



JPSS STAR Science Team Annual Meeting

VIIRS EDR Imagery

Report Back

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Lessons from other Teams



- Interaction with VIIRS **SDR Teams**:
 - We are available to check VIIRS EDR Imagery when asked by SDR Teams. For example, the potential mis-alignment issue in VIIRS SDR Imagery has been explored and dismissed by the EDR Imagery Team.
 - Need to pay more attention to the many details that the SDR Teams handle: For example, geo-location and radiance/reflectance fixes, and when they took place.
 - South Atlantic Anomaly worth looking at to see if it affects EDR Imagery
 - Concern that reprocessing potentially causes differences in same products at different PEATEs.
- Interaction with other **EDR Teams**:
 - Use of Imagery at NIC by Cryo Team (Sean Helfich)
 - Use of GTM remapping by SST Team (Sasha et al).



Shared Issues



- **Lower VIIRS latency** is needed by Imagery and Cloud Teams in particular, but also by some, but not all, of the other Teams.
 - Alternative is **Direct Broadcast**, but that's not available globally.
 - Pursue more DB sources for VIIRS.
- **DNB/NCC** is widely used and sought
 - Imagery Team can be a source of help for users.
 - There is VIIRS training/information available.

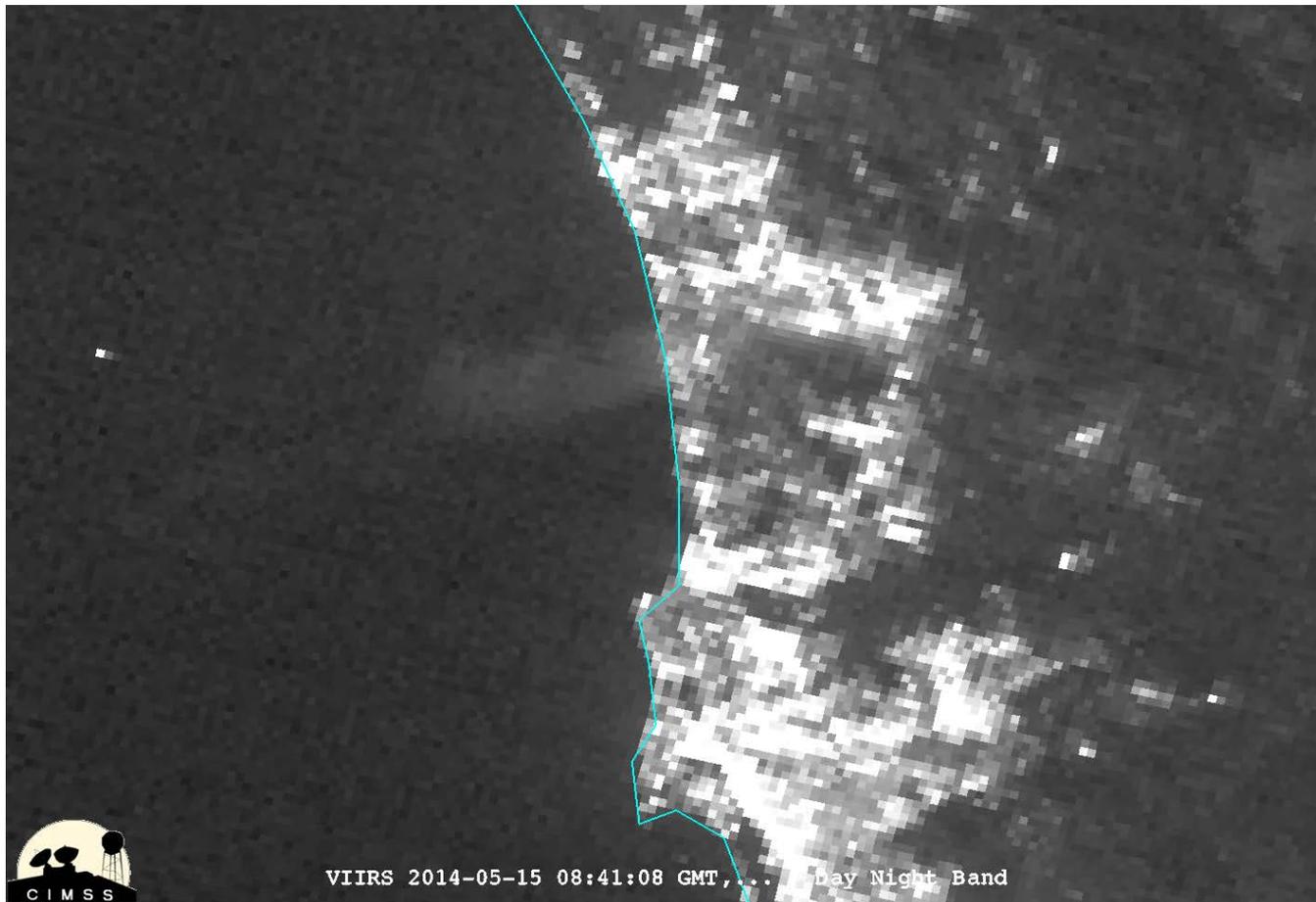


Future Plans

- Continue to pursue lower latency Imagery thru GRAVITE
- Explore new Direct Broadcast sources for lowest latency data:
 - Sites in AK, HI, OR, and FL.
- Pursue missing M-bands as EDRs:
 - This limits image products, including RGB combinations, one being true-color imagery.
- Involve additional Imagery users:
 - Depends on data availability issues, such as lower latency and sufficient bandwidth to carry VIIRS Imagery.
- Push for Terrain-Corrected (TC) geo-locations for NCC Imagery.



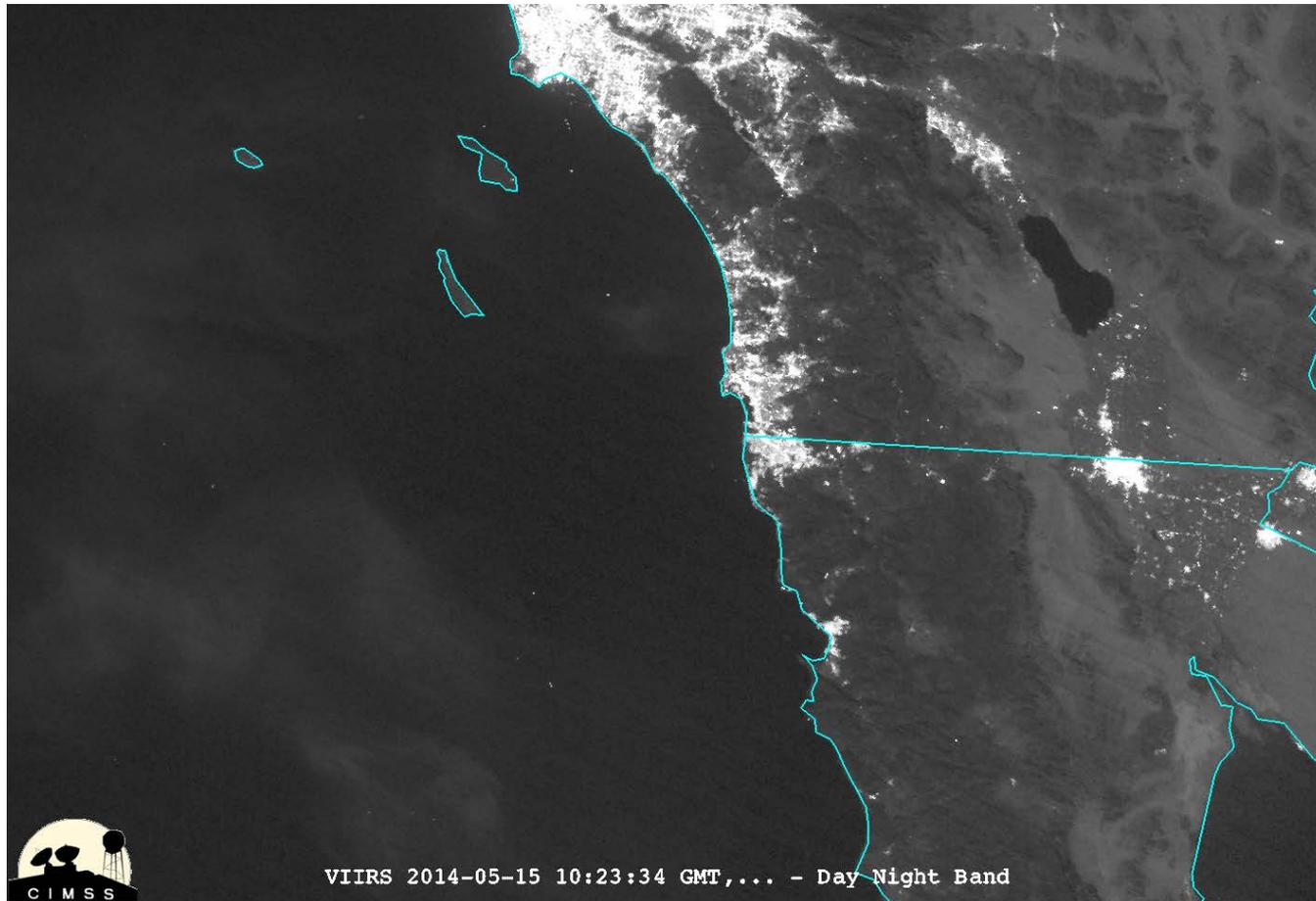
Smoke from San Diego area fire 2014-05-15 0842 UTC



VIIRS DNB – Courtesy of W. Straka III, CIMSS



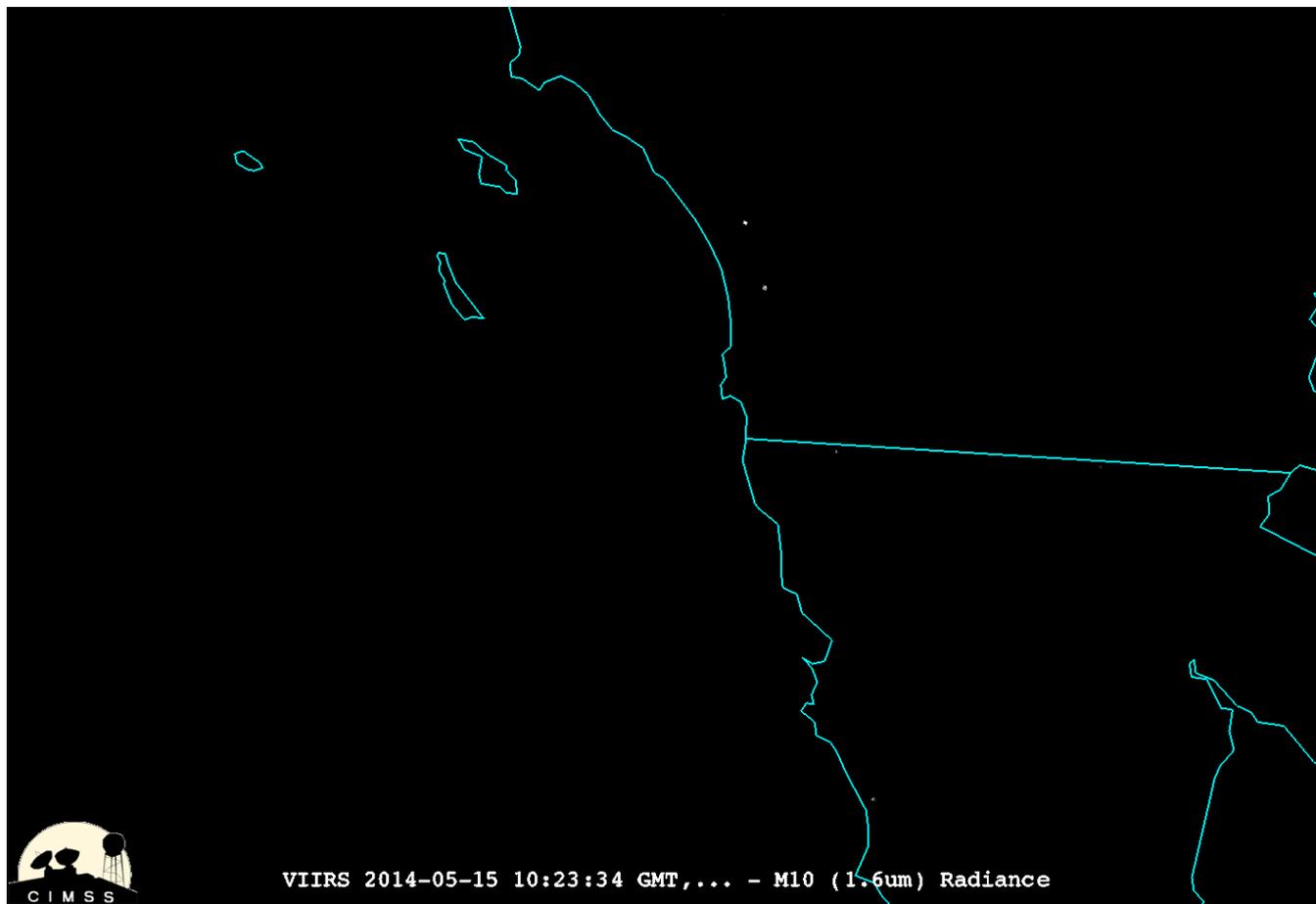
Smoke from San Diego area fire 2014-05-15 1023 UTC



VIIRS DNB – Courtesy of W. Straka III, CIMSS



Hot spots from San Diego area fire 2014-05-15 1023 UTC



VIIRS 1.6 μm – Courtesy of W. Straka III, CIMSS