METEO FRANCE
Toujours un temps d'avance

METEO-FRANCE TOULOUSE, FRANCE

RSMC for Environmental Emergency Response

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Telephone : +33 5 61 07 80 42

Time : 1402 UTC Date : 24 Feb 2020

<< TEST_EVENT TEST_EVENT TEST_EVENT >>

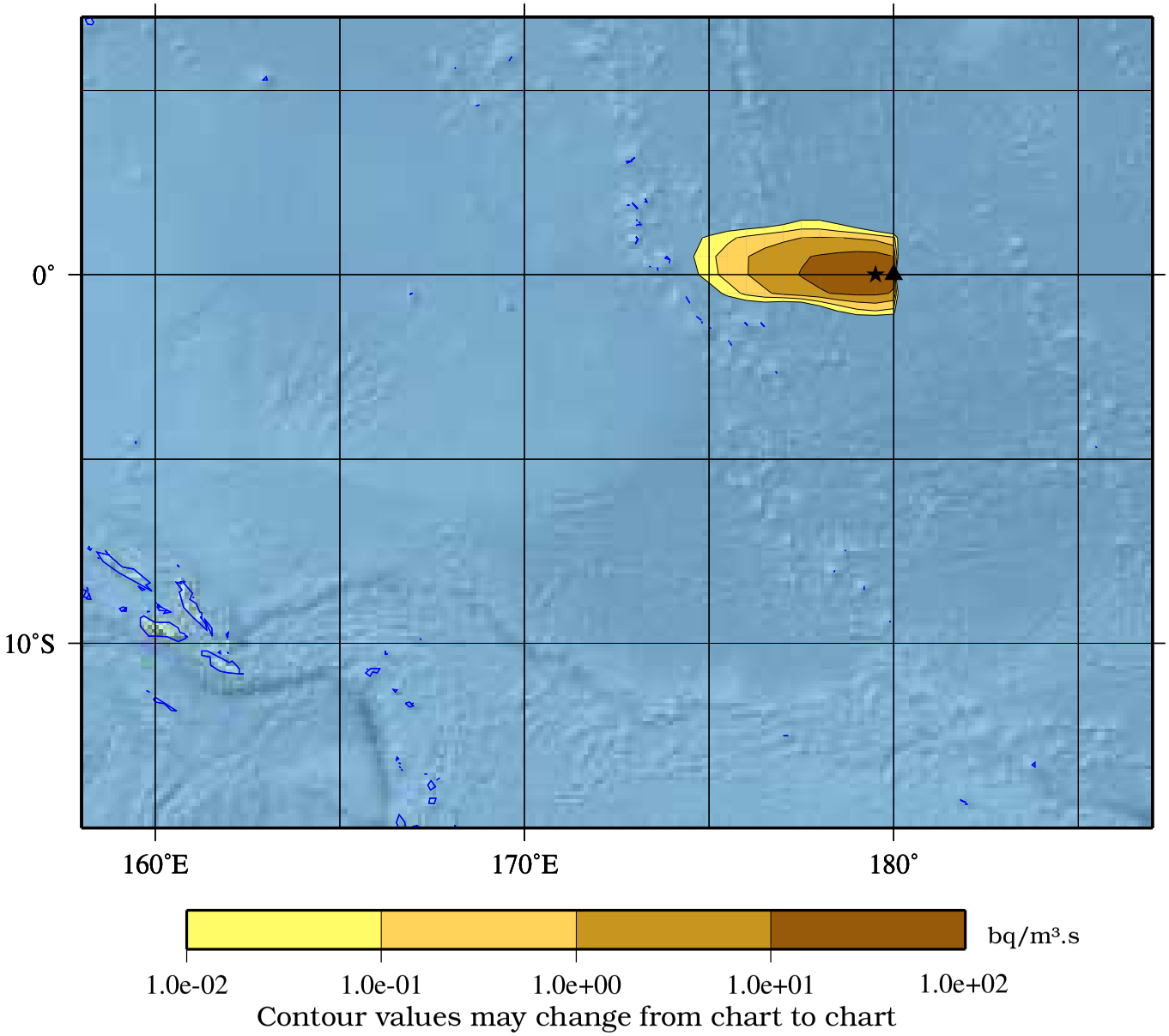
Release Time date : 10 UTC 06 Feb 2020
Release Location in decimal degrees : 0N 180E
Location name (if known) : Pacifique00N180E_TEST_20200206
Emission duration : 12h00
Emission (per hour) : 1710914400.0000 bq
Substance released : U-235
Vertical distribution : Uniform 0 - 4807 m (AGL)
Meteorological Model : CEP_0125_CMRS_NUC
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

Pacifique00N180E TEST 20200206 Test 06/02/2020

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 14 hours
valid 07/02/2020 00h00 UTC



Contour values may change from chart to chart

Dispersion model : MOCAGE Accident

Meteo model : ECMWF

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RELEASE DATA

Site : Pacifique00N180E TEST 20200206
Emission start : 06/02/2020 10h10 UTC
Release duration : 12h
Lat : 0 N ; 0º0'0" N
Lon : 180 E ; 180º0'0" E
Emission rate : 1.8e+10 bq/h
Base : 0m
Top : 4807m
Released pollutant : U-235

MODEL DATA

Grid resolution : 0.5º
Init for meteo data
06/02/2020 00UTC

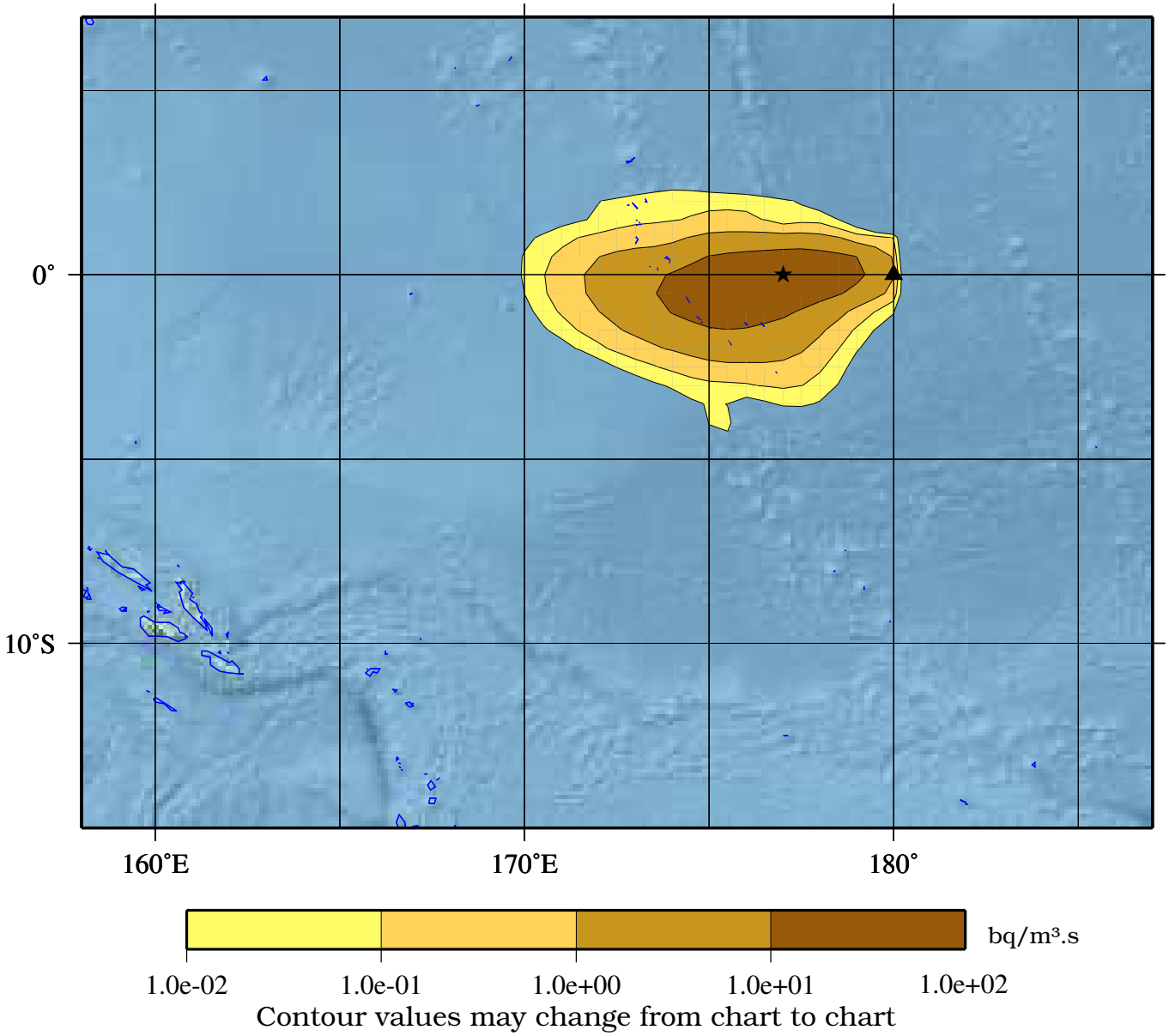
Max value for current step :
40.3645 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 06/02/2020 15:35:04 UTC

Pacifique00N180E TEST 20200206 Test 06/02/2020

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 08/02/2020 00h00 UTC



Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA
Site : Pacifique00N180E TEST 20200206
Emission start : 06/02/2020 10h10 UTC
Release duration : 12h
Lat : 0 N ; 0º0'0" N
Lon : 180 E ; 180º0'0" E
Emission rate : 1.8e+10 bq/h
Base : 0m
Top : 4807m
Released pollutant : U-235

MODEL DATA
Grid resolution : 0.5º
Init for meteo data
06/02/2020 00UTC

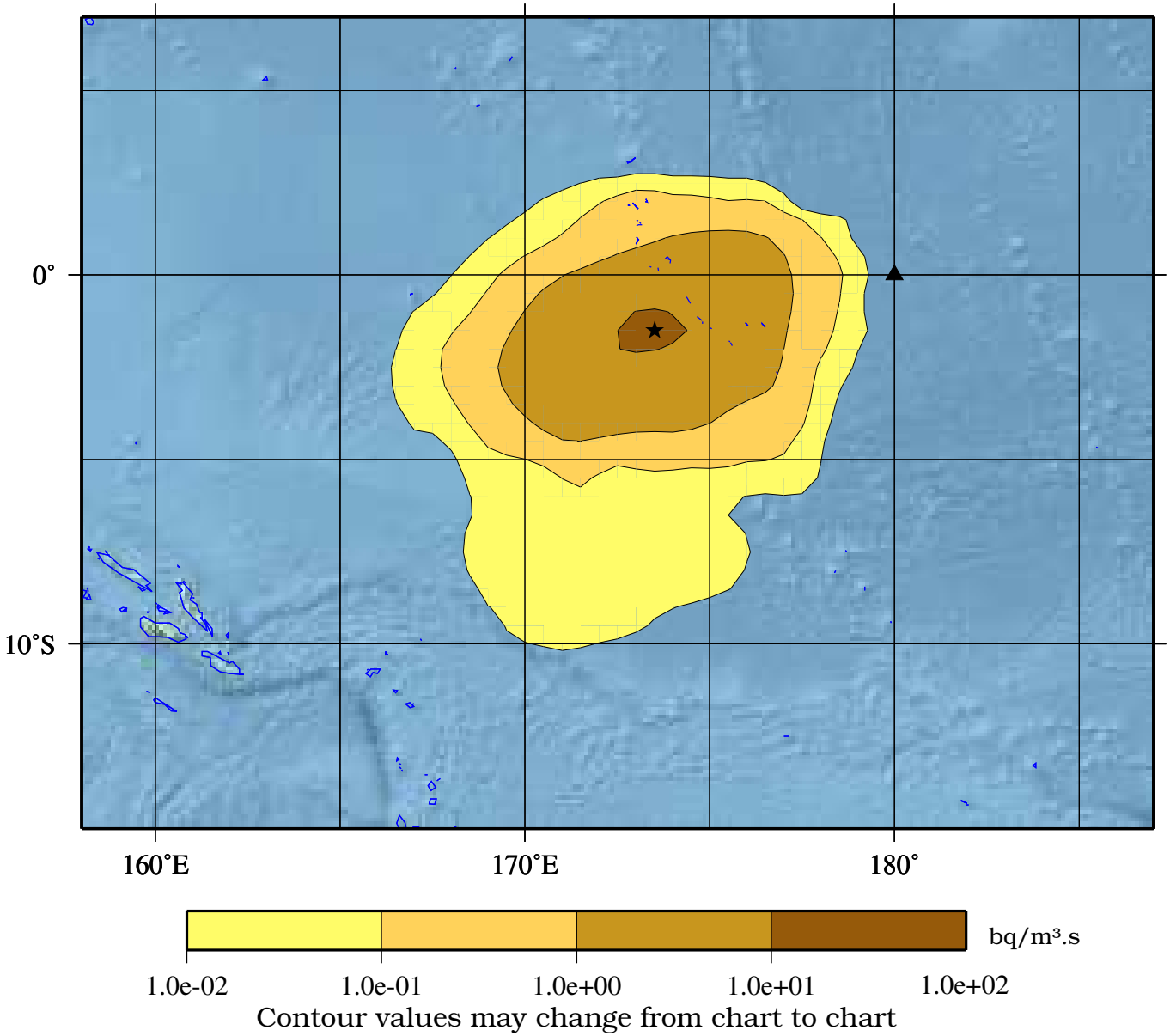
Max value for current step :
37.4111 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 06/02/2020 15:35:04 UTC

Pacifique00N180E TEST 20200206 Test 06/02/2020

Time integrated concentration (bq/m³.s)
for surface to 500m layer over 24 hours
valid 09/02/2020 00h00 UTC



Contour values may change from chart to chart

Dispersion model : MOCAGE Accident

Meteo model : ECMWF

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RELEASE DATA

Site : Pacifique00N180E TEST 20200206
Emission start : 06/02/2020 10h10 UTC
Release duration : 12h
Lat : 0 N ; 0º0'0" N
Lon : 180 E ; 180º0'0" E
Emission rate : 1.8e+10 bq/h
Base : 0m
Top : 4807m
Released pollutant : U-235

MODEL DATA

Grid resolution : 0.5º
Init for meteo data
06/02/2020 00UTC

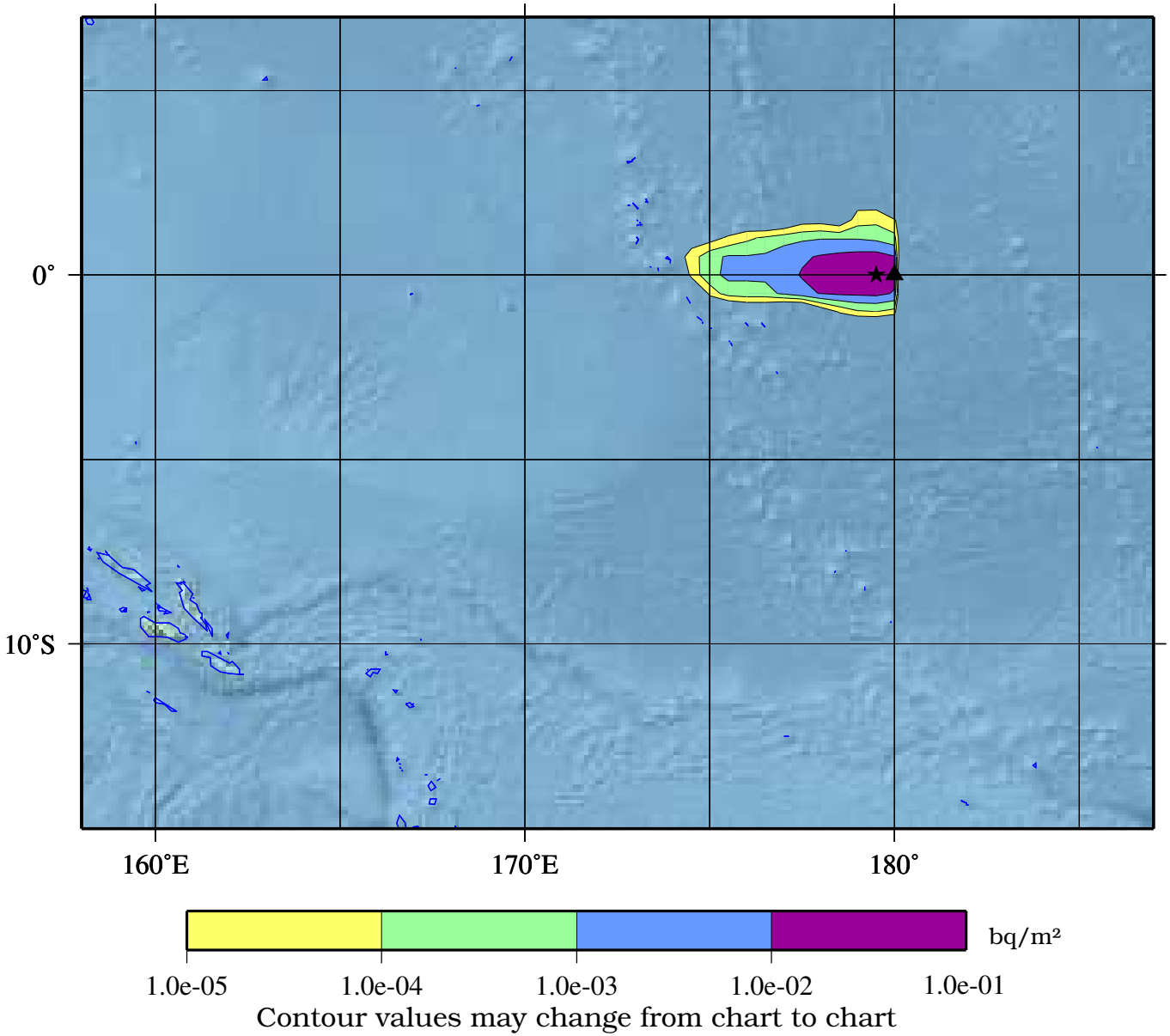
Max value for current step :
12.106 bq/m³.s

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 06/02/2020 15:35:04 UTC

Pacifique00N180E TEST 20200206 Test 06/02/2020

Total deposition (bq/m²)
from release start
valid 07/02/2020 00h00 UTC



Contour values may change from chart to chart

Dispersion model :
MOCAGE Accident
Meteo model : ECMWF

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RELEASE DATA

Site : Pacifique00N180E TEST 20200206
Emission start : 06/02/2020 10h10 UTC
Release duration : 12h
Lat : 0 N ; 0º0'0" N
Lon : 180 E ; 180º0'0" E
Emission rate : 1.8e+10 bq/h
Base : 0m
Top : 4807m
Released pollutant : U-235

MODEL DATA

Grid resolution : 0.5º
Init for meteo data
06/02/2020 00UTC

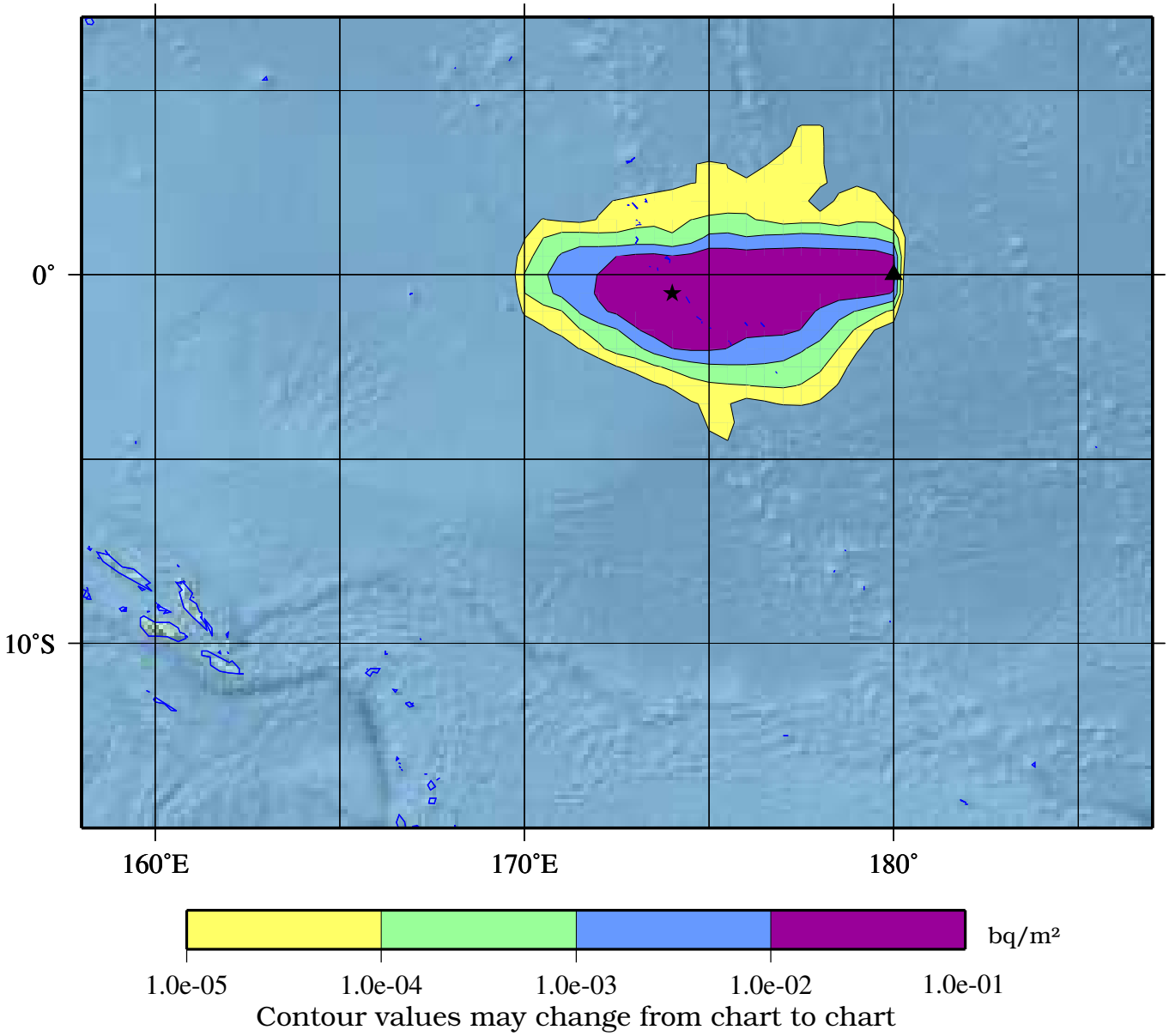
Max value for current step :
0.042552 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 06/02/2020 15:35:04 UTC

Pacifique00N180E TEST 20200206 Test 06/02/2020

Total deposition (bq/m²)
from release start
valid 08/02/2020 00h00 UTC



Contour values may change from chart to chart

Dispersion model : MOCAGE Accident

Meteo model : ECMWF

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RELEASE DATA

Site : Pacifique00N180E TEST 20200206
Emission start : 06/02/2020 10h10 UTC
Release duration : 12h
Lat : 0 N ; 0º0'0" N
Lon : 180 E ; 180º0'0" E
Emission rate : 1.8e+10 bq/h
Base : 0m
Top : 4807m
Released pollutant : U-235

MODEL DATA

Grid resolution : 0.5º
Init for meteo data
06/02/2020 00UTC

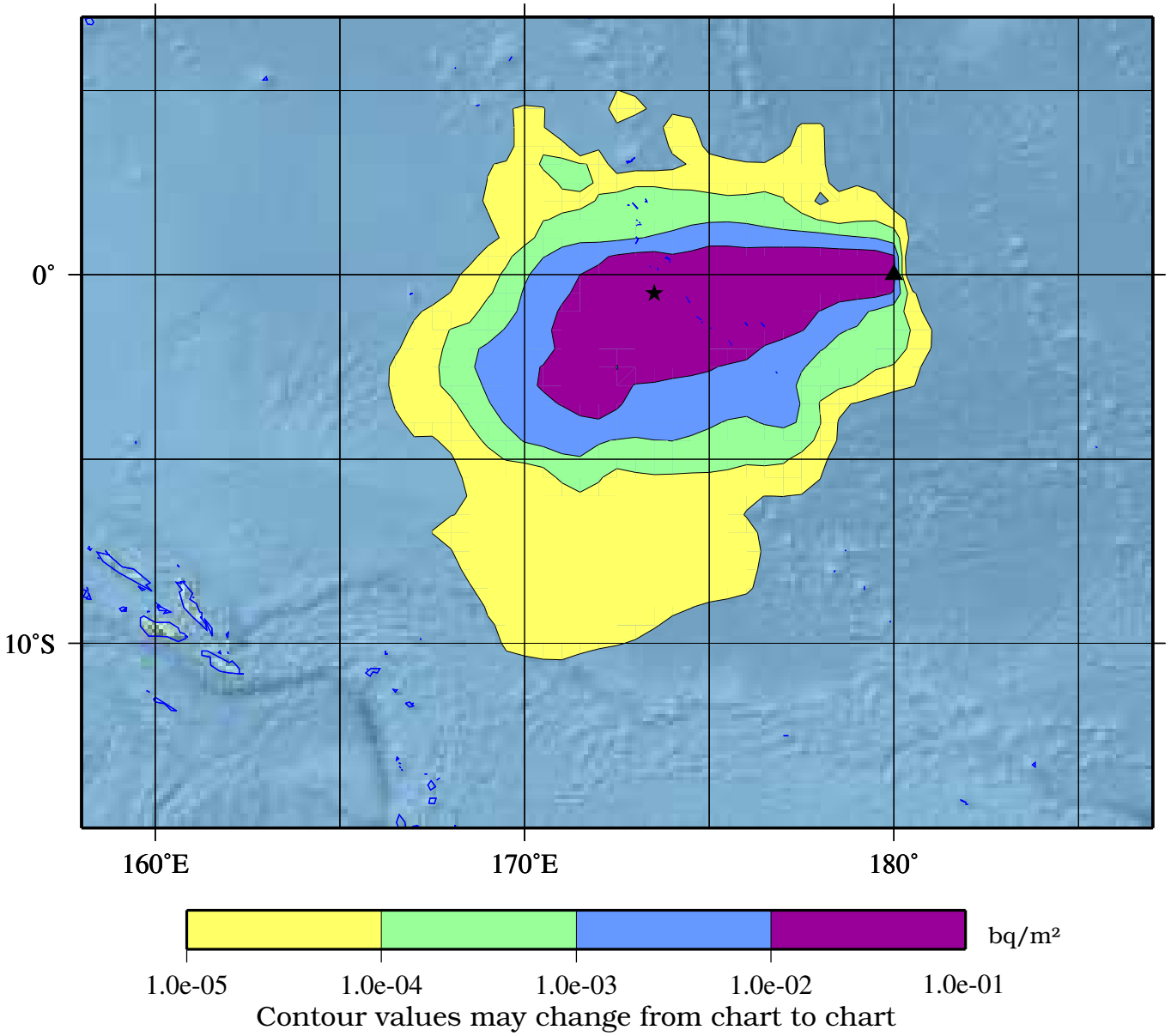
Max value for current step :
0.0766051 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 06/02/2020 15:35:04 UTC

Pacifique00N180E TEST 20200206 Test 06/02/2020

Total deposition (bq/m²)
from release start
valid 09/02/2020 00h00 UTC



Contour values may change from chart to chart

Dispersion model : MOCAGE Accident

Meteo model : ECMWF

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RELEASE DATA

Site : Pacifique00N180E TEST 20200206
Emission start : 06/02/2020 10h10 UTC
Release duration : 12h
Lat : 0 N ; 0º0'0" N
Lon : 180 E ; 180º0'0" E
Emission rate : 1.8e+10 bq/h
Base : 0m
Top : 4807m
Released pollutant : U-235

MODEL DATA

Grid resolution : 0.5º
Init for meteo data
06/02/2020 00UTC

Max value for current step :
0.0961496 bq/m²

Max position ★
Source position ▲

METEO FRANCE
TOULOUSE RSMC
Issued 06/02/2020 15:35:04 UTC