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 : 1404 UTC Date : 19 Feb 2019

<< TEST_EVENT TEST_EVENT TEST_EVENT >>

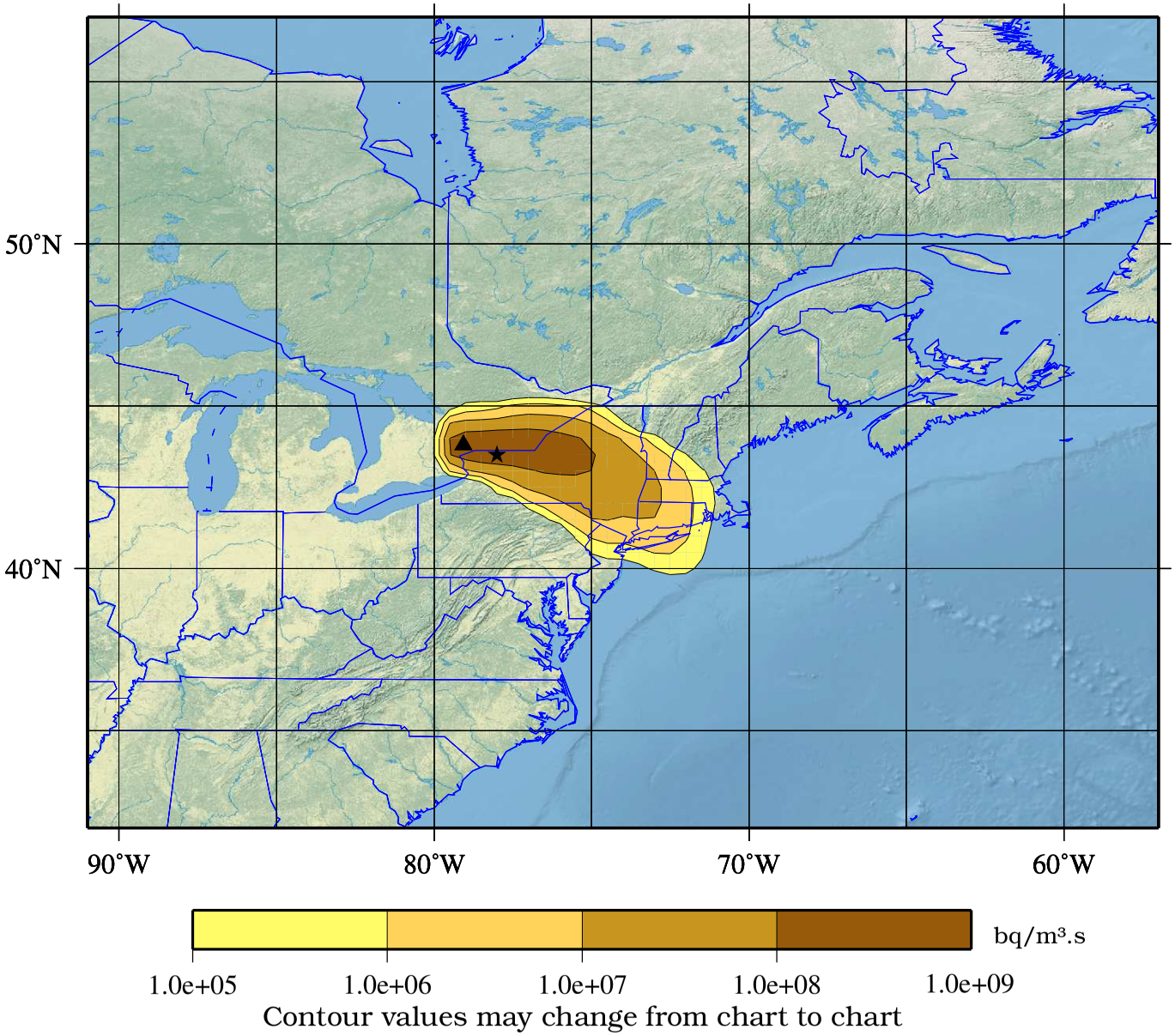
Release Time date : 15 UTC 19 Feb 2019
Release Location in decimal degrees : 43.80917N 79.06667W
Location name (if known) : Point
Emission duration : 03h00
Emission (per hour) : 6189984000.0000 bq
Substance released : I-131
Vertical distribution : Uniform 15 - 400 m (AGL)
Meteorological Model : ECMWF
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

Point choisi sur la carte Exercise 19/02/2019

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 21 hours
valid 20/02/2019 12h00 UTC



Dispersion model : MOCAGE Accident

Meteo model : ECMWF

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RELEASE DATA

Site : Point choisi sur la carte
Emission start : 19/02/2019 15h30 UTC
Release duration : 03h00
Lat : 43.80917 N ; 43º48'33" N
Lon : 79.0667 W ; 79º4'0" W
Emission rate : 6.3e+16 bq/h
Base : 15m
Top : 400m
Released pollutant : I-131

MODEL DATA

Grid resolution : 0.5º
Init for meteo data
19/02/2019 00UTC

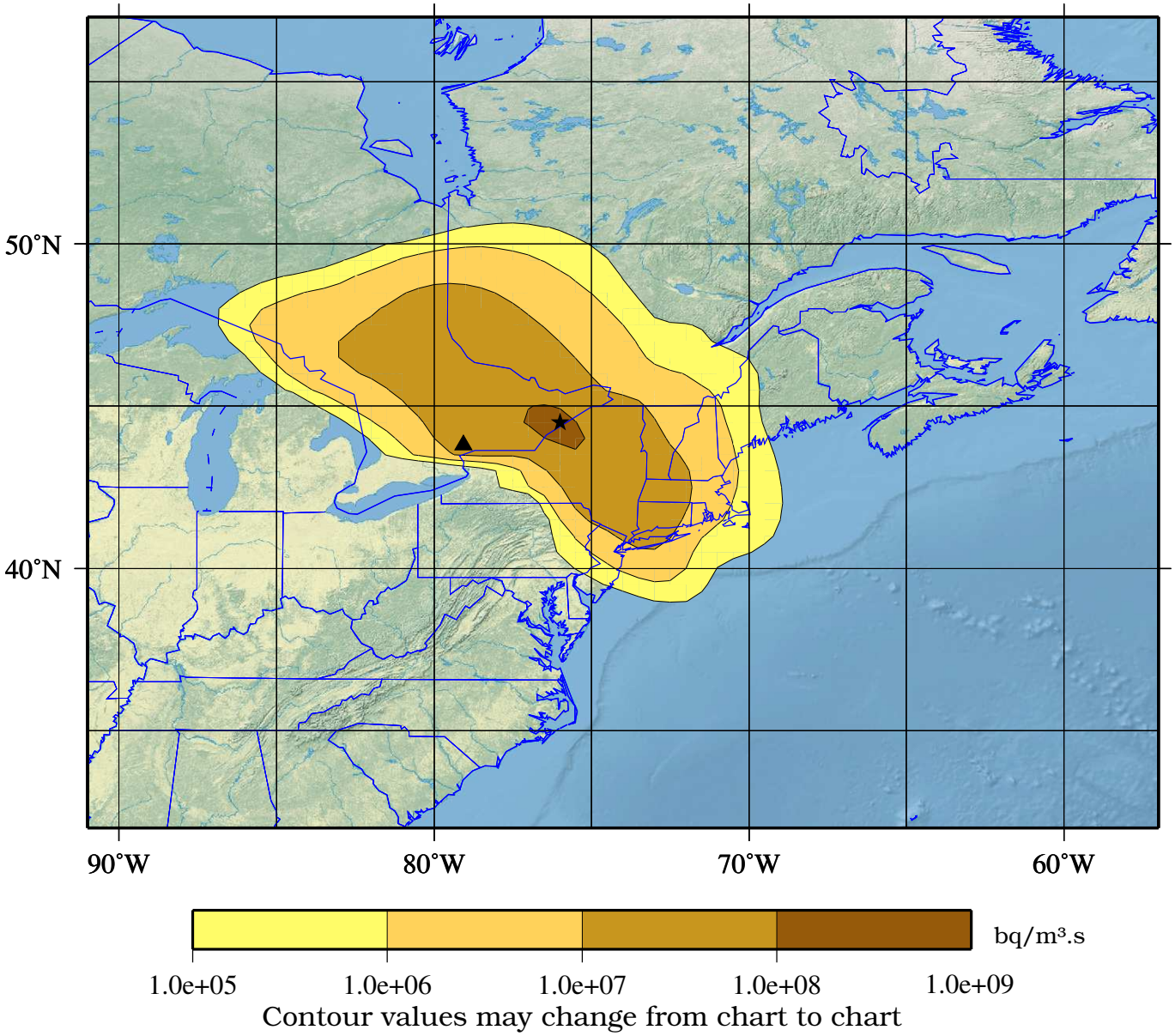
Max value for current step :
446684000 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 19/02/2019 13:52:49 UTC

Point choisi sur la carte Exercise 19/02/2019

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 21/02/2019 12h00 UTC



Dispersion model : MOCAGE Accident

Meteo model : ECMWF

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RELEASE DATA

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Release duration : 03h00
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Lon : 79.0667 W ; 79º4'0" W
Emission rate : 6.3e+16 bq/h
Base : 15m
Top : 400m
Released pollutant : I-131

MODEL DATA

Grid resolution : 0.5º
Init for meteo data
19/02/2019 00UTC

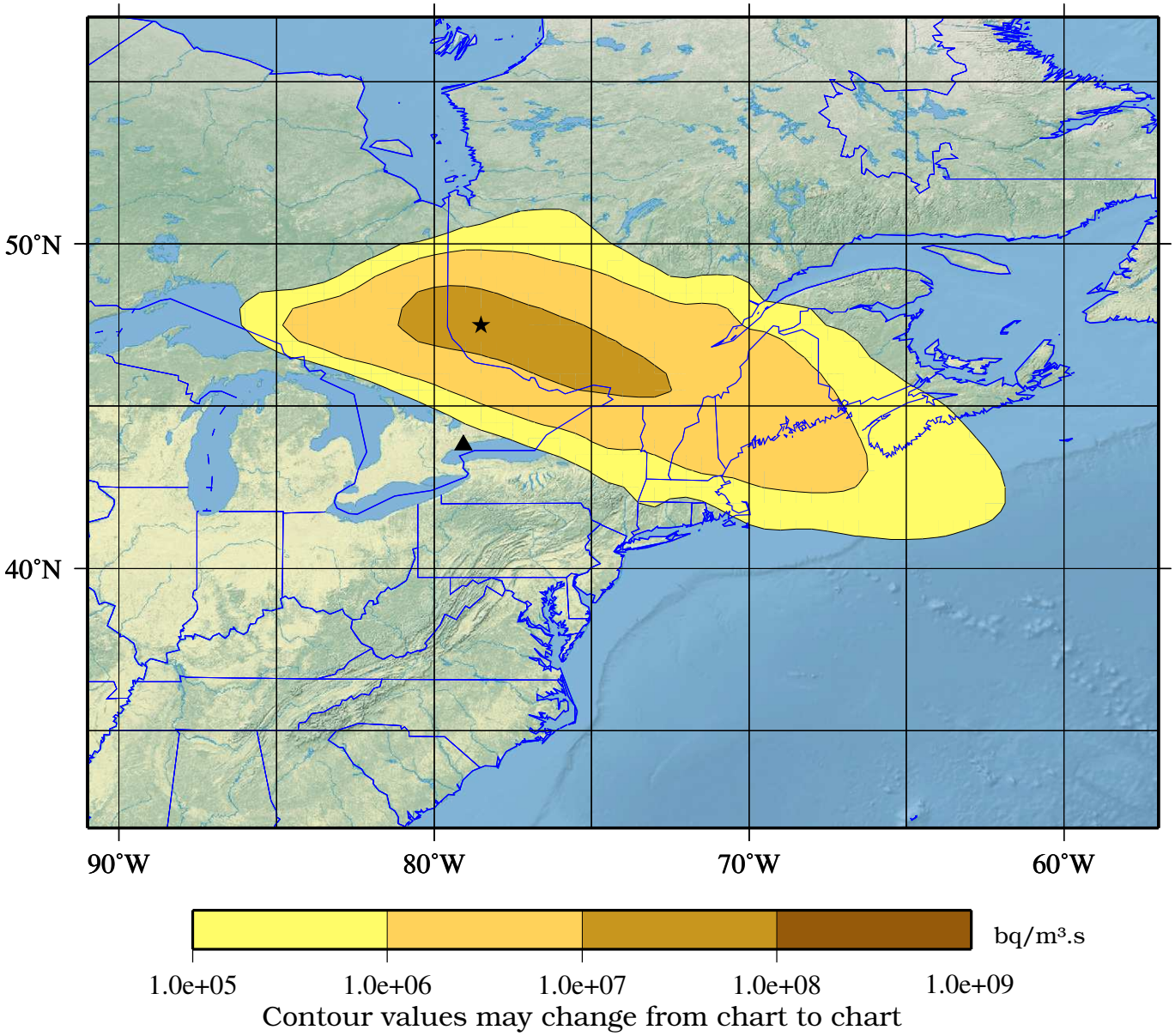
Max value for current step :
134586000 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 19/02/2019 13:52:49 UTC

Point choisi sur la carte Exercise 19/02/2019

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 22/02/2019 12h00 UTC



Dispersion model : MOCAGE Accident

Meteo model : ECMWF

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RELEASE DATA

Site : Point choisi sur la carte
Emission start : 19/02/2019 15h30 UTC
Release duration : 03h00
Lat : 43.80917 N ; 43º48'33" N
Lon : 79.0667 W ; 79º4'0" W
Emission rate : 6.3e+16 bq/h
Base : 15m
Top : 400m
Released pollutant : I-131

MODEL DATA

Grid resolution : 0.5º
Init for meteo data
19/02/2019 00UTC

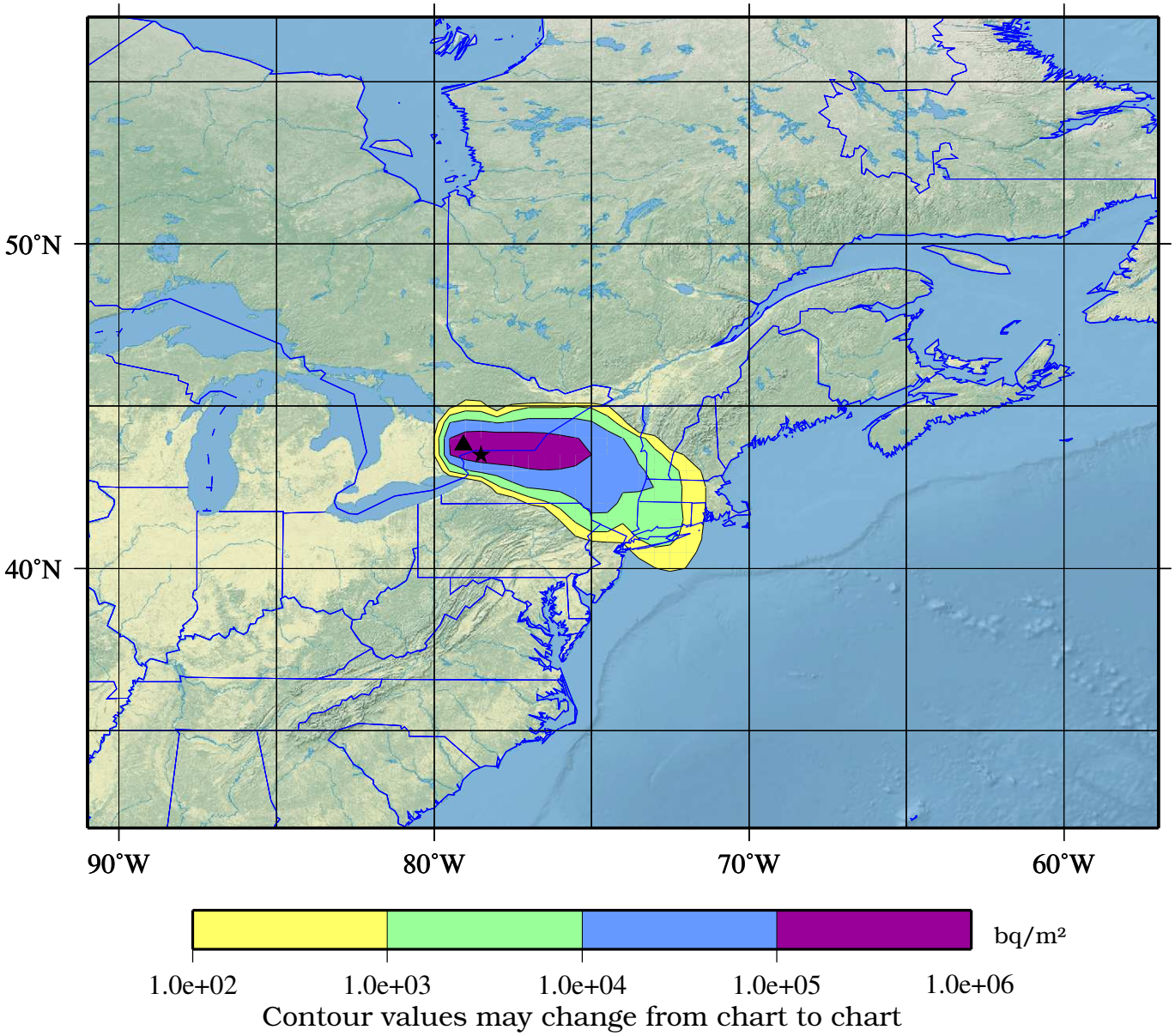
Max value for current step :
21928000 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 19/02/2019 13:52:49 UTC

Point choisi sur la carte Exercise 19/02/2019

Total deposition (bq/m²)
from release start
valid 20/02/2019 12h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
19/02/2019 00UTC

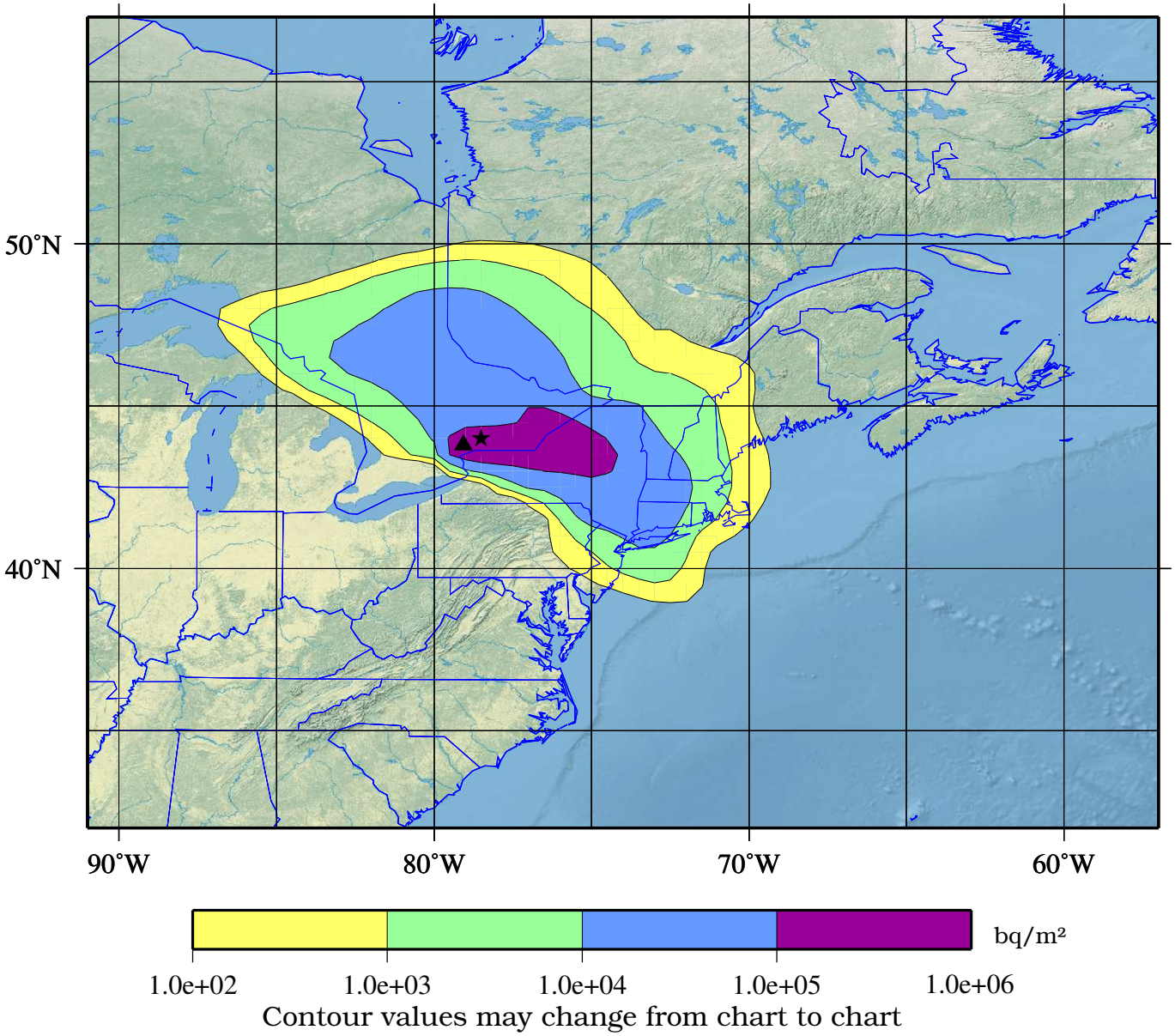
Max value for current step :
449785 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 19/02/2019 13:52:49 UTC

Point choisi sur la carte Exercise 19/02/2019

Total deposition (bq/m²)
from release start
valid 21/02/2019 12h00 UTC



Dispersion model : MOCAGE Accident
Meteo model : ECMWF

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Base : 15m
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Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
19/02/2019 00UTC

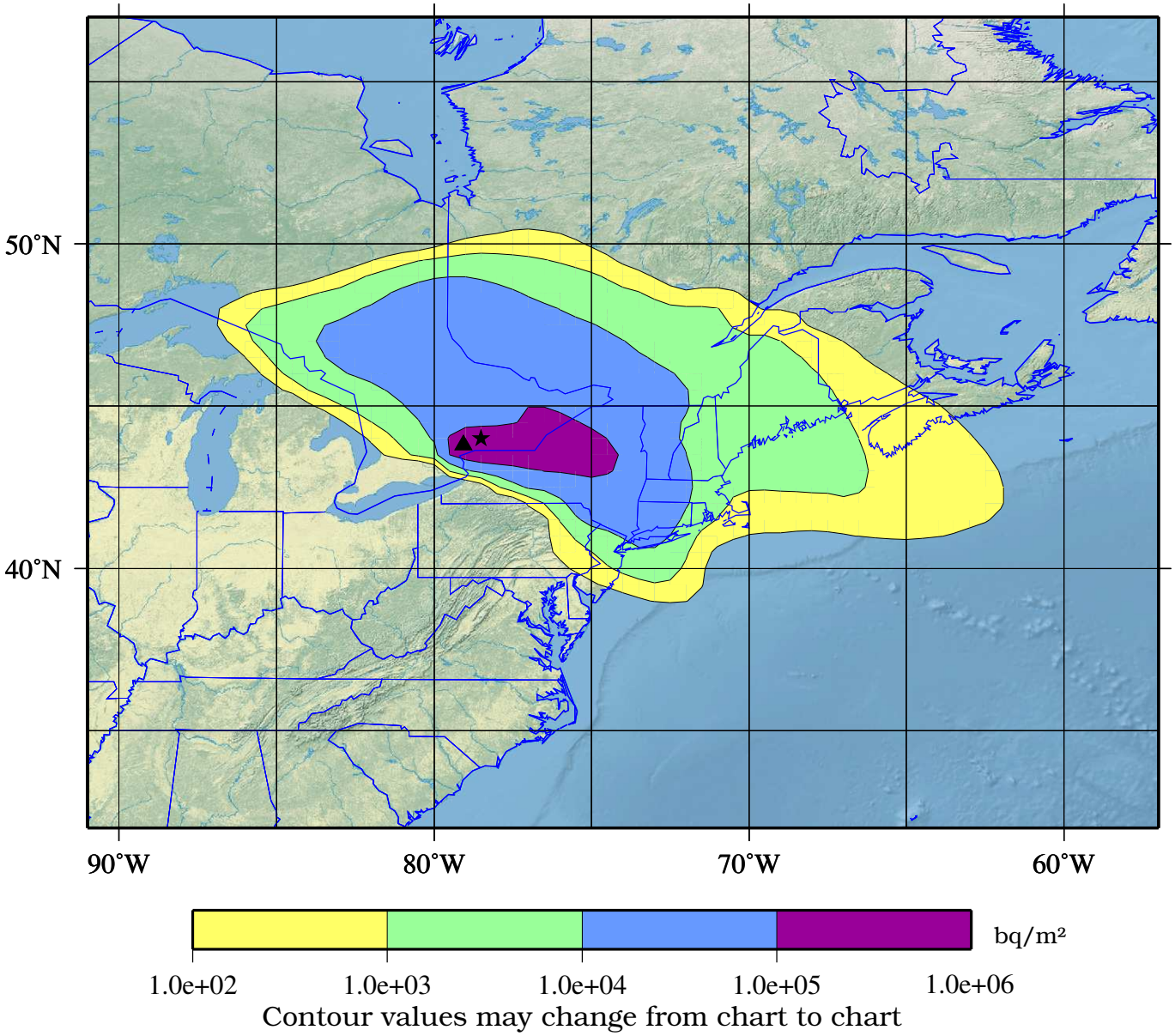
Max value for current step :
484196 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 19/02/2019 13:52:49 UTC

Point choisi sur la carte Exercise 19/02/2019

Total deposition (bq/m²)
from release start
valid 22/02/2019 12h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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19/02/2019 00UTC

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484196 bq/m²

Max position ★
Source position ▲

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Issued 19/02/2019 13:52:49 UTC