The EUMETSAT Network of Satellite Application Facilities

NWC SAF

Support to Nowcasting and Very Short Range Forecasting

MSG Reference System

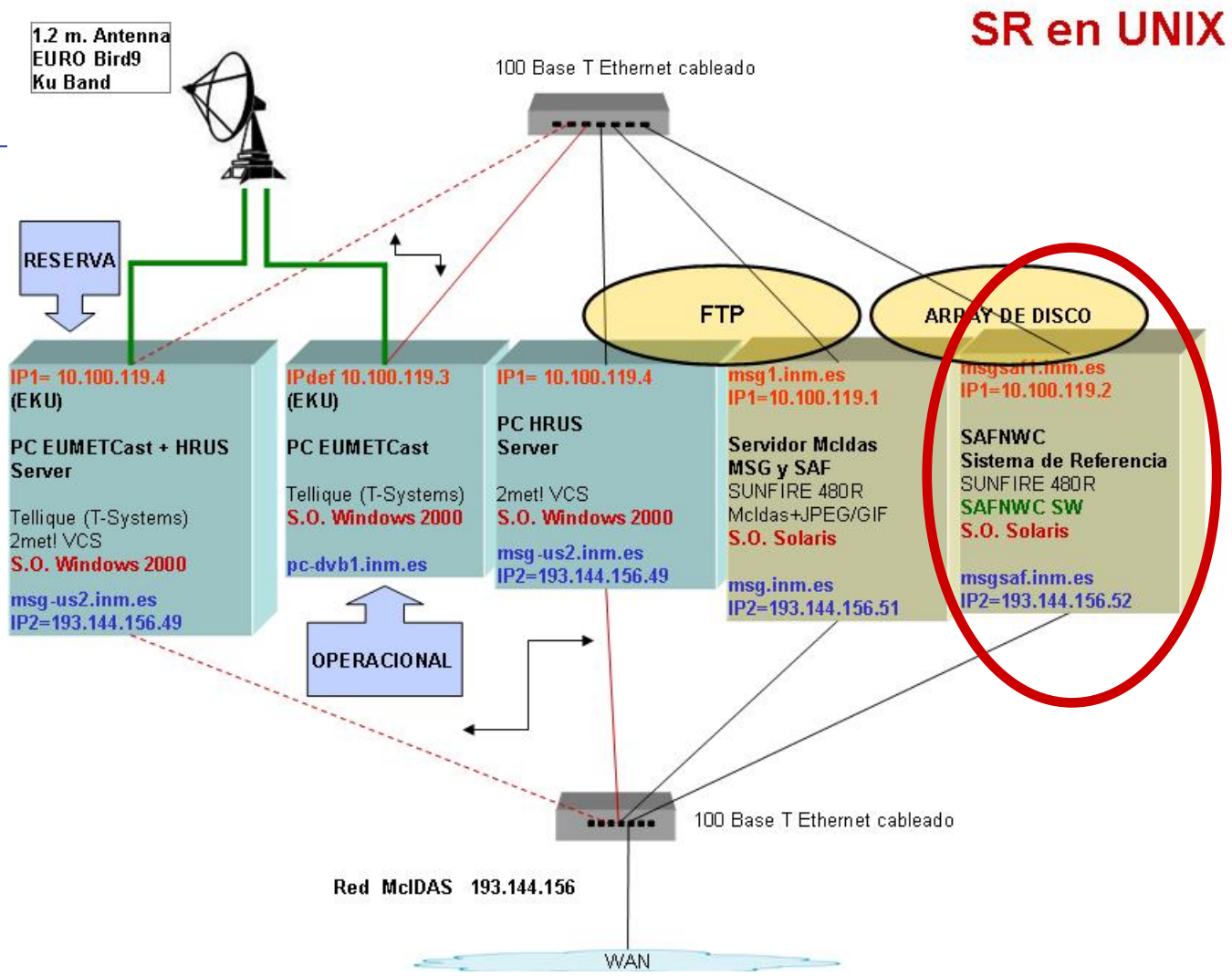
2010 Users' Workshop, Madrid 26-28 April 2010

P. Fernández

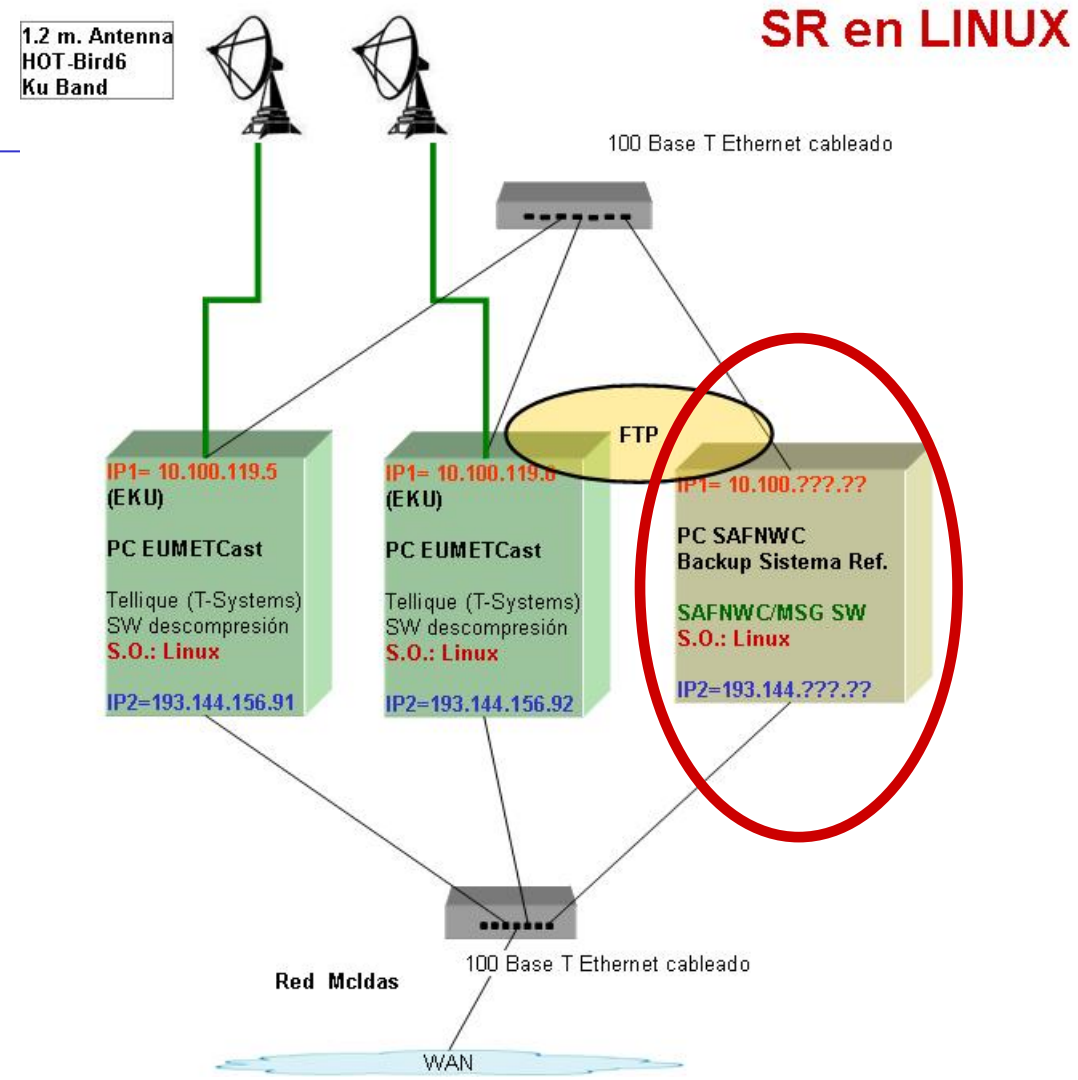
Reference System

- Platform in AEMET premises where SAFNWC/MSG last version is running routinely
- Intended to assure the operations of the SW package during the life of the project
- Updated SW packages are installed, monitoring the functionality and maintaining the external interfaces
- The output of this activity is half yearly Reports
- Product outputs are displayed in the Help Desk

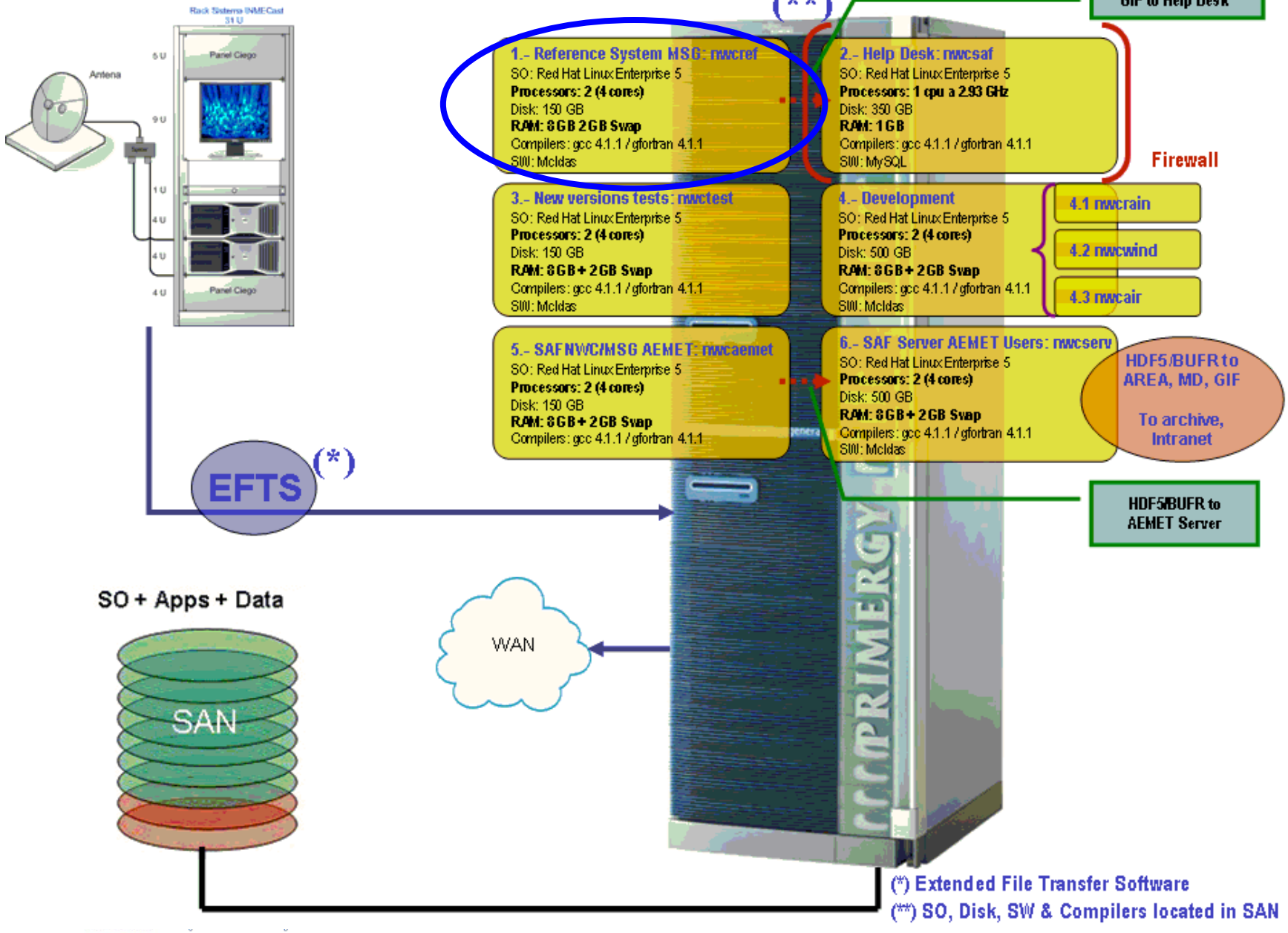
Reference System Operational



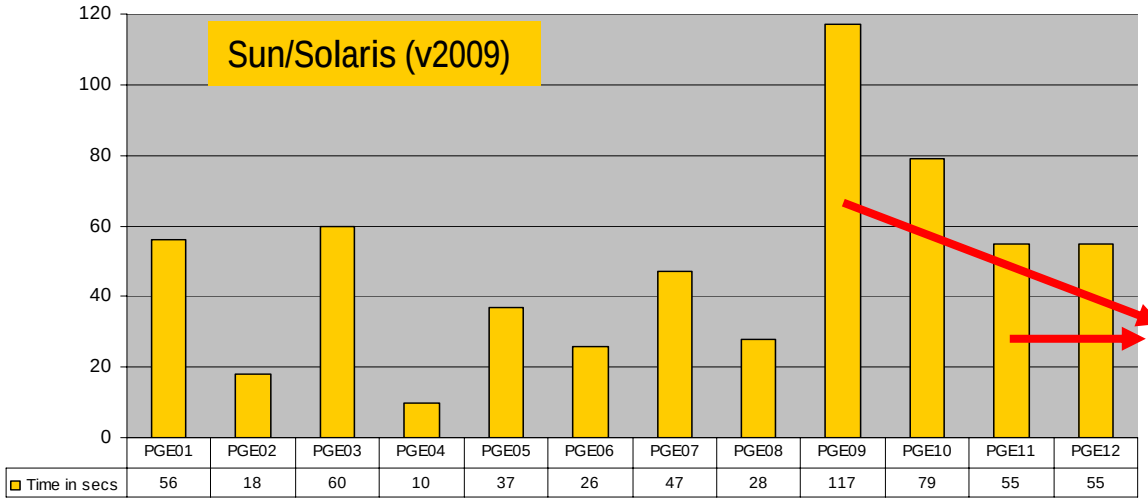
Reference System Backup

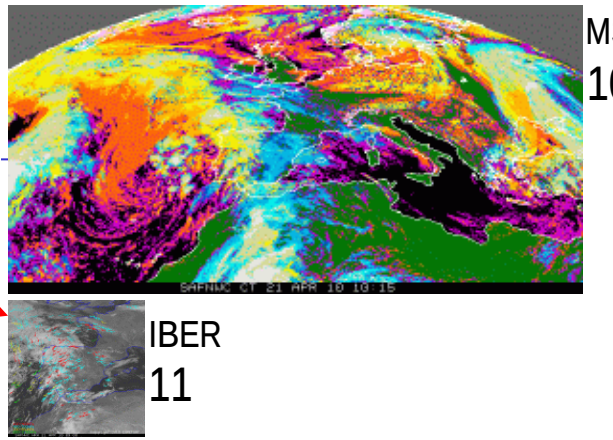


SAFNWC Blade Frame Scheme



Mean Execution Time

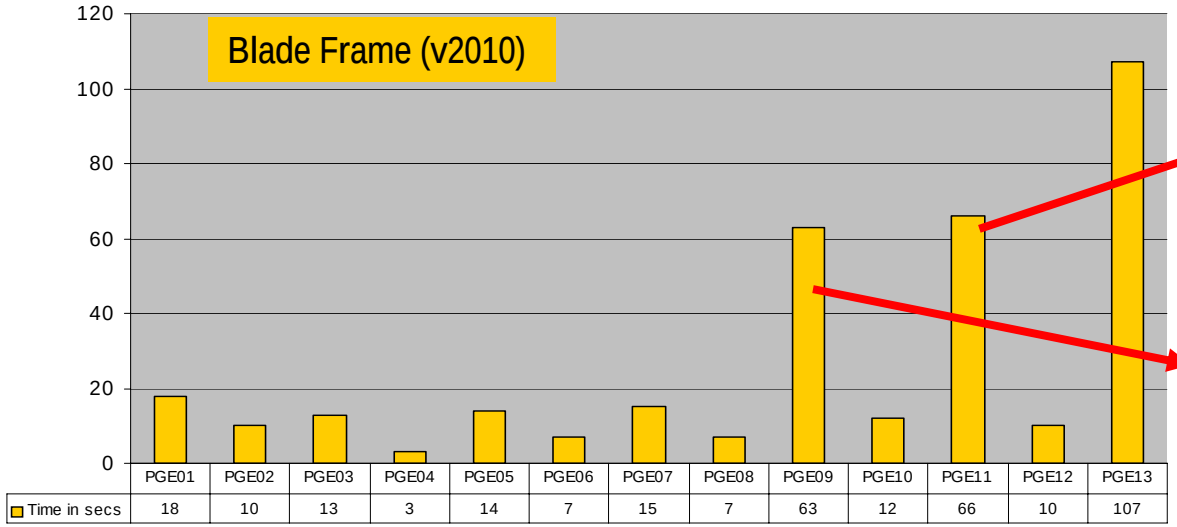


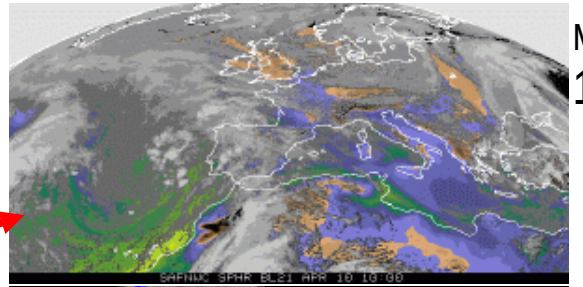


MSG-B
10

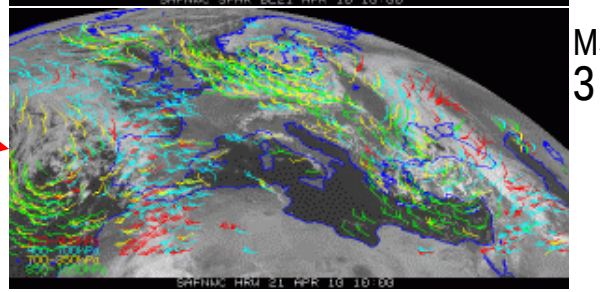
IBER
11

Averaged time: 9.8 min.





MSG-B
12



MSG-BD
3

Averaged time: 5.8 min.

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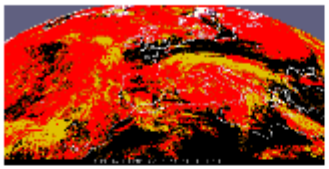
AEMet
Agencia Estatal de Meteorología

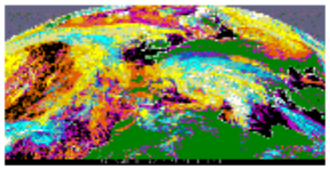
MSG Reference System Outputs

Cloud Products

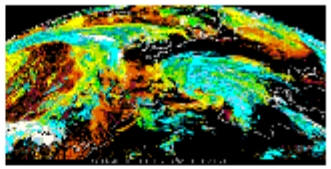
PGE01 (CMa) Cloud Mask



PGE02 (CT) Cloud Type

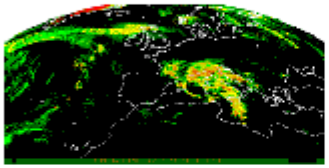


PGE03 (CTTH) Cloud Top Temperature & Height

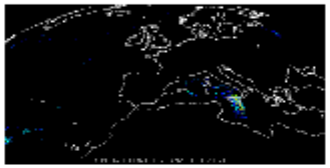


Precipitation & Convection Products

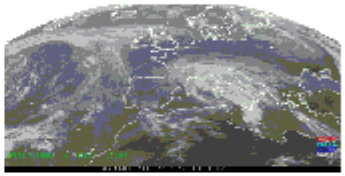
PGE04 (PC) Precipitating Clouds



PGE05 (CRR) Convection Rainfall Rate

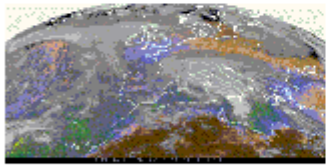


PGE11 (RDT) Rapid Developing Thunderstorms

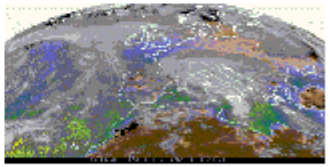


Clear Air Products

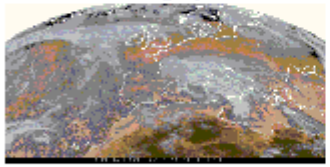
PGE06 (TPW) Total Precipitable Water



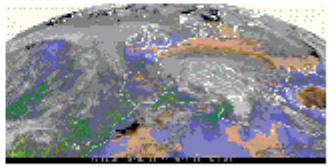
PGE07 (LPW) Layer Precipitable Water



PGE08 (SAI) Stability Analysis Imagery

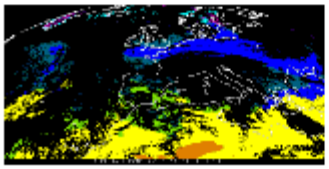


PGE13 (SPhR) SEVIRI Physical Retrieval

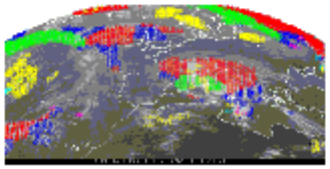


Conceptual Model and Winds Products

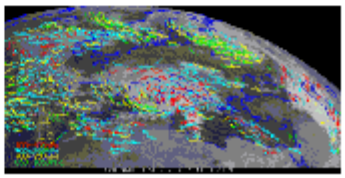
PGE12 (AMA) Air Mass Analysis



PGE10 (ASII) Automatic Satellite Image Interpretation



PGE09 (HRW) High Resolution Winds



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Conclusions

- The Reference System has been running in AEMET premises from the start of the Operations
- The migration to the new Blade Frame system is on going
- The migration testing period is being successful
- A faster execution of the PGEs has been proved in this new environment

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Thanks for your attention