

FIM update

Implemented 00z 16 Nov 2011

- Significant improvement in FIM skill

Main features

- Revision to vertical regridting – reduction in noise in output
- Application of momentum diffusion, stronger at top of model

7-day 500 hPa anomaly correlation 1 Aug – 31 Dec 2010, 135 cases

	N. Hemis 20-80N	S. Hemis 20-80S	Arctic 70-90N	Antarctic 70-90S
Real-time FIM prior to Nov 2011	72.43	64.80	64.12	44.76
New version of FIM – starting 16 Nov 2011	73.46	65.66	66.66	46.97
GFSDC	72.90	65.20	65.49	44.46

Verification against GFS analyses, GFS used for initial conditions