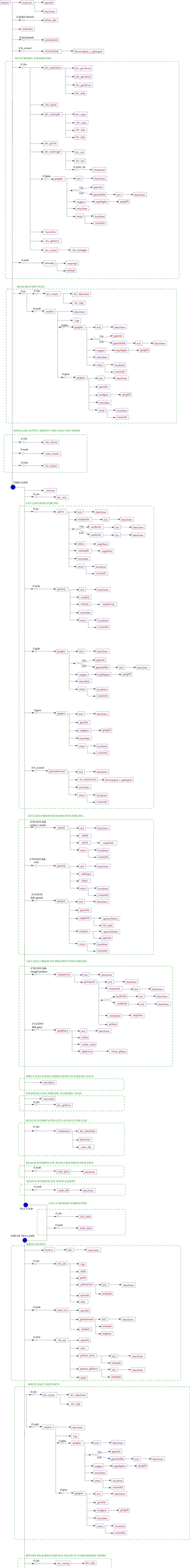
blades
mak.exd
openlile
date2time
if global domain
define_gds
makeriles
if precipitmask
precipmask
if lt_ocimef
ocimefmask
$lscrwa/grid_2_gdasgrid
SETUP MODEL PARAMETERS
if clim
dev_mak3vim
dev_get3dvar
dev_get1dvar
dev_get2dvar
dev_setp_
clm_typini
dev_snadvgrd
dev_setpr
dev_setpr
dev_clip
dev_gdvlm
dev_snadvgrd
dev_vpr
dev_vpr
if zeber_lat
cleiatemal
if lgdas
gmgdas
nck
date2time
3 hr
6 hr
gdasfile
gdasfileffh
nck
date2time
mrgdas
mrgdhgdas
gmgdfl
rmw2date
rmw2date
zerp
location
cosumsh
fnrw2file
dev_getfnrw
dev_clmsio
clm_dynregar
if mash
setmaslp
mapvrap
mfilcpr
READ RESTART FILES
if ic
if clim
dev_nesar
dev_clip
if mash
nudrw
date2time
clip
if gdas
gmgdas
nck
date2time
3 hr
6 hr
gdasfile
gdasfileffh
nck
date2time
mrgdas
mrgdhgdas
gmgdfl
rmw2date
rmw2date
zerp
location
cosumsh
if gnrs
gmgrs
nck
date2time
gnrsfile
mrgrsrs
gmgrfl
rmw2date
rmw2date
zerp
location
cosumsh
INITIALIZE OUTPUT ARRAYS AND ANALYSIS TERMS
if clim
clm_initout
if mash
mash_initout
if wfnr
fnr_initout
TIME LOOP
tcicinte
if clim
dev_nck
GET LDAS BASE FORCING
if rtn
gmtrw
nck
date2time
mmtdatfile
nck
date2time
3 hr
6 hr
mcfbrffile
nck
date2time
mmtdatfile
nck
date2time
mmtrp
mmgtheta
mmtatmph
mmgtdeta
rmw2date
zerp
location
cosumsh
if nwp
gmtwrp
nck
date2time
nwpfile
mmwrp
mmgtdwrp
rmw2date
zerp
location
cosumsh
if gdas
gmgdas
nck
date2time
3 hr
6 hr
gdasfile
gdasfileffh
nck
date2time
mrgdas
mrgdhgdas
gmgdfl
rmw2date
zerp
location
cosumsh
if gnrs
gmgrs
nck
date2time
gnrsfile
mrgrsrs
gmgrfl
rmw2date
zerp
location
cosumsh
if lt_ocimef
gmmadocimef
nck
date2time
ocimefile
rmw2date
zerp
location
cosumsh
GET LDAS OBSERVED RADIATION FORCING
if NLDAS && gdasp1 needs
gmtsol
nck
date2time
radfile
mmtsol
mmgtsol
zerp
location
cosumsh
if NLDAS && wfnr
gmtwrp
nck
date2time
radfilewpr
mmpr
zerp
location
cosumsh
if GLDAS && agmsn
gmgsal
nck
date2time
agmsnfile
mmgldfsal
mmgldfsal
agmsnfileSnlat
fff_land
mmgldfsal
agmsnfileSnlat
agfnrfile
zerp
location
cosumsh
GET LDAS OBSERVED PRECIPITATION FORCING
if NLDAS && gmpcl product
makeprecip
nck
date2time
gmmamsal
nck
date2time
mmfatdrffile
nck
date2time
mcfbrffile
nck
date2time
mmfatdrffile
nck
date2time
mmamsal
mmgtheta
if GLDAS && gscp
gmgdscp
nck
date2time
mmfatdrffile
nck
date2time
mcfbrffile
nck
date2time
mmfatdrffile
nck
date2time
gmtscpr
nck
date2time
mmfatdrffile
mmgtheta
gdbscp
APPLY ELEVATION CORRECTIONS TO FORCING DATA
rprodqcsl
TRANSFER LDAS FORCING TO MODEL TILES
if clim
date2tile
dev_getfcsv
READ IN AVHRR SATELLITE LAI DATA FOR CLM
if clim
cleiatemal
dev_date2time
date2time
zeber_file
READ & INTERPOLATE NOAH GREENNESS FRACTION
if mash
mash_gfrac
date2time
READ & INTERPOLATE NOAH ALBEDO
if mash
mash_alb
date2time
TILE LOOP
CALL CLM MAIN SUBROUTINE
if clim
clm_main
if mash
mash_main
END OF TILE LOOP
PRINT OUTPUT
fnnwrx
nck
date2time
if clim
clm_out
clip
cldd
gdbd
gdbwnclm
nck
date2time
makeprh
openlile
stats
if mash
mash_out
openlile
gdbwnmash
nck
date2time
makeprh
nudrwrt
kingmon
if wfnr
fcr_out
openlile
stats
gdbwr_force
nck
date2time
makeprh
gdbwr_gbldatrf
nck
date2time
makeprh
cldd
WRITE DAILY RESTARTS
if clim
dev_nesarr
dev_date2time
dev_clip
if mash
nudrw
date2time
clip
if gdas
gmgdas
nck
date2time
3 hr
6 hr
gdasfile
gdasfileffh
nck
date2time
mrgdas
mrgdhgdas
gmgdfl
rmw2date
zerp
location
cosumsh
if gnrs
gmgrs
nck
date2time
gnrsfile
mrgrsrs
gmgrfl
rmw2date
zerp
location
cosumsh
RETURN REQUIRED SURFACE FIELDS TO ATMOSPHERIC MODEL
if clm
dev_clm2g
dev_clp
WRITE SPATIALLY AVERAGED BC's and IC's TO FILE FOR USER
if clm
dev_gmd
dev_gdbwr
TIME LOOP