

```

1 Source:
2       http://tds.marine.rutgers.edu:8080/thredds/dodsC/cool/codar/totals
3 Format:
4       64bit
5 Global Attributes:
6       header = '%TimeZone: GMT+0.000
7               %Domain: MARA
8               %Type: 0I
9               %DataCreationInfo: Rutgers/MARAC00S Domain
10              %DataCreationTimeZone: GMT
11              %ProcessingProgram: TUVstruct2ascii_0I 31-I
12              %TUV_structVersion: SVN $Rev: 396 $ $Date:
13              %MinNumSites:      2
14              %MinNumRads:      3
15              %mdlvar: 420.00
16              %errvar: 66.00
17              %sx: 10.00
18              %sy: 25.00
19              %tempthresh: 0.020833
20              %Longitude Latitude U comp V comp Ue
21              % (deg)      (deg)      (cm/s) (cm/s) (nm/s)
22              ,
23      Conventions = 'CF-1.4, CF, 1.6'
24      creator_name = 'Michael Smith'
25      creator_email = 'michaesm@marine.rutgers.edu'
26      institution = 'Coastal Ocean Observation Lab, Institute of
27      naming_authority = 'edu.rutgers.marine.rucool'
28      title = 'MARAC00S 5MHz Sea Surface Currents'
29      summary = 'Optimally Interpolated Total Vectors calculated
30      keywords = 'codar, totals, vectors, currents, optimal
31      geospatial_lat_min = 33.5488
32      geospatial_lat_max = 43.4738
33      geospatial_lat_units = 'degrees_north'
34      geospatial_lon_min = -76.9768
35      geospatial_lon_max = -68.0332
36      geospatial_lon_units = 'degrees_east'
37      history = 'Hourly codar radial data combined into one
38              FMRC Best Dataset'
39      source = 'surface observation'
40      _CoordSysBuilder = 'ucar.nc2.dataset.conv.CF1Convention'
41      cdm_data_type = 'GRID'
42      featureType = 'GRID'
43      location = 'Proto fmrc:5MHz_6km_realtime_codar_fmrc'
44 Dimensions:
    
```

```
45         lat = 185
46         lon = 155
47         time = 94117
```

```
48 Variables:
```

```
49     lon
```

```
50         Size:      155x1
```

```
51         Dimensions: lon
```

```
52         Datatype:  single
```

```
53         Attributes:
```

```
54             units          = 'degrees_east'
```

```
55             long_name      = 'longitude'
```

```
56             _FillValue    = -999
```

```
57             longname      = 'Longitude'
```

```
58             shortname     = 'lon'
```

```
59             _ChunkSizes   = 155
```

```
60             _CoordinateAxisType = 'Lon'
```

```
61             standard_name = 'longitude'
```

```
62     lat
```

```
63         Size:      185x1
```

```
64         Dimensions: lat
```

```
65         Datatype:  single
```

```
66         Attributes:
```

```
67             units          = 'degrees_north'
```

```
68             long_name      = 'latitude'
```

```
69             _FillValue    = -999
```

```
70             longname      = 'Latitude'
```

```
71             shortname     = 'lat'
```

```
72             _ChunkSizes   = 185
```

```
73             _CoordinateAxisType = 'Lat'
```

```
74             standard_name = 'latitude'
```

```
75     time
```

```
76         Size:      94117x1
```

```
77         Dimensions: time
```

```
78         Datatype:  double
```

```
79         Attributes:
```

```
80             long_name      = 'Forecast time for ForecastMode'
```

```
81             standard_name = 'time'
```

```
82             calendar      = 'proleptic_gregorian'
```

```
83             units         = 'hours since 2006-01-01 00:00:00'
```

```
84             missing_value = NaN
```

```
85             _CoordinateAxisType = 'Time'
```

```
86     time_run
```

```
87         Size:      94117x1
```

```
88         Dimensions: time
```

```

89         Datatype: double
90         Attributes:
91             long_name      = 'run times for coordinate = time'
92             standard_name  = 'forecast_reference_time'
93             calendar       = 'proleptic_gregorian'
94             units          = 'hours since 2006-01-01 00:00:00'
95             missing_value  = NaN
96             _CoordinateAxisType = 'RunTime'
97     time_offset
98         Size: 94117x1
99         Dimensions: time
100        Datatype: double
101        Attributes:
102            long_name      = 'offset hour from start of run for coordinate'
103            standard_name  = 'forecast_period'
104            calendar       = 'proleptic_gregorian'
105            units          = 'hours since 2006-01-01T00:00:00Z'
106            missing_value  = NaN
107    u
108        Size: 155x185x94117
109        Dimensions: lon,lat,time
110        Datatype: single
111        Attributes:
112            units          = 'cm/s'
113            long_name      = 'surface_eastward_sea_water_velocity'
114            _FillValue     = -999
115            longname       = 'Eastward Velocity'
116            standard_name  = 'surface_eastward_sea_water_velocity'
117            shortname      = 'u'
118            _ChunkSizes    = [1 185 155]
119            coordinates    = 'time_run time lat lon '
120    v
121        Size: 155x185x94117
122        Dimensions: lon,lat,time
123        Datatype: single
124        Attributes:
125            units          = 'cm/s'
126            long_name      = 'surface_northward_sea_water_velocity'
127            standard_name  = 'surface_northward_sea_water_velocity'
128            shortname      = 'v'
129            _FillValue     = -999
130            longname       = 'Northward Velocity'
131            _ChunkSizes    = [1 185 155]
132            coordinates    = 'time_run time lat lon '
    
```

```
133     u_err
134         Size:          155x185x94117
135         Dimensions:   lon,lat,time
136         Datatype:     single
137         Attributes:
138             _FillValue = -999
139             _ChunkSizes = [1 185 155]
140             coordinates = 'time_run time lat lon '
141     v_err
142         Size:          155x185x94117
143         Dimensions:   lon,lat,time
144         Datatype:     single
145         Attributes:
146             _FillValue = -999
147             _ChunkSizes = [1 185 155]
148             coordinates = 'time_run time lat lon '
149     num_radials
150         Size:          155x185x94117
151         Dimensions:   lon,lat,time
152         Datatype:     int32
153         Attributes:
154             _FillValue = -999
155             _ChunkSizes = [1 185 155]
156             coordinates = 'time_run time lat lon '
157     site_code
158         Size:          155x185x94117
159         Dimensions:   lon,lat,time
160         Datatype:     int32
161         Attributes:
162             _FillValue = -999
163             _ChunkSizes = [1 185 155]
164             coordinates = 'time_run time lat lon '
```