

All stacks mapped to polar stereographic projection at 86 m/pixel and maptrim'd to the following:

lat: 89.15 - 90 N

lon: 150 - 220 E

1. DEM (km)
2. Azimuth (degrees - orientation of crater wall): -180 - +180
3. Slope (degrees): 0 - 90
4. Maximum Incident Solar Flux ($W m^{-2}$)
5. Maximum Temperature (K) - All temperature and depth models are calculated over a two-year illumination cycle using MLA+SfS DEMs
6. Average Temperature (K)
7. Minimum Temperature (K)
8. Anthracene depth (m) - All stability depth models are calculated up to 2.5m beneath the surface. Negative values are thermally stable at the surface!
9. Coronene Depth (m)
10. Ice Depth (m)
11. Sulfur Depth (m)
12. Radar (radar3b - reflectance values)
13. EW1007474190B Simulation (All simulations: radiance received by MDIS - Intensity/Flux)
14. EW1007502995B Simulation
15. EW1009029607B Simulation
16. EW1009029608B Simulation
17. EW1010210689B Simulation
18. EW1010210690B Simulation
19. EW1011420653B Simulation
20. EW1011420654B Simulation
21. EW1011420673B Simulation
22. EW1025333800B Simulation

23. EW1010210679B (WAC-B broadband filter: all broadband images are DN values corrected for dark, smear, and non-linearity)

24. EW1011420654B

25. EW1025333800B

File cub names (used for cubeit):

run-DEM-final-Tryggvadottir_86mpp_trim.cub

run-DEM-final-Tryggvadottir_azim_86mpp_trim.cub

run-DEM-final-Tryggvadottir_slp_86mpp_trim.cub

maxinflux_1h_Tryggvadottir_SfS_86mpp_trim.cub

Tryggvadottir_Tmax_86mpp_trim.cub

Tryggvadottir_Tav_86mpp_trim.cub

Tryggvadottir_Tmin_86mpp_trim.cub

Tryggvadottir_Danth_86mpp_trim.cub

Tryggvadottir_Dcor_86mpp_trim.cub

Tryggvadottir_Dice_86mpp_trim.cub

Tryggvadottir_Dsulf_86mpp_trim.cub

radar3b.map2_86mpp_Tryggtrim.cub

simulationMDIS_Tryggvadottir_EW1007474190B_all_86mpp_trim.cub

simulationMDIS_Tryggvadottir_EW1007502995B_all_86mpp_trim.cub

simulationMDIS_Tryggvadottir_EW1009029607B_all_86mpp_trim.cub

simulationMDIS_Tryggvadottir_EW1009029608B_all_86mpp_trim.cub

simulationMDIS_Tryggvadottir_EW1010210689B_all_86mpp_trim.cub

simulationMDIS_Tryggvadottir_EW1010210690B_all_86mpp_trim.cub

simulationMDIS_Tryggvadottir_EW1011420653B_all_86mpp_trim.cub

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simulationMDIS_Tryggvadottir_EW1025333800B_all_86mpp_trim.cub

EW1010210679B_86mpp_trim_pad_trans0_darknoespo.cub

EW1011420654B_86mpp_trim_pad_trans0_darknoespo.cub

EW1025333800B_86mpp_trim_pad_trans0_darknoespo.cub