



METEOROLOGICAL SATELITES activities of KYRGYZHYDROMET

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ALISA-Satellite Complex

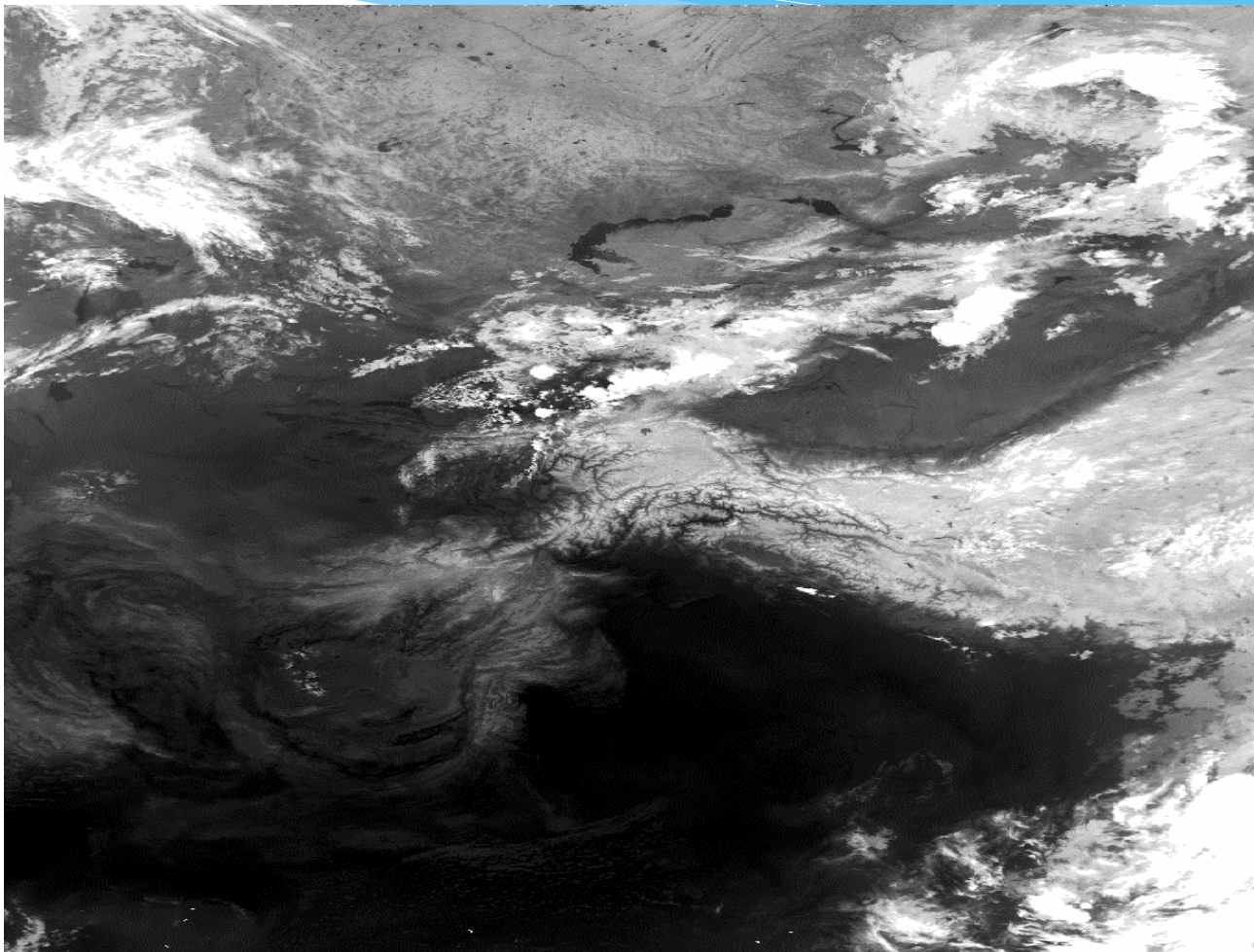


AliceReceiver v.2 application designed to manage receiving stations such as Alice-SK development and production of ScanEx, which, in turn, are designed to receive data from meteorological satellites NOAA, Metop-A, FENGYUN 1D.



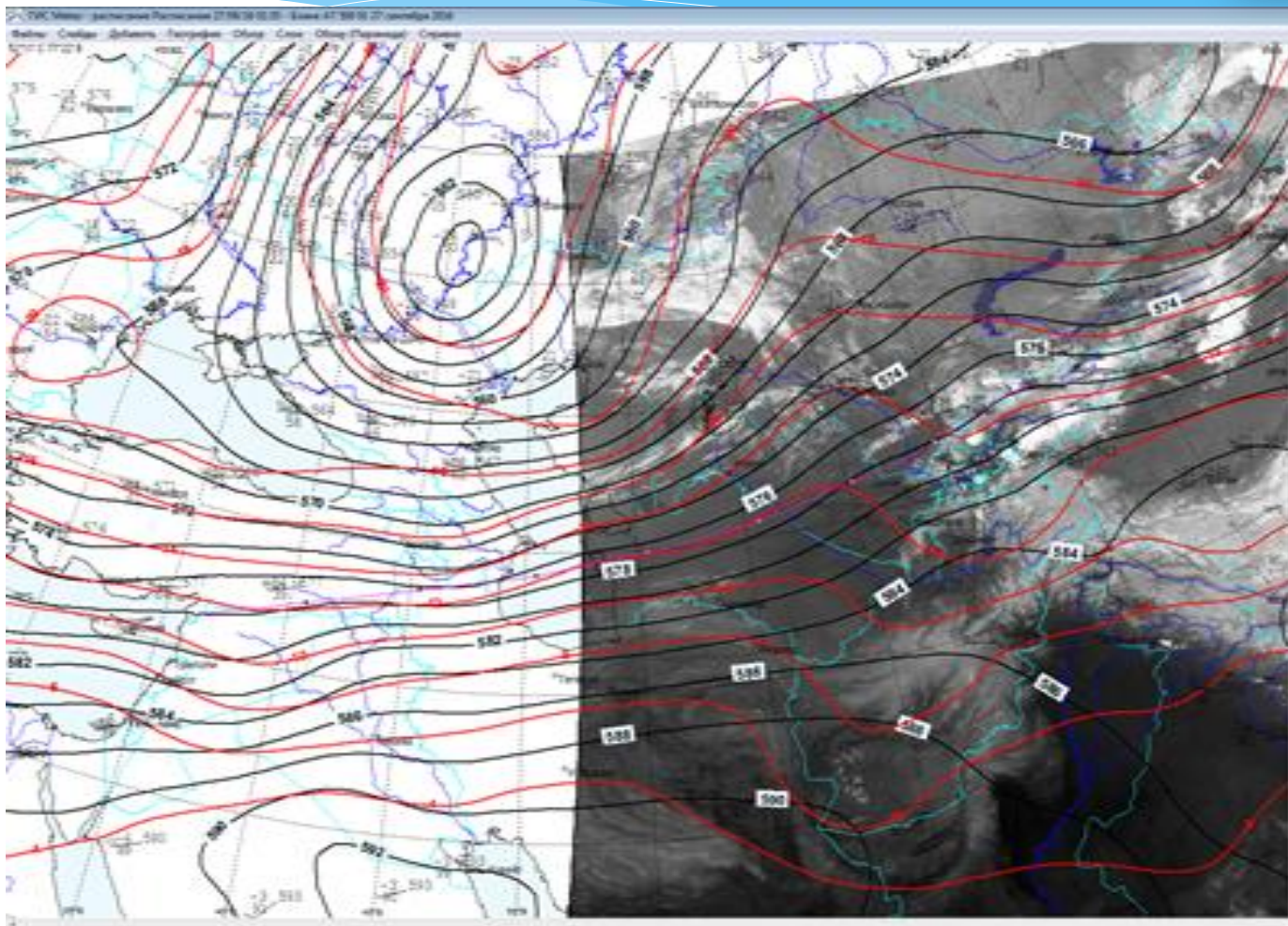


The picture from the satellite NOAA 19





NOAA 19's picture in use of drafting weather forecast





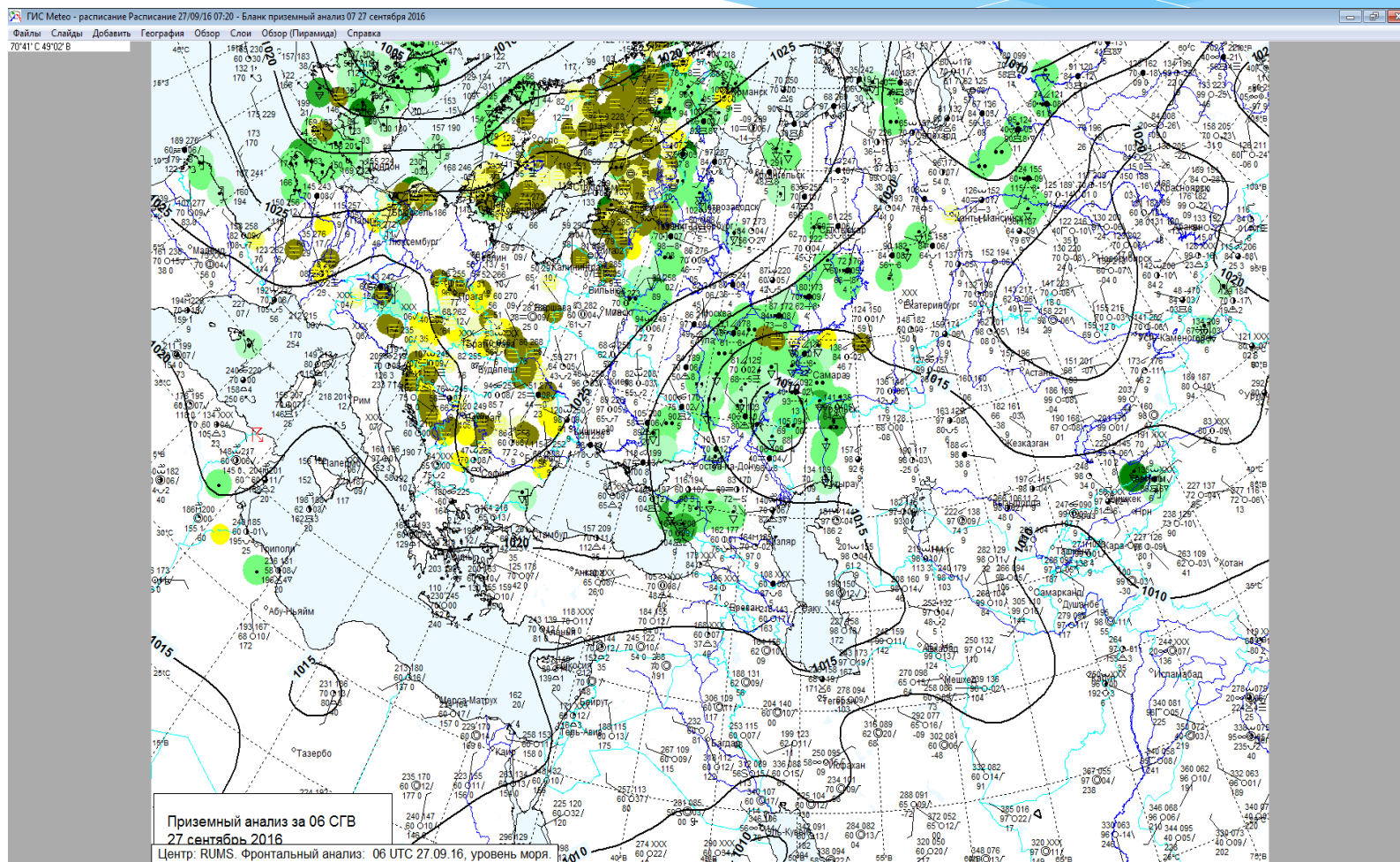
MITRA



- * Using the multifunction Meteorological Complex (MMK) "MITRA", currently in operational work of Kyrgyzhydromet for the receipt and transmission of hydro-meteorological information, improve the quality of services as a consequence of the possibility of obtaining more information for the production of various types of forecasts.
- * One of the major problems to be solved "MITRA", is to implement new protocols and methods guaranteed (highly reliable) data delivery, the possibility of effectively using IP-based networks on the basis of digital (wired, fiber optic, satellite) channels of communication, cellular and satellite mobile communication networks.



Visualization of data obtained through the content distribution system MITRA, using the system GISMETEO





SADCA (EUMETCAST)



Satellite Antenna

Offset-fed parabolic dish:

Minimum diameter for most locations is 1.0m pointed at EUTELSAT9A

Low-noise universal dual LNB

if the antenna is shared with other reception equipment (e.g. a RETIM reception station) then a universal quad LNB is recommended

Antenna cables

2 high-quality, low-loss, shielded coax cables one for each receiver (if two DVB receivers are available)

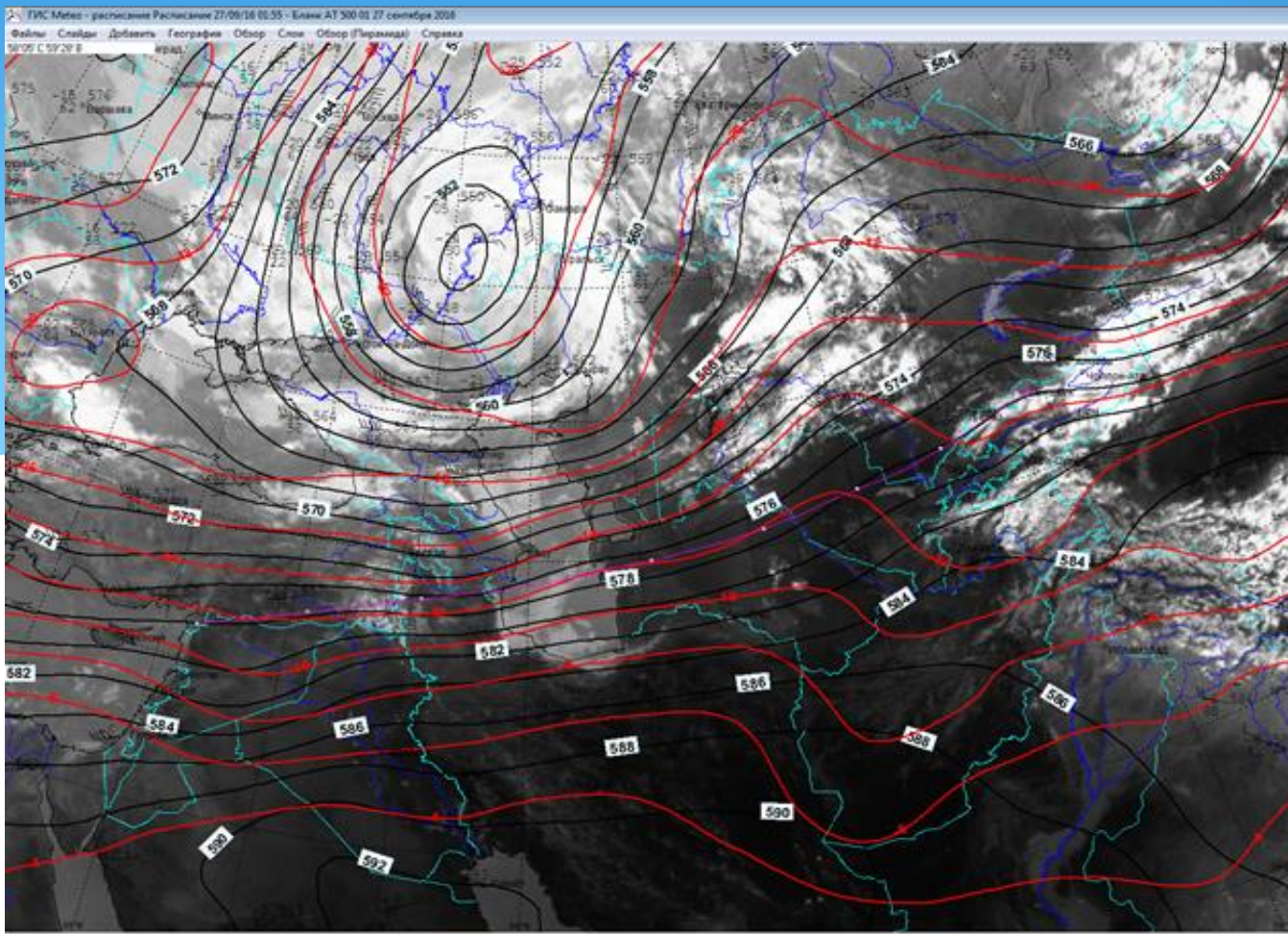
Heating element (optional)

Lightening protector (optional)



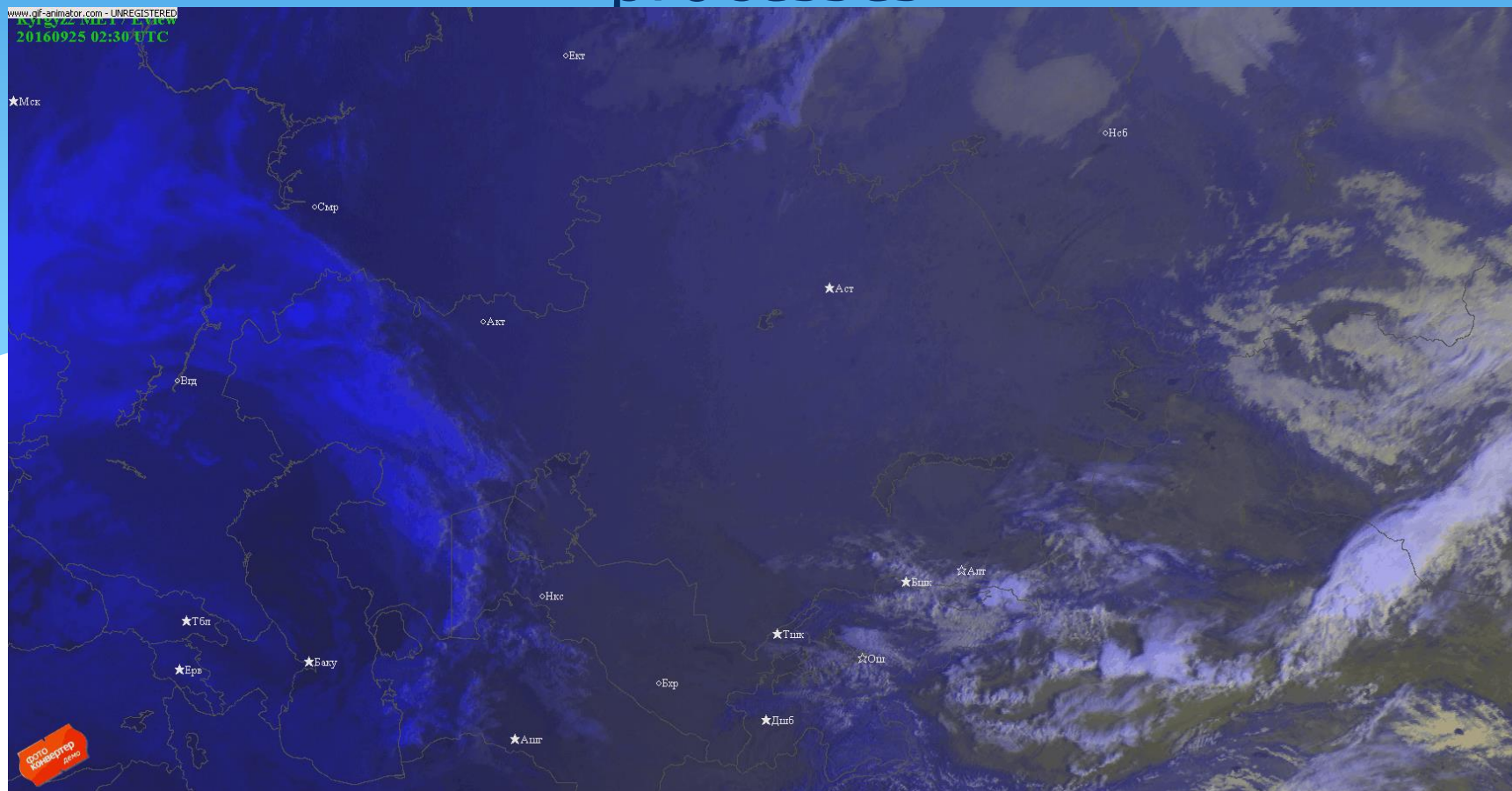


Using the METEOSAT 7's image and GISMETEO system data in the preparation of the weather forecast





Visualization images METEOSAT7 satellites by TMETVIS program for tracking changes in synoptic processes



CMA's Broadcast System for Meteorological CMACast Data



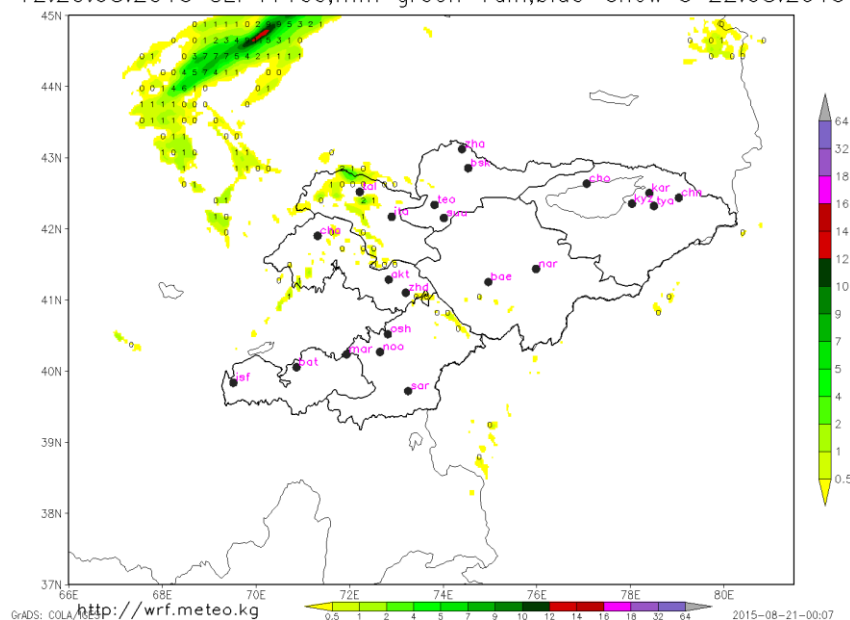


Comparing WRF model simulation results with actual satellite data

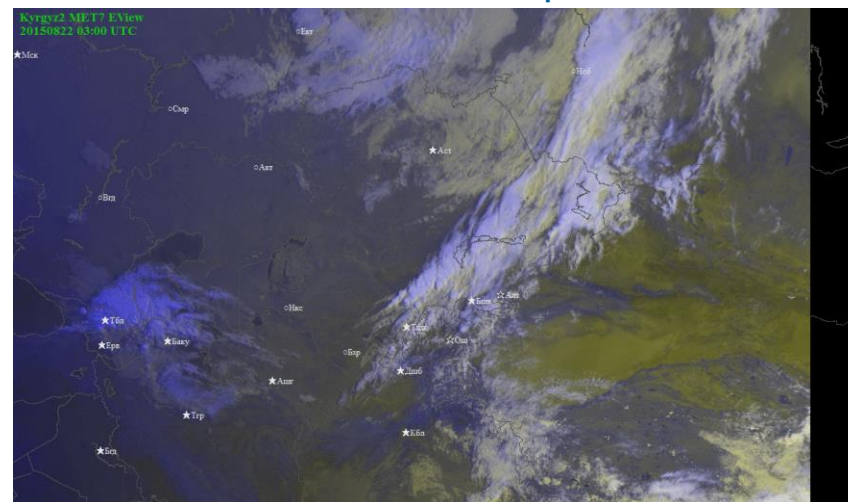


Period of 03:00 pm 22.08 – 03:00 pm 23.08

12.20.08.2015 SLP+Prec,mm green—rain,blue—snow 3 22.08.2015

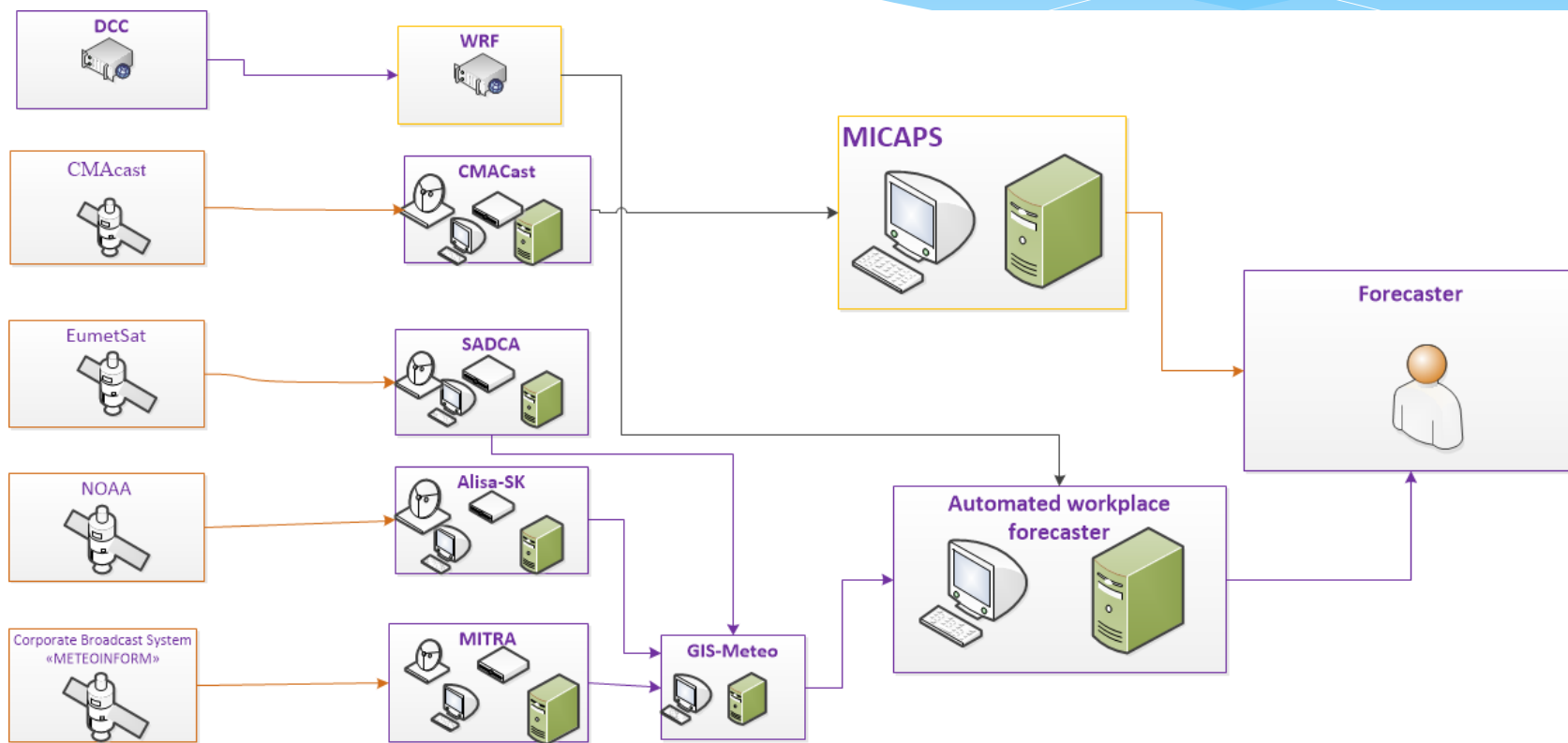


METEOSAT7 satellites pictures





Reporting information system to the forecaster



Thank you for attention!