

Implementation of IFS Cycle 15r7

Description of the upgrade

Model cycle 15r7 was introduced in both the T213 L31 10-day forecast and the EPS
The main features of the new cycle are:

- a two-time level semi-Lagrangian scheme
- advection cloud variables
- changes in the snow albedo, expected to reduce the cold bias in 2m temperature in spring
- change to the humidity analysis to eliminate unrealistic drying of the extra-tropical lower stratosphere
- change to the use of SSM/1 sea ice data to eliminate erroneous sea points over permanent ice
- minor change to the model orography and slight adjustments to other fixed surface fields.



Implemented: **10 December 1996**

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