

# 地震の規模(地震モーメント)と震源断層面積との関係

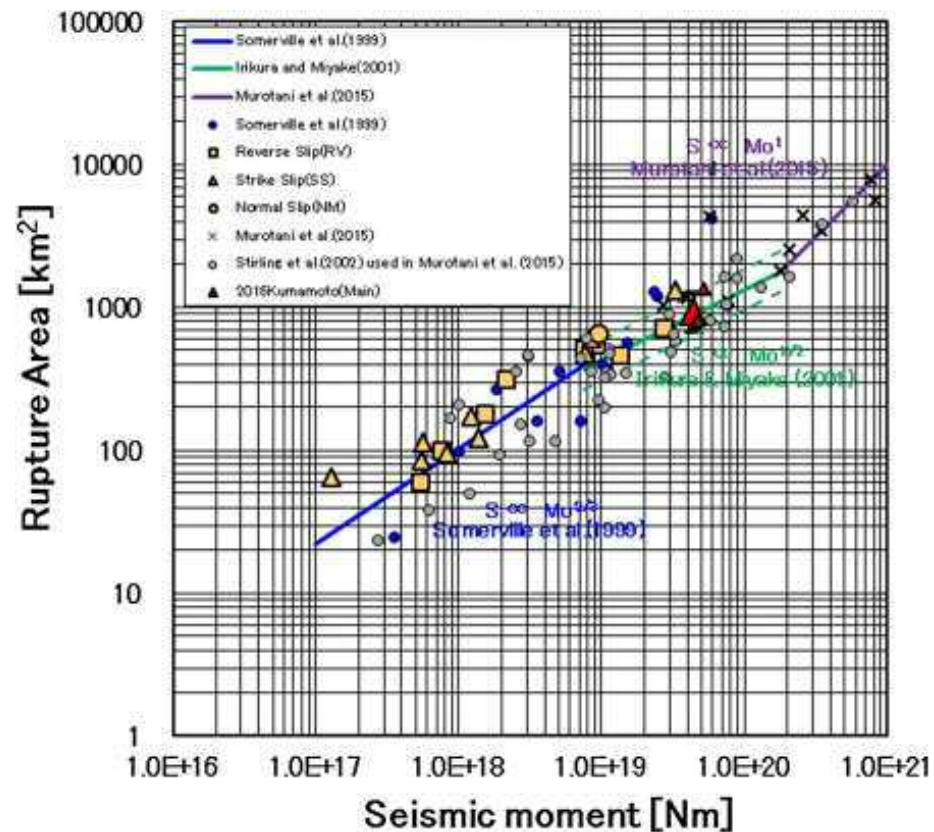
**Table 1 Source parameters of the 2016 Kumamoto earthquake obtained from inversion results**

References	Mo (inv.) <sup>a</sup>	Mo (F-net)	Length		Width		Rupture area		Av. slip		Max. slip		Total asperity area			
	N m	N m	km	km	km	km	km <sup>2</sup>	km <sup>2</sup>	m	m	m	m	km <sup>2</sup>	/area		
Kubo et al. (2016)	5.3E+19	4.4E+19	46.9 <sup>c</sup>	56	19.8 <sup>b</sup>	24	930 <sup>c</sup>	1344	1.66 <sup>c</sup>	1.23	4.95 <sup>c</sup>	4.55	178 <sup>c</sup>	260	0.19	0.19
Asano K, Iwata T (2016)	4.5E+19			42	18		756		1.87		5.13		136		0.18	
Yoshida et al. (2016)	4.8E+19			44 <sup>b</sup>	18		792		1.98		5.18		160		0.20	

<sup>a</sup> Seismic moment obtained from inversion results

<sup>b</sup> Fault length and width are trimmed following the criterion of Somerville et al. (1999)

<sup>c</sup> Logarithm averages of the three models



Irikura et al. (2017)