Table 1. TOPICS Input Parameters and Outputs for Five Tsunami Source Segments in Figure 1[a]

Parameters	S1	S2	S3	S4	S5
			Input Parameters		
τ, s	60	272	588	913	1273
x_o	94.57°E	93.90°E	93.21°E	92.60°E	92.87°E
y_o	3.83°N	5.22°N	7.41°N	9.70°N	11.70°N
d, km	25	25	25	25	25
φ	323°	348°	338°	356°	10°
λ	90°	90°	90°	90°	90°
δ	12°	12°	12°	12°	12°
Δ, m	18	23	12	12	12
L, km	220	150	390	150	350
W, km	130	130	120	95	95
μ, Pa	4×10^{10}	4×10^{10}	4×10^{10}	4×10^{10}	4×10^{10}
			Output Parameters		
M_o (J)	1.85×10^{22}	1.58×10^{22}	2.05×10^{22}	0.61×10^{22}	1.46×10^{22}
λ_o, km	130	130	120	95	95
τ_o, min	24.77	17.46	23.30	18.72	18.72
η_o, m	−3.27; +7.02	−3.84; +8.59	−2.33; +4.72	−2.08; +4.49	−2.31; +4.60

[a]Given are: time delay of segment rupture from earthquake time τ (a 60-s rising time is added); longitude and latitude of segment centroid (x_o, y_o); the centroid depth d, the fault strike angle φ (clockwise from north); the fault rake angle λ (counterclockwise from strike); the fault dip angle δ with the horizontal plane; the maximum fault slip Δ; the segment length along and width across (L, W); and the medium shear modulous μ; the seismic moment M_o; the characteristic initial tsunami wavelength λ_o and period τ_o; and the characteristic tsunami trough and peak amplitudes η_o. Note that in the simulation, slip is maximum at the segments' centroid and drops by 50% at a radius of L from it. The total seismic moment of all five segments is $M_o = 7.55 \times 10^{22}$ or $M_w = 9.25$.