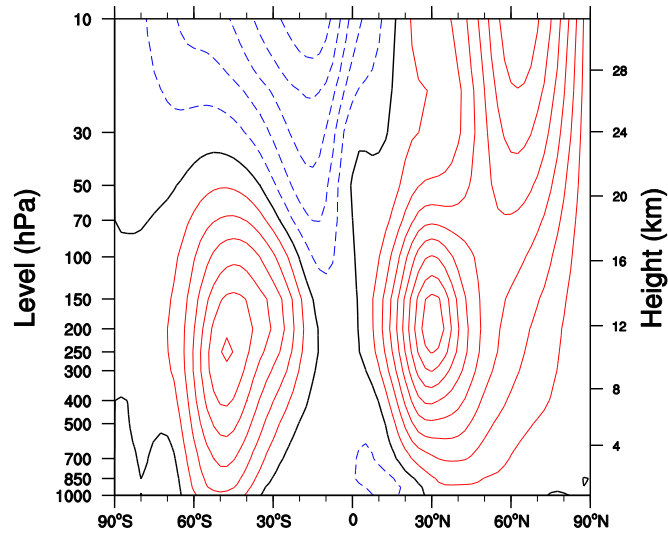


NCL 绘图示例（九）：垂直剖面图



垂直剖面图示意图

```

begin

;;;read air data
f   = addfile("uwnd.cli.mean.nc", "r")
var = f->uwnd
var_zm = dim_avg_n_Wrap(var, 3) ;纬向平均

; ;**plot*****
wks   = gsn_open_wks ("eps", "plot-cross-section")
gsn_define_colormap(wks,"rainbow+gray")

res                                       = True
res@gsnDraw                             = False
res@gsnFrame                            = False
res@gsnLeftString                       = ""
res@gsnRightString                      = ""

res@tmXBMode                            = "Explicit"
res@tmXBValues                          = (/ -90, -60, -30, 0, 30, 60, 90 /)
res@tmXBLabels                          =
(/ "90~S~o~N~S", "60~S~o~N~S", "30~S~o~N~S", "0", "30~S~o~N~N", "60~S~o~N~N", "90~S~o~N~N" /)
res@tmXBLLabelFontHeightF               = 0.015
res@tmYLLLabelFontHeightF               = 0.015
    
```

```

res@tiYAxisString = "Level (hPa)"

res@cnFillOn      = False
res@cnLinesOn    = True
res@cnLineLabelsOn = False
res@cnLevelSpacingF = 0.05
res@gsnContourZeroLineThicknessF = 2. ;0 值用 2 倍粗细线
res@cnInfoLabelOn = False

res@lbLabelBarOn = False

base=gsn_csm_pres_hgt(wks,var_zm(0,::),res) ;1 月的纬向平均 u
base = ColorNegDashZeroPosContour(base,"blue","black","red") ;小于 0 用蓝色虚线，大于 0 用红色实线，0 值用黑线

draw(base)
frame(wks)
end

```