

Data Format: Radar S-band Moments

Header line 1 (space delimited fields from left to right):

- Three-letter site identifier
- Site latitude (degrees x 100)
- Site longitude (degrees x 100)
- Site altitude (m)
- Operating frequency (Gigahertz x 10⁵)

Header line 2 (space delimited fields from left to right):

- Beam index
- Azimuth angle (degrees)
- Elevation angle (degrees)
- Last two-digits of year (start time of dwell)
- Day of year (start time of dwell)
- Hour of day (start time of dwell)
- Minute (start time of dwell)
- Second (start time of dwell)

Header line 3 (space delimited fields from left to right):

- Inter-pulse period (microseconds)
- Pulse width (nanoseconds)
- Range to first range gate (m)
- Distance between range gates (m)
- Number of ranges gates
- Number of coherent integrations
- Number of averaged spectra
- Number of Fast-Fourier-Transform points
- Number of code bits

Data (space delimited columns from left to right for N rows, where the first (Nth) row corresponds to the first (Nth) range gate):

- Radial velocity (m/s)
- Signal-to-noise ratio (dB) - not range corrected
- Signal power (dB) - not range corrected
- Spectral width (m/s)
- Noise amplitude (dB)
- QC value - not applicable (all zeros)

Repeat Header lines 2-3 and Data for each succeeding radar dwell