

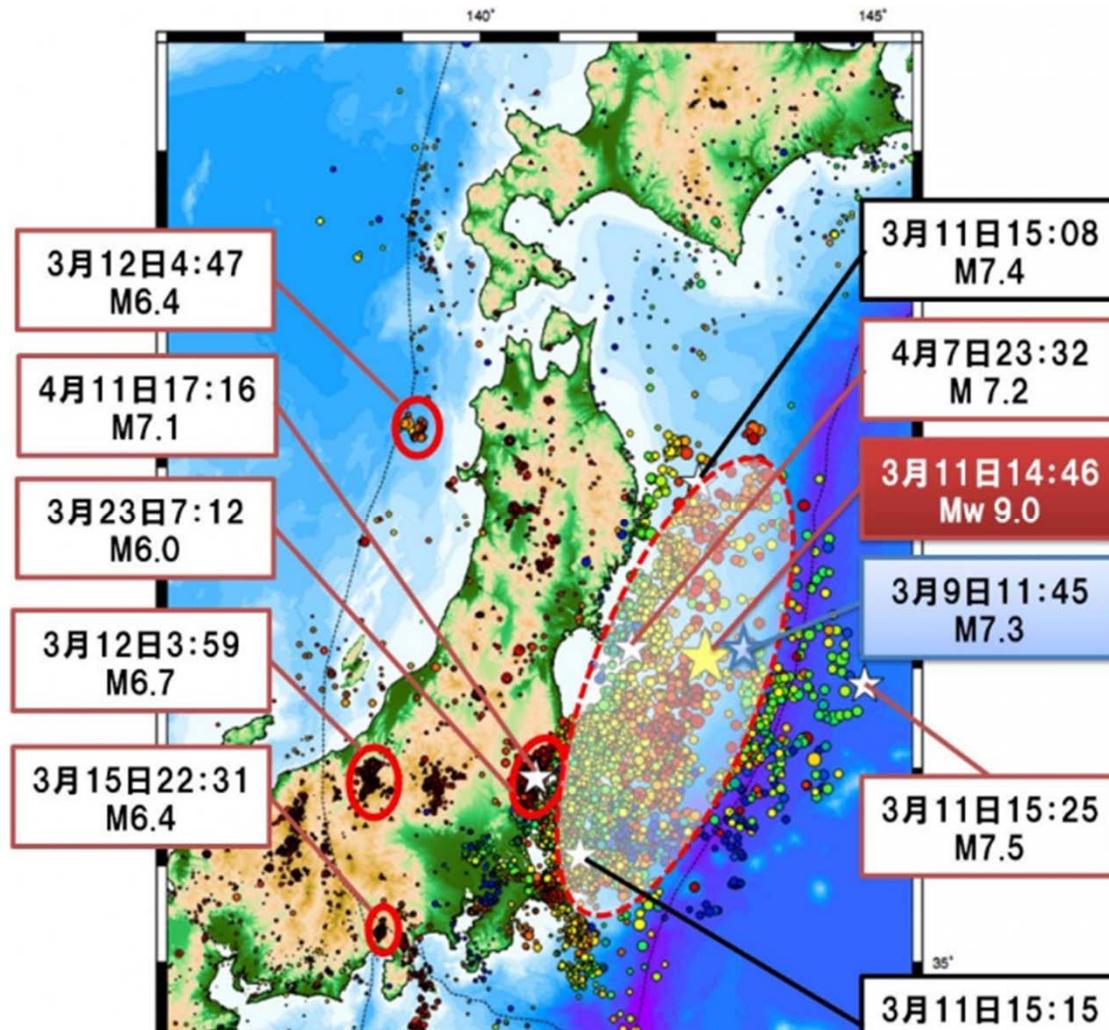
# Fukushima Accident : An overview



*[Note]*

- 1. The information contained here is preliminary and needs to be confirmed by the Accident Investigation Commission to be set up soon by the Government.*
- 2. The views expressed here does not represent the official view by AEC nor U of Tokyo nor TEPCO.*

## 3.11 Earthquake and aftershocks



### Statement by the Headquarter for Earthquake Research, 11March2011

The Earthquake Research Committee evaluated earthquake motion and tsunami for the individual region off-shore of Miyagi prefecture, to the east off-shore south of Sanriku along the trench, and to the south off-shore of Ibaraki prefecture, but occurrence of the earthquake that is linked to all of these regions is “out of hypothesis”.

[SOURCE]

<http://www.jishin.go.jp/main/index-e.html> The 2011 off the Pacific Coast of Tohoku Earthquake

[http://outreach.eri.u-tokyo.ac.jp/eqvolc/201103\\_tohoku/eng/#mesonet](http://outreach.eri.u-tokyo.ac.jp/eqvolc/201103_tohoku/eng/#mesonet)

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## 3.11 Earthquake

Design basis earthquake and observed acceleration (Basement of Reactor/B)

Nr.	MWe	3.11 Observed (max. gal)			Design (Ss) (max. gal)		
		N-S	E-W	Vertical	N-S	E-W	Vertical
1Fuku1	460	460	447	258	487	489	412
1Fuku2	784	346	550	302	441	438	420
1Fuku3	784	322	507	231	449	441	429
1Fuku4	784	281	319	200	447	445	422
1Fuku5	784	311	548	256	452	452	427
1Fuku6	1100	298	444	244	445	448	415

Note 1: **Damage by the earthquake:** Not fully inspected but maybe not significant considering the KK earthquake (2007) where no damage to safety functions even though the observed acceleration exceeded design basis by factor 2-3  
(Acceleration will not necessarily be damages indicators)

Note 2: **Scram set points** by acceleration (Basement of Reactor Building)  
Horizontal=135-150 gal, Vertical=100 gal