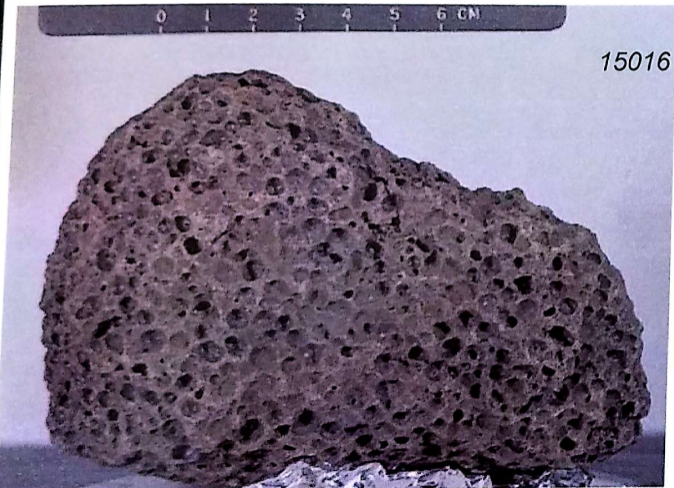


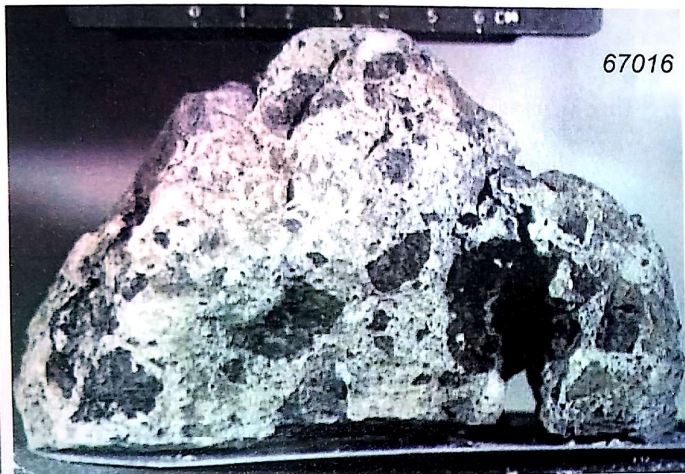
BASALTS (MARE BASALTS): *Igneous (volcanic) rock*



CHARACTERISTICS:

- Dark gray to black in color
- Fine grained (you cannot easily see the individual minerals that make up the rock)
- Usually includes holes (vesicles)
- Rough texture
- Hard surface

IMPACT BRECCIAS: *Composite rock formed by impact events*



CHARACTERISTICS:

- Mixture of both fine and coarse grained rock and mineral fragments
- Appear to have features that look similar to basalts and/or pristine highland rocks
- Appear to have fragments (clasts) that have been “cemented together” to form the rock

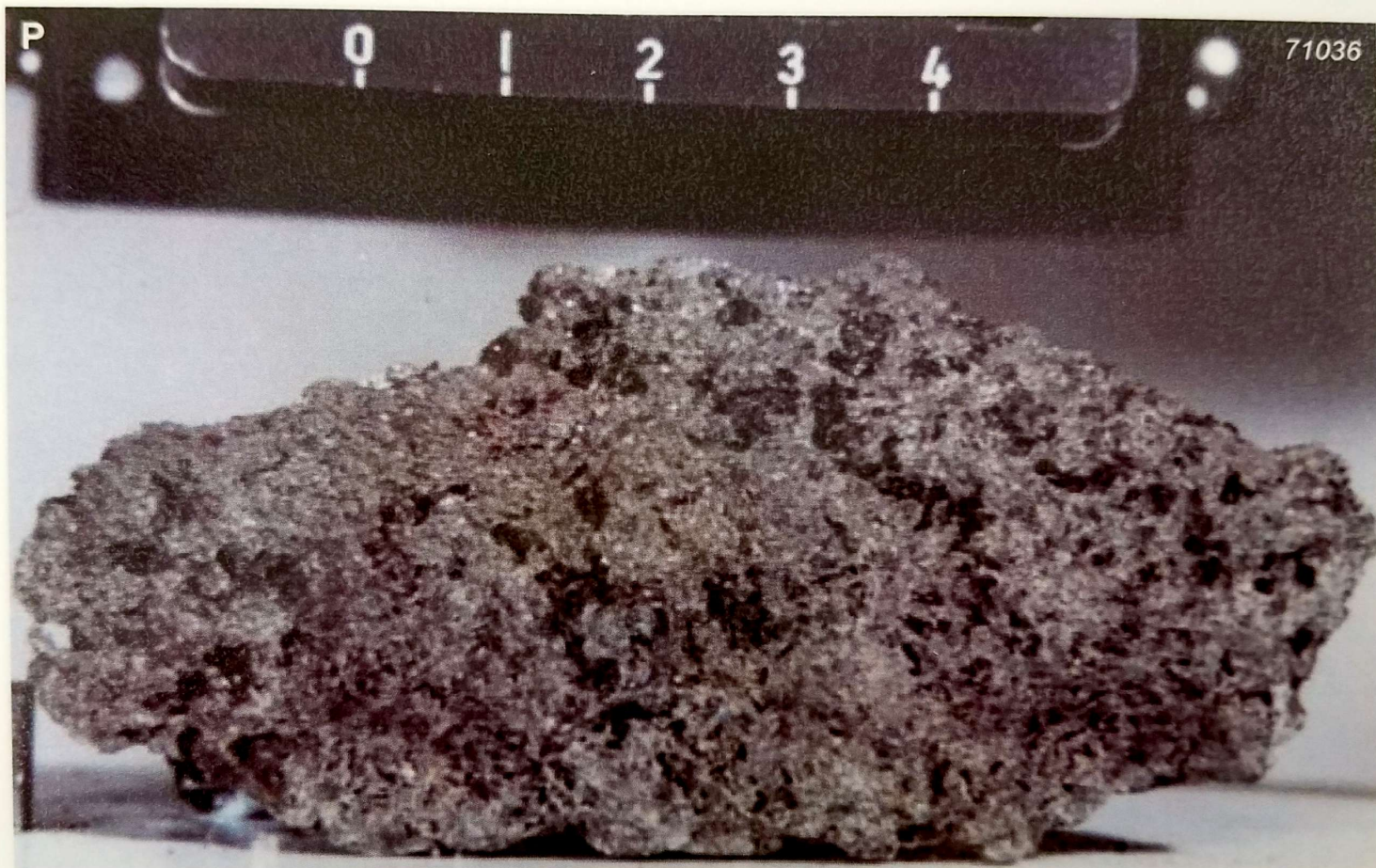
ANORTHOSITES: *Igneous (volcanic) rock*

Represent original lunar crust that formed ~4.5 – 4.3 billion years ago

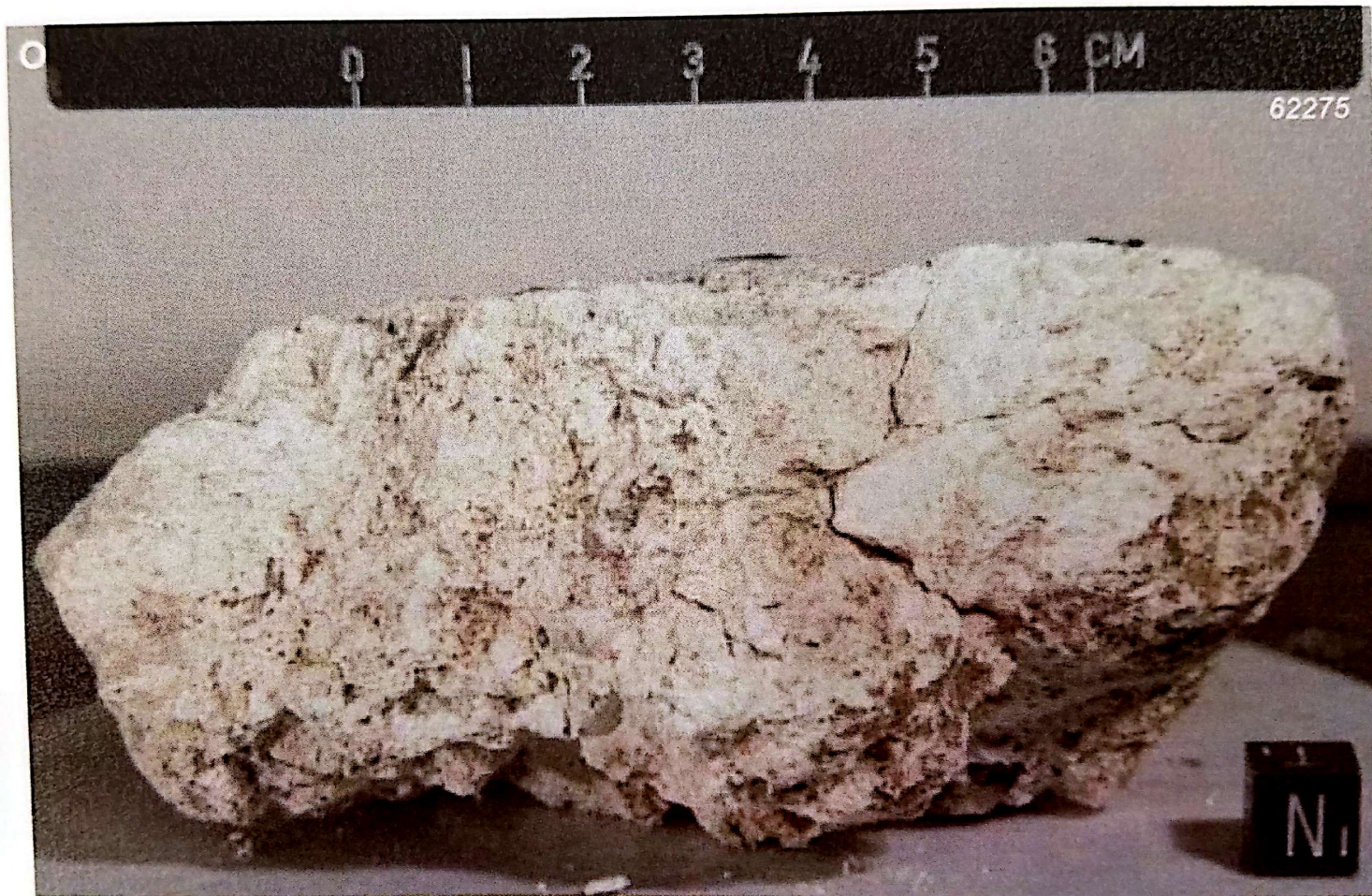


CHARACTERISTICS:

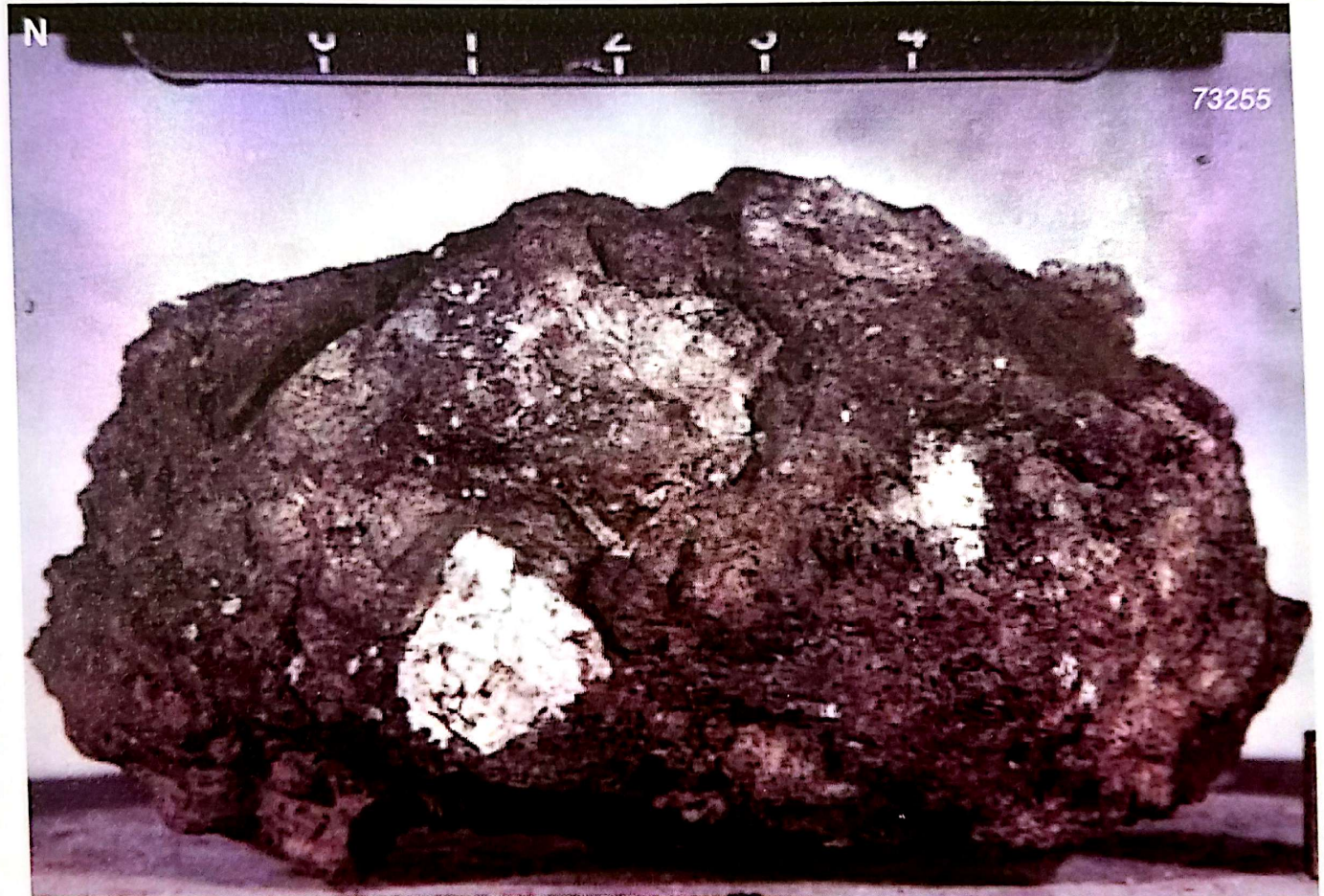
- Brighter/lighter in color than mare basalts
- Very friable (easily breakable)
- Generally coarse grained (can see individual minerals)



Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



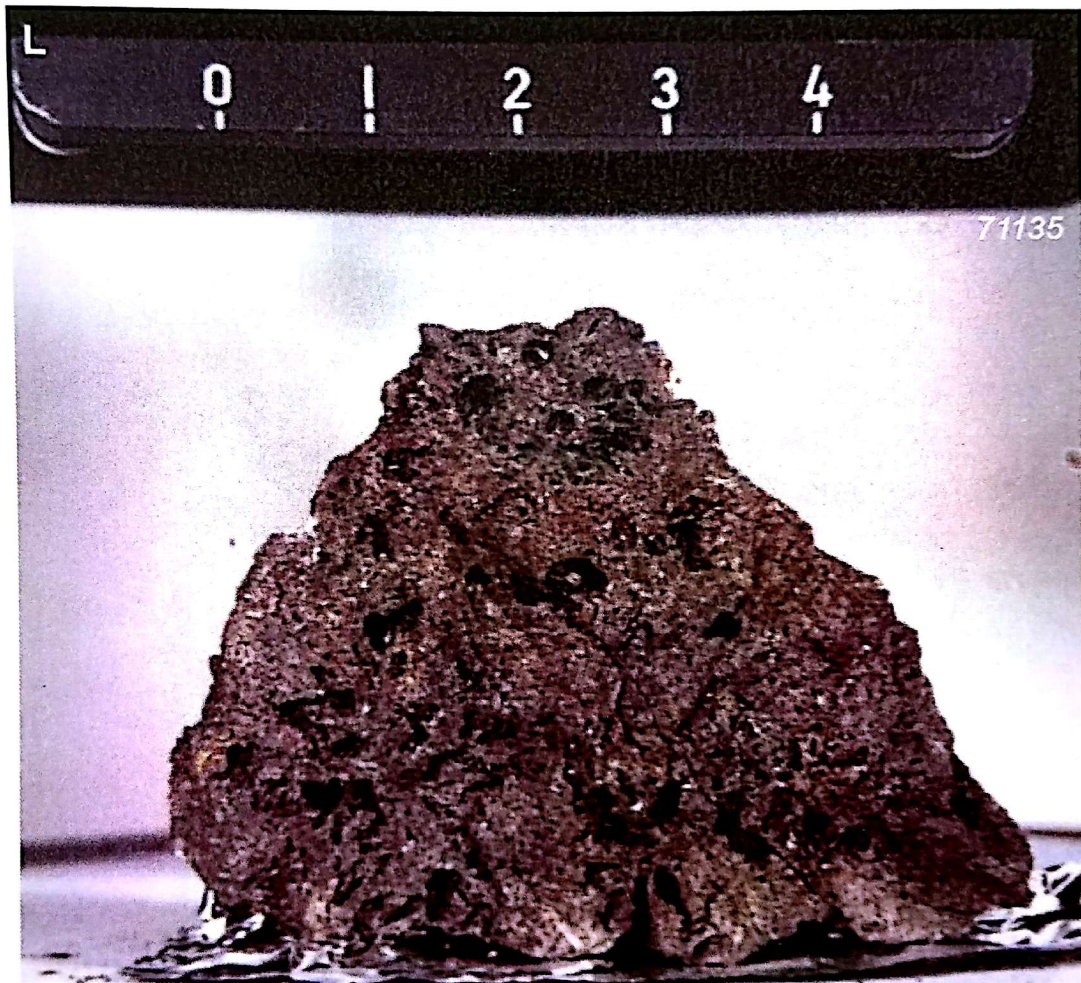
Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



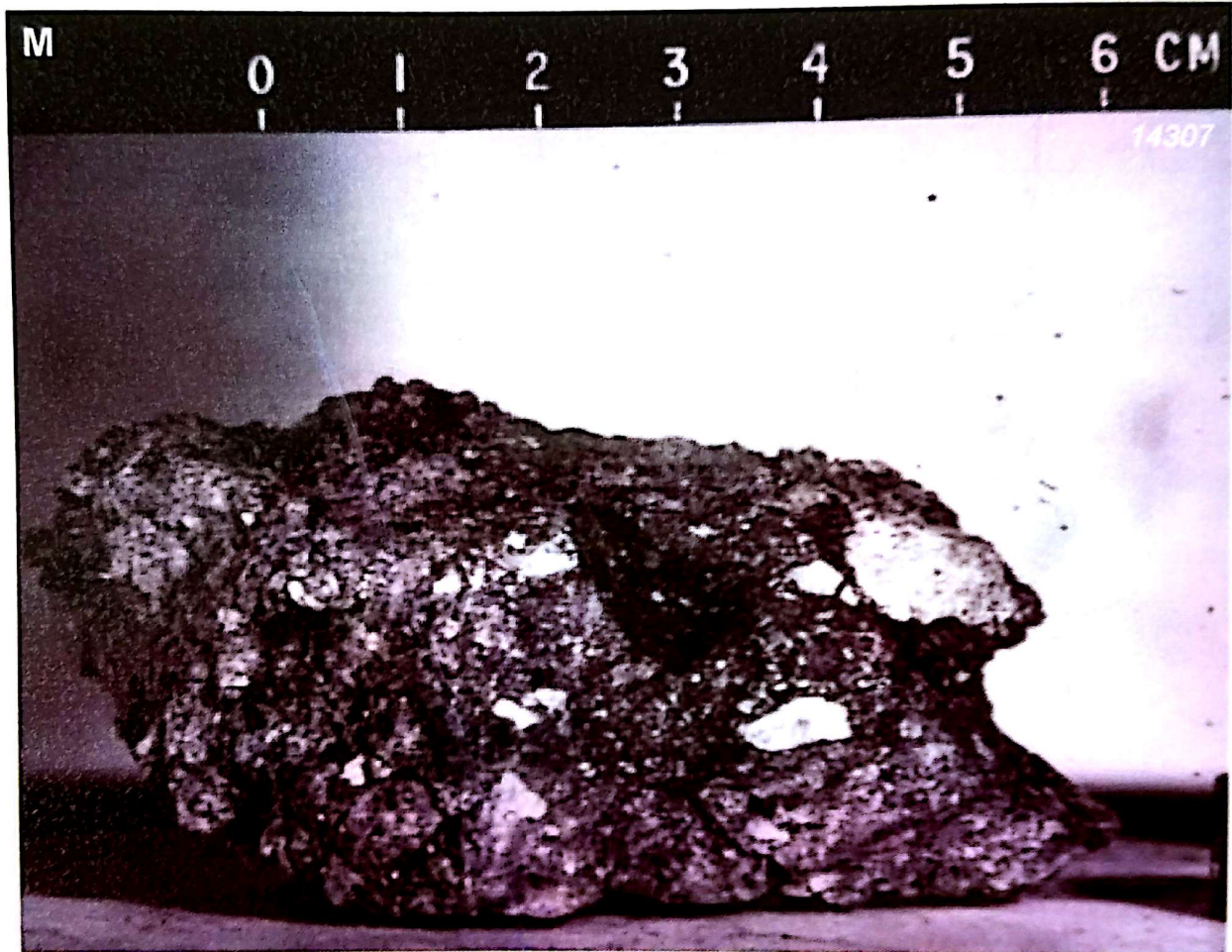
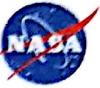
Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



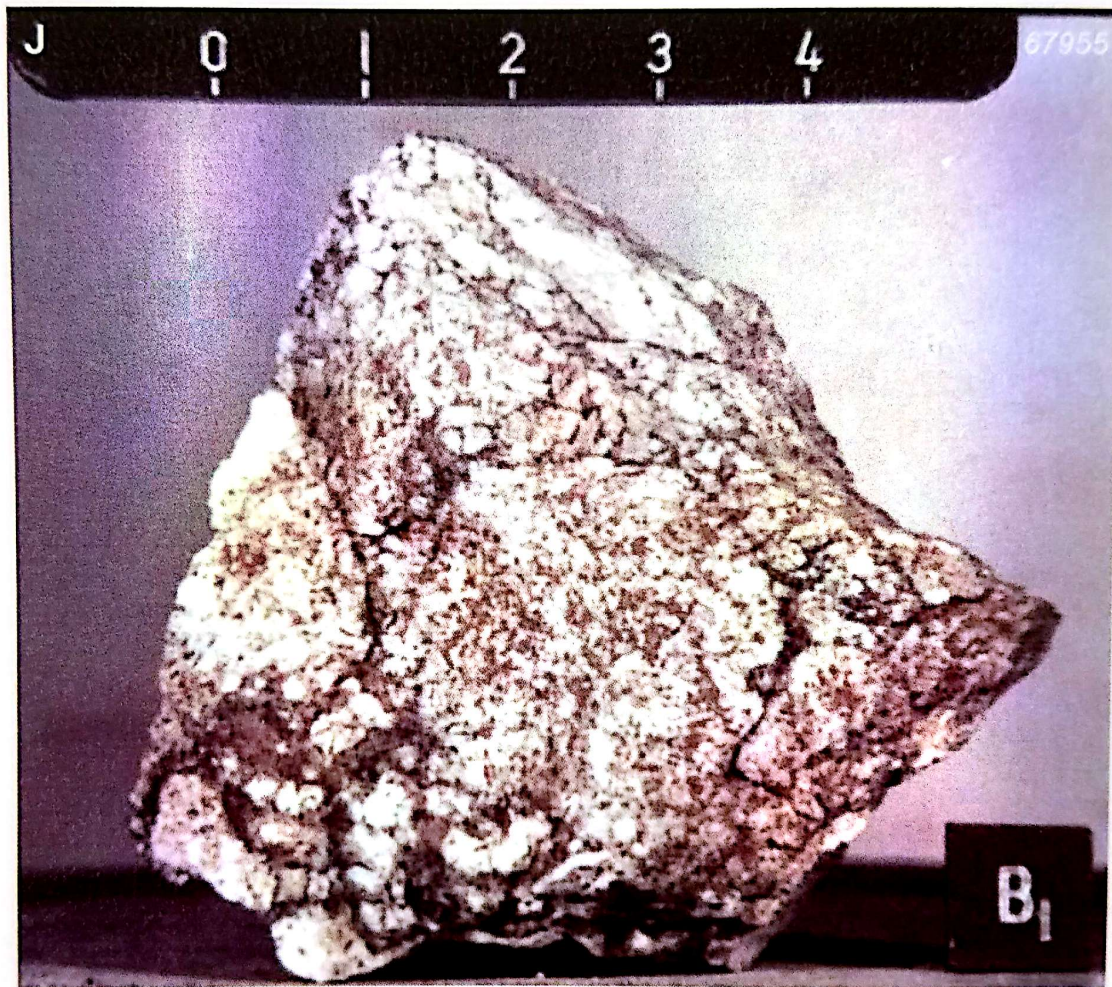
Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



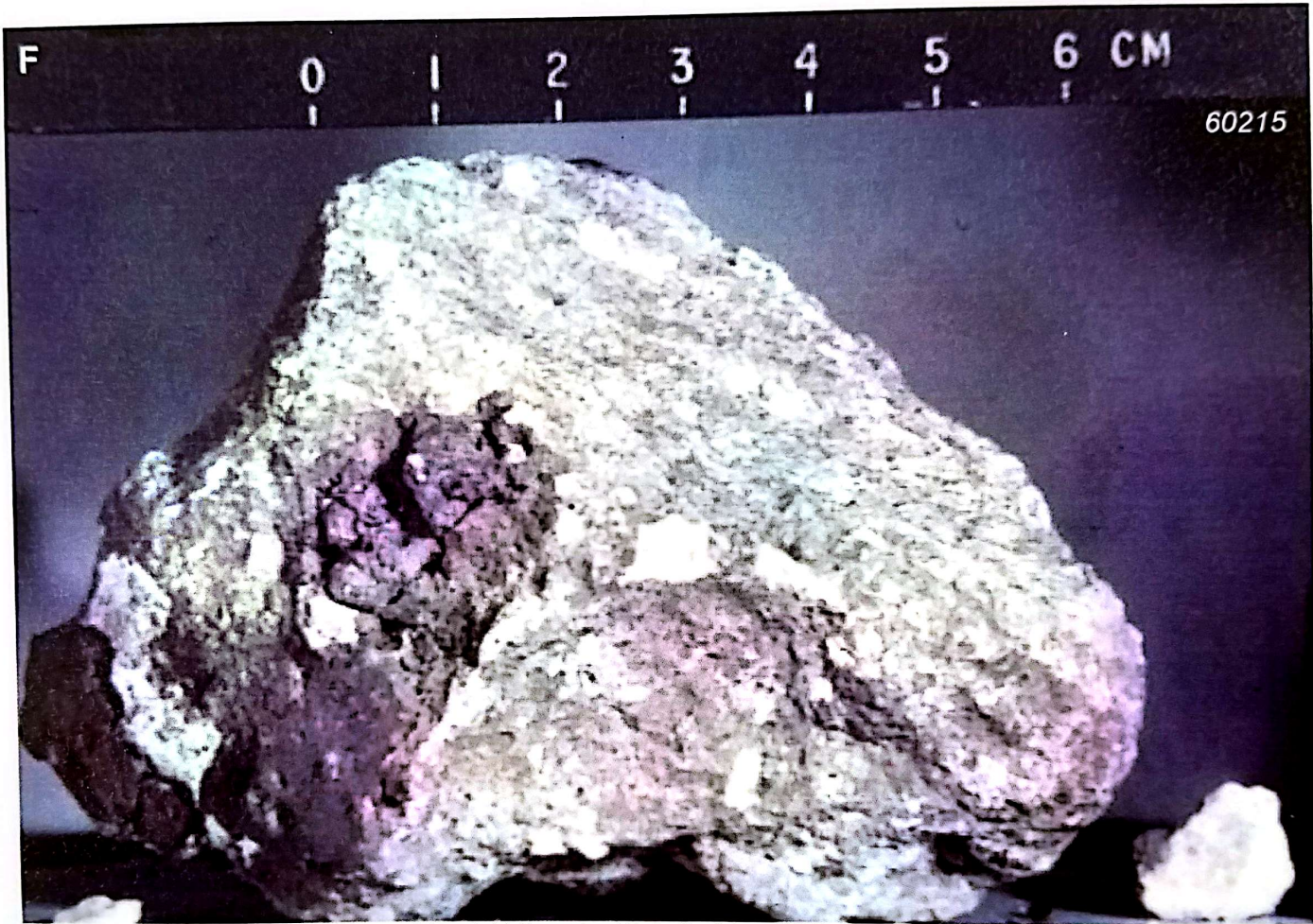
Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



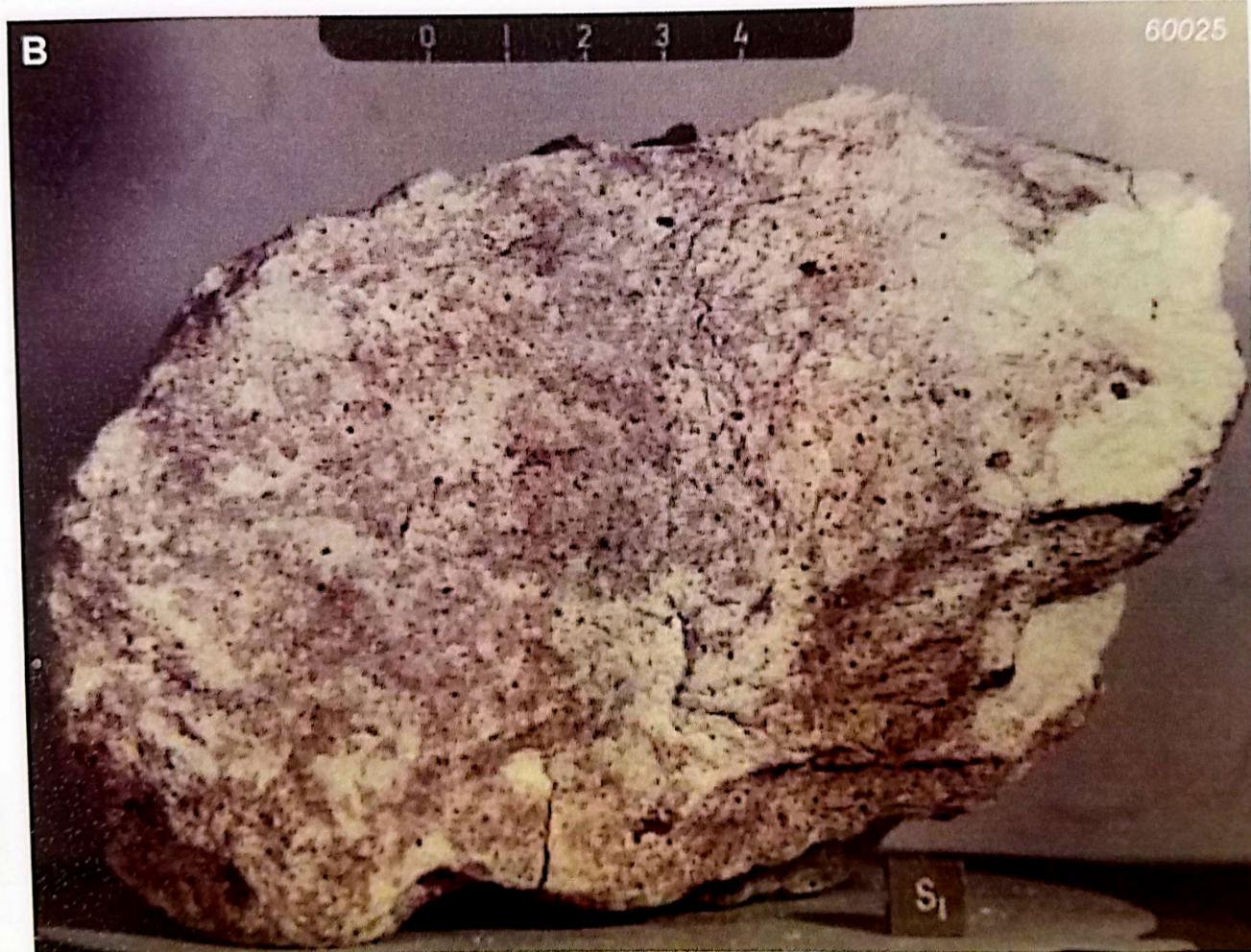
Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



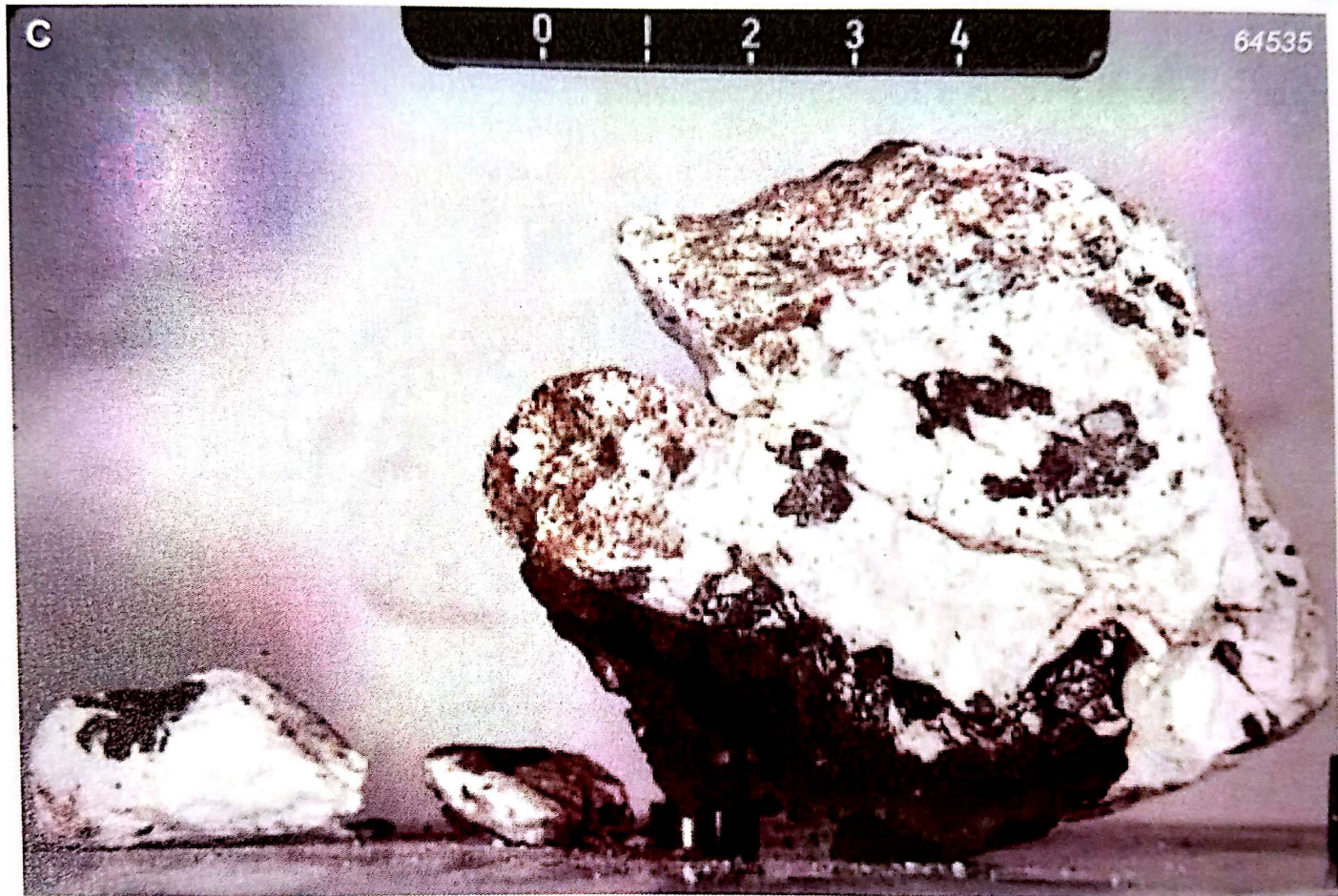
Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



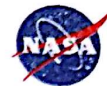
Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



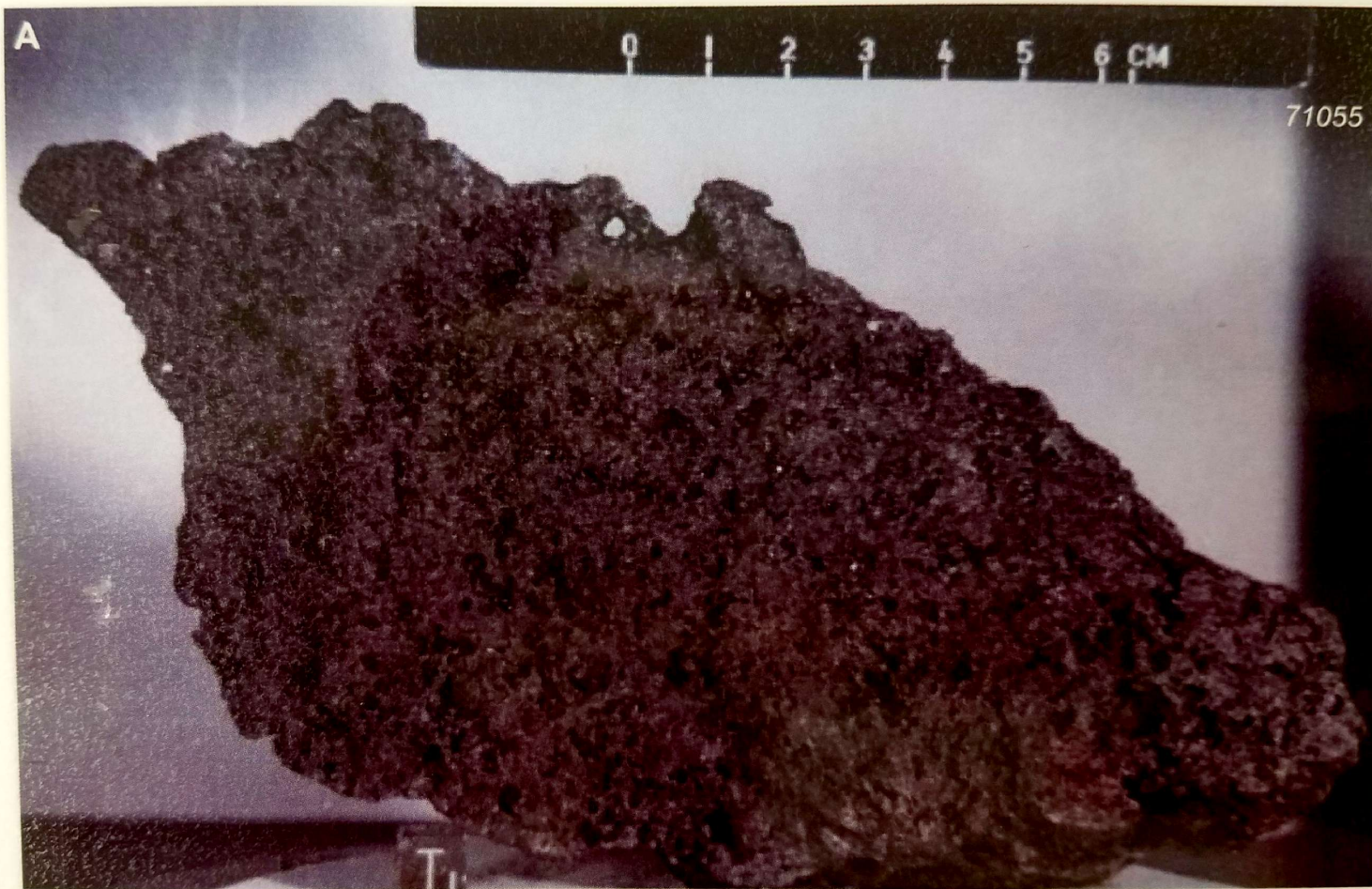
Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center



Astromaterials Research and Exploration Science (ARES) Education
NASA Johnson Space Center