

**Pathway 2 MetaData
used in P-2 Setup/Initialization Scripts**

CONTROL

control_defined_eq=	no	basic	complete
control_defined_region=	no	yes	
control_defined_simrequest=	no	yes	
control_defined_3Dmesh=	no	onlyparm	fullfile
control_defined_source=	no	onlyparm	fullfile
control_status_computesim=	notready	ready	successful

EARTHQUAKE

eq_latitude=	
eq_longitude=	
eq_depth_km=	
eq_depth_m=	
eq_Mw=	
eq_strike=	
eq_dip=	
eq_rake=	
eq_UTMeasting=	
eq_UTMnorthing=	
eq_moment=	
eq_moment_basedon_mag=	Mw

VELOCITY MODEL REGION

region_depth_shallow=		
region_depth_deep=		
region_origin_definition=	'lat_long'	'utm'
region_origin_latitude=		
region_origin_longitude=		
region_origin_UTMeasting=		
region_origin_UTMnorthing=		
region_surface_definition=	bydegree	byutm bykm bymeter bynode
region_surface_rotation=	0.0	
region_oppcorner_latitude=		
region_oppcorner_longitude=		
region_oppcorner_UTMeasting=		
region_oppcorner_UTMnorthing=		
region_lengtheast_km=		
region_lengthnorth_km=		
region_lengtheast_m=		
region_lengthnorth_m=		
region_nodes_east=		
region_nodes_north=		
region_nodes_east_del_km=		
region_nodes_north_del_km=		
region_nodes_east_del_m=		
region_nodes_north_del_m=		

VELOCITY MESH (GRIDDED)

mesh_dx=			
mesh_dy=			
mesh_dz=			
mesh_nx=			
mesh_ny=			
mesh_nz=			
mesh_eq_location=	successful		
mesh_ptsrc_ix=			
mesh_ptsrc_jy=			
mesh_ptsrc_kz=			
mesh_poisson=			
mesh_minVs=	(user desires this value)		
mesh_contains_Vpmin=			
mesh_contains_Vpmax=			
mesh_contains_Vsmin=			
mesh_contains_Vsmax=			
mesh_stability=	unchecked	stable	failed
mesh_exists=	no	yes	
mesh_Q=	not_defined	defined	

SOURCE DESCRIPTION

source_risetime=			
source_type=	PT_EXPLOS	PT_DCOUPLE	FAULTPLANE
source_period=			
source_frequency=			
source_wavetype=	SPIKE	GAUSSIAN	EXPON
source_numsamples=		LIZHAO	

SIMULATION REQUEST PARAMETERS

simulation_codetype=	FE	FDuniform	FDirregular
simulation_codeauthor=	Olsen	Graves	CMU'
simulation_codename=	pmel3d		
simulation_indexorder=	xyz	zxy'	
simulation_indexsign_x=	+1 or -1		
simulation_indexsign_y=	+1 or -1	(olsen or graves)	
simulation_indexsign_z=	+1 or -1	(olsen or graves)	
simulation_minVs=			
simulation_poisson=			
simulation_stability_factor=			
simulation_tmax=			
simulation_dt=			
simulation_user_dt=			
simulation_user_grid_dx=			
simulation_user_grid_dy=			
simulation_user_grid_dz=			

simulation_out_type= 4d surface_seismogram
simulation_out_order= xyzt xyt xy

simulation_out_timeskip=
simulation_out_timeincr=

simulation_out_nodeXfirst= (in node points)
simulation_out_nodeXlast=
simulation_out_nodeXskip=
simulation_out_nodeYfirst=
simulation_out_nodeYlast=
simulation_out_nodeYskip=
simulation_out_nodeZfirst=
simulation_out_nodeZlast=
simulation_out_nodeZskip=

simulation_out_meshXfirst= (in meters)
simulation_out_meshXlast=
simulation_out_meshXskip=
simulation_out_meshYfirst=
simulation_out_meshYlast=
simulation_out_meshYskip=
simulation_out_meshZfirst=
simulation_out_meshZlast=
simulation_out_meshZskip=

METADATA UPDATE TIME STAMP: 22Dec03 22:00