



Capri Chasma Targets

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Use the binocular icon on http://crism-map.jhuapl.edu to zoom in on target ID C114





Browse Products for C114





MAF browse product shows possible olivine and low-Ca pyroxene spectral features





- 1. From PDS retrieve IR files for target IDs C114, 8112, and A0F0.
- 2. Load into CAT, convert to CAT format, and perform atmospheric correction.
- 3. Create summary products.
- Load window with MAF browse product (OLINDEX3, LCPINDEX2, and HCPINDEX2), along with RGB composite.
- 5. Link displays.



Create a region of interest with the ROI tool in the red region below and to the left of center.



Using CAT





Create two regions of interest using the ROI tool in the zoom windows.

Use the spectral math tool to ratio the spectra of the red region to the green region.





Comparison with Library Spectra

CRISM



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Another C114 region





CRISM

Create two regions of interest using the ROI tool in the zoom windows.

Use the spectral math tool to ratio the spectra of the blue region to the yellow region.





Comparison with Library Spectra

CRISM



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NAS



New data product – will be available on PDS in the near future. Using MTRDR for this demonstration but TER is a better choice for ratioing spectra.







Old HYD browse product on crism-map SINDEX BD2100 BD1900

New HYD browse product from MTRDR SINDEX2 BD2100_2 BD1900_2







CRISM Comparison with Library Spectra Image: Comparison with Library Spectra

File Edit Options Plot_Function Help





Another A0F0 Region



🛑 😑 💽 #1 Zoom [4x] [x4] mooS S# 🔀 🔵 😑 🗧 🔍 🗶 #2 (R:Band 341,G:Band 159,B:Band 64):FRT0000A0F0_07_IF165J_TER3.IMG e Overlay Enhance Tools Window

HYD browse with 2% linear Stretch on BD1900_2



Spectral Ratio



 Image: Spectral Math Result

 File
 Edit

 Options
 Plot_Function

 Help



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•••	🔀 Spectral Math Result
File Edit Options	Plot_Function Help

