Global harmonization of RGB products

All

EUMETSAT Training Team

RGB workshop, Ft. Collins, 20 October 2022
Joint harmonization discussion

• Point to make
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- Reasoning behind having a standard RGBs – make sure everyone is on the same page
  - Why standard
  - Why these exactly
  - General recommendations (green component, day/night, tropical tuning, gamma, etc.)
- Mark down most prominent candidates (prevents no one to use other RGB visions!):
  1. (Make sure standard SEVIRI RGBs are conceptually understood)
     1. “Why RGB standardisation?”
     2. “The process of building ‘good’ RGBs”
     3. RGB classes
     4. Conceptual colour assignment (Red: cloud optical thickness; Green: cloud top particle size and / or phase; Blue: Temperature of radiating surface)
  2. Identify post-SEVIRI RGBs
     1. Standard RGBs created from Meteosat SEVIRI data
     2. Standard RGB candidates to be created from the future MTG FCI data
     3. RGBs created from GOES ABI and Himawari AHI, etc.
  3. Identify (keep in mind) unexplored/non-validated RGBs (e.g. NIR0.9 RGBs, or LI-based RGBs)
  4. Identify possible redundancy between 0, 1 and 2 – filter out principle components
  5. Converge to unique naming for none-redundant products
- Harmonisation task force / work group (identify focal point from each agency – Maria’s RGB list a starting point)?
Thank you!
Questions are welcome.