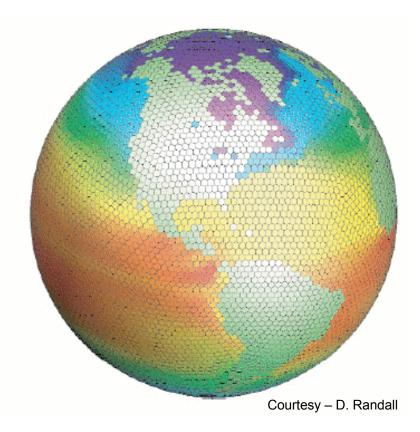
### NOAA/ESRL

# Status on Development of <br/>Flow-following FVFlow-following FVIcosahedralModelJin-luen Lee – Technical lead

Sandy MacDonald Rainer Bleck Jian-wen Bao Jacques Middlecoff Ning Stan Benjamin John

Ning Wang John Brown



### FIM

- Contribution toward future NOAA global modeling system
- Developed at ESRL, collaboration so far with GFDL, EMC



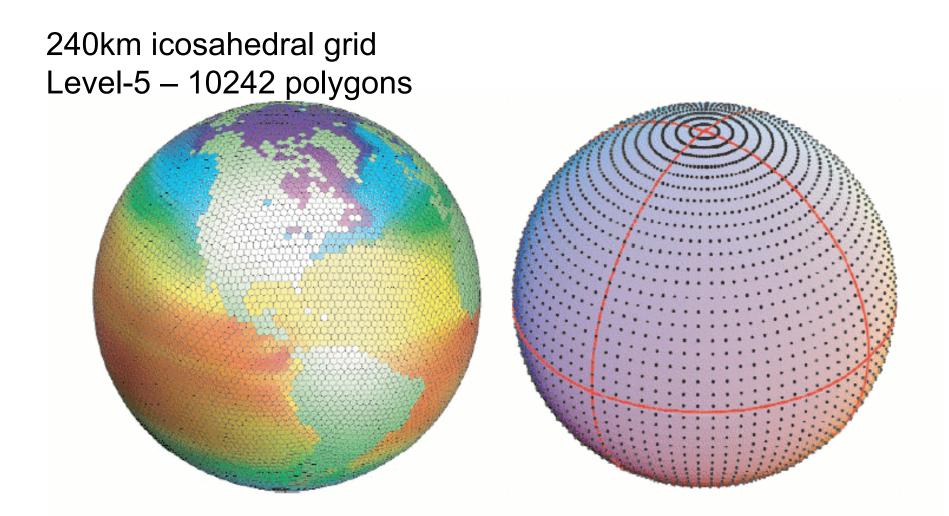
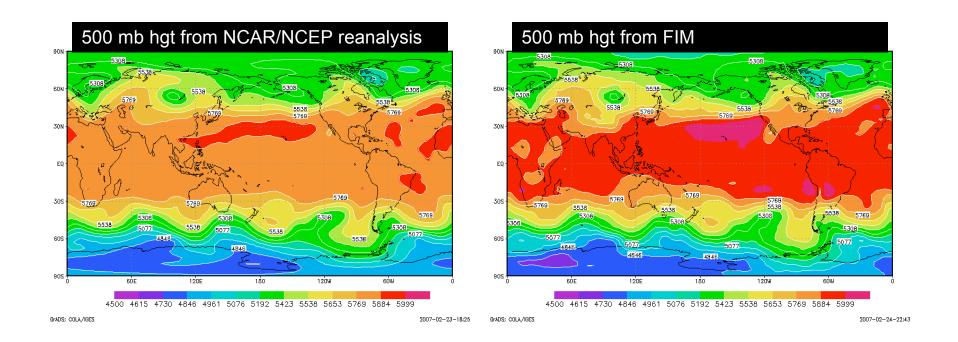


Figure 1. An example of a geodesic grid with a color-coded plot of the observed sea-surface temperature distribution. The continents are

Figure 2. An example of a latitude–longitude grid. A pole is at the top. The black dots represent grid cell centers that are equally spaced in longitude

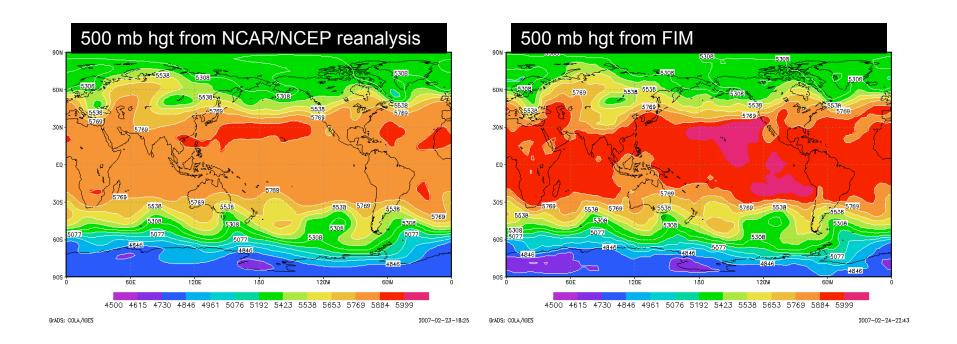
**Diagrams - Randall et al. – Colorado State University** http://kiwi.atmos.colostate.edu/DOE\_Cooperative\_Agreement/pdf/CISE.pdf

### Initial time: 00z,10/09/2003



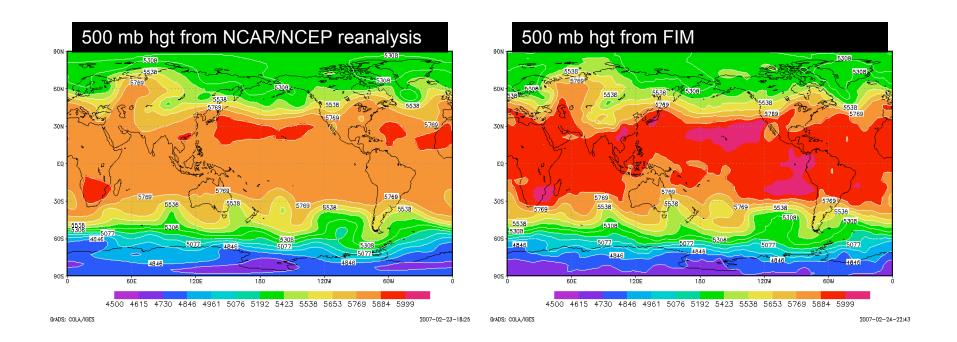
#### ReAnalysis data

# 1-day fcst @ 00z,10/10/2003



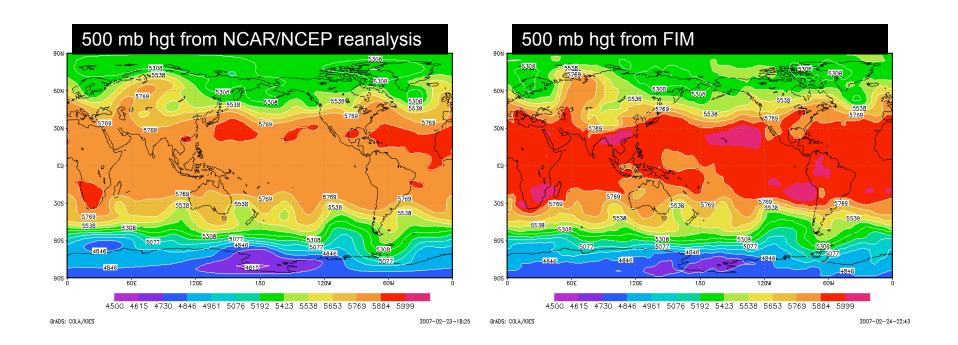
#### ReAnalysis data

# 2-day fcst @ 00z,10/11/2003



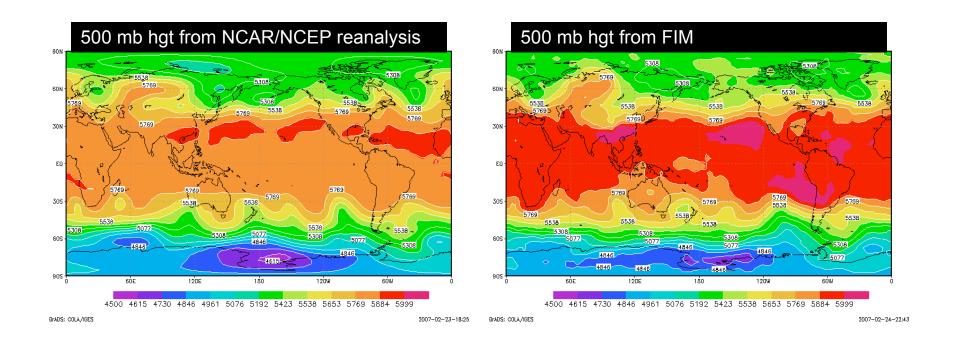
#### ReAnalysis data

# 3-day fcst @ 00z,10/12/2003



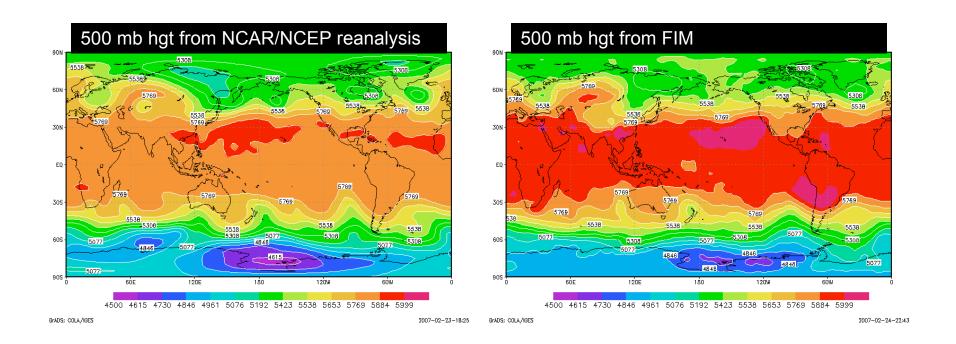
#### ReAnalysis data

# 4-day fcst @ 00z,10/13/2003



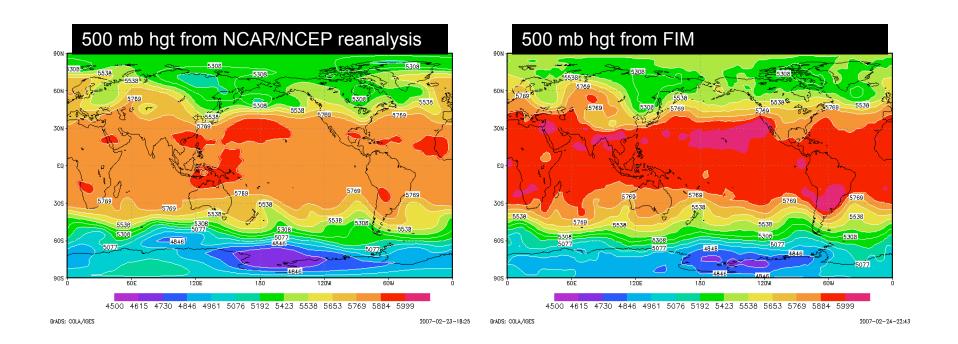
#### ReAnalysis data

### 5-day fcst @ 00z,10/14/2003



#### ReAnalysis data

# 6-day fcst @ 00z,10/15/2003



#### ReAnalysis data