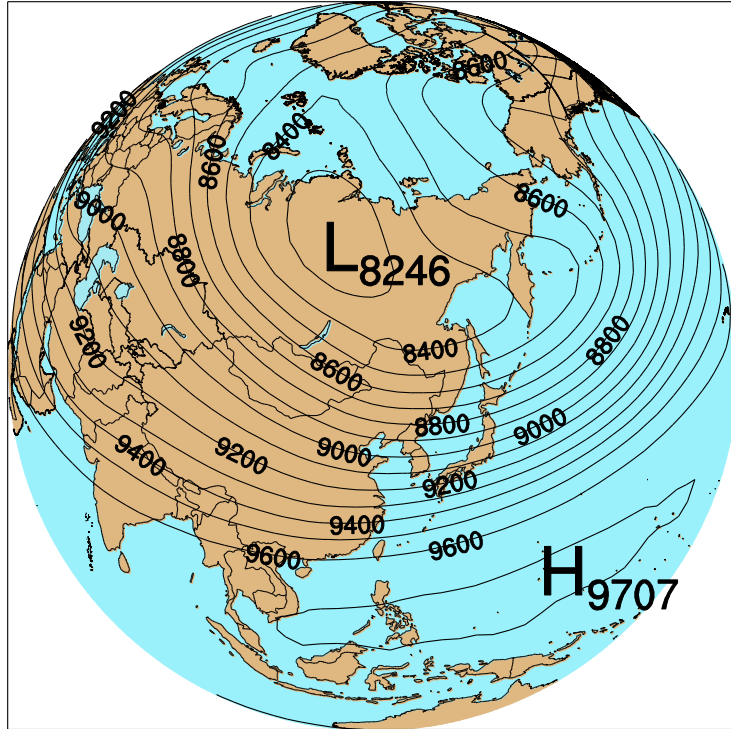


# NCL 绘图示例（五）：卫星投影图

施宁

（南京信息工程大学 大气科学学院）



```
begin
  ;;;读取数据
  f = addfile("./h300-197901-201412.nc", "r")
  var := short2flt(f->hgt(0,{300},:,:))

  wks = gsn_open_wks("eps","plot-hgt-Satellite")
  gsn_define_colormap(wks,"amwg256")

  res=True
  res@gsnDraw = False
  res@gsnFrame = False
  res@gsnAddCyclic = True
  ;res@gsnMaximize = True
  res@gsnLeftString = ""
  res@gsnRightString = ""

  res@mpProjection = "Satellite"; 投影类型
  res@mpCenterLonF = 120.0 ; 图形中心经度及
  res@mpCenterLatF = 50. ; 纬度
end
```

```

res@mpFillOn                = True                ; color continents
res@mpOceanFillColor        = 108                ; 海洋
res@mpInlandWaterFillColor = 100                ; 内陆湖泊
res@mpLandFillColor         = 147                ; 陆地
res@mpOutlineOn             = True                ; turn on continental outlines
res@mpOutlineBoundarySets   = "AllBoundaries";"Geophysical"; 边界线。其他
较常用的为“National”或“AllBoundaries”

;; 设置等值线
res@cnFillOn = False
res@cnInfoLabelOn = False

; 低值中心用“L”标记
res@cnLowLabelsOn           = True                ; turn on L labels
res@cnLowLabelFontHeightF   = 0.04              ; change L font
res@cnLowLabelBackgroundColor = -1
; 高值中心用“H”标记
res@cnHighLabelsOn          = True                ; turn on L labels
res@cnHighLabelFontHeightF  = 0.04              ; change L font
res@cnHighLabelBackgroundColor = -1

plot = gsn_csm_contour_map(wks,var,res)

draw(plot)
frame(wks)
end

```