IWW15
WG1 Discussion

Coordination Group for Meteorological Satellites

Key issues of relevance to CGMS: HLPP 4.2.1:
Establish commonality in the derivation of AMV for global users where appropriate (e.g., through sharing of prototype algorithms) and consider backwards compatibility when designing AMV algorithms for the 16-channel imagers, so that present state-of-the-art algorithms can be applied to old imagery.

➢ Common QI and AMV BUFR sequence implementation

Check when these two actions be completed?

➢ 4th AMV Inter-comparison study.

Agreement with current plan (GOES 16 image)?
Who takes the lead to make the data available?
Deadline for processing AMVs?

Key issues of relevance to CGMS: HLPP 4.2.2:
Investigate the best configurations to be used by the AMV producers for use in global and regional NWP models respectively, and clearly define the appropriate requirements for each of them

A46.06: IWWG to look at improving quality indicators for high resolution wind derivation for mesoscale and regional applications. (Ref. CGMS-46-IWWG-WP-01).

Better use of correlation surface ?
Needs to investigate new methods like Stereo views, or Machine learning, optical flow…
Better use of Cloud parameters

Key issues of relevance to CGMS:

A46.07: IWWG to consider developing climate projects from Atmospheric Motion Vectors (AMVs) and to report to the CEOS/CGMS WGClimate with a potential pilot project. (Ref. CGMS-46-IWWG-WP-01)

Plans of agencies for reprocessing?

AOB

Feedback on IWW15 and IWWG activities

IWW15
WG2 Discussion

Coordination Group for
Meteorological Satellites

Slide: 6

Key issues of relevance to CGMS: HLPP 4.2.2:
Investigate the best configurations to be used by the AMV producers for use in global and regional NWP models respectively, and clearly define the appropriate requirements for each of them

A46.04: NWP community to define the best configuration to be used by the AMV producers, for use in global and regional NWP models

How can this be investigated?
Who takes the lead?
Deadline?

A46.06: IWWG to look at improving quality indicators for high resolution wind derivation for mesoscale and regional applications. (Ref. CGMS-46-IWWG-WP-01).

Better use of correlation surface ?

Better use of Cloud parameters, which ones?

NWP views about new methods like Stereo views, Machine learning, optical flow…

Not fully clear if AMV producers are invited to use model background or not during product generation?

NWP SAF activities

Future evolution foreseen in the monitoring ?

AMV monitoring and Analysis report

AOB

Satellite derivation / changes…

Data latency…

Feedback on IWW15 and IWWG activities

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