

## Annex 2

### Climate Projections for ARC3.2 Cities

Presented here are climate projections for the ARC3.2 cities. ARC3.2 Cities include Case Study Docking Station cities, UCCRN Regional Hub cities, UCCRN project cities, and cities of ARC3.2 Chapter Authors.

The projections are for three future timeslices (30-year periods for temperature and precipitation, 10-year periods for sea level rise) centered on the given decade (2020s, 2050s, 2080s).

For each city, the range presented for each variable is the low-estimate (10th percentile) to high-estimate (90th percentile) across 35 GCMs and two RCPs for temperature and precipitation projections (RCP4.5 and RCP8.5). Sea level rise projections are based on a four-component methodology that uses data from 24 GCMs and two RCPs (RCP4.5 and RCP8.5) and values are presented for only coastal cities<sup>1</sup>. Presented are the low-estimate (10th percentile) to high-estimate (90th percentile).

#### a. 2020s

City	Temperature (2020s)	Precipitation (2020s)	Sea Level Rise (2020s)
Aalborg	+0.5 to 2.1°C	-1 to +11%	
Abu Dhabi	+0.9 to 1.7°C	-25 to +33%	+4 to 19 cm
Accra	+0.7 to 1.1°C	-8 to +10%	+5 to 19 cm
Addis Ababa	+0.7 to 1.5°C	-7 to +10%	
Ahmedabad	+0.7 to 1.4°C	-6 to +37%	
Almada	+0.4 to 1.2°C	-14 to +1%	
Antofagasta	+0.6 to 1.3°C	-26 to +8%	+4 to 17 cm
Antwerp	+0.5 to 1.8°C	-2 to +8%	+4 to 22 cm
Athens	+0.8 to 1.7°C	-12 to +6%	+4 to 16 cm
Atlanta	+0.8 to 1.6°C	-2 to +9%	
Bangalore	+0.6 to 1.2°C	-7 to +13%	
Bangkok	+0.7 to 1.3°C	-8 to +6%	+4 to 17 cm
Bath	+0.6 to 2.1°C	-2 to +11%	
Berkeley	+0.8 to 1.5°C	-3 to +10%	
Berlin	+0.9 to 1.9°C	0 to +10%	
Bilbao	+0.8 to 1.9°C	-4 to +8%	
Bobo-Dioulasso	+0.6 to 1.1°C	-10 to +8%	
Boston	+0.5 to 1.8°C	-3 to +8%	+4 to 23 cm
Boulder	+0.3 to 1°C	-1 to +13%	
Brisbane	+0.8 to 1.8°C	-22 to +17%	+4 to 18 cm

<sup>1</sup> Horton, R., Bader, D.A., Kushner, Y., Little, C., Blake, R. and Rosenzweig, C. (2015). *New York City Panel on Climate Change 2015 Report: Climate observations and projections*. Ann. New York Acad. Sci., 1336, 18–35, doi:10.1111/nyas.12586.

Brussels	+0.9 to 2°C	-1 to +12%	
Buenos Aires	+0.7 to 1.1°C	-5 to +7%	+4 to 16 cm
Cairo	+0.7 to 1.2°C	-7 to +8%	
Calgary	+0.5 to 1°C	-12 to -1%	
Can Tho	+0.7 to 1.5°C	-14 to +12%	+3 to 17 cm
Canberra	+0.6 to 1.1°C	-4 to +11%	
Cape Town	+0.6 to 2°C	-2 to +13%	+5 to 17 cm
Chula Vista	+0.6 to 1.3°C	-5 to +9%	+3 to 18 cm
Colombo	+0.5 to 1.2°C	-4 to +9%	+4 to 19 cm
Copenhagen	+0.6 to 1.1°C	-22 to +14%	+4 to 22 cm
Cubatão	+0.6 to 1.1°C	-11 to +9%	+5 to 18 cm
Curitiba	+0.5 to 1.5°C	-9 to +25%	
Dakar	+0.8 to 1.9°C	-4 to +7%	+5 to 17 cm
Dar es Salaam	+0.5 to 1.3°C	-4 to +16%	+5 to 19 cm
Delhi	+0.2 to 1.4°C	-2 to +8%	
Denver	+0.6 to 1.2°C	-5 to +6%	
Dhaka	+0.7 to 1.7°C	-17 to +28%	+3 to 19 cm
Dublin	+0.6 to 1.2°C	-4 to +9%	+4 to 21 cm
Durban	+0.7 to 1.9°C	-5 to +6%	+4 to 18 cm
Enschede	+0.3 to 1.5°C	-1 to +6%	
Faisalabad	+0.6 to 1.1°C	-11 to +6%	
Fort Lauderdale	+0.5 to 1.6°C	-14 to +27%	+5 to 20 cm
Geneva	+0.9 to 2.5°C	1 to +11%	
Genoa	+0.6 to 1.1°C	-7 to +7%	+4 to 16 cm
Glasgow	+0.6 to 1.3°C	-5 to +16%	
Gold Coast	+0.8 to 2°C	-7 to +7%	+4 to 18 cm
Gorakhpur	+0.7 to 1.2°C	-9 to +7%	
Gothenburg	+0.6 to 2°C	-2 to +10%	+5 to 22 cm
Gunnison	+0.8 to 1.8°C	-18 to +1%	
Hayama	+0.8 to 1.6°C	-8 to +4%	+3 to 19 cm
Helsinki	+0.5 to 1.4°C	-8 to +18%	+4 to 25 cm
Hoboken	+0.6 to 1.4°C	-6 to +12%	
Hong Kong	+1 to 1.9°C	-10 to +12%	+5 to 18 cm
Hyderabad	+0.5 to 1.3°C	-6 to +15%	

Indore	+0.7 to 1.2°C	-11 to +13%	
Istanbul	+0.6 to 1.1°C	-4 to +9%	+4 to 16 cm
Jakarta	+0.5 to 1.9°C	-2 to +8%	+4 to 17 cm
Jena	+0.8 to 1.4°C	-6 to +19%	
Jerusalem	+0.4 to 1.6°C	-3 to +6%	
Johannesburg	+0.7 to 1.5°C	-12 to +13%	
Kampala	+0.6 to 1°C	-8 to +5%	
Kassel	+0.4 to 1.6°C	-2 to +8%	
Kathmandu	+0.6 to 1.1°C	-6 to +8%	
Kedarnath	+0.7 to 1.2°C	-10 to +8%	
Khulna	+0.6 to 1°C	-2 to +11%	+3 to 19 cm
Kingston	+0.7 to 1.3°C	-2 to +10%	+4 to 19 cm
Kunshan	+0.7 to 1.8°C	-15 to +5%	+3 to 19 cm
La Ceiba	+0.6 to 1.1°C	-9 to +4%	+5 to 18 cm
Lagos	+0.8 to 1.5°C	-9 to +6%	+5 to 19 cm
Leipzig	+0.6 to 1.2°C	-4 to +9%	
Leusden	+0.5 to 2°C	-2 to +10%	
Leuven	+1.1 to 2.6°C	0 to +14%	
Lima	+0.8 to 1.6°C	-21 to +32%	+4 to 17 cm
Lismore	+0.6 to 1.1°C	-9 to +5%	
London	+0.7 to 1.2°C	-5 to +26%	+5 to 22 cm
Los Angeles	+0.7 to 1.4°C	-6 to +25%	+4 to 18 cm
Makassar	+0.7 to 1.7°C	-10 to +4%	+4 to 17 cm
Manchester	+0.7 to 1.7°C	-3 to +11%	
Manila	+0.9 to 1.8°C	-1 to +10%	+3 to 19 cm
Maputo	+0.9 to 1.8°C	0 to +11%	+5 to 19 cm
Masdar	+0.7 to 1.7°C	-3 to +9%	+4 to 19 cm
Matara	+0.6 to 1.1°C	-10 to +8%	+4 to 19 cm
Medellín	+0.5 to 1.8°C	-4 to +5%	
Ebro Delta (Mediterranean Spain)	+0.9 to 1.9°C	-16 to +15%	+4 to 17 cm
Melbourne	+0.9 to 1.8°C	0 to +12%	+4 to 17 cm
Mexico City	+0.6 to 1.1°C	-11 to +9%	
Miami	+0.8 to 1.3°C	-4 to +11%	+5 to 20 cm

Middelfart	+0.7 to 1.8°C	-18 to +18%	+4 to 22 cm
Montreal	+0.5 to 1.1°C	-10 to +7%	
Moscow	+0.7 to 1.9°C	-9 to +5%	
Multan	+0.4 to 1.7°C	-1 to +9%	
Mumbai	+0.6 to 1.3°C	-8 to +12%	+4 to 19 cm
Nairobi	+0.4 to 1.1°C	-3 to +11%	
Nanjing	+0.5 to 1.3°C	-20 to +5%	
Naples	+0.7 to 1.2°C	-15 to +6%	+4 to 17 cm
New Brunswick	+0.6 to 1.3°C	-5 to +8%	
Newcastle upon Tyne	+0.8 to 2°C	-4 to +7%	
New Songdo City	+0.7 to 1.2°C	-10 to +5%	+3 to 20 cm
New York	+0.7 to 1.7°C	-3 to +11%	+4 to 23 cm
Newark, DE	+0.7 to 1.6°C	-5 to +7%	
Norfolk, VA	+0.6 to 1.3°C	-9 to +7%	+4 to 24 cm
Nova Friburgo	+0.9 to 1.9°C	-9 to +13%	
Ottawa	+0.6 to 1.1°C	-5 to +5%	
Oujda	+0.5 to 1.5°C	-15 to +1%	
Paris	+0.9 to 1.9°C	0 to +10%	
Paveh	+0.9 to 1.9°C	-2 to +8%	
Peshawar	+0.7 to 1.3°C	-5 to +38%	
Philadelphia	+0.7 to 1.2°C	-7 to +8%	
Phitsanulok	+0.6 to 1°C	-3 to +10%	
Portmore	+0.7 to 1.2°C	-9 to +7%	+4 to 19 cm
Quito	+1 to 1.8°C	-8 to +9%	
Rawalpindi	+0.7 to 1.4°C	-5 to +5%	
Rio de Janeiro	+1 to 2.2°C	-1 to +9%	+4 to 18 cm
Rome	+0.7 to 1.2°C	-16 to +10%	
Rotterdam	+0.8 to 1.8°C	-13 to +8%	+4 to 22 cm
San Diego	+0.7 to 2.1°C	-7 to +7%	+4 to 18 cm
San Francisco	+0.8 to 2.2°C	-5 to +9%	+4 to 18 cm
San Jose, Costa Rica	+0.7 to 2.2°C	-1 to +13%	
Santa Fe, Argentina	+0.8 to 1.7°C	-1 to +11%	
Santiago	+0.9 to 2.1°C	-2 to +10%	

Santo Domingo	+0.7 to 1.6°C	-5 to +5%	+4 to 17 cm
São Paulo	+0.9 to 1.7°C	-31 to +43%	
Seattle	+0.9 to 1.8°C	-1 to +12%	+4 to 18 cm
Semarang	+0.8 to 1.4°C	-5 to +32%	+4 to 17 cm
Seoul	+0.6 to 1.1°C	-11 to +9%	
Shanghai	+0.7 to 1.3°C	-11 to +14%	+3 to 19 cm
Shenzhen	+0.5 to 2.3°C	1 to +12%	+5 to 18 cm
Shimla	+0.6 to 2°C	-2 to +10%	
Singapore	+0.9 to 1.8°C	-13 to +7%	+4 to 17 cm
Sintra	+0.9 to 1.8°C	-2 to +11%	
Somerville	+0.7 to 1.5°C	-5 to +5%	
St. Peters	+0.6 to 1.4°C	-8 to +12%	
Surat	+0.5 to 1.9°C	-2 to +9%	+4 to 19 cm
Sydney	+0.6 to 2.1°C	-2 to +10%	+5 to 20 cm
Tacloban	+0.5 to 1.6°C	-8 to +2%	+3 to 19 cm
Tangerang Seltan	+0.7 to 1.9°C	-9 to +5%	+3 to 19 cm
Tehran	+0.5 to 1.8°C	-1 to +9%	
Tempe	+0.4 to 1.6°C	-1 to +8%	
Tokyo	+0.9 to 1.8°C	-1 to +10%	+3 to 19 cm
Toronto	+0.7 to 1.5°C	-5 to +7%	
Townsville	+0.7 to 1.9°C	-7 to +8%	+4 to 18 cm
Trondheim	+0.7 to 1.3°C	-4 to +5%	+5 to 23 cm
Tsukuba	+1 to 2.3°C	0 to +10%	
Tucson	+0.9 to 1.7°C	-20 to -1%	
Udon Thani	+1 to 1.9°C	-12 to +8%	
Venice	+0.4 to 1.6°C	-3 to +6%	+4 to 16 cm
Victoria	+0.7 to 1.8°C	-2 to +7%	+4 to 18 cm
Vienna	+0.7 to 1.2°C	-8 to +7%	
Warsaw	+0.7 to 1.3°C	-7 to +6%	
Washington, D.C.	+0.5 to 1.5°C	-2 to +7%	
Waterloo	+1 to 2.2°C	0 to +9%	
White Plains	+0.4 to 1.7°C	0 to +9%	
Windsor	+0.6 to 1.3°C	-13 to +12%	

## b. 2050s

City	Temperature (2050s)	Precipitation (2050s)	Sea Level Rise (2050s)
Aalborg	+1.1 to 3.7°C	-1 to +14%	
Abu Dhabi	+1.6 to 3.4°C	-32 to +49%	+15 to 60 cm
Accra	+1.2 to 2.4°C	-12 to +11%	+17 to 58 cm
Addis Ababa	+1.4 to 3.3°C	-6 to +16%	
Ahmedabad	+1.6 to 3.1°C	-5 to +53%	
Almada	+0.8 to 2.3°C	-26 to -2%	
Antofagasta	+1.2 to 2.9°C	-35 to +30%	+13 to 55 cm
Antwerp	+1.1 to 3°C	-3 to +12%	+18 to 70 cm
Athens	+1.4 to 3.1°C	-22 to +4%	+15 to 55 cm
Atlanta	+1.6 to 3.1°C	-2 to +13%	
Bangalore	+1.3 to 2.6°C	-5 to +18%	
Bangkok	+1.2 to 2.8°C	-9 to +14%	+15 to 57 cm
Bath	+1.3 to 3.6°C	-2 to +16%	
Berkeley	+1.4 to 3.2°C	-7 to +12%	
Berlin	+1.6 to 3.9°C	0 to +14%	
Bilbao	+1.7 to 3.8°C	-4 to +10%	
Bobo-Dioulasso	+1.2 to 2.2°C	-15 to +7%	
Boston	+1.2 to 3°C	-4 to +12%	+16 to 70 cm
Boulder	+0.8 to 2°C	-1 to +15%	
Brisbane	+1.5 to 3.4°C	-31 to +9%	+15 to 58 cm
Brussels	+1.7 to 3.9°C	-1 to +17%	
Buenos Aires	+1.2 to 2.2°C	-3 to +15%	+14 to 54 cm
Cairo	+1.4 to 2.5°C	-10 to +10%	
Calgary	+1 to 1.9°C	-23 to -5%	
Can Tho	+1.3 to 3.1°C	-20 to +11%	+14 to 58 cm
Canberra	+1.1 to 2.3°C	-2 to +19%	
Cape Town	+1.2 to 3.7°C	-1 to +18%	+16 to 57 cm
Chula Vista	+1.1 to 2.6°C	-6 to +15%	+14 to 56 cm
Colombo	+1 to 2.4°C	-3 to +16%	+14 to 59 cm
Copenhagen	+1.1 to 2.3°C	-31 to +27%	+16 to 70 cm
Cubatão	+1.2 to 2.1°C	-14 to +13%	+14 to 56 cm

Curitiba	+1.5 to 3.3°C	-13 to +28%	
Dakar	+1.8 to 3.8°C	-6 to +8%	+15 to 56 cm
Dar es Salaam	+1.2 to 3°C	-5 to +30%	+15 to 60 cm
Delhi	+0.7 to 2.5°C	-2 to +12%	
Denver	+1.2 to 2.3°C	-9 to +7%	
Dhaka	+1.7 to 3.7°C	-21 to +34%	+14 to 57 cm
Dublin	+1.2 to 2.5°C	-5 to +12%	+15 to 65 cm
Durban	+1.3 to 3.5°C	-8 to +6%	+14 to 58 cm
Enschede	+0.8 to 2.6°C	0 to +10%	
Faisalabad	+1.1 to 2.2°C	-14 to +6%	
Fort Lauderdale	+1.6 to 3.3°C	-19 to +33%	+15 to 62 cm
Geneva	+1.6 to 4.5°C	3 to +16%	
Genoa	+1.1 to 2.5°C	-5 to +13%	+15 to 56 cm
Glasgow	+1.4 to 2.9°C	-3 to +30%	
Gold Coast	+1.4 to 3.4°C	-15 to +5%	+15 to 58 cm
Gorakhpur	+1.2 to 2.5°C	-11 to +12%	
Gothenburg	+1.3 to 3.5°C	-2 to +13%	+17 to 70 cm
Gunnison	+1.6 to 3.4°C	-27 to -1%	
Hayama	+1.6 to 3.2°C	-10 to +7%	+13 to 65 cm
Helsinki	+0.9 to 2.9°C	-9 to +26%	+18 to 75 cm
Hoboken	+1.4 to 3°C	-4 to +24%	
Hong Kong	+1.9 to 4.2°C	-12 to +10%	+15 to 60 cm
Hyderabad	+1 to 2.8°C	-6 to +34%	
Indore	+1.2 to 2.4°C	-20 to +14%	
Istanbul	+1.1 to 2.6°C	-10 to +10%	+15 to 55 cm
Jakarta	+1.1 to 3.1°C	-3 to +12%	+14 to 58 cm
Jena	+1.4 to 2.9°C	-7 to +33%	
Jerusalem	+1 to 2.7°C	-4 to +10%	
Johannesburg	+1.4 to 2.9°C	-20 to +9%	
Kampala	+1.1 to 2.1°C	-10 to +11%	
Kassel	+0.9 to 2.8°C	-3 to +11%	
Kathmandu	+1.1 to 2.1°C	-3 to +14%	
Kedarnath	+1.3 to 2.6°C	-15 to +8%	

Khulna	+1.1 to 2.1°C	2 to +20%	+14 to 57 cm
Kingston	+1.4 to 2.8°C	-4 to +14%	+14 to 57 cm
Kunshan	+1.3 to 3.2°C	-16 to +3%	+13 to 59 cm
La Ceiba	+1.3 to 2.2°C	-14 to +5%	+15 to 59 cm
Lagos	+1.5 to 3°C	-14 to +7%	+16 to 58 cm
Leipzig	+1.2 to 2.4°C	-5 to +11%	
Leusden	+1.1 to 3.6°C	-2 to +12%	
Leuven	+1.8 to 4.7°C	-1 to +19%	
Lima	+1.9 to 3.7°C	-18 to +40%	+14 to 55 cm
Lismore	+1.2 to 2.2°C	-13 to +7%	
London	+1.3 to 2.5°C	-2 to +43%	+17 to 70 cm
Los Angeles	+1.3 to 2.6°C	-10 to +41%	+14 to 56 cm
Makassar	+1.3 to 3.3°C	-17 to +1%	+15 to 58 cm
Manchester	+1.6 to 3.4°C	1 to +19%	
Manila	+1.7 to 3.7°C	1 to +13%	+14 to 60 cm
Maputo	+1.8 to 3.5°C	1 to +14%	+15 to 58 cm
Masdar	+1.6 to 3.2°C	-2 to +13%	+15 to 60 cm
Matara	+1 to 2.3°C	-14 to +12%	+14 to 59 cm
Medellín	+1.3 to 3.2°C	-6 to +8%	
Ebro Delta (Mediterranean Spain)	+1.8 to 3.9°C	-20 to +20%	+15 to 57 cm
Melbourne	+1.8 to 3.5°C	1 to +13%	+12 to 56 cm
Mexico City	+1.1 to 2.2°C	-21 to +4%	
Miami	+1.3 to 2.6°C	-4 to +19%	+15 to 62 cm
Middelfart	+1.8 to 3.9°C	-21 to +23%	+16 to 70 cm
Montreal	+1 to 2.1°C	-14 to +10%	
Moscow	+1.5 to 3.5°C	-16 to +3%	
Multan	+1.1 to 2.9°C	-2 to +14%	
Mumbai	+1.2 to 2.8°C	-12 to +14%	+15 to 58 cm
Nairobi	+0.9 to 2.2°C	-4 to +16%	
Nanjing	+1.2 to 2.5°C	-31 to -1%	
Naples	+1.1 to 2.4°C	-26 to +2%	+15 to 56 cm
New Brunswick	+1.2 to 2.6°C	-6 to +13%	
Newcastle upon Tyne	+1.4 to 3.7°C	-3 to +10%	
New Songdo City	+1.1 to 2.4°C	-12 to +12%	+13 to 60 cm

New York	+1.5 to 3.4°C	1 to +19%	+16 to 71 cm
Newark, DE	+1.4 to 3.1°C	-2 to +9%	
Norfolk, VA	+1.2 to 2.8°C	-6 to +12%	+15 to 67 cm
Nova Friburgo	+1.9 to 3.9°C	-13 to +17%	
Ottawa	+1.1 to 2.3°C	-5 to +12%	
Oujda	+0.9 to 2.7°C	-28 to -2%	
Paris	+1.7 to 3.9°C	1 to +14%	
Paveh	+1.8 to 4°C	-3 to +11%	
Peshawar	+1.4 to 2.9°C	-2 to +49%	
Philadelphia	+1.3 to 2.4°C	-9 to +11%	
Phitsanulok	+1.1 to 2.1°C	0 to +15%	
Portmore	+1.2 to 2.5°C	-11 to +12%	+14 to 57 cm
Quito	+1.9 to 3.6°C	-12 to +11%	
Rawalpindi	+1.4 to 3°C	-5 to +11%	
Rio de Janeiro	+2.1 to 4.2°C	2 to +12%	+15 to 56 cm
Rome	+1.1 to 2.3°C	-19 to +16%	
Rotterdam	+1.7 to 3.4°C	-14 to +7%	+18 to 70 cm
San Diego	+1.4 to 3.6°C	-10 to +8%	+14 to 56 cm
San Francisco	+1.4 to 3.9°C	-5 to +11%	+14 to 56 cm
San Jose, Costa Rica	+1.5 to 3.9°C	-3 to +13%	
Santa Fe, Argentina	+1.7 to 3.5°C	1 to +14%	
Santiago	+2 to 3.9°C	0 to +14%	
Santo Domingo	+1.5 to 3.3°C	-3 to +10%	+14 to 56 cm
São Paulo	+1.7 to 3.6°C	-32 to +58%	
Seattle	+1.7 to 3.6°C	1 to +13%	+14 to 56 cm
Semarang	+1.5 to 3.1°C	-7 to +47%	+14 to 58 cm
Seoul	+1.1 to 2.2°C	-23 to +2%	
Shanghai	+1.2 to 2.6°C	-20 to +18%	+13 to 59 cm
Shenzhen	+1.4 to 3.9°C	5 to +19%	+15 to 60 cm
Shimla	+1.3 to 3.5°C	-3 to +13%	
Singapore	+1.7 to 3.5°C	-17 to +6%	+15 to 58 cm
Sintra	+1.7 to 3.6°C	0 to +13%	
Somerville	+1.4 to 3°C	-5 to +9%	
St. Peters	+1.2 to 2.9°C	-13 to +13%	

Surat	+1.2 to 3.2°C	-3 to +13%	+15 to 58 cm
Sydney	+1.3 to 3.5°C	-1 to +14%	+16 to 64 cm
Tacloban	+1.1 to 3°C	-15 to -2%	+14 to 61 cm
Tangerang Seltan	+1.4 to 3.5°C	-14 to +4%	+14 to 57 cm
Tehran	+1.1 to 2.9°C	-2 to +13%	
Tempe	+0.9 to 2.8°C	-1 to +10%	
Tokyo	+1.7 to 3.7°C	1 to +13%	+13 to 65 cm
Toronto	+1.6 to 3.4°C	-3 to +12%	
Townsville	+1.8 to 3.8°C	-8 to +9%	+16 to 58 cm
Trondheim	+1.4 to 3°C	-2 to +11%	+17 to 70 cm
Tsukuba	+2 to 4.4°C	2 to +15%	
Tucson	+1.6 to 3.5°C	-29 to -5%	
Udon Thani	+1.9 to 3.9°C	-22 to +9%	
Venice	+1 to 2.7°C	-4 to +9%	+15 to 56 cm
Victoria	+1.4 to 3.4°C	-1 to +10%	+14 to 56 cm
Vienna	+1.4 to 2.8°C	-7 to +13%	
Warsaw	+1.3 to 2.8°C	-3 to +16%	
Washington, D.C.	+1.2 to 2.9°C	2 to +13%	
Waterloo	+2.1 to 4.2°C	1 to +15%	
White Plains	+0.8 to 2.8°C	0 to +13%	
Windsor	+1.3 to 2.7°C	-20 to +11%	

### c. 2080s

City	Temperature (2080s)	Precipitation (2080s)	Sea Level Rise (2080s)
Aalborg	+1.6 to 5.4°C	1 to +22%	
Abu Dhabi	+1.9 to 5.6°C	-39 to +78%	+23 to 124 cm
Accra	+1.4 to 3.9°C	-15 to +15%	+23 to 119 cm
Addis Ababa	+1.8 to 5.3°C	-3 to +28%	
Ahmedabad	+1.9 to 5°C	-9 to +90%	
Almada	+1.3 to 3.4°C	-39 to -5%	
Antofagasta	+1.4 to 4.6°C	-29 to +47%	+20 to 116 cm
Antwerp	+1.5 to 4.9°C	-5 to +14%	+25 to 140 cm
Athens	+1.7 to 4.9°C	-33 to +2%	+22 to 116 cm

Atlanta	+2.1 to 5.1°C	-4 to +16%	
Bangalore	+1.5 to 4.5°C	-1 to +45%	
Bangkok	+1.5 to 4.7°C	-12 to +25%	+21 to 122 cm
Bath	+1.7 to 5.6°C	-4 to +18%	
Berkeley	+1.8 to 5.6°C	-11 to +15%	
Berlin	+2.2 to 6.1°C	3 to +19%	
Bilbao	+2 to 6.1°C	-7 to +12%	
Bobo-Dioulasso	+1.4 to 3.9°C	-21 to +11%	
Boston	+1.5 to 4.9°C	-6 to +14%	+23 to 141 cm
Boulder	+1.2 to 3.5°C	0 to +21%	
Brisbane	+1.8 to 5.4°C	-42 to +10%	+23 to 124 cm
Brussels	+2.1 to 6.2°C	-5 to +18%	
Buenos Aires	+1.4 to 3.7°C	-5 to +24%	+19 to 115 cm
Cairo	+1.6 to 4.3°C	-14 to +9%	
Calgary	+1.2 to 3.4°C	-32 to -7%	
Can Tho	+1.8 to 4.9°C	-25 to +15%	+21 to 122 cm
Canberra	+1.4 to 3.8°C	3 to +30%	
Cape Town	+1.7 to 5.4°C	1 to +23%	+22 to 118 cm
Chula Vista	+1.5 to 4.3°C	-7 to +23%	+21 to 118 cm
Colombo	+1.5 to 3.9°C	-2 to +25%	+22 to 122 cm
Copenhagen	+1.4 to 3.8°C	-41 to +43%	+25 to 140 cm
Cubatão	+1.5 to 3.7°C	-19 to +22%	+22 to 118 cm
Curitiba	+2 to 5.6°C	-11 to +38%	
Dakar	+2 to 6.1°C	-7 to +9%	+22 to 118 cm
Dar es Salaam	+1.4 to 4.9°C	-6 to +41%	+22 to 122 cm
Delhi	+0.9 to 3.9°C	-2 to +14%	
Denver	+1.5 to 3.9°C	-10 to +11%	
Dhaka	+2.3 to 5.9°C	-24 to +36%	+21 to 122 cm
Dublin	+1.4 to 4°C	-11 to +13%	+24 to 131 cm
Durban	+2 to 5.8°C	-11 to +8%	+20 to 118 cm
Enschede	+1.2 to 4.1°C	1 to +12%	
Faisalabad	+1.4 to 3.6°C	-21 to +10%	
Fort Lauderdale	+2 to 5.6°C	-15 to +41%	+21 to 123 cm
Geneva	+2.4 to 6.9°C	4 to +24%	

Genoa	+1.5 to 4.1°C	-5 to +21%	+22 to 118 cm
Glasgow	+1.6 to 4.9°C	1 to +48%	
Gold Coast	+1.6 to 5.3°C	-21 to +9%	+23 to 124 cm
Gorakhpur	+1.4 to 4°C	-13 to +21%	
Gothenburg	+1.8 to 5.5°C	-4 to +16%	+24 to 140 cm
Gunnison	+1.9 to 5.4°C	-41 to -5%	
Hayama	+2.1 to 5.7°C	-14 to +6%	+20 to 129 cm
Helsinki	+1.4 to 4.7°C	-8 to +44%	+26 to 148 cm
Hoboken	+1.8 to 5.2°C	-3 to +33%	
Hong Kong	+2.3 to 6.8°C	-13 to +20%	+22 to 123 cm
Hyderabad	+1.4 to 4.8°C	-5 to +38%	
Indore	+1.4 to 4°C	-35 to +23%	
Istanbul	+1.5 to 4.4°C	-12 to +14%	+22 to 116 cm
Jakarta	+1.5 to 5.1°C	-5 to +14%	+21 to 122 cm
Jena	+1.7 to 4.7°C	-6 to +63%	
Jerusalem	+1.4 to 4.5°C	-6 to +11%	
Johannesburg	+1.7 to 4.9°C	-21 to +15%	
Kampala	+1.3 to 3.6°C	-13 to +16%	
Kassel	+1.3 to 4.5°C	-5 to +15%	
Kathmandu	+1.4 to 3.6°C	-3 to +21%	
Kedarnath	+1.6 to 4.3°C	-18 to +9%	
Khulna	+1.4 to 3.7°C	1 to +32%	+21 to 122 cm
Kingston	+1.7 to 4.6°C	-6 to +16%	+20 to 119 cm
Kunshan	+1.8 to 5.1°C	-24 to +3%	+21 to 122 cm
La Ceiba	+1.5 to 3.9°C	-20 to +3%	+21 to 122 cm
Lagos	+1.8 to 5.1°C	-23 to +7%	+23 to 120 cm
Leipzig	+1.4 to 4°C	-11 to +11%	
Leusden	+1.4 to 5.2°C	1 to +20%	
Leuven	+2.6 to 7.1°C	1 to +25%	
Lima	+2.3 to 6.1°C	-24 to +41%	+21 to 117 cm
Lismore	+1.5 to 3.8°C	-17 to +10%	
London	+1.6 to 4.4°C	-2 to +64%	+24 to 139 cm
Los Angeles	+1.6 to 4.4°C	-7 to +66%	+21 to 118 cm
Makassar	+1.8 to 5.3°C	-25 to +2%	+22 to 122 cm

Manchester	+2 to 5.5°C	5 to +25%	
Manila	+2.1 to 5.7°C	2 to +19%	+21 to 124 cm
Maputo	+2.2 to 5.6°C	2 to +19%	+22 to 120 cm
Masdar	+2 to 5.1°C	-2 to +16%	+23 to 124 cm
Matara	+1.4 to 4.1°C	-21 to +13%	+22 to 122 cm
Medellin	+1.6 to 5.2°C	-9 to +7%	
Ebro Delta (Mediterranean Spain)	+2.4 to 6.1°C	-27 to +21%	+22 to 119 cm
Melbourne	+2.3 to 5.6°C	2 to +19%	+18 to 116 cm
Mexico City	+1.3 to 3.6°C	-38 to +6%	
Miami	+1.6 to 4.4°C	-6 to +30%	+21 to 123 cm
Middelfart	+2.3 to 5.9°C	-24 to +20%	+25 to 140 cm
Montreal	+1.3 to 3.7°C	-21 to +16%	
Moscow	+2 to 5.6°C	-22 to +2%	
Multan	+1.4 to 4.6°C	-3 to +16%	
Mumbai	+1.5 to 4.4°C	-11 to +22%	+23 to 122 cm
Nairobi	+1.1 to 3.7°C	-3 to +21%	
Nanjing	+1.4 to 4.2°C	-44 to -3%	
Naples	+1.4 to 4°C	-39 to +7%	+22 to 116 cm
New Brunswick	+1.6 to 4.3°C	-7 to +21%	
Newcastle upon Tyne	+1.9 to 5.7°C	-1 to +12%	
New Songdo City	+1.3 to 4°C	-17 to +18%	+20 to 124 cm
New York	+1.9 to 5.5°C	4 to +25%	+23 to 139 cm
Newark, DE	+1.8 to 4.9°C	-3 to +15%	
Norfolk, VA	+1.6 to 4.6°C	-7 to +18%	+23 to 129 cm
Nova Friburgo	+2.2 to 5.9°C	-11 to +28%	
Ottawa	+1.4 to 3.9°C	-4 to +18%	
Oujda	+1.4 to 4°C	-38 to -5%	
Paris	+2.2 to 6.1°C	3 to +19%	
Paveh	+2.2 to 6°C	-4 to +14%	
Peshawar	+1.7 to 4.9°C	-4 to +100%	
Philadelphia	+1.5 to 4.2°C	-13 to +13%	
Phitsanulok	+1.4 to 3.5°C	-2 to +24%	
Portmore	+1.4 to 4°C	-13 to +21%	+20 to 119 cm

Quito	+2.4 to 6°C	-19 to +14%	
Rawalpindi	+1.7 to 4.8°C	-7 to +13%	
Rio de Janeiro	+2.4 to 6.7°C	0 to +17%	+21 to 118 cm
Rome	+1.4 to 4°C	-28 to +17%	
Rotterdam	+2 to 5.9°C	-22 to +10%	+25 to 140 cm
San Diego	+1.9 to 5.8°C	-12 to +9%	+21 to 118 cm
San Francisco	+1.8 to 5.8°C	-7 to +12%	+21 to 118 cm
San Jose, Costa Rica	+2 to 6°C	-2 to +17%	
Santa Fe, Argentina	+2.2 to 5.4°C	2 to +20%	
Santiago	+2.3 to 6.5°C	0 to +18%	
Santo Domingo	+1.9 to 5.6°C	-2 to +15%	+20 to 117 cm
São Paulo	+2.1 to 6°C	-38 to +81%	
Seattle	+2.2 to 5.6°C	2 to +19%	+21 to 118 cm
Semarang	+1.9 to 5.2°C	-5 to +73%	+21 to 122 cm
Seoul	+1.3 to 3.6°C	-38 to +5%	
Shanghai	+1.4 to 4.6°C	-33 to +22%	+21 to 122 cm
Shenzhen	+1.8 to 5.9°C	7 to +24%	+22 to 123 cm
Shimla	+1.8 to 5.4°C	-4 to +16%	
Singapore	+2.1 to 5.8°C	-19 to +8%	+21 to 122 cm
Sintra	+2.1 to 5.7°C	1 to +19%	
Somerville	+1.7 to 4.8°C	-7 to +12%	
St. Peters	+1.5 to 4.5°C	-13 to +21%	
Surat	+1.5 to 5.2°C	-4 to +17%	+23 to 122 cm
Sydney	+1.8 to 5.5°C	-3 to +16%	+24 to 128 cm
Tacloban	+1.4 to 4.7°C	-22 to -3%	+21 to 125 cm
Tangerang Seltan	+1.9 to 5.6°C	-17 to +4%	+21 to 122 cm
Tehran	+1.4 to 4.7°C	-4 to +16%	
Tempe	+1.3 to 4.3°C	-2 to +15%	
Tokyo	+2.1 to 5.7°C	2 to +19%	+20 to 129 cm
Toronto	+1.9 to 5.7°C	-1 to +18%	
Townsville	+2.1 to 6.2°C	-10 to +10%	+22 to 123 cm
Trondheim	+1.7 to 4.8°C	-4 to +13%	+25 to 141 cm
Tsukuba	+2.4 to 6.9°C	3 to +19%	
Tucson	+2.1 to 5.7°C	-44 to -7%	

Udon Thani	+2.4 to 6.3°C	-31 to +9%	
Venice	+1.3 to 4.4°C	-6 to +11%	+22 to 117 cm
Victoria	+2 to 5.6°C	0 to +13%	+21 to 118 cm
Vienna	+1.6 to 4.8°C	-9 to +21%	
Warsaw	+1.5 to 4.6°C	-4 to +24%	
Washington, D.C.	+1.7 to 4.9°C	5 to +19%	
Waterloo	+2.4 to 6.9°C	4 to +19%	
White Plains	+1.2 to 4.1°C	1 to +20%	
Windsor	+1.7 to 4.3°C	-25 to +15%	