METEO FRANCE
Toujours un temps d'avance

METEO-FRANCE TOULOUSE, FRANCE

RSMC for Environmental Emergency Response

FAX : +33 5 61 07 80 44

Telephone : +33 5 61 07 80 42

Time : 1052 UTC Date : 18 Feb 2016

<< TEST_EVENT TEST_EVENT TEST_EVENT >>

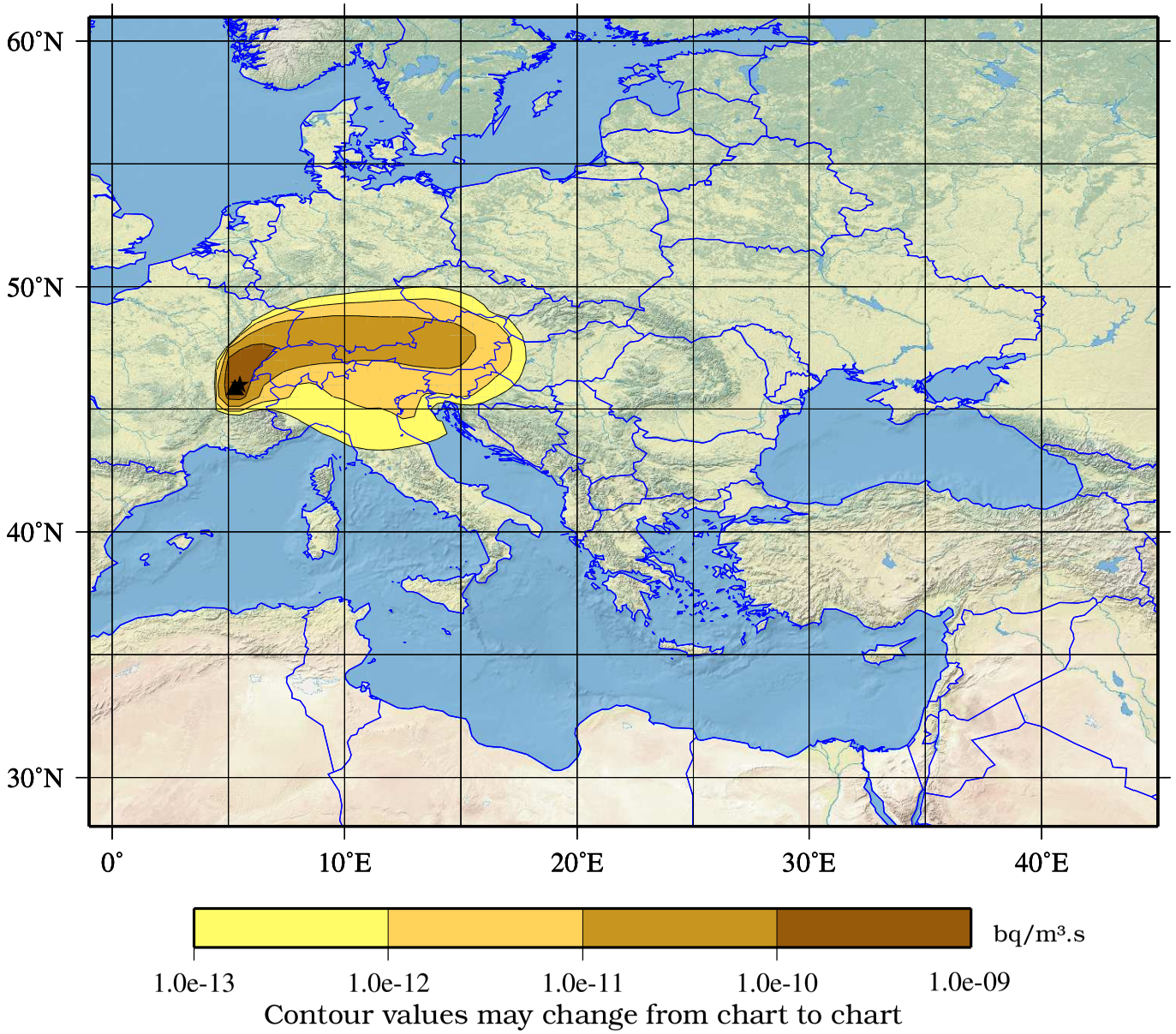
Release Time date : 13 UTC 09 Feb 2016
Release Location in decimal degrees : 45.79843N 5.27107E
Location name (if known) : BUGEY
Emission duration : 00h15
Emission (per hour) : 1.0000 bq
Substance released : Cs-137
Vertical distribution : Uniform 0 - 100 m (AGL)
Meteorological Model : ARPEGE
Dispersion Model : Mocage

Attached are 7 charts consisting of :
(1) **Trajectories of air particles** starting at 500, 1500 and 3000 metres above the ground. The plan view indicates the horizontal spread, while the side view indicates the vertical motion of the trajectories.
(2-4) Charts for three successive time intervals of the **time-integrated pollution concentration (or exposure)** averaged over the layer between the surface and 500m in units of Becquerel.seconds per cubic metre (Bq.s/m3).
(5-7) A chart of the **total surface deposition** (wet + dry) from the release time to the end of the third time period in units of Bequerel per square metre (Bq/m2)
For charts 2-7, a legend indicates the values associated with particular shadings.

Number of pages (including cover sheet) = 8

BUGEY Test 09/02/2016

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 23 hours
valid 10/02/2016 12h00 UTC



Dispersion model : MOCAGE Accident

Meteo model : ARPEGE

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RELEASE DATA

Site : BUGEY
Emission start : 09/02/2016 13h05 UTC
Release duration : 00h15
Lat : 45.79843 N ; 45º47'54" N
Lon : 5.27107 E ; 5º16'15" E
Emission rate : 1.0e+00 bq/h
Base : 0m
Top : 100m
Released pollutant : Cs-137

MODEL DATA

Grid resolution : 0.5º
Init for meteo data
09/02/2016 00UTC

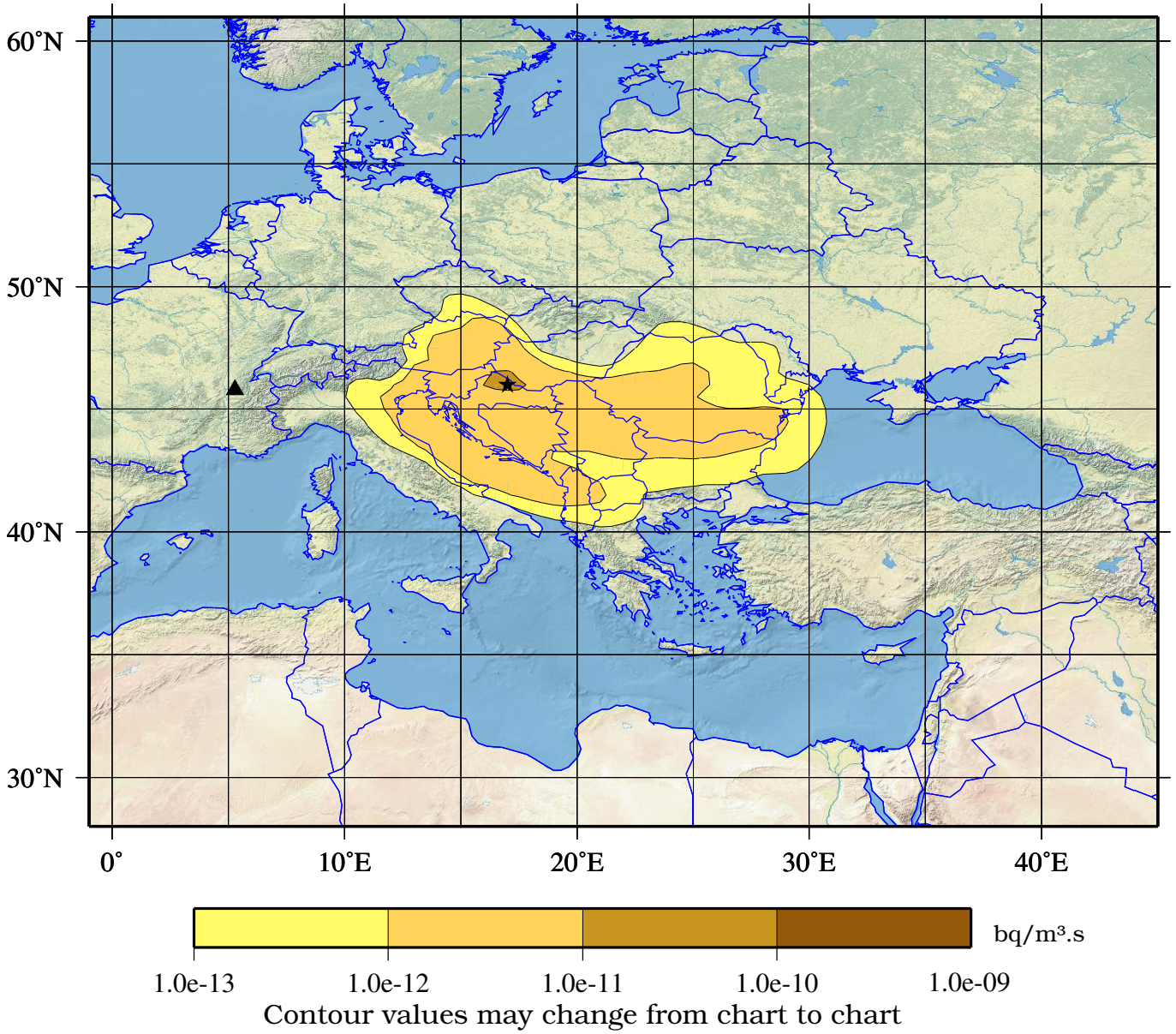
Max value for current step :
5.188e-10 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 09/02/2016 13:42:16 UTC

BUGEY Test 09/02/2016

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 11/02/2016 12h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ARPEGE

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Emission rate : 1.0e+00 bq/h
Base : 0m
Top : 100m
Released pollutant : Cs-137

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
09/02/2016 00UTC

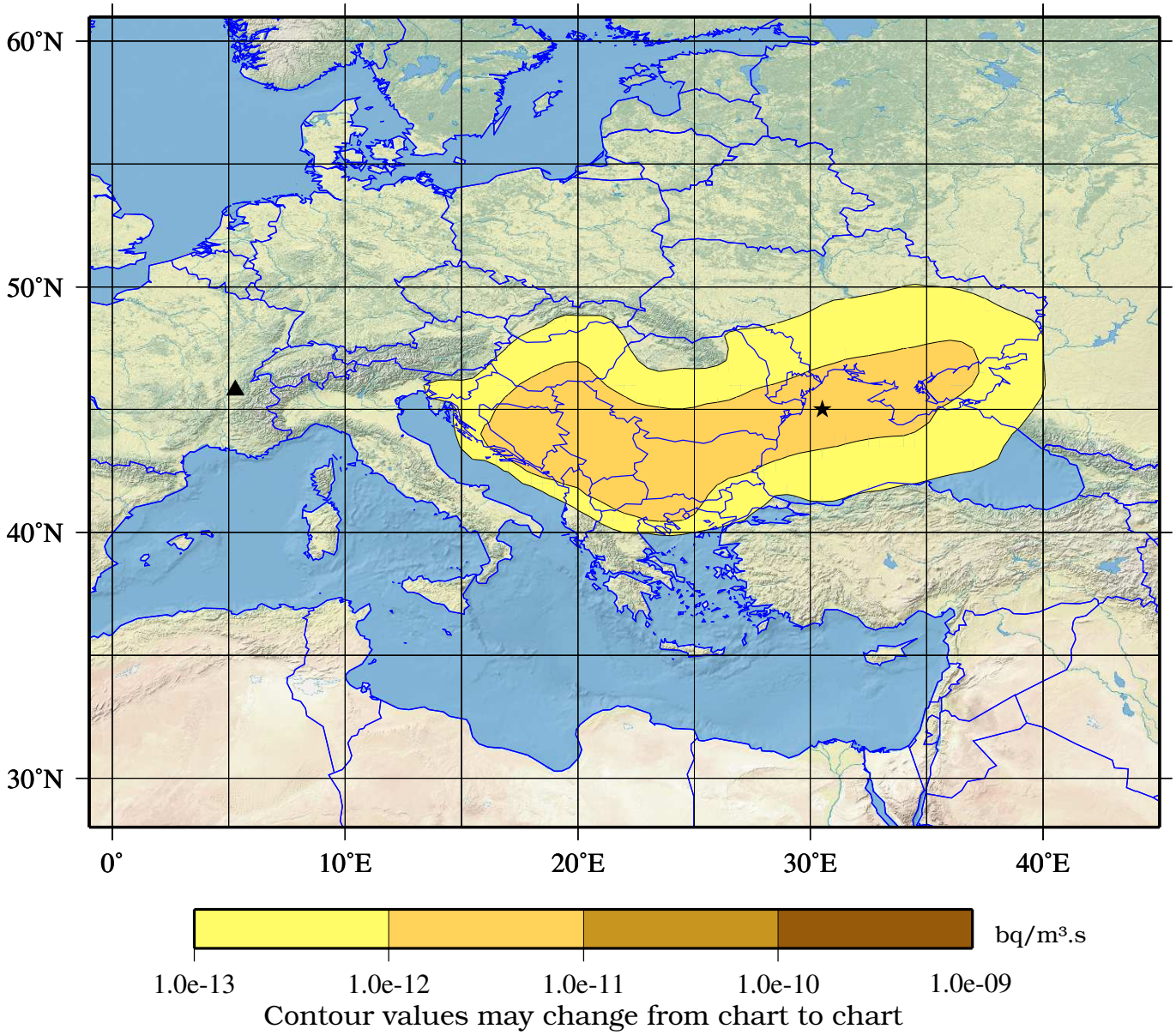
Max value for current step :
1.09396e-11 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 09/02/2016 13:42:16 UTC

BUGEY Test 09/02/2016

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 12/02/2016 12h00 UTC



Dispersion model :
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Meteo model : ARPEGE

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Released pollutant : Cs-137

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
09/02/2016 00UTC

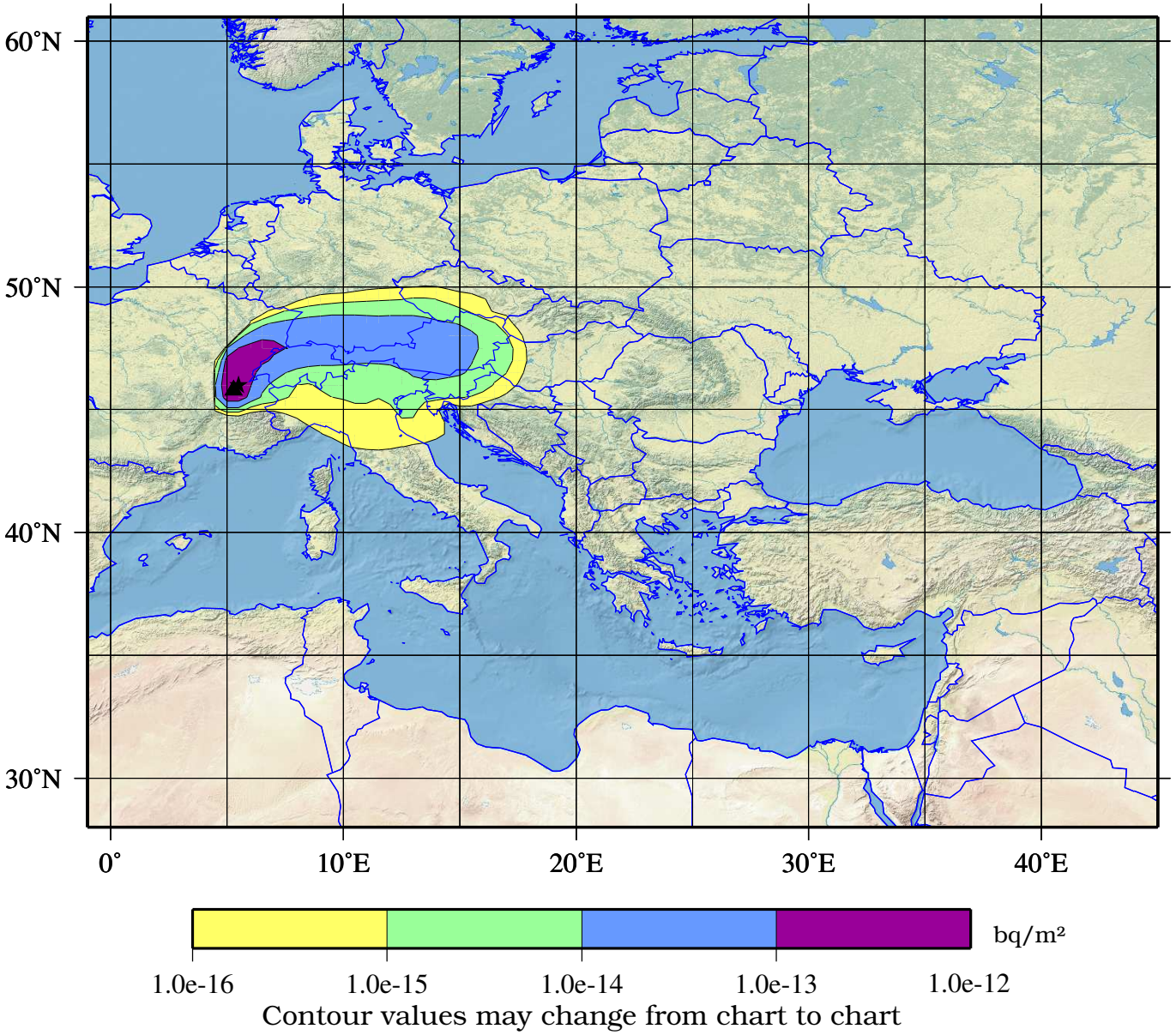
Max value for current step :
2.67301e-12 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 09/02/2016 13:42:16 UTC

BUGEY Test 09/02/2016

Total deposition (bq/m²)
from release start
valid 10/02/2016 12h00 UTC



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MODEL DATA

Grid resolution : 0.5º
Init for meteo data
09/02/2016 00UTC

Max value for current step :
8.31218e-13 bq/m²

Max position ★
Source position ▲

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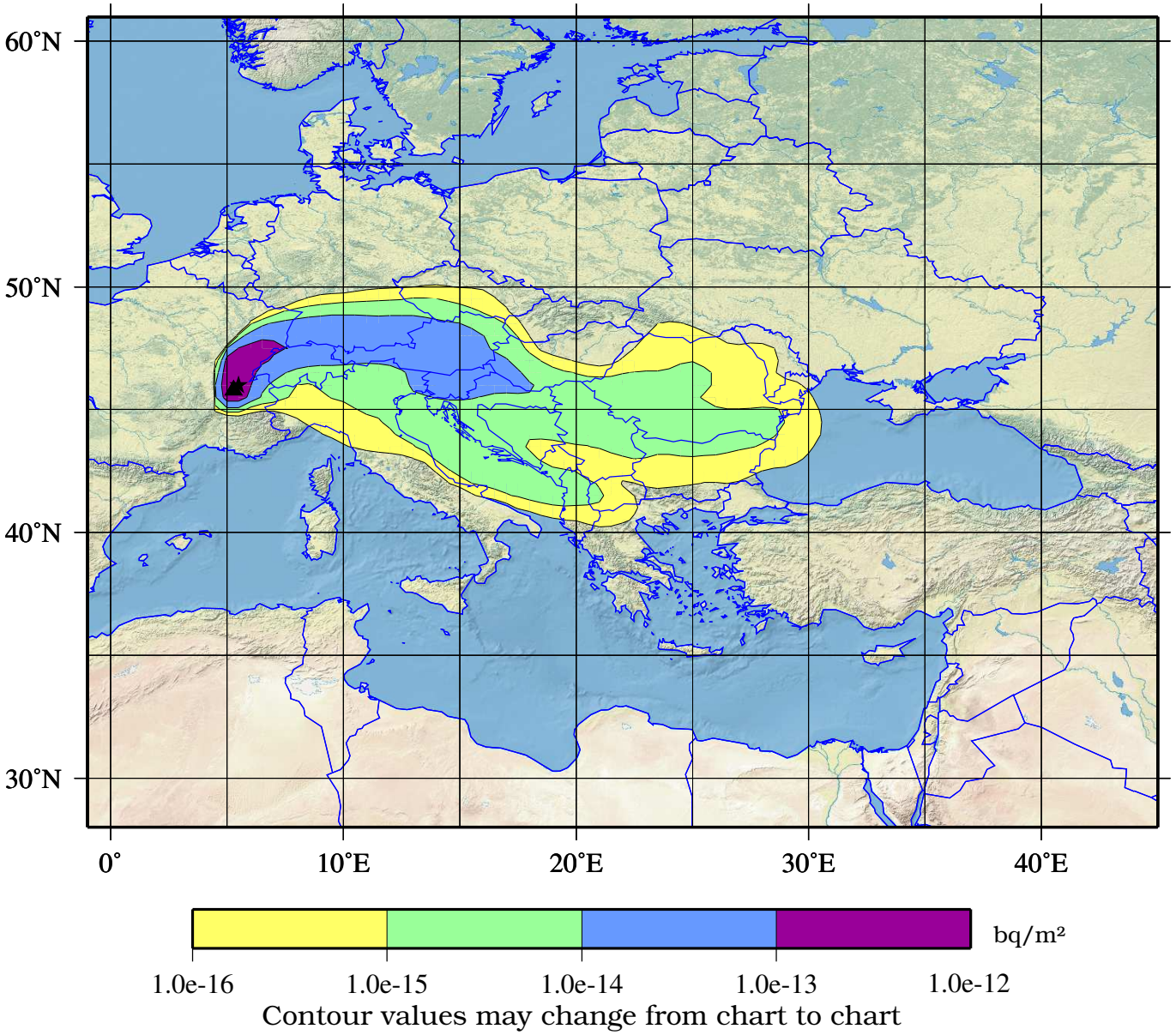
Issued 09/02/2016 13:42:16 UTC

BUGEY Test 09/02/2016

Total deposition (bq/m²)
from release start
valid 11/02/2016 12h00 UTC



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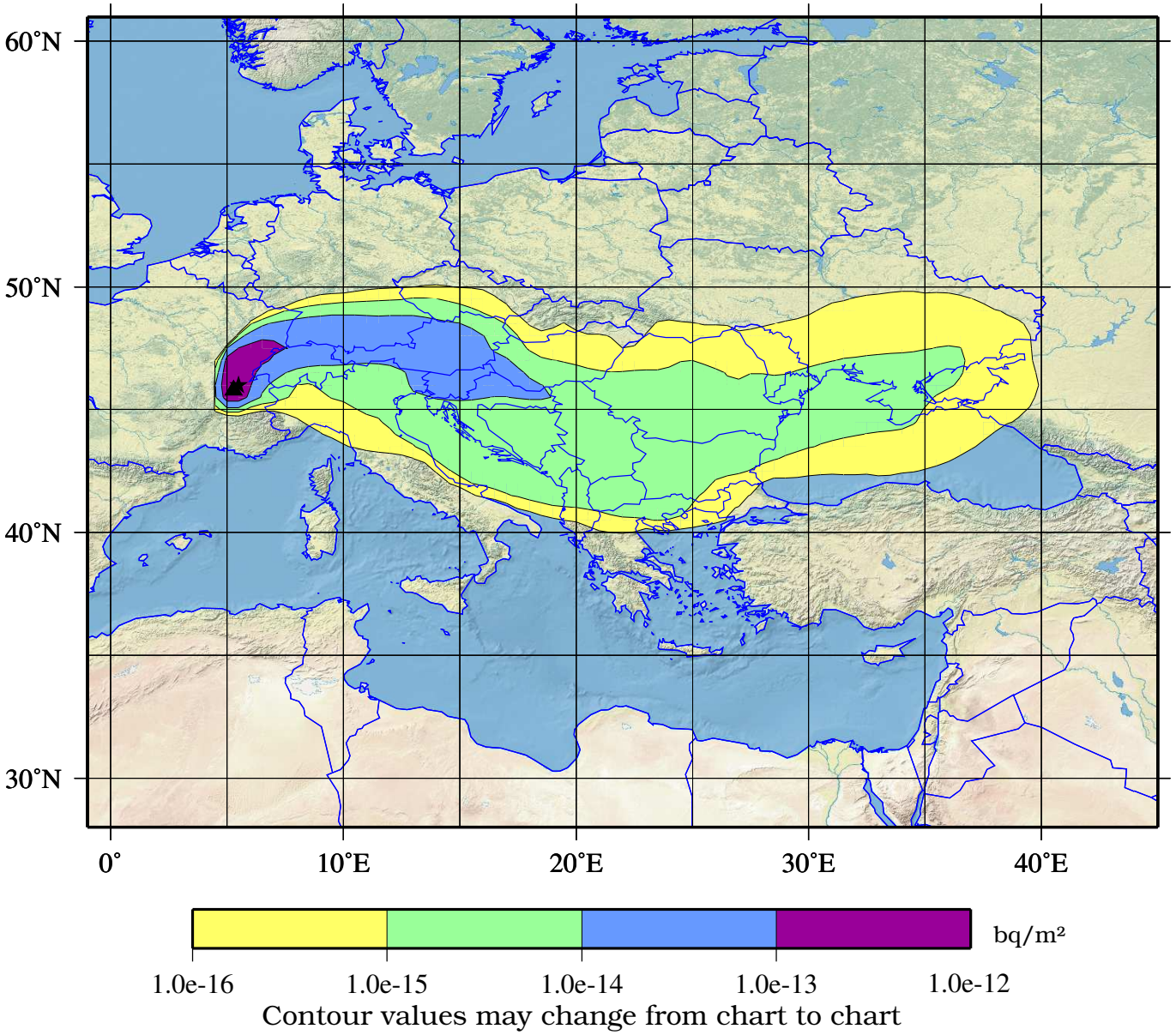

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