ncl 4> load "$NCARG\_ROOT/lib/ncarg/nclscripts/csm/gsn\_csm.ncl"

ncl 5> load "$NCARG\_ROOT/lib/ncarg/nclscripts/csm/contributed.ncl"

ncl 6> load "$NCARG\_ROOT/lib/ncarg/nclscripts/csm/shea\_util.ncl"

ncl 7> load "$NCARG\_ROOT/lib/ncarg/nclscripts/csm/popRemap.ncl"

ncl 8> load "$NCARG\_ROOT/lib/ncarg/nclscripts/contrib/calendar\_decode2.ncl"

ncl 9> ;\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ncl 10>

ncl 11> begin

ncl 12>

ncl 13> ; read in data

ncl 14>

ncl 15> f=addfile ("nhqhga.pcg7may.nc" , "r");

.swp nhqhga.pdg7MAM.nc nhqhma.pcg7aug.nc

nhqhga.pcg6dec.nc nhqhga.pdg7apr.nc nhqhma.pcg7feb.nc

nhqhga.pcg7apr.nc nhqhga.pdg7aug.nc nhqhma.pcg7jan.nc

nhqhga.pcg7aug.nc nhqhga.pdg7feb.nc nhqhma.pcg7jul.nc

nhqhga.pcg7feb.nc nhqhga.pdg7jan.nc nhqhma.pcg7jun.nc

nhqhga.pcg7jan.nc nhqhga.pdg7jul.nc nhqhma.pcg7mar.nc

nhqhga.pcg7jul.nc nhqhga.pdg7jun.nc nhqhma.pcg7may.nc

nhqhga.pcg7jun.nc nhqhga.pdg7mar.nc nhqhma.pcg7nov.nc

nhqhga.pcg7mar.nc nhqhga.pdg7may.nc nhqhma.pcg7oct.nc

nhqhga.pcg7may.nc nhqhga.pdg7nov.nc nhqhma.pcg7sep.nc

nhqhga.pcg7nov.nc nhqhga.pdg7oct.nc pr\_test.ncl

nhqhga.pcg7oct.nc nhqhga.pdg7sep.nc precip\_OND\_mean.ncl

nhqhga.pcg7sep.nc nhqhma.pcg6dec.nc

nhqhga.pdg6dec.nc nhqhma.pcg7apr.nc

ncl 15> f=addfile ("nhqhga.pcg7may.nc" , "r");

ncl 16>

ncl 17> pr\_mod2 = f->field90

ncl 18> mslp\_mod2 = f->field8

ncl 19> time2 = f->time0

ncl 20> lat2d = f->global\_latitude0 ;0

ncl 21> lon2d = f->global\_longitude0 ;0

ncl 22>

ncl 23> mslp\_mod2!0 = "time"

ncl 24> mslp\_mod2!1 = "surface"

ncl 25> mslp\_mod2!2 = "lat"

ncl 26> mslp\_mod2!3 = "lon"

ncl 27> mslp\_mod2@lat2d = lat2d

ncl 28> mslp\_mod2@lon2d = lon2d

ncl 29>

ncl 30> printVarSummary(pr\_mod2)

ncl 31>

ncl 32> pr\_mod2!0 = "time"

ncl 33> pr\_mod2!1 = "surface"

ncl 34> pr\_mod2!2 = "lat"

ncl 35> pr\_mod2!3 = "lon"

ncl 36> pr\_mod2@lat2d = lat2d

ncl 37> pr\_mod2@lon2d = lon2d

ncl 38>

ncl 39> delete(f)

ncl 40>

ncl 41>

ncl 42> f=addfile ("nhqhga.pcg7jun.nc" , "r");

.swp nhqhga.pdg7MAM.nc nhqhma.pcg7aug.nc

nhqhga.pcg6dec.nc nhqhga.pdg7apr.nc nhqhma.pcg7feb.nc

nhqhga.pcg7apr.nc nhqhga.pdg7aug.nc nhqhma.pcg7jan.nc

nhqhga.pcg7aug.nc nhqhga.pdg7feb.nc nhqhma.pcg7jul.nc

nhqhga.pcg7feb.nc nhqhga.pdg7jan.nc nhqhma.pcg7jun.nc

nhqhga.pcg7jan.nc nhqhga.pdg7jul.nc nhqhma.pcg7mar.nc

nhqhga.pcg7jul.nc nhqhga.pdg7jun.nc nhqhma.pcg7may.nc

nhqhga.pcg7jun.nc nhqhga.pdg7mar.nc nhqhma.pcg7nov.nc

nhqhga.pcg7mar.nc nhqhga.pdg7may.nc nhqhma.pcg7oct.nc

nhqhga.pcg7may.nc nhqhga.pdg7nov.nc nhqhma.pcg7sep.nc

nhqhga.pcg7nov.nc nhqhga.pdg7oct.nc pr\_test.ncl

nhqhga.pcg7oct.nc nhqhga.pdg7sep.nc precip\_OND\_mean.ncl

nhqhga.pcg7sep.nc nhqhma.pcg6dec.nc

nhqhga.pdg6dec.nc nhqhma.pcg7apr.nc

ncl 42> f=addfile ("nhqhga.pcg7jun.nc" , "r");old runs have 30

ncl 43> pr\_mod1 = f->field90

ncl 44> mslp\_mod1 = f->field8

ncl 45> time1 = f->time0

ncl 46> lat2d = f->global\_latitude0 ;0

ncl 47> lon2d = f->global\_longitude0 ;0

ncl 48>

ncl 49> mslp\_mod1!0 = "time"

ncl 50> mslp\_mod1!1 = "surface"

ncl 51> mslp\_mod1!2 = "lat"

ncl 52> mslp\_mod1!3 = "lon"

ncl 53> mslp\_mod1@lat2d = lat2d

ncl 54> mslp\_mod1@lon2d = lon2d

ncl 55>

ncl 56> pr\_mod1!0 = "time"

ncl 57> pr\_mod1!1 = "surface"

ncl 58> pr\_mod1!2 = "lat"

ncl 59> pr\_mod1!3 = "lon"

ncl 60> pr\_mod1@lat2d = lat2d

ncl 61> pr\_mod1@lon2d = lon2d

ncl 62>

ncl 63> delete(f)

ncl 64>

ncl 65> ;put may jun together

ncl 66> pr\_mod = new((/60,1,145,209/),float)

ncl 67> printVarSummary(pr\_mod)

ncl 68>

ncl 69> pr\_mod(0:29,:,:,:) = pr\_mod2

ncl 70> pr\_mod(30:59,:,:,:) = pr\_mod1

ncl 71>

ncl 72> pr\_mod!0 = "time"

ncl 73> pr\_mod!1 = "surface"

ncl 74> pr\_mod!2 = "lat"

ncl 75> pr\_mod!3 = "lon"

ncl 76> pr\_mod@lat2d = lat2d

ncl 77> pr\_mod@lon2d = lon2d

ncl 78>

ncl 79> pr\_mod=pr\_mod\*86400

ncl 80> printVarSummary(pr\_mod)

ncl 81>

ncl 82>

ncl 83> mslp\_mod = new((/60,1,145,209/),float)

ncl 84> printVarSummary(mslp\_mod)

ncl 85>

ncl 86> mslp\_mod(0:29,:,:,:) = mslp\_mod2

ncl 87> mslp\_mod(30:59,:,:,:) = mslp\_mod1

ncl 88>

ncl 89>

ncl 90> mslp\_mod!0 = "time"

ncl 91> mslp\_mod!1 = "surface"

ncl 92> mslp\_mod!2 = "lat"

ncl 93> mslp\_mod!3 = "lon"

ncl 94> mslp\_mod@lat2d = lat2d

ncl 95> mslp\_mod@lon2d = lon2d

ncl 96> printVarSummary(mslp\_mod)

ncl 97>

ncl 98> pr\_mod\_mj = dim\_avg\_n\_Wrap(pr\_mod(15:18,:,:,:),0)

ncl 99>

ncl 100>

ncl 101> mslp\_mod\_mj = dim\_avg\_n\_Wrap(mslp\_mod(15:18,:,:,:),0) ;for the 1967 batch

ncl 102>

ncl 103> printVarSummary(pr\_mod\_mj)

ncl 104> printVarSummary(mslp\_mod\_mj)

ncl 105>

ncl 106> ;calculate how much it rained

ncl 107> pr\_tes = dim\_avg\_n\_Wrap(pr\_mod\_mj(:,50:60,50:60),(/1,2/))

ncl 108>

ncl 109> print(pr\_tes)

ncl 110>

ncl 111>

ncl 112> ;write out netcdf file

ncl 113> a=systemfunc("rm test\_precip.nc") ;

ncl 114> delete(a)

ncl 115> fout = addfile ("test\_precip.nc", "c")

ncl 116> fout->pr\_mod\_mj=pr\_mod\_mj

ncl 117> ;\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ncl 118> ; create plots

ncl 119> ;\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ncl 120>

ncl 121> wks = gsn\_open\_wks("eps","test\_pr")

ncl 122> gsn\_define\_colormap(wks,"precip\_11lev") ; choose colormap

ncl 123> ;gsn\_reverse\_colormap(wks)

ncl 124> res = True

ncl 125> res@cnFillOn = True

ncl 125> res@cnFillOn = True ; turn on color

ncl 126> res@cnLinesOn = False ; turn off contour lines

ncl 127> res@cnLevelSpacingF = 0.10 ; contour interval

ncl 128> res@cnFillDrawOrder = "PreDraw" ; draw contours first

ncl 129> res@lbLabelStride = 3 ; stride on label bar

ncl 130> res@gsnSpreadColors = True ; use full colormap

ncl 131> res@gsnSpreadColorEnd = -3 ; -3 don't use land color

ncl 132> res@gsnAddCyclic = False ; regional data

ncl 133>

ncl 134> res@mpProjection = "LambertConformal"

ncl 135> res@gsnMaskLambertConformal = True

ncl 136> res@mpMaxLatF = 150;max(lat) ; zoom in on region

ncl 137> res@mpMinLatF = 30;min(lat)

ncl 138> res@mpMinLonF = 0;min(lon)

ncl 139> res@mpMaxLonF = 90;max(lon)

ncl 140> res@mpCenterLonF = 10 ; def is zero

ncl 141> res@mpLandFillColor = "Transparent"

ncl 142> res@cnLevelSelectionMode= "ManualLevels"

ncl 143> res@cnMinLevelValF = 1

ncl 144> res@cnMaxLevelValF = 30 ;120

ncl 145> res@cnLevelSpacingF = 5 ;5

ncl 146> res@lbLabelAutoStride = True

ncl 147> pr\_mod@\_FillValue = 0.0

ncl 148> pr\_mod@\_FillValue = -999

ncl 149>

ncl 150> plot\_base = gsn\_csm\_contour\_map(wks,pr\_mod\_mj(0,:,:),res)

ncl 151>

ncl 152>

ncl 153>

ncl 154> wks = gsn\_open\_wks("eps","test\_mslp")

ncl 155> gsn\_define\_colormap(wks,"BlueYellowRed") ; choose colormap

ncl 156> res = True

ncl 157> res@cnFillOn = True

ncl 157> res@cnFillOn = True ; turn on color

ncl 158> res@cnLinesOn = False ; turn off contour lines

ncl 159> res@cnLevelSpacingF = 0.10 ; contour interval

ncl 160> res@cnFillDrawOrder = "PreDraw" ; draw contours first

ncl 161> res@lbLabelStride = 3 ; stride on label bar

ncl 162> res@gsnSpreadColors = True ; use full colormap

ncl 163> res@gsnSpreadColorEnd = -3 ; -3 don't use land color

ncl 164> res@gsnAddCyclic = False

ncl 165> res@mpProjection = "LambertConformal"

ncl 166> res@gsnMaskLambertConformal = True

ncl 167> res@mpMaxLatF = 150;max(lat) ; zoom in on region

ncl 168> res@mpMinLatF = 30;min(lat)

ncl 169> res@mpMinLonF = 0;min(lon)

ncl 170> res@mpMaxLonF = 90;max(lon)

ncl 171> res@mpCenterLonF = 10 ; def is zero

ncl 172> res@mpLandFillColor = "Transparent"

ncl 173> res@cnLevelSelectionMode= "ManualLevels"

ncl 174> res@cnMinLevelValF = 100000

ncl 175> res@cnMaxLevelValF = 102000

ncl 176> res@cnLevelSpacingF = 100

ncl 177> res@lbLabelAutoStride = True

ncl 178> ;res@tiMainString = ""+mods(iFile)+"" ; add title

ncl 179> mslp\_mod@\_FillValue = 0.0

ncl 180> mslp\_mod@\_FillValue = -999

ncl 181> plot = gsn\_csm\_contour\_map(wks,mslp\_mod\_mj(0,:,:),res)

ncl 182>

ncl 183> end

Variable: pr\_mod2

Type: float

Total Size: 122056 bytes

30514 values

Number of Dimensions: 4

Dimensions and sizes: [time0 | 1] x [z0 | 1] x [latitude0 | 146] x [longitude0 | 209]

Coordinates:

time0: [2685..2685]

z0: [ 0.. 0]

latitude0: [38.72..-25.08]

longitude0: [-35.64001..55.87997]

Number Of Attributes: 10

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole0

coordinates : global\_longitude0 global\_latitude0

stash\_item : 216

stash\_section : 5

units : kg m-2 s-1

standard\_name : total\_precipitation\_rate

description : TOTAL PRECIPITATION RATE KG/M2/S

cell\_method : time: mean

sampling\_frequency : 1 hours

Variable: pr\_mod

Type: float

Total Size: 7273200 bytes

1818300 values

Number of Dimensions: 4

Dimensions and sizes: [60] x [1] x [145] x [209]

Coordinates:

Number Of Attributes: 1

\_FillValue : 9.96921e+36

fatal:Dimension size mismatch on subscript #0, left-hand and right-hand side dimensions do not match

fatal:Execute: Error occurred at or near line 69

**ncl 2> a = addfile("nhqhga.pdg7may.nc","r")**

**ncl 3> print (a)**

Variable: a

Type: file

filename: nhqhga.pdg7may

path: nhqhga.pdg7may.nc

file global attributes:

Conventions : CF-1.3

dimensions:

ncl\_scalar = 1

time0 = 30 // unlimited

z0 = 1

z1 = 1

z2 = 1

z3 = 1

latitude0 = 145

longitude0 = 209

latitude1 = 146

longitude1 = 209

variables:

float time0 ( time0 )

standard\_name : time

axis : T

calendar : 360\_day

units : days since 1959-12-01 00:00:00

meaning\_period : 24 hours

float z0 ( z0 )

axis : Z

standard\_name : air\_pressure

units : hPa

direction : down

float z1 ( z1 )

axis : Z

standard\_name : height

units : m

direction : up

float z2 ( z2 )

axis : Z

standard\_name : height

units : m

direction : up

float z3 ( z3 )

axis : Z

standard\_name : height

units : m

direction : up

float latitude0 ( latitude0 )

standard\_name : grid\_latitude

units : degrees

axis : Y

float longitude0 ( longitude0 )

standard\_name : grid\_longitude

units : degrees

axis : X

float global\_latitude0 ( latitude0, longitude0 )

long\_name : latitude

units : degrees\_north

float global\_longitude0 ( latitude0, longitude0 )

long\_name : longitude

units : degrees\_east

character rotated\_pole0 ( ncl\_scalar )

grid\_mapping\_name : rotated\_latitude\_longitude

grid\_north\_pole\_latitude : 79.95

grid\_north\_pole\_longitude : 236.68

float latitude1 ( latitude1 )

standard\_name : grid\_latitude

units : degrees

axis : Y

float longitude1 ( longitude1 )

standard\_name : grid\_longitude

units : degrees

axis : X

float global\_latitude1 ( latitude1, longitude1 )

long\_name : latitude

units : degrees\_north

float global\_longitude1 ( latitude1, longitude1 )

long\_name : longitude

units : degrees\_east

character rotated\_pole1 ( ncl\_scalar )

grid\_mapping\_name : rotated\_latitude\_longitude

grid\_north\_pole\_latitude : 79.95

grid\_north\_pole\_longitude : 236.68

float field40 ( time0, z0, latitude0, longitude0 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole0

coordinates : global\_longitude0 global\_latitude0

stash\_item : 202

stash\_section : 12

units : Pa s-1

standard\_name : lagrangian\_tendency\_of\_air\_pressure

description : OMEGA ON PRESSURE LEVELS

cell\_method : time: mean

sampling\_frequency : 1 hours

float field203 ( time0, z1, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 235

stash\_section : 1

units : W m-2

standard\_name : total\_down\_surface\_sw\_flux

description : TOTAL DOWNWARD SURFACE SW FLUX

cell\_method : time: mean

sampling\_frequency : 3 hours

float field205 ( time0, z1, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 207

stash\_section : 2

units : W m-2

standard\_name : total\_downward\_surface\_lw\_flux

description : DOWNWARD LW RAD FLUX: SURFACE

cell\_method : time: mean

sampling\_frequency : 3 hours

float field48 ( time0, z2, latitude0, longitude0 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole0

coordinates : global\_longitude0 global\_latitude0

stash\_item : 225

stash\_section : 3

units : m s-1

standard\_name : 10m\_wind\_u-comp

description : 10 METRE WIND U-COMP B GRID

cell\_method : time: mean

sampling\_frequency : 1 hours

float field49 ( time0, z2, latitude0, longitude0 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole0

coordinates : global\_longitude0 global\_latitude0

stash\_item : 226

stash\_section : 3

units : m s-1

standard\_name : 10m\_wind\_v-comp

description : 10 METRE WIND V-COMP B GRID

cell\_method : time: mean

sampling\_frequency : 1 hours

float field16 ( time0, z2, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 236

stash\_section : 3

units : K

standard\_name : temperature\_at\_1-5m

description : TEMPERATURE AT 1.5M

cell\_method : time: maximum

sampling\_frequency : 1 hours

float field16\_1 ( time0, z2, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 236

stash\_section : 3

units : K

standard\_name : temperature\_at\_1-5m

description : TEMPERATURE AT 1.5M

cell\_method : time: minimum

sampling\_frequency : 1 hours

float field95 ( time0, z2, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 237

stash\_section : 3

units : 1

standard\_name : specific\_humidity\_at\_1-5m

description : SPECIFIC HUMIDITY AT 1.5M

cell\_method : time: mean

sampling\_frequency : 1 hours

float field90 ( time0, z1, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 216

stash\_section : 5

units : kg m-2 s-1

standard\_name : total\_precipitation\_rate

description : TOTAL PRECIPITATION RATE KG/M2/S

cell\_method : time: mean

sampling\_frequency : 1 hours

float field8 ( time0, z3, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 222

stash\_section : 16

units : Pa

standard\_name : pmsl

description : PRESSURE AT MEAN SEA LEVEL

cell\_method : time: mean

sampling\_frequency : 1 hours

float field93 ( time0, z1, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 23

stash\_section : 0

units : kg/m2

standard\_name : snowfall\_amount

description : SNOW AMOUNT AFTER TIMESTEP KG/M2

cell\_method : time: mean

sampling\_frequency : 1 hours

**ncl 4> a = addfile("nhqhga.pdg7jun.nc","r")**

**ncl 5> print(a)**

Variable: a

Type: file

filename: nhqhga.pdg7jun

path: nhqhga.pdg7jun.nc

file global attributes:

Conventions : CF-1.3

dimensions:

ncl\_scalar = 1

time0 = 30 // unlimited

z0 = 1

z1 = 1

z2 = 1

z3 = 1

latitude0 = 145

longitude0 = 209

latitude1 = 146

longitude1 = 209

variables:

float time0 ( time0 )

standard\_name : time

axis : T

calendar : 360\_day

units : days since 1959-12-01 00:00:00

meaning\_period : 24 hours

float z0 ( z0 )

axis : Z

standard\_name : air\_pressure

units : hPa

direction : down

float z1 ( z1 )

axis : Z

standard\_name : height

units : m

direction : up

float z2 ( z2 )

axis : Z

standard\_name : height

units : m

direction : up

float z3 ( z3 )

axis : Z

standard\_name : height

units : m

direction : up

float latitude0 ( latitude0 )

standard\_name : grid\_latitude

units : degrees

axis : Y

float longitude0 ( longitude0 )

standard\_name : grid\_longitude

units : degrees

axis : X

float global\_latitude0 ( latitude0, longitude0 )

long\_name : latitude

units : degrees\_north

float global\_longitude0 ( latitude0, longitude0 )

long\_name : longitude

units : degrees\_east

character rotated\_pole0 ( ncl\_scalar )

grid\_mapping\_name : rotated\_latitude\_longitude

grid\_north\_pole\_latitude : 79.95

grid\_north\_pole\_longitude : 236.68

float latitude1 ( latitude1 )

standard\_name : grid\_latitude

units : degrees

axis : Y

float longitude1 ( longitude1 )

standard\_name : grid\_longitude

units : degrees

axis : X

float global\_latitude1 ( latitude1, longitude1 )

long\_name : latitude

units : degrees\_north

float global\_longitude1 ( latitude1, longitude1 )

long\_name : longitude

units : degrees\_east

character rotated\_pole1 ( ncl\_scalar )

grid\_mapping\_name : rotated\_latitude\_longitude

grid\_north\_pole\_latitude : 79.95

grid\_north\_pole\_longitude : 236.68

float field40 ( time0, z0, latitude0, longitude0 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole0

coordinates : global\_longitude0 global\_latitude0

stash\_item : 202

stash\_section : 12

units : Pa s-1

standard\_name : lagrangian\_tendency\_of\_air\_pressure

description : OMEGA ON PRESSURE LEVELS

cell\_method : time: mean

sampling\_frequency : 1 hours

float field203 ( time0, z1, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 235

stash\_section : 1

units : W m-2

standard\_name : total\_down\_surface\_sw\_flux

description : TOTAL DOWNWARD SURFACE SW FLUX

cell\_method : time: mean

sampling\_frequency : 3 hours

float field205 ( time0, z1, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 207

stash\_section : 2

units : W m-2

standard\_name : total\_downward\_surface\_lw\_flux

description : DOWNWARD LW RAD FLUX: SURFACE

cell\_method : time: mean

sampling\_frequency : 3 hours

float field48 ( time0, z2, latitude0, longitude0 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole0

coordinates : global\_longitude0 global\_latitude0

stash\_item : 225

stash\_section : 3

units : m s-1

standard\_name : 10m\_wind\_u-comp

description : 10 METRE WIND U-COMP B GRID

cell\_method : time: mean

sampling\_frequency : 1 hours

float field49 ( time0, z2, latitude0, longitude0 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole0

coordinates : global\_longitude0 global\_latitude0

stash\_item : 226

stash\_section : 3

units : m s-1

standard\_name : 10m\_wind\_v-comp

description : 10 METRE WIND V-COMP B GRID

cell\_method : time: mean

sampling\_frequency : 1 hours

float field16 ( time0, z2, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 236

stash\_section : 3

units : K

standard\_name : temperature\_at\_1-5m

description : TEMPERATURE AT 1.5M

cell\_method : time: maximum

sampling\_frequency : 1 hours

float field16\_1 ( time0, z2, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 236

stash\_section : 3

units : K

standard\_name : temperature\_at\_1-5m

description : TEMPERATURE AT 1.5M

cell\_method : time: minimum

sampling\_frequency : 1 hours

float field95 ( time0, z2, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 237

stash\_section : 3

units : 1

standard\_name : specific\_humidity\_at\_1-5m

description : SPECIFIC HUMIDITY AT 1.5M

cell\_method : time: mean

sampling\_frequency : 1 hours

float field90 ( time0, z1, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 216

stash\_section : 5

units : kg m-2 s-1

standard\_name : total\_precipitation\_rate

description : TOTAL PRECIPITATION RATE KG/M2/S

cell\_method : time: mean

sampling\_frequency : 1 hours

float field8 ( time0, z3, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 222

stash\_section : 16

units : Pa

standard\_name : pmsl

description : PRESSURE AT MEAN SEA LEVEL

cell\_method : time: mean

sampling\_frequency : 1 hours

float field93 ( time0, z1, latitude1, longitude1 )

\_FillValue : -1.073742e+09

grid\_mapping : rotated\_pole1

coordinates : global\_longitude1 global\_latitude1

stash\_item : 23

stash\_section : 0

units : kg/m2

standard\_name : snowfall\_amount

description : SNOW AMOUNT AFTER TIMESTEP KG/M2

cell\_method : time: mean

sampling\_frequency : 1 hours