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 : 1356 UTC  Date : 21 Jul 2020**

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**<< TEST_EVENT  TEST_EVENT  TEST_EVENT >>**

**Release Time date :** 13 UTC 21 Jul 2020
**Release Location in decimal degrees :** 45.07N 66.47W
**Location name (if known) :** POINTE_LEPREAU_20200721
**Emission duration :** 12h00
**Emission (per hour) :** 8333316000.0000 bq
**Substance released :** Cs-137
**Vertical distribution :** Uniform 0 - 500 m (AGL)
**Meteorological Model :** ECMWF
**Dispersion Model :** Mocage

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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.

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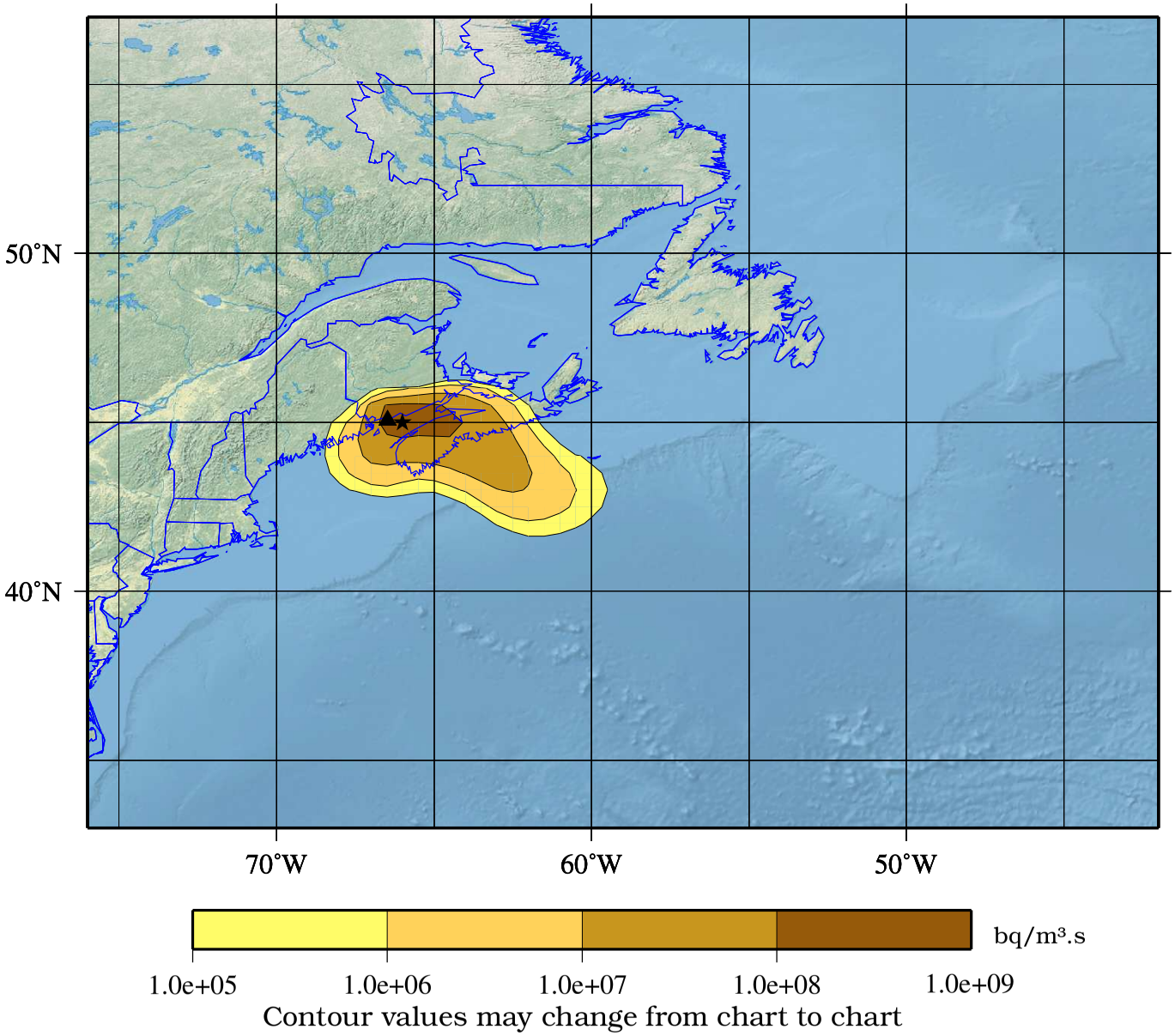
**Number of pages (including cover sheet) = 8**

# POINTE LEPREAU 20200721 Exercise 21/07/2020

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 23 hours
valid 22/07/2020 12h00 UTC




Contour values may change from chart to chart

## Dispersion model : MOCAGE Accident

Meteo model : ECMWF

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**RELEASE DATA**

Site : POINTE LEPREAU 20200721
Emission start : 21/07/2020 13h32 UTC
Release duration : 12h
Lat : 45.07 N ; 45º4'12" N
Lon : 66.47 W ; 66º28'11" W
Emission rate : 8.3e+15 bq/h
Base : 0m
Top : 500m
Released pollutant : Cs-137

**MODEL DATA**

Grid resolution : 0.5º
Init for meteo data
21/07/2020 00UTC

Max value for current step :
259418000 bq/m³.s

Max position ★
Source position ▲

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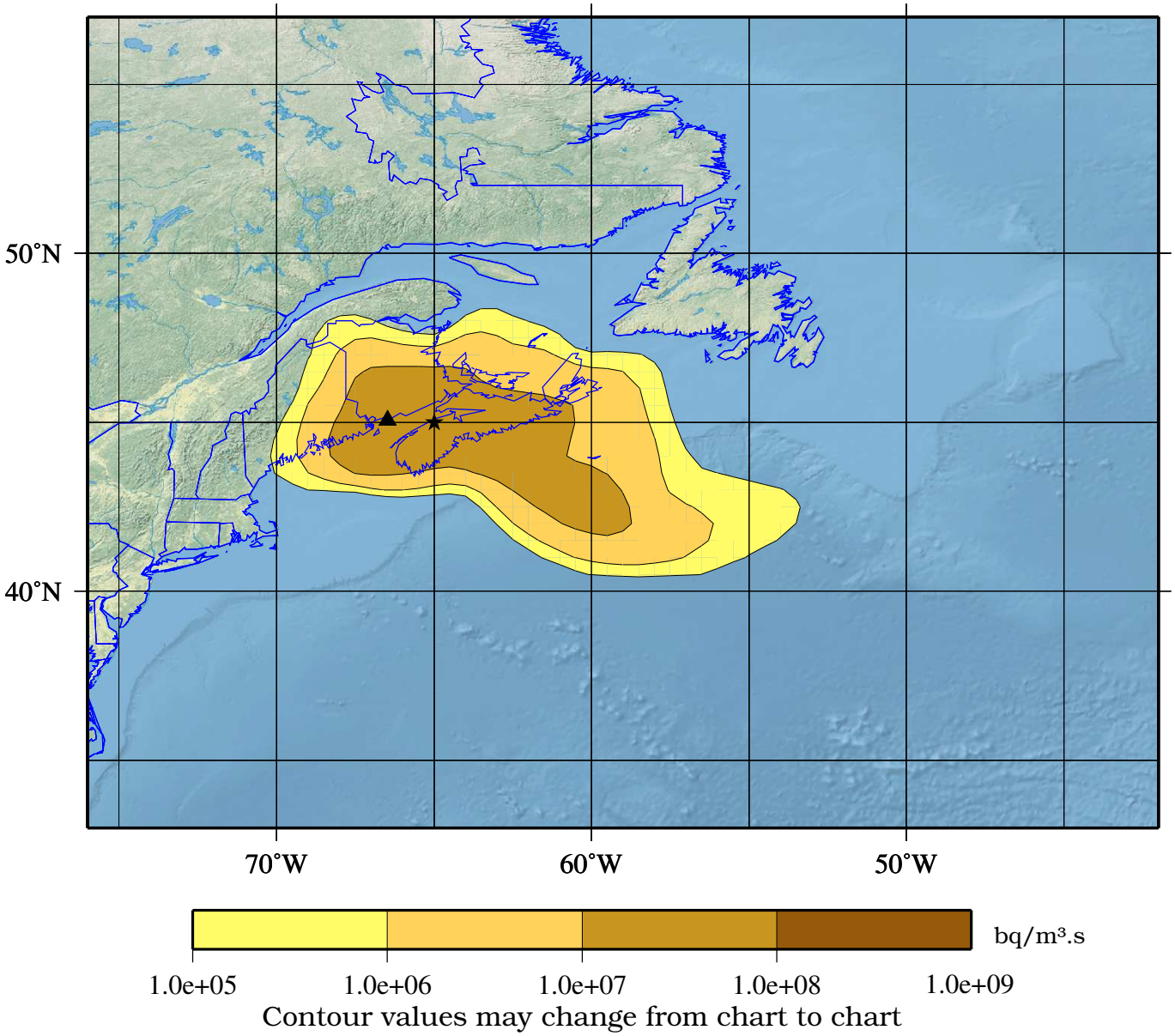
TOULOUSE RSMC
Issued 21/07/2020 13:51:45 UTC

# POINTE LEPREAU 20200721 Exercise 21/07/2020

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 23/07/2020 12h00 UTC




Contour values may change from chart to chart

Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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**RELEASE DATA**

Site : POINTE LEPREAU 20200721
Emission start : 21/07/2020 13h32 UTC
Release duration : 12h
Lat : 45.07 N ; 45º4'12" N
Lon : 66.47 W ; 66º28'11" W
Emission rate : 8.3e+15 bq/h
Base : 0m
Top : 500m
Released pollutant : Cs-137

**MODEL DATA**

Grid resolution : 0.5º
Init for meteo data
21/07/2020 00UTC

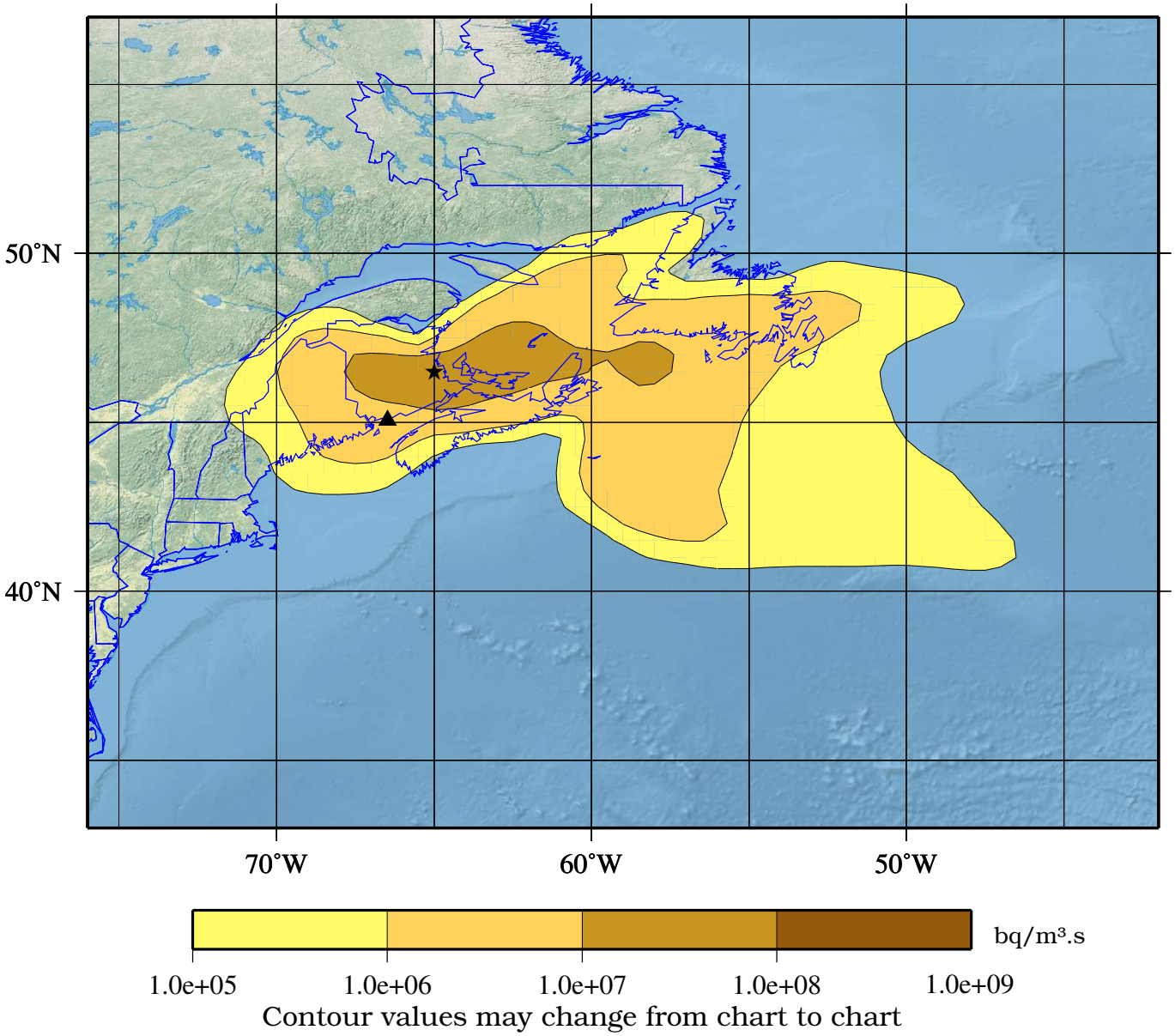
Max value for current step :
97723700 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 21/07/2020 13:51:45 UTC

# POINTE LEPREAU 20200721 Exercise 21/07/2020

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 24/07/2020 12h00 UTC




Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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**RELEASE DATA**

Site : POINTE LEPREAU 20200721
Emission start : 21/07/2020 13h32 UTC
Release duration : 12h
Lat : 45.07 N ; 45º4'12" N
Lon : 66.47 W ; 66º28'11" W
Emission rate : 8.3e+15 bq/h
Base : 0m
Top : 500m
Released pollutant : Cs-137

**MODEL DATA**

Grid resolution : 0.5º
Init for meteo data
21/07/2020 00UTC

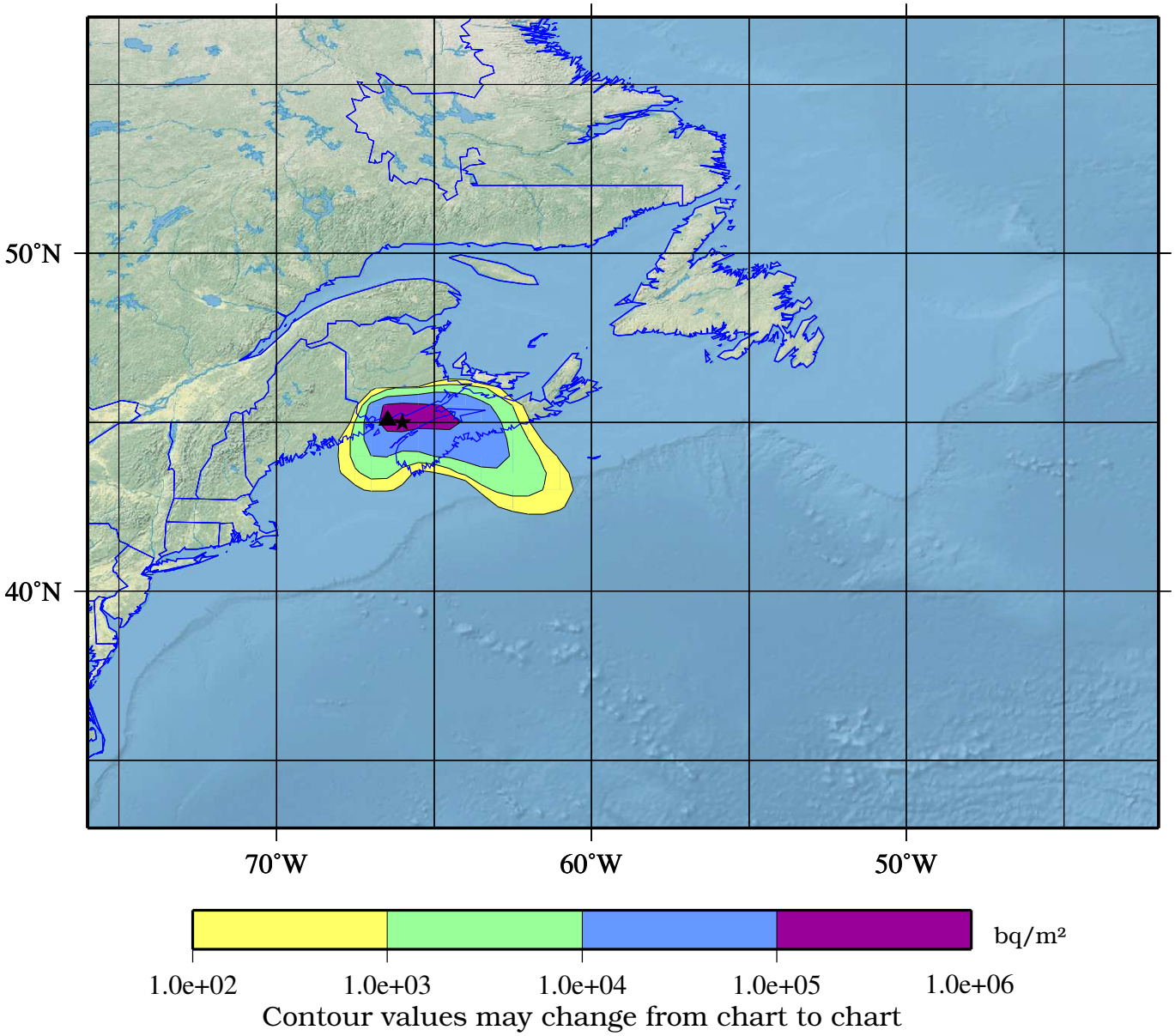
Max value for current step :
30903000 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 21/07/2020 13:51:45 UTC

# POINTE LEPREAU 20200721 Exercise 21/07/2020

Total deposition (bq/m²)
from release start
valid 22/07/2020 12h00 UTC




Contour values may change from chart to chart

Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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**RELEASE DATA**
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Emission start : 21/07/2020 13h32 UTC
Release duration : 12h
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Lon : 66.47 W ; 66º28'11" W
Emission rate : 8.3e+15 bq/h
Base : 0m
Top : 500m
Released pollutant : Cs-137

**MODEL DATA**
Grid resolution : 0.5º
Init for meteo data
21/07/2020 00UTC

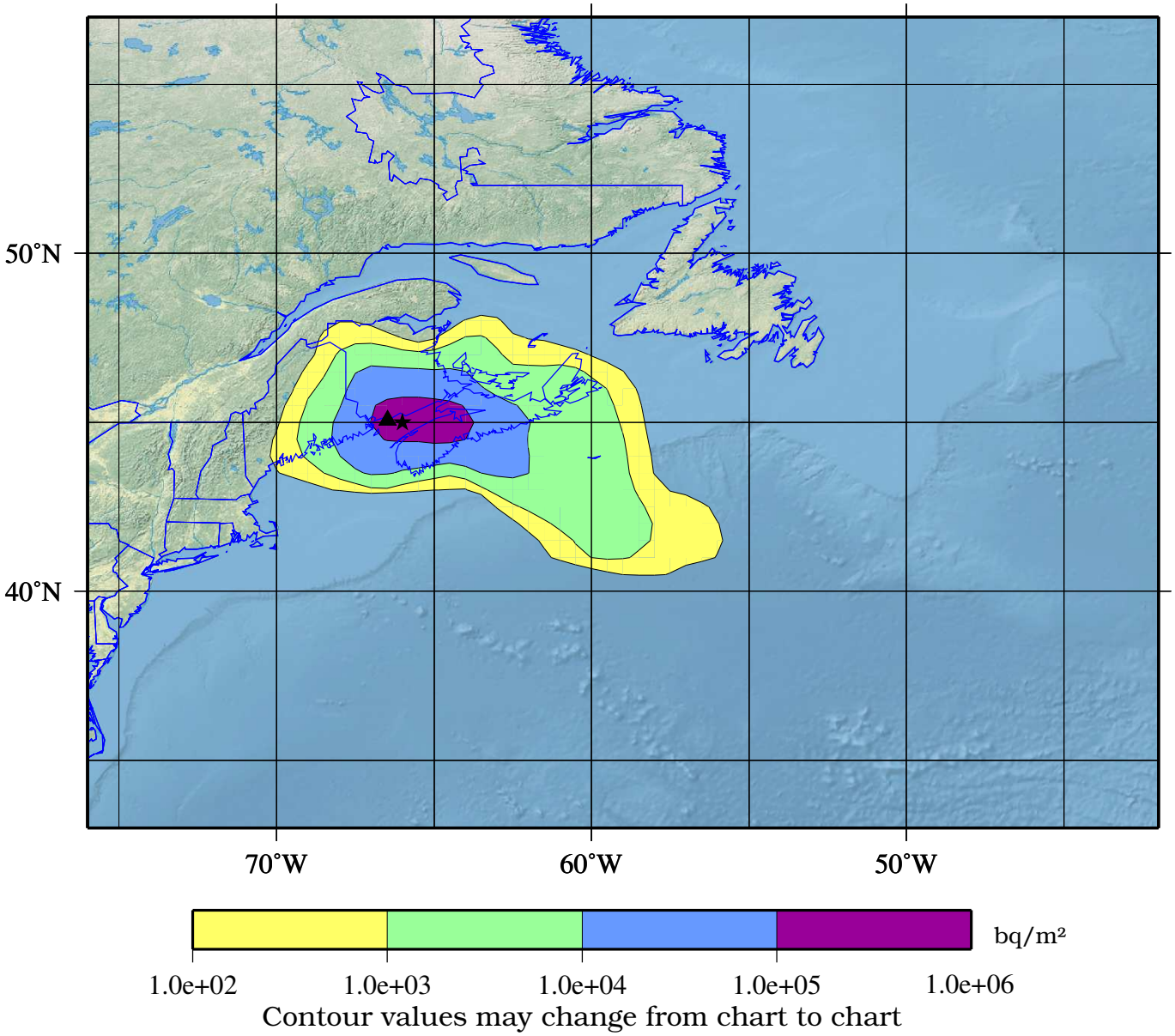
Max value for current step :
249460 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 21/07/2020 13:51:45 UTC

# POINTE LEPREAU 20200721 Exercise 21/07/2020

Total deposition (bq/m²)
from release start
valid 23/07/2020 12h00 UTC




Contour values may change from chart to chart

## Dispersion model : MOCAGE Accident

Meteo model : ECMWF

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**RELEASE DATA**

Site : POINTE LEPREAU 20200721
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Release duration : 12h
Lat : 45.07 N ; 45º4'12" N
Lon : 66.47 W ; 66º28'11" W
Emission rate : 8.3e+15 bq/h
Base : 0m
Top : 500m
Released pollutant : Cs-137

**MODEL DATA**

Grid resolution : 0.5º
Init for meteo data
21/07/2020 00UTC

Max value for current step :
332660 bq/m²

Max position ★
Source position ▲

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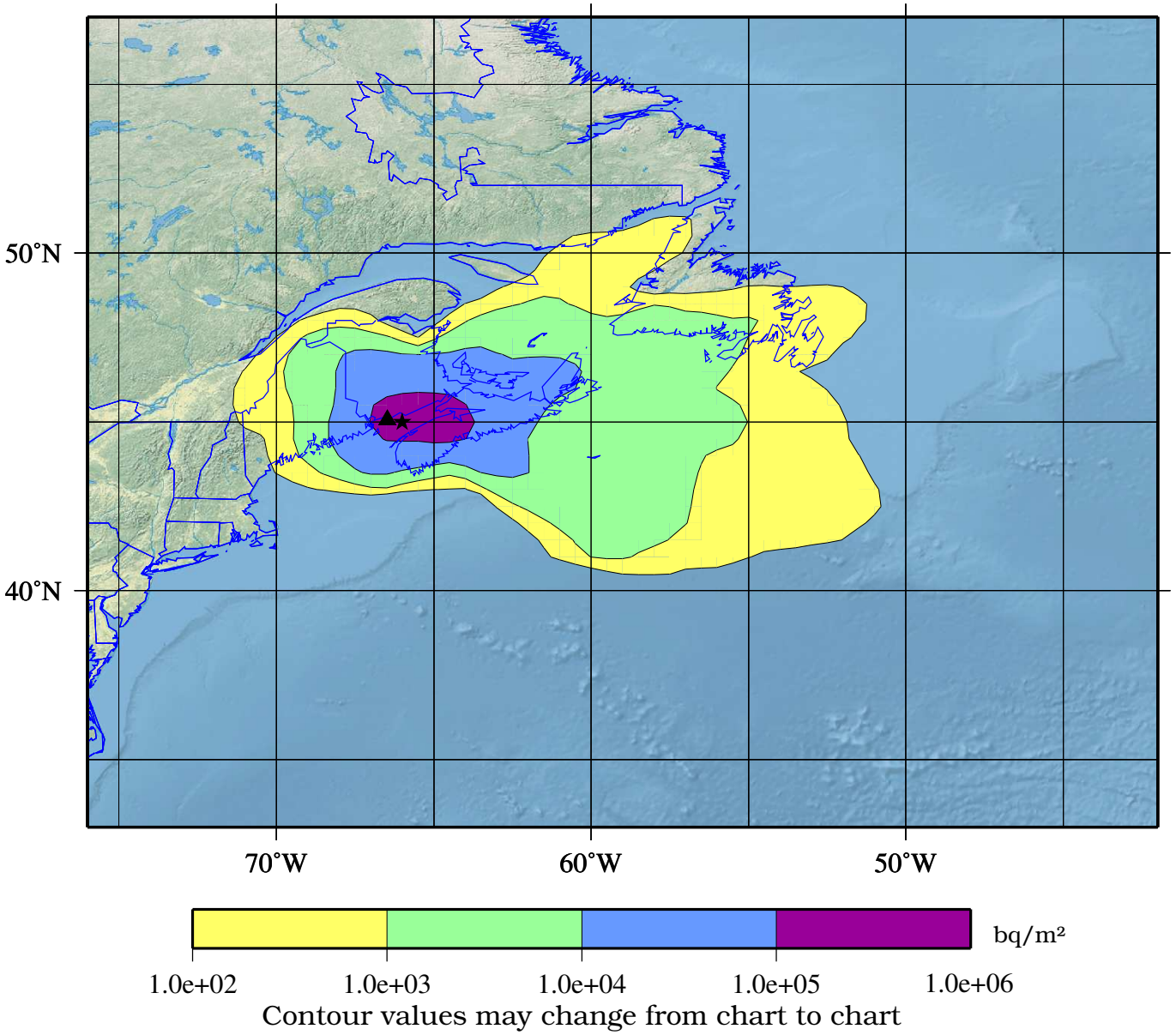
TOULOUSE RSMC
Issued 21/07/2020 13:51:45 UTC

# POINTE LEPREAU 20200721 Exercise 21/07/2020

Total deposition (bq/m²)
from release start
valid 24/07/2020 12h00 UTC




Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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**RELEASE DATA**
Site : POINTE LEPREAU 20200721
Emission start : 21/07/2020 13h32 UTC
Release duration : 12h
Lat : 45.07 N ; 45º4'12" N
Lon : 66.47 W ; 66º28'11" W
Emission rate : 8.3e+15 bq/h
Base : 0m
Top : 500m
Released pollutant : Cs-137

**MODEL DATA**
Grid resolution : 0.5º
Init for meteo data
21/07/2020 00UTC

Max value for current step :
335775 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 21/07/2020 13:51:45 UTC