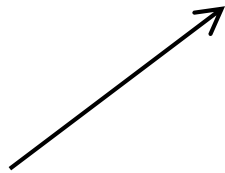
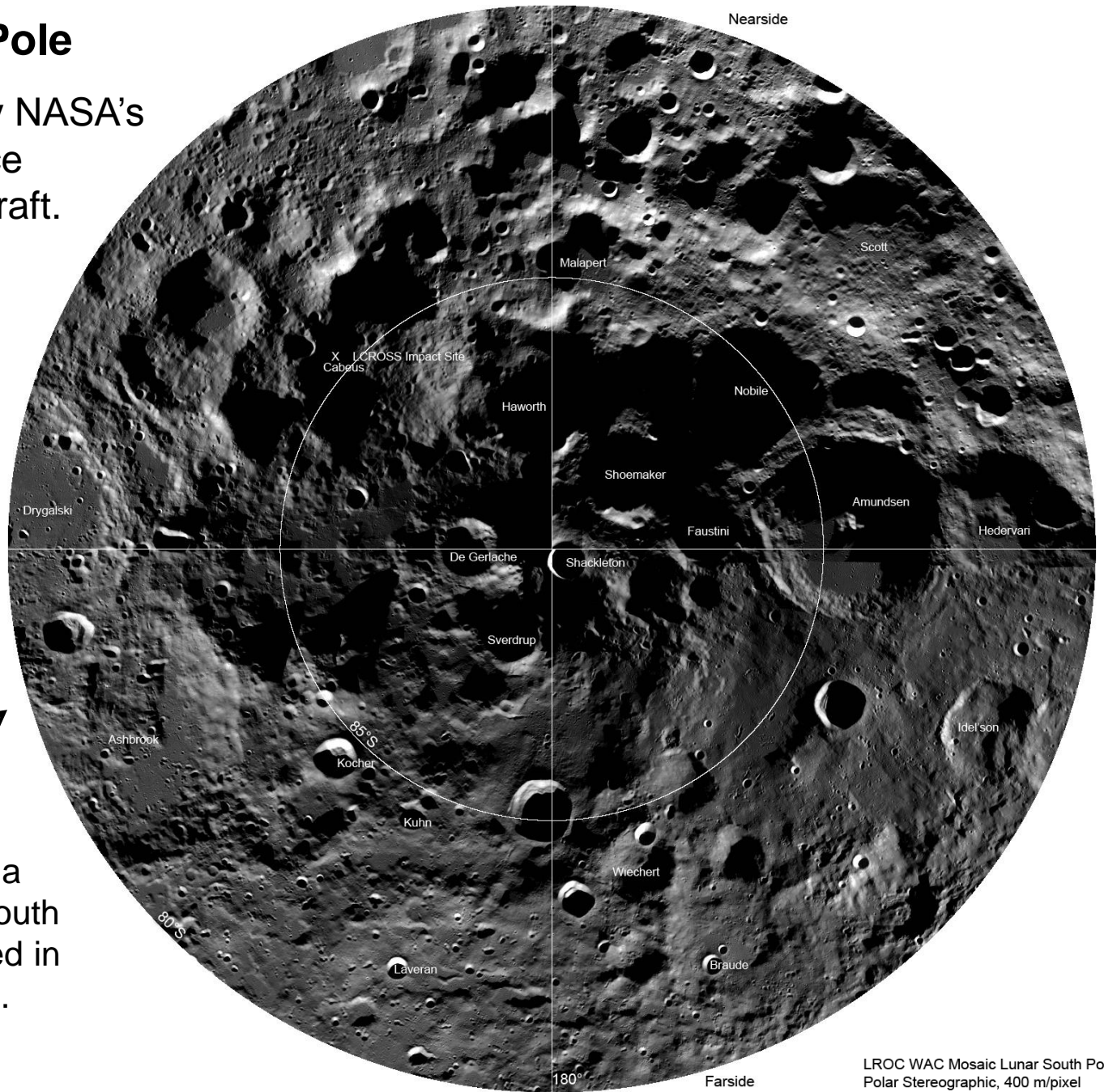


The Lunar South Pole

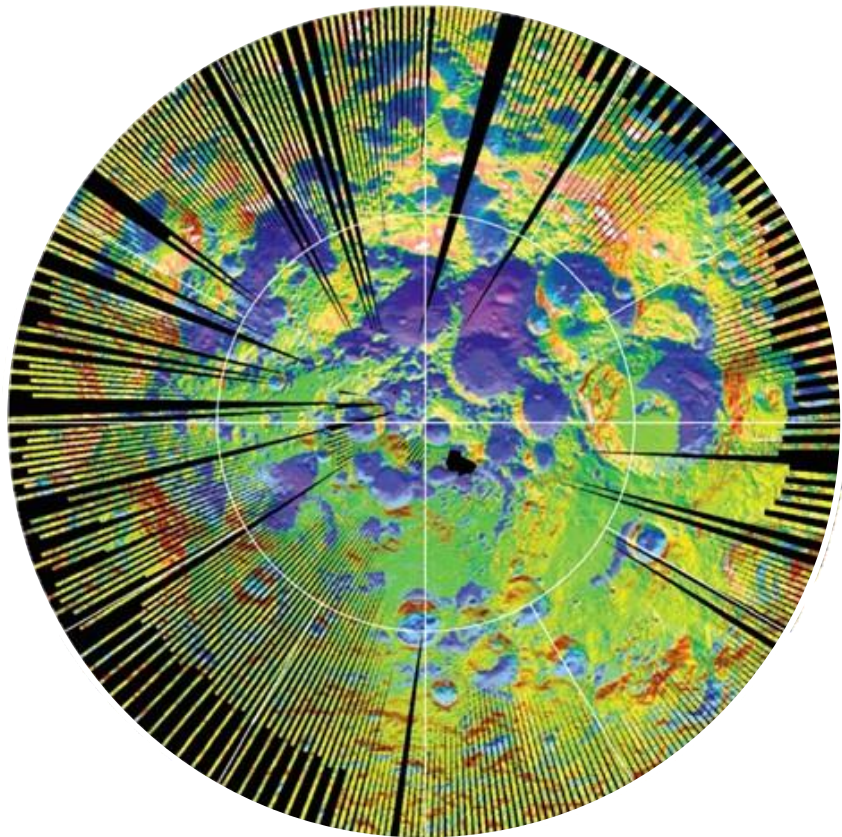
Photographs taken by NASA's Lunar Reconnaissance Orbiter (LRO) spacecraft.



Map 1: This map shows a small area around the South Pole of the Moon (marked in red on the image above).

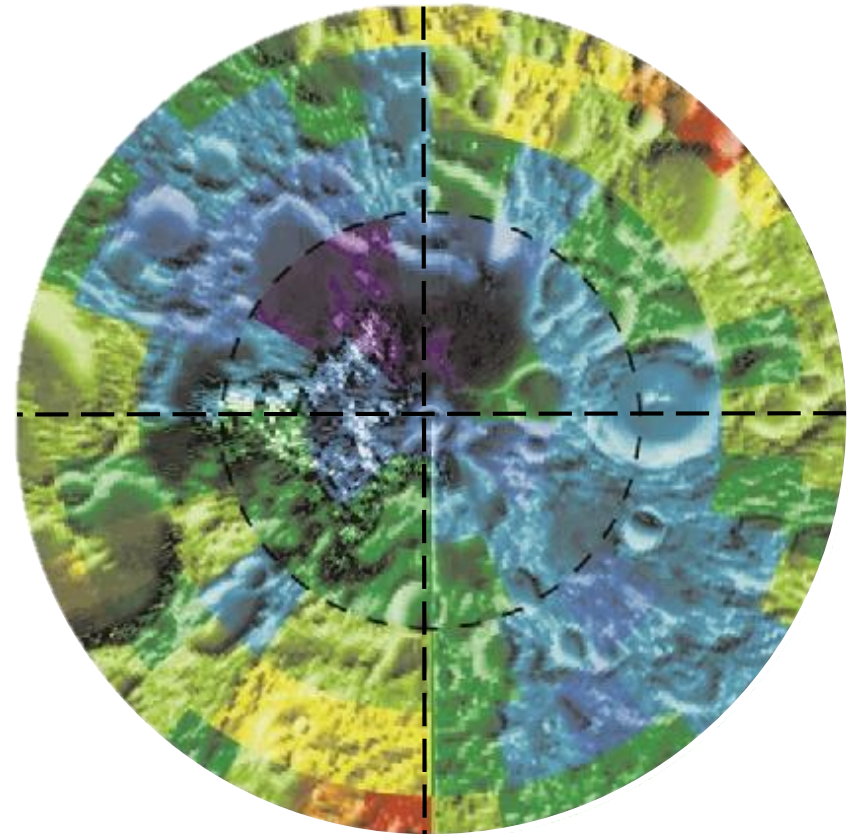


Spacecraft can 'see' things that are invisible to our eyes. Here are two more maps of the South Pole of the Moon made by two different spacecraft, the Lunar Reconnaissance Orbiter (Map 2) and Lunar Prospector (Map 3).



-415 °F (cold!)  80 °F (warm)

Map 2: This map shows the temperature of the lunar surface. Some areas are as warm as a sunny day, but other areas are colder than the surface of Pluto. Brrrr!



Less hydrogen  More hydrogen

Map 3: This map shows how much hydrogen is buried under the lunar surface. At the areas with more hydrogen, there *could* be frozen water (ice) trapped in the ground.