

Site name	Site code	Date of visit	OS X	OS Y	Latitude	Longitude	UTM
Brent 1	BT1	01/08/2007	519600	189300	51 35' 24N	0 16' 30W	30U 697541.68E, 5692835.28N

Satellite pictures

Date:
02/062007 -
07/06/2007

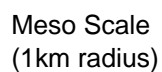
Local scale
(100 m radius)



Meso Scale
(1km radius)



Local scale
(100 m radius)



Site classification

LAQN Classification	Station Type
Suburban	Urban Meteorological

Urban climate zone

Meso (1 km)	Local (100m radius)	Micro (30 m radius)
3	3	3

% Land cover

	100 m	1 km
Vegetated	48.2	42.7
Built over	39.9	39.8
Water	0	0
Road	11.9	17.5

Main Land use

Direction	Land use (MAJOR/ minor)
N	RESIDENTIAL/ park
E	RESIDENTIAL/ park
S	PARK/ residential
W	RESIDENTIAL/ industrial

Site description

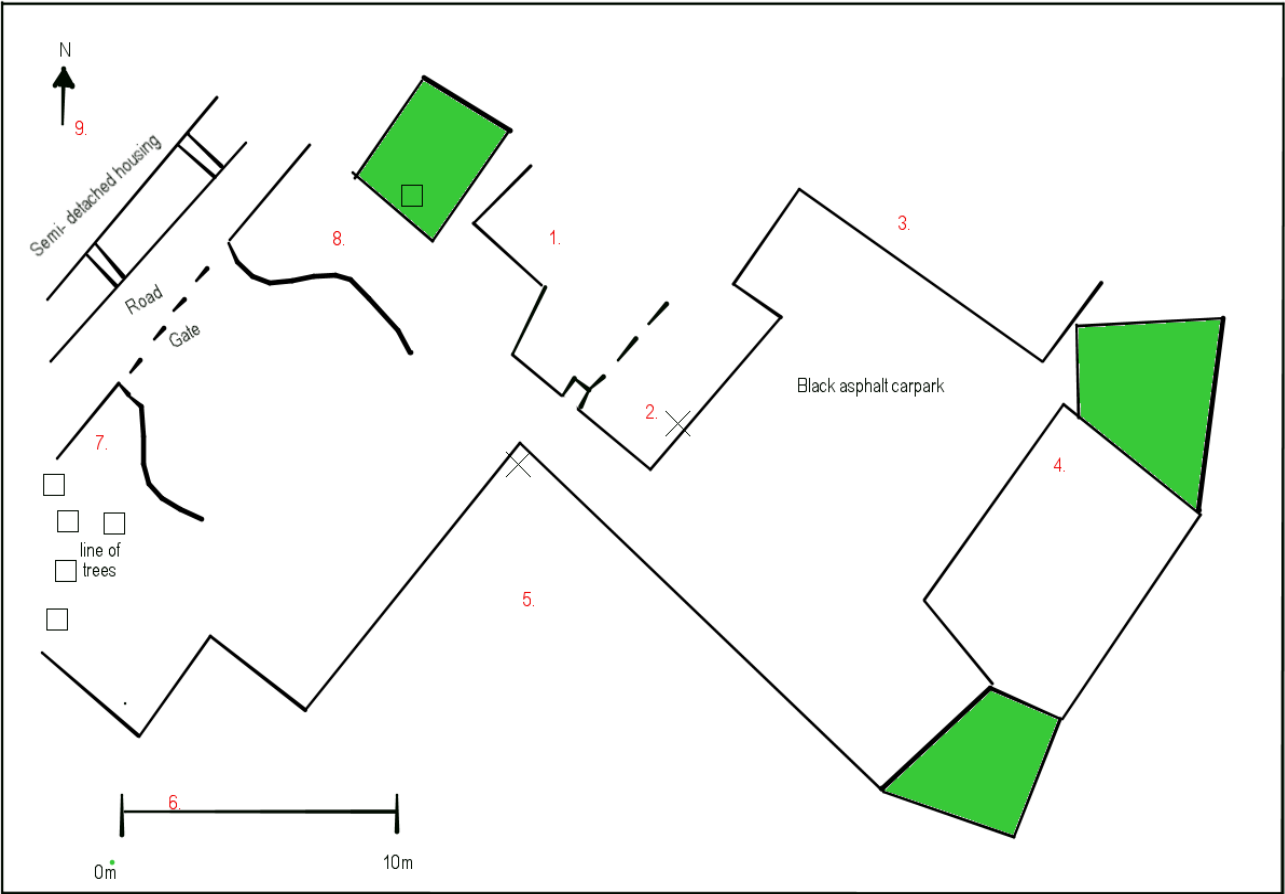
Meso (1 km radius)	Local (100m radius)	Micro (30 m radius)
Fairly dense suburban housing; some open green space.	School grounds dominate local area; suburban housing/gardens and B-roads.	On school grounds; near large areas of open playing fields. Road to West of site is quiet/moderately busy.

Station photo











Plan view
diagram
(30 m radius)

KEY
□ : Tree
X : Station

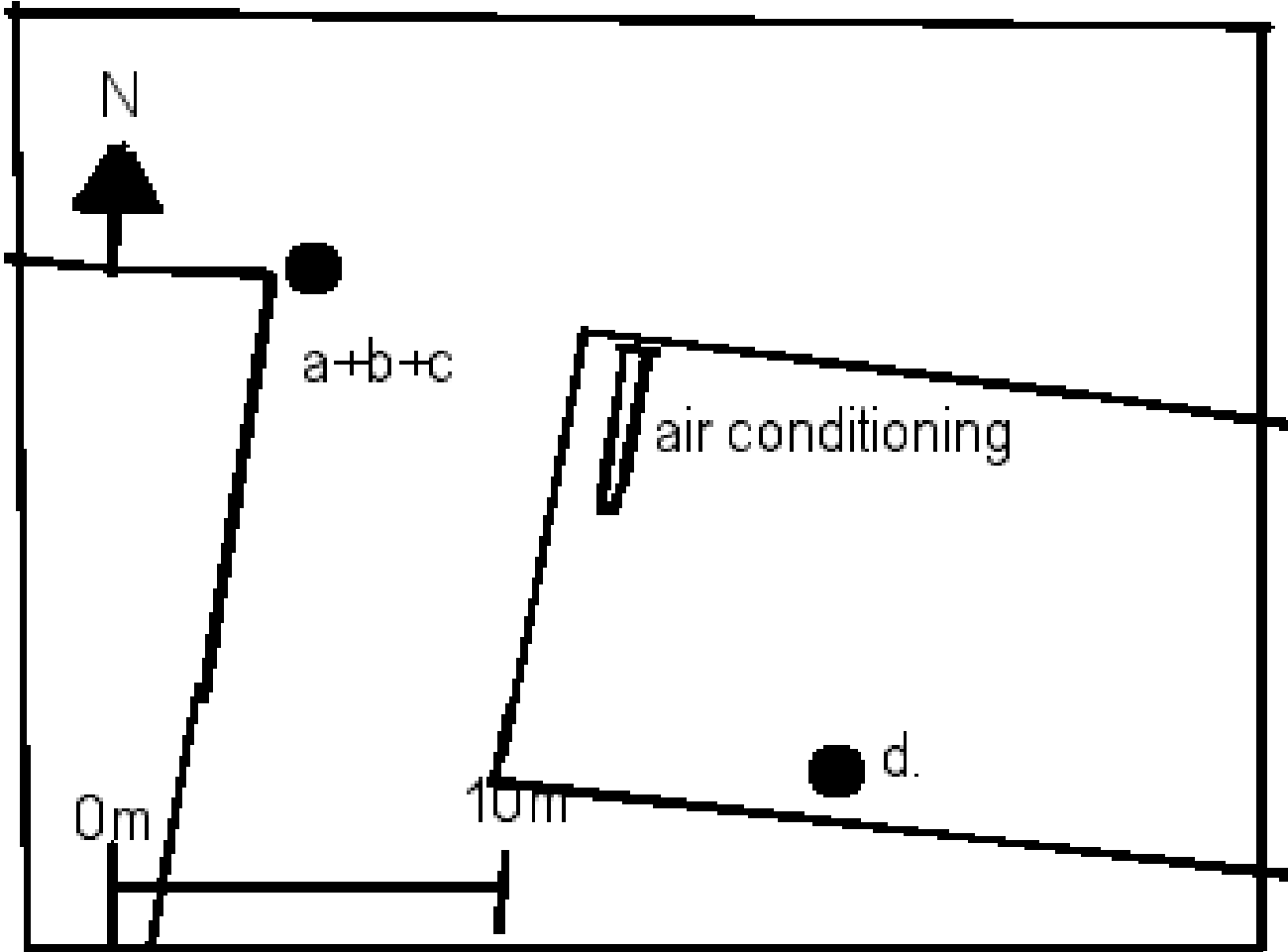


Site obstacles

Sketch key	Type	Detail	Roof Material	View from station
1	School Building	Traditional	Brown slate	
2	Monitoring Station	N/a	Black rubber membrane	
3	School Building	Traditional	Brown slate	N/a
4	School Building	Modern	Black rubber membrane	
5	School Building	Traditional	White panelling (according to Google Earth)	

6	Line of trees	Deciduous/ Evergreen	N/a	
7	Tree	Deciduous	N/a	
8	Tree	Deciduous	N/a	
9	Row of houses	Semi-detached	Red slate	

Instrument
diagram
(Plan view)



Instruments

Sketch key	Name	Variable	True height (m)	Concerns
a	Cup anemometer	Wind Speed	11.8	Anemometer and wind vane, although taller than the building they are on, are enclosed by the shape of building (5). In addition to the nearby line of trees (6), the local wind movement may not be representative of the wider area.
b	Gill wind vane	Wind Direction	11.8	Anemometer and wind vane, although taller than the building they are on, are enclosed by the shape of building (5). In addition to the nearby line of trees (6), the local wind movement may not be representative of the wider area.
c	Relative Humidity Gauge	Humidity	11.1	N/a
d	Teom	Air Quality	3.3	N/a

Instrument
image

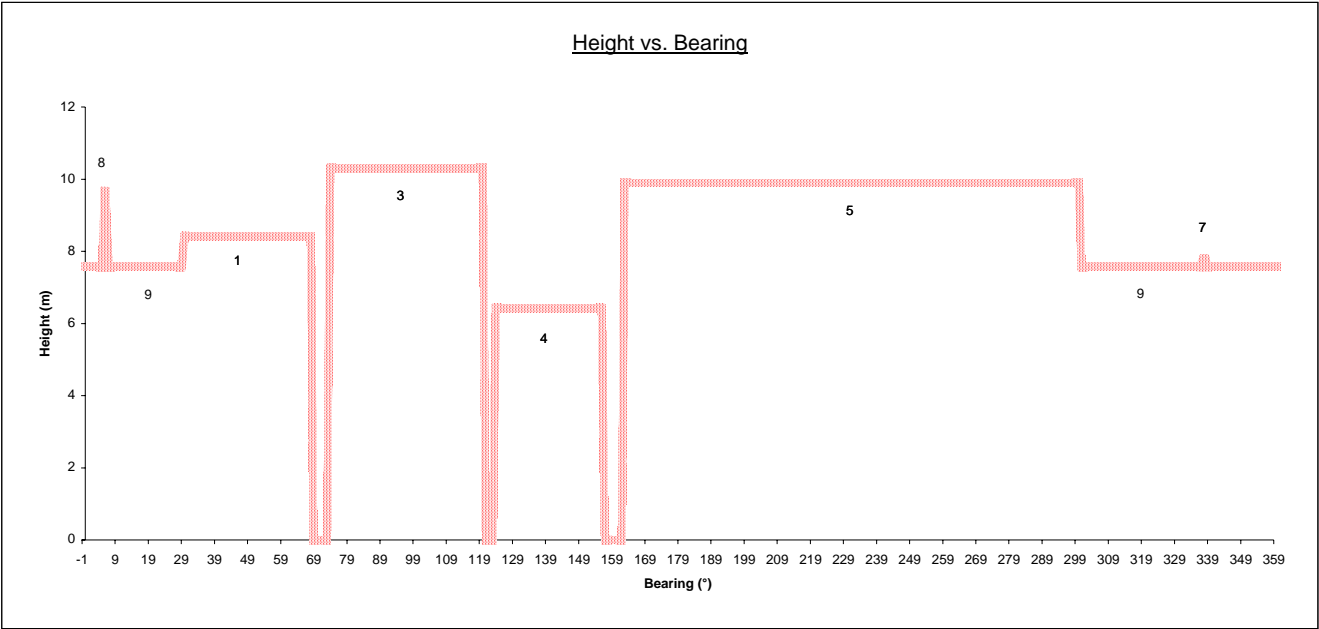


Image 1:
*Instruments
(a), (b) & (c)*



Image 2:
Instrument (d)

Graphs
Height vs.
bearing



Other influences

Heat sources

Bearing from site (°)	Source	Location	Detail
N/a	Air conditioning unit	Northwest-facing side of observation building	N/a
(1) 30°-68°; (2) 86°-116°; (3) 74°-120°	Surrounding buildings (1), (2), (5)	Internal heating	Walls of buildings dominated by glass windows

Traffic

Quiet/ moderately busy	Seasonal features	Summer; trees in full leaf	Temporary fixtures	N/a
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Task	Initial
Who visited the site	RW, KR.
Who filed the report	KR.
Who produced the plots	KR

N.B. values given to 3 s.f.