**Proposed domains**

LL = lower left; UR = upper right

***North Central River Forecast Center***

LL: 37 N 106 W

UR: 54 N 81 W

***Alaska Pacific River Forecast Center***

LL: 54 N 169 W

UR: 72 N 129 W

**Cylindrical equidistant**

Here is a sample header from a netCDF3 file containing a cylindrical equidistant projection:

dimensions:

 y = 600 ;

 x = 1600 ;

variables:

 double validTime ;

 validTime:units = "Seconds since 1970-1-1 00:00:00.00 0:00" ;

 byte image(y, x) ;

 image:long\_name = "river\_flooding" ;

 image:units = "none" ;

// global attributes:

 :depictorName = "something" ;

 :projName = "CYLINDRICAL\_EQUIDISTANT" ;

 :projIndex = 8 ;

 :lat00 = 17.f ;

 :lon00 = -131.f ;

 :latNxNy = 52.f ;

 :lonNxNy = -64.f ;

 :centralLat = 0.f ;

 :centralLon = -97.5f ;

 :latDxDy = 34.7f ;

 :lonDxDy = -97.5f ;

 :dyKm = 7.f ;

 :dxKm = 7.f ;

 :rotation = 0.f ;

 :xMin = 0.f ;

 :xMax = 0.f ;

 :yMin = 0.f ;

 :yMax = 0.f ;

The header will also need these global attributes to ensure AWIPS II compliance:

 :source = "SSEC" ;

 :satelliteName = "VIIRS" ;

 :channel = "River Flooding" ;

Information necessary for completing the header:

* Grid dimensions (x and y)
* Final corner points (if any slight adjustments)
* Grid spacing at some coordinate internal to grid (spacing need not be symmetric)
	+ Latitude, longitude, dx spacing, dy spacing