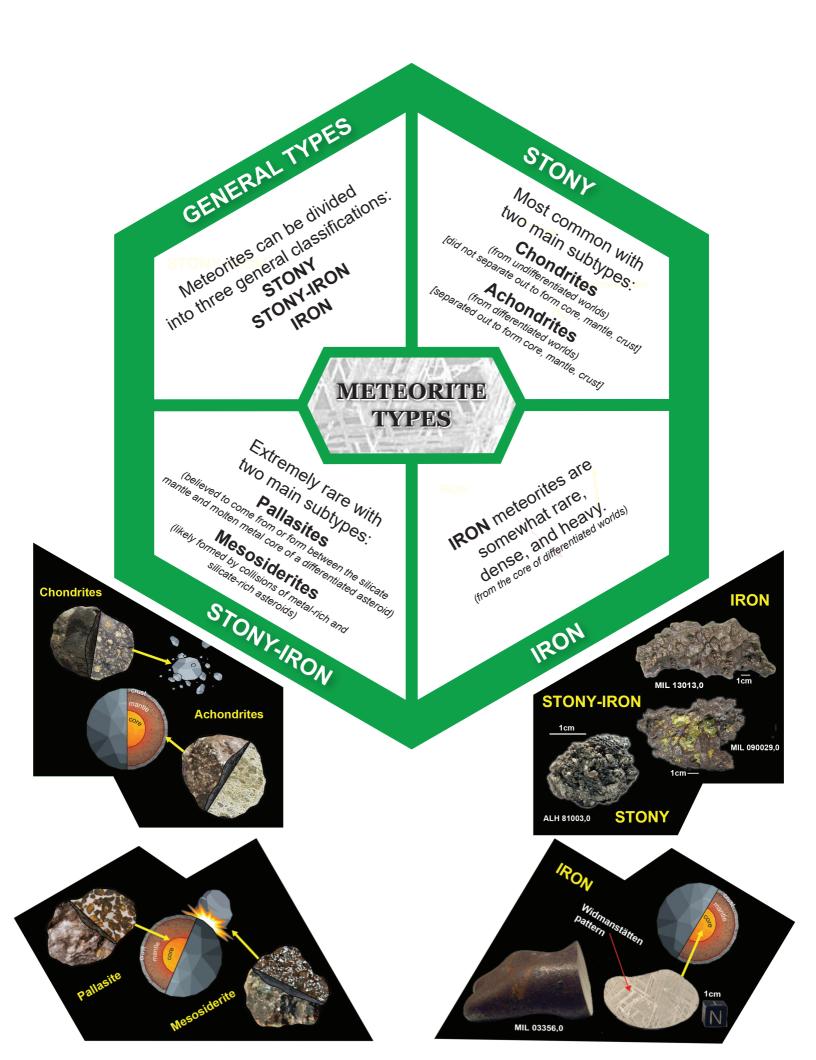
• 1st 2 parent (0) or split #











### CHONDRULES Round inclusions found Chondrules are oldest materials in our some of the oldest watern)

# FUSION CRUST

Dark crust found on the exterior of many meteorites. (Coating that forms from heat as they (Coating that forms from heat as they

### METEORITE **FEATURES**

Green colored crystals found typically in (The manthe of many tooky solar System worlds is olivine-rich,)

GRO 95530.0



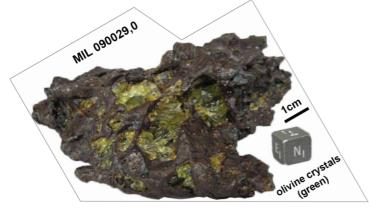
fusion crust (black)

indentations found mostly These depressions can form as some space through Farth's atmosphere I these depressions can form as some space through Earth's atmosphere.)

REGMAGLYPTS

1cm







MARTIAN METEORITE

HOW do We know?

Know?

Know?

How do We know?

Know?

Know?

Know?

Know?

Know?

Know?

How do We know?

Know!

How do We know?

Know!

How do We know?

Ho

LUNAR METEORITE
How.

How do we know?

Matches samples closely the Moon.

Moon do we know?

Composition know?

Apollo Nissions to

### SLEUTHING (INVESTIGATING) ORIGINS

Dawn Mission we know?

confirm mesearch that help

Continue Exploring!

Continue Exploring!

Continue Explore about

Continue Explore about

Neteorites hold clues about

Neteorites hold clues and

Neteorites hold clues and

Neteorites in 3D!

Our solar system's origins and

Antarctic meteorites in 3D!

Antarctic meteorites in 3D.

Antarctic meteorites in 3D.

Antarctic meteorites in 3D.



