

Electronic supplementary material: table S2

Temperatures of soil and refuse dump surfaces around nest-mounds and external refuse piles of the le
Data were obtained from 5 days of summer in Villa El Chocón, Patagonia, Argentina (39 °S); and were
Temperatures above 49° C are highlighted

Note that periods > 49° C comprise 4-5 hs per day, between 12 and 18 h, with peaks around 65° C

Date Time	temp ext
01/01/2008 17:00	47.43
01/01/2008 17:15	57.24
01/01/2008 17:30	58.55
01/01/2008 17:45	56.6
01/01/2008 18:00	52.37
01/01/2008 18:15	49.02
01/01/2008 18:30	44.89
01/01/2008 18:45	44.4
01/01/2008 19:00	44.4
01/01/2008 19:15	43.42
01/01/2008 19:30	39.67
01/01/2008 19:45	37
01/01/2008 20:00	34.43
01/01/2008 20:15	32.34
01/01/2008 20:30	30.71
01/01/2008 20:45	29.1
01/01/2008 21:00	27.91
01/01/2008 21:15	27.12
01/01/2008 21:30	26.34
01/01/2008 21:45	25.95
01/01/2008 22:00	25.17
01/01/2008 22:15	24.79
01/01/2008 22:30	24.4
01/01/2008 22:45	23.63
01/01/2008 23:00	23.63
01/01/2008 23:15	23.24
01/01/2008 23:30	22.86
01/01/2008 23:45	22.48
01/02/2008 00:00	22.09
01/02/2008 00:15	21.71
01/02/2008 00:30	21.33
01/02/2008 00:45	20.95
01/02/2008 01:00	20.57
01/02/2008 01:15	20.19
01/02/2008 01:30	20.19
01/02/2008 01:45	19.81
01/02/2008 02:00	19.04
01/02/2008 02:15	19.04
01/02/2008 02:30	18.66
01/02/2008 02:45	18.66
01/02/2008 03:00	18.66

01/02/2008 03:15	18.28
01/02/2008 03:30	18.28
01/02/2008 03:45	17.9
01/02/2008 04:00	17.9
01/02/2008 04:15	17.52
01/02/2008 04:30	17.52
01/02/2008 04:45	17.52
01/02/2008 05:00	17.52
01/02/2008 05:15	17.14
01/02/2008 05:30	17.14
01/02/2008 05:45	17.14
01/02/2008 06:00	16.76
01/02/2008 06:15	16.76
01/02/2008 06:30	16.76
01/02/2008 06:45	16.76
01/02/2008 07:00	17.14
01/02/2008 07:15	17.52
01/02/2008 07:30	17.9
01/02/2008 07:45	18.66
01/02/2008 08:00	19.81
01/02/2008 08:15	19.81
01/02/2008 08:30	20.19
01/02/2008 08:45	20.95
01/02/2008 09:00	21.71
01/02/2008 09:15	22.09
01/02/2008 09:30	22.86
01/02/2008 09:45	24.01
01/02/2008 10:00	25.17
01/02/2008 10:15	26.73
01/02/2008 10:30	29.5
01/02/2008 10:45	31.93
01/02/2008 11:00	35.7
01/02/2008 11:15	39.22
01/02/2008 11:30	41.52
01/02/2008 11:45	45.89
01/02/2008 12:00	48.49
01/02/2008 12:15	51.79
01/02/2008 12:30	54.13
01/02/2008 12:45	55.97
01/02/2008 13:00	56.6
01/02/2008 13:15	58.55
01/02/2008 13:30	59.22
01/02/2008 13:45	59.9
01/02/2008 14:00	60.59
01/02/2008 14:15	62.57
01/02/2008 14:30	63.78
01/02/2008 14:45	65.00

01/02/2008 15:00	66.21
01/02/2008 15:15	67.43
01/02/2008 15:30	68.65
01/02/2008 15:45	61.29
01/02/2008 16:00	59.9
01/02/2008 16:15	56.6
01/02/2008 16:30	53.53
01/02/2008 16:45	52.95
01/02/2008 17:00	52.37
01/02/2008 17:15	52.37
01/02/2008 17:30	51.79
01/02/2008 17:45	49.56
01/02/2008 18:00	45.39
01/02/2008 18:15	41.99
01/02/2008 18:30	39.67
01/02/2008 18:45	39.67
01/02/2008 19:00	40.59
01/02/2008 19:15	37.88
01/02/2008 19:30	34.43
01/02/2008 19:45	31.52
01/02/2008 20:00	29.9
01/02/2008 20:15	28.7
01/02/2008 20:30	27.52
01/02/2008 20:45	26.34
01/02/2008 21:00	25.17
01/02/2008 21:15	24.01
01/02/2008 21:30	23.63
01/02/2008 21:45	23.24
01/02/2008 22:00	22.48
01/02/2008 22:15	22.09
01/02/2008 22:30	21.71
01/02/2008 22:45	21.33
01/02/2008 23:00	20.95
01/02/2008 23:15	20.19
01/02/2008 23:30	20.19
01/02/2008 23:45	19.81
01/03/2008 00:00	19.42
01/03/2008 00:15	19.42
01/03/2008 00:30	19.42
01/03/2008 00:45	19.04
01/03/2008 01:00	18.66
01/03/2008 01:15	18.28
01/03/2008 01:30	17.52
01/03/2008 01:45	17.52
01/03/2008 02:00	17.14
01/03/2008 02:15	16.76
01/03/2008 02:30	16.76

01/03/2008 02:45	16.38
01/03/2008 03:00	16.38
01/03/2008 03:15	16.38
01/03/2008 03:30	16
01/03/2008 03:45	15.62
01/03/2008 04:00	15.23
01/03/2008 04:15	15.23
01/03/2008 04:30	14.85
01/03/2008 04:45	14.85
01/03/2008 05:00	14.47
01/03/2008 05:15	14.09
01/03/2008 05:30	14.09
01/03/2008 05:45	14.09
01/03/2008 06:00	13.7
01/03/2008 06:15	13.32
01/03/2008 06:30	12.93
01/03/2008 06:45	12.93
01/03/2008 07:00	13.32
01/03/2008 07:15	14.09
01/03/2008 07:30	15.62
01/03/2008 07:45	16.76
01/03/2008 08:00	19.04
01/03/2008 08:15	17.14
01/03/2008 08:30	16.38
01/03/2008 08:45	17.14
01/03/2008 09:00	17.9
01/03/2008 09:15	18.28
01/03/2008 09:30	19.04
01/03/2008 09:45	20.19
01/03/2008 10:00	22.09
01/03/2008 10:15	23.63
01/03/2008 10:30	26.34
01/03/2008 10:45	29.5
01/03/2008 11:00	33.17
01/03/2008 11:15	36.57
01/03/2008 11:30	40.59
01/03/2008 11:45	44.4
01/03/2008 12:00	47.96
01/03/2008 12:15	50.66
01/03/2008 12:30	53.53
01/03/2008 12:45	54.74
01/03/2008 13:00	55.97
01/03/2008 13:15	57.89
01/03/2008 13:30	57.89
01/03/2008 13:45	56.6
01/03/2008 14:00	59.22
01/03/2008 14:15	61.29

01/03/2008 14:30	62.01
01/03/2008 14:45	61.29
01/03/2008 15:00	60.59
01/03/2008 15:15	59.9
01/03/2008 15:30	59.9
01/03/2008 15:45	61.29
01/03/2008 16:00	62.01
01/03/2008 16:15	62.01
01/03/2008 16:30	59.22
01/03/2008 16:45	57.89
01/03/2008 17:00	57.24
01/03/2008 17:15	57.24
01/03/2008 17:30	57.24
01/03/2008 17:45	54.74
01/03/2008 18:00	51.22
01/03/2008 18:15	45.39
01/03/2008 18:30	41.99
01/03/2008 18:45	42.46
01/03/2008 19:00	43.91
01/03/2008 19:15	42.94
01/03/2008 19:30	40.59
01/03/2008 19:45	37.88
01/03/2008 20:00	34.85
01/03/2008 20:15	31.93
01/03/2008 20:30	29.9
01/03/2008 20:45	27.52
01/03/2008 21:00	25.17
01/03/2008 21:15	22.86
01/03/2008 21:30	21.33
01/03/2008 21:45	21.71
01/03/2008 22:00	22.09
01/03/2008 22:15	22.09
01/03/2008 22:30	21.71
01/03/2008 22:45	21.71
01/03/2008 23:00	21.33
01/03/2008 23:15	21.33
01/03/2008 23:30	21.33
01/03/2008 23:45	20.95
01/04/2008 00:00	20.57
01/04/2008 00:15	20.57
01/04/2008 00:30	20.19
01/04/2008 00:45	20.19
01/04/2008 01:00	19.81
01/04/2008 01:15	19.42
01/04/2008 01:30	19.42
01/04/2008 01:45	19.42
01/04/2008 02:00	19.42

01/04/2008 02:15	19.04
01/04/2008 02:30	18.66
01/04/2008 02:45	18.66
01/04/2008 03:00	18.28
01/04/2008 03:15	17.9
01/04/2008 03:30	17.9
01/04/2008 03:45	17.52
01/04/2008 04:00	17.14
01/04/2008 04:15	17.14
01/04/2008 04:30	16.76
01/04/2008 04:45	16.38
01/04/2008 05:00	16.38
01/04/2008 05:15	16
01/04/2008 05:30	16
01/04/2008 05:45	16
01/04/2008 06:00	16
01/04/2008 06:15	16
01/04/2008 06:30	16
01/04/2008 06:45	16
01/04/2008 07:00	16.76
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01/04/2008 10:00	27.91
01/04/2008 10:15	29.9
01/04/2008 10:30	32.34
01/04/2008 10:45	34.85
01/04/2008 11:00	37.88
01/04/2008 11:15	41.05
01/04/2008 11:30	44.89
01/04/2008 11:45	48.49
01/04/2008 12:00	50.66
01/04/2008 12:15	53.53
01/04/2008 12:30	55.35
01/04/2008 12:45	56.6
01/04/2008 13:00	57.24
01/04/2008 13:15	58.55
01/04/2008 13:30	59.22
01/04/2008 13:45	59.22

01/04/2008 14:00	59.9
01/04/2008 14:15	60.59
01/04/2008 14:30	62.01
01/04/2008 14:45	62.74
01/04/2008 15:00	62.74
01/04/2008 15:15	63.48
01/04/2008 15:30	63.48
01/04/2008 15:45	62.74
01/04/2008 16:00	62.74
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01/04/2008 22:00	26.34
01/04/2008 22:15	25.95
01/04/2008 22:30	25.56
01/04/2008 22:45	25.56
01/04/2008 23:00	25.17
01/04/2008 23:15	25.17
01/04/2008 23:30	25.17
01/04/2008 23:45	25.17
01/05/2008 00:00	24.79
01/05/2008 00:15	24.4
01/05/2008 00:30	24.79
01/05/2008 00:45	24.4
01/05/2008 01:00	24.4
01/05/2008 01:15	24.01
01/05/2008 01:30	24.01

01/05/2008 01:45	23.63
01/05/2008 02:00	23.63
01/05/2008 02:15	23.63
01/05/2008 02:30	23.24
01/05/2008 02:45	23.24
01/05/2008 03:00	22.86
01/05/2008 03:15	22.86
01/05/2008 03:30	21.71
01/05/2008 03:45	21.71
01/05/2008 04:00	21.33
01/05/2008 04:15	20.57
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01/05/2008 08:00	25.17
01/05/2008 08:15	24.01
01/05/2008 08:30	23.63
01/05/2008 08:45	24.01
01/05/2008 09:00	25.17
01/05/2008 09:15	25.56
01/05/2008 09:30	26.34
01/05/2008 09:45	27.12
01/05/2008 10:00	28.7
01/05/2008 10:15	31.12
01/05/2008 10:30	34.01
01/05/2008 10:45	37.44
01/05/2008 11:00	41.05
01/05/2008 11:15	44.89
01/05/2008 11:30	48.49
01/05/2008 11:45	51.79
01/05/2008 12:00	55.35
01/05/2008 12:15	57.89
01/05/2008 12:30	59.9
01/05/2008 12:45	60.59
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01/05/2008 13:45	66.6
01/05/2008 14:00	66.6
01/05/2008 14:15	68.25
01/05/2008 14:30	67.42
01/05/2008 14:45	67.42
01/05/2008 15:00	69.11
01/05/2008 15:15	69.11

leaf-cutting ant *Acromyrmex lobicornis*
measured by HOBOS thermocouples