

Cybershake 20+ Inputs Table

Sources

	v18p6	v19p5	v20p4 + v20p5 (v20p8)	v20p6+v20p9 (v20p11)	21p6 (21p1 / 21p6)
Number of Faults Considered	483	472	478 + 8 Subduction Sources	478 + 8 Subduction Sources	21 + 32 + 35 = 88 faults total
Genslip Version Used	3.3 ?	?	5.4.2	5.4.2	5.4.2
Perturbations	Magnitude-dependant number of realizations one slip distribution per hypocentre	Same as 18p6	18p6 + monte carlo magnitude uncertainty on the sigma from the leonard relation and magnitude dependent stress drop	same as v20p4	same as v20p4 + VM Perturbations
Mw Scaling Rel	Leonard 2014	Leonard 2014	Leonard 2014	Leonard 2014	Leonard 2014

Velocity Model

	v18p6	v19p5	v20p4 + v20p5 (v20p8)	v20p6+v20p9 (v20p11)	21p6 (21p1 / 21p6)
VM Version	2.03	2.03	2.03	2.03	2.06
Eberhart Phillips Base Model	2012	2012	2012	2012	2012
VM_Topography	BULLDOZED	BULLDOZED	BULLDOZED	BULLDOZED	BULLDOZED
N_basins	9	9	9	9	23
Grid Spacing	400m	400m	400m	200m	100m
PGV threshold for size	2 cm/s	2 cm/s	2 cm/s (3 cm/s for subduction sources)	2 cm/s (3 cm/s for subduction sources)	2 cm/s (no subduction sources)
1D-VM	Cant1D_v3-midQ_OneRay.1d	Cant1D_v3-midQ_OneRay.1d	Cant1D_v3-midQ_OneRay.1d	Cant1D_v3-midQ_OneRay.1d	Cant1D_v3-midQ_OneRay.1d

Stations

	v18p6	v19p5	v20p4 + v20p5 (v20p8)	v20p6+v20p9 (v20p11)	21p6 (21p1 / 21p6)
Number of Stations	27481	27481	25948	25948	25948
vs30 version		Updated	Updated again	Same as v20p4	Same as v20p4

Simulation Method

	v18p6	v19p5	v20p4 + v20p5 (v20p8)	v20p6+v20p9 (v20p11)	21p6 (21p1 / 21p6)
Transition Frequency	0.25 Hz	0.25 Hz	0.25 Hz	0.5 Hz	1 Hz
HF Version Used		5 . 4 . 5 . 1	5 . 4 . 5 . 3	5 . 4 . 5 . 3	5 . 4 . 5 . 3
EMOD Version	3.04		3.0.8	3.0.8	3.0.8
BB Method					

Outputs

	v18p6	v19p5	v20p4 + v20p5 (v20p8)	v20p6+v20p9 (v20p11)	21p6 (21p1 / 21p6)
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n_waveforms	49,748,325	49,483,365	35,346,793 + 4,145,589	35,493,387 + 4,188,133	2,927,753 + 2,889,718 + ?
Terabytes	43.67 T	11 T	9.5 T	9.5 T	730 G + 450 G