

Post-processing														
	Source			Velocity			Observed GM	Computation						Post-processing
	Source info	Automation	SRFgen Code	3DVM	1DVM	Vs30		Install script	LF	post_emod	install BB	HF	BB	
Single Scenario	Literature/GeoNet	Manually premade	createSRF.py	Manually premade	Manually premade generic Manually premade site-specific	Manually created cantstations.vs30 or nonuniformgrid.vs30	Manually obtained and processed	install.sh (fitzroy/kupe)	submit_emod3d.sh	submit_postemod.sh	install_bb.sh	submit_hf.sh	submit_bb.sh	Timeseries and IM processing
Real Time	Literature/GeoNet	Automated	createSRF.py	Automatically runs ./NZVM based on source location and characteristics	Manually premade generic Manually premade site-specific	Vs30 obtained from Foster et al. map based on obs gm locations	Automated downloading and creates .ll, .vs30 and 1D profiles	setupremote (hypocentre) calls install.sh	submit_emod3d.sh	submit_postemod.sh	install_bb.sh	submit_hf.sh	submit_bb.sh	Timeseries and IM processing
Validation	GeoNet	Manually premade	createSRF.py	Manually premade	Manually premade generic Manually premade site-specific	Manually created cantstations.vs30	Manually obtained and processed	install.sh (fitzroy/kupe)	submit_emod3d.sh	submit_postemod.sh	install_bb.sh	submit_hf.sh	submit_bb.sh	Timeseries and IM processing Nonergodic
Cybershake	NSHM	Automated	nshm2srf.py	nsh2vm.py based on source location and characteristics	Manually premade generic	Manually created nonuniformgrid.vs30		install_cybershake.sh (hypocentre)	submit_cybershake_emod3d.sh	submit_cybershake_postemod.sh	install_cybershake_bb.sh	submit_cybershake_hf.sh	submit_cybershake_bb.sh	Timeseries and IM processing Hazard analysis
Uncertainty Analysis	Literature/GeoNet	Manually premade	createStochSRF.py	Manually premade	Manually premade generic	Manually created cantstations.vs30 or nonuniformgrid.vs30	Manually obtained and processed	install.sh (fitzroy/kupe)	submit_emod3d.sh	submit_postemod.sh	install_bb.sh	submit_hf.sh	submit_bb.sh	Timeseries and IM processing Nonergodic
Future	Various sources	Automated	createSRF.py	Automated	Manually premade generic Automated site-specific	Vs30 obtained from Foster et al. map based on obs gm locations	Manually obtained and processed	install_cybershake.sh (hypocentre)	submit_cybershake_emod3d.sh	submit_cybershake_postemod.sh	install_cybershake_bb.sh	submit_cybershake_hf.sh	submit_cybershake_bb.sh	Timeseries and IM processing Hazard analysis Nonergodic