

Parameters and locations in new folder hierarchy

Yellow: to be decided/changed

Red: to be deleted

Generic Parameters

	Nesi	Root	Data	Runs	Fault	realization	LF/HF /BB /IM_Calc	Note	Example
mgmt_db_location		✓						The same for all faults. Same as the path to Root - unsure if needed	/home/melody.zhu/Albury/
version		✓						Selected during install	gmsim_v18.5.3
stat_coords						✓			/home/melody.zhu/Albury /Albury_VM_home_melodypzhu_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/fd_rt01-h0.400.statcoords
flo		✓						default	0.25
srf_dir			✓						/home/melody.zhu/Albury/Data/Sources/
srf_file						✓			/home/melody.zhu/Albury/Data/Sources/Albury/Srf /Albury_HYP15-21_S1384.srf
sim_dir						✓			/home/melody.zhu/Albury /Albury_VM_home_melodypzhu_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128
bb_dir						✓		(Unneeded - sim_dir/ + 'BB')	/home/melody.zhu/Albury /Albury_VM_home_melodypzhu_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/BB
lf_sim_root_dir								(Unneeded - sim_dir/ + 'LF')	/home/melody.zhu/Albury /Albury_VM_home_melodypzhu_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/LF
hf_dir								(Unneeded - sim_dir/ + 'HF')	/home/melody.zhu/Albury /Albury_VM_home_melodypzhu_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/HF
vel_mod_dir					✓				/home/melody.zhu/Albury/Data/VMs/Albury
tools_dir	✓								/nesi/project/nesi00213/EMOD3D/tools
run_name						✓			Albury_VM_home_melodypzhu_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128
FD_STATLIST						✓			/home/melody.zhu/Albury /Albury_VM_home_melodypzhu_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/fd_rt01-h0.400.ll
stat_file		✓							/nesi/project/nesi00213/StationInfo /non_uniform_whole_nz_with_real_stations-hh400_v18p6.ll
	Nesi	Root	Data	Runs	Fault	realization	LF/HF /BB /IM_Calc	Note	Example
global_root	✓								/nesi/project/nesi00213
user_root		✓						Potential Remove	/home/melody.zhu/Albury
run_dir	✓							Potential Remove	/nesi/nobackup/nesi00213/RunFolder/
stat_vs_est		✓							/nesi/project/nesi00213/StationInfo /non_uniform_whole_nz_with_real_stations-hh400_v18p6.vs30
stat_vs_ref		✓							/nesi/project/nesi00213/StationInfo /non_uniform_whole_nz_with_real_stations-hh400_v18p6.vs30ref
v_mod_1d_dir	✓								/nesi/project/nesi00213/VelocityModel/Mod-1D
dt		✓							

	Nesi	Root	Data	Runs	Fault	realization	LF/HF /BB /IM_Calc	Note	Example
user_scratch					✓			Autogene rated from sim_dir	/home/melody.zhu/Albury/scratch
vel_mod_params_dir			✓					(same as above)	/home/melody.zhu/Albury/Data/VMs/Albury
version								Default	3.0.4-mpi
vmoddir			✓					(same as params dir?)	/home/melody.zhu/Albury/Data/VMs/Albury
vmodel_swapb								Default	0
wcc_prog_dir	✓							(same as tools_dir)	/nesi/project/nesi00213/EMOD3D/tools
xseis								Default	0
yseis								Default	0
zseis								Default	0

VM Related Parameters

(params_vm.yaml stored in Data/VMs)

	Nesi	Root	Data	Runs	Fault	realization	LF/HF/BB/IM_Calc	Note	Example
MODEL_LAT									-44.1301395408
MODEL_LON									170.711376933
MODEL_COORDS									model_coords_rt01-h0.400
MODEL_BOUNDS									model_bounds_rt01-h0.400
MODEL_ROT									43
MODEL_PARAMS									model_params_rt01-h0.400
GRIDFILE									gridfile_rt01-h0.400
GRIDOUT									gridout_rt01-h0.400
nz									0.5
nx									517
ny									501
hh									0.4
vel_mod_params_dir								vel_mod_dir	/home/melody.zhu/Albury/Data/VMs/Albury
sufx									_rt01-h0.400

LF Related Parameters

	Nesi	Root	Data	Runs	Fault	realization	LF/HF /BB /IM_Calc	Note	Example
ts_out_dir							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury- h0p4_EMODv3p0p4_181128/LF/TSlice/TSFiles
t_slice_dir							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury- h0p4_EMODv3p0p4_181128/LF/TSlice lf_vel_resume: true

ts_out_prefix							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/LF/TSlice/TSFiles /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128
lf_sim_dir							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/LF
lf_vel_resume							✓		true
SEISDIR							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/LF/OutBin
FILELIST							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/LF/fdb.filelist
slipout_dir							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/LF/SlipOut
log_dir							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/LF/Rlog
vel_dir							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/LF/Vel
ts_file							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/LF/OutBin /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128_xyts.e3d
plot_ps_dir							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/LF/TSlice/PlotFiles
plot_png_dir							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/LF/TSlice/Png
restart_dir							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/LF/Restart
bin_output							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzhz_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/LF/OutBin

HF Related Parameters

	Nesi	Root	Data	Runs	Fault	realization	LF/HF/BB /IM_Calc	Note	Example
hf_rvfac		✓						default	0.8
hf_sdrop		✓						default	50
hf_prefix									hf
hf_sim_bin	✓								/nesi/project/nesi00213/EMOD3D/tools/hb_high_v5.4.5_np2mm+
hf_path_dur		✓						default	1
hf_dt		✓						default	0.005
hf_slip							✓ (HF)		/home/melody.zhu/Albury/Data/Sources/Albury/Stoch /Albury_HYP15-21_S1384.stoch
hf_kappa		✓						default	0.045

BB Related Parameters

	Nesi	Root	Data	Runs	Fault	realization	LF/HF /BB /IM_Calc	Note	Example
v_mod_1d_name								Change to full path of 1-d model	Cant1D_v2-midQ_leer

hf_resume								Always True	true
hf_acc_dir						✓			/home/melody.zhu/Albury /Albury_VM_home_melodypzh_u_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/HF/Acc
hf_run_name								run_name ???not the same as run_name	Cant1D_v2-midQ_leer_hfnp2mm+_rvf0p8_sd50_k0p045
site_specific		✓						default	false
bb_resume								Always True	true
hf_v_model	✓							Same as 1st param	/nesi/project/nesi00213/VelocityModel/Mod-1D/Cant1D_v2-midQ_leer.1d
hf_veldir							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzh_u_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/HF/Cant1D_v2-midQ_leer_hfnp2mm+_rvf0p8_sd50_k0p045/Vel
bb_acc_dir							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzh_u_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/BB/Cant1D_v2-midQ_leer_hfnp2mm+_rvf0p8_sd50_k0p045/Acc
bb_veldir							✓		/home/melody.zhu/Albury /Albury_VM_home_melodypzh_u_Albury_Data_VMs_Albury-h0p4_EMODv3p0p4_181128/BB/Cant1D_v2-midQ_leer_hfnp2mm+_rvf0p8_sd50_k0p045/Vel

Verification Related Parameters

	Root	Data	Runs	Faults	Realizations	Calc	Note
empirical version						✓	