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 : 1616 UTC Date : 15 Aug 2017

<< TEST_EVENT TEST_EVENT TEST_EVENT >>

Release Time date : 10 UTC 15 Aug 2017
Release Location in decimal degrees : 2.8965N 101.7534E
Location name (if known) : PUSPATI
Emission duration : 01h30
Emission (per hour) : 29066652000.0000 bq
Substance released : Co-60
Vertical distribution : Uniform 25 - 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

PUSPATI Exercise 15/08/2017

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 14 hours
valid 16/08/2017 00h00 UTC

Contour values may change from chart to chart

Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

-
-

RELEASE DATA
Site : PUSPATI
Emission start : 15/08/2017 10h00 UTC
Release duration : 01h30
Lat : 2.8965 N ; 2º53'47" N
Lon : 101.7534 E ; 101º45'12" E
Emission rate : 2.9e+13 bq/h
Base : 25m
Top : 500m
Released pollutant : Co-60

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
15/08/2017 00UTC

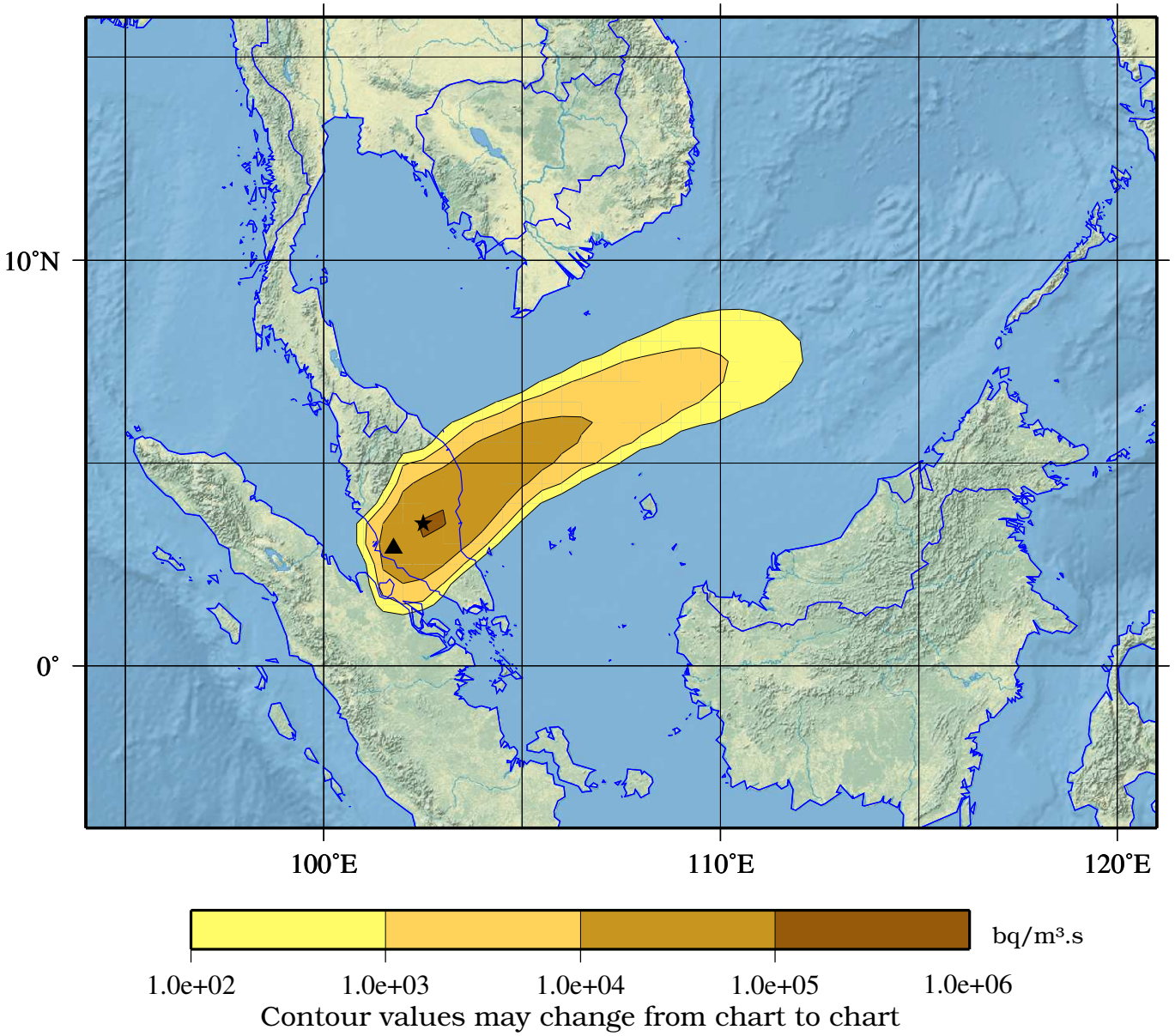
Max value for current step :
169434 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 15/08/2017 16:10:36 UTC

PUSPATI Exercise 15/08/2017

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 17/08/2017 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

-
-

RELEASE DATA
Site : PUSPATI
Emission start : 15/08/2017 10h00 UTC
Release duration : 01h30
Lat : 2.8965 N ; 2º53'47" N
Lon : 101.7534 E ; 101º45'12" E
Emission rate : 2.9e+13 bq/h
Base : 25m
Top : 500m
Released pollutant : Co-60

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
15/08/2017 00UTC

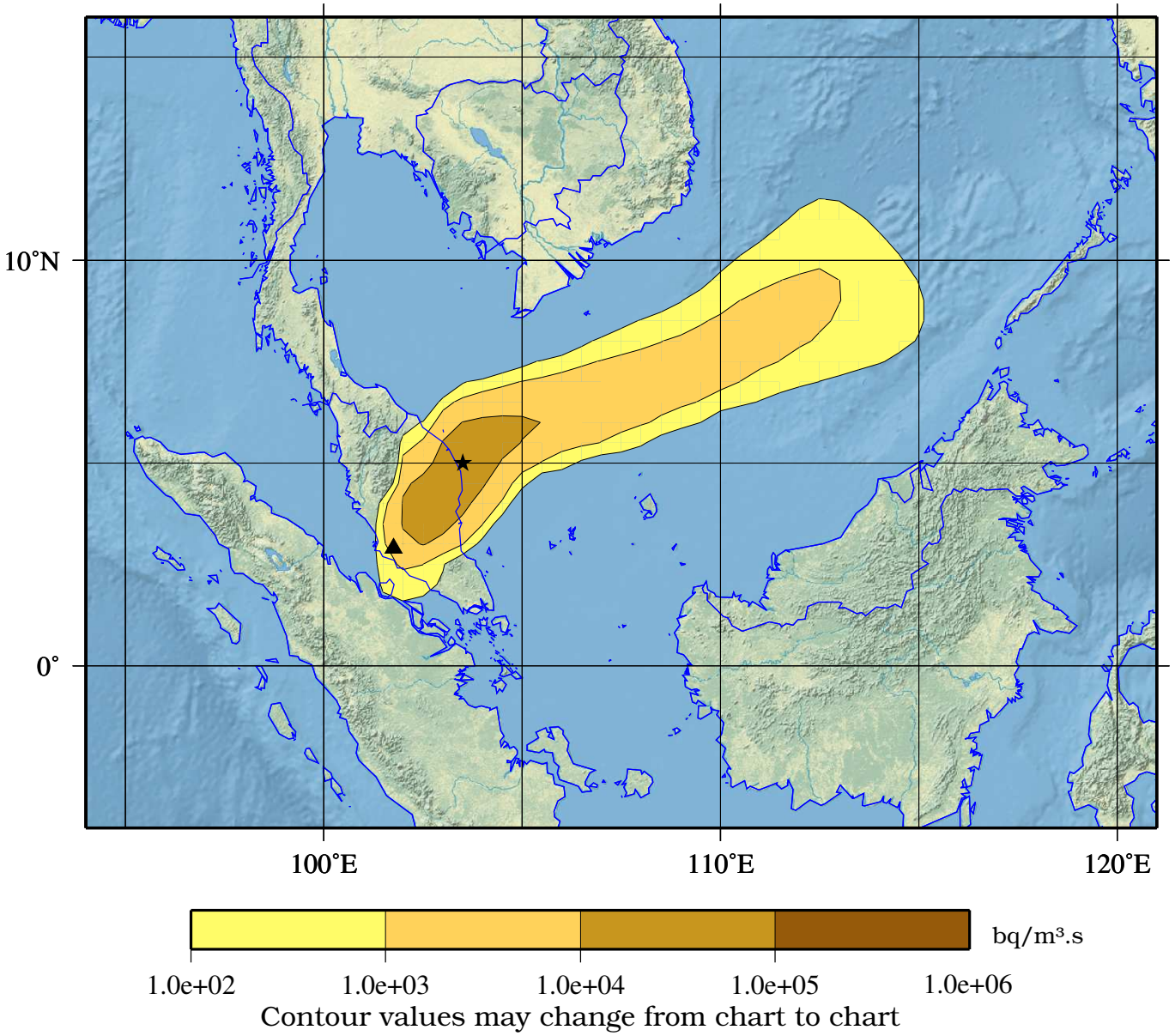
Max value for current step :
114288 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 15/08/2017 16:10:36 UTC

PUSPATI Exercise 15/08/2017

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 18/08/2017 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

-
-

RELEASE DATA
Site : PUSPATI
Emission start : 15/08/2017 10h00 UTC
Release duration : 01h30
Lat : 2.8965 N ; 2º53'47" N
Lon : 101.7534 E ; 101º45'12" E
Emission rate : 2.9e+13 bq/h
Base : 25m
Top : 500m
Released pollutant : Co-60

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
15/08/2017 00UTC

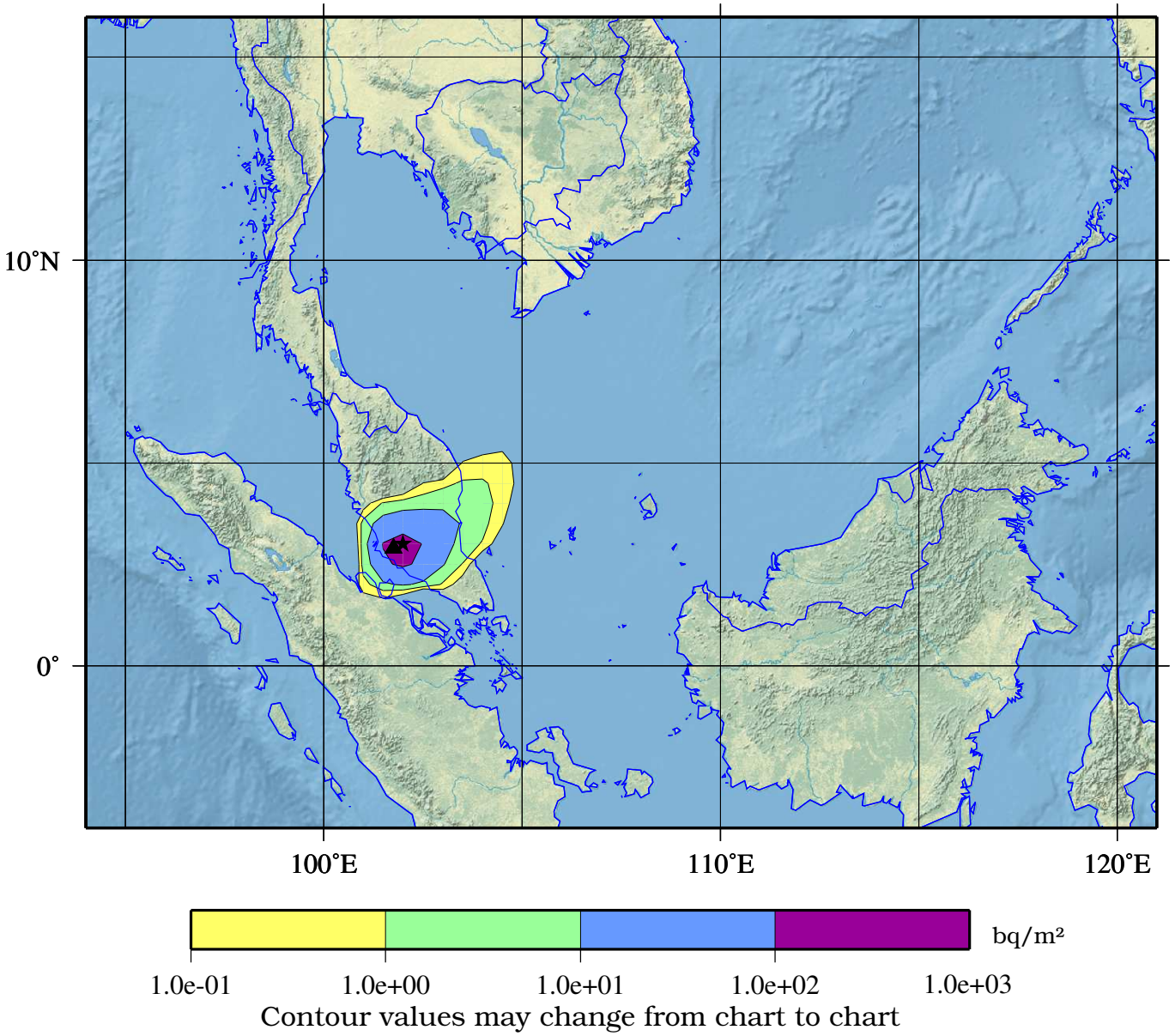
Max value for current step :
25644.8 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 15/08/2017 16:10:36 UTC

PUSPATI Exercise 15/08/2017

Total deposition (bq/m²)
from release start
valid 16/08/2017 00h00 UTC



Dispersion model : MOCAGE Accident

Meteo model : ECMWF

-
-

RELEASE DATA

Site : PUSPATI
Emission start : 15/08/2017 10h00 UTC
Release duration : 01h30
Lat : 2.8965 N ; 2º53'47" N
Lon : 101.7534 E ; 101º45'12" E
Emission rate : 2.9e+13 bq/h
Base : 25m
Top : 500m
Released pollutant : Co-60

MODEL DATA

Grid resolution : 0.5º
Init for meteo data
15/08/2017 00UTC

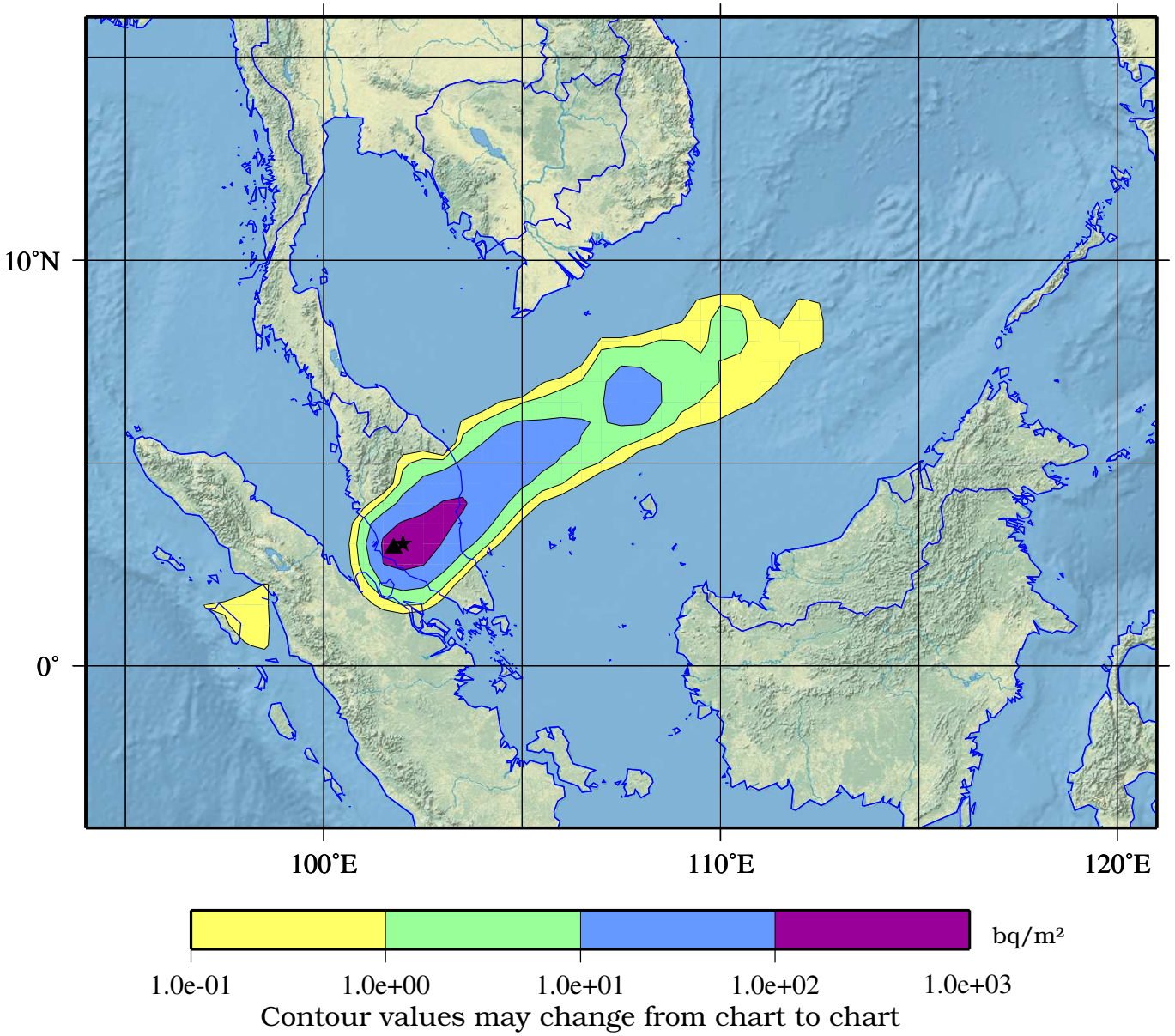
Max value for current step :
173.322 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 15/08/2017 16:10:36 UTC

PUSPATI Exercise 15/08/2017

Total deposition (bq/m²)
from release start
valid 17/08/2017 00h00 UTC



Dispersion model : MOCAGE Accident

Meteo model : ECMWF

-
-

RELEASE DATA

Site : PUSPATI
Emission start : 15/08/2017 10h00 UTC
Release duration : 01h30
Lat : 2.8965 N ; 2º53'47" N
Lon : 101.7534 E ; 101º45'12" E
Emission rate : 2.9e+13 bq/h
Base : 25m
Top : 500m
Released pollutant : Co-60

MODEL DATA

Grid resolution : 0.5º
Init for meteo data
15/08/2017 00UTC

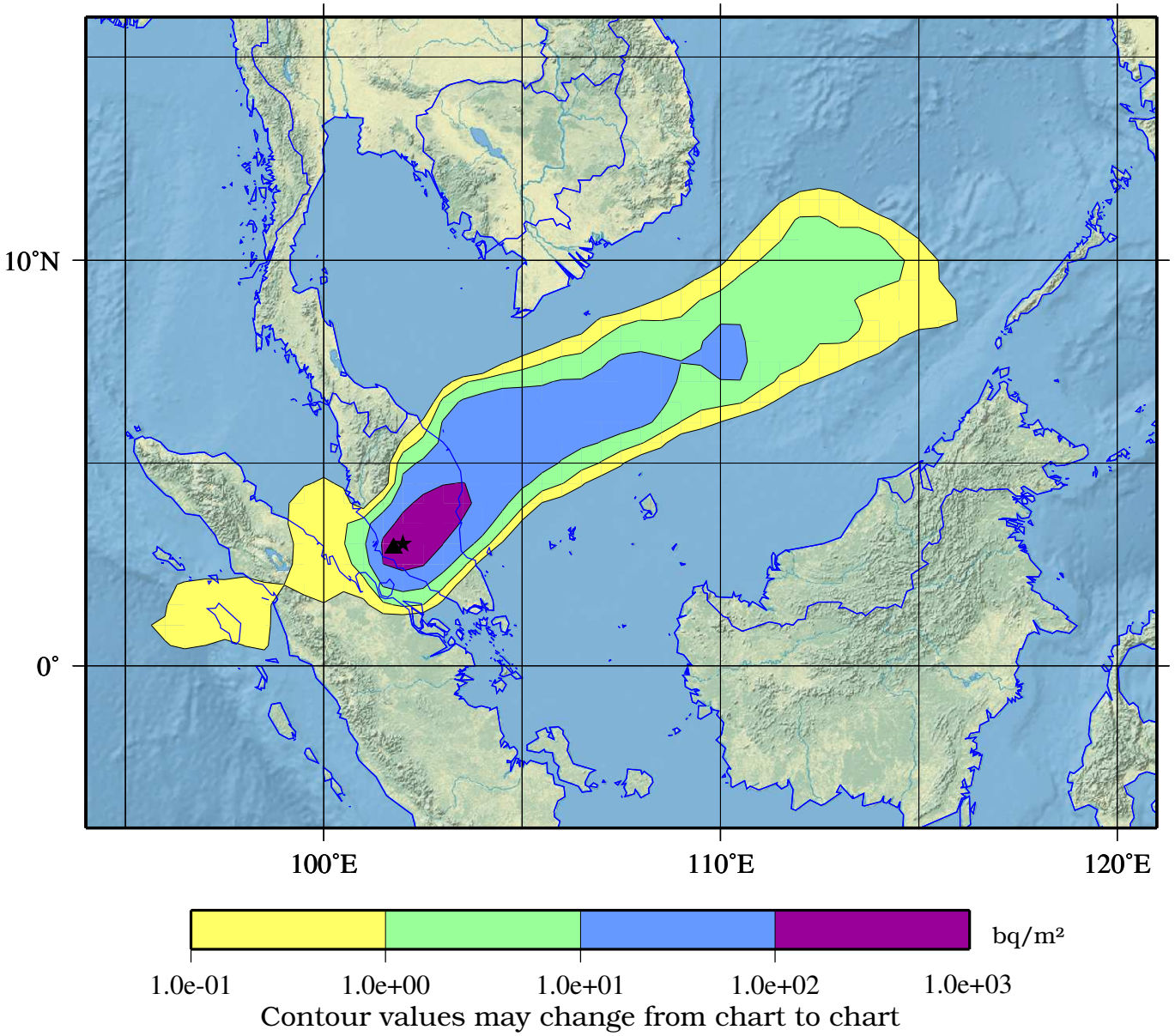
Max value for current step :
258.174 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 15/08/2017 16:10:36 UTC

PUSPATI Exercise 15/08/2017

Total deposition (bq/m²)
from release start
valid 18/08/2017 00h00 UTC



Dispersion model : MOCAGE Accident

Meteo model : ECMWF

-
-

RELEASE DATA

Site : PUSPATI
Emission start : 15/08/2017 10h00 UTC
Release duration : 01h30
Lat : 2.8965 N ; 2º53'47" N
Lon : 101.7534 E ; 101º45'12" E
Emission rate : 2.9e+13 bq/h
Base : 25m
Top : 500m
Released pollutant : Co-60

MODEL DATA

Grid resolution : 0.5º
Init for meteo data
15/08/2017 00UTC

Max value for current step :
275.541 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 15/08/2017 16:10:36 UTC