METEO FRANCE
Toujours un temps d'avance

METEO-FRANCE TOULOUSE, FRANCE

RSMC for Environmental Emergency Response

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Time : 0724 UTC Date : 19 Aug 2016

<< TEST_EVENT TEST_EVENT TEST_EVENT >>

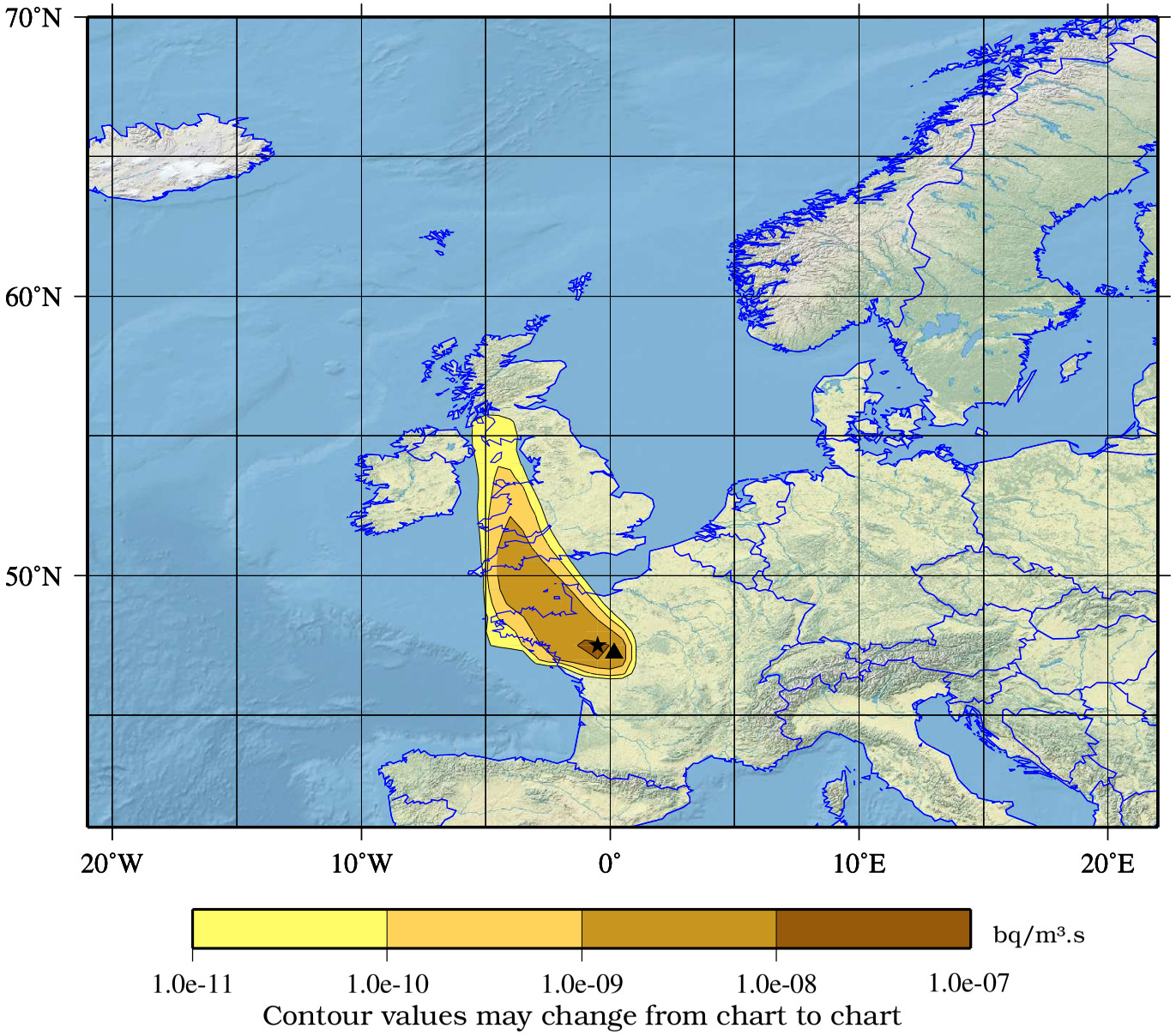
Release Time date : 00 UTC 19 Jul 2016
Release Location in decimal degrees : 47.22957N 0.16566E
Location name (if known) : CHINON
Emission duration : 06h00
Emission (per hour) : 1.0000 bq
Substance released : Cs-137
Vertical distribution : Uniform 0 - 500 m (AGL)
Meteorological Model : ARPEGE
Dispersion 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

CHINON Test 19/07/2016

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 20/07/2016 00h00 UTC



Dispersion model : MOCAGE Accident
Meteo model : ARPEGE

Results based on default initial values

RELEASE DATA
Site : CHINON
Emission start : 19/07/2016 00h00 UTC
Release duration : 06h00
Lat : 47.22957 N ; 47º13'46" N
Lon : 0.16566 E ; 0º9'56" E
Emission rate : 1.0e+00 bq/h
Base : 0m
Top : 500m
Released pollutant : Cs-137

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
19/07/2016 00UTC

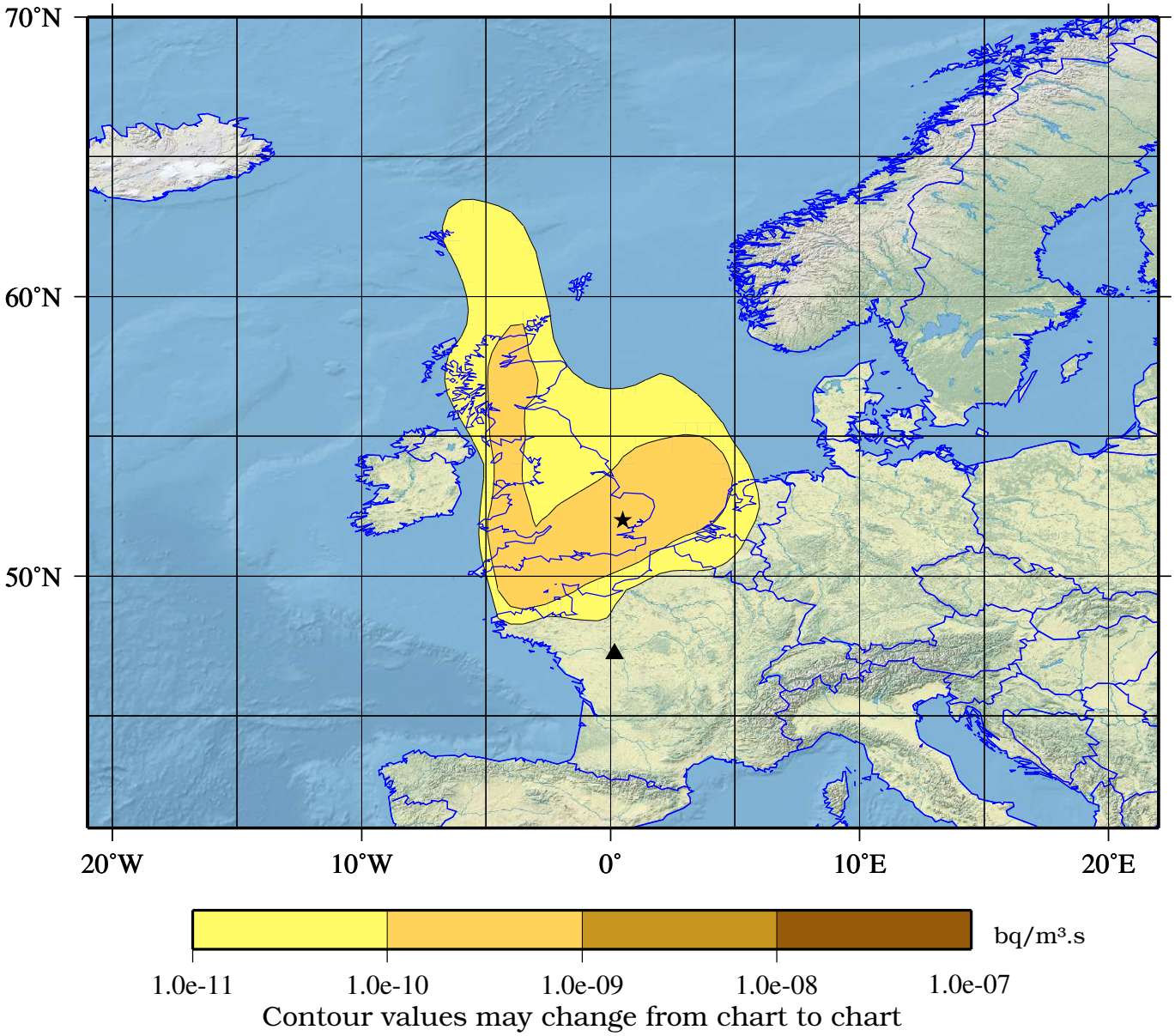
Max value for current step :
1.33352e-08 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 19/07/2016 07:42:28 UTC

CHINON Test 19/07/2016

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 21/07/2016 00h00 UTC



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Lon : 0.16566 E ; 0º9'56" E
Emission rate : 1.0e+00 bq/h
Base : 0m
Top : 500m
Released pollutant : Cs-137

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
19/07/2016 00UTC

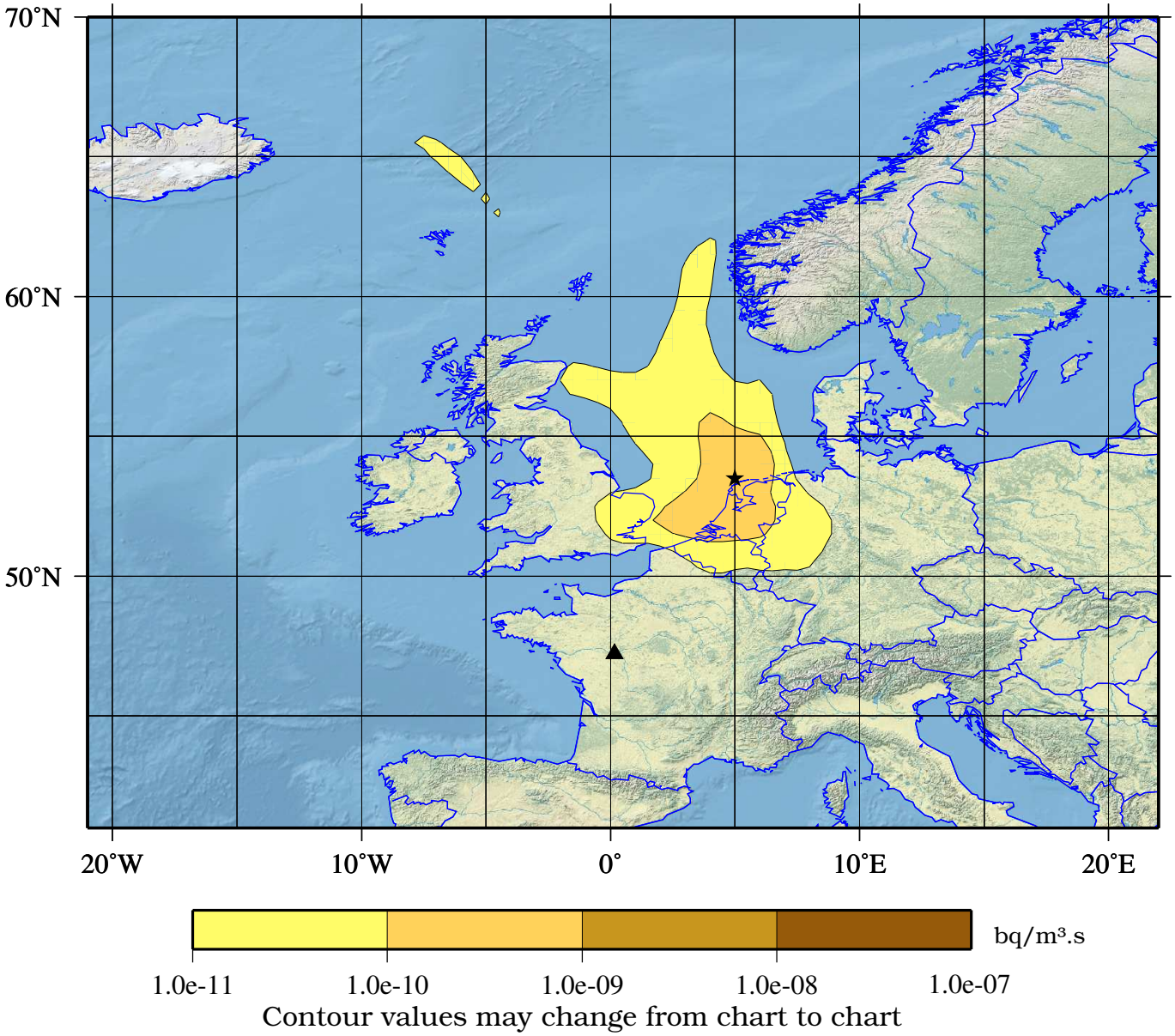
Max value for current step :
7.12853e-10 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 19/07/2016 07:42:28 UTC

CHINON Test 19/07/2016

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 22/07/2016 00h00 UTC



Dispersion model : MOCAGE Accident
Meteo model : ARPEGE

Results based on default initial values

RELEASE DATA
Site : CHINON
Emission start : 19/07/2016 00h00 UTC
Release duration : 06h00
Lat : 47.22957 N ; 47º13'46" N
Lon : 0.16566 E ; 0º9'56" E
Emission rate : 1.0e+00 bq/h
Base : 0m
Top : 500m
Released pollutant : Cs-137

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
19/07/2016 00UTC

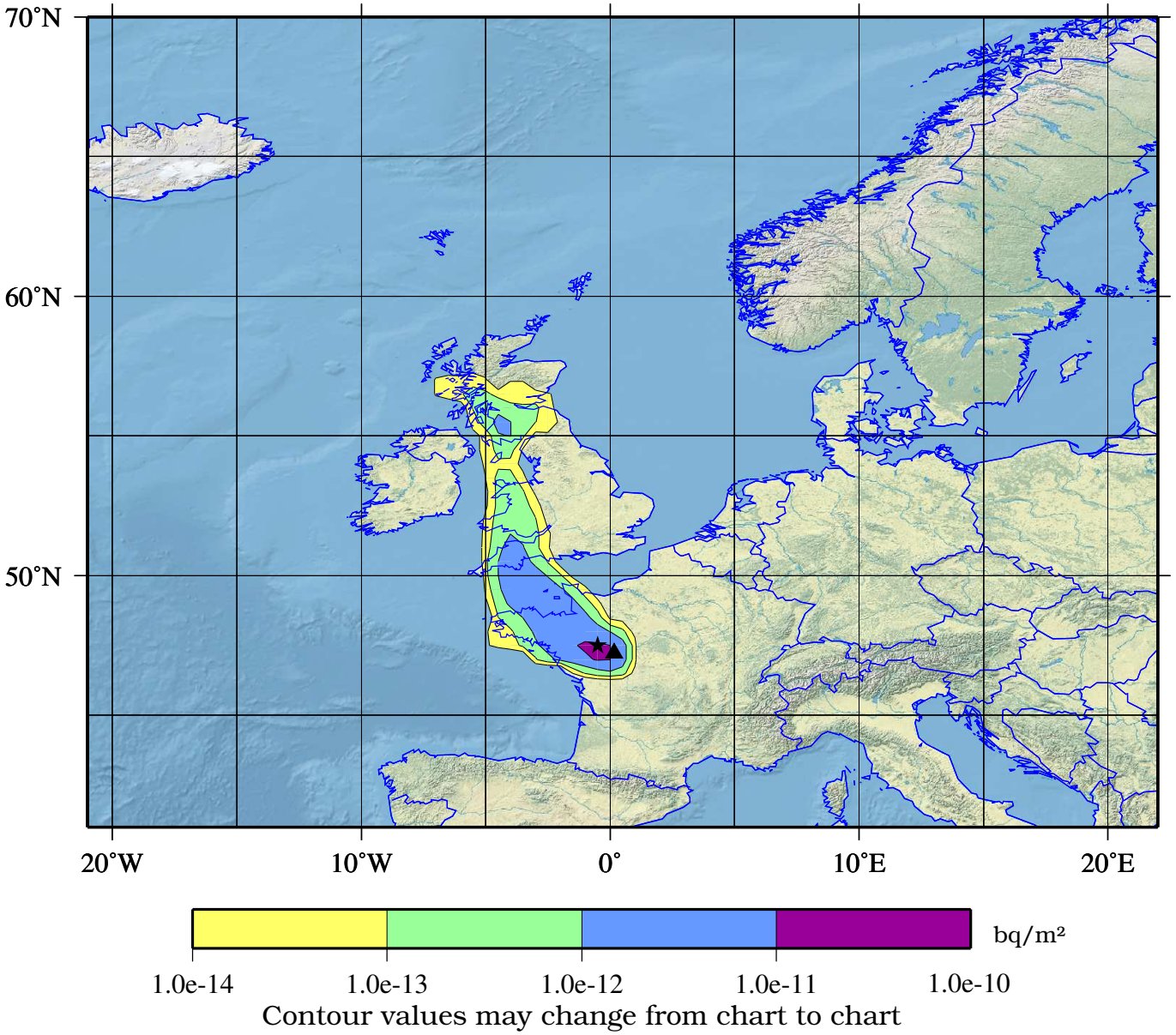
Max value for current step :
4.27563e-10 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 19/07/2016 07:42:28 UTC

CHINON Test 19/07/2016

Total deposition (bq/m²)
from release start
valid 20/07/2016 00h00 UTC



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Released pollutant : Cs-137

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
19/07/2016 00UTC

Max value for current step :
1.34586e-11 bq/m²

Max position ★
Source position ▲

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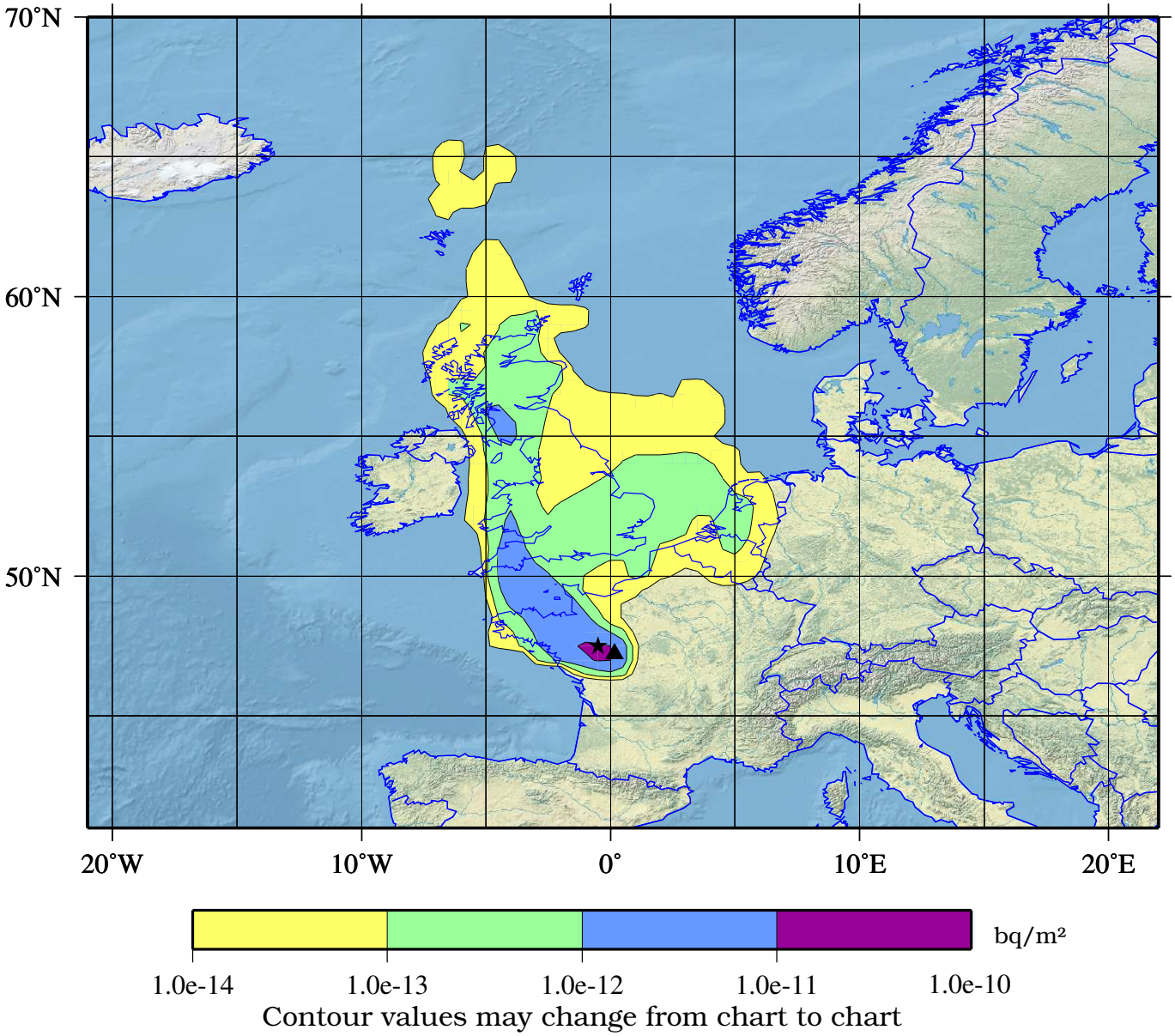
TOULOUSE RSMC
Issued 19/07/2016 07:42:28 UTC

CHINON Test 19/07/2016

Total deposition (bq/m²)
from release start
valid 21/07/2016 00h00 UTC



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Top : 500m
Released pollutant : Cs-137

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
19/07/2016 00UTC

Max value for current step :
1.34587e-11 bq/m²

Max position ★
Source position ▲

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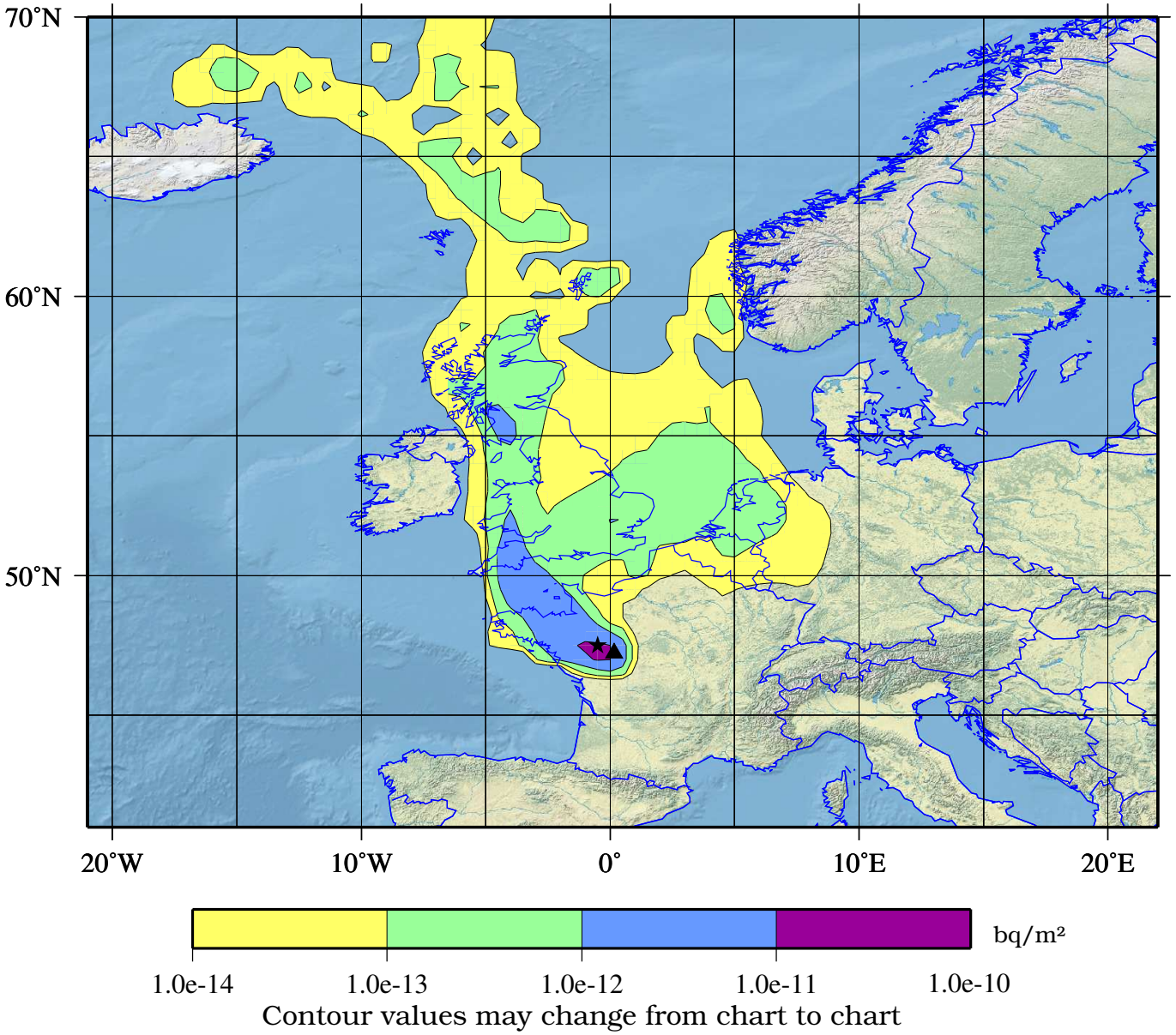
TOULOUSE RSMC
Issued 19/07/2016 07:42:28 UTC

CHINON Test 19/07/2016

Total deposition (bq/m²)
from release start
valid 22/07/2016 00h00 UTC



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