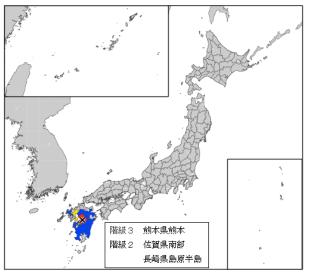
#### **♦**Overview

		_
Origin Time	2016-04-14 21:26 (JST) 2016-04-14 12:26 (UTC)	
JMA Magnitude (M <sub>JMA</sub> )	6.5	/
Moment Magnitude (Mw)	6.1 (F-net), 6.2 (USGS)	
Epicenter Region	Kumamoto Pref.	] (
Depth	11 km	1
Focal Mechanism	Strike-slip fault type with a tension axis in a North - South direction	
Maximum JMA Seismic Intensity	7 (Kumamoto Pref.)	
Long-Period Ground Motion (LPGM) Class	Class 3 in Kumamoto Pref. (See the figure below)	(
Damage	9 dead, 53 seriously injured, 712 slightly injured. *1	34°30
Remarks	A derailment accident of an out-of- service bullet train on the JR Kyushu Shinkansen line	
		<b>1</b> 34°00

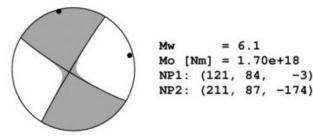
http://www.jma.go.jp/jma/press/1604/15g/201604151530.html https://www.jma.go.jp/jma/press/1604/15g/kaisetsu201604151530.pdf \*1: http://www.fdma.go.jp/bn/2016/

# ♦ LPGM JMA Seismic Intensity Map (See the next page for more information about the scale)



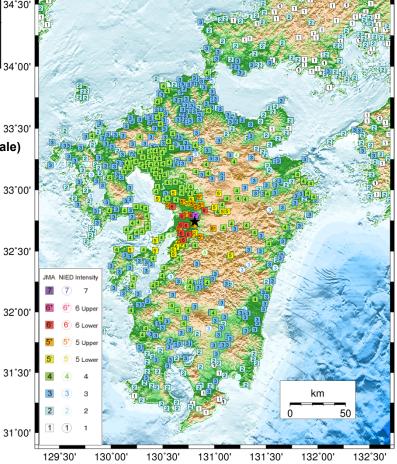
https://www.data.jma.go.jp/eew/data/ltpgm\_explain/data/past/20160414212638/index.html

**♦**Moment Tensor



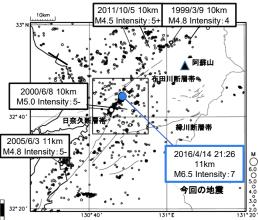
F-net: https://www.fnet.bosai.go.jp/event/tdmt.php? id=20160415162400&LANG=en

### ♦JMA Seismic Intensity Map (See the next page for more information about the scale)

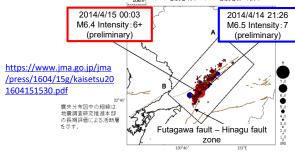


## ◆Epicenter Distribution

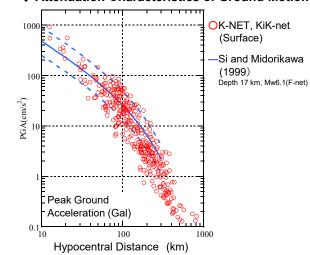
(1997年10月1日~2016年4月14日21時26分、深さ0~20km、M2.0以上)

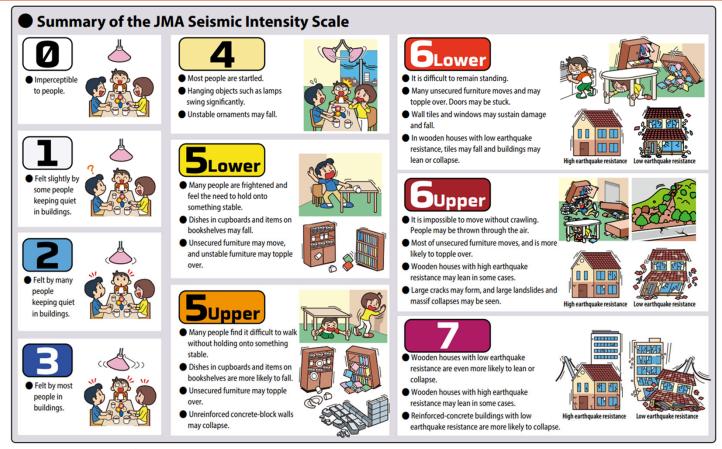


震央分布図 (2016年4月14日21時00分~15日14時00分、M全て、深さ0~20km) 16月14日の地震を青、15日の地震を赤で表示



#### **♦** Attenuation Characteristics of Ground Motion





## JMA Intensity Scale for Long-Period Ground Motion

Long-Period (	Fround Motion(LPGM) class	Human perception	Indoor situation
class1		Felt by most people in buildings. Some people are startled.	Hanging items such as lamps and blinds swing significantly.
class2		Many people find it difficult to walk without holding onto something stable.	<ul> <li>Furniture on casters moves slightly.</li> <li>Items in cupboards and bookshelves may fall.</li> <li>Some of unsecured moves and may topple over.</li> </ul>
class3		It's difficult to remain standing.	<ul> <li>Furniture on casters moves significantly.</li> <li>Some of unsecured moves and may topple over.</li> <li>Partition walls may crack.</li> </ul>
class4		It's impossible to remain standing or move without crawling.  People are at the mercy of shaking.	<ul> <li>Furniture on casters moves significantly and may topple over.</li> <li>Unsecured furniture moves and may topple over.</li> <li>Partition walls are likely to crack.</li> </ul>

As Seismic Intensity data only partially express the strength of long-period shaking on higher floors, JMA is using a four-category intensity scale for LPGM to indicate the strength of shaking in high-rise buildings and the possibility of related damage.

The scale quantifies the effects of shaking in a high-rise building with a natural period of around 1.5 to 8 seconds (approx. 14 stories or more). There are four classes based on degrees of human perception and damage, such as toppling or shifting of furniture and fixtures. The conditions indicated are a rough guide, and actual damage may differ. Effects also vary with factors such as building/structural conditions and the duration of earthquake motion.