UTILIZATION OF ATOVS DATA IN NUMERICAL WEATHER PREDICTION AT CPTEC

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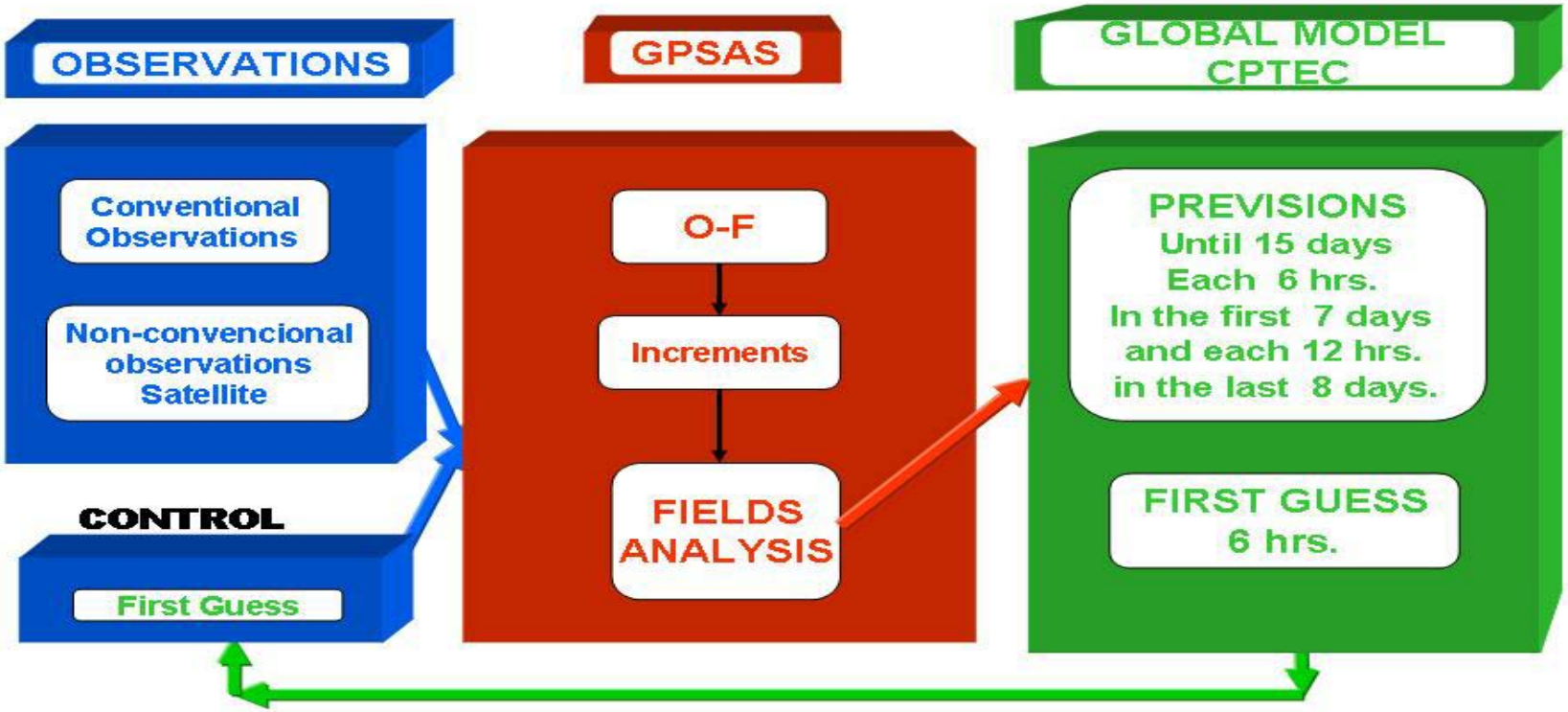
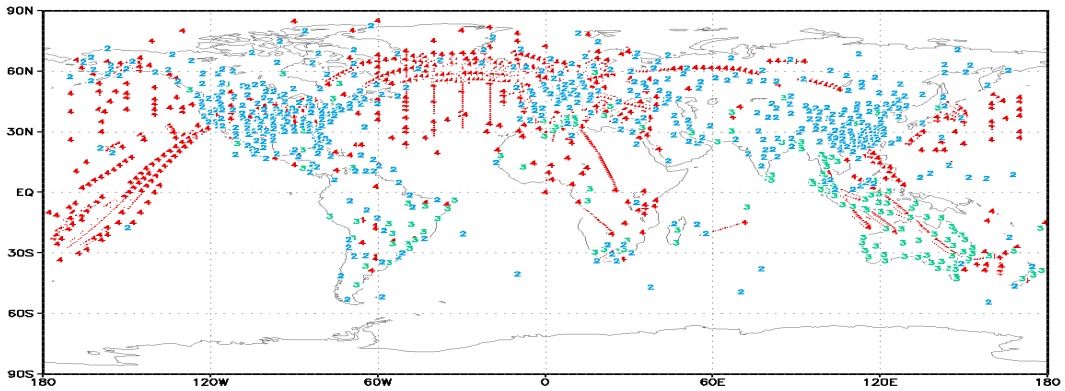
PHYSICAL-SPACE STATISTICAL ANALYSIS SYSTEM - PSAS

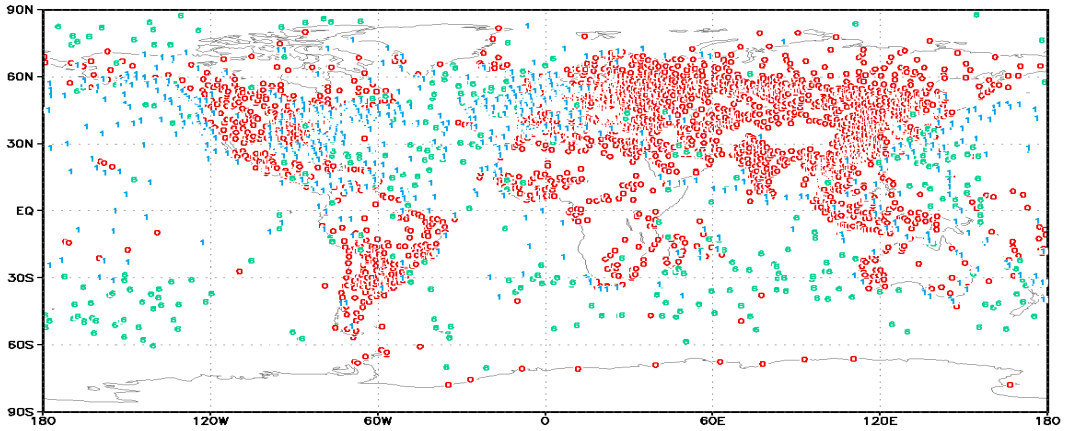


CONVENTIONAL DATA

UPPER AIR DATA
Temp, airep, etc

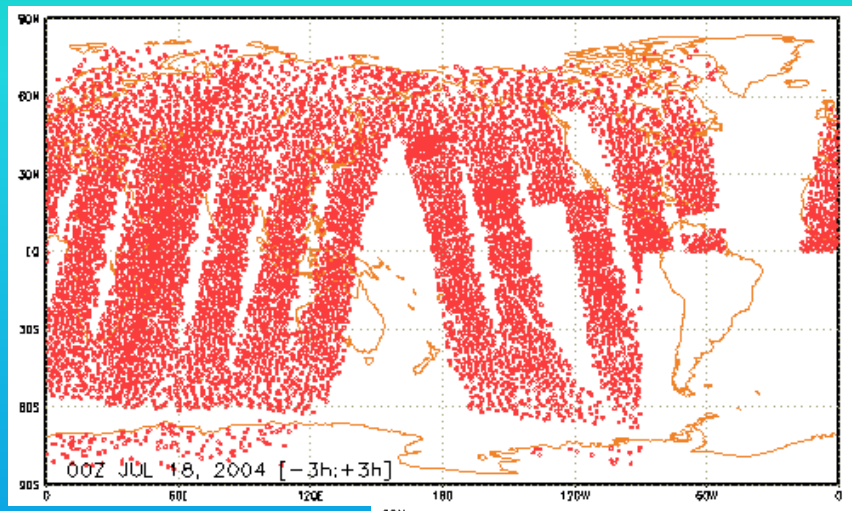


SURFACE DATA
Ships, synop, etc

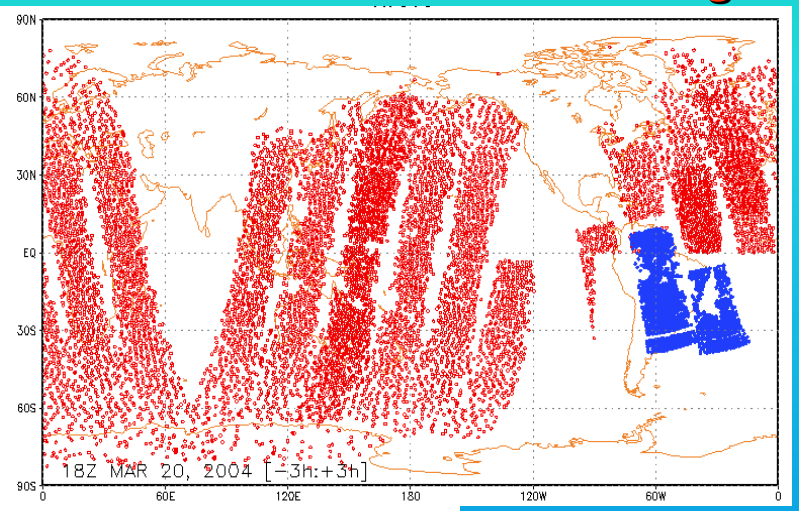


DATA ATOVS

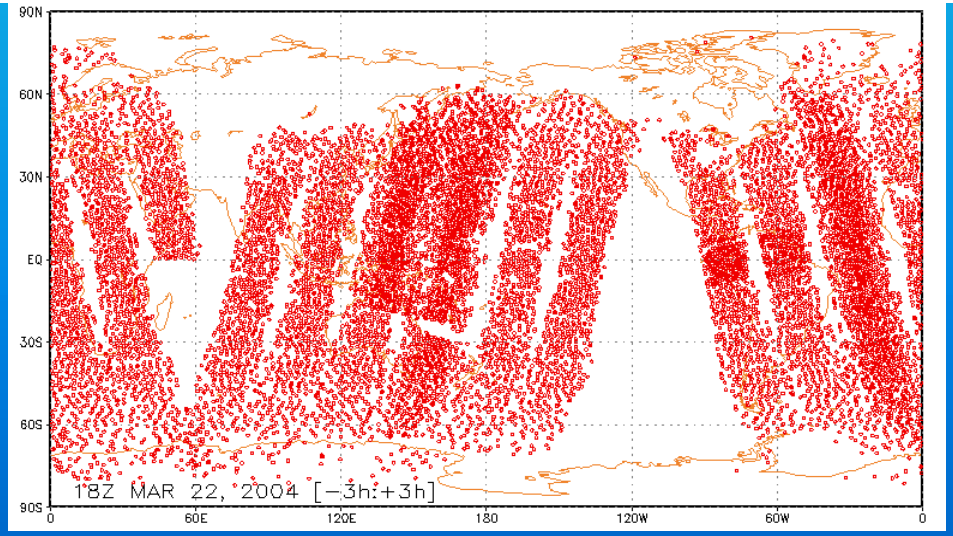
GTS



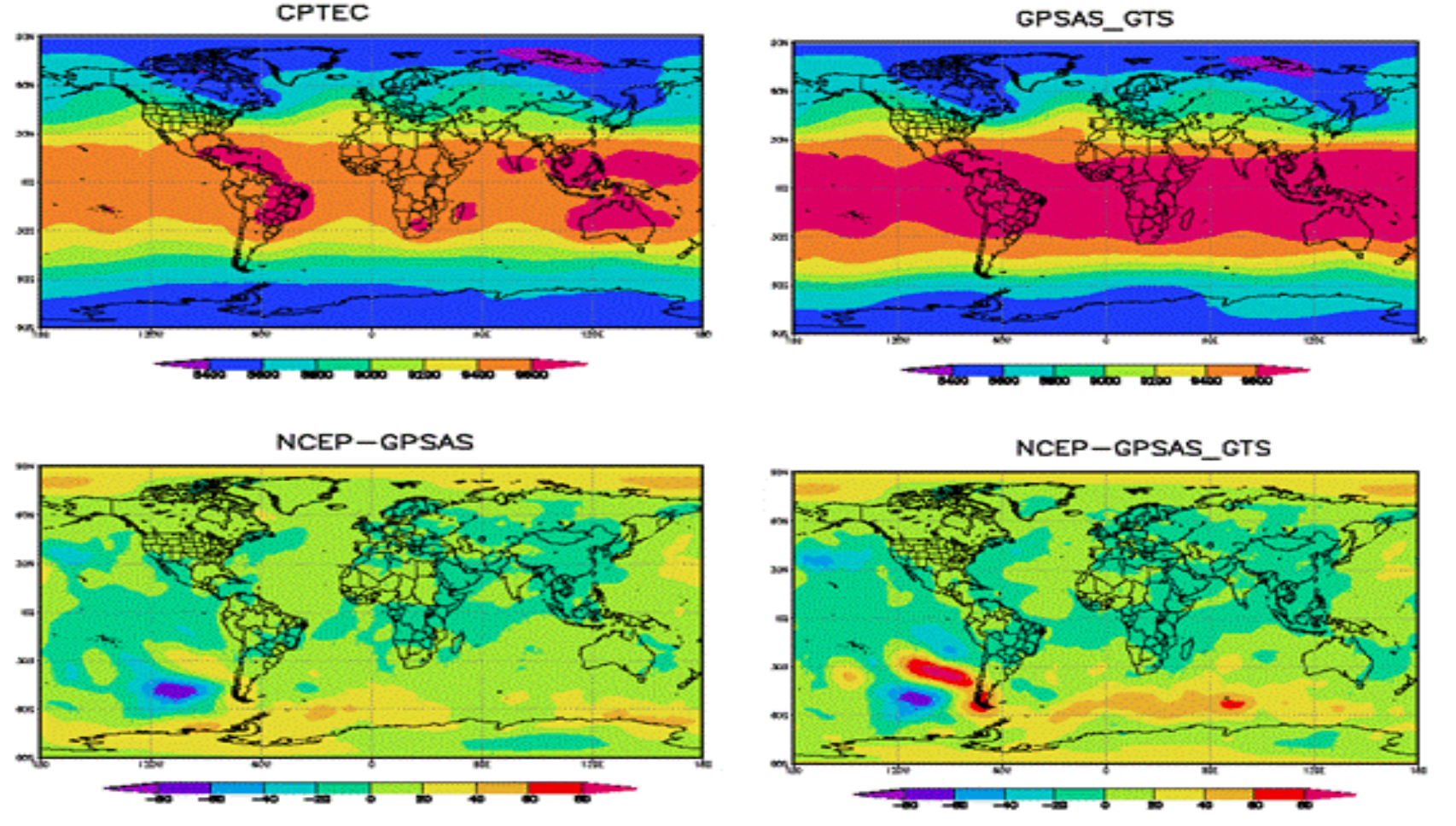
GTS + Local Processing



NESDIS

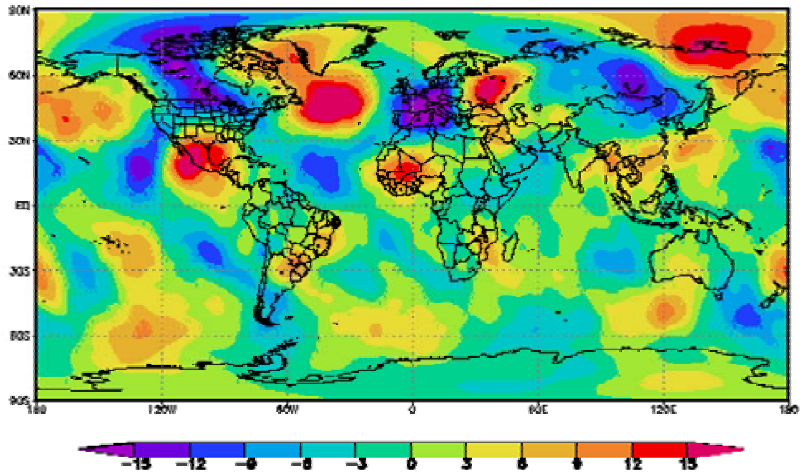


GEOPOTENTIAL HEIGHT 500 hPa

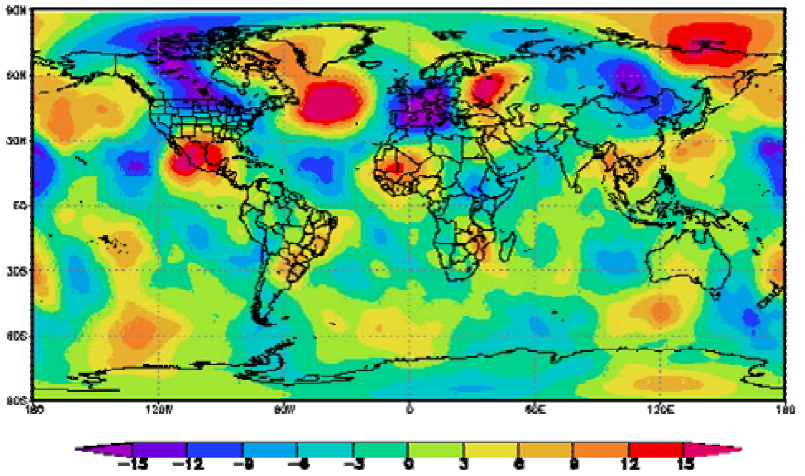


MERIDIONAL WIND 300 hPa

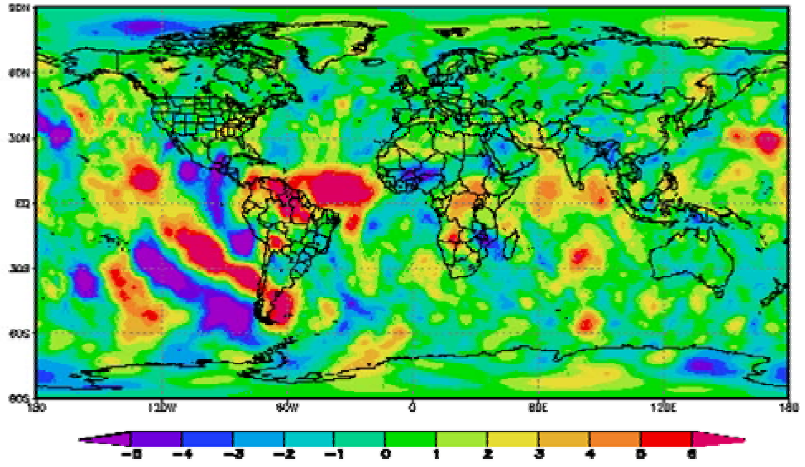
GPSAS_GTS



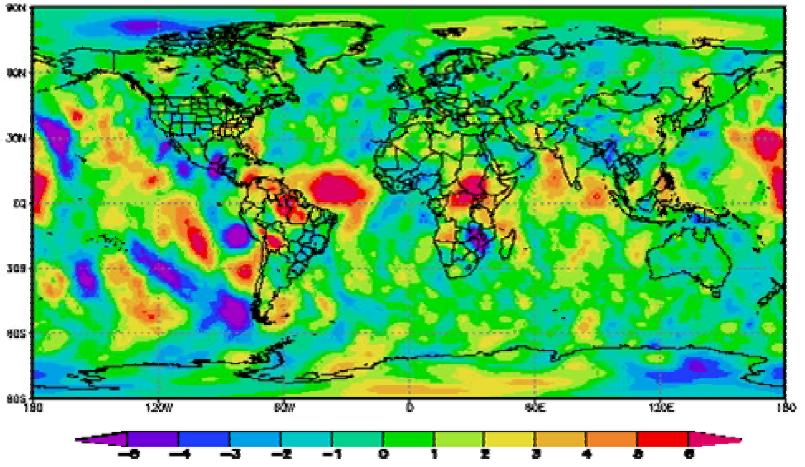
GPSAS



NCEP−GPSAS_GTS



NCEP−GPSAS



CONCLUSIONS AND COMMENTS

- In the South Hemisphere the data Satellite is a good alternative.
- The data ATOVS is using in us System Assimilation.
- Looking to use another products of satellite.

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