BLLAST Data Overview

UHF:

Spatial resolution=75m

Frequency=5mins

Located at super-site 1 at 43°07’43.0’’N 00°21’59.9’’E (43.1331 lat and 0.3669 long)

VHF:

1st June 2011 – 21st July 2011

Spatial resolution=75m

Frequency=5mins

Located at super-site 1 at 43°07’43.0’’N 00°21’59.9’’E (43.12898 lat, 0.36564 long)

Sodar:

1st June 2011 – 14th June 2011

Orientated 308 degrees north

Height above ground level is 2m

Both taken account for in the data

Located at super-site 1 at 43°07’43.0’’N 00°21’59.9’’E

Data organised in text files per 30 mins

Rows represent height levels.

Columns represent variables:

speed dir U U[QCC] U[ign] U[siC] U[siD] V V[QCC] V[ign] V[siC] V[siD] W

W[QCC] W[ign] W[siC] W[siD] sigU sigU\_r sigU\_r[QCC] sigU\_r[ign] sigU\_r[siC]

sigU\_r[siD] sigV sigV\_r sigV\_r[QCC] sigV\_r[ign] sigV\_r[siC] sigV\_r[siD] sigW

sigW[QCC] sigW[ign] sigW[siC] sigW[siD] {speed} {dir} {U} {V} {W} {sigU}

{sigU\_r} {sigV} {sigV\_r} {sigW} shear shearDir sigPhi sigTheta PGz TKE EDR

bck\_raw bck bck\_ID CT^2 error

Tethered Balloons:

14th June 2011 – 5th July 2011

Located at super-site 1 at 43°08’00’’N 00°22’30’’E 43°07’20’’S 00°21’30’’W

Sensors; anemometers, tethersondes, temperature sensors (two types)

Measures; u,v and w wind components, sonic temperature, relative humidity, low frequency air temperature, 10Hz air temperature