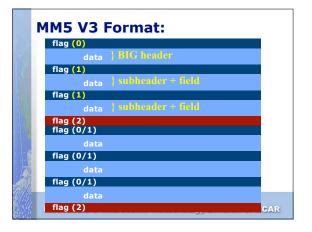
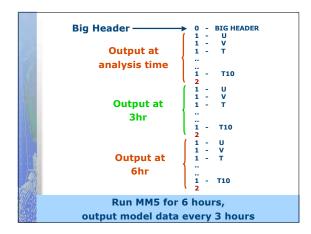
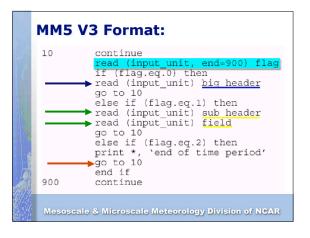


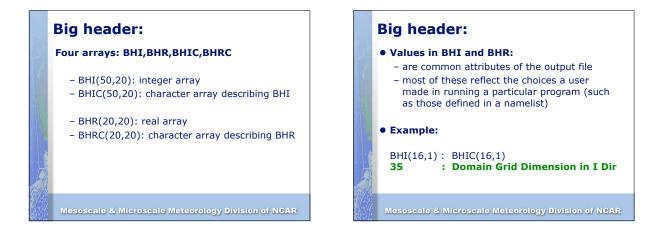
MM5 V3 Format:		
	flag (0/1)	
12	data	
Va -	flag (0/1)	
	data	
	flag (0/1)	
	data	
13.1	flag (2)	
1100	flag (0/1)	
1.	data	
	flag (0/1)	
	data	
	flag (0/1)	
	data	
	flag (2)	CAR

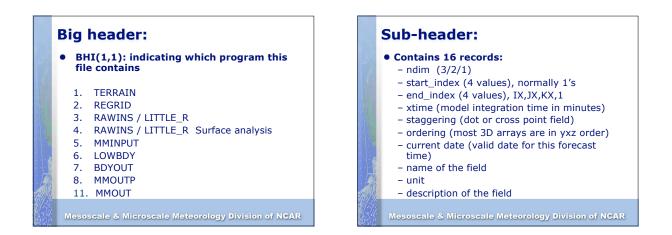


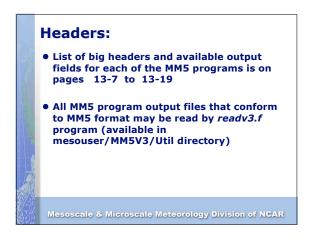


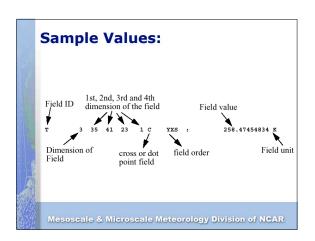


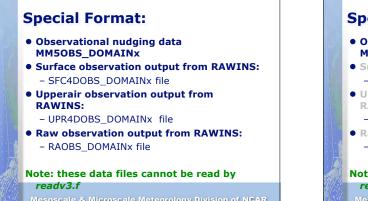
## NCAR/MMM











## **Special Format:** • Observational nudging data MM50BS\_DOMAINx • Surface observation output from RAWINS: - SFC4DOBS\_DOMAINx file • Upperair observation output from **RAWINS:** - UPR4DOBS\_DOMAINx file • Raw observation output from RAWINS: - RAOBS\_DOMAINx file Note: these data files cannot be read by readv3.f

## MM50BS\_DOMAINx

WRITE (13) TIMEOB,RIO,RJO,RKO,(VAROBS(IVAR),IVAR=1,5)

- TIMEOB: Julian date in dddhh.
- Example: 16623.5 Julian day 166 and hour 2330 UTC • RIO: y-location - I dot-point location on coarse mesh
- (may be a fraction of a grid) RJO: x-location - J dot-point location on coarse mesh
- (may be a fraction of a grid) • RKO: z-location - K half-σ level (must be on half σ levels)
- IVAR(1): u wind in m/sec rotated to model grid
- IVAR(2): v wind in m/sec rotated to model grid
- IVAR(3): temperature in Kelvin
- IVAR(4): water vapor mixing ratio in kg/kg
- IVAR(5): Pstar in mb (only used in hydrostatic model set to 99999)

## MM50BS\_DOMAINx

- Coordinate specifications of the file are ALL with respect to the coarse grid
- Model will do interpolation to nest locations
- MM50BS\_DOMAIN1 and MM50BS\_DOMAIN2
  - identical
  - except if one have high resolution data you want to exclude from domain1



