Debuggin probability

Check that subframe cropping is working as intended:

Aram Ellipse:

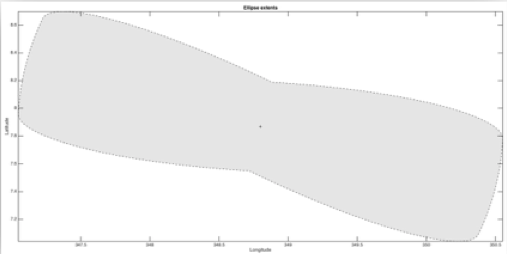
**2020 EDL**

100 x 19 km

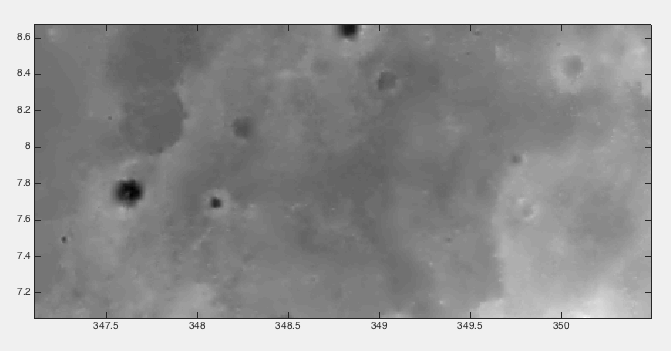
348.8 °E, 7.869 °N

93° <= Az <= 116° (CW from North)

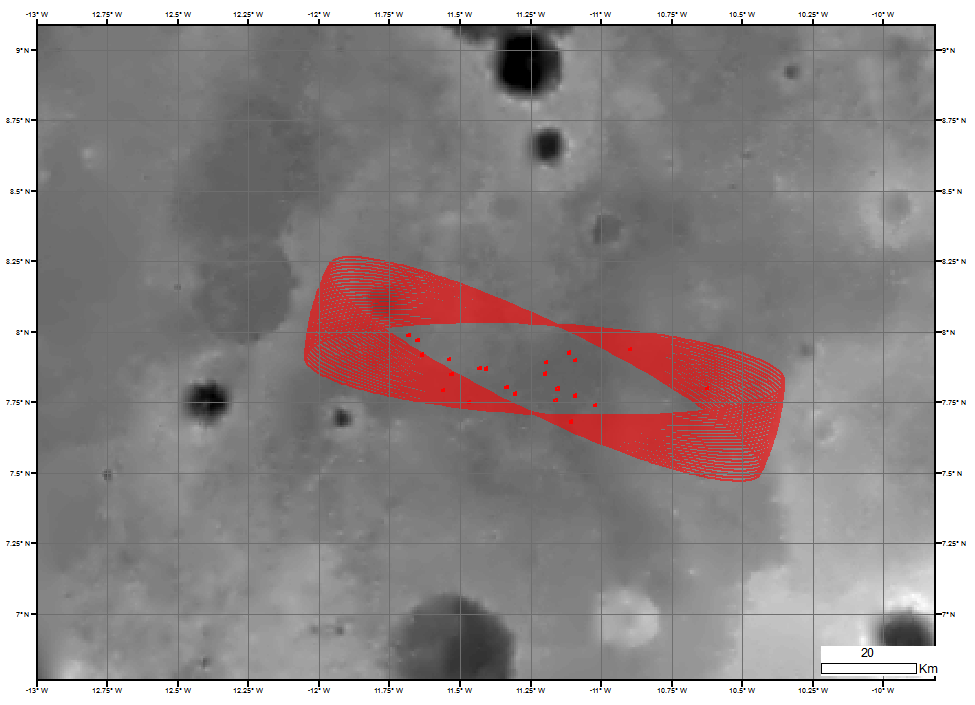
As plotted in ellipse evaluator:



Subframe extracted during evaluateAzCore:

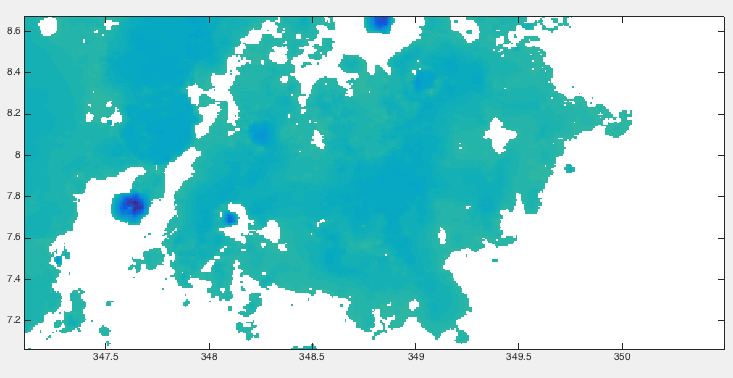


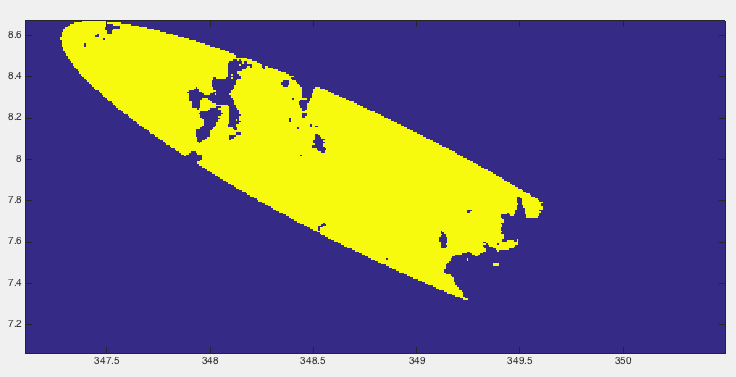
Matches area covered by ellipses plotted over similarly scaled MOLA in Arc:

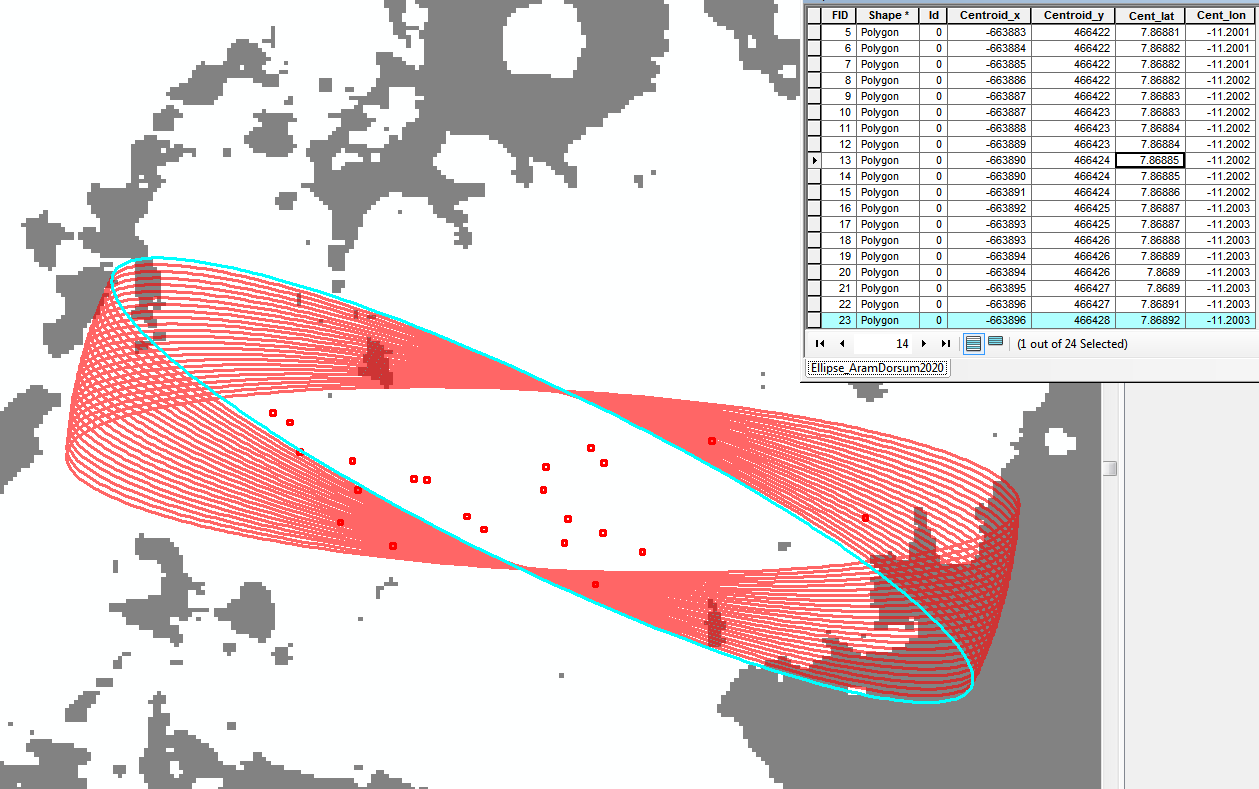


**Appears to work as intended.**

However:

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**Elllipse is not in correct position! Why not?**

Are the map-projected coordinates of the centroid the same?

Arc: -663896, 466438

Matlab: 20675014.49612921 (-663880), 464967.6479579408

16 m off in longitude, 1470.4 m off in latitude!

But perhaps the shapes are different too?

Need a way to load ellipse from shape file. Shapefile coordinates MUST be held in Lambert equal area cylindrical.