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 : 0950 UTC Date : 22 Feb 2018

<< TEST_EVENT TEST_EVENT TEST_EVENT >>

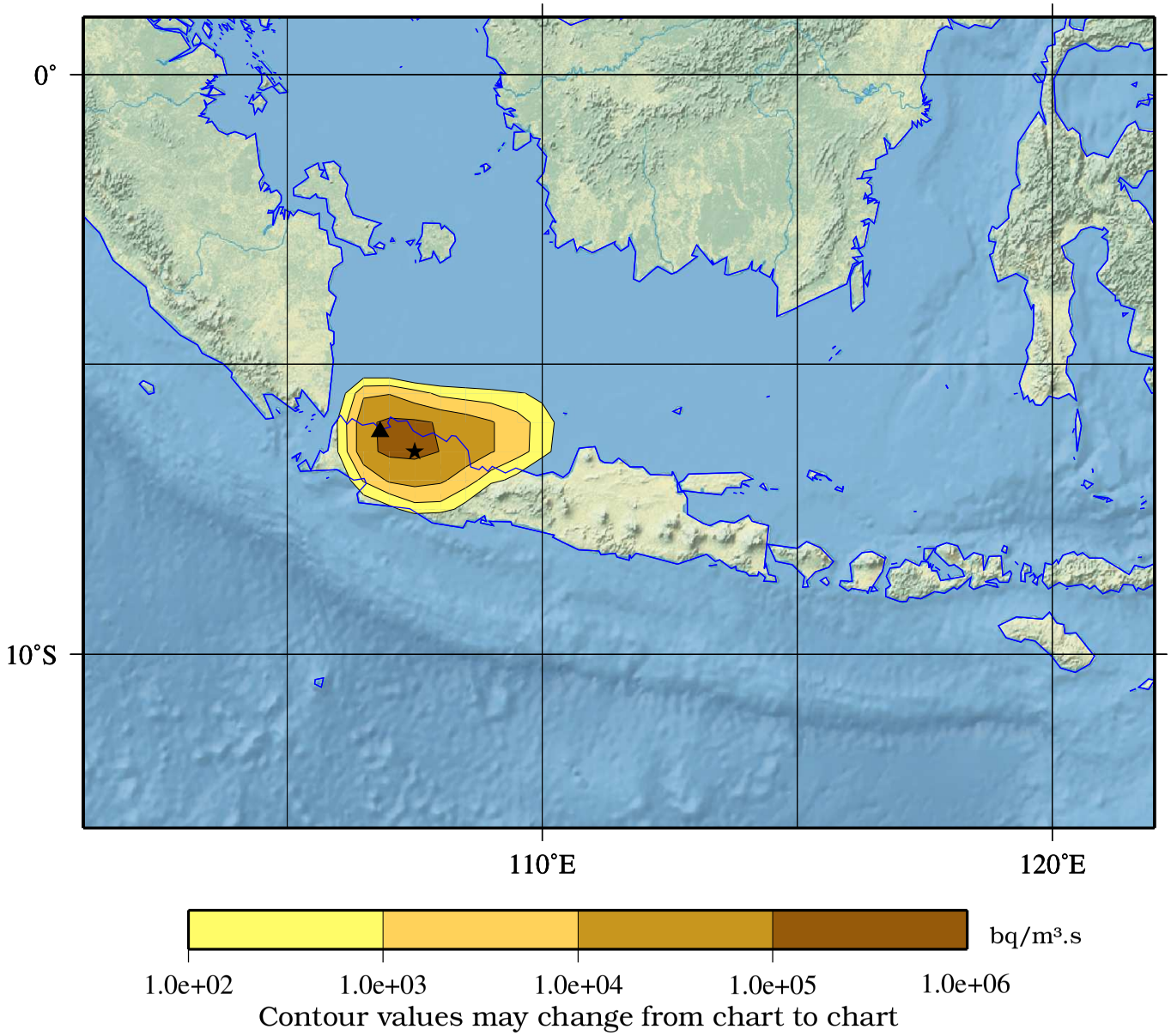
Release Time date : 05 UTC 22 Feb 2018
Release Location in decimal degrees : 6.1641S 106.8169E
Location name (if known) : Indonesie
Emission duration : 03h00
Emission (per hour) : 17733348000.0000 bq
Substance released : I-131
Vertical distribution : Uniform 20 - 500 m (AGL)
Meteorological Model : ECMWF
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

Indonesie Exercise 22/02/2018

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 19 hours
valid 23/02/2018 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA
Site : Indonesie
Emission start : 22/02/2018 05h00 UTC
Release duration : 03h00
Lat : 6.1641 S ; 6º9'50" S
Lon : 106.8169 E ; 106º49'0" E
Emission rate : 1.8e+13 bq/h
Base : 20m
Top : 500m
Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
21/02/2018 12UTC

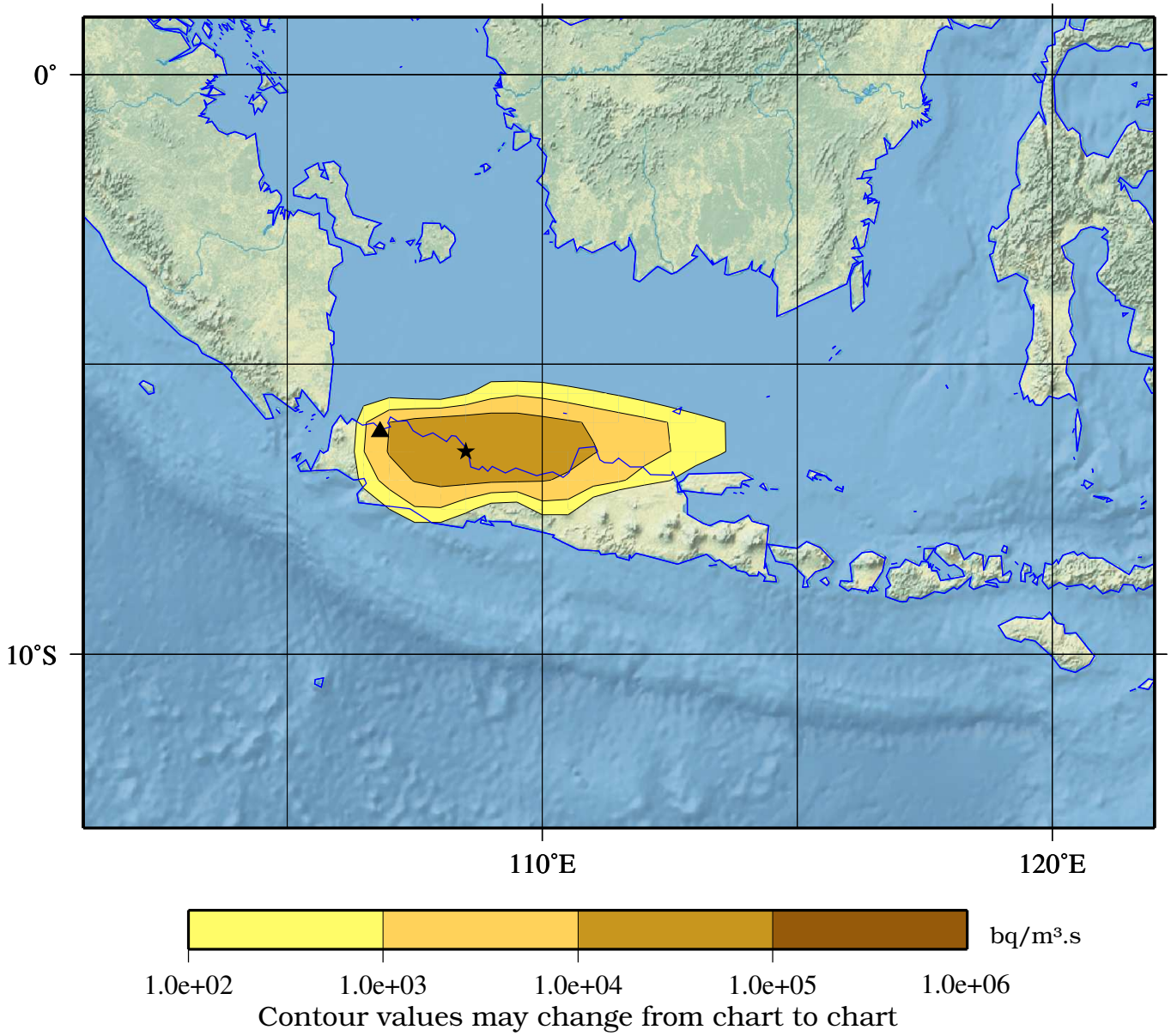
Max value for current step :
169434 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 22/02/2018 09:12:31 UTC

Indonesie Exercise 22/02/2018

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 24/02/2018 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA
Site : Indonesie
Emission start : 22/02/2018 05h00 UTC
Release duration : 03h00
Lat : 6.1641 S ; 6º9'50" S
Lon : 106.8169 E ; 106º49'0" E
Emission rate : 1.8e+13 bq/h
Base : 20m
Top : 500m
Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
21/02/2018 12UTC

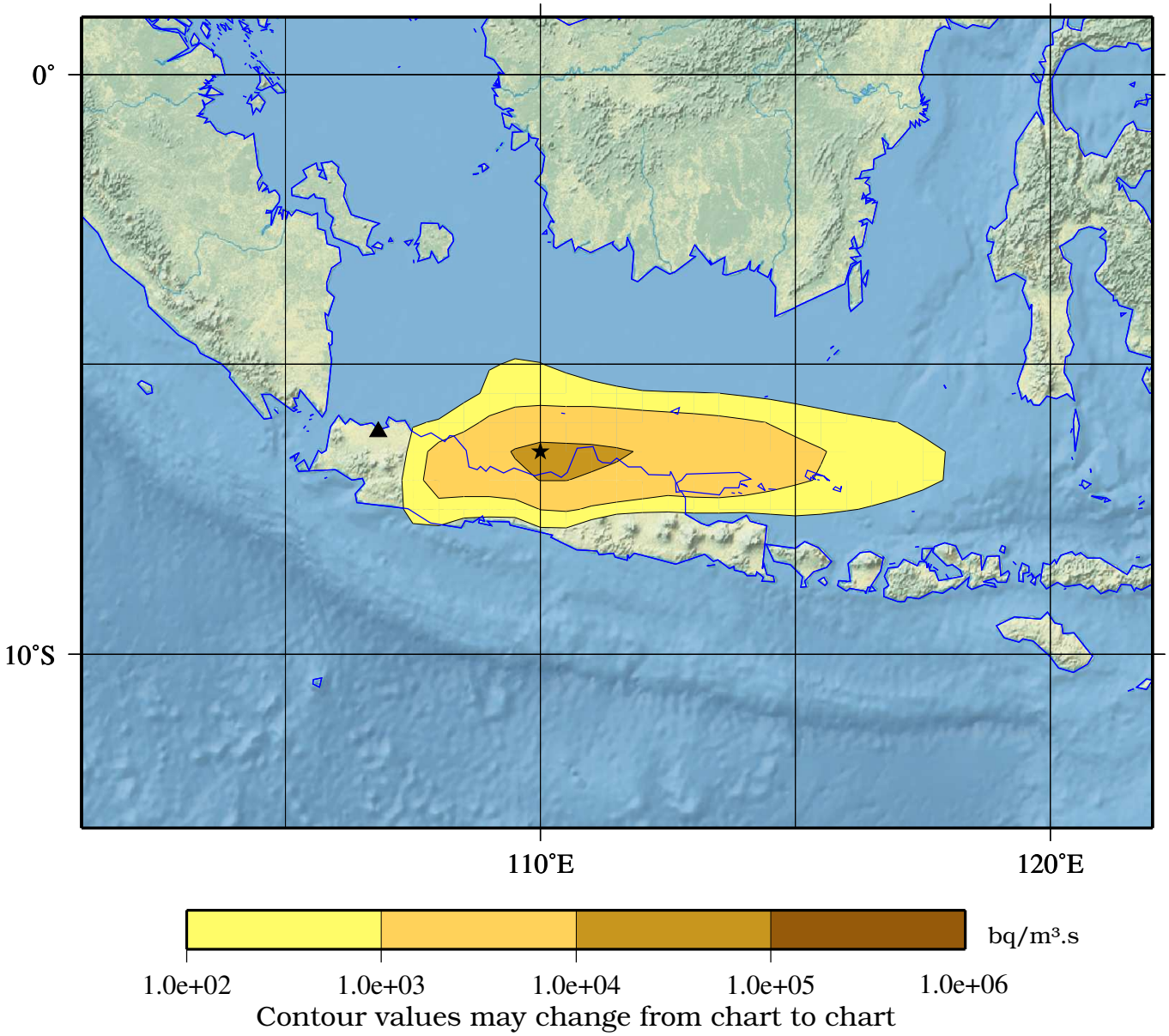
Max value for current step :
66527.3 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 22/02/2018 09:12:31 UTC

Indonesie Exercise 22/02/2018

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 25/02/2018 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA
Site : Indonesie
Emission start : 22/02/2018 05h00 UTC
Release duration : 03h00
Lat : 6.1641 S ; 6º9'50" S
Lon : 106.8169 E ; 106º49'0" E
Emission rate : 1.8e+13 bq/h
Base : 20m
Top : 500m
Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
21/02/2018 12UTC

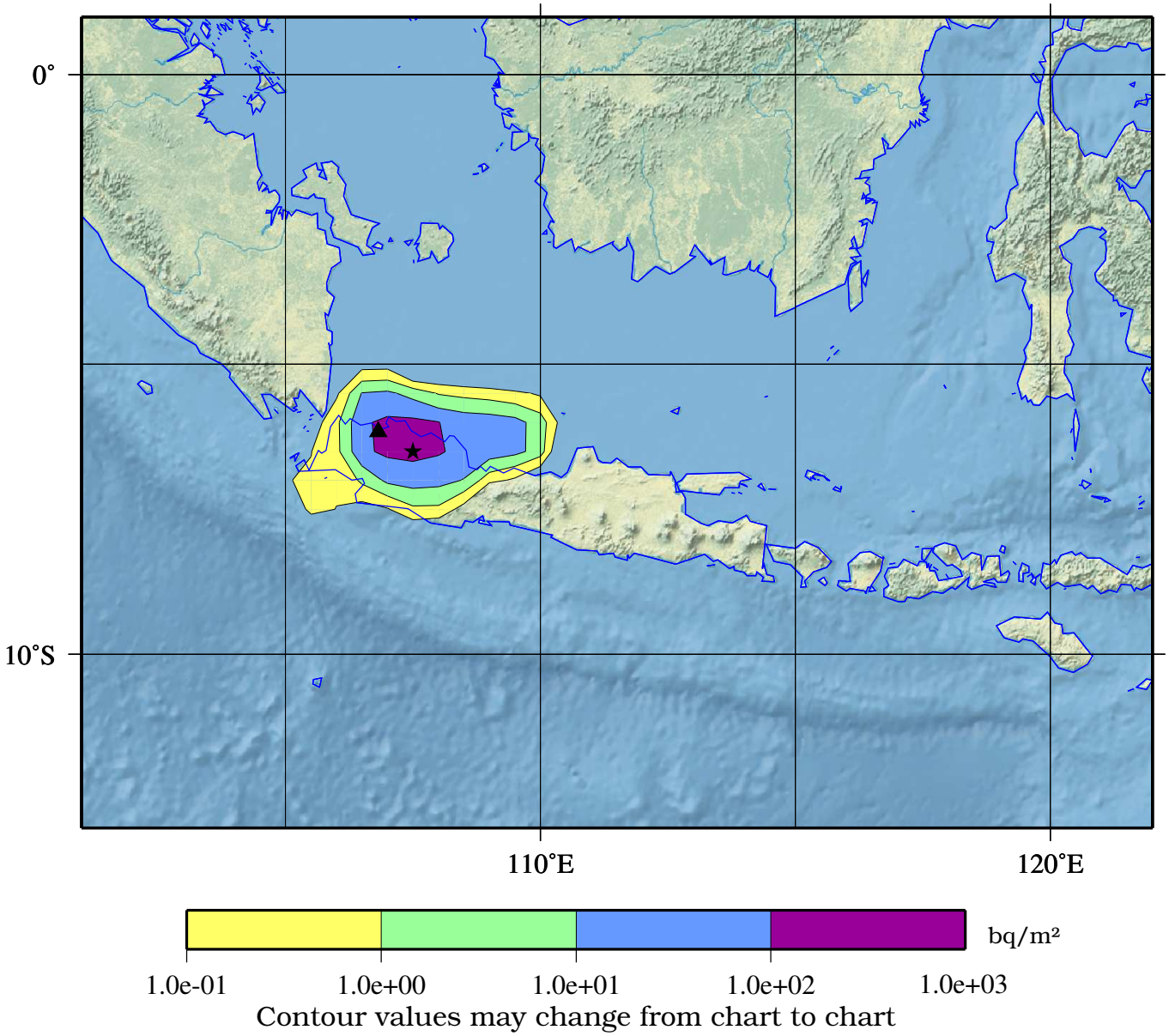
Max value for current step :
13899.5 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 22/02/2018 09:12:31 UTC

Indonesie Exercise 22/02/2018

Total deposition (bq/m²)
from release start
valid 23/02/2018 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA
Site : Indonesie
Emission start : 22/02/2018 05h00 UTC
Release duration : 03h00
Lat : 6.1641 S ; 6º9'50" S
Lon : 106.8169 E ; 106º49'0" E
Emission rate : 1.8e+13 bq/h
Base : 20m
Top : 500m
Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
21/02/2018 12UTC

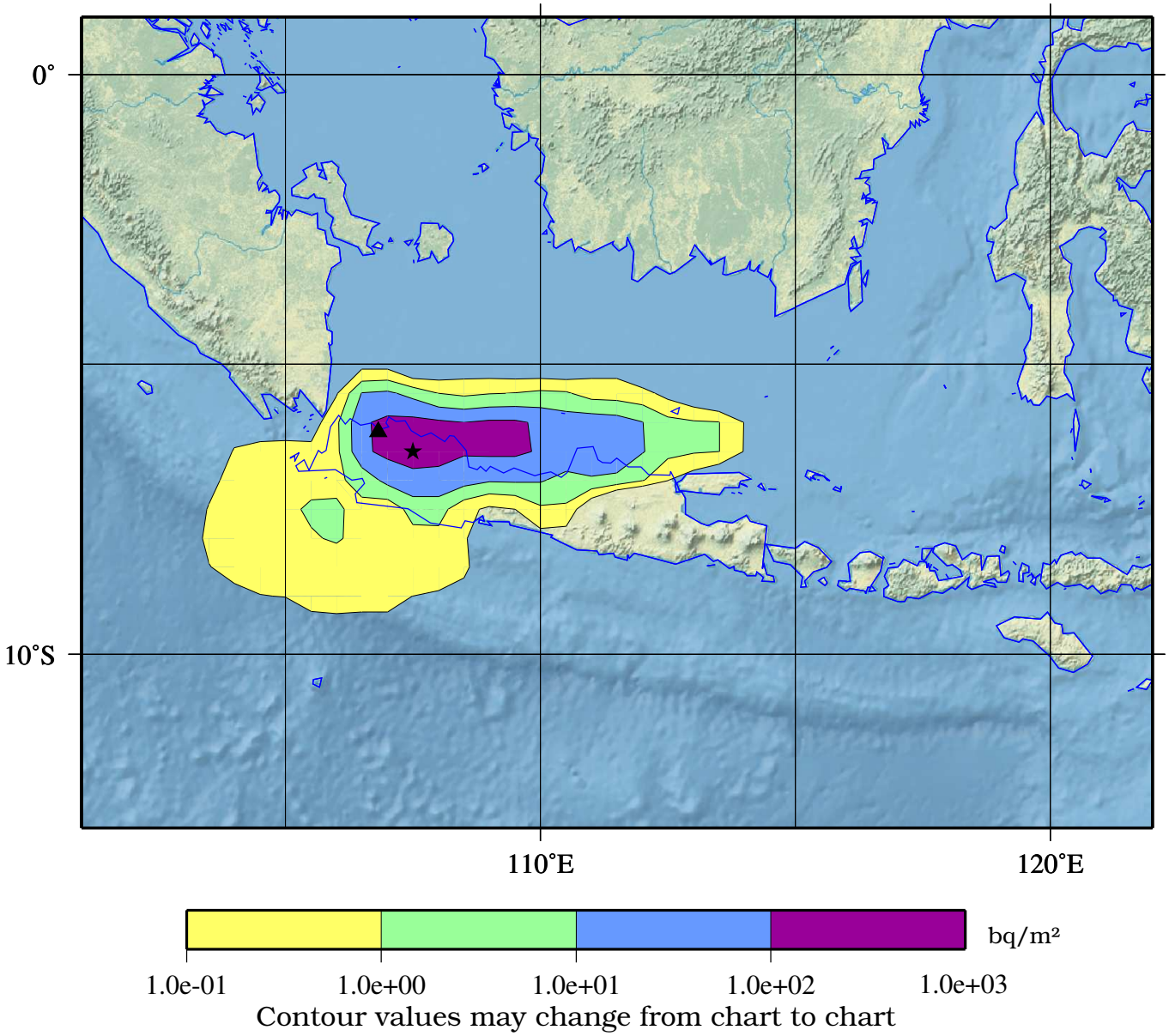
Max value for current step :
192.993 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 22/02/2018 09:12:31 UTC

Indonesie Exercise 22/02/2018

Total deposition (bq/m²)
from release start
valid 24/02/2018 00h00 UTC



Dispersion model : MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA
Site : Indonesie
Emission start : 22/02/2018 05h00 UTC
Release duration : 03h00
Lat : 6.1641 S ; 6º9'50" S
Lon : 106.8169 E ; 106º49'0" E
Emission rate : 1.8e+13 bq/h
Base : 20m
Top : 500m
Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
21/02/2018 12UTC

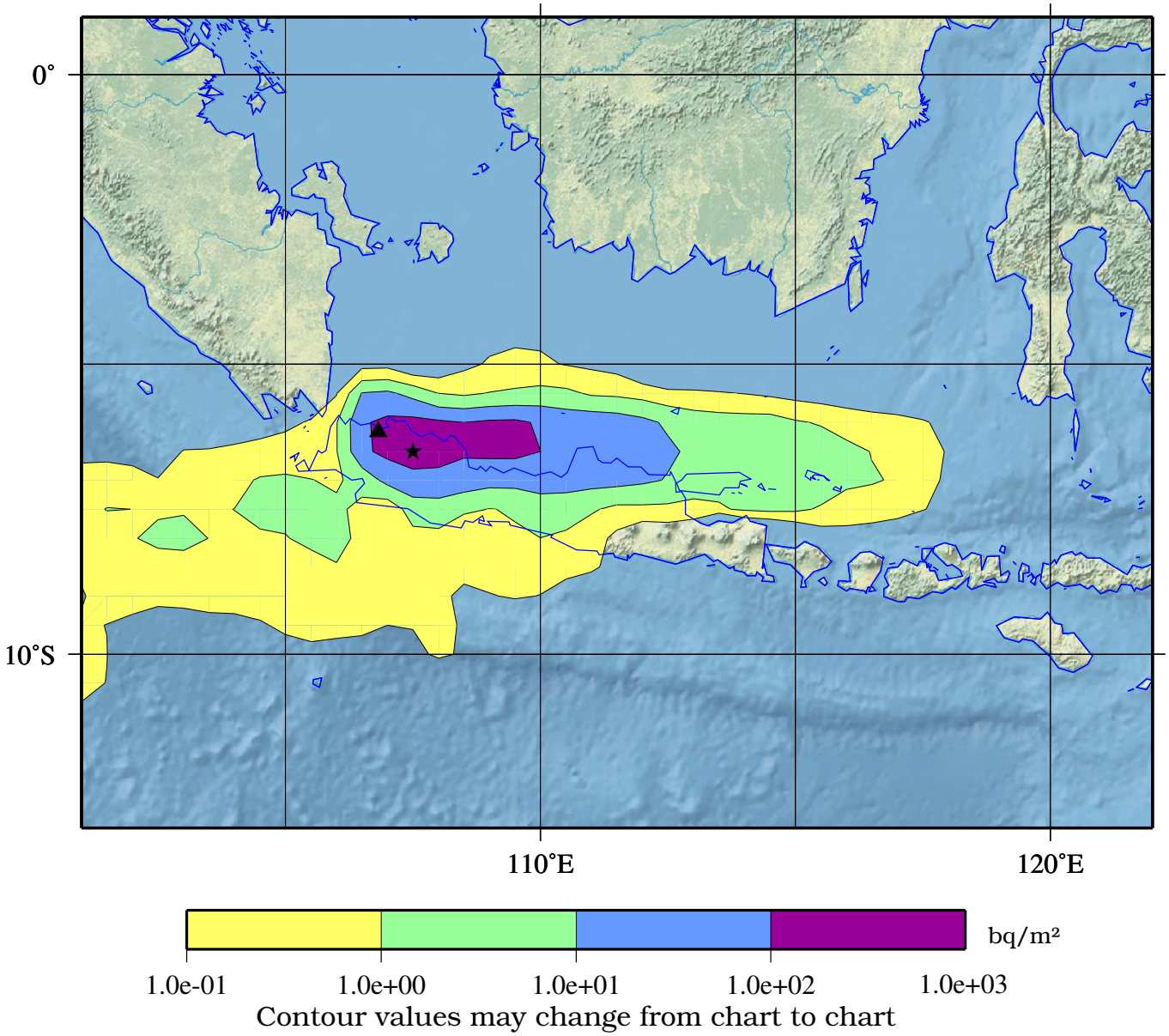
Max value for current step :
244.348 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 22/02/2018 09:12:31 UTC

Indonesie Exercise 22/02/2018

Total deposition (bq/m²)
from release start
valid 25/02/2018 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA
Site : Indonesie
Emission start : 22/02/2018 05h00 UTC
Release duration : 03h00
Lat : 6.1641 S ; 6º9'50" S
Lon : 106.8169 E ; 106º49'0" E
Emission rate : 1.8e+13 bq/h
Base : 20m
Top : 500m
Released pollutant : I-131

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
21/02/2018 12UTC

Max value for current step :
244.911 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 22/02/2018 09:12:31 UTC