

# Change log for e-suite CY43R1 (gkvv)

The CAMS NRT research e-suite for CY41R1\_CAMS (experiment **gkvv**, class **rd**) was started on 2016-09-12 for the analysis cycle 2016040100. This e-suite runs at T511L60. Main features are:

- 120 h long forecast from 00UTC and 12UTC
- IFS cycle 43R1
- C-IFS-TM5
- MACCity anthropogenic emissions - scaled over North America and Europe
- GFASv1.2 fire emissions
- C-IFS model resolution T511L60
- analysis resolution T159/T95, using 12h 4D-Var and VarBC
- analysis windows from 15-3UTC and 3-15UTC
- time period 20160401 -
- Blacklist: black\_ds\_macc\_nrt\_43r1
- branch: stj\_CY43R1\_CAMS\_esuite

## Satellite data usage for atmospheric composition

Aerosol	
<b>Assimilated:</b>	AQUA MODIS, TERRA MODIS (including Deep Blue data), <i>PMAP-A</i>
<b>Monitored:</b>	<i>PMAP-B</i>
Ozone	
<b>Assimilated:</b>	SBUV/2 21-layer, OMI, MLS, GOME-2A, GOME-2B, OMPS
<b>Monitored:</b>	SEVIRI
Carbon Monoxide	
<b>Assimilated:</b>	IASI-A, IASI-B, MOPITT
<b>Monitored:</b>	
NO2	
<b>Assimilated:</b>	OMI
<b>Monitored:</b>	GOME-2A, GOME-2B
SO2	
<b>Assimilated:</b>	GOME-2A, GOME-2B
<b>Monitored:</b>	OMI
HCHO	
<b>Monitored</b>	GOME-2A, GOME-2B

## Changes introduced during production affecting the quality of the products

real date	exp date	description of change
20160912	2016040100	Start of e-suite
20160914	2016041000	Change incorrect use of 2008 emissions to current year emissions.

20161003	2016072900	Switch variational bias correction for PMAP on
	2016070500	Start of OMPS assimilation

## Blacklist changes

real date	expdate	description of change
20160912	2016040100	Created black_ds_macc_nrt_43r1 from operational blacklist. Blacklist directory /home/rd/ecgems/data/43r1/an/