"regional subset (wgrib2 –small_grib)" minus "original GRIB2 global file"
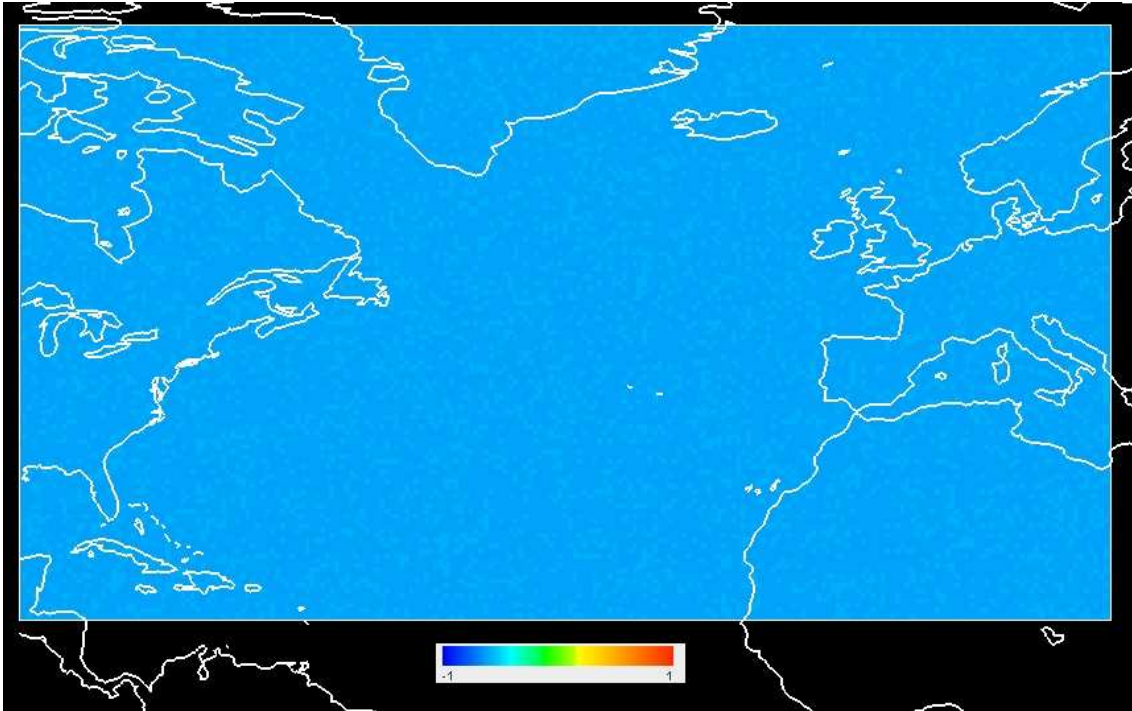
Surface Pressure field

GRIB2 files

truncation errors about -0.6Pa

Output from WPS-metgrid

differences about -0.6Pa

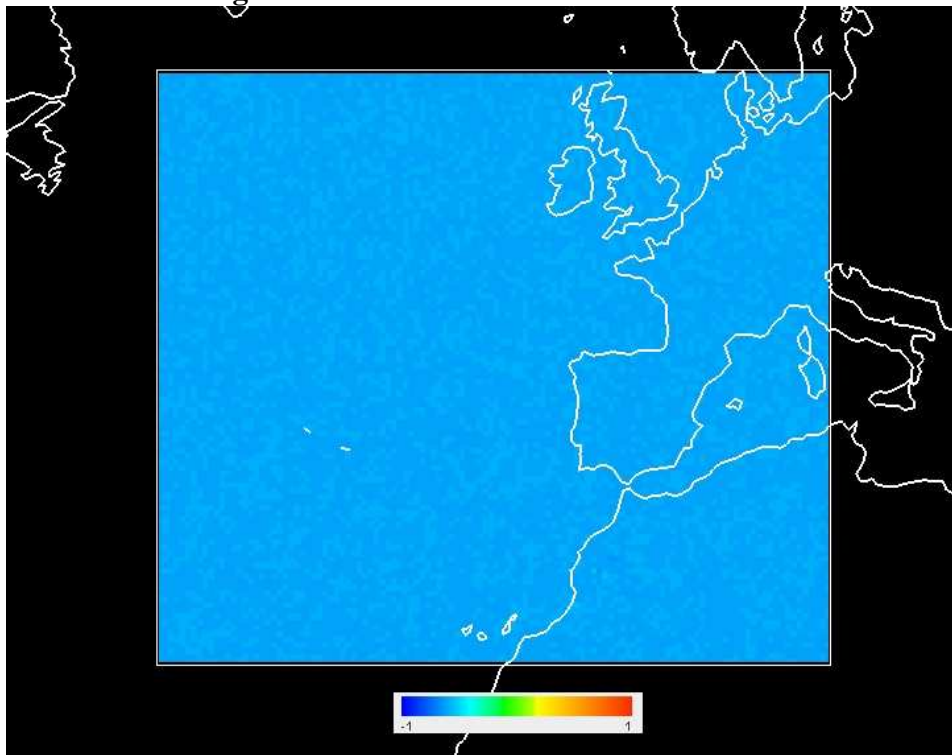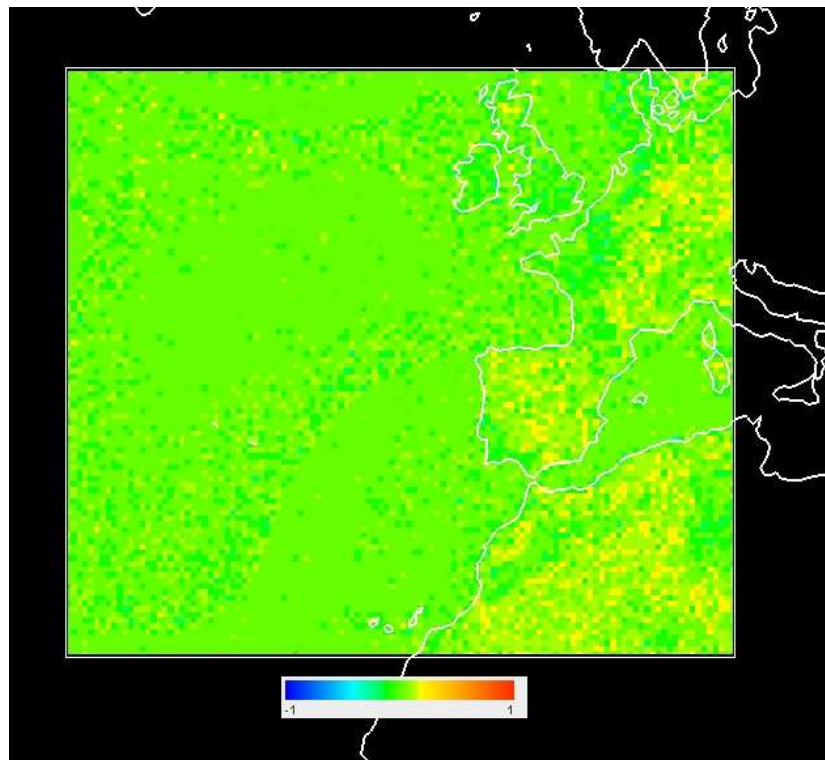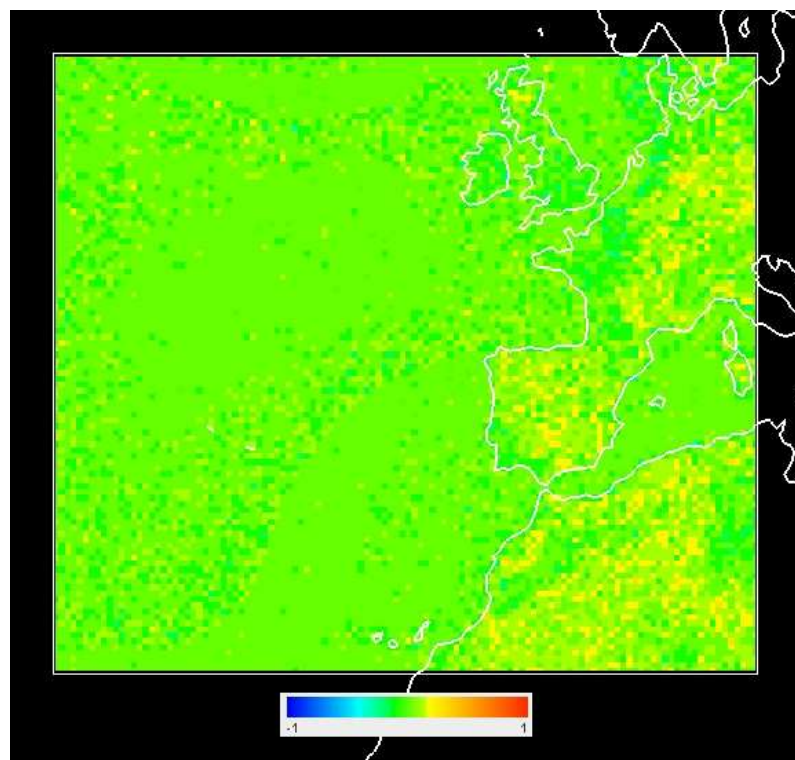**"regional subset (wgrib2 –small_grib)" minus "original GRIB2 global file"**

Output from WRF-real (wrfinput_d01 file)

differences between -0.3 and 0.3 Pa (a sign change occurs in many points)
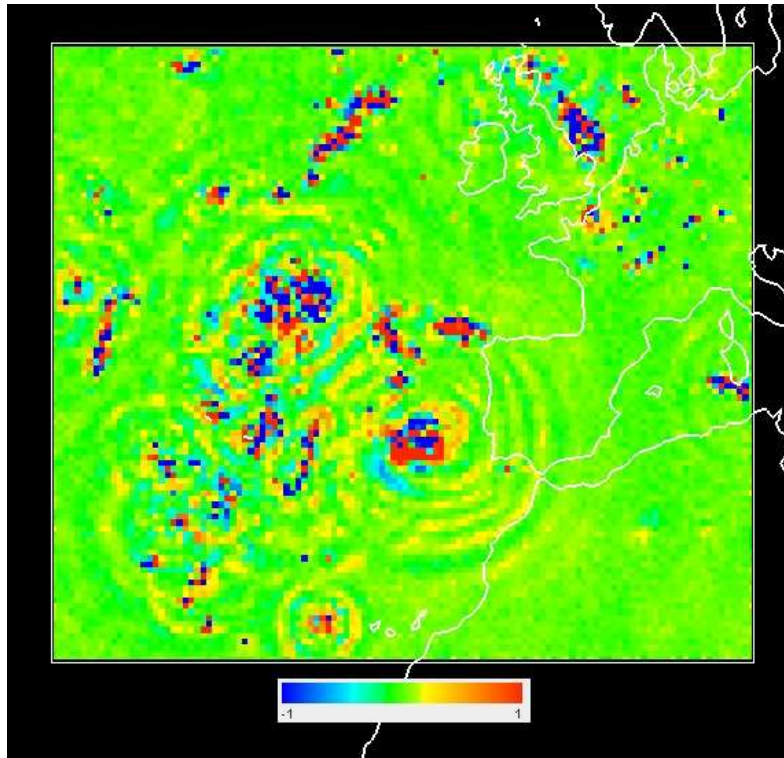
Output from WRF-ARW (wrfout) – Forecast time: 00HR

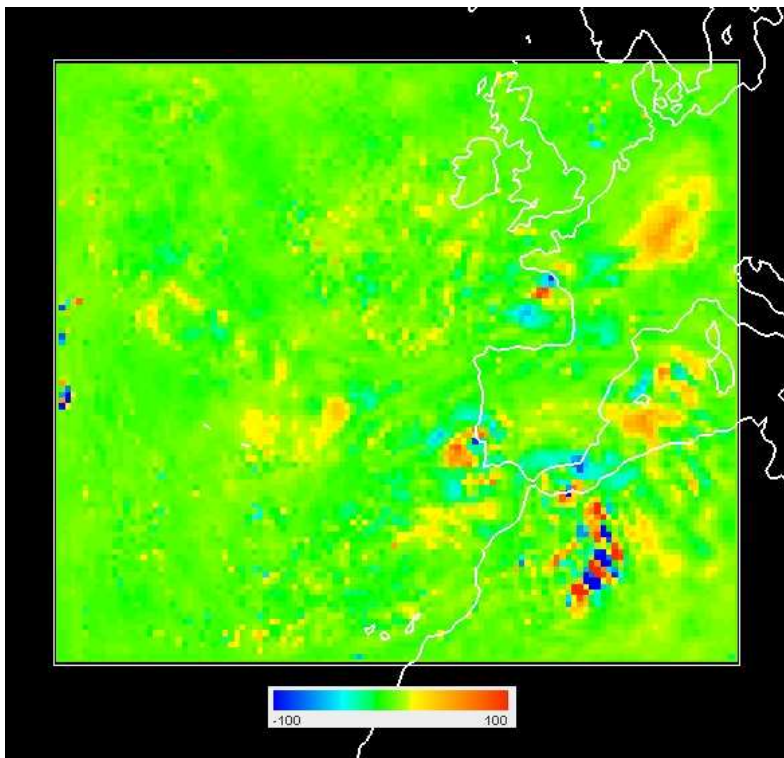differences between -0.3 and 0.3 Pa (the same as in the step before)

"regional subset (wgrib2 –small_grib)" minus "original GRIB2 global file"

Output from WRF-ARW (wrfout) – Forecast time: 03HR

differences growing up to 1Pa

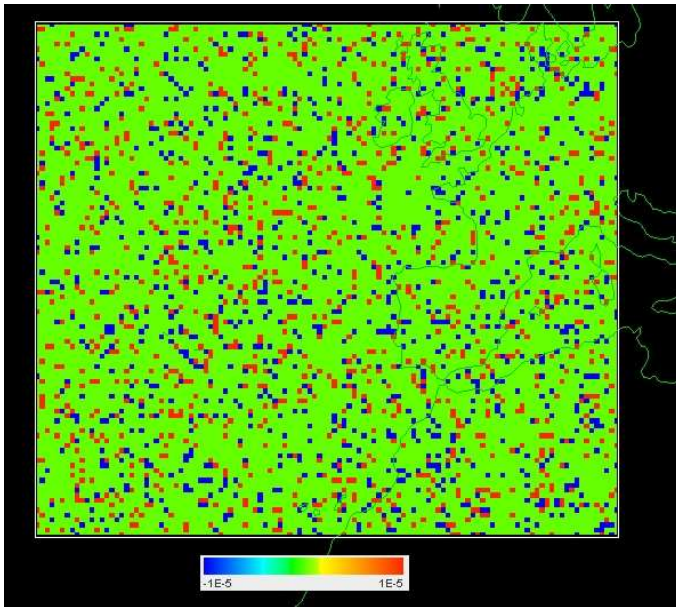**Output from WRF-ARW (wrfout) – Forecast time: 96HR**

differences growing up to 100 Pa (1 mb) [WARNING: scale changes]
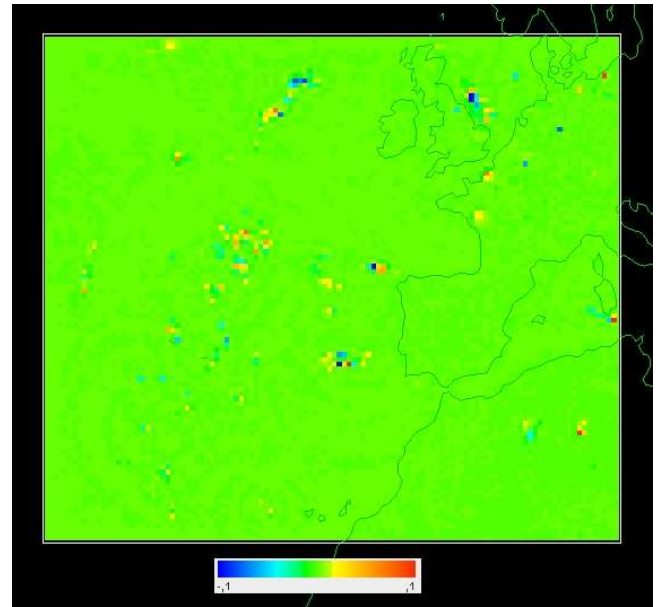
"regional subset (wgrib2 –small_grib)" minus "original GRIB2 global file"
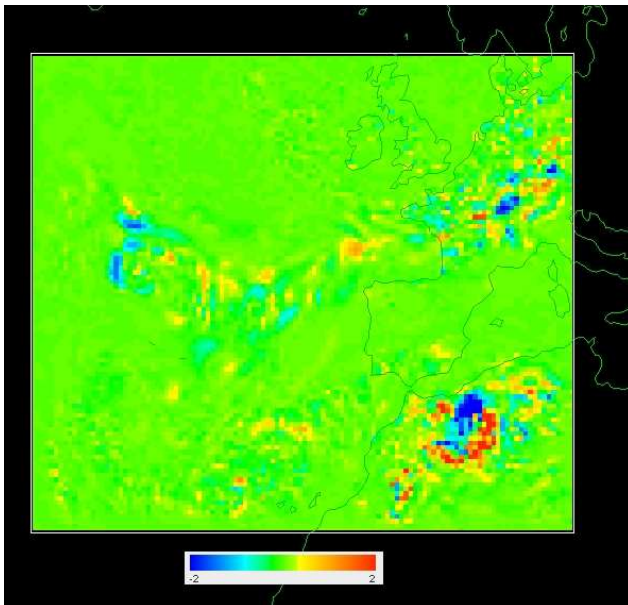
Temperature at 2m field

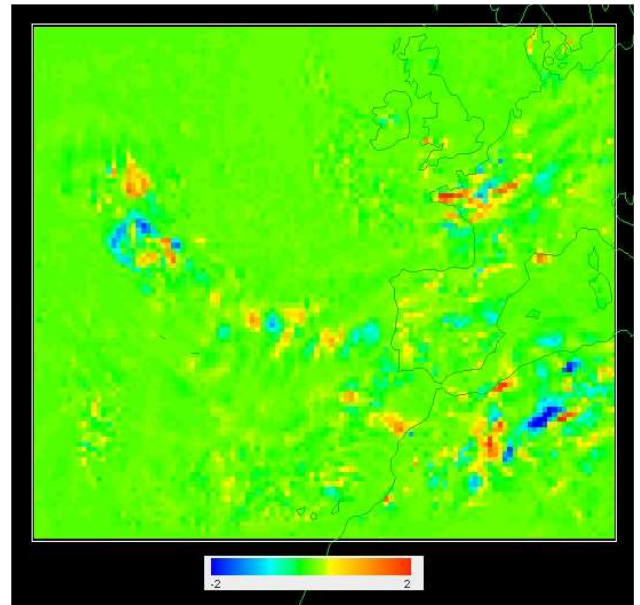**Output from WRF-ARW (wrfout_d01 file)**

Forecast time: 00hr
Differences about 10^{-5} K

Forecast time: 03hr
Differences about 0.1 K

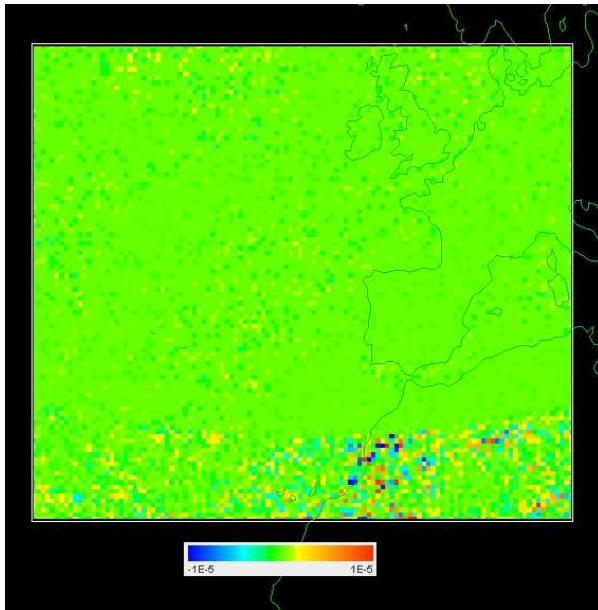**Forecast time: 84hr**
Differences about 2 K

Forecast time: 96hr
Differences about 2 K

"regional subset (wgrib2 –small_grib)" minus "original GRIB2 global file"

Wind at 10m field

Output from WRF-ARW (wrfout_d01 file)

Forecast time: 00hr
Differences about 10^{-5} m/s
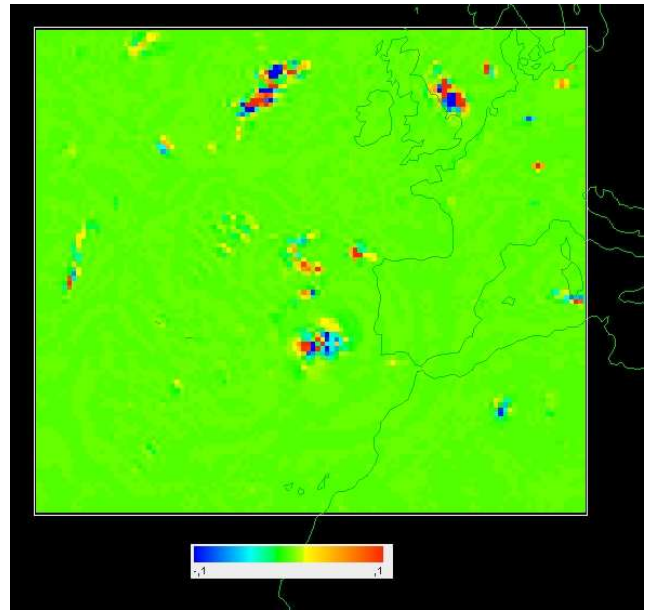
Forecast time: 03hr
Differences about 0.1 m/s
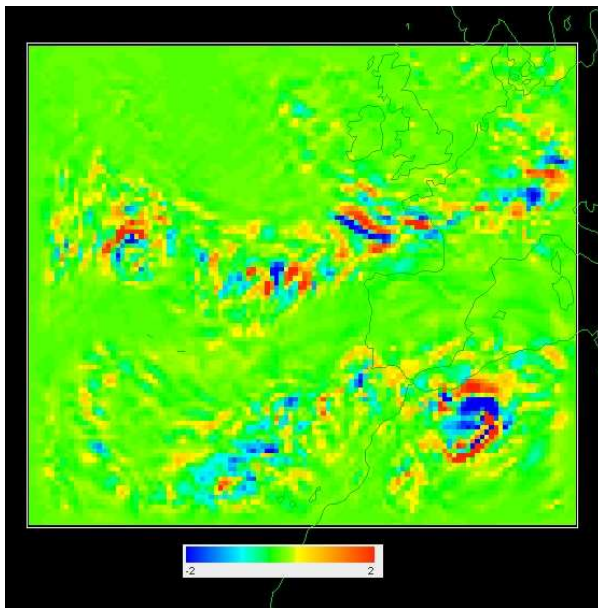
Forecast time: 84hr
Differences about 2 m/s

Forecast time: 96hr
Differences about 2 m/s