

Chesterton_stack_82mpp.cub

All stacks mapped to polar stereographic projection at 82 m/pixel and maptrim'd to the following:

lat: 88.13 - 89.1 N

lon: 220 - 250.1 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. Ice Depth (m) - All stability depth models are calculated up to 2.5m beneath the surface. Negative values are thermally stable at the surface!
9. Anthracene depth (m)
10. Coronene 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. EW1009000825B Simulation
16. EW1009000826B Simulation
17. EW1011420653B Simulation
18. EW1011420654B Simulation
19. EW1011420673B Simulation
20. EW1009605762B Simulation
21. EW1012428897B Simulation

22. EW1023461467B Simulation
23. EW1009000825B (WAC-B broadband filter: all broadband images are DN values corrected for dark, smear, and non-linearity)
24. EW1009605762B
25. EW1009605763B
26. EW1012428890B
27. EW1012428897B
28. EW1012457744B
29. EW1023461467B
30. EW1023519075B
31. EW1023519076B

File cub names (used for cubeit):

run-DEM-final-Chesterton_82mpp_trim.cub
run-DEM-final-Chesterton_azim_82mpp_trim.cub
run-DEM-final-Chesterton_slp_82mpp_trim.cub
maxincflx_1h_Chesterton_SfS_82mpp_trim.cub
Chesterton_Tmax_82mpp_trim.cub
Chesterton_Tav_82mpp_trim.cub
Chesterton_Tmin_82mpp_trim.cub
Chesterton_Dice_82mpp_trim.cub
Chesterton_Danth_82mpp_trim.cub
Chesterton_Dcor_82mpp_trim.cub
Chesterton_Dsulf_82mpp_trim.cub
radar3b.map2_82mpp_Chestertontrim.cub
simulationMDIS_Chesterton_EW1007474190B_all_82mpp_trim.cub
simulationMDIS_Chesterton_EW1007502995B_all_82mpp_trim.cub
simulationMDIS_Chesterton_EW1009000825B_all_82mpp_trim.cub

simulationMDIS_Chesterton_EW1009000826B_all_82mpp_trim.cub
simulationMDIS_Chesterton_EW1011420653B_all_82mpp_trim.cub
simulationMDIS_Chesterton_EW1011420654B_all_82mpp_trim.cub
simulationMDIS_Chesterton_EW1011420673B_all_82mpp_trim.cub
simulationMDIS_Chesterton_EW1009605762B_all_82mpp_trim.cub
simulationMDIS_Chesterton_EW1012428897B_all_82mpp_trim.cub
simulationMDIS_Chesterton_EW1023461467B_all_82mpp_trim.cub
EW1009000825B_82mpp_trim_pad_trans0_darknoespo.cub
EW1009605762B_82mpp_trim_pad_trans_darknoespo.cub
EW1009605763B_82mpp_trim_pad_trans0_darknoespo.cub
EW1012428890B_82mpp_trim_pad_trans0_darknoespo.cub
EW1012428897B_82mpp_trim_pad_trans0_darknoespo.cub
EW1012457744B_82mpp_trim_pad_trans0_darknoespo.cub
EW1023461467B_82mpp_trim_pad_trans0_darknoespo.cub
EW1023519075B_82mpp_trim_pad_trans0_darknoespo.cub
EW1023519076B_82mpp_trim_pad_trans0_darknoespo.cub