

All stacks mapped to a polar stereographic projection at 46mpp and maptrim'd to the following:

lat: 83.03 - 83.55 N

lon: 307.45 - 312.5 E

1. DEM (km)
2. Avg. Illumination (% of solar day)
3. Maximum Incident Solar Flux ( $\text{W m}^{-2}$ )
4. Slope (degrees)
5. Azimuth (degrees)
6. Maximum Temperature (K) - All temperature and depth models are calculated over a two-year illumination cycle using MLA+SfS DEMs
7. Avg. Temperature (K)
8. Minimum Temperature (K)
9. Ice Depth (m) - All stability depth models are calculated up to 2.5m beneath the surface. Negative values are thermally stable at the surface!
10. Sulfur depth (m)
11. Coronene depth (m)
12. Anthracene depth (m)
13. EW1047293379B Simulation
14. EW1052529039B Simulation
15. EW1052586891B Simulation
16. EW1067451645B Simulation
17. EW1067481439B Simulation
18. EW1067660199B Simulation
19. EW0242255486G (WAC-7 narrowband filter: Intensity/Flux - corrected for dark, smear, non-linearity, flatfield, radiometric)
20. EW1047293379B (WAC-2 broadband filter: all broadband images are DN values corrected for dark, smear, and non-linearity)
21. EW1052529039B
22. EW1052586891B
23. EW1067451645B
24. EW1067481439B
25. EW1067660199B