

CSV Standard

Import Details

Key Terms

Launch Latitude
Launch Longitude
Launch Angle
Launch Angle (Std Dev)
Launch Direction
Launch Direction (Std Dev)
Launch Altitude
Temperature
Temperature (Std Dev)
Pressure
Pressure (Std Dev)
Launch Rod Length
Motor Thrust Performance (Mean)
Motor Thrust Performance (Std Dev)
Number of Simulations
Parachute Deployment Time (Std Dev)
Wind Altitude Step
Wind Speed Launch
Wind Speed One
Wind Speed Two
Wind Speed Three
Wind Speed Four
Wind Speed Five
Wind Speed Six
Wind Speed Seven
Wind Speed Eight
Wind Speed Nine
Wind Speed (Std Dev)
Wind Direction Launch
Wind Direction One
Wind Direction Two
Wind Direction Three
Wind Direction Four
Wind Direction Five
Wind Direction Six
Wind Direction Seven
Wind Direction Eight
Wind Direction Nine
Wind Direction (Std Dev)

Units

Degrees
Degrees
Degrees
Degrees
Degrees
Degrees
Metres
°C
°C
Pa
Pa
Metres
%
%
Integer
Seconds
Km
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
Degrees
Degrees
Degrees
Degrees
Degrees
Degrees
Degrees
Degrees
Degrees
Degrees
Degrees

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Export Details

Key Terms

Launch Latitude
Launch Longitude
Distance From Launch
Mean Latitude
Mean Longitude
Landing Latitude
Landing Longitude
Launch Angle
Launch Direction
Pressure
Temperature
Parachute Deployed
Parachute Deployment Delay
Motor Thrust Performance
Wind Altitude Step
Wind Speed Launch (Mean)
Wind Speed One (Mean)
Wind Speed Two (Mean)
Wind Speed Three (Mean)
Wind Speed Four (Mean)
Wind Speed Five (Mean)
Wind Speed Six (Mean)
Wind Speed Seven (Mean)
Wind Speed Eight (Mean)
Wind Speed Nine (Mean)
Wind Speed (Std Dev)
Wind Direction Launch (Mean)
Wind Direction One (Mean)
Wind Direction Two (Mean)
Wind Direction Three (Mean)
Wind Direction Four (Mean)
Wind Direction Five (Mean)
Wind Direction Six (Mean)
Wind Direction Seven (Mean)
Wind Direction Eight (Mean)
Wind Direction Nine (Mean)
Wind Direction (Std Dev)

Units

Degrees
Degrees
Metres
Degrees
Degrees
Degrees
Degrees
Degrees
Pa
°C
Boolean
Seconds
%
Km
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
 ms^{-1}
Degrees
Degrees
Degrees
Degrees
Degrees
Degrees
Degrees
Degrees
Degrees
Degrees

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Notes

- Key Terms
 - Key terms have spaces to make them more readable in CSV files
- Import file
 - Can be located anywhere on user device
 - Can take specified key terms (see below)
 - Will ignore any invalid key terms
 - Values must be in specific units (see below)
- Output file
 - Exported to directory chosen by user
 - Values are in specific units (see below)
- Wind Speed & Direction
 - Our simulation considers wind differences between different altitudes
 - This is represented by up to 10 different altitudes, determined by the “Wind Altitude Step” parameter
 - Launch altitude is considered 0km high
 - i.e. for step of 1km, altitude 1 would be “1.0” and altitude 2 would be “2.0”, etc
 - If you only wish to use one wind speed/direction, use the “Launch” key-term
 - i.e. “Wind Speed Launch”
 - These values work sequentially, and if you miss a value then the remaining values will be ignored
 - i.e. altitude 4 is required to consider altitude 5