

netCDF files	
 self describing (ideally) all info contained within file no external information needed to determine file contents portable [machine independent] 	
Software [source Unidata] – designed for generality, not high performance	
 parallel reads are possible; no parallel writes [version 3.6] 	
 variable model: simple array oriented 	
 (may) have descriptive info [meta data] 	
 limited data structures 	
 no ragged arrays; no record/nested structures 	
– only one "unlimited" (record) dimension [version 3.6]	













The slides that follow are

• For NCL class

Detailed Look netCDF Variable (ncl)		
ncl <return> ncl 0 > f = addfile ("UV300.nc", "r") ncl 1 > u = f->U ncl 2 > printVarSummary (u)</return>	; interactive mode ; open file ; import STRUCTURE ; overview of variable	
Variable: u Type: float Total Size: 65536 bytes 16384 values	Classic netCDF Variable Model	
Number of Dimensions: 3 Dimensions and Sizes: [time 2] x [lat Coordinates: time: [1 7] lat: [-87.8638 87.8638] lon: [0 357.185] Number of Attributes: 5 _FillValue : 1e36 units : m/s long_name : Zonal Wind Comp short_name : U missing_value : 1e36	64] x [lon 128]NCL syntax/funcs query use modify addoonentany aspect of data object	



