

STG-SWG discussion on IODC HRV scan configuration

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- C. Tranquilli presented [...]
- The first is having one single HRV following the sun illumination, the second is similar but same single window moves earlier, and the third is having a split HRV window with the lower window following same as option 1. In summary:
 - **Option 1** maximises the IODC coverage during the illuminated hours.
 - **Option 2** anticipates the overlap of the area already covered by the 0 degree mission.
 - **Option 3** users the lower HRV window maximising IODC and HRV AMW generation, and the upper window to maximise coverage and use over land thanks to the synchronisation with the 0 degree mission upper HRV window.

- SWG discussion:
 - D. Biron commented that the southern segment should follow the terminator earlier than the proposal. As soon as terminator arrives in the east we require the best solution for following the terminator for early morning fog detection. He fully agrees with moving the southern sector for the best retrieval of winds but for northern sector it is more convenient to follow terminator in early morning for low clouds.
 - K. Holmlund reiterated that option 3 gives continuous overlap of the northern part, so this is better for what you require. Also option 3 provides better stereo heights for clouds. Options 1 and 3 are same for India, 1 and 3 are different for northern latitudes. Option 3 is considered useful for other benefits such as cloud studies.
 - M. Setvak asked whether further changes can be done throughout the year, for example, for southern hemisphere summer. K. Holmlund explained that these configurations can always be changed later but first of all we need a baseline so we can go ahead with service proposal.

- SWG discussion (continued...):
 - K. Holmlund explained that it is beneficial to try to minimise the number of steps as this may affect user applications and this is why there is a late start in the day and with only a minimal number of shifts.
 - M. Setvak stated that the subject will be discussed in the Convection Working Group in April and feedback can be supplied later.
 - A. Thoss would like to check first with their OPS-WG representative. K. Holmlund confirmed that science inputs are requested. Any operational implications are to be discussed at OPS-WG. A. Thoss confirmed that therefore she has no comment.
 - P. Francis indicated no strong preference from the U.K. In terms of AMW's the HRV real benefit is for regional models rather than global models, so in summary they are happy to support option 3.

- SWG decisions:
 - Action 40.6: The **Convection Working Group** to provide feedback, if any, to the EUMETSAT secretariat on the Meteosat-8 HRV scan configuration for IODC **by the end of April.**
 - Recommendation 40.4: The STG-SWG **recommends the use of Option 3** for the Meteosat-8 HRV scan configuration for IODC.