1. NCL Script is as below:

begin

    a = addfile("/SPL3FTP.003\_FT2015.nc", "r")

    b = addfile("/20180101.nc", "r")

    le1 = a->Freeze\_Thaw\_Retrieval\_Data\_Global\_freeze\_thaw(:,::-1,:,:)

    le  = le1(time|:, FakeDim2|:, lat|:, lon|:)

    printVarSummary(le)

    printMinMax(le, 1)

    lat = b->lat

    lon = b->lon

    lon!0             = "lon"

    lon@long\_name     = "longitude"

    lon@units         = "degrees\_east"

    lon&lon           = lon

    lat!0             = "lat"

    lat@long\_name     = "latitude"

    lat@units         = "degrees\_north"

    lat&lat           = lat

    flh = linint2\_Wrap(le&lon, le&lat, le, False, lon, lat,0)

    printVarSummary(flh)

    printMinMax(flh, 1)

    flh@unit = "cm3/cm3"

    flh@long\_name = "Freeze-thaw"

    time = ispan(0,dimsizes(le(:,0,0,0))-1, 1 )

    time@units = "days since 2015-01-01"

    flh!0    = "time"

    flh&time = time

    FakeDim2 = (/0,1/)

    flh!1   = "FakeDim2"

    flh&FakeDim2    = FakeDim2

    flh!2   = "lat"

    flh&lat = lat

    flh!3   = "lon"

    flh&lon = lon

    dimNames  =  (/"time","FakeDim2","lat","lon"/)

    dimSizes  =  (/dimsizes(flh(:,0,0,0)),dimsizes(FakeDim2),dimsizes(lat),dimsizes(lon)/)

    dimUnlim  =  (/False,False,False,False/)

    diroutt = "./"

    filoutt = "sm\_2015\_ft\_regridded.nc"

    system("rm -f "+diroutt+filoutt)

    foutt= addfile(diroutt+filoutt,"c")

    setfileoption(foutt,"DefineMode",True)

    filedimdef(foutt,dimNames,dimSizes,dimUnlim)

    foutt->lat  = lat

    foutt->lon  = lon

    foutt->freezethaw  = flh

 end

1. Script works and the following is the print summary of variable:

Text

Description automatically generated

1. The problem is that result of the output freeze thaw variable is not binary:

A screenshot of a computer

Description automatically generated with medium confidence