Table A1: Data Block Format for Data Manager Daily Data Files (*.dat) (also called PCSodar Wind Data Files)

Line No.	Parameter
1	Station name, year, month, day, time, PCSodar version number.
2	Averaging time (min), transmit frequency (Hz), range (m), range interval (m), first gate (m), pulse duration (ms), pulse level (%), rotation angle (deg), ambient temperature (C), vertical wind speed correction (true/false), minimum signal-to-noise ratio (dB), minimum amplitude, minimum percent data, FFT size, sample rate (Hz), bin width (bins), u bandwidth (bins), v bandwidth (bins), w bandwidth (bins), Hamming (true/false), Hanning (true/false), compensation delay time (ms), frequency input compensation (degrees), frequency output compensation (degrees), channel 1 w amplitude (%), channel 2 w amplitude (%), channel 1 u/v amplitude (%), channel 2 u/v amplitude (%), w phase compensation (degrees), u/v phase compensation (degrees), element spacing (cm), reflector board option, in situ option, temperature 1 option, temperature 2 option, solar radiation option, precipitation option, relative humidity option, battery voltage option, relay delay (ms), system delay (sec), pulse ramp (%), temperature 2 or precip switch option, solar radiation or generator option, parameter 2 ID, W echo rejection option, V echo rejection option, U echo rejection option, compass option, roof option, solar charger current option, pressure display units option, sonic anemometer option, propane heater control option
3	Height (m), vector wind speed (m/s), vector wind direction (deg), wind speed/wind direction reliability, w speed (m/s), w reliability, w count, w standard deviation (m/s), w amplitude, w noise, w signal-to-noise ratio, w valid count, v speed (m/s), v reliability, v count, v standard deviation (m/s), v amplitude, v noise, v signal-to-noise ratio, v valid count, u speed (m/s), u reliability, u count, u standard deviation (m/s), u amplitude, u noise, u signal-to-noise ratio, u valid count
4 up to last	A line formatted like Line No. 3 for each range gate.
range gate	Example: For 14 range gates, the data block would contain 14 lines of sodar data formatted as shown for Line No. 3.
If any externa data, in this s	Il sensors are being sampled, their data will be recorded following the wind sequence.
	anemometer (Arithmetic wind speed (m/s), unit vector wind direction (deg), vector wind speed (m/s), vector wind direction (deg), wind direction standard deviation (deg))
	temperature 1 (deg. C)
	temperature 2 (deg. C) or precipitation switch (volts)
	solar radiation (watts/m2), generator voltage (volts), or barometric pressure (mb or mm Hg)
	precipitation (mm)
	relative humidity (%)
	battery (volts)

Line No.	Parameter
	roof status :
	compass (heading (degrees), heading standard deviation (degrees), pitch (degrees), pitch standard deviation (degrees), roll (degrees), roll standard deviation (degrees))
,	solar charger current (amps)
	sonic anemometer (scalar wind speed (m/s), unit vector wind direction (degrees), vector wind speed (m/s), vector wind direction (degrees), vertical speed (m/s), elevation angle (degrees), wind speed standard deviation (m/s), vertical speed standard deviation (m/s), wind direction standard deviation (degrees), speed of sound (m/s), temperature (degrees C), voltage (volts))
	Heater temperature (degrees C)