

BT Tower Field Site - MetadataField Site Information

Name: BT Tower
 src_id (Station ID number): n/a
 Geographic Area: Greater London
 Latitude (decimal °): 51.521
 Longitude (decimal °): -0.139
 OS Grid Reference: TQ 292 819
 Postcode: W1
 Elevation: 191 m above surface level
 Drainage System: unknown
 Hydrological area ID: Unknown
 Station start date: 27th October 2006 (DOY 300)
 Station end date: Current (Data up to 29th Nov)
 METAR code: n/a

Equipment

Name	Location	Deployment
Vaisala Weather Transmitter WXT510	Top of Tower	27/10/06 - Present
3D Sonic	Top of Tower	
Licor CO ₂ Gas Analyser	Top of Tower	27/10/06 - Present

Data Storage

Type	Location	Start Date	File Name(s)
WXT510	LondonRawData W:\KCLroof\YYYY\BT Tower\	27 th Oct DOY 300	BTWXTYYYY_30.txt BTWXTYYYY_05.txt
3D Sonic			
Gas			
Analyser			

Data Processing

Data processing carried out on computer located on floor T35.

Data File Formats

For up to date and previous file formats visit the field site website at <http://geography.kcl.ac.uk/micromet/index.htm> .

Column	Variable {WXT code}	Units
1	Continuous Time Stamp (<i>DD/MM/YYYY hh:mm</i>)	
2	Data Time Stamp (<i>DD/MM/YYYY hh:mm</i>)	
3	Mean Wind Direction (uncorrected) {Dm}	°
4	Minimum Wind Direction (uncorrected) {Dn}	°
5	Maximum Wind Direction (uncorrected) {Dx}	°
6	Minimum Wind Speed {Sn}	ms ⁻¹
7	Mean Wind Speed {Sm}	ms ⁻¹
8	Maximum Wind Speed {Sx}	ms ⁻¹
9	Heating Temperature {Th}	°C
10	Heating Voltage {Vh}	V
11	Supply Voltage {Vs}	V
12	Reference Voltage 3.5 V {Vr}	V
13	Air Temperature {Ta}	°C
14	Relative Humidity {Ua}	%
15	Station Air Pressure (Pa)	hPa
16	Rain Accumulation {Rc}	mm
17	Rain Duration {Rd}	s
18	Rain Intensity {Ri}	mm hr ⁻¹
19	Hail Accumulation {Hc}	hits
20	Hail Duration {Hd}	s
21	Hail Intensity {Hi}	hits hr ⁻¹
22	Rain Peak Intensity {Rp}	mm hr ⁻¹
23	Hail Peak Intensity {Hp}	hits hr ⁻¹
24	cos (Dm)	°
25	sin (Dm)	°
26	cos (Dn)	°
27	sin (Dn)	°
28	cos (Dx)	°
29	sin (Dx)	°
30-42	Unknown???	
43	Wind Direction Corrected	°

Satellite Pictures

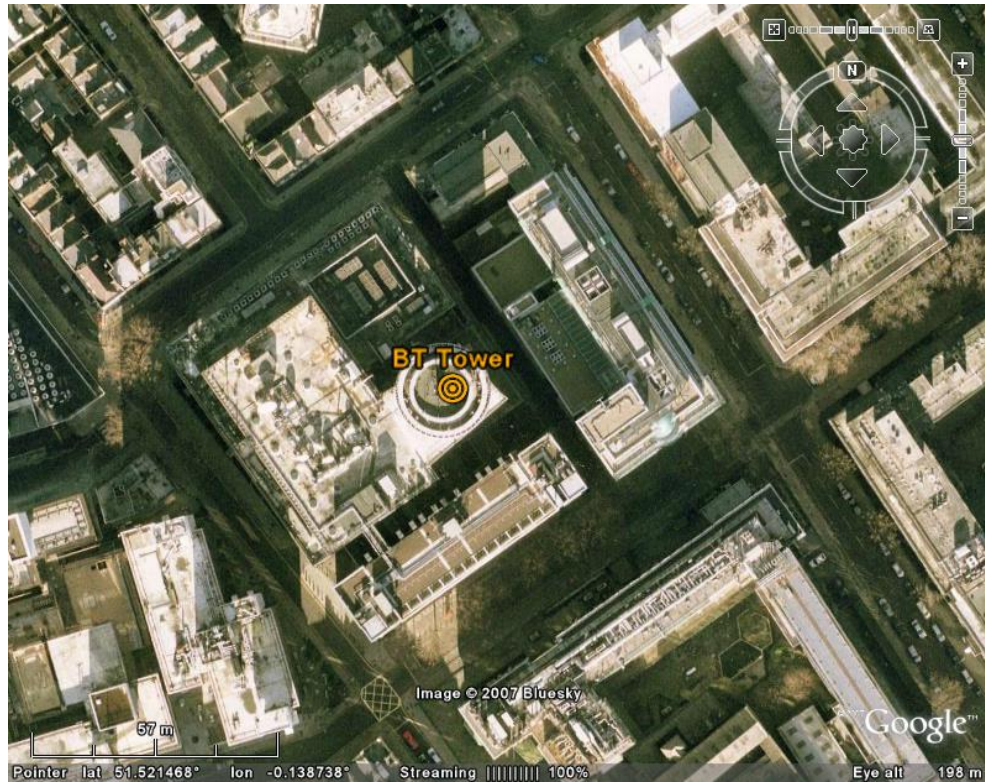


Figure 1. Local scale (100 m radius) around BT Tower (Google Earth, 2007)

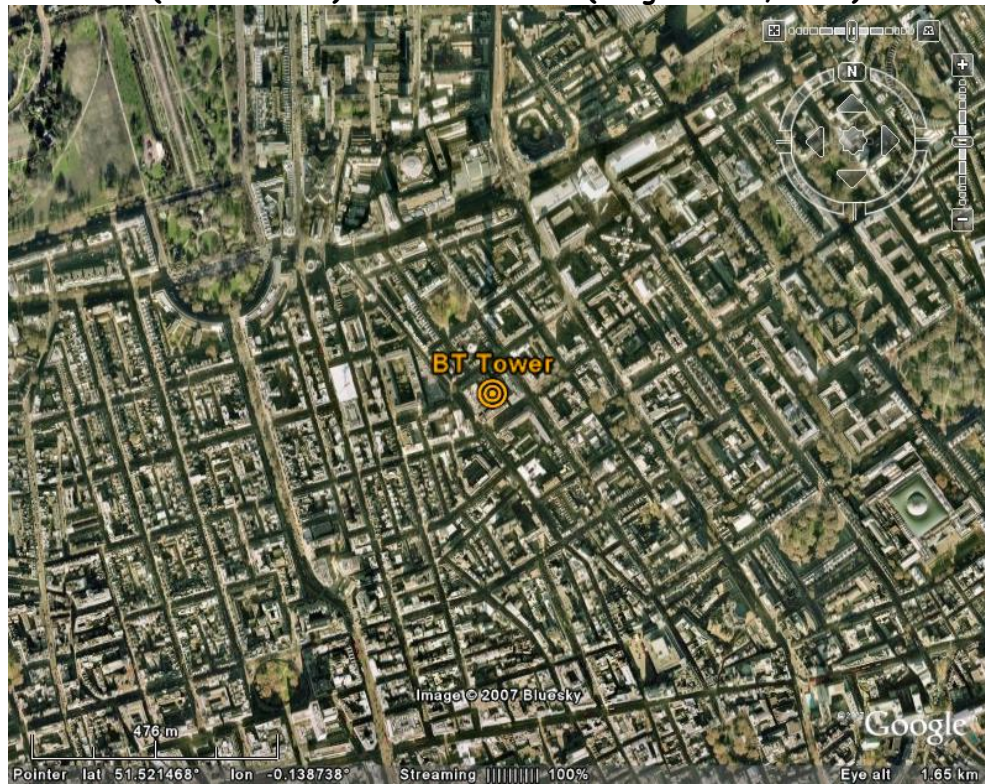


Figure 2. Mesoscale (1 km radius) around BT Tower (Google Earth, 2007).