

Apollo 19 and 20 Landing Sites

Go to Google Moon: <http://www.google.com/moon/>

Turn on the “Charts” button in the upper right corner. Navigate to the correct charts using the window in the lower right.

Or you can download the maps directly from the Astro 190 website. You can zoom in more on the Google maps.

The last three Apollo missions (18, 19, and 20) were canceled on September 2, 1970. Preliminary work on the possible landing sites was just starting. In one scenario, Apollo 18 was targeted for the Copernicus crater (we have talked a lot about Copernicus), while Apollo 19 and 20 were targeted for sites that have some similarity to the Apollo 15 site - lots of diverse geology. The table below lists the possible landing sites for Apollo 19 and 20.

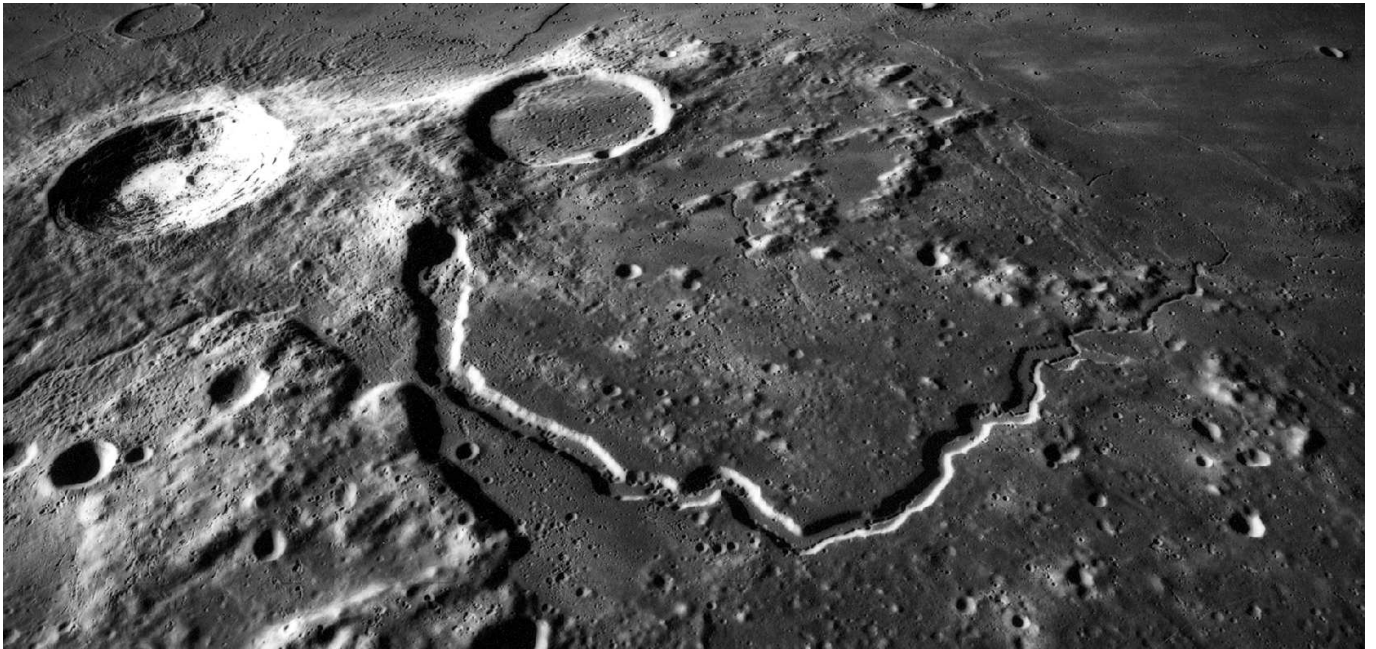
Mission	Landing Site	Coordinates
Apollo 19	Schroter's Valley	47.5° W 25.5° N
Apollo 20	Hyginus rille	6.5° E 7.5° N

Look at the geological maps of the landing sites of Apollo 19 and 20. (Map names: Mare Vaporium and Aristarchus). Use the coordinates in the table above to find the exact landing location. The keys for the maps are on the right of the maps. Based on these maps, describe in your own words the landing sites for the missions. Your description should include:

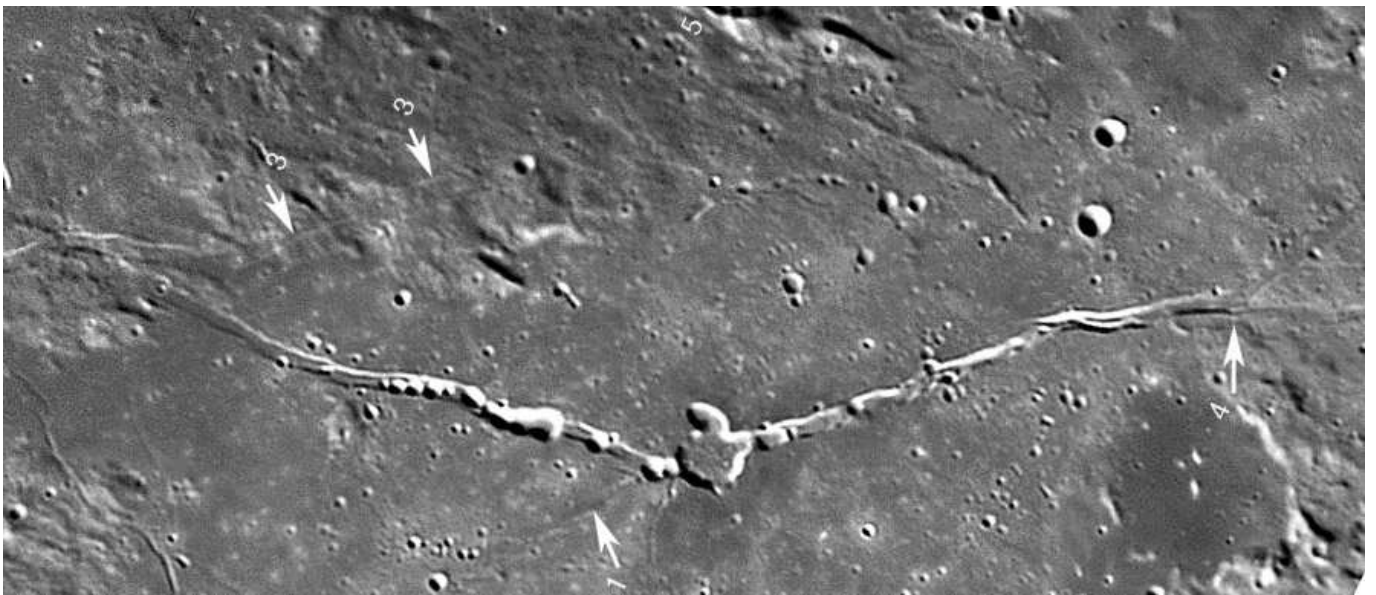
1. What are the various landforms at the landing sites?
2. How were the various landforms formed.
3. What types of rocks you would expect to find at the landing sites.
4. How are they different from the landing site of Apollo 15.

Each description should be about 200 words long.

Due: Mon May 17 in class (–2% for every hour late)



Apollo 19 - Schroter's Valley



Apollo 20 - Hyginus rille