

GSICS-IVOS Interactions

Tim Hewison



AP.2014-15 Nigel Fox to add to the GSICS-IVOS interaction list the possibility of joint activity on achieving a common reference for sensor comparisons Superseded by ...

There was a feeling that (harmonisation) should be discussed further. Some people proposed a new working group, perhaps in collaboration with GSICS. But others expressed concern that this might overcomplicate things at this stage and that we were not yet ready for this (...).

The final decision was to create an initial discussion forum with a very limited membership – probably limited to formal CEOS members and limited initially to the optical sensors and perhaps chaired by NPL to provide neutrality – to discuss what the main questions are, what the scope of any wider discussion might be and the best approach to achieve this. This would probably be followed up with a technical workshop to consider calibration coefficients.

R.2015-2 IVOS recommends the establishment of a depository/ database to collect information on the choice, values and reasons for the radiometric gain corrections and calibration results

R.2015-3 IVOS recommends holding a workshop on radiometric gain corrections and calibration results, this should initially be scoped out by a subgroup of CEOS members

AP.2015-3 Nigel Fox to organise a CEOS member discussion about the establishment of workshops on calibration coefficients WGCV meeting

Preparation for CEOS WGCV IVOS discussion on Harmonisation coefficients

Assumptions:

- Each satellite operator would at all times remain responsible for
 - the calibration,
 - any updates,
 - re-processing and
 - assessment of the uncertainty of their own satellites data products.
- However there could be a 'CEOS agreed harmonisation/correction coefficient'
 - that can be applied (by a user)
 - to allow interoperability
 - (potentially more than one for differing scene types)
 - building on but potentially generalising further,
 - what GSICS has been progressing and
 - exploiting all methods (test-sites, PICS, Rayleigh) & infrastructure (databases)
 - that we as CEOS have been pursuing over the years.
 - In essence bias removal.

- Pleased to see greater cooperation between WGCV/IVOS and GSICS.
- As previously discussed, plenty of scope for
 - greater harmonisation of terminology
 - and best practices.
- However, we also need to ensure that this new initiative defines clear and achievable objectives, whilst not duplicating existing activities.
- Coordination is key.

- Would like to know EP's opinion on this proposed activity
- Does EP support/endorse/consent to this initiative?
- If it goes ahead do we attempt to coordinate?
- If so, how to divide out responsibilities?
 - Sensor types – resolution, application, spectral band
 - Satellite Operator
 - User application – NRT / Re-analysis / FCDR generation

Thank You!