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 : 0832 UTC Date : 14 Jun 2016

<< TEST_EVENT TEST_EVENT TEST_EVENT >>

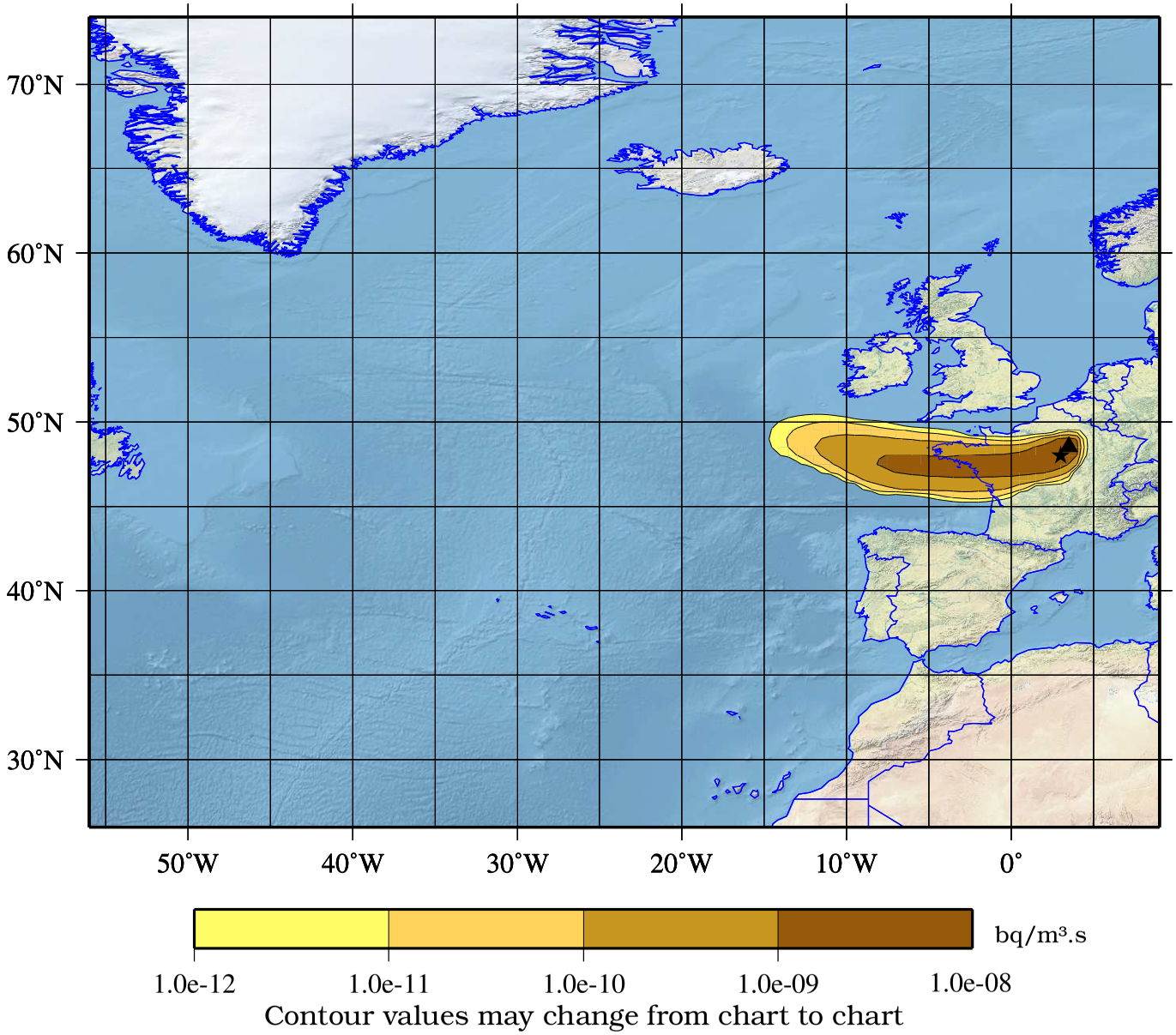
Release Time date : 12 UTC 19 Apr 2016
Release Location in decimal degrees : 48.51723N 3.51822E
Location name (if known) : NOGENT
Emission duration : 03h00
Emission (per hour) : 1.0000 bq
Substance released : Co-60
Vertical distribution : Uniform 0 - 100 m (AGL)
Meteorological Model : ARPEGE
Dispersion 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

NOGENT Test 19/04/2016

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 20/04/2016 12h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ARPEGE

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RELEASE DATA
Site : NOGENT
Emission start : 19/04/2016 12h00 UTC
Release duration : 03h00
Lat : 48.51723 N ; 48º31'2" N
Lon : 3.51822 E ; 3º31'5" E
Emission rate : 1.0e+00 bq/h
Base : 0m
Top : 100m
Released pollutant : Co-60

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
19/04/2016 00UTC

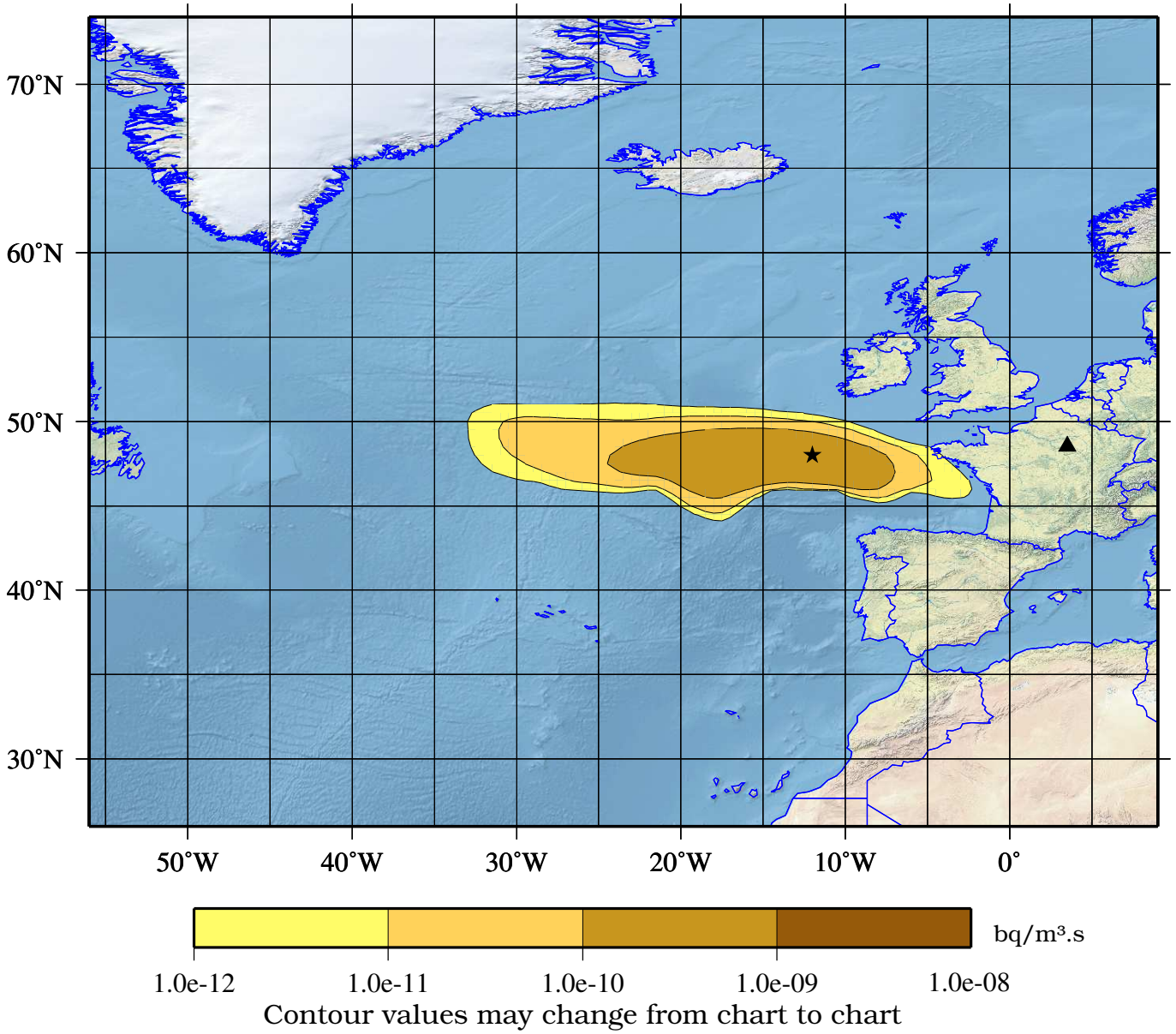
Max value for current step :
6.36796e-09 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 19/04/2016 13:10:00 UTC

NOGENT Test 19/04/2016

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 21/04/2016 12h00 UTC



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Base : 0m
Top : 100m
Released pollutant : Co-60

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
19/04/2016 00UTC

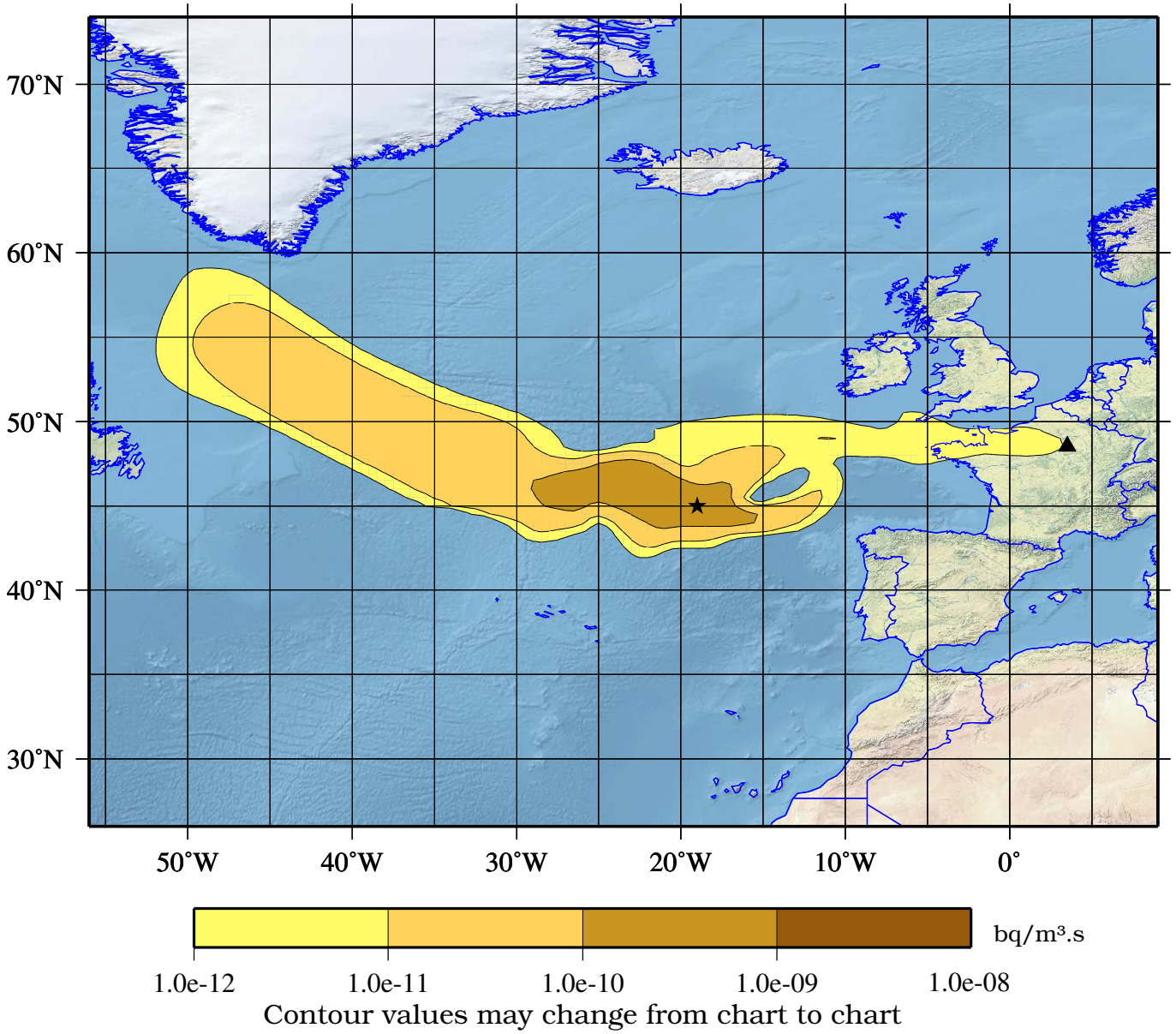
Max value for current step :
9.4189e-10 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 19/04/2016 13:10:00 UTC

NOGENT Test 19/04/2016

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 22/04/2016 12h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ARPEGE

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Release duration : 03h00
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Lon : 3.51822 E ; 3º31'5" E
Emission rate : 1.0e+00 bq/h
Base : 0m
Top : 100m
Released pollutant : Co-60

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
19/04/2016 00UTC

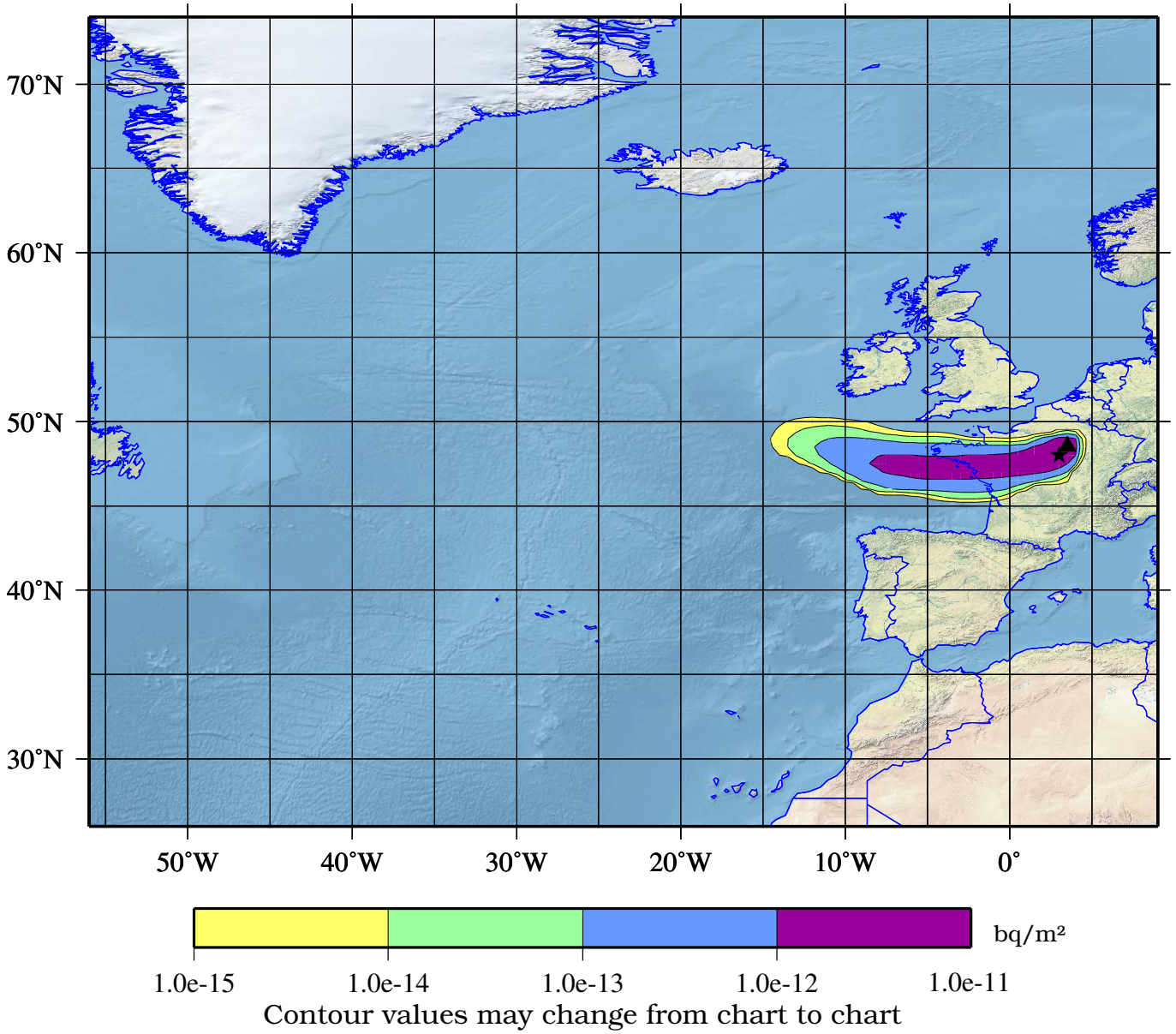
Max value for current step :
3.84592e-10 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 19/04/2016 13:10:00 UTC

NOGENT Test 19/04/2016

Total deposition (bq/m²)
from release start
valid 20/04/2016 12h00 UTC



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MODEL DATA
Grid resolution : 0.5º
Init for meteo data
19/04/2016 00UTC

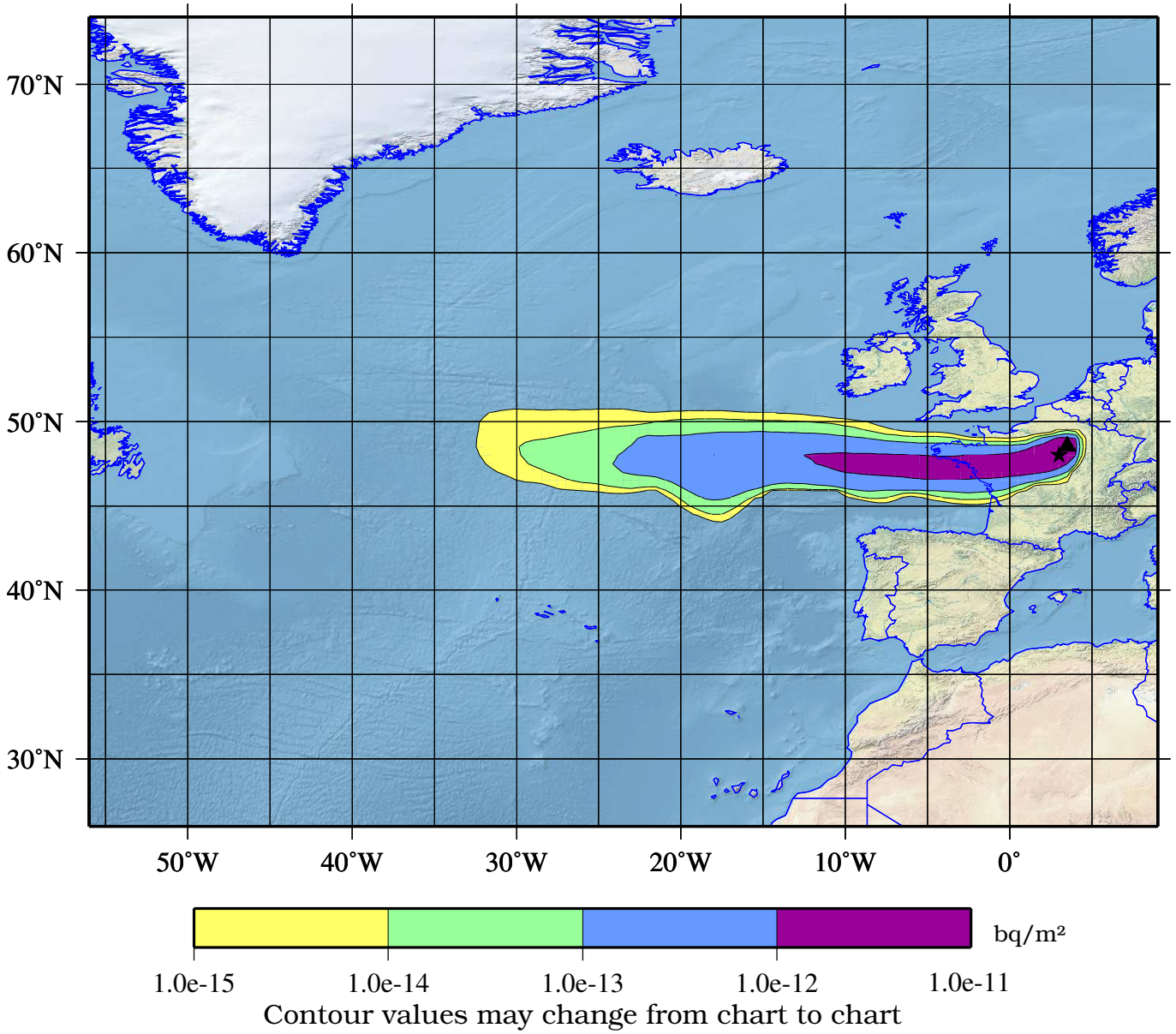
Max value for current step :
6.91831e-12 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 19/04/2016 13:10:00 UTC

NOGENT Test 19/04/2016

Total deposition (bq/m²)
from release start
valid 21/04/2016 12h00 UTC



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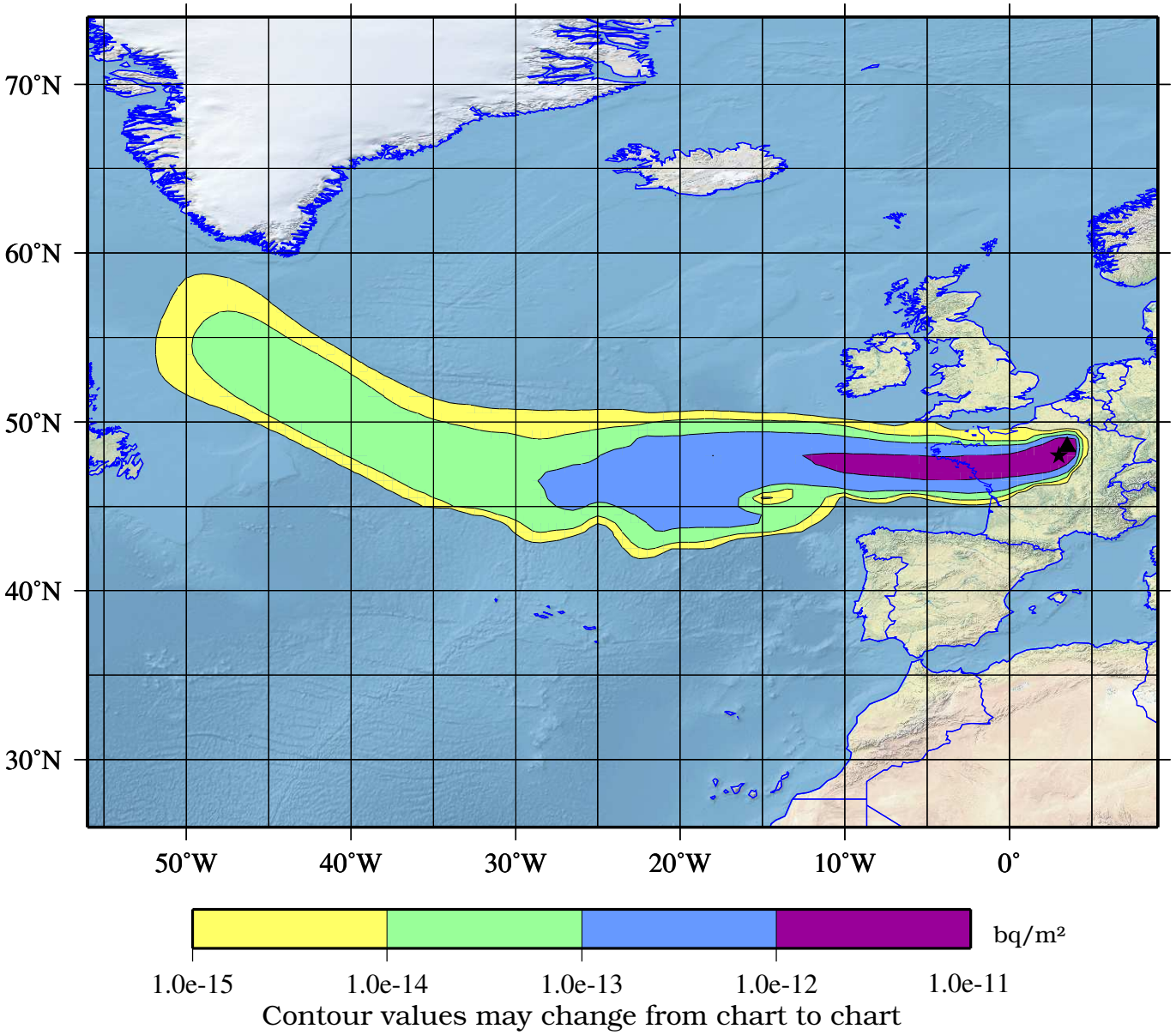

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