```
 1  ncdisp('RU_5MHz_2016_10_25_0400.totals.nc');
 2  Source:
 3              /Users/hroarty/data/totals/RU_5MHz_2016_10_25_0400.totals.nc
 4  Format:
 5              netcdf4_classic
 6  Global Attributes:
 7              header                = '%TimeStamp: 2016 10 25 04 00
 8                                      %TimeZone: GMT+0.000
 9                                      %Domain: MARA
10                                      %Type: OI
11                                      %DataCreationInfo: Rutgers/MARACOOS Domain
12                                      %DataCreationTimeStamp: 25-Oct-2016 11:20:
13                                      %DataCreationTimeZone: GMT
14                                      %ProcessingProgram: TUVstruct2ascii_OI 25-
15                                      %TUV_structVersion: SVN $Rev: 396 $ $Date:
16                                      %MinNumSites:    2
17                                      %MinNumRads:    3
18                                      %mdlvar: 420.00
19                                      %errvar:  66.00
20                                      %sx:  10.00
21                                      %sy:  25.00
22                                      %tempthresh: 0.020833
23                                      %Longitude  Latitude  U comp  V comp    Ue
24                                      % (deg)       (deg)    (cm/s)  (cm/s)  (norm
25                                      '
26              Conventions           = 'CF 1.6'
27              creation_date         = 'Tue Oct 25 11:21:18 2016 EDT'
28              creator_name          = 'Michael Smith'
29              creator_email         = 'michaesm@marine.rutgers.edu'
30              institution           = 'Coastal Ocean Observation Lab, Institute
31              id                    = 'RU_5MHz_2016_10_25_0400'
32              naming_authority      = 'edu.rutgers.marine.rucool'
33              title                 = 'MARACOOS 5MHz Sea Surface Currents'
34              summary               = 'Optimally Interpolated Total Vectors calc
35              keywords              = 'codar, totals, vectors, currents, optimal
36              geospatial_lat_min    = 33.5488
37              geospatial_lat_max    = 43.4738
38              geospatial_lat_units  = 'degrees_north'
39              geospatial_lon_min    = -76.9768
40              geospatial_lon_max    = -68.0332
41              geospatial_lon_units  = 'degrees_east'
42              history               = 'Hourly codar radial data combined into on
43              source                = 'surface observation'
44  Dimensions:
```

```
45              lon  = 155
46              lat  = 185
47              time = 1      (UNLIMITED)
48 Variables:
49    time
50              Size:      1x1
51              Dimensions: time
52              Datatype:   double
53              Attributes:
54                      longname = 'Time'
55                      calendar = 'gregorian'
56                      units    = 'days since 2001-01-01 00:00:00'
57    lon
58              Size:      155x1
59              Dimensions: lon
60              Datatype:   single
61              Attributes:
62                      _FillValue = -999
63                      longname   = 'Longitude'
64                      shortname  = 'lon'
65                      units      = 'degrees_east'
66    lat
67              Size:      185x1
68              Dimensions: lat
69              Datatype:   single
70              Attributes:
71                      _FillValue = -999
72                      longname   = 'Latitude'
73                      shortname  = 'lat'
74                      units      = 'degrees_north'
75    u
76              Size:      155x185x1
77              Dimensions: lon,lat,time
78              Datatype:   single
79              Attributes:
80                      _FillValue    = -999
81                      longname      = 'Eastward Velocity'
82                      standard_name = 'surface_eastward_sea_water_velocity'
83                      shortname     = 'u'
84                      units         = 'cm/s'
85    v
86              Size:      155x185x1
87              Dimensions: lon,lat,time
88              Datatype:   single
```

```
 89              Attributes:
 90                            _FillValue    = −999
 91                            longname      = 'Northward Velocity'
 92                            standard_name = 'surface_northward_sea_water_velocity
 93                            shortname     = 'v'
 94                            units         = 'cm/s'
 95      u_err
 96              Size:       155x185x1
 97              Dimensions: lon,lat,time
 98              Datatype:   single
 99              Attributes:
100                            _FillValue = −999
101      v_err
102              Size:       155x185x1
103              Dimensions: lon,lat,time
104              Datatype:   single
105              Attributes:
106                            _FillValue = −999
107      num_radials
108              Size:       155x185x1
109              Dimensions: lon,lat,time
110              Datatype:   int32
111              Attributes:
112                            _FillValue = −999
113      site_code
114              Size:       155x185x1
115              Dimensions: lon,lat,time
116              Datatype:   int32
117              Attributes:
118                            _FillValue = −999
```