

Accident in the Japanese NPP Fukushima: Spread of Radioactivity/ from tomorrow onwards less favourable weather pattern/ low level radioactivity measured in California (Update: 19 March 2011 14:00)

Weather in the crisis region

Today dry weather prevails with westerly winds of up to 20 kph in rural areas. Temperatures reach 12 deg during daytime. Tomorrow Sunday rain showers can be expected in the afternoon, wind speed decreases and turns parallel to the coast towards northeast. On Monday a frontal system causes general cooling, snow above 600m and weak winds from direction north east. Tuesday snow fall reaches also lower areas, with north-easterly winds in the morning, later during the day the wind turns towards north-westerly directions.

Dispersion Modeling

The results of the dispersion model show a transport of contaminated air masses towards the Pacific Ocean with strong westerly winds. Tomorrow contaminated air masses spread towards the interior and reach areas north and south of the emission zone. (see pictures below).

The colour scale shows a total of 5 colours. The area marked „E“ shows an area with estimated current equivalent dose rate of 10 mSv/h (in a 25x25 km² square). The violet colour on the outer edge of contaminated areas (Area A) represents 0,3 µSv/h, which corresponds to the amount of the natural background radiation dose.

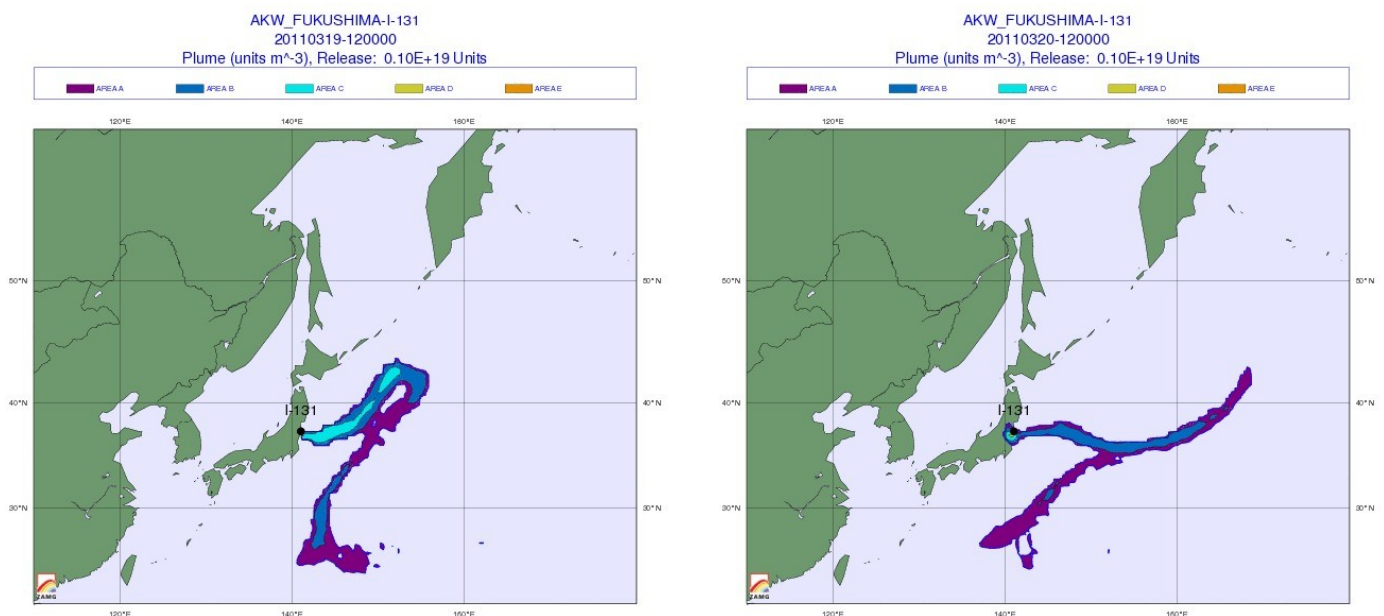


Abbildung: Ausbreitung der Wolke über Ostasien heute und morgen 12:00 UTC

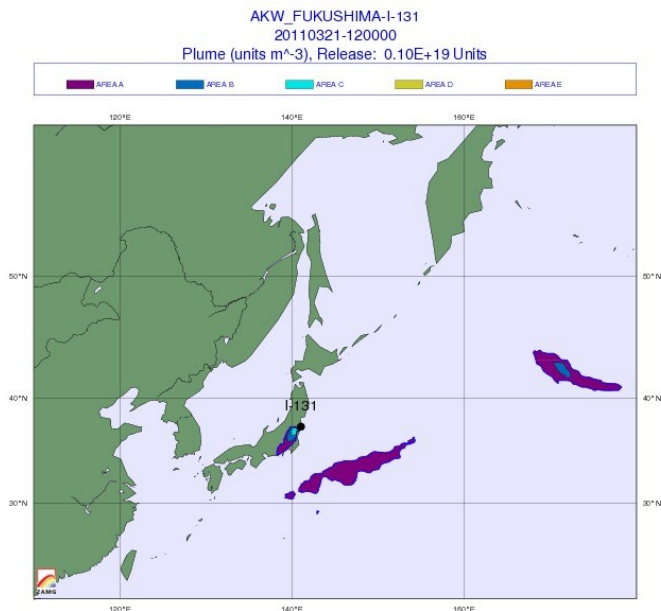


Abbildung: Ausbreitung der Wolke über Ostasien übermorgen
12:00 UTC

Radiation data/CTBTO

Minimal levels of Radiation now reached the CTBTO station in Sacramento/California. The radionuclides detected there on 16 March include Cesium-137 and Iodine-131. There is no reviewed report available yet. The concentrations of Iodine detected in Sacramento were about 5 orders of magnitude lower than in Takasaki. There is no health risk whatsoever.

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Stabsstelle Daten/Methoden/Modelle

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Die ZAMG kann keine Fragen im Zusammenhang mit Reisen nach Japan oder in andere Teile der Welt beantworten. Wir verweisen auf die aktuellen Reisewarnungen des Außenministeriums, die unter www.bmeia.gv.at verfügbar sind. Die Telefonnummer ist 0501150 4411.

Für allgemeine Anfragen steht das Call-Center im Innenministerium unter folgender Nummer zur Verfügung: 059133 9500

Diese Information wird täglich aktualisiert. Falls sich in der Zwischenzeit grundlegende Änderungen ergeben sollten, erfolgt ein Update.

Videos:

Ausbreitung der Wolke von Fukushima/permanente Freisetzung/Jod-131

Ausbreitung der Wolke von Fukushima/permanente Freisetzung/Cs-137 (globales Bild)