



Group Discussion: AMV Open Source Software





Recalling background (1)

ORIGINAL OBJECTIVES:

- 1. Greater involvement of research groups to help develop and test new approaches for deriving satellite-based AMVs.**
- 2. Increased collaboration between operational AMV producers to speed up improvements to AMV derivation and move towards more consistent approaches.**



Recalling background (2)

Action 38.29: EUMETSAT to conduct an extended validation campaign for AMVs derived with the NWCSAF portable AMV software package. Due date 31 May 2011 and a report to CGMS-39.

This was addressed by EUM-WP-28 to CGMS-39 (written by R. Borde and J. Garcia-Pereda)

See also talk at this workshop by P. Lean (G. Kelly)



Recalling background (3)

Recommendation 38.15: CGMS operators are invited to express their interest in the portable AMV software package from the EUMETSAT ‘Nowcasting SAF’ for testing and internal comparisons.

NOAA paper to CGMS 39 says: ‘NOAA/NESDIS does have an interest in obtaining this AMV software package for many of the same reasons that are outlined in the CGMS-38 working paper, EUM-WP-42 ‘(see slide above)

From CGMS 39 report:

‘In line with Recommendation 38.15, JMA plans to examine the efficiency of the NWC-SAF portable AMV software package. This test is expected to significantly contribute to the improvement of JMA’s AMVs.’



Questions

- **Should there be:**
 - a) **an open source software**
 - b) **an ‘off-the-shelf AMV software package’**

- **NWCSAF s/w fulfills 1b) , yes?**
- **Implementation simple enough?**
- **Feasibility of making changes easily has been demonstrated?**

- **Alternatives to NWCSAF s/w?**
- **Do we need alternatives to start off?**



Way forward ?

1. ?

2. ?

3. ?