

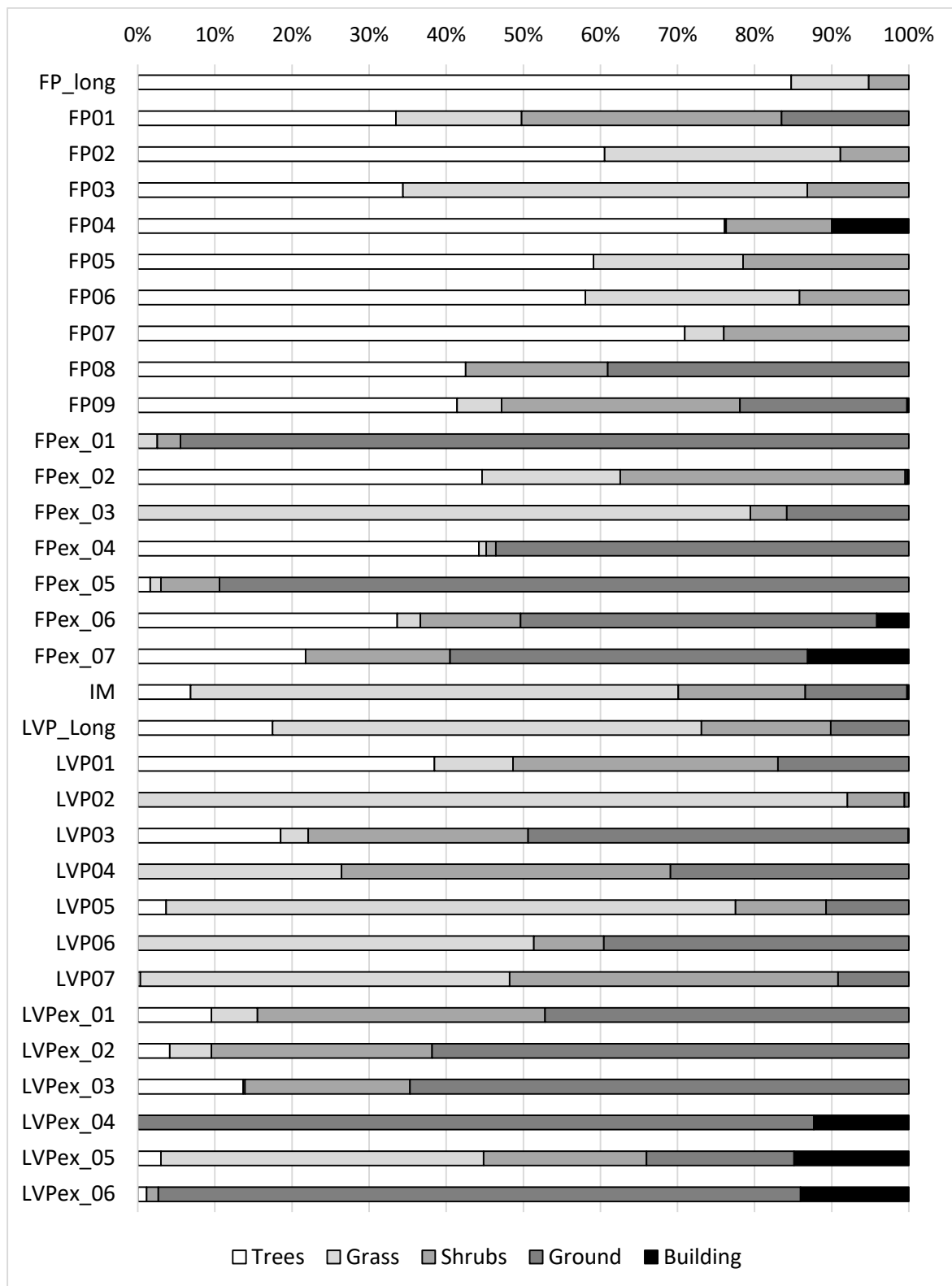
## Supplementary Material 1

to ‘Kraemer & Kabisch 2022. Parks under stress: air temperature regulation of urban green spaces under conditions of drought and summer heat.’

### Details on data loggers and temperature measurements



**Figure S1.1.** Location of air temperature sensors with respective IDs. For colour scheme of the base map please refer to Figure 2 in the main article.



**Figure S1.2.** Land cover composition in a 10-m radius around air temperature sensors, in percentage.

**Table S1.1.** Hourly air temperature data in °C measured from 6:00 on June 30<sup>th</sup> (T0) to 6:00 on July 1<sup>st</sup> (T24) 2019 by respective sensors (cf. IDs on map above). Full data is available for download under <https://doi.org/10.5281/zenodo.5148570>.

SensorID	T0	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24
FP_long	18.7	21.2	23.3	26.8	29.2	31.3	33.1	36.1	36.3	36.2	37.1	37.9	38.0	35.9	34.6	32.3	28.8	27.1	28.4	26.9	24.5	23.2	22.0	20.6	21.4
FP01	18.8	20.8	22.7	26.0	29.3	32.3	34.5	35.7	36.0	37.6	38.0	37.6	36.9	35.9	34.8	32.9	29.2	28.7	28.7	27.2	24.9	23.5	21.9	21.1	21.6
FP02	19.8	21.2	23.0	26.4	29.6	31.3	32.7	34.8	36.7	37.9	37.7	38.1	37.3	36.3	35.2	33.3	30.7	29.8	28.6	27.1	24.9	23.5	22.2	21.3	21.6
FP03	18.8	20.8	23.0	27.3	30.9	33.4	34.6	36.7	36.9	37.7	38.8	38.5	37.6	36.7	34.4	32.3	29.3	28.1	28.3	27.0	24.7	23.3	22.1	21.3	21.5
FP04	19.6	21.8	23.5	26.7	29.5	31.2	32.9	34.2	35.1	36.2	36.9	37.1	37.0	36.2	35.2	33.3	29.4	27.5	28.6	27.2	24.9	23.6	22.8	21.6	21.7
FP05	18.5	20.9	22.8	26.2	29.5	32.2	33.1	34.6	36.1	36.6	37.4	38.0	38.1	37.2	34.8	33.2	29.5	28.2	28.5	26.9	24.7	23.2	21.9	21.0	21.4
FP06	18.5	20.7	23.1	26.7	30.9	33.2	34.9	35.2	36.2	37.4	38.3	38.4	37.0	37.0	34.0	32.1	28.8	27.2	28.1	27.0	24.8	23.3	21.7	20.8	21.4
FP07	18.8	20.3	22.5	25.9	29.0	31.4	33.1	35.2	36.5	36.9	37.3	37.6	37.5	36.4	35.1	32.9	28.5	26.7	28.7	27.2	25.0	23.5	22.8	21.9	21.6
FP08	18.8	21.4	23.1	26.5	31.0	32.3	35.2	36.7	37.4	37.5	38.0	38.4	37.6	36.5	35.4	34.0	28.7	27.2	29.1	27.5	25.3	23.9	22.7	22.4	21.9
FP09	18.7	20.9	23.0	26.6	30.9	32.9	34.7	36.0	37.3	37.6	37.7	37.6	37.2	36.4	35.3	33.2	29.2	27.9	28.7	27.4	25.1	23.7	22.3	21.4	21.8
FPex_01	20.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.9	29.7	28.9	27.3	25.1	23.7	22.6	21.8	22.5
FPex_02	-	-	-	-	-	35.6	36.4	36.4	36.7	37.4	37.9	37.8	37.2	36.2	34.8	32.6	29.5	27.4	28.4	27.4	25.3	23.9	22.7	21.9	22.7
FPex_03	19.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.5	28.2	28.9	27.6	25.4	24.0	22.9	22.1	22.2
FPex_04	20.4	21.8	-	-	-	-	-	-	-	38.2	38.3	38.8	38.4	37.6	35.8	33.6	31.0	29.9	29.0	27.5	25.3	24.0	23.1	22.2	22.5
FPex_05	19.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.3	27.9	28.9	27.4	25.2	23.8	22.8	22.1	22.3
FPex_06	20.3	21.9	-	-	-	-	-	-	-	-	-	38.4	37.8	36.8	35.6	33.7	30.3	28.8	29.1	27.7	25.5	24.2	23.3	22.8	22.6
FPex_07	20.2	22.0	-	-	-	-	-	36.4	36.7	37.3	37.8	38.1	37.3	36.4	35.5	33.7	30.7	29.1	29.0	27.5	25.2	24.0	23.2	22.6	22.3
IM	19.3	23.1	25.5	29.0	30.4	32.8	34.0	34.9	36.4	37.4	38.2	38.2	37.3	36.3	34.8	33.0	29.8	29.3	28.3	26.9	24.7	23.2	22.4	21.8	21.4
LVP_Long	19.5	23.0	24.9	29.3	31.6	33.6	34.8	36.8	38.2	38.5	38.5	39.7	38.6	37.3	34.9	32.7	28.9	28.3	28.3	26.7	24.8	23.1	21.9	21.2	21.3
LVP01	19.8	22.4	23.6	26.7	29.5	31.5	33.0	34.9	35.9	38.6	39.1	39.1	37.1	36.2	35.4	33.7	29.0	27.9	28.0	27.0	25.0	23.5	22.1	21.6	21.7
LVP02	19.3	21.9	25.3	28.3	30.7	32.7	34.0	35.6	36.3	38.2	38.7	38.9	38.2	37.1	35.9	33.6	28.3	27.2	28.7	27.0	24.9	23.5	22.4	21.6	21.6
LVP03	18.3	21.1	23.8	27.1	-	-	34.4	35.9	36.5	37.5	38.8	39.5	38.1	36.6	35.5	33.8	30.0	28.7	29.0	27.4	25.1	23.8	22.8	21.8	21.9
LVP04	19.5	21.2	24.1	27.4	30.9	33.4	34.2	36.2	38.0	39.2	39.6	39.3	38.6	37.6	35.8	33.4	29.8	28.7	28.8	27.3	25.0	23.7	22.5	21.7	21.7
LVP05	19.7	22.7	24.9	28.0	30.9	32.0	33.4	35.6	37.3	38.6	38.6	39.0	38.3	36.5	35.2	33.5	29.4	28.8	28.8	27.3	25.0	23.7	22.5	21.9	21.8
LVP06	20.2	22.6	25.1	28.5	31.3	33.0	34.3	36.2	37.6	37.4	38.3	38.8	37.5	37.2	35.9	33.7	29.6	28.4	29.0	27.4	25.0	23.7	22.4	21.9	21.8
LVP07	19.9	21.5	23.8	27.8	30.8	32.7	35.1	36.2	37.6	38.9	39.2	39.4	37.4	36.1	34.6	32.7	29.5	28.3	28.6	27.1	25.0	23.7	22.4	21.5	21.7
LVPex_01	19.8	21.2	-	-	-	-	-	-	-	39.0	39.1	39.4	38.5	36.9	35.8	33.4	30.5	29.1	28.8	27.4	25.5	24.0	22.9	21.9	22.2
LVPex_02	19.9	21.3	24.5	27.7	31.3	33.6	34.8	36.1	38.2	39.3	-	-	39.6	37.7	36.4	34.6	31.7	30.0	29.4	27.8	25.6	24.3	23.2	22.5	22.2
LVPex_03	19.5	-	-	-	-	-	-	-	-	37.8	38.5	-	37.8	-	35.9	33.2	29.4	27.8	28.6	26.9	24.9	23.4	22.3	21.5	22.3
LVPex_04	20.6	-	-	-	-	-	-	-	-	-	37.7	38.3	37.6	36.7	35.6	33.7	31.2	29.5	29.1	27.6	25.3	24.1	23.2	22.4	22.4
LVPex_05	19.3	-	-	-	-	-	-	-	-	-	-	-	38.0	36.7	35.1	32.9	29.1	27.2	28.4	27.1	25.0	23.4	22.4	21.3	21.8
LVPex_06	20.0	21.3	-	-	-	-	-	-	-	-	-	-	-	-	-	33.8	30.8	29.4	28.9	27.3	25.2	23.8	22.8	22.1	22.6