

## Readme file for BLS450 Scintillometer at the George Site

This dataset corresponds to the BLS450 Scintillometer deployed by Army Research Laboratory at the George Site (Antenna) looking towards Lionstail (Receiver). For more information on the data processing, please contact Raghu Krishnamurthy at [rkrishn1@nd.edu](mailto:rkrishn1@nd.edu) or Chris Hocut at [christopher.m.hocut.civ@mail.mil](mailto:christopher.m.hocut.civ@mail.mil).

The data frequency of the raw data varies for the period of study. Processed data will be submitted to the EOL archive.

Type of Lidar	Start Time	End Time	GPS (X, Y Z)	Data Type
Scintillometer	May 5, 2017  17:14:00	May 7, 2017  09:52:30	Antenna: 39.722377° -7.730853° 267 m  Receiver: 8° 7' 59.19"W 39° 40' 5.73"N 460.783	Raw (*.mnd)

The equipment stopped recording data after May 7, 2017. Hence only 2 days of data is being uploaded.

### Data format

The data format & parameters of the Lidar data are provided below and as well in the header of each uploaded file:

```

FORMAT-1.1
2017-05-05T17:14:00Z
BLS450
4 29
  
```

```

Station Code:   Perdigao G to LT
Network Name:   SPU-111-221
Serial Number:  T-E-0680
Software:       SRun 1.22
  
```

Diagnosis Data

Time # time ## T3 # 1

Diagnosis Data Counter # dgnCounter # # S # 16 # \*

Average XA (Corrected) # <XA>(c) # # S # 17 # \*

Normalized Std.Dev. XA (Corrected) # nSigXA(c) # # S # 17 # \*

Number of Samples # numSamples # # S # 16 # \*

Average XA # <XA> # # S # 17 # \*

Average XB # <XB> # # S # 20 # \*

Std.Dev. XA # sigXA # # S # 17 # \*

Std.Dev. XB # sigXB # # S # 20 # \*

Minimum XA # minXA # # S # 17 # \*

Minimum XB # minXB # # S # 20 # \*

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