

Discussion of VIS/NIR topics (not including lunar goals)

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2021 GSICS recommendations

- Migrate from Aqua-MODIS to N20-VIIRS visible reference instrument
- Utilize the TSIS-1 HSRS solar spectra

VIS/NIR goals

- DCC visible channel ($<1\mu\text{m}$) GSICS correction product
 - ATBD
 - Paper with agency results
 - DCC product format, tool
- Near Future GSICS VIS/NIR products
 - DCC SWIR channel calibration coefficient product, Raj Bhatt-lead
 - Begin compiling agency ray-matching methodologies (future web meeting topic)
 - Begin compiling agency (desert) PICS methodologies (future web meeting topic)
 - Combining multiple calibration coefficients strategy
- Future GSICS VIS/NIR products (let me know if you are interested in leading a topic)
 - Ray-matching (SNOs)
 - PICS
 - Use Reference sensor cloud properties to predict TOA sensor channel reflectances
 - Liquid water clouds (JMA, Platnick MODIS/VIIRS cloud retrieval continuity)
 - Rayleigh scattering calibration
 - Sunlint
 - Vicarious ground based instrument calibration
 - Stars
 - other

Monthly web meeting format

- VIS/NIR monthly web meetings are on the 2nd Thursday of every month, usually 11-13 UTC
 - Announcement sent out ~2 weeks in advance and ~ 2 days in advance
 - Make sure your email is in the GSICS email list, Manik will add you if you are not
- Any comments on the “long discussion format” during the 2-hour VIS/NIR monthly web meetings.
 - Or more presentation dense format, with fewer meetings
- Other comments

Future Web Meetings

- DCC ATBD, paper, tool, and product
- Dedicated future monthly web meeting for Agency Ray-matching methodologies to nail down best practices of sensor pair ray-matching inter-calibration
 - Rather than focus on inter-calibration results, more of the important steps
 - Lightning round agency presentations (Especially the results presented on Tuesday)
- Dedicated PICS (desert) future monthly web meeting
- Other topics

Future Web Meetings

Name	Agency	Title
Steffen Dransfeld	ESA	SLSTR calibration in VIS/SWIR complementing the existing PICS analysis with results from a currently ongoing 'mini'-roundrobin between CNES and RAL
Valentina Boccia	ESA	Sentinel2A-2B intercalibration
Georgia Doxani	ESA	result of the second intercomparison exercise of atmospheric correction ACIX-II
Yeeun Lee	Ewha Womans University	Radiance biases based on ray-matching for sensors onboard GK-2 series inter-comparison results (shorter than 500 nm) of AMI, GEMS and GOCI-2 onboard GK-2A and B.
Michael Medford	Planet	Evaluating Radiometry within a Heterogenous Satellite Fleet via Continuous Moon Monitoring
Ling Wang	CMA	Performance of FY-3E MERSI_LL onboard calibrator for the reflective solar bands
Jing Wang	CMA	In-orbit Radiometric calibration progress of Fengyun-4B GHI
Kazuki KODERA	JMA	Validation results for AHI by ray-matching method with VIIRSs

If you would like to present at future VIS/NIR monthly web meetings, please email me your title