

**Data Format: Radar 915MHz Weber Wuertz Wind**

Line 1: site identifier

Line 2: data type; revision number

Line 3: station latitude; station longitude; station elevation (m)

Line 4: year; month; day, hour; minute; second; utc offset (begin time of the observation)

Line 5: consensus averaging time (minutes); number of beams; number of range gates

Line 6: number of records required for consensus  
total number of records  
consensus window size (m/s)  
[repeat the triplet for each beam]

Line 7: number of coherent integrations [oblique and vertical]  
number of spectral averages [oblique and vertical]  
pulse width (ns) [oblique and vertical]  
inner pulse period (ms) [oblique and vertical]

Line 8: full-scale Doppler value (m/s) [oblique, vertical]  
oblique-beam vertical correction (0 = no; 1 = yes)  
delay to first gate (ns) [oblique, vertical]  
number of gates [oblique, vertical]  
spacing of gates (ns) [oblique, vertical]

Line 9: beam azimuth (degrees clockwise from north)  
beam elevation (degrees; if > 90 then it is degrees\*100)  
[repeat the couplet for each beam]

Line 10: column labels for data that follow

Line 11: start of data (a line for each radar range gate)  
height above ground (km)  
wind speed (m/s)  
wind direction (degrees clockwise from north)  
quality control value for resultant wind (0 = valid; 2 = estimated; 7 = suspect; 8 = invalid; 9 = missing)  
radial velocity (m/s); positive toward radar [repeat for each beam]  
number of records in average [repeat for each beam]  
average SNR (dB) of records in consensus [repeat for each beam]  
quality control value for radial velocity [repeat for each beam]

NOTE: beam order is determined by the azimuth & elevation value order in line 9.

Line 11 + 'number of range gates' lines: End of data character '\$'