# The Moon 

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This project was primarily an exercise in georeferencing and
dealing with the difficulties that result when mosaicking
numerous rasters together. The images used were of such high
resolution and quality that they had to be significantly reduced
n cell size when rectifying. The main challenge with these articular rasters was the angle of light that fell on each ndividual area. This was significantly different for each and equired extensive clipping to avoid extremely shadowed reas from being present in the final assembly.
lipping often left large holes in areas that had previously een covered and as such, it took many more rasters to
f overlap for a single sliver that was left bare.
Overall, the crater data proved crucial in the alignment and
identification. Without them it would be have been impossible
or have an end result that was anywhere close to accurat.
Though, inaccuracies are inherent to georeferenced images.
When all 52 rasters were georeferenced, clipped, downsampled, and overlayed in an appropriate way, it ecame evident that the clip boundaries of each image were arious blurs and blends, nothing more gratifying was possible. Stitching provided a more pleasing alternative to the stark edges, but unfortunately the raster size still prevented program from being to crash it completely.

In the end, exporting them without mosaicking together (which ade of the situation given the time frame and resources at hand.

Text placement was applied following the export and remova
of jagged edges around the outer edges of the planet.

## Sources:

All rasters from: The Consolidated Lunar Atlas, Lunar and Planetary Institute.
htrp///www.pi.uscreedu//resources/la/maps//thumbs/
Lunar crater data obtained from:
htrp:/ /host.planet4589.org/ sstro/ Unar/Craters

## Identification of craters aided by: The Full Moon Allas

The LLunar Nanvigator, Interactive Maps of the Moon
hhtrp:/ /www.lunarrepublic.com/atlas/index.shtm/
Referenced Near Side of the Moon by Ralph Aeschliman to confirm tex placement.
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