PDS review by Bob West

General comment: It is great to have these new photometrically and geometrically calibrated images available – a valuable service to the community.

Other comments:

Why isn't the Danielson et al calibration report in the reports folder?
Danielson, G. E., et al., Radiometric Performance of the Voyager Cameras,
JGR 86, 8683-8689, 1981.
Should be on this page:
http://pds-rings.seti.org/volumes/VGISS_5xxx_peer_review/VGISS_5101/DOCUMENT/REPORTS/

Also here:

http://pds-rings.seti.org/volumes/VGISS_5xxx_peer_review/VGISS_5115/DOCUMENT/DOCINFO.TXT

And similarly for Uranus and Neptune documentation.

However, if the above reference is truly superseded by Danielson et al. 1990, then this is not needed.

I did not find files with tabulated filter/optics/vidicon_response factors as listed in the Danielson et al. 1981 paper. It would be helpful to include these as an ascii file in the documentation or somewhere so the user doesn't have to type them in by hand.

I wonder about the calibration of the Neptune images. Uranus and Neptune should have very similar I/F values at the same phase angle given their very similar geometric albedos (Karkoschka 1998) and atmospheric structure. Neptune in image C2602506_GEOMED.IMG has maximum I/F near 0.6, whereas Neptune in image C1087638_GEOMED.IMG has maximum I/f less than 0.3. Both are GREEN filter. Neptune seems too low in GREEN and also in VIO where Karkoschka's spectrum indicates high albedo and little or no methane absorption. Although the phase angles are not the same I don't think that difference is enough to account for the ~factor of 2 difference in the maximum. This should be checked.