

Data dictionary:

File naming convention: Output files after running this script are named with the following convention, **(emission_channel)-(field_of_view).csv**. E.g., the file O1S-FD represents data from the O(¹S) emission line using forward- and backward-looking observations.

Important Note: Within the CSV file for any float values, NaN values are represented as 1e32. Missing data values are represented by N/A, Missing data is caused by either missing or corrupted data values from original Windii files.

Variable Name	Description	Data Type	Units	Example
date	Date data was collected	Date/Time	Year-Month-Day	1991-11-07
lat	Latitude	Float	Degrees	-27.12
lon	Longitude	Float	Degrees	312.58
look		Float		75.07
alt	Altitude	Float	Kilometre	301.49
wind	Wind speed	Float	metres/second	-1313
sw	Standard deviation of Wind	Float	metres/second	495.3
temp	Temperature	Float	Kelvin	1456
st	Standard deviation of Temperature	Float	Kelvin	1009
ver	Volume Emission Rate	Float	photons/cm ³	13.43
sv	Standard deviation of Volume Emission Rate	Float	photons/cm ³	1.553
sza	Solar Zenith Angle	Float	Degrees	137.21
zwind	Zonal Wind	Float	metres/second	91.44
szw	Standard deviation of Zonal Wind	Float	metres/second	80.25
mwind	Merid Wind	Float	metres/second	6.099
smw	Standard deviation of Merid Wind	Float	metres/second	8.738
type	Field of view where data was collected	String	FD1, FD2 or CD	FD2