

NAME

multithread_mkgrnlib – helper application, wrapper routine for multithreaded mkgrnlib using fork process, limits to 50 stations

SYNOPSIS

multithread_mkgrnlib parfile=(string) executable_pathname=(string) [no]verbose

DESCRIPTION

This is a helper application, wrapper routine for multithreaded mkgrnlib using fork process, limits to 50 stations. mkgrnlib can be run individually but multithread_mkgrnlib allows each station to run simultaneously. See below for input parfile format.

REQUIRED PARAMETERS

parfile=(string)

this is the mkgrnlib.par file. See below for input parfile format.

executable_pathname=(string)

this is the full path to mkgrnlib, use \${MTINV_PATH}/bin/mkgrnlib

OPTIONAL PARAMETERS

[no]verbose

Verbosity output for debugging is *verbose* and for no verbosity output is *noverbose* [default off].

EXAMPLE (see makeglib.csh autogenerated by setupMT)

```
#!/bin/csh
```

```
cat >! wus.par << EOF
velmod=wus
see mkgrnlib for parameters...
EOF
```

```
cat >! asia.par << EOF
velmod=asia
see mkgrnlib for parameters...
EOF
```

```
cat >! mkgrnlib.par << EOF
### sta net loc model.par dt(sec/samp) ### comments
ANMO IU "00" wus.par 0.1 ### comments
XAN IC "" asia.par 0.1 ### comments
EOF
```

```
multithread_mkgrnlib parfile=mkgrnlib.par executable_pathname=${MTINV_PATH}/bin/mkgrnlib
```

```
makepar com="Special Event" date="2021-11-18T02:53:04.00" DataDir=../Data RespDir=../Resp gmt5
sqlite maxsta=8 maxdist=800 lf=0.075 hf=0.15 minsnr=3.0 ctol=0.85 maxshift=10 realtime nolocal *.glib
```

```
end of file makeglib.csh
```

NOTE! Above mkgrnlib.par file has multiple models used (here wus.par and asia.par). Location-code null is empty quotes "".

SEE ALSO

mkgrnlib(1), *setupMT(1)*