

Change log for GHG forecast CY38R1 (fr65)

The MACC NRT high resolution CO2 forecast (experiment **fr65**) was started on 2012-10-01 initialized from the lower resolution forecast fqew. Main features are:

- runs in near-real-time
- 120 h long forecast from 00UTC
- IFS cycle 38R1
- Coupled to CTESSEL Net Ecosystem Exchange surface fluxes.
- EDGARv4.2 anthropogenic emissions - scaled from 2008 with estimated and climatological trends.
- GFASv1.0 fire emissions
- Takahashi et al. (2009) CO2 air-sea CO2 flux climatology.
- IFS model resolution T1279L91
- operational meteorological analysis resolution
- time period 20121001 -
- branch: paf_CY38R1_RELAX_MACC_FC_COUPLEDWITHCTESSEL

Changes introduced during production affecting the quality of the products

real date	exp date	description of change
20121005	20121001	Start of high resolution NRT CO2 FC
20130110	20130105	Change in experiment lag: running in the afternoon (after DCDA analysis is complete) instead of morning (after completion of early delivery) and it runs one day behind in order to be able to use the GFAS fire emissions from the same day. Previously it run in real time but it had to get the fire emissions from the previous day.
20130110	20130105	Change of meteorological analysis: use of the delayed mode analysis (DCDA) instead of the early delivery (DA).
20130201	20130131	Change host from c1a to c2a: same branch with some script modification to adapt CY38R1 (branch: paf_CY38R1_RELAX_MACC_FC_COUPLEDWITHCTESSEL_C2A). Note: results are not bit identical.

Flux updates

real date	expdate	description of change

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