

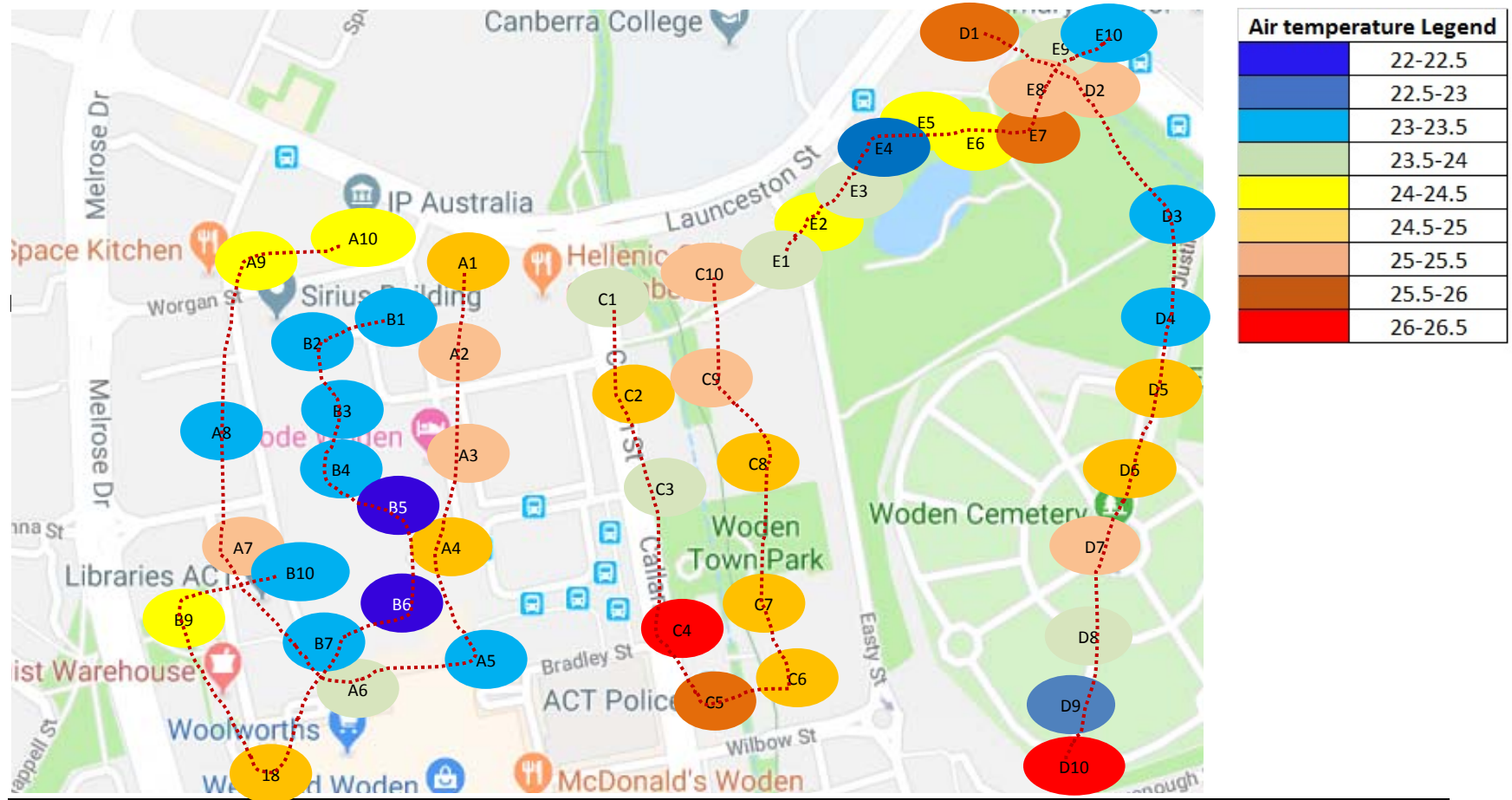
Summary of Woden Measurements

Location: Canberra College | 2 Launceston St, Phillip ACT 2606

Date: 9 February 2019, Time: 1-3 pm,

Reference meteorological station: BoM station, Canberra Airport (air temperature @ 2 pm - 23.4°C, RH – 32%)

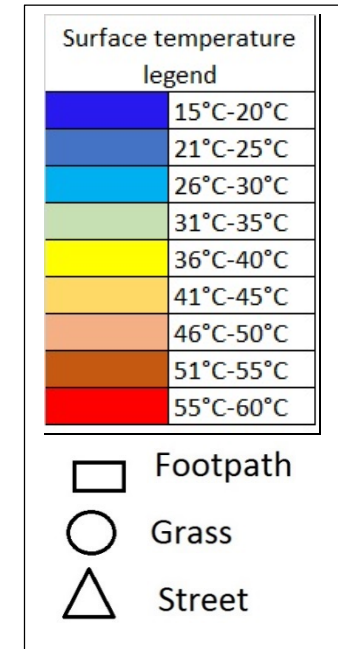
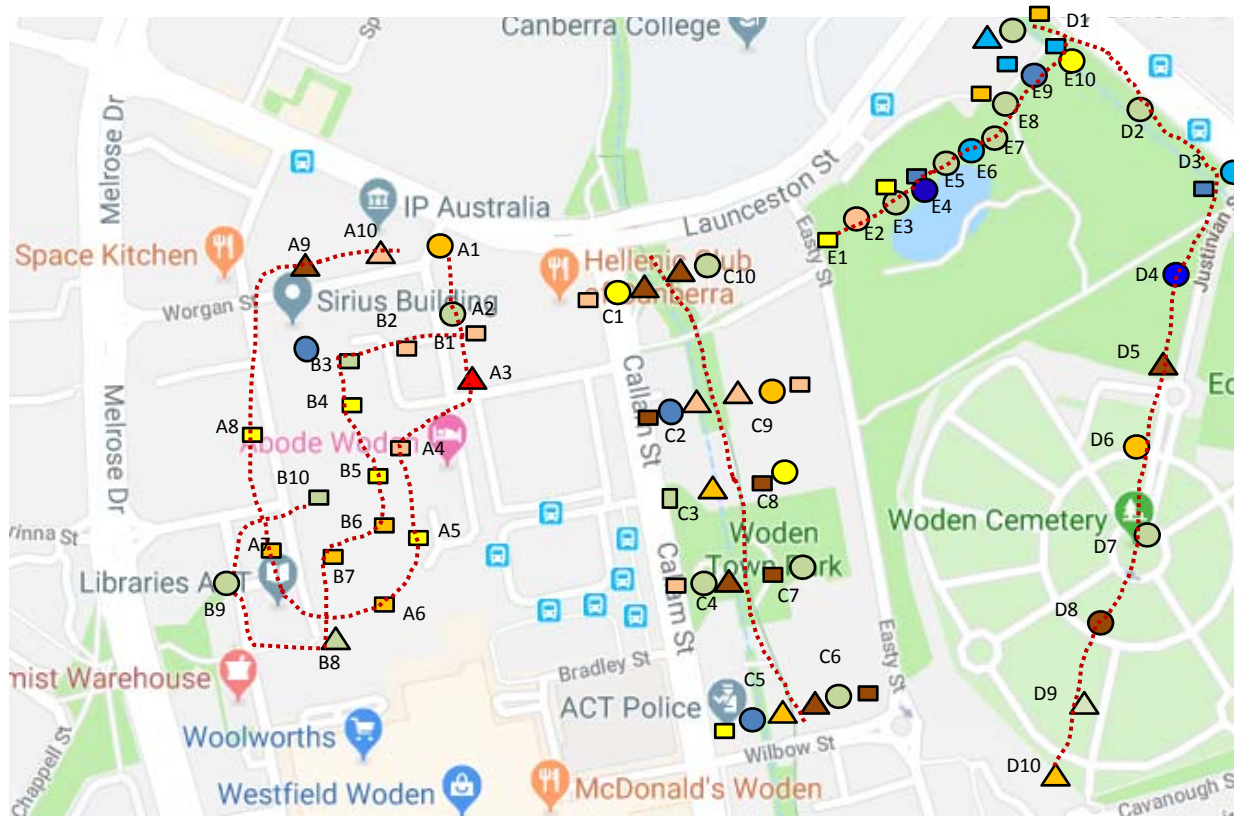
The air temperature, relative humidity, globe temperature, wind speed and surface temperatures were recorded at 50 locations. The map illustrates air temperature measured at each of the location numbered inside the circle. Please refer to the legend at the right-hand side of the map for the range of temperature values depicted using the colour code. The summary table below shows maximum and minimum values for each of the parameters, and the locations they are recorded.



	Globe temperature (°C)	Air temperature (°C)	Relative Humidity (RH%)	Wind Speed (m/s)	Surface temperature (°C)		
					Sidewalk	Grass	Street
Max	29.2 (Location A7)	26.1 (Location D10)	39.4 (Location E5)	12.7 (Location B6)	54.4 (Location C2)	51 (Location C9)	55.1 (Location A3)
Min	23.7 (Location B5)	22.3 (Location B6)	27.5 (Location A4)	0.6 (Location D10)	22.6 (Location E4)	17 (Location D4)	26.8 (Location D1)

Performance of surface materials

Surface temperature measurements at each Location was recorded using a spot infra-red thermometer. The IR thermometer was pointed at different surfaces including the footpath, grass and road pavement. It was also noted if these surfaces were exposed to the sun or under the shade, if the grass was wet or dry, etc. The map shows the surface temperatures recorded at various locations and surfaces. The table below shows the summary of the surface temperature measurements at various conditions and locations of maximum and minimum surface temperatures.



Type of Material	Surface temperature (°C)		Surface temperature (°C)	
	Urban Layout		Greenery	
	Min	Max	Min	Max
Dry grass under sun	32.7 (Location C6)	51 (Location A9)	31 (Location D1)	51 (Location D8)
Street under sun	41.5 (Location C5)	55.1 (Location A3)	45.5 (Location D10)	53 (Location D5)
Footpath under sun	54.4 (Location A8)	54.4 (Location C2)	22.6 (Location E4)	40.5 (Location D1)
Street under shade	NA		26.8 (Location D1)	30.5 (Location D9)
Footpath under shade	23.1 (Location B6)	30 (Location B3)	24.3 (Location D3)	27.3 (Location E10)
Wet grass under shade	24.1 (Location C5)		17.2 (Location E4)	27.4 (Location D3)



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Data recorded by citizens

No	Globe temperature (°C)	Air temperature (°C)	Relative Humidity (%)	Wind speed (m/s)
A1	26.8	24.8	30.6	3.2-6.9
A2	27.4	25.3	30.2	2.3-5
A3	27.3	25.3	28.2	3.3-5.1
A4	29	24.8	27.5	0.7-2.8
A5	27.8	23.4	32.2	4.5-9.6
A6	27.8	23.8	30.1	3.3-5.1
A7	29.2	25.3	28.7	1.3-1.8
A8	27.3	23.2	30.2	1.7-6
A9	28	24.2	29.2	2.5-5
A10	26	24	30.9	3.9-6.8

No	Globe temperature (°C)	Air temperature (°C)	Relative Humidity (%)	Wind speed (m/s)
B1	26.7	23.4	30.7	1.8-6.9
B2	26.5	24	31.2	3.5-6.9
B3	24.4	23.2	30.8	3-7
B4	25.5	23.1	31.4	2-2.7
B5	23.7	22.4	32.4	4-11.7
B6	24.7	22.3	31.6	8-12.7
B7	27.3	23.4	29.3	4.7-6.7
B8	26.9	24.8	29.1	3.3-5.7
B9	26.9	24	29.2	2.2-4.4
B10	25.9	23.2	30.5	5.8-8.3

No	Globe temperature (°C)	Air temperature (°C)	Relative Humidity (%)	Wind speed (m/s)
C1	26.1	23.6	29.3	2.8-7.2
C2	27.4	24.6	29.1	1.4-6.1
C3	25.4	23.6	30.4	3-10.7
C4	27.5	26	28.2	1.5-6.4
C5	25.6	25.2	28.2	1-3.7
C6	25.8	24.9	28.2	2.3-6.5
C7	25.9	24.9	31.5	1.7-5.6
C8	26.9	24.8	28.3	1.5-4.4
C9	27.1	25.2	29.9	1.8-9.5
C10	25.6	25	30.2	0.9-4.8

No	Globe temperature (°C)	Air temperature (°C)	Relative Humidity (%)	Wind speed (m/s)
D1	27.4	25.3	33.2	2.7-6.5
D2	26.7	25.1	31.2	2.1-3.7
D3	25.3	23.4	32.4	0.7-5.8
D4	24.3	23	35	2.1-2.8
D5	26.3	24.5	32.2	2.2-4.6
D6	27.3	24.7	28.8	1.6-4.3
D7	25.4	25.4	30.6	2.2-3.4
D8	25.6	23.5	29.7	4-10.1
D9	24.5	22.7	29.9	3.4-5.3
D10	28.1	26.1	29.7	0.6-1.8

No	Globe temperature (°C)	Air temperature (°C)	Relative Humidity (%)	Wind speed (m/s)
E1	27.4	23.8	30.5	2.5-5
E2	26.3	24.2	32.5	2.9-4.5
E3	26.1	23.6	35	3-4.2
E4	24.8	22.6	33	1.8-2.3
E5	27	24.4	39.4	1.6-2
E6	26.1	24.1	34.4	2.4-4.4
E7	27	25.9	34.6	1.2-1.3
E8	26.6	25	30.1	1.6-4.4
E9	25.9	23.7	30.5	2.8-6.2
E10	24.9	23.1	32.7	2.3-7.6



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