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 : 0724 UTC Date : 15 May 2018

<< TEST_EVENT TEST_EVENT TEST_EVENT >>

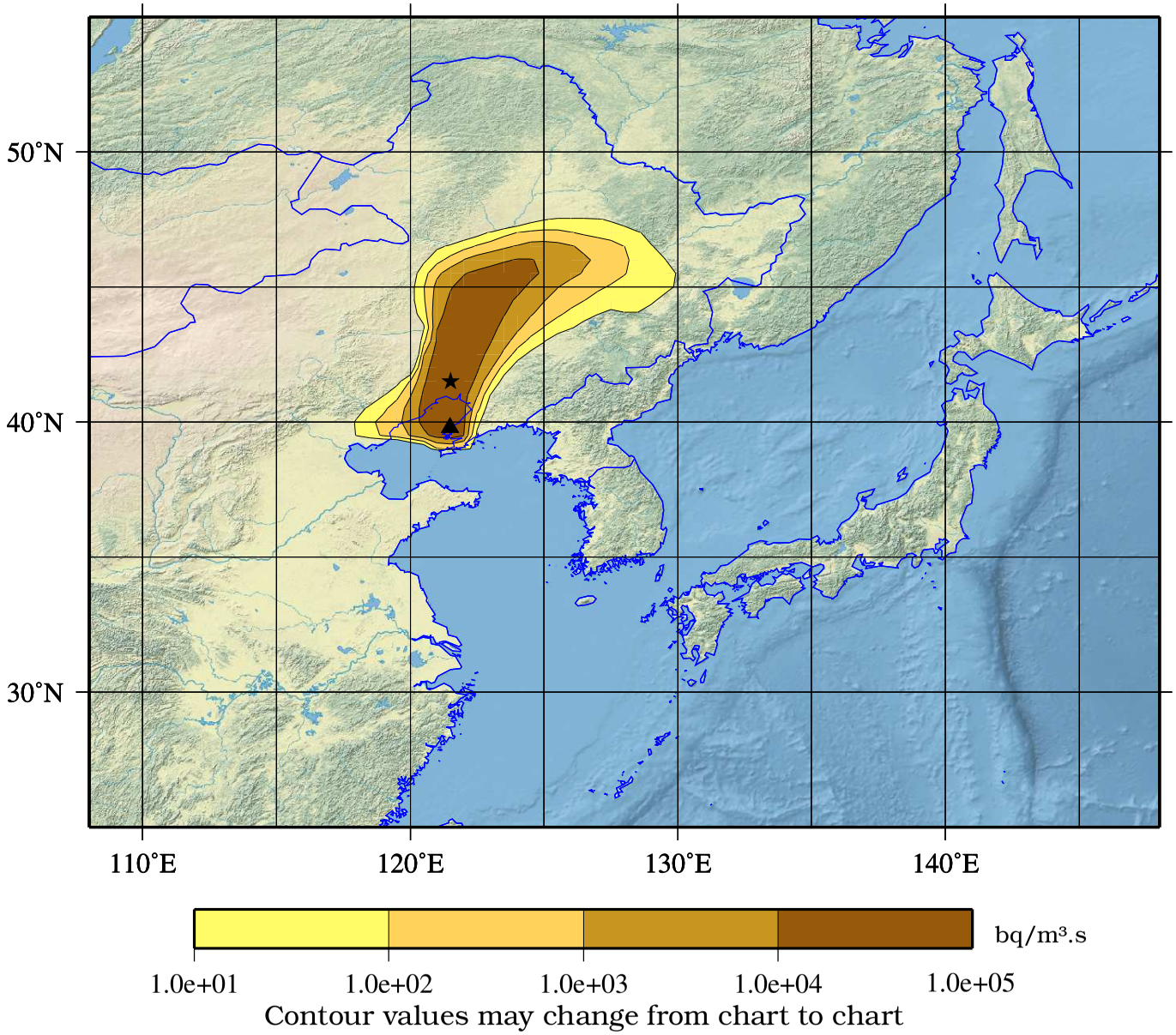
Release Time date : 04 UTC 15 May 2018
Release Location in decimal degrees : 39.79639N 121.4762E
Location name (if known) : HONGYANHE
Emission duration : 02h00
Emission (per hour) : 31250016000.0000 bq
Substance released : I-131
Vertical distribution : Uniform 20 - 500 m (AGL)
Meteorological Model : 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

HONGYANHE Exercise 15/05/2018

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 20 hours
valid 16/05/2018 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA
Site : HONGYANHE
Emission start : 15/05/2018 04h00 UTC
Release duration : 02h00
Lat : 39.79639 N ; 39º47'47" N
Lon : 121.4762 E ; 121º28'34" E
Emission rate : 3.2e+13 bq/h
Base : 20m
Top : 500m
Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
14/05/2018 12UTC

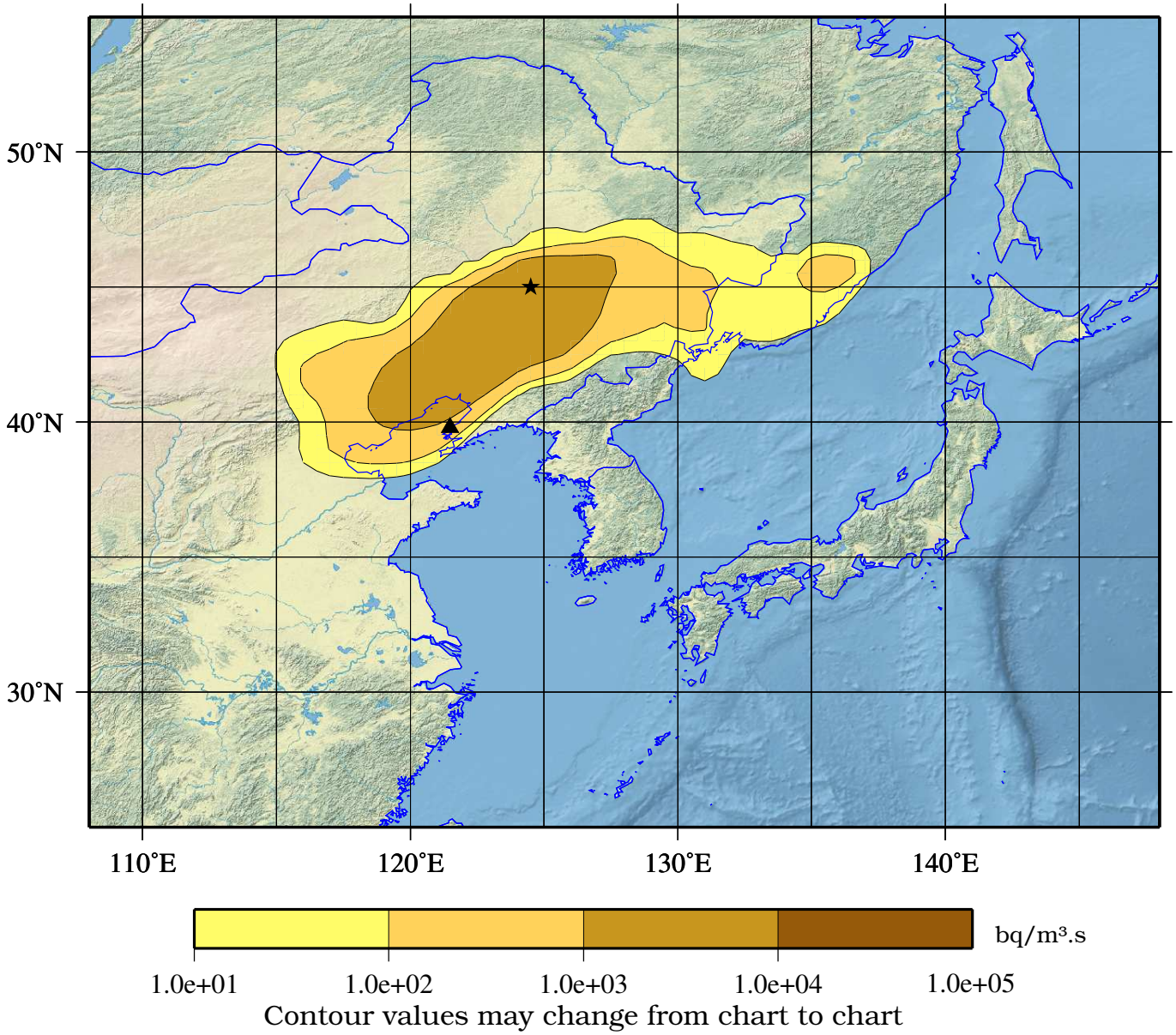
Max value for current step :
81470.4 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 15/05/2018 07:06:09 UTC

HONGYANHE Exercise 15/05/2018

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 17/05/2018 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA
Site : HONGYANHE
Emission start : 15/05/2018 04h00 UTC
Release duration : 02h00
Lat : 39.79639 N ; 39º47'47" N
Lon : 121.4762 E ; 121º28'34" E
Emission rate : 3.2e+13 bq/h
Base : 20m
Top : 500m
Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
14/05/2018 12UTC

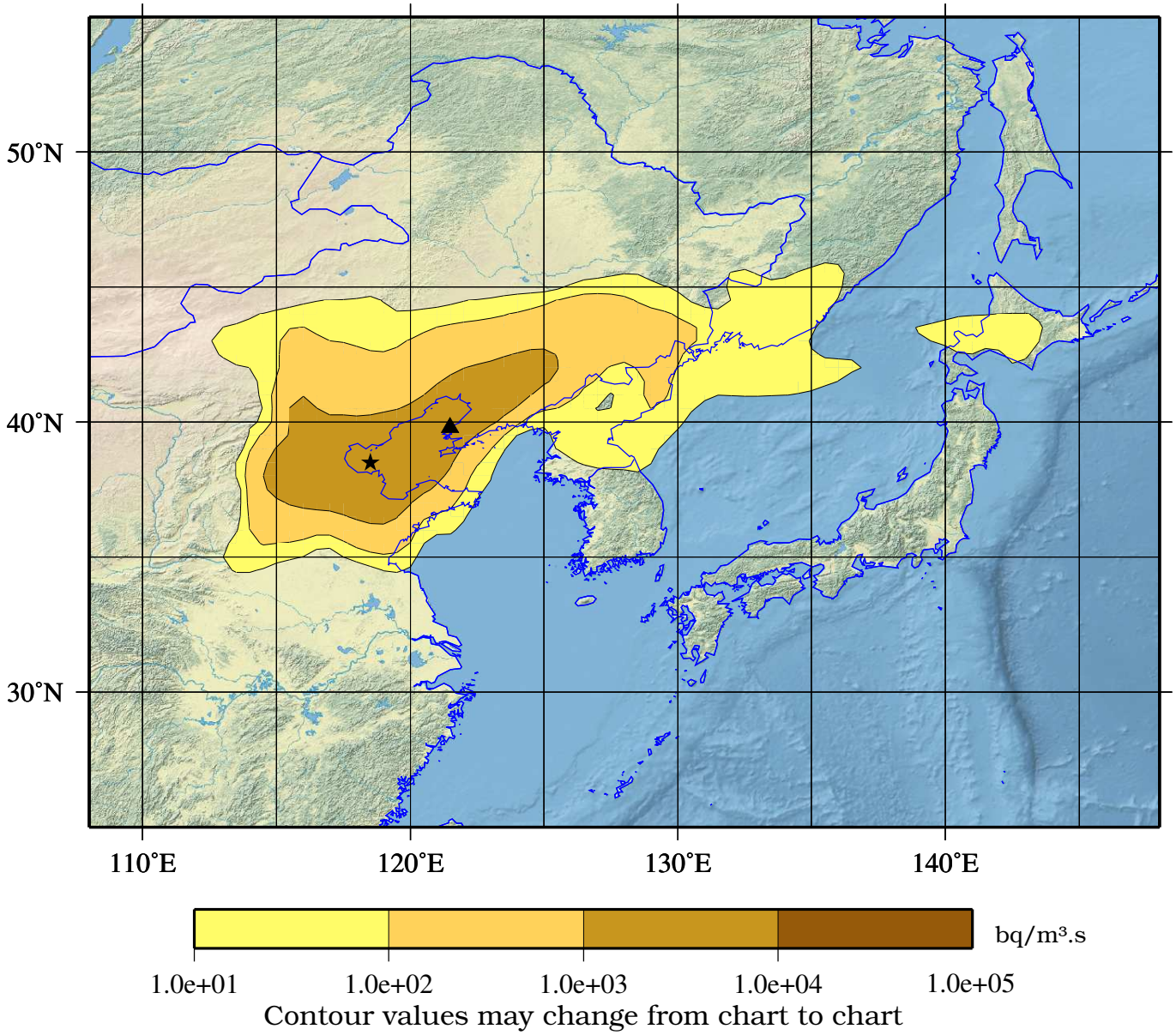
Max value for current step :
7585.78 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 15/05/2018 07:06:09 UTC

HONGYANHE Exercise 15/05/2018

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 18/05/2018 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA
Site : HONGYANHE
Emission start : 15/05/2018 04h00 UTC
Release duration : 02h00
Lat : 39.79639 N ; 39º47'47" N
Lon : 121.4762 E ; 121º28'34" E
Emission rate : 3.2e+13 bq/h
Base : 20m
Top : 500m
Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
14/05/2018 12UTC

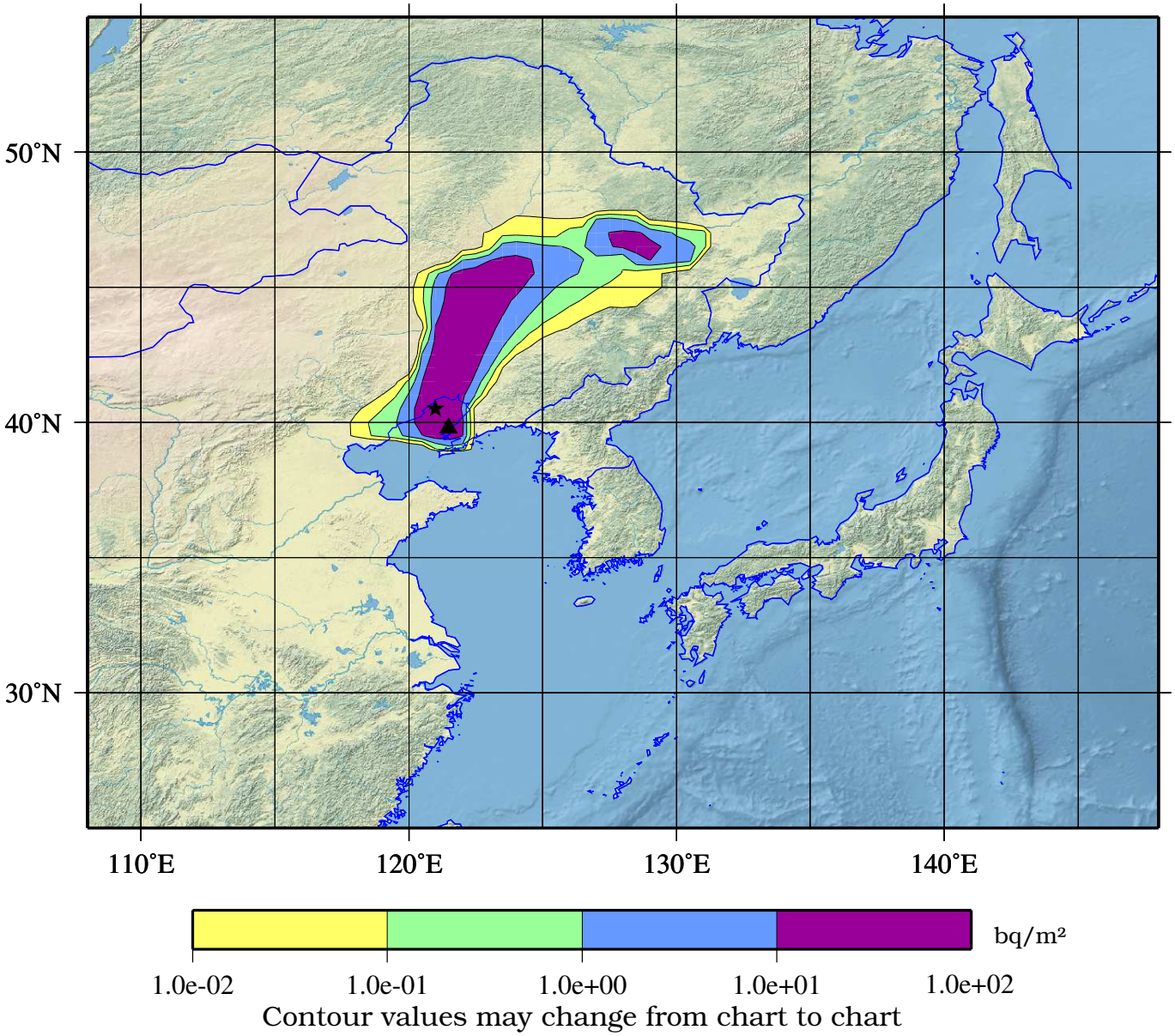
Max value for current step :
4102.04 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 15/05/2018 07:06:09 UTC

HONGYANHE Exercise 15/05/2018

Total deposition (bq/m²)
from release start
valid 16/05/2018 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA
Site : HONGYANHE
Emission start : 15/05/2018 04h00 UTC
Release duration : 02h00
Lat : 39.79639 N ; 39º47'47" N
Lon : 121.4762 E ; 121º28'34" E
Emission rate : 3.2e+13 bq/h
Base : 20m
Top : 500m
Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
14/05/2018 12UTC

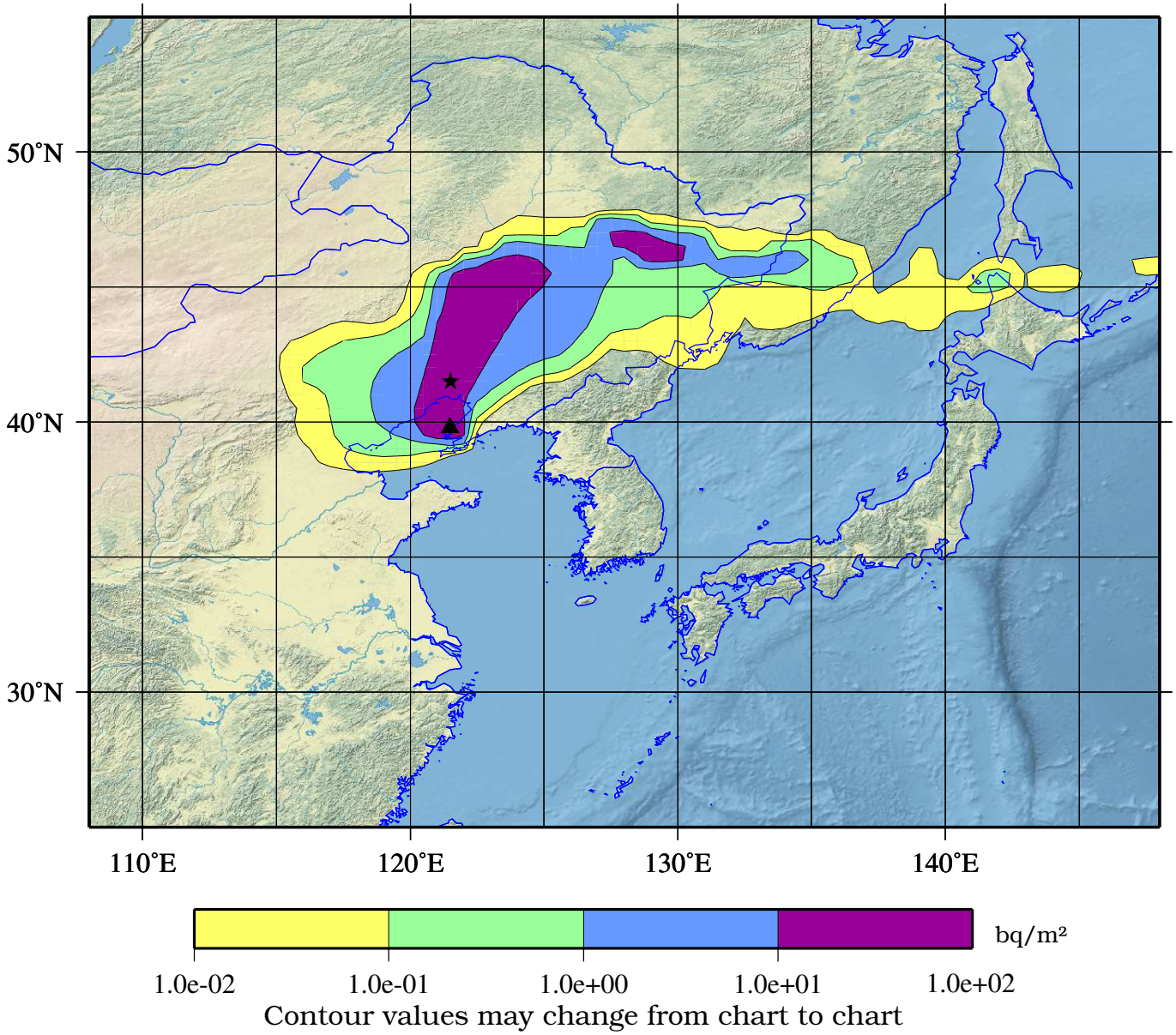
Max value for current step :
87.7002 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 15/05/2018 07:06:09 UTC

HONGYANHE Exercise 15/05/2018

Total deposition (bq/m²)
from release start
valid 17/05/2018 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA
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Release duration : 02h00
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Lon : 121.4762 E ; 121º28'34" E
Emission rate : 3.2e+13 bq/h
Base : 20m
Top : 500m
Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
14/05/2018 12UTC

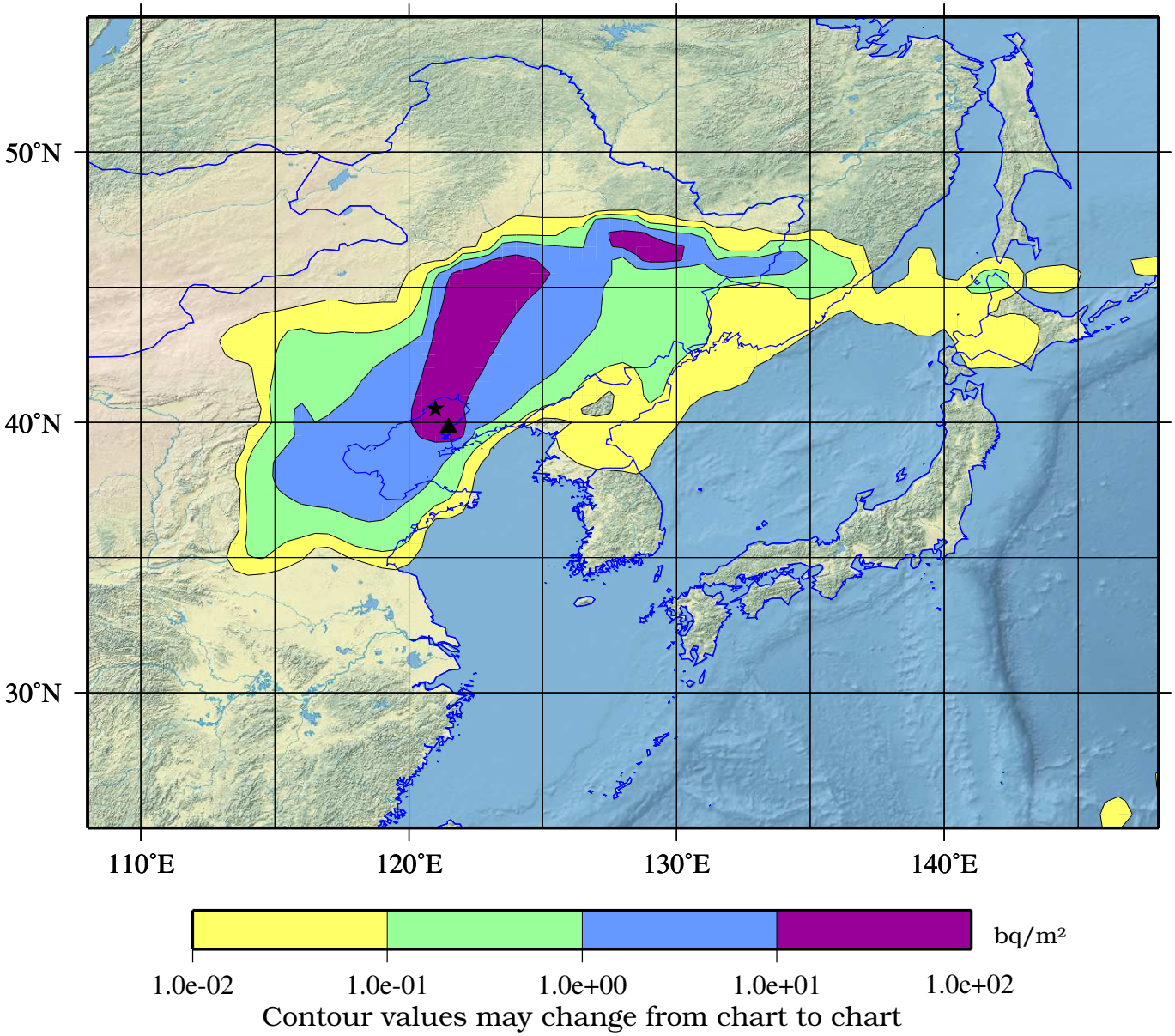
Max value for current step :
89.7442 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 15/05/2018 07:06:09 UTC

HONGYANHE Exercise 15/05/2018

Total deposition (bq/m²)
from release start
valid 18/05/2018 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA
Site : HONGYANHE
Emission start : 15/05/2018 04h00 UTC
Release duration : 02h00
Lat : 39.79639 N ; 39º47'47" N
Lon : 121.4762 E ; 121º28'34" E
Emission rate : 3.2e+13 bq/h
Base : 20m
Top : 500m
Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
14/05/2018 12UTC

Max value for current step :
91.4149 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 15/05/2018 07:06:09 UTC