

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。

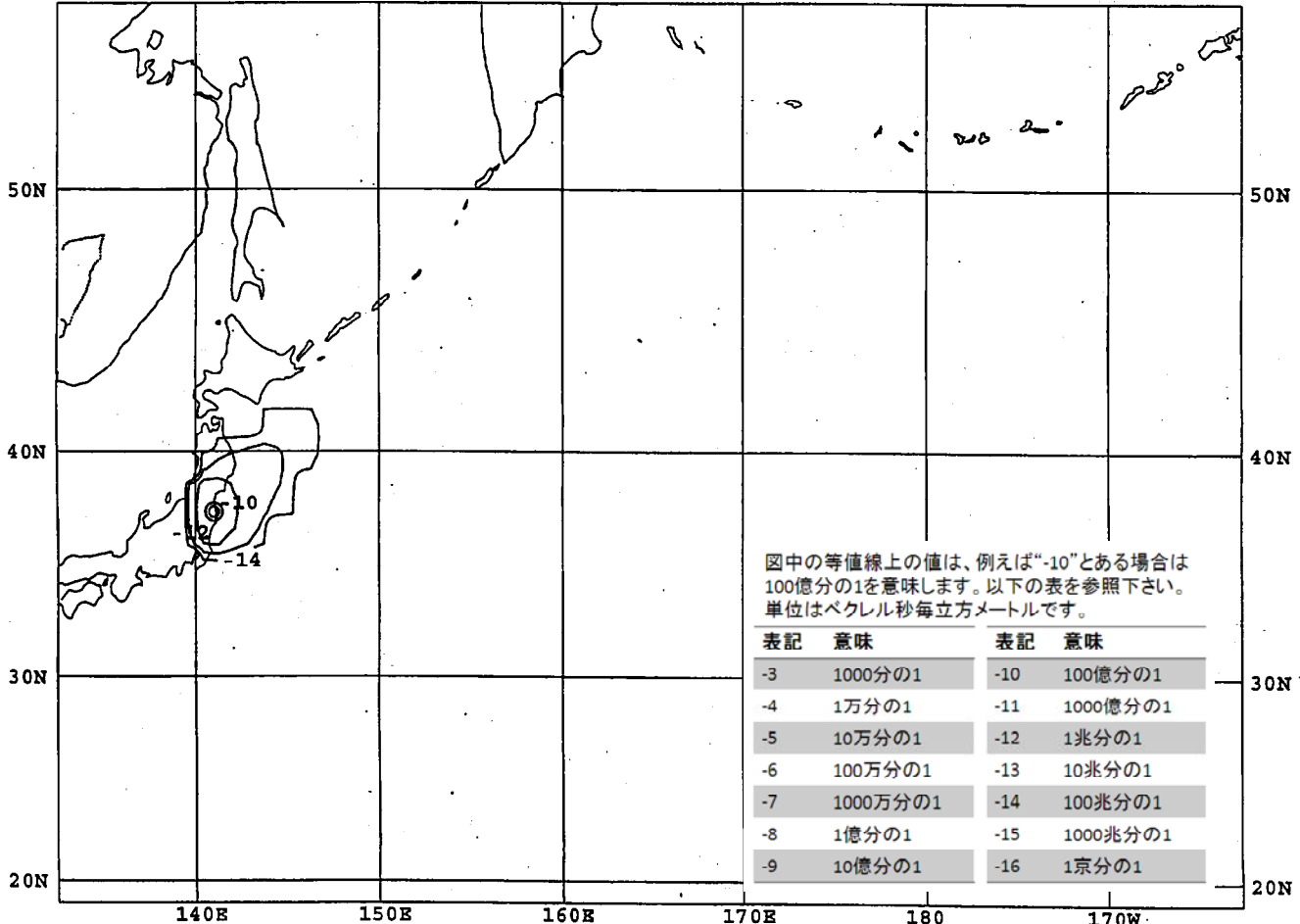
note from Japan Meteorological Agency:

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 12UTC 13 MAR 2011  
TO 00UTC 14 MAR 2011



(ISSUED 1003UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : I -131  
START OF THE EMISSION : 1200UTC 13 MAR 2011  
END OF THE EMISSION : 1200UTC 16 MAR 2011  
◎ SOURCE LOCATION : LATITUDE 37.42N  
LONGITUDE 141.03E  
NAME FUKUSHIMA DAI-CHI, JAPAN

ASSUMED TOTAL EMISSION : 1 BECQUEREL  
UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND  
UNIT : (BQ.S/M3)  
MAXIMUM : 3.42E-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。

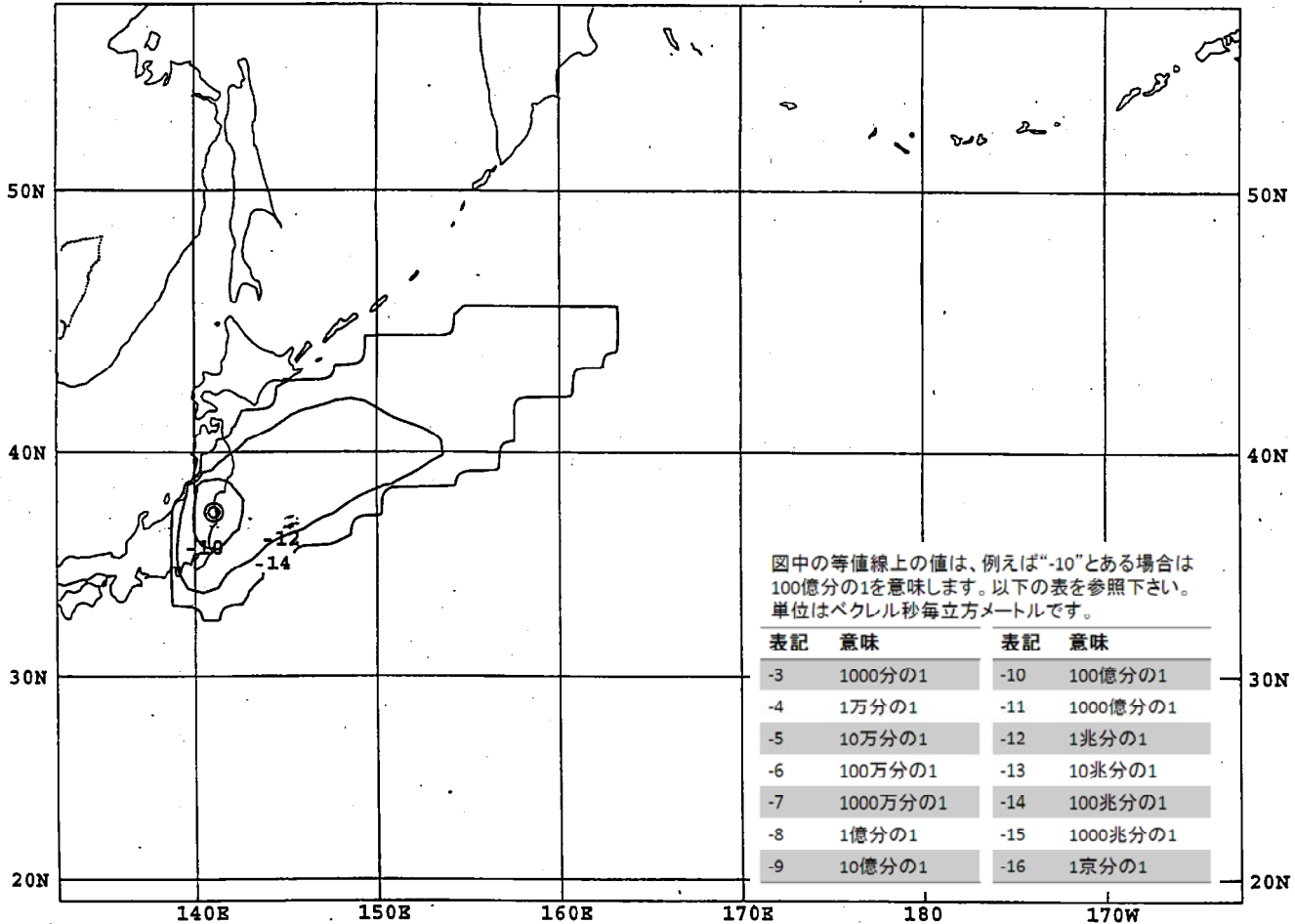
note from Japan Meteorological Agency:

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~~DELEGATED AUTHORITY REQUESTED~~  
 IAEA NOTIFIED EMERGENCY

### TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 00UTC 14 MAR 2011  
TO 00UTC 15 MAR 2011



図中の等値線上の値は、例えば“-10”とある場合は100億分の1を意味します。以下の表を参照下さい。単位はベクレル秒毎立方メートルです。

表記	意味	表記	意味
-3	1000分の1	-10	100億分の1
-4	1万分の1	-11	1000億分の1
-5	10万分の1	-12	1兆分の1
-6	100万分の1	-13	10兆分の1
-7	1000万分の1	-14	100兆分の1
-8	1億分の1	-15	1000兆分の1
-9	10億分の1	-16	1京分の1

(ISSUED 1003UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : I -131  
START OF THE EMISSION : 1200UTC 13 MAR 2011  
END OF THE EMISSION : 1200UTC 16 MAR 2011  
◎ SOURCE LOCATION : LATITUDE 37.42N  
LONGITUDE 141.03E  
NAME FUKUSHIMA DAI-CHI, JAPAN  
ASSUMED TOTAL EMISSION : 1 BECQUEREL  
UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND  
UNIT : (BQ.S/M3)  
MAXIMUM : 4.61E-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:

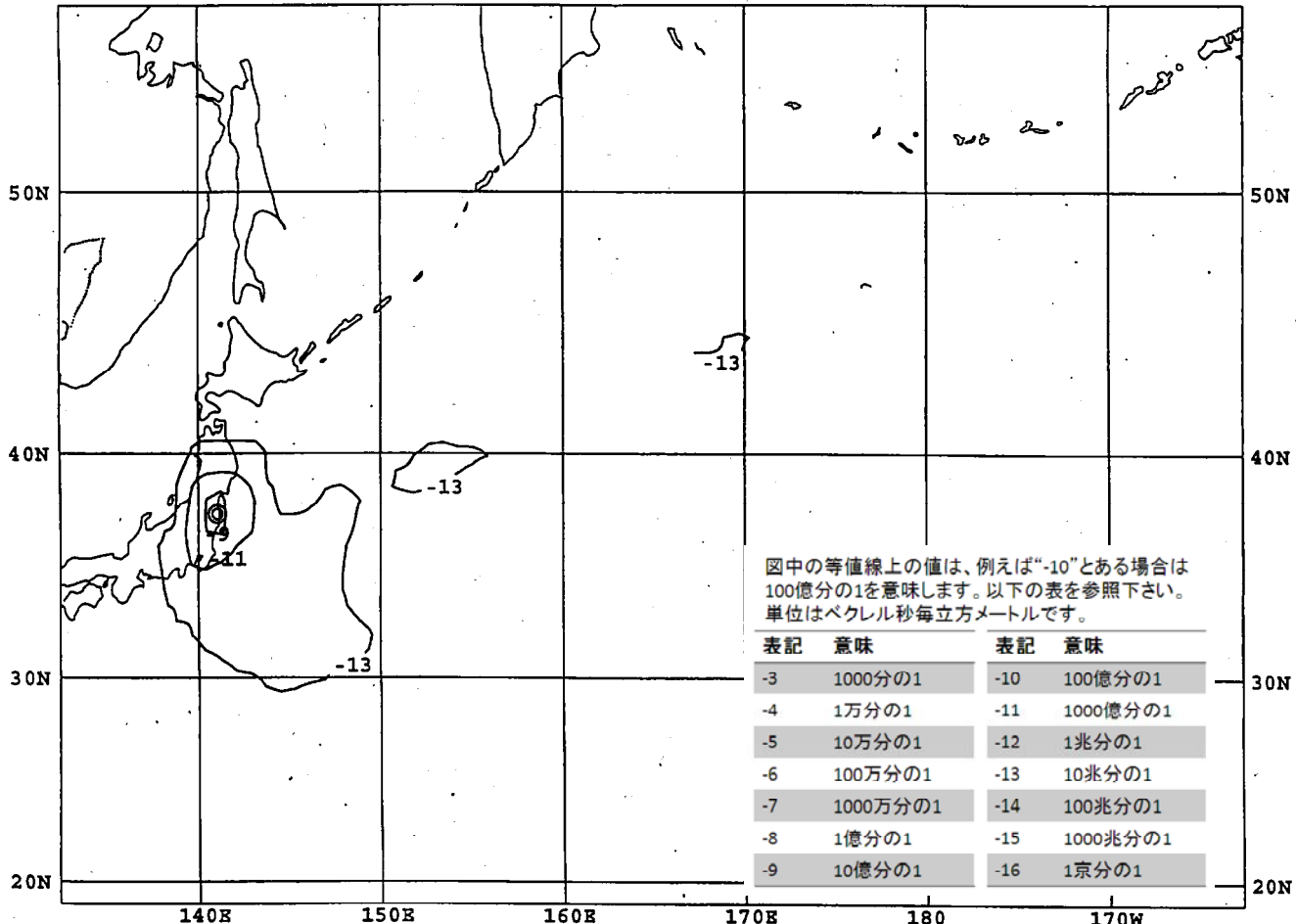
The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

DELEGATED AUTHORITY REQUESTED

IAEA NOTIFIED EMERGENCY

## TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

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



(ISSUED 1003UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : I -131  
START OF THE EMISSION : 1200UTC 13 MAR 2011  
END OF THE EMISSION : 1200UTC 16 MAR 2011  
◎ SOURCE LOCATION : LATITUDE 37.42N  
LONGITUDE 141.03E  
NAME FUKUSHIMA DAI-CHI, JAPAN  
ASSUMED TOTAL EMISSION : 1 BECQUEREL  
UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND  
UNIT : (BQ.S/M3)  
MAXIMUM : 2.40E-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。

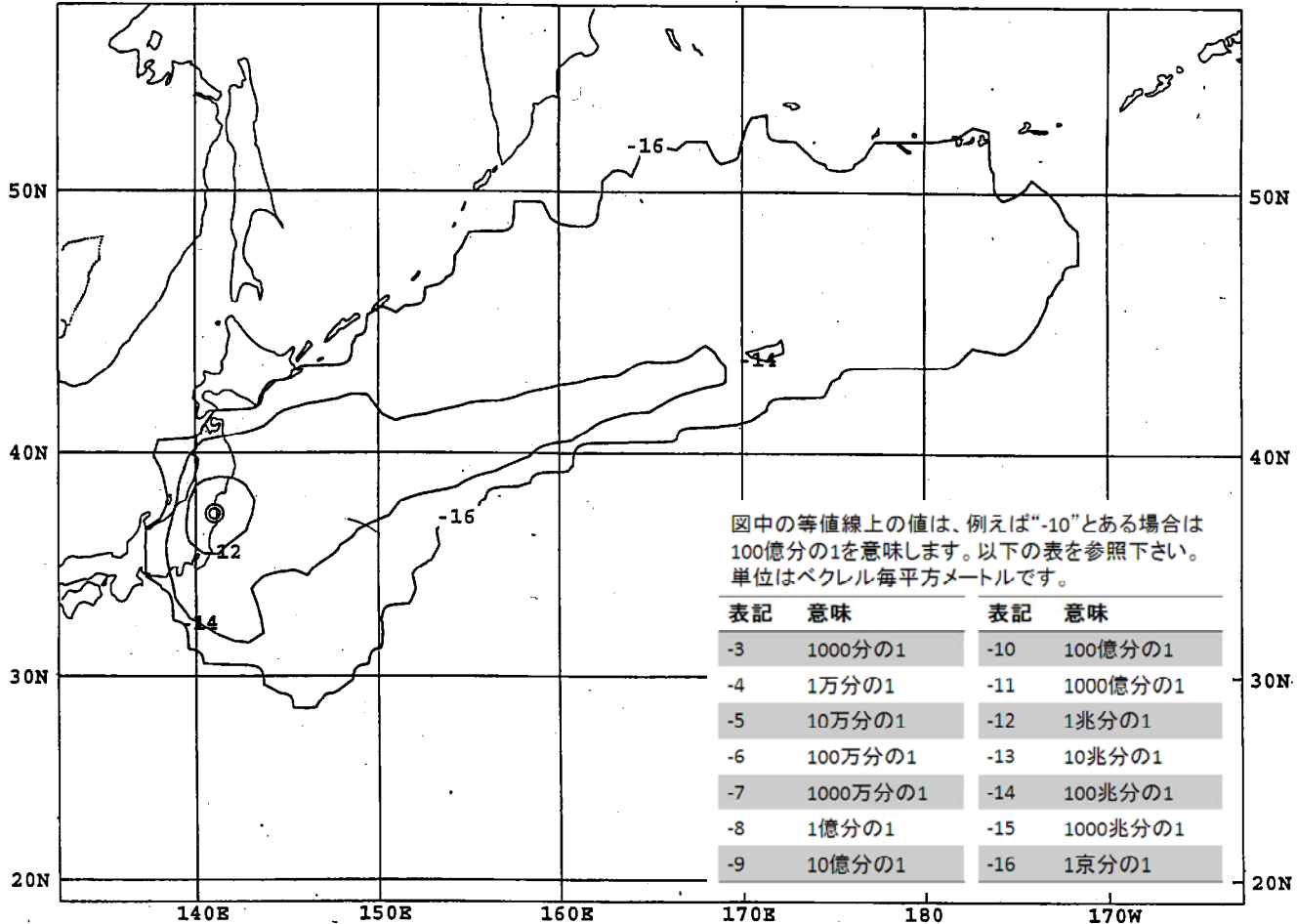
note from Japan Meteorological Agency:

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~~DELEGATED AUTHORITY REQUESTED~~  
 IAEA NOTIFIED EMERGENCY

## TOTAL (WET AND DRY) DEPOSITION

INTEGRATED FROM 12UTC 13 MAR 2011  
TO 00UTC 16 MAR 2011



図中の等値線上の値は、例えば“-10”とある場合は100億分の1を意味します。以下の表を参照下さい。単位はベクレル毎平方メートルです。

表記	意味	表記	意味
-3	1000分の1	-10	100億分の1
-4	1万分の1	-11	1000億分の1
-5	10万分の1	-12	1兆分の1
-6	100万分の1	-13	10兆分の1
-7	1000万分の1	-14	100兆分の1
-8	1億分の1	-15	1000兆分の1
-9	10億分の1	-16	1京分の1

(ISSUED 1003UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : I -131  
START OF THE EMISSION : 1200UTC 13 MAR 2011  
END OF THE EMISSION : 1200UTC 16 MAR 2011  
© SOURCE LOCATION : LATITUDE 37.42N  
LONGITUDE 141.03E  
NAME FUKUSHIMA DAI-CHI, JAPAN  
ASSUMED TOTAL EMISSION : 1 BECQUEREL  
UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND  
UNIT : (BQ/M2)  
MAXIMUM : 1.59E -11 (BQ/M2)  
CONTOURS: 1E -12 , 1E -14 , 1E -16

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。

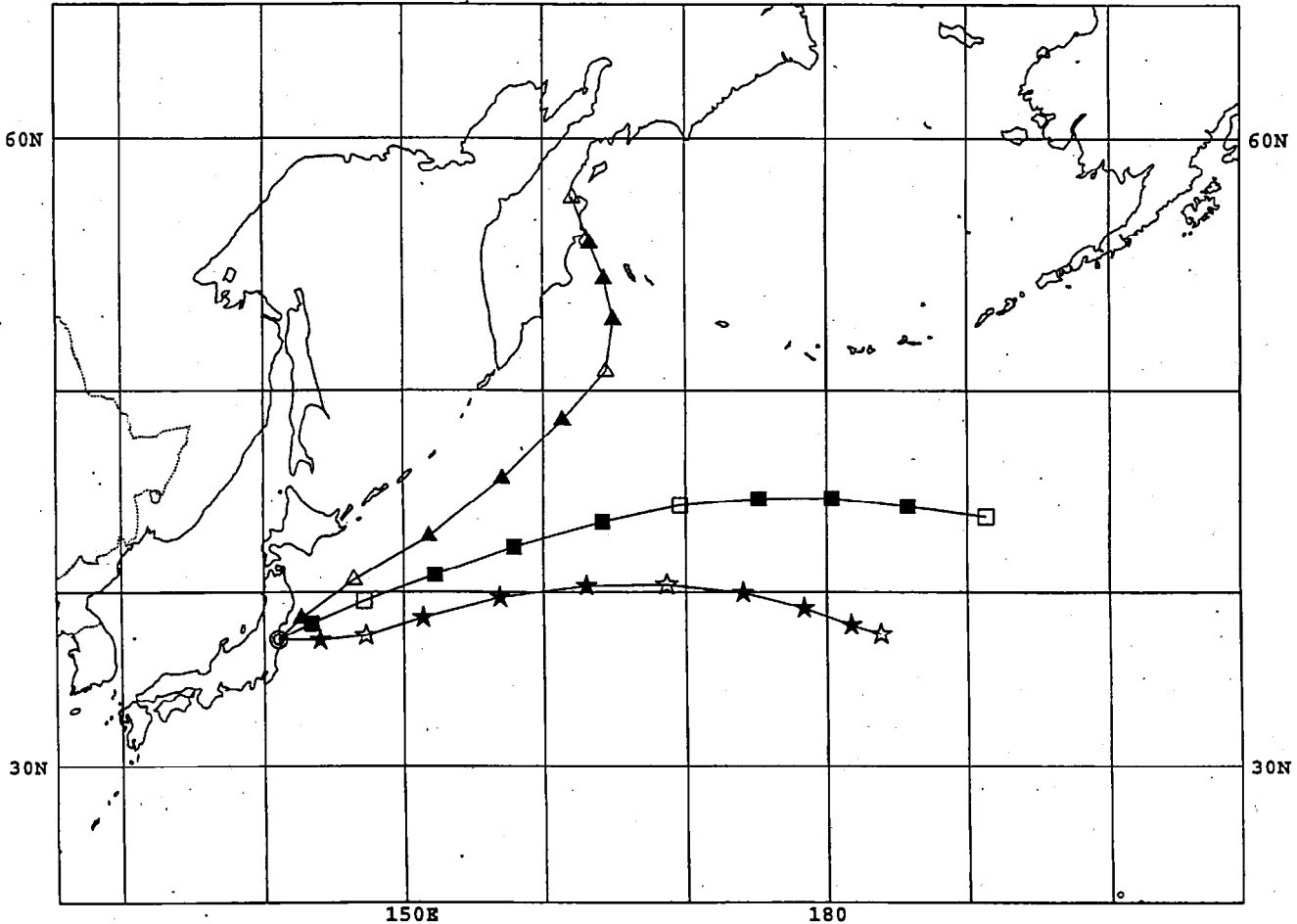
note from Japan Meteorological Agency:

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 1-131

FROM 12UTC 13 MAR 2011 TO 00UTC 16 MAR 2011

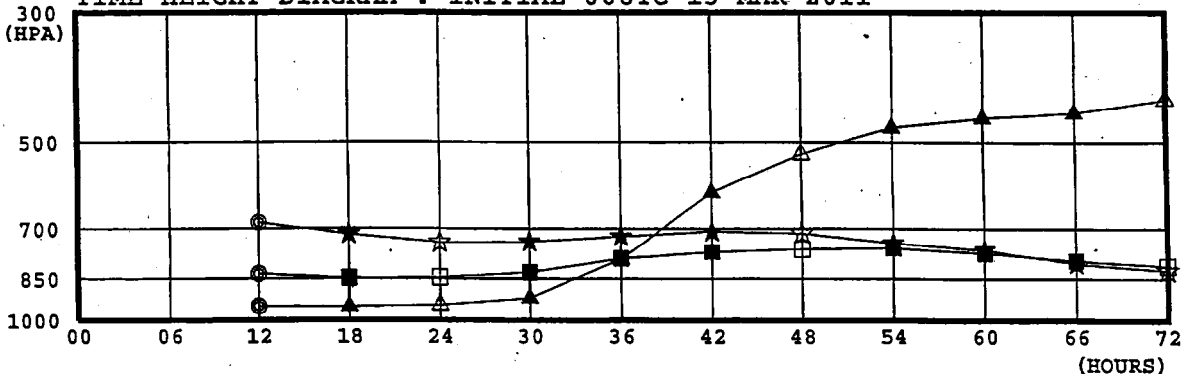


(ISSUED 1003UTC 13 MAR 2011)

- ▲ 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 DAI-CHI, JAPAN

TIME-HEIGHT DIAGRAM : INITIAL 00UTC 13 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。

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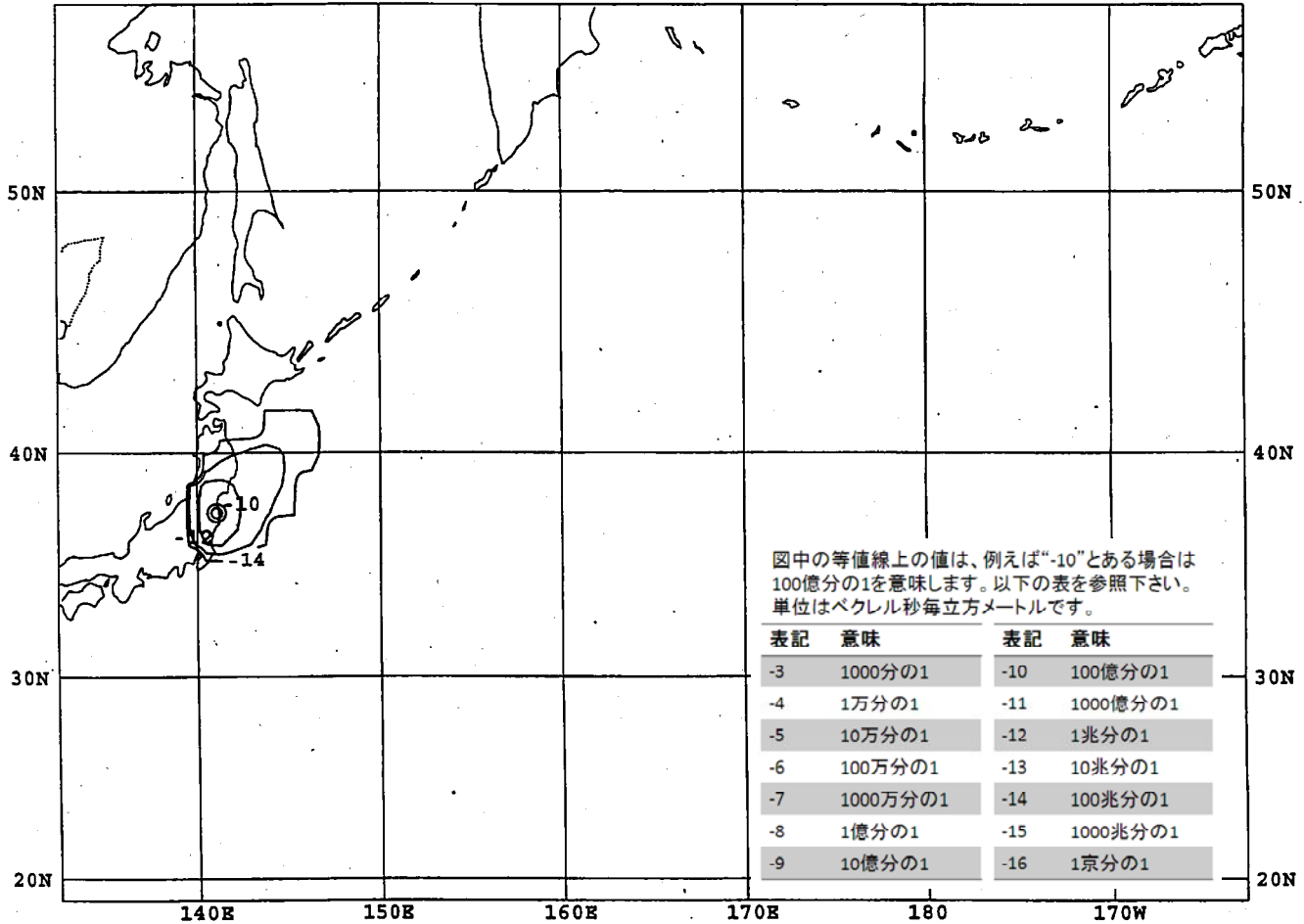
note from Japan Meteorological Agency:

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~~DELEGATED AUTHORITY REQUESTED~~  
 IAEA NOTIFIED EMERGENCY

### TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 12UTC 13 MAR 2011  
TO 00UTC 14 MAR 2011



(ISSUED 1024UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : CS-137  
START OF THE EMISSION : 1200UTC 13 MAR 2011  
END OF THE EMISSION : 1200UTC 16 MAR 2011  
◎ SOURCE LOCATION : LATITUDE 37.42N  
LONGITUDE 141.03E  
NAME FUKUSHIMA DAI-CHI, JAPAN

ASSUMED TOTAL EMISSION : 1 BECQUEREL  
UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND  
UNIT : (BQ.S/M3)  
MAXIMUM : 3.42E-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:

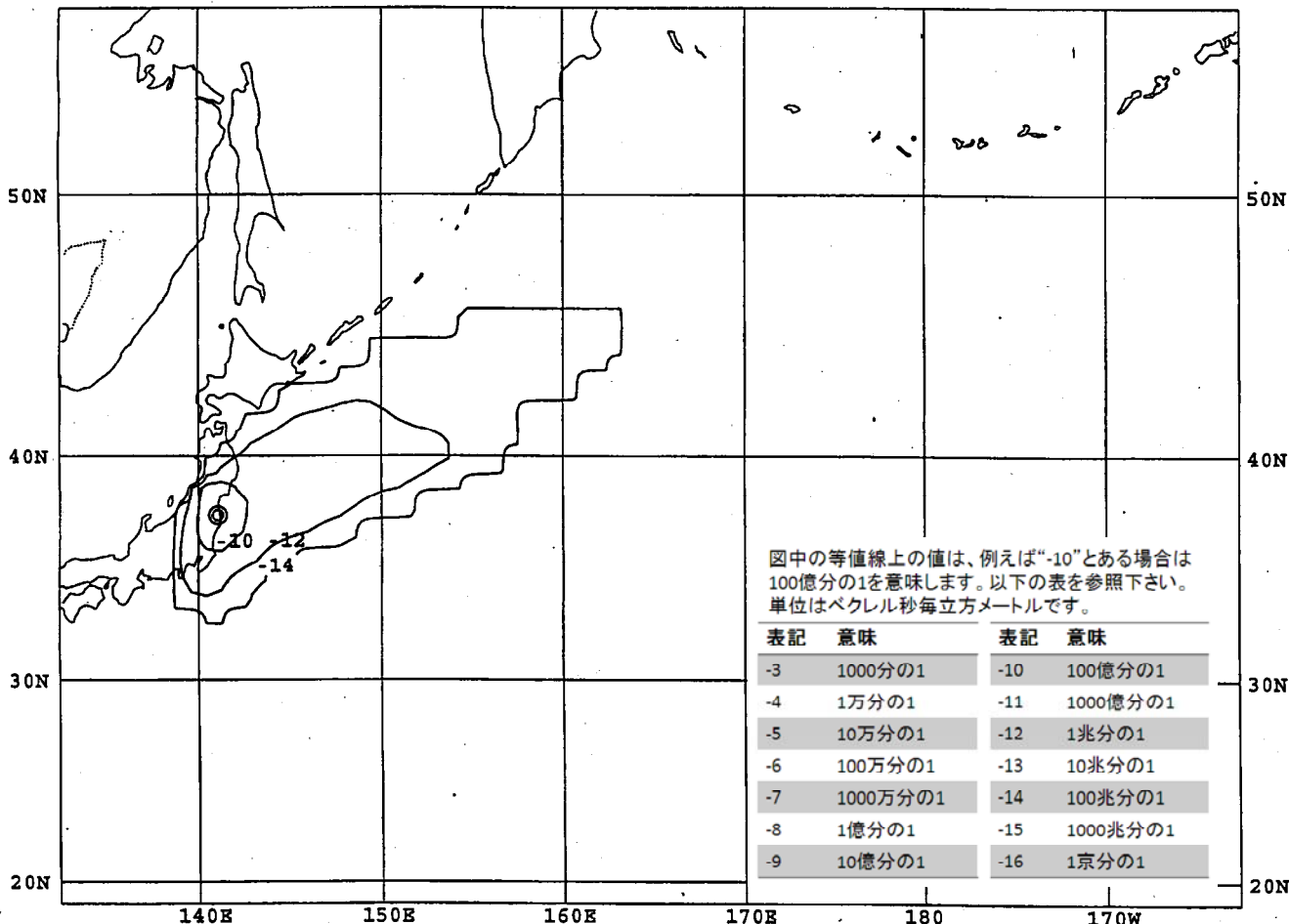
The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

DELEGATED AUTHORITY REQUESTED

IAEA NOTIFIED EMERGENCY

## TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 00UTC 14 MAR 2011  
TO 00UTC 15 MAR 2011



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-6	100万分の1	-13	10兆分の1
-7	1000万分の1	-14	100兆分の1
-8	1億分の1	-15	1000兆分の1
-9	10億分の1	-16	1京分の1

(ISSUED 1024UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : CS-137

START OF THE EMISSION : 1200UTC 13 MAR 2011

END OF THE EMISSION : 1200UTC 16 MAR 2011

◎ SOURCE LOCATION : LATITUDE 37.42N

LONGITUDE 141.03E

NAME FUKUSHIMA DAI-CHI, JAPAN

ASSUMED TOTAL EMISSION : 1 BECQUEREL

UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND

UNIT : (BQ.S/M3)

MAXIMUM : 4.61E-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。  
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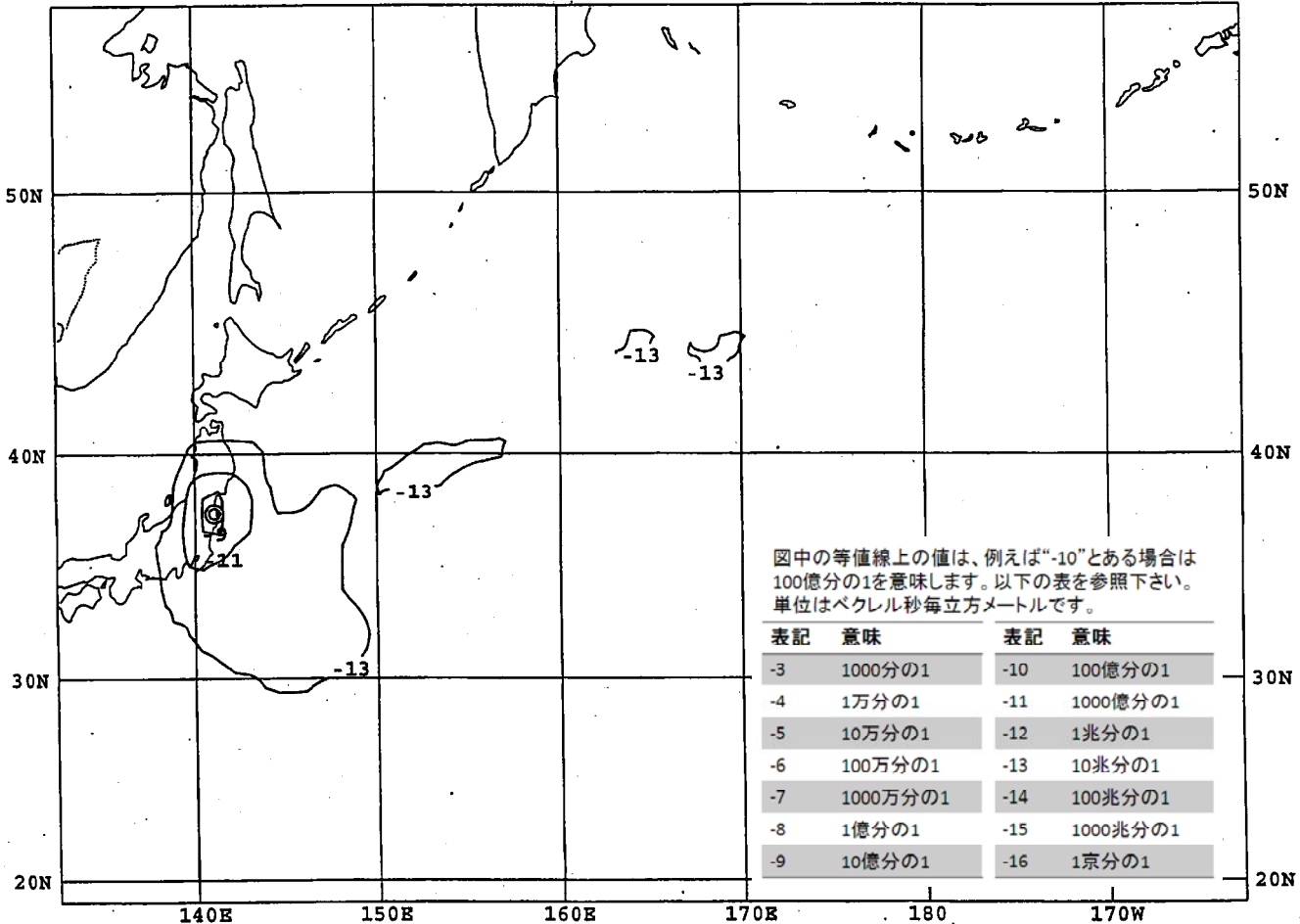
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 IAEA NOTIFIED EMERGENCY

### TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

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



(ISSUED 1024UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : CS-137  
 START OF THE EMISSION : 1200UTC 13 MAR 2011  
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 © SOURCE LOCATION : LATITUDE 37.42N  
 LONGITUDE 141.03E  
 NAME FUKUSHIMA DAI-CHI, JAPAN  
 ASSUMED TOTAL EMISSION : 1 BECQUEREL  
 UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND  
 UNIT : (BQ.S/M3)  
 MAXIMUM : 2.40E-9 (BQ.S/M3)  
 CONTOURS: 1E-9, 1E-11, 1E-13

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART



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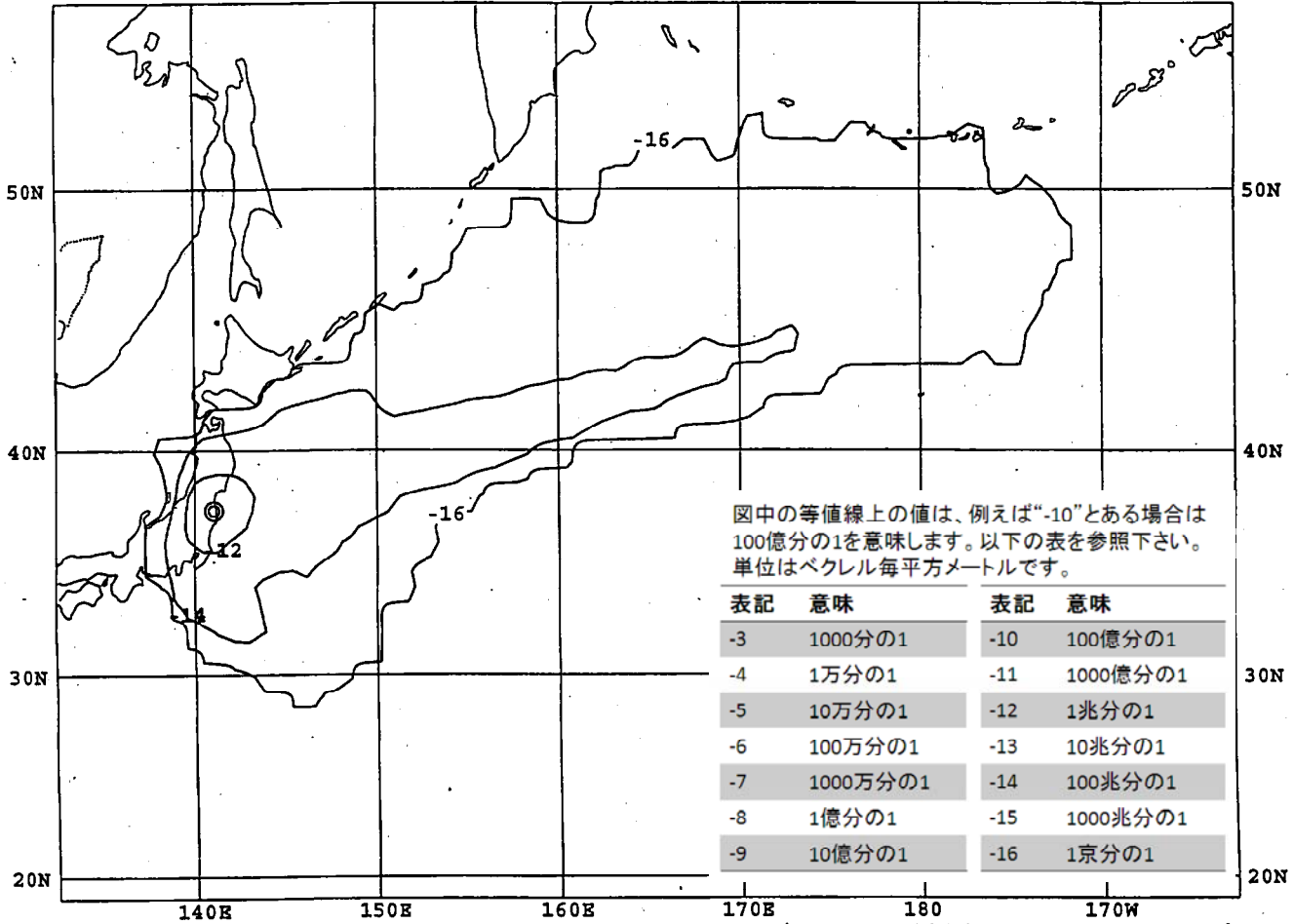
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 IAEA NOTIFIED EMERGENCY

## TOTAL (WET AND DRY) DEPOSITION

INTEGRATED FROM 12UTC 13 MAR 2011  
TO 00UTC 16 MAR 2011



図中の等値線上の値は、例えば“-10”とある場合は100億分の1を意味します。以下の表を参照下さい。単位はベクレル毎平方メートルです。

(ISSUED 1024UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : CS-137  
START OF THE EMISSION : 1200UTC 13 MAR 2011  
END OF THE EMISSION : 1200UTC 16 MAR 2011  
◎ SOURCE LOCATION : LATITUDE 37.42N  
LONGITUDE 141.03E  
NAME FUKUSHIMA DAI-CHI, JAPAN  
ASSUMED TOTAL EMISSION : 1 BECQUEREL  
UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND  
UNIT : (BQ/M2)  
MAXIMUM : 1.61E-11 (BQ/M2)  
CONTOURS: 1E-12, 1E-14, 1E-16

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

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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:

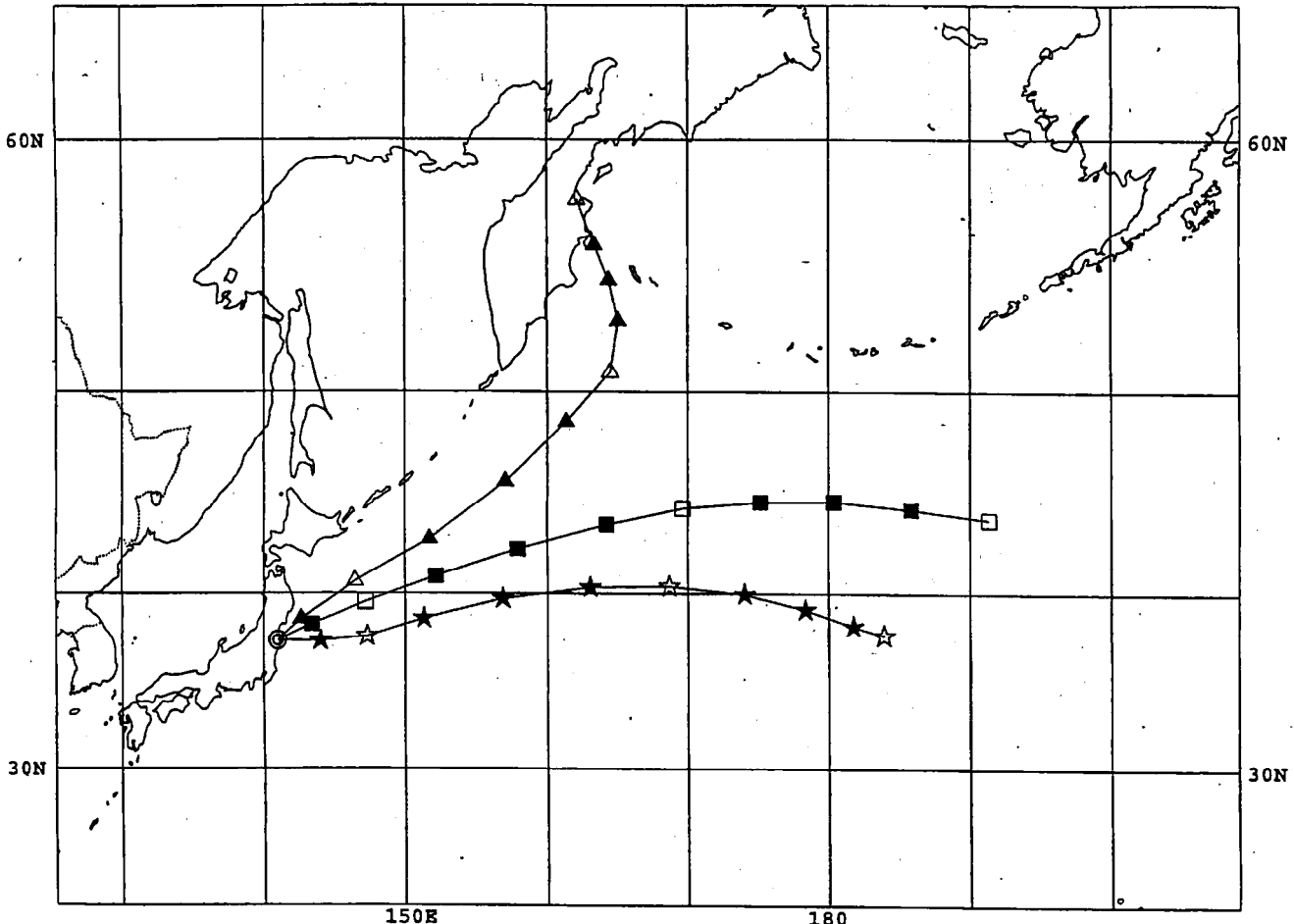
The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

~~DELEGATED AUTHORITY REQUESTED~~

IAEA NOTIFIED EMERGENCY

### 3-D TRAJECTORY CS-137

FROM 12UTC 13 MAR 2011 TO 00UTC 16 MAR 2011



(ISSUED 1024UTC 13 MAR 2011)

▲ INITIAL HEIGHT = 500M ABOVE THE SURFACE

■ INITIAL HEIGHT = 1500M ABOVE THE SURFACE

★ INITIAL HEIGHT = 3000M ABOVE THE SURFACE

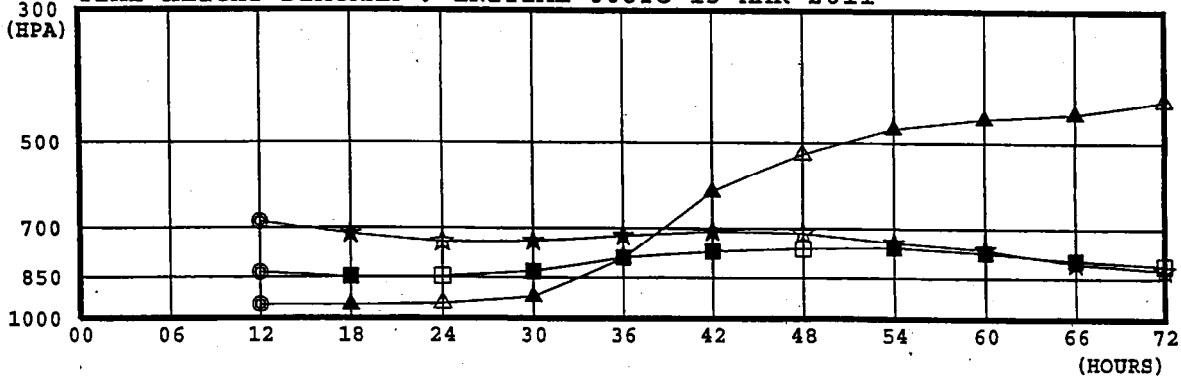
MARKED WITH TIME INTERVAL OF 6 HOURS

◎ SOURCE LOCATION : LATITUDE 37.42N

LONGITUDE 141.03E

NAME FUKUSHIMA DAI-CHI, JAPAN

TIME-HEIGHT DIAGRAM : INITIAL 00UTC 13 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: 2011-03-13/09:15(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 Dai-Chi, Japan (facility and place)
GEOGRAPHICAL LOCATION OF RELEASE: (MUST BE COMPLETED)	37.422 decimal degrees <input checked="" type="checkbox"/> N <input type="checkbox"/> S
	141.033 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 checked="" type="checkbox"/> LEAD RSMCs ONLY: GENERATE PRODUCTS* AND SEND TO IAEA ONLY
<input 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: 2011-3-13/12:00(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:100 (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:**

The IAEA HAS NOT been informed of a release at the above point in time from this facility. This request is made in the event that a release MAY OCCUR in the future We are kindly requesting 2 runs, one for I-131 and the other one for 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**