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.
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)
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. ?