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nexus

Supplementary Information for

Regional Variation in the Role of Humidity on City-level Heat-Related Mortality

Qiang Guo* *et al.*

*Corresponding author, E-mail: qiang@rainbow.iis.u-tokyo.ac.jp

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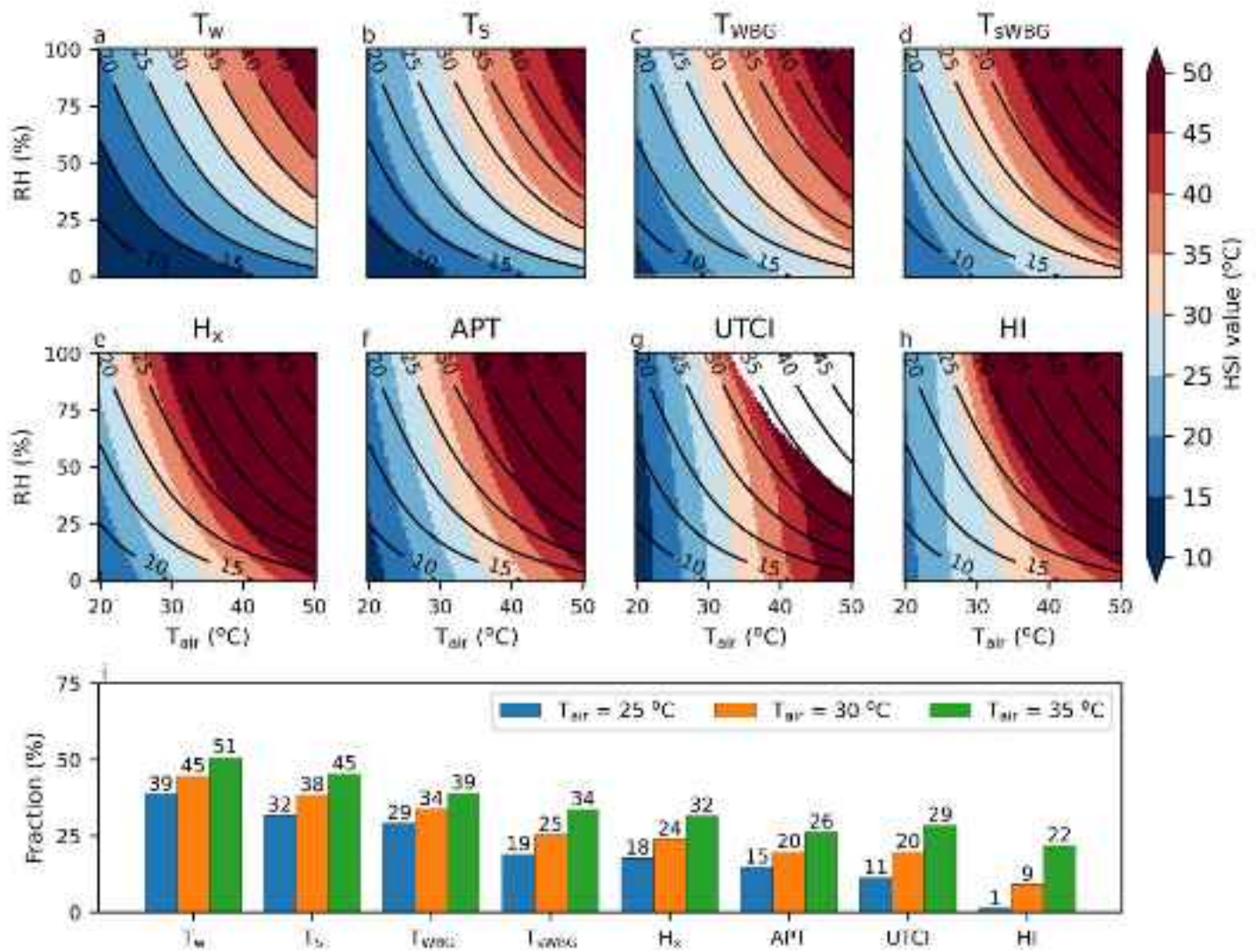


Fig. S1 | The sensitivity of 8 heat stress indicators (HSIs) to change in air temperature (T_{air} , °C) and relative humidity (RH, %). a-h, The shaded color represents the value of the corresponding HSI, and the contour represents the reference value of T_w , which is most sensitive to change in RH. The 8 HSIs are listed in descending order of the sensitivity to RH (from a to h: T_w (most sensitive to RH) to HI (least sensitive to RH)). The white region of UTCI (g) is due to the computational formula⁶⁴ requiring a vapor pressure of less than 5 kPa. i, The changes in the indicators at $T_{air} = 25^\circ\text{C}$, 30°C , and 35°C for RH ranging from 0 to 100%. To compare and standardize the variation of the indicators, we divided the changes by the total range of the corresponding indicator at RH: 0-100% and T_{air} : 20-50°C.

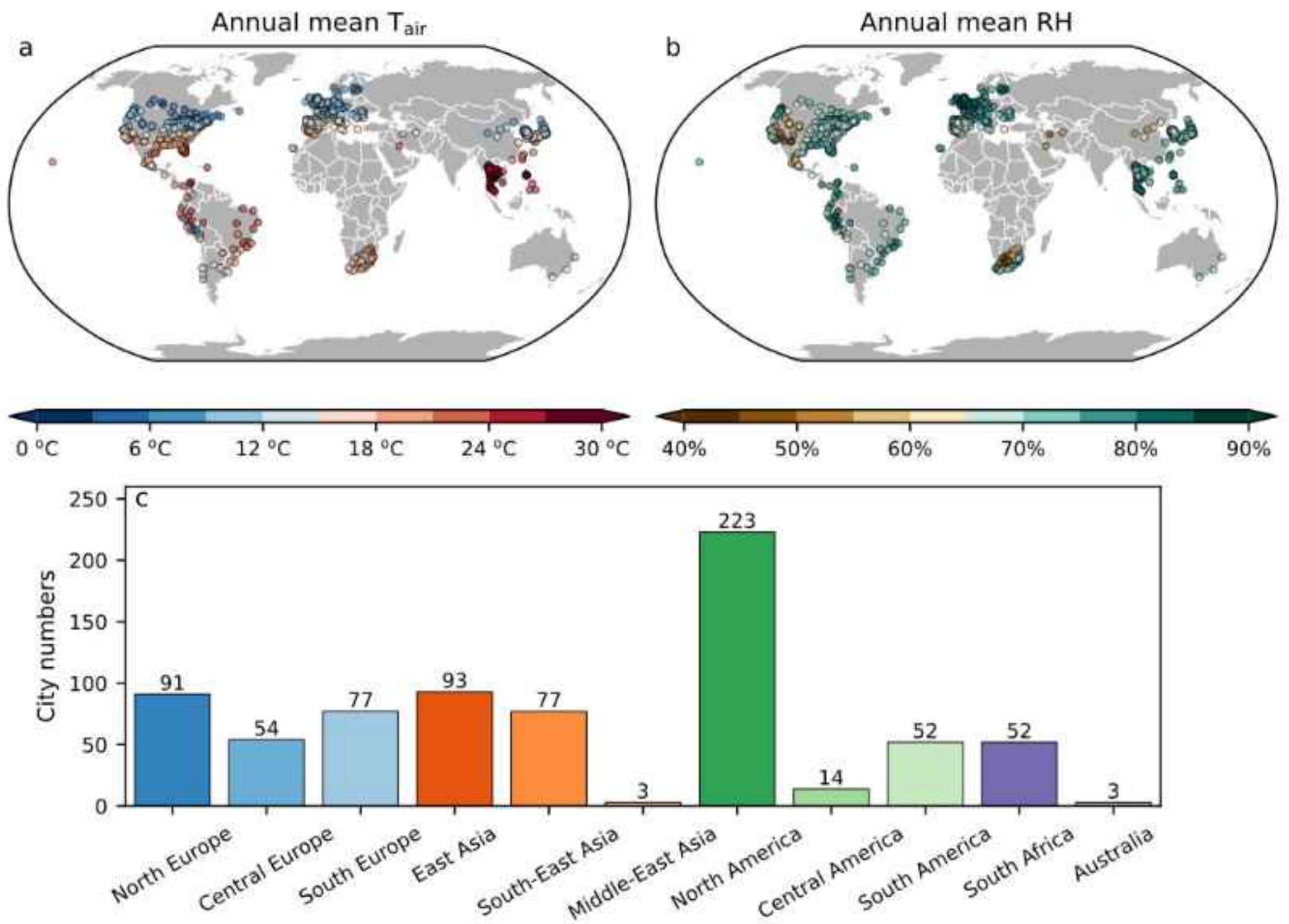


Fig. S2 | Basic information of the 739 MCC locations. a,b, The annual mean air temperature (T_{air}) and relative humidity (RH) for 739 MCC cities calculated from ERA5 data between 1980-2019. **c,** The city numbers in each region.

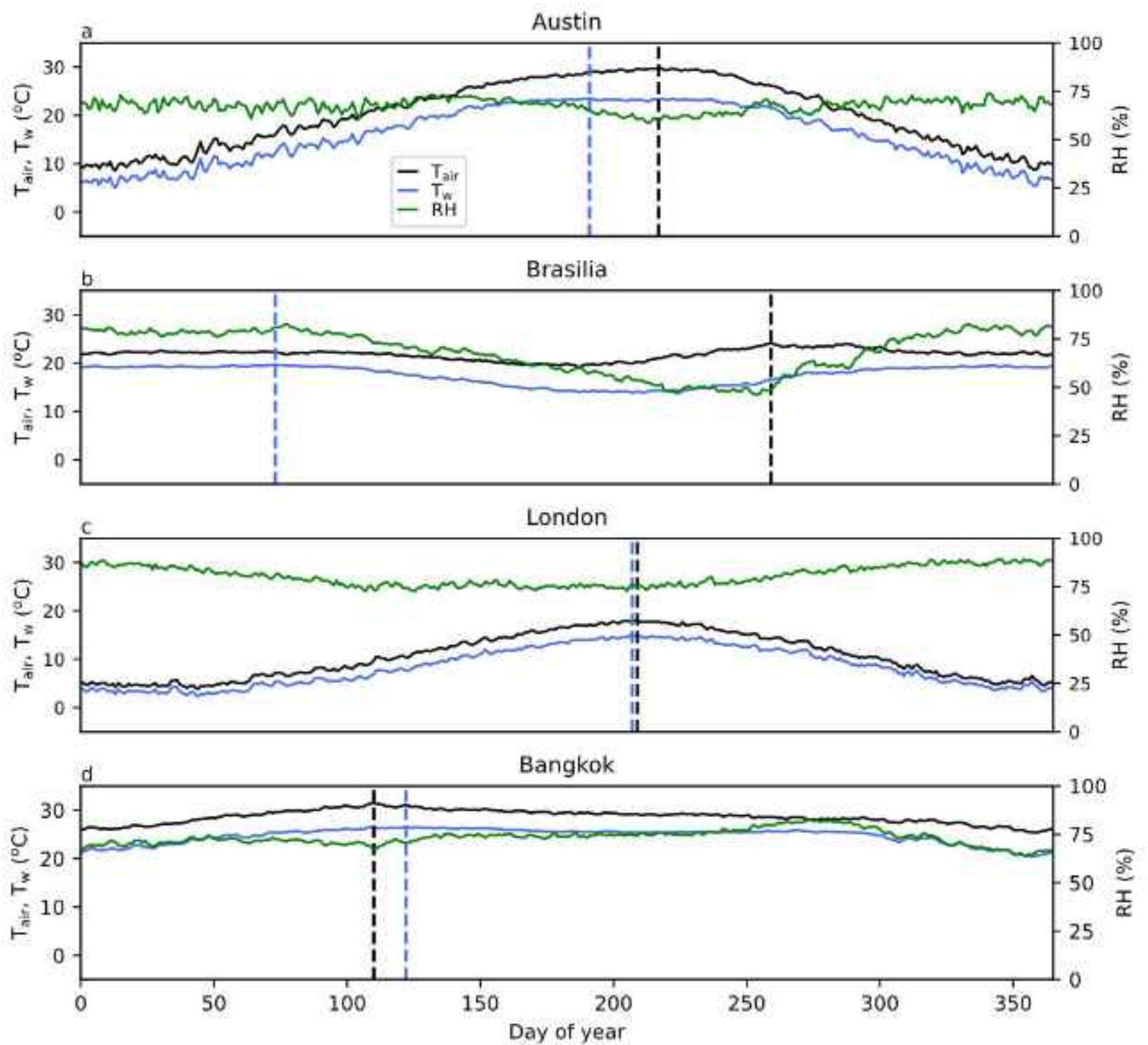


Fig. S3 | Multi-year (1980-2019) averaged intra-annual variation of air temperature (T_{air} , °C), wet bulb temperature (T_w , °C), and relative humidity (RH, %) of Austin (a), Brasilia (b), London (c), and Bangkok (d). The solid lines in black, blue, and green represent the time series of T_{air} , T_w , and RH, respectively. The dashed lines in black and blue represent the time (day of the year) when T_{air} and T_w reach the annual peak, respectively

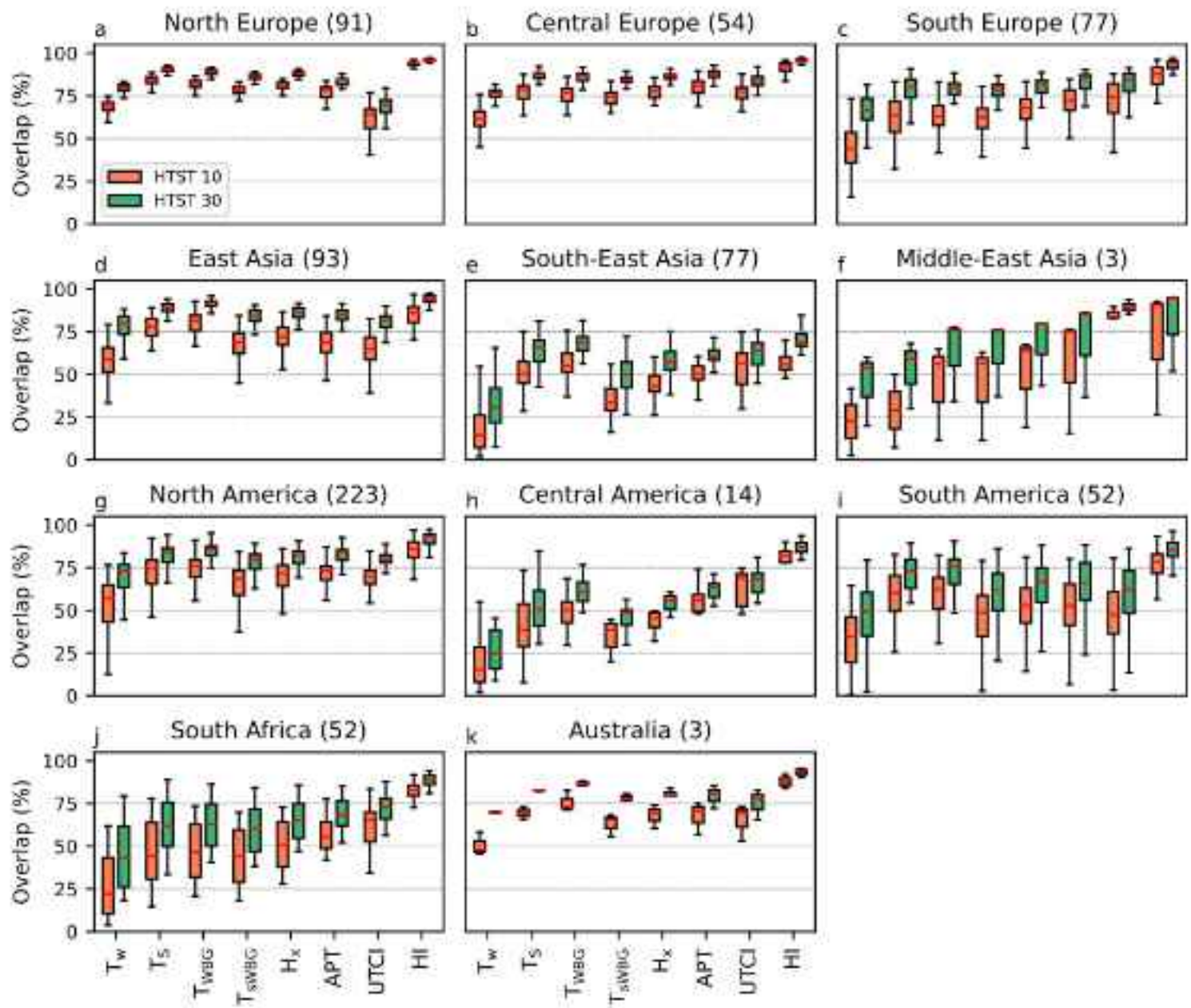


Fig. S4 | The overlap rate (%) of the annual hottest 10 days (HTST 10) and hottest 30 days (HTST 30) between T_{air} and each HSI for 739 MCC cities located in different regions between 1980-2019. The number in the bracket indicates the number of cities in this region. The box extends from the data's first to the third quartile, with the red line indicating the median.

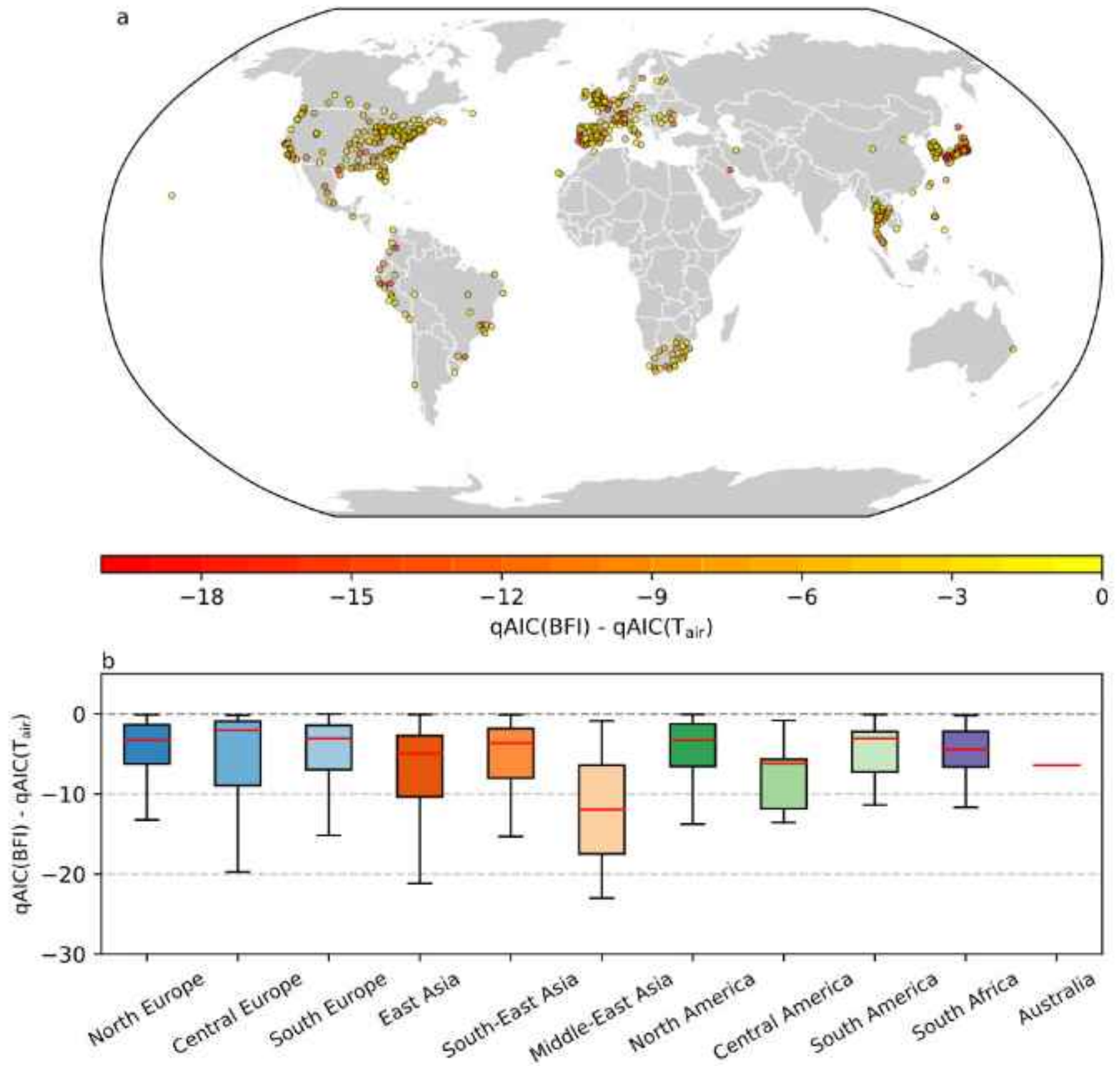


Fig. S5 | The qAIC difference between the best-fit indicator (BFI) and air temperature (T_{air}) for 517 cities whose BFI is one of HSIs. a, The spatial distribution of the qAIC difference between BFI and T_{air} for 517 cities. b, The averaged qAIC difference between BFI and T_{air} for cities in each region. The results are based on the daily mean value of the indicators. The box extends from the data's first to the third quartile, with the red line indicating the median.

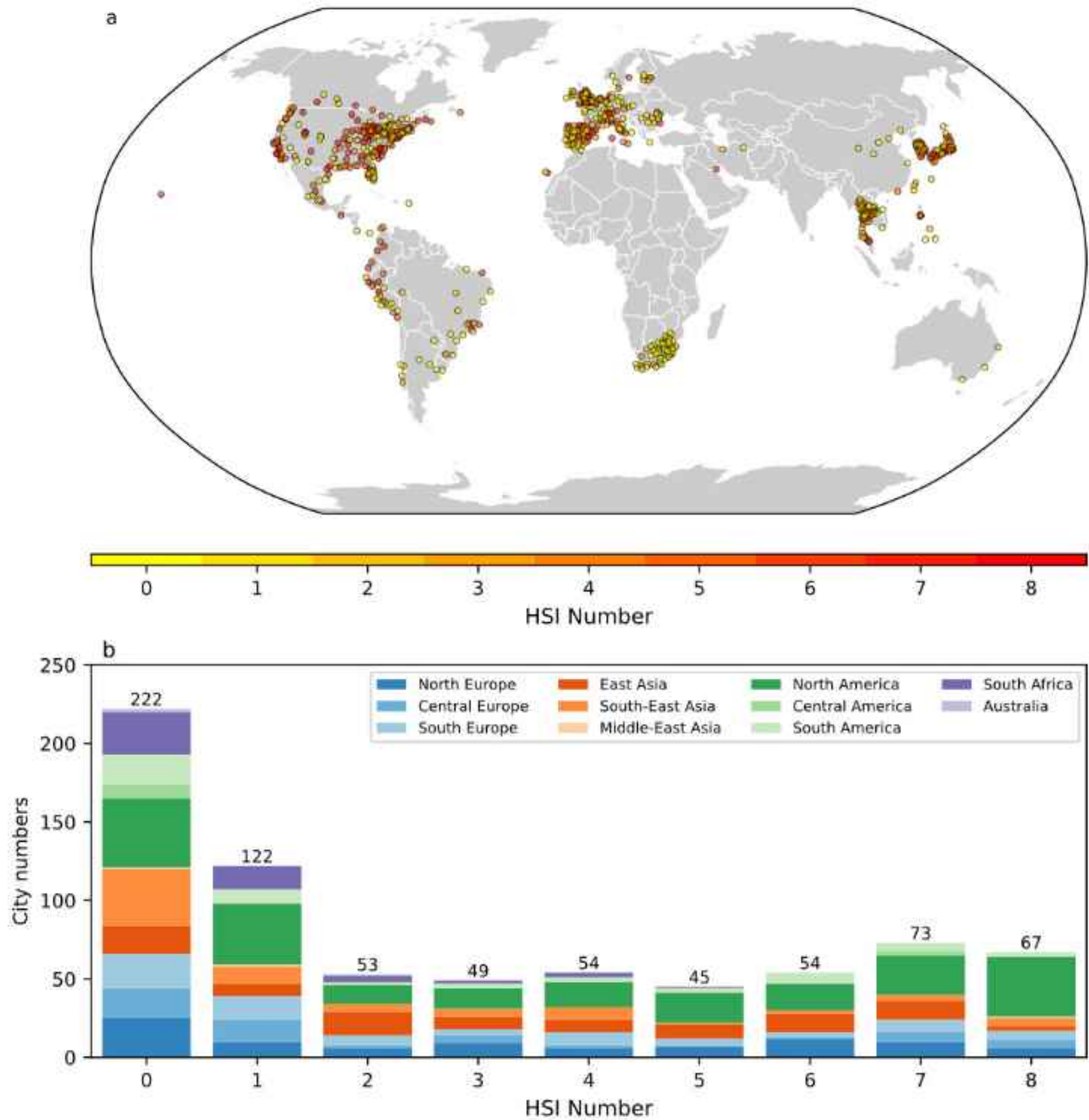


Fig. S6 | The number of HSIs that have lower qAIC than T_{air} for 739 cities. a, The spatial distribution of the number of HSIs that have lower qAIC than T_{air} . **b,** The number of cities under each group where the number of HSIs have a lower qAIC than T_{air} . The results are based on the daily mean value of the indicators.

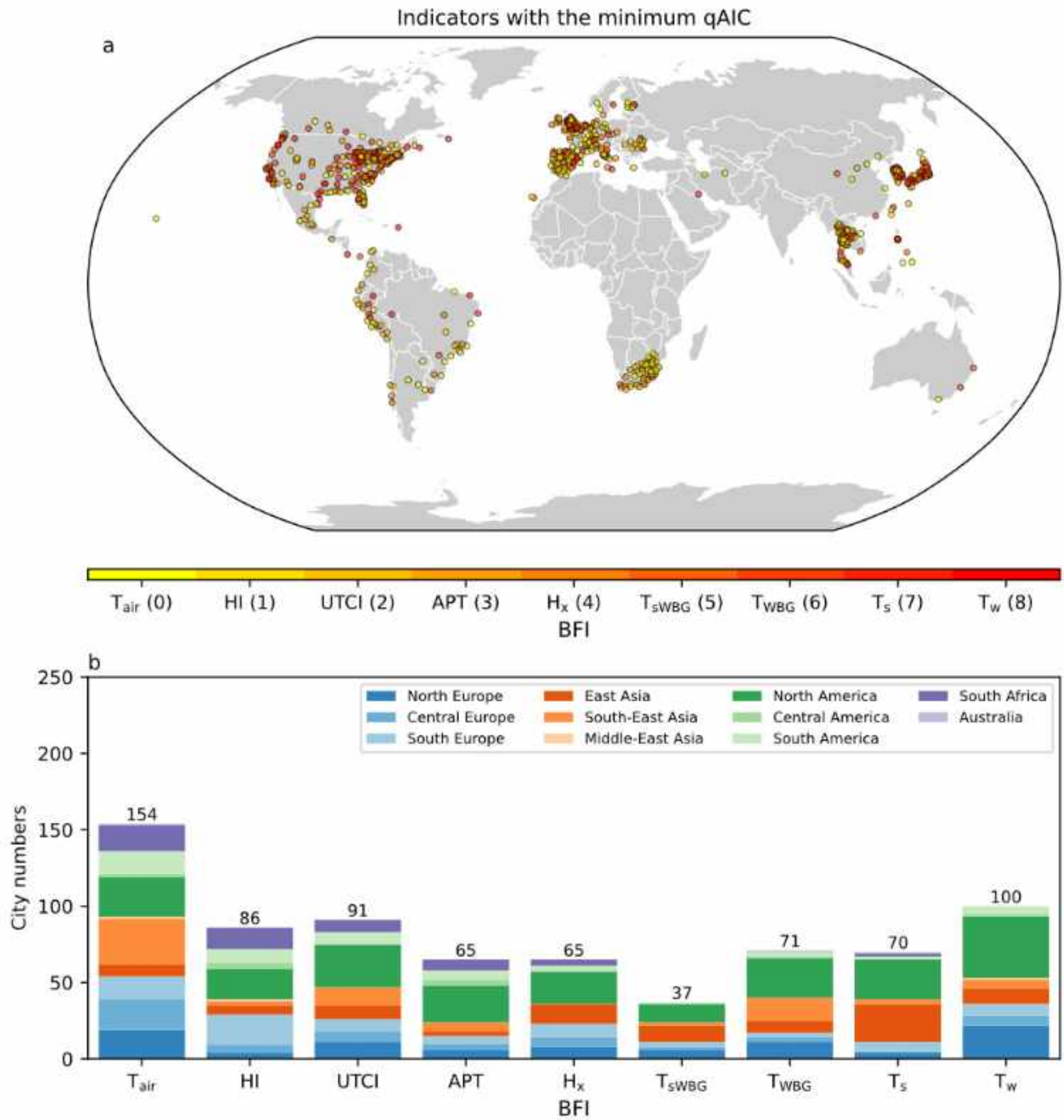


Fig. S7 | Similar to Fig. 3 in the main text but based on the daily maximum value of HSIs.

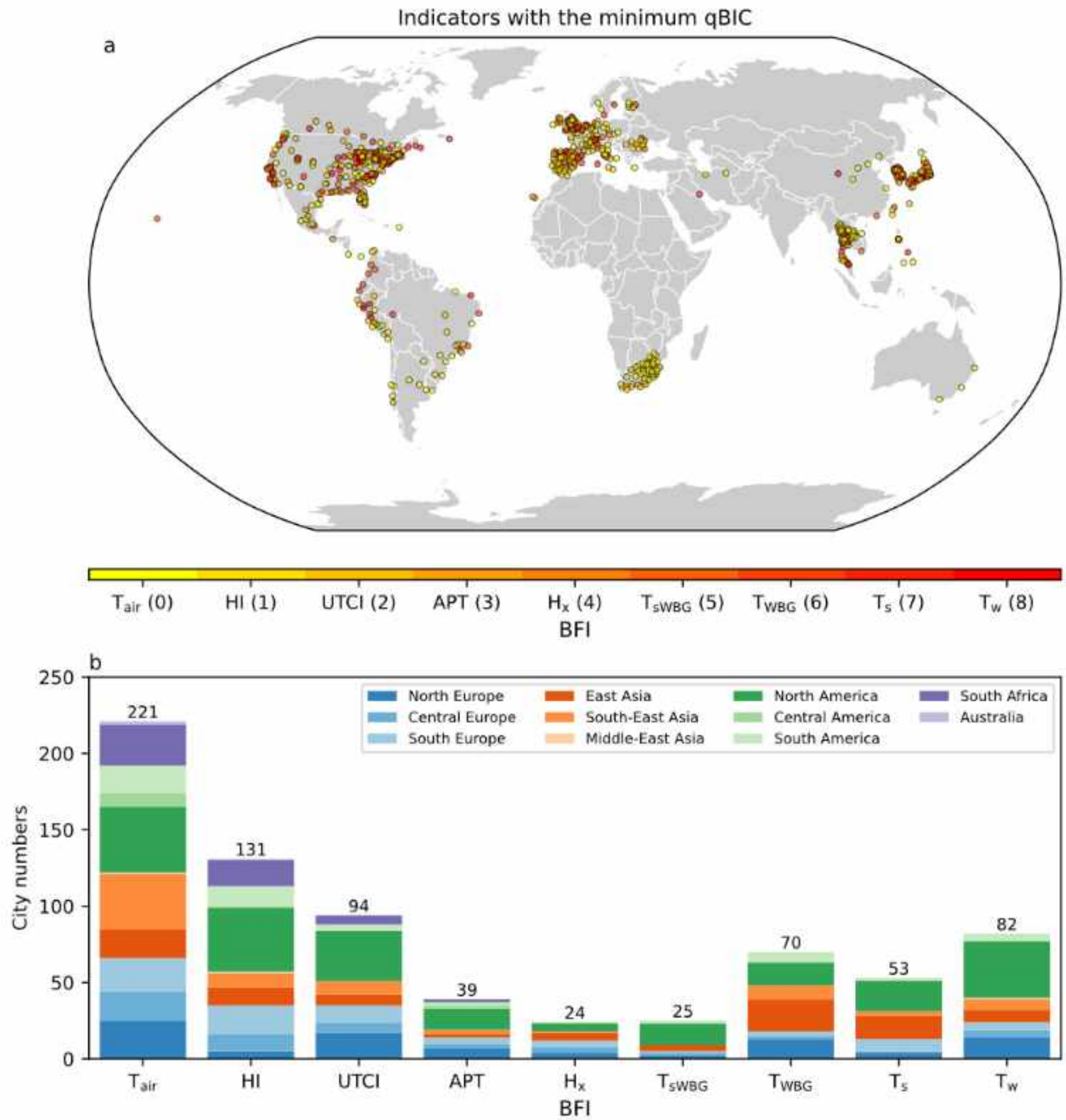


Fig. S8 | Similar to Fig. 3 in the main text but using quasi-Bayesian information criterion (qBIC) to measure the fitness of the model.

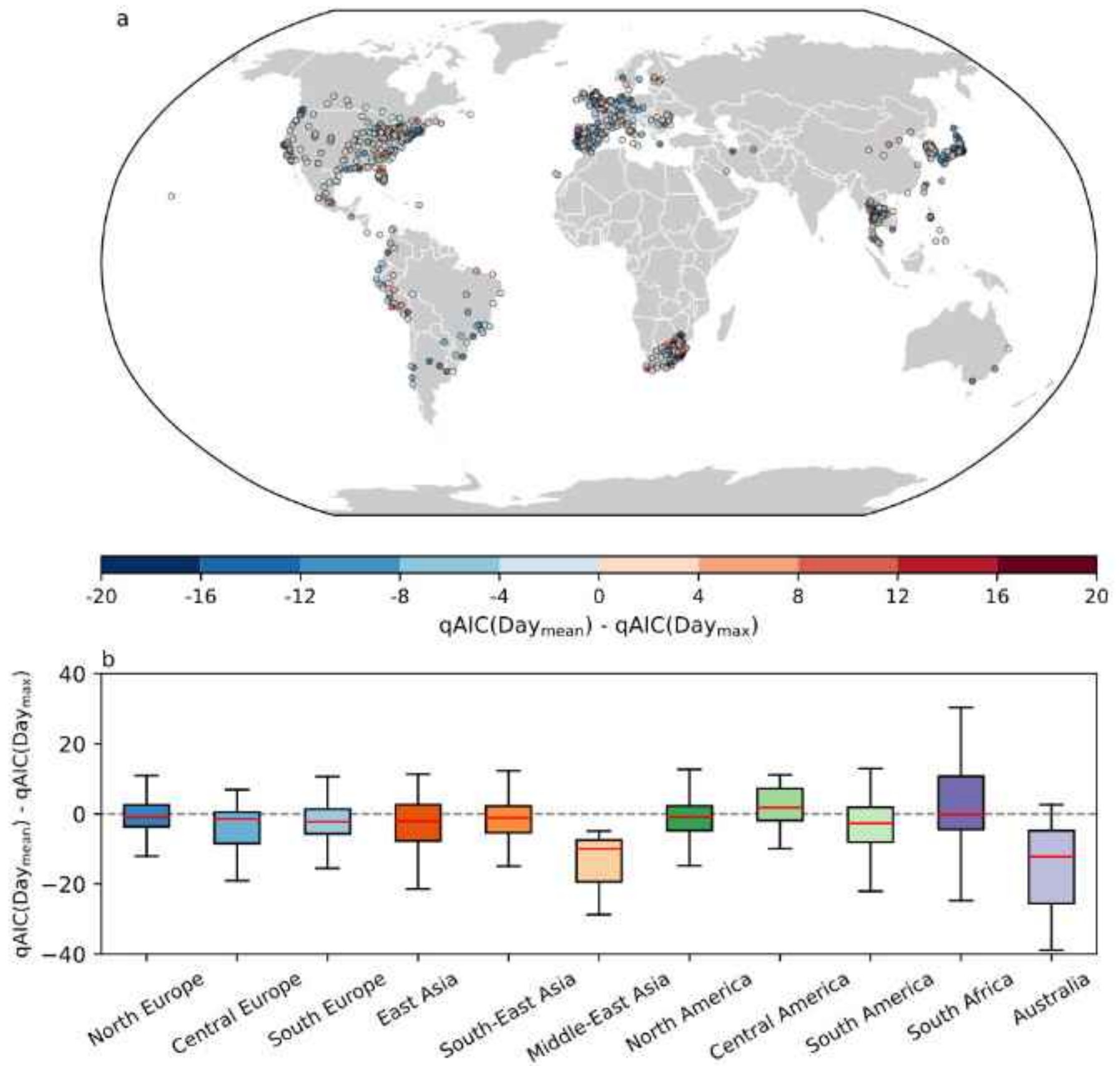


Fig. S9 | The qAIC difference of the best-fit indicators for 739 MCC cities based on daily mean value (Day_{mean}) and daily maximum value (Day_{max} , the former minus the latter). a, The spatial distribution of the qAIC difference between BFI of Day_{mean} and Day_{max} for 739 cities. b, The qAIC difference between BFI of Day_{mean} and Day_{max} in each region. The box extends from the data's first to the third quartile, with the red line indicating the median.

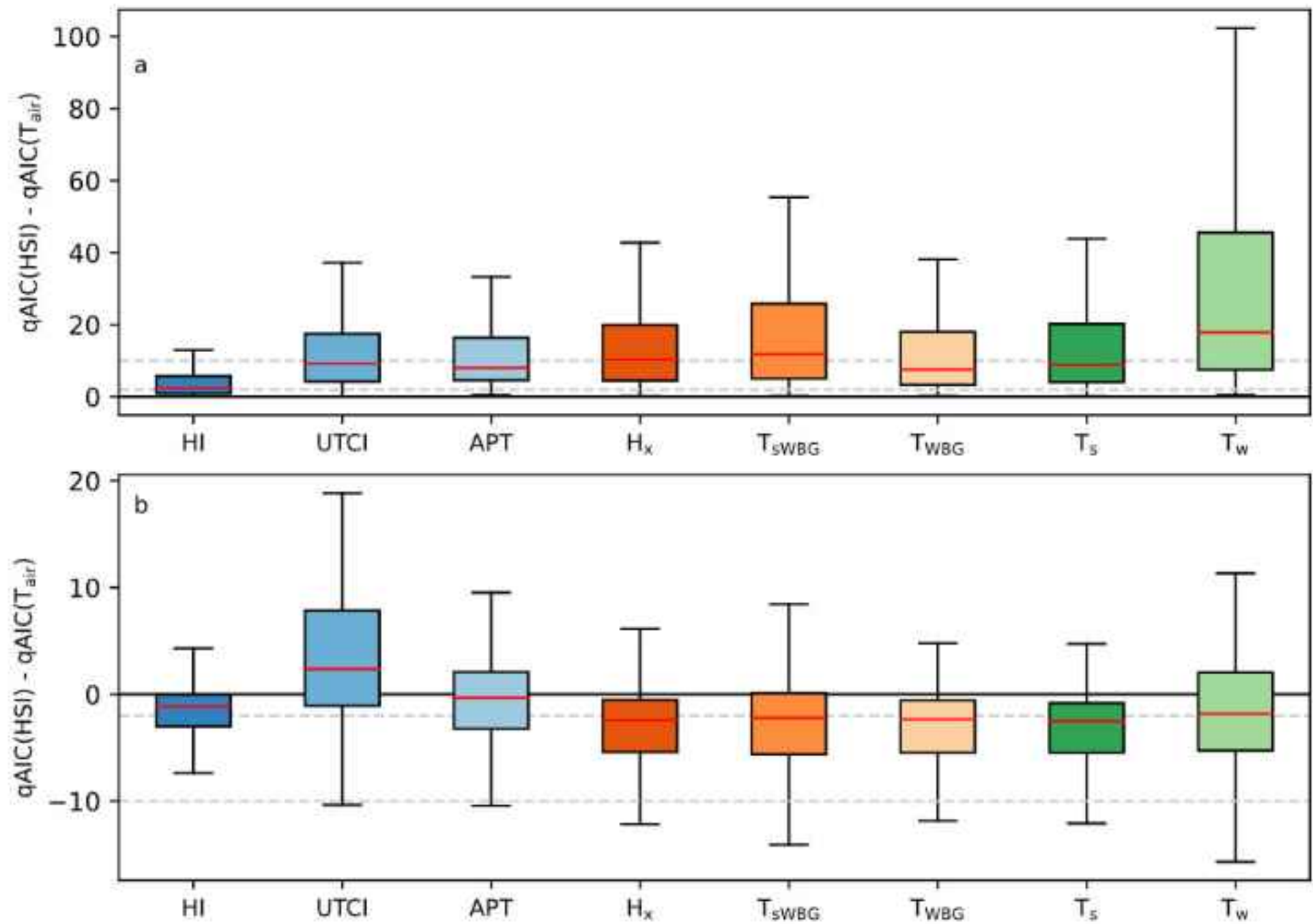


Fig. S10 | The qAIC difference between HSIs and T_{air} (the former minus the latter) for dry 222 heat-dominant cities and 231 humid heat-dominant cities. a, Results for dry heat dominant cities whose BFI is T_{air} . **b,** Results for humid heat-dominant cities whose BFI is one of T_w , T_s , T_{WBG} , or T_{sWBG} . The dashed grey line indicates the qAIC difference reaches 2 and 10. The results are based on the daily mean value of the indicators. The box extends from the data's first to the third quartile, with the red line indicating the median.

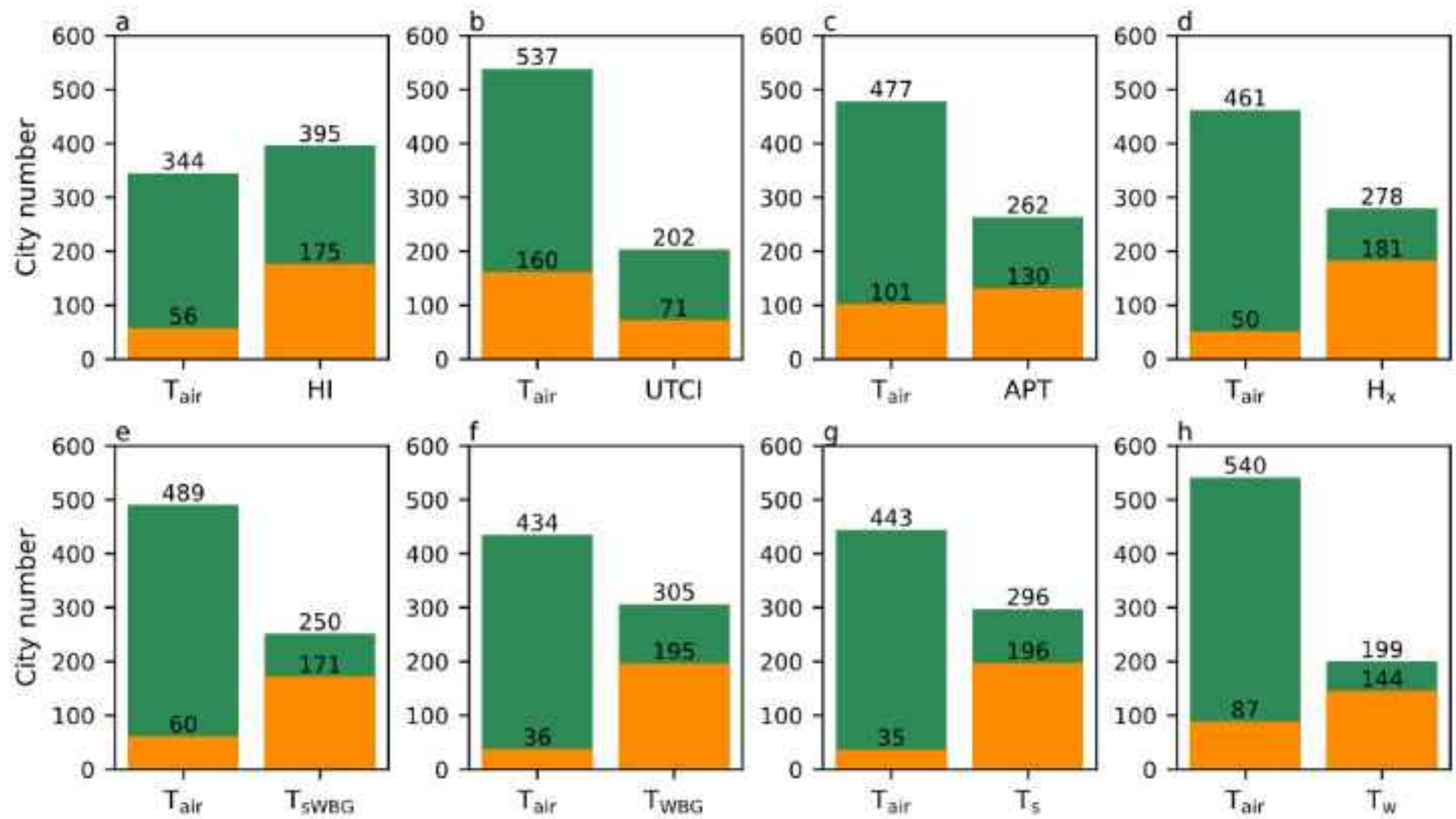


Fig. S11 | The 1 versus 1 comparison between each HSI and T_{air} (a-h), and bar indicates the number of cities the corresponding indicator performs better (with lower qAIC). The green bar is for all 739 cities, and the orange bar is for 231 humid heat dominant cities. The results are based on the daily mean value of the indicators.

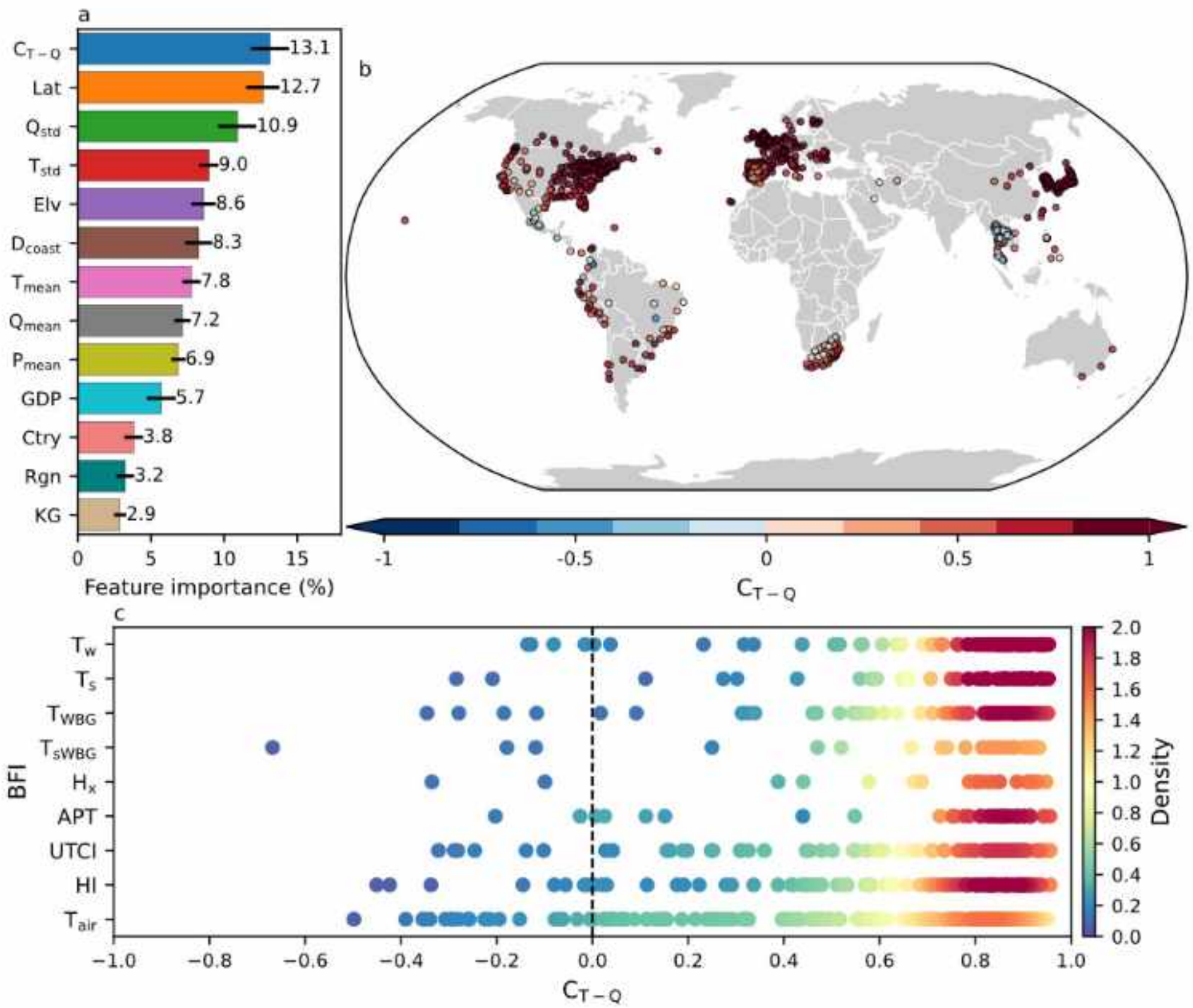


Fig. S12 | Similar to Fig. 4 but replacing relative humidity with specific humidity (Q).

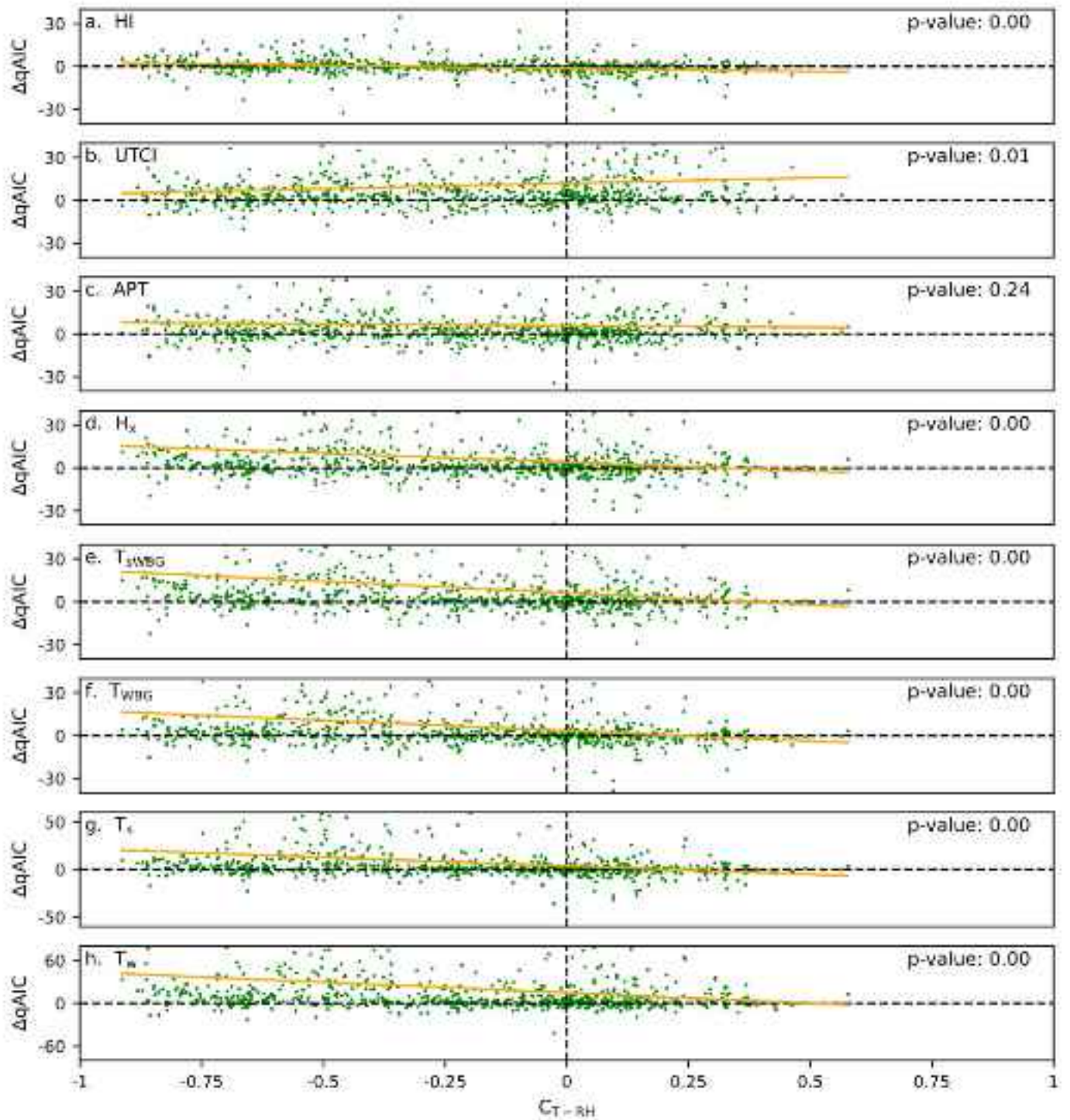


Fig. S13 | The qAIC difference between each HSI and T_{air} (the former minus the latter) for each city versus the corresponding correlation between T_{air} and RH (C_{T-RH}). a-h, Results for HI, UTCI, APT, H_x , T_{swBG} , T_{wbG} , T_s , and T_w , respectively. Each dot represents a city, and the orange line represent the linear model fitted for the dots. The corresponding p-value of the linear term of the linear model fit is shown in each box.

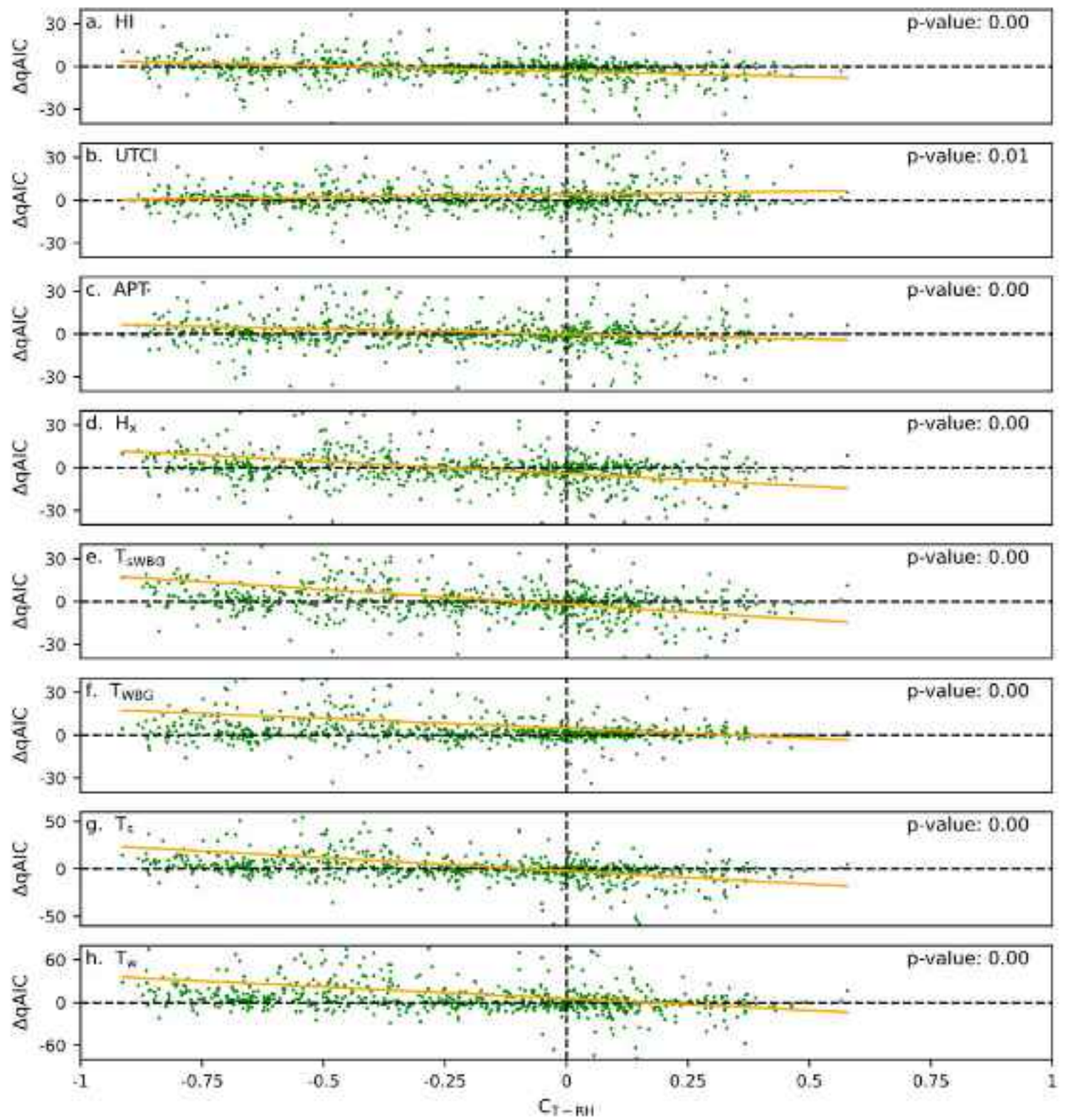


Fig. S14 | Similar to Fig. S13 but based on daily maximum value of HSIs.

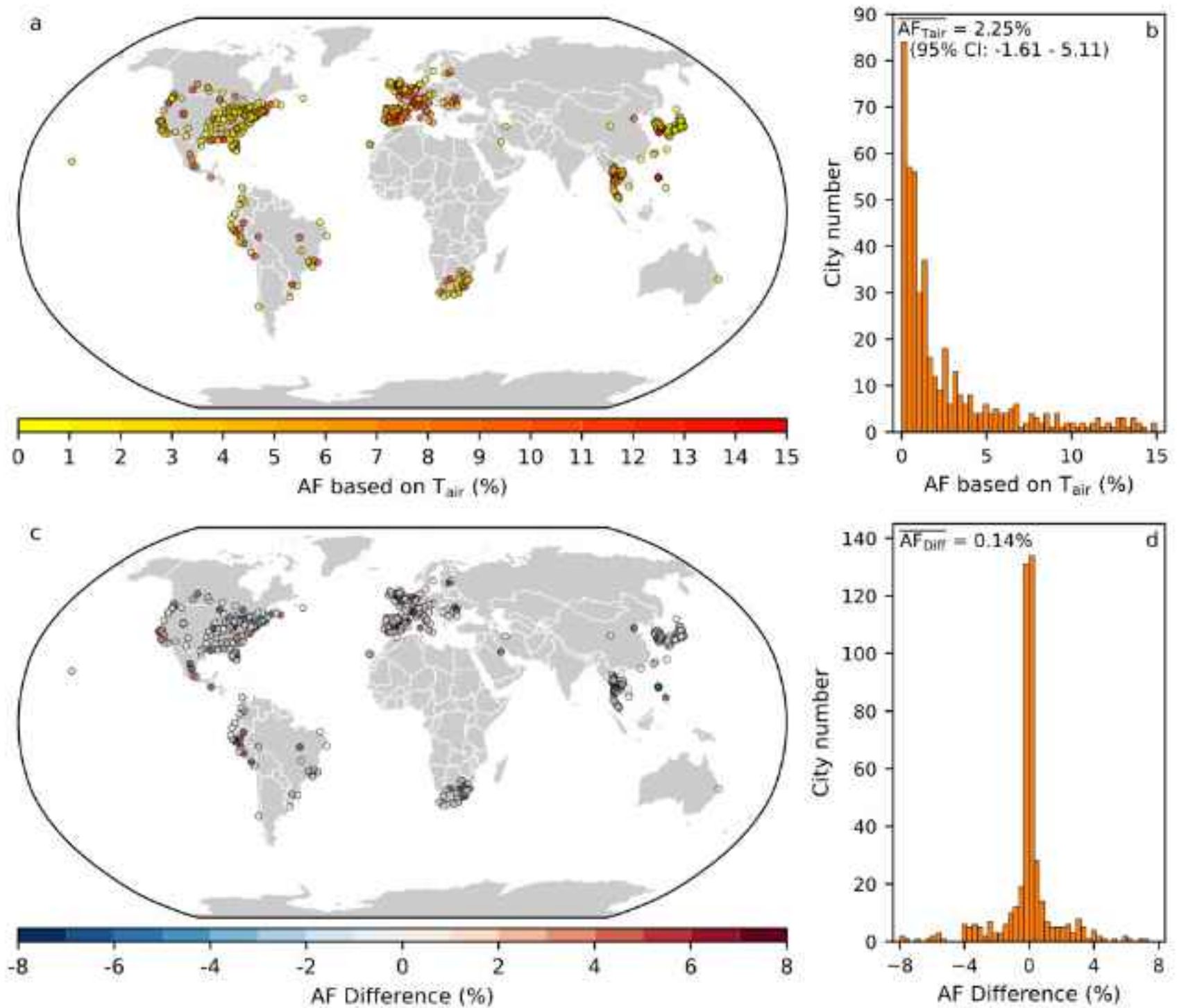


Fig. S15 | The attributable fraction (AF, %) of heat-related mortality estimated by air temperature (T_{air}) and the best-fit indicator (BFI) during the warm season for 517 cities with a HSI as BFI. a, The AF estimated by T_{air} . b, The distribution of AF estimated by T_{air} , and $\overline{AF}_{T_{air}}$ indicates the averaged AF for all 517 cities. c, The AF difference estimated by the BFI and T_{air} (the former minus the latter). d, The distribution of AF difference estimated by the BFI and T_{air} (the former minus the latter). The \overline{AF}_{Diff} indicates the averaged AF difference for all 517 cities.

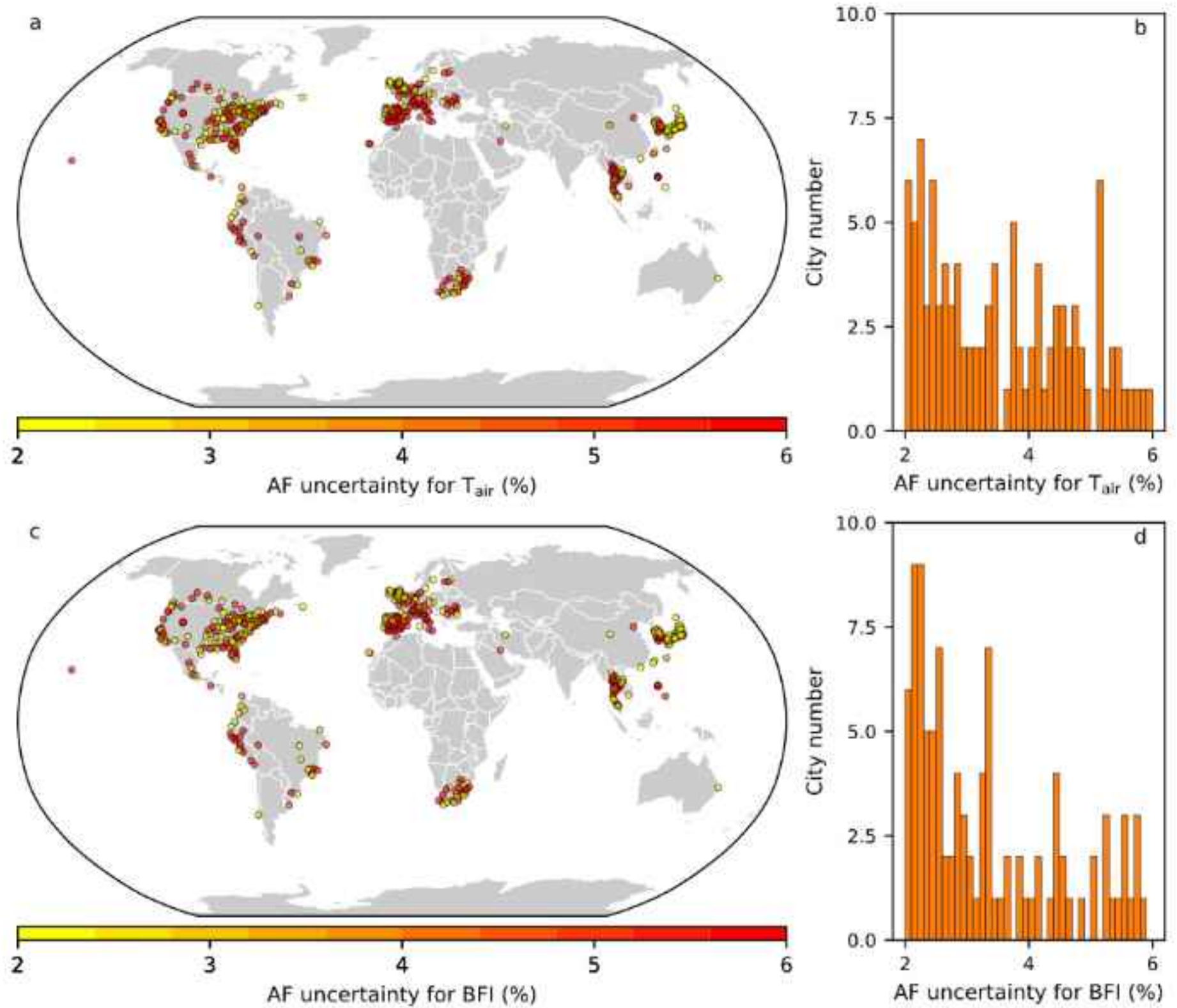


Fig. S16 | The uncertainty (range of the 95% Confidence Interval) of the estimation of attributable fraction (AF, %) of heat-related mortality. The results are for 517 cities with an HSI as BFI. a, b, The spatial and frequency distribution of the AF uncertainty for T_{air} . c, d, The spatial and frequency distribution of the AF uncertainty for the BFI.

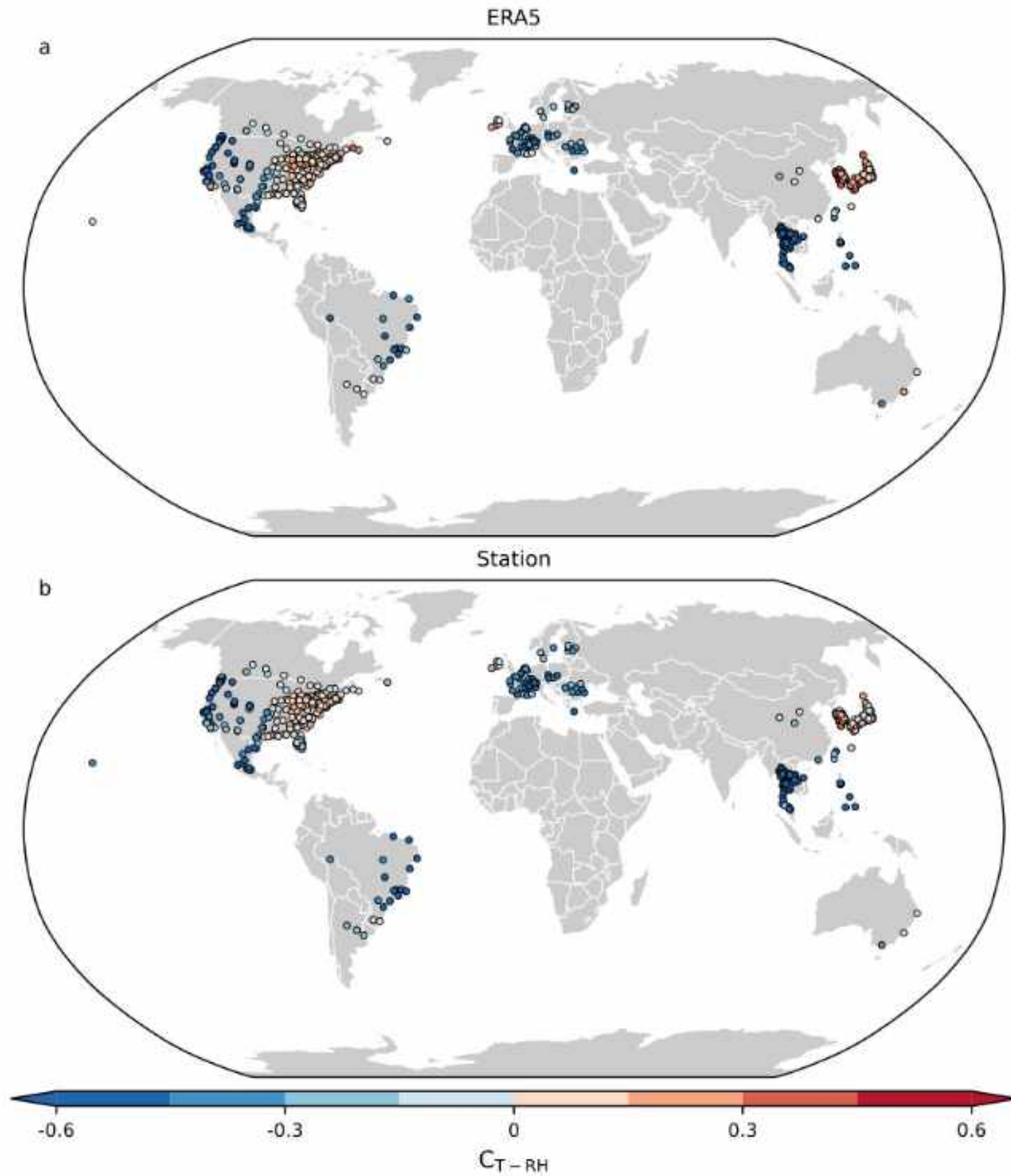


Fig. S17 | Spearman correlation coefficients (C_{T-RH}) between daily mean T_{air} and RH during the warm season of 476 MCC cities for ERA5 (a) and in-situ data (b). The length of the observed climate data varies by city, covering part of 1980-2019, totaling more than five years for each city. The C_{T-RH} from ERA5 and the in-situ data are compared for the same period.

Table S1 The number of cities in each country/region and the corresponding mortality data length.

Location	Country/Region	Number of cities	Mortality Data period
North Europe	Estonia	5	1997-2018
North Europe	Finland	1	1994-2014
North Europe	Ireland	6	1984-2007
North Europe	Norway	1	1980-2018
North Europe	Sweden	3	1990-2016
North Europe	UK	70	1990-2016
North Europe	Netherlands	5	1995-2016
Central Europe	France	18	2000-2015
Central Europe	Germany	12	1993-2015
Central Europe	Switzerland	8	1995-2013
Central Europe	Czech Republic	4	1994-2015
Central Europe	Moldova	4	2001-2010
Central Europe	Romania	8	1994-2016
South Europe	Greece	1	2001-2010
South Europe	Italy	18	2006-2015
South Europe	Portugal	6	1980-2018
South Europe	Spain	52	1990-2014
East Asia	China	7	1996-2015
East Asia	Japan	47	1980-2015
East Asia	South Korea	36	1997-2018
East Asia	Taiwan	3	1994-2014
South-East Asia	Philippines	13	2006-2019
South-East Asia	Thailand	62	1999-2008
South-East Asia	Vietnam	2	2009-2013
Middle-East Asia	Iran	2	2002-2015
Middle-East Asia	Kuwait	1	2000-2016
North America	Canada	26	1986-2015
North America	USA	197	1980-2006
Central America	Costa Rica	1	2000-2017
Central America	Guatemala	1	2009-2016
Central America	Mexico	10	1998-2014
Central America	Panama	1	2013-2016
Central America	Puerto Rico	1	2009-2016
South America	Argentina	3	2005-2015
South America	Brazil	18	1997-2018
South America	Chile	4	2004-2014
South America	Colombia	5	1998-2013
South America	Ecuador	2	2014-2018
South America	Paraguay	1	2004-2019
South America	Peru	18	2008-2014
South America	Uruguay	1	2012-2016
Africa	South Africa	52	1997-2013
Australia	Australia	3	1988-2009
Sum		739	

Table S2 The basic information of each city.

City	Country/Region	Lon	Lat	Warm Season
Buenos Aires	Argentina	-58.4	-34.6	11 - 4
Cordoba	Argentina	-64.2	-31.4	10 - 3
Rosario	Argentina	-60.7	-32.9	10 - 3
Brisbane	Australia	153.0	-27.5	11 - 4
Melbourne	Australia	145.0	-37.8	11 - 4
Sydney	Australia	151.2	-33.9	11 - 4
Belo Horizonte	Brazil	-44.0	-19.8	10 - 3
Brasilia	Brazil	-47.9	-15.8	10 - 3
Curitiba	Brazil	-49.3	-25.4	11 - 4
Caratinga	Brazil	-42.1	-19.8	11 - 4
Divinopolis	Brazil	-44.9	-20.1	10 - 3
Fortaleza	Brazil	-38.5	-3.7	10 - 3
Juiz de Fora	Brazil	-43.4	-21.8	11 - 4
Londrina	Brazil	-51.2	-23.3	10 - 3
Maceio	Brazil	-35.7	-9.7	12 - 5
Palmas	Brazil	-48.3	-10.2	5 - 10
Porto Alegre	Brazil	-51.2	-30.0	11 - 4
Rio Branco	Brazil	-67.8	-10.0	8 - 1
Sao Luis	Brazil	-44.3	-2.5	7 - 12
Salvador	Brazil	-38.5	-13.0	11 - 4
Santa Maria	Brazil	-53.8	-29.7	11 - 4
Sao Paulo	Brazil	-46.6	-23.5	11 - 4
Teresópolis	Brazil	-43.0	-22.4	11 - 4
Vitoria	Brazil	-40.3	-20.3	11 - 4
Abbotsford	Canada	-122.3	49.1	5 - 10
Calgary	Canada	-114.1	51.1	4 - 9
Edmonton	Canada	-113.5	53.5	4 - 9
Halifax	Canada	-63.6	44.6	5 - 10
Hamilton	Canada	-79.9	43.3	5 - 10
Kingston	Canada	-76.5	44.2	5 - 10
Kitchener-Waterloo	Canada	-80.5	43.5	5 - 10
London Ontario	Canada	-81.2	43.0	5 - 10
Montreal	Canada	-73.6	45.5	5 - 10
Niagara	Canada	-79.1	43.1	5 - 10
Oakville	Canada	-79.7	43.5	5 - 10
Oshawa	Canada	-78.9	43.9	5 - 10
Ottawa	Canada	-75.7	45.4	5 - 10
Regina	Canada	-104.6	50.5	4 - 9

Sarnia	Canada	-82.3	43.0	5 - 10
Sudbury	Canada	-81.0	46.3	5 - 10
Saint John NB	Canada	-66.1	45.3	5 - 10
St. John's NFL	Canada	-52.7	47.6	5 - 10
Sault Ste. Marie	Canada	-84.4	46.5	5 - 10
Saskatoon	Canada	-106.6	52.1	4 - 9
Thunder Bay	Canada	-89.2	48.4	5 - 10
Toronto	Canada	-79.4	43.6	5 - 10
Victoria	Canada	-123.3	48.4	5 - 10
Vancouver	Canada	-123.1	49.3	5 - 10
Windsor	Canada	-83.0	42.3	5 - 10
Winnipeg	Canada	-97.2	49.9	5 - 10
Chillan	Chile	-72.1	-36.6	11 - 4
Santiago	Chile	-70.7	-33.4	11 - 4
Temuco	Chile	-72.6	-38.7	11 - 4
Valparaiso	Chile	-71.6	-33.0	11 - 4
Hong Kong	China	114.2	22.3	5 - 10
Lanzhou	China	103.8	36.1	4 - 9
Shenyang	China	123.4	41.8	4 - 9
Suzhou	China	120.6	31.3	5 - 10
Taiyuan	China	112.6	37.9	4 - 9
Tianjin	China	117.2	39.1	4 - 9
Xian	China	108.9	34.3	4 - 9
Bogota	Colombia	-74.2	4.7	4 - 9
Barranquilla	Colombia	-74.8	10.9	5 - 10
Cali	Colombia	-76.5	3.4	3 - 8
Cartagena	Colombia	-75.5	10.4	3 - 8
Medellin	Colombia	-75.6	6.2	4 - 9
San José	Costa Rica	-84.3	9.6	2 - 7
Brno	Czech Republic	16.6	49.2	4 - 9
Ostrava	Czech Republic	18.3	49.8	5 - 10
Prague	Czech Republic	14.4	50.1	5 - 10
South Bohemia	Czech Republic	14.4	48.9	5 - 10
Guayaquil	Ecuador	-79.9	-2.2	12 - 5
Quito	Ecuador	-78.5	-0.2	4 - 9
Kohtla-Järve linn	Estonia	27.5	59.4	5 - 10
Narva linn	Estonia	28.1	59.4	5 - 10
Pärnu linn	Estonia	24.5	58.4	5 - 10
Tallinn	Estonia	24.8	59.4	5 - 10
Tartu linn	Estonia	26.7	58.4	5 - 10
Helsinki	Finland	24.9	60.2	5 - 10

Bordeaux	France	-0.6	44.8	5 - 10
Clermont-Ferrand	France	3.1	45.8	5 - 10
Dijon	France	5.0	47.3	5 - 10
Grenoble	France	5.7	45.2	5 - 10
Le Havre	France	0.1	49.5	5 - 10
Lille	France	3.1	50.6	5 - 10
Lens-Douai	France	3.0	50.4	5 - 10
Lyon	France	4.9	45.8	5 - 10
Montpellier	France	3.9	43.6	5 - 10
Marseille	France	5.4	43.3	5 - 10
Nice	France	7.3	43.7	5 - 10
Nancy	France	6.2	48.7	5 - 10
Nantes	France	-1.6	47.2	5 - 10
Paris	France	2.3	48.9	5 - 10
Rennes	France	-1.7	48.1	5 - 10
Rouen	France	1.1	49.4	5 - 10
Strasbourg	France	7.8	48.6	5 - 10
Toulouse	France	1.4	43.6	5 - 10
Berlin	Germany	13.4	52.5	5 - 10
Bremen	Germany	8.8	53.1	5 - 10
Dresden	Germany	13.7	51.1	5 - 10
Dortmund	Germany	7.5	51.5	5 - 10
Dusseldorf	Germany	6.8	51.2	5 - 10
Frankfurt	Germany	8.7	50.1	5 - 10
Hamburg	Germany	10.0	53.6	5 - 10
Hannover	Germany	9.7	52.4	5 - 10
Koeln	Germany	7.0	50.9	5 - 10
Leipzig	Germany	12.4	51.3	5 - 10
Muenchen	Germany	11.6	48.1	5 - 10
Stuttgart	Germany	9.2	48.8	5 - 10
Athens	Greece	23.7	38.0	5 - 10
Guatemala	Guatemala	-90.5	14.6	4 - 9
Mashhad	Iran	59.6	36.3	5 - 10
Tehran	Iran	51.4	35.7	5 - 10
East of Northern Ireland	Ireland	-6.8	53.9	5 - 10
NorthEast of the Republic of Ireland	Ireland	-7.6	52.9	5 - 10
NorthWest of the Republic of Ireland	Ireland	-7.3	54.8	5 - 10
SouthEast of the Republic of Ireland	Ireland	-6.3	53.4	5 - 10

SouthWest of the Republic of Ireland	Ireland	-9.6	52.3	5 - 10
West of Northern Ireland	Ireland	-6.5	54.5	5 - 10
Ancona	Italy	13.5	43.6	5 - 10
Bari	Italy	16.9	41.1	5 - 10
Bologna	Italy	11.4	44.5	5 - 10
Catania	Italy	15.1	37.5	5 - 10
Cagliari	Italy	9.1	39.3	5 - 10
Civitavecchia	Italy	11.8	42.1	5 - 10
Florence	Italy	11.3	43.8	5 - 10
Frosinone	Italy	13.6	41.7	5 - 10
Genoa	Italy	8.9	44.4	5 - 10
Latina	Italy	12.9	41.5	5 - 10
Milan	Italy	9.2	45.5	5 - 10
Naples	Italy	14.3	40.8	5 - 10
Palermo	Italy	13.4	38.1	5 - 10
Rieti	Italy	12.9	42.4	5 - 10
Rome	Italy	12.5	41.9	5 - 10
Trieste	Italy	13.8	45.6	5 - 10
Turin	Italy	7.7	45.1	5 - 10
Viterbo	Italy	12.1	42.4	5 - 10
Aichi	Japan	136.9	35.2	5 - 10
Akita	Japan	140.1	39.7	5 - 10
Aomori	Japan	140.7	40.8	5 - 10
Chiba	Japan	140.1	35.6	5 - 10
Ehime	Japan	132.8	33.8	5 - 10
Fukushima	Japan	140.5	37.8	5 - 10
Fukuoka	Japan	130.4	33.6	5 - 10
Fukui	Japan	136.2	36.1	5 - 10
Gifu	Japan	136.7	35.4	5 - 10
Gunma	Japan	139.1	36.4	5 - 10
Hokkaido	Japan	141.3	43.1	5 - 10
Hiroshima	Japan	132.5	34.4	5 - 10
Hyogo	Japan	135.2	34.7	5 - 10
Ibaraki	Japan	140.4	36.3	5 - 10
Ishikawa	Japan	136.6	36.6	5 - 10
Iwate	Japan	141.2	39.7	5 - 10
Kagawa	Japan	134.0	34.3	5 - 10
Kagoshima	Japan	130.6	31.6	5 - 10
Kumamoto	Japan	130.7	32.8	5 - 10

Kanagawa	Japan	139.6	35.4	5 - 10
Kochi	Japan	133.5	33.6	5 - 10
Kyoto	Japan	135.8	35.0	5 - 10
Mie	Japan	136.5	34.7	5 - 10
Miyagi	Japan	140.9	38.3	5 - 10
Miyazaki	Japan	131.4	31.9	5 - 10
Nagano	Japan	138.2	36.7	5 - 10
Nara	Japan	135.8	34.7	5 - 10
Nagasaki	Japan	129.9	32.7	5 - 10
Niigata	Japan	139.0	37.9	5 - 10
Oita	Japan	131.6	33.2	5 - 10
Okinawa	Japan	127.7	26.2	5 - 10
Okayama	Japan	133.9	34.7	5 - 10
Osaka	Japan	135.5	34.7	5 - 10
Saga	Japan	130.3	33.2	5 - 10
Saitama	Japan	139.6	35.9	5 - 10
Shiga	Japan	135.9	35.0	5 - 10
Shimane	Japan	133.1	35.5	5 - 10
Shizuoka	Japan	138.4	35.0	5 - 10
Tochigi	Japan	139.9	36.6	5 - 10
Tokushima	Japan	134.6	34.1	5 - 10
Tokyo	Japan	139.7	35.7	5 - 10
Toyama	Japan	137.2	36.7	5 - 10
Tottori	Japan	134.2	35.5	5 - 10
Wakayama	Japan	135.2	34.2	5 - 10
Yamaguchi	Japan	131.5	34.2	5 - 10
Yamagata	Japan	140.4	38.2	5 - 10
Yamanashi	Japan	138.6	35.7	5 - 10
Kuwait	Kuwait	48.0	29.4	5 - 10
Ciudad Juarez	Mexico	-106.4	31.7	4 - 9
Comarca Lagunera	Mexico	-102.2	24.2	4 - 9
Guadalajara	Mexico	-103.4	20.7	4 - 9
Leon	Mexico	-101.7	21.1	4 - 9
Monterrey	Mexico	-100.3	25.7	4 - 9
Puebla-Tlaxcala	Mexico	-98.2	19.0	4 - 9
San Luis Potosi	Mexico	-101.0	22.2	4 - 9
Tijuana	Mexico	-117.0	32.5	5 - 10
Toluca de Lerdo	Mexico	-99.7	19.3	4 - 9
Valley of Mexico	Mexico	-99.0	19.7	4 - 9
Anenii Noi	Moldova	29.0	47.0	4 - 9
Cahul	Moldova	28.2	45.5	5 - 10

Chisinau	Moldova	28.5	46.6	4 - 9
Falesti	Moldova	27.9	47.8	4 - 9
Amsterdam	Netherland	4.9	52.4	5 - 10
Den Haag	Netherland	4.3	52.1	5 - 10
Eindhoven	Netherland	5.5	51.4	5 - 10
Rotterdam	Netherland	4.5	51.9	5 - 10
Utrecht	Netherland	5.1	52.1	5 - 10
Oslo	Norway	10.8	59.9	5 - 10
Panama	Panama	-79.5	9.0	3 - 8
Asuncion	Paraguay	-57.6	-25.3	10 - 3
Apurimac	Peru	-73.0	-14.0	10 - 3
Arequipa	Peru	-71.5	-16.4	7 - 12
Ayacucho	Peru	-74.2	-13.2	10 - 3
Cajamarca	Peru	-78.5	-7.2	4 - 9
Cusco	Peru	-72.0	-13.5	10 - 3
Huancavelica	Peru	-75.0	-12.8	11 - 4
Huánuco	Peru	-76.2	-9.9	10 - 3
Ica	Peru	-75.7	-14.1	11 - 4
Junín	Peru	-76.0	-11.2	11 - 4
Lima	Peru	-77.0	-12.0	12 - 5
La Libertad	Peru	-78.5	-8.0	6 - 11
Lambayeque	Peru	-79.9	-6.7	12 - 5
Loreto	Peru	-74.5	-4.0	10 - 3
Piura	Peru	-80.6	-5.2	12 - 5
Puno	Peru	-70.0	-15.8	10 - 3
San Martin	Peru	-76.2	-6.6	9 - 2
Tacna	Peru	-70.3	-18.0	11 - 4
Ucayali	Peru	-74.4	-8.6	9 - 2
Bacoor	Philippines	120.9	14.5	3 - 8
Cebu	Philippines	123.9	10.3	4 - 9
Callocan	Philippines	121.0	14.6	3 - 8
Davao	Philippines	125.6	7.1	3 - 8
Las Pinas	Philippines	121.0	14.6	3 - 8
Makati	Philippines	121.0	14.6	3 - 8
Manila	Philippines	121.0	14.6	3 - 8
Muntinlupa	Philippines	121.0	14.4	3 - 8
Pasig	Philippines	121.1	14.6	3 - 8
Quezon	Philippines	121.0	14.7	3 - 8
Taguig	Philippines	121.1	14.5	3 - 8
Valenzuela	Philippines	121.0	14.7	3 - 8
Zamboanga	Philippines	122.1	6.9	3 - 8

Beja	Portugal	-7.9	38.0	5 - 10
Coimbra	Portugal	-8.4	40.2	5 - 10
Castelo Branco	Portugal	-7.5	39.8	5 - 10
Faro	Portugal	-7.9	37.0	5 - 10
Lisboa	Portugal	-9.1	38.7	5 - 10
Porto	Portugal	-8.6	41.2	5 - 10
San Juan	Puerto Rico	-66.1	18.5	5 - 10
Bucharest	Romania	26.1	44.4	4 - 9
Brasov	Romania	25.6	45.7	5 - 10
Cluj-Napoca	Romania	23.6	46.8	4 - 9
Constanta	Romania	28.6	44.2	5 - 10
Craiova	Romania	23.8	44.3	4 - 9
Galati	Romania	28.0	45.4	5 - 10
Iasi	Romania	27.6	47.2	4 - 9
Timisoara	Romania	21.2	45.7	4 - 9
Alfred Nzo	South Africa	28.9	-30.5	10 - 3
Amajuba	South Africa	30.1	-27.8	10 - 3
Amathole	South Africa	27.4	-32.6	11 - 4
Buffalo City	South Africa	27.6	-32.9	11 - 4
Bojanala	South Africa	27.4	-25.4	10 - 3
Cacadu	South Africa	24.5	-33.0	11 - 4
Chris Hani	South Africa	26.8	-31.9	10 - 3
Central Karoo	South Africa	22.2	-32.8	10 - 3
City of Cape Town	South Africa	18.4	-33.9	11 - 4
Capricorn	South Africa	29.4	-23.9	10 - 3
Cape Winelands	South Africa	19.8	-33.4	11 - 4
City of Johannesburg	South Africa	28.0	-26.2	10 - 3
City of Tshwane	South Africa	28.4	-25.6	10 - 3
Dr Kenneth Kaunda	South Africa	26.5	-26.9	10 - 3
Dr Ruth Segomotsi Mompoti	South Africa	24.3	-26.7	10 - 3
Eden	South Africa	22.0	-33.7	11 - 4
Ehlanzeni	South Africa	31.3	-25.4	10 - 3
Ekurhuleni	South Africa	28.3	-26.2	10 - 3
eThekweni	South Africa	31.0	-29.9	11 - 4
Frances Baard	South Africa	24.3	-28.4	10 - 3
Fezile Dabi	South Africa	27.7	-27.4	10 - 3
Gert Sibande	South Africa	30.0	-26.5	10 - 3
Greater Sekhukhune	South Africa	30.0	-24.8	10 - 3
iLembe	South Africa	31.2	-29.4	11 - 4
Joe Gqabi	South Africa	27.0	-31.0	10 - 3

John Taolo Gaetsewe	South Africa	23.2	-27.2	10 - 3
Lejweleputswa	South Africa	26.2	-28.4	10 - 3
Mangaung	South Africa	26.3	-29.2	10 - 3
Mopani	South Africa	30.7	-23.3	10 - 3
Ngaka Modiri Molema	South Africa	25.9	-26.0	10 - 3
Nkangala	South Africa	29.6	-25.9	10 - 3
Nelson Mandela Bay	South Africa	25.6	-33.7	11 - 4
Namakwa	South Africa	19.9	-30.4	10 - 3
O.R.Tambo	South Africa	28.8	-31.3	11 - 4
Overberg	South Africa	20.4	-34.5	11 - 4
Pixley ka Seme	South Africa	23.4	-30.2	10 - 3
Sedibeng	South Africa	28.2	-26.7	10 - 3
Sisonke	South Africa	29.6	-30.0	10 - 3
Siyanda	South Africa	21.5	-28.0	10 - 3
Thabo Mofutsanyane	South Africa	28.3	-28.1	10 - 3
Ugu	South Africa	30.3	-30.6	11 - 4
uMgungundlovu	South Africa	30.3	-29.5	11 - 4
uMkhanyakude	South Africa	32.5	-27.3	11 - 4
uMzinyathi	South Africa	30.6	-28.5	10 - 3
uThukela	South Africa	29.6	-28.7	10 - 3
uThungulu	South Africa	31.5	-28.6	11 - 4
Vhembe	South Africa	30.0	-22.8	10 - 3
West Coast	South Africa	18.0	-32.9	11 - 4
West Rand	South Africa	27.5	-26.3	10 - 3
Waterberg	South Africa	28.3	-24.0	10 - 3
Xhariep	South Africa	25.3	-29.5	10 - 3
Zululand	South Africa	31.4	-27.9	11 - 4
Andong	South Korea	128.7	36.6	5 - 10
Boryeong	South Korea	126.6	36.3	5 - 10
Busan	South Korea	129.0	35.1	5 - 10
Chuncheon	South Korea	127.7	37.9	5 - 10
Chungju	South Korea	128.0	37.0	5 - 10
Cheonan	South Korea	127.3	36.8	5 - 10
Daegu	South Korea	128.7	35.9	5 - 10
Daejeon	South Korea	127.4	36.4	5 - 10
Donghae	South Korea	129.1	37.5	5 - 10
Geojae	South Korea	128.6	34.9	5 - 10
Gangneung	South Korea	128.9	37.8	5 - 10
Gumi	South Korea	128.3	36.1	5 - 10
Gwangju	South Korea	126.9	35.2	5 - 10
Icheon	South Korea	127.5	37.3	5 - 10

Incheon	South Korea	126.6	37.5	5 - 10
Jecheon	South Korea	128.2	37.2	5 - 10
Jeju	South Korea	126.5	33.5	5 - 10
Jinju	South Korea	128.0	35.2	5 - 10
Jeongeup	South Korea	126.8	35.6	5 - 10
Milyang	South Korea	128.7	35.5	5 - 10
Mungyeong	South Korea	128.1	36.6	5 - 10
Mokpo	South Korea	126.4	34.8	5 - 10
Namwon	South Korea	127.4	35.4	5 - 10
Pohang	South Korea	129.4	36.0	5 - 10
Seoul	South Korea	127.0	37.6	5 - 10
Seosan	South Korea	126.5	36.8	5 - 10
Seogyupo	South Korea	126.6	33.2	5 - 10
Sokcho	South Korea	128.6	38.3	5 - 10
Suwon	South Korea	127.0	37.3	5 - 10
Taebaek	South Korea	129.0	37.2	5 - 10
Tongyeong	South Korea	128.4	34.8	5 - 10
Ulsan	South Korea	129.3	35.6	5 - 10
Wonju	South Korea	127.9	37.3	5 - 10
Yeosu	South Korea	127.7	34.7	5 - 10
Yoengcheon	South Korea	129.0	36.0	5 - 10
Yeongju	South Korea	128.5	36.9	5 - 10
A Coruna	Spain	-8.4	43.4	5 - 10
Albacete	Spain	-1.8	39.0	5 - 10
Alicante	Spain	-0.5	38.3	5 - 10
Almeria	Spain	-2.4	36.8	5 - 10
Avila	Spain	-4.7	40.6	5 - 10
Badajoz	Spain	-7.0	38.9	5 - 10
Bilbao	Spain	-2.9	43.3	5 - 10
Barcelona	Spain	2.2	41.4	5 - 10
Burgos	Spain	-3.7	42.3	5 - 10
Cadiz	Spain	-6.3	36.5	5 - 10
Caceres	Spain	-6.4	39.5	5 - 10
Ciudad Real	Spain	-3.9	39.0	5 - 10
Ceuta	Spain	-5.3	35.9	5 - 10
Cordoba	Spain	-4.8	37.9	5 - 10
Castellon	Spain	0.0	40.0	5 - 10
Cuenca	Spain	-2.1	40.7	5 - 10
Guadalajara	Spain	-3.1	40.6	5 - 10
Girona	Spain	2.8	42.0	5 - 10
Granada	Spain	-3.6	37.2	5 - 10

Huelva	Spain	-7.0	37.3	5 - 10
Huesca	Spain	-0.4	42.1	5 - 10
Jaen	Spain	-3.8	37.8	5 - 10
Leon	Spain	-5.6	42.6	5 - 10
Logrono	Spain	-2.4	42.5	5 - 10
Lleida	Spain	0.6	41.6	5 - 10
Lugo	Spain	-7.5	43.0	5 - 10
Malaga	Spain	-4.4	36.7	5 - 10
Madrid	Spain	-3.7	40.4	5 - 10
Melilla	Spain	-3.0	35.3	5 - 10
Murcia	Spain	-1.1	38.0	5 - 10
Ourense	Spain	-7.9	42.3	5 - 10
Oviedo	Spain	-5.8	43.3	5 - 10
Palmas G. Canaria	Spain	-15.4	28.2	6 - 11
Palma Mallorca	Spain	2.7	39.6	5 - 10
Palencia	Spain	-4.5	42.0	5 - 10
Pamplona	Spain	-1.6	42.8	5 - 10
Pontevedra	Spain	-8.6	42.4	5 - 10
Segovia	Spain	-4.1	40.9	5 - 10
Salamanca	Spain	-5.7	40.9	5 - 10
San Sebastian	Spain	-2.0	43.3	5 - 10
Santander	Spain	-3.8	43.5	5 - 10
Soria	Spain	-2.5	41.8	5 - 10
Sevilla	Spain	-6.0	37.4	5 - 10
Teruel	Spain	-2.0	40.3	5 - 10
Tenerife	Spain	-16.3	28.5	6 - 11
Toledo	Spain	-4.2	39.8	5 - 10
Tarragona	Spain	1.2	41.1	5 - 10
Vitoria	Spain	-2.7	42.8	5 - 10
Valladolid	Spain	-4.7	41.6	5 - 10
Valencia	Spain	-0.4	39.5	5 - 10
Zamora	Spain	-5.7	41.5	5 - 10
Zaragoza	Spain	-0.9	41.6	5 - 10
Gothenburg	Sweden	12.0	57.7	5 - 10
Malmo	Sweden	13.0	55.6	5 - 10
Stockholm	Sweden	18.1	59.3	5 - 10
Basel	Switzerland	7.6	47.6	5 - 10
Bern	Switzerland	7.4	46.9	5 - 10
Geneve	Switzerland	6.1	46.2	5 - 10
Lausanne	Switzerland	6.6	46.5	5 - 10
Lugano	Switzerland	9.0	46.0	5 - 10

Luzern	Switzerland	8.3	47.1	5 - 10
St. Gallen	Switzerland	9.4	47.4	5 - 10
Zürich	Switzerland	8.5	47.4	5 - 10
Kaohsiung	Taiwan	120.3	22.6	5 - 10
Taipei	Taiwan	121.5	25.0	5 - 10
Taichung	Taiwan	120.7	24.2	5 - 10
Amnat Charoen	Thailand	104.6	15.9	3 - 8
Ayutthaya	Thailand	100.6	14.4	3 - 8
Bangkok	Thailand	100.5	13.8	3 - 8
Buri Ram	Thailand	103.1	15.0	3 - 8
Chachoengsao	Thailand	101.1	13.7	3 - 8
Chumphon	Thailand	99.2	10.5	3 - 8
Chon Buri	Thailand	101.0	13.4	3 - 8
Chiang Mai	Thailand	99.0	18.8	3 - 8
Chiang Rai	Thailand	99.8	19.9	4 - 9
Chanthaburi	Thailand	102.1	12.6	3 - 8
Chaiyaphum	Thailand	102.0	15.8	3 - 8
Khon Kaen	Thailand	102.8	16.4	3 - 8
Kalasin	Thailand	103.5	16.4	3 - 8
Kamphaeng Phet	Thailand	99.5	16.6	3 - 8
Kanchanaburi	Thailand	99.5	14.0	3 - 8
Krabi	Thailand	98.9	8.1	2 - 7
Lamphun	Thailand	99.0	18.6	3 - 8
Lampang	Thailand	99.5	18.3	3 - 8
Lop Buri	Thailand	100.7	14.8	3 - 8
Maha Sarakham	Thailand	103.3	16.2	3 - 8
Mukdahan	Thailand	104.7	16.5	3 - 8
Nan	Thailand	100.8	18.8	3 - 8
Nong Bua Lam Phu	Thailand	102.3	17.2	3 - 8
Nakhon Ratchasima	Thailand	102.1	15.0	3 - 8
Nakhon Sawan	Thailand	100.1	15.7	3 - 8
Nakhon Phanom	Thailand	104.8	17.4	4 - 9
Nakhon Pathom	Thailand	100.1	13.9	3 - 8
Nakhon Si Thammarat	Thailand	100.0	8.4	3 - 8
Nong Khai	Thailand	102.7	17.9	4 - 9
Nonthaburi	Thailand	100.5	13.9	3 - 8
Narathiwat	Thailand	101.7	6.2	4 - 9
Phayao	Thailand	99.9	19.2	4 - 9
Phetchabun	Thailand	101.1	16.3	3 - 8
Phetchaburi	Thailand	99.9	13.1	3 - 8
Phichit	Thailand	100.3	16.4	3 - 8

Phrae	Thailand	100.1	18.1	3 - 8
Phitsanulok	Thailand	100.3	16.8	3 - 8
Prachin Buri	Thailand	101.2	14.0	3 - 8
Prachuap Khiri Khan	Thailand	99.8	11.8	3 - 8
Pathum Thani	Thailand	100.5	14.0	3 - 8
Pattani	Thailand	101.3	6.9	3 - 8
Roi Et	Thailand	103.7	16.1	3 - 8
Ratchaburi	Thailand	99.8	13.5	3 - 8
Rayong	Thailand	101.3	12.7	3 - 8
Sa Kaeo	Thailand	102.1	13.8	2 - 7
Sukhothai	Thailand	99.8	17.0	3 - 8
Sakon Nakhon	Thailand	104.1	17.2	4 - 9
Samutprakan	Thailand	100.3	13.4	3 - 8
Samut Sakhon	Thailand	100.3	13.5	3 - 8
Songkhla	Thailand	100.6	7.2	4 - 9
Suphanburi	Thailand	100.1	14.5	3 - 8
Saraburi	Thailand	100.9	14.5	3 - 8
Surat Thani	Thailand	99.3	9.1	3 - 8
Si Sa Ket	Thailand	104.3	15.1	3 - 8
Surin	Thailand	103.5	14.9	3 - 8
Tak	Thailand	99.1	16.9	3 - 8
Trang	Thailand	99.6	7.6	1 - 6
Ubon Ratchathani	Thailand	105.2	15.2	3 - 8
Udon Thani	Thailand	102.8	17.4	3 - 8
Uttaradit	Thailand	100.1	17.6	3 - 8
Yala	Thailand	101.3	6.4	3 - 8
Yasothon	Thailand	104.1	15.8	3 - 8
Accrington/Rossendale	UK	-2.3	53.7	5 - 10
Bedford	UK	-0.5	52.1	5 - 10
Blackburn	UK	-2.5	53.8	5 - 10
Blackpool	UK	-3.1	53.8	5 - 10
Brighton and Hove	UK	-0.2	50.8	5 - 10
Barnsley/Deerne Valley	UK	-1.5	53.6	5 - 10
Birkenhead	UK	-3.0	53.4	5 - 10
Burnley	UK	-2.2	53.8	5 - 10
Bournemouth/Poole	UK	-1.9	50.7	5 - 10
Bristol	UK	-2.6	51.5	5 - 10
Burton upon Trent	UK	-1.6	52.8	5 - 10
Basildon	UK	0.5	51.6	5 - 10
Basingstoke	UK	-1.1	51.3	5 - 10
Chelmsford	UK	0.5	51.7	5 - 10

Cheltenham	UK	-2.1	51.9	5 - 10
Chesterfield	UK	-1.4	53.2	5 - 10
Colchester	UK	0.9	51.9	5 - 10
Cambridge	UK	0.1	52.2	5 - 10
Cardiff	UK	-3.2	51.5	5 - 10
Crawley	UK	-0.2	51.1	5 - 10
Coventry	UK	-1.5	52.4	5 - 10
Doncaster	UK	-1.1	53.5	5 - 10
Derby	UK	-1.5	52.9	5 - 10
Eastbourne	UK	0.3	50.8	5 - 10
Exeter	UK	-3.5	50.7	5 - 10
Farnborough/Aldershot	UK	-0.8	51.3	5 - 10
Gloucester	UK	-2.2	51.9	5 - 10
Grimsby	UK	-0.1	53.6	5 - 10
High Wycombe	UK	-0.7	51.6	5 - 10
Hastings	UK	0.6	50.9	5 - 10
Ipswich	UK	1.2	52.1	5 - 10
Kingston upon Hull	UK	-0.3	53.7	5 - 10
Leicester	UK	-1.1	52.6	5 - 10
Lincoln	UK	-0.5	53.2	5 - 10
London	UK	-0.1	51.5	5 - 10
Luton	UK	-0.4	51.9	5 - 10
Liverpool	UK	-3.0	53.4	5 - 10
Maidstone	UK	0.5	51.3	5 - 10
Medway Towns	UK	0.3	51.3	5 - 10
Milton Keynes	UK	-0.8	52.0	5 - 10
Manchester	UK	-2.2	53.5	5 - 10
Mansfield	UK	-1.2	53.1	5 - 10
Northampton	UK	-0.9	52.3	5 - 10
Norwich	UK	1.3	52.6	5 - 10
Nottingham	UK	-1.2	53.0	5 - 10
Newport	UK	-3.0	51.6	5 - 10
Oxford	UK	-1.3	51.8	5 - 10
Paignton/Torquay	UK	-3.6	50.4	5 - 10
Plymouth	UK	-4.1	50.4	5 - 10
Preston	UK	-2.7	53.8	5 - 10
Peterborough	UK	-0.2	52.6	5 - 10
Reading	UK	-1.0	51.5	5 - 10
Sheffield	UK	-1.5	53.4	5 - 10
Slough	UK	-0.6	51.5	5 - 10
Sunderland	UK	-1.4	54.9	5 - 10

South Hampshire	UK	-1.1	50.8	5 - 10
Southend-on-Sea	UK	0.7	51.5	5 - 10
Stoke-on-Trent	UK	-2.2	53.0	5 - 10
Swindon	UK	-1.8	51.6	5 - 10
Swansea	UK	-3.9	51.6	5 - 10
Thanet	UK	1.4	51.4	5 - 10
Telford	UK	-2.4	52.7	5 - 10
Teesside	UK	-1.2	54.6	5 - 10
Tyneside	UK	-1.5	55.0	5 - 10
Wigan	UK	-2.6	53.5	5 - 10
Worcester	UK	-2.2	52.2	5 - 10
Warrington	UK	-2.6	53.4	5 - 10
West Midlands	UK	-1.9	52.5	5 - 10
West Yorkshire	UK	-1.5	53.8	5 - 10
York	UK	-1.1	54.0	5 - 10
Montevideo	Uruguay	-56.2	-34.9	11 - 4
Augusta	USA	-82.0	33.5	5 - 10
Akron	USA	-81.5	41.0	5 - 10
Albany	USA	-73.8	42.7	5 - 10
Albuquerque	USA	-106.6	35.1	5 - 10
Allentown	USA	-75.5	40.6	5 - 10
Anaheim	USA	-117.9	33.8	5 - 10
Ann Arbor	USA	-83.7	42.3	5 - 10
Austin	USA	-97.7	30.3	5 - 10
Atlantic City	USA	-74.4	39.4	5 - 10
Atlanta	USA	-84.4	33.8	5 - 10
Buffalo	USA	-78.9	42.9	5 - 10
Bakersfield	USA	-119.1	35.4	5 - 10
boulder	USA	-105.3	40.0	5 - 10
Baltimore	USA	-76.6	39.3	5 - 10
Bangor	USA	-68.8	44.8	5 - 10
Boise	USA	-116.2	43.6	5 - 10
Bergen	USA	-74.3	40.9	5 - 10
Burlington	USA	-71.2	42.5	5 - 10
Birmingham	USA	-86.8	33.5	5 - 10
Barnstable	USA	-70.3	41.7	5 - 10
Brownsville	USA	-97.5	25.9	5 - 10
Boston	USA	-71.1	42.4	5 - 10
Baton Rouge	USA	-91.1	30.5	5 - 10
Cedar Rapids	USA	-91.7	42.0	5 - 10
Chicago	USA	-87.6	41.9	5 - 10

Charlotte	USA	-80.9	35.2	4 - 9
Charleston SC	USA	-79.9	32.8	5 - 10
Chattanooga	USA	-85.2	35.1	5 - 10
Charleston WV	USA	-81.6	38.4	5 - 10
Columbus	USA	-83.0	40.0	5 - 10
Colorado Springs	USA	-104.8	38.8	5 - 10
Cleveland	USA	-81.7	41.5	5 - 10
Cincinnati	USA	-84.5	39.1	5 - 10
Canton	USA	-81.4	40.9	5 - 10
Columbia	USA	-81.1	34.0	5 - 10
Carlisle	USA	-77.2	40.2	5 - 10
Corpus Christ	USA	-97.4	27.8	5 - 10
Davis	USA	-112.0	41.1	5 - 10
Dallas	USA	-96.8	32.8	5 - 10
Denver	USA	-105.0	39.8	5 - 10
Dover	USA	-75.5	39.2	5 - 10
Durham	USA	-78.9	36.0	5 - 10
Des Moines	USA	-93.6	41.6	5 - 10
Detroit	USA	-83.1	42.3	5 - 10
Davenport	USA	-90.6	41.5	5 - 10
Daytona Beach	USA	-81.0	29.2	5 - 10
Dayton	USA	-84.2	39.8	5 - 10
El Centro	USA	-115.6	32.8	5 - 10
Elkhart	USA	-86.0	41.7	5 - 10
El Paso	USA	-106.4	31.8	4 - 9
Elizabeth	USA	-74.2	40.7	5 - 10
Erie	USA	-80.1	42.1	5 - 10
Essex	USA	-74.3	40.8	5 - 10
Eugene	USA	-123.1	44.1	5 - 10
Evansville	USA	-87.6	38.0	5 - 10
Everett	USA	-122.2	48.0	5 - 10
Fargo	USA	-96.8	46.9	5 - 10
Flint	USA	-83.7	43.0	5 - 10
Fresno	USA	-119.8	36.7	5 - 10
Fort Lauderdale	USA	-80.1	26.1	5 - 10
Fort Myers	USA	-81.9	26.7	5 - 10
Fort Pierce	USA	-80.3	27.5	5 - 10
Fort Worth	USA	-97.3	32.8	5 - 10
Ft Wayne	USA	-86.1	41.1	5 - 10
Fayetteville	USA	-78.9	35.1	4 - 9
Gary	USA	-87.4	41.6	5 - 10

Green Bay	USA	-88.0	44.5	5 - 10
Greensburg	USA	-79.5	40.3	5 - 10
Grand heaven	USA	-86.2	43.1	5 - 10
Grand Rapids	USA	-85.7	43.0	5 - 10
Greensboro	USA	-79.9	36.1	5 - 10
Greenville	USA	-82.4	34.8	5 - 10
Gainesville	USA	-82.3	29.7	5 - 10
Hickory	USA	-81.3	35.7	5 - 10
Honolulu	USA	-157.9	21.3	6 - 11
Harrisburg	USA	-76.9	40.3	5 - 10
Hartford	USA	-72.7	41.8	5 - 10
Houston	USA	-95.4	29.8	5 - 10
Indianapolis	USA	-86.2	39.8	5 - 10
Jacksonville	USA	-81.7	30.3	5 - 10
Jersey City	USA	-74.0	40.7	5 - 10
Kalamazoo	USA	-85.6	42.3	5 - 10
Kenosha	USA	-87.8	42.6	5 - 10
Kansas	USA	-94.6	39.1	5 - 10
Knoxville	USA	-83.9	36.0	5 - 10
Lafayette IN	USA	-86.9	40.4	5 - 10
Lafayette LA	USA	-92.0	30.2	5 - 10
Lake Charles	USA	-93.2	30.2	5 - 10
Lakeland	USA	-82.0	28.0	5 - 10
Lancaster	USA	-76.2	40.0	5 - 10
Lansing	USA	-84.5	42.7	5 - 10
Louisville	USA	-85.8	38.3	5 - 10
LaPorte	USA	-86.7	41.6	5 - 10
Los Angeles	USA	-118.5	34.0	5 - 10
Las Vegas	USA	-115.2	36.2	5 - 10
Little Rock	USA	-92.3	34.8	5 - 10
Macon	USA	-83.6	32.8	5 - 10
McAllen	USA	-98.3	26.2	5 - 10
Middles	USA	-74.7	40.6	5 - 10
Middletown	USA	-74.4	41.4	5 - 10
Medford	USA	-122.9	42.3	5 - 10
Madison IL	USA	-89.4	43.1	5 - 10
Modesto	USA	-121.0	37.6	5 - 10
Madison WI	USA	-89.4	43.1	5 - 10
Miami	USA	-80.2	25.8	5 - 10
Melbourne	USA	-80.6	28.1	5 - 10
Milwaukee	USA	-88.0	43.0	5 - 10

Memphis	USA	-90.0	35.1	5 - 10
Monmouth	USA	-74.2	40.0	5 - 10
Minneapolis	USA	-93.3	45.0	5 - 10
Montgomery	USA	-86.3	32.4	5 - 10
Mobile	USA	-88.1	30.7	5 - 10
Monroe	USA	-92.1	32.5	5 - 10
Mercer	USA	-80.2	41.2	5 - 10
Marlboro	USA	-76.8	38.8	5 - 10
Muskegon	USA	-86.2	43.2	5 - 10
Muncie	USA	-85.4	40.2	5 - 10
Myrtle Beach	USA	-78.9	33.7	5 - 10
Nashua	USA	-71.5	42.8	5 - 10
Nassau	USA	-73.4	40.8	5 - 10
Niles	USA	-86.3	41.8	5 - 10
Norfolk	USA	-76.3	36.9	5 - 10
Nashville	USA	-86.8	36.2	5 - 10
Newburgh	USA	-74.1	41.5	5 - 10
New Haven	USA	-72.9	41.3	5 - 10
New London	USA	-72.1	41.4	5 - 10
New Orleans	USA	-90.1	30.0	5 - 10
Newark	USA	-74.2	40.7	5 - 10
New York	USA	-74.0	40.7	5 - 10
Ocala	USA	-82.2	29.2	5 - 10
Oklahoma	USA	-97.5	35.5	5 - 10
Oakland	USA	-122.2	37.8	5 - 10
Omaha	USA	-95.9	41.3	5 - 10
Orlando	USA	-81.3	28.5	5 - 10
Ottawa	USA	-88.8	41.3	5 - 10
Philly	USA	-75.2	40.0	5 - 10
Phoenix	USA	-112.1	33.5	5 - 10
Palm Beach	USA	-80.3	26.7	5 - 10
Plymouth	USA	-83.5	42.4	5 - 10
Pensacola	USA	-87.2	30.4	5 - 10
Portland OR	USA	-122.7	45.5	5 - 10
Provo	USA	-111.7	40.2	5 - 10
Port Arthur	USA	-93.9	29.9	5 - 10
Portage	USA	-122.7	45.5	5 - 10
Portland ME	USA	-70.3	43.7	5 - 10
Providence	USA	-71.4	41.8	5 - 10
Pittsburg	USA	-80.0	40.4	5 - 10
Richmond	USA	-77.4	37.5	5 - 10

Rochester	USA	-77.6	43.2	5 - 10
Rockville	USA	-77.2	39.1	5 - 10
reading	USA	-76.0	40.4	5 - 10
Reno	USA	-119.8	39.5	5 - 10
Raleigh	USA	-78.6	35.8	5 - 10
Riverside	USA	-117.4	34.0	5 - 10
Sacramento	USA	-121.4	38.6	5 - 10
Scranton	USA	-75.7	41.4	5 - 10
San Diego	USA	-117.1	32.8	5 - 10
San Francisco	USA	-122.4	37.8	5 - 10
Salt Lake	USA	-111.9	40.8	5 - 10
San Jose	USA	-121.8	37.3	5 - 10
Santa Barbara	USA	-119.7	34.4	5 - 10
San Antonio	USA	-98.5	29.5	5 - 10
Spokane	USA	-117.3	47.7	5 - 10
Springfield MA	USA	-72.5	42.2	5 - 10
Springfield MO	USA	-93.3	37.2	5 - 10
Spartanburg	USA	-81.9	35.0	5 - 10
Sarasota	USA	-82.6	27.4	5 - 10
Saint Charles	USA	-93.3	38.8	5 - 10
Stockton	USA	-121.2	37.9	5 - 10
Saint Clair	USA	-90.2	38.6	5 - 10
South bend	USA	-86.3	41.7	5 - 10
St. Louis	USA	-90.2	38.6	5 - 10
Stamford	USA	-73.7	41.1	5 - 10
St. Petersburg	USA	-82.6	27.8	5 - 10
State College	USA	-77.9	40.8	5 - 10
Seattle	USA	-122.3	47.6	5 - 10
Tacoma	USA	-122.4	47.3	5 - 10
Tampa	USA	-82.5	28.0	5 - 10
Tucson	USA	-110.9	32.2	5 - 10
Tallahassee	USA	-84.3	30.4	5 - 10
Toledo	USA	-83.7	41.7	5 - 10
Topeka	USA	-95.7	39.0	5 - 10
Trenton	USA	-74.8	40.2	5 - 10
Terra Haute	USA	-87.4	39.5	5 - 10
Tulsa	USA	-95.9	36.2	5 - 10
Visalia	USA	-119.3	36.3	5 - 10
Vancouver	USA	-122.7	45.6	5 - 10
Ventura	USA	-119.3	34.3	5 - 10
Wichita	USA	-97.3	37.7	5 - 10

weber	USA	-112.0	41.2	5 - 10
Wilmington	USA	-75.5	39.7	5 - 10
Winston	USA	-80.2	36.1	5 - 10
Worcester	USA	-71.9	42.3	5 - 10
WDC	USA	-77.1	38.9	5 - 10
Washington	USA	-80.2	40.2	5 - 10
Youngstown	USA	-80.7	41.0	5 - 10
York	USA	-76.9	39.9	5 - 10
Ho Chi Minh City	Vietnam	106.7	10.8	3 - 8
Hue	Vietnam	107.6	16.5	4 - 9

Table S3 The detailed information of the 8 heat stress indicators in this study. T_{air} : air temperature, RH: relative humidity, W: wind speed, S: solar radiation

Abbreviation	Full Name	Input variables	Calculated For	Reference
T_w	Wet-bulb temperature	T_{air} , RH	MCC cities; Global land surface	21
T_S	Lethal heat stress temperature	T_{air} , RH	MCC cities	18
T_{WBG}	Wet-bulb globe temperature	T_{air} , RH, W, S	MCC cities	22
T_{sWBG}	Simplified wet-bulb globe temperature	T_{air} , RH	MCC cities; Global land surface	36
H_x	Humidex	T_{air} , RH	MCC cities; Global land surface	37
APT	Apparent Temperature	T_{air} , RH, W	MCC cities; Global land surface	24
UTCI	Universal Thermal Climate Index	T_{air} , RH, W	MCC cities; Global land surface	38
HI	Heat Index	T_{air} , RH	MCC cities; Global land surface	23

Table S4 The qAIC of Tair and each HSI obtained from DLNM analysis. The results are based on the daily mean value of indicators.

City	Country /Region	T _{air}	HI	UTCi	APT	Hk	T _{ewss}	T _{was}	Ts	Tw	BFI (Daily Mean)
Buenos Aires	Argentina	14080.3	14091.2	14108.8	14106.3	14118.4	14127.4	14115.5	14111.2	14158.8	Tair
Cordoba	Argentina	11762.6	11776.0	11800.3	11806.8	11809.7	11817.4	11815.7	11807.8	11831.6	Tair
Rosario	Argentina	11729.0	11753.7	11774.3	11787.2	11802.0	11815.9	11790.8	11792.0	11800.2	Tair
Brisbane	Australia	24786.5	24780.1	24794.3	24798.3	24812.6	24819.1	24781.1	24811.5	24832.6	HI
Melbourne	Australia	25734.8	25753.4	25749.6	25772.6	25788.7	25801.7	25790.2	25806.3	25837.1	Tair
Sydney	Australia	26871.0	26879.3	26952.2	26932.5	26911.3	26916.7	26898.2	26903.5	26933.9	Tair
Belo Horizonte	Brazil	25318.1	25294.6	25298.0	25295.2	25312.9	25325.0	25311.6	25306.6	25359.3	HI
Brasilia	Brazil	22592.7	22591.3	22596.7	22595.4	22603.6	22609.8	22604.3	22600.0	22610.2	HI
Curitiba	Brazil	23260.5	23263.0	23277.8	23269.4	23272.3	23275.0	23263.8	23270.9	23285.9	Tair
Caratinga	Brazil	12004.1	12001.4	12008.6	12005.7	12003.9	12004.4	12005.7	12003.0	12005.0	HI
Divinopolis	Brazil	15733.0	15731.7	15730.8	15732.7	15735.0	15735.9	15739.6	15737.3	15738.4	UTCi
Fortaleza	Brazil	25011.8	25011.3	25012.3	25007.2	25006.7	25005.4	25007.8	25010.0	25004.5	Tw
Juiz de Fora	Brazil	11573.3	11573.5	11572.6	11572.3	11572.6	11572.5	11571.9	11572.5	11572.6	TWBG
Londrina	Brazil	19530.6	19546.8	19555.2	19563.7	19584.3	19594.4	19568.7	19574.4	19620.0	Tair
Maceio	Brazil	21991.2	21995.4	22000.2	22001.7	21993.6	21994.9	21988.7	21992.7	21996.4	TWBG
Palmas	Brazil	13420.3	13415.5	13424.9	13426.3	13431.1	13435.7	13431.8	13430.6	13440.6	HI
Porto Alegre	Brazil	24434.1	24417.0	24482.3	24457.9	24450.6	24459.8	24460.0	24443.5	24496.3	HI
Rio Branco	Brazil	16514.4	16514.1	16517.4	16516.4	16515.0	16516.1	16515.0	16513.9	16519.0	Tw
Sao Luis	Brazil	19595.9	19603.4	19608.3	19613.3	19607.5	19608.6	19605.6	19605.7	19610.6	Tair
Salvador	Brazil	25042.7	25044.7	25045.8	25046.2	25050.8	25050.6	25047.2	25048.1	25051.4	Tair
Santa Maria	Brazil	17143.5	17140.7	17155.1	17149.2	17141.5	17142.2	17151.6	17141.2	17145.1	HI
Sao Paulo	Brazil	29389.3	29400.4	29501.1	29474.1	29504.7	29549.0	29502.1	29477.8	29700.2	Tair
Teresopolis	Brazil	14795.6	14792.6	14804.7	14801.5	14800.1	14801.1	14800.3	14799.5	14805.3	HI
Vitoria	Brazil	14915.8	14913.9	14922.6	14916.5	14913.4	14913.3	14912.6	14914.0	14912.9	TWBG
Abbotsford	Canada	20328.3	20328.2	20322.7	20326.8	20329.4	20330.1	20327.9	20329.6	20333.3	UTCi
Calgary	Canada	28449.1	28448.2	28445.0	28443.8	28446.0	28446.1	28447.4	28445.8	28444.7	Tw
Edmonton	Canada	29444.2	29444.6	29442.9	29444.8	29445.9	29446.0	29446.5	29446.6	29447.0	UTCi
Halifax	Canada	25213.6	25211.5	25214.6	25211.3	25210.1	25209.7	25212.3	25211.1	25208.5	Tw
Hamilton	Canada	27516.0	27518.8	27515.7	27517.1	27520.3	27520.9	27519.5	27519.2	27521.7	UTCi
Kingston	Canada	22203.3	22203.4	22209.3	22205.4	22202.5	22202.5	22202.7	22202.5	22202.1	Tw
Kitchener Waterloo	Canada	24965.2	24964.8	24965.7	24965.0	24967.4	24967.7	24966.6	24967.8	24970.1	HI
London Ontario	Canada	26550.1	26549.5	26552.8	26551.7	26552.4	26552.7	26550.6	26552.6	26554.4	HI
Montreal	Canada	34424.6	34417.3	34430.0	34426.5	34461.7	34471.6	34427.8	34459.8	34517.3	HI
Niagara	Canada	26916.7	26915.9	26937.7	26924.8	26920.0	26920.9	26918.0	26918.5	26923.3	HI

Oakville	Canada	23942.7	23941.6	23947.7	23944.0	23941.5	23941.5	23942.5	23941.6	23941.8	TsWBG
Oshawa	Canada	25197.7	25196.6	25202.8	25201.2	25198.0	25197.9	25197.4	25198.9	25197.2	HI
Ottawa	Canada	29296.6	29296.5	29299.2	29296.0	29298.0	29299.1	29300.3	29299.2	29303.4	APT
Regina	Canada	22649.6	22650.9	22648.9	22651.0	22651.7	22651.9	22650.9	22652.2	22651.0	UTC
Sarnia	Canada	18467.0	18467.8	18472.2	18469.3	18467.3	18467.4	18467.9	18467.2	18466.7	Tw
Sudbury	Canada	21471.1	21472.8	21481.5	21477.8	21477.1	21478.0	21474.7	21475.5	21480.4	Tair
Saint John NS	Canada	22033.8	22032.9	22031.8	22028.8	22029.7	22029.1	22027.6	22031.0	22027.2	Tw
St. John's NFL	Canada	23510.9	23511.4	23520.0	23514.4	23510.0	23510.5	23510.8	23510.7	23510.2	Tw
Sault Ste. Marie	Canada	18709.4	18707.8	18714.2	18706.3	18706.8	18706.7	18707.6	18707.0	18706.0	Tw
Saskatoon	Canada	23848.8	23847.8	23849.7	23847.8	23848.7	23849.2	23849.4	23850.0	23850.8	APT
Thunder Bay	Canada	20469.5	20468.0	20471.6	20467.8	20467.9	20467.8	20467.6	20468.8	20468.3	TWBG
Toronto	Canada	37307.4	37307.1	37323.2	37311.5	37309.2	37310.9	37314.2	37309.0	37317.9	HI
Victoria	Canada	25951.9	25952.6	25955.6	25957.2	25953.5	25953.8	25952.7	25952.9	25955.0	Tair
Vancouver	Canada	33381.7	33379.5	33393.2	33383.8	33380.2	33391.3	33394.6	33381.9	33389.8	HI
Windsor	Canada	25365.6	25366.8	25367.4	25365.4	25365.5	25365.7	25366.6	25365.4	25366.1	Tw
Winnipeg	Canada	29627.5	29624.1	29630.6	29625.0	29621.9	29621.4	29623.3	29622.0	29622.1	TsWBG
Chilán	Chile	4699.1	4699.8	4711.3	4707.4	4705.0	4706.2	4708.1	4704.4	4710.0	Tair
Santiago	Chile	8891.4	8895.4	8907.5	8907.9	8916.4	8923.4	8915.1	8920.0	8950.4	Tair
Temuco	Chile	6793.0	6792.0	6793.2	6790.4	6792.7	6793.1	6793.4	6793.4	6796.5	APT
Valparaíso	Chile	8305.5	8305.6	8310.0	8309.9	8308.0	8308.1	8308.1	8307.5	8307.7	Tair
Hong Kong	China	8896.4	8896.1	8898.1	8896.0	8895.2	8895.8	8893.9	8894.2	8895.0	TWBG
Lanzhou	China	4983.5	4985.4	4985.0	4986.0	4984.9	4984.5	4985.4	4985.2	4982.5	Tw
Shenyang	China	4925.5	4930.6	4930.9	4933.4	4940.0	4941.7	4934.7	4940.5	4945.1	Tair
Suzhou	China	4439.5	4454.5	4476.3	4476.5	4459.1	4467.0	4455.0	4452.4	4488.9	Tair
Taiyuan	China	5315.0	5328.1	5335.2	5343.0	5348.4	5351.5	5345.5	5351.8	5361.3	Tair
Tianjin	China	3693.5	3693.5	3697.8	3700.1	3702.8	3703.9	3701.8	3704.6	3707.7	HI
Xian	China	5711.5	5716.4	5719.0	5719.8	5718.3	5718.7	5720.2	5718.0	5717.9	Tair
Bogotá	Colombia	20188.9	20190.8	20178.8	20172.8	20169.2	20166.5	20173.4	20171.8	20172.0	TsWBG
Barranquilla	Colombia	15814.2	15815.6	15827.9	15823.5	15819.4	15820.3	15818.3	15817.3	15823.6	Tair
Cali	Colombia	17905.5	17904.5	17904.3	17902.2	17901.4	17902.0	17900.7	17901.3	17905.9	TWBG
Cartagena	Colombia	14154.2	14149.7	14154.6	14151.6	14153.5	14152.9	14152.4	14154.5	14152.1	HI
Medellín	Colombia	17891.0	17891.1	17893.9	17890.2	17888.6	17888.3	17891.8	17888.8	17890.1	TsWBG
San José	Costa Rica	13596.2	13597.8	13603.6	13603.9	13603.2	13602.4	13599.9	13602.6	13599.0	Tair
Brno	Czech Republic	19943.7	19941.6	19943.3	19941.8	19944.6	19946.7	19945.0	19945.8	19957.0	HI
Ostrava	Czech Republic	19389.7	19390.7	19400.7	19393.5	19395.0	19397.1	19393.9	19394.2	19406.8	Tair
Prague	Czech Republic	24393.8	24396.2	24408.9	24395.2	24405.5	24416.1	24399.0	24407.7	24468.6	HI

South Bohemia	Czech Republic	24055.7	24053.0	24071.0	24050.0	24063.7	24054.8	24059.0	24054.0	24062.7	He
Guayaquil	Ecuador	5656.1	5652.3	5657.0	5654.7	5652.4	5650.9	5654.9	5655.2	5645.3	Tw
Quito	Ecuador	5237.3	5232.6	5242.2	5234.4	5232.3	5234.1	5230.2	5230.8	5241.8	TWBG
Kahla-Jämsä linn	Estonia	13241.1	13241.4	13248.0	13246.0	13243.1	13243.7	13243.5	13242.8	13246.4	Tair
Narva linn	Estonia	13405.5	13405.5	13410.1	13408.4	13404.7	13404.0	13407.2	13400.5	13405.0	TsWBG
Pärnu linn	Estonia	12310.5	12310.4	12311.3	12309.5	12310.7	12310.9	12312.1	12310.7	12311.1	APT
Tallinn	Estonia	20460.3	20462.2	20479.7	20470.3	20472.9	20475.2	20469.5	20470.9	20483.0	Tair
Tartu linn	Estonia	14120.7	14120.4	14113.8	14119.1	14121.9	14122.4	14121.9	14121.6	14125.2	UTC
Helsinki	Finland	21215.0	21218.4	21226.9	21224.9	21230.2	21233.1	21225.3	21229.4	21242.1	Tair
Bordeaux	France	15074.4	15069.9	15073.0	15071.5	15076.3	15079.5	15079.5	15080.4	15097.6	Hi
Clermont-Ferrand	France	12579.5	12582.4	12587.3	12587.3	12592.1	12595.9	12597.1	12595.3	12610.6	Tair
Dijon	France	11764.7	11767.5	11767.8	11769.8	11717.0	11721.5	11721.3	11725.0	11738.3	Tair
Grenoble	France	13675.8	13673.5	13684.2	13687.2	13668.4	13668.1	13667.0	13670.0	13668.4	UTC
Le Havre	France	12682.2	12683.3	12683.2	12681.5	12686.2	12687.1	12689.8	12686.5	12692.6	API
Lille	France	16408.5	16408.4	16413.6	16405.8	16410.6	16411.7	16406.9	16412.7	16418.3	APT
Lens Douai	France	13982.0	13977.1	13998.8	13980.1	13971.0	13970.0	13976.4	13973.4	13969.7	Tw
Lyon	France	16171.5	16175.5	16162.1	16171.9	16209.7	16230.5	16220.7	16245.8	16319.4	UTC
Montpellier	France	13062.8	13062.2	13065.5	13063.7	13061.7	13061.7	13062.0	13062.2	13062.6	He
Marseille	France	16616.0	16618.5	16643.2	16636.1	16628.3	16631.0	16627.6	16623.0	16639.9	Tair
Nice	France	15025.3	15025.1	15045.9	15038.6	15036.0	15039.1	15040.1	15032.8	15048.8	Hi
Nancy	France	13309.9	13312.3	13309.1	13311.2	13317.0	13314.6	13317.5	13321.4	13328.7	UTC
Nantes	France	14491.3	14492.2	14507.7	14496.9	14499.9	14502.8	14502.4	14499.4	14525.0	Tair
Paris	France	22311.3	22278.8	22420.3	22392.9	22447.4	22497.8	22641.5	22666.4	22950.2	Hi
Rennes	France	11235.1	11234.5	11241.6	11236.9	11236.6	11237.0	11238.4	11236.6	11238.9	Hi
Rouen	France	14212.2	14212.7	14213.2	14213.3	14219.0	14221.1	14218.6	14221.1	14234.6	Tair
Strasbourg	France	13861.4	13864.6	13853.7	13867.0	13875.5	13879.6	13875.3	13880.3	13895.9	Tair
Toulouse	France	14947.0	14945.9	14954.2	14948.7	14945.6	14947.1	14946.1	14948.3	14952.4	He
Berlin	Germany	29794.8	29800.5	29888.3	29851.6	29893.1	29937.2	29917.5	29916.5	30117.4	Tair
Bremen	Germany	22923.1	22919.7	22915.3	22914.1	22916.9	22916.7	22914.0	22916.5	22920.3	TWBG
Dresden	Germany	22201.5	22203.1	22217.6	22209.8	22212.1	22215.5	22216.0	22214.0	22227.8	Tair
Dortmund	Germany	22923.4	22917.9	22936.1	22921.6	22914.1	22914.7	22920.7	22915.8	22923.4	He
Düsseldorf	Germany	22884.3	22880.5	22897.5	22885.4	22887.3	22891.1	22895.8	22887.0	22911.7	Hi
Frankfurt	Germany	23324.1	23324.4	23334.1	23333.3	23347.8	23360.8	23355.3	23367.0	23421.8	Tair
Hamburg	Germany	27247.3	27245.9	27282.1	27256.2	27252.2	27257.7	27256.2	27251.5	27286.0	Hi
Hannover	Germany	25292.7	25296.3	25311.4	25301.2	25311.1	25316.6	25309.2	25311.7	25340.4	Tair
Kaoh	Germany	24433.6	24433.5	24479.4	24457.2	24461.3	24472.6	24463.9	24466.6	24525.6	Hi

Leipzig	Germany	22879.7	22880.5	22892.2	22885.3	22890.8	22896.3	22890.5	22890.7	22922.0	Tair
Muenchen	Germany	25431.3	25426.4	25433.2	25424.6	25422.7	25422.8	25423.0	25424.4	25428.0	TWBG
Stuttgart	Germany	22449.3	22449.7	22451.2	22456.4	22462.1	22468.4	22465.2	22466.5	22491.9	Tair
Athens	Greece	12858.6	12867.8	12988.8	13015.6	12985.9	13034.8	13066.5	13037.6	13193.5	Tair
Guatemala	Guatemala	8109.5	8106.2	8104.3	8103.9	8105.3	8106.3	8104.1	8107.6	8120.1	APT
Mashhad	Iran	12091.1	12092.0	12107.0	12107.1	12104.7	12110.3	12114.7	12119.4	12133.8	Tair
Tehran	Iran	19360.9	19369.0	19379.2	19381.8	19392.3	19410.1	19420.7	19489.2	19520.5	HI
East of Northern Ireland	Ireland	25159.0	25158.6	25154.8	25153.2	25157.2	25157.2	25155.8	25157.1	25157.4	APT
NorthEast of the Republic of Ireland	Ireland										
NorthWest of the Republic of Ireland	Ireland	22326.5	22327.0	22325.1	22325.7	22328.6	22328.8	22325.2	22328.5	22328.3	UTC
SouthEast of the Republic of Ireland	Ireland	20510.3	20510.7	20516.0	20510.8	20510.8	20510.9	20509.5	20510.3	20510.5	TWBG
SouthWest of the Republic of Ireland	Ireland	25570.9	25571.3	25593.0	25581.4	25572.4	25572.8	25570.6	25571.4	25574.9	TWBG
West of Northern Ireland	Ireland	22970.6	22971.2	22989.6	22969.8	22972.8	22973.1	22970.3	22972.4	22974.0	UTC
Ancona	Italy	5707.4	5708.1	5711.7	5712.3	5710.7	5711.3	5712.7	5711.6	5712.9	Tair
Bari	Italy	8213.4	8215.6	8220.2	8221.4	8226.7	8231.4	8229.5	8225.5	8243.1	Tair
Bologna	Italy	9139.2	9138.8	9139.9	9142.5	9150.9	9156.8	9154.2	9151.6	9176.9	HI
Catania	Italy	6795.7	6792.3	6799.1	6794.0	6793.8	6796.6	6797.2	6793.0	6805.7	HI
Cagliari	Italy	7007.4	7008.7	7002.9	7005.2	7006.4	7005.6	7004.7	7006.9	7001.6	Tw
Civitavecchia	Italy	3914.6	3915.6	3916.4	3916.0	3913.3	3913.1	3914.3	3912.9	3910.6	Tw
Florence	Italy	9124.2	9120.8	9128.4	9123.9	9121.5	9123.2	9121.2	9121.9	9131.7	HI
Frosinone	Italy	4471.3	4471.9	4474.4	4473.0	4474.2	4475.1	4473.3	4474.0	4480.3	Tair
Genoa	Italy	10241.8	10236.0	10234.3	10228.4	10228.6	10228.5	10230.1	10231.1	10233.6	APT
Latina	Italy	6185.8	6185.5	6185.5	6187.2	6185.7	6185.7	6187.1	6184.9	6186.3	Tw
Milan	Italy	11016.0	11013.5	11017.6	11021.6	11030.0	11035.5	11027.3	11032.7	11055.2	HI
Naples	Italy	7658.8	7646.2	7674.0	7665.5	7651.6	7652.3	7657.6	7652.6	7657.6	HI
Palermo	Italy	7659.9	7657.3	7651.5	7658.1	7659.8	7661.3	7662.7	7657.9	7667.2	HI
Rieti	Italy	3769.9	3769.4	3770.0	3769.5	3769.5	3769.9	3769.4	3769.0	3771.8	Tw
Rome	Italy	12221.6	12223.1	12228.9	12230.4	12259.5	12273.8	12249.7	12252.7	12316.5	Tair
Trieste	Italy	8225.8	8224.0	8231.4	8228.8	8225.9	8226.9	8230.6	8225.0	8230.8	HI
Turin	Italy	10429.4	10413.7	10421.1	10420.6	10425.7	10430.4	10418.5	10426.2	10450.6	HI
Viterbo	Italy	4925.2	4927.7	4929.4	4929.9	4929.8	4930.0	4931.6	4930.7	4930.2	Tair
Aichi	Japan	47935.7	47893.3	47938.1	47916.3	47946.0	47966.6	47885.4	47931.8	48049.3	TWBG

Akita	Japan	39377.5	39367.1	39420.7	39389.9	39366.5	39367.1	39366.9	39366.8	39371.0	He
Aomori	Japan	39724.8	39727.1	39818.1	39774.2	39757.1	39769.5	39741.6	39748.9	39789.7	Tair
Chiba	Japan	46313.9	46306.3	46393.2	46348.5	46311.5	46314.2	46306.2	46308.5	46327.5	TWBG
Ehime	Japan	40044.3	40040.7	40077.0	40059.9	40045.2	40048.2	40045.6	40042.0	40061.7	HI
Fukushima	Japan	42025.6	42021.4	42051.3	42040.6	42035.4	42039.2	42029.7	42031.6	42066.5	HI
Fukuoka	Japan	46643.7	46625.5	46659.7	46636.0	46623.5	46627.2	46626.6	46617.7	46645.3	Tv
Fukui	Japan	36032.9	36032.1	36078.2	36051.0	36032.1	36033.4	36035.0	36030.4	36039.4	Ts
Gifu	Japan	41279.0	41275.7	41293.2	41275.7	41281.0	41287.4	41269.3	41272.8	41312.3	TWBG
Gunma	Japan	41253.6	41249.1	41266.6	41261.5	41270.0	41276.9	41252.4	41264.2	41306.4	HI
Hokkaido	Japan	47962.3	47941.2	48039.6	47982.9	47964.8	47967.0	47965.6	47964.7	47984.2	HI
Hiroshima	Japan	43579.0	43565.9	43604.3	43564.9	43559.8	43563.5	43562.0	43566.1	43582.2	Ts
Hyogo	Japan	47476.9	47481.3	47546.5	47493.8	47463.7	47467.8	47470.4	47480.7	47486.5	Tv
Ibaraki	Japan	43451.5	43451.5	43514.3	43484.1	43458.6	43462.1	43447.3	43453.9	43477.3	TWBG
Ishikawa	Japan	37927.2	37917.8	37932.0	37916.5	37911.8	37912.3	37917.3	37911.8	37938.2	He
Iwate	Japan	39752.3	39744.0	39782.0	39748.3	39740.2	39740.0	39747.4	39744.1	39744.0	TvTWBG
Kagawa	Japan	37563.5	37553.5	37587.3	37567.9	37555.1	37556.8	37556.5	37553.0	37566.6	Ts
Kagoshima	Japan	41639.7	41642.9	41659.4	41652.1	41636.3	41638.3	41634.2	41635.6	41643.8	TWBG
Kumamoto	Japan	41158.2	41155.0	41166.3	41148.0	41146.2	41146.9	41146.4	41146.1	41150.1	Tv
Kanagawa	Japan	48461.9	48448.9	48554.2	48516.0	48442.3	48444.2	48437.9	48441.8	48456.2	TWBG
Kochi	Japan	36834.5	36830.7	36848.0	36831.6	36825.5	36826.2	36829.6	36824.4	36830.1	Ts
Kyoto	Japan	42752.7	42756.0	42780.0	42757.8	42765.4	42778.6	42750.9	42761.3	42789.7	TWBG
Mie	Japan	40797.1	40794.2	40831.6	40808.9	40806.3	40813.2	40791.4	40796.4	40837.1	TWBG
Miyagi	Japan	41390.2	41382.7	41416.8	41398.7	41398.1	41401.7	41386.5	41393.8	41420.0	HI
Miyazaki	Japan	37925.7	37922.1	37962.4	37947.4	37927.1	37928.8	37923.4	37922.9	37933.4	HI
Nagano	Japan	42224.2	42209.1	42207.7	42189.7	42184.8	42182.2	42200.8	42188.0	42182.3	TvTWBG
Nara	Japan	38440.4	38436.7	38439.8	38436.2	38435.7	38437.3	38434.4	38435.7	38444.8	TWBG
Nagasaki	Japan	40380.1	40385.7	40427.9	40413.0	40384.8	40386.6	40382.1	40382.2	40393.4	Tair
Niigata	Japan	43197.7	43201.3	43316.9	43262.8	43200.3	43204.5	43207.7	43192.0	43220.9	Ts
Oita	Japan	38800.0	38795.1	38817.0	38803.3	38793.7	38795.8	38795.3	38790.4	38806.6	Ts
OKinawa	Japan	36633.6	36635.8	36625.2	36636.8	36641.1	36642.4	36632.7	36637.7	36646.8	UTC
Okayama	Japan	41377.8	41378.6	41388.3	41379.0	41375.3	41379.2	41369.6	41373.1	41389.1	TWBG
Osaka	Japan	50107.5	50085.8	50165.5	50108.3	50084.8	50094.7	50081.8	50084.5	50136.0	TWBG
Saga	Japan	36586.7	36580.7	36587.7	36579.3	36573.1	36572.0	36582.0	36574.9	36574.1	TvTWBG
Saitama	Japan	47213.9	47183.7	47279.9	47244.8	47190.2	47197.2	47182.4	47186.3	47231.1	TWBG
Shiga	Japan	37635.7	37631.0	37652.3	37632.6	37628.0	37628.7	37629.2	37626.6	37632.6	Ts
Shimane	Japan	36578.5	36576.8	36606.6	36597.3	36577.6	36578.3	36579.8	36577.5	36582.4	HI

Shizuoka	Japan	44455.0	44451.2	44526.7	44470.7	44442.2	44444.5	44447.6	44440.0	44454.9	Ts
Tochigi	Japan	40689.9	40693.5	40722.5	40706.3	40706.1	40711.1	40894.5	40701.9	40729.9	Tair
Tokushima	Japan	36554.5	36551.7	36588.1	36563.4	36556.3	36558.8	36547.4	36552.1	36567.6	TWBG
Tokyo	Japan	52358.7	52312.6	52486.6	52408.0	52329.6	52342.4	52320.0	52327.0	52412.2	Hi
Toyama	Japan	38269.7	38272.1	38284.7	38274.8	38277.7	38291.0	38270.8	38274.4	38293.6	Tair
Toytiri	Japan	34764.8	34767.1	34784.1	34775.5	34775.7	34778.5	34772.0	34772.6	34787.4	Tair
Wakayama	Japan	38344.4	38342.7	38395.5	38361.4	38345.0	38346.8	38343.5	38344.0	38355.1	Hi
Yamaguchi	Japan	40388.0	40377.8	40419.5	40383.1	40357.9	40359.0	40375.1	40360.6	40369.3	He
Yamagata	Japan	39263.7	39254.9	39280.2	39264.2	39254.3	39254.8	39256.8	39255.2	39259.2	He
Yamanashi	Japan	35909.3	35908.2	35916.6	35908.2	35908.8	35910.1	35907.0	35907.0	35917.1	Ts
Kuwait	Kuwait	16056.2	16055.0	16054.1	16045.8	16043.0	16040.0	16038.5	16033.3	16033.2	Tw
Ciudad Juarez	Mexico	15994.8	15996.6	15997.3	16011.0	16032.3	16050.1	16043.8	16054.4	16065.4	Tair
Comarca Lagunera	Mexico	16481.6	16476.1	16483.3	16470.3	16468.0	16478.4	16475.4	16494.6	16521.8	He
Guadaluajara	Mexico	20139.4	20147.7	20156.6	20172.6	20182.1	20185.8	20173.9	20183.2	20190.6	Tair
Leon	Mexico	16799.0	16800.6	16820.6	16824.7	16826.2	16827.5	16818.0	16824.2	16824.0	Tair
Monterrey	Mexico	19610.6	19665.1	19646.8	19691.9	19732.1	19785.3	19726.3	19764.5	19834.4	Tair
Puebla-Tlaxcala	Mexico	18518.9	18517.0	18516.4	18514.7	18514.9	18517.0	18512.7	18514.3	18537.9	TWBG
San Luis Potosi	Mexico	15632.0	15625.5	15628.1	15620.2	15624.0	15628.0	15624.1	15624.4	15647.4	APT
Tijuana	Mexico	16424.5	16426.5	16439.2	16433.0	16435.7	16438.5	16433.1	16435.2	16449.4	Tair
Toluca de Lerdo	Mexico	17196.9	17196.1	17204.5	17201.9	17206.7	17209.5	17196.3	17204.3	17210.6	Hi
Valley of Mexico	Mexico	24720.2	24734.7	24804.4	24785.0	24797.8	24831.9	24765.1	24831.4	24931.8	Tair
Arteni Noi	Moldova	1712.8	1712.6	1712.6	1712.7	1713.5	1714.1	1713.5	1713.9	1717.4	UTC
Cahul	Moldova	3412.1	3410.6	3412.4	3410.2	3408.5	3408.4	3408.8	3408.8	3409.5	TsWBG
Chisinau	Moldova	9621.3	9635.0	9641.1	9643.0	9651.6	9656.7	9656.6	9656.6	9669.7	Tair
Falesti	Moldova	2523.4	2520.5	2519.3	2518.1	2515.1	2513.0	2516.3	2514.7	2520.2	Tw
Amsterdam	Netherlands	21437.6	21441.1	21449.6	21449.5	21453.0	21456.3	21457.0	21452.9	21466.3	Tair
Den Haag	Netherlands	20226.7	20230.4	20242.1	20233.9	20236.6	20237.4	20234.4	20235.4	20237.9	Tair
Eindhoven	Netherlands	17060.6	17061.9	17051.9	17064.1	17064.6	17065.9	17062.1	17062.8	17070.6	Tair
Rotterdam	Netherlands	21571.9	21572.8	21588.1	21576.4	21578.8	21580.9	21576.1	21579.5	21590.3	Tair
Utrecht	Netherlands	17150.3	17149.7	17161.7	17154.8	17148.1	17148.2	17150.0	17147.3	17146.9	Tw
Oslo	Norway	36693.0	36697.2	36730.2	36712.5	36707.4	36710.8	36707.5	36705.1	36722.4	Tair
Panama	Panama	3483.1	3485.3	3489.5	3486.8	3484.6	3484.4	3485.3	3485.0	3484.3	Tair
Asuncion	Paraguay	13472.8	13522.5	13491.5	13535.6	13551.4	13567.2	13550.8	13542.1	13589.9	Tair
Apurimac	Peru	4637.0	4638.6	4639.6	4641.1	4642.4	4642.0	4637.9	4641.9	4638.6	Tair
Arequipa	Peru	5567.5	5563.5	5563.2	5565.6	5571.2	5571.3	5573.8	5570.5	5563.3	UTC
Ayacucho	Peru	5222.3	5222.3	5223.5	5226.6	5226.7	5226.6	5226.8	5226.8	5224.8	Tair

Cajamarca	Peru	6380.7	6375.6	6385.5	6376.2	6370.0	6372.2	6374.2	6369.4	6386.1	Ts
Cusco	Peru	6183.9	6185.4	6187.3	6187.5	6188.9	6188.8	6185.4	6187.7	6189.9	Tair
Huancavelica	Peru	4749.5	4748.6	4749.6	4747.7	4748.1	4748.2	4750.0	4748.4	4748.6	APT
Huánuco	Peru	5796.4	5795.5	5790.4	5792.1	5790.8	5789.7	5794.9	5790.9	5788.7	Tw
Ica	Peru	5977.9	5980.2	5984.1	5987.4	5989.3	5989.8	5983.9	5987.8	5988.0	Tair
Iquim	Peru	6560.4	6560.4	6563.9	6560.7	6562.8	6563.9	6558.8	6562.1	6570.7	TWBG
Lima	Peru	9078.4	9078.5	9078.3	9083.4	9084.6	9086.5	9081.7	9081.7	9091.4	UTC
La Libertad	Peru	7070.7	7071.3	7071.5	7071.5	7070.1	7069.7	7074.4	7069.2	7068.5	Tw
Lambayeque	Peru	6578.3	6576.8	6560.9	6565.8	6572.2	6571.5	6573.8	6573.9	6569.9	UTC
Loreto	Peru	3812.7	3811.5	3811.5	3812.7	3812.5	3812.8	3813.1	3811.9	3812.5	UTC
Piura	Peru	6963.3	6959.6	6970.5	6969.2	6974.9	6979.5	6967.6	6969.7	6967.8	Hi
Puno	Peru	6058.0	6059.9	6072.6	6068.8	6073.1	6075.0	6065.7	6074.4	6065.8	Tair
San Martín	Peru	4961.3	4957.7	4951.7	4952.0	4950.8	4948.5	4958.7	4954.6	4944.9	Tw
Tarma	Peru	4210.0	4207.5	4215.9	4208.0	4207.0	4208.0	4209.3	4208.2	4212.1	Hi
Ucayali	Peru	4765.8	4767.2	4778.9	4778.3	4778.7	4779.9	4777.0	4776.0	4781.0	Tair
Bacoor	Philippines	7774.3	7788.2	7779.4	7782.0	7796.1	7800.0	7776.5	7788.8	7804.9	Tair
Cebu	Philippines	7006.1	7008.8	7034.1	7034.5	7006.8	7005.8	7006.7	7008.1	7005.4	Tw
Calicut	Philippines	14596.3	14592.6	14613.0	14604.2	14595.7	14598.8	14590.8	14593.2	14616.7	TWBG
Davao	Philippines	7494.7	7495.3	7510.0	7507.7	7509.9	7514.2	7497.3	7504.4	7521.1	Tair
Las Pinas	Philippines	12446.2	12450.5	12465.0	12466.8	12454.7	12457.9	12449.6	12451.0	12476.6	Tair
Makati	Philippines	11926.2	11925.3	11938.9	11937.0	11929.2	11936.0	11925.4	11923.2	11950.7	Ts
Manila	Philippines	15796.5	15805.5	15882.0	15871.0	15824.7	15844.9	15814.0	15808.1	15903.1	Tair
Muntinlupa	Philippines	11637.7	11650.4	11652.5	11654.5	11654.7	11655.8	11644.7	11651.6	11657.1	Tair
Pasig	Philippines	12775.9	12764.1	12794.7	12787.5	12768.8	12778.4	12770.2	12763.2	12810.9	Ts
Quezon	Philippines	7066.8	7063.9	7070.0	7069.2	7066.4	7066.5	7066.8	7065.3	7070.3	Hi
Taguig	Philippines	12274.7	12289.6	12290.2	12289.6	12292.5	12295.7	12283.5	12288.2	12300.7	Tair
Valenzuela	Philippines	12286.6	12282.5	12282.2	12281.6	12284.4	12286.3	12283.1	12282.5	12294.3	APT
Zamboanga	Philippines	5582.1	5583.6	5595.7	5591.8	5586.0	5586.3	5584.6	5585.2	5585.1	Tair
Beja	Portugal	31109.8	31104.7	31108.6	31107.3	31114.8	31124.6	31118.6	31131.2	31188.4	Hi
Coimbra	Portugal	36699.7	36684.2	36617.4	36604.9	36623.2	36630.8	36625.4	36623.6	36728.8	Hi
Castelo Branco	Portugal	32794.0	32787.2	32790.0	32789.2	32804.2	32820.9	32821.3	32836.9	32932.9	Hi
Faro	Portugal	35583.9	35596.8	35731.2	35714.5	35704.6	35739.9	35709.5	35673.6	35851.5	Tair
Lisboa	Portugal	47204.3	47153.5	47541.6	47376.7	47301.5	47404.9	47328.0	47263.5	47981.9	Hi
Porto	Portugal	43790.2	43735.6	44014.6	43893.2	43795.9	43824.7	43824.7	43773.4	43966.1	Hi
San Juan	Puerto Rico	7015.7	7018.4	7017.0	7019.4	7017.1	7017.1	7019.6	7016.3	7016.6	Tair
Bucharest	Romania	28253.3	28278.5	28304.3	28328.3	28388.7	28440.9	28405.3	28419.5	28615.6	Tair

Brasov	Romania	19265.3	19265.1	19265.7	19264.5	19266.2	19267.1	19265.5	19266.0	19266.6	APT
Cluj-Napoca	Romania	19384.9	19383.1	19384.3	19388.3	19387.6	19389.2	19390.2	19386.8	19397.7	HI
Constanta	Romania	19876.7	19868.2	19869.1	19864.4	19862.8	19861.9	19860.4	19863.9	19862.4	TWOG
Craiova	Romania	18785.0	18784.0	18787.7	18787.1	18790.6	18795.2	18793.8	18796.7	18813.5	HI
Galati	Romania	18926.1	18930.1	18929.8	18933.6	18927.6	18941.0	18938.9	18938.9	18950.9	Tair
Iasi	Romania	19085.4	19087.0	19087.5	19090.9	19091.9	19094.4	19093.6	19096.3	19104.5	Tair
Timisoara	Romania	19596.3	19598.1	19595.0	19598.1	19610.1	19617.1	19612.5	19613.0	19643.1	UTC
Alfred Nzo	South Africa	17274.6	17272.9	17290.4	17283.6	17285.1	17290.8	17290.1	17284.5	17317.8	HI
Amajuba	South Africa	16388.0	16390.7	16407.4	16400.4	16399.2	16400.8	16399.1	16399.7	16407.2	Tair
Amathole	South Africa	19689.6	19688.6	19699.2	19698.1	19704.2	19710.7	19703.8	19705.3	19744.5	HI
Buffalo City	South Africa	18582.6	18579.2	18617.2	18594.6	18589.4	18593.1	18589.2	18587.7	18612.2	HI
Bojanala	South Africa	19207.9	19202.5	19220.5	19257.6	19325.8	19379.9	19338.3	19362.7	19485.0	HI
Cacadu	South Africa	15658.7	15657.7	15648.9	15652.1	15663.5	15669.0	15665.5	15675.3	15685.3	UTC
Chris Hani	South Africa	18159.8	18161.5	18181.1	18187.7	18186.2	18196.0	18203.3	18199.5	18233.6	Tair
Central Karoo	South Africa	10764.2	10768.7	10770.8	10774.5	10776.6	10778.3	10775.8	10779.1	10780.2	Tair
City of Cape Town	South Africa	21504.5	21504.9	21556.3	21515.1	21515.7	21519.8	21511.1	21513.1	21540.3	Tair
Capricorn	South Africa	18888.7	18930.0	18929.6	18935.2	18964.5	18983.4	18967.2	18965.7	19037.3	Tair
Cape Winelands	South Africa	16593.8	16583.6	16590.9	16584.5	16587.7	16595.5	16587.1	16603.3	16642.7	HI
City of Johannesburg	South Africa	22164.6	22172.7	22265.6	22249.2	22274.1	22300.6	22282.4	22273.9	22370.0	Tair
City of Tshwane	South Africa	20592.5	20602.3	20655.4	20672.0	20726.4	20768.0	20724.0	20740.6	20891.4	Tair
Dr Kenneth Kaunda	South Africa	18029.2	18029.6	18054.7	18060.2	18071.2	18088.0	18088.8	18081.4	18126.4	Tair
Dr Ruth Segomotsi Momosi	South Africa	16101.4	16115.2	16139.1	16149.9	16153.6	16160.3	16163.9	16159.8	16165.0	Tair
Eden	South Africa	15773.0	15775.5	15771.8	15776.9	15783.1	15786.3	15780.8	15787.4	15798.0	UTC
Enlizeni	South Africa	19766.4	19762.8	19771.9	19782.7	19814.9	19831.3	19795.1	19813.5	19887.7	HI
Eurhuleni	South Africa	21176.9	21181.7	21203.2	21201.8	21229.7	21246.3	21229.0	21233.2	21299.3	Tair
eThekweni	South Africa	22210.3	22203.7	22292.7	22263.2	22247.9	22255.7	22215.7	22236.1	22286.7	HI
Frances Baard	South Africa	16172.4	16190.1	16180.3	16227.5	16267.8	16280.5	16268.8	16284.6	16282.3	Tair
Fezile Dabi	South Africa	16680.4	16673.4	16681.4	16671.1	16678.5	16685.0	16673.0	16682.1	16711.5	APT
Gert Sibande	South Africa	18727.7	18727.4	18755.2	18741.3	18739.1	18744.0	18744.4	18738.4	18766.1	HI
Greater Sekhukhune	South Africa	18134.5	18135.9	18153.2	18151.3	18160.3	18169.9	18157.6	18160.4	18201.4	Tair
Bembe	South Africa	16529.8	16530.8	16589.5	16580.7	16556.5	16561.0	16549.5	16549.0	16576.4	Tair
Joe Gqabi	South Africa	15418.4	15416.2	15421.2	15420.3	15419.2	15422.1	15423.9	15424.2	15430.9	HI
John Tsolo Gaetsewe	South Africa	13500.1	13495.7	13508.6	13517.2	13528.3	13537.0	13534.6	13537.5	13540.5	HI
Lejweletswa	South Africa	18339.5	18354.6	18355.7	18381.8	18402.8	18410.4	18413.9	18413.0	18410.6	Tair
Mangaung	South Africa	18861.6	18846.0	18861.5	18858.2	18877.9	18896.6	18894.5	18906.5	18933.8	HI

Mooani	South Africa	17975.0	17985.4	17981.3	17995.9	18024.9	18039.8	18010.4	18031.2	18085.4	Tair
Ngaka Modiri Molema	South Africa	17894.0	17903.2	17904.3	17928.9	17958.8	17969.4	17964.0	17968.7	17979.9	Tair
Nkangala	South Africa	18775.2	18778.9	18784.4	18781.5	18794.8	18802.0	18793.3	18797.2	18830.1	Tair
Nelson Mandela Bay	South Africa	19132.4	19135.6	19120.7	19126.0	19143.0	19145.7	19138.5	19146.6	19155.8	UTC
Namakwa	South Africa	10832.8	10829.2	10833.2	10830.9	10829.8	10831.8	10834.0	10834.8	10840.8	HI
O. R. Tambo	South Africa	18909.2	18914.2	18913.4	18920.1	18934.2	18941.5	18922.4	18932.4	18973.5	Tair
Overberg	South Africa	12941.0	12942.0	12954.6	12955.2	12942.3	12942.2	12942.2	12943.1	12943.7	UTC
Poley-ka Seme	South Africa	13834.6	13836.5	13835.7	13840.7	13847.9	13851.0	13851.7	13855.0	13855.5	Tair
Sedibeng	South Africa	18286.0	18295.0	18316.4	18313.4	18343.3	18355.0	18345.1	18350.3	18383.8	Tair
Sisonke	South Africa	16647.7	16649.9	16640.5	16648.8	16659.9	16664.9	16659.9	16659.2	16689.0	UTC
Siyanda	South Africa	14288.2	14287.4	14282.5	14290.6	14313.9	14321.2	14316.9	14327.9	14334.0	UTC
Tsabo Motusenyane	South Africa	18838.0	18838.4	18851.8	18851.4	18852.3	18858.9	18853.8	18852.4	18883.8	Tair
Ugu	South Africa	18098.4	18096.6	18110.1	18102.1	18103.2	18105.8	18100.5	18100.4	18138.0	HI
uMgungundlovu	South Africa	19043.9	19059.3	19090.2	19065.1	19101.9	19114.3	19098.6	19096.8	19163.6	Tair
uMkhanyakude	South Africa	16468.2	16467.1	16451.9	16460.2	16474.1	16477.1	16464.5	16474.0	16487.2	AFT
uMzinyathi	South Africa	16966.1	16960.2	16965.5	16964.9	16974.6	16982.7	16975.8	16977.6	17014.2	HI
uThukela	South Africa	17831.0	17838.2	17848.5	17851.3	17861.0	17869.4	17857.4	17867.4	17905.5	Tair
uThungulu	South Africa	18456.4	18464.6	18475.8	18480.4	18488.2	18508.9	18483.2	18497.7	18547.9	Tair
Vhembe	South Africa	17511.5	17529.3	17513.0	17546.9	17599.0	17620.6	17596.7	17614.6	17684.7	Tair
West Coast	South Africa	15139.9	15139.7	15145.3	15140.8	15146.1	15148.9	15143.5	15144.1	15161.3	HI
West Rand	South Africa	18008.2	18012.0	18026.8	18024.1	18034.3	18041.2	18032.1	18035.0	18058.6	Tair
Waterberg	South Africa	15706.1	15702.5	15706.5	15705.9	15718.7	15728.1	15720.0	15725.0	15737.2	HI
Xhariep	South Africa	14776.2	14783.1	14787.7	14800.3	14809.2	14811.4	14805.8	14812.4	14803.6	Tair
Zululand	South Africa	17038.3	17035.6	17041.8	17039.8	17041.2	17042.6	17040.1	17042.8	17049.8	HI
Ansoong	South Korea	16024.3	16023.1	16024.3	16022.8	16023.0	16023.1	16021.4	16023.1	16025.1	TW9G
Boryeong	South Korea	14093.4	14090.8	14095.7	14092.5	14087.3	14086.7	14089.4	14088.5	14084.8	Tw
Busan	South Korea	26270.7	26264.8	26295.8	26285.0	26268.7	26268.9	26264.3	26266.2	26269.6	TW9G
Chuncheon	South Korea	16315.7	16315.8	16316.8	16316.1	16316.3	16316.5	16313.9	16314.9	16317.1	TW9G
Chungju	South Korea	15885.5	15886.9	15887.3	15886.0	15886.8	15886.9	15885.6	15885.7	15887.5	Tair
Cheonan	South Korea	17650.9	17648.2	17650.2	17648.6	17646.9	17647.2	17647.0	17646.6	17648.7	Tw
Daejeon	South Korea	24321.2	24320.2	24321.3	24321.1	24331.7	24336.8	24321.9	24328.0	24353.9	HI
Daejeon	South Korea	21697.5	21696.7	21691.9	21687.9	21686.3	21685.9	21687.7	21685.5	21684.9	Tw
Donghae	South Korea	12587.6	12587.7	12593.3	12591.5	12587.9	12588.0	12589.7	12588.2	12588.1	Tair
Geosae	South Korea	14357.0	14357.0	14360.5	14358.6	14356.4	14356.3	14356.5	14356.8	14356.3	Tw
Gangneung	South Korea	16077.7	16081.1	16086.0	16084.5	16084.7	16085.7	16080.7	16082.8	16085.6	Tair
Gum	South Korea	15881.2	15880.6	15883.4	15880.6	15877.5	15877.3	15880.3	15877.5	15877.2	Tw

Dwangju	South Korea	21625.1	21627.4	21624.3	21624.2	21632.6	21634.0	21627.2	21631.5	21638.9	APT
Icheon	South Korea	14497.3	14496.9	14499.8	14497.9	14497.3	14497.8	14495.6	14497.0	14500.3	TWBG
Incheon	South Korea	24353.8	24351.9	24358.2	24362.5	24352.2	24352.8	24353.0	24350.3	24355.5	Tv
Jecheon	South Korea	14287.6	14288.7	14289.4	14289.7	14290.4	14290.7	14290.3	14290.7	14291.8	Tair
Jeju	South Korea	16378.6	16377.7	16399.7	16368.4	16378.7	16379.2	16379.7	16378.2	16381.1	APT
Jeju	South Korea	17192.8	17193.2	17192.0	17192.8	17193.5	17193.8	17193.9	17193.5	17194.9	UTC
Jeongju	South Korea	15256.7	15256.7	15249.0	15250.0	15257.5	15257.9	15253.9	15256.8	15259.4	UTC
Jeongyang	South Korea	14817.4	14816.1	14823.3	14828.1	14814.1	14814.0	14814.7	14814.1	14824.4	TsWBG
Jeungyeong	South Korea	13252.7	13256.4	13249.5	13252.5	13257.3	13258.2	13252.9	13257.0	13259.6	UTC
Mokpo	South Korea	15432.5	15433.0	15429.2	15431.6	15433.2	15433.4	15431.8	15433.4	15434.0	UTC
Namwon	South Korea	13692.2	13694.9	13694.2	13695.7	13701.9	13703.5	13695.7	13699.2	13705.7	Tair
Pohang	South Korea	18544.4	18544.8	18555.7	18551.8	18548.9	18549.8	18548.1	18548.4	18552.9	Tair
Seoul	South Korea	29253.7	29250.7	29289.6	29264.5	29254.9	29261.5	29255.2	29248.8	29289.7	Ts
Seosan	South Korea	14510.5	14510.9	14512.7	14510.0	14509.1	14509.0	14509.6	14508.8	14507.9	Tw
Seogyupo	South Korea	13011.7	13014.2	13005.9	13009.1	13011.2	13011.1	13010.0	13010.2	13009.2	UTC
Sokcho	South Korea	11811.3	11811.1	11811.9	11811.0	11809.3	11809.2	11809.5	11809.7	11808.4	Tw
Suwon	South Korea	19733.5	19735.8	19739.4	19737.9	19738.6	19739.4	19736.2	19737.5	19741.4	Tair
Taebaek	South Korea	10092.4	10093.0	10089.2	10090.2	10093.6	10093.7	10092.6	10093.9	10093.4	UTC
Tongyeong	South Korea	14167.5	14167.8	14171.7	14170.9	14268.2	14168.4	14167.1	14167.2	14169.6	TWBG
Ulsan	South Korea	20206.0	20202.6	20217.4	20209.0	20201.5	20201.8	20204.7	20202.3	20204.5	Hs
Wonju	South Korea	16556.5	16556.9	16560.1	16559.5	16559.1	16559.4	16558.2	16559.2	16560.5	Tair
Yeosu	South Korea	16780.0	16780.6	16789.1	16784.6	16776.9	16776.5	16779.0	16778.1	16776.1	Tw
Yeongcheon	South Korea	14540.1	14538.9	14540.3	14542.0	14543.1	14544.0	14542.0	14543.8	14547.8	HI
Yeongju	South Korea	14327.2	14328.2	14325.4	14325.5	14327.2	14327.5	14324.7	14326.0	14328.5	TWBG
A Coruna	Spain	19771.7	19770.3	19772.5	19766.5	19768.1	19768.1	19766.2	19768.7	19768.8	TWBG
Albacete	Spain	16036.9	16037.3	16040.5	16039.1	16035.7	16036.1	16039.6	16038.0	16041.2	Hs
Alicante	Spain	20019.1	20017.5	20031.3	20025.5	20017.4	20018.4	20021.3	20017.7	20021.7	Hs
Almeria	Spain	17184.5	17192.2	17213.5	17214.2	17204.8	17205.0	17208.7	17204.4	17202.5	Tair
Avila	Spain	11833.1	11833.5	11841.2	11838.3	11836.4	11838.1	11841.0	11839.4	11845.7	Tair
Badajoz	Spain	15864.3	15864.3	15866.5	15866.9	15864.8	15865.1	15866.7	15866.8	15868.5	HI
Bilbao	Spain	21635.5	21631.2	21620.7	21624.0	21631.1	21632.0	21629.4	21630.7	21637.9	UTC
Barcelona	Spain	28741.6	28783.5	28812.8	28825.1	28855.1	28870.6	28844.6	28844.0	28909.6	Tair
Burgos	Spain	17659.1	17657.3	17663.0	17660.2	17656.7	17657.0	17660.2	17656.1	17660.1	Ts
Cadix	Spain	16859.2	16860.7	16903.8	16900.5	16877.1	16882.8	16886.7	16874.8	16898.6	Tair
Caceres	Spain	13531.3	13533.7	13530.5	13533.6	13540.5	13542.9	13544.7	13543.4	13551.1	UTC
Ciudad Real	Spain	12953.5	12954.6	12950.9	12955.5	12959.1	12961.3	12958.3	12968.0	12970.9	UTC

Ceuta	Spain	12403.2	12434.1	12404.7	12405.5	12405.0	12404.5	12405.7	12405.7	12404.4	Tair
Cordoba	Spain	20157.0	20156.7	20158.8	20163.4	20176.1	20184.4	20177.7	20191.0	20224.6	Hi
Castellon	Spain	16719.8	16715.0	16713.6	16712.1	16711.8	16711.8	16711.5	16712.0	16711.1	Tw
Caenca	Spain	12107.6	12107.4	12113.2	12113.7	12108.5	12109.6	12113.5	12112.3	12115.3	Hi
Guadelaajara	Spain	12528.3	12527.5	12532.0	12529.1	12527.7	12527.7	12531.5	12526.7	12528.5	Ts
Girona	Spain	13575.3	13574.7	13573.6	13575.0	13573.4	13573.2	13574.9	13573.6	13572.8	Tw
Granada	Spain	19426.5	19427.9	19434.3	19436.7	19438.3	19442.6	19445.5	19447.3	19460.0	Tair
Huelva	Spain	16460.6	16457.2	16453.5	16456.4	16460.7	16462.9	16460.0	16463.9	16472.7	UTC
Huesca	Spain	12160.8	12163.6	12163.2	12165.5	12173.0	12176.0	12173.8	12176.0	12185.9	Tair
Jaen	Spain	14945.8	14946.2	14944.7	14946.3	14950.3	14952.7	14952.0	14953.5	14962.6	UTC
Leon	Spain	17108.7	17108.8	17109.6	17110.5	17109.2	17109.0	17110.5	17107.3	17108.5	Ts
Logrono	Spain	16496.3	16498.7	16503.0	16502.0	16503.3	16504.3	16504.7	16503.3	16507.1	Tair
Llrida	Spain	16112.7	16107.0	16111.8	16104.8	16101.1	16100.1	16101.9	16098.8	16098.7	Tw
Lugo	Spain	15221.2	15220.9	15220.2	15220.2	15221.2	15221.5	15219.4	15220.6	15222.5	TWWS
Malaga	Spain	22761.5	22783.3	22807.4	22814.3	22825.9	22834.3	22832.4	22827.2	22850.3	Tair
Madrid	Spain	30938.0	30922.8	30933.9	30944.1	30964.2	30999.0	31000.4	31075.2	31205.0	Hi
Melilla	Spain	11541.8	11550.9	11541.3	11548.8	11552.0	11551.9	11552.6	11551.2	11551.8	UTC
Murcia	Spain	20314.0	20304.5	20322.3	20313.7	20311.6	20315.3	20314.5	20311.9	20326.4	Hi
Ourense	Spain	15815.2	15815.4	15823.6	15818.2	15816.0	15816.7	15818.0	15813.7	15820.5	Ts
Oviedo	Spain	19140.0	19140.3	19139.0	19140.2	19142.7	19143.8	19140.3	19142.2	19145.6	UTC
Palmas S. Canaria	Spain	20428.6	20426.2	20431.2	20428.6	20423.0	20422.9	20423.8	20423.7	20423.9	TWWS
Palma Mallorca	Spain	20827.7	20827.1	20839.6	20832.2	20827.1	20828.4	20831.8	20825.7	20832.9	Ts
Palencia	Spain	14671.5	14672.8	14680.6	14675.3	14675.6	14676.4	14674.6	14676.8	14678.7	Tair
Pamplona	Spain	18215.2	18218.5	18220.4	18224.8	18230.6	18234.5	18231.6	18231.5	18248.0	Tair
Pontevedra	Spain	13503.5	13502.7	13500.8	13501.4	13504.3	13505.1	13502.3	13501.3	13509.5	UTC
Segovia	Spain	12481.6	12482.7	12485.6	12483.7	12483.8	12484.3	12485.9	12485.5	12486.6	Tair
Salamanca	Spain	17729.2	17731.1	17735.7	17736.6	17737.5	17739.5	17743.2	17740.5	17745.7	Tair
San Sebastian	Spain	18414.4	18412.5	18425.0	18417.5	18413.0	18413.4	18413.8	18412.9	18415.1	Hi
Santander	Spain	18514.2	18512.8	18514.7	18511.7	18509.4	18508.0	18509.4	18510.3	18507.6	Tw
Soria	Spain	10176.9	10177.1	10176.2	10178.9	10180.4	10181.5	10183.0	10182.8	10185.3	UTC
Sevilla	Spain	23974.1	23963.8	23961.8	23966.6	23991.7	24010.7	23997.9	24024.5	24095.9	UTC
Teruel	Spain	10239.8	10239.7	10238.9	10240.7	10240.7	10240.9	10241.7	10241.5	10240.2	UTC
Tenerife	Spain	18111.4	18111.9	18111.9	18111.0	18114.9	18115.2	18112.1	18114.7	18125.7	APT
Toledo	Spain	12729.4	12725.9	12729.2	12726.9	12725.2	12726.6	12727.2	12727.8	12782.0	Hi
Tarragona	Spain	15440.3	15437.0	15436.2	15435.8	15438.4	15439.4	15434.6	15438.4	15442.0	TWWS
Vitoria	Spain	18109.1	18107.5	18109.9	18107.1	18105.0	18104.9	18104.7	18106.9	18105.1	TWWS

Valadolid	Spain	20431.2	20430.6	20429.2	20428.8	20431.1	20432.6	20435.0	20433.7	20441.8	APT
Valencia	Spain	24900.9	24894.7	24893.1	24891.7	24892.0	24892.4	24894.7	24894.0	24896.4	APT
Zamora	Spain	13438.0	13438.3	13440.3	13439.8	13439.8	13440.5	13460.5	13441.8	13446.3	Tair
Zaragoza	Spain	24005.8	24006.9	24014.2	24010.1	24025.9	24033.2	24031.0	24038.5	24061.3	Tair
Gothenburg	Sweden	26945.8	26947.1	26949.1	26950.5	26953.6	26955.3	26954.6	26954.0	26962.5	Tair
Malmö	Sweden	25520.1	25518.7	25531.0	25519.0	25518.0	25518.7	25519.2	25517.9	25521.8	Tv
Stockholm	Sweden	30502.1	30497.5	30507.2	30495.6	30492.8	30491.9	30494.4	30495.5	30490.2	Tw
Basel	Switzerland	14757.9	14757.6	14755.6	14756.9	14758.4	14758.5	14757.1	14759.3	14759.1	UTC
Bern	Switzerland	13639.6	13639.1	13640.6	13639.5	13638.0	13637.8	13638.9	13638.1	13637.9	TW&G
Geneve	Switzerland	13534.7	13536.2	13533.2	13537.8	13540.5	13541.8	13539.4	13540.6	13546.2	UTC
Lausanne	Switzerland	12464.0	12465.7	12469.2	12468.1	12468.4	12469.0	12468.9	12467.5	12471.2	Tair
Lugano	Switzerland	13730.8	13730.4	13732.0	13730.9	13731.1	13731.8	13731.4	13730.6	13733.7	Hi
Luzern	Switzerland	11472.1	11472.9	11474.8	11475.0	11476.2	11476.9	11477.5	11476.9	11481.0	Tair
St. Gallen	Switzerland	10952.7	10952.6	10953.3	10952.7	10952.4	10952.2	10952.4	10952.1	10950.9	Tw
Zürich	Switzerland	17084.3	17081.3	17081.2	17077.5	17072.5	17070.5	17077.9	17073.2	17064.6	Tw
Koohsiung	Taiwan	24427.5	24430.4	24440.7	24442.0	24435.1	24438.1	24427.9	24430.6	24446.9	Tair
Taipei	Taiwan	26435.9	26434.8	26458.8	26454.2	26441.9	26447.2	26431.6	26436.8	26465.1	TW&G
Taihuang	Taiwan	23396.2	23395.2	23398.1	23397.3	23397.5	23398.0	23395.4	23396.4	23398.7	Hi
Amnat Charoen	Thailand	6643.0	6647.5	6648.0	6650.3	6651.4	6653.5	6650.7	6650.1	6656.5	Tair
Ayutthaya	Thailand	8295.6	8297.5	8293.8	8295.2	8301.7	8304.5	8293.7	8299.6	8314.1	TW&G
Bangkok	Thailand	12384.5	12386.6	12376.5	12376.9	12391.3	12397.5	12377.3	12389.4	12418.5	UTC
Buri Ram	Thailand	8688.1	8686.0	8678.4	8677.9	8686.7	8690.5	8680.1	8687.9	8701.9	APT
Chachoengsao	Thailand	8040.2	8047.0	8038.7	8039.9	8048.8	8049.5	8045.2	8047.7	8050.3	UTC
Chumphon	Thailand	6979.1	6979.5	6981.9	6982.3	6981.2	6981.7	6978.5	6980.4	6980.9	TW&G
Chen Buri	Thailand	9479.1	9480.4	9497.3	9494.0	9486.1	9489.9	9481.2	9480.8	9499.9	Tair
Chiang Mai	Thailand	10230.8	10238.6	10234.1	10239.6	10291.8	10261.3	10244.0	10250.6	10286.6	Tair
Chiang Rai	Thailand	9648.4	9647.4	9656.5	9657.1	9659.7	9660.9	9657.0	9658.2	9669.8	Hi
Chanthaburi	Thailand	8094.9	8097.0	8102.7	8101.2	8098.4	8098.7	8098.2	8097.8	8099.1	Tair
Chaiyaphum	Thailand	8550.6	8550.2	8549.2	8549.5	8552.7	8554.8	8548.7	8551.6	8561.4	TW&G
Khan Kaen	Thailand	9814.8	9820.0	9816.8	9821.6	9827.6	9833.5	9820.3	9825.5	9835.3	Tair
Kasim	Thailand	8691.6	8695.3	8702.2	8699.4	8700.2	8698.8	8696.9	8697.9	8701.5	Tair
Kamphaeng Phet	Thailand	7164.3	7176.0	7174.7	7177.4	7179.4	7181.6	7177.6	7177.5	7188.8	Tair
Kanchanaburi	Thailand	8053.4	8061.0	8058.6	8062.1	8062.3	8063.8	8060.6	8062.7	8065.1	Tair
Krabi	Thailand	5953.4	5960.4	5961.1	5961.9	5965.0	5966.7	5957.3	5961.2	5968.8	Tair
Lamphun	Thailand	7584.7	7585.3	7585.4	7588.4	7586.1	7589.8	7585.5	7587.3	7604.1	Tair
Lampang	Thailand	9035.1	9026.5	9026.5	9034.1	9042.3	9046.4	9035.9	9043.8	9052.7	Tair

Lop Buri	Thailand	8581.6	8582.3	8591.2	8590.7	8584.4	8586.0	8587.2	8583.4	8592.0	Tair
Maha Sarakham	Thailand	8350.3	8342.9	8339.9	8335.2	8344.5	8345.0	8335.0	8344.6	8353.6	TWBG
Mukdahan	Thailand	6150.5	6148.7	6155.1	6154.6	6149.2	6149.9	6152.4	6149.2	6151.4	Hi
Nan	Thailand	7850.6	7847.6	7846.8	7847.5	7853.8	7856.5	7849.8	7852.3	7865.9	UTC
Nong Bua Lam Phu	Thailand	6905.4	6906.3	6907.5	6906.8	6903.5	6901.9	6907.0	6903.9	6899.1	Tw
Nakhon Ratchasima	Thailand	10327.4	10344.7	10380.8	10384.7	10376.2	10391.0	10365.3	10365.6	10434.6	Tair
Nakhon Sawan	Thailand	9171.2	9161.2	9177.7	9171.5	9172.0	9181.2	9167.6	9167.7	9205.4	Hi
Nakhon Phanom	Thailand	7647.0	7647.3	7650.0	7650.0	7647.5	7646.9	7650.4	7648.3	7648.5	TSWBG
Nakhon Pathom	Thailand	8537.1	8550.3	8543.5	8542.9	8548.8	8549.1	8545.5	8547.5	8550.5	Tair
Nakhon Si Thammarat	Thailand	9135.7	9132.3	9128.8	9129.6	9127.5	9126.0	9129.9	9130.8	9124.8	Tw
Nong Khai	Thailand	7956.1	7959.4	7962.8	7963.1	7962.2	7963.7	7959.3	7958.5	7966.9	Tair
Nonthaburi	Thailand	8739.9	8744.9	8743.1	8745.7	8749.9	8751.8	8745.3	8748.8	8756.4	Tair
Narathiwat	Thailand	7430.6	7429.8	7432.7	7433.6	7433.0	7433.9	7429.2	7432.3	7433.3	TWBG
Phayao	Thailand	8138.3	8145.5	8143.5	8144.8	8144.9	8144.3	8146.8	8146.1	8141.9	Tair
Phetchabun	Thailand	8474.9	8477.9	8477.1	8477.3	8476.7	8475.1	8479.7	8478.5	8471.3	Tw
Phetchaburi	Thailand	7349.8	7343.8	7337.1	7338.9	7344.2	7343.7	7343.3	7344.0	7343.2	UTC
Phichit	Thailand	7454.1	7457.6	7448.8	7449.9	7454.4	7457.5	7453.6	7452.7	7467.5	UTC
Phrae	Thailand	8093.1	8095.0	8091.0	8094.7	8102.3	8103.2	8098.3	8102.4	8103.5	UTC
Phitsanulok	Thailand	8665.5	8670.8	8661.9	8666.4	8676.8	8680.7	8669.6	8675.0	8699.0	UTC
Prachin Buri	Thailand	7490.8	7495.1	7500.6	7498.8	7498.6	7500.3	7495.1	7497.8	7505.7	Tair
Prachuap Khiri Khan	Thailand	7325.9	7326.3	7323.8	7323.9	7321.8	7320.5	7326.4	7324.6	7325.9	Tw
Ratchaburi	Thailand	8053.3	8055.6	8054.3	8056.9	8056.7	8057.2	8055.3	8056.2	8057.2	Tair
Rosburi	Thailand	6999.8	7002.6	7007.8	7005.5	7001.4	7000.5	7002.9	7001.8	6997.9	Tw
Roi Et	Thailand	9165.4	9168.2	9181.8	9182.1	9176.0	9180.0	9175.7	9173.5	9190.2	Tair
Ratchaburi	Thailand	8609.4	8612.3	8608.1	8611.7	8619.4	8626.3	8611.9	8616.8	8642.7	UTC
Rayong	Thailand	7868.4	7866.3	7878.0	7875.8	7871.5	7872.0	7871.0	7870.0	7874.2	Hi
Sa Kaeo	Thailand	7091.4	7085.2	7085.9	7085.1	7083.5	7082.3	7086.6	7085.3	7081.4	Tw
Sukhothai	Thailand	7770.3	7774.5	7775.4	7777.4	7775.2	7774.8	7775.5	7777.2	7772.5	Tair
Sakon Nakhon	Thailand	8744.0	8748.9	8746.6	8747.8	8750.8	8752.9	8746.9	8749.8	8753.3	Tair
Samutprakan	Thailand	8628.1	8628.1	8635.8	8634.7	8634.8	8636.3	8633.6	8633.1	8641.9	Tair
Samut Sakhon	Thailand	7374.2	7372.4	7371.6	7370.6	7372.5	7374.2	7364.1	7371.8	7379.3	TWBG
Songkhla	Thailand	8829.3	8826.2	8826.0	8824.8	8825.2	8825.1	8822.6	8825.7	8825.4	TWBG
Suphanburi	Thailand	8409.4	8420.7	8414.4	8417.1	8421.8	8423.7	8419.0	8420.7	8429.5	Tair
Saraburi	Thailand	8275.8	8274.2	8281.3	8282.1	8276.1	8276.1	8278.1	8277.1	8276.1	Hi
Surat Thani	Thailand	8167.1	8171.1	8159.7	8157.8	8169.5	8168.7	8169.1	8170.8	8168.4	APT
Si Sa Ket	Thailand	8969.6	8976.8	8981.5	8983.2	8984.1	8987.1	8982.4	8980.7	8990.4	Tair

Surin	Thailand	8916.1	8925.6	8909.0	8912.4	8919.1	8918.9	8913.9	8917.8	8917.0	UTC
Tak	Thailand	6878.6	6881.9	6883.1	6885.2	6876.7	6877.7	6884.4	6879.2	6883.7	Ha
Trang	Thailand	6946.7	6952.4	6954.2	6965.9	6961.8	6963.1	6953.7	6958.8	6967.0	Tair
Ubon Ratchathani	Thailand	9352.7	9357.7	9361.7	9362.4	9360.9	9362.7	9357.2	9359.4	9370.4	Tair
Udon Thani	Thailand	9424.8	9429.9	9442.3	9441.9	9444.9	9450.4	9437.7	9440.1	9470.7	Tair
Uttaradit	Thailand	7984.1	7982.5	7983.2	7983.2	7993.5	7998.7	7983.9	7991.1	8010.9	Hi
Yala	Thailand	6718.4	6713.0	6715.5	6714.6	6712.7	6714.0	6711.9	6711.4	6725.7	Ts
Yasothon	Thailand	7503.1	7498.0	7508.4	7503.1	7498.0	7497.1	7503.0	7498.9	7499.7	TsWBG
Accrington/Rossendale	UK	14244.6	14244.5	14246.3	14246.8	14245.1	14245.1	14245.7	14245.0	14245.0	Hi
Bedford	UK	15732.5	15732.6	15733.8	15734.4	15734.3	15734.5	15733.4	15734.7	15734.5	Tair
Blackburn	UK	17314.6	17315.1	17318.2	17316.4	17315.1	17315.1	17313.6	17315.1	17314.7	TWBG
Blackpool	UK	21628.7	21628.0	21626.7	21622.5	21628.6	21628.9	21627.7	21629.2	21630.5	APT
Brighton and Hove	UK	24449.6	24449.4	24481.3	24469.2	24452.5	24453.5	24447.3	24450.9	24438.2	TWBG
Barnsley/Deerne Valley	UK	17287.4	17286.6	17290.0	17287.4	17286.2	17286.5	17287.1	17286.2	17288.6	Ha
Birkenhead	UK	22355.0	22354.9	22346.2	22348.2	22354.0	22353.7	22351.5	22354.6	22353.2	UTC
Burnley	UK	17837.5	17835.7	17843.2	17836.8	17834.4	17834.1	17833.7	17835.6	17833.5	Tw
Bournemouth/Poole	UK	24204.5	24201.8	24220.5	24209.5	24198.6	24198.3	24205.7	24199.5	24199.1	TsWBG
Bristol	UK	24575.6	24574.0	24585.0	24577.9	24572.4	24572.3	24574.7	24572.2	24573.6	Ts
Burton upon Trent	UK	14539.7	14539.3	14536.4	14540.0	14538.5	14538.4	14539.4	14539.1	14537.4	UTC
Basildon	UK	15739.0	15736.9	15741.2	15737.6	15733.6	15732.8	15735.8	15734.9	15729.5	Tw
Basingstoke	UK	13686.8	13686.3	13687.6	13688.4	13684.6	13684.4	13684.5	13684.5	13684.1	Tw
Chelmsford	UK	14263.6	14264.1	14267.2	14263.4	14264.1	14264.3	14264.7	14264.0	14264.2	APT
Cheltenham	UK	16810.0	16809.0	16816.3	16810.4	16809.6	16810.1	16808.1	16810.2	16813.7	TWBG
Chesterfield	UK	15426.0	15425.6	15423.7	15424.2	15426.3	15426.5	15425.8	15427.0	15427.3	UTC
Colchester	UK	14914.7	14914.1	14917.7	14913.6	14914.2	14914.4	14912.2	14914.4	14915.7	TWBG
Cambridge	UK	15874.0	15872.7	15869.5	15873.9	15869.9	15869.8	15869.1	15869.8	15866.4	TWBG
Cardiff	UK	22526.5	22527.0	22530.1	22527.8	22531.4	22532.3	22527.6	22530.4	22534.6	Tair
Crawley	UK	16709.5	16708.6	16711.1	16710.4	16707.0	16706.8	16707.1	16706.2	16707.0	Ts
Coventry	UK	21904.2	21903.7	21912.5	21907.9	21904.6	21904.0	21903.3	21903.6	21906.5	TWBG
Doncaster	UK	16890.7	16891.0	16897.5	16894.0	16892.1	16892.7	16895.6	16893.1	16895.0	Tair
Derby	UK	20469.1	20469.9	20462.3	20468.4	20470.7	20471.0	20470.4	20470.9	20471.5	UTC
Eastbourne	UK	16567.6	16567.2	16559.8	16563.4	16565.9	16565.7	16564.2	16566.6	16564.7	UTC
Exeter	UK	15559.9	15560.3	15577.4	15569.7	15562.3	15562.0	15565.3	15561.8	15563.0	Tair
Farnborough/Aldershot	UK	18443.2	18441.1	18449.9	18442.8	18437.4	18436.8	18436.9	18437.2	18436.6	Tw
Gloucester	UK	17365.2	17365.9	17372.3	17370.6	17367.9	17368.2	17367.3	17368.6	17365.8	Tair
Grimby	UK	16858.4	16859.2	16861.9	16861.7	16860.1	16860.2	16859.4	16860.1	16860.2	Tair

High Wycombe	UK	13419.2	13418.7	13420.4	13420.8	13418.3	13418.2	13419.1	13418.5	13418.3	Tw
Hastings	UK	19126.2	19125.3	19144.6	19135.8	19125.0	19125.2	19123.6	19125.4	19127.0	TWBG
Ipswich	UK	18200.9	18198.7	18205.5	18197.4	18196.1	18195.5	18197.2	18198.0	18195.1	Tw
Kingston upon Hull	UK	22091.8	22092.2	22099.1	22097.4	22093.5	22093.8	22094.8	22094.1	22095.7	Tair
Leicester	UK	23171.2	23168.8	23182.8	23171.8	23168.8	23169.1	23167.1	23168.9	23172.5	TWBG
Lincoln	UK	15405.2	15405.0	15390.3	15398.5	15407.4	15407.9	15406.5	15407.4	15408.6	UTC
London	UK	37393.8	37380.6	37517.0	37392.3	37432.2	37450.7	37415.4	37440.4	37548.0	Hi
Luton	UK	20018.1	20019.6	20028.8	20024.9	20023.7	20024.7	20024.2	20023.0	20027.6	Tair
Liverpool	UK	27608.1	27606.7	27636.7	27615.6	27606.3	27606.4	27608.0	27607.1	27608.4	Hi
Maldstone	UK	14662.6	14662.7	14663.9	14663.6	14662.8	14662.8	14663.0	14662.9	14663.2	Tair
Medway Towns	UK	19551.1	19552.1	19542.9	19549.5	19553.9	19554.6	19553.2	19553.8	19557.2	UTC
Milton Keynes	UK	16563.2	16562.6	16550.5	16560.2	16563.5	16563.7	16561.9	16563.4	16564.3	UTC
Manchester	UK	31603.3	31602.2	31637.8	31609.8	31607.3	31609.1	31602.0	31606.9	31638.3	TWBG
Mansfield	UK	17356.0	17355.7	17349.8	17352.7	17357.1	17357.3	17355.9	17357.1	17357.5	UTC
Northampton	UK	19138.0	19137.3	19146.6	19142.2	19138.6	19139.2	19138.1	19138.5	19142.0	Hi
Norwich	UK	18974.9	18976.2	18972.0	18974.5	18978.4	18978.9	18974.4	18977.6	18980.5	UTC
Nottingham	UK	25253.1	25253.7	25261.8	25258.4	25255.2	25255.7	25255.8	25256.1	25256.7	Tair
Newport	UK	19427.3	19427.1	19439.7	19430.5	19428.6	19429.1	19428.1	19427.9	19430.9	Hi
Oxford	UK	15436.5	15437.4	15436.3	15433.9	15438.1	15438.5	15434.7	15438.4	15439.7	AFT
Paignton/Torquay	UK	18220.4	18219.3	18212.7	18213.2	18217.0	18216.7	18218.1	18218.4	18217.7	UTC
Plymouth	UK	20472.5	20472.0	20480.1	20477.4	20471.7	20471.7	20474.2	20472.1	20471.6	Tw
Preston	UK	20006.8	20006.3	20012.1	20007.0	20003.3	20002.7	20002.9	20003.6	19999.3	Tw
Peterborough	UK	17560.5	17559.5	17565.5	17561.1	17559.2	17559.2	17559.9	17559.2	17559.7	Hi
Reading	UK	19699.4	19699.1	19687.5	19693.7	19699.4	19699.5	19696.3	19700.5	19699.8	UTC
Sheffield	UK	25172.0	25170.0	25173.8	25164.7	25167.7	25167.5	25166.5	25168.4	25168.6	AFT
Slough	UK	16228.7	16228.4	16238.0	16233.8	16229.5	16230.0	16232.9	16230.2	16233.1	Hi
Sunderland	UK	21590.4	21591.1	21600.9	21597.8	21592.5	21593.0	21594.7	21592.3	21594.9	Tair
South Hampshire	UK	25689.5	25687.4	25735.6	25707.5	25690.0	25691.5	25693.1	25689.5	25699.7	Hi
Southend-on-Sea	UK	21895.9	21894.7	21901.5	21895.7	21892.7	21892.4	21893.9	21893.4	21891.9	Tw
Stoke-on-Trent	UK	22341.5	22341.1	22337.5	22338.3	22339.7	22339.1	22339.4	22340.2	22336.0	Tw
Swindon	UK	17792.2	17791.4	17801.3	17797.0	17788.1	17787.5	17791.8	17788.5	17785.2	Tw
Swansea	UK	19889.0	19889.4	19891.4	19894.9	19890.3	19890.5	19892.8	19890.2	19891.6	Tair
Thanet	UK	17147.2	17147.6	17156.2	17151.8	17148.8	17149.1	17146.2	17148.4	17150.4	TWBG
Telford	UK	14612.7	14612.9	14606.8	14611.7	14612.9	14612.9	14611.9	14612.6	14612.8	UTC
Teesside	UK	22662.8	22660.7	22654.3	22656.2	22658.6	22658.2	22658.4	22659.5	22658.4	UTC
Tyneside	UK	26396.6	26394.3	26406.0	26398.1	26394.9	26394.9	26394.4	26396.0	26394.5	Hi

Wigan	UK	17246.7	17245.5	17247.8	17248.0	17244.1	17243.8	17245.3	17244.0	17243.1	Tw
Worcester	UK	14446.0	14445.6	14447.2	14445.4	14444.2	14444.0	14443.7	14444.1	14443.2	Tw
Warrington	UK	17660.0	17660.2	17674.1	17665.2	17661.1	17661.2	17664.3	17660.5	17661.7	Tair
West Midlands	UK	31971.6	31971.9	31999.7	31972.5	31990.8	31997.5	31978.6	31989.9	32024.0	Tair
West Yorkshire	UK	29255.2	29254.3	29255.5	29251.7	29257.2	29259.0	29253.2	29238.3	29261.1	AFT
York	UK	16993.9	16994.7	17001.1	16997.8	17000.3	17001.8	16998.2	16996.5	17006.7	Tair
Montevideo	Uruguay	6110.4	6107.4	6120.2	6117.1	6121.1	6123.4	6115.4	6117.4	6131.6	Hi
Augusta	USA	20128.3	20131.2	20134.3	20133.6	20133.0	20133.9	20133.7	20133.1	20138.1	Tair
Akron	USA	25564.1	25564.9	25558.5	25560.6	25564.1	25564.3	25561.9	25561.2	25563.1	UTC
Albany	USA	22628.8	22629.6	22625.0	22628.9	22631.5	22631.9	22628.6	22630.7	22633.0	UTC
Albuquerque	USA	23056.2	23056.5	23052.1	23055.2	23053.3	23052.9	23055.4	23050.9	23053.1	Ts
Allentown	USA	22405.6	22401.8	22402.5	22399.5	22398.0	22397.1	22398.8	22399.8	22394.8	Tw
Anaheim	USA	30854.9	30848.9	30846.0	30842.8	30845.2	30846.2	30848.6	30847.6	30854.0	AFT
Ann Arbor	USA	19510.0	19508.3	19508.9	19507.9	19508.4	19508.1	19507.9	19508.0	19507.5	Tw
Austin	USA	23431.0	23429.6	23427.2	23425.0	23426.5	23426.1	23424.3	23425.9	23425.1	TW9G
Atlantic City	USA	21442.1	21439.0	21445.7	21444.9	21438.5	21438.0	21441.7	21439.5	21440.7	Hi
Atlanta	USA	30323.6	30317.1	30317.6	30316.8	30316.3	30317.8	30315.3	30316.0	30324.3	Ts
Buffalo	USA	28548.9	28549.6	28574.3	28561.7	28558.4	28560.7	28558.6	28557.0	28567.4	Tair
Bakersfield	USA	24452.5	24452.0	24449.8	24449.2	24451.1	24452.3	24449.1	24435.4	24458.9	TW9G
Boulder	USA	17930.2	17931.0	17935.5	17933.4	17933.0	17933.1	17932.1	17933.9	17931.1	Tair
Baltimore	USA	30558.0	30556.1	30565.8	30561.6	30568.0	30572.3	30559.3	30565.6	30582.8	Hi
Bangor	USA	18292.8	18291.6	18296.3	18290.3	18287.3	18286.7	18291.2	18287.9	18289.3	Tw
Boise	USA	14629.2	14629.3	14629.2	14630.7	14631.4	14632.4	14631.1	14633.5	14636.2	Tair
Bergen	USA	29108.7	29106.7	29107.4	29103.0	29101.8	29101.7	29105.3	29101.9	29103.2	TW9G
Burlington	USA	16055.6	16056.1	16052.7	16054.3	16054.3	16054.0	16054.8	16054.6	16052.0	Tw
Birmingham	USA	27970.8	27962.3	27973.0	27968.7	27966.1	27968.2	27966.3	27966.3	27975.6	Hi
Barnstable	USA	21595.2	21595.7	21609.9	21601.9	21597.2	21597.8	21595.0	21595.3	21595.8	TW9G
Brownsville	USA	20015.2	20017.5	20019.4	20019.4	20017.7	20018.5	20018.2	20016.3	20019.5	Tair
Boston	USA	32634.0	32626.1	32626.4	32634.2	32628.9	32632.7	32631.5	32625.9	32653.3	Ts
Baton Rouge	USA	22518.7	22518.4	22522.7	22520.6	22520.0	22520.1	22519.7	22519.8	22521.1	Hi
Cedar Rapids	USA	18601.8	18603.7	18603.8	18605.2	18606.0	18606.5	18605.1	18604.7	18608.7	Tair
Chicago	USA	37254.3	37081.3	37410.2	37355.7	37247.7	37254.8	37279.5	37274.3	37336.8	Hi
Charlotte	USA	23601.1	23599.1	23600.5	23597.2	23594.1	23593.3	23598.3	23594.4	23591.9	Tw
Charleston SC	USA	21265.6	21258.1	21260.2	21258.8	21259.5	21258.8	21261.2	21261.3	21260.3	Hi
Chattanooga	USA	22430.4	22434.0	22434.3	22435.8	22437.3	22438.0	22438.0	22436.5	22438.8	Tair
Charleston WV	USA	21737.5	21740.2	21748.9	21744.2	21742.2	21743.0	21741.9	21741.3	21745.2	Tair

Columbus	USA	27386.3	27387.5	27396.3	27392.4	27392.0	27393.1	27391.4	27391.3	27395.8	Tair
Colorado Springs	USA	21264.9	21265.6	21267.7	21268.3	21269.4	21271.1	21272.3	21272.0	21270.0	Tair
Cleveland	USA	31788.0	31784.7	31813.3	31794.4	31783.6	31784.6	31789.2	31783.7	31788.9	Hi
Cincinnati	USA	27839.4	27843.0	27855.9	27851.6	27851.5	27854.0	27849.7	27849.1	27855.6	Tair
Canton	USA	24037.7	24038.1	24046.5	24043.4	24041.9	24043.0	24041.8	24041.2	24047.2	Tair
Columbia	USA	23353.8	23353.5	23354.4	23354.2	23357.3	23358.9	23353.5	23355.4	23364.1	TWBG
Carlisle	USA	20159.3	20160.5	20156.9	20161.1	20162.9	20163.5	20161.4	20163.1	20164.6	UTC
Corpus Christ	USA	21346.3	21347.6	21338.5	21336.4	21343.8	21343.7	21341.8	21344.0	21342.2	APT
Davis	USA	15820.0	15819.9	15819.9	15819.7	15819.2	15818.8	15818.3	15819.2	15817.7	Tw
Dallas	USA	29630.3	29630.1	29634.8	29629.9	29633.8	29636.2	29628.8	29634.8	29643.5	TWBG
Denver	USA	27642.6	27645.9	27652.0	27652.4	27656.2	27660.3	27662.3	27665.6	27679.8	Tair
Dozier	USA	16663.7	16661.8	16661.5	16663.7	16664.2	16664.1	16664.4	16665.2	16665.8	Hi
Durham	USA	19194.7	19196.5	19200.4	19198.9	19195.4	19196.1	19198.6	19193.6	19197.2	Tw
Des Moines	USA	21801.9	21801.3	21798.0	21796.8	21797.8	21797.3	21798.9	21798.5	21795.8	Tw
Detroit	USA	34460.5	34458.7	34524.1	34492.3	34493.0	34501.5	34484.1	34487.5	34534.9	Hi
Davenport	USA	22038.9	22039.2	22037.8	22036.4	22037.3	22037.3	22038.5	22036.9	22036.9	APT
Daytona Beach	USA	24961.9	24950.9	24954.0	24954.8	24946.2	24945.4	24955.5	24948.9	24948.9	TWBG
Dayton	USA	25759.4	25759.5	25764.7	25762.1	25760.0	25760.0	25760.0	25759.5	25759.8	Tair
El Centro	USA	15689.8	15693.1	15685.3	15686.6	15690.7	15690.1	15688.3	15688.8	15687.2	UTC
Elkhart	USA	18410.4	18410.8	18409.3	18411.9	18411.7	18411.9	18411.8	18411.7	18412.6	UTC
El Paso	USA	23538.1	23538.0	23538.5	23542.2	23542.9	23544.4	23548.6	23541.6	23541.1	Hi
Elizabeth	USA	24776.9	24777.1	24778.3	24776.3	24778.1	24779.8	24778.2	24777.5	24787.0	APT
Erie	USA	22074.9	22075.2	22082.0	22078.1	22074.9	22075.1	22075.7	22074.5	22075.9	Tw
Essex	USA	26278.4	26274.3	26283.2	26277.6	26277.0	26278.5	26279.6	26277.4	26286.8	Hi
Eugene	USA	21496.1	21497.3	21500.0	21499.3	21499.4	21500.1	21497.8	21499.5	21502.2	Tair
Evansville	USA	20006.0	20009.3	20001.4	20009.5	20008.1	20007.5	20009.4	20008.5	20008.3	TWBG
Everett	USA	22967.2	22967.0	22973.0	22969.0	22969.5	22970.1	22968.2	22968.4	22974.0	Hi
Fargo	USA	15262.8	15262.2	15258.2	15259.6	15261.1	15261.0	15262.1	15261.4	15261.8	UTC
Flint	USA	23437.0	23438.2	23434.4	23438.6	23442.6	23443.5	23439.8	23442.4	23447.8	UTC
Fresno	USA	25218.2	25224.2	25221.8	25225.2	25228.8	25230.8	25228.7	25232.6	25237.2	Tair
Fort Lauderdale	USA	30374.9	30370.0	30381.6	30379.0	30372.4	30372.7	30370.3	30372.3	30374.6	Hi
Fort Myers	USA	23903.3	23903.3	23904.6	23904.3	23904.6	23904.9	23904.6	23904.1	23906.0	Hi
Fort Pierce	USA	22651.6	22652.9	22651.5	22652.3	22653.9	22653.8	22653.9	22653.7	22653.1	UTC
Fort Worth	USA	27754.5	27755.0	27764.5	27764.5	27756.6	27757.2	27759.8	27758.6	27757.6	Tair
Fr Wayne	USA	21861.3	21861.7	21864.5	21864.0	21863.2	21863.4	21862.7	21863.0	21863.9	Tair
Fayetteville	USA	19445.8	19446.0	19449.3	19447.6	19443.6	19443.9	19446.1	19443.4	19441.7	Tw

Gary	USA	24621.2	24616.1	24630.6	24624.7	24622.6	24623.8	24624.1	24621.4	24629.3	Hi
Green Bay	USA	18997.7	18997.1	19005.6	19001.7	19000.7	19001.3	18998.6	19000.5	19004.1	Hi
Greensburg	USA	24189.3	24190.0	24196.3	24189.7	24189.7	24189.7	24190.0	24190.1	24189.8	Tair
Grand Haven	USA	18300.4	18299.4	18304.3	18302.1	18297.5	18297.3	18298.2	18297.8	18296.2	Tw
Grand Rapids	USA	23059.6	23058.4	23065.4	23060.1	23058.7	23059.2	23058.6	23057.9	23060.5	Ts
Greensboro	USA	22867.1	22866.7	22867.1	22867.0	22866.2	22866.1	22866.3	22866.4	22866.4	T,WBG
Greenville	USA	22041.9	22040.8	22046.6	22044.0	22041.0	22041.4	22039.2	22040.3	22044.0	TWBG
Gainesville	USA	18255.5	18257.4	18257.9	18257.9	18258.0	18258.5	18259.3	18257.9	18260.4	Tair
Hickory	USA	17432.2	17432.9	17427.8	17430.3	17431.1	17430.0	17430.7	17432.1	17426.5	Tw
Honolulu	USA	19153.6	19151.0	19152.4	19153.6	19149.3	19149.4	19148.6	19149.3	19150.8	TWBG
Harrisburg	USA	21523.0	21521.2	21525.9	21523.6	21520.3	21520.2	21522.8	21520.0	21521.1	Ts
Hartford	USA	22076.1	22071.9	22081.2	22076.4	22080.5	22083.5	22078.9	22079.0	22087.4	Hi
Houston	USA	31308.5	31312.8	31314.3	31312.6	31319.1	31321.4	31312.3	31316.7	31327.0	Tair
Indianapolis	USA	26975.6	26970.4	26987.1	26976.3	26970.6	26971.8	26970.6	26970.4	26979.0	Hi
Jacksonville	USA	25895.8	25901.0	25893.0	25898.7	25905.0	25905.5	25897.4	25903.8	25907.1	UTC
Jersey City	USA	25208.9	25209.6	25214.4	25214.6	25215.3	25216.4	25213.5	25214.5	25220.5	Tair
Kalamazoo	USA	19791.0	19790.1	19787.7	19782.5	19784.5	19784.1	19785.4	19785.4	19784.2	AFT
Kansas	USA	28422.4	28429.7	28432.3	28433.1	28436.3	28440.4	28434.2	28436.2	28432.7	Tair
Knoxville	USA	23827.5	23828.7	23828.6	23828.0	23829.4	23829.8	23828.7	23828.4	23830.0	Tair
Lafayette IN	USA	16832.2	16833.0	16833.9	16833.5	16832.5	16832.7	16832.1	16831.4	16831.2	Tw
Lafayette LA	USA	17565.4	17568.5	17561.9	17563.5	17568.3	17568.1	17567.3	17569.2	17567.3	UTC
Lake Charles	USA	19105.6	19103.9	19113.1	19111.1	19106.2	19107.0	19107.7	19104.7	19109.9	Hi
Lakeland	USA	24254.5	24259.2	24256.9	24254.6	24256.0	24255.4	24255.6	24256.5	24254.1	Tw
Lancaster	USA	23053.8	23051.1	23052.4	23048.5	23046.2	23045.1	23049.7	23047.7	23042.5	Tw
Lansing	USA	20037.8	20035.8	20032.5	20033.9	20035.2	20034.8	20034.4	20035.2	20033.6	UTC
Louisville	USA	26997.9	26992.4	26987.6	26988.2	26990.1	26990.3	26989.1	26988.5	26991.4	UTC
LaPorte	USA	17195.2	17194.3	17189.2	17194.6	17195.6	17195.5	17195.9	17196.3	17195.2	UTC
Los Angeles	USA	37438.8	37473.2	37480.4	37521.6	37564.0	37501.3	37550.6	37577.2	37681.9	Tair
Las Vegas	USA	25951.8	25953.3	25953.1	25956.8	25956.2	25955.5	25960.3	25956.4	25954.0	Tair
Little Rock	USA	22908.2	22896.9	22909.0	22905.4	22896.4	22896.6	22901.9	22894.4	22897.9	Ts
Macon	USA	19760.8	19759.3	19767.0	19765.1	19767.0	19769.7	19764.2	19765.6	19778.8	Hi
McAllen	USA	21403.0	21414.5	21414.1	21416.2	21415.6	21416.8	21417.2	21416.0	21417.1	Tair
Middles	USA	25340.7	25341.2	25351.3	25345.1	25343.6	25343.9	25343.6	25341.6	25344.3	Tair
Middletown	USA	21562.2	21562.9	21562.8	21564.8	21567.6	21568.7	21565.7	21568.3	21572.0	Tair
Medford	USA	19356.1	19355.9	19356.0	19355.2	19355.2	19355.0	19356.3	19355.6	19355.8	T,WBG

Madison II	USA	21518.8	21518.8	21524.0	21519.8	21517.8	21517.6	21517.8	21517.4	21515.6	Tw
Modesto	USA	22758.6	22757.4	22751.7	22752.9	22752.5	22751.4	22751.6	22750.9	22747.4	Tw
Madison WI	USA	21189.0	21190.1	21192.1	21188.2	21188.3	21188.3	21190.4	21188.1	21188.4	Tv
Miami	USA	31414.1	31414.3	31428.9	31425.7	31413.4	31414.3	31411.4	31412.5	31416.5	TWBG
Melbourne	USA	24000.1	24001.7	24004.9	24006.0	24009.0	24010.3	24002.9	24007.2	24012.0	Tair
Milwaukee	USA	28878.1	28870.4	28895.5	28881.3	28873.1	28873.5	28875.7	28874.5	28878.5	Hi
Memphis	USA	27212.3	27198.7	27220.8	27216.3	27205.2	27206.9	27212.9	27205.2	27216.1	Hi
Monmouth	USA	28990.0	28986.2	29001.1	28989.8	28983.2	28983.0	28989.2	28982.7	28983.9	Ts
Minneapolis	USA	29113.7	29107.7	29113.6	29103.5	29105.9	29106.0	29106.0	29106.0	29108.4	APT
Montgomery	USA	20679.8	20675.9	20680.1	20678.9	20674.4	20673.8	20675.9	20674.3	20672.0	Tw
Mobile	USA	23571.0	23573.4	23569.7	23569.9	23573.3	23574.0	23569.0	23572.3	23575.4	TWBG
Monroe	USA	18323.2	18321.5	18324.8	18322.7	18319.7	18319.3	18321.6	18319.8	18320.1	TWBG
Morcor	USA	18645.7	18644.7	18649.2	18644.9	18643.5	18643.4	18646.1	18644.1	18644.1	TWBG
Marlboro	USA	23679.5	23679.1	23681.8	23680.0	23678.9	23678.7	23679.3	23678.4	23677.3	Tw
Muskegon	USA	19252.3	19248.7	19252.7	19248.9	19247.4	19246.9	19250.9	19249.5	19248.7	TWBG
Muncie	USA	17793.3	17792.6	17796.6	17791.6	17790.3	17789.7	17792.8	17791.1	17789.5	Tw
Myrtle Beach	USA	18438.3	18436.7	18437.0	18437.3	18437.3	18437.1	18437.5	18437.8	18436.8	Hi
Nashua	USA	21725.4	21725.0	21723.8	21722.1	21722.4	21722.2	21724.1	21722.4	21721.2	Tw
Nassau	USA	32203.6	32197.8	32256.4	32224.8	32209.4	32212.3	32207.3	32204.9	32224.7	Hi
Niles	USA	19038.2	19034.9	19038.2	19037.5	19038.3	19038.8	19040.6	19038.1	19041.5	Hi
Norfolk	USA	27389.2	27389.3	27380.3	27384.1	27386.9	27387.2	27384.7	27386.3	27387.0	UTC
Nashville	USA	25028.4	25034.6	25041.6	25039.7	25038.8	25040.0	25038.4	25038.8	25041.9	Tair
Newburgh	USA	21541.2	21541.3	21542.7	21540.2	21539.7	21539.5	21539.7	21539.1	21538.6	Tw
New Haven	USA	27171.8	27165.8	27178.5	27166.7	27163.7	27164.8	27163.3	27162.1	27162.8	Ts
New London	USA	20478.3	20477.9	20492.7	20482.7	20477.9	20478.5	20475.8	20476.1	20479.8	TWBG
New Orleans	USA	28205.5	28297.7	28320.3	28319.6	28297.1	28297.3	28299.9	28296.7	28296.6	Ts
Newark	USA	28803.9	28803.0	28816.6	28810.2	28811.6	28814.9	28808.2	28809.2	28828.9	Hi
New York	USA	37888.3	37883.0	38037.9	38009.5	38024.8	38061.2	38032.1	37996.1	38201.1	Hi
Orala	USA	21764.1	21762.5	21759.2	21760.8	21762.5	21762.5	21761.3	21761.5	21761.3	UTC
OKlahoma	USA	25807.5	25808.1	25805.0	25806.5	25809.2	25809.0	25807.9	25808.9	25807.4	UTC
Oakland	USA	30816.3	30814.8	30819.6	30814.5	30812.6	30813.5	30807.2	30813.7	30825.0	TWBG
Omaha	USA	23352.7	23353.9	23351.6	23352.3	23352.3	23352.1	23353.7	23352.8	23350.8	Tw
Orlando	USA	26981.8	26985.5	26978.6	26982.6	26987.3	26987.2	26986.4	26987.9	26988.1	UTC
Ottawa	USA	18270.3	18270.1	18275.9	18271.9	18268.2	18268.1	18270.5	18267.6	18267.1	Tw
Philly	USA	35656.8	35641.9	35659.5	35648.1	35655.2	35661.3	35649.5	35654.3	35685.5	Hi
Phoenix	USA	30866.5	30861.9	30857.2	30857.9	30872.0	30879.1	30875.9	30881.5	30882.8	UTC

Palm Beach	USA	28592.6	28603.7	28609.7	28606.7	28604.1	28605.5	28600.4	28601.0	28606.1	Tair
Plymouth	USA	23396.2	23397.9	23400.3	23399.2	23398.0	23398.5	23397.0	23396.4	23401.0	Tair
Pensacola	USA	21638.0	21637.6	21641.3	21640.8	21637.3	21637.6	21638.1	21637.8	21637.9	Hi
Portland OR	USA	28314.2	28313.9	28324.4	28319.8	28318.7	28321.0	28319.5	28322.3	28334.5	Hi
Provo	USA	18245.7	18247.0	18250.3	18249.4	18248.0	18249.7	18246.7	18250.2	18252.7	Tair
Port Arthur	USA	22116.7	22110.1	22120.1	22118.4	22111.4	22111.9	22112.9	22109.7	22114.4	Tv
Portage	USA	16873.3	16873.9	16874.4	16874.3	16874.9	16875.4	16874.1	16875.4	16877.3	Tair
Portland ME	USA	21158.8	21157.2	21156.0	21152.6	21159.0	21159.7	21155.0	21157.5	21161.0	APT
Providence	USA	29429.6	29430.4	29455.5	29444.0	29456.4	29464.7	29449.4	29451.7	29494.3	Tair
Pittsburg	USA	30522.0	30521.7	30548.9	30534.6	30528.9	30530.7	30537.1	30528.2	30539.5	Hi
Richmond	USA	24088.5	24087.8	24089.0	24088.3	24088.5	24088.7	24089.2	24088.3	24089.0	Hi
Rochester	USA	26161.6	26162.1	26168.1	26167.0	26166.8	26168.0	26165.3	26166.3	26173.9	Tair
Rockville	USA	24126.5	24127.1	24127.8	24126.7	24127.7	24128.3	24126.2	24125.8	24127.6	Ts
Reading	USA	23274.4	23274.9	23278.6	23276.3	23277.4	23277.9	23275.3	23276.0	23279.4	Tair
Reno	USA	20580.9	20582.3	20581.1	20583.8	20585.2	20585.7	20584.2	20585.4	20586.6	Tair
Raleigh	USA	22015.7	22015.8	22022.6	22018.9	22015.0	22015.3	22017.0	22014.5	22016.2	Ts
Riverside	USA	31771.7	31770.2	31771.7	31770.7	31772.2	31773.6	31773.4	31773.4	31782.1	Hi
Sacramento	USA	27549.9	27549.2	27549.7	27550.0	27549.0	27549.2	27551.3	27548.8	27551.8	Tv
Scranton	USA	26963.5	26962.7	26966.4	26961.6	26962.6	26963.2	26964.2	26962.3	26966.2	APT
San Diego	USA	31296.2	31292.0	31302.6	31293.1	31287.5	31287.4	31289.9	31286.5	31288.9	Ts
San Francisco	USA	29590.4	29586.5	29586.7	29580.4	29590.8	29594.7	29580.3	29590.8	29615.0	TWBS
Salt Lake	USA	24104.3	24103.8	24107.8	24105.1	24102.8	24102.9	24106.2	24103.9	24105.8	Hi
San Jose	USA	27843.1	27841.6	27838.3	27840.7	27844.8	27847.5	27841.0	27849.6	27867.0	UTC
Santa Barbara	USA	22330.5	22329.5	22327.2	22326.1	22329.7	22330.2	22329.5	22327.3	22332.3	UTC
San Antonio	USA	28204.2	28199.3	28196.4	28191.1	28188.9	28187.8	28190.4	28190.8	28188.5	TsWBS
Spokane	USA	23219.2	23217.7	23212.2	23214.9	23214.6	23214.0	23216.3	23214.5	23212.6	UTC
Springfield MA	USA	24544.8	24541.6	24544.4	24540.5	24541.9	24542.8	24540.8	24541.5	24547.3	APT
Springfield MO	USA	20448.2	20444.9	20444.7	20443.0	20441.4	20440.8	20445.3	20440.8	20439.9	Tv
Spokane	USA	20905.8	20905.7	20902.9	20903.3	20906.2	20907.9	20899.5	20906.2	20913.6	TWBS
Sarasota	USA	26653.1	26658.1	26649.4	26651.6	26656.9	26656.2	26654.7	26657.7	26664.8	UTC
Saint Charles	USA	18150.6	18151.0	18148.6	18150.6	18151.2	18151.0	18150.8	18150.9	18150.2	UTC
Stockton	USA	23985.3	23985.7	23985.8	23985.8	23984.2	23984.0	23984.1	23984.8	23984.2	TsWBS
Saint Clair	USA	21480.1	21480.0	21479.6	21479.6	21481.3	21481.0	21480.4	21481.2	21482.0	APT
South bend	USA	21389.9	21387.9	21392.6	21390.0	21388.4	21388.5	21390.2	21389.3	21390.6	Hi
St. Louis	USA	30117.0	30116.1	30120.4	30119.7	30124.4	30126.2	30122.6	30125.0	30134.1	Hi
Stamford	USA	26445.0	26444.3	26454.9	26450.2	26450.9	26453.0	26449.3	26449.4	26460.7	Hi

St. Petersburg	USA	26909.2	26908.4	26907.7	26904.9	26904.9	26904.7	26900.9	26905.4	26904.0	TWBG
State College	USA	15570.1	15570.1	15568.2	15570.2	15569.5	15569.4	15570.7	15569.9	15568.2	UTC
Seattle	USA	28871.6	28870.8	28885.8	28872.9	28870.1	28870.6	28873.8	28870.4	28873.7	Hx
Tacoma	USA	24654.0	24652.6	24666.5	24656.7	24650.9	24651.0	24655.8	24650.4	24653.4	Ts
Tampa	USA	26900.9	26902.2	26907.5	26905.3	26902.4	26902.6	26901.8	26901.9	26903.4	Tair
Tucson	USA	25882.0	25882.9	25882.3	25886.6	25890.8	25892.0	25891.8	25890.8	25889.4	Tair
Tallahassee	USA	17970.2	17968.1	17963.9	17964.6	17964.8	17964.4	17967.4	17965.0	17963.4	Tw
Toledo	USA	25080.5	25080.4	25078.2	25078.2	25080.1	25080.1	25079.1	25080.0	25079.9	APT
Topeka	USA	19246.4	19246.4	19242.1	19242.7	19244.9	19244.9	19245.5	19245.3	19245.0	UTC
Trenton	USA	22525.2	22526.0	22523.9	22524.3	22528.8	22529.8	22522.9	22527.0	22534.3	TWBG
Terra Haute	USA	18065.0	18063.5	18062.6	18061.9	18061.0	18060.6	18062.0	18061.6	18059.2	Tw
Tulsa	USA	25018.8	25017.7	25024.9	25022.4	25019.4	25019.0	25017.8	25018.1	25017.9	HI
Visalia	USA	21696.6	21695.8	21695.8	21694.7	21692.6	21691.6	21696.3	21691.7	21688.7	Tw
Vancouver	USA	19888.3	19886.1	19893.0	19888.0	19884.4	19883.9	19885.4	19884.6	19885.2	TsWBG
Ventura	USA	24279.1	24277.4	24272.3	24272.3	24271.3	24269.7	24275.2	24271.8	24265.6	Tw
Wichita	USA	23062.6	23059.4	23052.3	23052.2	23057.2	23056.7	23054.4	23056.2	23056.6	APT
weber	USA	17925.0	17924.3	17923.5	17923.4	17922.3	17922.5	17922.5	17922.1	17924.5	Ts
Wilmington	USA	23438.8	23436.8	23435.3	23433.8	23433.8	23433.5	23434.5	23434.1	23432.3	Tw
Winston	USA	21694.0	21690.2	21686.5	21686.1	21689.5	21690.0	21687.0	21688.5	21693.3	APT
Worcester	USA	26464.7	26462.8	26480.6	26470.0	26468.7	26471.6	26466.6	26466.1	26483.3	HI
WDC	USA	26588.2	26583.8	26581.3	26584.1	26589.0	26590.0	26583.5	26588.3	26593.2	UTC
Washington	USA	21611.7	21610.5	21613.6	21611.4	21609.5	21609.7	21613.2	21609.2	21610.4	Ts
Youngstown	USA	24581.6	24581.6	24583.0	24582.7	24585.5	24586.3	24582.5	24584.9	24589.8	Tair
York	USA	22490.0	22487.6	22492.0	22492.2	22493.0	22493.5	22493.0	22493.4	22496.6	HI
Ho Chi Minh City	Vietnam	5118.1	5124.3	5140.3	5137.6	5135.1	5147.1	5115.9	5122.8	5194.8	TWBG
Hue	Vietnam	3707.7	3715.7	3712.2	3710.7	3713.0	3713.9	3709.2	3712.0	3718.9	Tair

Table S5 The 13 input features of the random forest algorithm.

Abbreviation	Full Name	Type	Data source
T_{mean}	Averaged air temperature during the warm season	Climatologic	ERA5
T_{std}	The standard deviation of air temperature during the warm season	Climatologic	ERA5
RH_{mean}	Averaged relative humidity during the warm season	Climatologic	ERA5
RH_{std}	The standard deviation of relative humidity during the warm season	Climatologic	ERA5
P_{mean}	Averaged total precipitation during the warm season	Climatologic	ERA5
C_{T-RH}	Spearman correlation coefficient between daily mean air temperature and relative humidity during the warm season	Climatologic	ERA5
KG	Koppen-Geiger climate classification	Climatologic	MCC dataset
Lat	Latitude	Geographic	MCC dataset
Rgn	Large scale region	Geographic	MCC dataset
Elv	Elevation (10 km-resolution)	Geographic	⁵⁵
D_{coast}	Distance to the nearest coastline (0.1°-resolution)	Geographic	⁵⁶
Ctry	Country	Social-economic	MCC dataset
GDP	Country-averaged Gross domestic product per capita	Social-economic	MCC dataset

Table S6 The specific values of 13 features for all 739 cities.

City	T_mean (°C)	T_std (°C)	RH_mean (%)	RH_std (%)	Corr_T-RH	P_mean (mm)	Elevation (m)	Dis_coast (km)	Lat (°)	GDP per capita (USD)	KG	Country	Region
Buenos Aires	21.3	3.2	72.3	9.2	0.06	250.2	1	2	-34.6	7193	Cfa	Argentina	South America
Cordoba	20.8	3.4	68.7	12.2	-0.04	131.7	432.7	573	-31.42	7193	Cwa	Argentina	South America
Rosario	21.9	3.6	69.7	10	0.1	175.2	8.6	211	-32.94	7193	Cfa	Argentina	South America
Brisbane	23	2.2	74.8	7.8	0.04	617.2	84.9	10	-27.47	20536.4	Cfa	Australia	Australia
Melbourne	17.5	4.1	68.1	11.1	-0.45	514.2	32.5	7	-37.78	20536.4	Cfb	Australia	Australia
Sydney	20.7	2.2	74.5	8.9	0.24	508.2	26.6	3	-33.87	20536.4	Cfa	Australia	Australia
Belo Horizonte	23.1	1.7	74.1	10.5	-0.66	65.6	804.6	332	-19.82	3595.2	Cwa	Brazil	South America
Brasilia	22.4	1.5	76.2	11.6	-0.87	57.9	1112.3	871	-15.78	3595.2	Aw	Brazil	South America
Curitiba	19.8	2.4	85.8	3.9	-0.38	75.3	963.2	58	-25.43	3595.2	Cfb	Brazil	South America
Caratinga	24	1.6	77.4	7.5	-0.59	68.9	772.4	182	-19.79	3595.2	Aw	Brazil	South America
Divinopolis	22.9	1.7	76.3	10.1	-0.62	64.8	734.7	217	-20.14	3595.2	Cwa	Brazil	South America
Fortaleza	27	0.6	78.9	4.5	-0.45	220.8	11	0	-3.72	3595.2	As	Brazil	South America
Juiz de Fora	23	1.8	80.7	6.7	-0.52	69.9	770.1	99	-21.76	3595.2	Cwa	Brazil	South America
Londrina	23.6	1.9	76.8	9.8	0.28	63	520.4	338	-23.31	3595.2	Cfa	Brazil	South America
Macao	26.2	0.6	80.5	4.5	-0.61	54.3	34.4	0	-9.67	3595.2	Am	Brazil	South America
Palmas	26.9	1.4	59.2	12.5	-0.4	54.3	326.1	849	-10.17	3595.2	Aw	Brazil	South America
Porto Alegre	23.2	2.8	76.7	7.2	-0.04	114.1	30.4	3	-30.03	3595.2	Cfa	Brazil	South America
Rio Branco	26.1	1.4	82.4	8.5	-0.55	55.7	146.3	895	-9.98	3595.2	Am	Brazil	South America
Sao Luis	27	0.4	79.5	2.4	-0.47	92.7	32.2	1	-2.33	3595.2	Aw	Brazil	South America
Salvador	26.3	0.7	80.3	4	-0.5	37.1	40.6	2	-13.01	3595.2	Af	Brazil	South America
Santa Maria	22.7	3.1	75.5	9.5	-0.14	109.7	374.9	203	-29.68	3595.2	Cfa	Brazil	South America
Sao Paulo	21.9	2.1	81.3	6.2	-0.48	68.5	753.2	49	-23.53	3595.2	Cfa	Brazil	South America
Teresopolis	23.4	2.1	82.4	6.5	-0.6	67.4	954.1	32	-22.42	3595.2	Cfa	Brazil	South America
Vitoria	25.3	1.1	83.3	4	-0.21	68.6	12.2	0	-20.32	3595.2	Aw	Brazil	South America
Abbotsford	13.8	3.9	76.6	9.2	0.49	366.4	44.5	35	49.05	22109.6	Cfb	Canada	North America
Calgary	11.9	5.5	62.8	14.7	-0.21	346.1	1056.4	656	51.05	22109.6	Df	Canada	North America
Edmonton	12.1	5.7	66.5	12.5	-0.09	373.2	659.2	792	53.55	22109.6	Dfb	Canada	North America
Halifax	14.3	4.5	79.5	10.2	0.19	371.8	20.3	2	44.65	22109.6	Dfb	Canada	North America
Hamilton	17.1	5.2	72.2	8.9	0.16	763.6	208.3	523	43.26	22109.6	Dfb	Canada	North America
Kingston	16.9	5.2	76.2	8.7	0.11	461.4	81	424	44.23	22109.6	Dfb	Canada	North America
Kitchener-Waterloo	15.7	5.5	72.6	10.5	-0.02	455.4	325.4	569	43.45	22109.6	Dfb	Canada	North America
London Ontario	16.6	5.5	72.8	9.8	0.07	374.2	277.5	564	43.03	22109.6	Dfb	Canada	North America
Montreal	16.4	5.6	71.9	10.1	0.01	406.7	10.2	238	-45.51	22109.6	Dfb	Canada	North America

Niagara	17.5	5.2	73	8.6	0.13	974.2	174.6	480	43.08	22109.6	Dfb	Canada	North America
Oakville	16.7	5.3	72.3	9.2	0.11	455.4	78.5	531	43.45	22109.6	Dfb	Canada	North America
Oshawa	16.4	5.4	72	10.2	-0.01	303.2	95.2	522	43.9	22109.6	Dfb	Canada	North America
Ottawa	15.5	5.6	73.2	10.8	0.01	406.7	78.9	382	45.42	22109.6	Dfb	Canada	North America
Regina	13.4	6.4	64.9	13.1	-0.15	323.7	577.4	1054	50.45	22109.6	Dfb	Canada	North America
Sarnia	17.6	5.4	72.7	8.5	0.1	974.2	188.1	630	43	22109.6	Dfb	Canada	North America
Sudbury	14.4	5.6	74.4	11.2	0.04	403.3	247	546	46.29	22109.6	Dfb	Canada	North America
Saint John NB	12.7	3.6	82.6	9.6	0.33	396.5	27.1	4	45.27	22109.6	Dfb	Canada	North America
St. John's NFL	11.2	4.6	83.5	8.4	0.08	333.4	92.9	2	47.36	22109.6	Dfb	Canada	North America
Sault Ste. Marie	14.1	5.3	77.6	8.8	0.13	371.6	210.8	595	46.51	22109.6	Dfb	Canada	North America
Saskatoon	13.2	6.3	63.8	12.7	-0.13	356.3	300.6	1039	52.13	22109.6	Dfb	Canada	North America
Thunder Bay	12.8	5.7	76.1	9.9	0	383.6	181.6	689	48.41	22109.6	Dfb	Canada	North America
Toronto	16.6	5.4	72.3	9.8	0.01	463.8	79.5	525	43.65	22109.6	Dfb	Canada	North America
Victoria	12.8	2.1	83.7	5.2	-0.05	383.6	0.8	0	48.43	22109.6	Csb	Canada	North America
Vancouver	14.2	3.7	77.2	8.6	-0.56	384	34.3	0	49.25	22109.6	Cfb	Canada	North America
Windsor	16.7	5.5	71.2	9	0.03	531	183.3	633	42.31	22109.6	Dfa	Canada	North America
Winnipeg	14.4	6.5	68.8	11.4	0.15	408.3	231.6	833	49.88	22109.6	Dfb	Canada	North America
Chilán	17.1	2.9	67.9	8.7	-0.45	336.1	118.9	75	-36.61	10217.3	Csb	Chile	South America
Santiago	19.6	2.8	58	9.4	-0.43	214.5	579.5	87	-33.40	10217.3	Csb	Chile	South America
Temuco	13.9	2.9	77.4	7.1	-0.38	393.3	168.5	88	-38.74	10217.3	Cfb	Chile	South America
Valparaiso	16.1	1.6	77.9	6.4	-0.19	202.9	119.2	0	-33.05	10217.3	Csb	Chile	South America
Hong Kong	26.6	2.3	84.8	3.4	-0.35	1430.3	43.2	0	22.28	1740.1	Cwa	China	East Asia
Lanzhou	16.9	4.8	54.2	16	-0.19	397.5	1576.3	1248	36.06	1740.1	BSk	China	East Asia
Shenyang	19.6	6	67.5	14.1	0.29	700.5	44.6	152	-1.8	1740.1	Dwa	China	East Asia
Suzhou	24.3	4.4	78	8.2	0.06	948.4	7.4	58	31.3	1740.1	Cfa	China	East Asia
Taiyuan	19.1	5.3	61.4	16	-0.1	418.1	706.9	440	37.67	1740.1	Dwa	China	East Asia
Tianjin	22.7	5.3	64.5	15.3	0.13	562.3	5.5	44	39.11	1740.1	Dwa	China	East Asia
Klan	22.8	5	64.9	14.7	0.25	667.2	393.4	910	34.27	1740.1	Cwa	China	East Asia
Bogotá	15.7	1	75.1	11.8	-0.86	739.4	2549.2	325	4.71	3709.1	Cfb	Colombia	South America
Barranquilla	27.3	0.7	84.7	2.3	-0.66	717.6	37.7	13	10.92	3709.1	Aw	Colombia	South America
Call	21.7	0.7	83	2.9	-0.68	768.9	1038.1	76	3.38	3709.1	Af	Colombia	South America
Cartagena	27.3	0.7	85	2	-0.48	783.4	7	1	10.45	3709.1	Au	Colombia	South America
Medellin	17.2	0.7	83.7	3.6	-0.64	910.1	2043.3	198	6.22	3709.1	Af	Colombia	South America
San José	21.6	0.7	89.8	4.1	-0.62	838.7	637.2	11	9.63	6900	Am	Costa Rica	Central America
Brno	15.4	-0.9	69.5	10.2	-0.3	408.4	244.3	403	49.2	11967	Cfb	Czech Republic	Central Europe
Ostrava	14.9	-4.8	74.2	9.7	-0.24	548.8	234.7	495	49.82	11967	Cfb	Czech Republic	Central Europe

Prague	15.3	4.8	71.5	10.4	-0.49	414.5	257	390	50.08	11667	Cfb	Czech Republic	Central Europe
South Bohemia	14.9	4.8	72.2	9.8	-0.27	446.3	402.5	351	48.95	11667	Cfb	Czech Republic	Central Europe
Guayaquil	24.2	1.2	83.4	3	0.11	201.1	5.6	2	-2.2	6050	Aw	Ecuador	South America
Quito	12.9	0.8	76.4	8.2	0.67	175.1	2526.4	149	0.18	6050	Cfb	Ecuador	South America
Kohtla-Järve Inn	10.4	7.6	76.5	10.8	-0.12	388.3	74.8	6	59.36	16586	Dfb	Estonia	North Europe
Narva Inn	10.5	7.6	75.1	10.8	-0.08	406.7	28.5	8	59.37	16586	Dfb	Estonia	North Europe
Pärnu Inn	13	5.2	75.1	11.3	-0.09	437	8.2	7	58.35	16586	Dfb	Estonia	North Europe
Tallinn	6.8	8.6	77.4	10.7	-0.35	307.4	45.6	6	59.44	16586	Dfb	Estonia	North Europe
Tartu Inn	13	5.2	74.7	10.9	-0.04	423.4	54.6	117	58.37	16586	Dfb	Estonia	North Europe
Helsinki	12.6	5	78.9	11.7	-0.3	418.5	2.3	1	60.17	32815.7	Dfb	Finland	North Europe
Bordeaux	18.5	3.9	72.1	10.4	-0.49	371.8	11.3	23	66.81	36544.6	Cfb	France	Central Europe
Clermont-Ferrand	14.7	4.3	76.1	9.7	-0.49	545.1	639.9	259	45.78	36544.6	Cfb	France	Central Europe
Dijon	6.7	5.6	79	11.1	-0.41	500.1	240.8	404	47.32	36544.6	Cfb	France	Central Europe
Grenoble	13.5	4.8	75.4	9.4	-0.33	761	296.7	204	45.17	36544.6	Cfb	France	Central Europe
La Haie	15.1	3	80.2	6.6	-0.09	460.3	1.7	1	49.5	36544.6	Cfb	France	Central Europe
Lille	15.3	3.6	77.7	8	-0.32	391.2	29.5	67	50.61	36544.6	Cfb	France	Central Europe
Lens Douai	15.3	3.7	77.4	8.1	0.36	387.7	46.7	81	50.4	36544.6	Cfb	France	Central Europe
Lyon	17.3	4.4	71.2	10.4	-0.52	548.7	186.9	255	45.75	36544.6	Cfb	France	Central Europe
Montpellier	20	3.2	70.7	11.8	-0.14	317.2	6.3	8	43.6	36544.6	Csa	France	Central Europe
Marseille	19.8	3.3	72.4	10	-0.13	248.8	26.7	3	43.3	36544.6	Csa	France	Central Europe
Nice	18.7	3.4	77.6	8.8	-0.05	373.3	116.7	2	43.7	36544.6	Csb	France	Central Europe
Nancy	15.8	4.5	74.1	11	-0.54	457.1	246.6	327	48.68	36544.6	Cfb	France	Central Europe
Nantes	16.5	3.6	76.7	9.4	-0.36	341	18.4	37	47.22	36544.6	Cfb	France	Central Europe
Paris	16.1	4	75.1	9.4	-0.46	370.6	44.8	144	49.87	36544.6	Cfb	France	Central Europe
Rennes	15.8	3.4	77.6	8.5	-0.31	356	31.6	53	48.08	36544.6	Cfb	France	Central Europe
Rouen	15.1	3.6	79.4	8	-0.36	412.9	63.6	46	49.43	36544.6	Cfb	France	Central Europe
Strasbourg	16.4	4.5	73.1	10.4	-0.53	509	141.9	394	48.58	36544.6	Cfb	France	Central Europe
Toulouse	18.8	4.1	71.1	9.1	0.44	393	185.2	143	43.6	36544.6	Cfb	France	Central Europe
Berlin	15.5	4.6	72.4	11	-0.52	366.4	45.2	145	52.52	35240	Cfb	Germany	Central Europe
Bremen	14.8	4.1	76.6	9.3	-0.41	426.2	4.8	36	53.07	35240	Cfb	Germany	Central Europe
Dresden	14.4	4.6	75.2	10.4	-0.49	485.2	152.6	285	51.05	35240	Cfb	Germany	Central Europe
Dortmund	14.9	4.3	76.5	10.2	-0.48	500.1	149.4	166	51.51	35240	Cfb	Germany	Central Europe
Düsseldorf	15.3	4.2	75.8	10	-0.47	485.1	40.2	161	51.22	35240	Cfb	Germany	Central Europe
Frankfurt	16	4.6	71.2	11.2	-0.55	388.4	127.1	337	50.11	35240	Cfb	Germany	Central Europe
Hamburg	14.6	4.1	77.1	9.5	-0.43	440.1	10.5	13	53.55	35240	Cfb	Germany	Central Europe
Hannover	14.9	4.3	75.2	9.6	-0.47	420	57.5	127	52.37	35240	Cfb	Germany	Central Europe

Koeln	15.4	4.3	75.2	10.5	-0.49	478	52.6	182	50.93	35240	Cfb	Germany	Central Europe
Leipzig	15.5	4.6	72.5	10.3	-0.51	389.1	118.9	295	51.34	35240	Cfb	Germany	Central Europe
Muenchen	15.1	4.7	74.8	9.8	-0.52	580.4	533	283	48.14	35240	Cfb	Germany	Central Europe
Stuttgart	15.2	4.6	73.8	10.3	-0.52	468.9	296	436	48.78	35240	Cfb	Germany	Central Europe
Athens	23.7	4.1	54.5	11	-0.67	87.1	52.7	6	37.98	22252	Csa	Greece	South Europe
Guatemala	21.3	1.2	72.1	7.4	-0.69	235	1518.8	76	14.63	4140	Cwb	Guatemala	Central America
Mashhad	20	5.1	39.4	14.2	-0.55	55.4	1043.5	1046	36.26	5437.8	Bsk	Iran	Middle-East Asia
Tehran	21.1	5.3	31.3	12.7	-0.7	72.6	1239.5	612	35.72	5437.8	Csa	Iran	Middle-East Asia
East of Northern Ireland	12.9	2.9	81	6.8	-0.05	386.5	92.7	28	53.88	20852.3	Cfb	Ireland	North Europe
NorthEast of the Republic of Ireland	12.9	2.9	81.1	7	-0.04	363.1	110.9	79	52.88	20852.3	Cfb	Ireland	North Europe
NorthWest of the Republic of Ireland	12.3	2.8	83	6.3	0.02	350.4	199.3	24	54.78	20852.3	Cfb	Ireland	North Europe
SouthEast of Republic of Ireland	12.9	2.7	81.8	6.4	0.09	390.5	58.9	6	53.37	20852.3	Cfb	Ireland	North Europe
SouthWest of the Republic of Ireland	12.7	2.6	83.5	6.4	0.18	360	190	10	52.32	20852.3	Cfb	Ireland	North Europe
West of Northern Ireland	13	2.9	80.8	6.6	-0.02	343.3	18.5	40	54.5	20852.3	Cfb	Ireland	North Europe
Ancona	21.4	4	69.1	9.9	-0.42	292.2	24.3	2	43.62	33426.2	Cfa	Italy	South Europe
Bari	21.3	4.4	71.2	7.6	-0.28	184.5	11.1	2	41.13	33426.2	Cfa	Italy	South Europe
Bologna	20.8	4.6	65.7	12.2	-0.58	384.8	131.8	69	44.51	33426.2	Cfa	Italy	South Europe
Catania	22.9	3.8	67	10.5	-0.61	192	32.8	0	37.51	33426.2	Csa	Italy	South Europe
Cagliari	21.7	3.5	69.2	8.6	-0.45	156.8	1	4	39.25	33426.2	Csa	Italy	South Europe
Civitavecchia	21.1	3	79.1	8.3	0.1	289.7	4.5	2	42.09	33426.2	Cse	Italy	South Europe
Florence	19.3	4.1	71.1	9.7	-0.49	392.7	57.2	73	43.78	33426.2	Cfb	Italy	South Europe
Frosinone	16.4	4.1	73.2	9.7	-0.53	415.3	518.1	48	41.66	33426.2	Cfa	Italy	South Europe
Genoa	17.6	3.6	77.1	10.4	-0.22	607.2	15.3	0	44.41	33426.2	Csb	Italy	South Europe
Latina	20.8	3.6	76	7.2	-0.46	365.9	17.6	11	41.47	33426.2	Csa	Italy	South Europe
Milan	20.2	4.6	68.2	12.1	-0.51	630.1	119.1	122	45.47	33426.2	Cfa	Italy	South Europe
Naples	21.6	3	75.6	8.4	0.04	321	0.8	0	40.85	33426.2	Csa	Italy	South Europe
Palermo	22.2	3.8	66.5	11	-0.61	215.8	34.6	1	38.12	33426.2	Csa	Italy	South Europe
Rieti	18.2	4.2	69.1	10.8	-0.63	392.3	547.4	83	42.4	33426.2	Cfa	Italy	South Europe
Rome	21.2	3.9	70	9.3	-0.54	338.8	46.4	25	41.9	33426.2	Csa	Italy	South Europe
Trieste	18.4	4	74.8	8.3	-0.16	801.1	74.5	2	45.63	33426.2	Cfb	Italy	South Europe
Turin	19.2	4.5	67.8	12	-0.48	502.9	337.9	106	45.07	33426.2	Cfb	Italy	South Europe
Viterbo	20	4	71.7	10.8	-0.49	375.9	514.5	38	42.42	33426.2	Csa	Italy	South Europe

Aichi	22.9	4.4	73	9.7	0.06	997.1	5.8	11	35.18	31013.6	Cfa	Japan	East Asia
Akita	19	4.5	79.4	8.3	0.29	1038.9	5.5	1	39.72	31013.6	Cfa	Japan	East Asia
Aomori	17.5	4.8	78.4	8.8	0.24	789.4	45.3	5	40.82	31013.6	Cfa	Japan	East Asia
Chiba	21.6	3.6	81.9	7.1	0.28	1073.3	18.5	8	35.61	31013.6	Cfa	Japan	East Asia
Ehime	22.1	3.9	76.7	8.6	0.18	1157.4	12.5	10	33.84	31013.6	Cfa	Japan	East Asia
Fukushima	18.5	4.7	78.7	9.6	0.12	916.7	137.6	39	37.75	31013.6	Dfb	Japan	East Asia
Fukuoka	23.1	4.1	76.1	9.2	0.15	1218	2.2	2	33.61	31013.6	Cfa	Japan	East Asia
Fukui	20.6	4.3	77.5	7.9	0.15	1231.2	16.4	12	36.07	31013.6	Cfa	Japan	East Asia
Gifu	21.4	4.2	75.8	10.3	0.14	1603.2	7.1	36	35.39	31013.6	Cfa	Japan	East Asia
Gunma	19.5	4.3	75.9	10.1	0.07	1110.8	107.2	101	36.39	31013.6	Cfa	Japan	East Asia
Hokkaido	15.3	4.8	80.4	7.7	0.33	770.2	189.5	11	43.06	31013.6	Dfb	Japan	East Asia
Hiroshima	21.6	4.3	74	10.7	0.14	1085.4	13.7	3	34.4	31013.6	Cfa	Japan	East Asia
Hyogo	23.3	4.1	73.6	8	0.17	1050.9	234.6	1	34.69	31013.6	Cfa	Japan	East Asia
Ibaraki	21	3.7	80.4	8.6	0.37	972.8	26.2	14	36.34	31013.6	Cfa	Japan	East Asia
Ishikawa	20	4.7	76.6	9.3	0.06	1280.9	40.5	2	36.59	31013.6	Cfa	Japan	East Asia
Iwate	16	4.8	80.5	8.9	0.17	725.4	142.5	64	39.7	31013.6	Dfb	Japan	East Asia
Kagawa	22.5	3.9	75.2	8.9	0.27	985	41.1	6	34.34	31013.6	Cfa	Japan	East Asia
Kagoshima	24.2	3.5	78.3	8.4	0.22	1417.6	16.7	1	31.56	31013.6	Cfa	Japan	East Asia
Kumamoto	22.6	3.7	76.7	9.3	0.2	1253.9	24	8	32.79	31013.6	Cfa	Japan	East Asia
Kanagawa	22.2	3.7	79.5	7.3	0.33	930.7	20.3	3	35.45	31013.6	Cfa	Japan	East Asia
Kochi	22.7	3.5	79	8.8	0.32	1788.2	32.1	7	33.56	31013.6	Cfa	Japan	East Asia
Kyoto	21.7	4.4	75.3	9.2	0.08	1109.3	176.2	47	35.02	31013.6	Cfa	Japan	East Asia
Mie	22.1	4	77.6	8.7	0.21	1302.5	33.8	2	34.73	31013.6	Cfa	Japan	East Asia
Miyagi	18.8	4.5	80.1	9.1	0.22	890.1	54.1	10	38.27	31013.6	Cfa	Japan	East Asia
Miyazaki	23.9	3.1	79.2	9	0.32	1431.2	52.5	2	31.91	31013.6	Cfa	Japan	East Asia
Nagano	17.8	4.7	77.7	9.4	0.09	1106.6	570.7	48	36.64	31013.6	Dfb	Japan	East Asia
Nara	23.4	4.5	69.8	9.6	0.01	865.4	78.3	32	34.69	31013.6	Cfa	Japan	East Asia
Nagasaki	22.9	3.2	81.8	10.3	0.33	1378.5	138.8	0	32.74	31013.6	Cfa	Japan	East Asia
Niigata	21	4.3	78.6	7.7	0.33	907.6	2.3	1	37.9	31013.6	Cfa	Japan	East Asia
Oita	22.8	4	76.8	8.9	0.05	1152.8	96.6	6	33.24	31013.6	Cfa	Japan	East Asia
Okinawa	26.4	1.8	82.3	7.8	0.09	1016	2	2	26.21	31013.6	Cfa	Japan	East Asia
Okayama	23.5	4.4	70.7	10	0.09	885.2	7.3	9	34.66	31013.6	Cfa	Japan	East Asia
Osaka	23.5	4.3	70.9	8.9	0.06	961.4	2.7	5	34.69	31013.6	Cfa	Japan	East Asia
Saga	23	4	77.6	9.1	0.22	1306.8	0.5	3	33.25	31013.6	Cfa	Japan	East Asia
Saitama	22.4	4.2	76.6	7.9	0.1	940.8	12.1	29	35.85	31013.6	Cfa	Japan	East Asia
Shiga	21.7	4.4	75.3	9.2	0.08	1109.3	226.3	53	35	31013.6	Cfa	Japan	East Asia

Shimane	21.7	3.8	78.7	8.7	0.32	917.3	22.4	8	35.47	31013.6	Cfa	Japan	East Asia
Shizuoka	21.5	3.4	80.9	8	0.37	1576.9	41.7	6	34.98	31013.6	Cfa	Japan	East Asia
Tochigi	21.5	4.4	76.2	9.2	0.1	932.3	112.2	65	36.57	31013.6	Cfa	Japan	East Asia
Tohushima	22.2	3.7	77	9.2	0.3	1430.1	36.4	0	34.07	31013.6	Cfa	Japan	East Asia
Tokyo	22.4	4.2	76.6	7.9	0.1	940.8	47	7	35.69	31013.6	Cfa	Japan	East Asia
Toiyama	20.8	4.5	76.1	8.9	0.01	1239.5	30.2	5	36.7	31013.6	Cfa	Japan	East Asia
Tottori	21.6	4.3	76.7	8	0.17	1048.2	64.1	5	35.5	31013.6	Cfa	Japan	East Asia
Wakayama	22.8	3.9	75	9	0.24	1052.6	1.7	2	36.23	31013.6	Cfa	Japan	East Asia
Yamaguchi	22.4	4.2	75	10	0.14	1148.9	289	15	34.19	31013.6	Cfa	Japan	East Asia
Yamagata	17.9	4.8	80.5	8.6	0.12	791.3	189.1	44	38.24	31013.6	Dfa	Japan	East Asia
Yamanashi	17	4.3	75.4	11	0	1044.4	262.6	63	35.66	31013.6	Dfb	Japan	East Asia
Kuwait	33.6	3.6	33.8	12.9	-0.66	4.1	5.5	0	29.38	30410	BWh	Kuwait	Middle-East Asia
Ciudad Juarez	24.9	4.5	38.7	17.3	-0.4	25.5	1170.7	581	31.69	8666.3	BWk	Mexico	Central America
Comarca Lagunera	22.8	2.6	50.5	13.8	-0.72	5	1728	406	24.22	8666.3	BSh	Mexico	Central America
Guadalajara	21.8	1.9	66.1	15.5	-0.67	17.1	1577.4	202	20.66	8666.3	Cwa	Mexico	Central America
Leon	19.7	2.1	61.9	15	-0.65	11.1	1847.8	341	21.13	8666.3	Cwb	Mexico	Central America
Monterrey	25.8	3.1	66.9	11.7	0.69	3.4	517.2	255	25.69	8666.3	BSh	Mexico	Central America
Panitia-Tlaxcala	18.5	1.5	68.4	10.4	-0.54	28.5	2150.1	201	19.04	8666.3	Cwb	Mexico	Central America
San Luis Potosi	19	2.1	69.1	10.4	-0.65	7.9	1902.8	323	22.16	8666.3	Bsk	Mexico	Central America
Tijuana	18.9	2.4	76.5	7.2	-0.15	41.7	85.9	12	32.32	8666.3	BSh	Mexico	Central America
Toluca de Lerdo	13.6	1.2	76.3	10.7	-0.49	28.5	2537.3	259	19.28	8666.3	Cwb	Mexico	Central America
valley of Mexico	18.2	1.7	65.2	9.3	-0.63	26	2287.4	219	19.67	8666.3	Cwb	Mexico	Central America
Ariemli Noi	17.9	5.2	67.7	10.9	-0.41	322.4	124.8	110	47.03	950.6	Cfb	Moldova	Central Europe
Cahul	19.3	5.1	66.2	9.8	-0.32	289.9	1.8	85	45.51	950.6	Cfb	Moldova	Central Europe
Chisinau	18.1	5.1	65.9	10.8	-0.28	328.4	128.3	122	46.58	950.6	Cfb	Moldova	Central Europe
Falezi	17.6	5	66.4	11.1	-0.24	405.6	151.1	231	47.75	950.6	Dfb	Moldova	Central Europe
Amsterdam	14.6	4	78.3	8.4	-0.14	436.8	3.4	3	52.37	41577	Cfb	Netherlands	North Europe
Den Haag	14.6	3.9	78	7.9	0.07	414.3	1.6	3	52.07	41577	Cfb	Netherlands	North Europe
Eindhoven	15.2	4.3	74.2	9.9	-0.26	419.9	38.9	69	51.44	41577	Cfb	Netherlands	North Europe
Rotterdam	14.7	4	78	8.1	-0.12	427.7	1.7	20	51.92	41577	Cfb	Netherlands	North Europe
Utrecht	15	3.7	79.4	8.2	-0.33	435.7	2.3	24	52.09	41577	Cfb	Netherlands	North Europe
Oslo	12	4.9	72.5	12.9	-0.12	544.7	9.4	2	59.91	66675	Dfb	Norway	North Europe
Panama	26.2	0.6	86.4	3.5	-0.67	1025.5	0.1	0	8.98	14360	Am	Panama	Central America
Asuncion	19.6	4.9	74.6	10.9	-0.24	91.9	93.5	810	-25.3	5280	Cfa	Paraguay	South America
Apurimac	7.4	1.2	66.9	10	0.04	46.9	3991.7	204	-14	5869	ET	Peru	South America
Arequipa	12.9	1.1	40.6	17.8	0	47	2469.8	88	-16.4	5869	BWk	Peru	South America

Ayacucho	8.7	1.1	70.4	7.1	0.13	48.3	2726.8	218	-13.16	5869	Cwb	Peru	South America
Cajamarca	12	0.7	72.8	9.4	-0.5	48.9	2938.3	116	-7.16	5869	Bfa	Peru	South America
Cusco	8.1	1.2	65.4	8.5	-0.09	48.9	3513.9	344	-13.52	5869	Cfb	Peru	South America
Huancavelica	3.6	1.1	76.2	9.6	0.1	52.5	4053.3	146	-12.78	5869	ET	Peru	South America
Huánuco	11.3	1	71.8	5.6	-0.19	52.3	2257.2	195	-9.93	5869	Cfb	Peru	South America
Ica	19.7	1.1	60.4	4.7	0.23	46.9	446.7	49	-14.07	5869	BWk	Peru	South America
Junín	3.5	1	79.3	7.4	0.06	53	4308.6	141	-11.16	5869	ET	Peru	South America
Lima	19	1.9	79.4	5.1	0.58	49.6	149	13	-12.04	5869	BWh	Peru	South America
La Libertad	11	0.8	80.2	10.1	0.11	48.8	3416.2	58	8	5869	BWh	Peru	South America
Lambayeque	22	2.3	80.2	2.6	-0.49	50.5	22.1	11	-6.7	5869	BWh	Peru	South America
Loreto	25.4	1.1	80.6	3.7	-0.65	49.4	122.6	601	-4	5869	Af	Peru	South America
Piura	24.2	2.2	69.8	4.4	0.53	104.1	35.2	46	-5.29	5869	BWh	Peru	South America
Puno	7.7	1.4	52.8	14.9	0.15	45.3	3920.9	228	-15.84	5869	ET	Peru	South America
San Martín	24.3	0.9	86.6	4.2	-0.84	65	252	356	-6.58	5869	Af	Peru	South America
Tarma	19.5	1	71.8	5	0.08	61.8	893.9	36	-18.01	5869	BWh	Peru	South America
Ucayali	26.3	1.1	86.7	4.5	-0.84	48.6	152.4	400	-8.59	5869	Am	Peru	South America
Bacoor	27.4	1.4	74.3	5.3	0.36	257.3	2	0	14.45	1929.1	Aw	Philippines	South East Asia
Cebu	26.4	0.7	82.5	3.2	0.29	860	63.1	1	10.37	1929.1	Am	Philippines	South-East Asia
Calcutan	27.4	1.6	76.6	4.5	-0.41	382.9	5.7	4	14.66	1929.1	Am	Philippines	South-East Asia
Davao	26.5	0.6	82.5	3.5	0.78	1136.6	21.8	3	7.07	1929.1	Af	Philippines	South-East Asia
Las Pinas	27.4	1.6	76.6	4.5	-0.41	382.9	33	4	14.63	1929.1	Af	Philippines	South-East Asia
Makati	27.1	1	76.3	3.3	-0.05	396.3	1.7	4	14.36	1929.1	Af	Philippines	South-East Asia
Manila	27.8	1.6	73.4	5.2	-0.44	286.9	1.7	4	14.38	1929.1	Af	Philippines	South-East Asia
Muntinlupa	27.1	1	76.3	5.3	-0.05	396.3	32.3	10	14.41	1929.1	Am	Philippines	South-East Asia
Pasig	27.1	1	78.5	5.3	0.14	666.6	33	14	14.59	1929.1	Af	Philippines	South-East Asia
Quezon	27.1	1.4	77	4.4	-0.37	293.9	52.9	8	14.68	1929.1	Af	Philippines	South-East Asia
Taguig	27.1	1	78.5	5.3	0.14	666.6	15.4	13	14.52	1929.1	Af	Philippines	South-East Asia
Valenzuela	28.1	1.3	79.9	6.7	0.72	1408.3	8.8	8	14.7	1929.1	Am	Philippines	South East Asia
Zamboanga	26.3	0.6	84.7	2.7	-0.76	1227.2	6.5	0	6.9	1929.1	Aw	Philippines	South-East Asia
Beja	19.7	5.4	60.5	13	-0.7	89.1	206.1	29	38.02	12185	Csa	Portugal	South Europe
Coimbra	17.4	4.4	72.2	11.8	-0.41	276.9	62.9	35	40.21	12185	Csb	Portugal	South Europe
Castelo Branco	19.2	5.9	59.5	14.8	-0.68	149.6	263.5	117	39.82	12185	Csa	Portugal	South Europe
Faro	18.6	3.5	72.7	8.6	-0.31	81.4	28.2	0	37.02	12185	Csa	Portugal	South Europe
Lisboa	17.4	3.4	75.6	8.6	-0.2	178.8	25.6	0	38.72	12185	Csa	Portugal	South Europe
Porto	16.9	3.5	78.9	8.7	-0.05	167.6	76.1	5	41.16	12185	Csb	Portugal	South Europe
San Juan	26.3	1.2	79	4.5	0.02	33.6	2.1	0	18.47	30590	Am	Fuertorica	Central America

Bucharest	17.2	7.1	69.8	10.1	-0.35	411.7	74.4	196	-44.43	7777.2	Cfa	Romania	Central Europe
Brasov	12.8	6.6	75.2	9.4	-0.15	500.9	724.5	267	-45.66	7777.2	Dfb	Romania	Central Europe
Cluj-Napoca	13.4	6.4	73.9	9.3	-0.09	537	385.1	457	-46.77	7777.2	Dfb	Romania	Central Europe
Constanta	16.5	7	76.2	8.5	-0.3	229.3	22.4	4	-44.16	7777.2	Cfa	Romania	Central Europe
Galova	20.3	5.3	64.1	11.9	-0.56	323.2	68.6	353	-44.33	7777.2	Cfa	Romania	Central Europe
Salotti	19.3	5.1	67.2	10.2	-0.43	292.8	4.5	83	-45.44	7777.2	Cfa	Romania	Central Europe
Iasi	17.9	5.2	68.3	10.8	-0.4	574.9	136.5	213	-47.16	7777.2	Dfb	Romania	Central Europe
Timisoara	18.6	4.9	79	10	-0.40	391.2	86	406	-45.75	7777.2	Cfb	Romania	Central Europe
Alfred Nzo	10.5	4.3	58.4	14.5	0.19	198.7	1804.3	139	-30.35	5414	Cfb	South Africa	South Africa
Amajuba	14.1	4	56	14.8	-0.25	221.1	1276.8	207	-27.8	5414	Cwb	South Africa	South Africa
Amathole	11.8	3.8	65.1	16.4	-0.36	286.6	1028.4	64	-32.38	5414	Cfb	South Africa	South Africa
Buffalo City	16.9	2.8	69	13	-0.11	235.6	427.2	28	-32.93	5414	Cfb	South Africa	South Africa
Bojanala	16.4	4.3	51	13.3	-0.33	111.5	1051.5	515	-25.38	5414	BSh	South Africa	South Africa
Cacadu	14.7	3.9	57.6	14.8	-0.38	133.7	546.4	117	-33.04	5414	BSh	South Africa	South Africa
Chris Hani	11.8	4.3	54.8	15.8	-0.37	183.6	1150.6	160	-31.87	5414	Cfb	South Africa	South Africa
Central Karoo	14.7	4.4	51.9	14.1	-0.56	78.7	696.7	134	-32.81	5414	BWk	South Africa	South Africa
City of Cape Town	14.4	1.6	79.4	8.1	0.1	465.5	1.9	1	-33.92	5414	Csb	South Africa	South Africa
Capricorn	15	3.4	59.5	14.8	-0.25	90.5	1260.5	387	-23.88	5414	BSh	South Africa	South Africa
Cape Winelands	10.8	3.8	68.3	13.7	-0.57	249.6	921.6	119	-33.42	5414	Csb	South Africa	South Africa
City of Johannesburg	19.2	2.3	67.8	13.8	-0.48	678.1	1723.6	450	-26.2	5414	Cwb	South Africa	South Africa
City of Tshwane	22.2	2.5	60.7	13.3	-0.6	532	1200.7	412	-25.61	5414	Cwa	South Africa	South Africa
Dr Kenneth Kaunda	20.7	2.9	61.6	14.2	-0.51	539.1	1362.8	546	-26.86	5414	BSh	South Africa	South Africa
Dr Ruth Segomotsi Mompati	22.1	3.2	55.4	16.3	-0.5	405.1	1330.4	743	-26.66	5414	BSh	South Africa	South Africa
Eden	19.4	3.1	67.4	8.7	-0.25	230.6	438.6	44	-33.7	5414	BSh	South Africa	South Africa
Enlizeni	22.5	2.5	73.6	8.2	-0.37	556.3	467.5	135	-25.39	5414	Cwa	South Africa	South Africa
Durhuleni	19.2	2.3	67.8	13.6	-0.49	651	1536.5	420	-26.18	5414	Cwb	South Africa	South Africa
eThekweni	22.4	2.4	79.8	5.5	0.13	586.6	37.7	3	-29.86	5414	Cfa	South Africa	South Africa
Frances Baard	23	3.7	49.6	17.1	-0.54	370.6	1039.6	606	-28.43	5414	BSh	South Africa	South Africa
Fezile Dabi	20.1	2.6	61.9	14	-0.48	584.7	1471.5	417	-27.39	5414	Cwa	South Africa	South Africa
Gert Sibande	17.2	2.5	76.4	9.7	-0.4	695.1	1713.6	256	-26.55	5414	Cwb	South Africa	South Africa
Greater Sekhukhune	21.5	2.4	66.8	10.4	-0.53	574.2	1315.9	282	-26.83	5414	BSh	South Africa	South Africa
hembé	22.8	2.2	79.6	3.6	0.17	647.9	354.9	9	-29.38	5414	Cfa	South Africa	South Africa
Joe Sqabi	18.2	3.3	59.9	13.9	-0.42	542.8	1471.6	224	-30.96	5414	BSh	South Africa	South Africa
John Tsiso Goetsewe	23.6	3	45.7	17	-0.36	349.1	1163.7	659	-27.22	5414	BSh	South Africa	South Africa
Lefwapeputswa	21.2	3.3	56.5	15.7	-0.58	465.1	1338.5	479	-28.4	5414	BSh	South Africa	South Africa

Mangung	21.4	3.2	51.5	16.3	-0.45	452.5	1361.3	407	-29.16	5414	BSh	South Africa	South Africa
Mopani	25	2.9	64.5	11.8	-0.54	478.2	483.8	332	-23.31	5414	BSh	South Africa	South Africa
Ngaka Modiri Molema	21.4	2.9	60.5	14.0	-0.56	446.4	1480.3	653	-25.03	5414	BSh	South Africa	South Africa
Niangala	18.9	2.3	70.2	11.7	0.46	660.5	1588.9	290	-25.95	5414	Cwb	South Africa	South Africa
Nelson Mandela Bay	20.4	2.8	71.7	8	0	299.8	131.6	13	-33.75	5414	Cfa	South Africa	South Africa
Namakwa	22.3	4.3	40.7	13.5	0.61	94.1	887.2	215	-30.42	5414	BWh	South Africa	South Africa
N.O.R.Tambo	17.9	3.3	79.8	9.1	-0.38	831.9	956.7	75	-31.29	5414	Cfb	South Africa	South Africa
Overberg	19.9	1.9	72.5	8	0.18	190.6	51.4	3	-34.49	5414	BSk	South Africa	South Africa
Pbely ka Sema	24	3.9	39	15.7	0.44	224.9	1051.2	418	-30.18	5414	BWh	South Africa	South Africa
Sediberg	19.8	2.4	67.3	12.8	-0.48	654.7	1531.9	427	-26.68	5414	Cwb	South Africa	South Africa
Sisonke	16.8	3.2	76.3	11.3	-0.59	907.8	1283.6	112	-30.03	5414	Cfb	South Africa	South Africa
Siyanda	25.3	3.7	35.8	14.9	-0.31	182.7	970.4	470	-28.04	5414	BWh	South Africa	South Africa
Tsabo Mofutsanyane	17.9	2.6	67.7	13	-0.42	713.6	1541.1	324	-28.13	5414	Cwb	South Africa	South Africa
Ugu	20.8	2.8	79.4	7.5	-0.16	654.6	285.2	20	-30.62	5414	Cfa	South Africa	South Africa
uMgungundlovu	18.5	3.3	80.6	8.9	-0.56	804.7	707.2	79	-29.51	5414	Cfb	South Africa	South Africa
uMkhanyakude	24.7	2.2	75.4	6.5	-0.19	548.8	83.7	24	-27.27	5414	Aw	South Africa	South Africa
uMzinyathi	20.6	3.3	70.1	10.5	0.62	634.8	967.9	117	-28.52	5414	Cfb	South Africa	South Africa
uThula	19.9	2.9	70.3	9	-0.5	732.1	1109.1	181	-28.68	5414	Cwa	South Africa	South Africa
uThungulu	21.8	2.9	76.8	8.1	-0.5	547.4	430.2	67	-28.62	5414	Cfa	South Africa	South Africa
Vhembe	24	2.8	61.9	12.4	-0.6	362.1	677.8	421	-22.77	5414	BSh	South Africa	South Africa
West Coast	17.6	1.7	79.4	8.7	-0.12	67.8	55.3	10	-32.86	5414	BSk	South Africa	South Africa
West Rand	19.7	2.3	65.2	14.9	-0.5	664.8	1524.9	501	-25.32	5414	Cwb	South Africa	South Africa
Waterberg	22.3	2.4	61.5	13.5	-0.59	450.8	1290.3	476	-23.97	5414	BSh	South Africa	South Africa
Xhariep	22.3	3.4	46.5	16.8	-0.44	375	1266.4	654	-29.46	5414	BSk	South Africa	South Africa
Zululand	21.9	2.9	75.3	7.7	-0.48	579.1	680.2	113	-27.89	5414	Cwb	South Africa	South Africa
Aridong	4.5	6	58.5	14.2	0.3	246.8	149.2	63	36.57	11255.948	Dwa	South Korea	East Asia
Boryeong	5.6	6.7	71.2	8.7	0.43	305.3	16.6	5	36.33	11255.948	Cfa	South Korea	East Asia
Busan	10.1	5.5	61.9	11	0.46	341.6	88.8	1	35.1	11255.948	Cfa	South Korea	East Asia
Chuncheon	2.1	7.1	66.7	12.8	0.36	245.8	114.8	80	37.9	11255.948	Dwa	South Korea	East Asia
Chungju	2.8	6.4	64.8	12.8	0.17	292.7	242.1	90	36.97	11255.948	Dwa	South Korea	East Asia
Cheonan	4.5	6.6	66.7	11	0.37	251	123.2	32	36.76	11255.948	Dwa	South Korea	East Asia
Daegu	5	5.9	58.2	14.6	0.3	260.3	57.5	62	35.88	11255.948	Cwa	South Korea	East Asia
Daejeon	4.9	6.4	66.1	10.9	0.35	261.1	66.9	54	36.37	11255.948	Dfa	South Korea	East Asia
Donghae	3.5	6.6	64.6	14.7	0.36	351.2	68.4	3	37.51	11255.948	Dfa	South Korea	East Asia
Geoje	8.4	5.8	65	11.2	0.56	319.5	117.4	0	34.89	11255.948	Cfa	South Korea	East Asia
Gangneung	5.4	5	63.8	11.7	0.33	400.3	172.3	2	37.75	11255.948	Dfb	South Korea	East Asia

Gumi	21.1	4.8	70.8	11.5	0.19	859.1	222.9	95	35.13	11255.948	Dwa	South Korea	East Asia
Gwangju	20.9	4.6	76.6	9.8	0.33	982.2	65.3	39	35.17	11255.948	Cfa	South Korea	East Asia
Icheon	20.5	4.8	73.4	10.7	0.3	989.5	80.9	57	37.20	11255.948	Dwa	South Korea	East Asia
Incheon	20.1	4.3	81	9.7	0.42	958.5	12.1	0	37.48	11255.948	Cwa	South Korea	East Asia
Icheon	19	4.7	74.5	10.5	0.32	920.6	285.6	89	37.15	11255.948	Dwa	South Korea	East Asia
Jeju	21.5	3.8	81.7	9.1	0.35	933.3	11.1	3	33.51	11255.948	Cfa	South Korea	East Asia
Jinju	20.8	4.6	76.4	10.5	0.3	1135.4	58.9	13	35.16	11255.948	Cwa	South Korea	East Asia
Jeongeup	21.1	4.5	77.9	8.9	0.39	952.7	52.8	12	35.56	11255.948	Cfa	South Korea	East Asia
Miryang	21	4.5	72.7	12.3	0.29	902.7	164.3	39	35.49	11255.948	Cwa	South Korea	East Asia
Mungyeong	19.9	4.8	73.5	10.8	0.25	955.4	270.3	106	35.63	11255.948	Dwa	South Korea	East Asia
Mokpo	20.9	4	80.7	8.7	0.49	962.2	11.7	1	34.82	11255.948	Cfa	South Korea	East Asia
Namwon	19.8	4.6	75.5	10.9	0.32	982.8	156.9	52	35.42	11255.948	Dra	South Korea	East Asia
Pohang	21.1	3.9	77.4	9.9	0.37	835.8	19.9	2	35.03	11255.948	Cfa	South Korea	East Asia
Seoul	20.6	4.8	75.9	10.5	0.31	991.1	42.9	11	37.57	11255.948	Dwa	South Korea	East Asia
Seosan	20.7	4.3	76.1	10.1	0.46	874.6	48.9	6	36.78	11255.948	Cfa	South Korea	East Asia
Seogyupo	21.8	3.8	80.2	9.4	0.39	1122.3	6.7	0	33.25	11255.948	Cfa	South Korea	East Asia
Sokcho	18.6	4.3	78.3	9.8	0.38	848.2	84.1	0	38.25	11255.948	Dfa	South Korea	East Asia
Suwon	20.7	4.7	75	10.8	0.36	912.4	59.1	13	37.26	11255.948	Cwa	South Korea	East Asia
Taejeon	17.6	4.9	76.8	12.4	0.08	913.4	970.3	28	37.17	11255.948	Dwb	South Korea	East Asia
Tongyeong	20.9	3.6	82.8	10.6	0.35	1052.3	33.3	1	34.85	11255.948	Cwa	South Korea	East Asia
Ulsan	21.4	4.2	75.5	10.6	0.37	929	51.3	7	35.58	11255.948	Cfa	South Korea	East Asia
Wonju	19.5	4.8	74	10.5	0.29	934.8	366.5	90	37.34	11255.948	Dwa	South Korea	East Asia
Yosu	21.2	3.7	81.3	9.9	0.43	1094.2	18.6	0	34.74	11255.948	Cwa	South Korea	East Asia
Yeongcheon	20.4	4.8	72.7	12.8	0.12	952.1	103.2	34	35.98	11255.948	Cwa	South Korea	East Asia
Yeongju	20.2	4.8	72.5	10.9	0.22	847.7	671.6	81	36.87	11255.948	Dwa	South Korea	East Asia
A Coruna	16.5	2.6	81.5	6.5	-0.09	763.6	13	0	43.37	14787.8	Cyb	Spain	South Europe
Albacete	20.9	4.7	55	13.7	-0.62	268.9	692	141	38.98	14787.8	BSk	Spain	South Europe
Alicante	22.8	3.1	69.9	8.6	0.01	116.5	0	0	38.35	14787.8	BSk	Spain	South Europe
Almeria	22.1	2.8	71.8	8.2	-0.18	85.8	1.5	0	36.82	14787.8	BSk	Spain	South Europe
Avila	17.1	4.8	58.2	13.7	-0.75	346.5	1118.5	319	40.65	14787.8	Csb	Spain	South Europe
Badajoz	22	4.5	55.2	13.8	-0.75	242.9	185.5	152	38.87	14787.8	Csa	Spain	South Europe
Bilbao	16.9	2.9	80.4	6.8	0.09	763.6	184	10	43.25	14787.8	Cfb	Spain	South Europe
Barcelona	20.2	3.3	78.2	6.5	-0.16	527.5	7.1	2	41.38	14787.8	Csa	Spain	South Europe
Burgos	16.1	4.4	66.9	11.2	-0.62	531	904.1	122	42.33	14787.8	Csb	Spain	South Europe
Cadiz	22	2.8	69.3	10.1	-0.46	80.9	1.2	0	35.52	14787.8	Csa	Spain	South Europe
Caceres	22	4.9	52.3	15.2	-0.79	238.6	437.7	217	39.47	14787.8	Csa	Spain	South Europe

Ciudad Real	21.9	5.2	48.8	15.7	-0.79	268.5	632.5	249	38.98	14787.8	Csa	Spain	South Europe
Ceuta	20.3	2.1	83.1	7.4	0.05	83.6	3.9	0	35.88	14787.8	Csa	Spain	South Europe
Cordoba	24.2	4.4	51.1	12.7	-0.68	108.8	134.1	135	37.87	14787.8	Csa	Spain	South Europe
Castellon	21.8	3.2	74.8	8.7	0.07	198.9	22.9	2	39.98	14787.8	Bsk	Spain	South Europe
Canica	17.3	5	56.5	14.2	-0.73	346.5	1340.6	194	40.67	14787.8	Csb	Spain	South Europe
Guadalajara	19.9	5.1	50.1	14.8	0.77	346.5	845.2	265	40.63	14787.8	Csa	Spain	South Europe
Granada	19.5	3.9	73.6	8.5	-0.43	530.6	110.5	29	41.98	14787.8	Cfa	Spain	South Europe
Granada	19.2	4.6	54.2	13.1	-0.72	92	718.3	50	37.17	14787.8	Csa	Spain	South Europe
Huelva	23.4	3.7	61.1	12.6	0.65	92	3.6	3	37.25	14787.8	Csa	Spain	South Europe
Huesca	18	4.5	63.9	11.7	-0.58	531	465.6	164	42.13	14787.8	Cfb	Spain	South Europe
J�en	21.2	4.5	55.3	12.4	-0.7	108.8	738	116	37.75	14787.8	Csa	Spain	South Europe
Leon	17.2	4.5	60.9	11.6	-0.68	502.3	819	102	42.58	14787.8	Csb	Spain	South Europe
Logro�o	17.1	4	70.5	8.9	-0.46	502.3	420.4	89	42.45	14787.8	Cfb	Spain	South Europe
Lleida	21.2	4.2	61.6	11.8	-0.34	247.9	170.2	70	41.62	14787.8	Cfa	Spain	South Europe
Lugo	15.8	3.2	78.9	6.1	-0.36	974.2	456.4	65	43	14787.8	Csb	Spain	South Europe
Malaga	21.2	3.2	67.8	10.5	-0.42	85.8	43.8	0	36.72	14787.8	Csa	Spain	South Europe
Madrid	21.1	5.1	48.4	14.6	0.78	377.9	620.7	304	40.4	14787.8	Csa	Spain	South Europe
Millilla	23.4	3	67.7	10.5	-0.28	91.7	83.2	4	35.3	14787.8	Csa	Spain	South Europe
Murcia	23.4	3.5	62.9	10.6	-0.23	121.1	109.3	32	37.98	14787.8	Bsk	Spain	South Europe
Durango	16.5	3.7	74.1	9	-0.56	531	306.7	58	42.33	14787.8	Csb	Spain	South Europe
Oviedo	14.6	3.2	85	6.6	-0.03	763.6	358.3	29	43.35	14787.8	Csb	Spain	South Europe
Palmas G. Canaria	20.2	1.5	83.6	6.1	0.24	6.2	1.4	0	28.15	14787.8	BWh	Spain	South Europe
Palma Mallorca	22.6	3.2	72.9	6.9	-0.17	167.2	24.7	5	39.57	14787.8	Csa	Spain	South Europe
Palencia	17.9	4.6	59.4	12.1	-0.69	319.2	790.5	154	42.01	14787.8	Csb	Spain	South Europe
Pamplona	16.8	4.1	73.5	8.8	-0.49	783.7	457.4	63	42.82	14787.8	Cfb	Spain	South Europe
Pontevedra	17.4	2.8	77.4	8.8	-0.39	502.3	153.4	4	42.43	14787.8	Csb	Spain	South Europe
Segovia	16.7	5	58.5	14.7	-0.76	239	1012.9	266	40.95	14787.8	Csb	Spain	South Europe
Salamanca	17.8	4.6	58.5	13.3	0.72	239	820.7	247	40.95	14787.8	Csb	Spain	South Europe
San Sebastian	16.8	3.1	80.9	7.1	-0.01	763.6	71.8	3	43.32	14787.8	Cfb	Spain	South Europe
Santander	17.9	2.7	80.4	6.2	0.07	455.4	10.9	0	43.45	14787.8	Cfb	Spain	South Europe
Sorta	16.6	4.9	60	12.8	-0.7	271.7	1054.6	167	41.77	14787.8	Cfb	Spain	South Europe
Sevilla	24.2	4.2	53.8	13.4	-0.66	93.6	17.1	64	37.38	14787.8	Csa	Spain	South Europe
Teruel	15.9	6.2	61.2	13.8	-0.75	292	1454.1	166	40.33	14787.8	Csb	Spain	South Europe
Tenerife	20.3	1.6	80.8	5.6	0.27	5.4	10.7	5	28.47	14787.8	Csb	Spain	South Europe
Toledo	20.6	4.9	53.5	14.6	-0.75	218.3	516.2	333	39.85	14787.8	Csa	Spain	South Europe
Tarragona	21.5	3.2	72.6	9	-0.02	292.6	33.1	0	41.12	14787.8	Csa	Spain	South Europe

Vitoria	15	3.8	77.2	8.1	-0.37	783.7	713.5	52	42.83	14787.8	Cfb	Spain	South Europe
Valadolid	18.3	4.8	57.6	13.2	-0.72	271.7	713.2	199	41.65	14787.8	Csb	Spain	South Europe
Valencia	22.3	3.4	69.1	10	-0.12	238.6	113.5	9	39.47	14787.8	Csa	Spain	South Europe
Zamora	18.3	4.6	57.6	12.9	-0.7	212.5	676.2	223	41.48	14787.8	Csb	Spain	South Europe
Zaragoza	21.7	4.7	55	11.6	-0.58	271.7	239.4	160	41.65	14787.8	Bsk	Spain	South Europe
Gothenburg	13.2	4	78.6	10.2	-0.29	574.2	29.1	3	57.7	29283	Cfb	Sweden	North Europe
Malmo	14.2	3.8	77.1	8.7	-0.28	349.9	29.5	7	55.61	29283	Cfb	Sweden	North Europe
Stockholm	12.8	4.5	77	10.3	-0.22	357.4	32.6	2	59.33	29283	Dfb	Sweden	North Europe
Basel	13.8	6	77.9	9.7	-0.62	674.7	306.3	363	47.36	53256	Cfb	Switzerland	Central Europe
Bern	15.2	4.5	74.6	9.1	-0.53	610.4	566.6	294	46.95	53256	Cfb	Switzerland	Central Europe
Geneve	14.8	6.3	76.5	8.5	-0.47	790.3	408.3	280	46.2	53256	Cfb	Switzerland	Central Europe
Lausanne	15.2	4.1	77.3	7.4	-0.3	684.5	366.9	283	46.52	53256	Cfb	Switzerland	Central Europe
Lugano	16.4	4.1	72.7	10.9	-0.26	1011.2	454.2	175	46	53256	Df	Switzerland	Central Europe
Luzern	13.6	4.2	77.6	8.6	-0.47	1120	362.5	299	47.05	53256	Cfb	Switzerland	Central Europe
St. Gallen	15.1	4.4	76.6	8.1	-0.49	836.1	844.9	306	47.42	53256	Cfb	Switzerland	Central Europe
Zürich	15.3	4.5	75.2	9.5	-0.51	650.4	469.5	330	47.38	53256	Cfb	Switzerland	Central Europe
Kaohsiung	27.8	1.5	81.2	4.8	-0.37	1577.3	0	1	22.63	17200	Am	Taiwan	East Asia
Taipei	25.4	2.6	81.6	5.9	-0.36	1458.8	31.5	19	25.05	17200	Cfa	Taiwan	East Asia
Taichung	25.3	1.8	80.3	5	-0.18	1648.1	64.3	22	24.15	17200	Cfa	Taiwan	East Asia
Amnat Charoen	27.8	1.4	79.8	6.6	-0.66	1299.3	161.8	277	15.87	2643.5	Aw	Thailand	South-East Asia
Ayutthaya	29.1	1.3	76.3	6.9	-0.8	1082.1	6	87	14.35	2643.5	Aw	Thailand	South-East Asia
Bangkok	29.2	1.2	76.2	6	-0.81	980.7	6.8	25	13.75	2643.5	Aw	Thailand	South-East Asia
Buri Ram	28.2	1.5	76.3	6.8	-0.77	1046.5	166.8	282	14.95	2643.5	Aw	Thailand	South-East Asia
Chachoengsao	28.7	1.1	79.4	5.1	-0.79	1271	3.7	25	13.69	2643.5	Aw	Thailand	South-East Asia
Chumphon	27	0.7	84.2	3	-0.82	899	31.3	3	10.49	2643.5	Am	Thailand	South-East Asia
Chon Buri	28.7	1.1	78.8	5.3	-0.8	971.6	4.5	3	13.36	2643.5	Aw	Thailand	South-East Asia
Chiang Mai	27.6	1.7	77.1	9.1	-0.86	1005.4	412.3	264	18.79	2643.5	Aw	Thailand	South-East Asia
Chiang Rai	26.1	1.4	83.2	6	-0.65	1853.9	407.2	407	19.91	2643.5	Aw	Thailand	South-East Asia
Chiang Mai	27.8	0.8	84.5	3.3	-0.69	2012.2	23	5	12.61	2643.5	Am	Thailand	South-East Asia
Choiyaphum	27.8	1.4	77.5	6.5	-0.73	1011.3	182.2	277	15.81	2643.5	Aw	Thailand	South-East Asia
Khon Kaen	29.2	1.9	69.8	10.2	-0.72	781.9	176.9	375	16.44	2643.5	Aw	Thailand	South-East Asia
Kolasin	28.7	1.9	72.3	10.3	-0.68	947.7	145	337	16.43	2643.5	Aw	Thailand	South-East Asia
Kamphaeng Phet	29.6	1.7	72.5	10.6	-0.74	923.2	93.5	198	16.36	2643.5	Aw	Thailand	South-East Asia
Kanchanaburi	29.4	1.7	69.6	9	-0.84	605.4	68.8	85	14.07	2643.5	Aw	Thailand	South-East Asia
Krabi	27.6	0.9	84.9	5.1	-0.82	1417.1	22	4	8.06	2643.5	Am	Thailand	South-East Asia
Lamphun	28.4	1.9	66.6	12.9	-0.64	696.4	291.3	249	18.38	2643.5	Aw	Thailand	South-East Asia

Lampang	28.4	1.8	71.8	13.2	-0.7	891.4	237	268	18.29	2643.5	Aw	Thailand	South-East Asia
Lop Buri	29.6	1.5	72.2	8.3	-0.82	795.6	13.5	132	14.8	2643.5	Aw	Thailand	South-East Asia
Maha Sarakham	28.9	1.7	73.8	9.2	-0.96	1026.4	146.2	367	16.38	2643.5	Aw	Thailand	South-East Asia
Mukdahan	27.7	2	78	10.6	0.61	1142	153.1	230	16.55	2643.5	Aw	Thailand	South-East Asia
Nan	27.5	1.7	75.5	11.5	-0.63	1095.3	223.3	408	18.78	2643.5	Aw	Thailand	South-East Asia
Nong Bua Lam Phu	28.5	1.9	72.4	10.6	0.66	890.1	238.9	400	17.19	2643.5	Aw	Thailand	South-East Asia
Nakhon Ratchasima	29	1.6	69.6	8.2	-0.75	648.4	199.8	205	14.97	2643.5	Aw	Thailand	South-East Asia
Nakhon Sawan	30.5	1.8	67.2	10.2	-0.81	744	29.9	237	15.99	2643.5	Aw	Thailand	South-East Asia
Nakhon Phanom	26.7	1.8	82.2	10.2	0.49	1779.7	147.5	160	17.41	2643.5	Aw	Thailand	South-East Asia
Nakhon Pathom	29.7	1.6	69.5	7.7	-0.61	551.8	5.2	44	13.93	2643.5	Aw	Thailand	South-East Asia
Nakhon Si Thammarat	27.6	0.8	79.9	4	-0.71	987.8	8.1	10	8.42	2643.5	Am	Thailand	South-East Asia
Nong Khai	28.1	1.8	77.7	10.2	0.55	1488.8	168.8	330	17.88	2643.5	Aw	Thailand	South-East Asia
Nonthaburi	29.8	1.3	73.3	5.9	-0.78	651.3	6.1	33	13.86	2643.5	Aw	Thailand	South-East Asia
Narathiwat	27.1	0.9	83	4	-0.65	901.2	43.5	31	6.1	2643.5	Am	Thailand	South-East Asia
Phayao	27.8	1.7	71.8	11.1	-0.53	914.8	405	364	19.19	2643.5	Aw	Thailand	South-East Asia
Phetchabun	27.2	1.4	80.2	8.4	-0.72	1532.5	206	302	16.25	2643.5	Aw	Thailand	South-East Asia
Phetchaburi	29	1	72.5	4.9	0.69	427.9	5.6	16	13.11	2643.5	Aw	Thailand	South-East Asia
Phichit	29.8	1.7	72.4	10.9	-0.79	1151.1	39	274	16.44	2643.5	Aw	Thailand	South-East Asia
Phrae	27.3	1.7	77.4	11.6	-0.69	1239.2	166.1	303	18.15	2643.5	Aw	Thailand	South-East Asia
Phitsanulok	29.6	1.8	75.7	9.9	-0.91	1407	44.7	275	16.82	2643.5	Aw	Thailand	South-East Asia
Prachin Buri	28.7	1.3	78.5	7	-0.78	1056.3	3.5	60	14.03	2643.5	Aw	Thailand	South-East Asia
Prachuap Khiri Khan	26.8	0.9	82.7	4	-0.72	747.8	11.3	1	11.82	2643.5	Aw	Thailand	South-East Asia
Pathum Thani	29.5	1.4	75	6.8	-0.86	961.7	4.6	44	14.02	2643.5	Aw	Thailand	South-East Asia
Pattani	28.1	1.1	77.9	6.2	-0.77	824	2.3	0	6.87	2643.5	Am	Thailand	South-East Asia
Roi Et	28.7	1.7	75.4	9	-0.85	1135.5	152	350	18.05	2643.5	Aw	Thailand	South-East Asia
Ratchaburi	29.2	1.4	73.3	7.1	-0.86	781.5	14	23	13.53	2643.5	Aw	Thailand	South-East Asia
Rayong	28.1	0.9	81.6	4.2	-0.65	1051.3	9.7	5	12.68	2643.5	Aw	Thailand	South-East Asia
Sa Kaeo	28.2	1.3	79.4	7.6	0.82	985.2	48.2	124	13.8	2643.5	Aw	Thailand	South-East Asia
Sukhothai	30.1	3	68.6	12.8	-0.82	974.6	50.8	225	17.01	2643.5	Aw	Thailand	South-East Asia
Sakon Nakhon	27.8	1.9	76.8	10	-0.55	1800.6	171.7	231	17.15	2643.5	Aw	Thailand	South-East Asia
Samut Prakan	29	1	75.3	4.6	-0.62	614.3	0.4	0	13.44	2643.5	Aw	Thailand	South-East Asia
Samut Sakhon	29	1	75.3	4.6	-0.62	614.3	4.1	0	13.55	2643.5	Aw	Thailand	South-East Asia
Songkhla	28.1	0.7	80.7	3.4	-0.66	632	5.9	0	7.21	2643.5	Am	Thailand	South-East Asia
Suphanburi	30.2	1.7	68	8.7	-0.83	650	7.8	108	14.47	2643.5	Aw	Thailand	South-East Asia
Saraburi	28.5	1.6	76.3	7.7	-0.82	877.2	15.5	104	14.53	2643.5	Aw	Thailand	South-East Asia
Surat Thani	28.3	1	78.1	5.1	-0.8	627.4	16.7	12	9.13	2643.5	Am	Thailand	South-East Asia

Si Sa Ket	29.1	1.8	71.4	10	-0.76	812.6	127.1	360	15.11	2643.5	Aw	Thailand	South East Asia
Surin	29.1	1.8	71.2	9.7	-0.76	807.5	146	301	14.88	2643.5	Aw	Thailand	South-East Asia
Tak	29.2	2.3	64.1	12.7	-0.55	527.4	122.2	150	16.88	2643.5	Aw	Thailand	South-East Asia
Trang	27.5	1	83.1	6.2	0.85	1174.1	19.7	21	7.56	2643.5	Am	Thailand	South-East Asia
Ubon Ratchathani	28	1.6	80.2	8.3	-0.88	1472.5	132.6	275	15.23	2643.5	Aw	Thailand	South-East Asia
Udon Thani	28.4	1.9	74.5	10.7	-0.59	1158	180.3	353	17.42	2643.5	Aw	Thailand	South-East Asia
Uttaradit	28.5	1.8	74.9	12.8	-0.78	1176	79.1	276	17.63	2643.5	Aw	Thailand	South-East Asia
Yala	26.7	1.1	78.5	6.4	-0.82	700.9	156.1	50	6.37	2643.5	Am	Thailand	South-East Asia
Yasothon	28.7	1.8	73.3	10.3	0.69	976.7	130.6	325	15.8	2643.5	Aw	Thailand	South-East Asia
Accrington/Rossendale	10.8	4.4	81.2	7.2	-0.04	372.3	276.3	35	53.71	344.19	Cfb	UK	North Europe
Bedford	12.7	4.8	75.5	7.8	-0.26	354	34.3	87	52.14	344.19	Cfb	UK	North Europe
Blackburn	11.4	4.3	80	7	0.01	372.3	216.6	28	53.75	344.19	Cfb	UK	North Europe
Blackpool	11.8	4	79.8	6.4	0.11	372.3	7.8	0	53.82	344.19	Cfb	UK	North Europe
Brighton and Hove	12.4	3.8	82.4	7	0.2	327.5	0.7	0	50.83	344.19	Cfb	UK	North Europe
Barnsley/Donnerdale Valley	7.6	4.6	80.9	8.1	-0.35	333.8	90.7	49	53.55	344.19	Cfb	UK	North Europe
Birkenhead	12	4.1	79.3	6.1	0.07	367	30.9	0	53.39	344.19	Cfb	UK	North Europe
Burnley	10.8	4.4	81.2	7.2	0.04	372.3	211.3	43	53.8	344.19	Cfb	UK	North Europe
Bournemouth/Poole	12.9	4.2	78.9	7.8	-0.04	377.5	15.7	0	50.77	344.19	Cfb	UK	North Europe
Bristol	12.6	4.4	78.5	7.5	-0.09	345.5	53.7	7	51.46	344.19	Cfb	UK	North Europe
Burton upon Trent	12	4.6	77.3	7.4	-0.16	358.3	66.9	96	52.81	344.19	Cfb	UK	North Europe
Buxton	14.9	3.7	77.9	7.4	-0.2	331.9	23.7	8	51.57	344.19	Cfb	UK	North Europe
Basingstoke	14.4	3.3	78.1	8.3	-0.23	380.2	191	98	51.26	344.19	Cfb	UK	North Europe
Chesham	14.7	3.3	77.7	7.5	-0.22	337.5	49.1	13	51.74	344.19	Cfb	UK	North Europe
Cheltenham	14	3.3	77.9	7.7	-0.22	363.7	179.6	21	51.9	344.19	Cfb	UK	North Europe
Chesterfield	12.9	3.3	80.1	7.5	-0.21	390.5	161.6	67	53.24	344.19	Cfb	UK	North Europe
Colchester	14.5	3.1	78.5	6.7	-0.11	373.3	31.1	7	51.89	344.19	Cfb	UK	North Europe
Cambridge	14.5	3.5	76.3	8	-0.31	360	15.1	65	52.2	344.19	Cfb	UK	North Europe
Cardiff	14	2.8	80.1	7.4	0	349.5	28.9	4	51.48	344.19	Cfb	UK	North Europe
Crawley	14.5	3.1	78.7	8	-0.14	365.9	79.6	30	51.11	344.19	Cfb	UK	North Europe
Coventry	13.9	3.3	77.7	7.7	-0.25	361.3	86.4	88	52.41	344.19	Cfb	UK	North Europe
Doncaster	13.6	3.3	77.6	7.6	-0.25	378.9	27.9	30	53.52	344.19	Cfb	UK	North Europe
Derby	13.5	3.3	78.6	7.5	-0.23	363.1	49.8	96	52.93	344.19	Cfb	UK	North Europe
Eastbourne	14.6	2.4	82.1	6.8	0.23	400.8	2.6	2	50.77	344.19	Cfb	UK	North Europe
Exeter	13.8	2.9	82.5	6.9	-0.05	408.4	57	7	50.77	344.19	Cfb	UK	North Europe
Farnborough/Aldershot	14.5	3.3	77.9	8.3	-0.23	380.2	79.4	51	51.29	344.19	Cfb	UK	North Europe
Gloucester	14.1	3.2	78.7	7.6	-0.18	356.8	29.5	15	51.87	344.19	Cfb	UK	North Europe

Grimsby	13.9	3.2	78	7.6	-0.21	378.9	7.1	0	53.57	34419	Cfb	UK	North Europe
High Wycombe	14.3	3.4	77.7	8.2	-0.26	356.8	121.1	67	51.63	34419	Cfb	UK	North Europe
Hastings	14.6	2.4	82.1	6.8	0.23	395.2	0	4	50.85	34419	Cfb	UK	North Europe
Ipswich	14.7	3	79	6.5	0	366.1	26.9	8	52.06	34419	Cfb	UK	North Europe
Kingston upon Hull	13.6	3	79.2	6.8	-0.12	405.3	5.4	1	53.75	34419	Cfb	UK	North Europe
Leicester	13.9	3.4	77.2	7.7	-0.25	365.9	74.6	80	52.64	34419	Cfb	UK	North Europe
Lincoln	14	3.4	77	7.7	-0.28	390.5	33.8	46	53.23	34419	Cfb	UK	North Europe
London	14.6	3.3	77.6	8	-0.22	349.5	37.3	25	51.51	34419	Cfb	UK	North Europe
Luton	14.3	3.4	77	8.2	-0.29	363.7	149.5	66	51.88	34419	Cfb	UK	North Europe
Liverpool	13.8	2.7	79.6	5.8	0.14	378.9	22.2	0	53.41	34419	Cfb	UK	North Europe
Maidstone	14.6	3.3	78.6	7.8	-0.23	374.8	52	11	51.27	34419	Cfb	UK	North Europe
Medway Towns	14.5	3.3	78.5	7.9	-0.22	378	27.6	17	51.27	34419	Cfb	UK	North Europe
Millon Keynes	14.2	3.4	77.3	8.1	-0.29	363.7	89.7	93	52.04	34419	Cfb	UK	North Europe
Manchester	13	3.2	80.9	7.2	-0.14	378.9	54.2	36	53.48	34419	Cfb	UK	North Europe
Manfield	13.5	3.3	78	7.6	-0.24	390.5	143.2	68	53.13	34419	Cfb	UK	North Europe
Northampton	14	3.4	77.3	8	-0.29	360	86.3	89	52.25	34419	Cfb	UK	North Europe
Norwich	14.2	3.1	78.8	7.1	0.11	384.3	24.5	29	52.63	34419	Cfb	UK	North Europe
Nottingham	13.8	3.5	77.5	7.6	-0.26	363.1	56.1	74	52.95	34419	Cfb	UK	North Europe
Newport	14.4	3	78.9	7.5	-0.09	349.5	3.9	2	51.59	34419	Cfb	UK	North Europe
Oxford	14.2	3.3	77.9	8	-0.25	356.8	86.2	73	51.73	34419	Cfb	UK	North Europe
Paignton/Torquay	14.2	2.4	82	6.4	0.19	392.3	54.4	0	50.44	34419	Cfb	UK	North Europe
Plymouth	14.3	2.2	82.8	6.6	0.33	380	29.9	6	50.37	34419	Cfb	UK	North Europe
Preston	13.5	2.9	80.1	6.6	0.04	405.3	31.7	11	53.77	34419	Cfb	UK	North Europe
Peterborough	14.5	3.4	76.1	7.9	-0.29	363.3	4.2	35	52.57	34419	Cfb	UK	North Europe
Reading	14.3	3.3	77.7	8.2	-0.25	349.5	37.1	72	51.46	34419	Cfb	UK	North Europe
Sheffield	13	3.3	79.6	7.4	-0.21	378.9	117.6	58	53.38	34419	Cfb	UK	North Europe
Slough	14.5	3.3	77.5	8.1	-0.22	349.5	47.6	59	51.51	34419	Cfb	UK	North Europe
Sunderland	13.4	3.1	77.5	7.7	0.14	359.4	49.7	2	54.91	34419	Cfb	UK	North Europe
South Hampshire	14.9	2.6	79.5	6.9	0.11	406.4	2.1	0	50.84	34419	Cfb	UK	North Europe
Southend-on-Sea	14.8	2.9	79	6.3	-0.01	379.2	31.2	0	51.54	34419	Cfb	UK	North Europe
Stoke-on-Trent	13.4	3.2	79.2	7.3	-0.17	363.1	136.7	51	53	34419	Cfb	UK	North Europe
Swindon	14	3.3	78.8	8.1	-0.22	349.5	177.6	44	51.57	34419	Cfb	UK	North Europe
Swansea	14.1	2.4	81.2	6.9	0.23	349.5	51.9	0	51.62	34419	Cfb	UK	North Europe
Thanet	14.8	2.6	80.7	6.3	0.17	387.8	7.8	0	51.36	34419	Cfb	UK	North Europe
Telford	13.7	3.2	78.5	7.2	-0.18	365.9	125.4	72	52.60	34419	Cfb	UK	North Europe
Teesside	12.9	2.9	79.4	6.6	-0.07	343.3	39.8	1	54.39	34419	Cfb	UK	North Europe

Tyneside	13.4	3.1	77.5	7.7	-0.14	359.4	27.1	4	54.99	34419	Cfb	UK	North Europe
Wigan	13.8	3	79.2	6.7	-0.04	378.9	59.6	17	53.55	34419	Cfb	UK	North Europe
Worcester	14.1	3.3	77.5	7.0	-0.21	360	26.0	45	52.19	34419	Cfb	UK	North Europe
Warrington	13.5	3.1	79.8	6.9	0.08	378.9	36.9	7	53.39	34419	Cfb	UK	North Europe
West Midlands	13.9	3.3	77.7	7.7	-0.22	361.3	128.6	83	52.49	34419	Cfb	UK	North Europe
West Yorkshire	13.3	3.2	78.8	7.1	-0.17	405.3	63.8	48	53.8	34419	Cfb	UK	North Europe
York	13.4	3.3	78.2	7.2	-0.22	386.5	34.4	39	53.96	34419	Cfb	UK	North Europe
Montevideo	12.9	2.6	80.3	9.3	0.33	434.2	32.0	2	-34.9	15140	Cfa	Uruguay	South America
Augusta	24.1	4.2	69.6	10.8	0.07	76.6	48.5	155	33.47	30068.231	Cfa	USA	North America
Akron	18.3	5.4	71.2	9.6	0.04	239	331.6	447	41.03	30068.231	Dfb	USA	North America
Albany	17.6	5.3	71.8	10.3	0.09	783.7	84.9	171	42.65	30068.231	Dfb	USA	North America
Albuquerque	19.4	4.8	42.8	17.3	-0.32	108.9	1567.4	745	35.08	30068.231	Bsk	USA	North America
Allentown	19.5	5.3	68.6	11.8	0	377.9	178	88	40.57	30068.231	Dfa	USA	North America
Anaheim	20.2	2.4	72.5	7.2	-0.34	79.9	50.7	18	33.84	30068.231	Csa	USA	North America
Ann Arbor	17.8	5.6	71	9.8	0.03	531	267.4	680	42.28	30068.231	Dfa	USA	North America
Austin	26.1	3.9	66.7	13.3	-0.37	9.7	176.2	201	30.28	30068.231	Cfa	USA	North America
Atlantic City	20	4.2	77.9	10.2	0.29	221.8	0.7	0	39.35	30068.231	Cfa	USA	North America
Atlanta	22.8	4.5	71.3	10.4	-0.03	79.9	290.3	362	33.75	30068.231	Cfa	USA	North America
Buffalo	1.1	6.2	73.9	9.5	0.09	784.7	180.0	439	42.88	30068.231	Dfb	USA	North America
Bakersfield	24.5	4.7	38.9	13	-0.6	89.3	206.8	117	35.43	30068.231	Bsh	USA	North America
boulder	14	5.4	60.2	12.7	-0.38	198.9	1706.6	1204	40.02	30068.231	Bsk	USA	North America
Baltimore	20.9	4.8	71.4	10.4	0.14	223.8	35.4	2	39.28	30068.231	Cfa	USA	North America
Bangor	15.4	5.1	74	11.7	-0.01	571.8	37.2	15	44.8	30068.231	Dfb	USA	North America
Boise	19.4	6.2	70	13.5	-0.71	455.4	857.9	634	43.62	30068.231	Csb	USA	North America
Bergen	19	5.2	69.7	12.3	0.03	239	74.1	24	40.88	30068.231	Cfa	USA	North America
Burlington	18	5.3	70.2	12.2	-0.05	502.3	63.8	18	42.51	30068.231	Dfb	USA	North America
Birmingham	23.3	6.2	72.8	9.7	0.04	76.6	197.5	321	33.51	30068.231	Cfa	USA	North America
Barnstable	16.5	4	82.4	9.7	0.29	271.7	4.1	1	41.67	30068.231	Cfa	USA	North America
Brownsville	27.6	2.4	75.5	6	-0.28	3.2	11.6	25	25.90	30068.231	Cfa	USA	North America
Boston	17.7	4.9	73.6	11.2	0.03	531	12.7	4	42.35	30068.231	Dfa	USA	North America
Baton Rouge	25.1	3.4	76.6	9.2	0.02	11	24.5	73	30.54	30068.231	Cfa	USA	North America
Cedar Rapids	18.7	5.8	71	9.9	0.21	319.2	242.2	1280	41.98	30068.231	Dfa	USA	North America
Chicago	19.3	5.5	73.5	9	0.05	271.7	180.9	950	41.87	30068.231	Dfa	USA	North America
Charlotte	22.7	4.8	69.4	11.7	-0.1	91.7	223.2	243	35.23	30068.231	Cfa	USA	North America
Charleston SC	24.4	3.5	79.5	7.2	0.18	54.3	4.2	0	32.78	30068.231	Cfa	USA	North America
Chattanooga	22.1	4.4	74.3	9.1	0.05	108.9	222.2	497	35.07	30068.231	Cfa	USA	North America

Charleston WV	19.9	4.8	75.1	9.3	0.19	162.3	283.6	370	38.38	30068.231	Cfa	USA	North America
Columbus	19.4	5.3	69.7	9.4	0.13	198.9	238.7	516	39.97	30068.231	Cfa	USA	North America
Colorado Springs	15.4	5.5	54.5	15	-0.37	242.9	1815.1	1132	38.83	30068.231	BSh	USA	North America
Cleveland	18.7	5.3	73.4	8.5	0.04	212.5	208.6	493	41.48	30068.231	Dfa	USA	North America
Cincinnati	20.5	5.2	70.4	9.8	0.1	268.9	196.5	625	39.1	30068.231	Cfa	USA	North America
Canton	18.3	5.4	71.2	9.6	0.04	239	345.4	434	40.92	30068.231	Dfa	USA	North America
Columbia	23.8	4.2	71.2	10.7	-0.05	81.9	55.2	167	34	30068.231	Cfa	USA	North America
Carlisle	19.3	5.2	69.5	10.9	0.03	300.5	148.8	113	40.2	30068.231	Cfa	USA	North America
Corpus Christ	27	2.7	76.1	7	-0.17	6	3.9	0	27.8	30068.231	Cfa	USA	North America
Deals	18.5	6.2	50.8	12.2	-0.68	239	1330	943	41.06	30068.231	Dfb	USA	North America
Dallas	25.8	6.7	64.6	11.2	-0.39	34.3	148.6	382	32.77	30068.231	Cfa	USA	North America
Denver	16.8	5.7	53.3	14	-0.46	218.3	1630.4	1203	39.75	30068.231	BSh	USA	North America
Dover	20.8	5.4	68.3	11.6	0.2	173.4	12.7	8	39.16	30068.231	Cfa	USA	North America
Durham	22.3	4.6	72	10.9	0.02	83.6	111.9	181	35.99	30068.231	Cfa	USA	North America
Des Moines	19.5	5.9	69.9	9.9	0.13	212.5	266.6	1281	41.58	30068.231	Dfa	USA	North America
Detroit	16.7	5.5	71.2	9	0.03	531	183.3	640	42.33	30068.231	Dfa	USA	North America
Davenport	19.3	5.7	70.2	9.7	0.13	212.5	198.2	1179	41.52	30068.231	Dfa	USA	North America
Daytona Beach	25.9	2	77.2	7.5	0.06	6.5	9	2	29.18	30068.231	Cfa	USA	North America
Dayton	19.6	5.3	70.1	9.5	0.13	218.3	252	610	39.77	30068.231	Cfa	USA	North America
El Centro	30.6	4.6	31.1	11	-0.07	34.3	-11.8	118	32.79	30068.231	BWh	USA	North America
Elkhart	18.3	5.6	72.3	9.8	0.05	271.7	242.6	818	41.68	30068.231	Dfa	USA	North America
El Paso	24.9	4.5	38.7	17.3	-0.4	25.5	1183.8	589	31.81	30068.231	BWk	USA	North America
Elizabeth	19.8	5.1	70.1	11.2	0.01	346.5	5.9	4	40.66	30068.231	Cfa	USA	North America
Erie	16.9	5.2	76.3	9.6	0.08	319.2	239.1	629	42.11	30068.231	Dfb	USA	North America
Essex	19.8	5.1	70.1	11.2	0.01	346.5	71.9	17	40.8	30068.231	Cfa	USA	North America
Eugene	15.9	4.1	68.6	11	-0.66	363.2	150.2	82	44.05	30068.231	Cyb	USA	North America
Evansville	21	5.2	68.1	9.6	0.12	121.3	115.1	802	37.97	30068.231	Cfa	USA	North America
Everett	13.8	3	77.8	6.9	0.49	330	53.2	2	47.98	30068.231	Csb	USA	North America
Fargo	16.3	6.4	67	11.1	-0.07	332.3	274.6	1147	46.88	30068.231	Dfb	USA	North America
Flint	17.5	5.7	79	10.1	-0.04	974.2	240.8	723	42.97	30068.231	Dfb	USA	North America
Fresno	24	4.4	43.7	9.2	-0.59	85.8	89.3	170	36.73	30068.231	BSh	USA	North America
Fort Lauderdale	26.8	1.2	79.2	5.5	-0.08	1.2	6.6	0	26.1	30068.231	Am	USA	North America
Fort Myers	26.7	1.8	74.6	8.5	-0.16	3.9	4.9	1	26.66	30068.231	Cfa	USA	North America
Fort Penco	26.5	1.5	77.5	6.7	0.03	5.8	1.9	0	27.47	30068.231	Cfa	USA	North America
Fort Worth	25.7	6.7	63.3	11.6	-0.4	34.3	198.3	406	32.76	30068.231	Cfa	USA	North America
Ft Wayne	18.7	5.3	71	9.9	0.12	168.9	244	803	41.14	30068.231	Dfa	USA	North America

Fayetteville	23.3	4.5	71.1	10.8	0.01	108.9	38.2	139	35.05	30068.231	Cfa	USA	North America
Gary	18.6	6.2	70.4	10.1	0.09	213.3	180.7	923	41.62	30068.231	Dfa	USA	North America
Green Bay	16.8	5.8	70.4	10.2	-0.01	379.5	213.1	932	44.51	30068.231	Dfb	USA	North America
Greensburg	18	5.1	74.1	9.7	0.12	300.5	346.5	266	40.3	30068.231	Cfa	USA	North America
Grand Haven	17.7	5.3	76.3	8.4	0.15	974.2	185.2	901	43.06	30068.231	Dfb	USA	North America
Grand Rapids	17.6	5.5	71	10.1	0.07	974.2	230.3	860	42.97	30068.231	Dfb	USA	North America
Greensboro	21.8	4.7	71	11.4	-0.05	83.6	272.5	271	36.1	30068.231	Cfa	USA	North America
Greenville	22.3	4.4	71.8	10.4	-0.04	152	280.9	293	34.83	30068.231	Cfa	USA	North America
Gainesville	25	2.7	77.4	8.2	0.02	8.2	30.2	76	29.65	30068.231	Cfa	USA	North America
Hickory	21.4	4.6	72.5	10.4	-0.02	82	308.7	314	35.74	30068.231	Cfa	USA	North America
Honolulu	24.9	0.8	77.4	3.8	0.11	11.1	140.8	0	21.3	30068.231	As	USA	North America
Harrisburg	19.7	5.2	68.9	10.9	0.01	300.5	119	107	40.27	30068.231	Cfa	USA	North America
Hartford	18.4	5.4	70.3	11.9	-0.01	271.7	19.6	58	41.77	30068.231	Dfa	USA	North America
Houston	25.9	3.3	75.7	8.3	-0.11	8.2	20.2	40	29.77	30068.231	Cfa	USA	North America
Indianapolis	19.9	5.4	70.1	9.6	0.12	218.3	230.4	780	39.77	30068.231	Cfa	USA	North America
Jacksonville	25.2	2.9	76.9	7.9	-0.06	9.7	8	28	30.33	30068.231	Cfa	USA	North America
Jersey City	19.7	5.6	70.3	11	0.11	352.7	15.4	0	40.7	30068.231	Cfa	USA	North America
Kalamazoo	17.7	5.6	73.3	10.1	0.02	531	253.4	815	42.29	30068.231	Dfa	USA	North America
Kenosha	17.9	5.8	75.5	10	-0.04	502.3	178.5	993	42.59	30068.231	Dfb	USA	North America
Kansas	21.5	5.7	68.9	9.9	-0.07	268.9	250.8	1012	39.12	30068.231	Cfa	USA	North America
Knoxville	21.3	4.5	73.7	8.7	0.01	83.6	284.3	480	35.96	30068.231	Cfa	USA	North America
Lafayette IN	19.5	5.4	69.7	10.2	0.2	377.9	198.6	849	40.42	30068.231	Dfa	USA	North America
Lafayette LA	25.4	3.4	75.5	9.2	0.03	6.7	12.4	40	30.22	30068.231	Cfa	USA	North America
Lake Charles	25.4	3.4	77.1	8.8	0.05	9.7	9	65	30.23	30068.231	Cfa	USA	North America
Lakeland	26.1	2.1	74.8	8.2	-0.07	6.1	56	41	27.98	30068.231	Cfa	USA	North America
Lancaster	20.1	5.2	68.5	11.3	0.06	198.9	113.2	49	40.04	30068.231	Cfa	USA	North America
Lansing	17.6	5.6	69.7	10.3	0	783.7	264.6	759	42.73	30068.231	Dfb	USA	North America
Louisville	21.1	5.1	71.5	9.8	0.09	116.5	152.5	738	38.25	30068.231	Cfa	USA	North America
LaPorte	18.8	5.6	71.4	10.3	0.04	212.5	240.3	868	41.61	30068.231	Dfa	USA	North America
Los Angeles	19.8	3.1	65.8	11.6	-0.34	85.9	87.1	5	34.02	30068.231	Csb	USA	North America
Las Vegas	25.3	5.5	23.7	12.7	-0.35	81.8	680.6	378	36.21	30068.231	BWk	USA	North America
Little Rock	24	4.9	68.9	10.5	-0.11	152	78.3	527	34.75	30068.231	Cfa	USA	North America
Macon	24.1	4	70.7	10.5	-0.06	34.3	99.1	249	32.84	30068.231	Cfa	USA	North America
McAllen	28.4	2.8	68.9	7.6	-0.45	3.9	38.1	87	26.18	30068.231	BSb	USA	North America
Middles	19.8	5.3	69.1	12	0	377.9	78.1	36	40.62	30068.231	Cfa	USA	North America
Middletown	17.9	5.3	71.2	11.5	0.06	212.5	167.9	75	41.45	30068.231	Dfa	USA	North America

Medford	16.3	4.9	59.4	12.5	-0.66	331	496.8	114	42.33	30068.231	Csb	USA	North America
Madison IL	17.7	5.8	69.8	10.3	0.08	974.2	266.4	1124	43.07	30068.231	Dfb	USA	North America
Modesto	22	3.6	50.5	10	-0.56	108.8	28.9	91	37.64	30068.231	Csa	USA	North America
Madison WI	17.7	5.8	69.8	10.3	0.08	974.2	266.4	1124	43.08	30068.231	Dfb	USA	North America
Miami	26.9	1.3	77.8	5.6	-0.09	3.4	8.8	1	25.77	30068.231	Am	USA	North America
Melbourne	26.2	1.8	77.5	6.8	0.02	6.1	6	0	28.1	30068.231	Cfa	USA	North America
Milwaukee	17.6	5.6	71.4	9.6	0.11	974.2	224.5	1019	43.07	30068.231	Dfb	USA	North America
Memphis	23.5	4.7	70.7	9.9	0.04	108.9	92.7	514	35.06	30068.231	Cfa	USA	North America
Worcester	20.6	5	70	11.1	0.02	198.9	35.1	4	39.95	30068.231	Cfa	USA	North America
Minneapolis	17.5	6.1	68.5	10.4	0.03	375.5	261.1	1170	44.98	30068.231	Dfa	USA	North America
Montgomery	24.5	4	70.9	9.9	-0.04	41.7	72.8	209	32.36	30068.231	Cfa	USA	North America
Mobile	25	3.3	78.5	8.4	0.14	12.9	3.6	1	30.66	30068.231	Cfa	USA	North America
Monroe	25	4.3	69.9	9.7	-0.06	41.7	26.7	295	32.51	30068.231	Cfa	USA	North America
Mercer	17.4	5.2	75.2	9.7	0.11	168.9	370.6	371	41.22	30068.231	Dfb	USA	North America
Mariboro	21.6	4.9	70.8	10.6	0.04	242.9	23.9	20	38.82	30068.231	Cfa	USA	North America
Muskegon	17.5	5.3	74.9	9.3	0.11	763.6	193.8	906	43.23	30068.231	Dfb	USA	North America
Muncie	19.3	5.4	70	9.9	0.15	300.5	290.3	720	40.19	30068.231	Dfa	USA	North America
Myrtle Beach	23.8	3.7	78.1	8.4	0.22	79.4	2.2	2	33.68	30068.231	Cfa	USA	North America
Nashua	17.7	5.5	69	12.9	-0.1	783.7	80.3	52	42.78	30068.231	Dfb	USA	North America
Nassau	19.1	4.5	76.4	9.8	0.21	346.5	53.2	10	40.79	30068.231	Cfa	USA	North America
Niles	18.4	5.6	72.1	10.1	0.03	271.7	236.7	845	41.83	30068.231	Dfa	USA	North America
Norfolk	22.3	4.4	74.9	9	0.12	85.8	4.7	0	35.85	30068.231	Cfa	USA	North America
Nashville	22.4	4.9	71.8	9.5	0.02	81.8	170.8	611	36.17	30068.231	Cfa	USA	North America
Newburgh	18.4	5.2	71.5	11.3	0.05	212.5	86.5	85	41.5	30068.231	Dfa	USA	North America
New Haven	18.4	4.5	75.1	10.9	0.2	168.9	15.8	1	41.3	30068.231	Cfa	USA	North America
New London	17.7	4.2	78.3	10.7	0.27	168.9	45.8	0	41.55	30068.231	Cfb	USA	North America
New Orleans	25.8	2.9	77.6	7.7	0.04	8.7	3.8	4	29.95	30068.231	Cfa	USA	North America
Nowark	19.8	5.1	70.1	11.2	0.01	346.5	4.1	4	40.68	30068.231	Cfa	USA	North America
New York	20.1	5	71.7	10.1	0	346.5	15.4	0	40.7	30068.231	Cfa	USA	North America
Ocala	25.4	2.5	76.3	8.2	0	6.5	29.4	54	29.17	30068.231	Cfa	USA	North America
Oklahoma	23.8	5.5	63.6	11.7	-0.36	86.3	372	683	35.47	30068.231	Cfa	USA	North America
Oakland	16.9	2.7	71.1	8.6	-0.38	108.8	1.8	5	37.75	30068.231	Csb	USA	North America
Omaha	19.9	6	68.5	10.2	0.05	168.9	326.8	1268	41.27	30068.231	Dfa	USA	North America
Orlando	26	2.3	75.8	7.4	-0.04	5.4	31.4	49	28.55	30068.231	Cfa	USA	North America
Ottawa	19.3	5.6	69.7	10.1	0.18	168.9	187.6	1027	41.35	30068.231	Dfa	USA	North America
Philly	20.6	5.2	67.6	11.1	0.06	198.9	10.7	28	39.95	30068.231	Cfa	USA	North America

Phoenix	30.4	4.9	29	14.3	-0.21	76.6	339.4	265	33.45	30068.231	BWh	USA	North America
Palm Beach	26.7	1.5	78.4	6.2	-0.09	3.8	8.6	24	-26.65	30068.231	Af	USA	North America
Plymouth	18.1	5.6	70.2	10	0.01	531	226.1	673	42.37	30068.231	Dfa	USA	North America
Pensacola	25.1	3.3	77.3	9.2	0.14	11	1.7	0	30.42	30068.231	Cfa	USA	North America
Portland OR	16.3	4.1	67.8	11.1	-0.67	406.7	46.6	91	45.51	30068.231	Csb	USA	North America
Provo	17.3	6.3	46.7	14.5	-0.72	300.5	1665.1	914	40.23	30068.231	Dfb	USA	North America
Port Arthur	25.7	3.2	78.3	7.6	0	8.7	3.7	0	29.89	30068.231	Cfa	USA	North America
Portage	16.3	4.1	67.8	11.1	-0.67	406.7	51	91	45.51	30068.231	Csb	USA	North America
Portland ME	15.3	4.3	78.4	10	0.16	463.8	8	3	43.65	30068.231	Dfb	USA	North America
Providence	18.2	5.1	72.3	12.1	0.01	271.7	15.4	1	41.83	30068.231	Cfa	USA	North America
Pittsburg	18.4	5.2	73.7	9.8	0.12	377.9	282.6	305	40.43	30068.231	Cfa	USA	North America
Richmond	22	4.9	71.1	11	-0.02	93.6	48.6	44	37.34	30068.231	Cfa	USA	North America
Rochester	17.1	5.2	73.5	8.8	0.11	763.6	162.6	398	43.15	30068.231	Dfb	USA	North America
Rockville	21.1	5.2	67.4	12.1	-0.05	268.9	102.4	48	39.08	30068.231	Cfa	USA	North America
Reading	19.8	5.4	68.1	11.7	-0.02	300.5	67.7	81	40.37	30068.231	Cfa	USA	North America
Reno	16.8	5.7	39.5	14.2	-0.05	238.6	1399.8	267	39.51	30068.231	Csb	USA	North America
Raleigh	22.6	4.6	71.8	10.9	0.01	82	86.8	149	35.78	30068.231	Cfa	USA	North America
Riverside	21.9	4	57.8	11.9	-0.65	81.4	294.5	62	33.95	30068.231	Csa	USA	North America
Sacramento	21.5	3.5	53.1	11	-0.58	162.1	15	96	38.56	30068.231	Csa	USA	North America
Scranton	17.1	5.3	71.7	10.6	0.06	212.5	439	151	41.4	30068.231	Dfb	USA	North America
San Diego	19	2.1	78.9	6	0.13	54.3	91	11	32.80	30068.231	Bsk	USA	North America
San Francisco	14.9	1.6	80	7.3	-0.22	108.8	5.6	0	37.77	30068.231	Csb	USA	North America
Salt Lake	18.6	6.3	47.8	13.5	-0.71	346.5	1537.7	942	40.77	30068.231	Dfb	USA	North America
San Jose	17.9	3.6	60.9	12.1	-0.69	52	105.6	27	37.31	30068.231	Csb	USA	North America
Santa Barbara	19.1	3	57.2	11.7	0.4	119.9	8.4	0	34.42	30068.231	Csb	USA	North America
San Antonio	26.1	3.6	68	10.6	-0.34	7.6	210.3	194	29.45	30068.231	Cfa	USA	North America
Spokane	16.2	5.7	53.6	14.4	-0.67	351.9	720.7	367	47.68	30068.231	Csb	USA	North America
Springfield MA	17.9	5.3	70.3	11.7	0	531	75.6	98	42.2	30068.231	Dfb	USA	North America
Springfield MO	21.1	5.4	71.9	10.3	-0.08	62	401.1	800	37.19	30068.231	Cfa	USA	North America
Spartanburg	22.5	4.6	70.7	11.4	-0.1	108.9	232.6	294	34.95	30068.231	Cfa	USA	North America
Sarasota	26.5	1.9	75.7	8	-0.03	5.8	8.5	0	27.38	30068.231	Cfa	USA	North America
Saint Charles	21.4	5.6	69.2	10.3	-0.04	242.9	245.6	975	38.79	30068.231	Cfa	USA	North America
Stockton	21	3.3	54.5	9.9	-0.52	121.3	10	86	37.89	30068.231	Csa	USA	North America
Saint Clair	21.5	5.5	68.1	9.6	0.07	242.9	176.6	890	38.63	30068.231	Cfa	USA	North America
South bend	18.4	5.6	72.1	10.1	0.03	271.7	251.9	841	41.68	30068.231	Dfa	USA	North America
St. Louis	21.5	5.3	68.1	9.6	0.07	242.9	144	890	38.63	30068.231	Cfa	USA	North America

Stamford	19.6	5	72.3	10.7	0.02	239	88.5	10	41.07	30068.231	Cfa	USA	North America
St. Petersburg	26.4	1.8	78.3	6.3	0	6	7.4	0	27.77	30068.231	Cfa	USA	North America
State College	17.8	5.3	72	10.3	0.03	346.5	360.7	201	40.79	30068.231	Dfb	USA	North America
Seattle	15.6	3.5	74.8	7.7	-0.55	353.4	34.5	1	47.6	30068.231	Csb	USA	North America
Tacoma	15.8	3.4	74.8	7.6	-0.51	341	65.6	2	47.25	30068.231	Csb	USA	North America
Tampa	26.2	2.1	77.2	6.9	0.01	6.1	13.2	6	27.95	30068.231	Cfa	USA	North America
Tucson	27.3	4.2	34.2	15.9	-0.2	37.8	786	236	32.18	30068.231	BSh	USA	North America
Tallahassee	24.7	3.1	76.7	9.6	0.09	11	55.7	30	30.44	30068.231	Cfa	USA	North America
Toledo	18.6	5.5	70.6	9.4	0.03	271.7	194.9	645	41.73	30068.231	Dfa	USA	North America
Topeka	21.4	5.9	68.4	10.5	-0.13	268.9	287.2	1013	39.05	30068.231	Cfa	USA	North America
Trenton	20.3	5.2	68.4	11.7	0.04	300.5	19.6	54	40.22	30068.231	Cfa	USA	North America
Terra Haute	20.5	5.4	69.4	9.8	0.15	238.6	159.7	878	39.47	30068.231	Cfa	USA	North America
Tulsa	23.6	5.4	66.5	10.4	-0.24	81.8	191.4	714	36.2	30068.231	Cfa	USA	North America
Visalia	24.1	4.5	43.7	9.7	-0.61	81.8	102.4	173	36.33	30068.231	BSk	USA	North America
Vancouver	15.7	4.1	70.4	10.7	-0.65	394.5	42.6	89	45.63	30068.231	Csb	USA	North America
Ventura	18.8	2.3	75.2	7.4	-0.29	91.3	14.1	3	34.25	30068.231	Csb	USA	North America
Wichita	22.1	5.8	65.8	11.4	-0.24	108.8	414.4	908	37.68	30068.231	Cfa	USA	North America
weber	17.2	6.1	48.2	13.6	-0.65	168.9	1420.8	947	41.22	30068.231	Dfb	USA	North America
Wilmington	20.6	5.1	70	11.1	0.1	218.3	6.3	1	39.68	30068.231	Cfa	USA	North America
Winston	21.9	4.7	70.4	11.3	-0.06	83.6	277.7	288	36.1	30068.231	Cfa	USA	North America
Worcester	17.7	5.4	70	12.9	-0.06	531	278.7	67	42.27	30068.231	Dfb	USA	North America
WDC	21.2	5.2	68.1	11.3	-0.04	268.9	19.9	28	38.9	30068.231	Cfa	USA	North America
Washington	18.6	5.1	73.2	9.9	0.13	300.5	371.1	306	40.17	30068.231	Cfa	USA	North America
Youngstown	18	5.3	73.3	9.8	0.08	239	347.9	393	40.96	30068.231	Dfb	USA	North America
York	20.2	5.2	67.5	10.8	0.03	198.9	178.1	71	39.92	30068.231	Cfa	USA	North America
Ho Chi Minh City	27.6	1.1	84.6	4.2	-0.86	1549.4	5	25	10.75	1542.7	Aw	Vietnam	South-East Asia
Hue	27.9	1.7	81.6	6.1	-0.77	1635.3	14.7	3	16.47	1542.7	Am	Vietnam	South-East Asia

Table S7 The confusion matrix of the test set of the random forest algorithm (Sum of 500 implementations).

Real \ Predict	Humid Heat Cities	Dry Heat Cities
Humid Heat Cities	22598	11902
Dry Heat Cities	11505	21995

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