STATUS OF OPERATIONAL APPLICATION IN BULGARIA

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- During the autumn of 2005, the porting of the export of cy29t2 was done. The installation was done only for the model part, thus the routines concerning ODB were removed from the pack, leaving only the *.h files. There were no serious problems during the porting, but more or less usual things:
- misplaced declarations, duplicate declaration, old way of initialising of character variables, using Hollerit notation and so on.
- In xrd/svipc/svipc.c were added definitions for MIN and MAX under ifdef LINUX.
- Compilation was done, using gmkpack and Intel compiler v 9.0.
- For loading the wrapper sld, which emulates the vpp incremental loader was used.

- Since December cy29t2 was put to parallel suite
- Successful switching to the new coupling and climatology files happened on 30 of January 2006. It might happen earlier, but there were some problems with climatology files for the integration domain.
- AL29T2 was upgraded to AL29T2_OP2 and put to parallel suite.
- Later in became operational.
- New integration domain with approximately same size, but with higher resolution was implemented. Domain characteristics are like follows:
- NDLON = 144; NDGLG = 108; NDLUXG = 122; NDGUXG = 92, linear grid

- Horizontal resolution 9 km, time step – 400 s.
- Coordinates of the centre: ELONC = 25.5 ; ELATC = 42.75
- At 17 of April this domain became operational
- New parallel suite was constructed for the 72 h forecast. The system again is based on shifted forecast, but the initial condition is the 6h ARPEGE forecast (12 h before). Thus initial time for each run became 06 and 18 UTC.