Status of ALADIN operational activities at SHMU (changes between 09/2006 and 02/2007)

HARDWARE

- Computer [no change]:
  - ➔ IBM Regatta
  - ➔ 32 CPUs of 1.7 Ghz
  - ➔ 32 GB RAM
  - ➔ 1.5 TB disk array

- Archiving facility [no change]:
  - ➔ IBM Total Storage 3584 Tape Library with IBM Tivoli Storage Manager
  - ➔ current capacity of tapes around 24 TB
  - ➔ used for automatic backup of ICMSH files, GRIBs and selected products

OPERATIONAL SUITE

- Domain and geometry [no change]:
  - ➔ 309 x 277 points (C + I zone)
  - ➔ dx = 9.0 km
  - ➔ quadratic truncation
  - ➔ envelope orography
  - ➔ 37 vertical levels

- Operational model version [no change]:
  - ➔ al28t3 with "czech physics"

- Integrations [no change]:
  - ➔ 4 runs per day (00, 06, 12 UTC up to 72 hours, 18 UTC up to 60 hours)

OTHER OPERATIONAL ACTIVITIES

- INCA T2m analysis is operational, precipitation analysis is in preoperational mode. After interfacing with new raingauge database it will be run operationally.

- Operational implementation of upper air blending is being finalized, parallel suite should follow.

- Conversion of TEMP observations into OBSOUL format is working technically, it should be run operationally within few days.

- Backup latlon GRIBs for ZAMG (provided 2x per day) were prolongated to 72 hours.

- Selected fields from ARPEGE, ALADIN/AT, CZ, HR, HU, SI, SK and DWD/LM are visualized on RC LACE web page.

PORTING STATUS

ALARO-0 minus 3MT was ported, validations are going on.

ARPEGE LBC DOWNLOAD

Both assimilation and production LBC are downloaded 4 times per day. Primary channel is internet/BDPE. Backup of production LBC is done via ECMWF and ZAMG, backup of assimilation LBC is still missing.

PLANS

- Operational switch to upper air blending.

- Operational switch to ALARO-0 minus 3MT.

- Increased number of vertical levels, switch to mean orography.

- Operational implementation of INCA precipitation nowcasting.