NC STATE

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Your comparison from Text Compare!

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Wed, Jul 4, 2018 at 8:09 PM

```
1  WORKFLOW='inversion'    # inversion, migration
2  SOLVER='specfem2d_new'      # specfem2d, specfem3d
3  SYSTEM='tiger_sm_gpu'   # serial, pbs, slurm
4  OPTIMIZE='LBFGS'         # base, newton
5  PREPROCESS='base'       # base
6  POSTPROCESS='base'      # base

7  #SCHEME='NLCG'
8
9  MISFIT='Waveform'
10 MATERIALS='Acoustic'
11 DENSITY='Constant'
12 ATTENUATION='no'
13
14 # WORKFLOW
15 BEGIN=1                 # first iteration
16 END=200
17 NREC=128
18 NSRC=4                  # number of sources
19 SAVEGRADIENT=1        # save gradient how often
20
21
22 # PREPROCESSING
23 FORMAT='su'   # data file format
24 CHANNELS='p'            # data channels
25 NORMALIZE=0             # normalize
26 BANDPASS=0              # bandpass
27 MUTE=0                  # mute direct arrival
28 FREQLO=0.               # low frequency corner
29 FREQHI=0.               # high frequency corner
30
31 MUTECONST=0.            # mute constant
32 MUTESLOPE=0.            # mute slope
33 WITH_MPI= True
34
35 # POSTPROCESSING
36 SMOOTH=0
37 SCALE=6.0e6             # scaling factor
38 RATIO=0.92
39 START=1
40
41 # OPTIMIZATION
42 PRECOND=None            # preconditioner type
43 STEPMAX=15              # maximum trial steps
44 STEPTHRESH=0.1          # step length safeguard
45 STEPINIT=0.05
46
47
48 NT=25000         # number of time steps
49 DT=0.00000002         # time step
50 F0=500000
51
52 # SYSTEM
53 NTASK=4               # must satisfy 1 <= NTASK <= NSRC
```

```
1  WORKFLOW='inversion'    # inversion, migration
2  SOLVER='specfem2d_new'      # specfem2d, specfem3d
3  SYSTEM='multicore'   # serial, pbs, slurm
4  OPTIMIZE='LBFGS'         # base, newton
5  PREPROCESS='base'       # base
6  POSTPROCESS='base'      # base
7  GPU_MODE = False
8  #SCHEME='NLCG'
9
10 MISFIT='Waveform'
11 MATERIALS='Acoustic'
12 DENSITY='Constant'
13
14 # WORKFLOW
15 BEGIN=1                 # first iteration
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42 PRECOND=None            # preconditioner type
43 STEPMAX=15              # maximum trial steps
44 STEPTHRESH=0.1          # step length safeguard
45 STEPINIT=0.05
46
47
48 NT=2100         # number of time steps
49 DT=0.00000002         # time step
50 F0=1000000
51
52 # SYSTEM
53 NTASK=4               # must satisfy 1 <= NTASK <= NSRC
```

	54	NPROC=1 # processors per task
⇵	55	NTASKMAX=4
	56	NPROCMAX=4
⇡	57	NGPU=4
	58	WALLTIME=1000# walltime

	54	NPROC=1 # processors per task
⇵		
	55	NPROCMAX=4
⇡		
	56	WALLTIME=1000000# walltime