Cybershake v21p1

Small region at the north of the South Island.

Final fault list:Entire South Island (AlpineF2K pending)

"Scientific" Improvements

	Functionality	To be included in this version	Might be included	Not this version
Velocity Model				
	Basin Modeling	verified USER basins		
	Velocity Model variations			
Tectonics				
	Subduction			Adjust 3 cm/s PGV threshold for VMs
Source Generation				
	SRF roughness			Testing with ruptures above surface to be done
LF				
	100m simulation realisations			
Sim Methodology				
	Sim methodology improvements	Using gmsim_v20.4.1		
Stations				
Vs30				
	vs30 improvements			Use combination vs30 model / general updates to model
Realisations				
	Additional Realisation Parameters (e.g. Magnitude)	Mw - Stress drop perturbation based on Leonard sigma and correlated together slip/rake/rise time perturbations come from the seed we pass to genslip Shypo / Dhypo unchanged from last version VM perturbations introduced		Latest improvements from the perturbation workflow
Fault Sources				https://uceqeng.slack.com/archives/C0GBS5GQ3/p1575857561203300 GNS ERF changes