

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

note from Japan Meteorological Agency:

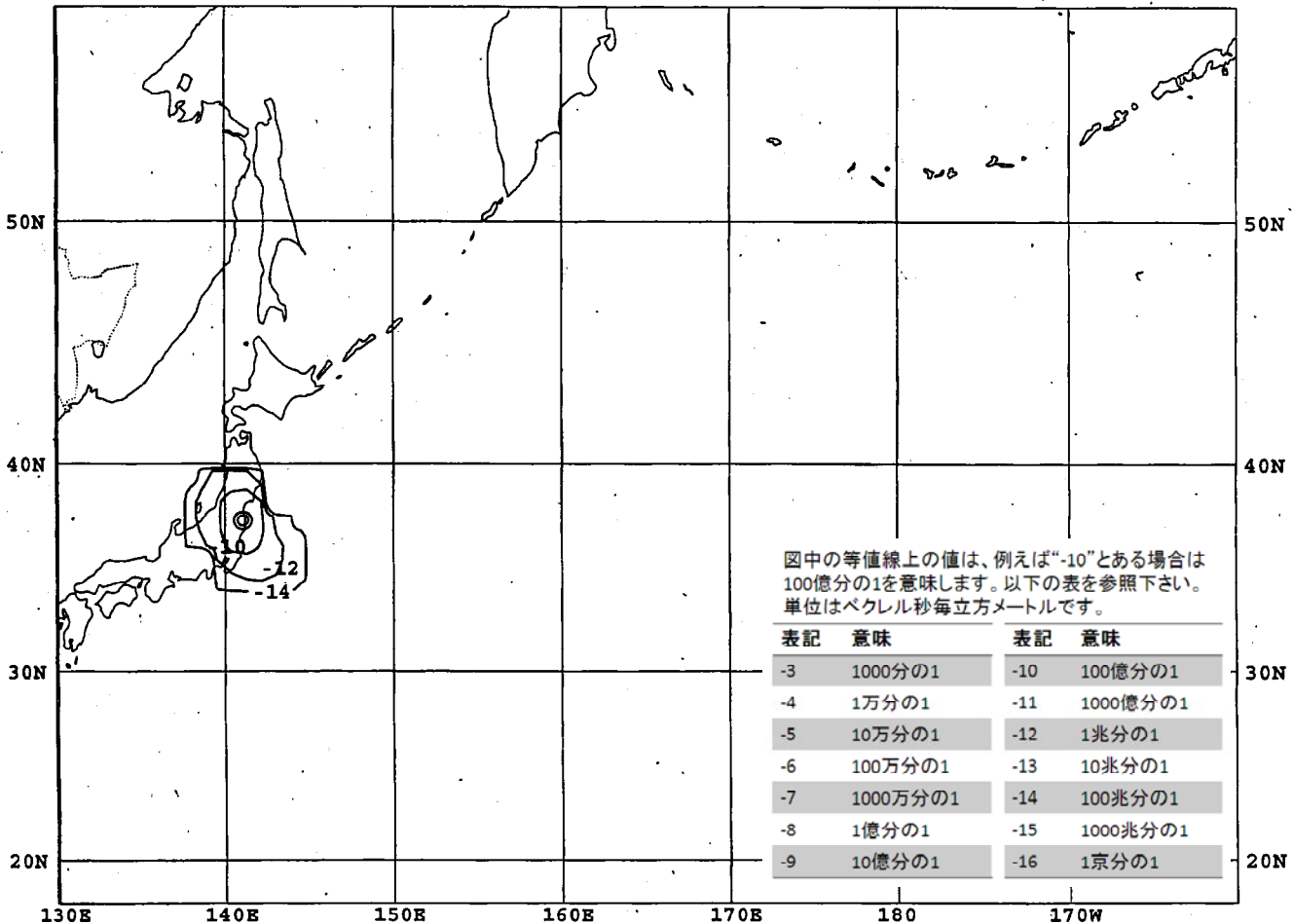
The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

DELEGATED AUTHORITY REQUESTED

IAEA NOTIFIED EMERGENCY

TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 03UTC 15 MAR 2011
TO 00UTC 16 MAR 2011



(ISSUED 0435UTC 15 MAR 2011)

ASSUMED POLLUTANT RELEASED : CS-137

START OF THE EMISSION : 0300UTC 15 MAR 2011

END OF THE EMISSION : 0300UTC 18 MAR 2011

◎ SOURCE LOCATION : LATITUDE 37.42N

LONGITUDE 141.03E

NAME FUKUSHIMA DAIICHI, JAPAN

ASSUMED TOTAL EMISSION : 1 BECQUEREL

UNIFORM RELEASE FROM 20- 500M ABOVE THE GROUND

UNIT : (BQ.S/M3)

MAXIMUM : 4.86E-9 (BQ.S/M3)

CONTOURS: 1E-10, 1E-12, 1E-14

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

JAPAN METEOROLOGICAL AGENCY

GLOBAL TRACER TRANSPORT MODEL

CHART 2 / 5

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

note from Japan Meteorological Agency:

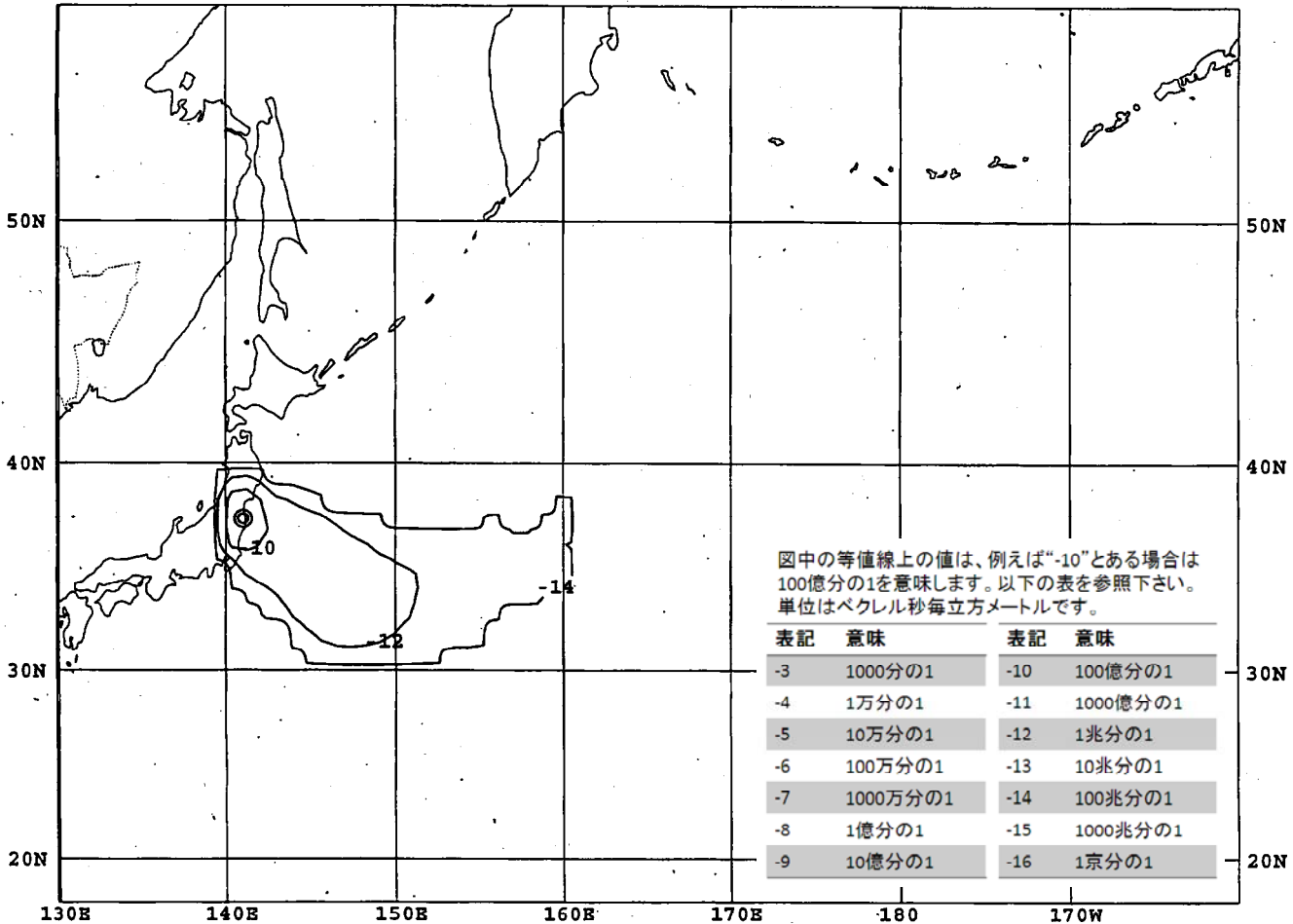
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DELEGATED AUTHORITY REQUESTED

IAEA NOTIFIED EMERGENCY

TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 00UTC 16 MAR 2011
TO 00UTC 17 MAR 2011



(ISSUED 0435UTC 15 MAR 2011)

ASSUMED POLLUTANT RELEASED : CS-137

START OF THE EMISSION : 0300UTC 15 MAR 2011

END OF THE EMISSION : 0300UTC 18 MAR 2011

◎ SOURCE LOCATION : LATITUDE 37.42N

LONGITUDE 141.03E

NAME FUKUSHIMA DAIICHI, JAPAN

ASSUMED TOTAL EMISSION : 1 BECQUEREL

UNIFORM RELEASE FROM 20- 500M ABOVE THE GROUND

UNIT : (BQ.S/M3)

MAXIMUM : 3.32E-9 (BQ.S/M3)

CONTOURS: 1E-10, 1E-12, 1E-14

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

JAPAN METEOROLOGICAL AGENCY

GLOBAL TRACER TRANSPORT MODEL

CHART 3 / 5

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

note from Japan Meteorological Agency:

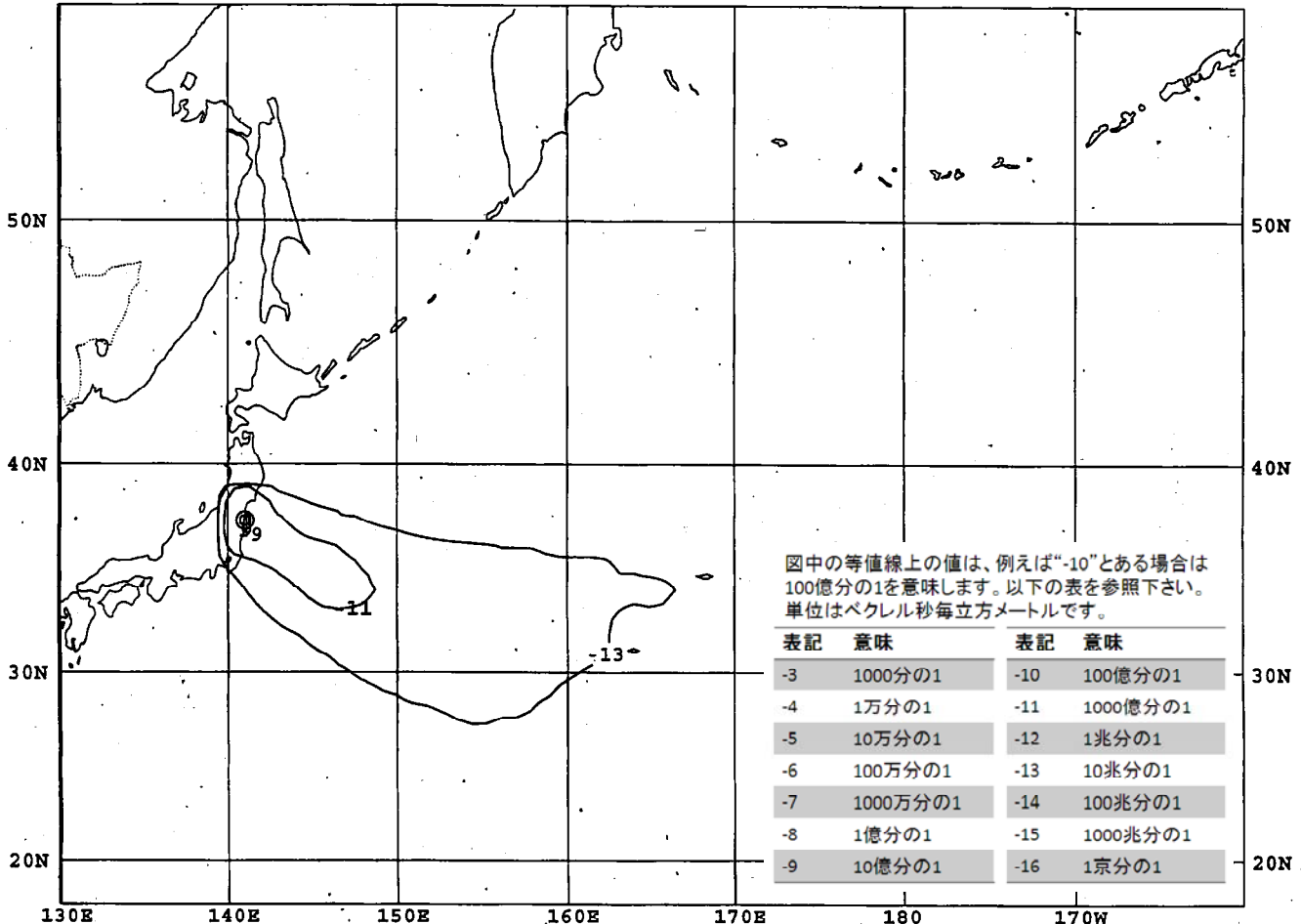
The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

DELEGATED AUTHORITY REQUESTED

IAEA NOTIFIED EMERGENCY

TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 00UTC 17 MAR 2011
TO 00UTC 18 MAR 2011



(ISSUED 0435UTC 15 MAR 2011)

ASSUMED POLLUTANT RELEASED : CS-137

START OF THE EMISSION : 0300UTC 15 MAR 2011

END OF THE EMISSION : 0300UTC 18 MAR 2011

◎ SOURCE LOCATION : LATITUDE 37.42N

LONGITUDE 141.03E

NAME FUKUSHIMA DAIICHI, JAPAN

ASSUMED TOTAL EMISSION : 1 BECQUEREL

UNIFORM RELEASE FROM 20- 500M ABOVE THE GROUND

UNIT : (BQ.S/M3)

MAXIMUM : 1.33E-9 (BQ.S/M3)

CONTOURS: 1E-9, 1E-11, 1E-13

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

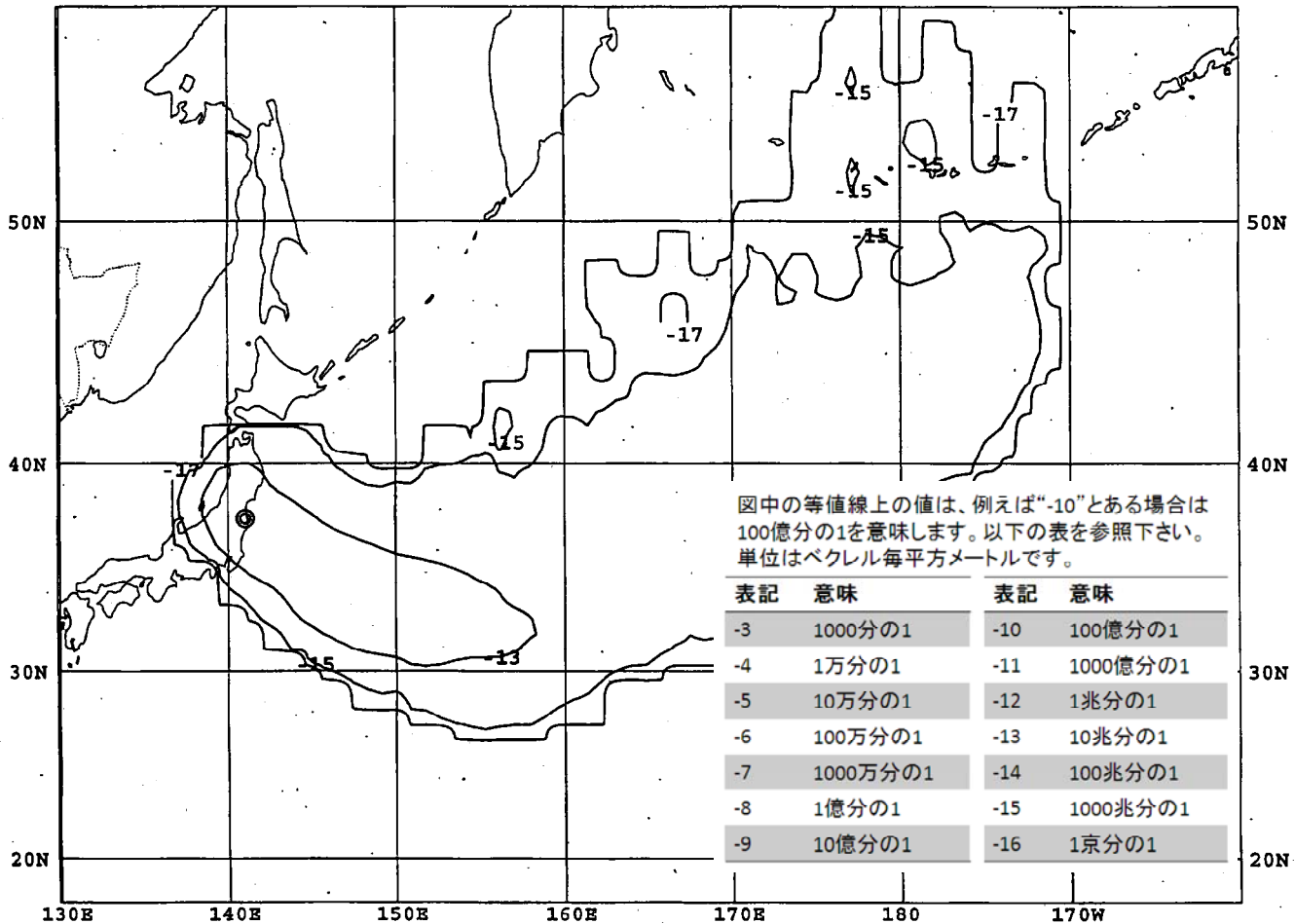
note from Japan Meteorological Agency:

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DELEGATED AUTHORITY REQUESTED
 IAEA NOTIFIED EMERGENCY

TOTAL (WET AND DRY) DEPOSITION

INTEGRATED FROM 03UTC 15 MAR 2011
TO 00UTC 18 MAR 2011



(ISSUED 0435UTC 15 MAR 2011)

ASSUMED POLLUTANT RELEASED : CS-137

START OF THE EMISSION : 0300UTC 15 MAR 2011

END OF THE EMISSION : 0300UTC 18 MAR 2011

© SOURCE LOCATION : LATITUDE 37.42N

LONGITUDE 141.03E

NAME FUKUSHIMA DAIICHI, JAPAN

ASSUMED TOTAL EMISSION : 1 BECQUEREL

UNIFORM RELEASE FROM 20- 500M ABOVE THE GROUND

UNIT : (BQ/M2)

MAXIMUM : 8.99E-12 (BQ/M2)

CONTOURS: 1E-13, 1E-15, 1E-17

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

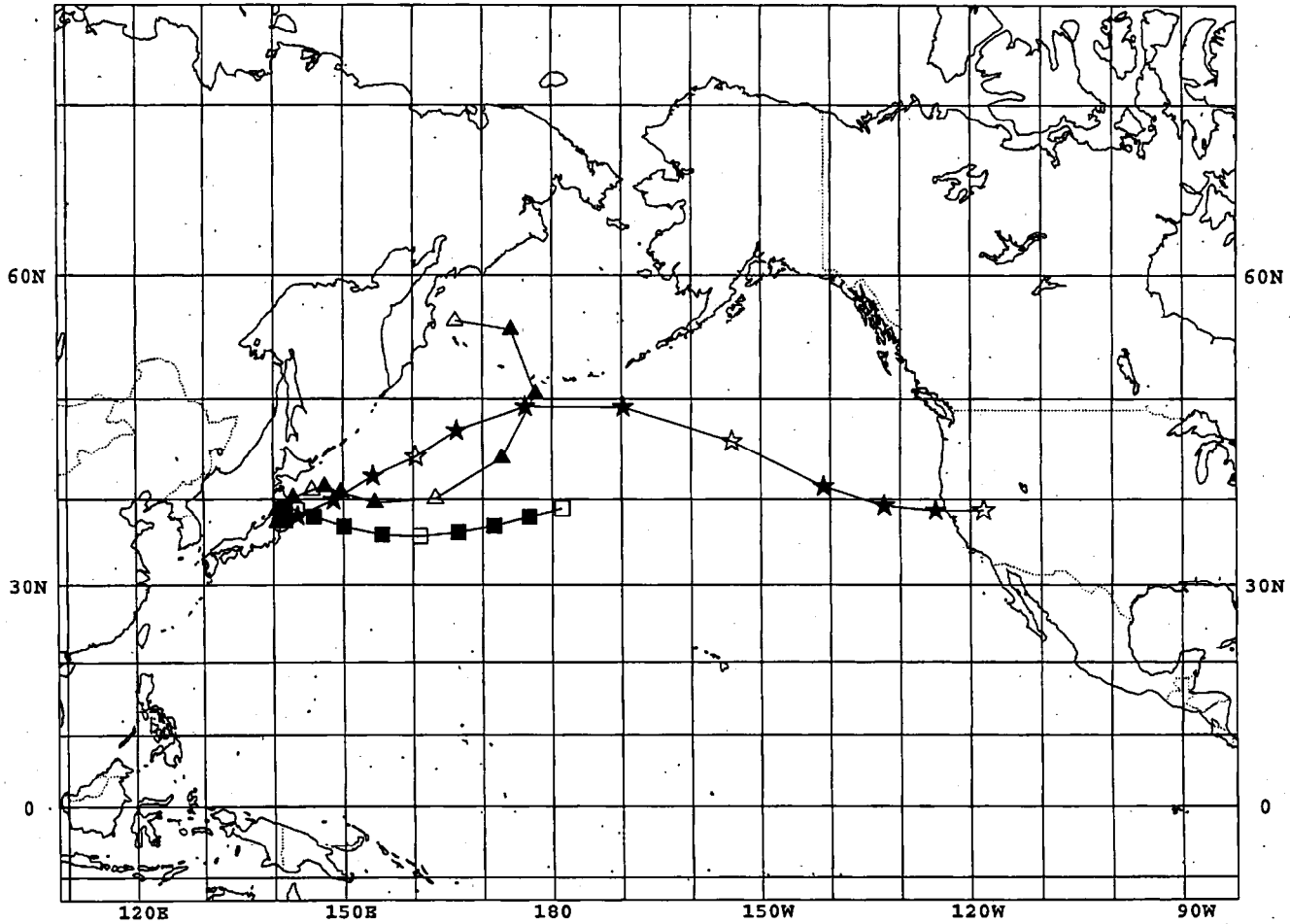
note from Japan Meteorological Agency:

The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

☐ DELEGATED AUTHORITY REQUESTED
 ☐ IAEA NOTIFIED EMERGENCY

3-D TRAJECTORY

FROM 03UTC 15 MAR 2011 TO 00UTC 18 MAR 2011

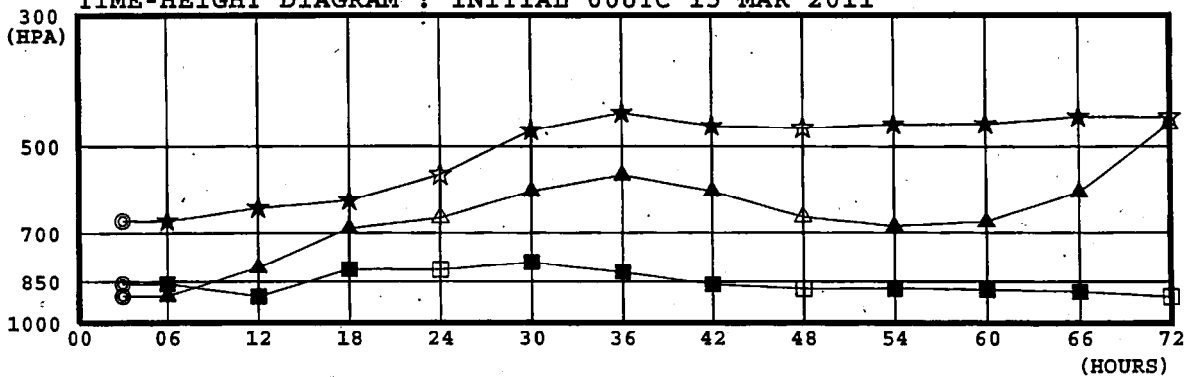


(ISSUED 0435UTC 15 MAR 2011)

- ▲ INITIAL HEIGHT = 500M ABOVE THE SURFACE
- INITIAL HEIGHT = 1500M ABOVE THE SURFACE
- ★ INITIAL HEIGHT = 3000M ABOVE THE SURFACE
- MARKED WITH TIME INTERVAL OF 6 HOURS

◎ SOURCE LOCATION : LATITUDE 37.42N
 LONGITUDE 141.03E
 NAME FUKUSHIMA DAIICHI, JAPAN

TIME-HEIGHT DIAGRAM : INITIAL 00UTC 15 MAR 2011



気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

note from Japan Meteorological Agency:

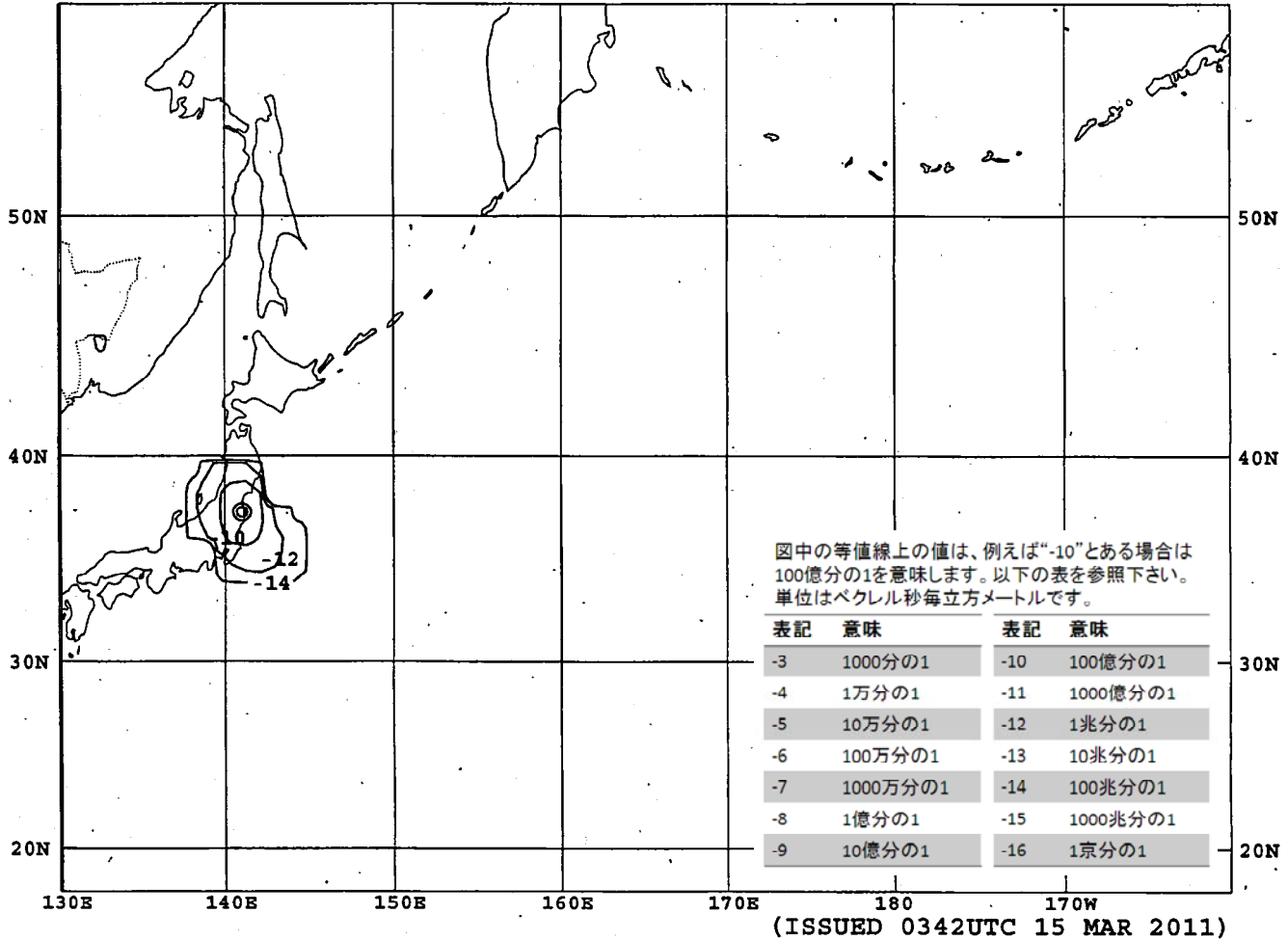
The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

~~DELEGATED AUTHORITY REQUESTED~~

IAEA NOTIFIED EMERGENCY

TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 03UTC 15 MAR 2011
TO 00UTC 16 MAR 2011



ASSUMED POLLUTANT RELEASED : I -131

START OF THE EMISSION : 0300UTC 15 MAR 2011

END OF THE EMISSION : 0300UTC 18 MAR 2011

◎ SOURCE LOCATION : LATITUDE 37.42N

LONGITUDE 141.03E

NAME FUKUSHIMA DAIICHI, JAPAN

ASSUMED TOTAL EMISSION : 1 BECQUEREL

UNIFORM RELEASE FROM 20- 500M ABOVE THE GROUND

UNIT : (BQ.S/M3)

MAXIMUM : 4.85E-9 (BQ.S/M3)

CONTOURS: 1E-10, 1E-12, 1E-14

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。
IAEAが仮定した条件に基づいて計算したものです。

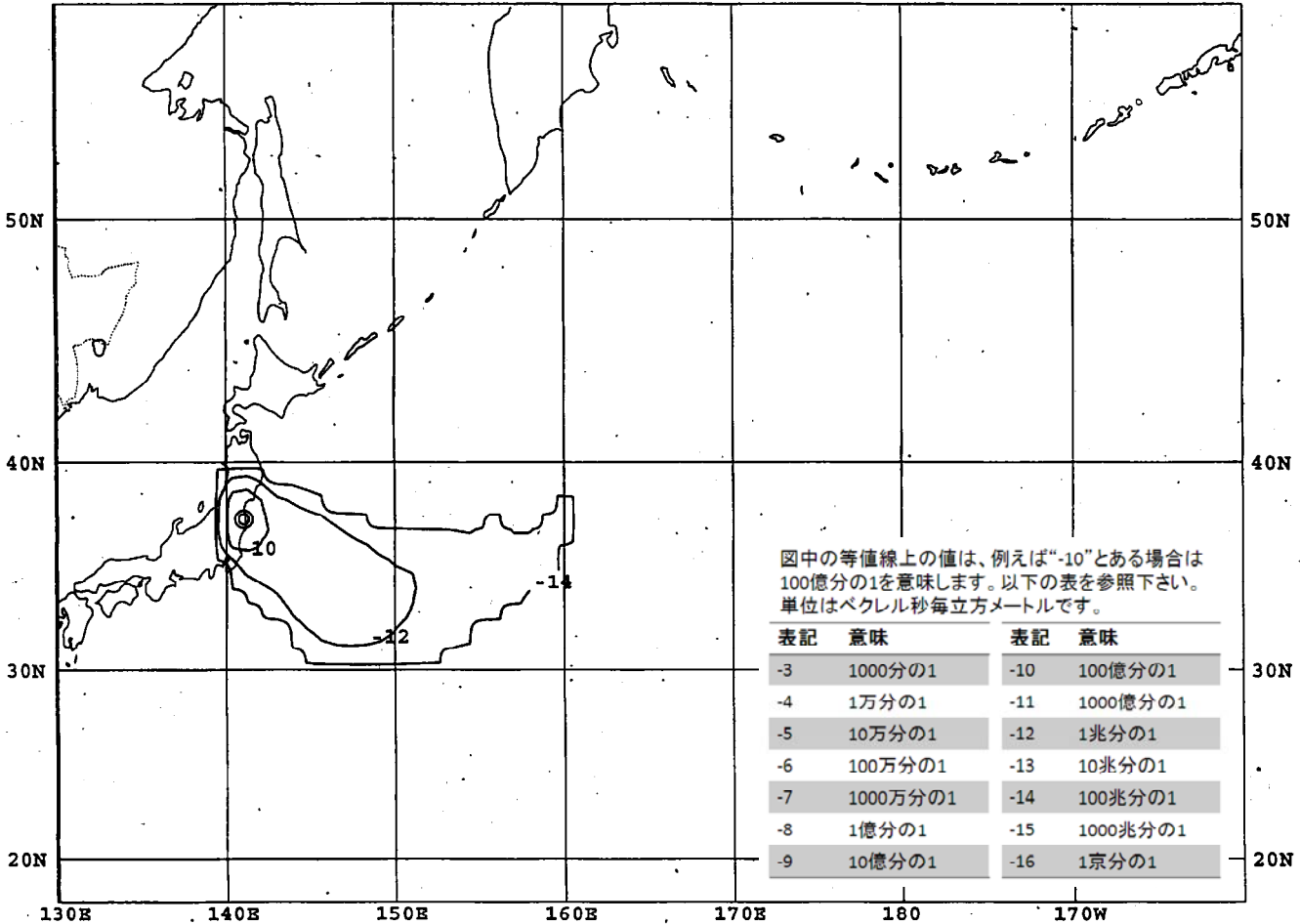
note from Japan Meteorological Agency:

The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

~~DELEGATED AUTHORITY REQUESTED~~
 IAEA NOTIFIED EMERGENCY

TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 00UTC 16 MAR 2011
TO 00UTC 17 MAR 2011



(ISSUED 0342UTC 15 MAR 2011)

ASSUMED POLLUTANT RELEASED : I -131
 START OF THE EMISSION : 0300UTC 15 MAR 2011
 END OF THE EMISSION : 0300UTC 18 MAR 2011
 © SOURCE LOCATION : LATITUDE 37.42N
 LONGITUDE 141.03E
 NAME : FUKUSHIMA DAIICHI, JAPAN
 ASSUMED TOTAL EMISSION : 1 BECQUEREL
 UNIFORM RELEASE FROM 20- 500M ABOVE THE GROUND
 UNIT : (BQ.S/M3)
 MAXIMUM : 3.32E-9 (BQ.S/M3)
 CONTOURS: 1E-10, 1E-12, 1E-14

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

note from Japan Meteorological Agency:

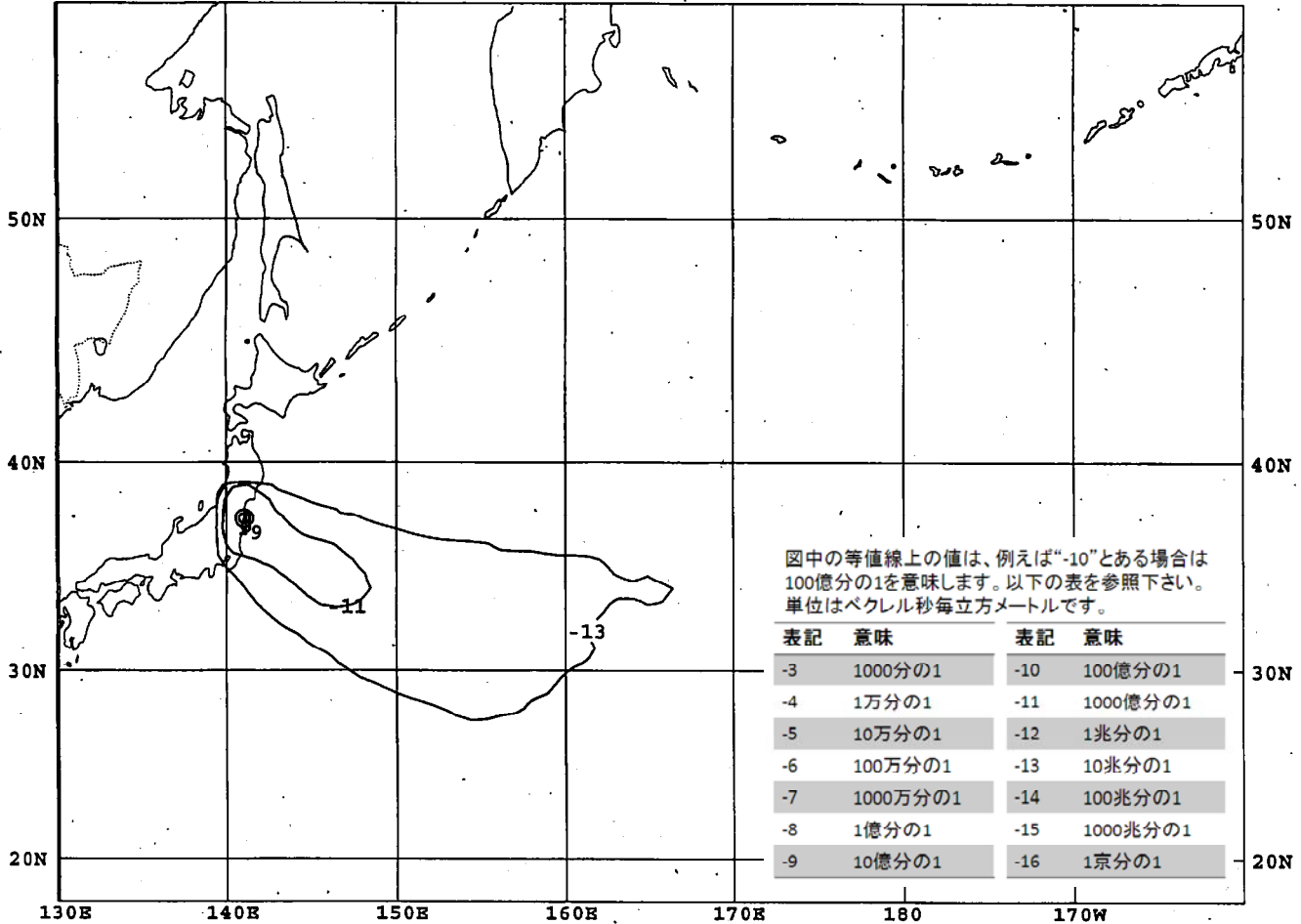
The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

DELEGATED AUTHORITY REQUESTED

IAEA NOTIFIED EMERGENCY

TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 00UTC 17 MAR 2011
TO 00UTC 18 MAR 2011



(ISSUED 0342UTC 15 MAR 2011)

ASSUMED POLLUTANT RELEASED : I -131

START OF THE EMISSION : 0300UTC 15 MAR 2011

END OF THE EMISSION : 0300UTC 18 MAR 2011

◎ SOURCE LOCATION : LATITUDE 37.42N

LONGITUDE 141.03E

NAME FUKUSHIMA DAIICHI, JAPAN

ASSUMED TOTAL EMISSION : 1 BECQUEREL

UNIFORM RELEASE FROM 20- 500M ABOVE THE GROUND

UNIT : (BQ.S/M3)

MAXIMUM : 1.33E-9 (BQ.S/M3)

CONTOURS: 1E-9, 1E-11, 1E-13

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

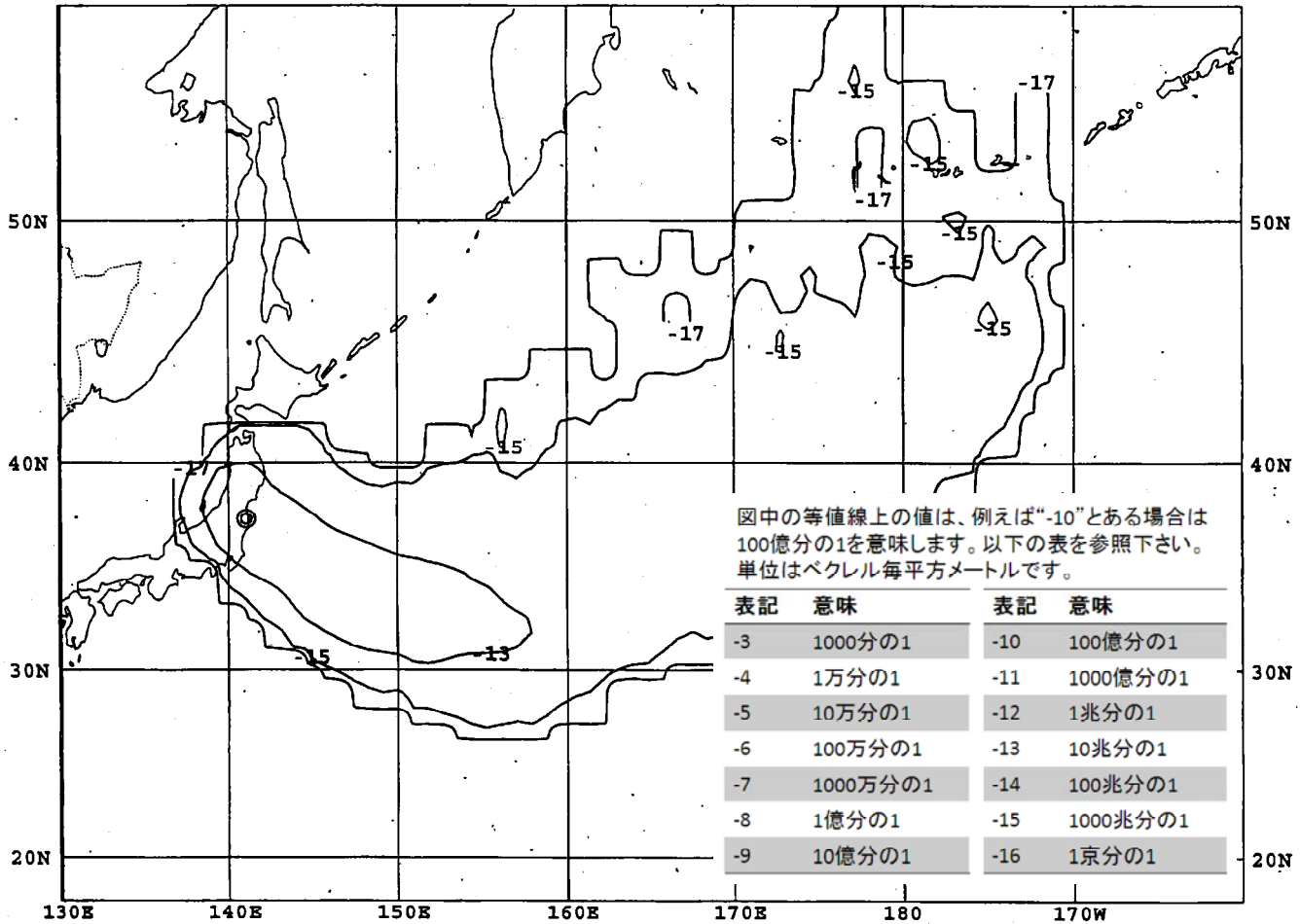
note from Japan Meteorological Agency:

The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

~~DELEGATED AUTHORITY REQUESTED~~
 IAEA NOTIFIED EMERGENCY

TOTAL (WET AND DRY) DEPOSITION

INTEGRATED FROM 03UTC 15. MAR 2011
 TO 00UTC 18 MAR 2011



(ISSUED 0342UTC 15 MAR 2011)

ASSUMED POLLUTANT RELEASED : I -131
 START OF THE EMISSION : 0300UTC 15 MAR 2011
 END OF THE EMISSION : 0300UTC 18 MAR 2011
 © SOURCE LOCATION : LATITUDE 37.42N
 LONGITUDE 141.03E
 NAME FUKUSHIMA DAIICHI, JAPAN
 ASSUMED TOTAL EMISSION : 1 BECQUEREL
 UNIFORM RELEASE FROM 20- 500M ABOVE THE GROUND
 UNIT : (BQ/M2)
 MAXIMUM : 8.94E-12 (BQ/M2)
 CONTOURS: 1E-13, 1E-15, 1E-17

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

note from Japan Meteorological Agency:

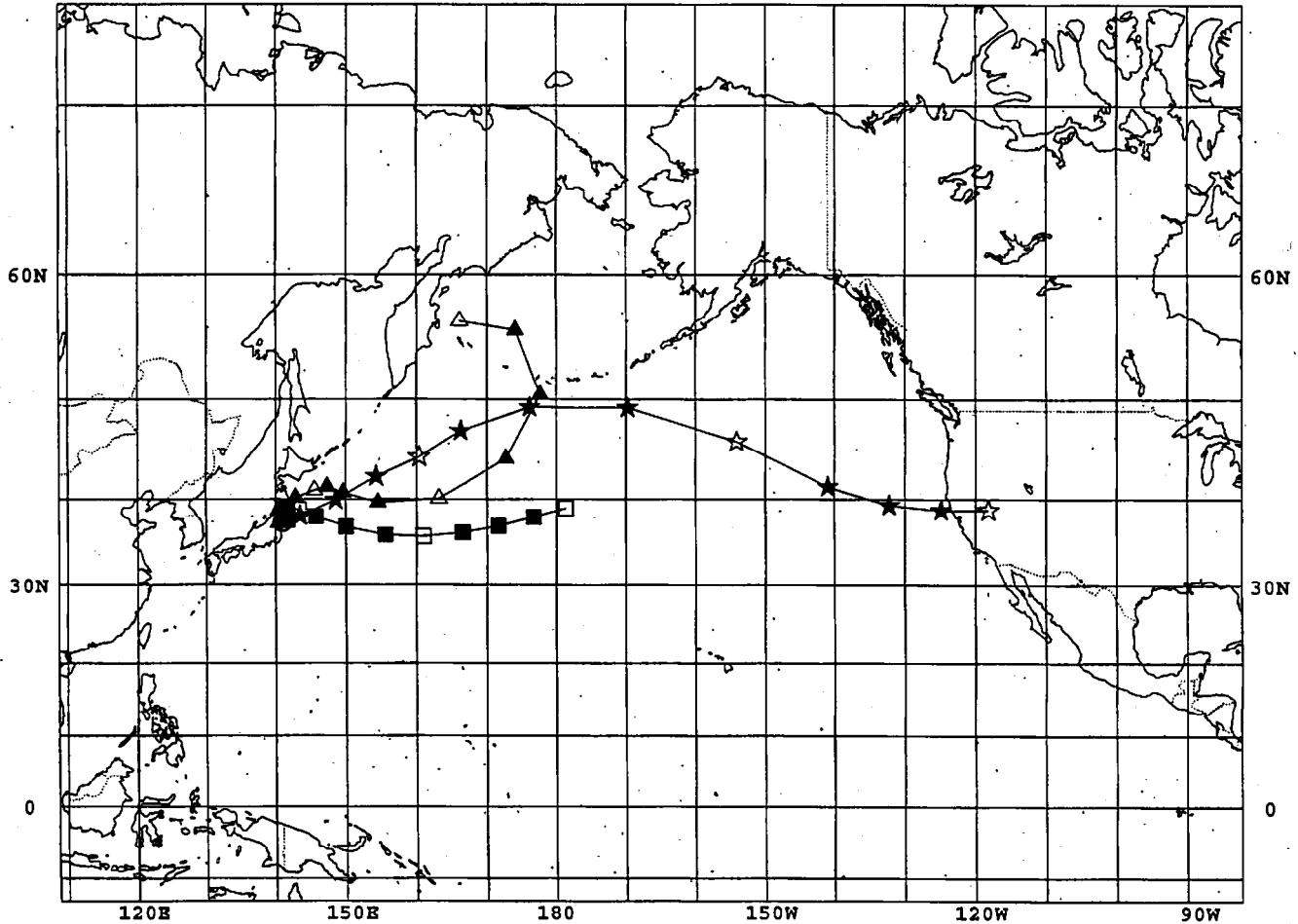
The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

~~DELEGATED AUTHORITY REQUESTED~~

IAEA NOTIFIED EMERGENCY

3-D TRAJECTORY

FROM 03UTC 15 MAR 2011 TO 00UTC 18 MAR 2011



(ISSUED 0342UTC 15 MAR 2011)

▲ INITIAL HEIGHT = 500M ABOVE THE SURFACE

■ INITIAL HEIGHT = 1500M ABOVE THE SURFACE

★ INITIAL HEIGHT = 3000M ABOVE THE SURFACE

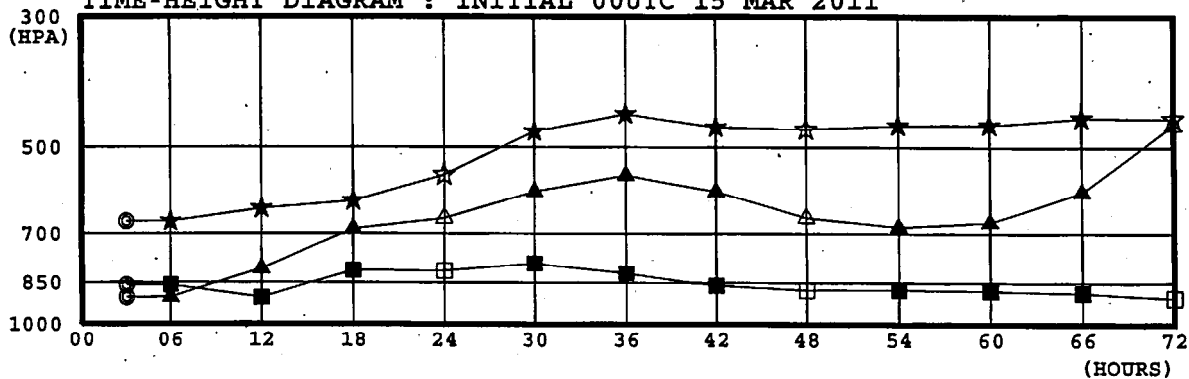
MARKED WITH TIME INTERVAL OF 6 HOURS

◎ SOURCE LOCATION : LATITUDE 37.42N

LONGITUDE 141.03E

NAME FUKUSHIMA DAIICHI, JAPAN

TIME-HEIGHT DIAGRAM : INITIAL 00UTC 15 MAR 2011



Environmental Emergency Response Request for WMO RSMC Support by IAEA

The IAEA sends the completed form by fax to all RSMCs and RTH Offenbach.
At the same time the IAEA calls the 'Lead' RSMCs (selected on the form) to ensure receipt of this form.

Date/Time of Request: 2011-03-15/03:00(UTC)	
STATUS: <input checked="" type="checkbox"/> EMERGENCY <input type="checkbox"/> EXERCISE	
REQUESTED RSMCS : (indicate the lead RSMCs by a checkmark below)	
<input type="checkbox"/> EXETER <input type="checkbox"/> TOULOUSE <input type="checkbox"/> MELBOURNE <input type="checkbox"/> MONTREAL <input type="checkbox"/> WASHINGTON	
<input checked="" type="checkbox"/> BEIJING <input checked="" type="checkbox"/> TOKYO <input checked="" type="checkbox"/> OBNINSK <input checked="" type="checkbox"/> RTH Offenbach	
SENDERS NAME : INTERNATIONAL ATOMIC ENERGY AGENCY	
COMMUNICATION DETAILS: Tel :	use to confirm receipt of request
Fax:	use to confirm receipt of request
Email	use to confirm receipt of request
NAME OF RELEASE SITE AND COUNTRY	Fukushima Daiichi, Japan (facility and place)
GEOGRAPHICAL LOCATION OF RELEASE: (MUST BE COMPLETED)	37.4206 decimal degrees <input checked="" type="checkbox"/> N <input type="checkbox"/> S
	141.0328 decimal degrees <input checked="" type="checkbox"/> E <input type="checkbox"/> W

DECLARED EMERGENCY CLASS:
<input type="checkbox"/> NONE <input checked="" type="checkbox"/> other, specify: General Emergency
ACTION REQUIRED :
<input type="checkbox"/> NONE
<input type="checkbox"/> GO ON STANDBY (request for products or for assistance on weather conditions is to be expected)
<input type="checkbox"/> LEAD RSMCs ONLY: GENERATE PRODUCTS* AND SEND TO IAEA ONLY
<input checked="" type="checkbox"/> ALL RSMCs: GENERATE PRODUCTS* AND DISTRIBUTE WITHIN THEIR REGION(S)
<input type="checkbox"/> OTHER ACTION :

* Appendix II-7, Manual on the Global Data Processing and Forecasting System, WMO No. 485

(essential accident information for model simulation - if not available, model will execute with standard default values)

RELEASE CHARACTERISTICS:

START OF RELEASE: Date/Time: 2011-03-15/03:00(UTC)

DURATION: 72 (hours) or **END OF RELEASE:** Date/Time: - - / : (UTC)

RADIONUCLIDE SPECIES: I-131, Cs-137

TOTAL RELEASE QUANTITY: 1 (Becquerel)

OR POLLUTANT RELEASE RATE: (Becquerel/hour)

EFFECTIVE HEIGHT OF RELEASE: surface or

release height: base: 20 (m), top:500 (m)

(helpful information for improved simulation)

SITE ELEVATION: 20 (m)

LOCAL METEOROLOGICAL CONDITIONS NEAR ACCIDENT:

(wind speed and direction/weather/cloudiness/precipitation, etc.)

OTHER INFORMATION:

Kindly asking for two runs, I-131 and Cs-137

(nature of accident, cause, fire explosion, controlled release, foreseeable development, normal activity, projected conditions, etc)

(to be completed by RSMC)

DATE/TIME OF RECEIPT OF REQUEST:.....(UTC)

FOR LEAD RSMC(S) ONLY

DATE/TIME OF RETURN CONFIRMATION OF RECEIPT:.....(UTC)

Note: All times in UTC