

# 서울특별시 기후변화 전망보고서 2023

SSP 4종 시나리오에 따른  
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CHAPTER

01

# 서론

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4. SSP 미래 기후변화 전망

서울특별시 기후변화 전망보고서 2023

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# CHAPTER 01

## 서론



### 1. 발간 배경 및 목적

- IPCC(기후변화에 관한 정부 간 협의체) 제6차 평가보고서(2021)에 따르면 산업화 이전 대비 2011~2020년의 전지구 표면 온도는 1.09°C 상승하였고, 이번 세기 중반까지 현 수준의 온실가스 배출량이 지속된다면 2021~2040년 중 1.5°C 지구온난화를 넘을 위험이 높음.
- 우리나라도 최근 30년(1991~2020년) 평균기온이 과거(1912~1940년)에 비해 1.6°C 상승하였으며 폭염·열대야 일수 등 더위 관련 극한기후지수는 증가하고 호우와 같은 극한강수 발생일수도 증가하였음(기상청, 2021).
- 지구온난화가 가속화될수록 막대한 피해를 초래하는 극한기후현상이 더욱 빈번하고 강하게 나타나는 추세이며, 이러한 영향은 지역 및 부문별로 다르게 나타나고 있어 기후변화 취약성 및 영향 분석·평가 등을 위해 상세 지역별 미래 기후변화 전망정보가 요구됨.
- 기상청은 SSP(Shared Socio-economic Pathways) 시나리오(SSP1-2.6/2-4.5/3-7.0/5-8.5)에 대한 전지구(135km 공간해상도), 동아시아·한반도(25km) 및 남한상세(1km) 영역별 미래 기후변화 전망정보를 생산하였고(국립기상과학원, 2019; 2020; 2021; 2022), 기후위기 정책 지원을 위해 행정구역별(광역시도, 시군구, 읍면동)로 전망정보를 산출하여 2022년부터 기후정보포털을 통해 제공 중임.
- 본 보고서는 SSP 행정구역별 전망정보 중 서울특별시에 대한 상세 미래전망 분석 정보를 수록하였음.

### 2. 기후변화 시나리오 정의 및 개념

- 기후변화 시나리오는 온실가스, 에어로졸, 토지이용 변화 등의 인위적인 원인으로 발생한 복사강제력 변화를 지구시스템 모델에 적용하여 산출한 미래 기후변화 전망정보(기온, 강수량, 바람, 습도 등)임.
- SSP 시나리오는 2100년 기준의 복사강제력 정도(기존 RCP 개념)와 함께 기후변화 적응과 온실가스 감축 여부에 따라 인구, 경제, 토지이용, 에너지 사용 등 미래의 사회경제 지표의 정량적인 변화 내용을 포함하는 5개 그룹으로 구성됨(O'Neill et al., 2014; 2017)(그림 1-1).
- IPCC 6차 평가보고서의 표준 온실가스 경로는 SSP1-2.6, SSP2-4.5, SSP3-7.0, SSP5-8.5 4종으로 첫 번째 숫자는 기후변화 적응 및 완화를 위한 사회·경제적 노력, 두 번째 숫자는 2100년 기준의 복사강제력을 나타냄(표 1-1).



- (2단계) 수평해상도가 25km인 동아시아·한반도 시나리오의 현재 기후(2000-2019년)와 미래 전망자료(2021-2100년)를 1km 해상도로 객관분석한 후, 각 격자별로 현재 기후 대비 미래 전망 편차를 추출함.
- (3단계) 수평해상도 1km의 격자형 관측자료와 미래 전망 편차를 더하여 고해상도의 남한상세 기후변화 시나리오를 생산함.

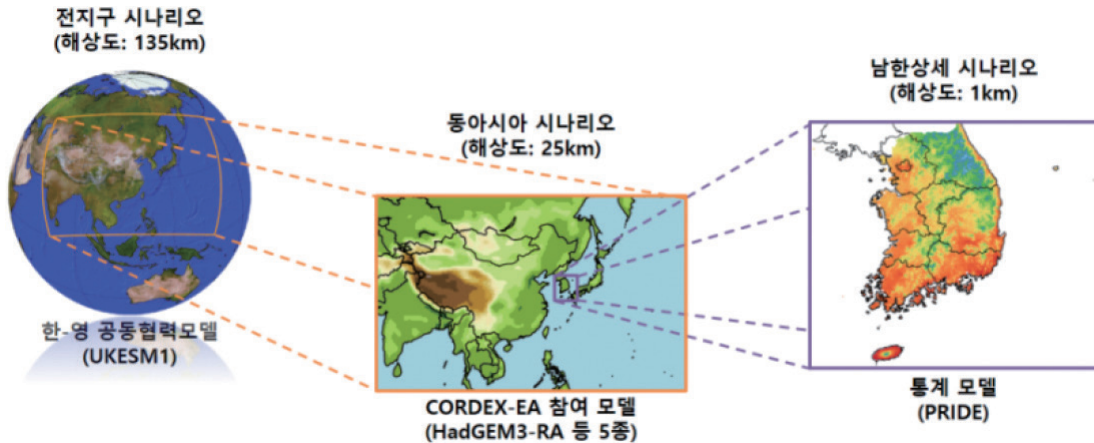


그림 1-2. SSP 기후변화 시나리오 생산체계(전지구→동아시아·한반도→남한상세)

#### 4. SSP 미래 기후변화 전망

- 기상청은 「전지구 기후변화 전망보고서 개정판(2020)」, 「한반도 기후변화 전망보고서 2020 개정판(2021)」, 「남한상세 기후변화 전망보고서 개정판(2022)」 발간을 통해 영역 및 해상도별로 미래 기후변화를 전망하였으며, 주요 결과를 요약하여 제시함(표 1-2).

##### 1) 전지구 기후변화 전망

- 21세기 후반기(2081-2100년) 전지구 연평균기온은 온실가스 배출 정도에 따라 현재(1995-2014년) 대비 1.9~5.2℃ 상승하고 평균 강수량은 5~10% 증가할 것으로 전망됨.

##### 2) 한반도 기후변화 전망

- 21세기 후반기 한반도 연평균기온은 온실가스 배출 정도에 따라 현재(1995-2014년) 대비 2.6~7.0℃ 상승하고 평균 강수량은 3~15% 증가할 것으로 전망됨.

##### 3) 남한 기후변화 전망

- 21세기 후반기 우리나라 연평균기온은 온실가스 배출 정도에 따라 현재(2000-2019년) 대비 2.3~6.3℃ 상승하고 평균 강수량은 4~16% 증가할 것으로 전망됨.

표 1-2. 미래 평균기온(°C) 및 강수량(mm) 변화

구분		전지구(135km)		한반도(25km)		남한상세(1km)	
		기온	강수량	기온	강수량	기온	강수량
현재 기후 값 (전지구/한반도: 1995-2014, 남한: 2000-2019)		14.4°C	1051.5mm	11.2°C	1195.2mm	11.9°C	1328.1mm
21세기 전반기 (2021-2040)	SSP1-2.6	+1.2	+3%	+1.6	-1%	+1.3	+5%
	SSP2-4.5	+1.3	+3%	+1.5	+1%	+1.2	+7%
	SSP3-7.0	+1.2	+2%	+1.5	+2%	+1.3	+6%
	SSP5-8.5	+1.3	+3%	+1.8	-2%	+1.5	+1%
21세기 중반기 (2041-2060)	SSP1-2.6	+1.7	+4%	+1.8	+3%	+1.6	+7%
	SSP2-4.5	+2.0	+4%	+2.5	+6%	+2.2	+7%
	SSP3-7.0	+2.2	+4%	+3.1	+2%	+2.7	+7%
	SSP5-8.5	+2.4	+5%	+3.2	+4%	+2.9	+6%
21세기 후반기 (2081-2100)	SSP1-2.6	+1.9	+5%	+2.6	+3%	+2.3	+4%
	SSP2-4.5	+3.0	+7%	+3.9	+13%	+3.5	+15%
	SSP3-7.0	+4.3	+8%	+5.9	+12%	+5.4	+13%
	SSP5-8.5	+5.2	+10%	+7.0	+15%	+6.3	+16%

CHAPTER

02

# 분석 자료와 방법

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1. 분석 자료
2. 분석 방법



서울특별시 기후변화 전망보고서 2023

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# CHAPTER 02

## 분석 자료와 방법



### 1. 분석 자료

#### 1) 분석 지역

- 서울특별시 시군구(총 25개): 강남구, 강동구, 강북구, 강서구, 관악구, 광진구, 구로구, 금천구, 노원구, 도봉구, 동대문구, 동작구, 마포구, 서대문구, 서초구, 성동구, 성북구, 송파구, 양천구, 영등포구, 용산구, 은평구, 종로구, 중구, 중랑구

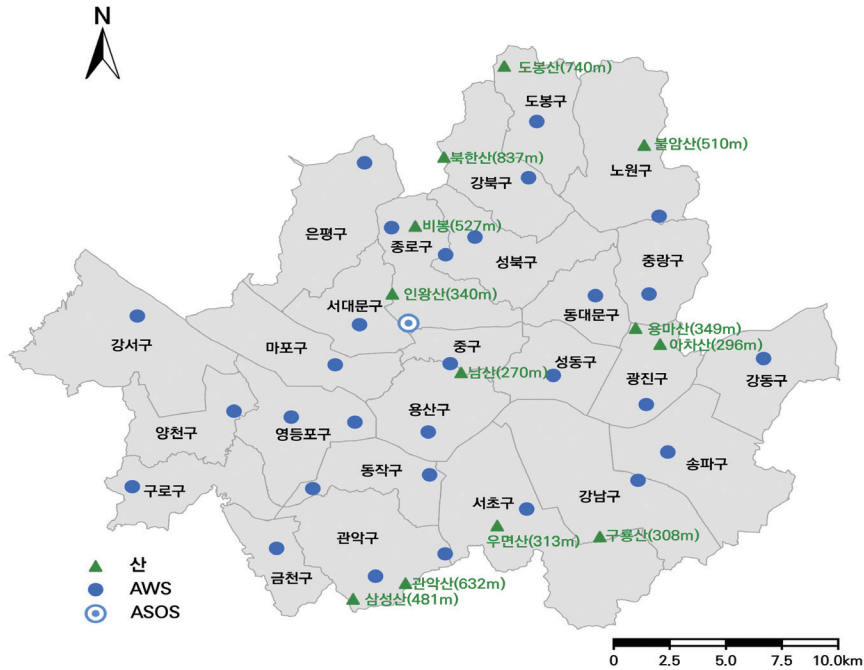


그림 2-1. 서울특별시 행정구역 구분과 관측지점 위치

## 2) 분석 요소

- 기후요소: 평균기온, 최고기온, 최저기온, 강수량
- 극한기후지수: 총 23종(고온 관련 9종, 저온 관련 7종, 강수 관련 7종)
- 영향정보: 계절길이

표 2-1. 극한기후지수 정의

극한기후지수		정의	단위
고온 (9종)	폭염일수	일최고기온이 33℃ 이상인 날의 연중 일수	일
	열대야일수	일최저기온이 25℃ 이상인 날의 연중 일수	일
	여름일수	일최고기온이 25℃ 이상인 날의 연중 일수	일
	온난일	일최고기온이 기준기간의 90퍼센타일을 초과한 날의 연중 일수	일
	온난야	일최저기온이 기준기간의 90퍼센타일을 초과한 날의 연중 일수	일
	일최고기온 연최대	일최고기온의 연중 최대 값	℃
	일최저기온 연최대	일최저기온의 연중 최대 값	℃
	일교차	일최고기온과 일최저기온 차이값의 연평균	℃
	식물성장가능기간	일평균기온이 5℃ 초과인 날이 적어도 6일 이상 지속된 첫 날부터 일평균기온이 5℃ 미만인 날이 적어도 6일 이상 지속된 첫 날까지 사이의 연중 일수	일
저온 (7종)	한파일수	일최저기온이 -12℃ 이하인 날의 연중 일수	일
	결빙일수	일최고기온이 0℃ 미만인 날의 연중 일수	일
	서리일수	일최저기온이 0℃ 미만인 날의 연중 일수	일
	한랭일	일최고기온이 기준기간의 10퍼센타일 미만인 날의 연중 일수	일
	한랭야	일최저기온이 기준기간의 10퍼센타일 미만인 날의 연중 일수	일
	일최고기온 연최소	일최고기온의 연중 최소 값	℃
	일최저기온 연최소	일최저기온의 연중 최소 값	℃
강수 (7종)	호우일수	일강수량이 80mm 이상인 날의 연중 일수	일
	강수강도	연중 습윤일수(일강수량 1mm 이상)로 나누어진 연 총강수량	mm/일
	1일최다강수량	일강수량의 연중 최대 값	mm
	5일최다강수량	연속된 5일 동안 기록된 강수량 중 연중 최대 값	mm
	95퍼센타일강수일수	일강수량이 기준기간의 상위 95퍼센타일*보다 많은 날의 연중 일수	일
	99퍼센타일강수일수	일강수량이 기준기간의 상위 99퍼센타일*보다 많은 날의 연중 일수	일
	최대무강수지속기간**	일강수량이 1mm 미만인 날의 연중 최대 지속 일수	일

\* 상위 95/99퍼센타일은 일강수량 1mm 이상인 날을 기준으로 산출함.

\*\* 강수가 1mm 이상 내리지 않은 날의 최대지속기간을 나타내는 지수로 강수량이 많은 기간(장마철) 이후인 7.1.부터 다음해 6.30.까지 자료로 산출함(예시: 2030년 최대무강수지속기간은 2030.7.1.~2031.6.30. 자료로 산출).

표 2-2. 계절 시작일 기준(기상청, 2012)

계절	계절 시작일
봄	일평균기온이 5℃ 이상 올라간 후 다시 내려가지 않는 첫날
여름	일평균기온이 20℃ 이상 올라간 후 다시 내려가지 않는 첫날
가을	일평균기온이 20℃ 미만으로 내려간 후 다시 올라가지 않는 첫날
겨울	일평균기온이 5℃ 미만으로 내려간 후 다시 올라가지 않는 첫날

※ 일평균기온은 9일 이동평균하여 사용

### 3) 분석 기간

- 현재 기후: 2000-2019년
  - 기상청 관측자료에 MK-PRISM 기법을 적용한 1km 격자형 관측자료(2000-2019년)를 행정구역 값으로 변환하여 현재 기후 값으로 활용함.
- 미래 기후변화 전망: 2021-2100년
  - (21세기 전반기) 2021-2040년, (21세기 중반기) 2041-2060년, (21세기 후반기) 2081-2100년
  - ※ IPCC 제6차 평가보고서(2021)에서 구분한 기준을 따름.

## 2. 분석 방법

### 1) 기후 통계 산출 방법

- 각 기후요소 및 극한기후지수 등의 기후 값 산출을 위한 통계 분석은 기상청 「기후통계지침」(2021)에 기초하였음.
- 계절값은 계절별로 3개월의 기후 값을 평균한 것으로 봄 3~5월, 여름 6~8월, 가을 9~11월, 겨울 12~익년 2월을 기준으로 함. 다만, 강수량의 경우 3개월의 기후 값을 합산하여 산출함.
- 기후요소의 변화 경향은 현재 기후 값과 21세기 전/중/후반기별로 각 기간별 중위수 연도값에 기후요소 평균값을 대입하여 선형 회귀식으로 산출하였으며, 그 기울기를 10년당 변화율로 환산하여 제시함.
- 극한기후지수는 세계기상기구의 ETCCDI\* 기후변화지수와 기후변화 남한상세 전망보고서(국립기상과학원, 2022)에 기반하여 산출한 것으로 기온 극한기후지수 16종, 강수 극한기후지수 7종 총 23종을 분석함.
  - \* CCI/CLIVAAR/JCOMM Expert Team(ET) on Climate Change Detection and Indices(WMO, 1983)
  - 극한기후지수는 남한상세 시나리오(1km) 모델 5종별로 극한기후지수를 각각 산출한 후 격자별로 평균한 값을 행정구역 값으로 변환한 것임.
- 계절 시작일 및 계절길이는 기상청(2012) 기준으로 산출하였으며 일평균기온은 9일 이동평균하여 사용하였음.

## 2) 행정구역별 전망자료 산출 방법

## ● 남한상세 시나리오(1km)를 활용하여 광역시도, 시군구, 읍면동 등 행정구역 자료로 변환함

- (읍면동) 남한상세 1km 격자자료에서 해당 읍면동 기상청 동네예보 지점이 포함되는 격자값을 대푯값으로 설정함.
- (시군구) 해당 시군구 내 포함되어 있는 읍면동 값들을 산술평균하여 산출함.
- (광역시도) 해당 광역시도 내 포함되어 있는 시군구 값들을 산술평균하여 산출함.

※ 전국값(남한평균값)은 1km 격자자료 산출결과(남한상세 기후변화 전망보고서)를 이용하고, 행정구역 자료 기반의 전국값은 별도 산출하지 않음.

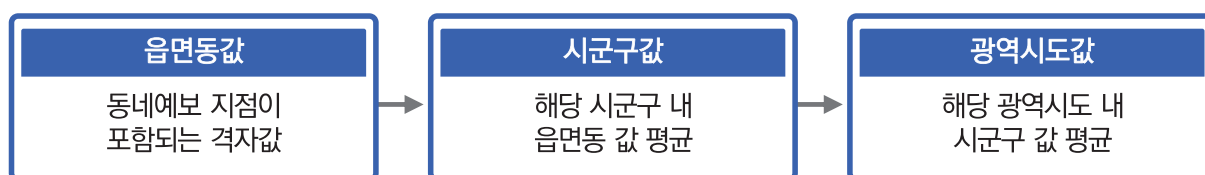


그림 2-2. 행정구역 자료 산출 방법

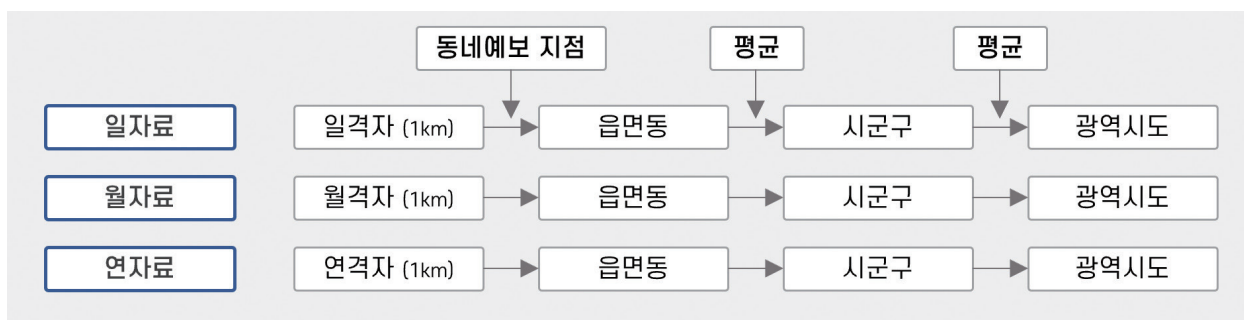


그림 2-3. 일/월/연별 행정구역 자료 산출 체계

CHAPTER

03

# 서울특별시의 현재 기후

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1. 기후요소
2. 극한기후지수

서울특별시 기후변화 전망보고서 2023

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# CHAPTER 03

## 서울특별시의 현재 기후



### 1. 기후요소

#### 1) 기온

- 우리나라 서북부에 위치한 서울특별시의 현재(2000-2019년) 연평균기온은 13.1℃로 우리나라 연평균 기온(12.6℃)보다 0.5℃ 높음(표 3-1).

- 서울특별시에서 연평균기온이 가장 높은 지역은 영등포구, 강남구, 송파구(13.6℃)이고, 가장 낮은 지역은 도봉구, 노원구(12.5℃)이며, 그 차이는 1.1℃로 나타남.

- 서울특별시의 연평균 최고기온은 17.9℃로 우리나라 연평균 최고기온(18.2℃)보다 0.3℃ 낮고, 연평균 최저기온은 9.0℃로 우리나라 연평균 최저기온(7.8℃)보다 1.2℃ 높음(표 3-2, 표 3-3).

- 서울특별시에서 연평균 최고기온이 가장 높은 지역은 송파구(18.3℃)이고, 연평균 최저기온이 가장 낮은 지역은 영등포구(9.8℃)로 나타남.

※ 제3장의 우리나라 현재 기후 값(2000-2019년)은 62개 지점 관측값을 토대로 산출되었음.

#### 2) 강수량

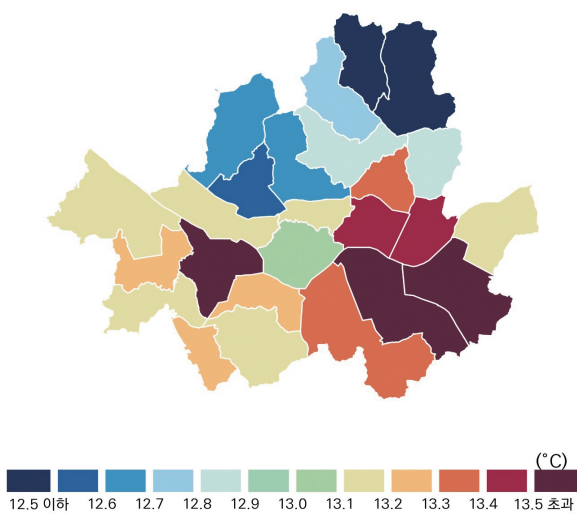
- 서울특별시의 현재(2000-2019년) 연강수량은 1269.6mm로 우리나라 연강수량(1325.9mm)보다 56.3mm 적음(표 3-4).

- 서울특별시에서 연강수량이 가장 많은 지역은 도봉구(1407.4mm)이고, 가장 적은 지역은 강서구(1206.0mm)이며, 그 차이는 201.4mm로 나타남.

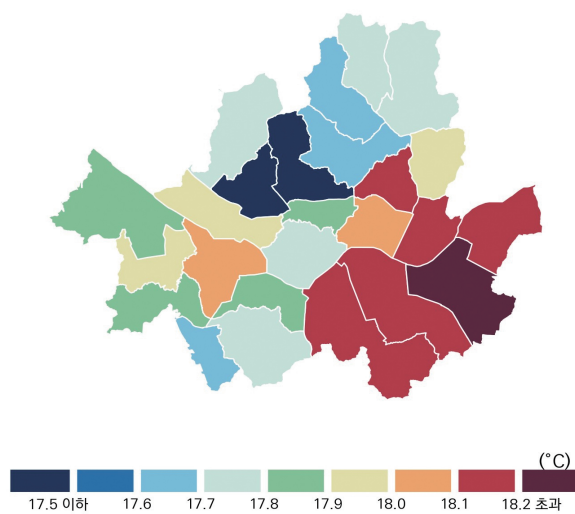
- 서울특별시 계절별 연강수량은 여름 > 가을 > 봄 > 겨울 순으로 나타나며, 여름철 연강수량은 751.3mm(강서구)~898.8mm(도봉구), 겨울철 연강수량은 51.8mm(용산구)~60.3mm(도봉구) 분포를 보임.



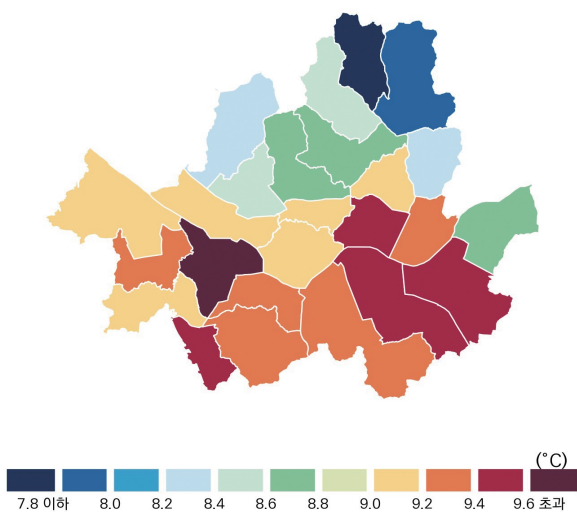
(a) 연평균기온



(b) 연평균 최고기온



(c) 연평균 최저기온



(d) 연강수량

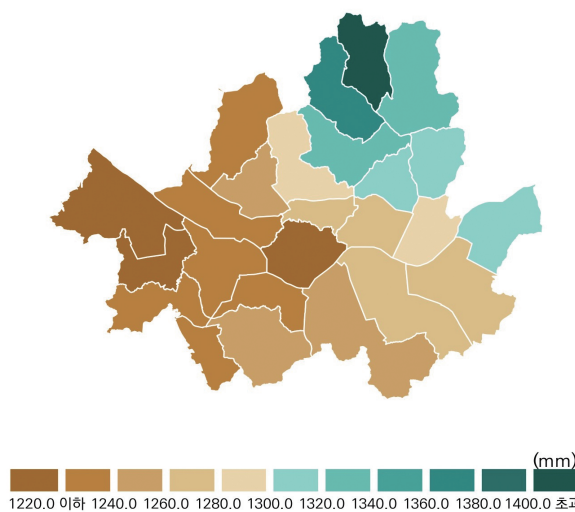


그림 3-1. 현재(2000-2019년) 서울특별시 기후요소 분포

표 3-1. 현재(2000-2019년) 서울특별시 연평균 및 계절별 평균기온(°C)

구분	연	봄	여름	가을	겨울
서울특별시	13.1	12.7	25.1	15.0	-0.3
강남구	13.6	13.2	25.5	15.5	0.2
강동구	13.2	12.9	25.3	14.9	-0.4
강북구	12.8	12.5	24.9	14.6	-0.7
강서구	13.2	12.6	25.2	15.2	-0.2
관악구	13.2	12.6	25.0	15.2	0.0
광진구	13.5	13.1	25.5	15.3	0.1
구로구	13.2	12.6	25.2	15.2	-0.2
금천구	13.3	12.6	25.1	15.4	0.2
노원구	12.5	12.2	24.7	14.2	-1.0
도봉구	12.5	12.2	24.6	14.1	-1.0
동대문구	13.4	13.0	25.4	15.1	-0.1
동작구	13.3	12.7	25.2	15.3	-0.1
마포구	13.2	12.7	25.2	15.2	-0.2
서대문구	12.6	12.1	24.6	14.6	-0.8
서초구	13.4	13.0	25.5	15.3	0.0
성동구	13.5	13.1	25.4	15.4	0.1
성북구	12.9	12.5	25.0	14.7	-0.5
송파구	13.6	13.2	25.6	15.4	0.2
양천구	13.3	12.7	25.3	15.4	-0.1
영등포구	13.6	13.0	25.6	15.7	0.2
용산구	13.1	12.6	25.1	15.1	-0.4
은평구	12.7	12.3	24.8	14.6	-0.8
종로구	12.7	12.3	24.7	14.6	-0.7
중구	13.2	12.8	25.2	15.1	-0.2
중랑구	12.9	12.7	25.1	14.6	-0.6

표 3-2. 현재(2000-2019년) 서울특별시 연평균 및 계절별 최고기온(°C)

구분	연	봄	여름	가을	겨울
서울특별시	17.9	18.1	29.7	19.9	4.0
강남구	18.2	18.4	30.0	20.1	4.2
강동구	18.2	18.5	30.1	20.0	4.2
강북구	17.7	18.0	29.6	19.6	3.7
강서구	17.9	18.0	29.7	20.0	4.1
관악구	17.8	18.0	29.4	19.8	4.0
광진구	18.2	18.4	30.0	20.0	4.2
구로구	17.9	18.0	29.7	19.9	4.0
금천구	17.7	17.8	29.3	19.8	4.1
노원구	17.8	18.2	29.6	19.7	3.8
도봉구	17.8	18.1	29.5	19.6	3.8
동대문구	18.2	18.4	30.0	20.1	4.2
동작구	17.9	18.1	29.7	19.9	3.9
마포구	18.0	18.2	29.7	20.0	4.0
서대문구	17.5	17.8	29.2	19.5	3.5
서초구	18.2	18.4	30.1	20.2	4.2
성동구	18.1	18.3	29.9	20.0	4.2
성북구	17.7	17.9	29.5	19.6	3.7
송파구	18.3	18.6	30.1	20.2	4.4
양천구	18.0	18.1	29.8	20.1	4.1
영등포구	18.1	18.2	29.9	20.1	4.2
용산구	17.8	18.0	29.6	19.7	3.8
은평구	17.8	18.1	29.6	19.8	3.9
종로구	17.5	17.7	29.2	19.4	3.5
중구	17.9	18.2	29.7	19.9	4.0
중랑구	18.0	18.4	29.8	19.8	4.1

표 3-3. 현재(2000-2019년) 서울특별시 연평균 및 계절별 최저기온(°C)

구분	연	봄	여름	가을	겨울
서울특별시	9.0	7.9	21.5	10.8	-4.2
강남구	9.6	8.6	22.0	11.5	-3.5
강동구	8.7	7.7	21.5	10.4	-4.7
강북구	8.5	7.5	21.2	10.2	-4.8
강서구	9.1	8.0	21.6	11.0	-4.1
관악구	9.3	8.1	21.5	11.3	-3.7
광진구	9.4	8.4	21.9	11.2	-3.7
구로구	9.2	8.0	21.7	11.2	-4.0
금천구	9.5	8.3	21.7	11.6	-3.4
노원구	7.9	6.8	20.8	9.5	-5.5
도봉구	7.8	6.8	20.7	9.4	-5.5
동대문구	9.2	8.1	21.7	10.9	-4.0
동작구	9.4	8.2	21.7	11.4	-3.8
마포구	9.2	8.1	21.7	11.2	-4.0
서대문구	8.5	7.3	21.0	10.4	-4.8
서초구	9.3	8.2	21.8	11.1	-3.9
성동구	9.5	8.5	21.9	11.3	-3.6
성북구	8.7	7.7	21.3	10.5	-4.5
송파구	9.5	8.4	21.9	11.2	-3.7
양천구	9.3	8.1	21.8	11.3	-3.9
영등포구	9.8	8.7	22.2	11.9	-3.4
용산구	9.2	8.1	21.6	11.1	-4.0
은평구	8.3	7.2	21.1	10.1	-5.0
종로구	8.7	7.6	21.2	10.6	-4.6
중구	9.2	8.1	21.6	11.0	-4.1
중랑구	8.3	7.3	21.2	9.9	-5.0

표 3-4. 현재(2000-2019년) 서울특별시 연평균 및 계절별 강수량(mm)

구분	연	봄	여름	가을	겨울
서울특별시	1269.6	184.4	800.4	229.6	55.1
강남구	1272.3	182.2	801.8	234.2	53.9
강동구	1300.2	181.5	828.5	235.5	54.7
강북구	1365.8	201.0	868.7	236.9	59.2
강서구	1206.0	175.9	751.3	224.9	53.8
관악구	1245.7	186.9	770.1	232.7	55.7
광진구	1284.7	182.0	814.7	233.0	54.9
구로구	1224.9	183.4	755.2	230.6	55.7
금천구	1228.6	186.7	752.3	234.3	55.3
노원구	1333.9	193.1	853.1	230.9	56.5
도봉구	1407.4	207.3	898.8	240.7	60.3
동대문구	1300.5	186.5	826.8	231.2	56.0
동작구	1226.6	178.5	767.5	227.3	53.1
마포구	1231.1	176.3	775.3	226.2	53.5
서대문구	1257.1	183.0	793.1	225.7	55.6
서초구	1252.6	182.0	782.8	232.4	55.2
성동구	1267.5	180.8	803.4	228.6	54.4
성북구	1321.2	193.3	840.3	230.6	57.0
송파구	1277.4	181.8	810.1	232.4	52.9
양천구	1212.5	178.9	752.8	226.2	54.6
영등포구	1223.0	177.6	765.6	226.6	53.0
용산구	1206.9	175.4	760.5	219.1	51.8
은평구	1239.0	178.3	788.2	220.1	52.6
종로구	1281.7	187.5	811.3	226.8	56.3
중구	1260.6	183.3	796.6	225.2	55.4
중랑구	1313.2	186.4	841.8	228.2	56.6

## 2. 극한기후지수

### 1) 고온 극한기후지수

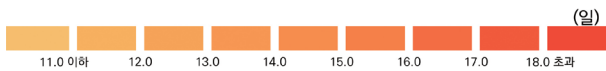
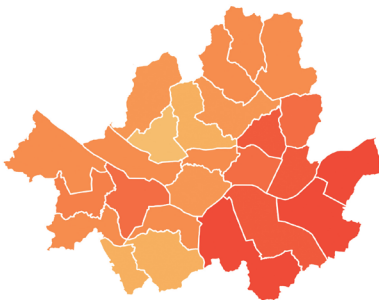
#### ● 여름철 최고기온 관련 지수

- 서울특별시 현재(2000-2019년) 폭염일수는 15.0일로 우리나라 폭염일수(11.8일)보다 3.2일 많고 서초구(18.8일)에서 가장 많이 나타남.
- 서울특별시 현재(2000-2019년) 일최고기온 연최대는 35.9℃로 우리나라 일최고기온 연최대(35.1℃)보다 0.8℃ 높고 서초구(36.5℃)에서 가장 높게 나타남.

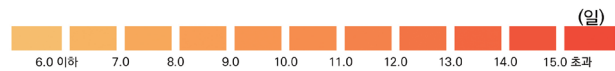
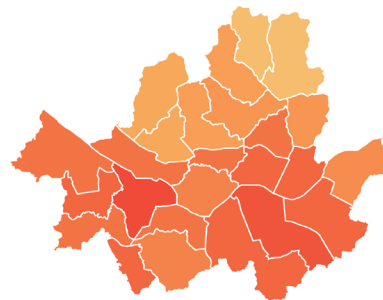
#### ● 여름철 최저기온 관련 지수

- 서울특별시 현재(2000-2019년) 열대야일수는 11.3일로 우리나라 열대야일수(5.5일)보다 5.8일 많고 영등포구(16.0일)에서 가장 많이 나타남.
- 서울특별시 현재(2000-2019년) 일최저기온 연최대는 26.8℃로 우리나라 일최저기온 연최대(25.6℃)보다 1.2℃ 높고 영등포구(27.5℃)에서 가장 높게 나타남.

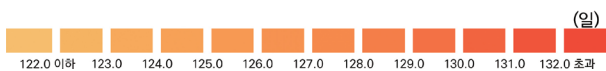
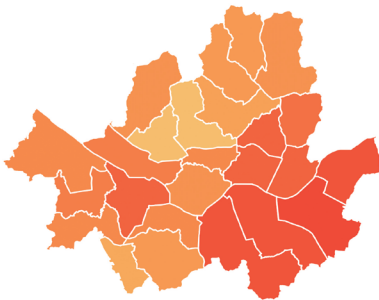
(a) 폭염일수



(b) 열대야일수



(c) 여름일수



(d) 온난일

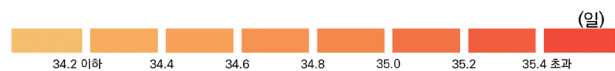
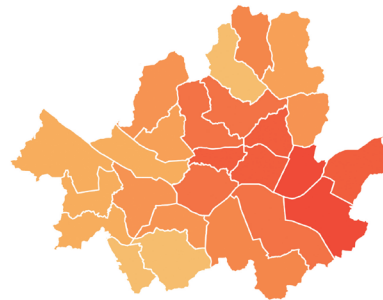
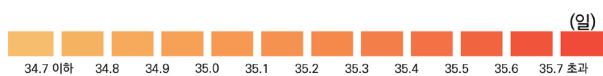
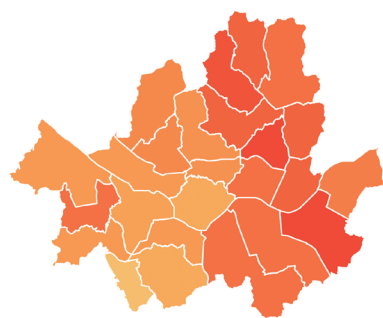
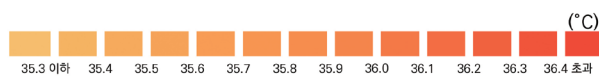
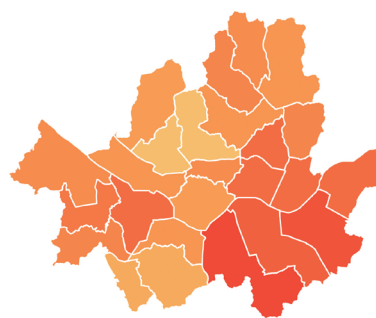


그림 3-2. 현재(2000-2019년) 서울특별시 고온 관련 극한기후지수 분포

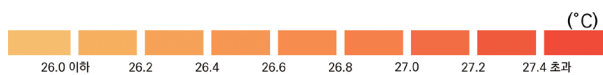
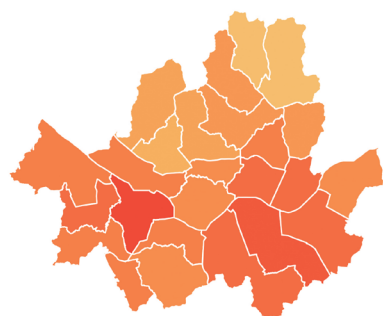
(e) 온난야



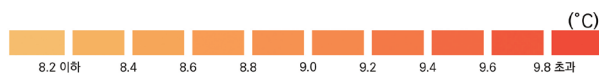
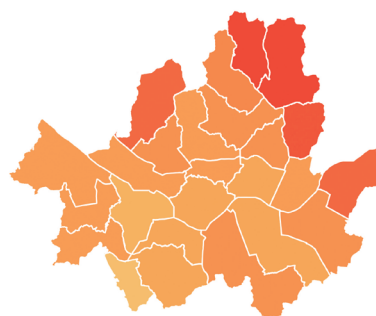
(f) 일최고기온 연최대



(g) 일최저기온 연최대



(h) 일교차



(i) 식물성장가능기간

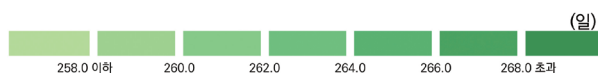
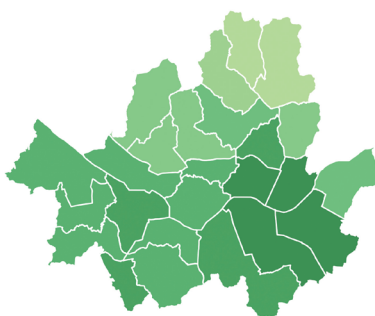


그림 3-2. 현재(2000-2019년) 서울특별시 고온 관련 극한기후지수 분포(계속)

표 3-5. 현재(2000-2019년) 서울특별시 고온 관련 극한기후지수

구분	폭염일수 (일)	열대야일수 (일)	여름일수 (일)	온난일 (일)	온난야 (일)	일최고기온 연최대(°C)	일최저기온 연최대(°C)	일교차 (°C)	식물성장 가능기간 (일)
서울특별시	15.0	11.3	127.7	34.8	35.3	35.9	26.8	8.9	264.5
강남구	17.9	14.7	131.3	35.1	35.5	36.3	27.3	8.6	269.4
강동구	18.3	10.5	131.5	35.3	35.4	36.2	26.8	9.5	263.1
강북구	14.9	8.9	125.5	34.2	35.7	36.0	26.5	9.2	259.8
강서구	14.4	12.5	127.8	34.4	35.1	35.9	26.9	8.8	264.9
관악구	11.9	11.4	125.4	34.2	34.9	35.5	26.7	8.5	266.0
광진구	17.7	13.6	130.3	35.6	35.6	36.2	27.1	8.7	269.6
구로구	14.8	12.8	127.3	34.3	35.1	36.0	27.0	8.7	265.3
금천구	11.5	13.1	123.5	34.2	34.7	35.5	27.0	8.2	266.8
노원구	14.2	5.9	126.4	34.5	35.5	35.8	26.0	10.0	257.2
도봉구	14.5	5.2	125.1	35.0	35.6	35.9	26.0	9.9	256.7
동대문구	17.5	12.2	130.7	35.3	35.8	36.2	26.9	9.0	267.4
동작구	14.4	12.4	127.8	34.7	35.1	35.8	26.9	8.5	265.7
마포구	14.5	12.2	128.2	34.4	35.1	35.8	26.9	8.8	265.3
서대문구	10.6	7.5	121.9	34.5	35.3	35.3	26.2	9.0	260.2
서초구	18.8	13.5	131.9	35.0	35.5	36.5	27.1	8.9	267.1
성동구	17.0	13.4	130.2	35.3	35.5	36.2	27.1	8.6	268.9
성북구	13.9	9.6	124.5	35.1	35.6	35.8	26.5	8.9	262.8
송파구	18.7	14.0	132.6	35.5	35.8	36.4	27.2	8.9	269.7
양천구	15.2	13.7	128.6	34.4	35.5	36.1	27.1	8.7	266.0
영등포구	16.3	16.0	130.5	34.7	35.0	36.2	27.5	8.3	267.7
용산구	13.8	11.6	126.1	35.1	34.9	35.7	26.8	8.6	264.3
은평구	13.3	8.0	126.5	34.8	35.3	35.7	26.3	9.5	261.6
종로구	11.1	8.4	121.1	35.1	35.2	35.3	26.3	8.8	261.0
중구	14.4	12.1	127.7	35.3	35.2	35.9	26.8	8.8	266.0
종랑구	16.3	9.3	129.1	34.7	35.6	36.0	26.6	9.7	260.9



## 2) 저온 극한기후지수

### ● 겨울철 최고기온 관련 지수

- 서울특별시 현재(2000-2019년) 결빙일수는 18.2일로 우리나라 결빙일수(10.3일)보다 7.9일 많고 종로구(21.0일)에서 가장 많이 나타남.
- 서울특별시 현재(2000-2019년) 일최고기온 연최소는  $-7.3^{\circ}\text{C}$ 로 우리나라 일최고기온 연최소( $-4.2^{\circ}\text{C}$ )보다  $3.1^{\circ}\text{C}$  낮고 서대문구, 종로구( $-7.9^{\circ}\text{C}$ )에서 가장 낮게 나타남.

### ● 겨울철 최저기온 관련 지수

- 서울특별시 현재(2000-2019년) 한파일수는 4.4일로 우리나라 한파일수(7.5일)보다 3.1일 적고 도봉구(8.1일)에서 가장 많이 나타남.
- 서울특별시 현재(2000-2019년) 일최저기온 연최소는  $-14.2^{\circ}\text{C}$ 로 우리나라 일최저기온 연최소( $-13.8^{\circ}\text{C}$ )보다  $0.4^{\circ}\text{C}$  낮고 도봉구( $-15.6^{\circ}\text{C}$ )에서 가장 낮게 나타남.

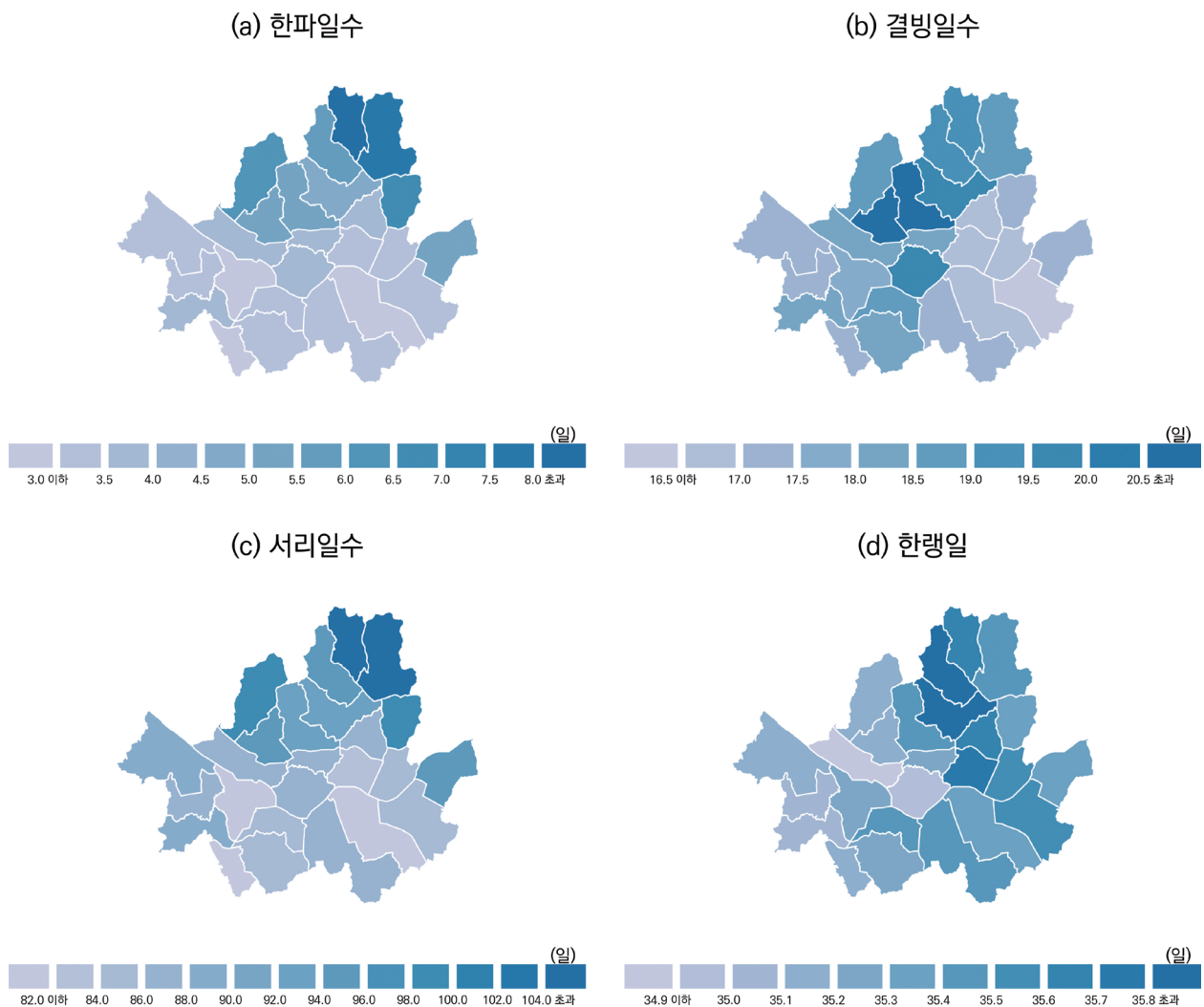
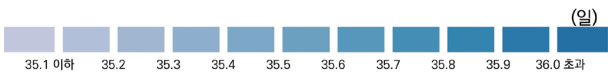
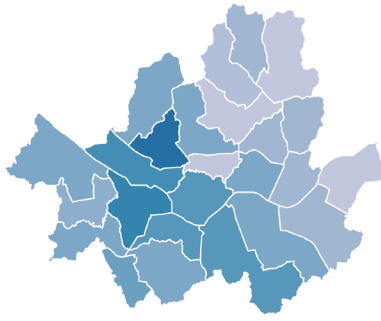
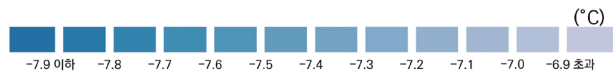
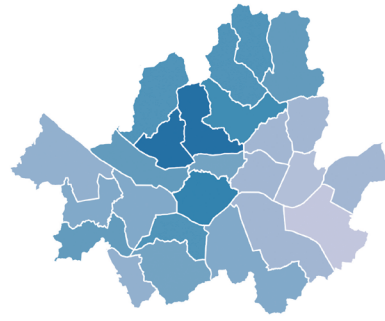


그림 3-3. 현재(2000-2019년) 서울특별시 저온 관련 극한기후지수 분포

(e) 한랭야



(f) 일최고기온 연최소



(g) 일최저기온 연최소

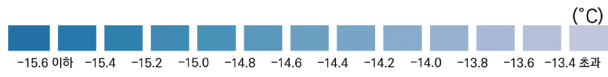
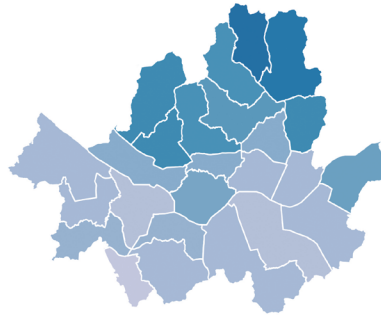


그림 3-3. 현재(2000-2019년) 서울특별시 저온 관련 극한기후지수 분포(계속)

표 3-6. 현재(2000-2019년) 서울특별시 저온 관련 극한기후지수

구분	한파일수 (일)	결빙일수 (일)	서리일수 (일)	한랭일 (일)	한랭야 (일)	일최고기온 연최소(°C)	일최저기온 연최소(°C)
서울특별시	4.4	18.2	89.8	35.4	35.5	-7.3	-14.2
강남구	3.0	17.0	81.8	35.4	35.5	-7.0	-13.4
강동구	5.3	17.1	94.3	35.4	35.1	-7.0	-14.5
강북구	5.9	19.5	95.7	35.9	35.2	-7.5	-14.9
강서구	3.5	17.4	89.1	35.2	35.5	-7.1	-13.7
관악구	3.3	18.3	85.1	35.3	35.5	-7.3	-13.6
광진구	3.3	16.9	84.2	35.6	35.3	-6.9	-13.7
구로구	3.6	18.3	88.1	35.1	35.5	-7.4	-13.8
금천구	3.0	17.5	81.8	35.2	35.6	-7.1	-13.3
노원구	7.9	18.8	104.2	35.5	35.1	-7.4	-15.5
도봉구	8.1	19.2	104.6	35.7	35.3	-7.5	-15.6
동대문구	3.8	16.9	87.5	35.7	35.3	-7.0	-14.0
동작구	3.5	18.9	85.3	35.5	35.7	-7.5	-13.8
마포구	3.9	18.2	87.6	34.9	35.8	-7.4	-14.1
서대문구	5.5	20.9	95.3	35.2	36.1	-7.9	-15.0
서초구	3.4	17.3	87.0	35.5	35.7	-7.2	-13.6
성동구	3.2	16.9	83.5	35.8	35.5	-7.0	-13.6
성북구	5.0	19.7	93.0	35.9	35.1	-7.6	-14.7
송파구	3.3	16.1	84.2	35.6	35.3	-6.8	-13.6
양천구	3.3	17.5	86.9	35.1	35.4	-7.2	-13.7
영등포구	2.9	17.7	80.4	35.3	35.9	-7.2	-13.4
용산구	3.9	19.6	87.6	35.0	35.7	-7.7	-14.2
은평구	6.3	18.9	98.1	35.2	35.5	-7.5	-15.0
종로구	5.2	21.0	93.0	35.5	35.5	-7.9	-14.9
중구	3.8	18.2	88.0	35.3	35.1	-7.3	-14.1
중랑구	6.7	17.5	99.1	35.4	35.3	-7.0	-15.0

### 3) 강수 극한기후지수

- 서울특별시 현재(2000-2019년) 호우일수는 2.7일로 우리나라 호우일수(2.4일)보다 0.3일 많고 도봉구(3.1일)에서 가장 많이 나타남.
- 서울특별시 현재(2000-2019년) 강수강도는 16.9mm/일로 우리나라 강수강도(16.4mm/일)보다 0.5mm/일 크고 도봉구(18.3mm/일)에서 가장 크게 나타남.
- 서울특별시 현재(2000-2019년) 1일/5일최다강수량은 139.7mm/261.6mm로 우리나라 1일/5일최다강수량(137.8mm/230.4mm)보다 1.9/31.2mm 많고 1일최다강수량은 강동구(145.8mm), 5일최다강수량은 도봉구(297.7mm)에서 가장 많이 나타남.

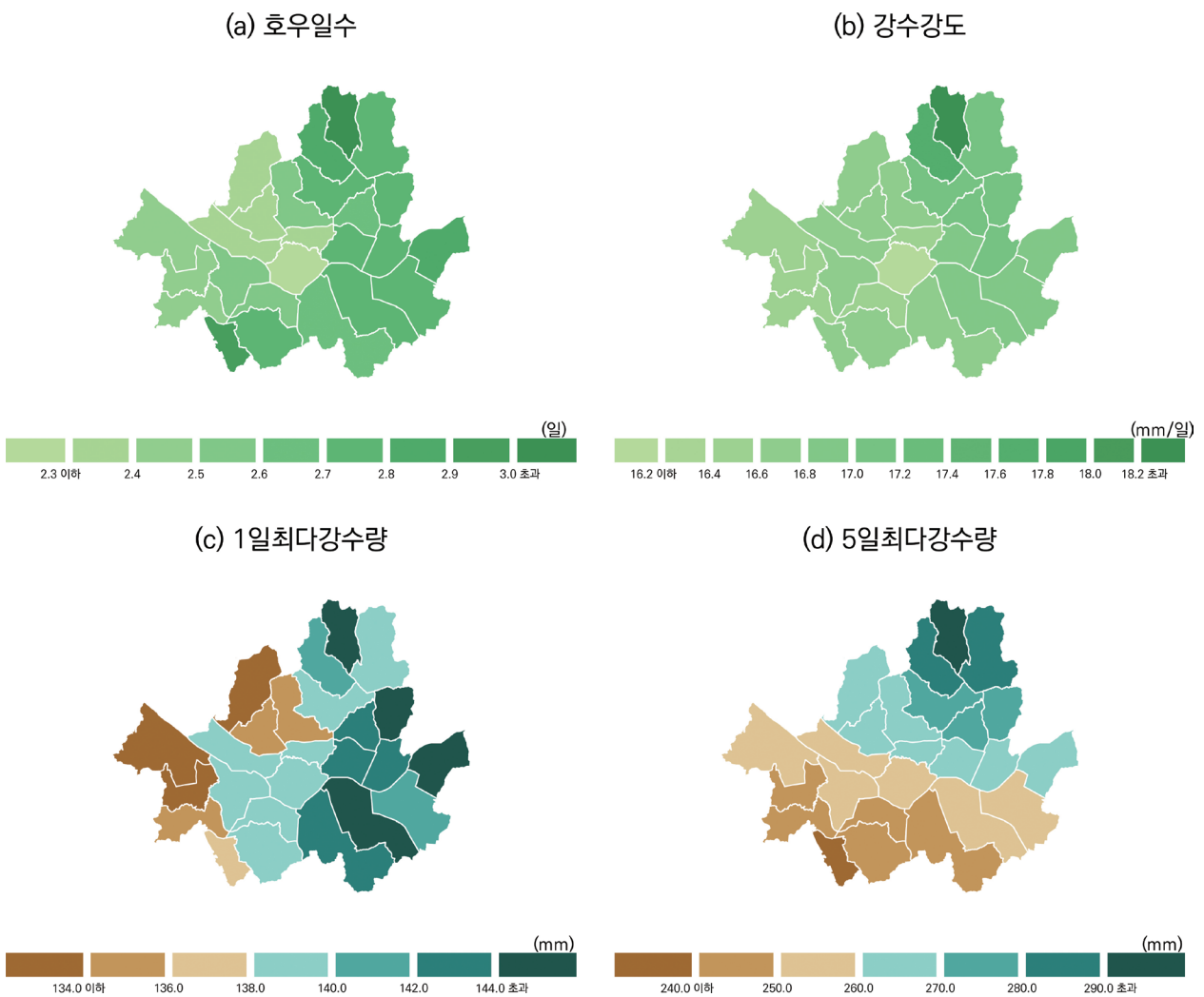
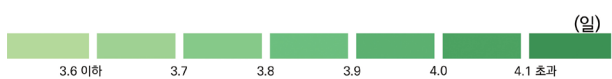
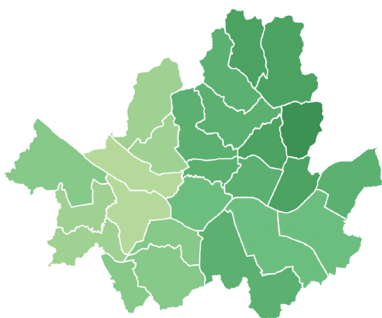
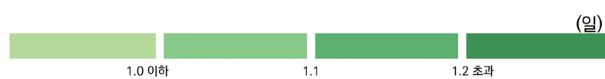
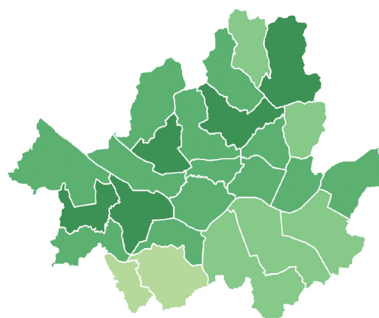


그림 3-4. 현재(2000-2019년) 서울특별시 강수 관련 극한기후지수 분포

(e) 95퍼센타일강수일수



(f) 99퍼센타일강수일수



(g) 최대무강수지속기간

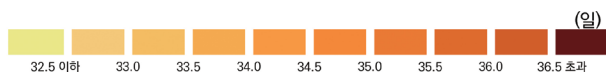
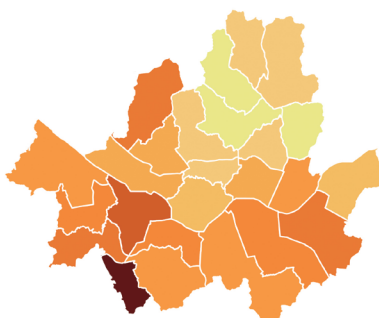


그림 3-4. 현재(2000-2019년) 서울특별시 강수 관련 극한기후지수 분포(계속)

표 3-7. 현재(2000-2019년) 서울특별시 강수 극한기후지수

구분	호우일수 (일)	강수강도 (mm/일)	1일최다 강수량 (mm)	5일최다 강수량 (mm)	95퍼센타일 강수일수 (일)	99퍼센타일 강수일수 (일)	최대무강수 지속기간 (일)
서울특별시	2.7	16.9	139.7	261.6	3.9	1.2	34.0
강남구	2.8	17.0	144.1	254.1	3.9	1.1	34.8
강동구	2.9	16.9	145.8	264.6	4.0	1.2	33.3
강북구	2.9	17.7	141.8	287.9	4.0	1.2	32.2
강서구	2.5	16.5	133.9	253.1	3.8	1.2	34.4
관악구	2.8	16.7	139.6	242.6	3.8	1.0	34.1
광진구	2.8	17.1	143.4	265.7	4.1	1.2	34.4
구로구	2.5	16.6	134.6	241.9	3.7	1.2	35.4
금천구	3.0	16.7	137.0	236.6	3.8	1.0	36.9
노원구	2.8	17.1	138.9	280.3	4.1	1.3	33.0
도봉구	3.1	18.3	144.2	297.7	4.1	1.1	32.7
동대문구	2.7	17.1	143.4	273.7	4.1	1.2	32.7
동작구	2.6	16.6	139.7	249.1	3.8	1.2	34.7
마포구	2.4	16.8	138.1	259.6	3.6	1.2	33.9
서대문구	2.4	16.7	135.5	264.6	3.7	1.3	33.6
서초구	2.7	16.7	142.2	247.1	4.0	1.1	34.1
성동구	2.8	16.9	143.0	262.8	4.0	1.2	33.9
성북구	2.8	17.2	139.3	279.5	4.0	1.3	32.2
송파구	2.8	16.9	141.6	253.5	3.9	1.1	35.2
양천구	2.5	16.6	133.8	249.5	3.7	1.3	35.0
영등포구	2.6	16.8	139.8	251.8	3.6	1.3	36.4
용산구	2.3	16.2	138.3	251.7	3.9	1.2	33.4
은평구	2.4	16.8	133.5	264.7	3.7	1.2	35.1
종로구	2.6	16.7	136.0	267.9	4.0	1.2	32.9
중구	2.4	16.6	139.6	261.5	4.0	1.2	33.0
종랑구	2.8	17.2	145.0	277.5	4.2	1.1	32.3



CHAPTER

04

# 서울특별시의 미래 기후변화 전망

1. 기후요소
2. 극한기후지수
3. 계절길이



서울특별시 기후변화 전망보고서 2023

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## CHAPTER 04

# 서울특별시의 미래 기후변화 전망



### 1. 기후요소

#### 1) 연평균기온

- SSP 시나리오에 따른 서울특별시 연평균기온은 현재(2000-2019년, 13.1°C) 대비 21세기 중반기에 1.7~3.1°C, 21세기 후반기에 2.4~6.7°C 상승할 것으로 전망됨.
  - SSP1-2.6 시나리오에서 서울특별시 연평균기온은 현재 대비 21세기 중반기에 1.7°C, 후반기에 2.4°C 상승할 것으로 전망됨.
  - SSP2-4.5 시나리오에서 서울특별시 연평균기온은 현재 대비 21세기 중반기에 2.3°C, 후반기에 3.7°C 상승할 것으로 전망됨.
  - SSP3-7.0 시나리오에서 서울특별시 연평균기온은 현재 대비 21세기 중반기에 2.9°C, 후반기에 5.7°C 상승할 것으로 전망됨.
  - SSP5-8.5 시나리오에서 서울특별시 연평균기온은 현재 대비 21세기 중반기에 3.1°C, 후반기에 6.7°C 상승할 것으로 전망됨.
- SSP5-8.5 시나리오에서 현재 대비 21세기 후반기 서울특별시 연평균기온 상승폭(+6.7°C)은 SSP1-2.6 시나리오에서의 상승폭(+2.4°C)보다 4.3°C 크게 나타남.
- 현재(2000-2019년) 서울특별시 연평균기온(13.1°C)은 우리나라 평균(12.6°C)보다 0.5°C 높으며 SSP5-8.5에서 21세기 후반기 서울특별시 연평균기온 상승폭(+6.7°C)은 우리나라 평균 상승폭(+6.3°C)보다 크게 나타남.

※ 제4장의 우리나라 평균 상승폭은 남한상세 기후변화 전망보고서(1km 격자)의 현재 대비 상승폭을 나타냄.

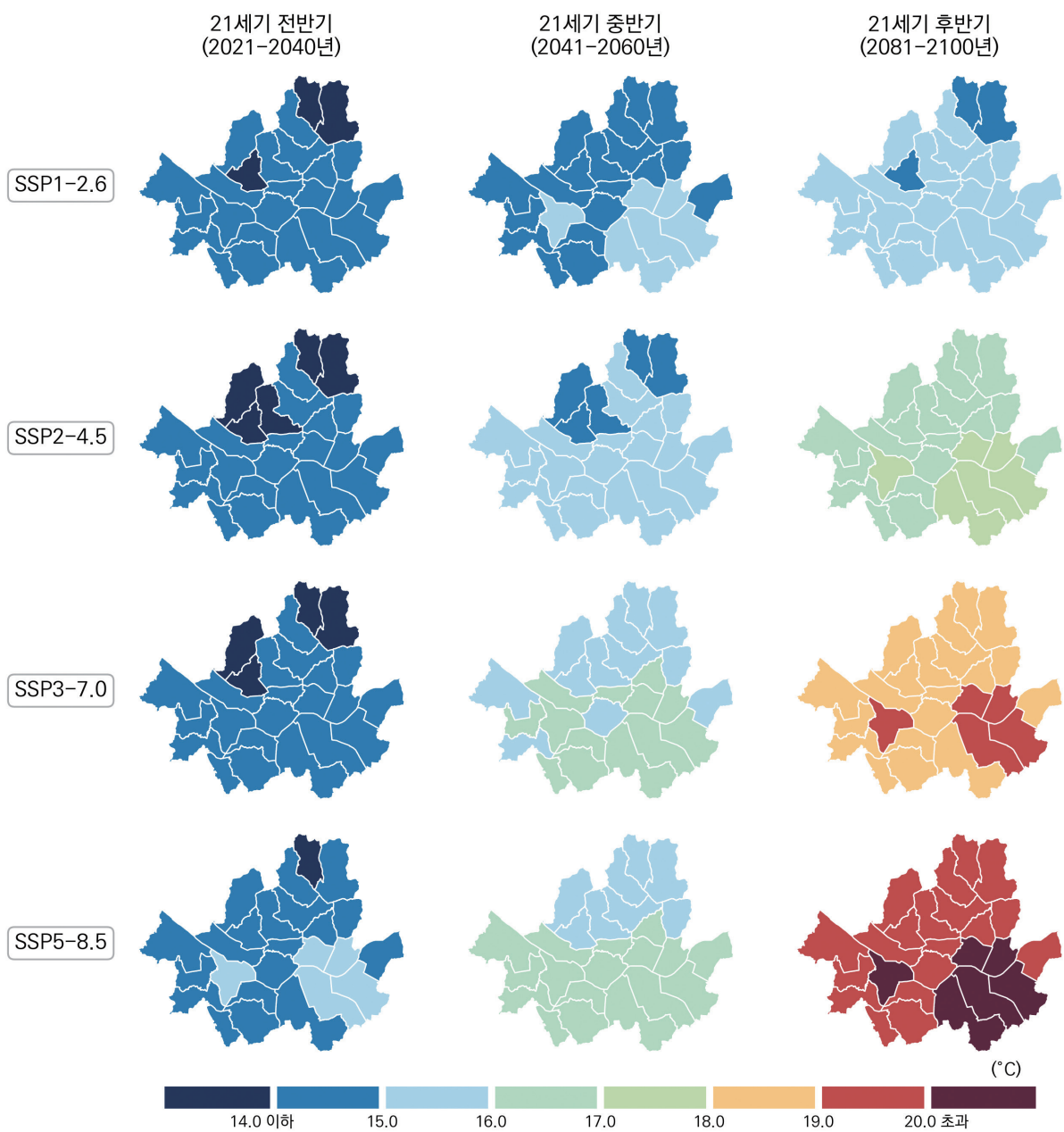


그림 4-1. 서울특별시의 연평균기온(°C) 전망 분포도

표 4-1. 서울특별시의 연평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	13.1	14.4	14.7	14.8	14.7	15.2	15.3	15.4	15.6	14.5	14.8	15.5
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.7	+2.4
강남구	13.6	14.8	15.2	15.3	15.2	15.7	15.8	15.9	16.0	15.0	15.2	16.0
		+1.2	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.4	+1.4	+1.6	+2.4
강동구	13.2	14.4	14.7	14.8	14.8	15.2	15.3	15.5	15.6	14.6	14.8	15.5
		+1.2	+1.5	+1.6	+1.6	+2.0	+2.1	+2.3	+2.4	+1.4	+1.6	+2.3
강북구	12.8	14.1	14.4	14.5	14.4	14.9	15.0	15.1	15.3	14.2	14.5	15.2
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.7	+2.4
강서구	13.2	14.4	14.8	14.8	14.8	15.3	15.4	15.5	15.6	14.6	14.8	15.6
		+1.2	+1.6	+1.6	+1.6	+2.1	+2.2	+2.3	+2.4	+1.4	+1.6	+2.4
관악구	13.2	14.4	14.8	14.9	14.8	15.3	15.4	15.5	15.7	14.6	14.8	15.6
		+1.2	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.6	+2.4
광진구	13.5	14.8	15.1	15.2	15.1	15.6	15.7	15.8	16.0	14.9	15.2	15.9
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.7	+2.4
구로구	13.2	14.4	14.8	14.9	14.8	15.3	15.4	15.5	15.7	14.6	14.8	15.6
		+1.2	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.6	+2.4
금천구	13.3	14.6	14.9	15.0	15.0	15.4	15.5	15.7	15.8	14.7	15.0	15.7
		+1.3	+1.6	+1.7	+1.7	+2.1	+2.2	+2.4	+2.5	+1.4	+1.7	+2.4
노원구	12.5	13.8	14.1	14.2	14.2	14.6	14.7	14.8	15.0	14.0	14.2	14.9
		+1.3	+1.6	+1.7	+1.7	+2.1	+2.2	+2.3	+2.5	+1.5	+1.7	+2.4
도봉구	12.5	13.7	14.0	14.1	14.1	14.5	14.6	14.8	14.9	13.9	14.1	14.8
		+1.2	+1.5	+1.6	+1.6	+2.0	+2.1	+2.3	+2.4	+1.4	+1.6	+2.3
동대문구	13.4	14.6	14.9	15.0	15.0	15.4	15.5	15.7	15.8	14.8	15.0	15.7
		+1.2	+1.5	+1.6	+1.6	+2.0	+2.1	+2.3	+2.4	+1.4	+1.6	+2.3
동작구	13.3	14.5	14.9	14.9	14.9	15.4	15.4	15.6	15.7	14.7	14.9	15.7
		+1.2	+1.6	+1.6	+1.6	+2.1	+2.1	+2.3	+2.4	+1.4	+1.6	+2.4
마포구	13.2	14.5	14.8	14.9	14.8	15.3	15.4	15.5	15.7	14.6	14.9	15.6
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.7	+2.4
서대문구	12.6	13.8	14.2	14.3	14.2	14.7	14.8	14.9	15.1	14.0	14.2	15.0
		+1.2	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.6	+2.4
서초구	13.4	14.7	15.0	15.1	15.0	15.5	15.6	15.7	15.9	14.8	15.1	15.8
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.7	+2.4
성동구	13.5	14.7	15.1	15.2	15.1	15.6	15.7	15.8	15.9	14.9	15.1	15.9
		+1.2	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.4	+1.4	+1.6	+2.4
성북구	12.9	14.2	14.5	14.6	14.5	15.0	15.1	15.2	15.4	14.3	14.5	15.3
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.6	+2.4
송파구	13.6	14.8	15.2	15.2	15.2	15.7	15.7	15.9	16.0	15.0	15.2	16.0
		+1.2	+1.6	+1.6	+1.6	+2.1	+2.1	+2.3	+2.4	+1.4	+1.6	+2.4
양천구	13.3	14.6	14.9	15.0	14.9	15.4	15.5	15.6	15.8	14.7	14.9	15.7
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.6	+2.4
영등포구	13.6	14.8	15.2	15.3	15.2	15.7	15.8	15.9	16.0	15.0	15.2	16.0
		+1.2	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.4	+1.4	+1.6	+2.4
용산구	13.1	14.4	14.7	14.8	14.7	15.2	15.3	15.4	15.6	14.5	14.8	15.5
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.7	+2.4
은평구	12.7	14.0	14.3	14.4	14.3	14.8	14.9	15.0	15.2	14.1	14.4	15.1
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.7	+2.4
종로구	12.7	14.0	14.3	14.4	14.3	14.8	14.9	15.0	15.2	14.1	14.4	15.1
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.7	+2.4
중구	13.2	14.5	14.8	14.9	14.8	15.3	15.4	15.5	15.7	14.6	14.8	15.6
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.6	+2.4
종량구	12.9	14.2	14.5	14.6	14.5	15.0	15.1	15.2	15.4	14.3	14.6	15.3
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.7	+2.4

표 4-2. 서울특별시의 연평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	13.1	14.5	14.4	15.2	15.6	16.2	16.2	16.8	16.9	14.4	15.4	16.8
		+1.4	+1.3	+2.1	+2.5	+3.1	+3.1	+3.7	+3.8	+1.3	+2.3	+3.7
강남구	13.6	14.9	14.8	15.7	16.0	16.7	16.7	17.2	17.3	14.9	15.9	17.3
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
강동구	13.2	14.5	14.4	15.3	15.6	16.3	16.2	16.8	16.9	14.4	15.4	16.8
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.0	+3.6	+3.7	+1.2	+2.2	+3.6
강북구	12.8	14.1	14.1	14.9	15.3	15.9	15.9	16.5	16.6	14.1	15.1	16.5
		+1.3	+1.3	+2.1	+2.5	+3.1	+3.1	+3.7	+3.8	+1.3	+2.3	+3.7
강서구	13.2	14.5	14.4	15.3	15.6	16.3	16.3	16.8	16.9	14.4	15.4	16.9
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.1	+3.6	+3.7	+1.2	+2.2	+3.7
관악구	13.2	14.5	14.4	15.3	15.6	16.3	16.3	16.8	17.0	14.5	15.5	16.9
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.1	+3.6	+3.8	+1.3	+2.3	+3.7
광진구	13.5	14.8	14.7	15.6	15.9	16.6	16.6	17.1	17.2	14.8	15.8	17.2
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
구로구	13.2	14.5	14.4	15.3	15.6	16.3	16.3	16.8	16.9	14.4	15.4	16.9
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.1	+3.6	+3.7	+1.2	+2.2	+3.7
금천구	13.3	14.7	14.6	15.4	15.8	16.4	16.4	17.0	17.1	14.6	15.6	17.0
		+1.4	+1.3	+2.1	+2.5	+3.1	+3.1	+3.7	+3.8	+1.3	+2.3	+3.7
노원구	12.5	13.9	13.8	14.7	15.0	15.6	15.6	16.2	16.3	13.8	14.8	16.2
		+1.4	+1.3	+2.2	+2.5	+3.1	+3.1	+3.7	+3.8	+1.3	+2.3	+3.7
도봉구	12.5	13.8	13.7	14.6	14.9	15.6	15.5	16.1	16.2	13.7	14.7	16.1
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.0	+3.6	+3.7	+1.2	+2.2	+3.6
동대문구	13.4	14.7	14.6	15.5	15.8	16.5	16.4	17.0	17.1	14.6	15.6	17.0
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.0	+3.6	+3.7	+1.2	+2.2	+3.6
동작구	13.3	14.6	14.5	15.4	15.7	16.4	16.3	16.9	17.0	14.5	15.5	17.0
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.0	+3.6	+3.7	+1.2	+2.2	+3.7
마포구	13.2	14.6	14.5	15.3	15.7	16.3	16.3	16.9	17.0	14.5	15.5	16.9
		+1.4	+1.3	+2.1	+2.5	+3.1	+3.1	+3.7	+3.8	+1.3	+2.3	+3.7
서대문구	12.6	13.9	13.8	14.7	15.0	15.7	15.7	16.2	16.3	13.9	14.9	16.3
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
서초구	13.4	14.7	14.7	15.5	15.9	16.5	16.5	17.0	17.2	14.7	15.7	17.1
		+1.3	+1.3	+2.1	+2.5	+3.1	+3.1	+3.6	+3.8	+1.3	+2.3	+3.7
성동구	13.5	14.8	14.7	15.6	15.9	16.6	16.6	17.1	17.2	14.8	15.8	17.2
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
성북구	12.9	14.2	14.1	15.0	15.3	16.0	16.0	16.5	16.6	14.2	15.2	16.6
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
송파구	13.6	14.9	14.8	15.7	16.0	16.7	16.6	17.2	17.3	14.8	15.8	17.3
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.0	+3.6	+3.7	+1.2	+2.2	+3.7
양천구	13.3	14.7	14.6	15.4	15.8	16.4	16.4	17.0	17.1	14.6	15.6	17.0
		+1.4	+1.3	+2.1	+2.5	+3.1	+3.1	+3.7	+3.8	+1.3	+2.3	+3.7
영등포구	13.6	14.9	14.8	15.7	16.0	16.7	16.7	17.2	17.3	14.9	15.8	17.3
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.1	+3.6	+3.7	+1.3	+2.2	+3.7
용산구	13.1	14.4	14.3	15.2	15.5	16.2	16.2	16.7	16.9	14.4	15.4	16.8
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.1	+3.6	+3.8	+1.3	+2.3	+3.7
은평구	12.7	14.1	13.9	14.8	15.2	15.8	15.8	16.4	16.5	14.0	15.0	16.4
		+1.4	+1.2	+2.1	+2.5	+3.1	+3.1	+3.7	+3.8	+1.3	+2.3	+3.7
종로구	12.7	14.0	14.0	14.8	15.2	15.8	15.8	16.4	16.5	14.0	15.0	16.4
		+1.3	+1.3	+2.1	+2.5	+3.1	+3.1	+3.7	+3.8	+1.3	+2.3	+3.7
중구	13.2	14.5	14.4	15.3	15.7	16.3	16.3	16.9	17.0	14.5	15.5	16.9
		+1.3	+1.2	+2.1	+2.5	+3.1	+3.1	+3.7	+3.8	+1.3	+2.3	+3.7
종랑구	12.9	14.2	14.2	15.0	15.4	16.0	16.0	16.6	16.7	14.2	15.2	16.6
		+1.3	+1.3	+2.1	+2.5	+3.1	+3.1	+3.7	+3.8	+1.3	+2.3	+3.7

표 4-3. 서울특별시의 연평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	13.1	14.1	14.8	15.7	16.3	17.0	17.3	18.4	19.2	14.5	16.0	18.8
		+1.0	+1.7	+2.6	+3.2	+3.9	+4.2	+5.3	+6.1	+1.4	+2.9	+5.7
강남구	13.6	14.6	15.3	16.2	16.8	17.4	17.8	18.9	19.6	15.0	16.5	19.2
		+1.0	+1.7	+2.6	+3.2	+3.8	+4.2	+5.3	+6.0	+1.4	+2.9	+5.6
강동구	13.2	14.1	14.9	15.7	16.3	17.0	17.4	18.4	19.2	14.5	16.0	18.8
		+0.9	+1.7	+2.5	+3.1	+3.8	+4.2	+5.2	+6.0	+1.3	+2.8	+5.6
강북구	12.8	13.8	14.5	15.4	16.0	16.7	17.0	18.1	18.9	14.1	15.7	18.5
		+1.0	+1.7	+2.6	+3.2	+3.9	+4.2	+5.3	+6.1	+1.3	+2.9	+5.7
강서구	13.2	14.1	14.9	15.7	16.3	17.0	17.4	18.5	19.2	14.5	16.0	18.8
		+0.9	+1.7	+2.5	+3.1	+3.8	+4.2	+5.3	+6.0	+1.3	+2.8	+5.6
관악구	13.2	14.2	14.9	15.8	16.4	17.0	17.4	18.5	19.2	14.5	16.1	18.8
		+1.0	+1.7	+2.6	+3.2	+3.8	+4.2	+5.3	+6.0	+1.3	+2.9	+5.6
광진구	13.5	14.5	15.2	16.1	16.7	17.3	17.7	18.8	19.5	14.8	16.4	19.1
		+1.0	+1.7	+2.6	+3.2	+3.8	+4.2	+5.3	+6.0	+1.3	+2.9	+5.6
구로구	13.2	14.1	14.9	15.7	16.3	17.0	17.4	18.5	19.2	14.5	16.0	18.8
		+0.9	+1.7	+2.5	+3.1	+3.8	+4.2	+5.3	+6.0	+1.3	+2.8	+5.6
금천구	13.3	14.3	15.0	15.9	16.5	17.2	17.5	18.6	19.3	14.6	16.2	19.0
		+1.0	+1.7	+2.6	+3.2	+3.9	+4.2	+5.3	+6.0	+1.3	+2.9	+5.7
노원구	12.5	13.5	14.2	15.1	15.7	16.4	16.8	17.8	18.6	13.9	15.4	18.2
		+1.0	+1.7	+2.6	+3.2	+3.9	+4.3	+5.3	+6.1	+1.4	+2.9	+5.7
도봉구	12.5	13.4	14.1	15.0	15.6	16.3	16.7	17.7	18.5	13.8	15.3	18.1
		+0.9	+1.6	+2.5	+3.1	+3.8	+4.2	+5.2	+6.0	+1.3	+2.8	+5.6
동대문구	13.4	14.3	15.1	15.9	16.5	17.2	17.6	18.6	19.4	14.7	16.2	19.0
		+0.9	+1.7	+2.5	+3.1	+3.8	+4.2	+5.2	+6.0	+1.3	+2.8	+5.6
동작구	13.3	14.2	15.0	15.8	16.4	17.1	17.5	18.6	19.3	14.6	16.1	18.9
		+0.9	+1.7	+2.5	+3.1	+3.8	+4.2	+5.3	+6.0	+1.3	+2.8	+5.6
마포구	13.2	14.2	14.9	15.8	16.4	17.1	17.4	18.5	19.3	14.6	16.1	18.9
		+1.0	+1.7	+2.6	+3.2	+3.9	+4.2	+5.3	+6.1	+1.4	+2.9	+5.7
서대문구	12.6	13.5	14.3	15.2	15.8	16.4	16.8	17.9	18.6	13.9	15.5	18.3
		+0.9	+1.7	+2.6	+3.2	+3.8	+4.2	+5.3	+6.0	+1.3	+2.9	+5.7
서초구	13.4	14.4	15.1	16.0	16.6	17.3	17.6	18.7	19.4	14.8	16.3	19.0
		+1.0	+1.7	+2.6	+3.2	+3.9	+4.2	+5.3	+6.0	+1.4	+2.9	+5.6
성동구	13.5	14.5	15.2	16.1	16.7	17.3	17.7	18.8	19.5	14.8	16.4	19.1
		+1.0	+1.7	+2.6	+3.2	+3.8	+4.2	+5.3	+6.0	+1.3	+2.9	+5.6
성북구	12.9	13.9	14.6	15.5	16.1	16.7	17.1	18.2	18.9	14.2	15.8	18.6
		+1.0	+1.7	+2.6	+3.2	+3.8	+4.2	+5.3	+6.0	+1.3	+2.9	+5.7
송파구	13.6	14.6	15.3	16.2	16.7	17.4	17.8	18.8	19.6	14.9	16.4	19.2
		+1.0	+1.7	+2.6	+3.1	+3.8	+4.2	+5.2	+6.0	+1.3	+2.8	+5.6
양천구	13.3	14.3	15.0	15.9	16.5	17.1	17.5	18.6	19.3	14.6	16.2	19.0
		+1.0	+1.7	+2.6	+3.2	+3.8	+4.2	+5.3	+6.0	+1.3	+2.9	+5.7
영등포구	13.6	14.5	15.3	16.1	16.8	17.4	17.8	18.9	19.6	14.9	16.5	19.2
		+0.9	+1.7	+2.5	+3.2	+3.8	+4.2	+5.3	+6.0	+1.3	+2.9	+5.6
용산구	13.1	14.1	14.8	15.7	16.3	16.9	17.3	18.4	19.1	14.4	16.0	18.8
		+1.0	+1.7	+2.6	+3.2	+3.8	+4.2	+5.3	+6.0	+1.3	+2.9	+5.7
은평구	12.7	13.7	14.4	15.3	15.9	16.6	16.9	18.0	18.8	14.0	15.6	18.4
		+1.0	+1.7	+2.6	+3.2	+3.9	+4.2	+5.3	+6.1	+1.3	+2.9	+5.7
종로구	12.7	13.7	14.4	15.3	15.9	16.6	16.9	18.0	18.8	14.1	15.6	18.4
		+1.0	+1.7	+2.6	+3.2	+3.9	+4.2	+5.3	+6.1	+1.4	+2.9	+5.7
중구	13.2	14.2	14.9	15.8	16.4	17.0	17.4	18.5	19.3	14.5	16.1	18.9
		+1.0	+1.7	+2.6	+3.2	+3.8	+4.2	+5.3	+6.1	+1.3	+2.9	+5.7
종량구	12.9	13.9	14.6	15.5	16.1	16.8	17.1	18.2	19.0	14.3	15.8	18.6
		+1.0	+1.7	+2.6	+3.2	+3.9	+4.2	+5.3	+6.1	+1.4	+2.9	+5.7

표 4-4. 서울특별시의 연평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	13.1	14.4	15.0	16.0	16.4	17.6	18.3	19.4	20.2	14.7	16.2	19.8
		+1.3	+1.9	+2.9	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.1	+6.7
강남구	13.6	14.9	15.5	16.4	16.9	18.1	18.7	19.8	20.7	15.2	16.6	20.2
		+1.3	+1.9	+2.8	+3.3	+4.5	+5.1	+6.2	+7.1	+1.6	+3.0	+6.6
강동구	13.2	14.4	15.0	16.0	16.4	17.6	18.3	19.4	20.2	14.7	16.2	19.8
		+1.2	+1.8	+2.8	+3.2	+4.4	+5.1	+6.2	+7.0	+1.5	+3.0	+6.6
강북구	12.8	14.1	14.7	15.7	16.1	17.3	18.0	19.1	19.9	14.4	15.9	19.5
		+1.3	+1.9	+2.9	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.1	+6.7
강서구	13.2	14.5	15.0	16.0	16.4	17.7	18.3	19.4	20.3	14.7	16.2	19.8
		+1.3	+1.8	+2.8	+3.2	+4.5	+5.1	+6.2	+7.1	+1.5	+3.0	+6.6
관악구	13.2	14.5	15.0	16.0	16.5	17.7	18.3	19.4	20.3	14.8	16.2	19.8
		+1.3	+1.8	+2.8	+3.3	+4.5	+5.1	+6.2	+7.1	+1.6	+3.0	+6.6
광진구	13.5	14.8	15.3	16.3	16.8	18.0	18.6	19.7	20.6	15.1	16.5	20.2
		+1.3	+1.8	+2.8	+3.3	+4.5	+5.1	+6.2	+7.1	+1.6	+3.0	+6.7
구로구	13.2	14.4	15.0	16.0	16.4	17.7	18.3	19.4	20.3	14.7	16.2	19.8
		+1.2	+1.8	+2.8	+3.2	+4.5	+5.1	+6.2	+7.1	+1.5	+3.0	+6.6
금천구	13.3	14.6	15.2	16.2	16.6	17.8	18.5	19.6	20.4	14.9	16.4	20.0
		+1.3	+1.9	+2.9	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.1	+6.7
노원구	12.5	13.8	14.4	15.4	15.8	17.0	17.7	18.8	19.6	14.1	15.6	19.2
		+1.3	+1.9	+2.9	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.1	+6.7
도봉구	12.5	13.7	14.3	15.3	15.7	17.0	17.6	18.7	19.5	14.0	15.5	19.1
		+1.2	+1.8	+2.8	+3.2	+4.5	+5.1	+6.2	+7.0	+1.5	+3.0	+6.6
동대문구	13.4	14.6	15.2	16.2	16.6	17.9	18.5	19.6	20.4	14.9	16.4	20.0
		+1.2	+1.8	+2.8	+3.2	+4.5	+5.1	+6.2	+7.0	+1.5	+3.0	+6.6
동작구	13.3	14.5	15.1	16.1	16.5	17.7	18.4	19.5	20.3	14.8	16.3	19.9
		+1.2	+1.8	+2.8	+3.2	+4.4	+5.1	+6.2	+7.0	+1.5	+3.0	+6.6
마포구	13.2	14.5	15.1	16.1	16.5	17.7	18.4	19.5	20.3	14.8	16.3	19.9
		+1.3	+1.9	+2.9	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.1	+6.7
서대문구	12.6	13.9	14.4	15.4	15.9	17.1	17.7	18.9	19.7	14.2	15.7	19.3
		+1.3	+1.8	+2.8	+3.3	+4.5	+5.1	+6.3	+7.1	+1.6	+3.1	+6.7
서초구	13.4	14.7	15.3	16.2	16.7	17.9	18.5	19.6	20.5	15.0	16.5	20.1
		+1.3	+1.9	+2.8	+3.3	+4.5	+5.1	+6.2	+7.1	+1.6	+3.1	+6.7
성동구	13.5	14.8	15.3	16.3	16.7	18.0	18.6	19.7	20.6	15.1	16.5	20.1
		+1.3	+1.8	+2.8	+3.2	+4.5	+5.1	+6.2	+7.1	+1.6	+3.0	+6.6
성북구	12.9	14.2	14.7	15.7	16.2	17.4	18.1	19.2	20.0	14.5	15.9	19.6
		+1.3	+1.8	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.0	+6.7
송파구	13.6	14.9	15.4	16.4	16.8	18.1	18.7	19.8	20.6	15.1	16.6	20.2
		+1.3	+1.8	+2.8	+3.2	+4.5	+5.1	+6.2	+7.0	+1.5	+3.0	+6.6
양천구	13.3	14.6	15.1	16.1	16.6	17.8	18.4	19.6	20.4	14.9	16.4	20.0
		+1.3	+1.8	+2.8	+3.3	+4.5	+5.1	+6.3	+7.1	+1.6	+3.1	+6.7
영등포구	13.6	14.8	15.4	16.4	16.9	18.1	18.7	19.8	20.7	15.1	16.6	20.2
		+1.2	+1.8	+2.8	+3.3	+4.5	+5.1	+6.2	+7.1	+1.5	+3.0	+6.6
용산구	13.1	14.4	14.9	15.9	16.4	17.6	18.2	19.4	20.2	14.7	16.1	19.8
		+1.3	+1.8	+2.8	+3.3	+4.5	+5.1	+6.3	+7.1	+1.6	+3.0	+6.7
은평구	12.7	14.0	14.6	15.6	16.0	17.2	17.9	19.0	19.8	14.3	15.8	19.4
		+1.3	+1.9	+2.9	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.1	+6.7
종로구	12.7	14.0	14.6	15.5	16.0	17.2	17.9	19.0	19.8	14.3	15.8	19.4
		+1.3	+1.9	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.1	+6.7
중구	13.2	14.5	15.1	16.0	16.5	17.7	18.3	19.5	20.3	14.8	16.2	19.9
		+1.3	+1.9	+2.8	+3.3	+4.5	+5.1	+6.3	+7.1	+1.6	+3.0	+6.7
종랑구	12.9	14.2	14.8	15.8	16.2	17.4	18.1	19.2	20.0	14.5	16.0	19.6
		+1.3	+1.9	+2.9	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.1	+6.7

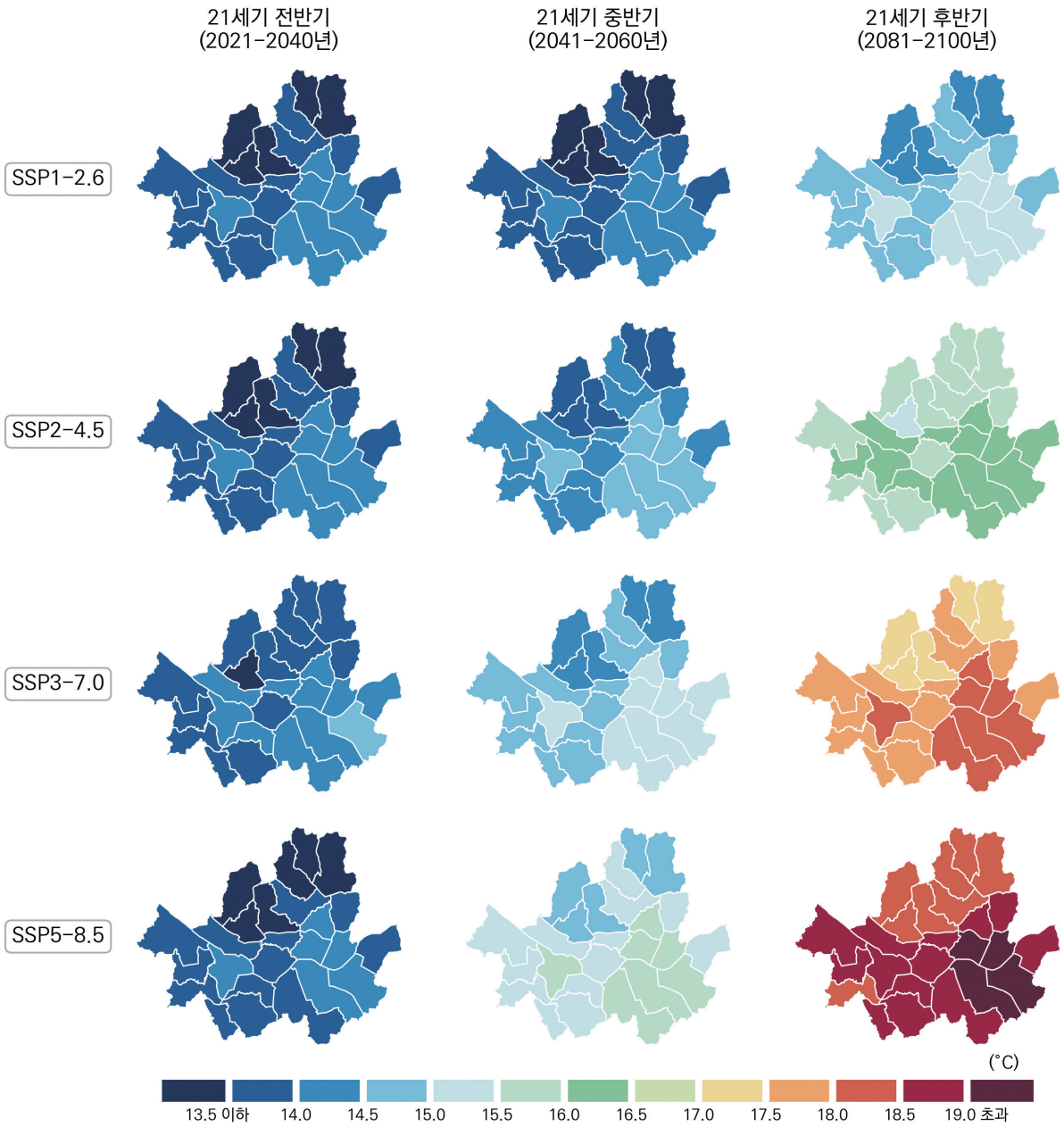


그림 4-2. 서울특별시의 봄철 연평균기온(°C) 전망 분포도



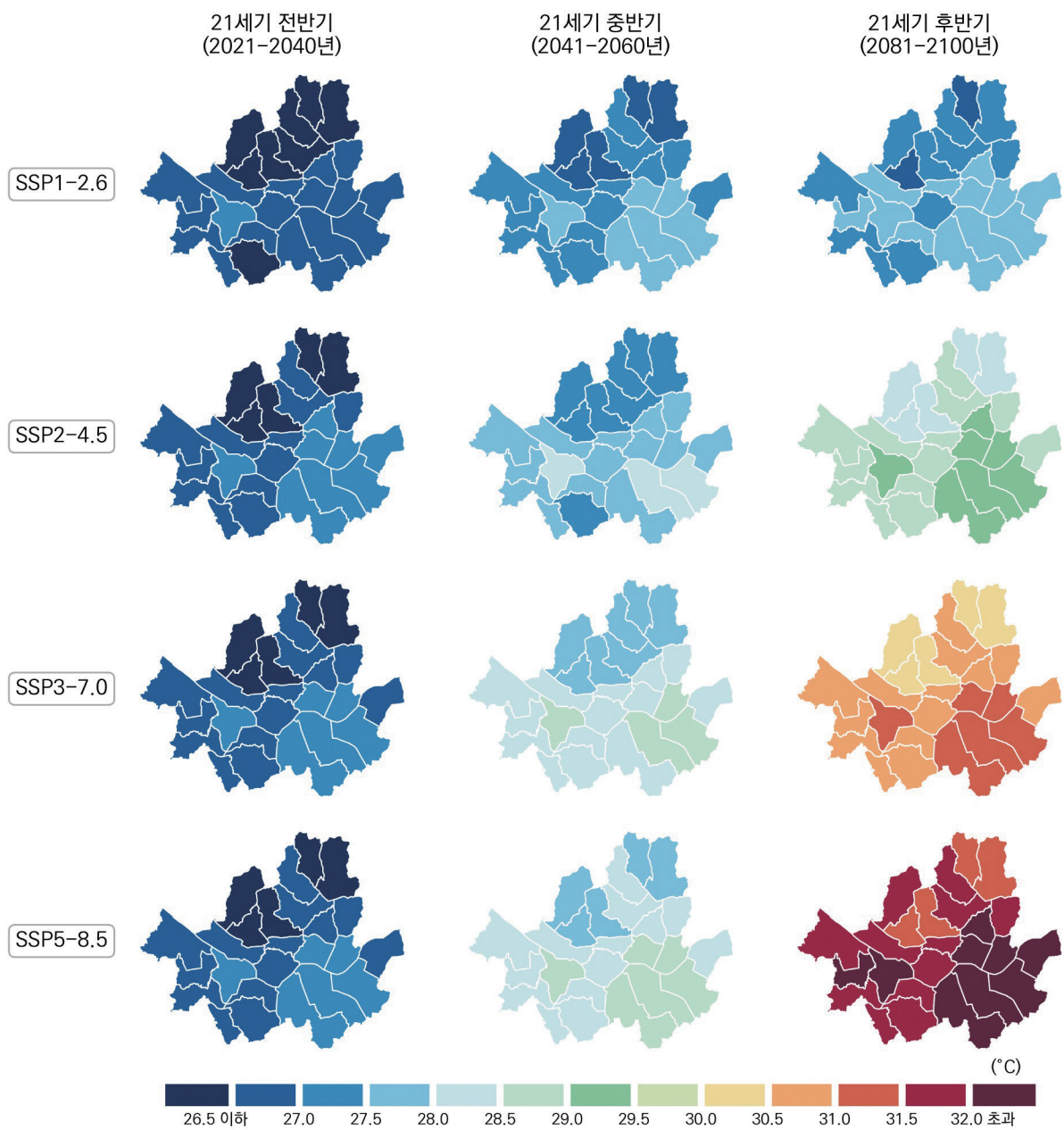


그림 4-3. 서울특별시의 여름철 연평균기온(°C) 전망 분포도

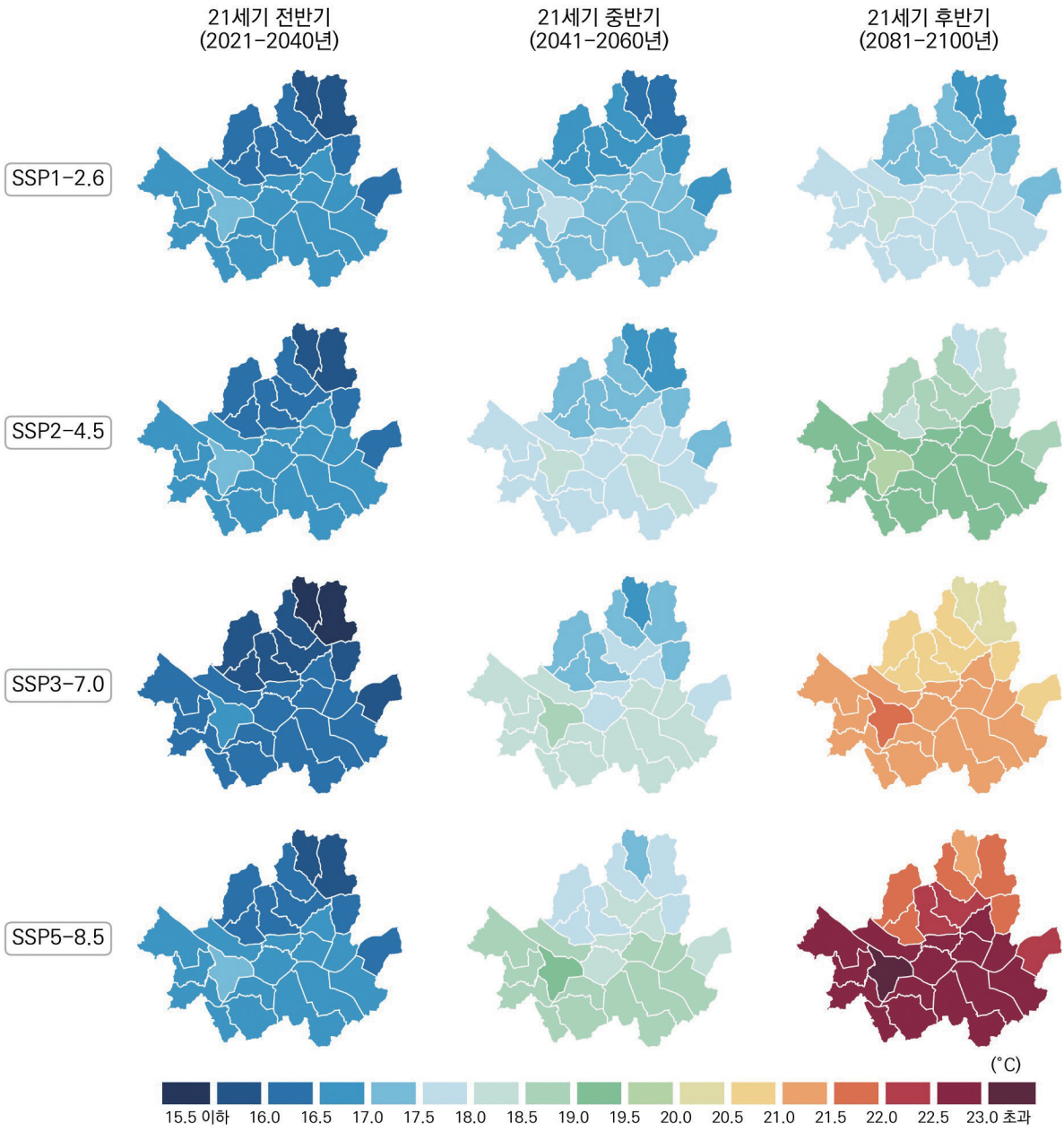


그림 4-4. 서울특별시의 가을철 연평균기온(°C) 전망 분포도

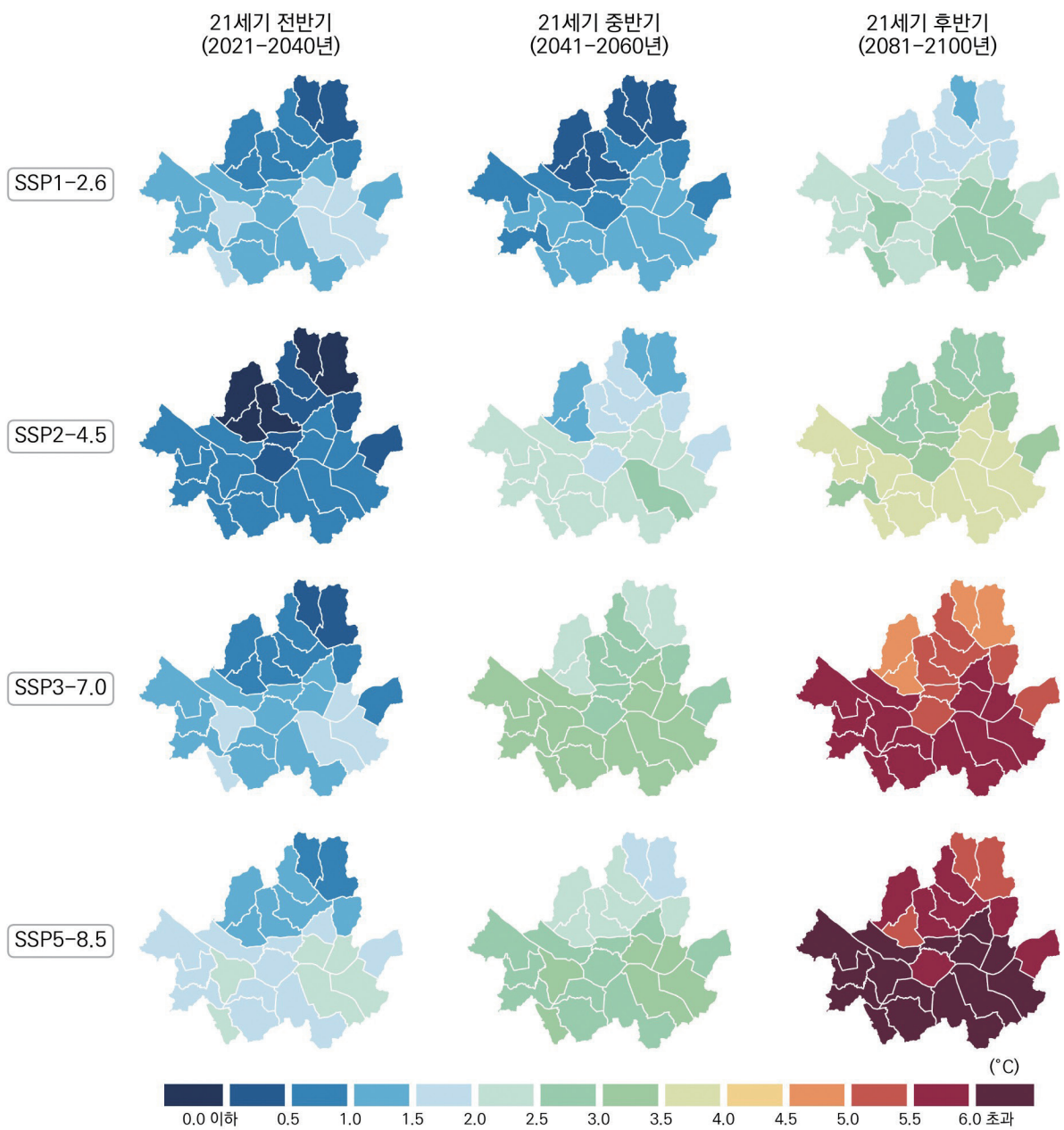


그림 4-5. 서울특별시의 겨울철 연평균기온(°C) 전망 분포도

표 4-5. 서울특별시의 계절별 평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	13.8	26.6	16.6	1.2	13.8	27.3	17.1	0.9	14.8	27.5	17.5	2.3
	+1.1	+1.5	+1.6	+1.5	+1.1	+2.2	+2.1	+1.2	+2.1	+2.4	+2.5	+2.6
강남구	14.3	27.0	17.0	1.8	14.3	27.7	17.5	1.4	15.3	27.9	18.0	2.8
	+1.1	+1.5	+1.5	+1.6	+1.1	+2.2	+2.0	+1.2	+2.1	+2.4	+2.5	+2.6
강동구	14.0	26.8	16.4	1.1	14.0	27.5	16.9	0.8	15.0	27.7	17.3	2.2
	+1.1	+1.5	+1.5	+1.5	+1.1	+2.2	+2.0	+1.2	+2.1	+2.4	+2.4	+2.6
강북구	13.6	26.4	16.1	0.8	13.6	27.1	16.6	0.5	14.6	27.3	17.1	1.9
	+1.1	+1.5	+1.5	+1.5	+1.1	+2.2	+2.0	+1.2	+2.1	+2.4	+2.5	+2.6
강서구	13.7	26.7	16.8	1.3	13.7	27.3	17.3	1.0	14.7	27.5	17.7	2.4
	+1.1	+1.5	+1.6	+1.5	+1.1	+2.1	+2.1	+1.2	+2.1	+2.3	+2.5	+2.6
관악구	13.8	26.5	16.8	1.5	13.8	27.2	17.3	1.2	14.8	27.4	17.7	2.5
	+1.2	+1.5	+1.6	+1.5	+1.2	+2.2	+2.1	+1.2	+2.2	+2.4	+2.5	+2.5
광진구	14.2	27.0	16.8	1.6	14.3	27.7	17.4	1.3	15.2	27.8	17.8	2.7
	+1.1	+1.5	+1.5	+1.5	+1.2	+2.2	+2.1	+1.2	+2.1	+2.3	+2.5	+2.6
구로구	13.7	26.7	16.8	1.3	13.7	27.3	17.3	1.0	14.7	27.5	17.7	2.4
	+1.1	+1.5	+1.6	+1.5	+1.1	+2.1	+2.1	+1.2	+2.1	+2.3	+2.5	+2.6
금천구	13.8	26.6	17.0	1.7	13.8	27.2	17.5	1.4	14.8	27.5	17.9	2.7
	+1.2	+1.5	+1.6	+1.5	+1.2	+2.1	+2.1	+1.2	+2.2	+2.4	+2.5	+2.5
노원구	13.3	26.2	15.7	0.5	13.4	26.9	16.2	0.2	14.4	27.1	16.7	1.6
	+1.1	+1.5	+1.5	+1.5	+1.2	+2.2	+2.0	+1.2	+2.2	+2.4	+2.5	+2.6
도봉구	13.3	26.1	15.6	0.5	13.3	26.8	16.1	0.2	14.3	27.0	16.6	1.5
	+1.1	+1.5	+1.5	+1.5	+1.1	+2.2	+2.0	+1.2	+2.1	+2.4	+2.5	+2.5
동대문구	14.1	26.9	16.7	1.5	14.1	27.5	17.2	1.1	15.1	27.7	17.6	2.5
	+1.1	+1.5	+1.6	+1.6	+1.1	+2.1	+2.1	+1.2	+2.1	+2.3	+2.5	+2.6
동작구	13.8	26.7	16.9	1.4	13.8	27.4	17.4	1.1	14.8	27.6	17.8	2.4
	+1.1	+1.5	+1.6	+1.5	+1.1	+2.2	+2.1	+1.2	+2.1	+2.4	+2.5	+2.5
마포구	13.8	26.7	16.8	1.3	13.8	27.3	17.3	1.0	14.8	27.6	17.8	2.4
	+1.1	+1.5	+1.6	+1.5	+1.1	+2.1	+2.1	+1.2	+2.1	+2.4	+2.6	+2.6
서대문구	13.2	26.1	16.1	0.7	13.2	26.7	16.6	0.4	14.2	26.9	17.1	1.8
	+1.1	+1.5	+1.5	+1.5	+1.1	+2.1	+2.0	+1.2	+2.1	+2.3	+2.5	+2.6
서초구	14.1	26.9	16.8	1.5	14.1	27.6	17.4	1.2	15.1	27.8	17.8	2.6
	+1.1	+1.4	+1.5	+1.5	+1.1	+2.1	+2.1	+1.2	+2.1	+2.3	+2.5	+2.6
성동구	14.2	26.9	16.9	1.6	14.2	27.6	17.4	1.3	15.2	27.8	17.9	2.7
	+1.1	+1.5	+1.5	+1.5	+1.1	+2.2	+2.0	+1.2	+2.1	+2.4	+2.5	+2.6
성북구	13.6	26.4	16.3	0.9	13.6	27.1	16.8	0.6	14.6	27.3	17.2	2.0
	+1.1	+1.4	+1.6	+1.4	+1.1	+2.1	+2.1	+1.1	+2.1	+2.3	+2.5	+2.5
송파구	14.3	27.0	16.9	1.7	14.3	27.7	17.4	1.4	15.3	27.9	17.9	2.8
	+1.1	+1.4	+1.5	+1.5	+1.1	+2.1	+2.0	+1.2	+2.1	+2.3	+2.5	+2.6
양천구	13.8	26.8	16.9	1.4	13.8	27.5	17.4	1.1	14.8	27.7	17.9	2.5
	+1.1	+1.5	+1.5	+1.5	+1.1	+2.2	+2.0	+1.2	+2.1	+2.4	+2.5	+2.6
영등포구	14.1	27.1	17.2	1.7	14.1	27.7	17.8	1.4	15.1	27.9	18.2	2.8
	+1.1	+1.5	+1.5	+1.5	+1.1	+2.1	+2.1	+1.2	+2.1	+2.3	+2.5	+2.6
용산구	13.7	26.6	16.7	1.2	13.7	27.2	17.2	0.9	14.7	27.5	17.6	2.2
	+1.1	+1.5	+1.6	+1.6	+1.1	+2.1	+2.1	+1.3	+2.1	+2.4	+2.5	+2.6
은평구	13.4	26.3	16.1	0.7	13.4	27.0	16.6	0.4	14.4	27.2	17.1	1.8
	+1.1	+1.5	+1.5	+1.5	+1.1	+2.2	+2.0	+1.2	+2.1	+2.4	+2.5	+2.6
종로구	13.4	26.2	16.2	0.8	13.4	26.9	16.7	0.5	14.4	27.1	17.1	1.9
	+1.1	+1.5	+1.6	+1.5	+1.1	+2.2	+2.1	+1.2	+2.1	+2.4	+2.5	+2.6
중구	13.9	26.7	16.7	1.3	13.9	27.4	17.2	1.0	14.9	27.6	17.6	2.3
	+1.1	+1.5	+1.6	+1.5	+1.1	+2.2	+2.1	+1.2	+2.1	+2.4	+2.5	+2.5
종랑구	13.8	26.6	16.1	0.9	13.8	27.3	16.6	0.6	14.8	27.4	17.1	2.0
	+1.1	+1.5	+1.5	+1.5	+1.1	+2.2	+2.0	+1.2	+2.1	+2.3	+2.5	+2.6

표 4-6. 서울특별시의 계절별 평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	13.8	26.9	16.5	0.5	14.3	27.7	17.6	2.0	16.0	28.8	19.0	3.4
	+1.1	+1.8	+1.5	+0.8	+1.6	+2.6	+2.6	+2.3	+3.3	+3.7	+4.0	+3.7
강남구	14.3	27.3	17.0	1.0	14.8	28.1	18.1	2.6	16.5	29.3	19.4	4.0
	+1.1	+1.8	+1.5	+0.8	+1.6	+2.6	+2.6	+2.4	+3.3	+3.8	+3.9	+3.8
강동구	14.0	27.1	16.3	0.4	14.5	27.8	17.4	1.9	16.2	29.0	18.8	3.3
	+1.1	+1.8	+1.4	+0.8	+1.6	+2.5	+2.5	+2.3	+3.3	+3.7	+3.9	+3.7
강북구	13.6	26.7	16.1	0.1	14.1	27.5	17.2	1.6	15.8	28.6	18.6	3.0
	+1.1	+1.8	+1.5	+0.8	+1.6	+2.6	+2.6	+2.3	+3.3	+3.7	+4.0	+3.7
강서구	13.7	26.9	16.7	0.6	14.3	27.7	17.8	2.1	15.9	28.9	19.2	3.6
	+1.1	+1.7	+1.5	+0.8	+1.7	+2.5	+2.6	+2.3	+3.3	+3.7	+4.0	+3.8
관악구	13.8	26.7	16.7	0.7	14.3	27.5	17.8	2.3	16.0	28.7	19.2	3.7
	+1.2	+1.7	+1.5	+0.7	+1.7	+2.5	+2.6	+2.3	+3.4	+3.7	+4.0	+3.7
광진구	14.3	27.2	16.8	0.9	14.8	28.0	17.9	2.4	16.5	29.2	19.3	3.8
	+1.2	+1.7	+1.5	+0.8	+1.7	+2.5	+2.6	+2.3	+3.4	+3.7	+4.0	+3.7
구로구	13.7	26.9	16.7	0.6	14.2	27.7	17.8	2.1	15.9	28.9	19.2	3.5
	+1.1	+1.7	+1.5	+0.8	+1.6	+2.5	+2.6	+2.3	+3.3	+3.7	+4.0	+3.7
금천구	13.8	26.8	16.9	0.9	14.3	27.6	18.0	2.4	16.0	28.8	19.4	3.9
	+1.2	+1.7	+1.5	+0.7	+1.7	+2.5	+2.6	+2.2	+3.4	+3.7	+4.0	+3.7
노원구	13.3	26.5	15.7	-0.3	13.9	27.3	16.8	1.3	15.6	28.4	18.2	2.7
	+1.1	+1.8	+1.5	+0.7	+1.7	+2.6	+2.6	+2.3	+3.4	+3.7	+4.0	+3.7
도봉구	13.3	26.4	15.6	-0.3	13.9	27.1	16.7	1.3	15.6	28.3	18.0	2.7
	+1.1	+1.8	+1.5	+0.7	+1.7	+2.5	+2.6	+2.3	+3.4	+3.7	+3.9	+3.7
동대문구	14.1	27.1	16.6	0.7	14.7	27.9	17.7	2.3	16.3	29.1	19.1	3.7
	+1.1	+1.7	+1.5	+0.8	+1.7	+2.5	+2.6	+2.4	+3.3	+3.7	+4.0	+3.8
동작구	13.8	27.0	16.8	0.6	14.4	27.8	17.9	2.2	16.1	28.9	19.3	3.6
	+1.1	+1.8	+1.5	+0.7	+1.7	+2.6	+2.6	+2.3	+3.4	+3.7	+4.0	+3.7
마포구	13.8	26.9	16.7	0.6	14.4	27.7	17.8	2.1	16.1	28.9	19.2	3.5
	+1.1	+1.7	+1.5	+0.8	+1.7	+2.5	+2.6	+2.3	+3.4	+3.7	+4.0	+3.7
서대문구	13.2	26.3	16.1	-0.1	13.8	27.1	17.1	1.5	15.5	28.3	18.5	2.9
	+1.1	+1.7	+1.5	+0.7	+1.7	+2.5	+2.5	+2.3	+3.4	+3.7	+3.9	+3.7
서초구	14.1	27.2	16.8	0.8	14.6	28.0	17.9	2.3	16.3	29.2	19.3	3.7
	+1.1	+1.7	+1.5	+0.8	+1.6	+2.5	+2.6	+2.3	+3.3	+3.7	+4.0	+3.7
성동구	14.2	27.2	16.9	0.9	14.7	28.0	17.9	2.4	16.4	29.1	19.3	3.9
	+1.1	+1.8	+1.5	+0.8	+1.6	+2.6	+2.5	+2.3	+3.3	+3.7	+3.9	+3.8
성북구	13.6	26.7	16.2	0.2	14.2	27.5	17.3	1.8	15.8	28.6	18.7	3.2
	+1.1	+1.7	+1.5	+0.7	+1.7	+2.5	+2.6	+2.3	+3.3	+3.6	+4.0	+3.7
송파구	14.3	27.3	16.9	0.9	14.9	28.1	18.0	2.5	16.5	29.3	19.3	3.9
	+1.1	+1.7	+1.5	+0.7	+1.7	+2.5	+2.6	+2.3	+3.3	+3.7	+3.9	+3.7
양천구	13.8	27.0	16.9	0.7	14.4	27.8	17.9	2.2	16.1	29.0	19.3	3.7
	+1.1	+1.7	+1.5	+0.8	+1.7	+2.5	+2.5	+2.3	+3.4	+3.7	+3.9	+3.8
영등포구	14.1	27.3	17.2	0.9	14.7	28.1	18.3	2.5	16.3	29.3	19.7	3.9
	+1.1	+1.7	+1.5	+0.7	+1.7	+2.5	+2.6	+2.3	+3.3	+3.7	+4.0	+3.7
용산구	13.7	26.8	16.6	0.4	14.3	27.6	17.7	2.0	15.9	28.8	19.1	3.4
	+1.1	+1.7	+1.5	+0.8	+1.7	+2.5	+2.6	+2.4	+3.3	+3.7	+4.0	+3.8
은평구	13.4	26.5	16.1	0.0	14.0	27.3	17.2	1.5	15.6	28.5	18.6	3.0
	+1.1	+1.7	+1.5	+0.8	+1.7	+2.5	+2.6	+2.3	+3.3	+3.7	+4.0	+3.8
종로구	13.4	26.4	16.1	0.0	13.9	27.2	17.2	1.6	15.6	28.4	18.6	3.0
	+1.1	+1.7	+1.5	+0.7	+1.6	+2.5	+2.6	+2.3	+3.3	+3.7	+4.0	+3.7
중구	13.9	26.9	16.6	0.5	14.4	27.7	17.7	2.1	16.1	28.9	19.1	3.5
	+1.1	+1.7	+1.5	+0.7	+1.6	+2.5	+2.6	+2.3	+3.3	+3.7	+4.0	+3.7
종량구	13.8	26.8	16.1	0.2	14.3	27.6	17.2	1.7	16.0	28.8	18.5	3.1
	+1.1	+1.7	+1.5	+0.8	+1.6	+2.5	+2.6	+2.3	+3.3	+3.7	+3.9	+3.7

표 4-7. 서울특별시의 계절별 평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	14.1	26.8	16.0	1.1	14.9	28.2	17.9	3.0	17.8	30.8	21.1	5.5
	+1.4	+1.7	+1.0	+1.4	+2.2	+3.1	+2.9	+3.3	+5.1	+5.7	+6.1	+5.8
강남구	14.5	27.2	16.5	1.7	15.4	28.6	18.4	3.5	18.3	31.2	21.5	6.0
	+1.3	+1.7	+1.0	+1.5	+2.2	+3.1	+2.9	+3.3	+5.1	+5.7	+6.0	+5.8
강동구	14.2	27.0	15.9	1.0	15.1	28.4	17.7	2.9	18.0	31.0	20.9	5.3
	+1.3	+1.7	+1.0	+1.4	+2.2	+3.1	+2.8	+3.3	+5.1	+5.7	+6.0	+5.7
강북구	13.8	26.6	15.6	0.7	14.7	28.0	17.5	2.6	17.6	30.6	20.6	5.1
	+1.3	+1.7	+1.0	+1.4	+2.2	+3.1	+2.9	+3.3	+5.1	+5.7	+6.0	+5.8
강서구	13.9	26.8	16.2	1.2	14.8	28.2	18.1	3.1	17.7	30.8	21.2	5.6
	+1.3	+1.6	+1.0	+1.4	+2.2	+3.0	+2.9	+3.3	+5.1	+5.6	+6.0	+5.8
관악구	14.0	26.7	16.2	1.4	14.9	28.1	18.1	3.2	17.8	30.7	21.3	5.7
	+1.4	+1.7	+1.0	+1.4	+2.3	+3.1	+2.9	+3.2	+5.2	+5.7	+6.1	+5.7
광진구	14.5	27.1	16.3	1.6	15.4	28.6	18.2	3.4	18.3	31.1	21.4	5.9
	+1.4	+1.6	+1.0	+1.5	+2.3	+3.1	+2.9	+3.3	+5.2	+5.6	+6.1	+5.8
구로구	13.9	26.8	16.2	1.2	14.8	28.2	18.1	3.1	17.7	30.8	21.3	5.6
	+1.3	+1.6	+1.0	+1.4	+2.2	+3.0	+2.9	+3.3	+5.1	+5.6	+6.1	+5.8
금천구	14.0	26.7	16.4	1.6	14.9	28.1	18.3	3.4	17.8	30.8	21.5	5.9
	+1.4	+1.6	+1.0	+1.4	+2.3	+3.0	+2.9	+3.2	+5.2	+5.7	+6.1	+5.7
노원구	13.6	26.4	15.2	0.4	14.5	27.8	17.1	2.3	17.4	30.4	20.2	4.8
	+1.4	+1.7	+1.0	+1.4	+2.3	+3.1	+2.9	+3.3	+5.2	+5.7	+6.0	+5.8
도봉구	13.6	26.3	15.1	0.4	14.5	27.7	17.0	2.2	17.4	30.3	20.1	4.7
	+1.4	+1.7	+1.0	+1.4	+2.3	+3.1	+2.9	+3.2	+5.2	+5.7	+6.0	+5.7
동대문구	14.4	27.0	16.1	1.4	15.2	28.5	18.0	3.2	18.1	31.0	21.2	5.7
	+1.4	+1.6	+1.0	+1.5	+2.2	+3.1	+2.9	+3.3	+5.1	+5.6	+6.1	+5.8
동작구	14.1	26.9	16.3	1.3	15.0	28.3	18.2	3.1	17.9	30.9	21.4	5.6
	+1.4	+1.7	+1.0	+1.4	+2.3	+3.1	+2.9	+3.2	+5.2	+5.7	+6.1	+5.7
마포구	14.1	26.8	16.2	1.2	15.0	28.2	18.1	3.1	17.8	30.8	21.3	5.6
	+1.4	+1.6	+1.0	+1.4	+2.3	+3.0	+2.9	+3.3	+5.1	+5.6	+6.1	+5.8
서대문구	13.5	26.2	15.6	0.6	14.4	27.6	17.4	2.5	17.3	30.2	20.6	4.9
	+1.4	+1.6	+1.0	+1.4	+2.3	+3.0	+2.8	+3.3	+5.2	+5.6	+6.0	+5.7
서초구	14.3	27.1	16.3	1.4	15.2	28.5	18.2	3.3	18.1	31.1	21.3	5.8
	+1.3	+1.6	+1.0	+1.4	+2.2	+3.0	+2.9	+3.3	+5.1	+5.6	+6.0	+5.8
성동구	14.4	27.1	16.4	1.5	15.3	28.5	18.2	3.4	18.2	31.1	21.4	5.9
	+1.3	+1.7	+1.0	+1.4	+2.2	+3.1	+2.8	+3.3	+5.1	+5.7	+6.0	+5.8
성북구	13.9	26.6	15.7	0.9	14.8	28.0	17.6	2.7	17.6	30.6	20.8	5.2
	+1.4	+1.6	+1.0	+1.4	+2.3	+3.0	+2.9	+3.2	+5.1	+5.6	+6.1	+5.7
송파구	14.6	27.2	16.4	1.6	15.5	28.6	18.2	3.5	18.4	31.2	21.4	5.9
	+1.4	+1.6	+1.0	+1.4	+2.3	+3.0	+2.8	+3.3	+5.2	+5.6	+6.0	+5.7
양천구	14.0	26.9	16.4	1.3	14.9	28.4	18.2	3.2	17.8	31.0	21.4	5.7
	+1.3	+1.6	+1.0	+1.4	+2.2	+3.1	+2.8	+3.3	+5.1	+5.7	+6.0	+5.8
영등포구	14.3	27.2	16.7	1.6	15.2	28.6	18.6	3.4	18.1	31.2	21.8	5.9
	+1.3	+1.6	+1.0	+1.4	+2.2	+3.0	+2.9	+3.2	+5.1	+5.6	+6.1	+5.7
용산구	14.0	26.7	16.1	1.1	14.9	28.1	18.0	2.9	17.7	30.7	21.2	5.4
	+1.4	+1.6	+1.0	+1.5	+2.3	+3.0	+2.9	+3.3	+5.1	+5.6	+6.1	+5.8
은평구	13.6	26.5	15.6	0.6	14.5	27.9	17.5	2.5	17.4	30.5	20.6	5.0
	+1.3	+1.7	+1.0	+1.4	+2.2	+3.1	+2.9	+3.3	+5.1	+5.7	+6.0	+5.8
종로구	13.6	26.3	15.6	0.7	14.5	27.8	17.5	2.6	17.4	30.3	20.7	5.1
	+1.3	+1.6	+1.0	+1.4	+2.2	+3.1	+2.9	+3.3	+5.1	+5.6	+6.1	+5.8
중구	14.1	26.9	16.1	1.2	15.0	28.3	18.0	3.0	17.9	30.9	21.2	5.5
	+1.3	+1.7	+1.0	+1.4	+2.2	+3.1	+2.9	+3.2	+5.1	+5.7	+6.1	+5.7
종로구	14.0	26.8	15.6	0.8	14.9	28.2	17.4	2.7	17.8	30.7	20.6	5.2
	+1.3	+1.7	+1.0	+1.4	+2.2	+3.1	+2.8	+3.3	+5.1	+5.6	+6.0	+5.8

표 4-8. 서울특별시의 계절별 평균기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	13.8	26.8	16.6	1.7	15.3	28.3	18.4	2.8	18.7	32.0	22.5	6.1
	+1.1	+1.7	+1.6	+2.0	+2.6	+3.2	+3.4	+3.1	+6.0	+6.9	+7.5	+6.4
강남구	14.2	27.2	17.0	2.2	15.8	28.7	18.9	3.3	19.1	32.4	22.9	6.5
	+1.0	+1.7	+1.5	+2.0	+2.6	+3.2	+3.4	+3.1	+5.9	+6.9	+7.4	+6.3
강동구	13.9	27.0	16.4	1.6	15.5	28.4	18.2	2.6	18.9	32.1	22.3	5.9
	+1.0	+1.7	+1.5	+2.0	+2.6	+3.1	+3.3	+3.0	+6.0	+6.8	+7.4	+6.3
강북구	13.5	26.6	16.1	1.3	15.1	28.1	18.0	2.4	18.5	31.8	22.0	5.6
	+1.0	+1.7	+1.5	+2.0	+2.6	+3.2	+3.4	+3.1	+6.0	+6.9	+7.4	+6.3
강서구	13.7	26.8	16.8	1.8	15.2	28.3	18.6	2.9	18.6	32.0	22.6	6.2
	+1.1	+1.6	+1.6	+2.0	+2.6	+3.1	+3.4	+3.1	+6.0	+6.8	+7.4	+6.4
관악구	13.7	26.7	16.8	1.9	15.3	28.1	18.6	3.0	18.6	31.8	22.6	6.3
	+1.1	+1.7	+1.6	+1.9	+2.7	+3.1	+3.4	+3.0	+6.0	+6.8	+7.4	+6.3
광진구	14.2	27.2	16.9	2.1	15.8	28.6	18.7	3.2	19.2	32.3	22.7	6.4
	+1.1	+1.7	+1.6	+2.0	+2.7	+3.1	+3.4	+3.1	+6.1	+6.8	+7.4	+6.3
구로구	13.6	26.8	16.8	1.8	15.2	28.3	18.6	2.8	18.5	32.0	22.6	6.2
	+1.0	+1.6	+1.6	+2.0	+2.6	+3.1	+3.4	+3.0	+5.9	+6.8	+7.4	+6.4
금천구	13.7	26.7	17.0	2.2	15.3	28.2	18.8	3.2	18.6	31.9	22.8	6.5
	+1.1	+1.6	+1.6	+2.0	+2.7	+3.1	+3.4	+3.0	+6.0	+6.8	+7.4	+6.3
노원구	13.3	26.4	15.7	1.0	14.9	27.9	17.6	2.0	18.3	31.5	21.6	5.3
	+1.1	+1.7	+1.5	+2.0	+2.7	+3.2	+3.4	+3.0	+6.1	+6.8	+7.4	+6.3
도봉구	13.3	26.3	15.6	1.0	14.9	27.8	17.5	2.0	18.2	31.5	21.5	5.3
	+1.1	+1.7	+1.5	+2.0	+2.7	+3.2	+3.4	+3.0	+6.0	+6.9	+7.4	+6.3
동대문구	14.1	27.0	16.7	2.0	15.6	28.5	18.5	3.0	19.0	32.2	22.6	6.3
	+1.1	+1.6	+1.6	+2.1	+2.6	+3.1	+3.4	+3.1	+6.0	+6.8	+7.5	+6.4
동작구	13.8	26.9	16.9	1.8	15.4	28.3	18.7	2.9	18.7	32.0	22.7	6.2
	+1.1	+1.7	+1.6	+1.9	+2.7	+3.1	+3.4	+3.0	+6.0	+6.8	+7.4	+6.3
마포구	13.8	26.9	16.8	1.8	15.4	28.3	18.7	2.8	18.7	32.0	22.7	6.2
	+1.1	+1.7	+1.6	+2.0	+2.7	+3.1	+3.5	+3.0	+6.0	+6.8	+7.5	+6.4
서대문구	13.2	26.2	16.1	1.2	14.8	27.7	18.0	2.2	18.1	31.4	22.0	5.5
	+1.1	+1.6	+1.5	+2.0	+2.7	+3.1	+3.4	+3.0	+6.0	+6.8	+7.4	+6.3
서초구	14.0	27.1	16.9	2.0	15.6	28.6	18.7	3.0	18.9	32.3	22.7	6.3
	+1.0	+1.6	+1.6	+2.0	+2.6	+3.1	+3.4	+3.0	+5.9	+6.8	+7.4	+6.3
성동구	14.1	27.1	16.9	2.1	15.7	28.6	18.8	3.2	19.1	32.2	22.8	6.4
	+1.0	+1.7	+1.5	+2.0	+2.6	+3.2	+3.4	+3.1	+6.0	+6.8	+7.4	+6.3
성북구	13.6	26.6	16.3	1.4	15.1	28.1	18.1	2.5	18.5	31.8	22.2	5.8
	+1.1	+1.6	+1.6	+1.9	+2.6	+3.1	+3.4	+3.0	+6.0	+6.8	+7.5	+6.3
송파구	14.3	27.2	16.9	2.2	15.8	28.7	18.8	3.2	19.2	32.4	22.8	6.5
	+1.1	+1.6	+1.5	+2.0	+2.6	+3.1	+3.4	+3.0	+6.0	+6.8	+7.4	+6.3
양천구	13.8	27.0	16.9	1.9	15.3	28.4	18.8	3.0	18.7	32.1	22.8	6.3
	+1.1	+1.7	+1.5	+2.0	+2.6	+3.1	+3.4	+3.1	+6.0	+6.8	+7.4	+6.4
영등포구	14.1	27.2	17.3	2.2	15.6	28.7	19.1	3.2	19.0	32.4	23.1	6.5
	+1.1	+1.6	+1.6	+2.0	+2.6	+3.1	+3.4	+3.0	+6.0	+6.8	+7.4	+6.3
용산구	13.7	26.7	16.7	1.7	15.3	28.2	18.5	2.7	18.6	31.9	22.6	6.0
	+1.1	+1.6	+1.6	+2.1	+2.7	+3.1	+3.4	+3.1	+6.0	+6.8	+7.5	+6.4
은평구	13.3	26.5	16.1	1.2	14.9	28.0	18.0	2.3	18.3	31.6	22.0	5.6
	+1.0	+1.7	+1.5	+2.0	+2.6	+3.2	+3.4	+3.1	+6.0	+6.8	+7.4	+6.4
종로구	13.3	26.3	16.2	1.3	14.9	27.8	18.0	2.3	18.3	31.5	22.1	5.6
	+1.0	+1.6	+1.6	+2.0	+2.6	+3.1	+3.4	+3.0	+6.0	+6.8	+7.5	+6.3
중구	13.8	26.9	16.7	1.8	15.4	28.4	18.5	2.8	18.8	32.0	22.6	6.1
	+1.0	+1.7	+1.6	+2.0	+2.6	+3.2	+3.4	+3.0	+6.0	+6.8	+7.5	+6.3
종량구	13.7	26.8	16.1	1.4	15.3	28.2	18.0	2.5	18.7	31.9	22.0	5.7
	+1.0	+1.7	+1.5	+2.0	+2.6	+3.1	+3.4	+3.1	+6.0	+6.8	+7.4	+6.3

## 2) 연평균 최고기온

- SSP 시나리오에 따른 서울특별시 연평균 최고기온은 현재(2000-2019년, 17.9℃) 대비 21세기 중반기에 1.7~3.1℃, 21세기 후반기에 2.5~6.8℃ 상승할 것으로 전망됨.
  - SSP1-2.6 시나리오에서 서울특별시 연평균 최고기온은 현재 대비 21세기 중반기에 1.7℃, 후반기에 2.5℃ 상승할 것으로 전망됨.
  - SSP2-4.5 시나리오에서 서울특별시 연평균 최고기온은 현재 대비 21세기 중반기에 2.3℃, 후반기에 3.7℃ 상승할 것으로 전망됨.
  - SSP3-7.0 시나리오에서 서울특별시 연평균 최고기온은 현재 대비 21세기 중반기에 3.0℃, 후반기에 5.8℃ 상승할 것으로 전망됨.
  - SSP5-8.5 시나리오에서 서울특별시 연평균 최고기온은 현재 대비 21세기 중반기에 3.1℃, 후반기에 6.8℃ 상승할 것으로 전망됨.
- SSP5-8.5 시나리오에서 현재 대비 21세기 하반기 서울특별시 연평균 최고기온 상승폭(+6.8℃)은 SSP1-2.6 시나리오에서의 상승폭(+2.5℃)보다 4.3℃ 크게 나타남.
- 현재(2000-2019년) 서울특별시 연평균 최고기온(17.9℃)은 우리나라 평균(18.2℃)보다 0.3℃ 낮으며 SSP5-8.5에서 21세기 하반기 서울특별시 연평균 최고기온 상승폭(+6.8℃)은 우리나라 평균 상승폭(+6.4℃)보다 크게 나타남.



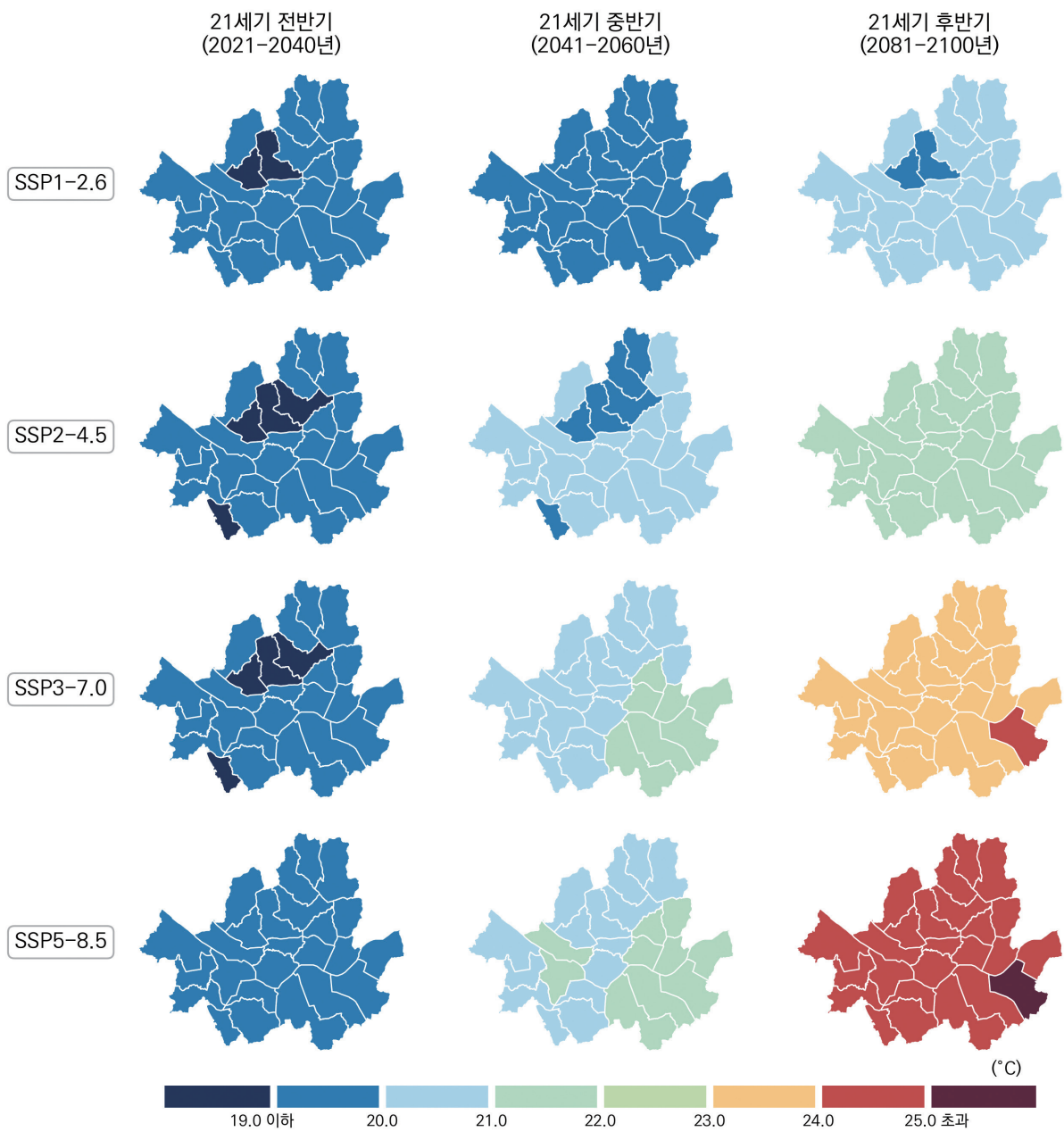


그림 4-6. 서울특별시의 연평균 최고기온(°C) 전망 분포도

표 4-9. 서울특별시의 연평균 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	17.9	19.3	19.6	19.6	19.5	20.0	20.2	20.3	20.5	19.4	19.6	20.4
		+1.4	+1.7	+1.7	+1.6	+2.1	+2.3	+2.4	+2.6	+1.5	+1.7	+2.5
강남구	18.2	19.5	19.8	19.9	19.8	20.3	20.4	20.5	20.7	19.7	19.9	20.6
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.5	+1.7	+2.4
강동구	18.2	19.5	19.8	19.9	19.8	20.3	20.4	20.5	20.7	19.7	19.9	20.6
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.5	+1.7	+2.4
강북구	17.7	19.1	19.4	19.5	19.4	19.8	20.0	20.1	20.3	19.2	19.4	20.2
		+1.4	+1.7	+1.8	+1.7	+2.1	+2.3	+2.4	+2.6	+1.5	+1.7	+2.5
강서구	17.9	19.2	19.6	19.6	19.6	20.0	20.2	20.3	20.5	19.4	19.6	20.4
		+1.3	+1.7	+1.7	+1.7	+2.1	+2.3	+2.4	+2.6	+1.5	+1.7	+2.5
관악구	17.8	19.1	19.5	19.5	19.4	19.9	20.1	20.2	20.3	19.3	19.4	20.2
		+1.3	+1.7	+1.7	+1.6	+2.1	+2.3	+2.4	+2.5	+1.5	+1.6	+2.4
광진구	18.2	19.5	19.8	19.9	19.8	20.2	20.4	20.5	20.7	19.6	19.8	20.6
		+1.3	+1.6	+1.7	+1.6	+2.0	+2.2	+2.3	+2.5	+1.4	+1.6	+2.4
구로구	17.9	19.2	19.5	19.6	19.5	20.0	20.1	20.2	20.4	19.3	19.5	20.3
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.6	+2.4
금천구	17.7	19.1	19.4	19.4	19.3	19.8	20.0	20.1	20.3	19.2	19.4	20.2
		+1.4	+1.7	+1.7	+1.6	+2.1	+2.3	+2.4	+2.6	+1.5	+1.7	+2.5
노원구	17.8	19.2	19.5	19.5	19.4	19.9	20.1	20.2	20.3	19.3	19.5	20.3
		+1.4	+1.7	+1.7	+1.6	+2.1	+2.3	+2.4	+2.5	+1.5	+1.7	+2.5
도봉구	17.8	19.1	19.4	19.5	19.3	19.8	20.0	20.1	20.3	19.2	19.4	20.2
		+1.3	+1.6	+1.7	+1.5	+2.0	+2.2	+2.3	+2.5	+1.4	+1.6	+2.4
동대문구	18.2	19.5	19.8	19.9	19.8	20.3	20.4	20.5	20.7	19.6	19.8	20.6
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.6	+2.4
동작구	17.9	19.2	19.5	19.6	19.5	20.0	20.1	20.2	20.4	19.4	19.5	20.3
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.5	+1.6	+2.4
마포구	18.0	19.3	19.6	19.7	19.6	20.1	20.2	20.3	20.5	19.5	19.6	20.4
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.5	+1.6	+2.4
서대문구	17.5	18.8	19.2	19.2	19.1	19.6	19.8	19.9	20.0	19.0	19.2	19.9
		+1.3	+1.7	+1.7	+1.6	+2.1	+2.3	+2.4	+2.5	+1.5	+1.7	+2.4
서초구	18.2	19.5	19.9	19.9	19.9	20.3	20.5	20.6	20.8	19.7	19.9	20.7
		+1.3	+1.7	+1.7	+1.7	+2.1	+2.3	+2.4	+2.6	+1.5	+1.7	+2.5
성동구	18.1	19.5	19.8	19.8	19.7	20.2	20.4	20.5	20.7	19.6	19.8	20.6
		+1.4	+1.7	+1.7	+1.6	+2.1	+2.3	+2.4	+2.6	+1.5	+1.7	+2.5
성북구	17.7	19.0	19.3	19.4	19.3	19.8	19.9	20.0	20.2	19.2	19.3	20.1
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.5	+1.6	+2.4
송파구	18.3	19.7	20.0	20.1	19.9	20.4	20.6	20.7	20.9	19.8	20.0	20.8
		+1.4	+1.7	+1.8	+1.6	+2.1	+2.3	+2.4	+2.6	+1.5	+1.7	+2.5
양천구	18.0	19.3	19.6	19.7	19.6	20.1	20.2	20.3	20.5	19.5	19.6	20.4
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.5	+1.6	+2.4
영등포구	18.1	19.4	19.8	19.8	19.7	20.2	20.4	20.5	20.6	19.6	19.8	20.5
		+1.3	+1.7	+1.7	+1.6	+2.1	+2.3	+2.4	+2.5	+1.5	+1.7	+2.4
용산구	17.8	19.1	19.4	19.5	19.4	19.9	20.0	20.1	20.3	19.3	19.4	20.2
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.5	+1.6	+2.4
은평구	17.8	19.1	19.5	19.5	19.4	19.9	20.1	20.2	20.3	19.3	19.5	20.2
		+1.3	+1.7	+1.7	+1.6	+2.1	+2.3	+2.4	+2.5	+1.5	+1.7	+2.4
종로구	17.5	18.8	19.1	19.2	19.1	19.6	19.7	19.8	20.0	18.9	19.1	19.9
		+1.3	+1.6	+1.7	+1.6	+2.1	+2.2	+2.3	+2.5	+1.4	+1.6	+2.4
중구	17.9	19.3	19.6	19.7	19.6	20.1	20.2	20.3	20.5	19.4	19.6	20.4
		+1.4	+1.7	+1.8	+1.7	+2.2	+2.3	+2.4	+2.6	+1.5	+1.7	+2.5
종량구	18.0	19.4	19.7	19.8	19.6	20.1	20.3	20.4	20.6	19.5	19.7	20.5
		+1.4	+1.7	+1.8	+1.6	+2.1	+2.3	+2.4	+2.6	+1.5	+1.7	+2.5

표 4-10. 서울특별시의 연평균 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	17.9	19.3	19.2	20.1	20.4	21.1	21.0	21.6	21.7	19.3	20.2	21.6
		+1.4	+1.3	+2.2	+2.5	+3.2	+3.1	+3.7	+3.8	+1.4	+2.3	+3.7
강남구	18.2	19.6	19.5	20.3	20.7	21.3	21.3	21.8	21.9	19.5	20.5	21.9
		+1.4	+1.3	+2.1	+2.5	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
강동구	18.2	19.6	19.5	20.3	20.7	21.3	21.3	21.8	21.9	19.5	20.5	21.9
		+1.4	+1.3	+2.1	+2.5	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
강북구	17.7	19.2	19.0	19.9	20.2	20.9	20.8	21.4	21.5	19.1	20.0	21.4
		+1.5	+1.3	+2.2	+2.5	+3.2	+3.1	+3.7	+3.8	+1.4	+2.3	+3.7
강서구	17.9	19.3	19.2	20.1	20.4	21.1	21.0	21.6	21.7	19.3	20.2	21.6
		+1.4	+1.3	+2.2	+2.5	+3.2	+3.1	+3.7	+3.8	+1.4	+2.3	+3.7
관악구	17.8	19.2	19.1	19.9	20.3	20.9	20.9	21.4	21.5	19.1	20.1	21.5
		+1.4	+1.3	+2.1	+2.5	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
광진구	18.2	19.6	19.4	20.3	20.6	21.3	21.2	21.8	21.9	19.5	20.4	21.8
		+1.4	+1.2	+2.1	+2.4	+3.1	+3.0	+3.6	+3.7	+1.3	+2.2	+3.6
구로구	17.9	19.2	19.1	20.0	20.3	21.0	20.9	21.5	21.6	19.2	20.2	21.5
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.0	+3.6	+3.7	+1.3	+2.3	+3.6
금천구	17.7	19.1	19.0	19.8	20.2	20.9	20.8	21.3	21.5	19.0	20.0	21.4
		+1.4	+1.3	+2.1	+2.5	+3.2	+3.1	+3.6	+3.8	+1.3	+2.3	+3.7
노원구	17.8	19.3	19.1	19.9	20.3	21.0	20.9	21.4	21.6	19.2	20.1	21.5
		+1.5	+1.3	+2.1	+2.5	+3.2	+3.1	+3.6	+3.8	+1.4	+2.3	+3.7
도봉구	17.8	19.2	19.0	19.9	20.2	20.9	20.8	21.4	21.5	19.1	20.0	21.4
		+1.4	+1.2	+2.1	+2.4	+3.1	+3.0	+3.6	+3.7	+1.3	+2.2	+3.6
동대문구	18.2	19.6	19.4	20.3	20.6	21.3	21.3	21.8	21.9	19.5	20.4	21.8
		+1.4	+1.2	+2.1	+2.4	+3.1	+3.1	+3.6	+3.7	+1.3	+2.2	+3.6
동작구	17.9	19.2	19.1	20.0	20.4	21.0	21.0	21.5	21.6	19.2	20.2	21.6
		+1.3	+1.2	+2.1	+2.5	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
마포구	18.0	19.3	19.2	20.1	20.5	21.1	21.1	21.6	21.7	19.3	20.3	21.7
		+1.3	+1.2	+2.1	+2.5	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
서대문구	17.5	18.9	18.8	19.6	20.0	20.6	20.6	21.1	21.2	18.8	19.8	21.2
		+1.4	+1.3	+2.1	+2.5	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
서초구	18.2	19.6	19.5	20.4	20.7	21.4	21.3	21.9	22.0	19.6	20.5	21.9
		+1.4	+1.3	+2.2	+2.5	+3.2	+3.1	+3.7	+3.8	+1.4	+2.3	+3.7
성동구	18.1	19.5	19.4	20.3	20.6	21.3	21.2	21.8	21.9	19.5	20.4	21.8
		+1.4	+1.3	+2.2	+2.5	+3.2	+3.1	+3.7	+3.8	+1.4	+2.3	+3.7
성북구	17.7	19.1	18.9	19.8	20.1	20.8	20.8	21.3	21.4	19.0	20.0	21.3
		+1.4	+1.2	+2.1	+2.4	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.6
송파구	18.3	19.7	19.6	20.4	20.8	21.5	21.4	21.9	22.1	19.7	20.6	22.0
		+1.4	+1.3	+2.1	+2.5	+3.2	+3.1	+3.6	+3.8	+1.4	+2.3	+3.7
양천구	18.0	19.4	19.2	20.1	20.5	21.1	21.1	21.6	21.7	19.3	20.3	21.7
		+1.4	+1.2	+2.1	+2.5	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
영등포구	18.1	19.5	19.4	20.2	20.6	21.2	21.2	21.7	21.8	19.4	20.4	21.8
		+1.4	+1.3	+2.1	+2.5	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
용산구	17.8	19.2	19.0	19.9	20.3	20.9	20.9	21.4	21.5	19.1	20.1	21.5
		+1.4	+1.2	+2.1	+2.5	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.7
은평구	17.8	19.2	19.1	19.9	20.3	21.0	20.9	21.4	21.6	19.1	20.1	21.5
		+1.4	+1.3	+2.1	+2.5	+3.2	+3.1	+3.6	+3.8	+1.3	+2.3	+3.7
종로구	17.5	18.9	18.7	19.6	19.9	20.6	20.6	21.1	21.2	18.8	19.8	21.1
		+1.4	+1.2	+2.1	+2.4	+3.1	+3.1	+3.6	+3.7	+1.3	+2.3	+3.6
중구	17.9	19.3	19.2	20.1	20.4	21.1	21.0	21.6	21.7	19.3	20.2	21.6
		+1.4	+1.3	+2.2	+2.5	+3.2	+3.1	+3.7	+3.8	+1.4	+2.3	+3.7
종랑구	18.0	19.4	19.3	20.2	20.5	21.2	21.1	21.7	21.8	19.4	20.3	21.7
		+1.4	+1.3	+2.2	+2.5	+3.2	+3.1	+3.7	+3.8	+1.4	+2.3	+3.7

표 4-11. 서울특별시의 연평균 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	17.9	18.9	19.6	20.6	21.2	21.8	22.1	23.3	24.0	19.3	20.9	23.7
		+1.0	+1.7	+2.7	+3.3	+3.9	+4.2	+5.4	+6.1	+1.4	+3.0	+5.8
강남구	18.2	19.2	19.9	20.9	21.4	22.1	22.4	23.5	24.3	19.5	21.2	23.9
		+1.0	+1.7	+2.7	+3.2	+3.9	+4.2	+5.3	+6.1	+1.3	+3.0	+5.7
강동구	18.2	19.2	19.9	20.9	21.5	22.1	22.3	23.5	24.3	19.5	21.2	23.9
		+1.0	+1.7	+2.7	+3.3	+3.9	+4.1	+5.3	+6.1	+1.3	+3.0	+5.7
강북구	17.7	18.7	19.5	20.5	21.0	21.6	21.9	23.1	23.9	19.1	20.7	23.5
		+1.0	+1.8	+2.8	+3.3	+3.9	+4.2	+5.4	+6.2	+1.4	+3.0	+5.8
강서구	17.9	18.9	19.6	20.6	21.2	21.8	22.1	23.3	24.0	19.2	20.9	23.7
		+1.0	+1.7	+2.7	+3.3	+3.9	+4.2	+5.4	+6.1	+1.3	+3.0	+5.8
관악구	17.8	18.7	19.5	20.5	21.0	21.7	21.9	23.1	23.9	19.1	20.7	23.5
		+0.9	+1.7	+2.7	+3.2	+3.9	+4.1	+5.3	+6.1	+1.3	+2.9	+5.7
광진구	18.2	19.1	19.9	20.9	21.4	22.1	22.3	23.5	24.3	19.5	21.1	23.9
		+0.9	+1.7	+2.7	+3.2	+3.9	+4.1	+5.3	+6.1	+1.3	+2.9	+5.7
구로구	17.9	18.8	19.5	20.5	21.1	21.7	22.0	23.2	23.9	19.2	20.8	23.6
		+0.9	+1.6	+2.6	+3.2	+3.8	+4.1	+5.3	+6.0	+1.3	+2.9	+5.7
금천구	17.7	18.6	19.4	20.4	20.9	21.6	21.9	23.0	23.8	19.0	20.7	23.4
		+0.9	+1.7	+2.7	+3.2	+3.9	+4.2	+5.3	+6.1	+1.3	+3.0	+5.7
노원구	17.8	18.8	19.5	20.5	21.1	21.7	22.0	23.2	24.0	19.2	20.8	23.6
		+1.0	+1.7	+2.7	+3.3	+3.9	+4.2	+5.4	+6.2	+1.4	+3.0	+5.8
도봉구	17.8	18.7	19.4	20.4	21.0	21.6	21.9	23.1	23.9	19.1	20.7	23.5
		+0.9	+1.6	+2.6	+3.2	+3.8	+4.1	+5.3	+6.1	+1.3	+2.9	+5.7
동대문구	18.2	19.1	19.8	20.9	21.4	22.1	22.3	23.5	24.3	19.5	21.1	23.9
		+0.9	+1.6	+2.7	+3.2	+3.9	+4.1	+5.3	+6.1	+1.3	+2.9	+5.7
동작구	17.9	18.8	19.6	20.5	21.1	21.8	22.0	23.2	24.0	19.2	20.8	23.6
		+0.9	+1.7	+2.6	+3.2	+3.9	+4.1	+5.3	+6.1	+1.3	+2.9	+5.7
마포구	18.0	18.9	19.7	20.6	21.2	21.9	22.1	23.3	24.1	19.3	20.9	23.7
		+0.9	+1.7	+2.6	+3.2	+3.9	+4.1	+5.3	+6.1	+1.3	+2.9	+5.7
서대문구	17.5	18.5	19.2	20.2	20.8	21.4	21.7	22.9	23.6	18.8	20.5	23.2
		+1.0	+1.7	+2.7	+3.3	+3.9	+4.2	+5.4	+6.1	+1.3	+3.0	+5.7
서초구	18.2	19.2	19.9	20.9	21.5	22.1	22.4	23.6	24.4	19.6	21.2	24.0
		+1.0	+1.7	+2.7	+3.3	+3.9	+4.2	+5.4	+6.2	+1.4	+3.0	+5.8
성동구	18.1	19.1	19.8	20.8	21.4	22.0	22.3	23.5	24.3	19.5	21.1	23.9
		+1.0	+1.7	+2.7	+3.3	+3.9	+4.2	+5.4	+6.2	+1.4	+3.0	+5.8
성북구	17.7	18.6	19.4	20.4	20.9	21.6	21.8	23.0	23.8	19.0	20.6	23.4
		+0.9	+1.7	+2.7	+3.2	+3.9	+4.1	+5.3	+6.1	+1.3	+2.9	+5.7
송파구	18.3	19.3	20.0	21.0	21.6	22.2	22.5	23.7	24.4	19.7	21.3	24.1
		+1.0	+1.7	+2.7	+3.3	+3.9	+4.2	+5.4	+6.1	+1.4	+3.0	+5.8
양천구	18.0	18.9	19.7	20.6	21.2	21.9	22.1	23.3	24.1	19.3	20.9	23.7
		+0.9	+1.7	+2.6	+3.2	+3.9	+4.1	+5.3	+6.1	+1.3	+2.9	+5.7
영등포구	18.1	19.0	19.8	20.8	21.3	22.0	22.3	23.4	24.2	19.4	21.0	23.8
		+0.9	+1.7	+2.7	+3.2	+3.9	+4.2	+5.3	+6.1	+1.3	+2.9	+5.7
용산구	17.8	18.7	19.5	20.5	21.0	21.7	22.0	23.1	23.9	19.1	20.7	23.5
		+0.9	+1.7	+2.7	+3.2	+3.9	+4.2	+5.3	+6.1	+1.3	+2.9	+5.7
은평구	17.8	18.8	19.5	20.5	21.1	21.7	22.0	23.2	23.9	19.1	20.8	23.5
		+1.0	+1.7	+2.7	+3.3	+3.9	+4.2	+5.4	+6.1	+1.3	+3.0	+5.7
종로구	17.5	18.4	19.2	20.2	20.7	21.4	21.6	22.8	23.6	18.8	20.4	23.2
		+0.9	+1.7	+2.7	+3.2	+3.9	+4.1	+5.3	+6.1	+1.3	+2.9	+5.7
중구	17.9	18.9	19.7	20.6	21.2	21.8	22.1	23.3	24.1	19.3	20.9	23.7
		+1.0	+1.8	+2.7	+3.3	+3.9	+4.2	+5.4	+6.2	+1.4	+3.0	+5.8
종량구	18.0	19.0	19.7	20.8	21.3	21.9	22.2	23.4	24.2	19.4	21.0	23.8
		+1.0	+1.7	+2.8	+3.3	+3.9	+4.2	+5.4	+6.2	+1.4	+3.0	+5.8

표 4-12. 서울특별시의 연평균 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	17.9	19.3	19.9	20.8	21.2	22.5	23.2	24.3	25.2	19.6	21.0	24.7
		+1.4	+2.0	+2.9	+3.3	+4.6	+5.3	+6.4	+7.3	+1.7	+3.1	+6.8
강남구	18.2	19.6	20.1	21.1	21.5	22.8	23.4	24.6	25.4	19.8	21.3	25.0
		+1.4	+1.9	+2.9	+3.3	+4.6	+5.2	+6.4	+7.2	+1.6	+3.1	+6.8
강동구	18.2	19.6	20.1	21.1	21.5	22.8	23.4	24.6	25.4	19.8	21.3	25.0
		+1.4	+1.9	+2.9	+3.3	+4.6	+5.2	+6.4	+7.2	+1.6	+3.1	+6.8
강북구	17.7	19.1	19.7	20.7	21.0	22.4	23.0	24.1	25.0	19.4	20.8	24.5
		+1.4	+2.0	+3.0	+3.3	+4.7	+5.3	+6.4	+7.3	+1.7	+3.1	+6.8
강서구	17.9	19.3	19.9	20.8	21.2	22.5	23.1	24.3	25.1	19.6	21.0	24.7
		+1.4	+2.0	+2.9	+3.3	+4.6	+5.2	+6.4	+7.2	+1.7	+3.1	+6.8
관악구	17.8	19.2	19.7	20.7	21.1	22.4	23.0	24.2	25.0	19.4	20.9	24.6
		+1.4	+1.9	+2.9	+3.3	+4.6	+5.2	+6.4	+7.2	+1.6	+3.1	+6.8
광진구	18.2	19.5	20.1	21.0	21.4	22.8	23.4	24.5	25.4	19.8	21.2	24.9
		+1.3	+1.9	+2.8	+3.2	+4.6	+5.2	+6.3	+7.2	+1.6	+3.0	+6.7
구로구	17.9	19.2	19.8	20.7	21.2	22.4	23.0	24.2	25.0	19.5	20.9	24.6
		+1.3	+1.9	+2.8	+3.3	+4.5	+5.1	+6.3	+7.1	+1.6	+3.0	+6.7
금천구	17.7	19.1	19.6	20.6	21.0	22.3	22.9	24.1	24.9	19.4	20.8	24.5
		+1.4	+1.9	+2.9	+3.3	+4.6	+5.2	+6.4	+7.2	+1.7	+3.1	+6.8
노원구	17.8	19.2	19.8	20.7	21.1	22.5	23.1	24.2	25.1	19.5	20.9	24.6
		+1.4	+2.0	+2.9	+3.3	+4.7	+5.3	+6.4	+7.3	+1.7	+3.1	+6.8
도봉구	17.8	19.1	19.7	20.6	21.0	22.4	23.0	24.1	25.0	19.4	20.8	24.5
		+1.3	+1.9	+2.8	+3.2	+4.6	+5.2	+6.3	+7.2	+1.6	+3.0	+6.7
동대문구	18.2	19.5	20.1	21.1	21.4	22.8	23.4	24.5	25.4	19.8	21.2	25.0
		+1.3	+1.9	+2.9	+3.2	+4.6	+5.2	+6.3	+7.2	+1.6	+3.0	+6.8
동작구	17.9	19.3	19.8	20.8	21.2	22.5	23.1	24.2	25.1	19.5	21.0	24.7
		+1.4	+1.9	+2.9	+3.3	+4.6	+5.2	+6.3	+7.2	+1.6	+3.1	+6.8
마포구	18.0	19.3	19.9	20.9	21.3	22.6	23.2	24.3	25.2	19.6	21.1	24.8
		+1.3	+1.9	+2.9	+3.3	+4.6	+5.2	+6.3	+7.2	+1.6	+3.1	+6.8
서대문구	17.5	18.9	19.4	20.4	20.8	22.1	22.8	23.9	24.7	19.2	20.6	24.3
		+1.4	+1.9	+2.9	+3.3	+4.6	+5.3	+6.4	+7.2	+1.7	+3.1	+6.8
서초구	18.2	19.6	20.2	21.1	21.5	22.8	23.5	24.6	25.5	19.9	21.3	25.0
		+1.4	+2.0	+2.9	+3.3	+4.6	+5.3	+6.4	+7.3	+1.7	+3.1	+6.8
성동구	18.1	19.5	20.1	21.0	21.4	22.8	23.4	24.5	25.4	19.8	21.2	24.9
		+1.4	+2.0	+2.9	+3.3	+4.7	+5.3	+6.4	+7.3	+1.7	+3.1	+6.8
성북구	17.7	19.0	19.6	20.6	21.0	22.3	22.9	24.0	24.9	19.3	20.8	24.5
		+1.3	+1.9	+2.9	+3.3	+4.6	+5.2	+6.3	+7.2	+1.6	+3.1	+6.8
송파구	18.3	19.7	20.3	21.2	21.6	22.9	23.6	24.7	25.6	20.0	21.4	25.1
		+1.4	+2.0	+2.9	+3.3	+4.6	+5.3	+6.4	+7.3	+1.7	+3.1	+6.8
양천구	18.0	19.4	19.9	20.8	21.3	22.6	23.2	24.3	25.2	19.6	21.0	24.7
		+1.4	+1.9	+2.8	+3.3	+4.6	+5.2	+6.3	+7.2	+1.6	+3.0	+6.7
영등포구	18.1	19.5	20.0	21.0	21.4	22.7	23.3	24.4	25.3	19.7	21.2	24.9
		+1.4	+1.9	+2.9	+3.3	+4.6	+5.2	+6.3	+7.2	+1.6	+3.1	+6.8
용산구	17.8	19.1	19.7	20.7	21.1	22.4	23.0	24.2	25.0	19.4	20.9	24.6
		+1.3	+1.9	+2.9	+3.3	+4.6	+5.2	+6.4	+7.2	+1.6	+3.1	+6.8
은평구	17.8	19.2	19.7	20.7	21.1	22.4	23.1	24.2	25.0	19.5	20.9	24.6
		+1.4	+1.9	+2.9	+3.3	+4.6	+5.3	+6.4	+7.2	+1.7	+3.1	+6.8
종로구	17.5	18.8	19.4	20.3	20.8	22.1	22.7	23.8	24.7	19.1	20.5	24.3
		+1.3	+1.9	+2.8	+3.3	+4.6	+5.2	+6.3	+7.2	+1.6	+3.0	+6.8
중구	17.9	19.3	19.9	20.8	21.2	22.6	23.2	24.3	25.2	19.6	21.0	24.7
		+1.4	+2.0	+2.9	+3.3	+4.7	+5.3	+6.4	+7.3	+1.7	+3.1	+6.8
종랑구	18.0	19.4	20.0	20.9	21.3	22.7	23.3	24.4	25.3	19.7	21.1	24.8
		+1.4	+2.0	+2.9	+3.3	+4.7	+5.3	+6.4	+7.3	+1.7	+3.1	+6.8

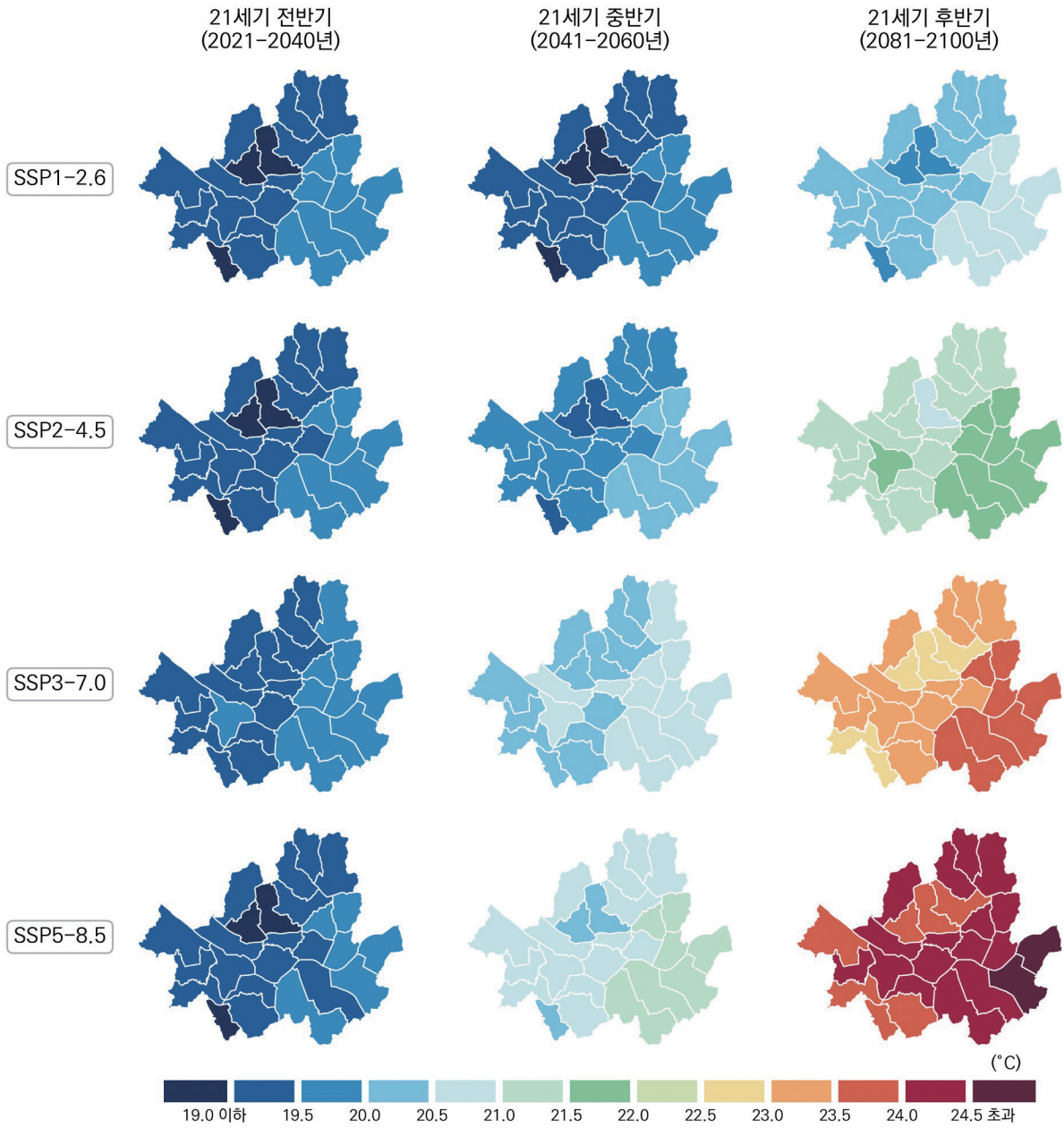


그림 4-7. 서울특별시의 봄철 연평균 최고기온(°C) 전망 분포도

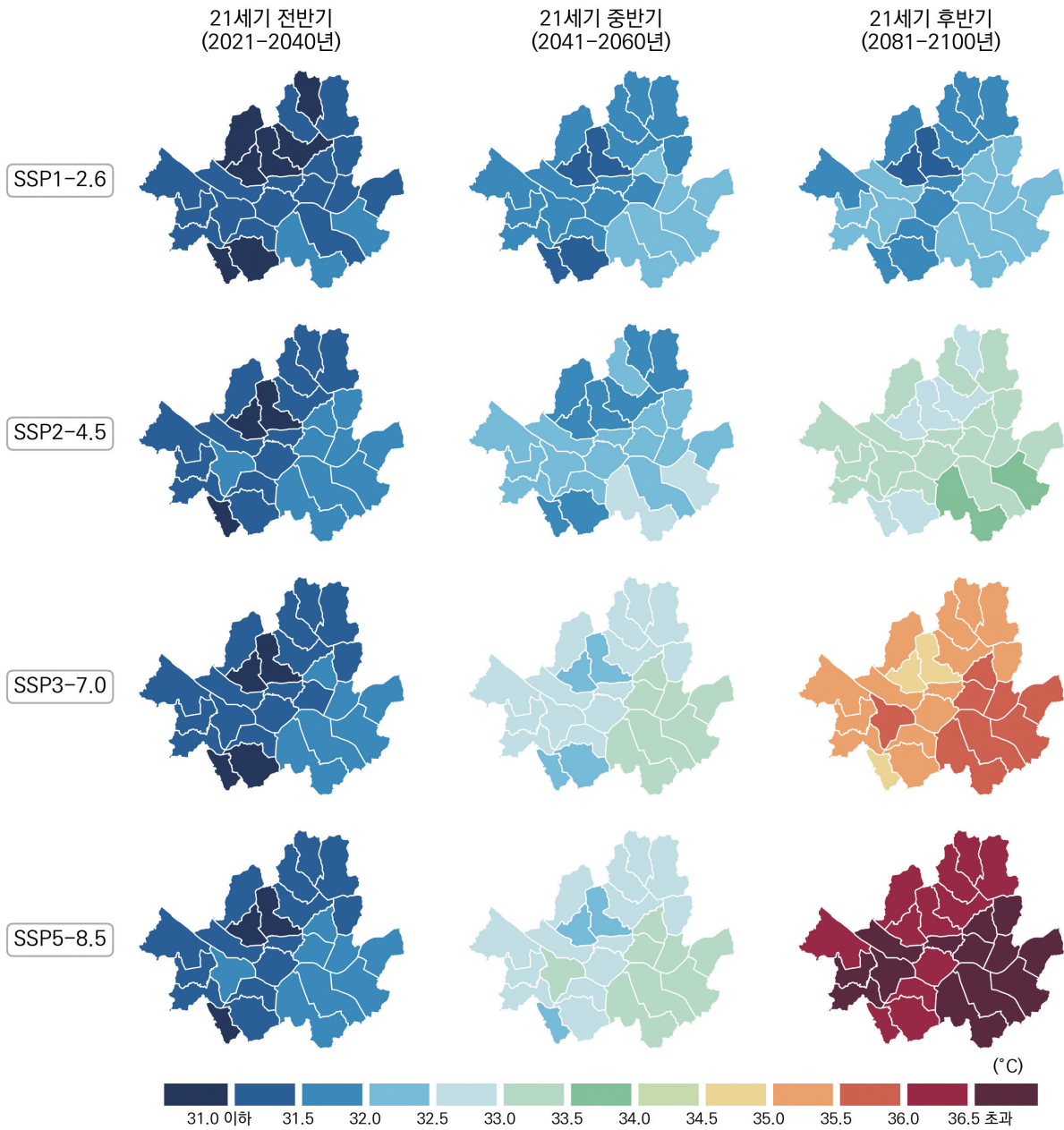


그림 4-8. 서울특별시의 여름철 연평균 최고기온(°C) 전망 분포도

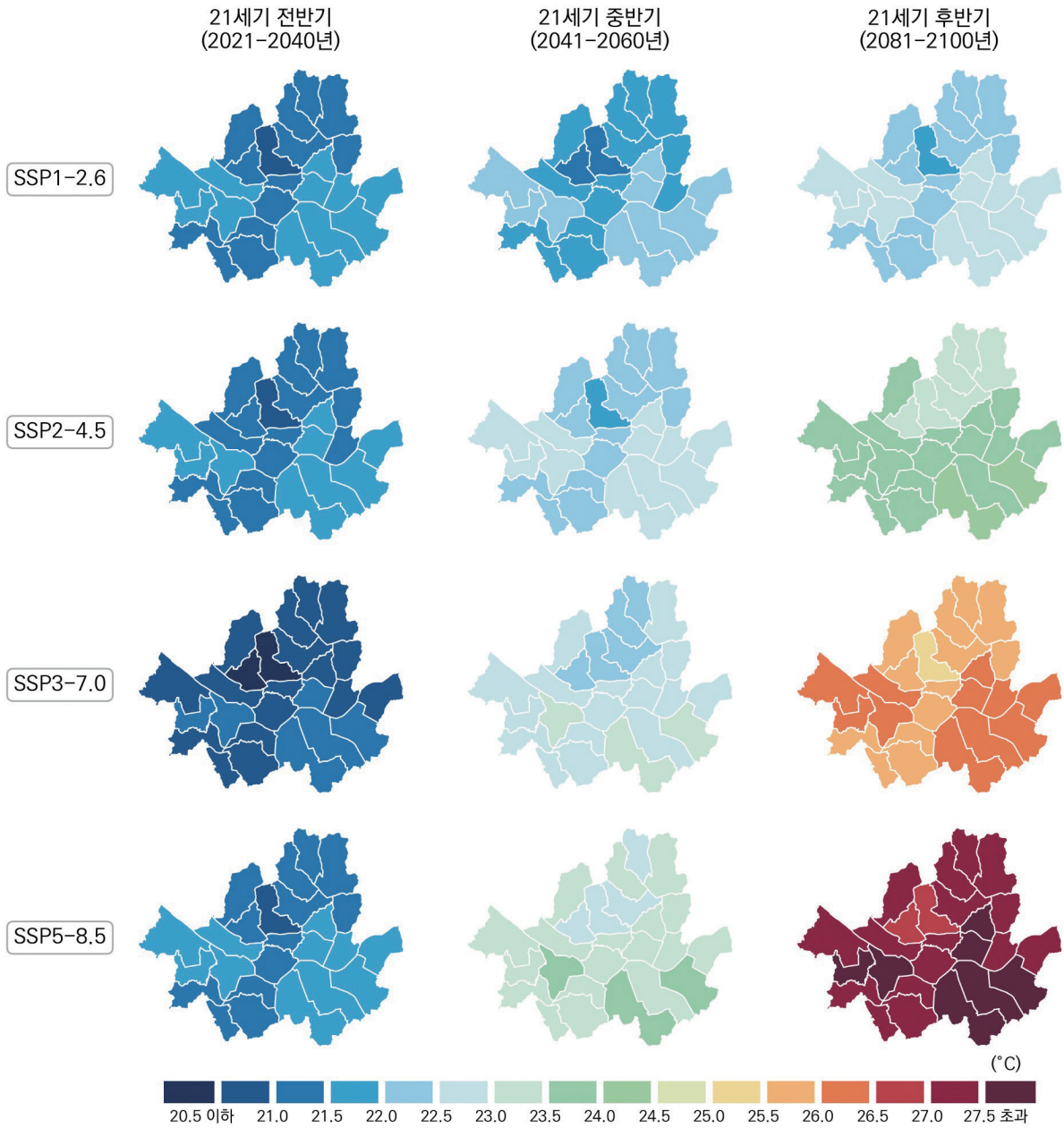


그림 4-9. 서울특별시의 가을철 연평균 최고기온(°C) 전망 분포도



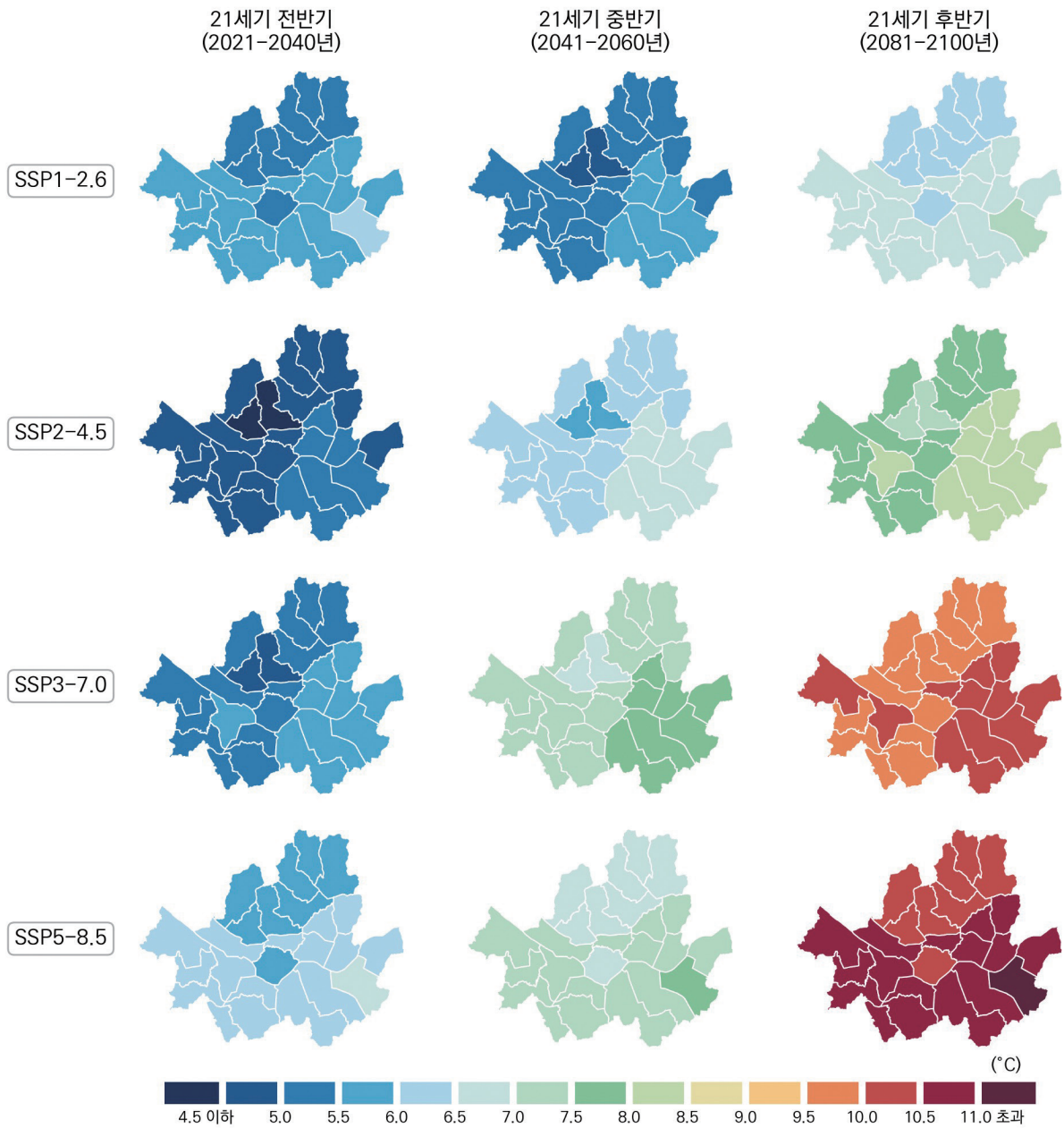


그림 4-10. 서울특별시의 겨울철 연평균 최고기온(°C) 전망 분포도

표 4-13. 서울특별시의 계절별 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	19.4	31.2	21.5	5.7	19.3	31.8	21.9	5.3	20.3	32.0	22.4	6.7
	+1.3	+1.5	+1.6	+1.7	+1.2	+2.1	+2.0	+1.3	+2.2	+2.3	+2.5	+2.7
강남구	19.6	31.5	21.7	5.9	19.6	32.1	22.1	5.6	20.6	32.4	22.7	6.9
	+1.2	+1.5	+1.6	+1.7	+1.2	+2.1	+2.0	+1.4	+2.2	+2.4	+2.6	+2.7
강동구	19.7	31.5	21.7	5.8	19.7	32.1	22.1	5.5	20.8	32.4	22.6	6.8
	+1.2	+1.4	+1.7	+1.6	+1.2	+2.0	+2.1	+1.3	+2.3	+2.3	+2.6	+2.6
강북구	19.2	31.1	21.3	5.4	19.2	31.7	21.7	5.1	20.2	32.0	22.2	6.4
	+1.2	+1.5	+1.7	+1.7	+1.2	+2.1	+2.1	+1.4	+2.2	+2.4	+2.6	+2.7
강서구	19.2	31.2	21.6	5.7	19.1	31.8	22.1	5.4	20.2	32.0	22.6	6.7
	+1.2	+1.5	+1.6	+1.6	+1.1	+2.1	+2.1	+1.3	+2.2	+2.3	+2.6	+2.6
관악구	19.2	30.9	21.4	5.6	19.1	31.5	21.8	5.4	20.2	31.8	22.4	6.7
	+1.2	+1.5	+1.6	+1.6	+1.1	+2.1	+2.0	+1.4	+2.2	+2.4	+2.6	+2.7
광진구	19.6	31.4	21.6	5.9	19.6	32.1	22.0	5.6	20.6	32.3	22.6	6.9
	+1.2	+1.4	+1.6	+1.7	+1.2	+2.1	+2.0	+1.4	+2.2	+2.3	+2.6	+2.7
구로구	19.1	31.2	21.5	5.6	19.1	31.8	22.0	5.3	20.1	32.1	22.5	6.6
	+1.1	+1.5	+1.6	+1.6	+1.1	+2.1	+2.1	+1.3	+2.1	+2.4	+2.6	+2.6
금천구	18.9	30.8	21.4	5.7	18.9	31.4	21.8	5.4	19.9	31.7	22.4	6.7
	+1.1	+1.5	+1.6	+1.6	+1.1	+2.1	+2.0	+1.3	+2.1	+2.4	+2.6	+2.6
노원구	19.4	31.1	21.3	5.5	19.3	31.7	21.7	5.2	20.4	31.9	22.2	6.5
	+1.2	+1.5	+1.6	+1.7	+1.1	+2.1	+2.0	+1.4	+2.2	+2.3	+2.5	+2.7
도봉구	19.3	31.0	21.2	5.4	19.2	31.6	21.6	5.1	20.3	31.9	22.1	6.4
	+1.2	+1.5	+1.6	+1.6	+1.1	+2.1	+2.0	+1.3	+2.2	+2.4	+2.5	+2.6
동대문구	19.6	31.4	21.7	5.9	19.6	32.1	22.1	5.6	20.6	32.3	22.6	6.9
	+1.2	+1.4	+1.6	+1.7	+1.2	+2.1	+2.0	+1.4	+2.2	+2.3	+2.5	+2.7
동작구	19.3	31.2	21.5	5.6	19.2	31.8	21.9	5.3	20.2	32.0	22.4	6.6
	+1.2	+1.5	+1.6	+1.7	+1.1	+2.1	+2.0	+1.4	+2.1	+2.3	+2.5	+2.7
마포구	19.4	31.2	21.6	5.7	19.3	31.8	22.0	5.4	20.4	32.1	22.6	6.7
	+1.2	+1.5	+1.6	+1.7	+1.1	+2.1	+2.0	+1.4	+2.2	+2.4	+2.6	+2.7
서대문구	19.0	30.7	21.1	5.2	18.9	31.3	21.5	4.9	20.0	31.5	22.1	6.2
	+1.2	+1.5	+1.6	+1.7	+1.1	+2.1	+2.0	+1.4	+2.2	+2.3	+2.6	+2.7
서초구	19.7	31.6	21.8	5.9	19.6	32.2	22.2	5.6	20.6	32.5	22.7	6.9
	+1.3	+1.5	+1.6	+1.7	+1.2	+2.1	+2.0	+1.4	+2.2	+2.4	+2.5	+2.7
성동구	19.6	31.4	21.7	5.9	19.5	32.0	22.1	5.6	20.5	32.2	22.6	6.9
	+1.3	+1.5	+1.7	+1.7	+1.2	+2.1	+2.1	+1.4	+2.2	+2.3	+2.6	+2.7
성북구	19.1	31.0	21.2	5.4	19.1	31.6	21.6	5.1	20.1	31.9	22.2	6.4
	+1.2	+1.5	+1.6	+1.7	+1.2	+2.1	+2.0	+1.4	+2.2	+2.4	+2.6	+2.7
송파구	19.8	31.6	21.8	6.1	19.8	32.2	22.2	5.8	20.8	32.4	22.8	7.1
	+1.2	+1.5	+1.6	+1.7	+1.2	+2.1	+2.0	+1.4	+2.2	+2.3	+2.6	+2.7
양천구	19.3	31.3	21.7	5.7	19.2	31.9	22.1	5.4	20.3	32.1	22.6	6.7
	+1.2	+1.5	+1.6	+1.6	+1.1	+2.1	+2.0	+1.3	+2.2	+2.3	+2.5	+2.6
영등포구	19.4	31.4	21.7	5.8	19.4	32.0	22.2	5.5	20.4	32.3	22.7	6.8
	+1.2	+1.5	+1.6	+1.6	+1.2	+2.1	+2.1	+1.3	+2.2	+2.4	+2.6	+2.6
용산구	19.3	31.1	21.4	5.4	19.2	31.7	21.8	5.1	20.2	31.9	22.3	6.5
	+1.3	+1.5	+1.7	+1.6	+1.2	+2.1	+2.1	+1.3	+2.2	+2.3	+2.6	+2.7
은평구	19.3	31.0	21.4	5.5	19.2	31.7	21.8	5.2	20.3	31.9	22.4	6.5
	+1.2	+1.4	+1.6	+1.6	+1.1	+2.1	+2.0	+1.3	+2.2	+2.3	+2.6	+2.6
종로구	18.9	30.7	21.0	5.2	18.9	31.3	21.4	4.9	19.9	31.5	22.0	6.2
	+1.2	+1.5	+1.6	+1.7	+1.2	+2.1	+2.0	+1.4	+2.2	+2.3	+2.6	+2.7
중구	19.4	31.1	21.5	5.7	19.3	31.8	21.9	5.4	20.3	32.0	22.5	6.7
	+1.2	+1.4	+1.6	+1.7	+1.1	+2.1	+2.0	+1.4	+2.1	+2.3	+2.6	+2.7
종랑구	19.6	31.3	21.5	5.8	19.6	31.9	21.9	5.5	20.6	32.1	22.4	6.8
	+1.2	+1.5	+1.7	+1.7	+1.2	+2.1	+2.1	+1.4	+2.2	+2.3	+2.6	+2.7

표 4-14. 서울특별시의 계절별 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	19.3	31.5	21.4	4.8	19.8	32.2	22.5	6.4	21.5	33.2	23.8	8.0
	+1.2	+1.8	+1.5	+0.8	+1.7	+2.5	+2.6	+2.4	+3.4	+3.5	+3.9	+4.0
강남구	19.6	31.8	21.7	5.1	20.1	32.5	22.7	6.7	21.7	33.5	24.0	8.2
	+1.2	+1.8	+1.6	+0.9	+1.7	+2.5	+2.6	+2.5	+3.3	+3.5	+3.9	+4.0
강동구	19.7	31.8	21.6	5.0	20.2	32.5	22.7	6.6	21.9	33.5	23.9	8.1
	+1.2	+1.7	+1.6	+0.8	+1.7	+2.4	+2.7	+2.4	+3.4	+3.4	+3.9	+3.9
강북구	19.2	31.4	21.2	4.6	19.7	32.1	22.2	6.2	21.4	33.1	23.5	7.7
	+1.2	+1.8	+1.6	+0.9	+1.7	+2.5	+2.6	+2.5	+3.4	+3.5	+3.9	+4.0
강서구	19.1	31.4	21.6	4.9	19.7	32.1	22.7	6.5	21.3	33.2	23.9	8.0
	+1.1	+1.7	+1.6	+0.8	+1.7	+2.4	+2.7	+2.4	+3.3	+3.5	+3.9	+3.9
관악구	19.1	31.2	21.4	4.8	19.7	31.9	22.4	6.4	21.3	33.0	23.7	8.0
	+1.1	+1.8	+1.6	+0.8	+1.7	+2.5	+2.6	+2.4	+3.3	+3.6	+3.9	+4.0
광진구	19.6	31.7	21.5	5.1	20.1	32.4	22.6	6.7	21.7	33.5	23.9	8.2
	+1.2	+1.7	+1.5	+0.9	+1.7	+2.4	+2.6	+2.5	+3.3	+3.5	+3.9	+4.0
구로구	19.1	31.4	21.5	4.8	19.6	32.2	22.5	6.3	21.3	33.3	23.8	7.9
	+1.1	+1.7	+1.6	+0.8	+1.6	+2.5	+2.6	+2.3	+3.3	+3.6	+3.9	+3.9
금천구	18.9	31.0	21.4	4.9	19.4	31.8	22.4	6.4	21.1	32.9	23.7	8.0
	+1.1	+1.7	+1.6	+0.8	+1.6	+2.5	+2.6	+2.3	+3.3	+3.6	+3.9	+3.9
노원구	19.3	31.4	21.2	4.7	19.9	32.0	22.3	6.3	21.5	33.1	23.5	7.8
	+1.1	+1.8	+1.5	+0.9	+1.7	+2.4	+2.6	+2.5	+3.3	+3.5	+3.8	+4.0
도봉구	19.3	31.3	21.1	4.6	19.8	32.0	22.2	6.2	21.4	33.0	23.5	7.7
	+1.2	+1.8	+1.5	+0.8	+1.7	+2.5	+2.6	+2.4	+3.3	+3.5	+3.9	+3.9
동대문구	19.6	31.7	21.6	5.1	20.1	32.4	22.7	6.6	21.8	33.5	23.9	8.2
	+1.2	+1.7	+1.5	+0.9	+1.7	+2.4	+2.6	+2.4	+3.4	+3.5	+3.8	+4.0
동작구	19.2	31.4	21.4	4.8	19.7	32.2	22.5	6.3	21.4	33.2	23.8	7.9
	+1.1	+1.7	+1.5	+0.9	+1.6	+2.5	+2.6	+2.4	+3.3	+3.5	+3.9	+4.0
마포구	19.3	31.5	21.5	4.9	19.9	32.2	22.6	6.4	21.5	33.2	23.9	8.0
	+1.1	+1.8	+1.5	+0.9	+1.7	+2.5	+2.6	+2.4	+3.3	+3.5	+3.9	+4.0
서대문구	18.9	31.0	21.1	4.4	19.5	31.7	22.1	6.0	21.1	32.7	23.4	7.5
	+1.1	+1.8	+1.6	+0.9	+1.7	+2.5	+2.6	+2.5	+3.3	+3.5	+3.9	+4.0
서초구	19.6	31.9	21.7	5.1	20.1	32.6	22.8	6.6	21.8	33.6	24.1	8.2
	+1.2	+1.8	+1.5	+0.9	+1.7	+2.5	+2.6	+2.4	+3.4	+3.5	+3.9	+4.0
성동구	19.5	31.7	21.6	5.1	20.0	32.4	22.7	6.7	21.7	33.4	24.0	8.2
	+1.2	+1.8	+1.6	+0.9	+1.7	+2.5	+2.7	+2.5	+3.4	+3.5	+4.0	+4.0
성북구	19.1	31.3	21.2	4.6	19.6	32.0	22.2	6.1	21.3	33.0	23.5	7.7
	+1.2	+1.8	+1.6	+0.9	+1.7	+2.5	+2.6	+2.4	+3.4	+3.5	+3.9	+4.0
송파구	19.8	31.9	21.7	5.3	20.3	32.6	22.8	6.8	22.0	33.6	24.1	8.4
	+1.2	+1.8	+1.5	+0.9	+1.7	+2.5	+2.6	+2.4	+3.4	+3.5	+3.9	+4.0
양천구	19.2	31.5	21.6	4.9	19.7	32.3	22.7	6.4	21.4	33.3	24.0	8.0
	+1.1	+1.7	+1.5	+0.8	+1.6	+2.5	+2.6	+2.3	+3.3	+3.5	+3.9	+3.9
영등포구	19.4	31.7	21.7	5.0	19.9	32.4	22.8	6.5	21.6	33.5	24.0	8.1
	+1.2	+1.8	+1.6	+0.8	+1.7	+2.5	+2.7	+2.3	+3.4	+3.6	+3.9	+3.9
용산구	19.2	31.4	21.3	4.6	19.7	32.1	22.4	6.2	21.4	33.1	23.6	7.8
	+1.2	+1.8	+1.6	+0.8	+1.7	+2.5	+2.7	+2.4	+3.4	+3.5	+3.9	+4.0
은평구	19.2	31.3	21.4	4.7	19.7	32.0	22.4	6.3	21.4	33.1	23.7	7.8
	+1.1	+1.7	+1.6	+0.8	+1.6	+2.4	+2.6	+2.4	+3.3	+3.5	+3.9	+3.9
종로구	18.9	31.0	21.0	4.4	19.4	31.7	22.0	5.9	21.0	32.7	23.3	7.5
	+1.2	+1.8	+1.6	+0.9	+1.7	+2.5	+2.6	+2.4	+3.3	+3.5	+3.9	+4.0
중구	19.3	31.5	21.5	4.9	19.8	32.1	22.5	6.4	21.5	33.2	23.8	8.0
	+1.1	+1.8	+1.6	+0.9	+1.6	+2.4	+2.6	+2.4	+3.3	+3.5	+3.9	+4.0
종각구	19.6	31.6	21.4	4.9	20.1	32.3	22.5	6.5	21.8	33.3	23.7	8.1
	+1.2	+1.8	+1.6	+0.8	+1.7	+2.5	+2.7	+2.4	+3.4	+3.5	+3.9	+4.0

표 4-15. 서울특별시의 계절별 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	19.5	31.3	20.9	5.4	20.5	32.8	22.8	7.4	23.3	35.4	26.0	10.0
	+1.4	+1.6	+1.0	+1.4	+2.4	+3.1	+2.9	+3.4	+5.2	+5.7	+6.1	+6.0
강남구	19.8	31.6	21.1	5.7	20.8	33.2	23.0	7.7	23.6	35.7	26.2	10.3
	+1.4	+1.6	+1.0	+1.5	+2.4	+3.2	+2.9	+3.5	+5.2	+5.7	+6.1	+6.1
강동구	19.9	31.7	21.0	5.6	21.0	33.2	23.0	7.6	23.7	35.7	26.1	10.2
	+1.4	+1.6	+1.0	+1.4	+2.5	+3.1	+3.0	+3.4	+5.2	+5.6	+6.1	+6.0
강북구	19.4	31.3	20.6	5.2	20.4	32.7	22.5	7.2	23.1	35.3	25.7	9.8
	+1.4	+1.7	+1.0	+1.5	+2.4	+3.1	+2.9	+3.5	+5.1	+5.7	+6.1	+6.1
강서구	19.3	31.2	21.0	5.5	20.3	32.8	22.9	7.5	23.1	35.4	26.1	10.1
	+1.3	+1.5	+1.0	+1.4	+2.3	+3.1	+2.9	+3.4	+5.1	+5.7	+6.1	+6.0
관악구	19.3	31.0	20.8	5.5	20.3	32.5	22.7	7.4	23.1	35.1	25.9	10.0
	+1.3	+1.6	+1.0	+1.5	+2.3	+3.1	+2.9	+3.4	+5.1	+5.7	+6.1	+6.0
광진구	19.8	31.6	21.0	5.7	20.9	33.1	22.9	7.7	23.6	35.6	26.1	10.3
	+1.4	+1.6	+1.0	+1.5	+2.5	+3.1	+2.9	+3.5	+5.2	+5.6	+6.1	+6.1
구로구	19.3	31.3	20.9	5.4	20.3	32.8	22.8	7.3	23.0	35.4	26.0	9.9
	+1.3	+1.6	+1.0	+1.4	+2.3	+3.1	+2.9	+3.3	+5.0	+5.7	+6.1	+5.9
금천구	19.1	30.9	20.8	5.5	20.1	32.4	22.7	7.5	22.8	35.0	25.9	10.0
	+1.3	+1.6	+1.0	+1.4	+2.3	+3.1	+2.9	+3.4	+5.0	+5.7	+6.1	+5.9
노원구	19.6	31.2	20.7	5.3	20.6	32.7	22.6	7.3	23.3	35.3	25.8	9.9
	+1.4	+1.6	+1.0	+1.5	+2.4	+3.1	+2.9	+3.5	+5.1	+5.7	+6.1	+6.1
도봉구	19.5	31.2	20.6	5.2	20.5	32.7	22.5	7.2	23.3	35.2	25.7	9.8
	+1.4	+1.7	+1.0	+1.4	+2.4	+3.2	+2.9	+3.4	+5.2	+5.7	+6.1	+6.0
동대문구	19.8	31.6	21.0	5.7	20.8	33.1	23.0	7.7	23.6	35.6	26.1	10.3
	+1.4	+1.6	+0.9	+1.5	+2.4	+3.1	+2.9	+3.5	+5.2	+5.6	+6.0	+6.1
동작구	19.4	31.3	20.9	5.4	20.4	32.8	22.8	7.3	23.2	35.4	26.0	9.9
	+1.3	+1.6	+1.0	+1.5	+2.3	+3.1	+2.9	+3.4	+5.1	+5.7	+6.1	+6.0
마포구	19.5	31.3	21.0	5.5	20.6	32.8	22.9	7.4	23.3	35.4	26.1	10.0
	+1.3	+1.6	+1.0	+1.5	+2.4	+3.1	+2.9	+3.4	+5.1	+5.7	+6.1	+6.0
서대문구	19.1	30.8	20.5	5.0	20.1	32.3	22.4	7.0	22.9	34.9	25.6	9.6
	+1.3	+1.6	+1.0	+1.5	+2.3	+3.1	+2.9	+3.5	+5.1	+5.7	+6.1	+6.1
서초구	19.8	31.7	21.2	5.7	20.8	33.2	23.1	7.6	23.6	35.8	26.3	10.3
	+1.4	+1.6	+1.0	+1.5	+2.4	+3.1	+2.9	+3.4	+5.2	+5.7	+6.1	+6.1
성동구	19.7	31.5	21.1	5.7	20.8	33.1	23.0	7.7	23.5	35.6	26.2	10.3
	+1.4	+1.6	+1.1	+1.5	+2.5	+3.2	+3.0	+3.5	+5.2	+5.7	+6.2	+6.1
성북구	19.3	31.1	20.6	5.2	20.3	32.7	22.5	7.2	23.0	35.2	25.7	9.8
	+1.4	+1.6	+1.0	+1.5	+2.4	+3.2	+2.9	+3.5	+5.1	+5.7	+6.1	+6.1
송파구	20.0	31.7	21.2	5.9	21.0	33.2	23.1	7.8	23.8	35.8	26.3	10.4
	+1.4	+1.6	+1.0	+1.5	+2.4	+3.1	+2.9	+3.4	+5.2	+5.7	+6.1	+6.0
양천구	19.4	31.4	21.1	5.5	20.4	32.9	23.0	7.4	23.1	35.5	26.1	10.0
	+1.3	+1.6	+1.0	+1.4	+2.3	+3.1	+2.9	+3.3	+5.0	+5.7	+6.0	+5.9
영등포구	19.6	31.5	21.2	5.6	20.6	33.0	23.1	7.5	23.3	35.6	26.3	10.1
	+1.4	+1.6	+1.1	+1.4	+2.4	+3.1	+3.0	+3.3	+5.1	+5.7	+6.2	+5.9
용산구	19.4	31.2	20.7	5.2	20.4	32.7	22.7	7.2	23.2	35.3	25.9	9.8
	+1.4	+1.6	+1.0	+1.4	+2.4	+3.1	+3.0	+3.4	+5.2	+5.7	+6.2	+6.0
은평구	19.4	31.2	20.8	5.3	20.4	32.7	22.7	7.2	23.2	35.3	25.9	9.9
	+1.3	+1.6	+1.0	+1.4	+2.3	+3.1	+2.9	+3.3	+5.1	+5.7	+6.1	+6.0
종로구	19.1	30.8	20.4	5.0	20.1	32.3	22.3	6.9	22.8	34.9	25.5	9.6
	+1.4	+1.6	+1.0	+1.5	+2.4	+3.1	+2.9	+3.4	+5.1	+5.7	+6.1	+6.1
중구	19.5	31.3	20.9	5.5	20.6	32.8	22.8	7.4	23.3	35.4	26.0	10.1
	+1.3	+1.6	+1.0	+1.5	+2.4	+3.1	+2.9	+3.4	+5.1	+5.7	+6.1	+6.1
종랑구	19.8	31.4	20.8	5.6	20.8	32.9	22.8	7.5	23.6	35.5	25.9	10.2
	+1.4	+1.6	+1.0	+1.5	+2.4	+3.1	+3.0	+3.4	+5.2	+5.7	+6.1	+6.1

표 4-16. 서울특별시의 계절별 최고기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	19.3	31.4	21.5	6.2	20.8	32.9	23.3	7.2	24.2	36.6	27.4	10.7
	+1.2	+1.7	+1.6	+2.2	+2.7	+3.2	+3.4	+3.2	+6.1	+6.9	+7.5	+6.7
강남구	19.5	31.7	21.7	6.4	21.1	33.2	23.5	7.4	24.4	36.9	27.6	10.9
	+1.1	+1.7	+1.6	+2.2	+2.7	+3.2	+3.4	+3.2	+6.0	+6.9	+7.5	+6.7
강동구	19.7	31.8	21.7	6.3	21.2	33.2	23.5	7.3	24.6	36.9	27.5	10.8
	+1.2	+1.7	+1.7	+2.1	+2.7	+3.1	+3.5	+3.1	+6.1	+6.8	+7.5	+6.6
강북구	19.2	31.3	21.3	5.9	20.7	32.8	23.1	6.9	24.1	36.5	27.2	10.4
	+1.2	+1.7	+1.7	+2.2	+2.7	+3.2	+3.5	+3.2	+6.1	+6.9	+7.6	+6.7
강서구	19.1	31.4	21.7	6.2	20.6	32.8	23.5	7.2	24.0	36.5	27.5	10.7
	+1.1	+1.7	+1.7	+2.1	+2.6	+3.1	+3.5	+3.1	+6.0	+6.8	+7.5	+6.6
관악구	19.1	31.1	21.5	6.2	20.6	32.6	23.3	7.2	24.0	36.3	27.3	10.7
	+1.1	+1.7	+1.7	+2.2	+2.6	+3.2	+3.5	+3.2	+6.0	+6.9	+7.5	+6.7
광진구	19.6	31.7	21.6	6.4	21.1	33.1	23.4	7.4	24.5	36.9	27.5	10.9
	+1.2	+1.7	+1.6	+2.2	+2.7	+3.1	+3.4	+3.2	+6.1	+6.9	+7.5	+6.7
구로구	19.1	31.4	21.5	6.1	20.6	32.9	23.4	7.1	23.9	36.6	27.4	10.6
	+1.1	+1.7	+1.6	+2.1	+2.6	+3.2	+3.5	+3.1	+5.9	+6.9	+7.5	+6.6
금천구	18.9	31.0	21.4	6.2	20.4	32.5	23.3	7.2	23.7	36.2	27.3	10.7
	+1.1	+1.7	+1.6	+2.1	+2.6	+3.2	+3.5	+3.1	+5.9	+6.9	+7.5	+6.6
노원구	19.3	31.3	21.3	6.0	20.9	32.7	23.1	7.0	24.3	36.5	27.2	10.5
	+1.1	+1.7	+1.6	+2.2	+2.7	+3.1	+3.4	+3.2	+6.1	+6.9	+7.5	+6.7
도봉구	19.2	31.3	21.2	5.9	20.8	32.7	23.0	6.9	24.2	36.4	27.1	10.5
	+1.1	+1.8	+1.6	+2.1	+2.7	+3.2	+3.4	+3.1	+6.1	+6.9	+7.5	+6.7
동대문구	19.6	31.7	21.7	6.4	21.1	33.1	23.5	7.4	24.5	36.9	27.6	10.9
	+1.2	+1.7	+1.6	+2.2	+2.7	+3.1	+3.4	+3.2	+6.1	+6.9	+7.5	+6.7
동작구	19.2	31.4	21.5	6.1	20.7	32.8	23.3	7.1	24.1	36.5	27.4	10.6
	+1.1	+1.7	+1.6	+2.2	+2.6	+3.1	+3.4	+3.2	+6.0	+6.8	+7.5	+6.7
마포구	19.3	31.4	21.6	6.2	20.8	32.9	23.4	7.2	24.2	36.6	27.5	10.7
	+1.1	+1.7	+1.6	+2.2	+2.6	+3.2	+3.4	+3.2	+6.0	+6.9	+7.5	+6.7
서대문구	18.9	30.9	21.1	5.7	20.4	32.4	22.9	6.7	23.8	36.1	27.0	10.2
	+1.1	+1.7	+1.6	+2.2	+2.6	+3.2	+3.4	+3.2	+6.0	+6.9	+7.5	+6.7
서초구	19.6	31.9	21.8	6.4	21.1	33.3	23.6	7.4	24.5	37.0	27.7	10.9
	+1.2	+1.8	+1.6	+2.2	+2.7	+3.2	+3.4	+3.2	+6.1	+6.9	+7.5	+6.7
성동구	19.5	31.7	21.7	6.4	21.0	33.1	23.5	7.4	24.4	36.8	27.6	10.9
	+1.2	+1.8	+1.7	+2.2	+2.7	+3.2	+3.5	+3.2	+6.1	+6.9	+7.6	+6.7
성북구	19.1	31.2	21.2	5.9	20.6	32.7	23.0	6.9	24.0	36.4	27.1	10.4
	+1.2	+1.7	+1.6	+2.2	+2.7	+3.2	+3.4	+3.2	+6.1	+6.9	+7.5	+6.7
송파구	19.8	31.8	21.8	6.6	21.3	33.3	23.6	7.6	24.7	37.0	27.7	11.1
	+1.2	+1.7	+1.6	+2.2	+2.7	+3.2	+3.4	+3.2	+6.1	+6.9	+7.5	+6.7
양천구	19.2	31.5	21.7	6.2	20.7	33.0	23.5	7.2	24.1	36.7	27.6	10.7
	+1.1	+1.7	+1.6	+2.1	+2.6	+3.2	+3.4	+3.1	+6.0	+6.9	+7.5	+6.6
영등포구	19.4	31.7	21.8	6.3	20.9	33.1	23.6	7.3	24.2	36.8	27.7	10.8
	+1.2	+1.8	+1.7	+2.1	+2.7	+3.2	+3.5	+3.1	+6.0	+6.9	+7.6	+6.6
용산구	19.2	31.3	21.4	6.0	20.7	32.8	23.2	6.9	24.1	36.5	27.3	10.5
	+1.2	+1.7	+1.7	+2.2	+2.7	+3.2	+3.5	+3.1	+6.1	+6.9	+7.6	+6.7
은평구	19.2	31.3	21.4	6.0	20.7	32.7	23.3	7.0	24.1	36.5	27.4	10.5
	+1.1	+1.7	+1.6	+2.1	+2.6	+3.1	+3.5	+3.1	+6.0	+6.9	+7.6	+6.6
종로구	18.9	30.9	21.0	5.7	20.4	32.3	22.9	6.7	23.8	36.1	27.0	10.2
	+1.2	+1.7	+1.6	+2.2	+2.7	+3.1	+3.5	+3.2	+6.1	+6.9	+7.6	+6.7
중구	19.3	31.4	21.5	6.2	20.8	32.8	23.3	7.2	24.2	36.6	27.4	10.7
	+1.1	+1.7	+1.6	+2.2	+2.6	+3.1	+3.4	+3.2	+6.0	+6.9	+7.5	+6.7
종량구	19.6	31.5	21.5	6.3	21.1	33.0	23.3	7.2	24.5	36.7	27.4	10.8
	+1.2	+1.7	+1.7	+2.2	+2.7	+3.2	+3.5	+3.1	+6.1	+6.9	+7.6	+6.7

### 3) 연평균 최저기온

- SSP 시나리오에 따른 서울특별시 연평균 최저기온은 현재(2000-2019년, 9.0℃) 대비 21세기 중반기에 1.7~3.1℃, 21세기 후반기에 2.4~6.7℃ 상승할 것으로 전망됨.
  - SSP1-2.6 시나리오에서 서울특별시 연평균 최저기온은 현재 대비 21세기 중반기에 1.7℃, 후반기에 2.4℃ 상승할 것으로 전망됨.
  - SSP2-4.5 시나리오에서 서울특별시 연평균 최저기온은 현재 대비 21세기 중반기에 2.3℃, 후반기에 3.8℃ 상승할 것으로 전망됨.
  - SSP3-7.0 시나리오에서 서울특별시 연평균 최저기온은 현재 대비 21세기 중반기에 2.9℃, 후반기에 5.7℃ 상승할 것으로 전망됨.
  - SSP5-8.5 시나리오에서 서울특별시 연평균 최저기온은 현재 대비 21세기 중반기에 3.1℃, 후반기에 6.7℃ 상승할 것으로 전망됨.
- SSP5-8.5 시나리오에서 현재 대비 21세기 하반기 서울특별시 연평균 최저기온 상승폭(+6.7℃)은 SSP1-2.6 시나리오에서의 상승폭(+2.4℃)보다 4.3℃ 크게 나타남.
- 현재(2000-2019년) 서울특별시 연평균 최저기온(9.0℃)은 우리나라 평균(7.8℃)보다 1.2℃ 높으며 SSP5-8.5에서 21세기 하반기 서울특별시 연평균 최저기온 상승폭(+6.7℃)은 우리나라 평균 상승폭(+6.4℃)보다 크게 나타남.

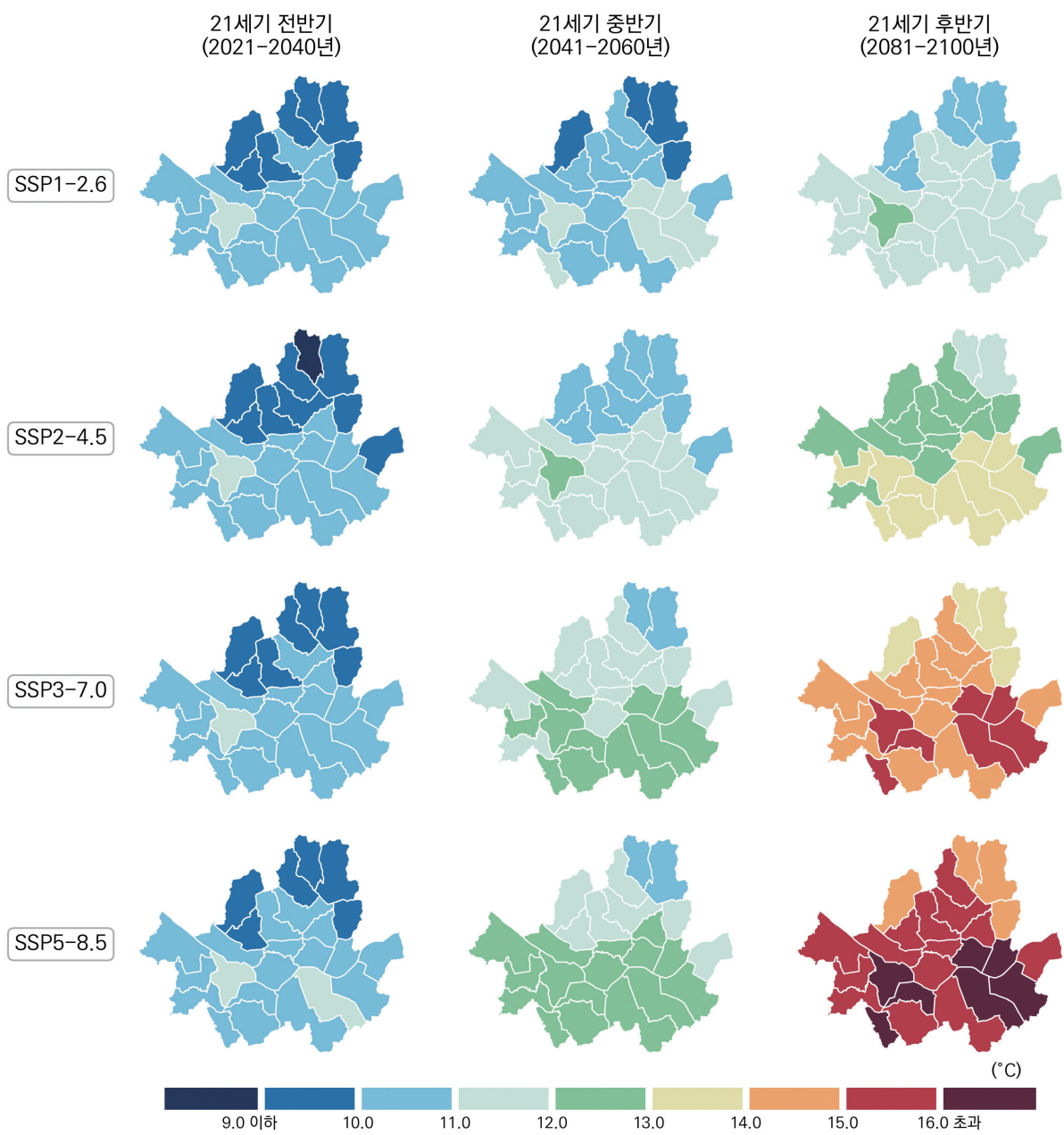


그림 4-11. 서울특별시의 연평균 최저기온(°C) 전망 분포도

표 4-17. 서울특별시의 연평균 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	9.0	10.2 +1.2	10.6 +1.6	10.7 +1.7	10.6 +1.6	11.1 +2.1	11.2 +2.2	11.3 +2.3	11.5 +2.5	10.4 +1.4	10.7 +1.7	11.4 +2.4
강남구	9.6	10.8 +1.2	11.2 +1.6	11.3 +1.7	11.2 +1.6	11.7 +2.1	11.8 +2.2	11.9 +2.3	12.1 +2.5	11.0 +1.4	11.3 +1.7	12.0 +2.4
강동구	8.7	9.9 +1.2	10.3 +1.6	10.4 +1.7	10.3 +1.6	10.9 +2.2	10.9 +2.2	11.0 +2.3	11.2 +2.5	10.1 +1.4	10.4 +1.7	11.1 +2.4
강북구	8.5	9.7 +1.2	10.1 +1.6	10.2 +1.7	10.1 +1.6	10.6 +2.1	10.7 +2.2	10.8 +2.3	11.0 +2.5	9.9 +1.4	10.1 +1.6	10.9 +2.4
강서구	9.1	10.3 +1.2	10.7 +1.6	10.8 +1.7	10.7 +1.6	11.2 +2.1	11.3 +2.2	11.4 +2.3	11.6 +2.5	10.5 +1.4	10.8 +1.7	11.5 +2.4
관악구	9.3	10.5 +1.2	10.8 +1.5	10.9 +1.6	10.9 +1.6	11.4 +2.1	11.4 +2.1	11.6 +2.3	11.7 +2.4	10.7 +1.4	10.9 +1.6	11.7 +2.4
광진구	9.4	10.6 +1.2	11.0 +1.6	11.1 +1.7	11.0 +1.6	11.6 +2.2	11.6 +2.2	11.7 +2.3	11.9 +2.5	10.8 +1.4	11.1 +1.7	11.8 +2.4
구로구	9.2	10.4 +1.2	10.8 +1.6	10.8 +1.6	10.8 +1.6	11.3 +2.1	11.4 +2.2	11.5 +2.3	11.7 +2.5	10.6 +1.4	10.8 +1.6	11.6 +2.4
금천구	9.5	10.7 +1.2	11.1 +1.6	11.2 +1.7	11.2 +1.7	11.7 +2.2	11.7 +2.2	11.8 +2.3	12.0 +2.5	10.9 +1.4	11.2 +1.7	11.9 +2.4
노원구	7.9	9.1 +1.2	9.4 +1.5	9.6 +1.7	9.5 +1.6	10.0 +2.1	10.0 +2.1	10.2 +2.3	10.3 +2.4	9.3 +1.4	9.5 +1.6	10.3 +2.4
도봉구	7.8	9.0 +1.2	9.4 +1.6	9.5 +1.7	9.4 +1.6	9.9 +2.1	10.0 +2.2	10.1 +2.3	10.3 +2.5	9.2 +1.4	9.5 +1.7	10.2 +2.4
동대문구	9.2	10.4 +1.2	10.7 +1.5	10.8 +1.6	10.8 +1.6	11.3 +2.1	11.3 +2.1	11.4 +2.2	11.6 +2.4	10.5 +1.3	10.8 +1.6	11.5 +2.3
동작구	9.4	10.6 +1.2	11.0 +1.6	11.0 +1.6	11.0 +1.6	11.5 +2.1	11.5 +2.1	11.7 +2.3	11.8 +2.4	10.8 +1.4	11.0 +1.6	11.8 +2.4
마포구	9.2	10.4 +1.2	10.8 +1.6	10.9 +1.7	10.8 +1.6	11.4 +2.2	11.4 +2.2	11.5 +2.3	11.7 +2.5	10.6 +1.4	10.9 +1.7	11.6 +2.4
서대문구	8.5	9.7 +1.2	10.0 +1.5	10.2 +1.7	10.1 +1.6	10.6 +2.1	10.7 +2.2	10.8 +2.3	10.9 +2.4	9.9 +1.4	10.1 +1.6	10.9 +2.4
서초구	9.3	10.5 +1.2	10.9 +1.6	11.0 +1.7	10.9 +1.6	11.4 +2.1	11.5 +2.2	11.6 +2.3	11.7 +2.4	10.7 +1.4	10.9 +1.6	11.7 +2.4
성동구	9.5	10.7 +1.2	11.1 +1.6	11.2 +1.7	11.1 +1.6	11.6 +2.1	11.7 +2.2	11.8 +2.3	11.9 +2.4	10.9 +1.4	11.1 +1.6	11.9 +2.4
성북구	8.7	9.9 +1.2	10.3 +1.6	10.4 +1.7	10.3 +1.6	10.9 +2.2	10.9 +2.2	11.0 +2.3	11.2 +2.5	10.1 +1.4	10.4 +1.7	11.1 +2.4
송파구	9.5	10.6 +1.1	11.0 +1.5	11.1 +1.6	11.0 +1.5	11.5 +2.0	11.6 +2.1	11.7 +2.2	11.9 +2.4	10.8 +1.3	11.1 +1.6	11.8 +2.3
양천구	9.3	10.5 +1.2	10.9 +1.6	11.0 +1.7	10.9 +1.6	11.4 +2.1	11.5 +2.2	11.6 +2.3	11.8 +2.5	10.7 +1.4	11.0 +1.7	11.7 +2.4
영등포구	9.8	11.0 +1.2	11.4 +1.6	11.5 +1.7	11.4 +1.6	12.0 +2.2	12.0 +2.2	12.1 +2.3	12.3 +2.5	11.2 +1.4	11.5 +1.7	12.2 +2.4
용산구	9.2	10.4 +1.2	10.7 +1.5	10.8 +1.6	10.8 +1.6	11.3 +2.1	11.3 +2.1	11.5 +2.3	11.6 +2.4	10.6 +1.4	10.8 +1.6	11.6 +2.4
은평구	8.3	9.5 +1.2	9.9 +1.6	10.0 +1.7	9.9 +1.6	10.5 +2.2	10.5 +2.2	10.6 +2.3	10.8 +2.5	9.7 +1.4	10.0 +1.7	10.7 +2.4
종로구	8.7	9.9 +1.2	10.2 +1.5	10.3 +1.6	10.3 +1.6	10.8 +2.1	10.8 +2.1	11.0 +2.3	11.1 +2.4	10.0 +1.3	10.3 +1.6	11.1 +2.4
중구	9.2	10.4 +1.2	10.7 +1.5	10.8 +1.6	10.8 +1.6	11.3 +2.1	11.3 +2.1	11.5 +2.3	11.6 +2.4	10.6 +1.4	10.8 +1.6	11.5 +2.3
종량구	8.3	9.5 +1.2	9.9 +1.6	10.0 +1.7	9.9 +1.6	10.5 +2.2	10.5 +2.2	10.6 +2.3	10.8 +2.5	9.7 +1.4	10.0 +1.7	10.7 +2.4



표 4-18. 서울특별시의 연평균 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	9.0	10.3	10.3	11.2	11.4	12.2	12.1	12.8	12.8	10.3	11.3	12.8
		+1.3	+1.3	+2.2	+2.4	+3.2	+3.1	+3.8	+3.8	+1.3	+2.3	+3.8
강남구	9.6	10.9	10.9	11.8	12.0	12.8	12.7	13.3	13.4	10.9	11.9	13.4
		+1.3	+1.3	+2.2	+2.4	+3.2	+3.1	+3.7	+3.8	+1.3	+2.3	+3.8
강동구	8.7	10.0	10.0	10.9	11.2	11.9	11.8	12.5	12.5	10.0	11.0	12.5
		+1.3	+1.3	+2.2	+2.5	+3.2	+3.1	+3.8	+3.8	+1.3	+2.3	+3.8
강북구	8.5	9.8	9.7	10.7	11.0	11.7	11.6	12.3	12.3	9.7	10.8	12.3
		+1.3	+1.2	+2.2	+2.5	+3.2	+3.1	+3.8	+3.8	+1.2	+2.3	+3.8
강서구	9.1	10.4	10.4	11.3	11.5	12.3	12.2	12.9	12.9	10.4	11.4	12.9
		+1.3	+1.3	+2.2	+2.4	+3.2	+3.1	+3.8	+3.8	+1.3	+2.3	+3.8
관악구	9.3	10.5	10.6	11.4	11.7	12.4	12.4	13.0	13.1	10.5	11.6	13.1
		+1.2	+1.3	+2.1	+2.4	+3.1	+3.1	+3.7	+3.8	+1.2	+2.3	+3.8
광진구	9.4	10.7	10.7	11.6	11.9	12.6	12.5	13.2	13.2	10.7	11.7	13.2
		+1.3	+1.3	+2.2	+2.5	+3.2	+3.1	+3.8	+3.8	+1.3	+2.3	+3.8
구로구	9.2	10.5	10.4	11.3	11.6	12.3	12.3	12.9	13.0	10.5	11.5	13.0
		+1.3	+1.2	+2.1	+2.4	+3.1	+3.1	+3.7	+3.8	+1.3	+2.3	+3.8
금천구	9.5	10.8	10.8	11.7	12.0	12.6	12.6	13.3	13.3	10.8	11.8	13.3
		+1.3	+1.3	+2.2	+2.5	+3.1	+3.1	+3.8	+3.8	+1.3	+2.3	+3.8
노원구	7.9	9.1	9.1	10.1	10.3	11.0	11.0	11.6	11.7	9.1	10.2	11.7
		+1.2	+1.2	+2.2	+2.4	+3.1	+3.1	+3.7	+3.8	+1.2	+2.3	+3.8
도봉구	7.8	9.1	9.0	10.0	10.3	11.0	10.9	11.6	11.6	9.0	10.1	11.6
		+1.3	+1.2	+2.2	+2.5	+3.2	+3.1	+3.8	+3.8	+1.2	+2.3	+3.8
동대문구	9.2	10.4	10.4	11.3	11.6	12.3	12.3	12.9	13.0	10.4	11.4	12.9
		+1.2	+1.2	+2.1	+2.4	+3.1	+3.1	+3.7	+3.8	+1.2	+2.2	+3.7
동작구	9.4	10.7	10.7	11.5	11.8	12.5	12.5	13.1	13.2	10.7	11.7	13.2
		+1.3	+1.3	+2.1	+2.4	+3.1	+3.1	+3.7	+3.8	+1.3	+2.3	+3.8
마포구	9.2	10.5	10.5	11.4	11.6	12.4	12.3	13.0	13.0	10.5	11.5	13.0
		+1.3	+1.3	+2.2	+2.4	+3.2	+3.1	+3.8	+3.8	+1.3	+2.3	+3.8
서대문구	8.5	9.7	9.7	10.6	10.9	11.6	11.6	12.2	12.3	9.7	10.8	12.3
		+1.2	+1.2	+2.1	+2.4	+3.1	+3.1	+3.7	+3.8	+1.2	+2.3	+3.8
서초구	9.3	10.6	10.6	11.4	11.7	12.4	12.4	13.0	13.1	10.6	11.6	13.1
		+1.3	+1.3	+2.1	+2.4	+3.1	+3.1	+3.7	+3.8	+1.3	+2.3	+3.8
성동구	9.5	10.7	10.7	11.6	11.9	12.6	12.6	13.2	13.3	10.7	11.8	13.3
		+1.2	+1.2	+2.1	+2.4	+3.1	+3.1	+3.7	+3.8	+1.2	+2.3	+3.8
성북구	8.7	10.0	10.0	10.9	11.2	11.9	11.9	12.5	12.5	10.0	11.0	12.5
		+1.3	+1.3	+2.2	+2.5	+3.2	+3.2	+3.8	+3.8	+1.3	+2.3	+3.8
송파구	9.5	10.7	10.7	11.6	11.9	12.6	12.5	13.2	13.2	10.7	11.7	13.2
		+1.2	+1.2	+2.1	+2.4	+3.1	+3.0	+3.7	+3.7	+1.2	+2.2	+3.7
양천구	9.3	10.6	10.6	11.5	11.8	12.5	12.4	13.1	13.1	10.6	11.6	13.1
		+1.3	+1.3	+2.2	+2.5	+3.2	+3.1	+3.8	+3.8	+1.3	+2.3	+3.8
영등포구	9.8	11.1	11.1	12.0	12.3	13.0	12.9	13.6	13.6	11.1	12.1	13.6
		+1.3	+1.3	+2.2	+2.5	+3.2	+3.1	+3.8	+3.8	+1.3	+2.3	+3.8
용산구	9.2	10.4	10.4	11.3	11.6	12.3	12.3	12.9	13.0	10.4	11.5	13.0
		+1.2	+1.2	+2.1	+2.4	+3.1	+3.1	+3.7	+3.8	+1.2	+2.3	+3.8
은평구	8.3	9.6	9.6	10.5	10.8	11.5	11.4	12.1	12.1	9.6	10.6	12.1
		+1.3	+1.3	+2.2	+2.5	+3.2	+3.1	+3.8	+3.8	+1.3	+2.3	+3.8
종로구	8.7	9.9	9.9	10.8	11.1	11.8	11.8	12.4	12.5	9.9	10.9	12.4
		+1.2	+1.2	+2.1	+2.4	+3.1	+3.1	+3.7	+3.8	+1.2	+2.2	+3.7
중구	9.2	10.4	10.4	11.3	11.6	12.3	12.3	12.9	13.0	10.4	11.4	12.9
		+1.2	+1.2	+2.1	+2.4	+3.1	+3.1	+3.7	+3.8	+1.2	+2.2	+3.7
종랑구	8.3	9.6	9.6	10.5	10.8	11.5	11.4	12.1	12.1	9.6	10.6	12.1
		+1.3	+1.3	+2.2	+2.5	+3.2	+3.1	+3.8	+3.8	+1.3	+2.3	+3.8

표 4-19. 서울특별시의 연평균 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	9.0	10.0	10.8	11.5	12.2	12.9	13.4	14.3	15.1	10.4	11.9	14.7
		+1.0	+1.8	+2.5	+3.2	+3.9	+4.4	+5.3	+6.1	+1.4	+2.9	+5.7
강남구	9.6	10.6	11.4	12.1	12.8	13.5	14.0	14.9	15.7	11.0	12.5	15.3
		+1.0	+1.8	+2.5	+3.2	+3.9	+4.4	+5.3	+6.1	+1.4	+2.9	+5.7
강동구	8.7	9.7	10.5	11.2	11.9	12.6	13.1	14.0	14.8	10.1	11.6	14.4
		+1.0	+1.8	+2.5	+3.2	+3.9	+4.4	+5.3	+6.1	+1.4	+2.9	+5.7
강북구	8.5	9.5	10.3	11.0	11.7	12.4	12.9	13.8	14.6	9.9	11.4	14.2
		+1.0	+1.8	+2.5	+3.2	+3.9	+4.4	+5.3	+6.1	+1.4	+2.9	+5.7
강서구	9.1	10.1	10.9	11.6	12.3	13.0	13.4	14.4	15.2	10.5	12.0	14.8
		+1.0	+1.8	+2.5	+3.2	+3.9	+4.3	+5.3	+6.1	+1.4	+2.9	+5.7
관악구	9.3	10.2	11.0	11.8	12.5	13.2	13.6	14.6	15.4	10.6	12.1	15.0
		+0.9	+1.7	+2.5	+3.2	+3.9	+4.3	+5.3	+6.1	+1.3	+2.8	+5.7
광진구	9.4	10.4	11.2	12.0	12.6	13.3	13.8	14.8	15.5	10.8	12.3	15.1
		+1.0	+1.8	+2.6	+3.2	+3.9	+4.4	+5.4	+6.1	+1.4	+2.9	+5.7
구로구	9.2	10.1	10.9	11.7	12.4	13.1	13.5	14.5	15.3	10.5	12.0	14.9
		+0.9	+1.7	+2.5	+3.2	+3.9	+4.3	+5.3	+6.1	+1.3	+2.8	+5.7
금천구	9.5	10.5	11.3	12.0	12.7	13.4	13.9	14.8	15.6	10.9	12.4	15.2
		+1.0	+1.8	+2.5	+3.2	+3.9	+4.4	+5.3	+6.1	+1.4	+2.9	+5.7
노원구	7.9	8.8	9.6	10.4	11.1	11.8	12.3	13.2	14.0	9.2	10.7	13.6
		+0.9	+1.7	+2.5	+3.2	+3.9	+4.4	+5.3	+6.1	+1.3	+2.8	+5.7
도봉구	7.8	8.8	9.6	10.3	11.0	11.7	12.2	13.1	13.9	9.2	10.7	13.5
		+1.0	+1.8	+2.5	+3.2	+3.9	+4.4	+5.3	+6.1	+1.4	+2.9	+5.7
동대문구	9.2	10.1	10.9	11.7	12.3	13.0	13.5	14.5	15.3	10.5	12.0	14.9
		+0.9	+1.7	+2.5	+3.1	+3.8	+4.3	+5.3	+6.1	+1.3	+2.8	+5.7
동작구	9.4	10.3	11.1	11.9	12.6	13.3	13.7	14.7	15.5	10.7	12.2	15.1
		+0.9	+1.7	+2.5	+3.2	+3.9	+4.3	+5.3	+6.1	+1.3	+2.8	+5.7
마포구	9.2	10.2	11.0	11.7	12.4	13.1	13.6	14.6	15.3	10.6	12.1	14.9
		+1.0	+1.8	+2.5	+3.2	+3.9	+4.4	+5.4	+6.1	+1.4	+2.9	+5.7
서대문구	8.5	9.4	10.2	11.0	11.7	12.4	12.8	13.8	14.6	9.8	11.4	14.2
		+0.9	+1.7	+2.5	+3.2	+3.9	+4.3	+5.3	+6.1	+1.3	+2.9	+5.7
서초구	9.3	10.3	11.0	11.8	12.5	13.2	13.6	14.6	15.4	10.6	12.1	15.0
		+1.0	+1.7	+2.5	+3.2	+3.9	+4.3	+5.3	+6.1	+1.3	+2.8	+5.7
성동구	9.5	10.5	11.2	12.0	12.7	13.4	13.8	14.8	15.6	10.8	12.4	15.2
		+1.0	+1.7	+2.5	+3.2	+3.9	+4.3	+5.3	+6.1	+1.3	+2.9	+5.7
성북구	8.7	9.7	10.5	11.3	11.9	12.6	13.1	14.1	14.8	10.1	11.6	14.5
		+1.0	+1.8	+2.6	+3.2	+3.9	+4.4	+5.4	+6.1	+1.4	+2.9	+5.8
송파구	9.5	10.4	11.2	12.0	12.6	13.3	13.8	14.7	15.5	10.8	12.3	15.1
		+0.9	+1.7	+2.5	+3.1	+3.8	+4.3	+5.2	+6.0	+1.3	+2.8	+5.6
양천구	9.3	10.3	11.1	11.8	12.5	13.2	13.7	14.6	15.4	10.7	12.2	15.0
		+1.0	+1.8	+2.5	+3.2	+3.9	+4.4	+5.3	+6.1	+1.4	+2.9	+5.7
영등포구	9.8	10.8	11.6	12.3	13.0	13.7	14.2	15.2	15.9	11.2	12.7	15.5
		+1.0	+1.8	+2.5	+3.2	+3.9	+4.4	+5.4	+6.1	+1.4	+2.9	+5.7
용산구	9.2	10.2	10.9	11.7	12.4	13.1	13.5	14.5	15.3	10.5	12.0	14.9
		+1.0	+1.7	+2.5	+3.2	+3.9	+4.3	+5.3	+6.1	+1.3	+2.8	+5.7
은평구	8.3	9.3	10.1	10.8	11.5	12.2	12.7	13.7	14.4	9.7	11.2	14.0
		+1.0	+1.8	+2.5	+3.2	+3.9	+4.4	+5.4	+6.1	+1.4	+2.9	+5.7
종로구	8.7	9.6	10.4	11.2	11.9	12.6	13.0	14.0	14.8	10.0	11.5	14.4
		+0.9	+1.7	+2.5	+3.2	+3.9	+4.3	+5.3	+6.1	+1.3	+2.8	+5.7
중구	9.2	10.1	10.9	11.7	12.3	13.0	13.5	14.5	15.3	10.5	12.0	14.9
		+0.9	+1.7	+2.5	+3.1	+3.8	+4.3	+5.3	+6.1	+1.3	+2.8	+5.7
종량구	8.3	9.3	10.1	10.9	11.5	12.2	12.7	13.7	14.4	9.7	11.2	14.0
		+1.0	+1.8	+2.6	+3.2	+3.9	+4.4	+5.4	+6.1	+1.4	+2.9	+5.7

표 4-20. 서울특별시의 연평균 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	9.0	10.2	10.8	11.8	12.3	13.5	14.2	15.3	16.1	10.5	12.1	15.7
		+1.2	+1.8	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.5	+3.1	+6.7
강남구	9.6	10.9	11.4	12.4	12.9	14.1	14.8	15.8	16.7	11.1	12.7	16.3
		+1.3	+1.8	+2.8	+3.3	+4.5	+5.2	+6.2	+7.1	+1.5	+3.1	+6.7
강동구	8.7	10.0	10.6	11.5	12.0	13.2	13.9	15.0	15.8	10.3	11.8	15.4
		+1.3	+1.9	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.1	+6.7
강북구	8.5	9.7	10.4	11.3	11.8	13.0	13.7	14.8	15.6	10.0	11.6	15.2
		+1.2	+1.9	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.5	+3.1	+6.7
강서구	9.1	10.3	11.0	11.9	12.4	13.6	14.3	15.4	16.2	10.6	12.2	15.8
		+1.2	+1.9	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.5	+3.1	+6.7
관악구	9.3	10.5	11.1	12.1	12.6	13.7	14.5	15.5	16.3	10.8	12.3	15.9
		+1.2	+1.8	+2.8	+3.3	+4.4	+5.2	+6.2	+7.0	+1.5	+3.0	+6.6
광진구	9.4	10.7	11.3	12.2	12.7	13.9	14.6	15.7	16.5	11.0	12.5	16.1
		+1.3	+1.9	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.1	+6.7
구로구	9.2	10.4	11.0	12.0	12.5	13.7	14.4	15.4	16.3	10.7	12.2	15.9
		+1.2	+1.8	+2.8	+3.3	+4.5	+5.2	+6.2	+7.1	+1.5	+3.0	+6.7
금천구	9.5	10.7	11.4	12.3	12.8	14.0	14.7	15.7	16.6	11.0	12.6	16.2
		+1.2	+1.9	+2.8	+3.3	+4.5	+5.2	+6.2	+7.1	+1.5	+3.1	+6.7
노원구	7.9	9.1	9.7	10.7	11.2	12.4	13.1	14.1	15.0	9.4	10.9	14.5
		+1.2	+1.8	+2.8	+3.3	+4.5	+5.2	+6.2	+7.1	+1.5	+3.0	+6.6
도봉구	7.8	9.0	9.7	10.6	11.1	12.3	13.0	14.1	14.9	9.3	10.9	14.5
		+1.2	+1.9	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.5	+3.1	+6.7
동대문구	9.2	10.4	11.0	12.0	12.4	13.6	14.4	15.4	16.2	10.7	12.2	15.8
		+1.2	+1.8	+2.8	+3.2	+4.4	+5.2	+6.2	+7.0	+1.5	+3.0	+6.6
동작구	9.4	10.6	11.2	12.2	12.7	13.9	14.6	15.6	16.5	10.9	12.4	16.1
		+1.2	+1.8	+2.8	+3.3	+4.5	+5.2	+6.2	+7.1	+1.5	+3.0	+6.7
마포구	9.2	10.4	11.0	12.0	12.5	13.7	14.4	15.5	16.3	10.7	12.3	15.9
		+1.2	+1.8	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.5	+3.1	+6.7
서대문구	8.5	9.7	10.3	11.3	11.8	13.0	13.7	14.8	15.6	10.0	11.5	15.2
		+1.2	+1.8	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.5	+3.0	+6.7
서초구	9.3	10.5	11.1	12.1	12.6	13.8	14.5	15.5	16.4	10.8	12.3	15.9
		+1.2	+1.8	+2.8	+3.3	+4.5	+5.2	+6.2	+7.1	+1.5	+3.0	+6.6
성동구	9.5	10.7	11.3	12.3	12.8	14.0	14.7	15.7	16.6	11.0	12.5	16.2
		+1.2	+1.8	+2.8	+3.3	+4.5	+5.2	+6.2	+7.1	+1.5	+3.0	+6.7
성북구	8.7	10.0	10.6	11.5	12.0	13.2	13.9	15.0	15.8	10.3	11.8	15.4
		+1.3	+1.9	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.1	+6.7
송파구	9.5	10.7	11.3	12.2	12.7	13.9	14.6	15.7	16.5	11.0	12.5	16.1
		+1.2	+1.8	+2.7	+3.2	+4.4	+5.1	+6.2	+7.0	+1.5	+3.0	+6.6
양천구	9.3	10.5	11.1	12.1	12.6	13.8	14.5	15.6	16.4	10.8	12.4	16.0
		+1.2	+1.8	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.5	+3.1	+6.7
영등포구	9.8	11.0	11.7	12.6	13.1	14.3	15.0	16.1	16.9	11.4	12.9	16.5
		+1.2	+1.9	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.1	+6.7
용산구	9.2	10.4	11.0	12.0	12.5	13.7	14.4	15.4	16.3	10.7	12.2	15.9
		+1.2	+1.8	+2.8	+3.3	+4.5	+5.2	+6.2	+7.1	+1.5	+3.0	+6.7
은평구	8.3	9.6	10.2	11.1	11.6	12.8	13.6	14.6	15.4	9.9	11.4	15.0
		+1.3	+1.9	+2.8	+3.3	+4.5	+5.3	+6.3	+7.1	+1.6	+3.1	+6.7
종로구	8.7	9.9	10.5	11.5	12.0	13.1	13.9	14.9	15.8	10.2	11.7	15.3
		+1.2	+1.8	+2.8	+3.3	+4.4	+5.2	+6.2	+7.1	+1.5	+3.0	+6.6
중구	9.2	10.4	11.0	12.0	12.5	13.6	14.4	15.4	16.3	10.7	12.2	15.8
		+1.2	+1.8	+2.8	+3.3	+4.4	+5.2	+6.2	+7.1	+1.5	+3.0	+6.6
종랑구	8.3	9.6	10.2	11.1	11.6	12.8	13.5	14.6	15.4	9.9	11.4	15.0
		+1.3	+1.9	+2.8	+3.3	+4.5	+5.2	+6.3	+7.1	+1.6	+3.1	+6.7

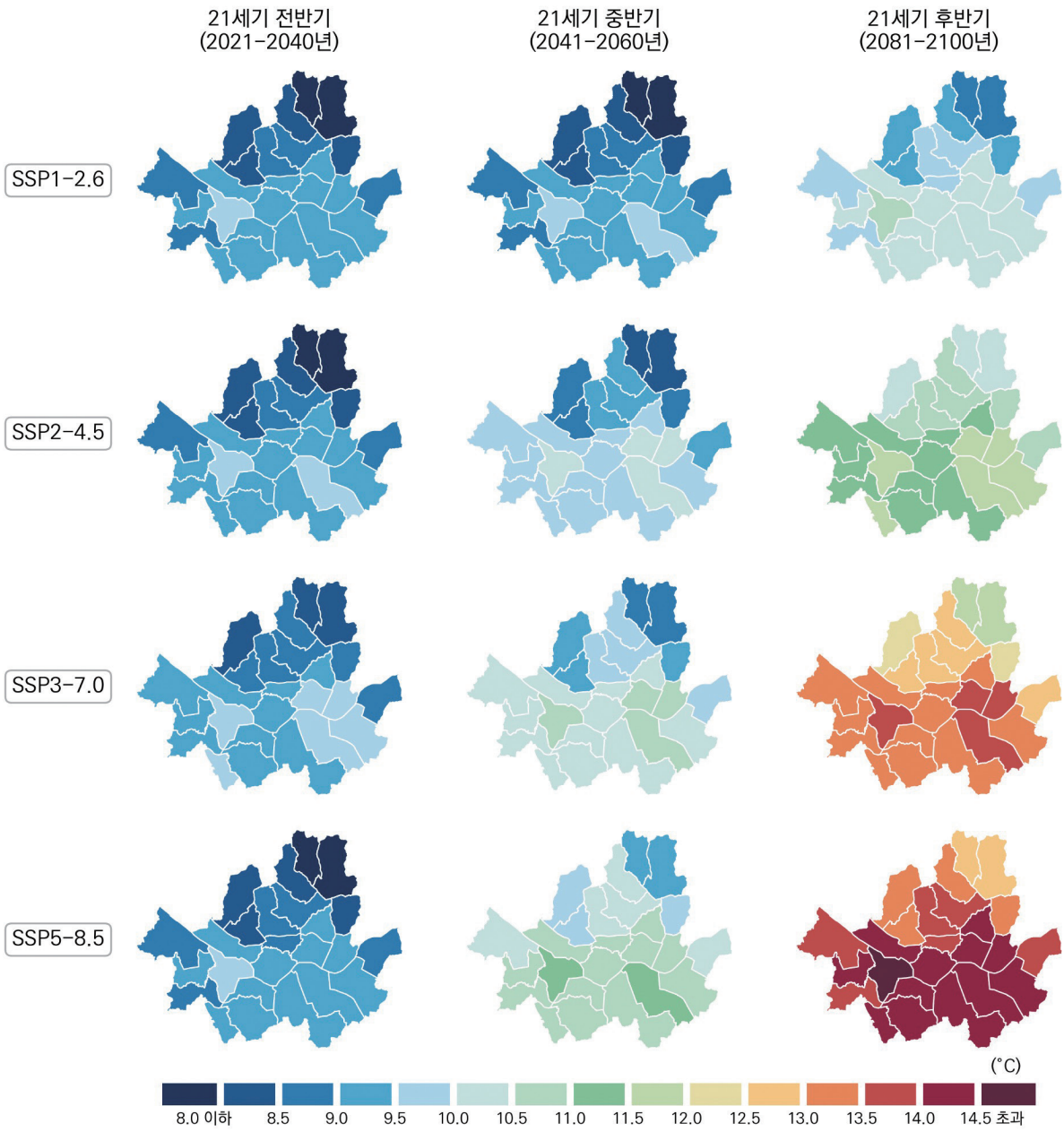


그림 4-12. 서울특별시의 봄철 연평균 최저기온(°C) 전망 분포도

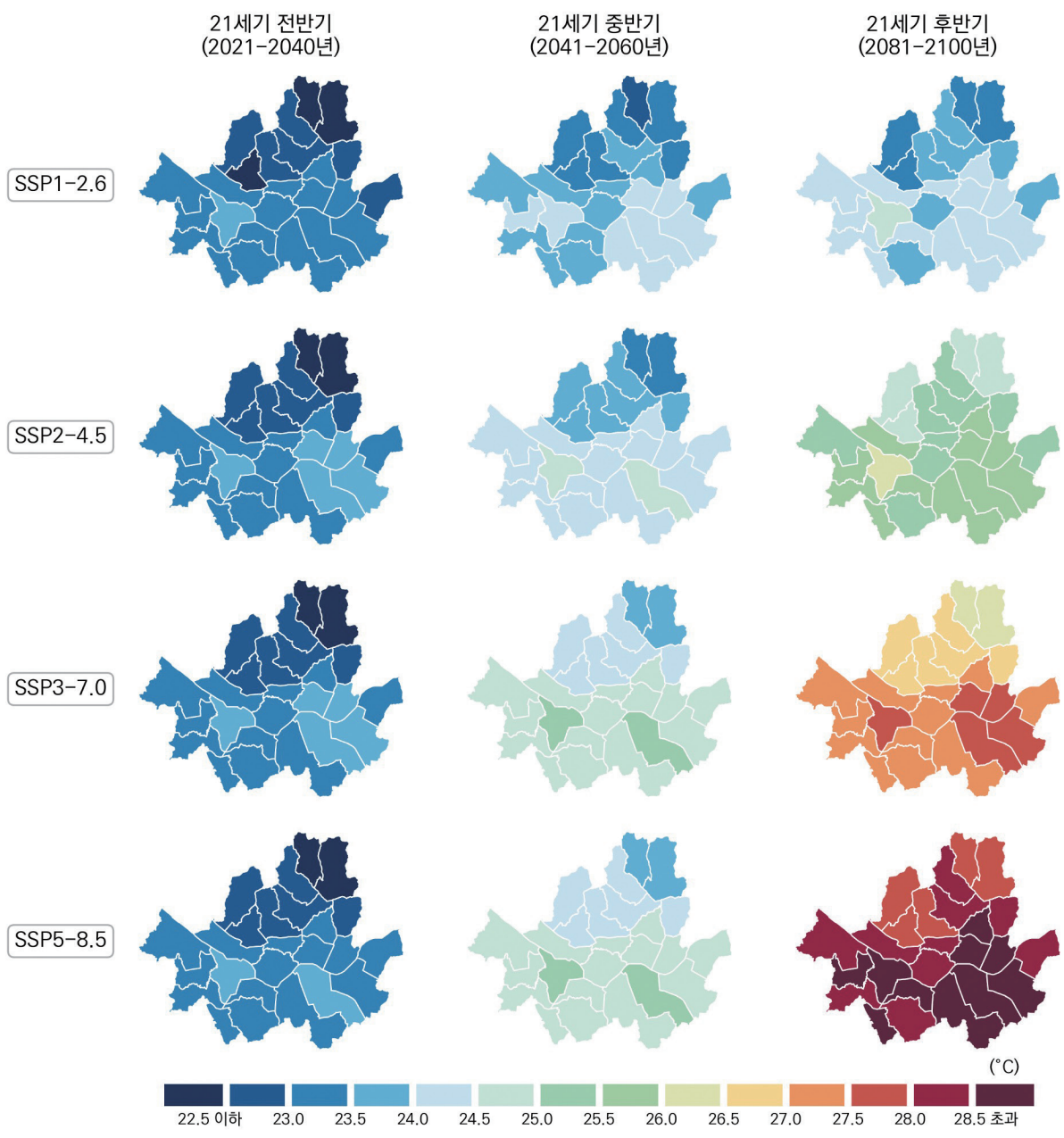


그림 4-13 서울특별시의 여름철 연평균 최저기온(°C) 전망 분포도

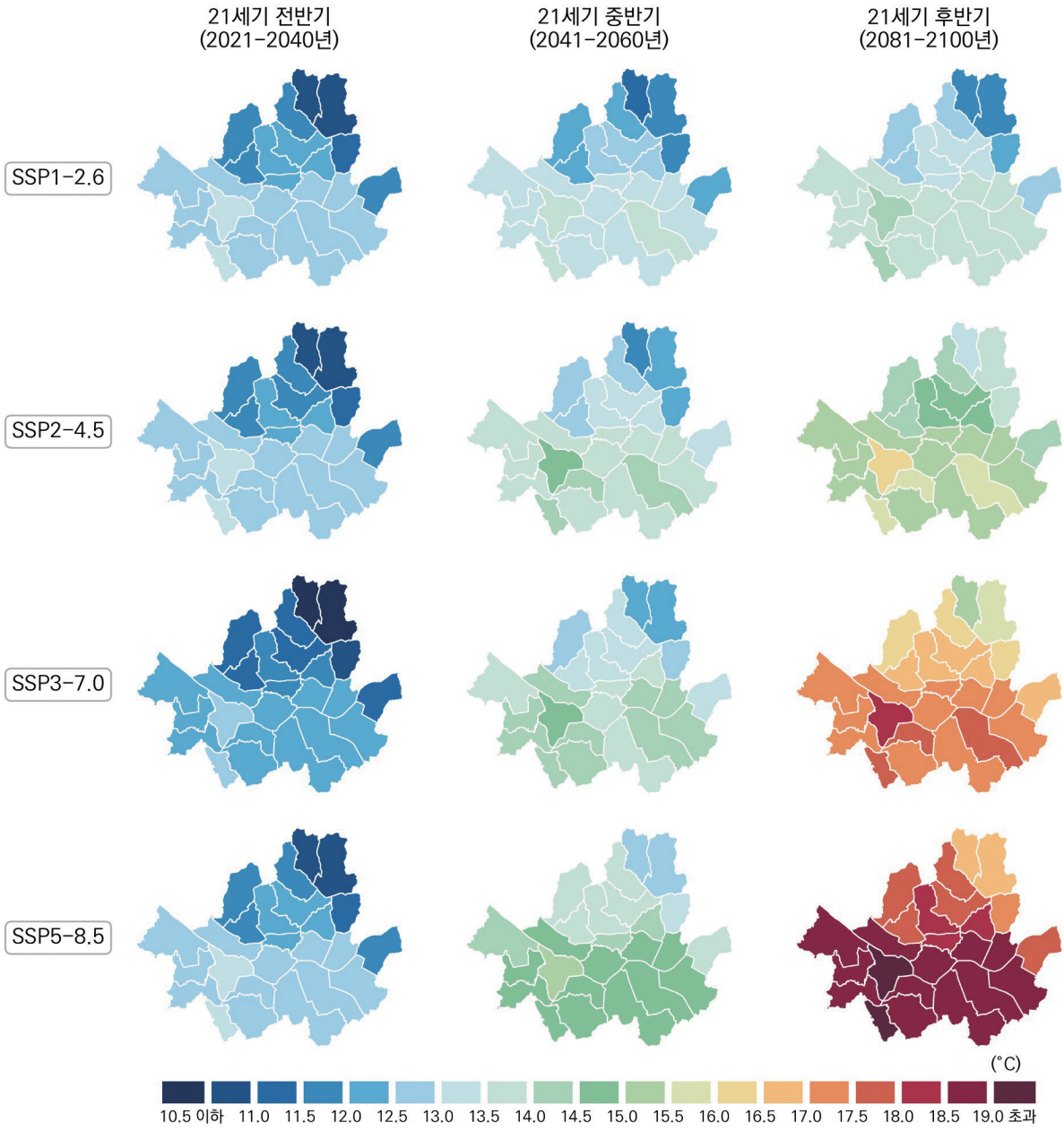


그림 4-14. 서울특별시의 가을철 연평균 최저기온(°C) 전망 분포도

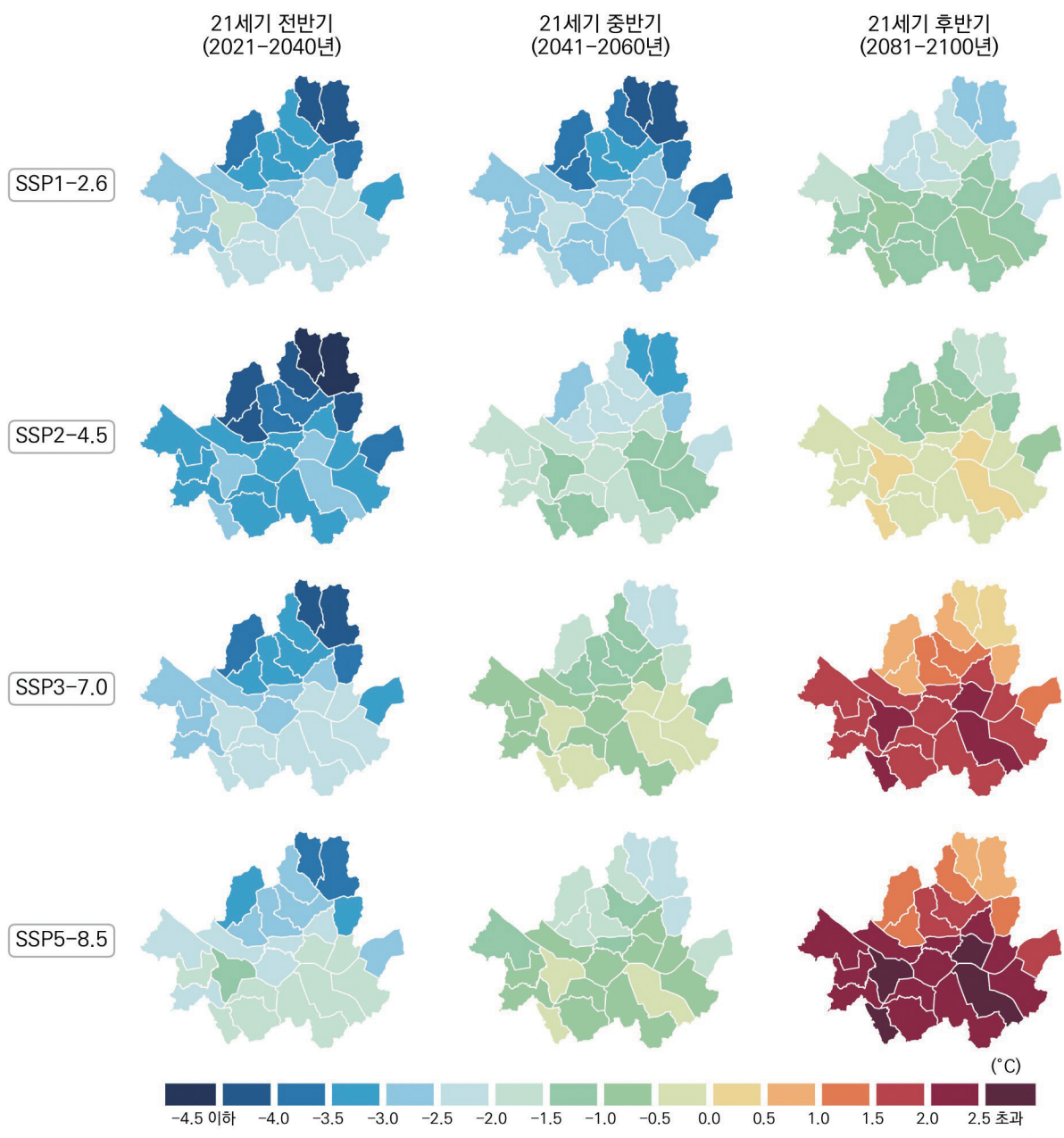


그림 4-15. 서울특별시의 겨울철 연평균 최저기온(°C) 전망 분포도

표 4-21. 서울특별시의 계절별 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	8.9	23.1	12.4	-2.7	8.9	23.8	12.9	-3.1	9.9	23.9	13.4	-1.6
	+1.0	+1.6	+1.6	+1.5	+1.0	+2.3	+2.1	+1.1	+2.0	+2.4	+2.6	+2.6
강남구	9.5	23.5	13.0	-2.0	9.6	24.3	13.6	-2.3	10.5	24.4	14.0	-0.9
	+0.9	+1.5	+1.5	+1.5	+1.0	+2.3	+2.1	+1.2	+1.9	+2.4	+2.5	+2.6
강동구	8.7	23.0	12.0	-3.2	8.7	23.8	12.5	-3.5	9.6	23.9	13.0	-2.0
	+1.0	+1.5	+1.6	+1.5	+1.0	+2.3	+2.1	+1.2	+1.9	+2.4	+2.6	+2.7
강북구	8.5	22.7	11.8	-3.3	8.5	23.5	12.3	-3.6	9.4	23.6	12.8	-2.1
	+1.0	+1.5	+1.6	+1.5	+1.0	+2.3	+2.1	+1.2	+1.9	+2.4	+2.6	+2.7
강서구	9.0	23.2	12.6	-2.7	9.0	23.9	13.2	-2.9	9.9	24.1	13.6	-1.5
	+1.0	+1.6	+1.6	+1.4	+1.0	+2.3	+2.2	+1.2	+1.9	+2.5	+2.6	+2.6
관악구	9.1	23.1	12.8	-2.3	9.1	23.8	13.4	-2.6	10.1	23.9	13.8	-1.1
	+1.0	+1.6	+1.5	+1.4	+1.0	+2.3	+2.1	+1.1	+2.0	+2.4	+2.5	+2.6
광진구	9.4	23.4	12.7	-2.3	9.5	24.2	13.3	-2.6	10.4	24.3	13.7	-1.1
	+1.0	+1.5	+1.5	+1.4	+1.1	+2.3	+2.1	+1.1	+2.0	+2.4	+2.5	+2.6
구로구	9.0	23.2	12.7	-2.6	9.0	23.9	13.3	-2.9	10.0	24.1	13.7	-1.4
	+1.0	+1.5	+1.5	+1.4	+1.0	+2.2	+2.1	+1.1	+2.0	+2.4	+2.5	+2.6
금천구	9.3	23.3	13.1	-2.0	9.3	24.0	13.7	-2.3	10.3	24.2	14.1	-0.8
	+1.0	+1.6	+1.5	+1.4	+1.0	+2.3	+2.1	+1.1	+2.0	+2.5	+2.5	+2.6
노원구	7.8	22.3	11.0	-4.0	7.8	23.1	11.6	-4.3	8.7	23.2	12.0	-2.9
	+1.0	+1.5	+1.5	+1.5	+1.0	+2.3	+2.1	+1.2	+1.9	+2.4	+2.5	+2.6
도봉구	7.8	22.2	10.9	-4.1	7.8	23.0	11.4	-4.4	8.7	23.1	11.9	-2.9
	+1.0	+1.5	+1.5	+1.4	+1.0	+2.3	+2.0	+1.1	+1.9	+2.4	+2.5	+2.6
동대문구	9.1	23.3	12.4	-2.6	9.2	24.0	12.9	-2.9	10.1	24.1	13.4	-1.4
	+1.0	+1.6	+1.5	+1.4	+1.1	+2.3	+2.0	+1.1	+2.0	+2.4	+2.5	+2.6
동작구	9.2	23.3	13.0	-2.4	9.3	24.0	13.5	-2.7	10.2	24.2	14.0	-1.2
	+1.0	+1.6	+1.6	+1.4	+1.1	+2.3	+2.1	+1.1	+2.0	+2.5	+2.6	+2.6
마포구	9.1	23.2	12.7	-2.6	9.1	23.9	13.3	-2.9	10.1	24.1	13.8	-1.4
	+1.0	+1.5	+1.5	+1.4	+1.0	+2.2	+2.1	+1.1	+2.0	+2.4	+2.6	+2.6
서대문구	8.4	22.5	11.9	-3.3	8.4	23.3	12.5	-3.6	9.3	23.4	12.9	-2.1
	+1.1	+1.5	+1.5	+1.5	+1.1	+2.3	+2.1	+1.2	+2.0	+2.4	+2.5	+2.7
서초구	9.2	23.3	12.7	-2.4	9.2	24.1	13.2	-2.7	10.1	24.2	13.7	-1.2
	+1.0	+1.5	+1.6	+1.5	+1.0	+2.3	+2.1	+1.2	+1.9	+2.4	+2.6	+2.7
성동구	9.4	23.4	12.9	-2.2	9.5	24.2	13.4	-2.5	10.4	24.3	13.8	-1.0
	+0.9	+1.5	+1.6	+1.4	+1.0	+2.3	+2.1	+1.1	+1.9	+2.4	+2.5	+2.6
성북구	8.7	22.8	12.1	-3.1	8.7	23.6	12.6	-3.4	9.6	23.7	13.1	-1.9
	+1.0	+1.5	+1.6	+1.4	+1.0	+2.3	+2.1	+1.1	+1.9	+2.4	+2.6	+2.6
송파구	9.4	23.4	12.8	-2.2	9.4	24.2	13.3	-2.5	10.3	24.3	13.7	-1.1
	+1.0	+1.5	+1.6	+1.5	+1.0	+2.3	+2.1	+1.2	+1.9	+2.4	+2.5	+2.6
양천구	9.2	23.3	12.8	-2.5	9.2	24.1	13.4	-2.7	10.1	24.2	13.9	-1.3
	+1.1	+1.5	+1.5	+1.4	+1.1	+2.3	+2.1	+1.2	+2.0	+2.4	+2.6	+2.6
영등포구	9.7	23.7	13.5	-1.9	9.7	24.4	14.0	-2.3	10.7	24.6	14.5	-0.8
	+1.0	+1.5	+1.6	+1.5	+1.0	+2.2	+2.1	+1.1	+2.0	+2.4	+2.6	+2.6
용산구	9.1	23.1	12.7	-2.6	9.1	23.9	13.2	-2.9	10.1	24.0	13.7	-1.4
	+1.0	+1.5	+1.6	+1.4	+1.0	+2.3	+2.1	+1.1	+2.0	+2.4	+2.6	+2.6
은평구	8.2	22.6	11.7	-3.6	8.2	23.3	12.2	-3.8	9.1	23.5	12.7	-2.4
	+1.0	+1.5	+1.6	+1.4	+1.0	+2.2	+2.1	+1.2	+1.9	+2.4	+2.6	+2.6
종로구	8.6	22.7	12.1	-3.1	8.6	23.4	12.6	-3.4	9.6	23.6	13.1	-2.0
	+1.0	+1.5	+1.5	+1.5	+1.0	+2.2	+2.0	+1.2	+2.0	+2.4	+2.5	+2.6
중구	9.1	23.2	12.5	-2.6	9.1	23.9	13.1	-2.9	10.0	24.1	13.5	-1.5
	+1.0	+1.6	+1.5	+1.5	+1.0	+2.3	+2.1	+1.2	+1.9	+2.5	+2.5	+2.6
종량구	8.3	22.8	11.4	-3.6	8.3	23.5	12.0	-3.9	9.2	23.6	12.4	-2.4
	+1.0	+1.6	+1.5	+1.4	+1.0	+2.3	+2.1	+1.1	+1.9	+2.4	+2.5	+2.6



표 4-22. 서울특별시의 계절별 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	9.0	23.2	12.3	-3.5	9.5	24.1	13.5	-1.9	11.2	25.4	15.0	-0.5
	+1.1	+1.7	+1.5	+0.7	+1.6	+2.6	+2.7	+2.3	+3.3	+3.9	+4.2	+3.7
강남구	9.6	23.7	13.0	-2.7	10.2	24.6	14.1	-1.2	11.9	25.9	15.6	0.2
	+1.0	+1.7	+1.5	+0.8	+1.6	+2.6	+2.6	+2.3	+3.3	+3.9	+4.1	+3.7
강동구	8.7	23.2	11.9	-3.9	9.3	24.1	13.1	-2.3	11.0	25.4	14.5	-0.9
	+1.0	+1.7	+1.5	+0.8	+1.6	+2.6	+2.7	+2.4	+3.3	+3.9	+4.1	+3.8
강북구	8.5	22.9	11.7	-4.1	9.1	23.8	12.8	-2.4	10.8	25.1	14.3	-1.0
	+1.0	+1.7	+1.5	+0.7	+1.6	+2.6	+2.6	+2.4	+3.3	+3.9	+4.1	+3.8
강서구	9.0	23.3	12.6	-3.4	9.6	24.2	13.7	-1.8	11.3	25.5	15.2	-0.4
	+1.0	+1.7	+1.6	+0.7	+1.6	+2.6	+2.7	+2.3	+3.3	+3.9	+4.2	+3.7
관악구	9.2	23.2	12.8	-3.0	9.7	24.1	13.9	-1.4	11.4	25.4	15.4	0.0
	+1.1	+1.7	+1.5	+0.7	+1.6	+2.6	+2.6	+2.3	+3.3	+3.9	+4.1	+3.7
광진구	9.5	23.6	12.7	-3.0	10.1	24.5	13.8	-1.4	11.8	25.8	15.3	0.0
	+1.1	+1.7	+1.5	+0.7	+1.7	+2.6	+2.6	+2.3	+3.4	+3.9	+4.1	+3.7
구로구	9.1	23.4	12.7	-3.3	9.6	24.3	13.8	-1.7	11.3	25.6	15.3	-0.3
	+1.1	+1.7	+1.5	+0.7	+1.6	+2.6	+2.6	+2.3	+3.3	+3.9	+4.1	+3.7
금천구	9.4	23.4	13.1	-2.7	9.9	24.3	14.2	-1.2	11.6	25.6	15.7	0.2
	+1.1	+1.7	+1.5	+0.7	+1.6	+2.6	+2.6	+2.2	+3.3	+3.9	+4.1	+3.6
노원구	7.8	22.5	11.0	-4.8	8.4	23.4	12.1	-3.2	10.1	24.7	13.6	-1.8
	+1.0	+1.7	+1.5	+0.7	+1.6	+2.6	+2.6	+2.3	+3.3	+3.9	+4.1	+3.7
도봉구	7.8	22.4	10.8	-4.8	8.4	23.3	12.0	-3.2	10.1	24.6	13.5	-1.8
	+1.0	+1.7	+1.4	+0.7	+1.6	+2.6	+2.6	+2.3	+3.3	+3.9	+4.1	+3.7
동대문구	9.2	23.4	12.3	-3.3	9.8	24.3	13.5	-1.7	11.5	25.6	15.0	-0.3
	+1.1	+1.7	+1.4	+0.7	+1.7	+2.6	+2.6	+2.3	+3.4	+3.9	+4.1	+3.7
동작구	9.3	23.4	12.9	-3.1	9.8	24.3	14.1	-1.5	11.5	25.6	15.6	-0.1
	+1.1	+1.7	+1.5	+0.7	+1.6	+2.6	+2.7	+2.3	+3.3	+3.9	+4.2	+3.7
마포구	9.2	23.4	12.7	-3.3	9.7	24.3	13.8	-1.7	11.4	25.6	15.3	-0.3
	+1.1	+1.7	+1.5	+0.7	+1.6	+2.6	+2.6	+2.3	+3.3	+3.9	+4.1	+3.7
서대문구	8.4	22.7	11.9	-4.0	9.0	23.6	13.0	-2.4	10.7	24.9	14.5	-1.0
	+1.1	+1.7	+1.5	+0.8	+1.7	+2.6	+2.6	+2.4	+3.4	+3.9	+4.1	+3.8
서초구	9.2	23.5	12.6	-3.1	9.8	24.4	13.8	-1.6	11.5	25.7	15.2	-0.2
	+1.0	+1.7	+1.5	+0.8	+1.6	+2.6	+2.7	+2.3	+3.3	+3.9	+4.1	+3.7
성동구	9.5	23.6	12.8	-2.9	10.1	24.5	13.9	-1.3	11.8	25.8	15.4	0.1
	+1.0	+1.7	+1.5	+0.7	+1.6	+2.6	+2.6	+2.3	+3.3	+3.9	+4.1	+3.7
성북구	8.7	23.0	12.0	-3.8	9.3	23.9	13.1	-2.2	11.0	25.2	14.6	-0.8
	+1.0	+1.7	+1.5	+0.7	+1.6	+2.6	+2.6	+2.3	+3.3	+3.9	+4.1	+3.7
송파구	9.4	23.6	12.7	-3.0	10.0	24.5	13.8	-1.4	11.7	25.8	15.3	0.0
	+1.0	+1.7	+1.5	+0.7	+1.6	+2.6	+2.6	+2.3	+3.3	+3.9	+4.1	+3.7
양천구	9.2	23.5	12.8	-3.2	9.8	24.4	13.9	-1.6	11.5	25.7	15.4	-0.2
	+1.1	+1.7	+1.5	+0.7	+1.7	+2.6	+2.6	+2.3	+3.4	+3.9	+4.1	+3.7
영등포구	9.8	23.9	13.4	-2.7	10.3	24.7	14.6	-1.1	12.0	26.1	16.1	0.3
	+1.1	+1.7	+1.5	+0.7	+1.6	+2.5	+2.7	+2.3	+3.3	+3.9	+4.2	+3.7
용산구	9.2	23.3	12.6	-3.3	9.7	24.2	13.8	-1.7	11.4	25.5	15.3	-0.3
	+1.1	+1.7	+1.5	+0.7	+1.6	+2.6	+2.7	+2.3	+3.3	+3.9	+4.2	+3.7
은평구	8.2	22.8	11.6	-4.3	8.8	23.6	12.8	-2.7	10.5	24.9	14.2	-1.3
	+1.0	+1.7	+1.5	+0.7	+1.6	+2.5	+2.7	+2.3	+3.3	+3.8	+4.1	+3.7
종로구	8.6	22.8	12.1	-3.8	9.2	23.8	13.2	-2.3	10.9	25.1	14.7	-0.8
	+1.0	+1.6	+1.5	+0.8	+1.6	+2.6	+2.6	+2.3	+3.3	+3.9	+4.1	+3.8
중구	9.1	23.3	12.5	-3.3	9.7	24.3	13.6	-1.7	11.4	25.5	15.1	-0.3
	+1.0	+1.7	+1.5	+0.8	+1.6	+2.7	+2.6	+2.4	+3.3	+3.9	+4.1	+3.8
종각구	8.4	22.9	11.4	-4.3	8.9	23.8	12.5	-2.7	10.6	25.1	14.0	-1.3
	+1.1	+1.7	+1.5	+0.7	+1.6	+2.6	+2.6	+2.3	+3.3	+3.9	+4.1	+3.7

표 4-23. 서울특별시의 계절별 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	9.2	23.2	11.9	-2.7	10.0	24.6	13.7	-0.9	13.1	27.2	17.0	1.5
	+1.3	+1.7	+1.1	+1.5	+2.1	+3.1	+2.9	+3.3	+5.2	+5.7	+6.2	+5.7
강남구	9.9	23.7	12.5	-2.0	10.7	25.1	14.3	-0.2	13.7	27.7	17.6	2.2
	+1.3	+1.7	+1.0	+1.5	+2.1	+3.1	+2.8	+3.3	+5.1	+5.7	+6.1	+5.7
강동구	9.0	23.2	11.5	-3.2	9.8	24.6	13.3	-1.3	12.8	27.2	16.6	1.1
	+1.3	+1.7	+1.1	+1.5	+2.1	+3.1	+2.9	+3.4	+5.1	+5.7	+6.2	+5.8
강북구	8.8	22.9	11.2	-3.3	9.6	24.3	13.1	-1.4	12.6	26.9	16.4	1.0
	+1.3	+1.7	+1.0	+1.5	+2.1	+3.1	+2.9	+3.4	+5.1	+5.7	+6.2	+5.8
강서구	9.3	23.3	12.1	-2.7	10.1	24.7	14.0	-0.8	13.1	27.4	17.2	1.6
	+1.3	+1.7	+1.1	+1.4	+2.1	+3.1	+3.0	+3.3	+5.1	+5.8	+6.2	+5.7
관악구	9.4	23.2	12.3	-2.3	10.2	24.6	14.2	-0.4	13.3	27.3	17.5	2.0
	+1.3	+1.7	+1.0	+1.4	+2.1	+3.1	+2.9	+3.3	+5.2	+5.8	+6.2	+5.7
광진구	9.8	23.6	12.2	-2.3	10.6	25.0	14.1	-0.4	13.6	27.6	17.3	2.0
	+1.4	+1.7	+1.0	+1.4	+2.2	+3.1	+2.9	+3.3	+5.2	+5.7	+6.1	+5.7
구로구	9.3	23.3	12.2	-2.6	10.1	24.7	14.1	-0.7	13.1	27.4	17.3	1.7
	+1.3	+1.6	+1.0	+1.4	+2.1	+3.0	+2.9	+3.3	+5.1	+5.7	+6.1	+5.7
금천구	9.6	23.4	12.6	-2.0	10.4	24.8	14.5	-0.2	13.4	27.5	17.8	2.2
	+1.3	+1.7	+1.0	+1.4	+2.1	+3.1	+2.9	+3.2	+5.1	+5.8	+6.2	+5.6
노원구	8.1	22.5	10.5	-4.1	8.9	23.9	12.4	-2.2	12.0	26.5	15.7	0.2
	+1.3	+1.7	+1.0	+1.4	+2.1	+3.1	+2.9	+3.3	+5.2	+5.7	+6.2	+5.7
도봉구	8.1	22.4	10.4	-4.1	8.9	23.8	12.3	-2.2	12.0	26.4	15.5	0.2
	+1.3	+1.7	+1.0	+1.4	+2.1	+3.1	+2.9	+3.3	+5.2	+5.7	+6.1	+5.7
동대문구	9.5	23.4	11.9	-2.6	10.2	24.8	13.8	-0.7	13.3	27.4	17.0	1.7
	+1.4	+1.7	+1.0	+1.4	+2.1	+3.1	+2.9	+3.3	+5.2	+5.7	+6.1	+5.7
동작구	9.5	23.4	12.5	-2.4	10.3	24.8	14.3	-0.5	13.4	27.5	17.6	1.9
	+1.3	+1.7	+1.1	+1.4	+2.1	+3.1	+2.9	+3.3	+5.2	+5.8	+6.2	+5.7
마포구	9.4	23.4	12.2	-2.6	10.2	24.7	14.1	-0.7	13.3	27.4	17.4	1.7
	+1.3	+1.7	+1.0	+1.4	+2.1	+3.0	+2.9	+3.3	+5.2	+5.7	+6.2	+5.7
서대문구	8.7	22.7	11.4	-3.3	9.5	24.1	13.3	-1.4	12.6	26.7	16.6	1.0
	+1.4	+1.7	+1.0	+1.5	+2.2	+3.1	+2.9	+3.4	+5.3	+5.7	+6.2	+5.8
서초구	9.5	23.5	12.2	-2.4	10.2	24.9	14.0	-0.6	13.3	27.5	17.3	1.8
	+1.3	+1.7	+1.1	+1.5	+2.0	+3.1	+2.9	+3.3	+5.1	+5.7	+6.2	+5.7
성동구	9.8	23.6	12.3	-2.2	10.6	25.0	14.2	-0.3	13.6	27.6	17.5	2.1
	+1.3	+1.7	+1.0	+1.4	+2.1	+3.1	+2.9	+3.3	+5.1	+5.7	+6.2	+5.7
성북구	9.0	23.0	11.5	-3.1	9.8	24.4	13.4	-1.2	12.9	27.0	16.7	1.2
	+1.3	+1.7	+1.0	+1.4	+2.1	+3.1	+2.9	+3.3	+5.2	+5.7	+6.2	+5.7
송파구	9.7	23.6	12.2	-2.2	10.5	25.0	14.1	-0.4	13.5	27.6	17.4	2.0
	+1.3	+1.7	+1.0	+1.5	+2.1	+3.1	+2.9	+3.3	+5.1	+5.7	+6.2	+5.7
양천구	9.4	23.5	12.3	-2.5	10.2	24.9	14.2	-0.6	13.3	27.5	17.5	1.8
	+1.3	+1.7	+1.0	+1.4	+2.1	+3.1	+2.9	+3.3	+5.2	+5.7	+6.2	+5.7
영등포구	10.0	23.9	13.0	-2.0	10.8	25.2	14.8	-0.1	13.9	27.9	18.1	2.3
	+1.3	+1.7	+1.1	+1.4	+2.1	+3.0	+2.9	+3.3	+5.2	+5.7	+6.2	+5.7
용산구	9.4	23.3	12.2	-2.6	10.2	24.7	14.0	-0.7	13.3	27.3	17.3	1.7
	+1.3	+1.7	+1.1	+1.4	+2.1	+3.1	+2.9	+3.3	+5.2	+5.7	+6.2	+5.7
은평구	8.5	22.8	11.2	-3.6	9.3	24.1	13.0	-1.7	12.4	26.8	16.3	0.8
	+1.3	+1.7	+1.1	+1.4	+2.1	+3.0	+2.9	+3.3	+5.2	+5.7	+6.2	+5.8
종로구	8.9	22.9	11.6	-3.1	9.7	24.2	13.5	-1.2	12.8	26.9	16.7	1.2
	+1.3	+1.7	+1.0	+1.5	+2.1	+3.0	+2.9	+3.4	+5.2	+5.7	+6.1	+5.8
중구	9.4	23.4	12.0	-2.6	10.2	24.7	13.9	-0.7	13.3	27.4	17.1	1.7
	+1.3	+1.8	+1.0	+1.5	+2.1	+3.1	+2.9	+3.4	+5.2	+5.8	+6.1	+5.8
종랑구	8.6	22.9	10.9	-3.6	9.4	24.3	12.8	-1.7	12.5	26.9	16.1	0.7
	+1.3	+1.7	+1.0	+1.4	+2.1	+3.1	+2.9	+3.3	+5.2	+5.7	+6.2	+5.7

표 4-24. 서울특별시의 계절별 최저기온 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	8.9	23.2	12.4	-2.2	10.5	24.6	14.3	-1.1	13.9	28.4	18.3	2.0
	+1.0	+1.7	+1.6	+2.0	+2.6	+3.1	+3.5	+3.1	+6.0	+6.9	+7.5	+6.2
강남구	9.5	23.6	13.0	-1.5	11.1	25.1	14.9	-0.4	14.5	28.9	18.9	2.7
	+0.9	+1.6	+1.5	+2.0	+2.5	+3.1	+3.4	+3.1	+5.9	+6.9	+7.4	+6.2
강동구	8.6	23.1	12.0	-2.6	10.3	24.6	13.9	-1.5	13.6	28.4	17.9	1.6
	+0.9	+1.6	+1.6	+2.1	+2.6	+3.1	+3.5	+3.2	+5.9	+6.9	+7.5	+6.3
강북구	8.4	22.8	11.8	-2.8	10.1	24.3	13.7	-1.7	13.4	28.1	17.7	1.5
	+0.9	+1.6	+1.6	+2.0	+2.6	+3.1	+3.5	+3.1	+5.9	+6.9	+7.5	+6.3
강서구	8.9	23.3	12.6	-2.1	10.5	24.8	14.5	-1.0	13.9	28.5	18.6	2.2
	+0.9	+1.7	+1.6	+2.0	+2.5	+3.2	+3.5	+3.1	+5.9	+6.9	+7.6	+6.3
관악구	9.1	23.2	12.8	-1.7	10.7	24.7	14.7	-0.7	14.1	28.4	18.8	2.5
	+1.0	+1.7	+1.5	+2.0	+2.6	+3.2	+3.4	+3.0	+6.0	+6.9	+7.5	+6.2
광진구	9.4	23.5	12.7	-1.7	11.0	25.0	14.6	-0.6	14.4	28.8	18.6	2.5
	+1.0	+1.6	+1.5	+2.0	+2.6	+3.1	+3.4	+3.1	+6.0	+6.9	+7.4	+6.2
구로구	9.0	23.3	12.7	-2.0	10.6	24.8	14.6	-0.9	13.9	28.5	18.7	2.2
	+1.0	+1.6	+1.5	+2.0	+2.6	+3.1	+3.4	+3.1	+5.9	+6.8	+7.5	+6.2
금천구	9.3	23.4	13.1	-1.5	10.9	24.9	15.0	-0.4	14.2	28.6	19.1	2.8
	+1.0	+1.7	+1.5	+1.9	+2.6	+3.2	+3.4	+3.0	+5.9	+6.9	+7.5	+6.2
노원구	7.7	22.4	11.0	-3.5	9.4	23.9	12.9	-2.4	12.8	27.7	17.0	0.7
	+0.9	+1.6	+1.5	+2.0	+2.6	+3.1	+3.4	+3.1	+6.0	+6.9	+7.5	+6.2
도봉구	7.7	22.3	10.9	-3.5	9.3	23.8	12.8	-2.4	12.8	27.6	16.8	0.7
	+0.9	+1.6	+1.5	+2.0	+2.5	+3.1	+3.4	+3.1	+6.0	+6.9	+7.4	+6.2
동대문구	9.1	23.4	12.4	-2.0	10.7	24.9	14.3	-0.9	14.1	28.6	18.4	2.2
	+1.0	+1.7	+1.5	+2.0	+2.6	+3.2	+3.4	+3.1	+6.0	+6.9	+7.5	+6.2
동작구	9.2	23.4	13.0	-1.8	10.8	24.9	14.9	-0.8	14.2	28.6	18.9	2.4
	+1.0	+1.7	+1.6	+2.0	+2.6	+3.2	+3.5	+3.0	+6.0	+6.9	+7.5	+6.2
마포구	9.1	23.3	12.7	-2.0	10.7	24.8	14.7	-0.9	14.1	28.5	18.7	2.3
	+1.0	+1.6	+1.5	+2.0	+2.6	+3.1	+3.5	+3.1	+6.0	+6.8	+7.5	+6.3
서대문구	8.3	22.6	11.9	-2.7	9.9	24.1	13.9	-1.7	13.3	27.9	17.9	1.5
	+1.0	+1.6	+1.5	+2.1	+2.6	+3.1	+3.5	+3.1	+6.0	+6.9	+7.5	+6.3
서초구	9.1	23.4	12.7	-1.9	10.7	24.9	14.6	-0.8	14.1	28.7	18.6	2.4
	+0.9	+1.6	+1.6	+2.0	+2.5	+3.1	+3.5	+3.1	+5.9	+6.9	+7.5	+6.3
성동구	9.4	23.5	12.9	-1.6	11.0	25.0	14.8	-0.6	14.4	28.7	18.8	2.6
	+0.9	+1.6	+1.6	+2.0	+2.5	+3.1	+3.5	+3.0	+5.9	+6.8	+7.5	+6.2
성북구	8.6	23.0	12.1	-2.5	10.2	24.4	13.9	-1.4	13.6	28.2	18.0	1.7
	+0.9	+1.7	+1.6	+2.0	+2.5	+3.1	+3.4	+3.1	+5.9	+6.9	+7.5	+6.2
송파구	9.4	23.5	12.7	-1.7	11.0	25.0	14.6	-0.6	14.4	28.8	18.6	2.5
	+1.0	+1.6	+1.5	+2.0	+2.6	+3.1	+3.4	+3.1	+6.0	+6.9	+7.4	+6.2
양천구	9.1	23.4	12.8	-1.9	10.7	24.9	14.8	-0.8	14.1	28.7	18.8	2.4
	+1.0	+1.6	+1.5	+2.0	+2.6	+3.1	+3.5	+3.1	+6.0	+6.9	+7.5	+6.3
영등포구	9.7	23.8	13.5	-1.4	11.3	25.3	15.4	-0.3	14.7	29.0	19.5	2.8
	+1.0	+1.6	+1.6	+2.0	+2.6	+3.1	+3.5	+3.1	+6.0	+6.8	+7.6	+6.2
용산구	9.1	23.2	12.7	-2.0	10.7	24.7	14.6	-0.9	14.1	28.5	18.6	2.2
	+1.0	+1.6	+1.6	+2.0	+2.6	+3.1	+3.5	+3.1	+6.0	+6.9	+7.5	+6.2
은평구	8.2	22.7	11.7	-3.0	9.8	24.2	13.6	-1.9	13.1	28.0	17.7	1.3
	+1.0	+1.6	+1.6	+2.0	+2.6	+3.1	+3.5	+3.1	+5.9	+6.9	+7.6	+6.3
종로구	8.6	22.8	12.1	-2.5	10.2	24.3	14.0	-1.5	13.6	28.0	18.1	1.7
	+1.0	+1.6	+1.5	+2.1	+2.6	+3.1	+3.4	+3.1	+6.0	+6.8	+7.5	+6.3
중구	9.0	23.3	12.5	-2.1	10.6	24.8	14.4	-1.0	14.0	28.5	18.5	2.2
	+0.9	+1.7	+1.5	+2.0	+2.5	+3.2	+3.4	+3.1	+5.9	+6.9	+7.5	+6.3
종각구	8.2	22.8	11.4	-3.0	9.9	24.3	13.3	-2.0	13.3	28.1	17.4	1.2
	+0.9	+1.6	+1.5	+2.0	+2.6	+3.1	+3.4	+3.0	+6.0	+6.9	+7.5	+6.2

#### 4) 연강수량

- SSP 시나리오에 따른 서울특별시 연강수량은 현재(2000-2019년, 1269.6mm) 대비 21세기 중반기에 8.7~15.2%, 21세기 후반기에 12.0~20.9% 증가할 것으로 전망됨.
  - SSP1-2.6 시나리오에서 서울특별시 연강수량은 현재 대비 21세기 중반기에 13.0%, 후반기에 12.0% 증가할 것으로 전망됨.
  - SSP2-4.5 시나리오에서 서울특별시 연강수량은 현재 대비 21세기 중반기에 15.2%, 후반기에 20.9% 증가할 것으로 전망됨.
  - SSP3-7.0 시나리오에서 서울특별시 연강수량은 현재 대비 21세기 중반기에 8.7%, 후반기에 19.4% 증가할 것으로 전망됨.
  - SSP5-8.5 시나리오에서 서울특별시 연강수량은 현재 대비 21세기 중반기에 10.0%, 후반기에 19.9% 증가할 것으로 전망됨.
- SSP5-8.5 시나리오에서 21세기 하반기 서울특별시 연강수량 증가율(+19.9%)은 SSP1-2.6 시나리오에서의 증가율(+12.0%)보다 높게 나타남.
- 현재 서울특별시 연강수량(1269.6mm)은 우리나라 평균(1325.9mm) 보다 56.3mm 적으며 SSP5-8.5에서 21세기 하반기 서울특별시 연강수량 증가율(+19.9%)은 우리나라 평균 증가율(+16.0%)보다 크게 나타남.
  - 지역별로 살펴보면, 강서구, 양천구에서 강수량 증가율(+22.2%)이 가장 높고 강동구에서 강수량 증가율(+17.3%)이 가장 낮게 나타남.

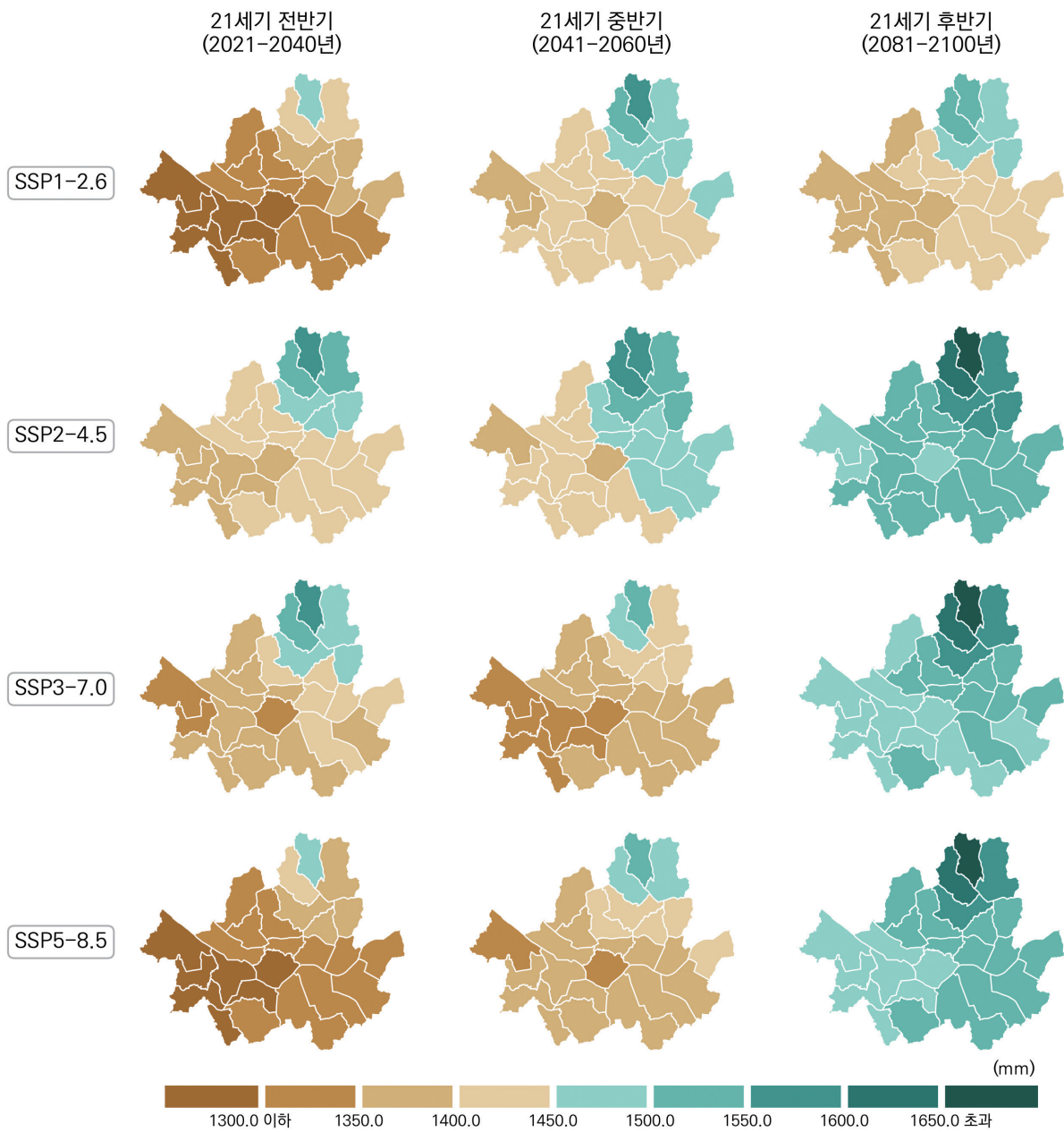


그림 4-16. 서울특별시의 연강수량(mm) 전망 분포도

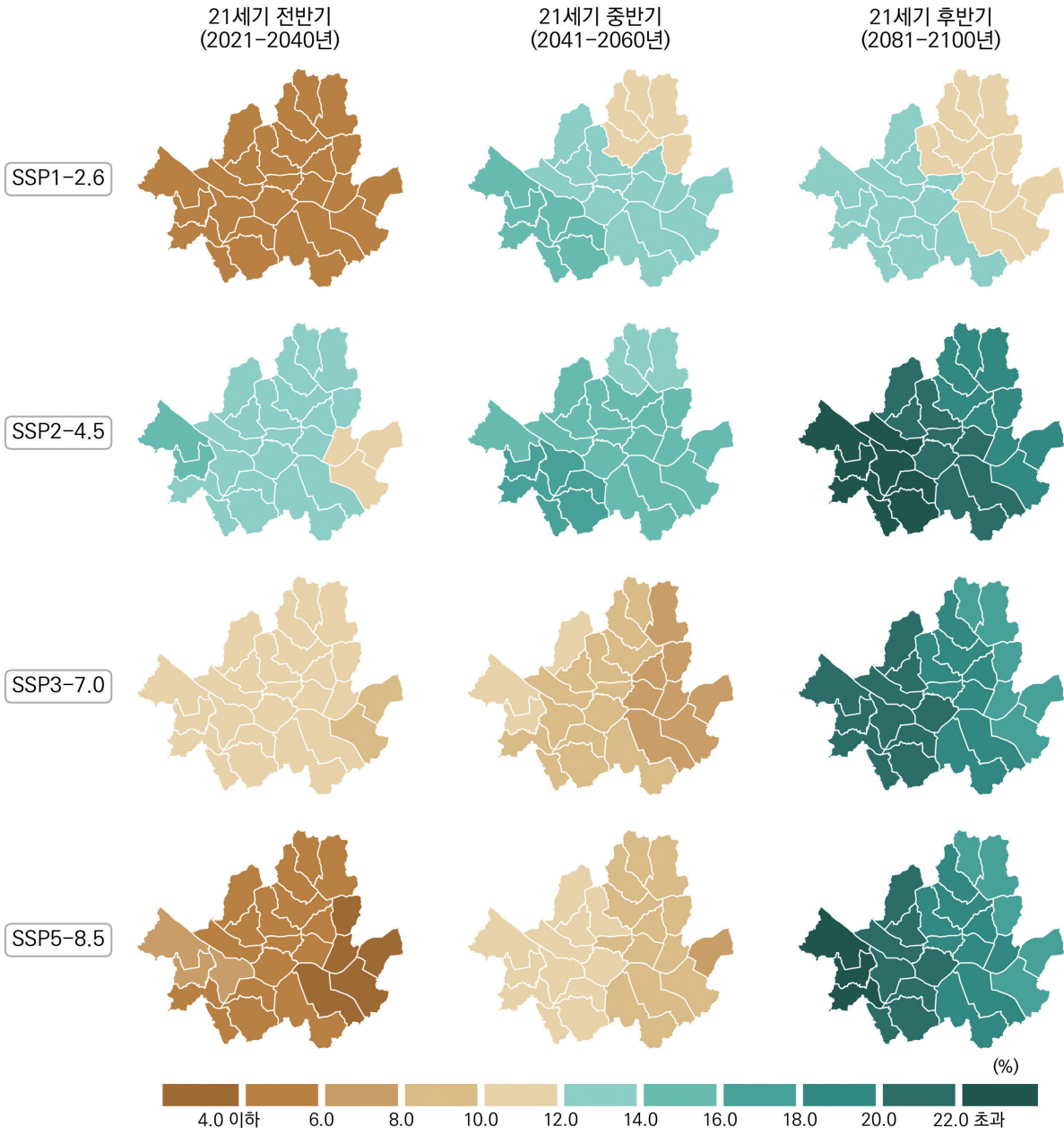


그림 4-17. 서울특별시의 연강수량 변화율(%) (2000-2019년 대비) 전망 분포도

표 4-25. 서울특별시의 연강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	1269.6	1306.4 +2.9%	1368.2 +7.8%	1421.1 +11.9%	1448.8 +14.1%	1466.4 +15.5%	1414.3 +11.4%	1480.4 +16.6%	1363.8 +7.4%	1337.3 +5.3%	1435.0 +13.0%	1422.1 +12.0%
강남구	1272.3	1299.1 +2.1%	1381.4 +8.6%	1418.2 +11.5%	1462.4 +14.9%	1471.4 +15.6%	1417.5 +11.4%	1479.7 +16.3%	1365.4 +7.3%	1340.2 +5.3%	1440.3 +13.2%	1422.5 +11.8%
강동구	1300.2	1319.7 +1.5%	1401.2 +7.8%	1438.1 +10.6%	1478.6 +13.7%	1481.9 +14.0%	1427.7 +9.8%	1492.2 +14.8%	1387.6 +6.7%	1360.4 +4.6%	1458.4 +12.2%	1439.9 +10.7%
강북구	1365.8	1414.9 +3.6%	1454.4 +6.5%	1512.4 +10.7%	1528.0 +11.9%	1563.1 +14.4%	1500.3 +9.8%	1578.3 +15.6%	1447.5 +6.0%	1434.6 +5.0%	1520.2 +11.3%	1512.9 +10.8%
강서구	1206.0	1248.6 +3.5%	1304.9 +8.2%	1360.2 +12.8%	1391.8 +15.4%	1406.2 +16.6%	1366.6 +13.3%	1424.1 +18.1%	1310.7 +8.7%	1276.8 +5.9%	1376.0 +14.1%	1367.4 +13.4%
관악구	1245.7	1279.2 +2.7%	1351.3 +8.5%	1405.2 +12.8%	1446.3 +16.1%	1452.2 +16.6%	1404.2 +12.7%	1459.2 +17.1%	1351.6 +8.5%	1315.2 +5.6%	1425.7 +14.4%	1405.4 +12.8%
광진구	1284.7	1310.6 +2.0%	1390.0 +8.2%	1426.0 +11.0%	1464.4 +14.0%	1476.1 +14.9%	1421.9 +10.7%	1484.4 +15.5%	1375.1 +7.0%	1350.3 +5.1%	1445.2 +12.5%	1429.7 +11.3%
구로구	1224.9	1259.7 +2.8%	1328.0 +8.4%	1386.5 +13.2%	1422.2 +16.1%	1434.1 +17.1%	1386.6 +13.2%	1446.1 +18.1%	1328.2 +8.4%	1293.9 +5.6%	1404.4 +14.7%	1387.1 +13.2%
금천구	1228.6	1260.3 +2.6%	1332.7 +8.5%	1391.0 +13.2%	1436.8 +16.9%	1438.7 +17.1%	1393.1 +13.4%	1441.2 +17.3%	1334.0 +8.6%	1296.5 +5.5%	1413.9 +15.1%	1387.6 +12.9%
노원구	1333.9	1380.0 +3.5%	1424.6 +6.8%	1473.9 +10.5%	1490.6 +11.7%	1518.9 +13.9%	1457.7 +9.3%	1532.7 +14.9%	1413.0 +5.9%	1402.3 +5.1%	1482.3 +11.1%	1472.8 +10.4%
도봉구	1407.4	1460.4 +3.8%	1498.8 +6.5%	1555.2 +10.5%	1565.7 +11.2%	1608.3 +14.3%	1540.3 +9.4%	1618.2 +15.0%	1480.6 +5.2%	1479.6 +5.1%	1560.4 +10.9%	1549.4 +10.1%
동대문구	1300.5	1333.0 +2.5%	1397.5 +7.5%	1445.5 +11.1%	1471.6 +13.2%	1490.6 +14.6%	1438.2 +10.6%	1508.1 +16.0%	1390.0 +6.9%	1365.2 +5.0%	1458.6 +12.2%	1449.1 +11.4%
동작구	1226.6	1257.7 +2.5%	1330.4 +8.5%	1387.4 +13.1%	1416.5 +15.5%	1434.1 +16.9%	1378.3 +12.4%	1443.8 +17.7%	1327.5 +8.2%	1294.0 +5.5%	1402.0 +14.3%	1385.7 +13.0%
마포구	1231.1	1275.5 +3.6%	1328.9 +7.9%	1391.7 +13.0%	1411.4 +14.6%	1430.2 +16.2%	1381.6 +12.2%	1447.4 +17.6%	1332.0 +8.2%	1302.2 +5.8%	1401.5 +13.8%	1389.7 +12.9%
서대문구	1257.1	1304.4 +3.8%	1348.5 +7.3%	1418.4 +12.8%	1431.4 +13.9%	1454.4 +15.7%	1404.1 +11.7%	1474.9 +17.3%	1357.4 +8.0%	1326.5 +5.5%	1424.9 +13.3%	1416.2 +12.7%
서초구	1252.6	1283.4 +2.5%	1357.6 +8.4%	1404.4 +12.1%	1442.3 +15.1%	1457.5 +16.4%	1401.3 +11.9%	1463.7 +16.9%	1350.4 +7.8%	1320.5 +5.4%	1423.3 +13.6%	1407.1 +12.3%
성동구	1267.5	1298.1 +2.4%	1367.9 +7.9%	1416.6 +11.8%	1443.5 +13.9%	1458.3 +15.1%	1407.1 +11.0%	1477.7 +16.6%	1357.5 +7.1%	1333.0 +5.2%	1430.0 +12.8%	1417.6 +11.8%
성북구	1321.2	1363.7 +3.2%	1413.2 +7.0%	1470.8 +11.3%	1485.7 +12.5%	1516.0 +14.7%	1457.0 +10.3%	1533.0 +16.0%	1412.0 +6.9%	1388.4 +5.1%	1478.3 +11.9%	1472.5 +11.5%
송파구	1277.4	1300.6 +1.8%	1383.9 +8.3%	1415.5 +10.8%	1460.2 +14.3%	1464.0 +14.6%	1414.6 +10.7%	1477.7 +15.7%	1364.6 +6.8%	1342.2 +5.1%	1437.9 +12.6%	1421.2 +11.3%
양천구	1212.5	1254.2 +3.4%	1314.1 +8.4%	1372.0 +13.2%	1401.8 +15.6%	1416.7 +16.8%	1373.7 +13.3%	1431.8 +18.1%	1317.2 +8.6%	1284.1 +5.9%	1386.9 +14.4%	1374.5 +13.4%
영등포구	1223.0	1257.8 +2.8%	1329.2 +8.7%	1385.0 +13.2%	1416.7 +15.8%	1429.6 +16.9%	1377.9 +12.7%	1444.3 +18.1%	1325.8 +8.4%	1293.5 +5.8%	1400.8 +14.5%	1385.1 +13.3%
용산구	1206.9	1243.7 +3.0%	1302.8 +7.9%	1361.5 +12.8%	1382.0 +14.5%	1400.6 +16.0%	1349.5 +11.8%	1419.5 +17.6%	1301.9 +7.9%	1273.3 +5.5%	1371.7 +13.7%	1360.7 +12.7%
은평구	1239.0	1290.4 +4.1%	1328.4 +7.2%	1394.9 +12.6%	1410.9 +13.9%	1430.2 +15.4%	1388.5 +12.1%	1453.5 +17.3%	1336.1 +7.8%	1309.4 +5.7%	1402.9 +13.2%	1394.8 +12.6%
종로구	1281.7	1321.9 +3.1%	1370.8 +7.0%	1435.3 +12.0%	1448.3 +13.0%	1475.0 +15.1%	1421.5 +10.9%	1493.5 +16.5%	1375.3 +7.3%	1346.3 +5.0%	1441.8 +12.5%	1434.4 +11.9%
중구	1260.6	1296.7 +2.9%	1354.0 +7.4%	1412.0 +12.0%	1430.4 +13.5%	1452.4 +15.2%	1399.9 +11.1%	1473.1 +16.9%	1352.7 +7.3%	1325.3 +5.1%	1421.2 +12.7%	1412.9 +12.1%
종랑구	1313.2	1347.4 +2.6%	1409.7 +7.3%	1450.7 +10.5%	1480.6 +12.7%	1499.9 +14.2%	1447.8 +10.2%	1511.8 +15.1%	1401.4 +6.7%	1378.6 +5.0%	1465.6 +11.6%	1456.6 +10.9%

표 4-26. 서울특별시의 연강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	1269.6	1439.5	1429.8	1512.2	1411.7	1482.6	1531.5	1496.8	1573.0	1434.6	1462.0	1534.9
		+13.4%	+12.6%	+19.1%	+11.2%	+16.8%	+20.6%	+17.9%	+23.9%	+13.0%	+15.2%	+20.9%
강남구	1272.3	1440.1	1416.3	1526.9	1403.4	1479.5	1524.4	1495.2	1567.5	1428.2	1465.2	1531.4
		+13.2%	+11.3%	+20.0%	+10.3%	+16.3%	+19.8%	+17.5%	+23.2%	+12.3%	+15.2%	+20.4%
강동구	1300.2	1455.3	1443.5	1544.7	1424.7	1495.7	1542.4	1508.1	1573.6	1449.4	1484.7	1540.9
		+11.9%	+11.0%	+18.8%	+9.6%	+15.0%	+18.6%	+16.0%	+21.0%	+11.5%	+14.2%	+18.5%
강북구	1365.8	1545.7	1537.0	1599.2	1513.6	1581.1	1638.9	1593.7	1663.2	1541.3	1556.4	1628.5
		+13.2%	+12.5%	+17.1%	+10.8%	+15.8%	+20.0%	+16.7%	+21.8%	+12.8%	+14.0%	+19.2%
강서구	1206.0	1378.2	1381.9	1441.4	1355.3	1431.9	1483.4	1443.1	1537.0	1380.1	1398.3	1490.0
		+14.3%	+14.6%	+19.5%	+12.4%	+18.7%	+23.0%	+19.7%	+27.4%	+14.4%	+15.9%	+23.5%
관악구	1245.7	1421.0	1406.8	1497.5	1395.1	1465.6	1513.4	1480.1	1570.2	1413.9	1446.3	1525.1
		+14.1%	+12.9%	+20.2%	+12.0%	+17.7%	+21.5%	+18.8%	+26.0%	+13.5%	+16.1%	+22.4%
광진구	1284.7	1444.8	1431.7	1531.5	1410.9	1491.9	1536.6	1499.8	1568.2	1438.2	1471.2	1534.0
		+12.5%	+11.4%	+19.2%	+9.8%	+16.1%	+19.6%	+16.7%	+22.1%	+11.9%	+14.5%	+19.4%
구로구	1224.9	1398.2	1394.8	1469.7	1380.3	1447.9	1501.1	1463.3	1557.4	1396.5	1425.0	1510.3
		+14.1%	+13.9%	+20.0%	+12.7%	+18.2%	+22.5%	+19.5%	+27.1%	+14.0%	+16.3%	+23.3%
금천구	1228.6	1399.2	1395.3	1473.6	1380.5	1449.4	1507.7	1460.2	1555.3	1397.3	1427.0	1507.7
		+13.9%	+13.6%	+19.9%	+12.4%	+18.0%	+22.7%	+18.9%	+26.6%	+13.7%	+16.1%	+22.7%
노원구	1333.9	1508.7	1495.9	1558.7	1475.6	1540.0	1598.3	1551.4	1617.7	1502.3	1517.1	1584.6
		+13.1%	+12.1%	+16.9%	+10.6%	+15.5%	+19.8%	+16.3%	+21.3%	+12.6%	+13.7%	+18.8%
도봉구	1407.4	1593.0	1580.9	1635.6	1560.7	1622.7	1687.6	1631.1	1704.0	1586.9	1598.1	1667.6
		+13.2%	+12.3%	+16.2%	+10.9%	+15.3%	+19.9%	+15.9%	+21.1%	+12.8%	+13.5%	+18.5%
동대문구	1300.5	1465.1	1457.1	1543.9	1436.5	1510.3	1556.4	1521.3	1586.4	1461.1	1490.2	1553.8
		+12.7%	+12.0%	+18.7%	+10.5%	+16.1%	+19.7%	+17.0%	+22.0%	+12.3%	+14.6%	+19.5%
동작구	1226.6	1396.9	1385.2	1477.4	1371.0	1439.7	1485.7	1455.4	1545.4	1391.1	1424.2	1500.4
		+13.9%	+12.9%	+20.4%	+11.8%	+17.4%	+21.1%	+18.7%	+26.0%	+13.4%	+16.1%	+22.3%
마포구	1231.1	1404.3	1397.7	1474.8	1375.9	1448.3	1492.4	1469.0	1545.1	1401.0	1425.3	1507.0
		+14.1%	+13.5%	+19.8%	+11.8%	+17.6%	+21.2%	+19.3%	+25.5%	+13.8%	+15.8%	+22.4%
서대문구	1257.1	1432.3	1424.7	1497.3	1402.8	1477.7	1523.1	1497.9	1569.4	1428.5	1450.0	1533.6
		+13.9%	+13.3%	+19.1%	+11.6%	+17.5%	+21.2%	+19.2%	+24.8%	+13.6%	+15.3%	+22.0%
서초구	1252.6	1419.7	1401.4	1507.5	1389.8	1466.3	1509.2	1480.1	1558.0	1410.5	1448.7	1519.1
		+13.3%	+11.9%	+20.3%	+11.0%	+17.1%	+20.5%	+18.2%	+24.4%	+12.6%	+15.7%	+21.3%
성동구	1267.5	1428.7	1419.2	1517.8	1399.7	1477.1	1516.6	1489.8	1555.4	1423.9	1458.8	1522.6
		+12.7%	+12.0%	+19.7%	+10.4%	+16.5%	+19.7%	+17.5%	+22.7%	+12.3%	+15.1%	+20.1%
성북구	1321.2	1495.9	1485.8	1562.9	1466.8	1535.0	1585.4	1548.0	1619.0	1490.8	1514.9	1583.5
		+13.2%	+12.5%	+18.3%	+11.0%	+16.2%	+20.0%	+17.2%	+22.5%	+12.8%	+14.7%	+19.9%
송파구	1277.4	1439.9	1417.6	1522.7	1405.5	1474.8	1521.7	1490.7	1560.6	1428.8	1464.1	1525.7
		+12.7%	+11.0%	+19.2%	+10.0%	+15.5%	+19.1%	+16.7%	+22.2%	+11.9%	+14.6%	+19.4%
양천구	1212.5	1384.5	1389.1	1451.8	1365.5	1436.6	1489.3	1450.1	1543.8	1386.8	1408.7	1496.9
		+14.2%	+14.6%	+19.7%	+12.6%	+18.5%	+22.8%	+19.6%	+27.3%	+14.4%	+16.2%	+23.5%
영등포구	1223.0	1394.1	1391.2	1468.8	1374.3	1438.9	1487.6	1457.0	1547.4	1392.7	1421.6	1502.2
		+14.0%	+13.8%	+20.1%	+12.4%	+17.7%	+21.6%	+19.1%	+26.5%	+13.9%	+16.2%	+22.8%
용산구	1206.9	1370.2	1358.4	1452.2	1344.3	1413.4	1456.9	1429.4	1507.4	1364.3	1398.2	1468.4
		+13.5%	+12.6%	+20.3%	+11.4%	+17.1%	+20.7%	+18.4%	+24.9%	+13.0%	+15.9%	+21.7%
은평구	1239.0	1414.3	1409.6	1469.2	1383.2	1458.9	1506.1	1475.7	1544.8	1412.0	1426.2	1510.3
		+14.1%	+13.8%	+18.6%	+11.6%	+17.7%	+21.6%	+19.1%	+24.7%	+14.0%	+15.1%	+21.9%
종로구	1281.7	1454.0	1442.2	1522.0	1426.0	1495.4	1540.8	1513.7	1581.5	1448.1	1474.0	1547.6
		+13.4%	+12.5%	+18.7%	+11.3%	+16.7%	+20.2%	+18.1%	+23.4%	+13.0%	+15.0%	+20.7%
중구	1260.6	1425.1	1415.3	1505.9	1400.8	1469.0	1513.9	1487.5	1557.6	1420.2	1453.4	1522.5
		+13.0%	+12.3%	+19.5%	+11.1%	+16.5%	+20.1%	+18.0%	+23.6%	+12.7%	+15.3%	+20.8%
종량구	1313.2	1479.4	1465.2	1553.1	1449.4	1518.3	1569.1	1529.0	1588.3	1472.3	1501.2	1558.7
		+12.7%	+11.6%	+18.3%	+10.4%	+15.6%	+19.5%	+16.4%	+20.9%	+12.1%	+14.3%	+18.7%



표 4-27. 서울특별시의 연강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	1269.6	1306.4 +2.9%	1498.5 +18.0%	1282.7 +1.0%	1477.2 +16.4%	1544.3 +21.6%	1626.6 +28.1%	1510.2 +19.0%	1521.3 +19.8%	1402.5 +10.5%	1379.9 +8.7%	1515.7 +19.4%
강남구	1272.3	1304.0 +2.5%	1497.9 +17.7%	1279.1 +0.5%	1459.2 +14.7%	1536.1 +20.7%	1624.0 +27.6%	1504.8 +18.3%	1507.8 +18.5%	1401.0 +10.1%	1369.2 +7.6%	1506.3 +18.4%
강동구	1300.2	1333.4 +2.6%	1521.2 +17.0%	1296.7 -0.3%	1477.8 +13.7%	1555.4 +19.6%	1638.9 +26.0%	1520.7 +17.0%	1509.3 +16.1%	1427.3 +9.8%	1387.2 +6.7%	1515.0 +16.5%
강북구	1365.8	1409.1 +3.2%	1607.6 +17.7%	1365.9 +0.0%	1591.6 +16.5%	1646.8 +20.6%	1733.8 +26.9%	1627.8 +19.2%	1602.2 +17.3%	1508.4 +10.4%	1478.7 +8.3%	1615.0 +18.2%
강서구	1206.0	1243.8 +3.1%	1425.7 +18.2%	1233.7 +2.3%	1438.3 +19.3%	1488.0 +23.4%	1567.8 +30.0%	1449.9 +20.2%	1477.9 +22.5%	1334.7 +10.7%	1336.0 +10.8%	1463.9 +21.4%
관악구	1245.7	1280.4 +2.8%	1466.1 +17.7%	1271.5 +2.1%	1451.3 +16.5%	1524.3 +22.4%	1607.6 +29.1%	1488.8 +19.5%	1525.9 +22.5%	1373.3 +10.2%	1361.4 +9.3%	1507.4 +21.0%
광진구	1284.7	1317.6 +2.6%	1513.3 +17.8%	1283.5 -0.1%	1474.7 +14.8%	1549.9 +20.6%	1633.7 +27.2%	1511.7 +17.7%	1513.9 +17.8%	1415.5 +10.2%	1379.1 +7.3%	1512.8 +17.8%
구로구	1224.9	1256.6 +2.6%	1453.2 +18.6%	1255.5 +2.5%	1440.4 +17.6%	1511.7 +23.4%	1591.1 +29.9%	1470.9 +20.1%	1510.2 +23.3%	1354.9 +10.6%	1348.0 +10.0%	1490.6 +21.7%
금천구	1228.6	1261.3 +2.7%	1447.8 +17.8%	1254.2 +2.1%	1441.3 +17.3%	1504.4 +22.4%	1591.3 +29.5%	1472.3 +19.8%	1514.7 +23.3%	1354.6 +10.3%	1347.8 +9.7%	1493.5 +21.6%
노원구	1333.9	1379.6 +3.4%	1569.9 +17.7%	1330.4 -0.3%	1549.9 +16.2%	1604.7 +20.3%	1690.3 +26.7%	1579.3 +18.4%	1558.6 +16.8%	1474.8 +10.6%	1440.2 +8.0%	1568.9 +17.6%
도봉구	1407.4	1455.7 +3.4%	1651.1 +17.3%	1406.5 -0.1%	1638.5 +16.4%	1687.5 +19.9%	1780.7 +26.5%	1673.2 +18.9%	1643.7 +16.8%	1553.4 +10.4%	1522.5 +8.2%	1658.5 +17.8%
동대문구	1300.5	1343.0 +3.3%	1534.4 +18.0%	1301.3 +0.1%	1502.9 +15.6%	1574.1 +21.0%	1651.9 +27.0%	1539.6 +18.4%	1536.7 +18.2%	1438.7 +10.6%	1402.1 +7.8%	1538.1 +18.3%
동작구	1226.6	1259.5 +2.7%	1452.6 +18.4%	1249.4 +1.9%	1427.4 +16.4%	1499.9 +22.3%	1586.9 +29.4%	1460.8 +19.1%	1500.4 +22.3%	1356.1 +10.6%	1338.4 +9.1%	1480.6 +20.7%
마포구	1231.1	1266.4 +2.9%	1463.8 +18.9%	1256.9 +2.1%	1447.1 +17.5%	1513.8 +23.0%	1592.4 +29.3%	1474.1 +19.7%	1505.6 +22.3%	1365.1 +10.9%	1352.0 +9.8%	1489.8 +21.0%
서대문구	1257.1	1296.0 +3.1%	1486.4 +18.2%	1280.9 +1.9%	1476.4 +17.4%	1539.3 +22.4%	1617.6 +28.7%	1504.8 +19.7%	1519.3 +20.9%	1391.2 +10.7%	1378.6 +9.7%	1512.0 +20.3%
서초구	1252.6	1287.3 +2.8%	1480.3 +18.2%	1267.6 +1.2%	1444.9 +15.4%	1519.8 +21.3%	1610.3 +28.6%	1486.3 +18.7%	1504.0 +20.1%	1383.8 +10.5%	1356.2 +8.3%	1495.1 +19.4%
성동구	1267.5	1305.9 +3.0%	1498.2 +18.2%	1274.1 +0.5%	1464.0 +15.5%	1538.1 +21.3%	1618.7 +27.7%	1501.1 +18.4%	1512.5 +19.3%	1402.0 +10.6%	1369.0 +8.0%	1506.8 +18.9%
성북구	1321.2	1360.7 +3.0%	1558.8 +18.0%	1324.7 +0.3%	1537.1 +16.3%	1600.3 +21.1%	1679.9 +27.1%	1572.8 +19.0%	1560.1 +18.1%	1459.7 +10.5%	1430.9 +8.3%	1566.5 +18.6%
송파구	1277.4	1305.2 +2.2%	1493.7 +16.9%	1280.3 +0.2%	1454.2 +13.8%	1529.9 +19.8%	1615.8 +26.5%	1504.1 +17.7%	1486.4 +16.4%	1399.4 +9.6%	1367.2 +7.0%	1495.3 +17.1%
양천구	1212.5	1246.4 +2.8%	1440.2 +18.8%	1242.2 +2.4%	1437.0 +18.5%	1501.6 +23.8%	1577.9 +30.1%	1456.0 +20.1%	1491.5 +23.0%	1343.3 +10.8%	1339.6 +10.5%	1473.7 +21.5%
영등포구	1223.0	1256.9 +2.8%	1454.9 +19.0%	1249.9 +2.2%	1435.1 +17.3%	1505.7 +23.1%	1588.7 +29.9%	1466.5 +19.9%	1508.5 +23.3%	1355.9 +10.9%	1342.5 +9.8%	1487.5 +21.6%
용산구	1206.9	1240.2 +2.8%	1431.9 +18.6%	1224.7 +1.5%	1404.2 +16.3%	1477.4 +22.4%	1557.0 +29.0%	1434.9 +18.9%	1468.9 +21.7%	1336.1 +10.7%	1314.4 +8.9%	1451.9 +20.3%
은평구	1239.0	1283.8 +3.6%	1459.2 +17.8%	1261.0 +1.8%	1468.6 +18.5%	1520.7 +22.7%	1597.4 +28.9%	1489.4 +20.2%	1490.5 +20.3%	1371.5 +10.7%	1364.8 +10.2%	1490.0 +20.3%
종로구	1281.7	1317.7 +2.8%	1514.1 +18.1%	1294.3 +1.0%	1492.9 +16.5%	1561.4 +21.8%	1636.7 +27.7%	1523.7 +18.9%	1531.9 +19.5%	1415.9 +10.5%	1393.6 +8.7%	1527.8 +19.2%
중구	1260.6	1295.3 +2.8%	1491.6 +18.3%	1274.4 +1.1%	1463.1 +16.1%	1536.2 +21.9%	1613.1 +28.0%	1496.3 +18.7%	1514.5 +20.1%	1393.4 +10.5%	1368.7 +8.6%	1505.4 +19.4%
중랑구	1313.2	1355.0 +3.2%	1548.6 +17.9%	1307.9 -0.4%	1511.1 +15.1%	1581.6 +20.4%	1661.2 +26.5%	1544.0 +17.6%	1538.7 +17.2%	1451.8 +10.6%	1409.5 +7.3%	1541.3 +17.4%

표 4-28. 서울특별시의 연강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	1269.6	1358.7	1304.1	1333.2	1460.4	1373.6	1548.4	1517.0	1526.9	1331.4	1396.8	1521.9
		+7.0%	+2.7%	+5.0%	+15.0%	+8.2%	+22.0%	+19.5%	+20.3%	+4.9%	+10.0%	+19.9%
강남구	1272.3	1352.5	1288.4	1324.2	1449.0	1369.0	1533.6	1512.9	1517.7	1320.5	1386.6	1515.3
		+6.3%	+1.3%	+4.1%	+13.9%	+7.6%	+20.5%	+18.9%	+19.3%	+3.8%	+9.0%	+19.1%
강동구	1300.2	1371.0	1317.0	1350.2	1457.6	1375.7	1543.1	1518.7	1531.9	1344.0	1403.9	1525.3
		+5.4%	+1.3%	+3.8%	+12.1%	+5.8%	+18.7%	+16.8%	+17.8%	+3.4%	+8.0%	+17.3%
강북구	1365.8	1456.1	1403.7	1434.9	1561.6	1465.9	1661.1	1612.2	1627.6	1429.9	1498.2	1619.9
		+6.6%	+2.8%	+5.1%	+14.3%	+7.3%	+21.6%	+18.0%	+19.2%	+4.7%	+9.7%	+18.6%
강서구	1206.0	1308.6	1261.1	1279.7	1412.7	1330.1	1501.7	1469.6	1478.4	1284.9	1346.2	1474.0
		+8.5%	+4.6%	+6.1%	+17.1%	+10.3%	+24.5%	+21.9%	+22.6%	+6.5%	+11.6%	+22.2%
관악구	1245.7	1341.3	1277.7	1306.6	1444.4	1371.7	1544.0	1500.5	1511.6	1309.5	1375.5	1506.1
		+7.7%	+2.6%	+4.9%	+16.0%	+10.1%	+23.9%	+20.5%	+21.3%	+5.1%	+10.4%	+20.9%
광진구	1284.7	1363.2	1303.5	1340.5	1452.8	1367.5	1541.2	1516.9	1526.5	1333.4	1396.6	1521.7
		+6.1%	+1.5%	+4.3%	+13.1%	+6.4%	+20.0%	+18.1%	+18.8%	+3.8%	+8.7%	+18.4%
구로구	1224.9	1326.0	1272.0	1295.1	1434.9	1355.1	1521.9	1490.2	1500.1	1299.0	1365.0	1495.2
		+8.3%	+3.8%	+5.7%	+17.1%	+10.6%	+24.2%	+21.7%	+22.5%	+6.0%	+11.4%	+22.1%
금천구	1228.6	1328.4	1259.5	1294.0	1428.7	1366.3	1527.5	1484.7	1498.5	1293.9	1361.4	1491.6
		+8.1%	+2.5%	+5.3%	+16.3%	+11.2%	+24.3%	+20.8%	+22.0%	+5.3%	+10.8%	+21.4%
노원구	1333.9	1411.9	1372.5	1399.9	1516.5	1423.7	1608.7	1562.3	1575.4	1392.2	1458.2	1568.8
		+5.8%	+2.9%	+4.9%	+13.7%	+6.7%	+20.6%	+17.1%	+18.1%	+4.4%	+9.3%	+17.6%
도봉구	1407.4	1492.4	1448.5	1483.2	1604.6	1511.0	1713.2	1653.0	1669.6	1470.4	1543.9	1661.3
		+6.0%	+2.9%	+5.4%	+14.0%	+7.4%	+21.7%	+17.5%	+18.6%	+4.5%	+9.7%	+18.0%
동대문구	1300.5	1381.8	1327.9	1367.0	1478.9	1386.3	1571.2	1537.4	1546.8	1354.9	1422.9	1542.1
		+6.3%	+2.1%	+5.1%	+13.7%	+6.6%	+20.8%	+18.2%	+18.9%	+4.2%	+9.4%	+18.6%
동작구	1226.6	1321.4	1261.6	1286.3	1426.7	1342.5	1509.8	1483.5	1485.5	1291.5	1356.5	1484.5
		+7.7%	+2.9%	+4.9%	+16.3%	+9.4%	+23.1%	+20.9%	+21.1%	+5.3%	+10.6%	+21.0%
마포구	1231.1	1328.4	1278.8	1297.1	1436.1	1342.0	1514.4	1493.8	1497.6	1303.6	1366.6	1495.7
		+7.9%	+3.9%	+5.4%	+16.7%	+9.0%	+23.0%	+21.3%	+21.6%	+5.9%	+11.0%	+21.5%
서대문구	1257.1	1353.5	1305.5	1323.1	1462.3	1369.3	1540.6	1519.9	1530.6	1329.5	1392.7	1525.3
		+7.7%	+3.9%	+5.3%	+16.3%	+8.9%	+22.6%	+20.9%	+21.8%	+5.8%	+10.8%	+21.3%
서초구	1252.6	1337.6	1273.3	1306.8	1438.4	1362.5	1528.5	1501.9	1503.8	1305.4	1372.6	1502.9
		+6.8%	+1.7%	+4.3%	+14.8%	+8.8%	+22.0%	+19.9%	+20.1%	+4.2%	+9.6%	+20.0%
성동구	1267.5	1352.3	1292.2	1330.1	1447.6	1355.3	1533.7	1507.6	1512.9	1322.3	1388.8	1510.2
		+6.7%	+1.9%	+4.9%	+14.2%	+6.9%	+21.0%	+18.9%	+19.4%	+4.3%	+9.6%	+19.1%
성북구	1321.2	1410.5	1357.1	1387.4	1510.5	1417.4	1605.9	1565.1	1581.1	1383.8	1448.9	1573.1
		+6.8%	+2.7%	+5.0%	+14.3%	+7.3%	+21.5%	+18.5%	+19.7%	+4.7%	+9.7%	+19.1%
송파구	1277.4	1349.7	1289.3	1322.4	1441.0	1358.6	1518.3	1499.2	1514.2	1319.5	1381.7	1506.7
		+5.7%	+0.9%	+3.5%	+12.8%	+6.4%	+18.9%	+17.4%	+18.5%	+3.3%	+8.2%	+18.0%
양천구	1212.5	1315.9	1266.0	1284.5	1424.7	1336.1	1510.8	1476.8	1487.4	1291.0	1354.6	1482.1
		+8.5%	+4.4%	+5.9%	+17.5%	+10.2%	+24.6%	+21.8%	+22.7%	+6.5%	+11.7%	+22.2%
영등포구	1223.0	1326.2	1268.4	1291.2	1431.9	1342.9	1512.4	1486.3	1491.3	1297.3	1361.5	1488.8
		+8.4%	+3.7%	+5.6%	+17.1%	+9.8%	+23.7%	+21.5%	+21.9%	+6.1%	+11.3%	+21.7%
용산구	1206.9	1294.5	1240.6	1268.2	1400.2	1306.6	1477.4	1454.6	1460.5	1267.5	1334.2	1457.6
		+7.3%	+2.8%	+5.1%	+16.0%	+8.3%	+22.4%	+20.5%	+21.0%	+5.0%	+10.5%	+20.8%
은평구	1239.0	1340.3	1287.5	1307.0	1438.4	1356.5	1522.5	1497.0	1509.0	1313.9	1372.7	1503.0
		+8.2%	+3.9%	+5.5%	+16.1%	+9.5%	+22.9%	+20.8%	+21.8%	+6.0%	+10.8%	+21.3%
종로구	1281.7	1371.7	1318.3	1345.6	1476.1	1380.7	1560.8	1531.8	1544.5	1345.0	1410.8	1538.1
		+7.0%	+2.9%	+5.0%	+15.2%	+7.7%	+21.8%	+19.5%	+20.5%	+4.9%	+10.1%	+20.0%
중구	1260.6	1345.7	1292.1	1324.0	1450.0	1355.2	1533.3	1508.8	1517.7	1318.9	1387.0	1513.2
		+6.8%	+2.5%	+5.0%	+15.0%	+7.5%	+21.6%	+19.7%	+20.4%	+4.6%	+10.0%	+20.0%
종랑구	1313.2	1387.7	1340.7	1380.6	1483.7	1392.7	1575.6	1539.8	1552.7	1364.2	1432.2	1546.2
		+5.7%	+2.1%	+5.1%	+13.0%	+6.1%	+20.0%	+17.3%	+18.2%	+3.9%	+9.1%	+17.7%

표 4-29. 서울특별시의 계절별 강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP1-2.6)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	181.7	826.2	256.2	73.3	184.8	913.4	271.5	64.1	190.5	897.4	255.6	79.9
	-1.5%	+3.2%	+11.6%	+33.0%	+0.2%	+14.1%	+18.2%	+16.3%	+3.3%	+12.1%	+11.3%	+45.0%
강남구	181.8	827.5	258.7	72.2	184.6	909.6	282.0	63.2	189.2	892.7	263.4	78.5
	-0.2%	+3.2%	+10.5%	+34.0%	+1.3%	+13.4%	+20.4%	+17.3%	+3.8%	+11.3%	+12.5%	+45.6%
강동구	182.3	849.3	256.7	72.1	182.4	931.4	280.4	63.1	187.9	910.7	264.3	78.2
	+0.4%	+2.5%	+9.0%	+31.8%	+0.5%	+12.4%	+19.1%	+15.4%	+3.5%	+9.9%	+12.2%	+43.0%
강북구	196.6	891.5	267.2	78.9	199.6	977.4	273.6	68.4	206.4	962.4	260.7	84.6
	-2.2%	+2.6%	+12.8%	+33.3%	-0.7%	+12.5%	+15.5%	+15.5%	+2.7%	+10.8%	+10.0%	+42.9%
강서구	171.1	780.9	253.5	71.4	175.5	872.8	263.7	62.9	180.9	861.7	247.7	78.1
	-2.7%	+3.9%	+12.7%	+32.7%	-0.2%	+16.2%	+17.3%	+16.9%	+2.8%	+14.7%	+10.1%	+45.2%
관악구	184.4	799.2	257.8	74.1	188.2	891.9	278.7	65.7	192.2	872.4	260.3	81.7
	-1.3%	+3.8%	+10.8%	+33.0%	+0.7%	+15.8%	+19.8%	+18.0%	+2.8%	+13.3%	+11.9%	+46.7%
광진구	181.0	839.5	257.1	72.8	183.2	918.3	278.9	63.7	188.2	902.0	261.2	79.5
	-0.5%	+3.0%	+10.3%	+32.6%	+0.7%	+12.7%	+19.7%	+16.0%	+3.4%	+10.7%	+12.1%	+44.8%
구로구	179.5	784.7	256.7	73.4	184.3	879.4	274.1	65.3	187.7	862.8	256.3	81.5
	-2.1%	+3.9%	+11.3%	+31.8%	+0.5%	+16.4%	+18.9%	+17.2%	+2.3%	+14.2%	+11.1%	+46.3%
금천구	183.3	781.9	258.6	73.1	188.6	877.4	281.2	65.4	191.1	856.1	260.8	80.8
	-1.8%	+3.9%	+10.4%	+32.2%	+1.0%	+16.6%	+20.0%	+18.3%	+2.4%	+13.8%	+11.3%	+46.1%
노원구	190.1	877.2	259.0	75.7	192.0	957.2	266.9	65.2	198.8	941.2	253.0	81.1
	-1.5%	+2.8%	+12.2%	+34.0%	-0.6%	+12.2%	+15.6%	+15.4%	+3.0%	+10.3%	+9.6%	+43.5%
도봉구	202.7	922.4	272.5	81.8	205.8	1007.0	276.5	70.2	212.9	987.8	263.5	86.5
	-2.2%	+2.6%	+13.2%	+35.7%	-0.7%	+12.0%	+14.9%	+16.4%	+2.7%	+9.9%	+9.5%	+43.4%
동대문구	184.0	850.9	256.3	74.1	187.0	934.2	272.0	64.2	193.7	919.0	256.9	80.8
	-1.3%	+2.9%	+10.9%	+32.3%	+0.3%	+13.0%	+17.6%	+14.6%	+3.9%	+11.2%	+11.1%	+44.3%
동작구	176.5	793.2	253.5	71.0	180.3	885.8	272.0	62.7	184.8	867.8	255.9	78.2
	-1.1%	+3.3%	+11.5%	+33.7%	+1.0%	+15.4%	+19.7%	+18.1%	+3.5%	+13.1%	+12.6%	+47.3%
마포구	173.1	803.3	254.9	71.1	176.0	894.7	267.5	62.1	182.7	879.4	250.8	78.0
	-1.8%	+3.6%	+12.7%	+32.9%	-0.2%	+15.4%	+18.3%	+16.1%	+3.6%	+13.4%	+10.9%	+45.8%
서대문구	179.7	819.4	253.9	73.4	182.6	912.2	265.1	63.8	189.8	897.9	249.7	80.0
	-1.8%	+3.3%	+12.5%	+32.0%	-0.2%	+15.0%	+17.5%	+14.7%	+3.7%	+13.2%	+10.6%	+43.9%
서초구	181.1	809.3	256.8	73.5	184.8	893.8	278.9	64.8	189.3	877.8	260.7	80.4
	-0.5%	+3.4%	+10.5%	+33.2%	+1.5%	+14.2%	+20.0%	+17.4%	+4.0%	+12.1%	+12.2%	+45.7%
성동구	178.4	827.9	254.6	72.1	182.0	911.4	272.5	63.0	187.5	896.5	256.1	78.7
	-1.3%	+3.0%	+11.4%	+32.5%	+0.7%	+13.4%	+19.2%	+15.8%	+3.7%	+11.6%	+12.0%	+44.7%
성북구	189.9	863.8	259.0	75.7	192.7	949.3	269.2	65.9	199.5	936.3	256.0	81.9
	-1.7%	+2.8%	+12.3%	+32.8%	-0.3%	+13.0%	+16.7%	+15.6%	+3.2%	+11.4%	+11.0%	+43.7%
송파구	182.4	834.2	254.6	71.1	183.5	912.1	279.2	62.1	189.1	894.1	261.7	77.4
	+0.3%	+3.0%	+9.6%	+34.4%	+0.9%	+12.6%	+20.1%	+17.4%	+4.0%	+10.4%	+12.6%	+46.3%
양천구	174.6	784.0	253.5	72.3	178.9	875.6	267.2	63.9	183.9	862.1	249.8	79.7
	-2.4%	+4.1%	+12.1%	+32.4%	+0.0%	+16.3%	+18.1%	+17.0%	+2.8%	+14.5%	+10.4%	+46.0%
영등포구	174.8	793.3	254.2	71.3	178.6	888.4	270.0	62.6	183.6	870.3	253.8	78.7
	-1.6%	+3.6%	+12.2%	+34.5%	+0.6%	+16.0%	+19.2%	+18.1%	+3.4%	+13.7%	+12.0%	+48.5%
용산구	173.0	785.6	245.9	68.8	175.7	873.2	261.3	60.3	181.4	858.5	246.5	75.4
	-1.4%	+3.3%	+12.2%	+32.8%	+0.2%	+14.8%	+19.3%	+16.4%	+3.4%	+12.9%	+12.5%	+45.6%
은평구	173.6	815.2	250.3	70.1	177.2	906.6	257.1	60.9	183.9	893.5	242.0	76.4
	-2.6%	+3.4%	+13.7%	+33.3%	-0.6%	+15.0%	+16.8%	+15.8%	+3.1%	+13.4%	+10.0%	+45.2%
종로구	184.0	834.5	253.8	74.0	187.1	922.7	266.2	64.5	194.0	908.9	252.1	80.6
	-1.9%	+2.9%	+11.9%	+31.4%	-0.2%	+13.7%	+17.4%	+14.6%	+3.5%	+12.0%	+11.2%	+43.2%
중구	180.4	820.0	252.1	72.9	183.6	906.3	266.4	63.6	189.9	892.8	251.9	79.6
	-1.6%	+2.9%	+11.9%	+31.6%	+0.2%	+13.8%	+18.3%	+14.8%	+3.6%	+12.1%	+11.9%	+43.7%
종각구	185.4	865.3	253.4	74.4	186.2	945.7	268.2	64.4	193.3	929.5	254.3	80.8
	-0.5%	+2.8%	+11.0%	+31.4%	-0.1%	+12.3%	+17.5%	+13.8%	+3.7%	+10.4%	+11.4%	+42.8%

표 4-30. 서울특별시의 계절별 강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP2-4.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	228.4	897.5	243.2	65.3	217.7	935.9	230.4	79.0	243.8	934.5	296.1	59.0
	+23.9%	+12.1%	+5.9%	+18.5%	+18.1%	+16.9%	+0.3%	+43.4%	+32.2%	+16.8%	+29.0%	+7.1%
강남구	226.7	895.7	241.0	64.5	217.2	934.3	237.0	77.7	242.4	928.6	300.5	58.3
	+24.4%	+11.7%	+2.9%	+19.7%	+19.2%	+16.5%	+1.2%	+44.2%	+33.0%	+15.8%	+28.3%	+8.2%
강동구	224.4	921.6	239.2	64.0	216.8	955.7	235.7	77.4	240.1	948.3	292.3	58.8
	+23.6%	+11.2%	+1.6%	+17.0%	+19.4%	+15.4%	+0.1%	+41.5%	+32.3%	+14.5%	+24.1%	+7.5%
강북구	249.3	970.7	251.9	69.2	236.9	999.8	236.0	84.7	263.2	1002.1	298.6	63.3
	+24.0%	+11.7%	+6.3%	+16.9%	+17.9%	+15.1%	-0.4%	+43.1%	+30.9%	+15.4%	+26.0%	+6.9%
강서구	218.2	852.1	245.0	64.3	204.9	892.2	224.9	77.4	232.5	900.5	298.0	57.6
	+24.0%	+13.4%	+8.9%	+19.5%	+16.5%	+18.8%	+0.0%	+43.9%	+32.2%	+19.9%	+32.5%	+7.1%
관악구	230.6	868.6	247.7	66.6	219.0	915.4	233.0	79.9	247.8	910.5	305.5	59.6
	+23.4%	+12.8%	+6.4%	+19.6%	+17.2%	+18.9%	+0.1%	+43.4%	+32.6%	+18.2%	+31.3%	+7.0%
광진구	225.4	907.4	240.4	64.8	216.7	942.3	234.3	78.8	241.1	937.9	294.4	58.9
	+23.8%	+11.4%	+3.2%	+18.0%	+19.1%	+15.7%	+0.6%	+43.5%	+32.5%	+15.1%	+26.4%	+7.3%
구로구	226.3	853.5	249.9	66.4	214.5	902.9	230.0	78.7	242.2	899.5	307.7	59.3
	+23.4%	+13.0%	+8.4%	+19.2%	+17.0%	+19.6%	-0.3%	+41.3%	+32.1%	+19.1%	+33.4%	+6.5%
금천구	229.4	849.3	252.4	65.7	218.2	897.1	233.5	79.3	247.0	891.6	308.6	59.0
	+22.9%	+12.9%	+7.7%	+18.8%	+16.9%	+19.2%	-0.3%	+43.4%	+32.3%	+18.5%	+31.7%	+6.7%
노원구	239.4	953.8	242.9	66.1	227.9	977.3	232.0	81.0	253.4	981.2	288.2	60.6
	+24.0%	+11.8%	+5.2%	+17.0%	+18.0%	+14.6%	+0.5%	+43.4%	+31.2%	+15.0%	+24.8%	+7.3%
도봉구	257.2	1002.6	256.2	70.8	244.1	1028.5	239.9	86.6	270.0	1029.7	301.7	65.0
	+24.1%	+11.5%	+6.4%	+17.4%	+17.8%	+14.4%	-0.3%	+43.6%	+30.2%	+14.6%	+25.3%	+7.8%
동대문구	231.5	920.7	242.7	65.8	221.4	957.2	232.4	80.1	247.4	952.5	292.4	59.9
	+24.1%	+11.4%	+5.0%	+17.5%	+18.7%	+15.8%	+0.5%	+43.0%	+32.7%	+15.2%	+26.5%	+7.0%
동작구	221.1	863.9	242.0	63.7	210.4	909.4	229.0	76.4	237.4	904.4	299.7	57.0
	+23.9%	+12.6%	+6.5%	+20.0%	+17.9%	+18.5%	+0.7%	+43.9%	+33.0%	+17.8%	+31.9%	+7.3%
마포구	219.3	874.4	243.3	63.7	207.6	915.6	226.1	77.1	233.8	916.9	297.8	57.1
	+24.4%	+12.8%	+7.6%	+19.1%	+17.8%	+18.1%	+0.0%	+44.1%	+32.6%	+18.3%	+31.7%	+6.7%
서대문구	226.5	894.0	242.4	65.3	215.3	930.1	225.9	79.8	242.0	938.3	292.9	59.0
	+23.8%	+12.7%	+7.4%	+17.4%	+17.7%	+17.3%	+0.1%	+43.5%	+32.2%	+18.3%	+29.8%	+6.1%
서초구	226.5	875.5	242.3	65.9	215.9	919.2	235.0	79.5	242.1	914.9	301.1	59.2
	+24.5%	+11.8%	+4.3%	+19.4%	+18.6%	+17.4%	+1.1%	+44.0%	+33.0%	+16.9%	+29.6%	+7.2%
성동구	224.4	895.4	239.5	64.4	215.0	936.0	230.4	78.3	239.9	929.8	292.9	58.1
	+24.1%	+11.5%	+4.8%	+18.4%	+18.9%	+16.5%	+0.8%	+43.9%	+32.7%	+15.7%	+28.1%	+6.8%
성북구	239.6	938.7	245.1	67.2	228.7	973.7	231.8	81.6	254.5	973.5	293.4	60.8
	+24.0%	+11.7%	+6.3%	+17.9%	+18.3%	+15.9%	+0.5%	+43.2%	+31.7%	+15.9%	+27.2%	+6.7%
송파구	225.9	903.1	236.0	63.4	217.2	937.5	234.3	76.0	241.3	931.0	293.9	57.8
	+24.3%	+11.5%	+1.5%	+19.8%	+19.5%	+15.7%	+0.8%	+43.7%	+32.7%	+14.9%	+26.5%	+9.3%
양천구	221.6	853.4	246.0	65.4	208.8	897.3	225.6	78.1	236.8	898.5	301.6	58.5
	+23.9%	+13.4%	+8.8%	+19.8%	+16.7%	+19.2%	-0.3%	+43.0%	+32.4%	+19.4%	+33.3%	+7.1%
영등포구	219.9	863.2	245.0	64.2	208.7	911.3	226.4	76.3	236.1	905.4	301.8	57.3
	+23.8%	+12.7%	+8.1%	+21.1%	+17.5%	+19.0%	-0.1%	+44.0%	+32.9%	+18.3%	+33.2%	+8.1%
용산구	216.7	853.7	232.3	61.3	207.6	895.0	221.9	74.6	232.2	892.9	286.6	55.1
	+23.5%	+12.3%	+6.0%	+18.3%	+18.4%	+17.7%	+1.3%	+44.0%	+32.4%	+17.4%	+30.8%	+6.4%
은평구	221.2	890.4	238.0	62.2	208.7	922.0	220.1	76.4	234.8	934.0	284.2	56.1
	+24.1%	+13.0%	+8.1%	+18.3%	+17.0%	+17.0%	+0.0%	+45.2%	+31.7%	+18.5%	+29.1%	+6.7%
종로구	231.7	908.8	241.4	66.0	221.6	945.4	227.7	80.2	247.4	947.6	291.4	59.5
	+23.6%	+12.0%	+6.4%	+17.2%	+18.2%	+16.5%	+0.4%	+42.5%	+31.9%	+16.8%	+28.5%	+5.7%
중구	226.6	890.1	238.3	64.9	217.4	931.0	226.8	79.1	242.8	928.9	290.4	58.7
	+23.6%	+11.7%	+5.8%	+17.1%	+18.6%	+16.9%	+0.7%	+42.8%	+32.5%	+16.6%	+29.0%	+6.0%
종랑구	231.7	936.2	238.1	66.0	221.9	970.4	229.8	80.2	246.9	963.9	286.0	60.4
	+24.3%	+11.2%	+4.3%	+16.6%	+19.0%	+15.3%	+0.7%	+41.7%	+32.5%	+14.5%	+25.3%	+6.7%

표 4-31. 서울특별시의 계절별 강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP3-7.0)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	191.0	877.4	261.7	73.9	176.8	848.1	269.1	86.8	250.3	862.3	316.4	84.4
	+3.6%	+9.6%	+14.0%	+34.1%	-4.1%	+6.0%	+17.2%	+57.5%	+35.7%	+7.7%	+37.8%	+53.2%
강남구	190.7	873.2	266.4	72.2	174.3	837.8	273.3	84.8	248.2	857.8	314.5	83.9
	+4.7%	+8.9%	+13.7%	+34.0%	-4.3%	+4.5%	+16.7%	+57.3%	+36.2%	+7.0%	+34.3%	+55.7%
강동구	189.6	902.0	264.9	72.2	174.0	860.2	268.5	85.5	245.5	870.7	313.3	83.5
	+4.5%	+8.9%	+12.5%	+32.0%	-4.1%	+3.8%	+14.0%	+56.3%	+35.3%	+5.1%	+33.0%	+52.7%
강북구	208.9	957.5	264.6	79.1	192.4	917.6	276.1	93.3	269.4	925.9	327.0	89.8
	+3.9%	+10.2%	+11.7%	+33.6%	-4.3%	+5.6%	+16.5%	+57.6%	+34.0%	+6.6%	+38.0%	+51.7%
강서구	180.9	826.3	256.7	72.2	169.5	814.3	268.4	84.7	241.3	819.7	318.2	82.5
	+2.8%	+10.0%	+14.1%	+34.2%	-3.6%	+8.4%	+19.3%	+57.4%	+37.2%	+9.1%	+41.5%	+53.3%
관악구	192.5	840.2	267.3	74.6	178.1	820.4	276.5	87.2	255.3	843.4	320.9	85.6
	+3.0%	+9.1%	+14.9%	+33.9%	-4.7%	+6.5%	+18.8%	+56.6%	+36.6%	+9.5%	+37.9%	+53.7%
광진구	189.4	889.9	264.2	73.5	174.8	850.5	268.1	86.6	246.2	865.7	314.2	84.6
	+4.1%	+9.2%	+13.4%	+33.9%	-3.9%	+4.4%	+15.1%	+57.7%	+35.3%	+6.3%	+34.8%	+54.1%
구로구	188.6	825.6	267.4	74.6	176.0	810.7	275.3	86.9	251.3	829.2	322.9	84.9
	+2.8%	+9.3%	+16.0%	+33.9%	-4.0%	+7.3%	+19.4%	+56.0%	+37.0%	+9.8%	+40.0%	+52.4%
금천구	192.6	818.6	270.8	73.9	178.4	802.4	281.6	86.3	255.7	825.2	325.9	84.6
	+3.2%	+8.8%	+15.6%	+33.6%	-4.4%	+6.7%	+20.2%	+56.1%	+37.0%	+9.7%	+39.1%	+53.0%
노원구	201.1	940.5	258.9	75.8	184.8	899.1	267.1	89.9	259.2	904.2	316.8	86.2
	+4.1%	+10.2%	+12.1%	+34.2%	-4.3%	+5.4%	+15.7%	+59.1%	+34.2%	+6.0%	+37.2%	+52.6%
도봉구	215.6	991.4	267.1	81.2	197.7	948.5	280.9	96.1	276.9	953.0	333.9	91.9
	+4.0%	+10.3%	+11.0%	+34.7%	-4.6%	+5.5%	+16.7%	+59.4%	+33.6%	+6.0%	+38.7%	+52.4%
동대문구	193.8	908.6	262.7	75.2	179.3	868.5	266.5	88.6	252.0	881.4	316.8	85.7
	+3.9%	+9.9%	+13.6%	+34.3%	-3.9%	+5.0%	+15.3%	+58.2%	+35.1%	+6.6%	+37.0%	+53.0%
동작구	184.2	839.2	262.4	71.5	171.2	816.5	268.2	83.4	244.2	837.6	314.6	82.2
	+3.2%	+9.3%	+15.4%	+34.7%	-4.1%	+6.4%	+18.0%	+57.1%	+36.8%	+9.1%	+38.4%	+54.8%
마포구	181.9	852.7	259.7	72.2	169.1	832.2	267.0	84.4	240.8	847.0	317.8	82.0
	+3.2%	+10.0%	+14.8%	+35.0%	-4.1%	+7.3%	+18.0%	+57.8%	+36.6%	+9.2%	+40.5%	+53.3%
서대문구	188.9	872.7	257.0	74.1	176.0	851.0	265.0	87.3	248.7	861.9	314.9	84.2
	+3.2%	+10.0%	+13.9%	+33.3%	-3.8%	+7.3%	+17.4%	+57.0%	+35.9%	+8.7%	+39.5%	+51.4%
서초구	189.6	855.3	266.0	74.3	174.2	823.0	273.3	86.8	248.8	845.6	313.1	85.5
	+4.2%	+9.3%	+14.5%	+34.6%	-4.3%	+5.1%	+17.6%	+57.2%	+36.7%	+8.0%	+34.7%	+54.9%
성동구	187.8	881.0	261.4	73.3	173.5	845.9	264.4	86.1	245.5	862.6	312.7	83.8
	+3.9%	+9.7%	+14.3%	+34.7%	-4.0%	+5.3%	+15.7%	+58.3%	+35.8%	+7.4%	+36.8%	+54.0%
성북구	200.7	923.8	260.8	76.2	185.6	887.1	269.1	89.8	259.9	899.6	317.8	86.7
	+3.8%	+9.9%	+13.1%	+33.7%	-4.0%	+5.6%	+16.7%	+57.5%	+34.5%	+7.1%	+37.8%	+52.1%
송파구	190.4	877.7	262.0	70.7	173.8	841.9	269.0	83.5	246.2	854.2	310.6	82.3
	+4.7%	+8.3%	+12.7%	+33.6%	-4.4%	+3.9%	+15.7%	+57.8%	+35.4%	+5.4%	+33.6%	+55.6%
양천구	183.9	826.7	260.4	73.6	172.2	812.7	269.9	85.7	245.6	823.0	319.1	83.8
	+2.8%	+9.8%	+15.1%	+34.8%	-3.7%	+8.0%	+19.3%	+57.0%	+37.3%	+9.3%	+41.1%	+53.5%
영등포구	182.8	839.0	263.2	72.1	170.7	819.8	269.3	83.7	243.7	839.8	319.5	82.3
	+2.9%	+9.6%	+16.2%	+36.0%	-3.9%	+7.1%	+18.8%	+57.9%	+37.2%	+9.7%	+41.0%	+55.3%
용산구	180.3	833.9	253.2	70.0	167.5	808.7	257.3	81.7	238.2	828.4	303.9	79.4
	+2.8%	+9.7%	+15.6%	+35.1%	-4.5%	+6.3%	+17.4%	+57.7%	+35.8%	+8.9%	+38.7%	+53.3%
은평구	184.0	870.5	248.2	70.4	171.9	850.0	260.0	83.5	241.9	855.8	309.9	80.1
	+3.2%	+10.4%	+12.8%	+33.8%	-3.6%	+7.8%	+18.1%	+58.7%	+35.7%	+8.6%	+40.8%	+52.3%
종로구	193.9	890.3	258.2	75.1	180.1	861.1	264.9	88.1	253.5	874.6	312.3	85.0
	+3.4%	+9.7%	+13.8%	+33.4%	-3.9%	+6.1%	+16.8%	+56.5%	+35.2%	+7.8%	+37.7%	+51.0%
중구	189.2	873.6	258.1	74.1	175.7	843.9	262.8	87.1	248.4	860.8	309.8	84.2
	+3.2%	+9.7%	+14.6%	+33.8%	-4.1%	+5.9%	+16.7%	+57.2%	+35.5%	+8.1%	+37.6%	+52.0%
종각구	193.6	924.5	259.8	75.4	178.8	879.0	263.6	89.0	251.0	891.9	310.3	85.8
	+3.9%	+9.8%	+13.8%	+33.2%	-4.1%	+4.4%	+15.5%	+57.2%	+34.7%	+6.0%	+36.0%	+51.6%

표 4-32. 서울특별시의 계절별 강수량(mm) 21세기 전망과 현재 기후 값 대비 변화율(%) (SSP5-8.5)

구분	전반기(2021-2040년)				중반기(2041-2060년)				후반기(2081-2100년)			
	봄	여름	가을	겨울	봄	여름	가을	겨울	봄	여름	가을	겨울
서울특별시	185.9	846.7	241.3	58.1	219.3	876.3	221.7	79.7	274.4	893.5	259.9	93.5
	+0.8%	+5.8%	+5.1%	+5.4%	+18.9%	+9.5%	-3.4%	+44.6%	+48.8%	+11.6%	+13.2%	+69.7%
강남구	183.7	838.1	243.1	56.3	216.6	868.0	223.5	78.8	275.3	893.1	255.0	91.3
	+0.8%	+4.5%	+3.8%	+4.5%	+18.9%	+8.3%	-4.6%	+46.2%	+51.1%	+11.4%	+8.9%	+69.4%
강동구	183.5	861.2	242.7	57.2	214.4	889.1	222.3	78.4	273.2	909.2	250.6	91.5
	+1.1%	+3.9%	+3.1%	+4.6%	+18.1%	+7.3%	-5.6%	+43.3%	+50.5%	+9.7%	+6.4%	+67.3%
강북구	203.2	916.1	247.9	63.2	238.3	946.2	230.0	83.9	295.6	958.1	265.5	99.9
	+1.1%	+5.5%	+4.6%	+6.8%	+18.6%	+8.9%	-2.9%	+41.7%	+47.1%	+10.3%	+12.1%	+68.8%
강서구	177.2	809.6	241.7	57.0	209.8	837.9	220.7	78.0	257.4	853.3	270.8	91.8
	+0.7%	+7.8%	+7.5%	+5.9%	+19.3%	+11.5%	-1.9%	+45.0%	+46.3%	+13.6%	+20.4%	+70.6%
관악구	187.4	820.1	244.6	58.0	222.3	846.2	225.8	81.5	277.6	868.0	264.7	95.3
	+0.3%	+6.5%	+5.1%	+4.1%	+18.9%	+9.9%	-3.0%	+46.3%	+48.5%	+12.7%	+13.8%	+71.1%
광진구	183.4	850.8	241.8	57.8	215.0	880.7	221.7	79.5	273.9	901.1	253.2	92.6
	+0.8%	+4.4%	+3.8%	+5.3%	+18.1%	+8.1%	-4.8%	+44.8%	+50.5%	+10.6%	+8.7%	+68.7%
구로구	184.6	812.0	245.1	57.8	218.9	838.8	226.4	81.1	270.9	854.3	274.7	94.6
	+0.7%	+7.5%	+6.3%	+3.8%	+19.4%	+11.1%	-1.8%	+45.6%	+47.7%	+13.1%	+19.1%	+69.8%
금천구	187.2	804.4	245.6	57.4	223.0	829.2	228.4	81.1	276.7	851.7	267.9	94.8
	+0.3%	+6.9%	+4.8%	+3.8%	+19.4%	+10.2%	-2.5%	+46.7%	+48.2%	+13.2%	+14.3%	+71.4%
노원구	195.2	896.0	241.3	60.2	228.6	928.7	221.1	80.0	285.1	933.9	253.6	95.6
	+1.1%	+5.0%	+4.5%	+6.5%	+18.4%	+8.9%	-4.2%	+41.6%	+47.6%	+9.5%	+9.8%	+69.2%
도봉구	209.4	945.3	251.5	64.9	245.6	979.7	233.7	85.2	303.5	983.5	271.1	102.6
	+1.0%	+5.2%	+4.5%	+7.6%	+18.5%	+9.0%	-2.9%	+41.3%	+46.4%	+9.4%	+12.6%	+70.1%
동대문구	188.3	865.8	242.2	59.1	221.4	899.5	221.7	80.7	279.8	913.7	253.1	94.9
	+1.0%	+4.7%	+4.8%	+5.5%	+18.7%	+8.8%	-4.1%	+44.1%	+50.0%	+10.5%	+9.5%	+69.5%
동작구	179.8	816.9	239.9	55.5	213.0	845.1	220.7	78.0	267.1	864.3	261.9	90.7
	+0.7%	+6.4%	+5.5%	+4.5%	+19.3%	+10.1%	-2.9%	+46.9%	+49.6%	+12.6%	+15.2%	+70.8%
마포구	178.1	828.7	240.9	56.5	210.8	859.1	219.1	77.8	261.1	876.3	266.6	91.0
	+1.0%	+6.9%	+6.5%	+5.6%	+19.6%	+10.8%	-3.1%	+45.4%	+48.1%	+13.0%	+17.9%	+70.1%
서대문구	185.1	847.1	239.0	58.9	218.5	876.4	218.3	79.7	271.5	895.2	264.1	93.7
	+1.1%	+6.8%	+5.9%	+5.9%	+19.4%	+10.5%	-3.3%	+43.3%	+48.4%	+12.9%	+17.0%	+68.5%
서초구	183.2	822.9	242.4	57.6	217.4	850.6	223.8	81.1	274.2	877.6	257.0	93.4
	+0.7%	+5.1%	+4.3%	+4.3%	+19.5%	+8.7%	-3.7%	+46.9%	+50.7%	+12.1%	+10.6%	+69.2%
성동구	182.6	843.2	239.9	57.1	215.5	875.6	219.3	78.7	272.2	893.0	251.9	92.4
	+1.0%	+5.0%	+4.9%	+5.0%	+19.2%	+9.0%	-4.1%	+44.7%	+50.6%	+11.2%	+10.2%	+69.9%
성북구	195.2	886.5	242.0	60.6	229.2	915.9	222.5	81.7	287.3	931.2	257.7	96.3
	+1.0%	+5.5%	+4.9%	+6.3%	+18.6%	+9.0%	-3.5%	+43.3%	+48.6%	+10.8%	+11.8%	+68.9%
송파구	183.1	841.9	239.3	55.7	214.7	868.9	220.5	77.9	273.9	893.7	248.3	90.1
	+0.7%	+3.9%	+3.0%	+5.3%	+18.1%	+7.3%	-5.1%	+47.3%	+50.7%	+10.3%	+6.8%	+70.3%
양천구	180.3	811.1	242.9	57.3	213.5	839.5	222.5	79.4	262.4	853.7	272.1	93.0
	+0.8%	+7.7%	+7.4%	+4.9%	+19.3%	+11.5%	-1.6%	+45.4%	+46.7%	+13.4%	+20.3%	+70.3%
영등포구	179.3	821.5	241.2	55.9	212.1	849.8	221.5	78.4	264.1	865.0	268.2	90.9
	+1.0%	+7.3%	+6.4%	+5.5%	+19.4%	+11.0%	-2.2%	+47.9%	+48.7%	+13.0%	+18.4%	+71.5%
용산구	176.4	805.4	231.9	54.3	209.4	837.6	212.0	75.5	261.4	855.6	251.8	88.1
	+0.6%	+5.9%	+5.8%	+4.8%	+19.4%	+10.1%	-3.2%	+45.8%	+49.0%	+12.5%	+14.9%	+70.1%
은평구	180.3	844.7	233.1	56.3	212.6	872.2	212.7	75.5	263.4	890.1	259.2	89.8
	+1.1%	+7.2%	+5.9%	+7.0%	+19.2%	+10.7%	-3.4%	+43.5%	+47.7%	+12.9%	+17.8%	+70.7%
종로구	189.4	858.1	238.7	59.3	223.3	888.3	219.1	80.5	278.8	906.0	257.8	94.7
	+1.0%	+5.8%	+5.2%	+5.3%	+19.1%	+9.5%	-3.4%	+43.0%	+48.7%	+11.7%	+13.7%	+68.2%
중구	184.7	840.0	236.7	57.9	218.6	871.9	217.0	79.7	274.2	890.5	254.0	93.7
	+0.8%	+5.4%	+5.1%	+4.5%	+19.3%	+9.5%	-3.6%	+43.9%	+49.6%	+11.8%	+12.8%	+69.1%
종랑구	188.2	879.4	237.5	59.7	220.4	913.4	217.9	80.9	279.6	924.1	247.4	94.5
	+1.0%	+4.5%	+4.1%	+5.5%	+18.2%	+8.5%	-4.5%	+42.9%	+50.0%	+9.8%	+8.4%	+67.0%

## 2. 극한기후지수

### 1) 고온 극한기후지수

#### 여름철 최고기온 관련 지수

- SSP 시나리오에 따른 서울특별시 폭염일수는 현재(2000-2019년, 15.0일) 대비 21세기 중반기에 22.6~39.7일, 21세기 후반기에 27.7~94.8일 증가하고, 일최고기온 연최대는 현재(35.9℃) 대비 21세기 중반기에 3.3~4.2℃, 21세기 후반기에 3.2~7.9℃ 증가할 것으로 전망됨.
  - SSP1-2.6 시나리오에서 서울특별시 폭염일수는 현재 대비 21세기 중/후반기에 22.6일, 27.7일 증가하고, 일최고기온 연최대는 21세기 중/후반기에 3.3℃, 3.2℃ 증가할 것으로 전망됨.
  - SSP2-4.5 시나리오에서 서울특별시 폭염일수는 현재 대비 21세기 중/후반기에 28.4일, 44.2일 증가하고, 일최고기온 연최대는 21세기 중/후반기에 3.3℃, 4.4℃ 증가할 것으로 전망됨.
  - SSP3-7.0 시나리오에서 서울특별시 폭염일수는 현재 대비 21세기 중/후반기에 37.0일, 76.8일 증가하고, 일최고기온 연최대는 21세기 중/후반기에 4.2℃, 7.1℃ 증가할 것으로 전망됨.
  - SSP5-8.5 시나리오에서 서울특별시 폭염일수는 현재 대비 21세기 중/후반기에 39.7일, 94.8일 증가하고, 일최고기온 연최대는 21세기 중/후반기에 3.9℃, 7.9℃ 증가할 것으로 전망됨.
- SSP5-8.5 시나리오에서 현재 대비 21세기 후반기 서울특별시 폭염일수 증가폭(+94.8일)은 SSP1-2.6 시나리오에서의 증가폭(+27.7일) 보다 67.1일 크게 나타나며, SSP5-8.5 시나리오에서 21세기 후반기 일최고기온 연최대 증가폭(+7.9℃)은 SSP1-2.6 시나리오에서의 증가폭(+3.2℃) 보다 4.7℃ 크게 나타남.
  - SSP5-8.5에서 21세기 후반기 서울특별시 내 폭염일수 증가폭이 가장 큰 지역은 송파구(+96.8일)이며 가장 작은 지역은 종로구(+91.4일)로 나타남.
  - SSP5-8.5에서 21세기 후반기 서울특별시 내 일최고기온 연최대 증가폭이 가장 큰 지역은 강동구/노원구/중랑구(+8.1℃)이며 가장 작은 지역은 구로구/양천구(+7.5℃)로 나타남.

#### 여름철 최저기온 관련 지수

- SSP 시나리오에 따른 서울특별시 열대야일수는 현재(2000-2019년, 11.3일) 대비 21세기 중반기에 28.6~39.8일, 21세기 후반기에 30.4~84.8일 증가하고, 일최저기온 연최대는 현재(26.8℃) 대비 21세기 중반기에 3.1~3.9℃, 21세기 후반기에 3.0~7.3℃ 증가할 것으로 전망됨.
  - SSP1-2.6 시나리오에서 서울특별시 열대야일수는 현재 대비 21세기 중/후반기에 28.6일, 30.4일 증가하고, 일최저기온 연최대는 21세기 중/후반기에 3.1℃, 3.0℃ 증가할 것으로 전망됨.
  - SSP2-4.5 시나리오에서 서울특별시 열대야일수는 현재 대비 21세기 중/후반기에 33.1일, 49.1일 증가하고, 일최저기온 연최대는 21세기 중/후반기에 3.3℃, 4.3℃ 증가할 것으로 전망됨.
  - SSP3-7.0 시나리오에서 서울특별시 열대야일수는 현재 대비 21세기 중/후반기에 38.3일, 72.6일 증가하고, 일최저기온 연최대는 21세기 중/후반기에 3.8℃, 6.5℃ 증가할 것으로 전망됨.
  - SSP5-8.5 시나리오에서 서울특별시 열대야일수는 현재 대비 21세기 중/후반기에 39.8일, 84.8일 증가하고,

일최저기온 연최대는 21세기 중/후반기에 3.9°C, 7.3°C 증가할 것으로 전망됨.

- SSP5-8.5 시나리오에서 현재 대비 21세기 후반기 서울특별시 열대야일수 증가폭(+84.8일)은 SSP1-2.6 시나리오에서의 증가폭(+30.4일) 보다 54.4일 크게 나타나며, SSP5-8.5 시나리오에서 21세기 후반기 일최저기온 연최대 증가폭(+7.3°C)은 SSP1-2.6 시나리오에서의 증가폭(+3.0°C) 보다 4.3°C 크게 나타남.
- SSP5-8.5에서 21세기 후반기 서울특별시 내 열대야일수 증가폭이 가장 큰 지역은 영등포구(+89.0일)이며 가장 작은 지역은 도봉구(+79.6일)로 나타남.
- SSP5-8.5에서 21세기 후반기 서울특별시 내 일최저기온 연최대 증가폭이 가장 큰 지역은 노원구(+7.5°C)이며 가장 작은 지역은 강남구/송파구(+7.2°C)로 나타남.

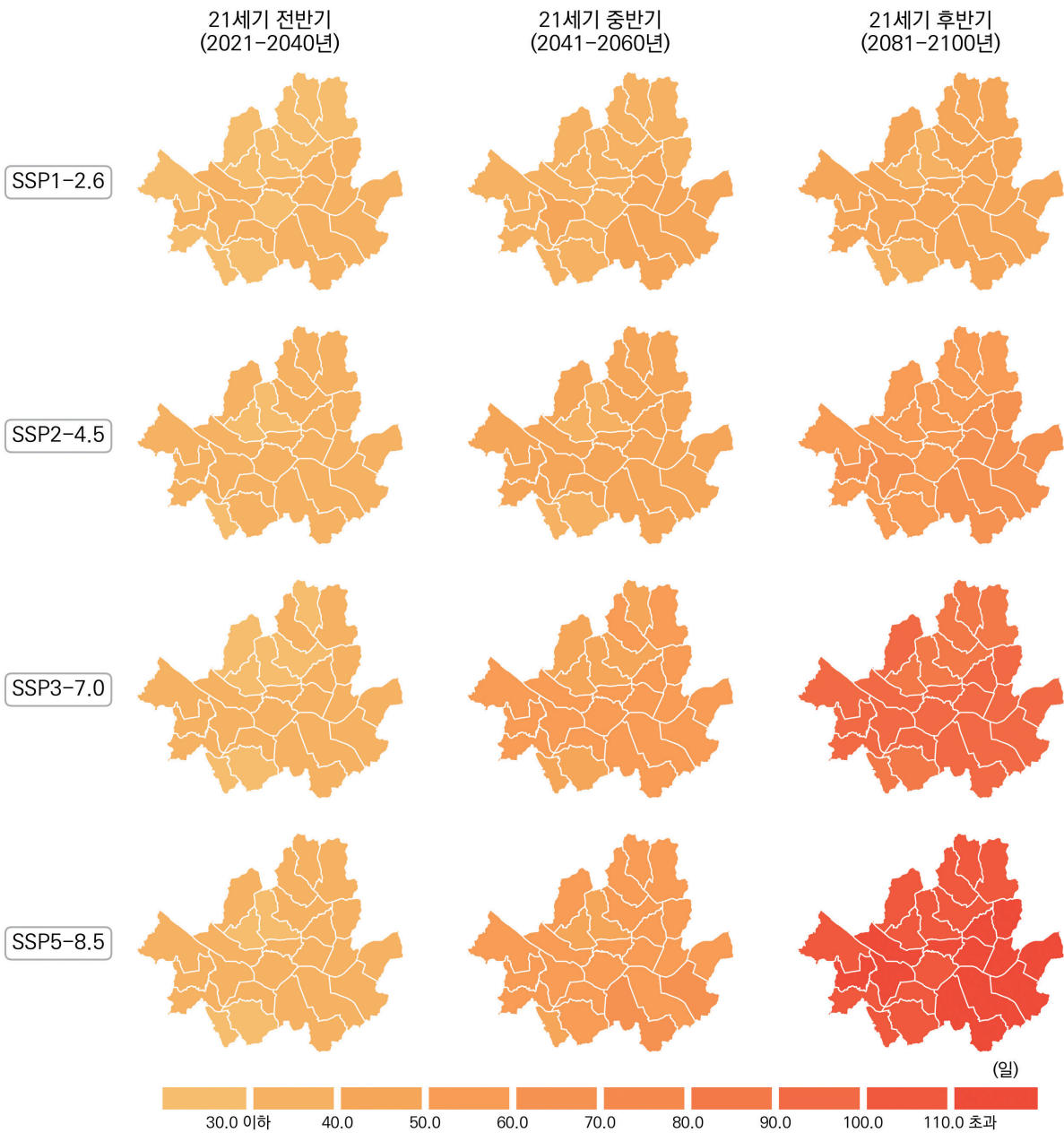


그림 4-18. 서울특별시의 폭염일수(일) 전망 분포도



표 4-33. 서울특별시의 폭염일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	15.0	28.8	32.9	38.6	36.7	40.0	41.1	43.9	41.5	30.8	37.6	42.7
		+13.8	+17.9	+23.6	+21.7	+25.0	+26.1	+28.9	+26.5	+15.8	+22.6	+27.7
강남구	17.9	32.7	36.4	42.6	40.6	44.4	45.5	48.5	45.8	34.6	41.6	47.2
		+14.8	+18.5	+24.7	+22.7	+26.5	+27.6	+30.6	+27.9	+16.7	+23.7	+29.3
강동구	18.3	32.6	36.6	42.9	40.3	44.4	45.8	49.0	46.2	34.6	41.6	47.6
		+14.3	+18.3	+24.6	+22.0	+26.1	+27.5	+30.7	+27.9	+16.3	+23.3	+29.3
강북구	14.9	28.2	31.9	37.5	35.5	38.6	39.8	42.6	40.3	30.0	36.5	41.4
		+13.3	+17.0	+22.6	+20.6	+23.7	+24.9	+27.7	+25.4	+15.1	+21.6	+26.5
강서구	14.4	27.6	32.4	37.8	36.1	40.0	40.4	43.3	41.2	30.0	36.9	42.3
		+13.2	+18.0	+23.4	+21.7	+25.6	+26.0	+28.9	+26.8	+15.6	+22.5	+27.9
관악구	11.9	25.0	29.3	34.6	33.0	35.7	37.0	39.7	37.1	27.1	33.8	38.4
		+13.1	+17.4	+22.7	+21.1	+23.8	+25.1	+27.8	+25.2	+15.2	+21.9	+26.5
광진구	17.7	32.2	36.0	42.3	39.8	43.7	44.9	47.7	45.3	34.1	41.0	46.5
		+14.5	+18.3	+24.6	+22.1	+26.0	+27.2	+30.0	+27.6	+16.4	+23.3	+28.8
구로구	14.8	27.4	31.9	37.7	36.1	39.7	40.3	43.1	40.9	29.7	36.9	42.0
		+12.6	+17.1	+22.9	+21.3	+24.9	+25.5	+28.3	+26.1	+14.9	+22.1	+27.2
금천구	11.5	23.2	28.1	33.2	31.5	33.9	35.1	38.0	35.6	25.6	32.4	36.8
		+11.7	+16.6	+21.7	+20.0	+22.4	+23.6	+26.5	+24.1	+14.1	+20.9	+25.3
노원구	14.2	27.6	31.4	37.3	35.1	37.9	39.4	42.4	39.6	29.5	36.2	41.0
		+13.4	+17.2	+23.1	+20.9	+23.7	+25.2	+28.2	+25.4	+15.3	+22.0	+26.8
도봉구	14.5	27.0	30.8	36.5	34.4	37.2	38.7	41.4	38.8	28.9	35.4	40.1
		+12.5	+16.3	+22.0	+19.9	+22.7	+24.2	+26.9	+24.3	+14.4	+20.9	+25.6
동대문구	17.5	32.0	35.6	42.0	39.7	43.5	44.6	47.5	45.3	33.8	40.9	46.4
		+14.5	+18.1	+24.5	+22.2	+26.0	+27.1	+30.0	+27.8	+16.3	+23.4	+28.9
동작구	14.4	28.5	32.6	38.1	36.5	39.7	40.6	43.4	40.9	30.5	37.3	42.1
		+14.1	+18.2	+23.7	+22.1	+25.3	+26.2	+29.0	+26.5	+16.1	+22.9	+27.7
마포구	14.5	29.1	33.0	38.5	36.7	40.4	41.3	44.2	41.8	31.0	37.6	43.0
		+14.6	+18.5	+24.0	+22.2	+25.9	+26.8	+29.7	+27.3	+16.5	+23.1	+28.5
서대문구	10.6	23.5	27.8	32.4	30.8	33.1	34.6	36.8	34.5	25.6	31.6	35.7
		+12.9	+17.2	+21.8	+20.2	+22.5	+24.0	+26.2	+23.9	+15.0	+21.0	+25.1
서초구	18.8	33.9	37.8	43.7	41.9	46.4	46.9	49.9	47.5	35.9	42.8	48.7
		+15.1	+19.0	+24.9	+23.1	+27.6	+28.1	+31.1	+28.7	+17.1	+24.0	+29.9
성동구	17.0	31.6	35.4	41.5	39.5	43.1	44.2	47.1	44.8	33.5	40.5	45.9
		+14.6	+18.4	+24.5	+22.5	+26.1	+27.2	+30.1	+27.8	+16.5	+23.5	+28.9
성북구	13.9	27.2	30.9	36.6	34.6	37.4	38.7	41.4	39.1	29.1	35.6	40.3
		+13.3	+17.0	+22.7	+20.7	+23.5	+24.8	+27.5	+25.2	+15.2	+21.7	+26.4
송파구	18.7	33.7	37.8	44.1	41.7	45.9	46.8	50.0	47.2	35.7	42.9	48.6
		+15.0	+19.1	+25.4	+23.0	+27.2	+28.1	+31.3	+28.5	+17.0	+24.2	+29.9
양천구	15.2	28.9	33.4	39.0	37.3	41.4	41.8	44.8	42.5	31.1	38.2	43.7
		+13.7	+18.2	+23.8	+22.1	+26.2	+26.6	+29.6	+27.3	+15.9	+23.0	+28.5
영등포구	16.3	31.2	35.3	41.2	39.4	43.7	44.2	47.1	44.9	33.3	40.3	46.0
		+14.9	+19.0	+24.9	+23.1	+27.4	+27.9	+30.8	+28.6	+17.0	+24.0	+29.7
용산구	13.8	27.7	31.6	37.0	35.3	38.3	39.5	42.2	39.9	29.6	36.2	41.0
		+13.9	+17.8	+23.2	+21.5	+24.5	+25.7	+28.4	+26.1	+15.8	+22.4	+27.2
은평구	13.3	27.3	31.6	36.7	35.0	38.3	39.3	41.9	39.8	29.4	35.8	40.8
		+14.0	+18.3	+23.4	+21.7	+25.0	+26.0	+28.6	+26.5	+16.1	+22.5	+27.5
종로구	11.1	23.8	27.8	32.7	31.1	33.2	34.7	37.0	34.8	25.8	31.9	35.9
		+12.7	+16.7	+21.6	+20.0	+22.1	+23.6	+25.9	+23.7	+14.7	+20.8	+24.8
중구	14.4	28.8	32.6	38.5	36.8	39.8	41.0	43.9	41.6	30.7	37.6	42.7
		+14.4	+18.2	+24.1	+22.4	+25.4	+26.6	+29.5	+27.2	+16.3	+23.2	+28.3
종랑구	16.3	30.2	33.9	40.3	37.8	41.2	42.4	45.5	42.9	32.1	39.1	44.2
		+13.9	+17.6	+24.0	+21.5	+24.9	+26.1	+29.2	+26.6	+15.8	+22.8	+27.9

표 4-34. 서울특별시의 폭염일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	15.0	31.4	36.4	40.0	46.8	56.3	53.1	55.0	63.3	33.9	43.4	59.2
		+16.4	+21.4	+25.0	+31.8	+41.3	+38.1	+40.0	+48.3	+18.9	+28.4	+44.2
강남구	17.9	34.8	40.3	44.3	51.2	60.7	57.2	59.5	68.0	37.6	47.8	63.7
		+16.9	+22.4	+26.4	+33.3	+42.8	+39.3	+41.6	+50.1	+19.7	+29.9	+45.8
강동구	18.3	35.4	40.5	44.6	51.3	61.4	57.3	59.6	67.8	37.9	47.9	63.7
		+17.1	+22.2	+26.3	+33.0	+43.1	+39.0	+41.3	+49.5	+19.6	+29.6	+45.4
강북구	14.9	30.8	35.5	38.9	45.4	55.0	51.6	53.2	61.3	33.1	42.1	57.3
		+15.9	+20.6	+24.0	+30.5	+40.1	+36.7	+38.3	+46.4	+18.2	+27.2	+42.4
강서구	14.4	30.5	35.9	39.4	46.2	55.1	52.9	54.9	63.2	33.2	42.8	59.0
		+16.1	+21.5	+25.0	+31.8	+40.7	+38.5	+40.5	+48.8	+18.8	+28.4	+44.6
관악구	11.9	27.6	32.5	35.4	42.1	52.0	49.1	50.6	59.4	30.1	38.8	55.0
		+15.7	+20.6	+23.5	+30.2	+40.1	+37.2	+38.7	+47.5	+18.2	+26.9	+43.1
광진구	17.7	34.4	39.9	43.7	50.4	60.2	56.7	58.9	67.0	37.2	47.1	62.9
		+16.7	+22.2	+26.0	+32.7	+42.5	+39.0	+41.2	+49.3	+19.5	+29.4	+45.2
구로구	14.8	29.9	35.5	39.1	45.7	55.2	52.6	54.6	63.4	32.7	42.4	59.0
		+15.1	+20.7	+24.3	+30.9	+40.4	+37.8	+39.8	+48.6	+17.9	+27.6	+44.2
금천구	11.5	25.7	30.8	33.8	40.2	49.9	47.7	49.0	57.6	28.3	37.0	53.3
		+14.2	+19.3	+22.3	+28.7	+38.4	+36.2	+37.5	+46.1	+16.8	+25.5	+41.8
노원구	14.2	30.4	34.7	38.2	44.9	55.0	51.4	53.1	61.1	32.5	41.6	57.1
		+16.2	+20.5	+24.0	+30.7	+40.8	+37.2	+38.9	+46.9	+18.3	+27.4	+42.9
도봉구	14.5	29.7	34.1	37.5	44.1	54.0	50.6	52.1	60.0	31.9	40.8	56.0
		+15.2	+19.6	+23.0	+29.6	+39.5	+36.1	+37.6	+45.5	+17.4	+26.3	+41.5
동대문구	17.5	34.4	39.7	43.5	50.4	60.1	56.5	58.7	67.0	37.1	47.0	62.8
		+16.9	+22.2	+26.0	+32.9	+42.6	+39.0	+41.2	+49.5	+19.6	+29.5	+45.3
동작구	14.4	31.1	36.2	39.6	46.5	55.6	52.8	54.7	63.2	33.6	43.0	59.0
		+16.7	+21.8	+25.2	+32.1	+41.2	+38.4	+40.3	+48.8	+19.2	+28.6	+44.6
마포구	14.5	31.7	36.7	40.2	47.4	56.3	53.5	55.5	63.9	34.2	43.8	59.7
		+17.2	+22.2	+25.7	+32.9	+41.8	+39.0	+41.0	+49.4	+19.7	+29.3	+45.2
서대문구	10.6	26.0	30.4	33.4	40.0	49.2	46.5	47.6	55.8	28.2	36.7	51.7
		+15.4	+19.8	+22.8	+29.4	+38.6	+35.9	+37.0	+45.2	+17.6	+26.1	+41.1
서초구	18.8	36.0	41.6	46.1	53.0	62.3	58.5	61.4	69.7	38.8	49.5	65.6
		+17.2	+22.8	+27.3	+34.2	+43.5	+39.7	+42.6	+50.9	+20.0	+30.7	+46.8
성동구	17.0	34.0	39.3	43.0	50.0	59.5	56.1	58.2	66.5	36.7	46.5	62.3
		+17.0	+22.3	+26.0	+33.0	+42.5	+39.1	+41.2	+49.5	+19.7	+29.5	+45.3
성북구	13.9	29.8	34.5	37.6	44.2	53.9	50.6	52.0	60.3	32.1	40.9	56.2
		+15.9	+20.6	+23.7	+30.3	+40.0	+36.7	+38.1	+46.4	+18.2	+27.0	+42.3
송파구	18.7	36.0	41.5	45.8	52.5	62.3	58.6	61.0	69.2	38.8	49.1	65.1
		+17.3	+22.8	+27.1	+33.8	+43.6	+39.9	+42.3	+50.5	+20.1	+30.4	+46.4
양천구	15.2	31.4	37.1	40.7	47.6	56.5	54.3	56.5	64.8	34.2	44.1	60.6
		+16.2	+21.9	+25.5	+32.4	+41.3	+39.1	+41.3	+49.6	+19.0	+28.9	+45.4
영등포구	16.3	33.7	39.2	43.1	50.4	58.9	56.3	58.8	67.1	36.4	46.7	63.0
		+17.4	+22.9	+26.8	+34.1	+42.6	+40.0	+42.5	+50.8	+20.1	+30.4	+46.7
용산구	13.8	30.3	35.1	38.3	45.2	54.5	51.6	53.1	61.7	32.7	41.7	57.4
		+16.5	+21.3	+24.5	+31.4	+40.7	+37.8	+39.3	+47.9	+18.9	+27.9	+43.6
은평구	13.3	30.1	34.8	38.1	45.2	54.3	51.3	53.3	61.2	32.5	41.6	57.2
		+16.8	+21.5	+24.8	+31.9	+41.0	+38.0	+40.0	+47.9	+19.2	+28.3	+43.9
종로구	11.1	26.4	30.7	33.6	40.0	49.4	46.4	47.5	55.6	28.6	36.8	51.5
		+15.3	+19.6	+22.5	+28.9	+38.3	+35.3	+36.4	+44.5	+17.5	+25.7	+40.4
중구	14.4	31.7	36.6	39.9	46.7	56.4	53.2	54.8	63.4	34.2	43.3	59.1
		+17.3	+22.2	+25.5	+32.3	+42.0	+38.8	+40.4	+49.0	+19.8	+28.9	+44.7
종량구	16.3	32.9	37.6	41.4	48.1	58.3	54.5	56.4	64.6	35.2	44.7	60.5
		+16.6	+21.3	+25.1	+31.8	+42.0	+38.2	+40.1	+48.3	+18.9	+28.4	+44.2

표 4-35. 서울특별시의 폭염일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	15.0	29.2	34.0	47.5	56.6	64.1	70.2	88.1	95.5	31.6	52.0	91.8
		+14.2	+19.0	+32.5	+41.6	+49.1	+55.2	+73.1	+80.5	+16.6	+37.0	+76.8
강남구	17.9	33.4	37.8	52.3	61.5	68.6	74.5	92.1	99.5	35.6	56.9	95.8
		+15.5	+19.9	+34.4	+43.6	+50.7	+56.6	+74.2	+81.6	+17.7	+39.0	+77.9
강동구	18.3	33.7	38.2	52.7	62.1	68.8	74.8	91.8	99.6	35.9	57.4	95.7
		+15.4	+19.9	+34.4	+43.8	+50.5	+56.5	+73.5	+81.3	+17.6	+39.1	+77.4
강북구	14.9	28.8	33.1	46.5	55.4	62.4	68.5	86.0	93.4	31.0	50.9	89.7
		+13.9	+18.2	+31.6	+40.5	+47.5	+53.6	+71.1	+78.5	+16.1	+36.0	+74.8
강서구	14.4	28.0	33.2	46.2	54.9	63.6	70.0	88.4	95.3	30.6	50.5	91.8
		+13.6	+18.8	+31.8	+40.5	+49.2	+55.6	+74.0	+80.9	+16.2	+36.1	+77.4
관악구	11.9	24.8	29.8	42.6	51.9	59.8	66.4	84.8	92.1	27.3	47.3	88.4
		+12.9	+17.9	+30.7	+40.0	+47.9	+54.5	+72.9	+80.2	+15.4	+35.4	+76.5
광진구	17.7	32.8	37.4	51.9	61.0	67.8	73.8	91.1	99.0	35.1	56.4	95.0
		+15.1	+19.7	+34.2	+43.3	+50.1	+56.1	+73.4	+81.3	+17.4	+38.7	+77.3
구로구	14.8	27.5	32.9	45.9	54.6	63.3	69.8	88.2	95.1	30.2	50.2	91.6
		+12.7	+18.1	+31.1	+39.8	+48.5	+55.0	+73.4	+80.3	+15.4	+35.4	+76.8
금천구	11.5	22.8	28.0	40.6	49.6	57.5	64.5	82.9	90.2	25.4	45.1	86.6
		+11.3	+16.5	+29.1	+38.1	+46.0	+53.0	+71.4	+78.7	+13.9	+33.6	+75.1
노원구	14.2	28.1	32.5	46.4	55.5	62.2	68.4	86.0	93.8	30.3	50.9	89.9
		+13.9	+18.3	+32.2	+41.3	+48.0	+54.2	+71.8	+79.6	+16.1	+36.7	+75.7
도봉구	14.5	27.5	31.9	45.4	54.4	61.2	67.4	85.2	92.8	29.7	49.9	89.0
		+13.0	+17.4	+30.9	+39.9	+46.7	+52.9	+70.7	+78.3	+15.2	+35.4	+74.5
동대문구	17.5	32.8	37.5	51.8	60.6	67.8	73.8	91.3	98.9	35.1	56.2	95.1
		+15.3	+20.0	+34.3	+43.1	+50.3	+56.3	+73.8	+81.4	+17.6	+38.7	+77.6
동작구	14.4	28.7	33.5	46.7	55.8	63.9	69.8	88.1	95.2	31.1	51.2	91.6
		+14.3	+19.1	+32.3	+41.4	+49.5	+55.4	+73.7	+80.8	+16.7	+36.8	+77.2
마포구	14.5	29.1	34.2	47.4	56.5	64.8	70.8	89.3	96.3	31.6	52.0	92.8
		+14.6	+19.7	+32.9	+42.0	+50.3	+56.3	+74.8	+81.8	+17.1	+37.5	+78.3
서대문구	10.6	23.4	28.0	40.4	49.7	56.7	63.3	81.4	89.2	25.7	45.0	85.3
		+12.8	+17.4	+29.8	+39.1	+46.1	+52.7	+70.8	+78.6	+15.1	+34.4	+74.7
서초구	18.8	34.8	39.2	53.8	62.8	70.4	75.9	93.6	100.8	37.0	58.3	97.2
		+16.0	+20.4	+35.0	+44.0	+51.6	+57.1	+74.8	+82.0	+18.2	+39.5	+78.4
성동구	17.0	32.3	37.0	51.1	60.1	67.4	73.4	90.8	98.3	34.6	55.6	94.6
		+15.3	+20.0	+34.1	+43.1	+50.4	+56.4	+73.8	+81.3	+17.6	+38.6	+77.6
성북구	13.9	27.7	32.0	45.2	54.4	61.3	67.2	84.9	92.5	29.8	49.8	88.7
		+13.8	+18.1	+31.3	+40.5	+47.4	+53.3	+71.0	+78.6	+15.9	+35.9	+74.8
송파구	18.7	34.8	39.0	53.9	63.4	70.1	76.1	93.1	100.7	36.9	58.6	96.9
		+16.1	+20.3	+35.2	+44.7	+51.4	+57.4	+74.4	+82.0	+18.2	+39.9	+78.2
양천구	15.2	29.2	34.4	47.6	56.3	65.3	71.3	89.8	96.5	31.8	52.0	93.2
		+14.0	+19.2	+32.4	+41.1	+50.1	+56.1	+74.6	+81.3	+16.6	+36.8	+78.0
영등포구	16.3	31.6	36.7	50.4	59.1	67.9	73.6	92.0	98.7	34.1	54.8	95.3
		+15.3	+20.4	+34.1	+42.8	+51.6	+57.3	+75.7	+82.4	+17.8	+38.5	+79.0
용산구	13.8	27.8	32.5	45.8	54.9	62.8	68.7	86.6	94.1	30.2	50.3	90.4
		+14.0	+18.7	+32.0	+41.1	+49.0	+54.9	+72.8	+80.3	+16.4	+36.5	+76.6
은평구	13.3	27.6	32.4	45.4	54.4	62.5	68.8	86.9	94.2	30.0	49.9	90.5
		+14.3	+19.1	+32.1	+41.1	+49.2	+55.5	+73.6	+80.9	+16.7	+36.6	+77.2
종로구	11.1	23.9	28.3	40.7	50.1	56.7	63.0	80.8	88.7	26.1	45.4	84.8
		+12.8	+17.2	+29.6	+39.0	+45.6	+51.9	+69.7	+77.6	+15.0	+34.3	+73.7
중구	14.4	29.4	34.1	47.6	56.6	64.6	70.2	88.3	95.8	31.7	52.1	92.0
		+15.0	+19.7	+33.2	+42.2	+50.2	+55.8	+73.9	+81.4	+17.3	+37.7	+77.6
종랑구	16.3	30.8	35.3	49.7	58.8	65.5	71.7	89.1	97.0	33.0	54.2	93.0
		+14.5	+19.0	+33.4	+42.5	+49.2	+55.4	+72.8	+80.7	+16.7	+37.9	+76.7

표 4-36. 서울특별시의 폭염일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	15.0	31.1	35.6	54.4	55.0	75.9	87.5	103.9	115.7	33.4	54.7	109.8
		+16.1	+20.6	+39.4	+40.0	+60.9	+72.5	+88.9	+100.7	+18.4	+39.7	+94.8
강남구	17.9	34.6	39.3	58.6	59.5	79.8	91.6	107.9	119.7	37.0	59.1	113.8
		+16.7	+21.4	+40.7	+41.6	+61.9	+73.7	+90.0	+101.8	+19.1	+41.2	+95.9
강동구	18.3	34.6	39.5	58.5	59.7	80.4	91.8	108.4	120.4	37.1	59.1	114.4
		+16.3	+21.2	+40.2	+41.4	+62.1	+73.5	+90.1	+102.1	+18.8	+40.8	+96.1
강북구	14.9	30.4	34.9	52.8	53.2	74.2	85.6	101.6	113.8	32.6	53.0	107.7
		+15.5	+20.0	+37.9	+38.3	+59.3	+70.7	+86.7	+98.9	+17.7	+38.1	+92.8
강서구	14.4	30.5	35.1	54.3	54.8	75.7	87.6	103.6	115.2	32.8	54.6	109.4
		+16.1	+20.7	+39.9	+40.4	+61.3	+73.2	+89.2	+100.8	+18.4	+40.2	+95.0
관악구	11.9	27.5	31.4	50.0	50.8	71.9	84.0	100.8	112.3	29.5	50.4	106.5
		+15.6	+19.5	+38.1	+38.9	+60.0	+72.1	+88.9	+100.4	+17.6	+38.5	+94.6
광진구	17.7	34.1	38.9	57.9	58.8	79.4	90.8	107.3	119.4	36.5	58.3	113.3
		+16.4	+21.2	+40.2	+41.1	+61.7	+73.1	+89.6	+101.7	+18.8	+40.6	+95.6
구로구	14.8	30.0	34.5	53.9	54.7	75.2	87.5	103.5	114.4	32.3	54.3	109.0
		+15.2	+19.7	+39.1	+39.9	+60.4	+72.7	+88.7	+99.6	+17.5	+39.5	+94.2
금천구	11.5	26.0	29.7	48.4	49.1	69.8	82.5	99.0	110.1	27.8	48.7	104.6
		+14.5	+18.2	+36.9	+37.6	+58.3	+71.0	+87.5	+98.6	+16.3	+37.2	+93.1
노원구	14.2	29.8	34.3	52.5	52.7	74.5	85.9	102.1	114.5	32.0	52.6	108.3
		+15.6	+20.1	+38.3	+38.5	+60.3	+71.7	+87.9	+100.3	+17.8	+38.4	+94.1
도봉구	14.5	29.3	33.6	51.7	51.7	73.6	84.9	101.1	113.4	31.4	51.7	107.2
		+14.8	+19.1	+37.2	+37.2	+59.1	+70.4	+86.6	+98.9	+16.9	+37.2	+92.7
동대문구	17.5	34.0	39.0	57.8	58.6	79.4	90.9	107.2	119.5	36.5	58.2	113.3
		+16.5	+21.5	+40.3	+41.1	+61.9	+73.4	+89.7	+102.0	+19.0	+40.7	+95.8
동작구	14.4	30.8	35.2	54.2	54.8	75.4	87.1	103.5	114.9	33.0	54.5	109.2
		+16.4	+20.8	+39.8	+40.4	+61.0	+72.7	+89.1	+100.5	+18.6	+40.1	+94.8
마포구	14.5	31.3	36.0	54.9	55.6	76.5	88.2	104.7	116.3	33.6	55.3	110.5
		+16.8	+21.5	+40.4	+41.1	+62.0	+73.7	+90.2	+101.8	+19.1	+40.8	+96.0
서대문구	10.6	26.0	29.7	47.5	47.6	69.0	80.7	97.2	109.1	27.8	47.6	103.2
		+15.4	+19.1	+36.9	+37.0	+58.4	+70.1	+86.6	+98.5	+17.2	+37.0	+92.6
서초구	18.8	36.4	40.9	60.2	61.2	81.5	93.1	109.3	120.8	38.7	60.7	115.0
		+17.6	+22.1	+41.4	+42.4	+62.7	+74.3	+90.5	+102.0	+19.9	+41.9	+96.2
성동구	17.0	33.7	38.6	57.3	58.3	78.8	90.4	106.7	118.7	36.1	57.8	112.7
		+16.7	+21.6	+40.3	+41.3	+61.8	+73.4	+89.7	+101.7	+19.1	+40.8	+95.7
성북구	13.9	29.3	33.8	51.8	52.0	73.0	84.3	100.5	112.5	31.6	51.9	106.5
		+15.4	+19.9	+37.9	+38.1	+59.1	+70.4	+86.6	+98.6	+17.7	+38.0	+92.6
송파구	18.7	35.8	40.7	59.8	61.1	81.5	93.0	109.6	121.4	38.2	60.4	115.5
		+17.1	+22.0	+41.1	+42.4	+62.8	+74.3	+90.9	+102.7	+19.5	+41.7	+96.8
양천구	15.2	31.4	36.4	55.7	56.3	76.9	89.0	104.9	116.2	33.9	56.0	110.6
		+16.2	+21.2	+40.5	+41.1	+61.7	+73.8	+89.7	+101.0	+18.7	+40.8	+95.4
영등포구	16.3	33.6	38.7	58.1	58.8	79.2	91.0	107.0	118.3	36.1	58.4	112.6
		+17.3	+22.4	+41.8	+42.5	+62.9	+74.7	+90.7	+102.0	+19.8	+42.1	+96.3
용산구	13.8	29.8	34.2	52.8	53.4	74.2	85.8	102.3	114.0	32.0	53.1	108.1
		+16.0	+20.4	+39.0	+39.6	+60.4	+72.0	+88.5	+100.2	+18.2	+39.3	+94.3
은평구	13.3	29.8	34.2	52.8	53.0	74.6	86.1	102.3	114.3	32.0	52.9	108.3
		+16.5	+20.9	+39.5	+39.7	+61.3	+72.8	+89.0	+101.0	+18.7	+39.6	+95.0
종로구	11.1	26.1	30.0	47.4	47.6	68.7	80.1	96.5	108.5	28.1	47.5	102.5
		+15.0	+18.9	+36.3	+36.5	+57.6	+69.0	+85.4	+97.4	+17.0	+36.4	+91.4
중구	14.4	31.0	35.9	54.4	54.9	76.1	87.4	104.0	116.2	33.5	54.7	110.1
		+16.6	+21.5	+40.0	+40.5	+61.7	+73.0	+89.6	+101.8	+19.1	+40.3	+95.7
종량구	16.3	32.2	37.0	55.6	56.2	77.6	88.9	105.4	117.7	34.6	55.9	111.5
		+15.9	+20.7	+39.3	+39.9	+61.3	+72.6	+89.1	+101.4	+18.3	+39.6	+95.2

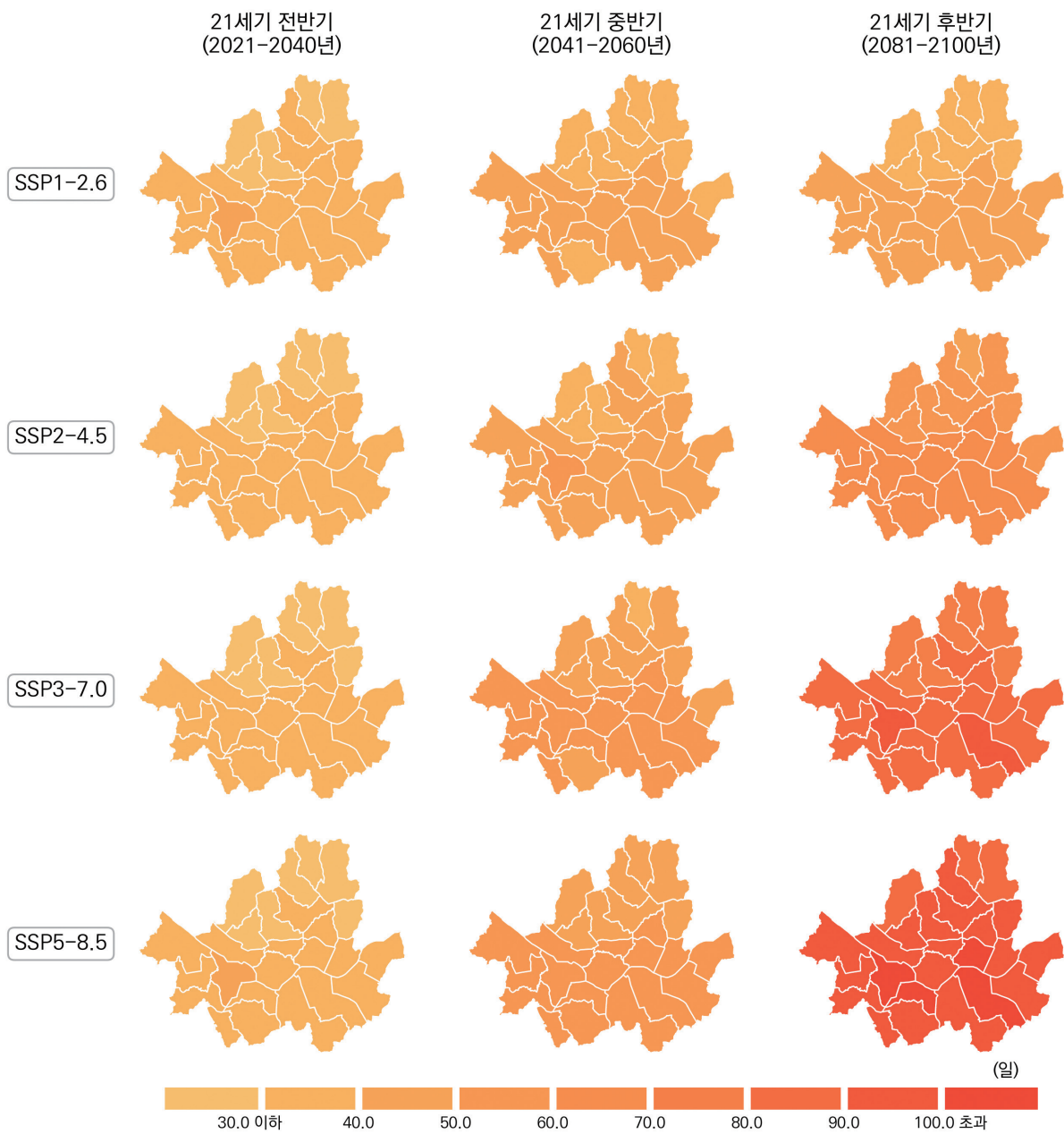


그림 4-19. 서울특별시의 열대야일수(일) 전망 분포도

표 4-37. 서울특별시의 열대야일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	11.3	31.3 +20.0	36.5 +25.2	41.0 +29.7	38.9 +27.6	41.1 +29.8	41.6 +30.3	45.7 +34.4	37.8 +26.5	33.9 +22.6	39.9 +28.6	41.7 +30.4
강남구	14.7	35.9 +21.2	40.9 +26.2	45.3 +30.6	43.4 +28.7	45.8 +31.1	47.5 +32.8	50.6 +35.9	43.1 +28.4	38.4 +23.7	44.4 +29.7	46.8 +32.1
강동구	10.5	31.7 +21.2	36.3 +25.8	40.9 +30.4	38.5 +28.0	40.4 +29.9	41.3 +30.8	45.2 +34.7	37.2 +26.7	34.0 +23.5	39.7 +29.2	41.2 +30.7
강북구	8.9	28.0 +19.1	33.2 +24.3	37.7 +28.8	35.4 +26.5	37.3 +28.4	37.2 +28.3	42.1 +33.2	33.8 +24.9	30.6 +21.7	36.6 +27.7	37.9 +29.0
강서구	12.5	32.1 +19.6	37.5 +25.0	42.2 +29.7	40.1 +27.6	42.6 +30.1	43.5 +31.0	47.0 +34.5	39.1 +26.6	34.8 +22.3	41.1 +28.6	43.1 +30.6
관악구	11.4	30.8 +19.4	36.5 +25.1	41.0 +29.6	38.8 +27.4	41.4 +30.0	42.0 +30.6	45.9 +34.5	37.9 +26.5	33.7 +22.3	39.9 +28.5	41.9 +30.5
광진구	13.6	34.7 +21.1	39.7 +26.1	44.1 +30.5	42.3 +28.7	44.4 +30.8	45.9 +32.3	49.3 +35.7	41.6 +28.0	37.2 +23.6	43.2 +29.6	45.4 +31.8
구로구	12.8	32.4 +19.6	37.9 +25.1	42.4 +29.6	40.4 +27.6	43.1 +30.3	43.8 +31.0	47.3 +34.5	39.6 +26.8	35.1 +22.3	41.4 +28.6	43.5 +30.7
금천구	13.1	32.8 +19.7	38.7 +25.6	43.2 +30.1	41.0 +27.9	43.9 +30.8	44.5 +31.4	48.3 +35.2	40.5 +27.4	35.7 +22.6	42.1 +29.0	44.4 +31.3
노원구	5.9	24.5 +18.6	29.8 +23.9	34.4 +28.5	31.8 +25.9	33.3 +27.4	32.0 +26.1	38.1 +32.2	29.6 +23.7	27.2 +21.3	33.1 +27.2	33.8 +27.9
도봉구	5.2	23.1 +17.9	28.3 +23.1	33.1 +27.9	30.4 +25.2	31.8 +26.6	30.2 +25.0	36.4 +31.2	28.2 +23.0	25.7 +20.5	31.7 +26.5	32.3 +27.1
동대문구	12.2	33.0 +20.8	38.0 +25.8	42.4 +30.2	40.4 +28.2	42.5 +30.3	43.7 +31.5	47.4 +35.2	39.3 +27.1	35.5 +23.3	41.4 +29.2	43.3 +31.1
동작구	12.4	33.4 +21.0	38.8 +26.4	43.3 +30.9	41.2 +28.8	43.8 +31.4	44.6 +32.2	48.4 +36.0	40.6 +28.2	36.1 +23.7	42.2 +29.8	44.5 +32.1
마포구	12.2	32.6 +20.4	37.9 +25.7	42.4 +30.2	40.4 +28.2	42.7 +30.5	43.7 +31.5	47.5 +35.3	39.4 +27.2	35.2 +23.0	41.4 +29.2	43.4 +31.2
서대문구	7.5	25.7 +18.2	31.1 +23.6	35.9 +28.4	33.3 +25.8	35.7 +28.2	34.4 +26.9	39.8 +32.3	31.7 +24.2	28.4 +20.9	34.6 +27.1	35.7 +28.2
서초구	13.5	34.0 +20.5	39.2 +25.7	43.4 +29.9	41.5 +28.0	44.0 +30.5	45.3 +31.8	48.6 +35.1	40.6 +27.1	36.6 +23.1	42.5 +29.0	44.6 +31.1
성동구	13.4	34.6 +21.2	39.7 +26.3	44.1 +30.7	42.3 +28.9	44.4 +31.0	46.0 +32.6	49.5 +36.1	41.5 +28.1	37.2 +23.8	43.2 +29.8	45.5 +32.1
성북구	9.6	29.0 +19.4	34.4 +24.8	38.6 +29.0	36.3 +26.7	38.4 +28.8	38.7 +29.1	43.1 +33.5	34.9 +25.3	31.7 +22.1	37.5 +27.9	39.0 +29.4
송파구	14.0	35.2 +21.2	40.0 +26.0	44.6 +30.6	42.5 +28.5	44.8 +30.8	46.1 +32.1	49.4 +35.4	41.9 +27.9	37.6 +23.6	43.5 +29.5	45.7 +31.7
양천구	13.7	33.7 +20.0	39.2 +25.5	43.8 +30.1	41.7 +28.0	44.4 +30.7	45.4 +31.7	48.7 +35.0	41.2 +27.5	36.5 +22.8	42.7 +29.0	44.9 +31.2
영등포구	16.0	38.0 +22.0	43.0 +27.0	47.5 +31.5	45.9 +29.9	48.6 +32.6	50.1 +34.1	53.1 +37.1	46.1 +30.1	40.5 +24.5	46.7 +30.7	49.6 +33.6
용산구	11.6	31.5 +19.9	36.9 +25.3	41.5 +29.9	39.4 +27.8	41.7 +30.1	42.4 +30.8	46.4 +34.8	38.3 +26.7	34.2 +22.6	40.4 +28.8	42.4 +30.8
은평구	8.0	26.6 +18.6	31.9 +23.9	36.7 +28.7	34.2 +26.2	36.6 +28.6	35.4 +27.4	40.6 +32.6	32.5 +24.5	29.2 +21.2	35.4 +27.4	36.5 +28.5
종로구	8.4	27.0 +18.6	32.4 +24.0	37.1 +28.7	34.6 +26.2	36.8 +28.4	36.3 +27.9	41.3 +32.9	33.0 +24.6	29.7 +21.3	35.9 +27.5	37.2 +28.8
중구	12.1	32.5 +20.4	37.5 +25.4	41.8 +29.7	40.0 +27.9	42.1 +30.0	43.2 +31.1	47.1 +35.0	38.8 +26.7	35.0 +22.9	40.9 +28.8	43.0 +30.9
종량구	9.3	28.6 +19.3	33.7 +24.4	38.3 +29.0	35.8 +26.5	37.5 +28.2	37.4 +28.1	42.2 +32.9	34.2 +24.9	31.2 +21.9	37.0 +27.7	38.2 +28.9

표 4-38. 서울특별시의 열대야일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	11.3	28.5	37.6	43.5	45.3	52.2	53.8	57.5	63.3	33.0	44.4	60.4
		+17.2	+26.3	+32.2	+34.0	+40.9	+42.5	+46.2	+52.0	+21.7	+33.1	+49.1
강남구	14.7	32.9	42.2	48.5	50.5	57.3	58.8	63.3	68.7	37.6	49.5	66.0
		+18.2	+27.5	+33.8	+35.8	+42.6	+44.1	+48.6	+54.0	+22.9	+34.8	+51.3
강동구	10.5	28.5	37.2	43.0	44.5	51.5	52.7	56.4	62.3	32.8	43.7	59.3
		+18.0	+26.7	+32.5	+34.0	+41.0	+42.2	+45.9	+51.8	+22.3	+33.2	+48.8
강북구	8.9	25.5	33.9	39.6	41.1	48.5	49.9	53.0	59.2	29.7	40.4	56.1
		+16.6	+25.0	+30.7	+32.2	+39.6	+41.0	+44.1	+50.3	+20.8	+31.5	+47.2
강서구	12.5	29.1	39.3	44.7	46.7	53.5	55.4	58.9	64.9	34.2	45.7	61.9
		+16.6	+26.8	+32.2	+34.2	+41.0	+42.9	+46.4	+52.4	+21.7	+33.2	+49.4
관악구	11.4	28.0	37.9	43.6	45.5	52.3	54.0	57.7	64.1	32.9	44.6	60.9
		+16.6	+26.5	+32.2	+34.1	+40.9	+42.6	+46.3	+52.7	+21.5	+33.2	+49.5
광진구	13.6	31.7	40.9	47.2	49.0	56.0	57.4	61.6	67.0	36.3	48.1	64.3
		+18.1	+27.3	+33.6	+35.4	+42.4	+43.8	+48.0	+53.4	+22.7	+34.5	+50.7
구로구	12.8	29.6	39.4	45.1	47.2	53.9	55.6	59.5	65.3	34.5	46.2	62.4
		+16.8	+26.6	+32.3	+34.4	+41.1	+42.8	+46.7	+52.5	+21.7	+33.4	+49.6
금천구	13.1	30.1	40.2	46.0	48.1	54.8	56.4	60.8	66.4	35.1	47.1	63.6
		+17.0	+27.1	+32.9	+35.0	+41.7	+43.3	+47.7	+53.3	+22.0	+34.0	+50.5
노원구	5.9	22.3	30.0	35.5	36.8	44.2	45.4	48.4	54.6	26.1	36.2	51.5
		+16.4	+24.1	+29.6	+30.9	+38.3	+39.5	+42.5	+48.7	+20.2	+30.3	+45.6
도봉구	5.2	21.0	28.5	34.1	35.5	42.7	44.0	46.9	53.1	24.8	34.8	50.0
		+15.8	+23.3	+28.9	+30.3	+37.5	+38.8	+41.7	+47.9	+19.6	+29.6	+44.8
동대문구	12.2	29.9	39.1	45.1	46.8	54.0	55.3	59.1	64.8	34.5	46.0	61.9
		+17.7	+26.9	+32.9	+34.6	+41.8	+43.1	+46.9	+52.6	+22.3	+33.8	+49.7
동작구	12.4	30.5	40.1	46.0	48.4	54.8	56.6	61.0	66.5	35.3	47.2	63.7
		+18.1	+27.7	+33.6	+36.0	+42.4	+44.2	+48.6	+54.1	+22.9	+34.8	+51.3
마포구	12.2	29.5	39.5	45.1	47.0	53.8	55.7	59.3	65.3	34.5	46.0	62.3
		+17.3	+27.3	+32.9	+34.8	+41.6	+43.5	+47.1	+53.1	+22.3	+33.8	+50.1
서대문구	7.5	23.2	31.5	37.5	39.3	46.3	48.0	50.8	57.5	27.3	38.4	54.1
		+15.7	+24.0	+30.0	+31.8	+38.8	+40.5	+43.3	+50.0	+19.8	+30.9	+46.6
서초구	13.5	30.9	40.6	46.5	48.3	55.0	56.6	60.6	66.3	35.7	47.4	63.5
		+17.4	+27.1	+33.0	+34.8	+41.5	+43.1	+47.1	+52.8	+22.2	+33.9	+50.0
성동구	13.4	31.5	41.0	47.1	49.0	56.0	57.6	61.6	67.3	36.3	48.1	64.4
		+18.1	+27.6	+33.7	+35.6	+42.6	+44.2	+48.2	+53.9	+22.9	+34.7	+51.0
성북구	9.6	26.2	35.1	40.8	42.4	49.5	50.9	54.3	60.3	30.7	41.6	57.3
		+16.6	+25.5	+31.2	+32.8	+39.9	+41.3	+44.7	+50.7	+21.1	+32.0	+47.7
송파구	14.0	32.2	41.2	47.5	49.3	56.3	57.6	61.9	67.3	36.7	48.4	64.6
		+18.2	+27.2	+33.5	+35.3	+42.3	+43.6	+47.9	+53.3	+22.7	+34.4	+50.6
양천구	13.7	30.9	41.0	46.5	48.7	55.3	57.1	61.1	66.7	35.9	47.6	63.9
		+17.2	+27.3	+32.8	+35.0	+41.6	+43.4	+47.4	+53.0	+22.2	+33.9	+50.2
영등포구	16.0	35.3	44.7	50.8	53.5	59.8	61.6	66.5	71.3	40.0	52.1	68.9
		+19.3	+28.7	+34.8	+37.5	+43.8	+45.6	+50.5	+55.3	+24.0	+36.1	+52.9
용산구	11.6	28.7	38.3	44.1	45.9	52.8	54.5	58.3	64.3	33.5	45.0	61.3
		+17.1	+26.7	+32.5	+34.3	+41.2	+42.9	+46.7	+52.7	+21.9	+33.4	+49.7
은평구	8.0	24.1	32.6	38.2	39.9	47.2	48.7	51.3	57.8	28.4	39.1	54.6
		+16.1	+24.6	+30.2	+31.9	+39.2	+40.7	+43.3	+49.8	+20.4	+31.1	+46.6
종로구	8.4	24.4	33.1	39.0	40.6	47.8	49.3	52.5	58.8	28.7	39.8	55.7
		+16.0	+24.7	+30.6	+32.2	+39.4	+40.9	+44.1	+50.4	+20.3	+31.4	+47.3
중구	12.1	29.4	39.0	44.8	46.5	53.5	54.9	58.7	64.5	34.2	45.7	61.6
		+17.3	+26.9	+32.7	+34.4	+41.4	+42.8	+46.6	+52.4	+22.1	+33.6	+49.5
종랑구	9.3	26.0	34.2	40.0	41.5	48.6	49.8	53.2	59.0	30.1	40.8	56.1
		+16.7	+24.9	+30.7	+32.2	+39.3	+40.5	+43.9	+49.7	+20.8	+31.5	+46.8

표 4-39. 서울특별시의 열대야일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	11.3	29.4	35.5	46.5	52.7	60.5	67.4	81.3	86.5	32.5	49.6	83.9
		+18.1	+24.2	+35.2	+41.4	+49.2	+56.1	+70.0	+75.2	+21.2	+38.3	+72.6
강남구	14.7	34.6	40.3	51.8	58.4	66.6	73.0	87.6	92.9	37.4	55.1	90.2
		+19.9	+25.6	+37.1	+43.7	+51.9	+58.3	+72.9	+78.2	+22.7	+40.4	+75.5
강동구	10.5	29.5	35.9	46.0	52.3	59.4	66.4	79.6	84.3	32.7	49.2	81.9
		+19.0	+25.4	+35.5	+41.8	+48.9	+55.9	+69.1	+73.8	+22.2	+38.7	+71.4
강북구	8.9	25.9	32.2	42.5	48.7	55.9	63.4	76.7	81.3	29.0	45.6	79.0
		+17.0	+23.3	+33.6	+39.8	+47.0	+54.5	+67.8	+72.4	+20.1	+36.7	+70.1
강서구	12.5	30.2	36.4	47.7	53.7	61.8	68.3	82.3	88.5	33.3	50.7	85.4
		+17.7	+23.9	+35.2	+41.2	+49.3	+55.8	+69.8	+76.0	+20.8	+38.2	+72.9
관악구	11.4	29.0	35.3	46.6	52.6	61.0	67.6	81.9	87.8	32.1	49.6	84.9
		+17.6	+23.9	+35.2	+41.2	+49.6	+56.2	+70.5	+76.4	+20.7	+38.2	+73.5
광진구	13.6	33.4	39.2	50.5	56.9	64.9	71.5	85.7	90.8	36.3	53.7	88.3
		+19.8	+25.6	+36.9	+43.3	+51.3	+57.9	+72.1	+77.2	+22.7	+40.1	+74.7
구로구	12.8	30.6	36.7	48.1	54.2	62.5	68.8	82.9	89.0	33.7	51.2	85.9
		+17.8	+23.9	+35.3	+41.4	+49.7	+56.0	+70.1	+76.2	+20.9	+38.4	+73.1
금천구	13.1	31.4	37.4	49.1	55.1	63.7	70.1	84.4	90.7	34.4	52.1	87.5
		+18.3	+24.3	+36.0	+42.0	+50.6	+57.0	+71.3	+77.6	+21.3	+39.0	+74.4
노원구	5.9	22.0	28.5	38.1	44.0	51.0	58.9	71.1	74.9	25.2	41.1	73.0
		+16.1	+22.6	+32.2	+38.1	+45.1	+53.0	+65.2	+69.0	+19.3	+35.2	+67.1
도봉구	5.2	20.5	27.0	36.7	42.6	49.6	57.5	69.9	73.4	23.8	39.6	71.6
		+15.3	+21.8	+31.5	+37.4	+44.4	+52.3	+64.7	+68.2	+18.6	+34.4	+66.4
동대문구	12.2	31.3	37.3	48.2	54.7	62.2	69.1	83.1	88.0	34.3	51.5	85.6
		+19.1	+25.1	+36.0	+42.5	+50.0	+56.9	+70.9	+75.8	+22.1	+39.3	+73.4
동작구	12.4	31.8	37.6	49.1	55.7	64.4	70.7	85.2	90.8	34.7	52.4	88.0
		+19.4	+25.2	+36.7	+43.3	+52.0	+58.3	+72.8	+78.4	+22.3	+40.0	+75.6
마포구	12.2	30.8	36.6	48.0	54.3	62.6	69.1	83.5	89.4	33.7	51.2	86.5
		+18.6	+24.4	+35.8	+42.1	+50.4	+56.9	+71.3	+77.2	+21.5	+39.0	+74.3
서대문구	7.5	23.1	29.9	40.4	46.5	53.7	61.5	74.9	79.9	26.5	43.4	77.4
		+15.6	+22.4	+32.9	+39.0	+46.2	+54.0	+67.4	+72.4	+19.0	+35.9	+69.9
서초구	13.5	32.4	38.3	49.6	55.9	63.8	70.2	84.3	89.6	35.3	52.7	86.9
		+18.9	+24.8	+36.1	+42.4	+50.3	+56.7	+70.8	+76.1	+21.8	+39.2	+73.4
성동구	13.4	33.1	39.0	50.4	56.9	65.1	71.5	86.0	91.3	36.0	53.6	88.7
		+19.7	+25.6	+37.0	+43.5	+51.7	+58.1	+72.6	+77.9	+22.6	+40.2	+75.3
성북구	9.6	26.8	33.3	43.7	50.0	57.1	64.5	78.2	83.1	30.1	46.8	80.7
		+17.2	+23.7	+34.1	+40.4	+47.5	+54.9	+68.6	+73.5	+20.5	+37.2	+71.1
송파구	14.0	33.7	39.6	50.7	57.3	65.0	71.7	85.8	90.9	36.7	54.0	88.4
		+19.7	+25.6	+36.7	+43.3	+51.0	+57.7	+71.8	+76.9	+22.7	+40.0	+74.4
양천구	13.7	32.2	38.0	49.5	55.8	64.0	70.4	84.6	90.9	35.1	52.6	87.7
		+18.5	+24.3	+35.8	+42.1	+50.3	+56.7	+70.9	+77.2	+21.4	+38.9	+74.0
영등포구	16.0	37.2	42.0	53.9	60.7	69.9	75.5	90.4	96.3	39.6	57.3	93.3
		+21.2	+26.0	+37.9	+44.7	+53.9	+59.5	+74.4	+80.3	+23.6	+41.3	+77.3
용산구	11.6	29.7	35.9	47.1	53.5	61.6	68.3	82.8	88.3	32.8	50.3	85.5
		+18.1	+24.3	+35.5	+41.9	+50.0	+56.7	+71.2	+76.7	+21.2	+38.7	+73.9
은평구	8.0	24.1	30.8	41.2	47.0	54.2	61.8	74.6	79.5	27.4	44.1	77.1
		+16.1	+22.8	+33.2	+39.0	+46.2	+53.8	+66.6	+71.5	+19.4	+36.1	+69.1
종로구	8.4	24.7	31.4	41.8	48.1	55.5	63.1	76.9	81.9	28.0	45.0	79.4
		+16.3	+23.0	+33.4	+39.7	+47.1	+54.7	+68.5	+73.5	+19.6	+36.6	+71.0
중구	12.1	30.5	36.6	47.8	54.0	61.8	68.5	82.8	88.0	33.6	50.9	85.4
		+18.4	+24.5	+35.7	+41.9	+49.7	+56.4	+70.7	+75.9	+21.5	+38.8	+73.3
종량구	9.3	26.5	32.8	42.9	48.9	56.1	63.4	76.0	80.3	29.7	45.9	78.1
		+17.2	+23.5	+33.6	+39.6	+46.8	+54.1	+66.7	+71.0	+20.4	+36.6	+68.8



표 4-40. 서울특별시의 열대야일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	11.3	31.3	34.7	51.2	50.9	68.7	77.8	91.2	101.0	33.0	51.1	96.1
		+20.0	+23.4	+39.9	+39.6	+57.4	+66.5	+79.9	+89.7	+21.7	+39.8	+84.8
강남구	14.7	36.0	39.6	56.6	56.1	74.0	83.5	97.2	106.4	37.8	56.4	101.8
		+21.3	+24.9	+41.9	+41.4	+59.3	+68.8	+82.5	+91.7	+23.1	+41.7	+87.1
강동구	10.5	31.1	34.1	50.3	49.9	67.3	76.3	89.2	99.0	32.6	50.1	94.1
		+20.6	+23.6	+39.8	+39.4	+56.8	+65.8	+78.7	+88.5	+22.1	+39.6	+83.6
강북구	8.9	27.9	30.9	47.0	46.8	64.6	73.7	86.5	96.9	29.4	46.9	91.7
		+19.0	+22.0	+38.1	+37.9	+55.7	+64.8	+77.6	+88.0	+20.5	+38.0	+82.8
강서구	12.5	32.5	35.9	52.6	52.3	70.3	79.2	92.5	102.3	34.2	52.5	97.4
		+20.0	+23.4	+40.1	+39.8	+57.8	+66.7	+80.0	+89.8	+21.7	+40.0	+84.9
관악구	11.4	31.2	34.7	51.8	51.3	69.1	78.4	92.3	102.2	33.0	51.5	97.3
		+19.8	+23.3	+40.4	+39.9	+57.7	+67.0	+80.9	+90.8	+21.6	+40.1	+85.9
광진구	13.6	34.8	38.1	55.1	54.7	72.4	81.7	95.2	104.8	36.5	54.9	100.0
		+21.2	+24.5	+41.5	+41.1	+58.8	+68.1	+81.6	+91.2	+22.9	+41.3	+86.4
구로구	12.8	32.7	36.3	53.2	52.8	70.7	79.8	92.9	102.6	34.5	53.0	97.8
		+19.9	+23.5	+40.4	+40.0	+57.9	+67.0	+80.1	+89.8	+21.7	+40.2	+85.0
금천구	13.1	33.2	37.0	54.2	53.6	71.9	81.2	94.8	104.4	35.1	53.9	99.6
		+20.1	+23.9	+41.1	+40.5	+58.8	+68.1	+81.7	+91.3	+22.0	+40.8	+86.5
노원구	5.9	24.1	26.9	42.3	42.6	59.5	68.1	80.9	91.0	25.5	42.5	85.9
		+18.2	+21.0	+36.4	+36.7	+53.6	+62.2	+75.0	+85.1	+19.6	+36.6	+80.0
도봉구	5.2	22.8	25.6	40.8	41.1	58.1	66.6	79.7	89.9	24.2	40.9	84.8
		+17.6	+20.4	+35.6	+35.9	+52.9	+61.4	+74.5	+84.7	+19.0	+35.7	+79.6
동대문구	12.2	32.7	36.2	52.9	52.2	70.2	79.4	92.6	102.5	34.5	52.5	97.5
		+20.5	+24.0	+40.7	+40.0	+58.0	+67.2	+80.4	+90.3	+22.3	+40.3	+85.3
동작구	12.4	33.4	37.2	54.2	54.1	72.1	81.5	95.3	105.1	35.3	54.1	100.2
		+21.0	+24.8	+41.8	+41.7	+59.7	+69.1	+82.9	+92.7	+22.9	+41.7	+87.8
마포구	12.2	32.7	36.2	53.1	52.7	70.8	79.7	93.5	103.3	34.5	52.9	98.4
		+20.5	+24.0	+40.9	+40.5	+58.6	+67.5	+81.3	+91.1	+22.3	+40.7	+86.2
서대문구	7.5	25.8	29.0	45.1	45.2	62.7	71.7	85.3	95.9	27.4	45.1	90.6
		+18.3	+21.5	+37.6	+37.7	+55.2	+64.2	+77.8	+88.4	+19.9	+37.6	+83.1
서초구	13.5	33.9	37.5	54.3	53.8	71.5	80.6	94.0	103.5	35.7	54.0	98.7
		+20.4	+24.0	+40.8	+40.3	+58.0	+67.1	+80.5	+90.0	+22.2	+40.5	+85.2
성동구	13.4	34.8	38.2	55.2	54.8	72.8	82.0	95.8	105.3	36.5	55.0	100.5
		+21.4	+24.8	+41.8	+41.4	+59.4	+68.6	+82.4	+91.9	+23.1	+41.6	+87.1
성북구	9.6	28.8	32.0	48.3	47.9	65.8	75.0	88.1	98.5	30.4	48.1	93.3
		+19.2	+22.4	+38.7	+38.3	+56.2	+65.4	+78.5	+88.9	+20.8	+38.5	+83.7
송파구	14.0	35.1	38.6	55.4	54.9	72.5	81.8	95.4	104.6	36.8	55.2	100.0
		+21.1	+24.6	+41.4	+40.9	+58.5	+67.8	+81.4	+90.6	+22.8	+41.2	+86.0
양천구	13.7	34.0	37.8	54.6	54.2	72.4	81.3	94.7	104.1	35.9	54.4	99.4
		+20.3	+24.1	+40.9	+40.5	+58.7	+67.6	+81.0	+90.4	+22.2	+40.7	+85.7
영등포구	16.0	38.3	42.4	59.2	59.2	77.5	86.7	100.4	109.6	40.3	59.2	105.0
		+22.3	+26.4	+43.2	+43.2	+61.5	+70.7	+84.4	+93.6	+24.3	+43.2	+89.0
용산구	11.6	31.6	35.2	52.1	51.6	69.8	79.0	92.9	102.8	33.4	51.8	97.9
		+20.0	+23.6	+40.5	+40.0	+58.2	+67.4	+81.3	+91.2	+21.8	+40.2	+86.3
은평구	8.0	26.8	29.6	45.8	45.7	63.0	72.0	84.9	95.1	28.2	45.7	90.0
		+18.8	+21.6	+37.8	+37.7	+55.0	+64.0	+76.9	+87.1	+20.2	+37.7	+82.0
종로구	8.4	27.0	30.4	46.6	46.4	64.3	73.5	87.1	97.8	28.7	46.5	92.5
		+18.6	+22.0	+38.2	+38.0	+55.9	+65.1	+78.7	+89.4	+20.3	+38.1	+84.1
중구	12.1	32.1	35.9	52.5	51.8	70.0	79.0	92.5	102.4	34.0	52.2	97.5
		+20.0	+23.8	+40.4	+39.7	+57.9	+66.9	+80.4	+90.3	+21.9	+40.1	+85.4
종랑구	9.3	28.3	31.3	47.3	47.0	64.1	72.8	85.6	95.4	29.8	47.1	90.5
		+19.0	+22.0	+38.0	+37.7	+54.8	+63.5	+76.3	+86.1	+20.5	+37.8	+81.2

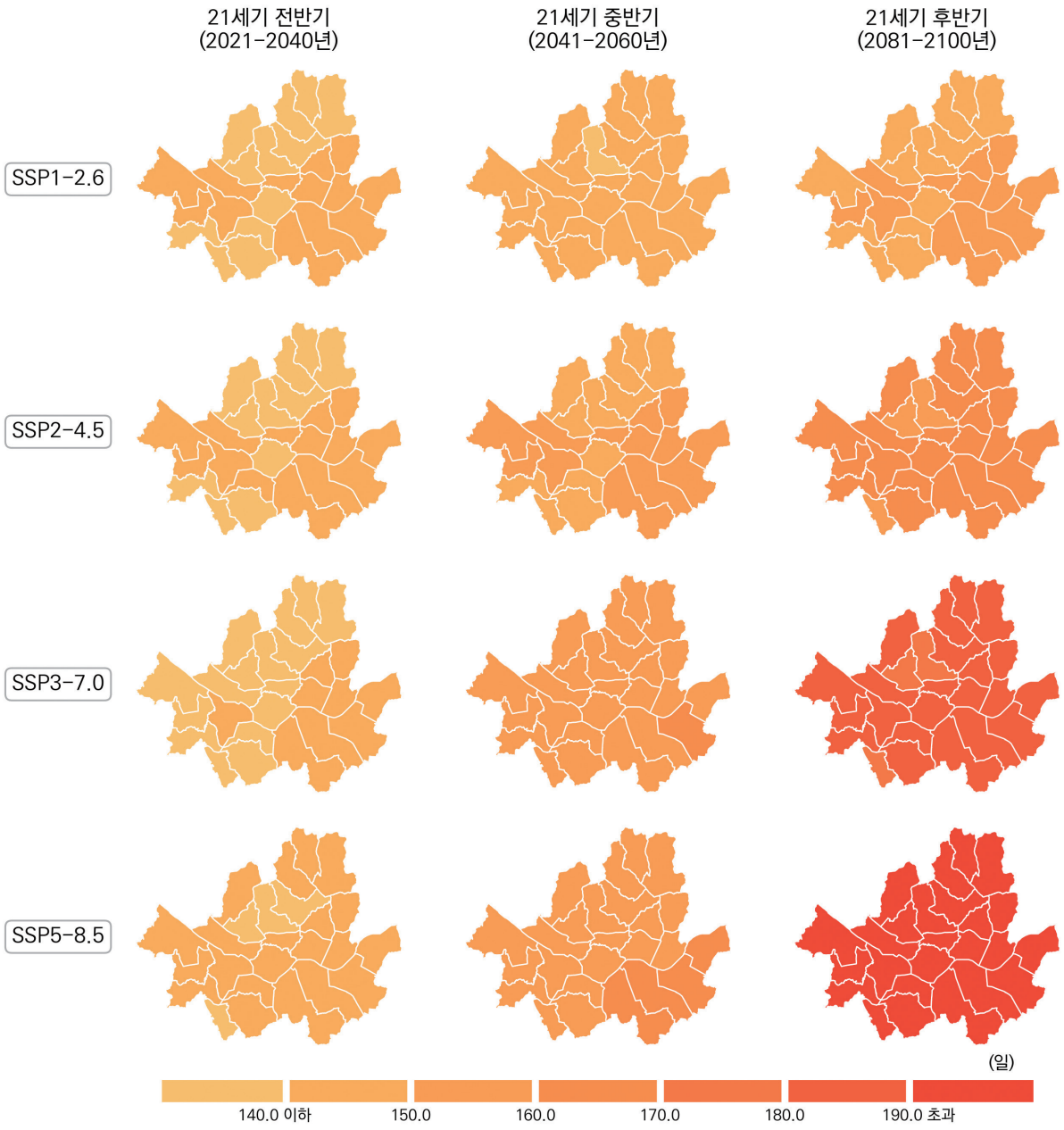


그림 4-20. 서울특별시의 여름일수(일) 전망 분포도

표 4-41. 서울특별시의 여름일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	127.7	139.4 +11.7	141.3 +13.6	145.2 +17.5	144.6 +16.9	149.3 +21.6	152.3 +24.6	151.3 +23.6	149.4 +21.7	140.3 +12.6	144.9 +17.2	150.4 +22.7
강남구	131.3	142.4 +11.1	143.9 +12.6	148.1 +16.8	147.6 +16.3	152.2 +20.9	154.9 +23.6	154.0 +22.7	152.4 +21.1	143.1 +11.8	147.9 +16.6	153.2 +21.9
강동구	131.5	142.9 +11.4	144.5 +13.0	148.9 +17.4	148.3 +16.8	152.5 +21.0	155.6 +24.1	154.7 +23.2	152.8 +21.3	143.7 +12.2	148.6 +17.1	153.7 +22.2
강북구	125.5	137.3 +11.8	139.5 +14.0	143.6 +18.1	142.9 +17.4	147.1 +21.6	150.4 +24.9	149.7 +24.2	147.4 +21.9	138.4 +12.9	143.2 +17.7	148.5 +23.0
강서구	127.8	139.1 +11.3	141.2 +13.4	144.5 +16.7	144.2 +16.4	149.6 +21.8	152.3 +24.5	150.6 +22.8	149.0 +21.2	140.1 +12.3	144.4 +16.6	149.8 +22.0
관악구	125.4	137.2 +11.8	139.4 +14.0	143.4 +18.0	142.6 +17.2	147.6 +22.2	150.4 +25.0	149.6 +24.2	147.8 +22.4	138.3 +12.9	143.0 +17.6	148.7 +23.3
광진구	130.3	141.9 +11.6	143.6 +13.3	147.8 +17.5	147.3 +17.0	151.7 +21.4	154.5 +24.2	153.7 +23.4	152.0 +21.7	142.8 +12.5	147.5 +17.2	152.8 +22.5
구로구	127.3	138.6 +11.3	140.6 +13.3	144.2 +16.9	143.6 +16.3	148.8 +21.5	151.8 +24.5	150.0 +22.7	148.6 +21.3	139.6 +12.3	143.9 +16.6	149.3 +22.0
금천구	123.5	135.8 +12.3	137.9 +14.4	142.0 +18.5	141.2 +17.7	146.3 +22.8	149.2 +25.7	148.0 +24.5	146.1 +22.6	136.9 +13.4	141.6 +18.1	147.1 +23.6
노원구	126.4	138.2 +11.8	140.4 +14.0	144.4 +18.0	143.7 +17.3	147.9 +21.5	151.6 +25.2	150.8 +24.4	148.4 +22.0	139.3 +12.9	144.1 +17.7	149.6 +23.2
도봉구	125.1	137.3 +12.2	139.5 +14.4	143.4 +18.3	142.7 +17.6	146.9 +21.8	150.5 +25.4	149.8 +24.7	147.4 +22.3	138.4 +13.3	143.1 +18.0	148.6 +23.5
동대문구	130.7	142.0 +11.3	143.7 +13.0	147.9 +17.2	147.3 +16.6	151.7 +21.0	154.7 +24.0	153.7 +23.0	152.0 +21.3	142.8 +12.1	147.6 +16.9	152.9 +22.2
동작구	127.8	139.1 +11.3	140.8 +13.0	144.8 +17.0	144.1 +16.3	149.0 +21.2	152.0 +24.2	150.8 +23.0	149.1 +21.3	139.9 +12.1	144.4 +16.6	149.9 +22.1
마포구	128.2	140.2 +12.0	141.7 +13.5	145.7 +17.5	145.2 +17.0	150.1 +21.9	152.9 +24.7	151.9 +23.7	150.1 +21.9	141.0 +12.8	145.4 +17.2	151.0 +22.8
서대문구	121.9	134.6 +12.7	137.0 +15.1	140.5 +18.6	140.1 +18.2	144.7 +22.8	147.9 +26.0	147.2 +25.3	144.5 +22.6	135.8 +13.9	140.3 +18.4	145.9 +24.0
서초구	131.9	143.3 +11.4	144.5 +12.6	148.8 +16.9	148.3 +16.4	153.1 +21.2	155.7 +23.8	154.6 +22.7	153.0 +21.1	143.9 +12.0	148.5 +16.6	153.8 +21.9
성동구	130.2	141.7 +11.5	143.4 +13.2	147.4 +17.2	146.9 +16.7	151.3 +21.1	154.3 +24.1	153.4 +23.2	151.6 +21.4	142.5 +12.3	147.2 +17.0	152.5 +22.3
성북구	124.5	136.4 +11.9	138.7 +14.2	142.7 +18.2	142.1 +17.6	146.3 +21.8	149.6 +25.1	149.0 +24.5	146.6 +22.1	137.5 +13.0	142.4 +17.9	147.8 +23.3
송파구	132.6	143.9 +11.3	145.3 +12.7	149.6 +17.0	149.2 +16.6	153.6 +21.0	156.4 +23.8	155.4 +22.8	154.0 +21.4	144.6 +12.0	149.4 +16.8	154.7 +22.1
양천구	128.6	140.0 +11.4	141.9 +13.3	145.3 +16.7	144.8 +16.2	150.3 +21.7	152.9 +24.3	151.3 +22.7	149.9 +21.3	140.9 +12.3	145.1 +16.5	150.6 +22.0
영등포구	130.5	141.8 +11.3	143.0 +12.5	147.0 +16.5	146.5 +16.0	151.7 +21.2	154.4 +23.9	153.0 +22.5	151.5 +21.0	142.4 +11.9	146.8 +16.3	152.3 +21.8
용산구	126.1	138.0 +11.9	140.1 +14.0	144.0 +17.9	143.4 +17.3	148.1 +22.0	150.9 +24.8	150.3 +24.2	148.3 +22.2	139.1 +13.0	143.7 +17.6	149.3 +23.2
은평구	126.5	138.5 +12.0	140.4 +13.9	144.1 +17.6	143.4 +16.9	148.3 +21.8	151.5 +25.0	150.3 +23.8	148.2 +21.7	139.4 +12.9	143.8 +17.3	149.3 +22.8
종로구	121.1	133.8 +12.7	136.3 +15.2	140.1 +19.0	139.6 +18.5	144.0 +22.9	147.2 +26.1	146.6 +25.5	144.1 +23.0	135.0 +13.9	139.9 +18.8	145.4 +24.3
중구	127.7	139.5 +11.8	141.6 +13.9	145.5 +17.8	144.8 +17.1	149.5 +21.8	152.4 +24.7	151.7 +24.0	149.7 +22.0	140.5 +12.8	145.2 +17.5	150.7 +23.0
종랑구	129.1	140.6 +11.5	142.7 +13.6	146.7 +17.6	146.0 +16.9	150.4 +21.3	153.7 +24.6	152.9 +23.8	150.7 +21.6	141.6 +12.5	146.4 +17.3	151.8 +22.7

표 4-42. 서울특별시의 여름일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	127.7	140.0	141.4	148.1	152.4	157.0	155.5	163.3	162.3	140.7	150.2	162.8
		+12.3	+13.7	+20.4	+24.7	+29.3	+27.8	+35.6	+34.6	+13.0	+22.5	+35.1
강남구	131.3	143.1	144.5	150.3	155.1	159.8	158.1	166.0	164.8	143.8	152.7	165.4
		+11.8	+13.2	+19.0	+23.8	+28.5	+26.8	+34.7	+33.5	+12.5	+21.4	+34.1
강동구	131.5	143.6	144.9	150.5	155.6	160.2	159.0	166.4	165.6	144.2	153.1	166.0
		+12.1	+13.4	+19.0	+24.1	+28.7	+27.5	+34.9	+34.1	+12.7	+21.6	+34.5
강북구	125.5	138.3	139.4	146.3	150.6	155.1	153.6	161.1	160.6	138.9	148.4	160.9
		+12.8	+13.9	+20.8	+25.1	+29.6	+28.1	+35.6	+35.1	+13.4	+22.9	+35.4
강서구	127.8	139.9	140.9	148.0	152.2	156.5	155.1	163.4	161.5	140.4	150.1	162.5
		+12.1	+13.1	+20.2	+24.4	+28.7	+27.3	+35.6	+33.7	+12.6	+22.3	+34.7
관악구	125.4	137.6	139.4	146.7	150.9	155.4	154.1	161.8	160.8	138.5	148.8	161.3
		+12.2	+14.0	+21.3	+25.5	+30.0	+28.7	+36.4	+35.4	+13.1	+23.4	+35.9
광진구	130.3	142.5	143.9	149.9	154.7	159.4	157.8	165.5	164.6	143.2	152.3	165.0
		+12.2	+13.6	+19.6	+24.4	+29.1	+27.5	+35.2	+34.3	+12.9	+22.0	+34.7
구로구	127.3	139.0	140.3	147.5	151.9	155.8	154.4	162.5	161.0	139.7	149.7	161.7
		+11.7	+13.0	+20.2	+24.6	+28.5	+27.1	+35.2	+33.7	+12.4	+22.4	+34.4
금천구	123.5	135.9	137.7	145.3	150.0	154.2	152.3	160.5	159.1	136.8	147.6	159.8
		+12.4	+14.2	+21.8	+26.5	+30.7	+28.8	+37.0	+35.6	+13.3	+24.1	+36.3
노원구	126.4	139.3	140.4	147.1	151.5	156.0	154.7	162.2	161.8	139.8	149.3	162.0
		+12.9	+14.0	+20.7	+25.1	+29.6	+28.3	+35.8	+35.4	+13.4	+22.9	+35.6
도봉구	125.1	138.2	139.3	146.3	150.5	155.0	153.7	161.2	160.6	138.8	148.4	160.9
		+13.1	+14.2	+21.2	+25.4	+29.9	+28.6	+36.1	+35.5	+13.7	+23.3	+35.8
동대문구	130.7	142.8	144.1	150.1	154.8	159.4	157.8	165.6	164.6	143.4	152.4	165.1
		+12.1	+13.4	+19.4	+24.1	+28.7	+27.1	+34.9	+33.9	+12.7	+21.7	+34.4
동작구	127.8	139.5	141.1	147.8	152.0	156.4	155.0	162.9	161.7	140.3	149.9	162.3
		+11.7	+13.3	+20.0	+24.2	+28.6	+27.2	+35.1	+33.9	+12.5	+22.1	+34.5
마포구	128.2	140.9	141.9	148.9	152.9	157.4	156.2	164.1	162.9	141.4	150.9	163.5
		+12.7	+13.7	+20.7	+24.7	+29.2	+28.0	+35.9	+34.7	+13.2	+22.7	+35.3
서대문구	121.9	135.1	136.7	144.3	148.2	153.0	151.3	158.9	158.5	135.9	146.3	158.7
		+13.2	+14.8	+22.4	+26.3	+31.1	+29.4	+37.0	+36.6	+14.0	+24.4	+36.8
서초구	131.9	143.9	145.4	151.0	155.6	160.3	158.6	166.7	165.1	144.7	153.3	165.9
		+12.0	+13.5	+19.1	+23.7	+28.4	+26.7	+34.8	+33.2	+12.8	+21.4	+34.0
성동구	130.2	142.4	143.6	149.8	154.3	159.1	157.4	165.3	164.2	143.0	152.1	164.7
		+12.2	+13.4	+19.6	+24.1	+28.9	+27.2	+35.1	+34.0	+12.8	+21.9	+34.5
성북구	124.5	137.3	138.6	145.6	149.7	154.5	152.9	160.4	159.9	137.9	147.7	160.2
		+12.8	+14.1	+21.1	+25.2	+30.0	+28.4	+35.9	+35.4	+13.4	+23.2	+35.7
송파구	132.6	144.5	145.9	151.4	156.7	161.4	159.8	167.5	166.5	145.2	154.1	167.0
		+11.9	+13.3	+18.8	+24.1	+28.8	+27.2	+34.9	+33.9	+12.6	+21.5	+34.4
양천구	128.6	140.6	141.7	148.8	152.9	157.1	155.7	163.9	162.1	141.1	150.8	163.0
		+12.0	+13.1	+20.2	+24.3	+28.5	+27.1	+35.3	+33.5	+12.5	+22.2	+34.4
영등포구	130.5	142.3	143.4	150.0	154.1	158.7	157.2	165.4	163.7	142.9	152.0	164.6
		+11.8	+12.9	+19.5	+23.6	+28.2	+26.7	+34.9	+33.2	+12.4	+21.5	+34.1
용산구	126.1	138.6	140.2	147.2	151.2	155.8	154.5	161.9	161.3	139.4	149.2	161.6
		+12.5	+14.1	+21.1	+25.1	+29.7	+28.4	+35.8	+35.2	+13.3	+23.1	+35.5
은평구	126.5	139.2	140.1	147.5	151.3	155.8	154.6	162.3	161.3	139.6	149.4	161.8
		+12.7	+13.6	+21.0	+24.8	+29.3	+28.1	+35.8	+34.8	+13.1	+22.9	+35.3
종로구	121.1	134.3	136.1	143.5	147.7	152.4	150.6	158.1	157.9	135.2	145.6	158.0
		+13.2	+15.0	+22.4	+26.6	+31.3	+29.5	+37.0	+36.8	+14.1	+24.5	+36.9
중구	127.7	140.5	141.6	148.5	152.6	157.2	155.9	163.4	162.6	141.1	150.5	163.0
		+12.8	+13.9	+20.8	+24.9	+29.5	+28.2	+35.7	+34.9	+13.4	+22.8	+35.3
종량구	129.1	141.6	142.9	149.0	153.8	158.3	156.9	164.4	163.9	142.3	151.4	164.2
		+12.5	+13.8	+19.9	+24.7	+29.2	+27.8	+35.3	+34.8	+13.2	+22.3	+35.1

표 4-43. 서울특별시의 여름일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	127.7	134.7 +7.0	143.1 +15.4	154.3 +26.6	158.0 +30.3	165.2 +37.5	167.7 +40.0	179.1 +51.4	186.6 +58.9	138.9 +11.2	156.2 +28.5	182.9 +55.2
강남구	131.3	138.3 +7.0	146.3 +15.0	157.3 +26.0	160.7 +29.4	167.9 +36.6	170.0 +38.7	181.3 +50.0	189.0 +57.7	142.3 +11.0	159.0 +27.7	185.2 +53.9
강동구	131.5	139.0 +7.5	146.8 +15.3	158.1 +26.6	161.5 +30.0	168.5 +37.0	170.6 +39.1	181.9 +50.4	189.7 +58.2	142.9 +11.4	159.8 +28.3	185.8 +54.3
강북구	125.5	132.6 +7.1	141.2 +15.7	152.7 +27.2	156.1 +30.6	163.3 +37.8	166.0 +40.5	177.6 +52.1	185.2 +59.7	136.9 +11.4	154.4 +28.9	181.4 +55.9
강서구	127.8	133.7 +5.9	142.4 +14.6	153.5 +25.7	157.7 +29.9	164.7 +36.9	167.4 +39.6	178.7 +50.9	185.5 +57.7	138.0 +10.2	155.6 +27.8	182.1 +54.3
관악구	125.4	132.5 +7.1	141.0 +15.6	152.3 +26.9	156.3 +30.9	163.9 +38.5	166.5 +41.1	178.1 +52.7	185.3 +59.9	136.8 +11.4	154.3 +28.9	181.7 +56.3
광진구	130.3	137.9 +7.6	145.8 +15.5	156.9 +26.6	160.4 +30.1	167.5 +37.2	169.7 +39.4	181.1 +50.8	188.9 +58.6	141.9 +11.6	158.6 +28.3	185.0 +54.7
구로구	127.3	133.3 +6.0	141.9 +14.6	152.7 +25.4	156.9 +29.6	164.3 +37.0	166.7 +39.4	178.1 +50.8	184.7 +57.4	137.6 +10.3	154.8 +27.5	181.4 +54.1
금천구	123.5	130.6 +7.1	139.2 +15.7	150.5 +27.0	155.0 +31.5	162.4 +38.9	165.1 +41.6	176.6 +53.1	183.4 +59.9	134.9 +11.4	152.7 +29.2	180.0 +56.5
노원구	126.4	133.6 +7.2	142.3 +15.9	153.9 +27.5	157.1 +30.7	164.5 +38.1	167.0 +40.6	178.6 +52.2	186.5 +60.1	137.9 +11.5	155.5 +29.1	182.5 +56.1
도봉구	125.1	132.5 +7.4	141.1 +16.0	152.8 +27.7	156.0 +30.9	163.5 +38.4	166.2 +41.1	177.7 +52.6	185.6 +60.5	136.8 +11.7	154.4 +29.3	181.6 +56.5
동대문구	130.7	137.8 +7.1	146.0 +15.3	157.0 +26.3	160.6 +29.9	167.5 +36.8	170.0 +39.3	181.2 +50.5	188.9 +58.2	141.9 +11.2	158.8 +28.1	185.1 +54.4
동작구	127.8	134.2 +6.4	142.6 +14.8	153.7 +25.9	157.6 +29.8	164.8 +37.0	167.2 +39.4	178.7 +50.9	185.9 +58.1	138.4 +10.6	155.6 +27.8	182.3 +54.5
마포구	128.2	135.2 +7.0	143.6 +15.4	154.8 +26.6	158.6 +30.4	165.6 +37.4	168.4 +40.2	179.6 +51.4	186.9 +58.7	139.4 +11.2	156.7 +28.5	183.3 +55.1
서대문구	121.9	129.5 +7.6	138.2 +16.3	150.0 +28.1	153.8 +31.9	161.1 +39.2	163.8 +41.9	175.7 +53.8	183.3 +61.4	133.9 +12.0	151.9 +30.0	179.5 +57.6
서초구	131.9	139.1 +7.2	147.0 +15.1	157.8 +25.9	161.4 +29.5	168.5 +36.6	170.6 +38.7	181.6 +49.7	189.0 +57.1	143.0 +11.1	159.6 +27.7	185.3 +53.4
성동구	130.2	137.3 +7.1	145.5 +15.3	156.6 +26.4	160.1 +29.9	167.2 +37.0	169.5 +39.3	180.9 +50.7	188.6 +58.4	141.4 +11.2	158.4 +28.2	184.7 +54.5
성북구	124.5	131.8 +7.3	140.4 +15.9	152.0 +27.5	155.4 +30.9	162.4 +37.9	165.2 +40.7	176.8 +52.3	184.6 +60.1	136.1 +11.6	153.7 +29.2	180.7 +56.2
송파구	132.6	139.9 +7.3	147.7 +15.1	159.0 +26.4	162.5 +29.9	169.7 +37.1	171.6 +39.0	182.9 +50.3	190.6 +58.0	143.8 +11.2	160.7 +28.1	186.8 +54.2
양천구	128.6	134.7 +6.1	143.1 +14.5	154.1 +25.5	158.2 +29.6	165.5 +36.9	167.8 +39.2	179.1 +50.5	185.8 +57.2	138.9 +10.3	156.2 +27.6	182.5 +53.9
영등포구	130.5	136.8 +6.3	145.1 +14.6	155.9 +25.4	160.0 +29.5	167.0 +36.5	169.3 +38.8	180.4 +49.9	187.5 +57.0	141.0 +10.5	157.9 +27.4	184.0 +53.5
용산구	126.1	133.4 +7.3	142.0 +15.9	153.2 +27.1	156.7 +30.6	163.8 +37.7	166.6 +40.5	178.1 +52.0	185.7 +59.6	137.7 +11.6	154.9 +28.8	181.9 +55.8
은평구	126.5	133.3 +6.8	141.9 +15.4	153.1 +26.6	157.0 +30.5	164.0 +37.5	166.8 +40.3	178.2 +51.7	185.7 +59.2	137.6 +11.1	155.1 +28.6	181.9 +55.4
종로구	121.1	128.9 +7.8	137.8 +16.7	149.5 +28.4	153.1 +32.0	160.3 +39.2	163.2 +42.1	175.1 +54.0	182.7 +61.6	133.4 +12.3	151.3 +30.2	178.9 +57.8
중구	127.7	135.0 +7.3	143.6 +15.9	154.6 +26.9	158.3 +30.6	165.2 +37.5	168.1 +40.4	179.4 +51.7	187.1 +59.4	139.3 +11.6	156.5 +28.8	183.2 +55.5
중랑구	129.1	136.4 +7.3	144.5 +15.4	155.9 +26.8	159.6 +30.5	166.6 +37.5	169.1 +40.0	180.4 +51.3	188.3 +59.2	140.5 +11.4	157.7 +28.6	184.3 +55.2

표 4-44. 서울특별시의 여름일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	127.7	139.0 +11.3	145.3 +17.6	155.3 +27.6	159.5 +31.8	171.4 +43.7	181.6 +53.9	189.0 +61.3	199.6 +71.9	142.2 +14.5	157.4 +29.7	194.3 +66.6
강남구	131.3	141.9 +10.6	148.4 +17.1	158.1 +26.8	162.3 +31.0	173.9 +42.6	184.1 +52.8	191.1 +59.8	201.5 +70.2	145.1 +13.8	160.2 +28.9	196.3 +65.0
강동구	131.5	142.1 +10.6	148.8 +17.3	158.6 +27.1	163.1 +31.6	174.9 +43.4	184.8 +53.3	191.6 +60.1	202.3 +70.8	145.4 +13.9	160.8 +29.3	196.9 +65.4
강북구	125.5	137.1 +11.6	143.4 +17.9	153.5 +28.0	157.7 +32.2	169.8 +44.3	179.8 +54.3	187.6 +62.1	198.3 +72.8	140.2 +14.7	155.6 +30.1	192.9 +67.4
강서구	127.8	138.8 +11.0	144.9 +17.1	154.9 +27.1	158.8 +31.0	170.7 +42.9	180.9 +53.1	188.2 +60.4	198.9 +71.1	141.9 +14.1	156.8 +29.0	193.5 +65.7
관악구	125.4	137.1 +11.7	143.4 +18.0	153.6 +28.2	157.7 +32.3	170.1 +44.7	180.2 +54.8	188.0 +62.6	198.5 +73.1	140.3 +14.9	155.7 +30.3	193.2 +67.8
광진구	130.3	141.4 +11.1	147.9 +17.6	157.8 +27.5	161.9 +31.6	173.7 +43.4	183.8 +53.5	190.9 +60.6	201.6 +71.3	144.6 +14.3	159.9 +29.6	196.3 +66.0
구로구	127.3	138.2 +10.9	144.5 +17.2	154.3 +27.0	158.2 +30.9	169.9 +42.6	179.9 +52.6	187.6 +60.3	198.1 +70.8	141.3 +14.0	156.3 +29.0	192.8 +65.5
금천구	123.5	135.4 +11.9	141.6 +18.1	152.0 +28.5	155.9 +32.4	168.3 +44.8	178.4 +54.9	186.7 +63.2	196.9 +73.4	138.5 +15.0	153.9 +30.4	191.8 +68.3
노원구	126.4	138.1 +11.7	144.5 +18.1	154.5 +28.1	158.8 +32.4	171.1 +44.7	181.1 +54.7	188.8 +62.4	199.6 +73.2	141.3 +14.9	156.7 +30.3	194.2 +67.8
도봉구	125.1	137.1 +12.0	143.4 +18.3	153.5 +28.4	157.9 +32.8	170.0 +44.9	180.1 +55.0	187.9 +62.8	198.7 +73.6	140.2 +15.1	155.7 +30.6	193.3 +68.2
동대문구	130.7	141.4 +10.7	147.9 +17.2	157.7 +27.0	162.0 +31.3	173.8 +43.1	183.9 +53.2	191.1 +60.4	201.7 +71.0	144.7 +14.0	159.8 +29.1	196.4 +65.7
동작구	127.8	138.9 +11.1	145.0 +17.2	154.8 +27.0	158.8 +31.0	170.8 +43.0	180.9 +53.1	188.4 +60.6	198.9 +71.1	141.9 +14.1	156.8 +29.0	193.6 +65.8
마포구	128.2	139.9 +11.7	146.0 +17.8	155.9 +27.7	160.1 +31.9	171.9 +43.7	182.4 +54.2	189.3 +61.1	200.1 +71.9	143.0 +14.8	158.0 +29.8	194.7 +66.5
서대문구	121.9	134.7 +12.8	140.7 +18.8	151.3 +29.4	155.1 +33.2	167.6 +45.7	177.8 +55.9	185.9 +64.0	196.6 +74.7	137.7 +15.8	153.2 +31.3	191.2 +69.3
서초구	131.9	142.7 +10.8	149.2 +17.3	158.7 +26.8	163.0 +31.1	174.4 +42.5	184.5 +52.6	191.2 +59.3	201.7 +69.8	146.0 +14.1	160.8 +28.9	196.4 +64.5
성동구	130.2	141.1 +10.9	147.5 +17.3	157.4 +27.2	161.6 +31.4	173.3 +43.1	183.5 +53.3	190.7 +60.5	201.4 +71.2	144.3 +14.1	159.5 +29.3	196.0 +65.8
성북구	124.5	136.4 +11.9	142.6 +18.1	152.7 +28.2	157.0 +32.5	169.1 +44.6	179.1 +54.6	186.9 +62.4	197.6 +73.1	139.5 +15.0	154.8 +30.3	192.2 +67.7
송파구	132.6	143.0 +10.4	149.7 +17.1	159.5 +26.9	164.1 +31.5	175.7 +43.1	185.6 +53.0	192.6 +60.0	203.2 +70.6	146.4 +13.8	161.8 +29.2	197.9 +65.3
양천구	128.6	139.6 +11.0	145.8 +17.2	155.7 +27.1	159.5 +30.9	171.3 +42.7	181.3 +52.7	188.6 +60.0	199.2 +70.6	142.7 +14.1	157.6 +29.0	193.9 +65.3
영등포구	130.5	141.2 +10.7	147.5 +17.0	157.1 +26.6	161.2 +30.7	172.9 +42.4	182.9 +52.4	189.9 +59.4	200.6 +70.1	144.4 +13.9	159.1 +28.6	195.3 +64.8
용산구	126.1	138.1 +12.0	144.3 +18.2	154.0 +27.9	158.2 +32.1	170.2 +44.1	180.6 +54.5	188.0 +61.9	198.6 +72.5	141.2 +15.1	156.1 +30.0	193.3 +67.2
은평구	126.5	138.3 +11.8	144.3 +17.8	154.3 +27.8	158.5 +32.0	170.5 +44.0	180.8 +54.3	188.1 +61.6	198.9 +72.4	141.3 +14.8	156.4 +29.9	193.5 +67.0
종로구	121.1	133.8 +12.7	140.0 +18.9	150.7 +29.6	154.5 +33.4	167.0 +45.9	177.0 +55.9	185.2 +64.1	195.8 +74.7	136.9 +15.8	152.6 +31.5	190.5 +69.4
중구	127.7	139.4 +11.7	145.7 +18.0	155.5 +27.8	159.7 +32.0	171.7 +44.0	181.9 +54.2	189.3 +61.6	199.8 +72.1	142.6 +14.9	157.6 +29.9	194.5 +66.8
종량구	129.1	140.3 +11.2	147.0 +17.9	156.7 +27.6	161.1 +32.0	173.1 +44.0	183.2 +54.1	190.4 +61.3	201.0 +71.9	143.6 +14.5	158.9 +29.8	195.7 +66.6

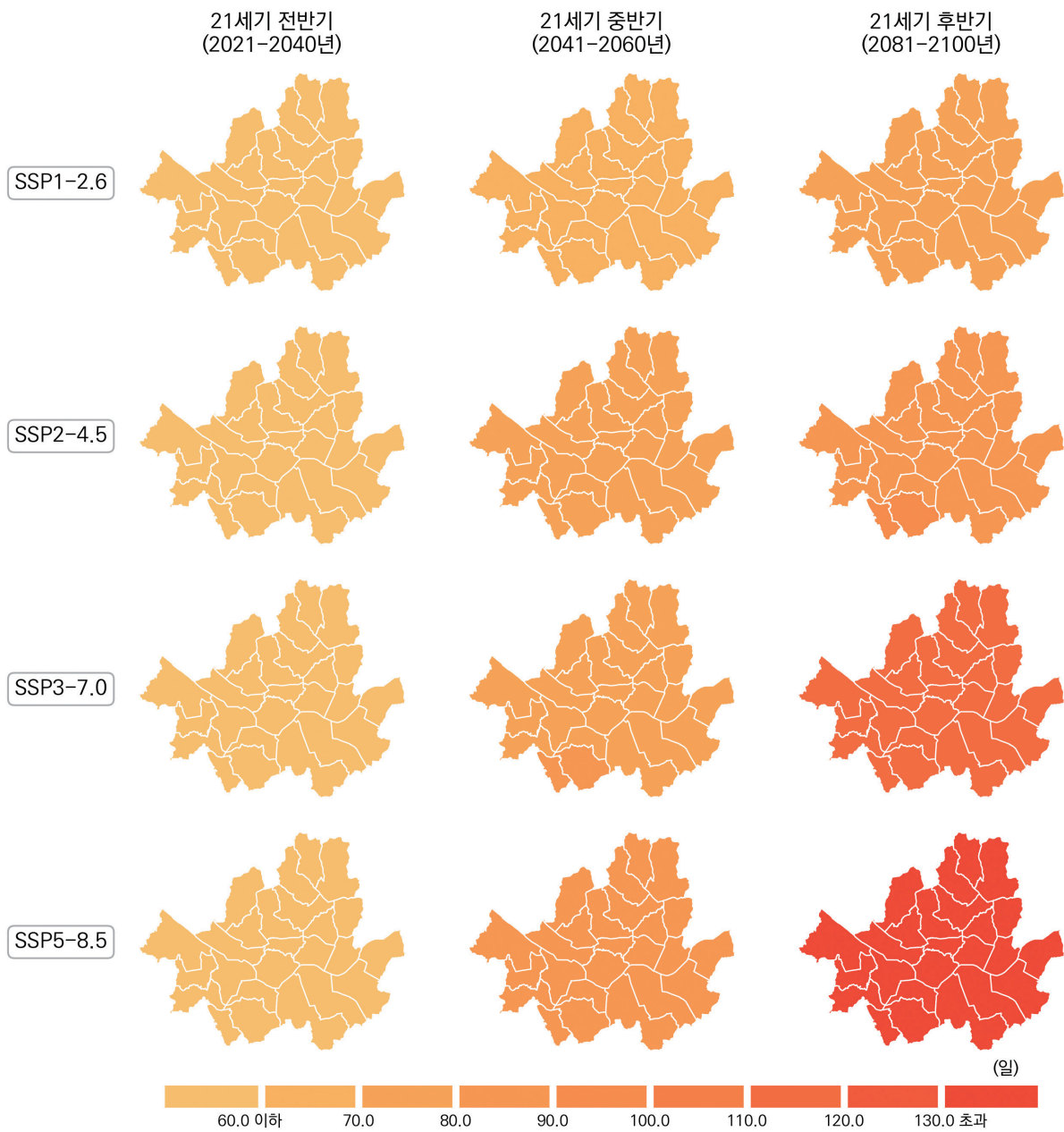


그림 4-21. 서울특별시의 온난일(일) 전망 분포도

표 4-45. 서울특별시의 온난일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	34.8	53.6	58.5	65.4	63.6	68.5	70.1	74.4	71.3	56.0	64.5	72.9
		+18.8	+23.7	+30.6	+28.8	+33.7	+35.3	+39.6	+36.5	+21.2	+29.7	+38.1
강남구	35.1	53.5	58.7	65.5	63.6	68.7	70.2	74.5	71.4	56.1	64.5	73.0
		+18.4	+23.6	+30.4	+28.5	+33.6	+35.1	+39.4	+36.3	+21.0	+29.4	+37.9
강동구	35.3	52.4	57.3	64.0	62.2	67.5	69.0	72.9	69.4	54.8	63.1	71.1
		+17.1	+22.0	+28.7	+26.9	+32.2	+33.7	+37.6	+34.1	+19.5	+27.8	+35.8
강북구	34.2	52.7	57.6	64.2	62.3	67.2	68.8	72.7	69.5	55.1	63.2	71.1
		+18.5	+23.4	+30.0	+28.1	+33.0	+34.6	+38.5	+35.3	+20.9	+29.0	+36.9
강서구	34.4	53.7	58.4	65.8	64.2	68.7	70.4	74.9	71.9	56.1	65.0	73.4
		+19.3	+24.0	+31.4	+29.8	+34.3	+36.0	+40.5	+37.5	+21.7	+30.6	+39.0
관악구	34.2	54.0	58.9	66.3	64.5	69.3	71.0	75.9	72.9	56.4	65.4	74.4
		+19.8	+24.7	+32.1	+30.3	+35.1	+36.8	+41.7	+38.7	+22.2	+31.2	+40.2
광진구	35.6	53.7	58.7	65.3	63.6	68.7	70.2	74.2	70.9	56.2	64.4	72.5
		+18.1	+23.1	+29.7	+28.0	+33.1	+34.6	+38.6	+35.3	+20.6	+28.8	+36.9
구로구	34.3	52.8	57.5	64.8	63.4	68.2	70.0	74.6	71.5	55.2	64.1	73.1
		+18.5	+23.2	+30.5	+29.1	+33.9	+35.7	+40.3	+37.2	+20.9	+29.8	+38.8
금천구	34.2	53.7	58.7	66.5	64.9	69.5	71.6	76.1	73.2	56.2	65.7	74.6
		+19.5	+24.5	+32.3	+30.7	+35.3	+37.4	+41.9	+39.0	+22.0	+31.5	+40.4
노원구	34.5	53.0	58.0	64.5	62.7	67.9	69.7	73.5	69.7	55.5	63.6	71.6
		+18.5	+23.5	+30.0	+28.2	+33.4	+35.2	+39.0	+35.2	+21.0	+29.1	+37.1
도봉구	35.0	53.0	58.0	64.5	62.8	67.8	69.6	73.4	69.8	55.5	63.6	71.6
		+18.0	+23.0	+29.5	+27.8	+32.8	+34.6	+38.4	+34.8	+20.5	+28.6	+36.6
동대문구	35.3	53.2	58.0	64.7	63.1	68.1	69.4	73.5	70.3	55.6	63.9	71.9
		+17.9	+22.7	+29.4	+27.8	+32.8	+34.1	+38.2	+35.0	+20.3	+28.6	+36.6
동작구	34.7	54.0	58.8	65.7	64.0	69.0	70.3	75.2	72.3	56.4	64.8	73.7
		+19.3	+24.1	+31.0	+29.3	+34.3	+35.6	+40.5	+37.6	+21.7	+30.1	+39.0
마포구	34.4	54.1	58.9	65.9	64.0	68.9	70.3	75.0	71.9	56.5	64.9	73.4
		+19.7	+24.5	+31.5	+29.6	+34.5	+35.9	+40.6	+37.5	+22.1	+30.5	+39.0
서대문구	34.5	54.1	59.0	66.1	64.0	69.1	70.5	75.0	71.8	56.6	65.0	73.4
		+19.6	+24.5	+31.6	+29.5	+34.6	+36.0	+40.5	+37.3	+22.1	+30.5	+38.9
서초구	35.0	53.4	58.4	65.0	63.2	68.3	69.7	74.4	71.3	55.9	64.1	72.8
		+18.4	+23.4	+30.0	+28.2	+33.3	+34.7	+39.4	+36.3	+20.9	+29.1	+37.8
성동구	35.3	53.6	58.6	65.3	63.6	68.5	69.8	74.2	71.1	56.1	64.5	72.7
		+18.3	+23.3	+30.0	+28.3	+33.2	+34.5	+38.9	+35.8	+20.8	+29.2	+37.4
성북구	35.1	53.4	58.2	64.9	63.3	68.1	69.5	73.7	70.6	55.8	64.1	72.2
		+18.3	+23.1	+29.8	+28.2	+33.0	+34.4	+38.6	+35.5	+20.7	+29.0	+37.1
송파구	35.5	53.7	58.9	65.5	63.6	68.8	70.6	74.4	71.4	56.3	64.5	72.9
		+18.2	+23.4	+30.0	+28.1	+33.3	+35.1	+38.9	+35.9	+20.8	+29.0	+37.4
양천구	34.4	53.2	58.0	65.4	63.8	68.4	70.1	74.7	71.7	55.6	64.6	73.2
		+18.8	+23.6	+31.0	+29.4	+34.0	+35.7	+40.3	+37.3	+21.2	+30.2	+38.8
영등포구	34.7	53.9	58.5	65.8	64.1	68.8	70.4	75.1	72.4	56.2	64.9	73.7
		+19.2	+23.8	+31.1	+29.4	+34.1	+35.7	+40.4	+37.7	+21.5	+30.2	+39.0
용산구	35.1	54.2	59.1	65.9	63.8	68.9	70.1	74.8	71.9	56.6	64.9	73.3
		+19.1	+24.0	+30.8	+28.7	+33.8	+35.0	+39.7	+36.8	+21.5	+29.8	+38.2
은평구	34.8	54.4	59.0	66.1	64.3	69.1	70.5	74.9	71.8	56.7	65.2	73.3
		+19.6	+24.2	+31.3	+29.5	+34.3	+35.7	+40.1	+37.0	+21.9	+30.4	+38.5
종로구	35.1	54.3	59.0	66.0	64.0	69.1	70.3	74.9	71.8	56.7	65.0	73.3
		+19.2	+23.9	+30.9	+28.9	+34.0	+35.2	+39.8	+36.7	+21.6	+29.9	+38.2
중구	35.3	54.3	59.2	66.0	64.1	69.1	70.2	74.9	72.0	56.7	65.0	73.4
		+19.0	+23.9	+30.7	+28.8	+33.8	+34.9	+39.6	+36.7	+21.4	+29.7	+38.1
종량구	34.7	52.9	57.9	64.6	62.8	68.0	69.4	73.3	69.6	55.4	63.7	71.5
		+18.2	+23.2	+29.9	+28.1	+33.3	+34.7	+38.6	+34.9	+20.7	+29.0	+36.8



표 4-46. 서울특별시의 온난일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	34.8	55.3	62.7	67.7	76.5	84.7	79.9	86.1	91.6	59.0	72.1	88.8
		+20.5	+27.9	+32.9	+41.7	+49.9	+45.1	+51.3	+56.8	+24.2	+37.3	+54.0
강남구	35.1	55.5	62.7	68.0	76.3	84.7	79.7	85.9	91.4	59.1	72.1	88.6
		+20.4	+27.6	+32.9	+41.2	+49.6	+44.6	+50.8	+56.3	+24.0	+37.0	+53.5
강동구	35.3	54.2	61.6	66.6	74.7	83.6	78.6	84.7	90.0	57.9	70.7	87.3
		+18.9	+26.3	+31.3	+39.4	+48.3	+43.3	+49.4	+54.7	+22.6	+35.4	+52.0
강북구	34.2	54.2	61.8	66.0	74.9	83.5	78.3	84.4	89.6	58.0	70.5	87.0
		+20.0	+27.6	+31.8	+40.7	+49.3	+44.1	+50.2	+55.4	+23.8	+36.3	+52.8
강서구	34.4	55.6	62.7	67.9	77.1	84.9	80.4	87.3	92.4	59.1	72.5	89.8
		+21.2	+28.3	+33.5	+42.7	+50.5	+46.0	+52.9	+58.0	+24.7	+38.1	+55.4
관악구	34.2	55.9	63.6	68.8	77.8	85.7	81.0	87.6	93.4	59.8	73.3	90.5
		+21.7	+29.4	+34.6	+43.6	+51.5	+46.8	+53.4	+59.2	+25.6	+39.1	+56.3
광진구	35.6	55.4	62.8	67.7	76.0	84.6	79.8	85.6	91.1	59.1	71.9	88.4
		+19.8	+27.2	+32.1	+40.4	+49.0	+44.2	+50.0	+55.5	+23.5	+36.3	+52.8
구로구	34.3	54.8	62.2	67.5	76.7	84.2	79.9	86.5	92.0	58.5	72.1	89.3
		+20.5	+27.9	+33.2	+42.4	+49.9	+45.6	+52.2	+57.7	+24.2	+37.8	+55.0
금천구	34.2	55.7	63.5	68.8	78.0	86.0	81.5	88.1	93.5	59.6	73.4	90.8
		+21.5	+29.3	+34.6	+43.8	+51.8	+47.3	+53.9	+59.3	+25.4	+39.2	+56.6
노원구	34.5	54.6	62.0	66.7	75.7	84.2	79.3	85.2	90.4	58.3	71.2	87.8
		+20.1	+27.5	+32.2	+41.2	+49.7	+44.8	+50.7	+55.9	+23.8	+36.7	+53.3
도봉구	35.0	54.5	62.2	66.5	75.7	84.1	79.2	85.2	90.3	58.3	71.1	87.7
		+19.5	+27.2	+31.5	+40.7	+49.1	+44.2	+50.2	+55.3	+23.3	+36.1	+52.7
동대문구	35.3	54.9	62.4	67.1	75.7	84.1	79.2	85.2	90.6	58.6	71.4	87.9
		+19.6	+27.1	+31.8	+40.4	+48.8	+43.9	+49.9	+55.3	+23.3	+36.1	+52.6
동작구	34.7	55.8	63.3	68.4	77.2	84.8	80.2	86.6	92.3	59.6	72.8	89.4
		+21.1	+28.6	+33.7	+42.5	+50.1	+45.5	+51.9	+57.6	+24.9	+38.1	+54.7
마포구	34.4	55.7	63.0	68.3	77.1	84.9	80.2	86.5	92.4	59.3	72.7	89.4
		+21.3	+28.6	+33.9	+42.7	+50.5	+45.8	+52.1	+58.0	+24.9	+38.3	+55.0
서대문구	34.5	55.7	63.1	68.2	77.0	85.3	80.3	86.5	92.6	59.4	72.6	89.6
		+21.2	+28.6	+33.7	+42.5	+50.8	+45.8	+52.0	+58.1	+24.9	+38.1	+55.1
서초구	35.0	55.1	62.6	67.8	76.1	84.2	79.4	85.4	91.1	58.9	72.0	88.2
		+20.1	+27.6	+32.8	+41.1	+49.2	+44.4	+50.4	+56.1	+23.9	+37.0	+53.2
성동구	35.3	55.4	62.8	67.7	76.2	84.6	79.6	85.7	91.2	59.1	71.9	88.4
		+20.1	+27.5	+32.4	+40.9	+49.3	+44.3	+50.4	+55.9	+23.8	+36.6	+53.1
성북구	35.1	55.2	62.7	67.0	75.6	84.4	79.1	85.2	90.6	58.9	71.3	87.9
		+20.1	+27.6	+31.9	+40.5	+49.3	+44.0	+50.1	+55.5	+23.8	+36.2	+52.8
송파구	35.5	55.6	63.0	68.3	76.3	84.9	79.9	86.0	91.4	59.3	72.3	88.7
		+20.1	+27.5	+32.8	+40.8	+49.4	+44.4	+50.5	+55.9	+23.8	+36.8	+53.2
양천구	34.4	55.1	62.4	67.7	76.9	84.5	80.1	86.9	92.1	58.7	72.3	89.5
		+20.7	+28.0	+33.3	+42.5	+50.1	+45.7	+52.5	+57.7	+24.3	+37.9	+55.1
영등포구	34.7	55.8	63.0	68.2	77.2	84.9	80.3	86.8	92.3	59.4	72.7	89.5
		+21.1	+28.3	+33.5	+42.5	+50.2	+45.6	+52.1	+57.6	+24.7	+38.0	+54.8
용산구	35.1	55.8	63.2	68.3	76.9	84.7	80.1	86.3	92.0	59.5	72.6	89.2
		+20.7	+28.1	+33.2	+41.8	+49.6	+45.0	+51.2	+56.9	+24.4	+37.5	+54.1
은평구	34.8	55.9	63.2	68.1	77.1	85.3	80.1	86.6	92.4	59.6	72.6	89.5
		+21.1	+28.4	+33.3	+42.3	+50.5	+45.3	+51.8	+57.6	+24.8	+37.8	+54.7
종로구	35.1	55.8	63.4	68.1	76.7	85.3	80.4	86.3	92.1	59.6	72.4	89.2
		+20.7	+28.3	+33.0	+41.6	+50.2	+45.3	+51.2	+57.0	+24.5	+37.3	+54.1
중구	35.3	55.9	63.6	68.3	76.9	85.2	80.4	86.4	92.0	59.8	72.6	89.2
		+20.6	+28.3	+33.0	+41.6	+49.9	+45.1	+51.1	+56.7	+24.5	+37.3	+53.9
종랑구	34.7	54.6	62.0	66.9	75.5	84.1	79.1	85.1	90.5	58.3	71.2	87.8
		+19.9	+27.3	+32.2	+40.8	+49.4	+44.4	+50.4	+55.8	+23.6	+36.5	+53.1

표 4-47. 서울특별시의 온난일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	34.8	54.7	60.9	75.2	83.7	92.7	99.0	114.6	120.4	57.8	79.4	117.5
		+19.9	+26.1	+40.4	+48.9	+57.9	+64.2	+79.8	+85.6	+23.0	+44.6	+82.7
강남구	35.1	55.2	60.7	75.5	83.8	92.2	98.7	114.0	120.2	57.9	79.7	117.1
		+20.1	+25.6	+40.4	+48.7	+57.1	+63.6	+78.9	+85.1	+22.8	+44.6	+82.0
강동구	35.3	54.5	59.1	74.7	82.7	90.9	97.4	112.8	119.4	56.8	78.7	116.1
		+19.2	+23.8	+39.4	+47.4	+55.6	+62.1	+77.5	+84.1	+21.5	+43.4	+80.8
강북구	34.2	54.0	59.9	74.4	82.4	91.1	97.2	112.7	119.0	57.0	78.4	115.8
		+19.8	+25.7	+40.2	+48.2	+56.9	+63.0	+78.5	+84.8	+22.8	+44.2	+81.6
강서구	34.4	54.2	61.4	74.9	84.0	93.7	100.0	115.7	120.8	57.8	79.5	118.2
		+19.8	+27.0	+40.5	+49.6	+59.3	+65.6	+81.3	+86.4	+23.4	+45.1	+83.8
관악구	34.2	54.8	61.9	75.7	84.6	94.2	100.6	116.5	122.0	58.3	80.2	119.2
		+20.6	+27.7	+41.5	+50.4	+60.0	+66.4	+82.3	+87.8	+24.1	+46.0	+85.0
광진구	35.6	55.3	60.5	75.4	83.6	92.0	98.4	113.8	120.3	57.9	79.5	117.0
		+19.7	+24.9	+39.8	+48.0	+56.4	+62.8	+78.2	+84.7	+22.3	+43.9	+81.4
구로구	34.3	53.5	60.5	74.3	83.2	93.1	99.2	115.2	120.0	57.0	78.8	117.6
		+19.2	+26.2	+40.0	+48.9	+58.8	+64.9	+80.9	+85.7	+22.7	+44.5	+83.3
금천구	34.2	54.4	61.6	75.8	84.9	94.7	101.0	117.3	121.8	58.0	80.4	119.5
		+20.2	+27.4	+41.6	+50.7	+60.5	+66.8	+83.1	+87.6	+23.8	+46.2	+85.3
노원구	34.5	54.6	60.1	75.0	83.4	91.7	98.1	113.4	120.0	57.4	79.2	116.7
		+20.1	+25.6	+40.5	+48.9	+57.2	+63.6	+78.9	+85.5	+22.9	+44.7	+82.2
도봉구	35.0	54.4	60.3	75.0	83.2	91.6	98.1	113.4	119.9	57.4	79.1	116.6
		+19.4	+25.3	+40.0	+48.2	+56.6	+63.1	+78.4	+84.9	+22.4	+44.1	+81.6
동대문구	35.3	54.7	60.2	75.0	83.3	91.8	97.9	113.3	119.8	57.5	79.1	116.5
		+19.4	+24.9	+39.7	+48.0	+56.5	+62.6	+78.0	+84.5	+22.2	+43.8	+81.2
동작구	34.7	54.9	61.5	75.3	83.8	93.2	99.6	115.3	120.7	58.2	79.6	118.0
		+20.2	+26.8	+40.6	+49.1	+58.5	+64.9	+80.6	+86.0	+23.5	+44.9	+83.3
마포구	34.4	54.8	61.7	75.3	84.0	93.2	99.8	115.5	120.8	58.3	79.7	118.2
		+20.4	+27.3	+40.9	+49.6	+58.8	+65.4	+81.1	+86.4	+23.9	+45.3	+83.8
서대문구	34.5	54.8	61.8	75.6	84.1	93.5	100.1	115.5	121.3	58.3	79.9	118.4
		+20.3	+27.3	+41.1	+49.6	+59.0	+65.6	+81.0	+86.8	+23.8	+45.4	+83.9
서초구	35.0	54.6	60.6	74.9	83.3	92.0	98.4	113.8	119.5	57.6	79.1	116.7
		+19.6	+25.6	+39.9	+48.3	+57.0	+63.4	+78.8	+84.5	+22.6	+44.1	+81.7
성동구	35.3	55.0	60.6	75.3	83.7	92.3	98.6	114.0	120.0	57.8	79.5	117.0
		+19.7	+25.3	+40.0	+48.4	+57.0	+63.3	+78.7	+84.7	+22.5	+44.2	+81.7
성북구	35.1	54.8	60.6	75.0	83.2	91.9	98.0	113.4	119.5	57.7	79.1	116.5
		+19.7	+25.5	+39.9	+48.1	+56.8	+62.9	+78.3	+84.4	+22.6	+44.0	+81.4
송파구	35.5	55.6	60.6	75.8	83.9	92.2	98.7	114.1	120.4	58.1	79.8	117.2
		+20.1	+25.1	+40.3	+48.4	+56.7	+63.2	+78.6	+84.9	+22.6	+44.3	+81.7
양천구	34.4	53.9	61.1	74.6	83.7	93.3	99.5	115.5	120.3	57.5	79.1	117.9
		+19.5	+26.7	+40.2	+49.3	+58.9	+65.1	+81.1	+85.9	+23.1	+44.7	+83.5
영등포구	34.7	54.8	61.6	75.2	84.0	93.3	99.6	115.3	120.5	58.2	79.6	117.9
		+20.1	+26.9	+40.5	+49.3	+58.6	+64.9	+80.6	+85.8	+23.5	+44.9	+83.2
용산구	35.1	55.0	61.5	75.4	83.8	92.9	99.5	114.9	120.6	58.2	79.6	117.8
		+19.9	+26.4	+40.3	+48.7	+57.8	+64.4	+79.8	+85.5	+23.1	+44.5	+82.7
은평구	34.8	54.8	62.0	75.8	84.2	93.5	100.2	115.3	121.0	58.4	80.0	118.2
		+20.0	+27.2	+41.0	+49.4	+58.7	+65.4	+80.5	+86.2	+23.6	+45.2	+83.4
종로구	35.1	55.2	61.5	75.6	84.1	93.1	99.6	115.1	120.9	58.3	79.9	118.0
		+20.1	+26.4	+40.5	+49.0	+58.0	+64.5	+80.0	+85.8	+23.2	+44.8	+82.9
중구	35.3	55.3	61.5	75.6	84.2	93.0	99.6	115.0	120.7	58.4	79.9	117.8
		+20.0	+26.2	+40.3	+48.9	+57.7	+64.3	+79.7	+85.4	+23.1	+44.6	+82.5
종량구	34.7	54.7	59.9	74.8	83.2	91.6	97.8	113.4	120.1	57.3	79.0	116.7
		+20.0	+25.2	+40.1	+48.5	+56.9	+63.1	+78.7	+85.4	+22.6	+44.3	+82.0

표 4-48. 서울특별시의 온난일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	34.8	56.1	62.3	82.3	83.3	102.6	114.3	128.0	140.1	59.2	82.8	134.0
		+21.3	+27.5	+47.5	+48.5	+67.8	+79.5	+93.2	+105.3	+24.4	+48.0	+99.2
강남구	35.1	56.3	62.6	82.1	83.1	102.2	113.6	127.6	139.5	59.4	82.6	133.5
		+21.2	+27.5	+47.0	+48.0	+67.1	+78.5	+92.5	+104.4	+24.3	+47.5	+98.4
강동구	35.3	55.0	60.8	80.8	81.0	101.4	112.3	126.7	139.1	57.9	80.9	132.9
		+19.7	+25.5	+45.5	+45.7	+66.1	+77.0	+91.4	+103.8	+22.6	+45.6	+97.6
강북구	34.2	55.3	61.1	80.9	81.5	101.5	112.9	126.5	139.0	58.2	81.2	132.7
		+21.1	+26.9	+46.7	+47.3	+67.3	+78.7	+92.3	+104.8	+24.0	+47.0	+98.5
강서구	34.4	56.3	62.4	83.0	84.4	102.9	114.9	128.5	140.4	59.3	83.7	134.4
		+21.9	+28.0	+48.6	+50.0	+68.5	+80.5	+94.1	+106.0	+24.9	+49.3	+100.0
관악구	34.2	56.8	63.2	83.4	85.0	103.6	116.0	129.6	141.3	60.0	84.2	135.4
		+22.6	+29.0	+49.2	+50.8	+69.4	+81.8	+95.4	+107.1	+25.8	+50.0	+101.2
광진구	35.6	56.1	62.4	81.9	82.7	102.1	113.5	127.3	139.7	59.2	82.3	133.5
		+20.5	+26.8	+46.3	+47.1	+66.5	+77.9	+91.7	+104.1	+23.6	+46.7	+97.9
구로구	34.3	55.6	61.8	82.7	83.7	102.3	114.3	127.5	139.3	58.7	83.2	133.4
		+21.3	+27.5	+48.4	+49.4	+68.0	+80.0	+93.2	+105.0	+24.4	+48.9	+99.1
금천구	34.2	56.8	63.1	83.8	85.5	103.8	115.9	129.5	141.1	59.9	84.7	135.3
		+22.6	+28.9	+49.6	+51.3	+69.6	+81.7	+95.3	+106.9	+25.7	+50.5	+101.1
노원구	34.5	55.4	61.5	81.7	82.0	102.6	113.8	127.7	140.4	58.4	81.8	134.0
		+20.9	+27.0	+47.2	+47.5	+68.1	+79.3	+93.2	+105.9	+23.9	+47.3	+99.5
도봉구	35.0	55.4	61.4	81.8	81.9	102.5	113.9	127.4	140.2	58.4	81.9	133.8
		+20.4	+26.4	+46.8	+46.9	+67.5	+78.9	+92.4	+105.2	+23.4	+46.9	+98.8
동대문구	35.3	55.7	61.8	81.6	82.4	102.2	113.3	127.2	139.7	58.8	82.0	133.4
		+20.4	+26.5	+46.3	+47.1	+66.9	+78.0	+91.9	+104.4	+23.5	+46.7	+98.1
동작구	34.7	56.6	62.7	82.8	84.0	102.7	114.8	128.3	140.0	59.6	83.4	134.2
		+21.9	+28.0	+48.1	+49.3	+68.0	+80.1	+93.6	+105.3	+24.9	+48.7	+99.5
마포구	34.4	56.4	62.6	82.9	84.0	103.0	115.2	128.8	140.8	59.5	83.5	134.8
		+22.0	+28.2	+48.5	+49.6	+68.6	+80.8	+94.4	+106.4	+25.1	+49.1	+100.4
서대문구	34.5	56.5	62.8	82.9	84.2	103.5	115.6	129.1	141.3	59.6	83.6	135.2
		+22.0	+28.3	+48.4	+49.7	+69.0	+81.1	+94.6	+106.8	+25.1	+49.1	+100.7
서초구	35.0	56.1	62.1	81.8	83.0	101.8	113.3	127.0	138.8	59.1	82.4	132.9
		+21.1	+27.1	+46.8	+48.0	+66.8	+78.3	+92.0	+103.8	+24.1	+47.4	+97.9
성동구	35.3	56.1	62.4	82.1	83.2	102.5	113.9	127.6	139.8	59.2	82.6	133.7
		+20.8	+27.1	+46.8	+47.9	+67.2	+78.6	+92.3	+104.5	+23.9	+47.3	+98.4
성북구	35.1	55.9	61.9	81.6	82.6	102.2	113.5	127.3	139.5	58.9	82.1	133.4
		+20.8	+26.8	+46.5	+47.5	+67.1	+78.4	+92.2	+104.4	+23.8	+47.0	+98.3
송파구	35.5	56.4	62.4	82.1	82.9	102.4	113.6	127.9	140.0	59.4	82.5	134.0
		+20.9	+26.9	+46.6	+47.4	+66.9	+78.1	+92.4	+104.5	+23.9	+47.0	+98.5
양천구	34.4	56.0	62.1	82.9	84.0	102.5	114.5	127.9	139.8	59.0	83.5	133.9
		+21.6	+27.7	+48.5	+49.6	+68.1	+80.1	+93.5	+105.4	+24.6	+49.1	+99.5
영등포구	34.7	56.4	62.6	82.8	84.1	102.7	114.7	128.2	139.9	59.5	83.5	134.1
		+21.7	+27.9	+48.1	+49.4	+68.0	+80.0	+93.5	+105.2	+24.8	+48.8	+99.4
용산구	35.1	56.5	62.8	82.7	83.8	102.9	114.8	128.2	140.2	59.6	83.2	134.2
		+21.4	+27.7	+47.6	+48.7	+67.8	+79.7	+93.1	+105.1	+24.5	+48.1	+99.1
은평구	34.8	56.5	62.9	83.0	84.1	103.5	115.5	128.7	141.1	59.7	83.5	134.9
		+21.7	+28.1	+48.2	+49.3	+68.7	+80.7	+93.9	+106.3	+24.9	+48.7	+100.1
종로구	35.1	56.6	62.8	82.7	83.9	103.3	115.1	128.7	140.9	59.7	83.3	134.8
		+21.5	+27.7	+47.6	+48.8	+68.2	+80.0	+93.6	+105.8	+24.6	+48.2	+99.7
중구	35.3	56.7	62.8	82.8	84.0	103.2	115.0	128.5	140.5	59.7	83.4	134.5
		+21.4	+27.5	+47.5	+48.7	+67.9	+79.7	+93.2	+105.2	+24.4	+48.1	+99.2
종랑구	34.7	55.5	61.5	81.3	81.9	102.3	113.4	127.4	140.1	58.5	81.6	133.8
		+20.8	+26.8	+46.6	+47.2	+67.6	+78.7	+92.7	+105.4	+23.8	+46.9	+99.1

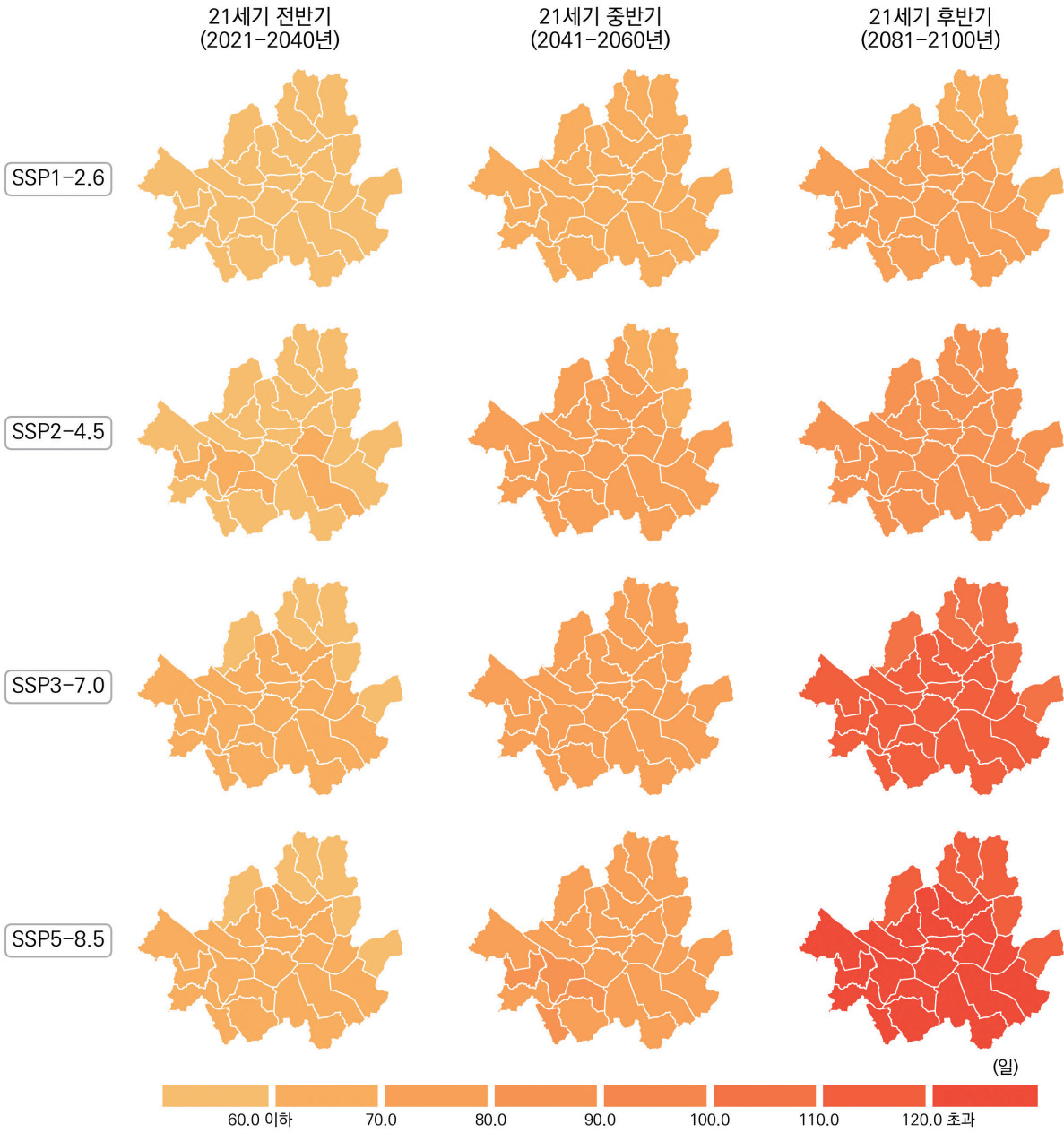


그림 4-22. 서울특별시의 온난야(일) 전망 분포도

표 4-49. 서울특별시의 온난야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.3	55.8	59.9	65.7	66.1	68.2	70.9	71.5	69.0	57.8	65.9	70.2
		+20.5	+24.6	+30.4	+30.8	+32.9	+35.6	+36.2	+33.7	+22.5	+30.6	+34.9
강남구	35.5	56.2	60.6	66.5	67.0	68.9	71.9	72.7	70.1	58.4	66.8	71.4
		+20.7	+25.1	+31.0	+31.5	+33.4	+36.4	+37.2	+34.6	+22.9	+31.3	+35.9
강동구	35.4	54.5	58.6	64.2	64.4	66.8	69.2	70.1	67.2	56.6	64.3	68.7
		+19.1	+23.2	+28.8	+29.0	+31.4	+33.8	+34.7	+31.8	+21.2	+28.9	+33.3
강북구	35.7	55.3	59.4	65.0	65.7	67.9	70.3	70.8	68.5	57.3	65.3	69.6
		+19.6	+23.7	+29.3	+30.0	+32.2	+34.6	+35.1	+32.8	+21.6	+29.6	+33.9
강서구	35.1	56.3	60.2	66.2	66.4	68.5	71.0	71.7	69.3	58.3	66.3	70.5
		+21.2	+25.1	+31.1	+31.3	+33.4	+35.9	+36.6	+34.2	+23.2	+31.2	+35.4
관악구	34.9	56.0	60.3	66.2	66.4	68.3	71.4	71.8	69.5	58.2	66.3	70.7
		+21.1	+25.4	+31.3	+31.5	+33.4	+36.5	+36.9	+34.6	+23.3	+31.4	+35.8
광진구	35.6	55.9	60.3	65.9	66.3	68.5	71.1	72.2	69.5	58.1	66.1	70.8
		+20.3	+24.7	+30.3	+30.7	+32.9	+35.5	+36.6	+33.9	+22.5	+30.5	+35.2
구로구	35.1	56.2	60.2	66.2	66.4	68.3	70.9	71.6	69.2	58.2	66.3	70.4
		+21.1	+25.1	+31.1	+31.3	+33.2	+35.8	+36.5	+34.1	+23.1	+31.2	+35.3
금천구	34.7	56.3	60.5	66.8	66.8	68.7	71.6	72.2	69.7	58.4	66.8	70.9
		+21.6	+25.8	+32.1	+32.1	+34.0	+36.9	+37.5	+35.0	+23.7	+32.1	+36.2
노원구	35.5	54.0	58.0	63.6	64.1	66.3	68.9	69.2	66.3	56.0	63.8	67.7
		+18.5	+22.5	+28.1	+28.6	+30.8	+33.4	+33.7	+30.8	+20.5	+28.3	+32.2
도봉구	35.6	54.3	58.2	63.7	64.3	66.5	69.1	69.1	66.5	56.2	64.0	67.8
		+18.7	+22.6	+28.1	+28.7	+30.9	+33.5	+33.5	+30.9	+20.6	+28.4	+32.2
동대문구	35.8	55.8	60.1	65.6	66.1	68.5	71.0	71.9	69.3	57.9	65.9	70.6
		+20.0	+24.3	+29.8	+30.3	+32.7	+35.2	+36.1	+33.5	+22.1	+30.1	+34.8
동작구	35.1	56.6	60.9	66.9	67.0	69.1	72.0	72.5	70.1	58.7	67.0	71.3
		+21.5	+25.8	+31.8	+31.9	+34.0	+36.9	+37.4	+35.0	+23.6	+31.9	+36.2
마포구	35.1	56.2	60.2	66.2	66.4	68.7	71.1	71.9	69.6	58.2	66.3	70.7
		+21.1	+25.1	+31.1	+31.3	+33.6	+36.0	+36.8	+34.5	+23.1	+31.2	+35.6
서대문구	35.3	55.9	59.9	65.6	66.1	68.2	70.8	71.3	69.1	57.9	65.8	70.2
		+20.6	+24.6	+30.3	+30.8	+32.9	+35.5	+36.0	+33.8	+22.6	+30.5	+34.9
서초구	35.5	55.8	60.0	65.7	66.2	68.3	71.2	71.6	69.1	57.9	65.9	70.3
		+20.3	+24.5	+30.2	+30.7	+32.8	+35.7	+36.1	+33.6	+22.4	+30.4	+34.8
성동구	35.5	56.2	60.6	66.3	66.7	69.0	71.7	72.5	69.9	58.4	66.5	71.2
		+20.7	+25.1	+30.8	+31.2	+33.5	+36.2	+37.0	+34.4	+22.9	+31.0	+35.7
성북구	35.6	55.6	59.9	65.3	66.0	68.3	70.9	71.5	69.0	57.8	65.6	70.2
		+20.0	+24.3	+29.7	+30.4	+32.7	+35.3	+35.9	+33.4	+22.2	+30.0	+34.6
송파구	35.8	55.7	60.1	65.8	66.3	68.3	70.9	72.0	69.4	57.9	66.1	70.7
		+19.9	+24.3	+30.0	+30.5	+32.5	+35.1	+36.2	+33.6	+22.1	+30.3	+34.9
양천구	35.5	56.8	60.8	67.0	67.0	69.1	71.7	72.4	70.1	58.8	67.0	71.2
		+21.3	+25.3	+31.5	+31.5	+33.6	+36.2	+36.9	+34.6	+23.3	+31.5	+35.7
영등포구	35.0	57.1	61.3	67.5	67.6	69.5	72.4	73.0	70.7	59.2	67.5	71.8
		+22.1	+26.3	+32.5	+32.6	+34.5	+37.4	+38.0	+35.7	+24.2	+32.5	+36.8
용산구	34.9	56.4	60.5	66.4	66.7	69.0	71.8	72.3	70.0	58.4	66.6	71.1
		+21.5	+25.6	+31.5	+31.8	+34.1	+36.9	+37.4	+35.1	+23.5	+31.7	+36.2
은평구	35.3	54.9	58.8	64.2	64.9	67.0	69.6	69.9	67.3	56.8	64.5	68.6
		+19.6	+23.5	+28.9	+29.6	+31.7	+34.3	+34.6	+32.0	+21.5	+29.2	+33.3
종로구	35.2	56.0	60.3	65.8	66.3	68.7	71.4	72.0	69.6	58.1	66.1	70.8
		+20.8	+25.1	+30.6	+31.1	+33.5	+36.2	+36.8	+34.4	+22.9	+30.9	+35.6
중구	35.2	55.9	60.1	65.6	66.0	68.4	71.2	71.8	69.3	58.0	65.8	70.5
		+20.7	+24.9	+30.4	+30.8	+33.2	+36.0	+36.6	+34.1	+22.8	+30.6	+35.3
종랑구	35.6	54.1	58.4	63.7	64.0	66.3	68.9	69.4	66.3	56.2	63.9	67.9
		+18.5	+22.8	+28.1	+28.4	+30.7	+33.3	+33.8	+30.7	+20.6	+28.3	+32.3

표 4-50. 서울특별시의 온난야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.3	56.0	62.8	69.6	73.7	79.5	79.2	85.8	89.4	59.4	71.7	87.6
		+20.7	+27.5	+34.3	+38.4	+44.2	+43.9	+50.5	+54.1	+24.1	+36.4	+52.3
강남구	35.5	56.7	63.7	70.7	74.7	80.9	80.5	87.2	90.7	60.2	72.7	88.9
		+21.2	+28.2	+35.2	+39.2	+45.4	+45.0	+51.7	+55.2	+24.7	+37.2	+53.4
강동구	35.4	55.0	61.7	68.8	71.8	77.5	77.5	83.9	87.3	58.4	70.3	85.6
		+19.6	+26.3	+33.4	+36.4	+42.1	+42.1	+48.5	+51.9	+23.0	+34.9	+50.2
강북구	35.7	55.6	62.3	69.3	72.9	78.7	78.6	85.1	88.8	58.9	71.1	87.0
		+19.9	+26.6	+33.6	+37.2	+43.0	+42.9	+49.4	+53.1	+23.2	+35.4	+51.3
강서구	35.1	56.2	63.0	69.6	74.3	79.5	79.5	85.9	89.6	59.6	71.9	87.8
		+21.1	+27.9	+34.5	+39.2	+44.4	+44.4	+50.8	+54.5	+24.5	+36.8	+52.7
관악구	34.9	56.1	63.0	69.7	74.3	80.0	79.8	86.6	90.0	59.6	72.0	88.3
		+21.2	+28.1	+34.8	+39.4	+45.1	+44.9	+51.7	+55.1	+24.7	+37.1	+53.4
광진구	35.6	56.4	63.3	70.4	74.3	80.4	79.9	86.5	90.2	59.9	72.4	88.4
		+20.8	+27.7	+34.8	+38.7	+44.8	+44.3	+50.9	+54.6	+24.3	+36.8	+52.8
구로구	35.1	56.2	63.0	69.5	74.0	79.6	79.3	86.1	89.6	59.6	71.8	87.8
		+21.1	+27.9	+34.4	+38.9	+44.5	+44.2	+51.0	+54.5	+24.5	+36.7	+52.7
금천구	34.7	56.4	63.3	70.0	74.6	80.3	80.0	87.1	90.2	59.8	72.3	88.7
		+21.7	+28.6	+35.3	+39.9	+45.6	+45.3	+52.4	+55.5	+25.1	+37.6	+54.0
노원구	35.5	54.3	60.9	67.8	71.0	76.5	76.6	82.8	86.3	57.6	69.4	84.6
		+18.8	+25.4	+32.3	+35.5	+41.0	+41.1	+47.3	+50.8	+22.1	+33.9	+49.1
도봉구	35.6	54.4	61.1	67.9	71.2	76.7	76.8	83.2	86.7	57.7	69.5	85.0
		+18.8	+25.5	+32.3	+35.6	+41.1	+41.2	+47.6	+51.1	+22.1	+33.9	+49.4
동대문구	35.8	56.3	63.2	70.1	74.0	79.9	79.6	86.1	89.7	59.7	72.1	87.9
		+20.5	+27.4	+34.3	+38.2	+44.1	+43.8	+50.3	+53.9	+23.9	+36.3	+52.1
동작구	35.1	56.7	63.5	70.4	75.1	80.9	80.6	87.2	91.0	60.1	72.7	89.1
		+21.6	+28.4	+35.3	+40.0	+45.8	+45.5	+52.1	+55.9	+25.0	+37.6	+54.0
마포구	35.1	56.3	63.1	69.7	74.1	80.0	79.8	86.4	90.0	59.7	71.9	88.2
		+21.2	+28.0	+34.6	+39.0	+44.9	+44.7	+51.3	+54.9	+24.6	+36.8	+53.1
서대문구	35.3	56.1	62.7	69.3	73.7	79.3	79.1	85.9	89.5	59.4	71.5	87.7
		+20.8	+27.4	+34.0	+38.4	+44.0	+43.8	+50.6	+54.2	+24.1	+36.2	+52.4
서초구	35.5	56.0	62.9	69.7	73.6	79.7	79.2	85.8	89.7	59.5	71.7	87.7
		+20.5	+27.4	+34.2	+38.1	+44.2	+43.7	+50.3	+54.2	+24.0	+36.2	+52.2
성동구	35.5	56.6	63.5	70.6	74.6	80.8	80.4	87.0	90.6	60.1	72.6	88.8
		+21.1	+28.0	+35.1	+39.1	+45.3	+44.9	+51.5	+55.1	+24.6	+37.1	+53.3
성북구	35.6	56.0	62.8	69.8	73.6	79.5	79.2	85.7	89.4	59.4	71.7	87.5
		+20.4	+27.2	+34.2	+38.0	+43.9	+43.6	+50.1	+53.8	+23.8	+36.1	+51.9
송파구	35.8	56.3	63.1	70.3	73.9	79.8	79.6	86.2	89.8	59.7	72.1	88.0
		+20.5	+27.3	+34.5	+38.1	+44.0	+43.8	+50.4	+54.0	+23.9	+36.3	+52.2
양천구	35.5	56.8	63.6	70.2	74.8	80.2	80.2	86.8	90.3	60.2	72.5	88.5
		+21.3	+28.1	+34.7	+39.3	+44.7	+44.7	+51.3	+54.8	+24.7	+37.0	+53.0
영등포구	35.0	57.1	63.9	70.6	75.6	81.4	81.2	87.8	91.3	60.5	73.1	89.5
		+22.1	+28.9	+35.6	+40.6	+46.4	+46.2	+52.8	+56.3	+25.5	+38.1	+54.5
용산구	34.9	56.6	63.4	70.1	74.7	80.7	80.3	86.9	90.6	60.0	72.4	88.7
		+21.7	+28.5	+35.2	+39.8	+45.8	+45.4	+52.0	+55.7	+25.1	+37.5	+53.8
은평구	35.3	54.9	61.6	68.2	72.0	77.5	77.6	83.9	87.8	58.2	70.1	85.9
		+19.6	+26.3	+32.9	+36.7	+42.2	+42.3	+48.6	+52.5	+22.9	+34.8	+50.6
종로구	35.2	56.4	63.1	69.9	74.1	80.0	79.7	86.4	90.1	59.7	72.0	88.2
		+21.2	+27.9	+34.7	+38.9	+44.8	+44.5	+51.2	+54.9	+24.5	+36.8	+53.0
중구	35.2	56.3	63.0	69.9	73.9	79.9	79.4	86.1	89.8	59.6	71.9	87.9
		+21.1	+27.8	+34.7	+38.7	+44.7	+44.2	+50.9	+54.6	+24.4	+36.7	+52.7
종량구	35.6	54.6	61.5	68.3	71.4	76.9	76.9	83.1	86.5	58.0	69.9	84.8
		+19.0	+25.9	+32.7	+35.8	+41.3	+41.3	+47.5	+50.9	+22.4	+34.3	+49.2

표 4-51. 서울특별시의 온난야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.3	58.6	61.9	72.4	80.4	90.1	94.8	108.0	112.8	60.3	76.4	110.4
		+23.3	+26.6	+37.1	+45.1	+54.8	+59.5	+72.7	+77.5	+25.0	+41.1	+75.1
강남구	35.5	59.5	62.7	73.4	81.7	91.9	96.4	109.8	114.7	61.1	77.6	112.2
		+24.0	+27.2	+37.9	+46.2	+56.4	+60.9	+74.3	+79.2	+25.6	+42.1	+76.7
강동구	35.4	57.6	61.0	71.2	78.8	88.0	92.5	105.7	110.1	59.3	75.0	107.9
		+22.2	+25.6	+35.8	+43.4	+52.6	+57.1	+70.3	+74.7	+23.9	+39.6	+72.5
강북구	35.7	58.2	61.5	72.1	79.9	89.1	93.7	107.2	111.4	59.8	76.0	109.3
		+22.5	+25.8	+36.4	+44.2	+53.4	+58.0	+71.5	+75.7	+24.1	+40.3	+73.6
강서구	35.1	58.6	62.3	72.3	80.3	90.0	95.4	108.2	113.2	60.4	76.3	110.7
		+23.5	+27.2	+37.2	+45.2	+54.9	+60.3	+73.1	+78.1	+25.3	+41.2	+75.6
관악구	34.9	58.9	61.9	72.7	80.7	90.8	96.0	108.9	114.2	60.4	76.7	111.5
		+24.0	+27.0	+37.8	+45.8	+55.9	+61.1	+74.0	+79.3	+25.5	+41.8	+76.6
광진구	35.6	59.2	62.6	73.1	81.2	91.0	95.6	109.2	114.0	60.9	77.2	111.6
		+23.6	+27.0	+37.5	+45.6	+55.4	+60.0	+73.6	+78.4	+25.3	+41.6	+76.0
구로구	35.1	58.5	62.0	72.2	80.2	89.9	95.1	108.1	112.9	60.3	76.2	110.5
		+23.4	+26.9	+37.1	+45.1	+54.8	+60.0	+73.0	+77.8	+25.2	+41.1	+75.4
금천구	34.7	58.8	62.4	72.8	80.9	90.8	96.3	109.2	114.2	60.6	76.8	111.7
		+24.1	+27.7	+38.1	+46.2	+56.1	+61.6	+74.5	+79.5	+25.9	+42.1	+77.0
노원구	35.5	56.8	60.1	70.5	77.8	86.8	91.1	104.2	108.4	58.5	74.2	106.3
		+21.3	+24.6	+35.0	+42.3	+51.3	+55.6	+68.7	+72.9	+23.0	+38.7	+70.8
도봉구	35.6	57.0	60.1	70.8	78.0	87.0	91.4	104.7	108.8	58.5	74.4	106.7
		+21.4	+24.5	+35.2	+42.4	+51.4	+55.8	+69.1	+73.2	+22.9	+38.8	+71.1
동대문구	35.8	58.9	62.4	72.9	80.9	90.4	94.9	108.5	112.9	60.6	76.9	110.7
		+23.1	+26.6	+37.1	+45.1	+54.6	+59.1	+72.7	+77.1	+24.8	+41.1	+74.9
동작구	35.1	59.2	62.6	73.4	81.6	91.8	97.0	109.9	115.1	60.9	77.5	112.5
		+24.1	+27.5	+38.3	+46.5	+56.7	+61.9	+74.8	+80.0	+25.8	+42.4	+77.4
마포구	35.1	58.7	62.1	73.0	80.9	90.8	95.9	108.9	113.9	60.4	76.9	111.4
		+23.6	+27.0	+37.9	+45.8	+55.7	+60.8	+73.8	+78.8	+25.3	+41.8	+76.3
서대문구	35.3	58.6	61.6	72.4	80.5	90.2	94.9	108.1	112.8	60.1	76.4	110.4
		+23.3	+26.3	+37.1	+45.2	+54.9	+59.6	+72.8	+77.5	+24.8	+41.1	+75.1
서초구	35.5	59.1	61.8	72.5	80.5	90.3	94.7	107.9	112.7	60.4	76.5	110.3
		+23.6	+26.3	+37.0	+45.0	+54.8	+59.2	+72.4	+77.2	+24.9	+41.0	+74.8
성동구	35.5	59.4	62.8	73.5	81.7	91.5	96.1	109.5	114.4	61.1	77.6	112.0
		+23.9	+27.3	+38.0	+46.2	+56.0	+60.6	+74.0	+78.9	+25.6	+42.1	+76.5
성북구	35.6	58.7	61.9	72.6	80.6	90.0	94.5	108.0	112.4	60.3	76.6	110.2
		+23.1	+26.3	+37.0	+45.0	+54.4	+58.9	+72.4	+76.8	+24.7	+41.0	+74.6
송파구	35.8	59.0	62.4	72.8	81.0	90.7	95.2	108.7	113.4	60.7	76.9	111.0
		+23.2	+26.6	+37.0	+45.2	+54.9	+59.4	+72.9	+77.6	+24.9	+41.1	+75.2
양천구	35.5	59.1	62.8	73.0	81.0	90.8	96.2	109.0	114.0	61.0	77.0	111.5
		+23.6	+27.3	+37.5	+45.5	+55.3	+60.7	+73.5	+78.5	+25.5	+41.5	+76.0
영등포구	35.0	59.4	63.1	73.8	82.0	92.1	97.8	110.4	115.8	61.2	77.9	113.1
		+24.4	+28.1	+38.8	+47.0	+57.1	+62.8	+75.4	+80.8	+26.2	+42.9	+78.1
용산구	34.9	59.2	62.5	73.4	81.3	91.5	96.5	109.6	114.6	60.8	77.4	112.1
		+24.3	+27.6	+38.5	+46.4	+56.6	+61.6	+74.7	+79.7	+25.9	+42.5	+77.2
은평구	35.3	57.5	60.4	71.0	78.7	87.9	92.4	105.5	110.1	59.0	74.8	107.8
		+22.2	+25.1	+35.7	+43.4	+52.6	+57.1	+70.2	+74.8	+23.7	+39.5	+72.5
종로구	35.2	58.9	62.1	72.9	81.1	90.9	95.4	108.7	113.5	60.5	77.0	111.1
		+23.7	+26.9	+37.7	+45.9	+55.7	+60.2	+73.5	+78.3	+25.3	+41.8	+75.9
중구	35.2	59.0	62.1	72.7	80.8	90.5	94.8	108.3	113.0	60.6	76.7	110.7
		+23.8	+26.9	+37.5	+45.6	+55.3	+59.6	+73.1	+77.8	+25.4	+41.5	+75.5
종랑구	35.6	57.1	60.5	70.7	78.0	86.9	91.5	104.6	108.9	58.8	74.3	106.8
		+21.5	+24.9	+35.1	+42.4	+51.3	+55.9	+69.0	+73.3	+23.2	+38.7	+71.2

표 4-52. 서울특별시의 온난야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.3	57.7	62.6	78.6	78.8	95.6	103.1	117.3	124.9	60.1	78.7	121.1
		+22.4	+27.3	+43.3	+43.5	+60.3	+67.8	+82.0	+89.6	+24.8	+43.4	+85.8
강남구	35.5	58.4	63.4	79.9	79.9	97.0	104.6	119.1	126.9	60.9	79.9	123.0
		+22.9	+27.9	+44.4	+44.4	+61.5	+69.1	+83.6	+91.4	+25.4	+44.4	+87.5
강동구	35.4	56.6	61.5	76.6	76.5	93.5	100.6	114.0	121.3	59.0	76.5	117.6
		+21.2	+26.1	+41.2	+41.1	+58.1	+65.2	+78.6	+85.9	+23.6	+41.1	+82.2
강북구	35.7	57.2	62.3	77.5	77.8	94.7	101.9	116.0	123.4	59.8	77.7	119.7
		+21.5	+26.6	+41.8	+42.1	+59.0	+66.2	+80.3	+87.7	+24.1	+42.0	+84.0
강서구	35.1	57.9	62.7	79.1	79.6	95.8	103.4	117.3	125.1	60.3	79.4	121.2
		+22.8	+27.6	+44.0	+44.5	+60.7	+68.3	+82.2	+90.0	+25.2	+44.3	+86.1
관악구	34.9	57.9	62.7	79.4	79.7	96.6	104.5	119.0	126.9	60.3	79.5	123.0
		+23.0	+27.8	+44.5	+44.8	+61.7	+69.6	+84.1	+92.0	+25.4	+44.6	+88.1
광진구	35.6	58.1	63.1	79.2	79.2	96.3	103.8	118.1	125.9	60.6	79.2	122.0
		+22.5	+27.5	+43.6	+43.6	+60.7	+68.2	+82.5	+90.3	+25.0	+43.6	+86.4
구로구	35.1	57.8	62.4	79.0	79.6	95.7	103.4	117.2	125.1	60.1	79.3	121.1
		+22.7	+27.3	+43.9	+44.5	+60.6	+68.3	+82.1	+90.0	+25.0	+44.2	+86.0
금천구	34.7	58.1	62.6	80.0	80.4	96.9	104.8	119.0	127.1	60.4	80.2	123.0
		+23.4	+27.9	+45.3	+45.7	+62.2	+70.1	+84.3	+92.4	+25.7	+45.5	+88.3
노원구	35.5	56.1	60.8	75.5	75.4	92.4	99.2	112.4	119.5	58.5	75.5	116.0
		+20.6	+25.3	+40.0	+39.9	+56.9	+63.7	+76.9	+84.0	+23.0	+40.0	+80.5
도봉구	35.6	56.2	61.0	75.9	75.8	92.7	99.7	112.9	120.2	58.6	75.8	116.6
		+20.6	+25.4	+40.3	+40.2	+57.1	+64.1	+77.3	+84.6	+23.0	+40.2	+81.0
동대문구	35.8	58.0	63.2	78.6	78.7	95.8	103.0	117.3	124.9	60.6	78.7	121.1
		+22.2	+27.4	+42.8	+42.9	+60.0	+67.2	+81.5	+89.1	+24.8	+42.9	+85.3
동작구	35.1	58.4	63.3	80.1	80.5	97.4	105.4	119.9	127.7	60.8	80.3	123.8
		+23.3	+28.2	+45.0	+45.4	+62.3	+70.3	+84.8	+92.6	+25.7	+45.2	+88.7
마포구	35.1	58.0	62.8	79.4	79.7	96.5	104.2	118.7	126.4	60.4	79.6	122.5
		+22.9	+27.7	+44.3	+44.6	+61.4	+69.1	+83.6	+91.3	+25.3	+44.5	+87.4
서대문구	35.3	57.6	62.6	78.8	79.0	95.6	103.1	117.7	125.2	60.1	78.9	121.5
		+22.3	+27.3	+43.5	+43.7	+60.3	+67.8	+82.4	+89.9	+24.8	+43.6	+86.2
서초구	35.5	57.9	62.5	78.5	78.8	95.4	102.9	117.1	124.6	60.2	78.7	120.8
		+22.4	+27.0	+43.0	+43.3	+59.9	+67.4	+81.6	+89.1	+24.7	+43.2	+85.3
성동구	35.5	58.3	63.4	79.6	79.7	96.9	104.4	119.0	126.8	60.9	79.7	122.9
		+22.8	+27.9	+44.1	+44.2	+61.4	+68.9	+83.5	+91.3	+25.4	+44.2	+87.4
성북구	35.6	57.6	62.6	78.4	78.6	95.4	102.7	117.2	124.6	60.1	78.5	120.9
		+22.0	+27.0	+42.8	+43.0	+59.8	+67.1	+81.6	+89.0	+24.5	+42.9	+85.3
송파구	35.8	57.8	63.0	78.9	78.9	95.9	103.6	117.6	125.3	60.4	78.9	121.4
		+22.0	+27.2	+43.1	+43.1	+60.1	+67.8	+81.8	+89.5	+24.6	+43.1	+85.6
양천구	35.5	58.4	63.2	79.9	80.4	96.5	104.4	118.3	126.2	60.8	80.2	122.2
		+22.9	+27.7	+44.4	+44.9	+61.0	+68.9	+82.8	+90.7	+25.3	+44.7	+86.7
영등포구	35.0	58.7	63.8	80.8	81.2	98.2	106.2	120.7	128.6	61.2	81.0	124.7
		+23.7	+28.8	+45.8	+46.2	+63.2	+71.2	+85.7	+93.6	+26.2	+46.0	+89.7
용산구	34.9	58.3	63.3	79.7	80.1	97.1	104.7	119.5	127.1	60.8	79.9	123.3
		+23.4	+28.4	+44.8	+45.2	+62.2	+69.8	+84.6	+92.2	+25.9	+45.0	+88.4
은평구	35.3	56.7	61.3	77.0	77.0	93.4	100.8	114.6	122.1	59.0	77.0	118.3
		+21.4	+26.0	+41.7	+41.7	+58.1	+65.5	+79.3	+86.8	+23.7	+41.7	+83.0
종로구	35.2	57.8	63.0	79.2	79.4	96.2	103.7	118.5	126.1	60.4	79.3	122.3
		+22.6	+27.8	+44.0	+44.2	+61.0	+68.5	+83.3	+90.9	+25.2	+44.1	+87.1
중구	35.2	57.9	62.9	78.8	79.0	95.7	103.3	117.9	125.2	60.4	78.9	121.6
		+22.7	+27.7	+43.6	+43.8	+60.5	+68.1	+82.7	+90.0	+25.2	+43.7	+86.4
종량구	35.6	56.3	61.1	75.9	75.8	92.7	99.5	112.8	120.1	58.7	75.8	116.4
		+20.7	+25.5	+40.3	+40.2	+57.1	+63.9	+77.2	+84.5	+23.1	+40.2	+80.8



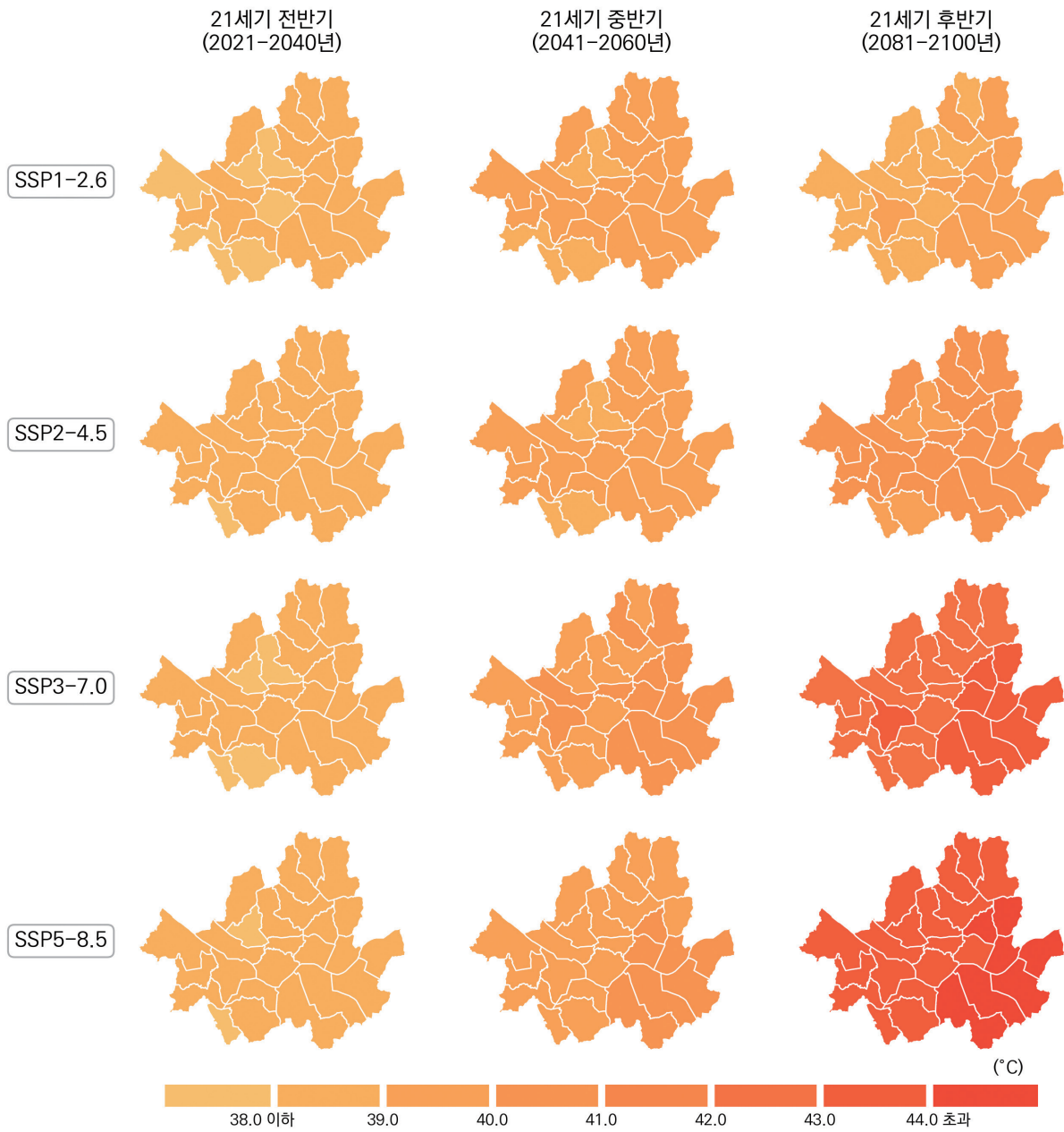


그림 4-23. 서울특별시의 일최고기온 연최대(°C) 전망 분포도

표 4-53. 서울특별시의 일최고기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.9	37.9	38.5	39.2	39.2	38.7	38.6	39.5	38.6	38.2	39.2	39.1
		+2.0	+2.6	+3.3	+3.3	+2.8	+2.7	+3.6	+2.7	+2.3	+3.3	+3.2
강남구	36.3	38.2	38.8	39.5	39.5	39.1	38.9	39.7	39.0	38.5	39.5	39.3
		+1.9	+2.5	+3.2	+3.2	+2.8	+2.6	+3.4	+2.7	+2.2	+3.2	+3.0
강동구	36.2	38.5	38.9	39.7	39.7	39.2	39.1	39.8	39.1	38.7	39.7	39.5
		+2.3	+2.7	+3.5	+3.5	+3.0	+2.9	+3.6	+2.9	+2.5	+3.5	+3.3
강북구	36.0	37.9	38.6	39.2	39.3	38.7	38.5	39.6	38.6	38.2	39.3	39.1
		+1.9	+2.6	+3.2	+3.3	+2.7	+2.5	+3.6	+2.6	+2.2	+3.3	+3.1
강서구	35.9	37.6	38.4	39.1	39.1	38.5	38.5	39.3	38.6	38.0	39.1	38.9
		+1.7	+2.5	+3.2	+3.2	+2.6	+2.6	+3.4	+2.7	+2.1	+3.2	+3.0
관악구	35.5	37.3	38.1	38.8	38.7	38.2	38.2	38.9	38.2	37.7	38.8	38.6
		+1.8	+2.6	+3.3	+3.2	+2.7	+2.7	+3.4	+2.7	+2.2	+3.3	+3.1
광진구	36.2	38.2	38.8	39.5	39.5	39.1	38.9	39.8	39.0	38.5	39.5	39.4
		+2.0	+2.6	+3.3	+3.3	+2.9	+2.7	+3.6	+2.8	+2.3	+3.3	+3.2
구로구	36.0	37.6	38.4	39.0	39.1	38.5	38.5	39.2	38.5	38.0	39.0	38.8
		+1.6	+2.4	+3.0	+3.1	+2.5	+2.5	+3.2	+2.5	+2.0	+3.0	+2.8
금천구	35.5	37.1	37.9	38.6	38.6	38.0	38.0	38.7	38.1	37.5	38.6	38.4
		+1.6	+2.4	+3.1	+3.1	+2.5	+2.5	+3.2	+2.6	+2.0	+3.1	+2.9
노원구	35.8	37.9	38.5	39.2	39.3	38.7	38.5	39.6	38.6	38.2	39.3	39.1
		+2.1	+2.7	+3.4	+3.5	+2.9	+2.7	+3.8	+2.8	+2.4	+3.5	+3.3
도봉구	35.9	37.8	38.5	39.1	39.3	38.6	38.4	39.6	38.5	38.1	39.2	39.0
		+1.9	+2.6	+3.2	+3.4	+2.7	+2.5	+3.7	+2.6	+2.2	+3.3	+3.1
동대문구	36.2	38.2	38.9	39.6	39.6	39.0	38.9	39.9	39.0	38.5	39.6	39.4
		+2.0	+2.7	+3.4	+3.4	+2.8	+2.7	+3.7	+2.8	+2.3	+3.4	+3.2
동작구	35.8	37.7	38.4	39.2	39.1	38.6	38.5	39.3	38.5	38.1	39.1	38.9
		+1.9	+2.6	+3.4	+3.3	+2.8	+2.7	+3.5	+2.7	+2.3	+3.3	+3.1
마포구	35.8	37.8	38.5	39.2	39.2	38.6	38.6	39.5	38.6	38.1	39.2	39.0
		+2.0	+2.7	+3.4	+3.4	+2.8	+2.8	+3.7	+2.8	+2.3	+3.4	+3.2
서대문구	35.3	37.3	38.0	38.7	38.7	38.2	38.1	39.0	38.1	37.7	38.7	38.5
		+2.0	+2.7	+3.4	+3.4	+2.9	+2.8	+3.7	+2.8	+2.4	+3.4	+3.2
서초구	36.5	38.3	38.9	39.6	39.5	39.1	39.0	39.8	39.0	38.6	39.6	39.4
		+1.8	+2.4	+3.1	+3.0	+2.6	+2.5	+3.3	+2.5	+2.1	+3.1	+2.9
성동구	36.2	38.1	38.8	39.5	39.5	39.0	38.8	39.8	38.9	38.5	39.5	39.3
		+1.9	+2.6	+3.3	+3.3	+2.8	+2.6	+3.6	+2.7	+2.3	+3.3	+3.1
성북구	35.8	37.8	38.4	39.1	39.2	38.6	38.4	39.5	38.5	38.1	39.1	39.0
		+2.0	+2.6	+3.3	+3.4	+2.8	+2.6	+3.7	+2.7	+2.3	+3.3	+3.2
송파구	36.4	38.4	39.0	39.7	39.6	39.2	39.1	39.9	39.1	38.7	39.6	39.5
		+2.0	+2.6	+3.3	+3.2	+2.8	+2.7	+3.5	+2.7	+2.3	+3.2	+3.1
양천구	36.1	37.7	38.5	39.2	39.2	38.6	38.6	39.3	38.7	38.1	39.2	39.0
		+1.6	+2.4	+3.1	+3.1	+2.5	+2.5	+3.2	+2.6	+2.0	+3.1	+2.9
영등포구	36.2	38.0	38.7	39.4	39.3	38.8	38.8	39.5	38.8	38.3	39.4	39.2
		+1.8	+2.5	+3.2	+3.1	+2.6	+2.6	+3.3	+2.6	+2.1	+3.2	+3.0
용산구	35.7	37.7	38.4	39.1	39.0	38.5	38.5	39.4	38.5	38.0	39.1	38.9
		+2.0	+2.7	+3.4	+3.3	+2.8	+2.8	+3.7	+2.8	+2.3	+3.4	+3.2
은평구	35.7	37.7	38.4	39.1	39.1	38.6	38.5	39.4	38.5	38.1	39.1	39.0
		+2.0	+2.7	+3.4	+3.4	+2.9	+2.8	+3.7	+2.8	+2.4	+3.4	+3.3
종로구	35.3	37.4	38.0	38.8	38.7	38.2	38.1	39.1	38.1	37.7	38.7	38.6
		+2.1	+2.7	+3.5	+3.4	+2.9	+2.8	+3.8	+2.8	+2.4	+3.4	+3.3
중구	35.9	37.9	38.5	39.3	39.2	38.7	38.6	39.5	38.6	38.2	39.2	39.1
		+2.0	+2.6	+3.4	+3.3	+2.8	+2.7	+3.6	+2.7	+2.3	+3.3	+3.2
종량구	36.0	38.1	38.7	39.4	39.5	38.9	38.7	39.7	38.8	38.4	39.5	39.3
		+2.1	+2.7	+3.4	+3.5	+2.9	+2.7	+3.7	+2.8	+2.4	+3.5	+3.3

표 4-54. 서울특별시의 일최고기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.9	38.3	38.9	39.1	39.4	40.1	40.1	40.2	40.5	38.6	39.2	40.3
		+2.4	+3.0	+3.2	+3.5	+4.2	+4.2	+4.3	+4.6	+2.7	+3.3	+4.4
강남구	36.3	38.6	39.2	39.3	39.8	40.5	40.5	40.5	40.9	38.9	39.6	40.7
		+2.3	+2.9	+3.0	+3.5	+4.2	+4.2	+4.2	+4.6	+2.6	+3.3	+4.4
강동구	36.2	38.8	39.3	39.4	39.9	40.6	40.5	40.7	41.1	39.0	39.7	40.9
		+2.6	+3.1	+3.2	+3.7	+4.4	+4.3	+4.5	+4.9	+2.8	+3.5	+4.7
강북구	36.0	38.2	38.9	39.0	39.5	40.1	40.1	40.2	40.4	38.6	39.3	40.3
		+2.2	+2.9	+3.0	+3.5	+4.1	+4.1	+4.2	+4.4	+2.6	+3.3	+4.3
강서구	35.9	38.2	38.8	39.1	39.2	40.1	40.1	40.0	40.3	38.5	39.1	40.2
		+2.3	+2.9	+3.2	+3.3	+4.2	+4.2	+4.1	+4.4	+2.6	+3.2	+4.3
관악구	35.5	37.8	38.5	38.7	38.9	39.7	39.8	39.8	40.0	38.2	38.8	39.9
		+2.3	+3.0	+3.2	+3.4	+4.2	+4.3	+4.3	+4.5	+2.7	+3.3	+4.4
광진구	36.2	38.6	39.2	39.3	39.8	40.5	40.4	40.5	40.9	38.9	39.6	40.7
		+2.4	+3.0	+3.1	+3.6	+4.3	+4.2	+4.3	+4.7	+2.7	+3.4	+4.5
구로구	36.0	38.1	38.8	39.0	39.1	40.0	40.1	40.0	40.3	38.4	39.1	40.1
		+2.1	+2.8	+3.0	+3.1	+4.0	+4.1	+4.0	+4.3	+2.4	+3.1	+4.1
금천구	35.5	37.6	38.3	38.5	38.7	39.6	39.6	39.5	39.8	38.0	38.6	39.7
		+2.1	+2.8	+3.0	+3.2	+4.1	+4.1	+4.0	+4.3	+2.5	+3.1	+4.2
노원구	35.8	38.2	38.8	39.0	39.5	40.0	40.0	40.1	40.4	38.5	39.2	40.3
		+2.4	+3.0	+3.2	+3.7	+4.2	+4.2	+4.3	+4.6	+2.7	+3.4	+4.5
도봉구	35.9	38.2	38.8	38.9	39.4	40.0	40.0	40.1	40.3	38.5	39.2	40.2
		+2.3	+2.9	+3.0	+3.5	+4.1	+4.1	+4.2	+4.4	+2.6	+3.3	+4.3
동대문구	36.2	38.6	39.3	39.4	39.8	40.5	40.4	40.5	40.8	38.9	39.6	40.7
		+2.4	+3.1	+3.2	+3.6	+4.3	+4.2	+4.3	+4.6	+2.7	+3.4	+4.5
동작구	35.8	38.2	38.9	39.0	39.3	40.1	40.1	40.1	40.4	38.5	39.1	40.2
		+2.4	+3.1	+3.2	+3.5	+4.3	+4.3	+4.3	+4.6	+2.7	+3.3	+4.4
마포구	35.8	38.3	38.9	39.1	39.3	40.1	40.1	40.2	40.4	38.6	39.2	40.3
		+2.5	+3.1	+3.3	+3.5	+4.3	+4.3	+4.4	+4.6	+2.8	+3.4	+4.5
서대문구	35.3	37.8	38.4	38.6	38.8	39.6	39.6	39.7	39.9	38.1	38.7	39.8
		+2.5	+3.1	+3.3	+3.5	+4.3	+4.3	+4.4	+4.6	+2.8	+3.4	+4.5
서초구	36.5	38.7	39.3	39.5	39.8	40.6	40.6	40.6	40.9	39.0	39.6	40.8
		+2.2	+2.8	+3.0	+3.3	+4.1	+4.1	+4.1	+4.4	+2.5	+3.1	+4.3
성동구	36.2	38.5	39.2	39.3	39.7	40.4	40.4	40.5	40.8	38.8	39.5	40.6
		+2.3	+3.0	+3.1	+3.5	+4.2	+4.2	+4.3	+4.6	+2.6	+3.3	+4.4
성북구	35.8	38.1	38.8	38.9	39.4	40.0	40.0	40.1	40.3	38.5	39.2	40.2
		+2.3	+3.0	+3.1	+3.6	+4.2	+4.2	+4.3	+4.5	+2.7	+3.4	+4.4
송파구	36.4	38.7	39.4	39.4	40.0	40.7	40.6	40.7	41.1	39.0	39.7	40.9
		+2.3	+3.0	+3.0	+3.6	+4.3	+4.2	+4.3	+4.7	+2.6	+3.3	+4.5
양천구	36.1	38.2	38.9	39.2	39.3	40.2	40.2	40.1	40.4	38.6	39.2	40.3
		+2.1	+2.8	+3.1	+3.2	+4.1	+4.1	+4.0	+4.3	+2.5	+3.1	+4.2
영등포구	36.2	38.4	39.1	39.3	39.5	40.4	40.4	40.3	40.6	38.8	39.4	40.5
		+2.2	+2.9	+3.1	+3.3	+4.2	+4.2	+4.1	+4.4	+2.6	+3.2	+4.3
용산구	35.7	38.1	38.8	39.0	39.3	40.0	40.0	40.1	40.3	38.5	39.1	40.2
		+2.4	+3.1	+3.3	+3.6	+4.3	+4.3	+4.4	+4.6	+2.8	+3.4	+4.5
은평구	35.7	38.2	38.9	39.0	39.2	40.0	40.0	40.1	40.3	38.5	39.1	40.2
		+2.5	+3.2	+3.3	+3.5	+4.3	+4.3	+4.4	+4.6	+2.8	+3.4	+4.5
종로구	35.3	37.8	38.4	38.6	38.9	39.6	39.6	39.7	40.0	38.1	38.7	39.8
		+2.5	+3.1	+3.3	+3.6	+4.3	+4.3	+4.4	+4.7	+2.8	+3.4	+4.5
중구	35.9	38.3	39.0	39.1	39.4	40.2	40.1	40.2	40.5	38.6	39.3	40.3
		+2.4	+3.1	+3.2	+3.5	+4.3	+4.2	+4.3	+4.6	+2.7	+3.4	+4.4
종랑구	36.0	38.4	39.1	39.2	39.7	40.3	40.2	40.4	40.7	38.8	39.4	40.5
		+2.4	+3.1	+3.2	+3.7	+4.3	+4.2	+4.4	+4.7	+2.8	+3.4	+4.5

표 4-55. 서울특별시의 일최고기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.9	37.8	39.1	39.6	40.6	40.9	40.9	42.9	43.1	38.4	40.1	43.0
		+1.9	+3.2	+3.7	+4.7	+5.0	+5.0	+7.0	+7.2	+2.5	+4.2	+7.1
강남구	36.3	38.1	39.4	39.9	41.0	41.2	41.2	43.3	43.3	38.7	40.5	43.3
		+1.8	+3.1	+3.6	+4.7	+4.9	+4.9	+7.0	+7.0	+2.4	+4.2	+7.0
강동구	36.2	38.2	39.4	40.1	41.0	41.4	41.4	43.4	43.4	38.8	40.6	43.4
		+2.0	+3.2	+3.9	+4.8	+5.2	+5.2	+7.2	+7.2	+2.6	+4.4	+7.2
강북구	36.0	37.8	39.1	39.7	40.6	40.9	41.1	42.9	43.1	38.4	40.2	43.0
		+1.8	+3.1	+3.7	+4.6	+4.9	+5.1	+6.9	+7.1	+2.4	+4.2	+7.0
강서구	35.9	37.7	38.9	39.4	40.6	40.8	40.8	42.8	43.0	38.3	40.0	42.9
		+1.8	+3.0	+3.5	+4.7	+4.9	+4.9	+6.9	+7.1	+2.4	+4.1	+7.0
관악구	35.5	37.4	38.6	39.1	40.2	40.5	40.4	42.5	42.6	38.0	39.7	42.6
		+1.9	+3.1	+3.6	+4.7	+5.0	+4.9	+7.0	+7.1	+2.5	+4.2	+7.1
광진구	36.2	38.1	39.4	40.0	41.0	41.2	41.3	43.2	43.3	38.7	40.5	43.3
		+1.9	+3.2	+3.8	+4.8	+5.0	+5.1	+7.0	+7.1	+2.5	+4.3	+7.1
구로구	36.0	37.5	38.9	39.3	40.5	40.7	40.7	42.8	42.9	38.2	39.9	42.8
		+1.5	+2.9	+3.3	+4.5	+4.7	+4.7	+6.8	+6.9	+2.2	+3.9	+6.8
금천구	35.5	37.1	38.4	38.9	40.0	40.3	40.2	42.4	42.5	37.8	39.5	42.4
		+1.6	+2.9	+3.4	+4.5	+4.8	+4.7	+6.9	+7.0	+2.3	+4.0	+6.9
노원구	35.8	37.8	39.0	39.7	40.5	40.8	41.0	42.8	43.0	38.4	40.1	42.9
		+2.0	+3.2	+3.9	+4.7	+5.0	+5.2	+7.0	+7.2	+2.6	+4.3	+7.1
도봉구	35.9	37.7	39.0	39.6	40.5	40.8	41.0	42.7	43.0	38.3	40.0	42.8
		+1.8	+3.1	+3.7	+4.6	+4.9	+5.1	+6.8	+7.1	+2.4	+4.1	+6.9
동대문구	36.2	38.1	39.4	40.0	40.9	41.2	41.3	43.2	43.4	38.8	40.5	43.3
		+1.9	+3.2	+3.8	+4.7	+5.0	+5.1	+7.0	+7.2	+2.6	+4.3	+7.1
동작구	35.8	37.7	39.0	39.5	40.6	40.8	40.8	42.8	43.0	38.3	40.0	42.9
		+1.9	+3.2	+3.7	+4.8	+5.0	+5.0	+7.0	+7.2	+2.5	+4.2	+7.1
마포구	35.8	37.8	39.1	39.6	40.6	40.9	40.9	42.9	43.1	38.4	40.1	43.0
		+2.0	+3.3	+3.8	+4.8	+5.1	+5.1	+7.1	+7.3	+2.6	+4.3	+7.2
서대문구	35.3	37.3	38.6	39.1	40.1	40.4	40.4	42.4	42.5	37.9	39.6	42.4
		+2.0	+3.3	+3.8	+4.8	+5.1	+5.1	+7.1	+7.2	+2.6	+4.3	+7.1
서초구	36.5	38.2	39.5	40.0	41.1	41.3	41.3	43.4	43.5	38.8	40.6	43.4
		+1.7	+3.0	+3.5	+4.6	+4.8	+4.8	+6.9	+7.0	+2.3	+4.1	+6.9
성동구	36.2	38.1	39.3	39.9	40.9	41.2	41.2	43.2	43.3	38.7	40.4	43.2
		+1.9	+3.1	+3.7	+4.7	+5.0	+5.0	+7.0	+7.1	+2.5	+4.2	+7.0
성북구	35.8	37.7	39.0	39.6	40.5	40.8	40.9	42.8	42.9	38.3	40.0	42.8
		+1.9	+3.2	+3.8	+4.7	+5.0	+5.1	+7.0	+7.1	+2.5	+4.2	+7.0
송파구	36.4	38.2	39.4	40.1	41.1	41.4	41.4	43.4	43.5	38.8	40.6	43.4
		+1.8	+3.0	+3.7	+4.7	+5.0	+5.0	+7.0	+7.1	+2.4	+4.2	+7.0
양천구	36.1	37.7	39.0	39.4	40.6	40.8	40.9	42.9	43.1	38.4	40.0	43.0
		+1.6	+2.9	+3.3	+4.5	+4.7	+4.8	+6.8	+7.0	+2.3	+3.9	+6.9
영등포구	36.2	37.9	39.2	39.7	40.9	41.1	41.0	43.1	43.3	38.6	40.3	43.2
		+1.7	+3.0	+3.5	+4.7	+4.9	+4.8	+6.9	+7.1	+2.4	+4.1	+7.0
용산구	35.7	37.7	38.9	39.5	40.5	40.8	40.8	42.8	42.9	38.3	40.0	42.9
		+2.0	+3.2	+3.8	+4.8	+5.1	+5.1	+7.1	+7.2	+2.6	+4.3	+7.2
은평구	35.7	37.7	39.0	39.5	40.5	40.8	40.9	42.8	42.9	38.3	40.0	42.9
		+2.0	+3.3	+3.8	+4.8	+5.1	+5.2	+7.1	+7.2	+2.6	+4.3	+7.2
종로구	35.3	37.3	38.6	39.1	40.1	40.4	40.5	42.4	42.6	38.0	39.6	42.5
		+2.0	+3.3	+3.8	+4.8	+5.1	+5.2	+7.1	+7.3	+2.7	+4.3	+7.2
중구	35.9	37.8	39.1	39.6	40.7	40.9	41.0	42.9	43.0	38.5	40.2	43.0
		+1.9	+3.2	+3.7	+4.8	+5.0	+5.1	+7.0	+7.1	+2.6	+4.3	+7.1
종랑구	36.0	38.0	39.2	39.9	40.8	41.0	41.2	43.1	43.2	38.6	40.3	43.1
		+2.0	+3.2	+3.9	+4.8	+5.0	+5.2	+7.1	+7.2	+2.6	+4.3	+7.1

표 4-56. 서울특별시의 일최고기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.9	38.6	38.5	40.0	39.7	42.2	42.3	43.0	44.5	38.5	39.8	43.8
		+2.7	+2.6	+4.1	+3.8	+6.3	+6.4	+7.1	+8.6	+2.6	+3.9	+7.9
강남구	36.3	38.9	38.8	40.3	40.0	42.5	42.6	43.4	44.8	38.9	40.2	44.1
		+2.6	+2.5	+4.0	+3.7	+6.2	+6.3	+7.1	+8.5	+2.6	+3.9	+7.8
강동구	36.2	39.0	39.0	40.5	40.1	42.7	42.8	43.7	45.0	39.0	40.3	44.3
		+2.8	+2.8	+4.3	+3.9	+6.5	+6.6	+7.5	+8.8	+2.8	+4.1	+8.1
강북구	36.0	38.6	38.5	40.0	39.6	42.4	42.6	43.1	44.7	38.6	39.8	43.9
		+2.6	+2.5	+4.0	+3.6	+6.4	+6.6	+7.1	+8.7	+2.6	+3.8	+7.9
강서구	35.9	38.5	38.4	39.9	39.6	41.9	42.1	42.7	44.3	38.4	39.7	43.5
		+2.6	+2.5	+4.0	+3.7	+6.0	+6.2	+6.8	+8.4	+2.5	+3.8	+7.6
관악구	35.5	38.2	38.0	39.5	39.3	41.6	41.7	42.4	44.1	38.1	39.4	43.3
		+2.7	+2.5	+4.0	+3.8	+6.1	+6.2	+6.9	+8.6	+2.6	+3.9	+7.8
광진구	36.2	38.9	38.8	40.4	40.0	42.6	42.7	43.4	44.8	38.9	40.2	44.1
		+2.7	+2.6	+4.2	+3.8	+6.4	+6.5	+7.2	+8.6	+2.7	+4.0	+7.9
구로구	36.0	38.4	38.3	39.8	39.6	41.8	41.9	42.6	44.3	38.4	39.7	43.5
		+2.4	+2.3	+3.8	+3.6	+5.8	+5.9	+6.6	+8.3	+2.4	+3.7	+7.5
금천구	35.5	38.0	37.9	39.4	39.1	41.3	41.5	42.2	43.9	37.9	39.3	43.1
		+2.5	+2.4	+3.9	+3.6	+5.8	+6.0	+6.7	+8.4	+2.4	+3.8	+7.6
노원구	35.8	38.6	38.5	40.0	39.6	42.4	42.6	43.2	44.7	38.5	39.8	43.9
		+2.8	+2.7	+4.2	+3.8	+6.6	+6.8	+7.4	+8.9	+2.7	+4.0	+8.1
도봉구	35.9	38.5	38.4	40.0	39.5	42.4	42.5	43.1	44.6	38.5	39.8	43.9
		+2.6	+2.5	+4.1	+3.6	+6.5	+6.6	+7.2	+8.7	+2.6	+3.9	+8.0
동대문구	36.2	38.9	38.9	40.4	39.9	42.6	42.8	43.4	44.9	38.9	40.2	44.2
		+2.7	+2.7	+4.2	+3.7	+6.4	+6.6	+7.2	+8.7	+2.7	+4.0	+8.0
동작구	35.8	38.5	38.4	39.9	39.6	42.0	42.1	42.8	44.4	38.5	39.8	43.6
		+2.7	+2.6	+4.1	+3.8	+6.2	+6.3	+7.0	+8.6	+2.7	+4.0	+7.8
마포구	35.8	38.6	38.5	39.9	39.7	42.1	42.2	42.8	44.4	38.5	39.8	43.6
		+2.8	+2.7	+4.1	+3.9	+6.3	+6.4	+7.0	+8.6	+2.7	+4.0	+7.8
서대문구	35.3	38.1	38.0	39.5	39.2	41.6	41.8	42.4	43.9	38.0	39.3	43.2
		+2.8	+2.7	+4.2	+3.9	+6.3	+6.5	+7.1	+8.6	+2.7	+4.0	+7.9
서초구	36.5	39.0	38.9	40.4	40.1	42.5	42.6	43.4	44.9	39.0	40.3	44.1
		+2.5	+2.4	+3.9	+3.6	+6.0	+6.1	+6.9	+8.4	+2.5	+3.8	+7.6
성동구	36.2	38.9	38.8	40.3	39.9	42.5	42.6	43.3	44.8	38.8	40.1	44.0
		+2.7	+2.6	+4.1	+3.7	+6.3	+6.4	+7.1	+8.6	+2.6	+3.9	+7.8
성북구	35.8	38.5	38.4	39.9	39.6	42.2	42.4	43.0	44.5	38.4	39.7	43.7
		+2.7	+2.6	+4.1	+3.8	+6.4	+6.6	+7.2	+8.7	+2.6	+3.9	+7.9
송파구	36.4	39.1	39.0	40.5	40.2	42.7	42.8	43.6	45.0	39.0	40.3	44.3
		+2.7	+2.6	+4.1	+3.8	+6.3	+6.4	+7.2	+8.6	+2.6	+3.9	+7.9
양천구	36.1	38.6	38.5	40.0	39.7	41.9	42.1	42.8	44.5	38.5	39.8	43.6
		+2.5	+2.4	+3.9	+3.6	+5.8	+6.0	+6.7	+8.4	+2.4	+3.7	+7.5
영등포구	36.2	38.8	38.6	40.1	39.9	42.2	42.3	43.0	44.6	38.7	40.0	43.8
		+2.6	+2.4	+3.9	+3.7	+6.0	+6.1	+6.8	+8.4	+2.5	+3.8	+7.6
용산구	35.7	38.5	38.4	39.9	39.6	42.0	42.1	42.8	44.3	38.4	39.7	43.6
		+2.8	+2.7	+4.2	+3.9	+6.3	+6.4	+7.1	+8.6	+2.7	+4.0	+7.9
은평구	35.7	38.5	38.4	39.9	39.6	42.1	42.3	42.8	44.4	38.4	39.7	43.6
		+2.8	+2.7	+4.2	+3.9	+6.4	+6.6	+7.1	+8.7	+2.7	+4.0	+7.9
종로구	35.3	38.1	38.0	39.5	39.2	41.7	41.9	42.5	44.0	38.1	39.4	43.3
		+2.8	+2.7	+4.2	+3.9	+6.4	+6.6	+7.2	+8.7	+2.8	+4.1	+8.0
중구	35.9	38.6	38.5	40.0	39.7	42.2	42.4	43.0	44.5	38.6	39.8	43.7
		+2.7	+2.6	+4.1	+3.8	+6.3	+6.5	+7.1	+8.6	+2.7	+3.9	+7.8
종랑구	36.0	38.8	38.7	40.2	39.8	42.6	42.6	43.3	44.8	38.7	40.0	44.1
		+2.8	+2.7	+4.2	+3.8	+6.6	+6.6	+7.3	+8.8	+2.7	+4.0	+8.1

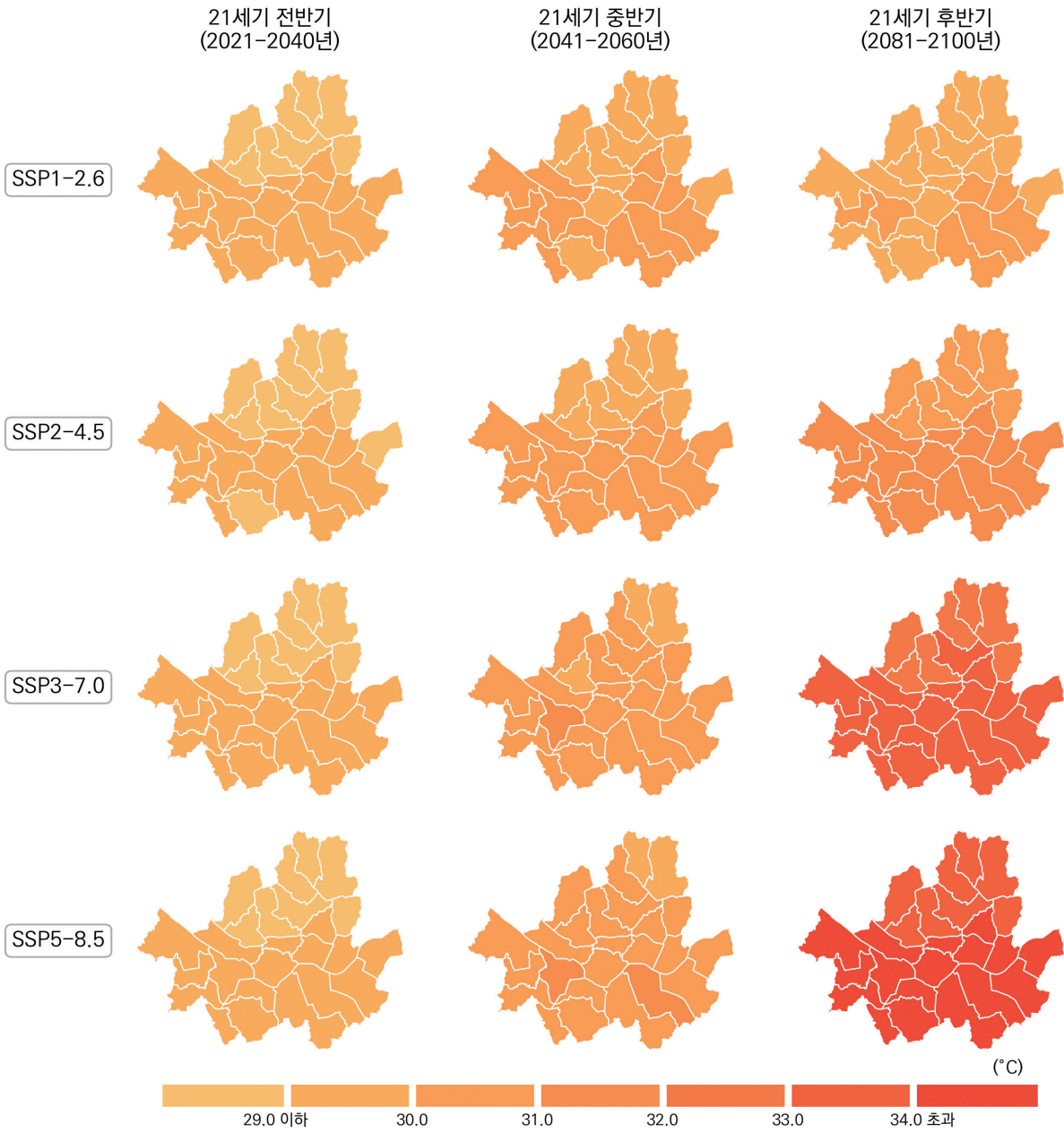


그림 4-24. 서울특별시의 일최저기온 연최대(°C) 전망 분포도

표 4-57. 서울특별시의 일최저기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	26.8	28.9	29.5	30.1	29.8	29.7	29.5	30.2	29.4	29.2	29.9	29.8
		+2.1	+2.7	+3.3	+3.0	+2.9	+2.7	+3.4	+2.6	+2.4	+3.1	+3.0
강남구	27.3	29.4	29.9	30.4	30.2	30.1	29.9	30.6	29.8	29.6	30.3	30.2
		+2.1	+2.6	+3.1	+2.9	+2.8	+2.6	+3.3	+2.5	+2.3	+3.0	+2.9
강동구	26.8	28.9	29.5	29.9	29.7	29.6	29.4	30.2	29.4	29.2	29.8	29.8
		+2.1	+2.7	+3.1	+2.9	+2.8	+2.6	+3.4	+2.6	+2.4	+3.0	+3.0
강북구	26.5	28.6	29.3	29.8	29.5	29.4	29.2	29.9	29.2	28.9	29.6	29.5
		+2.1	+2.8	+3.3	+3.0	+2.9	+2.7	+3.4	+2.7	+2.4	+3.1	+3.0
강서구	26.9	29.0	29.6	30.3	29.9	29.8	29.6	30.3	29.5	29.3	30.1	29.9
		+2.1	+2.7	+3.4	+3.0	+2.9	+2.7	+3.4	+2.6	+2.4	+3.2	+3.0
관악구	26.7	28.9	29.4	30.0	29.8	29.7	29.5	30.2	29.4	29.2	29.9	29.8
		+2.2	+2.7	+3.3	+3.1	+3.0	+2.8	+3.5	+2.7	+2.5	+3.2	+3.1
광진구	27.1	29.3	29.8	30.3	30.1	30.0	29.8	30.5	29.7	29.5	30.2	30.1
		+2.2	+2.7	+3.2	+3.0	+2.9	+2.7	+3.4	+2.6	+2.4	+3.1	+3.0
구로구	27.0	29.0	29.6	30.2	30.0	29.9	29.6	30.3	29.5	29.3	30.1	29.9
		+2.0	+2.6	+3.2	+3.0	+2.9	+2.6	+3.3	+2.5	+2.3	+3.1	+2.9
금천구	27.0	29.1	29.6	30.2	30.0	29.9	29.7	30.4	29.5	29.4	30.1	29.9
		+2.1	+2.6	+3.2	+3.0	+2.9	+2.7	+3.4	+2.5	+2.4	+3.1	+2.9
노원구	26.0	28.3	28.9	29.4	29.1	29.0	28.9	29.5	28.8	28.6	29.3	29.2
		+2.3	+2.9	+3.4	+3.1	+3.0	+2.9	+3.5	+2.8	+2.6	+3.3	+3.2
도봉구	26.0	28.1	28.8	29.3	29.0	28.9	28.8	29.4	28.7	28.5	29.1	29.1
		+2.1	+2.8	+3.3	+3.0	+2.9	+2.8	+3.4	+2.7	+2.5	+3.1	+3.1
동대문구	26.9	29.1	29.7	30.2	29.9	29.8	29.6	30.4	29.6	29.4	30.1	30.0
		+2.2	+2.8	+3.3	+3.0	+2.9	+2.7	+3.5	+2.7	+2.5	+3.2	+3.1
동작구	26.9	29.1	29.6	30.2	29.9	29.9	29.6	30.4	29.6	29.4	30.1	30.0
		+2.2	+2.7	+3.3	+3.0	+3.0	+2.7	+3.5	+2.7	+2.5	+3.2	+3.1
마포구	26.9	29.0	29.6	30.3	29.9	29.8	29.6	30.3	29.5	29.3	30.1	29.9
		+2.1	+2.7	+3.4	+3.0	+2.9	+2.7	+3.4	+2.6	+2.4	+3.2	+3.0
서대문구	26.2	28.4	29.0	29.6	29.3	29.2	29.0	29.7	28.9	28.7	29.4	29.3
		+2.2	+2.8	+3.4	+3.1	+3.0	+2.8	+3.5	+2.7	+2.5	+3.2	+3.1
서초구	27.1	29.2	29.7	30.3	30.0	30.0	29.7	30.5	29.7	29.5	30.2	30.1
		+2.1	+2.6	+3.2	+2.9	+2.9	+2.6	+3.4	+2.6	+2.4	+3.1	+3.0
성동구	27.1	29.2	29.8	30.3	30.0	30.0	29.8	30.5	29.7	29.5	30.2	30.1
		+2.1	+2.7	+3.2	+2.9	+2.9	+2.7	+3.4	+2.6	+2.4	+3.1	+3.0
성북구	26.5	28.7	29.3	29.8	29.6	29.4	29.3	30.0	29.2	29.0	29.7	29.6
		+2.2	+2.8	+3.3	+3.1	+2.9	+2.8	+3.5	+2.7	+2.5	+3.2	+3.1
송파구	27.2	29.3	29.8	30.3	30.1	30.0	29.8	30.5	29.7	29.6	30.2	30.1
		+2.1	+2.6	+3.1	+2.9	+2.8	+2.6	+3.3	+2.5	+2.4	+3.0	+2.9
양천구	27.1	29.2	29.8	30.4	30.1	30.0	29.8	30.5	29.7	29.5	30.3	30.1
		+2.1	+2.7	+3.3	+3.0	+2.9	+2.7	+3.4	+2.6	+2.4	+3.2	+3.0
영등포구	27.5	29.5	30.1	30.7	30.4	30.3	30.1	30.8	30.0	29.8	30.6	30.4
		+2.0	+2.6	+3.2	+2.9	+2.8	+2.6	+3.3	+2.5	+2.3	+3.1	+2.9
용산구	26.8	28.9	29.5	30.1	29.8	29.7	29.5	30.2	29.4	29.2	29.9	29.8
		+2.1	+2.7	+3.3	+3.0	+2.9	+2.7	+3.4	+2.6	+2.4	+3.1	+3.0
은평구	26.3	28.5	29.1	29.7	29.4	29.3	29.1	29.8	29.0	28.8	29.6	29.4
		+2.2	+2.8	+3.4	+3.1	+3.0	+2.8	+3.5	+2.7	+2.5	+3.3	+3.1
종로구	26.3	28.5	29.1	29.7	29.4	29.3	29.1	29.8	29.0	28.8	29.5	29.4
		+2.2	+2.8	+3.4	+3.1	+3.0	+2.8	+3.5	+2.7	+2.5	+3.2	+3.1
중구	26.8	29.0	29.6	30.2	29.9	29.8	29.6	30.3	29.5	29.3	30.0	29.9
		+2.2	+2.8	+3.4	+3.1	+3.0	+2.8	+3.5	+2.7	+2.5	+3.2	+3.1
종랑구	26.6	28.6	29.2	29.7	29.5	29.4	29.2	29.9	29.2	28.9	29.6	29.5
		+2.0	+2.6	+3.1	+2.9	+2.8	+2.6	+3.3	+2.6	+2.3	+3.0	+2.9

표 4-58. 서울특별시의 일최저기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	26.8	28.7	29.3	29.9	30.3	30.8	31.1	30.8	31.5	29.0	30.1	31.1
		+1.9	+2.5	+3.1	+3.5	+4.0	+4.3	+4.0	+4.7	+2.2	+3.3	+4.3
강남구	27.3	29.1	29.8	30.3	30.8	31.2	31.5	31.2	31.9	29.4	30.5	31.6
		+1.8	+2.5	+3.0	+3.5	+3.9	+4.2	+3.9	+4.6	+2.1	+3.2	+4.3
강동구	26.8	28.7	29.3	29.8	30.4	30.7	31.1	30.7	31.5	29.0	30.1	31.1
		+1.9	+2.5	+3.0	+3.6	+3.9	+4.3	+3.9	+4.7	+2.2	+3.3	+4.3
강북구	26.5	28.5	29.0	29.6	30.0	30.5	30.8	30.4	31.3	28.7	29.8	30.8
		+2.0	+2.5	+3.1	+3.5	+4.0	+4.3	+3.9	+4.8	+2.2	+3.3	+4.3
강서구	26.9	28.8	29.5	30.1	30.4	31.0	31.3	30.9	31.6	29.2	30.2	31.3
		+1.9	+2.6	+3.2	+3.5	+4.1	+4.4	+4.0	+4.7	+2.3	+3.3	+4.4
관악구	26.7	28.7	29.4	29.9	30.3	30.8	31.1	30.8	31.5	29.0	30.1	31.1
		+2.0	+2.7	+3.2	+3.6	+4.1	+4.4	+4.1	+4.8	+2.3	+3.4	+4.4
광진구	27.1	29.0	29.6	30.1	30.7	31.1	31.4	31.1	31.8	29.3	30.4	31.5
		+1.9	+2.5	+3.0	+3.6	+4.0	+4.3	+4.0	+4.7	+2.2	+3.3	+4.4
구로구	27.0	28.9	29.6	30.1	30.4	31.0	31.3	30.9	31.6	29.2	30.2	31.3
		+1.9	+2.6	+3.1	+3.4	+4.0	+4.3	+3.9	+4.6	+2.2	+3.2	+4.3
금천구	27.0	28.9	29.6	30.1	30.5	31.0	31.3	31.0	31.7	29.3	30.3	31.3
		+1.9	+2.6	+3.1	+3.5	+4.0	+4.3	+4.0	+4.7	+2.3	+3.3	+4.3
노원구	26.0	28.1	28.6	29.2	29.7	30.2	30.5	30.1	30.9	28.4	29.5	30.5
		+2.1	+2.6	+3.2	+3.7	+4.2	+4.5	+4.1	+4.9	+2.4	+3.5	+4.5
도봉구	26.0	27.9	28.5	29.1	29.6	30.0	30.3	29.9	30.8	28.2	29.3	30.3
		+1.9	+2.5	+3.1	+3.6	+4.0	+4.3	+3.9	+4.8	+2.2	+3.3	+4.3
동대문구	26.9	28.9	29.5	30.0	30.5	31.0	31.3	30.9	31.7	29.2	30.3	31.3
		+2.0	+2.6	+3.1	+3.6	+4.1	+4.4	+4.0	+4.8	+2.3	+3.4	+4.4
동작구	26.9	28.9	29.6	30.1	30.5	31.0	31.3	31.0	31.7	29.2	30.3	31.3
		+2.0	+2.7	+3.2	+3.6	+4.1	+4.4	+4.1	+4.8	+2.3	+3.4	+4.4
마포구	26.9	28.9	29.5	30.1	30.4	31.0	31.3	30.9	31.6	29.2	30.2	31.3
		+2.0	+2.6	+3.2	+3.5	+4.1	+4.4	+4.0	+4.7	+2.3	+3.3	+4.4
서대문구	26.2	28.2	28.8	29.4	29.8	30.3	30.6	30.3	31.0	28.5	29.6	30.6
		+2.0	+2.6	+3.2	+3.6	+4.1	+4.4	+4.1	+4.8	+2.3	+3.4	+4.4
서초구	27.1	28.9	29.6	30.1	30.6	31.1	31.4	31.1	31.8	29.3	30.4	31.4
		+1.8	+2.5	+3.0	+3.5	+4.0	+4.3	+4.0	+4.7	+2.2	+3.3	+4.3
성동구	27.1	29.0	29.6	30.2	30.6	31.1	31.4	31.1	31.8	29.3	30.4	31.4
		+1.9	+2.5	+3.1	+3.5	+4.0	+4.3	+4.0	+4.7	+2.2	+3.3	+4.3
성북구	26.5	28.5	29.1	29.7	30.1	30.6	30.9	30.5	31.3	28.8	29.9	30.9
		+2.0	+2.6	+3.2	+3.6	+4.1	+4.4	+4.0	+4.8	+2.3	+3.4	+4.4
송파구	27.2	29.0	29.7	30.2	30.7	31.1	31.4	31.1	31.9	29.4	30.4	31.5
		+1.8	+2.5	+3.0	+3.5	+3.9	+4.2	+3.9	+4.7	+2.2	+3.2	+4.3
양천구	27.1	29.0	29.7	30.2	30.6	31.1	31.5	31.1	31.8	29.3	30.4	31.4
		+1.9	+2.6	+3.1	+3.5	+4.0	+4.4	+4.0	+4.7	+2.2	+3.3	+4.3
영등포구	27.5	29.3	30.0	30.6	30.9	31.5	31.8	31.4	32.1	29.7	30.7	31.8
		+1.8	+2.5	+3.1	+3.4	+4.0	+4.3	+3.9	+4.6	+2.2	+3.2	+4.3
용산구	26.8	28.7	29.4	29.9	30.3	30.9	31.2	30.8	31.5	29.1	30.1	31.2
		+1.9	+2.6	+3.1	+3.5	+4.1	+4.4	+4.0	+4.7	+2.3	+3.3	+4.4
은평구	26.3	28.4	28.9	29.5	29.9	30.4	30.8	30.4	31.1	28.6	29.7	30.7
		+2.1	+2.6	+3.2	+3.6	+4.1	+4.5	+4.1	+4.8	+2.3	+3.4	+4.4
종로구	26.3	28.3	28.9	29.5	29.9	30.4	30.8	30.4	31.1	28.6	29.7	30.7
		+2.0	+2.6	+3.2	+3.6	+4.1	+4.5	+4.1	+4.8	+2.3	+3.4	+4.4
중구	26.8	28.8	29.5	30.0	30.4	30.9	31.2	30.9	31.6	29.1	30.2	31.3
		+2.0	+2.7	+3.2	+3.6	+4.1	+4.4	+4.1	+4.8	+2.3	+3.4	+4.5
종량구	26.6	28.4	29.0	29.6	30.1	30.5	30.8	30.5	31.3	28.7	29.8	30.9
		+1.8	+2.4	+3.0	+3.5	+3.9	+4.2	+3.9	+4.7	+2.1	+3.2	+4.3



표 4-59. 서울특별시의 일최저기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	26.8	28.7	29.5	30.1	31.0	31.3	32.0	33.1	33.6	29.1	30.6	33.3
		+1.9	+2.7	+3.3	+4.2	+4.5	+5.2	+6.3	+6.8	+2.3	+3.8	+6.5
강남구	27.3	29.1	29.9	30.6	31.4	31.7	32.4	33.5	33.9	29.5	31.0	33.7
		+1.8	+2.6	+3.3	+4.1	+4.4	+5.1	+6.2	+6.6	+2.2	+3.7	+6.4
강동구	26.8	28.8	29.5	30.1	30.9	31.3	32.0	33.0	33.4	29.1	30.5	33.2
		+2.0	+2.7	+3.3	+4.1	+4.5	+5.2	+6.2	+6.6	+2.3	+3.7	+6.4
강북구	26.5	28.5	29.3	29.9	30.7	31.0	31.8	32.8	33.3	28.9	30.3	33.0
		+2.0	+2.8	+3.4	+4.2	+4.5	+5.3	+6.3	+6.8	+2.4	+3.8	+6.5
강서구	26.9	28.8	29.7	30.2	31.1	31.4	32.1	33.3	33.7	29.2	30.7	33.5
		+1.9	+2.8	+3.3	+4.2	+4.5	+5.2	+6.4	+6.8	+2.3	+3.8	+6.6
관악구	26.7	28.7	29.5	30.1	31.0	31.3	31.9	33.1	33.5	29.1	30.5	33.3
		+2.0	+2.8	+3.4	+4.3	+4.6	+5.2	+6.4	+6.8	+2.4	+3.8	+6.6
광진구	27.1	29.0	29.8	30.4	31.3	31.6	32.3	33.4	33.8	29.4	30.9	33.6
		+1.9	+2.7	+3.3	+4.2	+4.5	+5.2	+6.3	+6.7	+2.3	+3.8	+6.5
구로구	27.0	28.9	29.7	30.2	31.1	31.4	32.1	33.3	33.7	29.3	30.7	33.5
		+1.9	+2.7	+3.2	+4.1	+4.4	+5.1	+6.3	+6.7	+2.3	+3.7	+6.5
금천구	27.0	28.9	29.7	30.3	31.1	31.5	32.2	33.3	33.8	29.3	30.7	33.6
		+1.9	+2.7	+3.3	+4.1	+4.5	+5.2	+6.3	+6.8	+2.3	+3.7	+6.6
노원구	26.0	28.2	28.9	29.5	30.3	30.7	31.4	32.4	32.9	28.5	29.9	32.7
		+2.2	+2.9	+3.5	+4.3	+4.7	+5.4	+6.4	+6.9	+2.5	+3.9	+6.7
도봉구	26.0	28.1	28.8	29.4	30.2	30.5	31.3	32.3	32.8	28.4	29.8	32.5
		+2.1	+2.8	+3.4	+4.2	+4.5	+5.3	+6.3	+6.8	+2.4	+3.8	+6.5
동대문구	26.9	28.9	29.7	30.3	31.1	31.5	32.2	33.3	33.7	29.3	30.7	33.5
		+2.0	+2.8	+3.4	+4.2	+4.6	+5.3	+6.4	+6.8	+2.4	+3.8	+6.6
동작구	26.9	28.9	29.7	30.3	31.1	31.5	32.1	33.3	33.7	29.3	30.7	33.5
		+2.0	+2.8	+3.4	+4.2	+4.6	+5.2	+6.4	+6.8	+2.4	+3.8	+6.6
마포구	26.9	28.9	29.7	30.2	31.1	31.4	32.1	33.3	33.7	29.3	30.7	33.5
		+2.0	+2.8	+3.3	+4.2	+4.5	+5.2	+6.4	+6.8	+2.4	+3.8	+6.6
서대문구	26.2	28.3	29.1	29.6	30.5	30.8	31.5	32.6	33.1	28.7	30.0	32.8
		+2.1	+2.9	+3.4	+4.3	+4.6	+5.3	+6.4	+6.9	+2.5	+3.8	+6.6
서초구	27.1	29.0	29.8	30.4	31.2	31.5	32.2	33.4	33.8	29.4	30.8	33.6
		+1.9	+2.7	+3.3	+4.1	+4.4	+5.1	+6.3	+6.7	+2.3	+3.7	+6.5
성동구	27.1	29.0	29.8	30.4	31.3	31.6	32.3	33.4	33.8	29.4	30.9	33.6
		+1.9	+2.7	+3.3	+4.2	+4.5	+5.2	+6.3	+6.7	+2.3	+3.8	+6.5
성북구	26.5	28.6	29.4	29.9	30.8	31.1	31.8	32.9	33.3	29.0	30.3	33.1
		+2.1	+2.9	+3.4	+4.3	+4.6	+5.3	+6.4	+6.8	+2.5	+3.8	+6.6
송파구	27.2	29.1	29.9	30.5	31.3	31.6	32.3	33.4	33.8	29.5	30.9	33.6
		+1.9	+2.7	+3.3	+4.1	+4.4	+5.1	+6.2	+6.6	+2.3	+3.7	+6.4
양천구	27.1	29.0	29.8	30.4	31.2	31.6	32.2	33.4	33.9	29.4	30.8	33.7
		+1.9	+2.7	+3.3	+4.1	+4.5	+5.1	+6.3	+6.8	+2.3	+3.7	+6.6
영등포구	27.5	29.3	30.2	30.7	31.6	31.9	32.6	33.8	34.2	29.8	31.2	34.0
		+1.8	+2.7	+3.2	+4.1	+4.4	+5.1	+6.3	+6.7	+2.3	+3.7	+6.5
용산구	26.8	28.8	29.6	30.2	31.0	31.3	32.0	33.1	33.6	29.2	30.6	33.4
		+2.0	+2.8	+3.4	+4.2	+4.5	+5.2	+6.3	+6.8	+2.4	+3.8	+6.6
은평구	26.3	28.4	29.2	29.7	30.5	30.9	31.6	32.7	33.2	28.8	30.1	32.9
		+2.1	+2.9	+3.4	+4.2	+4.6	+5.3	+6.4	+6.9	+2.5	+3.8	+6.6
종로구	26.3	28.4	29.2	29.7	30.6	30.9	31.6	32.7	33.1	28.8	30.1	32.9
		+2.1	+2.9	+3.4	+4.3	+4.6	+5.3	+6.4	+6.8	+2.5	+3.8	+6.6
중구	26.8	28.8	29.7	30.3	31.1	31.4	32.1	33.2	33.6	29.3	30.7	33.4
		+2.0	+2.9	+3.5	+4.3	+4.6	+5.3	+6.4	+6.8	+2.5	+3.9	+6.6
종랑구	26.6	28.5	29.3	29.9	30.7	31.0	31.8	32.8	33.2	28.9	30.3	33.0
		+1.9	+2.7	+3.3	+4.1	+4.4	+5.2	+6.2	+6.6	+2.3	+3.7	+6.4

표 4-60. 서울특별시의 일최저기온 연최대 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	26.8	28.8	29.6	30.6	30.7	32.4	32.9	33.7	34.6	29.2	30.7	34.1
		+2.0	+2.8	+3.8	+3.9	+5.6	+6.1	+6.9	+7.8	+2.4	+3.9	+7.3
강남구	27.3	29.2	30.0	31.1	31.1	32.8	33.4	34.1	35.0	29.6	31.1	34.5
		+1.9	+2.7	+3.8	+3.8	+5.5	+6.1	+6.8	+7.7	+2.3	+3.8	+7.2
강동구	26.8	28.9	29.7	30.6	30.6	32.4	32.9	33.6	34.6	29.3	30.6	34.1
		+2.1	+2.9	+3.8	+3.8	+5.6	+6.1	+6.8	+7.8	+2.5	+3.8	+7.3
강북구	26.5	28.6	29.3	30.4	30.4	32.2	32.6	33.4	34.3	29.0	30.4	33.8
		+2.1	+2.8	+3.9	+3.9	+5.7	+6.1	+6.9	+7.8	+2.5	+3.9	+7.3
강서구	26.9	28.9	29.7	30.8	30.7	32.5	33.1	33.8	34.7	29.3	30.7	34.3
		+2.0	+2.8	+3.9	+3.8	+5.6	+6.2	+6.9	+7.8	+2.4	+3.8	+7.4
관악구	26.7	28.8	29.6	30.6	30.7	32.4	32.9	33.7	34.6	29.2	30.7	34.1
		+2.1	+2.9	+3.9	+4.0	+5.7	+6.2	+7.0	+7.9	+2.5	+4.0	+7.4
광진구	27.1	29.2	30.0	31.0	31.0	32.8	33.2	33.9	34.9	29.6	31.0	34.4
		+2.1	+2.9	+3.9	+3.9	+5.7	+6.1	+6.8	+7.8	+2.5	+3.9	+7.3
구로구	27.0	28.9	29.7	30.8	30.8	32.6	33.1	33.8	34.7	29.3	30.8	34.3
		+1.9	+2.7	+3.8	+3.8	+5.6	+6.1	+6.8	+7.7	+2.3	+3.8	+7.3
금천구	27.0	29.0	29.8	30.8	30.9	32.6	33.2	33.8	34.8	29.4	30.9	34.3
		+2.0	+2.8	+3.8	+3.9	+5.6	+6.2	+6.8	+7.8	+2.4	+3.9	+7.3
노원구	26.0	28.2	29.0	30.0	30.0	31.8	32.3	33.0	33.9	28.6	30.0	33.5
		+2.2	+3.0	+4.0	+4.0	+5.8	+6.3	+7.0	+7.9	+2.6	+4.0	+7.5
도봉구	26.0	28.1	28.9	29.9	29.9	31.7	32.1	32.9	33.8	28.5	29.9	33.4
		+2.1	+2.9	+3.9	+3.9	+5.7	+6.1	+6.9	+7.8	+2.5	+3.9	+7.4
동대문구	26.9	29.0	29.8	30.8	30.8	32.6	33.1	33.8	34.7	29.4	30.8	34.3
		+2.1	+2.9	+3.9	+3.9	+5.7	+6.2	+6.9	+7.8	+2.5	+3.9	+7.4
동작구	26.9	29.0	29.8	30.8	30.9	32.6	33.1	33.8	34.8	29.4	30.8	34.3
		+2.1	+2.9	+3.9	+4.0	+5.7	+6.2	+6.9	+7.9	+2.5	+3.9	+7.4
마포구	26.9	28.9	29.7	30.8	30.8	32.6	33.1	33.8	34.7	29.3	30.8	34.3
		+2.0	+2.8	+3.9	+3.9	+5.7	+6.2	+6.9	+7.8	+2.4	+3.9	+7.4
서대문구	26.2	28.3	29.1	30.1	30.1	32.0	32.5	33.2	34.1	28.7	30.1	33.6
		+2.1	+2.9	+3.9	+3.9	+5.8	+6.3	+7.0	+7.9	+2.5	+3.9	+7.4
서초구	27.1	29.1	29.9	30.9	30.9	32.7	33.2	33.9	34.9	29.5	30.9	34.4
		+2.0	+2.8	+3.8	+3.8	+5.6	+6.1	+6.8	+7.8	+2.4	+3.8	+7.3
성동구	27.1	29.1	29.9	31.0	31.0	32.8	33.3	34.0	34.9	29.5	31.0	34.4
		+2.0	+2.8	+3.9	+3.9	+5.7	+6.2	+6.9	+7.8	+2.4	+3.9	+7.3
성북구	26.5	28.6	29.4	30.4	30.4	32.3	32.7	33.5	34.3	29.0	30.4	33.9
		+2.1	+2.9	+3.9	+3.9	+5.8	+6.2	+7.0	+7.8	+2.5	+3.9	+7.4
송파구	27.2	29.2	30.0	31.0	31.0	32.8	33.2	34.0	34.9	29.6	31.0	34.4
		+2.0	+2.8	+3.8	+3.8	+5.6	+6.0	+6.8	+7.7	+2.4	+3.8	+7.2
양천구	27.1	29.1	29.8	30.9	30.9	32.7	33.2	34.0	34.9	29.4	30.9	34.4
		+2.0	+2.7	+3.8	+3.8	+5.6	+6.1	+6.9	+7.8	+2.3	+3.8	+7.3
영등포구	27.5	29.4	30.2	31.2	31.3	33.1	33.6	34.3	35.2	29.8	31.3	34.8
		+1.9	+2.7	+3.7	+3.8	+5.6	+6.1	+6.8	+7.7	+2.3	+3.8	+7.3
용산구	26.8	28.8	29.6	30.7	30.7	32.5	33.0	33.7	34.6	29.2	30.7	34.2
		+2.0	+2.8	+3.9	+3.9	+5.7	+6.2	+6.9	+7.8	+2.4	+3.9	+7.4
은평구	26.3	28.4	29.2	30.2	30.2	32.0	32.5	33.3	34.2	28.8	30.2	33.7
		+2.1	+2.9	+3.9	+3.9	+5.7	+6.2	+7.0	+7.9	+2.5	+3.9	+7.4
종로구	26.3	28.4	29.2	30.3	30.2	32.1	32.6	33.3	34.2	28.8	30.3	33.7
		+2.1	+2.9	+4.0	+3.9	+5.8	+6.3	+7.0	+7.9	+2.5	+4.0	+7.4
중구	26.8	28.9	29.7	30.8	30.7	32.6	33.1	33.8	34.7	29.3	30.7	34.2
		+2.1	+2.9	+4.0	+3.9	+5.8	+6.3	+7.0	+7.9	+2.5	+3.9	+7.4
종량구	26.6	28.6	29.4	30.4	30.4	32.2	32.6	33.4	34.3	29.0	30.4	33.9
		+2.0	+2.8	+3.8	+3.8	+5.6	+6.0	+6.8	+7.7	+2.4	+3.8	+7.3

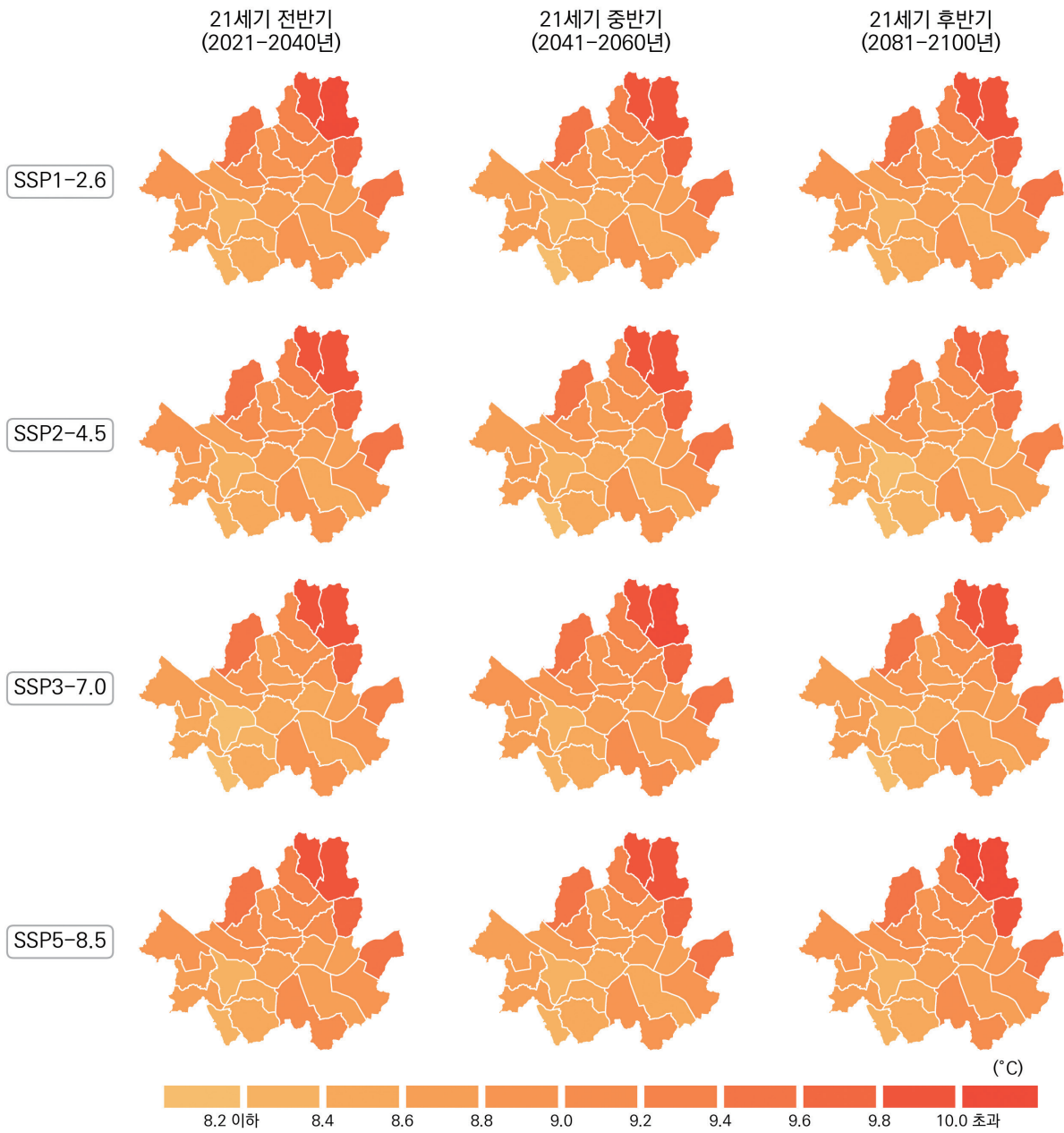


그림 4-25. 서울특별시의 일교차(°C) 전망 분포도

표 4-61. 서울특별시의 일교차 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	8.9	9.0	9.0	9.0	8.9	8.9	9.0	9.0	9.0	9.0	8.9	9.0
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.1	+0.1	+0.1	+0.1	+0.0
강남구	8.6	8.7	8.7	8.6	8.6	8.5	8.7	8.6	8.7	8.7	8.6	8.6
		+0.1	+0.1	+0.0	+0.0	-0.1	+0.1	+0.0	+0.1	+0.1	+0.0	+0.0
강동구	9.5	9.6	9.5	9.5	9.5	9.4	9.6	9.6	9.5	9.6	9.5	9.6
		+0.1	+0.0	+0.0	+0.0	-0.1	+0.1	+0.1	+0.0	+0.1	+0.0	+0.1
강북구	9.2	9.4	9.4	9.3	9.2	9.2	9.3	9.3	9.3	9.4	9.3	9.3
		+0.2	+0.2	+0.1	+0.0	+0.0	+0.1	+0.1	+0.1	+0.2	+0.1	+0.1
강서구	8.8	8.9	8.9	8.9	8.8	8.8	8.9	8.8	8.9	8.9	8.8	8.9
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.0	+0.1	+0.1	+0.0	+0.1
관악구	8.5	8.6	8.6	8.6	8.5	8.5	8.6	8.6	8.6	8.6	8.5	8.6
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.1	+0.1	+0.1	+0.0	+0.1
광진구	8.7	8.8	8.8	8.8	8.7	8.7	8.8	8.8	8.8	8.8	8.7	8.8
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.1	+0.1	+0.1	+0.0	+0.1
구로구	8.7	8.8	8.8	8.7	8.7	8.6	8.8	8.7	8.8	8.8	8.7	8.7
		+0.1	+0.1	+0.0	+0.0	-0.1	+0.1	+0.0	+0.1	+0.1	+0.0	+0.0
금천구	8.2	8.3	8.3	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.2	8.3
		+0.1	+0.1	+0.0	+0.0	+0.0	+0.1	+0.1	+0.1	+0.1	+0.0	+0.1
노원구	10.0	10.1	10.1	10.0	9.9	9.9	10.0	10.0	10.0	10.1	10.0	10.0
		+0.1	+0.1	+0.0	-0.1	-0.1	+0.0	+0.0	+0.0	+0.1	+0.0	+0.0
도봉구	9.9	10.1	10.0	10.0	9.9	9.9	10.0	10.0	10.0	10.0	9.9	10.0
		+0.2	+0.1	+0.1	+0.0	+0.0	+0.1	+0.1	+0.1	+0.1	+0.0	+0.1
동대문구	9.0	9.1	9.1	9.1	9.0	9.0	9.1	9.1	9.1	9.1	9.0	9.1
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.1	+0.1	+0.1	+0.0	+0.1
동작구	8.5	8.6	8.6	8.5	8.5	8.5	8.6	8.5	8.6	8.6	8.5	8.5
		+0.1	+0.1	+0.0	+0.0	+0.0	+0.1	+0.0	+0.1	+0.1	+0.0	+0.0
마포구	8.8	8.9	8.8	8.8	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8
		+0.1	+0.0	+0.0	-0.1	-0.1	+0.0	+0.0	+0.0	+0.0	+0.0	+0.0
서대문구	9.0	9.1	9.1	9.1	9.0	9.0	9.1	9.1	9.1	9.1	9.0	9.1
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.1	+0.1	+0.1	+0.0	+0.1
서초구	8.9	9.1	9.0	9.0	9.0	8.9	9.0	9.0	9.0	9.0	9.0	9.0
		+0.2	+0.1	+0.1	+0.1	+0.0	+0.1	+0.1	+0.1	+0.1	+0.1	+0.1
성동구	8.6	8.8	8.7	8.7	8.7	8.6	8.7	8.7	8.7	8.7	8.7	8.7
		+0.2	+0.1	+0.1	+0.1	+0.0	+0.1	+0.1	+0.1	+0.1	+0.1	+0.1
성북구	8.9	9.1	9.1	9.0	9.0	8.9	9.0	9.0	9.0	9.1	9.0	9.0
		+0.2	+0.2	+0.1	+0.1	+0.0	+0.1	+0.1	+0.1	+0.2	+0.1	+0.1
송파구	8.9	9.0	9.0	9.0	8.9	8.9	9.0	9.0	9.0	9.0	8.9	9.0
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.1	+0.1	+0.1	+0.0	+0.1
양천구	8.7	8.8	8.8	8.7	8.7	8.6	8.7	8.7	8.7	8.8	8.7	8.7
		+0.1	+0.1	+0.0	+0.0	-0.1	+0.0	+0.0	+0.0	+0.1	+0.0	+0.0
영등포구	8.3	8.4	8.4	8.3	8.3	8.2	8.3	8.3	8.3	8.4	8.3	8.3
		+0.1	+0.1	+0.0	+0.0	-0.1	+0.0	+0.0	+0.0	+0.1	+0.0	+0.0
용산구	8.6	8.7	8.7	8.7	8.6	8.6	8.7	8.7	8.7	8.7	8.6	8.7
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.1	+0.1	+0.1	+0.0	+0.1
은평구	9.5	9.6	9.6	9.5	9.5	9.5	9.6	9.5	9.5	9.6	9.5	9.5
		+0.1	+0.1	+0.0	+0.0	+0.0	+0.1	+0.0	+0.0	+0.1	+0.0	+0.0
종로구	8.8	8.9	8.9	8.9	8.8	8.8	8.9	8.8	8.9	8.9	8.8	8.9
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.0	+0.1	+0.1	+0.0	+0.1
중구	8.8	8.9	8.9	8.8	8.8	8.8	8.9	8.8	8.9	8.9	8.8	8.8
		+0.1	+0.1	+0.0	+0.0	+0.0	+0.1	+0.0	+0.1	+0.1	+0.0	+0.0
종량구	9.7	9.8	9.8	9.8	9.7	9.7	9.8	9.8	9.8	9.8	9.7	9.8
		+0.1	+0.1	+0.1	+0.0	+0.0	+0.1	+0.1	+0.1	+0.1	+0.0	+0.1

표 4-62. 서울특별시의 일교차 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	8.9	9.0	8.9	8.9	9.0	8.9	8.9	8.8	8.9	9.0	8.9	8.8
		+0.1	+0.0	+0.0	+0.1	+0.0	+0.0	-0.1	+0.0	+0.1	+0.0	-0.1
강남구	8.6	8.7	8.6	8.5	8.6	8.6	8.6	8.5	8.5	8.6	8.6	8.5
		+0.1	+0.0	-0.1	+0.0	+0.0	+0.0	-0.1	-0.1	+0.0	+0.0	-0.1
강동구	9.5	9.6	9.5	9.4	9.5	9.5	9.5	9.4	9.4	9.5	9.5	9.4
		+0.1	+0.0	-0.1	+0.0	+0.0	+0.0	-0.1	-0.1	+0.0	+0.0	-0.1
강북구	9.2	9.4	9.3	9.2	9.3	9.3	9.2	9.1	9.2	9.3	9.2	9.1
		+0.2	+0.1	+0.0	+0.1	+0.1	+0.0	-0.1	+0.0	+0.1	+0.0	-0.1
강서구	8.8	8.9	8.8	8.8	8.8	8.8	8.8	8.7	8.7	8.9	8.8	8.7
		+0.1	+0.0	+0.0	+0.0	+0.0	+0.0	-0.1	-0.1	+0.1	+0.0	-0.1
관악구	8.5	8.6	8.5	8.5	8.6	8.5	8.5	8.4	8.4	8.6	8.5	8.4
		+0.1	+0.0	+0.0	+0.1	+0.0	+0.0	-0.1	-0.1	+0.1	+0.0	-0.1
광진구	8.7	8.9	8.7	8.7	8.8	8.7	8.7	8.6	8.6	8.8	8.7	8.6
		+0.2	+0.0	+0.0	+0.1	+0.0	+0.0	-0.1	-0.1	+0.1	+0.0	-0.1
구로구	8.7	8.8	8.7	8.6	8.7	8.7	8.6	8.6	8.6	8.7	8.7	8.6
		+0.1	+0.0	-0.1	+0.0	+0.0	-0.1	-0.1	-0.1	+0.0	+0.0	-0.1
금천구	8.2	8.3	8.2	8.2	8.3	8.2	8.2	8.1	8.1	8.3	8.2	8.1
		+0.1	+0.0	+0.0	+0.1	+0.0	+0.0	-0.1	-0.1	+0.1	+0.0	-0.1
노원구	10.0	10.1	10.0	9.9	10.0	9.9	9.9	9.8	9.9	10.0	9.9	9.8
		+0.1	+0.0	-0.1	+0.0	-0.1	-0.1	-0.2	-0.1	+0.0	-0.1	-0.2
도봉구	9.9	10.1	9.9	9.9	10.0	9.9	9.9	9.8	9.8	10.0	9.9	9.8
		+0.2	+0.0	+0.0	+0.1	+0.0	+0.0	-0.1	-0.1	+0.1	+0.0	-0.1
동대문구	9.0	9.1	9.0	9.0	9.0	9.0	9.0	8.9	8.9	9.1	9.0	8.9
		+0.1	+0.0	+0.0	+0.0	+0.0	+0.0	-0.1	-0.1	+0.1	+0.0	-0.1
동작구	8.5	8.6	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.6	8.5	8.4
		+0.1	+0.0	+0.0	+0.0	+0.0	+0.0	-0.1	-0.1	+0.1	+0.0	-0.1
마포구	8.8	8.9	8.8	8.7	8.8	8.8	8.7	8.6	8.7	8.8	8.7	8.7
		+0.1	+0.0	-0.1	+0.0	+0.0	-0.1	-0.2	-0.1	+0.0	-0.1	-0.1
서대문구	9.0	9.2	9.0	9.0	9.1	9.0	9.0	8.9	8.9	9.1	9.0	8.9
		+0.2	+0.0	+0.0	+0.1	+0.0	+0.0	-0.1	-0.1	+0.1	+0.0	-0.1
서초구	8.9	9.1	9.0	8.9	9.0	9.0	8.9	8.8	8.9	9.0	9.0	8.9
		+0.2	+0.1	+0.0	+0.1	+0.1	+0.0	-0.1	+0.0	+0.1	+0.1	+0.0
성동구	8.6	8.8	8.7	8.6	8.7	8.7	8.6	8.5	8.6	8.7	8.6	8.6
		+0.2	+0.1	+0.0	+0.1	+0.1	+0.0	-0.1	+0.0	+0.1	+0.0	+0.0
성북구	8.9	9.1	9.0	8.9	9.0	9.0	8.9	8.8	8.9	9.0	9.0	8.9
		+0.2	+0.1	+0.0	+0.1	+0.1	+0.0	-0.1	+0.0	+0.1	+0.1	+0.0
송파구	8.9	9.0	8.9	8.9	8.9	8.9	8.9	8.8	8.8	9.0	8.9	8.8
		+0.1	+0.0	+0.0	+0.0	+0.0	+0.0	-0.1	-0.1	+0.1	+0.0	-0.1
양천구	8.7	8.8	8.7	8.6	8.7	8.6	8.6	8.5	8.6	8.7	8.7	8.6
		+0.1	+0.0	-0.1	+0.0	-0.1	-0.1	-0.2	-0.1	+0.0	+0.0	-0.1
영등포구	8.3	8.4	8.3	8.2	8.3	8.3	8.2	8.2	8.2	8.3	8.3	8.2
		+0.1	+0.0	-0.1	+0.0	+0.0	-0.1	-0.1	-0.1	+0.0	+0.0	-0.1
용산구	8.6	8.7	8.6	8.6	8.7	8.6	8.6	8.5	8.5	8.7	8.6	8.5
		+0.1	+0.0	+0.0	+0.1	+0.0	+0.0	-0.1	-0.1	+0.1	+0.0	-0.1
은평구	9.5	9.6	9.5	9.5	9.5	9.5	9.5	9.3	9.4	9.6	9.5	9.4
		+0.1	+0.0	+0.0	+0.0	+0.0	+0.0	-0.2	-0.1	+0.1	+0.0	-0.1
종로구	8.8	8.9	8.8	8.8	8.9	8.8	8.8	8.7	8.7	8.9	8.8	8.7
		+0.1	+0.0	+0.0	+0.1	+0.0	+0.0	-0.1	-0.1	+0.1	+0.0	-0.1
중구	8.8	8.9	8.8	8.8	8.8	8.8	8.8	8.7	8.7	8.9	8.8	8.7
		+0.1	+0.0	+0.0	+0.0	+0.0	+0.0	-0.1	-0.1	+0.1	+0.0	-0.1
종랑구	9.7	9.8	9.7	9.7	9.8	9.7	9.7	9.6	9.6	9.8	9.7	9.6
		+0.1	+0.0	+0.0	+0.1	+0.0	+0.0	-0.1	-0.1	+0.1	+0.0	-0.1

표 4-63. 서울특별시의 일교차 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	8.9	8.9	8.9	9.1	9.0	8.9	8.8	8.9	9.0	8.9	9.0	9.0
		+0.0	+0.0	+0.2	+0.1	+0.0	-0.1	+0.0	+0.1	+0.0	+0.1	+0.1
강남구	8.6	8.6	8.5	8.8	8.6	8.6	8.4	8.6	8.6	8.5	8.7	8.6
		+0.0	-0.1	+0.2	+0.0	+0.0	-0.2	+0.0	+0.0	-0.1	+0.1	+0.0
강동구	9.5	9.5	9.4	9.7	9.6	9.5	9.3	9.5	9.5	9.4	9.6	9.5
		+0.0	-0.1	+0.2	+0.1	+0.0	-0.2	+0.0	+0.0	-0.1	+0.1	+0.0
강북구	9.2	9.2	9.2	9.4	9.3	9.2	9.1	9.3	9.3	9.2	9.4	9.3
		+0.0	+0.0	+0.2	+0.1	+0.0	-0.1	+0.1	+0.1	+0.0	+0.2	+0.1
강서구	8.8	8.8	8.8	9.0	8.9	8.8	8.6	8.8	8.8	8.8	8.9	8.8
		+0.0	+0.0	+0.2	+0.1	+0.0	-0.2	+0.0	+0.0	+0.0	+0.1	+0.0
관악구	8.5	8.5	8.5	8.7	8.6	8.5	8.3	8.5	8.5	8.5	8.6	8.5
		+0.0	+0.0	+0.2	+0.1	+0.0	-0.2	+0.0	+0.0	+0.0	+0.1	+0.0
광진구	8.7	8.7	8.7	8.9	8.8	8.7	8.5	8.8	8.8	8.7	8.8	8.8
		+0.0	+0.0	+0.2	+0.1	+0.0	-0.2	+0.1	+0.1	+0.0	+0.1	+0.1
구로구	8.7	8.7	8.6	8.8	8.7	8.7	8.5	8.7	8.7	8.6	8.8	8.7
		+0.0	-0.1	+0.1	+0.0	+0.0	-0.2	+0.0	+0.0	-0.1	+0.1	+0.0
금천구	8.2	8.2	8.2	8.4	8.3	8.2	8.0	8.2	8.2	8.2	8.3	8.2
		+0.0	+0.0	+0.2	+0.1	+0.0	-0.2	+0.0	+0.0	+0.0	+0.1	+0.0
노원구	10.0	9.9	9.9	10.1	10.0	9.9	9.7	10.0	10.0	9.9	10.1	10.0
		-0.1	-0.1	+0.1	+0.0	-0.1	-0.3	+0.0	+0.0	-0.1	+0.1	+0.0
도봉구	9.9	9.9	9.9	10.1	10.0	9.9	9.7	9.9	10.0	9.9	10.0	9.9
		+0.0	+0.0	+0.2	+0.1	+0.0	-0.2	+0.0	+0.1	+0.0	+0.1	+0.0
동대문구	9.0	9.0	9.0	9.2	9.1	9.0	8.8	9.0	9.0	9.0	9.1	9.0
		+0.0	+0.0	+0.2	+0.1	+0.0	-0.2	+0.0	+0.0	+0.0	+0.1	+0.0
동작구	8.5	8.5	8.4	8.7	8.5	8.5	8.3	8.5	8.5	8.4	8.6	8.5
		+0.0	-0.1	+0.2	+0.0	+0.0	-0.2	+0.0	+0.0	-0.1	+0.1	+0.0
마포구	8.8	8.7	8.7	8.9	8.8	8.8	8.6	8.8	8.8	8.7	8.9	8.8
		-0.1	-0.1	+0.1	+0.0	+0.0	-0.2	+0.0	+0.0	-0.1	+0.1	+0.0
서대문구	9.0	9.0	9.0	9.2	9.0	9.0	8.8	9.0	9.0	9.0	9.1	9.0
		+0.0	+0.0	+0.2	+0.0	+0.0	-0.2	+0.0	+0.0	+0.0	+0.1	+0.0
서초구	8.9	8.9	8.9	9.1	9.0	9.0	8.8	9.0	9.0	8.9	9.1	9.0
		+0.0	+0.0	+0.2	+0.1	+0.1	-0.1	+0.1	+0.1	+0.0	+0.2	+0.1
성동구	8.6	8.6	8.6	8.8	8.7	8.7	8.5	8.7	8.7	8.6	8.8	8.7
		+0.0	+0.0	+0.2	+0.1	+0.1	-0.1	+0.1	+0.1	+0.0	+0.2	+0.1
성북구	8.9	8.9	8.9	9.2	9.0	9.0	8.8	9.0	9.0	8.9	9.1	9.0
		+0.0	+0.0	+0.3	+0.1	+0.1	-0.1	+0.1	+0.1	+0.0	+0.2	+0.1
송파구	8.9	8.9	8.9	9.1	9.0	8.9	8.7	8.9	9.0	8.9	9.0	8.9
		+0.0	+0.0	+0.2	+0.1	+0.0	-0.2	+0.0	+0.1	+0.0	+0.1	+0.0
양천구	8.7	8.6	8.6	8.8	8.7	8.7	8.5	8.7	8.7	8.6	8.8	8.7
		-0.1	-0.1	+0.1	+0.0	+0.0	-0.2	+0.0	+0.0	-0.1	+0.1	+0.0
영등포구	8.3	8.3	8.2	8.4	8.3	8.3	8.1	8.3	8.3	8.2	8.4	8.3
		+0.0	-0.1	+0.1	+0.0	+0.0	-0.2	+0.0	+0.0	-0.1	+0.1	+0.0
용산구	8.6	8.6	8.6	8.8	8.6	8.6	8.4	8.6	8.6	8.6	8.7	8.6
		+0.0	+0.0	+0.2	+0.0	+0.0	-0.2	+0.0	+0.0	+0.0	+0.1	+0.0
은평구	9.5	9.5	9.4	9.7	9.5	9.5	9.3	9.5	9.5	9.5	9.6	9.5
		+0.0	-0.1	+0.2	+0.0	+0.0	-0.2	+0.0	+0.0	+0.0	+0.1	+0.0
종로구	8.8	8.8	8.8	9.0	8.9	8.8	8.6	8.8	8.8	8.8	8.9	8.8
		+0.0	+0.0	+0.2	+0.1	+0.0	-0.2	+0.0	+0.0	+0.0	+0.1	+0.0
중구	8.8	8.8	8.8	9.0	8.8	8.8	8.6	8.8	8.8	8.8	8.9	8.8
		+0.0	+0.0	+0.2	+0.0	+0.0	-0.2	+0.0	+0.0	+0.0	+0.1	+0.0
종량구	9.7	9.7	9.7	9.9	9.8	9.7	9.5	9.7	9.8	9.7	9.8	9.8
		+0.0	+0.0	+0.2	+0.1	+0.0	-0.2	+0.0	+0.1	+0.0	+0.1	+0.1

표 4-64. 서울특별시의 일교차 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	8.9	9.1 +0.2	9.0 +0.1	9.0 +0.1	8.9 +0.0	9.1 +0.2	8.9 +0.0	9.0 +0.1	9.1 +0.2	9.0 +0.1	9.0 +0.1	9.0 +0.1
강남구	8.6	8.7 +0.1	8.7 +0.1	8.7 +0.1	8.6 +0.0	8.7 +0.1	8.6 +0.0	8.7 +0.1	8.7 +0.1	8.7 +0.1	8.6 +0.0	8.7 +0.1
강동구	9.5	9.6 +0.1	9.6 +0.1	9.6 +0.1	9.5 +0.0	9.6 +0.1	9.5 +0.0	9.6 +0.1	9.6 +0.1	9.6 +0.1	9.5 +0.0	9.6 +0.1
강북구	9.2	9.4 +0.2	9.3 +0.1	9.3 +0.1	9.2 +0.0	9.4 +0.2	9.3 +0.1	9.4 +0.2	9.4 +0.2	9.4 +0.2	9.3 +0.1	9.4 +0.2
강서구	8.8	9.0 +0.2	8.9 +0.1	8.9 +0.1	8.8 +0.0	8.9 +0.1	8.8 +0.0	8.9 +0.1	8.9 +0.1	8.9 +0.1	8.8 +0.0	8.9 +0.1
관악구	8.5	8.7 +0.2	8.6 +0.1	8.6 +0.1	8.5 +0.0	8.7 +0.2	8.5 +0.0	8.6 +0.1	8.6 +0.1	8.6 +0.1	8.6 +0.1	8.6 +0.1
광진구	8.7	8.8 +0.1	8.8 +0.1	8.8 +0.1	8.7 +0.0	8.9 +0.2	8.7 +0.0	8.9 +0.2	8.9 +0.2	8.8 +0.1	8.7 +0.0	8.9 +0.2
구로구	8.7	8.8 +0.1	8.8 +0.1	8.8 +0.1	8.7 +0.0	8.8 +0.1	8.7 +0.0	8.8 +0.1	8.8 +0.1	8.8 +0.1	8.7 +0.0	8.8 +0.1
금천구	8.2	8.3 +0.1	8.3 +0.1	8.3 +0.1	8.2 +0.0	8.3 +0.1	8.2 +0.0	8.3 +0.1	8.3 +0.1	8.3 +0.1	8.3 +0.1	8.3 +0.1
노원구	10.0	10.1 +0.1	10.0 +0.0	10.0 +0.0	9.9 -0.1	10.1 +0.1	10.0 +0.0	10.1 +0.1	10.1 +0.1	10.0 +0.0	10.0 +0.0	10.1 +0.1
도봉구	9.9	10.1 +0.2	10.0 +0.1	10.0 +0.1	9.9 +0.0	10.1 +0.2	10.0 +0.1	10.1 +0.2	10.1 +0.2	10.0 +0.1	9.9 +0.0	10.1 +0.2
동대문구	9.0	9.1 +0.1	9.1 +0.1	9.1 +0.1	9.0 +0.0	9.2 +0.2	9.0 +0.0	9.1 +0.1	9.1 +0.1	9.1 +0.1	9.0 +0.0	9.1 +0.1
동작구	8.5	8.6 +0.1	8.6 +0.1	8.6 +0.1	8.5 +0.0	8.6 +0.1	8.5 +0.0	8.6 +0.1	8.6 +0.1	8.6 +0.1	8.5 +0.0	8.6 +0.1
마포구	8.8	8.9 +0.1	8.8 +0.0	8.8 +0.0	8.7 -0.1	8.9 +0.1	8.7 -0.1	8.9 +0.1	8.9 +0.1	8.9 +0.1	8.8 +0.0	8.9 +0.1
서대문구	9.0	9.1 +0.1	9.1 +0.1	9.1 +0.1	9.0 +0.0	9.2 +0.2	9.0 +0.0	9.1 +0.1	9.1 +0.1	9.1 +0.1	9.1 +0.1	9.1 +0.1
서초구	8.9	9.1 +0.2	9.1 +0.2	9.0 +0.1	9.0 +0.1	9.1 +0.2	9.0 +0.1	9.1 +0.2	9.1 +0.2	9.1 +0.2	9.0 +0.1	9.1 +0.2
성동구	8.6	8.8 +0.2	8.7 +0.1	8.7 +0.1	8.6 +0.0	8.8 +0.2	8.7 +0.1	8.8 +0.2	8.8 +0.2	8.8 +0.2	8.7 +0.1	8.8 +0.2
성북구	8.9	9.1 +0.2	9.0 +0.1	9.0 +0.1	9.0 +0.1	9.1 +0.2	9.0 +0.1	9.1 +0.2	9.1 +0.2	9.1 +0.2	9.0 +0.1	9.1 +0.2
송파구	8.9	9.0 +0.1	9.0 +0.1	9.0 +0.1	8.9 +0.0	9.1 +0.2	8.9 +0.0	9.0 +0.1	9.1 +0.2	9.0 +0.1	8.9 +0.0	9.0 +0.1
양천구	8.7	8.8 +0.1	8.8 +0.1	8.7 +0.0	8.6 -0.1	8.8 +0.1	8.7 +0.0	8.7 +0.0	8.7 +0.0	8.8 +0.1	8.7 +0.0	8.7 +0.0
영등포구	8.3	8.4 +0.1	8.4 +0.1	8.4 +0.1	8.3 +0.0	8.4 +0.1	8.3 +0.0	8.4 +0.1	8.4 +0.1	8.4 +0.1	8.3 +0.0	8.4 +0.1
용산구	8.6	8.7 +0.1	8.7 +0.1	8.7 +0.1	8.6 +0.0	8.8 +0.2	8.6 +0.0	8.7 +0.1	8.7 +0.1	8.7 +0.1	8.6 +0.0	8.7 +0.1
은평구	9.5	9.6 +0.1	9.6 +0.1	9.6 +0.1	9.5 +0.0	9.6 +0.1	9.5 +0.0	9.6 +0.1	9.6 +0.1	9.6 +0.1	9.5 +0.0	9.6 +0.1
종로구	8.8	8.9 +0.1	8.9 +0.1	8.9 +0.1	8.8 +0.0	9.0 +0.2	8.8 +0.0	8.9 +0.1	8.9 +0.1	8.9 +0.1	8.8 +0.0	8.9 +0.1
중구	8.8	8.9 +0.1	8.9 +0.1	8.9 +0.1	8.8 +0.0	8.9 +0.1	8.8 +0.0	8.9 +0.1	8.9 +0.1	8.9 +0.1	8.8 +0.0	8.9 +0.1
중랑구	9.7	9.9 +0.2	9.8 +0.1	9.8 +0.1	9.7 +0.0	9.9 +0.2	9.7 +0.0	9.8 +0.1	9.9 +0.2	9.8 +0.1	9.7 +0.0	9.9 +0.2

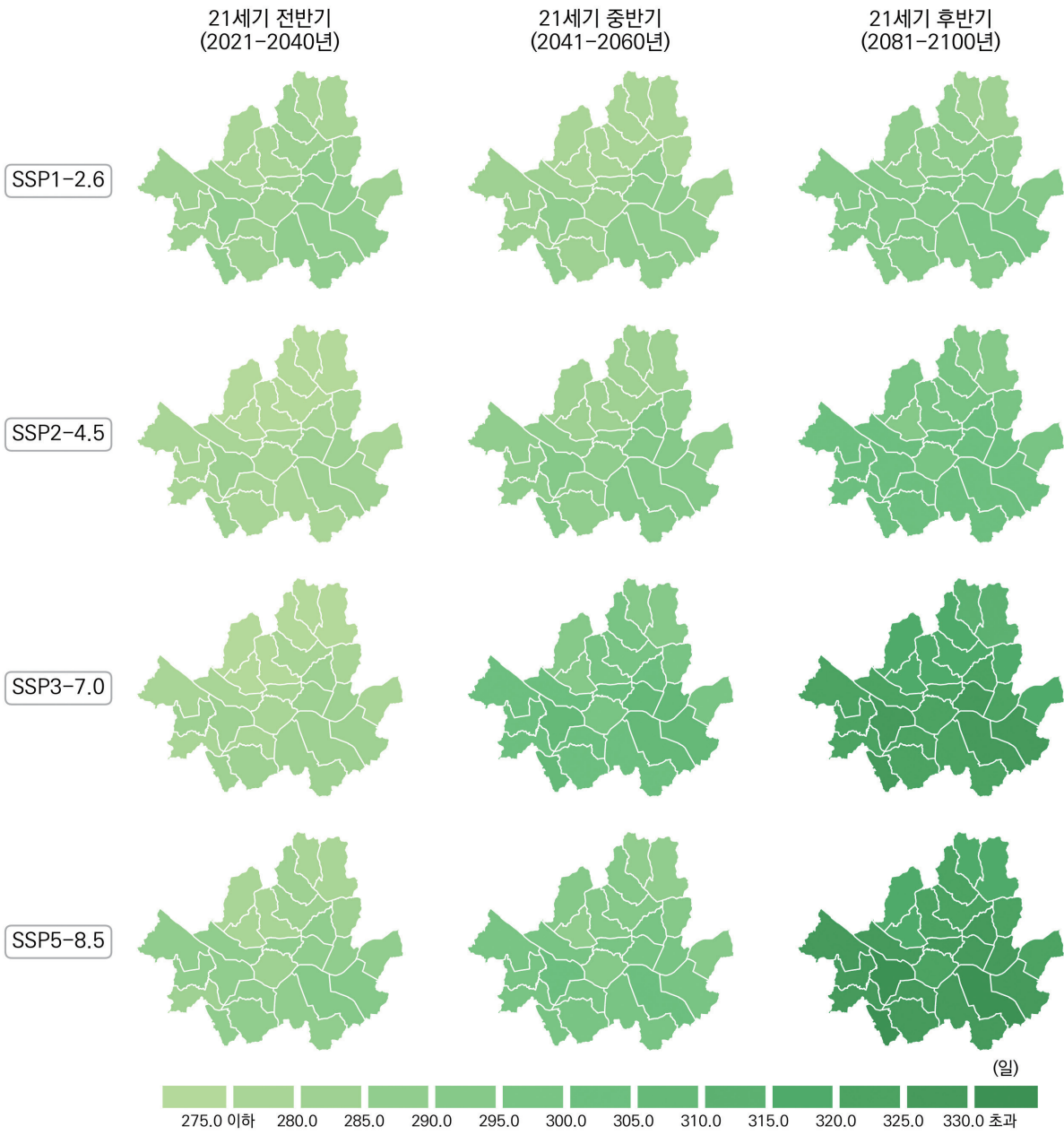


그림 4-26. 서울특별시의 식물성장가능기간(일) 전망 분포도



표 4-65. 서울특별시의 식물성장가능기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	264.5	283.2	283.7	284.9	280.1	285.9	286.5	287.1	295.0	283.4	282.5	291.1
		+18.7	+19.2	+20.4	+15.6	+21.4	+22.0	+22.6	+30.5	+18.9	+18.0	+26.6
강남구	269.4	286.3	289.5	290.9	284.3	290.2	291.6	291.4	299.9	287.9	287.6	295.7
		+16.9	+20.1	+21.5	+14.9	+20.8	+22.2	+22.0	+30.5	+18.5	+18.2	+26.3
강동구	263.1	282.9	282.7	284.4	279.7	285.1	285.9	287.1	294.2	282.8	282.0	290.7
		+19.8	+19.6	+21.3	+16.6	+22.0	+22.8	+24.0	+31.1	+19.7	+18.9	+27.6
강북구	259.8	280.9	279.9	280.6	276.9	282.5	282.9	284.0	291.2	280.4	278.7	287.6
		+21.1	+20.1	+20.8	+17.1	+22.7	+23.1	+24.2	+31.4	+20.6	+18.9	+27.8
강서구	264.9	283.8	283.3	286.2	280.6	287.2	287.0	287.4	295.6	283.6	283.4	291.5
		+18.9	+18.4	+21.3	+15.7	+22.3	+22.1	+22.5	+30.7	+18.7	+18.5	+26.6
관악구	266.0	284.3	285.6	286.6	281.4	287.3	288.4	288.5	296.8	284.9	284.0	292.6
		+18.3	+19.6	+20.6	+15.4	+21.3	+22.4	+22.5	+30.8	+18.9	+18.0	+26.6
광진구	269.6	285.6	288.6	289.9	283.7	289.8	290.9	290.5	299.2	287.1	286.8	294.8
		+16.0	+19.0	+20.3	+14.1	+20.2	+21.3	+20.9	+29.6	+17.5	+17.2	+25.2
구로구	265.3	283.6	283.4	285.3	279.9	286.6	286.6	287.4	295.7	283.5	282.6	291.5
		+18.3	+18.1	+20.0	+14.6	+21.3	+21.3	+22.1	+30.4	+18.2	+17.3	+26.2
금천구	266.8	285.9	287.9	288.0	282.6	289.1	290.2	289.8	298.6	286.9	285.3	294.2
		+19.1	+21.1	+21.2	+15.8	+22.3	+23.4	+23.0	+31.8	+20.1	+18.5	+27.4
노원구	257.2	279.4	277.1	276.8	274.6	279.9	278.9	281.5	288.6	278.3	275.7	285.0
		+22.2	+19.9	+19.6	+17.4	+22.7	+21.7	+24.3	+31.4	+21.1	+18.5	+27.8
도봉구	256.7	279.3	276.5	276.6	274.0	279.6	278.6	281.1	288.1	277.9	275.3	284.6
		+22.6	+19.8	+19.9	+17.3	+22.9	+21.9	+24.4	+31.4	+21.2	+18.6	+27.9
동대문구	267.4	284.4	286.4	288.4	282.4	288.1	289.3	289.3	297.3	285.4	285.4	293.3
		+17.0	+19.0	+21.0	+15.0	+20.7	+21.9	+21.9	+29.9	+18.0	+18.0	+25.9
동작구	265.7	283.9	285.0	286.1	280.8	286.6	287.7	287.9	296.3	284.4	283.5	292.1
		+18.2	+19.3	+20.4	+15.1	+20.9	+22.0	+22.2	+30.6	+18.7	+17.8	+26.4
마포구	265.3	283.6	284.1	286.0	280.8	286.9	287.6	287.6	295.9	283.8	283.4	291.8
		+18.3	+18.8	+20.7	+15.5	+21.6	+22.3	+22.3	+30.6	+18.5	+18.1	+26.5
서대문구	260.2	279.8	278.0	278.1	275.6	280.8	280.4	282.7	289.2	278.9	276.8	285.9
		+19.6	+17.8	+17.9	+15.4	+20.6	+20.2	+22.5	+29.0	+18.7	+16.6	+25.7
서초구	267.1	284.6	285.9	288.3	282.1	288.2	289.6	289.6	298.1	285.2	285.2	293.8
		+17.5	+18.8	+21.2	+15.0	+21.1	+22.5	+22.5	+31.0	+18.1	+18.1	+26.7
성동구	268.9	285.5	288.6	289.9	283.6	289.6	290.6	290.5	299.3	287.0	286.7	294.9
		+16.6	+19.7	+21.0	+14.7	+20.7	+21.7	+21.6	+30.4	+18.1	+17.8	+26.0
성북구	262.8	281.6	281.0	281.7	278.2	283.5	284.8	284.9	292.1	281.3	279.9	288.5
		+18.8	+18.2	+18.9	+15.4	+20.7	+22.0	+22.1	+29.3	+18.5	+17.1	+25.7
송파구	269.7	286.1	289.3	291.0	284.4	290.2	291.3	291.5	299.8	287.7	287.7	295.6
		+16.4	+19.6	+21.3	+14.7	+20.5	+21.6	+21.8	+30.1	+18.0	+18.0	+25.9
양천구	266.0	284.5	284.2	286.9	281.3	287.8	288.0	288.2	296.6	284.4	284.1	292.4
		+18.5	+18.2	+20.9	+15.3	+21.8	+22.0	+22.2	+30.6	+18.4	+18.1	+26.4
영등포구	267.7	286.4	288.6	289.6	283.5	289.3	290.9	290.6	299.3	287.5	286.6	294.9
		+18.7	+20.9	+21.9	+15.8	+21.6	+23.2	+22.9	+31.6	+19.8	+18.9	+27.2
용산구	264.3	282.5	282.5	284.3	279.6	285.5	286.2	286.6	294.3	282.5	281.9	290.4
		+18.2	+18.2	+20.0	+15.3	+21.2	+21.9	+22.3	+30.0	+18.2	+17.6	+26.1
은평구	261.6	280.4	278.8	279.3	276.1	281.9	281.3	283.1	290.6	279.6	277.7	286.9
		+18.8	+17.2	+17.7	+14.5	+20.3	+19.7	+21.5	+29.0	+18.0	+16.1	+25.3
종로구	261.0	280.3	279.1	279.6	276.5	282.1	282.4	283.6	290.4	279.7	278.1	287.0
		+19.3	+18.1	+18.6	+15.5	+21.1	+21.4	+22.6	+29.4	+18.7	+17.1	+26.0
중구	266.0	283.1	283.9	286.7	280.9	286.5	287.9	287.6	295.5	283.5	283.8	291.5
		+17.1	+17.9	+20.7	+14.9	+20.5	+21.9	+21.6	+29.5	+17.5	+17.8	+25.5
종랑구	260.9	281.9	281.4	282.1	278.0	283.9	283.8	285.2	292.5	281.6	280.0	288.9
		+21.0	+20.5	+21.2	+17.1	+23.0	+22.9	+24.3	+31.6	+20.7	+19.1	+28.0

표 4-66. 서울특별시의 식물성장가능기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	264.5	278.4	276.5	288.3	287.4	300.1	294.4	301.8	297.9	277.5	287.8	299.9
		+13.9	+12.0	+23.8	+22.9	+35.6	+29.9	+37.3	+33.4	+13.0	+23.3	+35.4
강남구	269.4	283.4	280.4	293.7	292.2	304.9	299.1	307.2	301.8	281.9	293.0	304.5
		+14.0	+11.0	+24.3	+22.8	+35.5	+29.7	+37.8	+32.4	+12.5	+23.6	+35.1
강동구	263.1	277.2	275.2	287.7	286.5	299.4	294.2	300.1	297.6	276.2	287.1	298.8
		+14.1	+12.1	+24.6	+23.4	+36.3	+31.1	+37.0	+34.5	+13.1	+24.0	+35.7
강북구	259.8	274.8	272.9	284.1	283.8	295.7	291.4	297.8	294.8	273.8	284.0	296.3
		+15.0	+13.1	+24.3	+24.0	+35.9	+31.6	+38.0	+35.0	+14.0	+24.2	+36.5
강서구	264.9	279.4	277.2	289.5	287.5	301.7	294.0	303.4	299.0	278.3	288.5	301.2
		+14.5	+12.3	+24.6	+22.6	+36.8	+29.1	+38.5	+34.1	+13.4	+23.6	+36.3
관악구	266.0	280.0	278.2	290.0	289.5	302.3	296.0	304.2	299.8	279.1	289.8	302.0
		+14.0	+12.2	+24.0	+23.5	+36.3	+30.0	+38.2	+33.8	+13.1	+23.8	+36.0
광진구	269.6	282.5	279.6	293.0	290.7	303.9	298.1	306.2	301.0	281.1	291.8	303.6
		+12.9	+10.0	+23.4	+21.1	+34.3	+28.5	+36.6	+31.4	+11.5	+22.2	+34.0
구로구	265.3	278.8	277.1	288.5	287.9	301.6	294.0	303.1	298.8	277.9	288.2	300.9
		+13.5	+11.8	+23.2	+22.6	+36.3	+28.7	+37.8	+33.5	+12.6	+22.9	+35.6
금천구	266.8	281.9	279.3	292.1	291.7	304.3	297.5	305.8	301.1	280.6	291.9	303.5
		+15.1	+12.5	+25.3	+24.9	+37.5	+30.7	+39.0	+34.3	+13.8	+25.1	+36.7
노원구	257.2	272.5	271.3	280.3	281.5	292.9	289.5	294.6	292.0	271.9	280.9	293.3
		+15.3	+14.1	+23.1	+24.3	+35.7	+32.3	+37.4	+34.8	+14.7	+23.7	+36.1
도봉구	256.7	272.1	271.0	280.1	281.1	292.8	289.1	294.4	291.7	271.6	280.6	293.1
		+15.4	+14.3	+23.4	+24.4	+36.1	+32.4	+37.7	+35.0	+14.9	+23.9	+36.4
동대문구	267.4	280.3	278.0	291.7	288.9	302.1	296.3	303.8	299.8	279.2	290.3	301.8
		+12.9	+10.6	+24.3	+21.5	+34.7	+28.9	+36.4	+32.4	+11.8	+22.9	+34.4
동작구	265.7	279.7	277.5	289.4	288.7	301.4	295.5	303.0	298.9	278.6	289.0	300.9
		+14.0	+11.8	+23.7	+23.0	+35.7	+29.8	+37.3	+33.2	+12.9	+23.3	+35.2
마포구	265.3	279.5	277.6	289.6	287.8	301.0	294.5	303.5	298.5	278.5	288.7	301.0
		+14.2	+12.3	+24.3	+22.5	+35.7	+29.2	+38.2	+33.2	+13.2	+23.4	+35.7
서대문구	260.2	273.5	272.2	281.0	282.8	294.8	290.3	295.7	293.7	272.9	281.9	294.7
		+13.3	+12.0	+20.8	+22.6	+34.6	+30.1	+35.5	+33.5	+12.7	+21.7	+34.5
서초구	267.1	280.7	278.7	292.1	289.8	302.6	296.5	304.6	299.8	279.7	291.0	302.2
		+13.6	+11.6	+25.0	+22.7	+35.5	+29.4	+37.5	+32.7	+12.6	+23.9	+35.1
성동구	268.9	282.4	279.6	292.9	290.9	303.7	298.1	306.1	301.0	281.0	291.9	303.6
		+13.5	+10.7	+24.0	+22.0	+34.8	+29.2	+37.2	+32.1	+12.1	+23.0	+34.7
성북구	262.8	275.7	274.0	285.0	284.8	296.9	292.2	299.0	295.7	274.8	284.9	297.3
		+12.9	+11.2	+22.2	+22.0	+34.1	+29.4	+36.2	+32.9	+12.0	+22.1	+34.5
송파구	269.7	283.5	280.1	293.0	291.8	304.9	298.9	306.6	301.5	281.8	292.4	304.0
		+13.8	+10.4	+23.3	+22.1	+35.2	+29.2	+36.9	+31.8	+12.1	+22.7	+34.3
양천구	266.0	280.4	277.9	290.8	288.6	302.5	295.0	304.4	299.5	279.1	289.7	301.9
		+14.4	+11.9	+24.8	+22.6	+36.5	+29.0	+38.4	+33.5	+13.1	+23.7	+35.9
영등포구	267.7	282.6	280.3	292.9	291.8	304.5	297.9	307.2	301.5	281.5	292.4	304.4
		+14.9	+12.6	+25.2	+24.1	+36.8	+30.2	+39.5	+33.8	+13.8	+24.7	+36.7
용산구	264.3	277.5	276.5	287.7	286.8	299.5	293.8	301.1	297.7	277.0	287.3	299.4
		+13.2	+12.2	+23.4	+22.5	+35.2	+29.5	+36.8	+33.4	+12.7	+23.0	+35.1
은평구	261.6	274.1	272.9	282.2	283.2	295.5	290.5	296.7	294.7	273.5	282.7	295.7
		+12.5	+11.3	+20.6	+21.6	+33.9	+28.9	+35.1	+33.1	+11.9	+21.1	+34.1
종로구	261.0	274.2	273.1	283.3	283.4	295.9	291.2	296.9	294.3	273.7	283.3	295.6
		+13.2	+12.1	+22.3	+22.4	+34.9	+30.2	+35.9	+33.3	+12.7	+22.3	+34.6
중구	266.0	278.2	277.5	290.2	287.9	300.5	294.7	302.2	298.5	277.9	289.0	300.3
		+12.2	+11.5	+24.2	+21.9	+34.5	+28.7	+36.2	+32.5	+11.9	+23.0	+34.3
종량구	260.9	276.0	274.3	285.6	285.1	297.4	292.7	298.9	295.7	275.1	285.4	297.3
		+15.1	+13.4	+24.7	+24.2	+36.5	+31.8	+38.0	+34.8	+14.2	+24.5	+36.4

표 4-67. 서울특별시의 식물성장가능기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	264.5	275.6 +11.1	281.9 +17.4	296.9 +32.4	304.3 +39.8	307.2 +42.7	306.7 +42.2	313.5 +49.0	328.3 +63.8	278.7 +14.2	300.6 +36.1	320.9 +56.4
강남구	269.4	279.6 +10.2	286.5 +17.1	303.1 +33.7	309.9 +40.5	312.3 +42.9	312.5 +43.1	318.9 +49.5	333.7 +64.3	283.0 +13.6	306.5 +37.1	326.3 +56.9
강동구	263.1	274.8 +11.7	281.3 +18.2	295.9 +32.8	303.6 +40.5	306.2 +43.1	305.5 +42.4	311.8 +48.7	326.5 +63.4	278.0 +14.9	299.7 +36.6	319.1 +56.0
강북구	259.8	272.2 +12.4	277.5 +17.7	292.0 +32.2	299.7 +39.9	302.9 +43.1	302.2 +42.4	309.4 +49.6	323.6 +63.8	274.9 +15.1	295.8 +36.0	316.5 +56.7
강서구	264.9	276.8 +11.9	282.9 +18.0	297.8 +32.9	305.5 +40.6	307.9 +43.0	308.1 +43.2	314.1 +49.2	329.7 +64.8	279.9 +15.0	301.7 +36.8	321.9 +57.0
관악구	266.0	277.1 +11.1	284.2 +18.2	299.6 +33.6	306.7 +40.7	309.6 +43.6	309.3 +43.3	316.2 +50.2	331.4 +65.4	280.6 +14.6	303.2 +37.2	323.8 +57.8
광진구	269.6	279.0 +9.4	285.7 +16.1	301.8 +32.2	308.9 +39.3	311.1 +41.5	311.1 +41.5	317.5 +47.9	331.9 +62.3	282.4 +12.8	305.4 +35.8	324.7 +55.1
구로구	265.3	276.1 +10.8	282.8 +17.5	297.6 +32.3	304.9 +39.6	308.1 +42.8	307.4 +42.1	314.4 +49.1	329.6 +64.3	279.5 +14.2	301.3 +36.0	322.0 +56.7
금천구	266.8	279.2 +12.4	286.3 +19.5	302.1 +35.3	308.6 +41.8	311.5 +44.7	311.1 +44.3	318.9 +52.1	333.7 +66.9	282.7 +15.9	305.4 +38.6	326.3 +59.5
노원구	257.2	270.0 +12.8	274.2 +17.0	288.6 +31.4	295.7 +38.5	300.0 +42.8	298.3 +41.1	306.0 +48.8	320.0 +62.8	272.1 +14.9	292.2 +35.0	313.0 +55.8
도봉구	256.7	269.8 +13.1	273.9 +17.2	287.8 +31.1	295.4 +38.7	299.4 +42.7	297.6 +40.9	305.5 +48.8	319.6 +62.9	271.8 +15.1	291.6 +34.9	312.6 +55.9
동대문구	267.4	277.4 +10.0	284.5 +17.1	299.8 +32.4	307.5 +40.1	309.1 +41.7	309.2 +41.8	315.4 +48.0	330.4 +63.0	281.0 +13.6	303.6 +36.2	322.9 +55.5
동작구	265.7	276.5 +10.8	283.4 +17.7	298.8 +33.1	306.1 +40.4	308.9 +43.2	308.2 +42.5	315.2 +49.5	330.1 +64.4	280.0 +14.3	302.4 +36.7	322.7 +57.0
마포구	265.3	276.5 +11.2	283.1 +17.8	298.4 +33.1	305.8 +40.5	308.2 +42.9	308.1 +42.8	314.4 +49.1	329.4 +64.1	279.8 +14.5	302.1 +36.8	321.9 +56.6
서대문구	260.2	270.0 +9.8	276.3 +16.1	289.8 +29.6	297.7 +37.5	302.4 +42.2	300.7 +40.5	308.2 +48.0	322.5 +62.3	273.1 +12.9	293.8 +33.6	315.4 +55.2
서초구	267.1	277.7 +10.6	285.0 +17.9	300.6 +33.5	307.6 +40.5	309.9 +42.8	310.2 +43.1	316.2 +49.1	331.5 +64.4	281.4 +14.3	304.1 +37.0	323.8 +56.7
성동구	268.9	278.9 +10.0	285.7 +16.8	302.1 +33.2	309.0 +40.1	311.2 +42.3	311.4 +42.5	317.8 +48.9	332.4 +63.5	282.3 +13.4	305.5 +36.6	325.1 +56.2
성북구	262.8	273.2 +10.4	278.7 +15.9	293.7 +30.9	301.0 +38.2	304.2 +41.4	304.0 +41.2	310.6 +47.8	325.0 +62.2	276.0 +13.2	297.3 +34.5	317.8 +55.0
송파구	269.7	279.4 +9.7	286.5 +16.8	302.4 +32.7	309.4 +39.7	311.6 +41.9	311.9 +42.2	318.4 +48.7	333.3 +63.6	282.9 +13.2	305.9 +36.2	325.9 +56.2
양천구	266.0	277.5 +11.5	284.3 +18.3	299.0 +33.0	306.4 +40.4	308.8 +42.8	308.8 +42.8	315.5 +49.5	330.8 +64.8	280.9 +14.9	302.7 +36.7	323.1 +57.1
영등포구	267.7	279.9 +12.2	286.8 +19.1	303.3 +35.6	310.1 +42.4	312.2 +44.5	311.3 +43.6	319.4 +51.7	333.8 +66.1	283.4 +15.7	306.7 +39.0	326.6 +58.9
용산구	264.3	275.1 +10.8	281.4 +17.1	296.1 +31.8	303.7 +39.4	306.8 +42.5	306.2 +41.9	312.8 +48.5	327.6 +63.3	278.2 +13.9	299.9 +35.6	320.2 +55.9
은평구	261.6	271.2 +9.6	276.7 +15.1	290.6 +29.0	298.4 +36.8	303.0 +41.4	301.5 +39.9	308.5 +46.9	323.0 +61.4	274.0 +12.4	294.5 +32.9	315.7 +54.1
종로구	261.0	271.1 +10.1	277.4 +16.4	291.5 +30.5	299.2 +38.2	303.2 +42.2	302.1 +41.1	309.0 +48.0	323.7 +62.7	274.2 +13.2	295.4 +34.4	316.4 +55.4
중구	266.0	276.6 +10.6	283.1 +17.1	297.3 +31.3	305.2 +39.2	307.9 +41.9	307.6 +41.6	314.0 +48.0	328.9 +62.9	279.8 +13.8	301.3 +35.3	321.5 +55.5
종랑구	260.9	273.4 +12.5	278.6 +17.7	293.9 +33.0	301.3 +40.4	304.2 +43.3	303.5 +42.6	310.1 +49.2	324.5 +63.6	276.0 +15.1	297.6 +36.7	317.3 +56.4

표 4-68. 서울특별시의 식물성장가능기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	264.5	282.5	287.4	295.9	294.3	310.9	314.7	322.4	328.0	285.0	295.1	325.2
		+18.0	+22.9	+31.4	+29.8	+46.4	+50.2	+57.9	+63.5	+20.5	+30.6	+60.7
강남구	269.4	287.3	293.2	300.9	300.0	315.7	320.1	327.4	333.2	290.2	300.5	330.3
		+17.9	+23.8	+31.5	+30.6	+46.3	+50.7	+58.0	+63.8	+20.8	+31.1	+60.9
강동구	263.1	282.1	288.3	294.8	292.1	309.6	313.3	320.3	325.8	285.2	293.5	323.1
		+19.0	+25.2	+31.7	+29.0	+46.5	+50.2	+57.2	+62.7	+22.1	+30.4	+60.0
강북구	259.8	278.7	283.4	291.8	289.9	306.0	310.2	317.6	323.2	281.0	290.8	320.4
		+18.9	+23.6	+32.0	+30.1	+46.2	+50.4	+57.8	+63.4	+21.2	+31.0	+60.6
강서구	264.9	283.3	287.7	297.2	295.5	312.3	315.5	323.9	330.0	285.5	296.4	327.0
		+18.4	+22.8	+32.3	+30.6	+47.4	+50.6	+59.0	+65.1	+20.6	+31.5	+62.1
관악구	266.0	284.1	289.8	297.7	296.8	313.8	317.1	325.7	331.0	286.9	297.2	328.3
		+18.1	+23.8	+31.7	+30.8	+47.8	+51.1	+59.7	+65.0	+20.9	+31.2	+62.3
광진구	269.6	286.5	292.2	299.9	298.4	314.4	318.5	325.7	331.5	289.4	299.2	328.6
		+16.9	+22.6	+30.3	+28.8	+44.8	+48.9	+56.1	+61.9	+19.8	+29.6	+59.0
구로구	265.3	282.6	287.1	296.6	295.5	312.2	315.4	324.2	330.1	284.9	296.0	327.1
		+17.3	+21.8	+31.3	+30.2	+46.9	+50.1	+58.9	+64.8	+19.6	+30.7	+61.8
금천구	266.8	285.3	292.1	299.7	299.0	315.4	319.3	328.3	333.0	288.7	299.3	330.6
		+18.5	+25.3	+32.9	+32.2	+48.6	+52.5	+61.5	+66.2	+21.9	+32.5	+63.8
노원구	257.2	276.6	279.3	288.7	286.7	302.6	307.6	315.1	319.5	277.9	287.7	317.3
		+19.4	+22.1	+31.5	+29.5	+45.4	+50.4	+57.9	+62.3	+20.7	+30.5	+60.1
도봉구	256.7	276.6	278.7	288.2	286.4	302.2	307.2	314.8	318.9	277.7	287.3	316.8
		+19.9	+22.0	+31.5	+29.7	+45.5	+50.5	+58.1	+62.2	+21.0	+30.6	+60.1
동대문구	267.4	284.6	290.4	298.3	295.9	312.6	316.6	323.8	329.5	287.5	297.1	326.7
		+17.2	+23.0	+30.9	+28.5	+45.2	+49.2	+56.4	+62.1	+20.1	+29.7	+59.3
동작구	265.7	283.0	288.4	296.8	295.9	312.9	316.1	324.2	330.1	285.7	296.4	327.2
		+17.3	+22.7	+31.1	+30.2	+47.2	+50.4	+58.5	+64.4	+20.0	+30.7	+61.5
마포구	265.3	283.3	288.3	296.9	295.4	312.6	315.5	323.8	329.3	285.8	296.1	326.5
		+18.0	+23.0	+31.6	+30.1	+47.3	+50.2	+58.5	+64.0	+20.5	+30.8	+61.2
서대문구	260.2	276.8	280.0	290.5	288.9	305.4	309.5	316.2	323.5	278.4	289.7	319.9
		+16.6	+19.8	+30.3	+28.7	+45.2	+49.3	+56.0	+63.3	+18.2	+29.5	+59.7
서초구	267.1	285.0	290.7	298.2	297.1	314.0	317.3	326.0	330.9	287.8	297.7	328.4
		+17.9	+23.6	+31.1	+30.0	+46.9	+50.2	+58.9	+63.8	+20.7	+30.6	+61.3
성동구	268.9	286.4	292.2	300.1	298.7	314.9	319.1	326.2	331.9	289.3	299.4	329.0
		+17.5	+23.3	+31.2	+29.8	+46.0	+50.2	+57.3	+63.0	+20.4	+30.5	+60.1
성북구	262.8	280.2	284.9	293.1	290.8	307.7	311.4	318.7	324.7	282.5	292.0	321.7
		+17.4	+22.1	+30.3	+28.0	+44.9	+48.6	+55.9	+61.9	+19.7	+29.2	+58.9
송파구	269.7	287.3	293.5	300.6	299.2	315.3	319.6	326.5	332.6	290.4	299.9	329.5
		+17.6	+23.8	+30.9	+29.5	+45.6	+49.9	+56.8	+62.9	+20.7	+30.2	+59.8
양천구	266.0	284.0	288.8	297.9	296.6	313.3	316.5	325.1	330.9	286.4	297.2	328.0
		+18.0	+22.8	+31.9	+30.6	+47.3	+50.5	+59.1	+64.9	+20.4	+31.2	+62.0
영등포구	267.7	286.5	292.7	300.5	299.7	316.0	319.9	328.5	332.7	289.6	300.1	330.6
		+18.8	+25.0	+32.8	+32.0	+48.3	+52.2	+60.8	+65.0	+21.9	+32.4	+62.9
용산구	264.3	282.1	286.7	295.5	293.4	311.2	314.0	321.7	327.7	284.4	294.5	324.7
		+17.8	+22.4	+31.2	+29.1	+46.9	+49.7	+57.4	+63.4	+20.1	+30.2	+60.4
은평구	261.6	278.4	281.5	291.5	289.7	306.2	310.1	316.9	323.2	279.9	290.6	320.0
		+16.8	+19.9	+29.9	+28.1	+44.6	+48.5	+55.3	+61.6	+18.3	+29.0	+58.4
종로구	261.0	278.0	282.1	291.7	289.6	306.5	310.2	317.4	323.9	280.0	290.6	320.6
		+17.0	+21.1	+30.7	+28.6	+45.5	+49.2	+56.4	+62.9	+19.0	+29.6	+59.6
중구	266.0	282.9	288.9	296.9	294.1	312.5	315.3	322.8	328.4	285.9	295.5	325.6
		+16.9	+22.9	+30.9	+28.1	+46.5	+49.3	+56.8	+62.4	+19.9	+29.5	+59.6
종량구	260.9	280.5	284.9	293.2	291.0	307.2	311.5	318.9	323.8	282.7	292.1	321.3
		+19.6	+24.0	+32.3	+30.1	+46.3	+50.6	+58.0	+62.9	+21.8	+31.2	+60.4

## 2) 저온 극한기후지수

### 겨울철 최고기온 관련 지수

- SSP 시나리오에 따른 서울특별시 결빙일수는 현재(2000-2019년, 18.2일) 대비 21세기 중반기에 2.1~10.0일, 21세기 후반기에 6.5~17.6일 감소하고, 일최고기온 연최소는 현재(-7.3℃) 대비 21세기 중반기에 1.3~3.2℃, 21세기 후반기에 2.3~7.9℃ 증가할 것으로 전망됨.
  - SSP1-2.6 시나리오에서 서울특별시 결빙일수는 현재 대비 21세기 중/후반기에 2.1일, 6.5일 감소하고, 일최고기온 연최소는 21세기 중/후반기에 1.3℃, 2.3℃ 증가할 것으로 전망됨.
  - SSP2-4.5 시나리오에서 서울특별시 결빙일수는 현재 대비 21세기 중/후반기에 7.1일, 13.7일 감소하고, 일최고기온 연최소는 21세기 중/후반기에 2.4℃, 4.7℃ 증가할 것으로 전망됨.
  - SSP3-7.0 시나리오에서 서울특별시 결빙일수는 현재 대비 21세기 중/후반기에 10.0일, 16.6일 감소하고, 일최고기온 연최소는 21세기 중/후반기에 3.2℃, 6.9℃ 증가할 것으로 전망됨.
  - SSP5-8.5 시나리오에서 서울특별시 결빙일수는 현재 대비 21세기 중/후반기에 9.2일, 17.6일 감소하고, 일최고기온 연최소는 21세기 중/후반기에 2.9℃, 7.9℃ 증가할 것으로 전망됨.
- SSP5-8.5 시나리오에서 현재 대비 21세기 후반기 서울특별시 결빙일수 감소폭(-17.6일)은 SSP1-2.6 시나리오에서의 감소폭(-6.5일) 보다 11.1일 크게 나타나며, SSP5-8.5 시나리오에서 21세기 후반기 일최고기온 연최소 증가폭(+7.9℃)은 SSP1-2.6 시나리오에서의 증가폭(+2.3℃) 보다 5.6℃ 크게 나타남.
  - SSP5-8.5에서 21세기 후반기 서울특별시 내 결빙일수 감소폭이 가장 큰 지역은 서대문구/종로구(-20.0일)이며 가장 작은 지역은 송파구(-15.6일)로 나타남.
  - SSP5-8.5에서 21세기 후반기 서울특별시 내 일최고기온 연최소 증가폭이 가장 큰 지역은 구로구(+8.2℃)이며 가장 작은 지역은 중랑구(+7.6℃)로 나타남.

### 겨울철 최저기온 관련 지수

- SSP 시나리오에 따른 서울특별시 한파일수는 현재(2000-2019년, 4.4일) 대비 21세기 중반기에 -3.2~0.2일, 21세기 후반기에 -4.4~-2.4일 변화하고, 일최저기온 연최소는 현재(-14.2℃) 대비 21세기 중반기에 0.5~2.6℃, 21세기 후반기에 1.8~7.6℃ 증가할 것으로 전망됨.
  - SSP1-2.6 시나리오에서 서울특별시 한파일수는 현재 대비 21세기 중/후반기에 0.2일, -2.4일 변화하고, 일최저기온 연최소는 21세기 중/후반기에 0.5℃, 1.8℃ 증가할 것으로 전망됨.
  - SSP2-4.5 시나리오에서 서울특별시 한파일수는 현재 대비 21세기 중/후반기에 2.1일, 4.1일 감소하고, 일최저기온 연최소는 21세기 중/후반기에 1.6℃, 4.3℃ 증가할 것으로 전망됨.
  - SSP3-7.0 시나리오에서 서울특별시 한파일수는 현재 대비 21세기 중/후반기에 3.2일, 4.4일 감소하고, 일최저기온 연최소는 21세기 중/후반기에 2.6℃, 6.3℃ 증가할 것으로 전망됨.
  - SSP5-8.5 시나리오에서 서울특별시 한파일수는 현재 대비 21세기 중/후반기에 2.9일, 4.4일 감소하고, 일최저기온 연최소는 21세기 중/후반기에 2.6℃, 7.6℃ 증가할 것으로 전망됨.

- SSP5-8.5 시나리오에서 현재 대비 21세기 후반기 서울특별시 한파일수 감소폭(-4.4일)은 SSP1-2.6 시나리오에서의 감소폭(-2.4)일 보다 2.0일 크게 나타나며, SSP5-8.5 시나리오에서 21세기 후반기 일최저기온 연최소 증가폭(+7.6°C)은 SSP1-2.6 시나리오에서의 증가폭(+1.8°C) 보다 5.8°C 크게 나타남.
- SSP5-8.5에서 21세기 후반기 서울특별시 내 한파일수 감소폭이 가장 큰 지역은 도봉구(-8.1일)이며 가장 작은 지역은 영등포구(-2.9일)로 나타남.
- SSP5-8.5에서 21세기 후반기 서울특별시 내 일최저기온 연최소 증가폭이 가장 큰 지역은 서대문구/종로구(+7.8°C)이며 가장 작은 지역은 강동구/강서구/서초구/중랑구(+7.3°C)로 나타남.

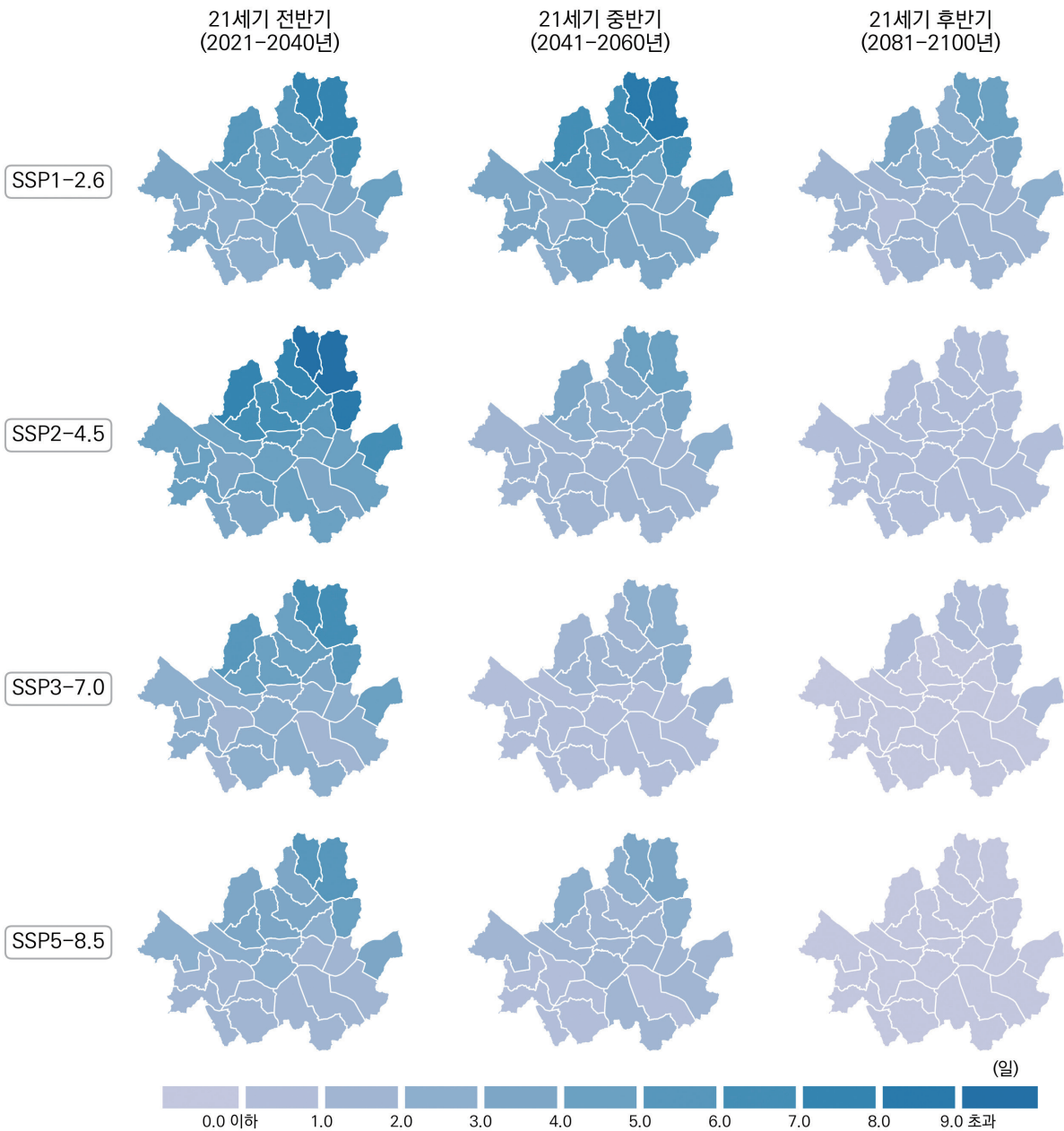


그림 4-27. 서울특별시의 한파일수(일) 전망 분포도

표 4-69. 서울특별시의 한파일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	4.4	4.5 +0.1	3.4 -1.0	4.5 +0.1	4.7 +0.3	3.0 -1.4	3.2 -1.2	2.0 -2.4	2.1 -2.3	3.9 -0.5	4.6 +0.2	2.0 -2.4
강남구	3.0	3.0 +0.0	2.2 -0.8	3.0 +0.0	3.2 +0.2	2.0 -1.0	2.2 -0.8	1.0 -2.0	1.2 -1.8	2.6 -0.4	3.1 +0.1	1.1 -1.9
강동구	5.3	5.6 +0.3	4.1 -1.2	5.5 +0.2	5.8 +0.5	3.7 -1.6	4.0 -1.3	2.7 -2.6	2.5 -2.8	4.9 -0.4	5.7 +0.4	2.6 -2.7
강북구	5.9	5.9 +0.0	4.4 -1.5	5.9 +0.0	6.3 +0.4	4.0 -1.9	4.4 -1.5	2.9 -3.0	2.8 -3.1	5.2 -0.7	6.1 +0.2	2.9 -3.0
강서구	3.5	3.8 +0.3	2.9 -0.6	3.9 +0.4	3.8 +0.3	2.5 -1.0	2.7 -0.8	1.5 -2.0	1.7 -1.8	3.3 -0.2	3.8 +0.3	1.6 -1.9
관악구	3.3	3.2 -0.1	2.3 -1.0	3.2 -0.1	3.3 +0.0	2.1 -1.2	2.2 -1.1	1.1 -2.2	1.3 -2.0	2.8 -0.5	3.2 -0.1	1.2 -2.1
광진구	3.3	3.5 +0.2	2.6 -0.7	3.6 +0.3	3.8 +0.5	2.3 -1.0	2.5 -0.8	1.3 -2.0	1.5 -1.8	3.1 -0.2	3.7 +0.4	1.4 -1.9
구로구	3.6	3.5 -0.1	2.7 -0.9	3.6 +0.0	3.5 -0.1	2.3 -1.3	2.5 -1.1	1.3 -2.3	1.5 -2.1	3.1 -0.5	3.6 +0.0	1.4 -2.2
금천구	3.0	2.6 -0.4	1.8 -1.2	2.6 -0.4	2.6 -0.4	1.7 -1.3	1.7 -1.3	0.8 -2.2	1.0 -2.0	2.2 -0.8	2.6 -0.4	0.9 -2.1
노원구	7.9	8.2 +0.3	6.1 -1.8	7.8 -0.1	8.4 +0.5	5.9 -2.0	5.8 -2.1	4.5 -3.4	4.1 -3.8	7.1 -0.8	8.1 +0.2	4.3 -3.6
도봉구	8.1	8.2 +0.1	6.1 -2.0	7.9 -0.2	8.5 +0.4	5.9 -2.2	5.8 -2.3	4.5 -3.6	4.2 -3.9	7.1 -1.0	8.2 +0.1	4.4 -3.7
동대문구	3.8	4.2 +0.4	3.1 -0.7	4.1 +0.3	4.4 +0.6	2.7 -1.1	3.1 -0.7	1.8 -2.0	1.8 -2.0	3.6 -0.2	4.3 +0.5	1.8 -2.0
동작구	3.5	3.5 +0.0	2.6 -0.9	3.5 +0.0	3.6 +0.1	2.3 -1.2	2.5 -1.0	1.3 -2.2	1.5 -2.0	3.0 -0.5	3.6 +0.1	1.4 -2.1
마포구	3.9	3.9 +0.0	3.0 -0.9	4.0 +0.1	4.0 +0.1	2.6 -1.3	2.8 -1.1	1.5 -2.4	1.8 -2.1	3.5 -0.4	4.0 +0.1	1.6 -2.3
서대문구	5.5	5.6 +0.1	4.2 -1.3	5.6 +0.1	5.9 +0.4	3.7 -1.8	4.2 -1.3	2.6 -2.9	2.5 -3.0	4.9 -0.6	5.7 +0.2	2.6 -2.9
서초구	3.4	3.5 +0.1	2.6 -0.8	3.5 +0.1	3.7 +0.3	2.3 -1.1	2.5 -0.9	1.3 -2.1	1.5 -1.9	3.1 -0.3	3.6 +0.2	1.4 -2.0
성동구	3.2	3.3 +0.1	2.5 -0.7	3.4 +0.2	3.6 +0.4	2.2 -1.0	2.4 -0.8	1.3 -1.9	1.4 -1.8	2.9 -0.3	3.5 +0.3	1.3 -1.9
성북구	5.0	5.3 +0.3	3.9 -1.1	5.2 +0.2	5.6 +0.6	3.4 -1.6	3.9 -1.1	2.4 -2.6	2.4 -2.6	4.6 -0.4	5.4 +0.4	2.4 -2.6
송파구	3.3	3.5 +0.2	2.5 -0.8	3.5 +0.2	3.7 +0.4	2.3 -1.0	2.5 -0.8	1.3 -2.0	1.4 -1.9	3.0 -0.3	3.6 +0.3	1.4 -1.9
양천구	3.3	3.4 +0.1	2.6 -0.7	3.5 +0.2	3.4 +0.1	2.2 -1.1	2.4 -0.9	1.3 -2.0	1.5 -1.8	3.0 -0.3	3.5 +0.2	1.4 -1.9
영등포구	2.9	2.7 -0.2	2.0 -0.9	2.8 -0.1	2.8 -0.1	1.7 -1.2	1.9 -1.0	0.9 -2.0	1.1 -1.8	2.4 -0.5	2.8 -0.1	1.0 -1.9
용산구	3.9	3.9 +0.0	3.0 -0.9	4.0 +0.1	4.1 +0.2	2.6 -1.3	2.9 -1.0	1.6 -2.3	1.8 -2.1	3.5 -0.4	4.1 +0.2	1.7 -2.2
은평구	6.3	6.4 +0.1	4.8 -1.5	6.3 +0.0	6.6 +0.3	4.4 -1.9	4.7 -1.6	3.2 -3.1	3.0 -3.3	5.6 -0.7	6.4 +0.1	3.1 -3.2
종로구	5.2	5.2 +0.0	3.9 -1.3	5.2 +0.0	5.6 +0.4	3.5 -1.7	3.9 -1.3	2.5 -2.7	2.4 -2.8	4.6 -0.6	5.4 +0.2	2.4 -2.8
중구	3.8	4.0 +0.2	3.1 -0.7	4.0 +0.2	4.3 +0.5	2.7 -1.1	2.9 -0.9	1.7 -2.1	1.8 -2.0	3.5 -0.3	4.1 +0.3	1.7 -2.1
중랑구	6.7	7.0 +0.3	5.1 -1.6	6.7 +0.0	7.2 +0.5	4.9 -1.8	4.9 -1.8	3.7 -3.0	3.4 -3.3	6.1 -0.6	7.0 +0.3	3.6 -3.1

표 4-70. 서울특별시의 한파일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	4.4	5.5 +1.1	5.5 +1.1	2.3 -2.1	2.4 -2.0	1.1 -3.3	1.2 -3.2	0.4 -4.0	0.2 -4.2	5.5 +1.1	2.3 -2.1	0.3 -4.1
강남구	3.0	3.9 +0.9	3.5 +0.5	1.3 -1.7	1.4 -1.6	0.5 -2.5	0.5 -2.5	0.2 -2.8	0.1 -2.9	3.7 +0.7	1.3 -1.7	0.1 -2.9
강동구	5.3	6.6 +1.3	6.7 +1.4	3.0 -2.3	3.1 -2.2	1.5 -3.8	1.6 -3.7	0.6 -4.7	0.3 -5.0	6.7 +1.4	3.0 -2.3	0.4 -4.9
강북구	5.9	7.1 +1.2	7.5 +1.6	3.3 -2.6	3.3 -2.6	1.6 -4.3	1.8 -4.1	0.6 -5.3	0.4 -5.5	7.3 +1.4	3.3 -2.6	0.5 -5.4
강서구	3.5	4.7 +1.2	4.5 +1.0	1.7 -1.8	2.0 -1.5	0.8 -2.7	0.8 -2.7	0.3 -3.2	0.1 -3.4	4.6 +1.1	1.8 -1.7	0.2 -3.3
관악구	3.3	4.1 +0.8	3.8 +0.5	1.3 -2.0	1.6 -1.7	0.6 -2.7	0.6 -2.7	0.2 -3.1	0.1 -3.2	3.9 +0.6	1.4 -1.9	0.1 -3.2
광진구	3.3	4.5 +1.2	4.2 +0.9	1.7 -1.6	1.7 -1.6	0.7 -2.6	0.8 -2.5	0.3 -3.0	0.1 -3.2	4.4 +1.1	1.7 -1.6	0.2 -3.1
구로구	3.6	4.4 +0.8	4.2 +0.6	1.5 -2.1	1.9 -1.7	0.7 -2.9	0.7 -2.9	0.3 -3.3	0.1 -3.5	4.3 +0.7	1.7 -1.9	0.2 -3.4
금천구	3.0	3.3 +0.3	3.0 +0.0	0.9 -2.1	1.2 -1.8	0.4 -2.6	0.3 -2.7	0.1 -2.9	0.1 -2.9	3.2 +0.2	1.1 -1.9	0.1 -2.9
노원구	7.9	9.2 +1.3	10.1 +2.2	5.0 -2.9	4.6 -3.3	2.5 -5.4	2.8 -5.1	1.0 -6.9	0.8 -7.1	9.6 +1.7	4.8 -3.1	0.9 -7.0
도봉구	8.1	9.3 +1.2	10.2 +2.1	5.0 -3.1	4.6 -3.5	2.5 -5.6	2.8 -5.3	1.0 -7.1	0.8 -7.3	9.7 +1.6	4.8 -3.3	0.9 -7.2
동대문구	3.8	5.2 +1.4	5.1 +1.3	2.0 -1.8	2.2 -1.6	0.9 -2.9	1.0 -2.8	0.3 -3.5	0.1 -3.7	5.2 +1.4	2.1 -1.7	0.2 -3.6
동작구	3.5	4.4 +0.9	4.2 +0.7	1.5 -2.0	1.8 -1.7	0.7 -2.8	0.7 -2.8	0.2 -3.3	0.1 -3.4	4.3 +0.8	1.7 -1.8	0.2 -3.3
마포구	3.9	4.9 +1.0	4.8 +0.9	1.8 -2.1	2.0 -1.9	0.9 -3.0	0.9 -3.0	0.3 -3.6	0.1 -3.8	4.9 +1.0	1.9 -2.0	0.2 -3.7
서대문구	5.5	6.7 +1.2	7.0 +1.5	2.8 -2.7	3.1 -2.4	1.5 -4.0	1.5 -4.0	0.5 -5.0	0.3 -5.2	6.9 +1.4	3.0 -2.5	0.4 -5.1
서초구	3.4	4.5 +1.1	4.2 +0.8	1.6 -1.8	1.7 -1.7	0.7 -2.7	0.7 -2.7	0.3 -3.1	0.1 -3.3	4.4 +1.0	1.6 -1.8	0.2 -3.2
성동구	3.2	4.4 +1.2	4.0 +0.8	1.6 -1.6	1.6 -1.6	0.7 -2.5	0.7 -2.5	0.2 -3.0	0.1 -3.1	4.2 +1.0	1.6 -1.6	0.2 -3.0
성북구	5.0	6.3 +1.3	6.6 +1.6	2.7 -2.3	2.9 -2.1	1.4 -3.6	1.4 -3.6	0.5 -4.5	0.3 -4.7	6.4 +1.4	2.8 -2.2	0.4 -4.6
송파구	3.3	4.4 +1.1	4.1 +0.8	1.6 -1.7	1.7 -1.6	0.7 -2.6	0.7 -2.6	0.3 -3.0	0.1 -3.2	4.3 +1.0	1.7 -1.6	0.2 -3.1
양천구	3.3	4.3 +1.0	4.1 +0.8	1.4 -1.9	1.8 -1.5	0.7 -2.6	0.7 -2.6	0.3 -3.0	0.1 -3.2	4.2 +0.9	1.6 -1.7	0.2 -3.1
영등포구	2.9	3.6 +0.7	3.2 +0.3	1.0 -1.9	1.3 -1.6	0.5 -2.4	0.4 -2.5	0.2 -2.7	0.1 -2.8	3.4 +0.5	1.2 -1.7	0.1 -2.8
용산구	3.9	5.0 +1.1	4.9 +1.0	1.8 -2.1	2.1 -1.8	0.8 -3.1	0.9 -3.0	0.3 -3.6	0.1 -3.8	4.9 +1.0	2.0 -1.9	0.2 -3.7
은평구	6.3	7.4 +1.1	8.0 +1.7	3.4 -2.9	3.5 -2.8	1.8 -4.5	1.8 -4.5	0.7 -5.6	0.4 -5.9	7.7 +1.4	3.5 -2.8	0.5 -5.8
종로구	5.2	6.4 +1.2	6.6 +1.4	2.7 -2.5	2.9 -2.3	1.4 -3.8	1.4 -3.8	0.5 -4.7	0.3 -4.9	6.5 +1.3	2.8 -2.4	0.4 -4.8
중구	3.8	5.1 +1.3	5.0 +1.2	2.0 -1.8	2.1 -1.7	0.8 -3.0	0.9 -2.9	0.4 -3.4	0.1 -3.7	5.1 +1.3	2.0 -1.8	0.2 -3.6
종량구	6.7	7.9 +1.2	8.5 +1.8	4.0 -2.7	3.9 -2.8	2.0 -4.7	2.3 -4.4	0.8 -5.9	0.6 -6.1	8.2 +1.5	4.0 -2.7	0.7 -6.0



표 4-71. 서울특별시의 한파일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	4.4	3.7 -0.7	3.1 -1.3	1.6 -2.8	0.8 -3.6	0.2 -4.2	0.3 -4.1	0.1 -4.3	0.0 -4.4	3.4 -1.0	1.2 -3.2	0.0 -4.4
강남구	3.0	2.3 -0.7	1.7 -1.3	0.8 -2.2	0.4 -2.6	0.0 -3.0	0.1 -2.9	0.0 -3.0	0.0 -3.0	2.0 -1.0	0.6 -2.4	0.0 -3.0
강동구	5.3	4.6 -0.7	3.9 -1.4	2.1 -3.2	1.1 -4.2	0.5 -4.8	0.4 -4.9	0.1 -5.2	0.0 -5.3	4.2 -1.1	1.6 -3.7	0.1 -5.2
강북구	5.9	5.1 -0.8	4.3 -1.6	2.5 -3.4	1.2 -4.7	0.5 -5.4	0.5 -5.4	0.1 -5.8	0.0 -5.9	4.7 -1.2	1.9 -4.0	0.1 -5.8
강서구	3.5	3.0 -0.5	2.4 -1.1	1.3 -2.2	0.6 -2.9	0.0 -3.5	0.2 -3.3	0.0 -3.5	0.0 -3.5	2.7 -0.8	0.9 -2.6	0.0 -3.5
관악구	3.3	2.4 -0.9	1.9 -1.4	0.9 -2.4	0.4 -2.9	0.0 -3.3	0.1 -3.2	0.0 -3.3	0.0 -3.3	2.2 -1.1	0.6 -2.7	0.0 -3.3
광진구	3.3	2.7 -0.6	2.3 -1.0	1.0 -2.3	0.5 -2.8	0.0 -3.3	0.1 -3.2	0.0 -3.3	0.0 -3.3	2.5 -0.8	0.8 -2.5	0.0 -3.3
구로구	3.6	2.8 -0.8	2.2 -1.4	1.1 -2.5	0.5 -3.1	0.0 -3.6	0.1 -3.5	0.0 -3.6	0.0 -3.6	2.5 -1.1	0.8 -2.8	0.0 -3.6
금천구	3.0	1.9 -1.1	1.4 -1.6	0.6 -2.4	0.2 -2.8	0.0 -3.0	0.0 -3.0	0.0 -3.0	0.0 -3.0	1.7 -1.3	0.4 -2.6	0.0 -3.0
노원구	7.9	7.2 -0.7	6.2 -1.7	3.7 -4.2	2.0 -5.9	1.0 -6.9	1.1 -6.8	0.3 -7.6	0.0 -7.9	6.7 -1.2	2.8 -5.1	0.1 -7.8
도봉구	8.1	7.3 -0.8	6.4 -1.7	3.7 -4.4	1.9 -6.2	1.0 -7.1	1.1 -7.0	0.3 -7.8	0.0 -8.1	6.8 -1.3	2.8 -5.3	0.1 -8.0
동대문구	3.8	3.3 -0.5	2.8 -1.0	1.4 -2.4	0.7 -3.1	0.1 -3.7	0.2 -3.6	0.1 -3.7	0.0 -3.8	3.1 -0.7	1.1 -2.7	0.0 -3.8
동작구	3.5	2.7 -0.8	2.1 -1.4	1.0 -2.5	0.5 -3.0	0.0 -3.5	0.1 -3.4	0.1 -3.4	0.0 -3.5	2.4 -1.1	0.8 -2.7	0.0 -3.5
마포구	3.9	3.1 -0.8	2.5 -1.4	1.3 -2.6	0.6 -3.3	0.0 -3.9	0.2 -3.7	0.0 -3.9	0.0 -3.9	2.8 -1.1	1.0 -2.9	0.0 -3.9
서대문구	5.5	4.8 -0.7	3.9 -1.6	2.3 -3.2	1.1 -4.4	0.3 -5.2	0.4 -5.1	0.1 -5.4	0.0 -5.5	4.4 -1.1	1.7 -3.8	0.0 -5.5
서초구	3.4	2.7 -0.7	2.1 -1.3	1.1 -2.3	0.5 -2.9	0.0 -3.4	0.1 -3.3	0.0 -3.4	0.0 -3.4	2.4 -1.0	0.8 -2.6	0.0 -3.4
성동구	3.2	2.6 -0.6	2.1 -1.1	1.0 -2.2	0.5 -2.7	0.0 -3.2	0.1 -3.1	0.0 -3.2	0.0 -3.2	2.3 -0.9	0.7 -2.5	0.0 -3.2
성북구	5.0	4.4 -0.6	3.7 -1.3	2.1 -2.9	1.0 -4.0	0.3 -4.7	0.4 -4.6	0.1 -4.9	0.0 -5.0	4.1 -0.9	1.5 -3.5	0.0 -5.0
송파구	3.3	2.7 -0.6	2.1 -1.2	1.0 -2.3	0.5 -2.8	0.1 -3.2	0.1 -3.2	0.1 -3.2	0.0 -3.3	2.4 -0.9	0.8 -2.5	0.0 -3.3
양천구	3.3	2.7 -0.6	2.1 -1.2	1.1 -2.2	0.5 -2.8	0.0 -3.3	0.1 -3.2	0.0 -3.3	0.0 -3.3	2.4 -0.9	0.8 -2.5	0.0 -3.3
영등포구	2.9	2.0 -0.9	1.6 -1.3	0.6 -2.3	0.3 -2.6	0.0 -2.9	0.0 -2.9	0.0 -2.9	0.0 -2.9	1.8 -1.1	0.5 -2.4	0.0 -2.9
용산구	3.9	3.2 -0.7	2.6 -1.3	1.3 -2.6	0.7 -3.2	0.0 -3.9	0.2 -3.7	0.1 -3.8	0.0 -3.9	2.9 -1.0	1.0 -2.9	0.0 -3.9
은평구	6.3	5.6 -0.7	4.6 -1.7	2.7 -3.6	1.4 -4.9	0.5 -5.8	0.5 -5.8	0.1 -6.2	0.0 -6.3	5.1 -1.2	2.0 -4.3	0.1 -6.2
종로구	5.2	4.5 -0.7	3.7 -1.5	2.1 -3.1	1.0 -4.2	0.3 -4.9	0.3 -4.9	0.1 -5.1	0.0 -5.2	4.1 -1.1	1.5 -3.7	0.0 -5.2
중구	3.8	3.3 -0.5	2.7 -1.1	1.3 -2.5	0.7 -3.1	0.0 -3.8	0.2 -3.6	0.0 -3.8	0.0 -3.8	3.0 -0.8	1.0 -2.8	0.0 -3.8
종랑구	6.7	6.0 -0.7	5.2 -1.5	3.0 -3.7	1.6 -5.1	0.7 -6.0	0.9 -5.8	0.2 -6.5	0.0 -6.7	5.6 -1.1	2.3 -4.4	0.1 -6.6

표 4-72. 서울특별시의 한파일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	4.4	3.0 -1.4	2.3 -2.1	1.7 -2.7	1.3 -3.1	0.2 -4.2	0.1 -4.3	0.0 -4.4	0.0 -4.4	2.6 -1.8	1.5 -2.9	0.0 -4.4
강남구	3.0	1.5 -1.5	1.4 -1.6	1.0 -2.0	0.8 -2.2	0.1 -2.9	0.0 -3.0	0.0 -3.0	0.0 -3.0	1.4 -1.6	0.9 -2.1	0.0 -3.0
강동구	5.3	3.9 -1.4	2.9 -2.4	2.2 -3.1	1.8 -3.5	0.3 -5.0	0.1 -5.2	0.0 -5.3	0.0 -5.3	3.4 -1.9	2.0 -3.3	0.0 -5.3
강북구	5.9	4.3 -1.6	3.2 -2.7	2.4 -3.5	1.9 -4.0	0.4 -5.5	0.1 -5.8	0.0 -5.9	0.0 -5.9	3.8 -2.1	2.2 -3.7	0.0 -5.9
강서구	3.5	2.4 -1.1	1.9 -1.6	1.3 -2.2	1.0 -2.5	0.1 -3.4	0.0 -3.5	0.0 -3.5	0.0 -3.5	2.2 -1.3	1.1 -2.4	0.0 -3.5
관악구	3.3	1.8 -1.5	1.5 -1.8	1.0 -2.3	0.8 -2.5	0.1 -3.2	0.0 -3.3	0.0 -3.3	0.0 -3.3	1.7 -1.6	0.9 -2.4	0.0 -3.3
광진구	3.3	1.9 -1.4	1.7 -1.6	1.3 -2.0	1.0 -2.3	0.1 -3.2	0.0 -3.3	0.0 -3.3	0.0 -3.3	1.8 -1.5	1.2 -2.1	0.0 -3.3
구로구	3.6	2.1 -1.5	1.7 -1.9	1.2 -2.4	0.9 -2.7	0.1 -3.5	0.0 -3.6	0.0 -3.6	0.0 -3.6	1.9 -1.7	1.0 -2.6	0.0 -3.6
금천구	3.0	1.3 -1.7	1.2 -1.8	0.7 -2.3	0.5 -2.5	0.0 -3.0	0.0 -3.0	0.0 -3.0	0.0 -3.0	1.2 -1.8	0.6 -2.4	0.0 -3.0
노원구	7.9	6.2 -1.7	4.5 -3.4	3.4 -4.5	2.8 -5.1	0.7 -7.2	0.3 -7.6	0.1 -7.8	0.0 -7.9	5.4 -2.5	3.1 -4.8	0.0 -7.9
도봉구	8.1	6.3 -1.8	4.6 -3.5	3.4 -4.7	2.9 -5.2	0.7 -7.4	0.3 -7.8	0.1 -8.0	0.0 -8.1	5.4 -2.7	3.1 -5.0	0.0 -8.1
동대문구	3.8	2.6 -1.2	2.1 -1.7	1.6 -2.2	1.3 -2.5	0.1 -3.7	0.0 -3.8	0.0 -3.8	0.0 -3.8	2.3 -1.5	1.4 -2.4	0.0 -3.8
동작구	3.5	2.1 -1.4	1.6 -1.9	1.2 -2.3	0.9 -2.6	0.1 -3.4	0.0 -3.5	0.0 -3.5	0.0 -3.5	1.9 -1.6	1.0 -2.5	0.0 -3.5
마포구	3.9	2.6 -1.3	2.0 -1.9	1.4 -2.5	1.1 -2.8	0.1 -3.8	0.0 -3.9	0.0 -3.9	0.0 -3.9	2.3 -1.6	1.2 -2.7	0.0 -3.9
서대문구	5.5	4.0 -1.5	3.0 -2.5	2.2 -3.3	1.7 -3.8	0.3 -5.2	0.1 -5.4	0.0 -5.5	0.0 -5.5	3.5 -2.0	2.0 -3.5	0.0 -5.5
서초구	3.4	2.1 -1.3	1.7 -1.7	1.2 -2.2	1.0 -2.4	0.1 -3.3	0.0 -3.4	0.0 -3.4	0.0 -3.4	1.9 -1.5	1.1 -2.3	0.0 -3.4
성동구	3.2	1.9 -1.3	1.6 -1.6	1.2 -2.0	1.0 -2.2	0.1 -3.1	0.0 -3.2	0.0 -3.2	0.0 -3.2	1.7 -1.5	1.1 -2.1	0.0 -3.2
성북구	5.0	3.7 -1.3	2.7 -2.3	2.1 -2.9	1.6 -3.4	0.3 -4.7	0.1 -4.9	0.0 -5.0	0.0 -5.0	3.2 -1.8	1.9 -3.1	0.0 -5.0
송파구	3.3	1.9 -1.4	1.7 -1.6	1.2 -2.1	1.0 -2.3	0.1 -3.2	0.0 -3.3	0.0 -3.3	0.0 -3.3	1.8 -1.5	1.1 -2.2	0.0 -3.3
양천구	3.3	2.0 -1.3	1.7 -1.6	1.1 -2.2	0.8 -2.5	0.1 -3.2	0.0 -3.3	0.0 -3.3	0.0 -3.3	1.8 -1.5	1.0 -2.3	0.0 -3.3
영등포구	2.9	1.4 -1.5	1.2 -1.7	0.8 -2.1	0.6 -2.3	0.0 -2.9	0.0 -2.9	0.0 -2.9	0.0 -2.9	1.3 -1.6	0.7 -2.2	0.0 -2.9
용산구	3.9	2.5 -1.4	2.0 -1.9	1.4 -2.5	1.1 -2.8	0.1 -3.8	0.0 -3.9	0.0 -3.9	0.0 -3.9	2.3 -1.6	1.3 -2.6	0.0 -3.9
은평구	6.3	4.6 -1.7	3.5 -2.8	2.6 -3.7	2.0 -4.3	0.4 -5.9	0.1 -6.2	0.0 -6.3	0.0 -6.3	4.0 -2.3	2.3 -4.0	0.0 -6.3
종로구	5.2	3.7 -1.5	2.8 -2.4	2.1 -3.1	1.6 -3.6	0.3 -4.9	0.1 -5.1	0.0 -5.2	0.0 -5.2	3.2 -2.0	1.8 -3.4	0.0 -5.2
중구	3.8	2.6 -1.2	2.1 -1.7	1.5 -2.3	1.2 -2.6	0.1 -3.7	0.0 -3.8	0.0 -3.8	0.0 -3.8	2.3 -1.5	1.3 -2.5	0.0 -3.8
종량구	6.7	5.1 -1.6	3.7 -3.0	2.9 -3.8	2.4 -4.3	0.5 -6.2	0.3 -6.4	0.1 -6.6	0.0 -6.7	4.4 -2.3	2.6 -4.1	0.0 -6.7

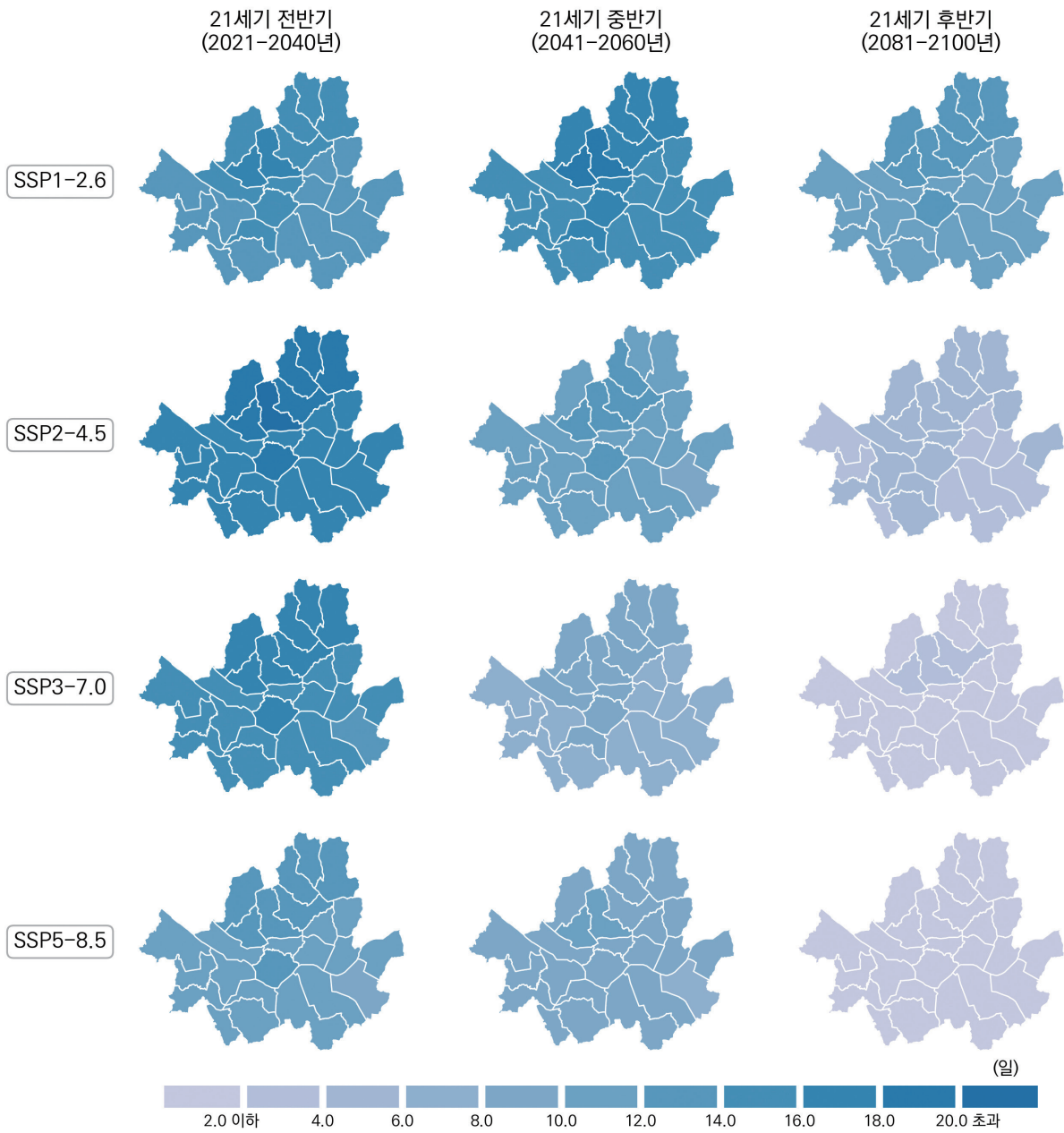


그림 4-28. 서울특별시의 결빙일수(일) 전망 분포도

표 4-73. 서울특별시의 결빙일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	18.2	15.8	12.8	15.4	16.7	13.3	12.6	12.9	10.6	14.3	16.1	11.7
		-2.4	-5.4	-2.8	-1.5	-4.9	-5.6	-5.3	-7.6	-3.9	-2.1	-6.5
강남구	17.0	14.7	11.9	14.6	15.7	12.3	11.8	12.1	9.9	13.3	15.1	11.0
		-2.3	-5.1	-2.4	-1.3	-4.7	-5.2	-4.9	-7.1	-3.7	-1.9	-6.0
강동구	17.1	15.1	12.2	14.8	16.1	12.8	12.3	12.6	10.3	13.7	15.5	11.4
		-2.0	-4.9	-2.3	-1.0	-4.3	-4.8	-4.5	-6.8	-3.4	-1.6	-5.7
강북구	19.5	17.0	13.9	16.6	18.2	14.4	13.9	14.0	11.6	15.5	17.4	12.8
		-2.5	-5.6	-2.9	-1.3	-5.1	-5.6	-5.5	-7.9	-4.0	-2.1	-6.7
강서구	17.4	14.8	12.1	14.7	15.8	12.5	11.6	12.0	9.9	13.5	15.2	10.9
		-2.6	-5.3	-2.7	-1.6	-4.9	-5.8	-5.4	-7.5	-3.9	-2.2	-6.5
관악구	18.3	15.5	12.6	15.2	16.5	13.0	12.2	12.6	10.3	14.0	15.8	11.4
		-2.8	-5.7	-3.1	-1.8	-5.3	-6.1	-5.7	-8.0	-4.3	-2.5	-6.9
광진구	16.9	14.9	12.0	14.7	15.7	12.5	12.1	12.3	10.1	13.5	15.2	11.2
		-2.0	-4.9	-2.2	-1.2	-4.4	-4.8	-4.6	-6.8	-3.4	-1.7	-5.7
구로구	18.3	15.3	12.4	15.2	16.3	13.0	11.9	12.4	10.2	13.9	15.7	11.3
		-3.0	-5.9	-3.1	-2.0	-5.3	-6.4	-5.9	-8.1	-4.4	-2.6	-7.0
금천구	17.5	14.7	11.9	14.7	15.7	12.4	11.5	12.0	9.8	13.3	15.2	10.9
		-2.8	-5.6	-2.8	-1.8	-5.1	-6.0	-5.5	-7.7	-4.2	-2.3	-6.6
노원구	18.8	16.4	13.3	16.0	17.5	13.9	13.4	13.5	11.1	14.9	16.8	12.3
		-2.4	-5.5	-2.8	-1.3	-4.9	-5.4	-5.3	-7.7	-3.9	-2.0	-6.5
도봉구	19.2	16.8	13.7	16.3	18.0	14.2	13.7	13.8	11.4	15.3	17.2	12.6
		-2.4	-5.5	-2.9	-1.2	-5.0	-5.5	-5.4	-7.8	-3.9	-2.0	-6.6
동대문구	16.9	14.8	12.0	14.7	15.8	12.6	12.0	12.2	10.0	13.4	15.2	11.1
		-2.1	-4.9	-2.2	-1.1	-4.3	-4.9	-4.7	-6.9	-3.5	-1.7	-5.8
동작구	18.9	16.1	13.2	15.8	17.1	13.5	12.8	13.1	10.8	14.6	16.5	11.9
		-2.8	-5.7	-3.1	-1.8	-5.4	-6.1	-5.8	-8.1	-4.3	-2.4	-7.0
마포구	18.2	15.7	12.8	15.4	16.7	13.2	12.4	12.7	10.6	14.3	16.0	11.6
		-2.5	-5.4	-2.8	-1.5	-5.0	-5.8	-5.5	-7.6	-3.9	-2.2	-6.6
서대문구	20.9	18.1	14.5	17.5	18.9	15.2	14.6	14.5	12.1	16.3	18.2	13.3
		-2.8	-6.4	-3.4	-2.0	-5.7	-6.3	-6.4	-8.8	-4.6	-2.7	-7.6
서초구	17.3	14.9	12.1	14.7	15.9	12.5	11.9	12.2	10.0	13.5	15.3	11.1
		-2.4	-5.2	-2.6	-1.4	-4.8	-5.4	-5.1	-7.3	-3.8	-2.0	-6.2
성동구	16.9	14.9	12.0	14.7	15.8	12.5	12.0	12.2	10.0	13.4	15.2	11.1
		-2.0	-4.9	-2.2	-1.1	-4.4	-4.9	-4.7	-6.9	-3.5	-1.7	-5.8
성북구	19.7	17.4	14.0	16.8	18.4	14.6	14.1	14.2	11.7	15.7	17.6	12.9
		-2.3	-5.7	-2.9	-1.3	-5.1	-5.6	-5.5	-8.0	-4.0	-2.1	-6.8
송파구	16.1	14.0	11.3	14.0	14.9	11.8	11.4	11.5	9.5	12.6	14.4	10.5
		-2.1	-4.8	-2.1	-1.2	-4.3	-4.7	-4.6	-6.6	-3.5	-1.7	-5.6
양천구	17.5	14.9	12.1	14.8	15.9	12.6	11.6	12.0	9.9	13.5	15.3	11.0
		-2.6	-5.4	-2.7	-1.6	-4.9	-5.9	-5.5	-7.6	-4.0	-2.2	-6.5
영등포구	17.7	14.8	12.1	14.7	15.9	12.5	11.7	12.1	10.0	13.4	15.3	11.1
		-2.9	-5.6	-3.0	-1.8	-5.2	-6.0	-5.6	-7.7	-4.3	-2.4	-6.6
용산구	19.6	17.1	13.7	16.5	18.0	14.2	13.7	13.7	11.3	15.4	17.2	12.5
		-2.5	-5.9	-3.1	-1.6	-5.4	-5.9	-5.9	-8.3	-4.2	-2.4	-7.1
은평구	18.9	16.5	13.4	16.0	17.5	13.9	13.2	13.3	11.1	14.9	16.7	12.2
		-2.4	-5.5	-2.9	-1.4	-5.0	-5.7	-5.6	-7.8	-4.0	-2.2	-6.7
종로구	21.0	18.3	14.8	17.7	19.2	15.4	14.9	14.9	12.3	16.5	18.5	13.6
		-2.7	-6.2	-3.3	-1.8	-5.6	-6.1	-6.1	-8.7	-4.5	-2.5	-7.4
중구	18.2	15.9	12.9	15.4	16.8	13.4	12.6	13.0	10.6	14.4	16.1	11.8
		-2.3	-5.3	-2.8	-1.4	-4.8	-5.6	-5.2	-7.6	-3.8	-2.1	-6.4
종량구	17.5	15.4	12.5	15.1	16.4	13.1	12.5	12.7	10.4	13.9	15.8	11.6
		-2.1	-5.0	-2.4	-1.1	-4.4	-5.0	-4.8	-7.1	-3.6	-1.7	-5.9

표 4-74. 서울특별시의 결빙일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	18.2	15.6	19.8	11.4	10.7	7.9	9.5	4.1	4.9	17.7	11.1	4.5
		-2.6	+1.6	-6.8	-7.5	-10.3	-8.7	-14.1	-13.3	-0.5	-7.1	-13.7
강남구	17.0	14.7	18.7	10.4	9.9	7.1	8.6	3.6	4.3	16.7	10.1	3.9
		-2.3	+1.7	-6.6	-7.1	-9.9	-8.4	-13.4	-12.7	-0.3	-6.9	-13.1
강동구	17.1	15.2	19.2	10.8	10.2	7.4	9.0	3.9	4.5	17.2	10.5	4.2
		-1.9	+2.1	-6.3	-6.9	-9.7	-8.1	-13.2	-12.6	+0.1	-6.6	-12.9
강북구	19.5	16.9	21.2	12.5	11.8	8.9	10.6	4.8	5.5	19.1	12.2	5.2
		-2.6	+1.7	-7.0	-7.7	-10.6	-8.9	-14.7	-14.0	-0.4	-7.3	-14.3
강서구	17.4	14.8	18.9	10.7	10.0	7.2	8.7	3.6	4.5	16.8	10.4	4.0
		-2.6	+1.5	-6.7	-7.4	-10.2	-8.7	-13.8	-12.9	-0.6	-7.0	-13.4
관악구	18.3	15.3	19.4	11.2	10.5	7.7	9.2	3.9	4.7	17.4	10.8	4.3
		-3.0	+1.1	-7.1	-7.8	-10.6	-9.1	-14.4	-13.6	-0.9	-7.5	-14.0
광진구	16.9	14.8	18.9	10.5	10.0	7.2	8.7	3.6	4.4	16.9	10.3	4.0
		-2.1	+2.0	-6.4	-6.9	-9.7	-8.2	-13.3	-12.5	+0.0	-6.6	-12.9
구로구	18.3	15.2	19.2	11.2	10.4	7.6	9.0	3.8	4.7	17.2	10.8	4.2
		-3.1	+0.9	-7.1	-7.9	-10.7	-9.3	-14.5	-13.6	-1.1	-7.5	-14.1
금천구	17.5	14.4	18.7	10.6	10.0	7.1	8.6	3.5	4.4	16.6	10.3	3.9
		-3.1	+1.2	-6.9	-7.5	-10.4	-8.9	-14.0	-13.1	-0.9	-7.2	-13.6
노원구	18.8	16.4	20.5	12.0	11.2	8.5	10.2	4.4	5.3	18.4	11.6	4.8
		-2.4	+1.7	-6.8	-7.6	-10.3	-8.6	-14.4	-13.5	-0.4	-7.2	-14.0
도봉구	19.2	16.7	20.9	12.4	11.6	8.9	10.6	4.6	5.4	18.8	12.0	5.0
		-2.5	+1.7	-6.8	-7.6	-10.3	-8.6	-14.6	-13.8	-0.4	-7.2	-14.2
동대문구	16.9	14.8	18.9	10.5	10.0	7.2	8.7	3.7	4.3	16.9	10.2	4.0
		-2.1	+2.0	-6.4	-6.9	-9.7	-8.2	-13.2	-12.6	+0.0	-6.7	-12.9
동작구	18.9	15.9	20.0	11.7	11.0	8.2	9.7	4.2	5.1	18.0	11.4	4.6
		-3.0	+1.1	-7.2	-7.9	-10.7	-9.2	-14.7	-13.8	-0.9	-7.5	-14.3
마포구	18.2	15.6	19.7	11.4	10.6	7.9	9.4	4.1	4.9	17.6	11.0	4.5
		-2.6	+1.5	-6.8	-7.6	-10.3	-8.8	-14.1	-13.3	-0.6	-7.2	-13.7
서대문구	20.9	17.6	21.9	13.5	12.5	9.5	11.3	5.1	6.0	19.7	13.0	5.5
		-3.3	+1.0	-7.4	-8.4	-11.4	-9.6	-15.8	-14.9	-1.2	-7.9	-15.4
서초구	17.3	14.7	18.9	10.6	10.0	7.3	8.7	3.7	4.4	16.8	10.3	4.0
		-2.6	+1.6	-6.7	-7.3	-10.0	-8.6	-13.6	-12.9	-0.5	-7.0	-13.3
성동구	16.9	14.8	18.9	10.5	10.0	7.2	8.7	3.7	4.3	16.9	10.2	4.0
		-2.1	+2.0	-6.4	-6.9	-9.7	-8.2	-13.2	-12.6	+0.0	-6.7	-12.9
성북구	19.7	17.2	21.3	12.7	11.9	9.0	10.8	4.9	5.7	19.2	12.3	5.3
		-2.5	+1.6	-7.0	-7.8	-10.7	-8.9	-14.8	-14.0	-0.5	-7.4	-14.4
송파구	16.1	14.1	18.1	9.9	9.4	6.7	8.1	3.3	4.0	16.1	9.7	3.7
		-2.0	+2.0	-6.2	-6.7	-9.4	-8.0	-12.8	-12.1	+0.0	-6.4	-12.4
양천구	17.5	14.8	18.9	10.8	10.0	7.3	8.8	3.5	4.5	16.8	10.4	4.0
		-2.7	+1.4	-6.7	-7.5	-10.2	-8.7	-14.0	-13.0	-0.7	-7.1	-13.5
영등포구	17.7	14.7	18.9	10.6	10.0	7.3	8.8	3.6	4.5	16.8	10.3	4.1
		-3.0	+1.2	-7.1	-7.7	-10.4	-8.9	-14.1	-13.2	-0.9	-7.4	-13.6
용산구	19.6	16.8	20.9	12.5	11.6	8.8	10.4	4.6	5.5	18.8	12.1	5.1
		-2.8	+1.3	-7.1	-8.0	-10.8	-9.2	-15.0	-14.1	-0.8	-7.5	-14.5
은평구	18.9	16.3	20.5	12.0	11.3	8.5	10.2	4.4	5.2	18.4	11.7	4.8
		-2.6	+1.6	-6.9	-7.6	-10.4	-8.7	-14.5	-13.7	-0.5	-7.2	-14.1
종로구	21.0	17.9	22.2	13.6	12.7	9.6	11.5	5.3	6.2	20.1	13.2	5.8
		-3.1	+1.2	-7.4	-8.3	-11.4	-9.5	-15.7	-14.8	-0.9	-7.8	-15.2
중구	18.2	15.8	19.8	11.3	10.7	7.9	9.5	4.2	4.8	17.8	11.0	4.5
		-2.4	+1.6	-6.9	-7.5	-10.3	-8.7	-14.0	-13.4	-0.4	-7.2	-13.7
종랑구	17.5	15.4	19.5	11.0	10.4	7.6	9.2	4.0	4.7	17.4	10.7	4.4
		-2.1	+2.0	-6.5	-7.1	-9.9	-8.3	-13.5	-12.8	-0.1	-6.8	-13.1

표 4-75. 서울특별시의 결빙일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	18.2	17.1	14.0	9.6	6.9	6.3	5.9	2.3	0.9	15.5	8.2	1.6
		-1.1	-4.2	-8.6	-11.3	-11.9	-12.3	-15.9	-17.3	-2.7	-10.0	-16.6
강남구	17.0	15.8	13.1	8.8	6.1	5.6	5.4	1.9	0.7	14.4	7.5	1.3
		-1.2	-3.9	-8.2	-10.9	-11.4	-11.6	-15.1	-16.3	-2.6	-9.5	-15.7
강동구	17.1	16.0	13.5	9.1	6.4	6.1	5.7	2.1	0.8	14.8	7.8	1.5
		-1.1	-3.6	-8.0	-10.7	-11.0	-11.4	-15.0	-16.3	-2.3	-9.3	-15.6
강북구	19.5	18.4	15.1	10.6	7.8	7.2	6.6	2.9	1.2	16.8	9.2	2.0
		-1.1	-4.4	-8.9	-11.7	-12.3	-12.9	-16.6	-18.3	-2.7	-10.3	-17.5
강서구	17.4	16.5	13.1	8.8	6.4	5.4	5.5	1.8	0.7	14.8	7.6	1.3
		-0.9	-4.3	-8.6	-11.0	-12.0	-11.9	-15.6	-16.7	-2.6	-9.8	-16.1
관악구	18.3	17.0	13.6	9.3	6.6	5.8	5.7	2.1	0.8	15.3	8.0	1.4
		-1.3	-4.7	-9.0	-11.7	-12.5	-12.6	-16.2	-17.5	-3.0	-10.3	-16.9
광진구	16.9	15.8	13.4	8.9	6.3	5.8	5.5	2.0	0.7	14.6	7.6	1.4
		-1.1	-3.5	-8.0	-10.6	-11.1	-11.4	-14.9	-16.2	-2.3	-9.3	-15.5
구로구	18.3	17.0	13.4	9.1	6.5	5.7	5.6	2.0	0.8	15.2	7.8	1.4
		-1.3	-4.9	-9.2	-11.8	-12.6	-12.7	-16.3	-17.5	-3.1	-10.5	-16.9
금천구	17.5	16.5	12.8	8.6	6.2	5.2	5.4	1.8	0.7	14.7	7.4	1.2
		-1.0	-4.7	-8.9	-11.3	-12.3	-12.1	-15.7	-16.8	-2.8	-10.1	-16.3
노원구	18.8	17.6	14.6	10.1	7.4	6.9	6.3	2.6	1.1	16.1	8.8	1.9
		-1.2	-4.2	-8.7	-11.4	-11.9	-12.5	-16.2	-17.7	-2.7	-10.0	-16.9
도봉구	19.2	18.1	15.0	10.5	7.6	7.2	6.5	2.8	1.1	16.5	9.1	2.0
		-1.1	-4.2	-8.7	-11.6	-12.0	-12.7	-16.4	-18.1	-2.7	-10.1	-17.2
동대문구	16.9	15.8	13.4	9.0	6.3	5.8	5.5	2.0	0.7	14.6	7.6	1.4
		-1.1	-3.5	-7.9	-10.6	-11.1	-11.4	-14.9	-16.2	-2.3	-9.3	-15.5
동작구	18.9	17.6	14.1	9.8	7.0	6.3	6.0	2.4	0.9	15.9	8.4	1.6
		-1.3	-4.8	-9.1	-11.9	-12.6	-12.9	-16.5	-18.0	-3.0	-10.5	-17.3
마포구	18.2	17.1	13.9	9.5	6.8	6.1	5.8	2.3	0.9	15.5	8.1	1.6
		-1.1	-4.3	-8.7	-11.4	-12.1	-12.4	-15.9	-17.3	-2.7	-10.1	-16.6
서대문구	20.9	19.6	15.7	11.1	8.3	7.6	6.9	3.1	1.4	17.6	9.7	2.2
		-1.3	-5.2	-9.8	-12.6	-13.3	-14.0	-17.8	-19.5	-3.3	-11.2	-18.7
서초구	17.3	16.1	13.2	8.9	6.3	5.6	5.4	2.0	0.7	14.6	7.6	1.3
		-1.2	-4.1	-8.4	-11.0	-11.7	-11.9	-15.3	-16.6	-2.7	-9.7	-16.0
성동구	16.9	15.9	13.3	8.9	6.3	5.7	5.5	2.0	0.7	14.6	7.6	1.4
		-1.0	-3.6	-8.0	-10.6	-11.2	-11.4	-14.9	-16.2	-2.3	-9.3	-15.5
성북구	19.7	18.6	15.3	10.7	7.9	7.3	6.7	2.9	1.3	17.0	9.3	2.1
		-1.1	-4.4	-9.0	-11.8	-12.4	-13.0	-16.8	-18.4	-2.7	-10.4	-17.6
송파구	16.1	14.9	12.5	8.3	5.8	5.3	5.1	1.8	0.6	13.7	7.0	1.2
		-1.2	-3.6	-7.8	-10.3	-10.8	-11.0	-14.3	-15.5	-2.4	-9.1	-14.9
양천구	17.5	16.5	13.1	8.9	6.4	5.4	5.5	1.8	0.7	14.8	7.6	1.3
		-1.0	-4.4	-8.6	-11.1	-12.1	-12.0	-15.7	-16.8	-2.7	-9.9	-16.2
영등포구	17.7	16.4	13.0	8.9	6.3	5.5	5.5	1.9	0.7	14.7	7.6	1.3
		-1.3	-4.7	-8.8	-11.4	-12.2	-12.2	-15.8	-17.0	-3.0	-10.1	-16.4
용산구	19.6	18.4	14.9	10.4	7.6	7.0	6.4	2.7	1.2	16.7	9.0	2.0
		-1.2	-4.7	-9.2	-12.0	-12.6	-13.2	-16.9	-18.4	-2.9	-10.6	-17.6
은평구	18.9	17.8	14.6	10.1	7.4	6.7	6.2	2.5	1.1	16.2	8.7	1.8
		-1.1	-4.3	-8.8	-11.5	-12.2	-12.7	-16.4	-17.8	-2.7	-10.2	-17.1
종로구	21.0	19.8	16.1	11.3	8.5	7.9	7.2	3.3	1.5	17.9	9.9	2.4
		-1.2	-4.9	-9.7	-12.5	-13.1	-13.8	-17.7	-19.5	-3.1	-11.1	-18.6
중구	18.2	17.0	14.1	9.7	6.9	6.3	5.9	2.3	0.9	15.6	8.3	1.6
		-1.2	-4.1	-8.5	-11.3	-11.9	-12.3	-15.9	-17.3	-2.6	-9.9	-16.6
종량구	17.5	16.4	13.9	9.4	6.7	6.3	5.8	2.2	0.8	15.1	8.0	1.5
		-1.1	-3.6	-8.1	-10.8	-11.2	-11.7	-15.3	-16.7	-2.4	-9.5	-16.0

표 4-76. 서울특별시의 결빙일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	18.2	14.1	9.2	9.2	8.8	3.6	3.6	0.9	0.4	11.6	9.0	0.6
		-4.1	-9.0	-9.0	-9.4	-14.6	-14.6	-17.3	-17.8	-6.6	-9.2	-17.6
강남구	17.0	12.9	8.3	8.5	8.2	3.2	3.2	0.7	0.3	10.6	8.3	0.5
		-4.1	-8.7	-8.5	-8.8	-13.8	-13.8	-16.3	-16.7	-6.4	-8.7	-16.5
강동구	17.1	13.4	8.6	8.8	8.5	3.4	3.5	0.8	0.3	11.0	8.7	0.6
		-3.7	-8.5	-8.3	-8.6	-13.7	-13.6	-16.3	-16.8	-6.1	-8.4	-16.5
강북구	19.5	15.6	10.2	10.2	9.7	4.2	4.2	1.1	0.6	12.9	9.9	0.9
		-3.9	-9.3	-9.3	-9.8	-15.3	-15.3	-18.4	-18.9	-6.6	-9.6	-18.6
강서구	17.4	13.2	8.5	8.6	8.2	3.2	3.2	0.7	0.3	10.8	8.4	0.5
		-4.2	-8.9	-8.8	-9.2	-14.2	-14.2	-16.7	-17.1	-6.6	-9.0	-16.9
관악구	18.3	13.8	8.9	8.9	8.4	3.4	3.4	0.8	0.4	11.3	8.7	0.6
		-4.5	-9.4	-9.4	-9.9	-14.9	-14.9	-17.5	-17.9	-7.0	-9.6	-17.7
광진구	16.9	13.0	8.4	8.6	8.3	3.3	3.3	0.8	0.3	10.7	8.4	0.5
		-3.9	-8.5	-8.3	-8.6	-13.6	-13.6	-16.1	-16.6	-6.2	-8.5	-16.4
구로구	18.3	13.6	8.9	8.8	8.3	3.4	3.4	0.8	0.4	11.2	8.5	0.6
		-4.7	-9.4	-9.5	-10.0	-14.9	-14.9	-17.5	-17.9	-7.1	-9.8	-17.7
금천구	17.5	12.9	8.3	8.4	8.0	3.2	3.1	0.7	0.3	10.6	8.2	0.5
		-4.6	-9.2	-9.1	-9.5	-14.3	-14.4	-16.8	-17.2	-6.9	-9.3	-17.0
노원구	18.8	14.9	9.7	9.7	9.3	4.0	4.0	1.0	0.5	12.3	9.5	0.7
		-3.9	-9.1	-9.1	-9.5	-14.8	-14.8	-17.8	-18.3	-6.5	-9.3	-18.1
도봉구	19.2	15.4	10.0	10.0	9.6	4.1	4.1	1.0	0.5	12.7	9.8	0.8
		-3.8	-9.2	-9.2	-9.6	-15.1	-15.1	-18.2	-18.7	-6.5	-9.4	-18.4
동대문구	16.9	13.1	8.5	8.6	8.4	3.3	3.4	0.8	0.3	10.8	8.5	0.5
		-3.8	-8.4	-8.3	-8.5	-13.6	-13.5	-16.1	-16.6	-6.1	-8.4	-16.4
동작구	18.9	14.4	9.4	9.4	8.9	3.7	3.7	0.9	0.4	11.9	9.2	0.7
		-4.5	-9.5	-9.5	-10.0	-15.2	-15.2	-18.0	-18.5	-7.0	-9.7	-18.2
마포구	18.2	14.0	9.1	9.1	8.7	3.6	3.6	0.8	0.4	11.5	8.9	0.6
		-4.2	-9.1	-9.1	-9.5	-14.6	-14.6	-17.4	-17.8	-6.7	-9.3	-17.6
서대문구	20.9	16.4	10.8	10.6	10.0	4.6	4.5	1.2	0.7	13.6	10.3	0.9
		-4.5	-10.1	-10.3	-10.9	-16.3	-16.4	-19.7	-20.2	-7.3	-10.6	-20.0
서초구	17.3	13.1	8.4	8.7	8.3	3.2	3.3	0.7	0.3	10.7	8.5	0.5
		-4.2	-8.9	-8.6	-9.0	-14.1	-14.0	-16.6	-17.0	-6.6	-8.8	-16.8
성동구	16.9	13.0	8.5	8.6	8.3	3.3	3.3	0.8	0.3	10.7	8.4	0.6
		-3.9	-8.4	-8.3	-8.6	-13.6	-13.6	-16.1	-16.6	-6.2	-8.5	-16.3
성북구	19.7	15.7	10.4	10.2	9.8	4.3	4.3	1.1	0.6	13.1	10.0	0.9
		-4.0	-9.3	-9.5	-9.9	-15.4	-15.4	-18.6	-19.1	-6.6	-9.7	-18.8
송파구	16.1	12.1	7.9	8.1	7.8	3.0	3.0	0.7	0.3	10.0	8.0	0.5
		-4.0	-8.2	-8.0	-8.3	-13.1	-13.1	-15.4	-15.8	-6.1	-8.1	-15.6
양천구	17.5	13.2	8.5	8.6	8.1	3.2	3.3	0.7	0.3	10.8	8.4	0.5
		-4.3	-9.0	-8.9	-9.4	-14.3	-14.2	-16.8	-17.2	-6.7	-9.1	-17.0
영등포구	17.7	13.1	8.4	8.6	8.2	3.2	3.3	0.8	0.3	10.8	8.4	0.5
		-4.6	-9.3	-9.1	-9.5	-14.5	-14.4	-16.9	-17.4	-6.9	-9.3	-17.2
용산구	19.6	15.3	10.1	9.9	9.5	4.1	4.1	1.0	0.6	12.7	9.7	0.8
		-4.3	-9.5	-9.7	-10.1	-15.5	-15.5	-18.6	-19.0	-6.9	-9.9	-18.8
은평구	18.9	14.9	9.8	9.6	9.2	3.9	3.9	1.0	0.5	12.3	9.4	0.7
		-4.0	-9.1	-9.3	-9.7	-15.0	-15.0	-17.9	-18.4	-6.6	-9.5	-18.2
종로구	21.0	16.7	11.1	10.9	10.3	4.7	4.7	1.3	0.7	13.9	10.6	1.0
		-4.3	-9.9	-10.1	-10.7	-16.3	-16.3	-19.7	-20.3	-7.1	-10.4	-20.0
중구	18.2	14.1	9.3	9.1	8.9	3.7	3.7	0.8	0.4	11.7	9.0	0.6
		-4.1	-8.9	-9.1	-9.3	-14.5	-14.5	-17.4	-17.8	-6.5	-9.2	-17.6
종랑구	17.5	13.8	8.9	9.0	8.7	3.5	3.6	0.8	0.4	11.3	8.9	0.6
		-3.7	-8.6	-8.5	-8.8	-14.0	-13.9	-16.7	-17.1	-6.2	-8.6	-16.9

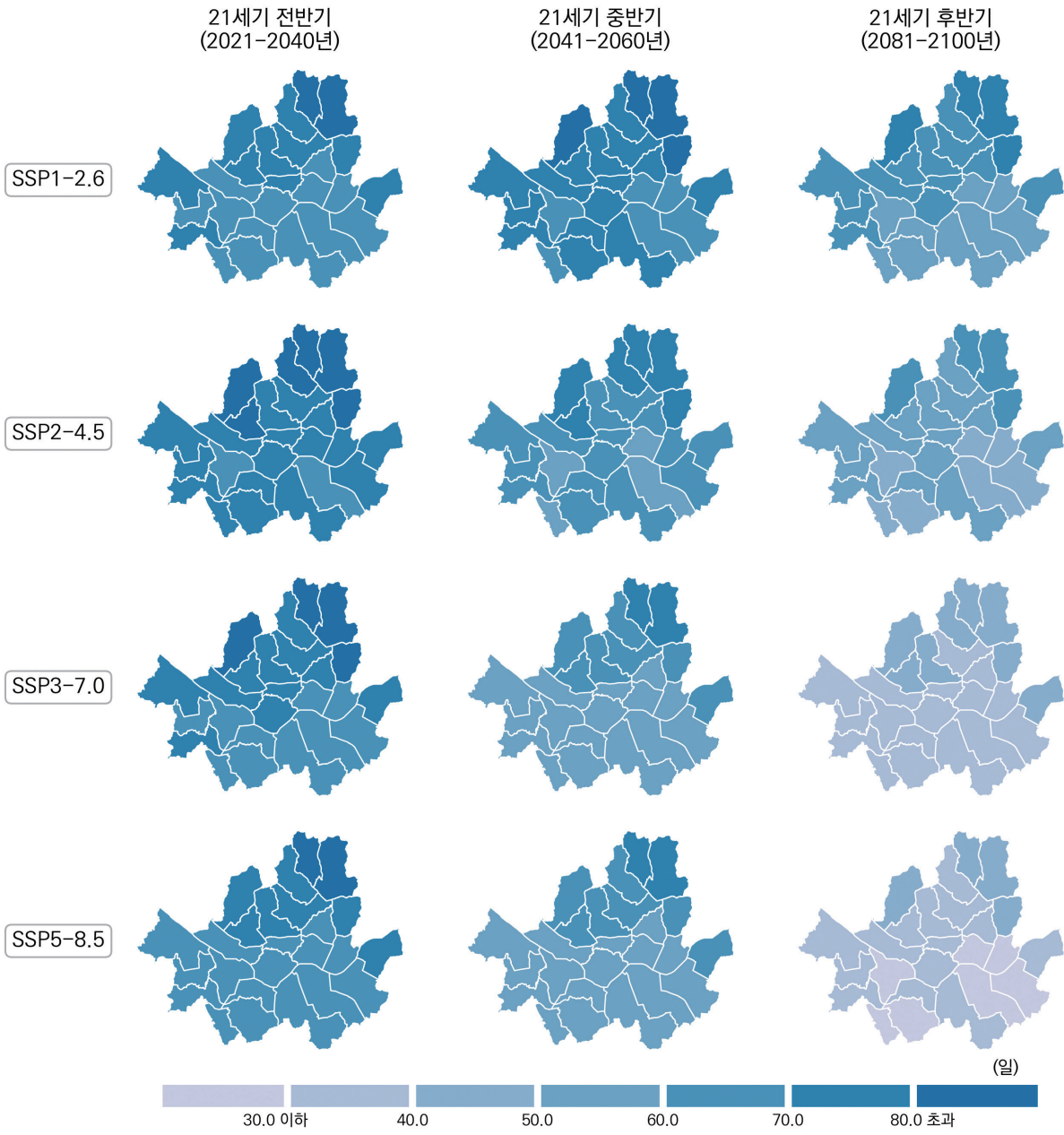


그림 4-29. 서울특별시의 서리일수(일) 전망 분포도



표 4-77. 서울특별시의 서리일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	89.8	73.7 -16.1	69.8 -20.0	71.9 -17.9	77.1 -12.7	69.5 -20.3	68.0 -21.8	65.3 -24.5	60.6 -29.2	71.7 -18.1	74.5 -15.3	63.0 -26.8
강남구	81.8	67.0 -14.8	61.9 -19.9	64.8 -17.0	70.2 -11.6	62.6 -19.2	60.8 -21.0	59.0 -22.8	53.2 -28.6	64.4 -17.4	67.5 -14.3	56.1 -25.7
강동구	94.3	76.7 -17.6	73.1 -21.2	75.2 -19.1	79.9 -14.4	73.0 -21.3	71.5 -22.8	68.2 -26.1	64.1 -30.2	74.9 -19.4	77.6 -16.7	66.2 -28.1
강북구	95.7	78.2 -17.5	75.2 -20.5	77.0 -18.7	81.7 -14.0	74.7 -21.0	73.1 -22.6	69.9 -25.8	65.7 -30.0	76.7 -19.0	79.3 -16.4	67.8 -27.9
강서구	89.1	73.0 -16.1	68.9 -20.2	71.1 -18.0	76.5 -12.6	68.7 -20.4	67.3 -21.8	64.5 -24.6	60.0 -29.1	71.0 -18.1	73.8 -15.3	62.3 -26.8
관악구	85.1	69.9 -15.2	65.4 -19.7	67.7 -17.4	73.6 -11.5	65.4 -19.7	63.8 -21.3	61.5 -23.6	56.4 -28.7	67.6 -17.5	70.6 -14.5	58.9 -26.2
광진구	84.2	68.8 -15.4	64.1 -20.1	66.8 -17.4	72.1 -12.1	64.5 -19.7	62.8 -21.4	60.8 -23.4	55.3 -28.9	66.5 -17.7	69.5 -14.7	58.1 -26.1
구로구	88.1	72.6 -15.5	68.2 -19.9	70.6 -17.5	76.2 -11.9	68.2 -19.9	66.8 -21.3	63.9 -24.2	59.4 -28.7	70.4 -17.7	73.4 -14.7	61.7 -26.4
금천구	81.8	67.4 -14.4	62.5 -19.3	65.2 -16.6	71.0 -10.8	62.7 -19.1	61.0 -20.8	59.1 -22.7	53.9 -27.9	65.0 -16.8	68.1 -13.7	56.5 -25.3
노원구	104.2	85.3 -18.9	83.5 -20.7	84.5 -19.7	88.3 -15.9	81.7 -22.5	80.1 -24.1	76.5 -27.7	73.0 -31.2	84.4 -19.8	86.4 -17.8	74.7 -29.5
도봉구	104.6	85.6 -19.0	83.9 -20.7	84.7 -19.9	88.5 -16.1	81.9 -22.7	80.4 -24.2	76.7 -27.9	73.2 -31.4	84.7 -19.9	86.6 -18.0	75.0 -29.6
동대문구	87.5	71.7 -15.8	67.3 -20.2	69.7 -17.8	75.0 -12.5	67.3 -20.2	65.8 -21.7	63.4 -24.1	58.4 -29.1	69.5 -18.0	72.4 -15.1	60.9 -26.6
동작구	85.3	70.4 -14.9	66.0 -19.3	68.2 -17.1	73.8 -11.5	66.0 -19.3	64.5 -20.8	62.1 -23.2	57.1 -28.2	68.2 -17.1	71.0 -14.3	59.6 -25.7
마포구	87.6	72.0 -15.6	67.7 -19.9	69.9 -17.7	75.4 -12.2	67.5 -20.1	66.1 -21.5	63.6 -24.0	58.8 -28.8	69.8 -17.8	72.6 -15.0	61.2 -26.4
서대문구	95.3	78.5 -16.8	75.6 -19.7	77.1 -18.2	82.1 -13.2	74.9 -20.4	73.5 -21.8	70.1 -25.2	66.0 -29.3	77.0 -18.3	79.6 -15.7	68.0 -27.3
서초구	87.0	70.7 -16.3	66.4 -20.6	68.8 -18.2	74.2 -12.8	66.4 -20.6	64.7 -22.3	62.4 -24.6	57.5 -29.5	68.6 -18.4	71.5 -15.5	59.9 -27.1
성동구	83.5	68.4 -15.1	63.6 -19.9	66.2 -17.3	71.6 -11.9	63.9 -19.6	62.3 -21.2	60.4 -23.1	54.8 -28.7	66.0 -17.5	68.9 -14.6	57.6 -25.9
성북구	93.0	76.1 -16.9	72.6 -20.4	74.5 -18.5	79.6 -13.4	72.3 -20.7	70.7 -22.3	67.7 -25.3	63.4 -29.6	74.3 -18.7	77.0 -16.0	65.5 -27.5
송파구	84.2	68.8 -15.4	64.0 -20.2	66.7 -17.5	71.9 -12.3	64.5 -19.7	62.7 -21.5	60.7 -23.5	55.2 -29.0	66.4 -17.8	69.3 -14.9	57.9 -26.3
양천구	86.9	71.3 -15.6	66.9 -20.0	69.3 -17.6	75.0 -11.9	66.9 -20.0	65.5 -21.4	62.9 -24.0	58.2 -28.7	69.1 -17.8	72.2 -14.7	60.6 -26.3
영등포구	80.4	66.6 -13.8	61.6 -18.8	64.1 -16.3	69.8 -10.6	61.9 -18.5	60.4 -20.0	58.5 -21.9	53.0 -27.4	64.1 -16.3	66.9 -13.5	55.7 -24.7
용산구	87.6	72.1 -15.5	67.8 -19.8	70.0 -17.6	75.5 -12.1	67.7 -19.9	66.2 -21.4	63.8 -23.8	58.9 -28.7	69.9 -17.7	72.8 -14.8	61.3 -26.3
은평구	98.1	80.9 -17.2	78.3 -19.8	79.7 -18.4	84.3 -13.8	77.2 -20.9	75.6 -22.5	72.4 -25.7	68.4 -29.7	79.6 -18.5	82.0 -16.1	70.4 -27.7
종로구	93.0	76.7 -16.3	73.3 -19.7	75.2 -17.8	80.2 -12.8	73.0 -20.0	71.3 -21.7	68.3 -24.7	64.0 -29.0	75.0 -18.0	77.7 -15.3	66.1 -26.9
중구	88.0	72.3 -15.7	68.0 -20.0	70.3 -17.7	75.7 -12.3	67.8 -20.2	66.4 -21.6	64.0 -24.0	59.1 -28.9	70.2 -17.8	73.0 -15.0	61.5 -26.5
종랑구	99.1	81.1 -18.0	78.4 -20.7	79.9 -19.2	84.2 -14.9	77.3 -21.8	75.5 -23.6	72.5 -26.6	68.3 -30.8	79.7 -19.4	82.1 -17.0	70.4 -28.7

표 4-78. 서울특별시의 서리일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	89.8	74.0	79.6	66.0	65.4	57.0	59.2	51.5	55.6	76.8	65.7	53.6
		-15.8	-10.2	-23.8	-24.4	-32.8	-30.6	-38.3	-34.2	-13.0	-24.1	-36.2
강남구	81.8	66.9	72.6	58.6	58.6	50.2	52.8	44.7	48.8	69.8	58.6	46.7
		-14.9	-9.2	-23.2	-23.2	-31.6	-29.0	-37.1	-33.0	-12.0	-23.2	-35.1
강동구	94.3	77.2	82.8	69.0	68.3	60.0	62.2	54.9	59.4	80.0	68.7	57.1
		-17.1	-11.5	-25.3	-26.0	-34.3	-32.1	-39.4	-34.9	-14.3	-25.6	-37.2
강북구	95.7	78.8	84.4	71.0	70.2	61.8	63.9	56.6	60.6	81.6	70.6	58.6
		-16.9	-11.3	-24.7	-25.5	-33.9	-31.8	-39.1	-35.1	-14.1	-25.1	-37.1
강서구	89.1	73.2	79.1	65.5	64.7	56.1	58.3	50.5	54.8	76.2	65.1	52.6
		-15.9	-10.0	-23.6	-24.4	-33.0	-30.8	-38.6	-34.3	-12.9	-24.0	-36.5
관악구	85.1	70.1	75.8	61.9	61.6	53.0	55.4	47.5	51.3	73.0	61.8	49.4
		-15.0	-9.3	-23.2	-23.5	-32.1	-29.7	-37.6	-33.8	-12.1	-23.3	-35.7
광진구	84.2	68.7	74.6	60.7	60.4	52.1	54.7	46.5	51.0	71.6	60.5	48.7
		-15.5	-9.6	-23.5	-23.8	-32.1	-29.5	-37.7	-33.2	-12.6	-23.7	-35.5
구로구	88.1	72.7	78.7	65.0	64.4	55.6	57.9	50.1	54.1	75.7	64.7	52.1
		-15.4	-9.4	-23.1	-23.7	-32.5	-30.2	-38.0	-34.0	-12.4	-23.4	-36.0
금천구	81.8	67.7	73.4	59.2	59.1	50.3	53.0	44.8	48.5	70.5	59.2	46.6
		-14.1	-8.4	-22.6	-22.7	-31.5	-28.8	-37.0	-33.3	-11.3	-22.6	-35.2
노원구	104.2	86.4	90.9	78.5	77.1	68.8	70.6	63.9	67.5	88.6	77.8	65.7
		-17.8	-13.3	-25.7	-27.1	-35.4	-33.6	-40.3	-36.7	-15.6	-26.4	-38.5
도봉구	104.6	86.5	91.1	78.5	77.4	69.1	70.8	64.2	67.7	88.8	78.0	65.9
		-18.1	-13.5	-26.1	-27.2	-35.5	-33.8	-40.4	-36.9	-15.8	-26.6	-38.7
동대문구	87.5	71.7	77.6	63.6	63.2	54.9	57.2	49.3	53.8	74.6	63.4	51.6
		-15.8	-9.9	-23.9	-24.3	-32.6	-30.3	-38.2	-33.7	-12.9	-24.1	-35.9
동작구	85.3	70.6	76.3	62.4	62.1	53.7	55.9	48.3	52.0	73.5	62.3	50.1
		-14.7	-9.0	-22.9	-23.2	-31.6	-29.4	-37.0	-33.3	-11.8	-23.0	-35.2
마포구	87.6	72.1	78.0	64.3	63.7	55.2	57.5	49.6	53.8	75.1	64.0	51.7
		-15.5	-9.6	-23.3	-23.9	-32.4	-30.1	-38.0	-33.8	-12.5	-23.6	-35.9
서대문구	95.3	79.1	84.6	71.7	70.7	62.2	64.0	56.6	60.6	81.9	71.2	58.6
		-16.2	-10.7	-23.6	-24.6	-33.1	-31.3	-38.7	-34.7	-13.4	-24.1	-36.7
서초구	87.0	70.9	76.7	62.9	62.4	53.8	56.2	48.4	52.7	73.8	62.7	50.5
		-16.1	-10.3	-24.1	-24.6	-33.2	-30.8	-38.6	-34.3	-13.2	-24.3	-36.5
성동구	83.5	68.2	74.1	60.1	60.0	51.6	54.1	46.0	50.3	71.1	60.0	48.1
		-15.3	-9.4	-23.4	-23.5	-31.9	-29.4	-37.5	-33.2	-12.4	-23.5	-35.4
성북구	93.0	76.4	82.2	68.7	68.0	59.6	61.7	54.2	58.3	79.3	68.3	56.3
		-16.6	-10.8	-24.3	-25.0	-33.4	-31.3	-38.8	-34.7	-13.7	-24.7	-36.7
송파구	84.2	68.6	74.5	60.5	60.3	51.9	54.5	46.5	50.8	71.6	60.4	48.7
		-15.6	-9.7	-23.7	-23.9	-32.3	-29.7	-37.7	-33.4	-12.6	-23.8	-35.5
양천구	86.9	71.5	77.6	63.7	63.1	54.5	56.8	48.8	52.9	74.5	63.4	50.9
		-15.4	-9.3	-23.2	-23.8	-32.4	-30.1	-38.1	-34.0	-12.4	-23.5	-36.0
영등포구	80.4	66.7	72.5	58.0	58.4	49.8	52.2	44.4	47.8	69.6	58.2	46.1
		-13.7	-7.9	-22.4	-22.0	-30.6	-28.2	-36.0	-32.6	-10.8	-22.2	-34.3
용산구	87.6	72.3	78.0	64.3	63.7	55.3	57.6	49.7	54.1	75.1	64.0	51.9
		-15.3	-9.6	-23.3	-23.9	-32.3	-30.0	-37.9	-33.5	-12.5	-23.6	-35.7
은평구	98.1	81.6	86.7	74.1	73.0	64.6	66.3	59.1	62.8	84.1	73.5	61.0
		-16.5	-11.4	-24.0	-25.1	-33.5	-31.8	-39.0	-35.3	-14.0	-24.6	-37.1
종로구	93.0	77.1	82.8	69.5	68.6	60.2	62.2	54.7	58.8	79.9	69.1	56.8
		-15.9	-10.2	-23.5	-24.4	-32.8	-30.8	-38.3	-34.2	-13.1	-23.9	-36.2
중구	88.0	72.4	78.2	64.4	63.9	55.2	57.8	49.7	54.2	75.3	64.2	52.0
		-15.6	-9.8	-23.6	-24.1	-32.8	-30.2	-38.3	-33.8	-12.7	-23.8	-36.0
종량구	99.1	81.8	86.8	73.9	72.7	64.6	66.5	59.3	63.3	84.3	73.3	61.3
		-17.3	-12.3	-25.2	-26.4	-34.5	-32.6	-39.8	-35.8	-14.8	-25.8	-37.8

표 4-79. 서울특별시의 서리일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	89.8	76.4	68.6	60.9	55.2	53.7	49.8	41.7	33.1	72.5	58.0	37.4
		-13.4	-21.2	-28.9	-34.6	-36.1	-40.0	-48.1	-56.7	-17.3	-31.8	-52.4
강남구	81.8	69.2	61.4	53.2	48.0	47.1	43.7	35.6	27.6	65.3	50.6	31.6
		-12.6	-20.4	-28.6	-33.8	-34.7	-38.1	-46.2	-54.2	-16.5	-31.2	-50.2
강동구	94.3	79.5	71.8	64.4	58.4	57.2	52.6	44.9	35.9	75.7	61.4	40.4
		-14.8	-22.5	-29.9	-35.9	-37.1	-41.7	-49.4	-58.4	-18.6	-32.9	-53.9
강북구	95.7	81.4	73.8	66.2	60.3	58.7	54.2	46.4	37.4	77.6	63.2	41.9
		-14.3	-21.9	-29.5	-35.4	-37.0	-41.5	-49.3	-58.3	-18.1	-32.5	-53.8
강서구	89.1	75.8	67.5	60.1	54.2	52.7	49.0	40.4	31.9	71.7	57.1	36.2
		-13.3	-21.6	-29.0	-34.9	-36.4	-40.1	-48.7	-57.2	-17.4	-32.0	-52.9
관악구	85.1	72.6	64.4	56.5	51.0	49.6	46.1	37.6	29.3	68.5	53.7	33.4
		-12.5	-20.7	-28.6	-34.1	-35.5	-39.0	-47.5	-55.8	-16.6	-31.4	-51.7
광진구	84.2	71.3	63.4	55.3	50.0	49.1	45.5	37.6	29.3	67.4	52.6	33.5
		-12.9	-20.8	-28.9	-34.2	-35.1	-38.7	-46.6	-54.9	-16.8	-31.6	-50.7
구로구	88.1	75.6	67.1	59.6	53.8	52.2	48.5	39.9	31.3	71.3	56.7	35.6
		-12.5	-21.0	-28.5	-34.3	-35.9	-39.6	-48.2	-56.8	-16.8	-31.4	-52.5
금천구	81.8	70.2	61.8	53.9	48.4	47.0	43.6	35.3	26.9	66.0	51.1	31.1
		-11.6	-20.0	-27.9	-33.4	-34.8	-38.2	-46.5	-54.9	-15.8	-30.7	-50.7
노원구	104.2	88.9	82.0	74.0	67.8	65.1	61.0	53.3	44.1	85.4	70.9	48.7
		-15.3	-22.2	-30.2	-36.4	-39.1	-43.2	-50.9	-60.1	-18.8	-33.3	-55.5
도봉구	104.6	89.1	82.2	74.4	68.1	65.3	61.2	53.6	44.4	85.6	71.2	49.0
		-15.5	-22.4	-30.2	-36.5	-39.3	-43.4	-51.0	-60.2	-19.0	-33.4	-55.6
동대문구	87.5	74.2	66.3	58.5	52.9	52.1	48.0	40.0	31.5	70.2	55.7	35.7
		-13.3	-21.2	-29.0	-34.6	-35.4	-39.5	-47.5	-56.0	-17.3	-31.8	-51.8
동작구	85.3	72.9	65.2	57.2	51.6	50.3	46.7	38.4	30.0	69.0	54.4	34.2
		-12.4	-20.1	-28.1	-33.7	-35.0	-38.6	-46.9	-55.3	-16.3	-30.9	-51.1
마포구	87.6	74.5	66.4	58.9	53.2	51.9	48.2	39.9	31.3	70.4	56.1	35.6
		-13.1	-21.2	-28.7	-34.4	-35.7	-39.4	-47.7	-56.3	-17.2	-31.5	-52.0
서대문구	95.3	81.8	74.1	66.7	60.5	58.4	54.5	46.5	37.2	77.9	63.6	41.8
		-13.5	-21.2	-28.6	-34.8	-36.9	-40.8	-48.8	-58.1	-17.4	-31.7	-53.5
서초구	87.0	73.3	65.2	57.6	51.9	50.9	47.0	38.7	30.3	69.3	54.7	34.5
		-13.7	-21.8	-29.4	-35.1	-36.1	-40.0	-48.3	-56.7	-17.7	-32.3	-52.5
성동구	83.5	70.7	62.7	54.8	49.5	48.5	45.0	36.9	28.7	66.7	52.1	32.8
		-12.8	-20.8	-28.7	-34.0	-35.0	-38.5	-46.6	-54.8	-16.8	-31.4	-50.7
성북구	93.0	79.0	71.2	63.7	57.8	56.6	52.1	44.2	35.2	75.1	60.7	39.7
		-14.0	-21.8	-29.3	-35.2	-36.4	-40.9	-48.8	-57.8	-17.9	-32.3	-53.3
송파구	84.2	71.1	63.2	55.0	49.9	49.0	45.3	37.3	29.1	67.1	52.5	33.2
		-13.1	-21.0	-29.2	-34.3	-35.2	-38.9	-46.9	-55.1	-17.1	-31.7	-51.0
양천구	86.9	74.2	65.8	58.2	52.4	51.2	47.4	38.8	30.5	70.0	55.3	34.6
		-12.7	-21.1	-28.7	-34.5	-35.7	-39.5	-48.1	-56.4	-16.9	-31.6	-52.3
영등포구	80.4	68.8	61.1	52.8	47.6	46.4	43.1	34.7	26.8	64.9	50.2	30.8
		-11.6	-19.3	-27.6	-32.8	-34.0	-37.3	-45.7	-53.6	-15.5	-30.2	-49.6
용산구	87.6	74.5	66.5	59.0	53.3	52.2	48.3	40.0	31.4	70.5	56.1	35.7
		-13.1	-21.1	-28.6	-34.3	-35.4	-39.3	-47.6	-56.2	-17.1	-31.5	-51.9
은평구	98.1	84.1	76.8	69.2	63.0	60.5	56.7	48.7	39.5	80.4	66.1	44.1
		-14.0	-21.3	-28.9	-35.1	-37.6	-41.4	-49.4	-58.6	-17.7	-32.0	-54.0
종로구	93.0	79.5	72.0	64.4	58.5	56.9	52.8	44.7	35.8	75.7	61.4	40.2
		-13.5	-21.0	-28.6	-34.5	-36.1	-40.2	-48.3	-57.2	-17.3	-31.6	-52.8
중구	88.0	74.5	66.6	59.3	53.5	52.5	48.4	40.3	31.5	70.6	56.4	35.9
		-13.5	-21.4	-28.7	-34.5	-35.5	-39.6	-47.7	-56.5	-17.4	-31.6	-52.1
종랑구	99.1	84.3	77.1	69.2	63.3	61.1	57.0	49.1	40.2	80.7	66.3	44.7
		-14.8	-22.0	-29.9	-35.8	-38.0	-42.1	-50.0	-58.9	-18.4	-32.8	-54.4

표 4-80. 서울특별시의 서리일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	89.8	73.9	66.5	61.6	57.0	45.3	45.4	36.9	30.4	70.2	59.3	33.7
		-15.9	-23.3	-28.2	-32.8	-44.5	-44.4	-52.9	-59.4	-19.6	-30.5	-56.1
강남구	81.8	66.1	58.5	54.2	50.4	38.2	39.1	31.2	24.1	62.3	52.3	27.7
		-15.7	-23.3	-27.6	-31.4	-43.6	-42.7	-50.6	-57.7	-19.5	-29.5	-54.1
강동구	94.3	77.6	70.7	65.1	60.4	48.6	48.6	40.3	34.5	74.2	62.7	37.4
		-16.7	-23.6	-29.2	-33.9	-45.7	-45.7	-54.0	-59.8	-20.1	-31.6	-56.9
강북구	95.7	79.4	72.6	66.9	61.7	50.5	50.0	41.6	35.4	76.0	64.3	38.5
		-16.3	-23.1	-28.8	-34.0	-45.2	-45.7	-54.1	-60.3	-19.7	-31.4	-57.2
강서구	89.1	73.0	65.1	60.7	56.1	44.0	44.6	35.7	29.1	69.1	58.4	32.4
		-16.1	-24.0	-28.4	-33.0	-45.1	-44.5	-53.4	-60.0	-20.0	-30.7	-56.7
관악구	85.1	69.7	61.7	57.2	53.0	41.0	41.6	33.0	26.1	65.7	55.1	29.5
		-15.4	-23.4	-27.9	-32.1	-44.1	-43.5	-52.1	-59.0	-19.4	-30.0	-55.6
광진구	84.2	68.1	61.0	56.3	52.4	40.2	41.0	33.2	26.2	64.5	54.4	29.7
		-16.1	-23.2	-27.9	-31.8	-44.0	-43.2	-51.0	-58.0	-19.7	-29.8	-54.5
구로구	88.1	72.7	64.7	60.2	55.7	43.5	44.0	35.1	28.3	68.7	57.9	31.7
		-15.4	-23.4	-27.9	-32.4	-44.6	-44.1	-53.0	-59.8	-19.4	-30.2	-56.4
금천구	81.8	67.0	59.0	54.4	50.5	38.4	39.0	30.4	23.2	63.0	52.5	26.8
		-14.8	-22.8	-27.4	-31.3	-43.4	-42.8	-51.4	-58.6	-18.8	-29.3	-55.0
노원구	104.2	87.2	81.1	74.4	68.2	58.2	56.1	47.7	42.1	84.2	71.3	44.9
		-17.0	-23.1	-29.8	-36.0	-46.0	-48.1	-56.5	-62.1	-20.0	-32.9	-59.3
도봉구	104.6	87.5	81.4	74.6	68.3	58.5	56.3	47.9	42.3	84.4	71.5	45.1
		-17.1	-23.2	-30.0	-36.3	-46.1	-48.3	-56.7	-62.3	-20.2	-33.1	-59.5
동대문구	87.5	71.3	64.1	59.4	55.2	43.2	43.6	35.5	28.9	67.7	57.3	32.2
		-16.2	-23.4	-28.1	-32.3	-44.3	-43.9	-52.0	-58.6	-19.8	-30.2	-55.3
동작구	85.3	70.3	62.5	57.9	53.8	41.9	42.3	33.8	27.1	66.4	55.8	30.5
		-15.0	-22.8	-27.4	-31.5	-43.4	-43.0	-51.5	-58.2	-18.9	-29.5	-54.8
마포구	87.6	71.6	63.9	59.6	55.4	43.2	43.8	35.2	28.5	67.8	57.5	31.9
		-16.0	-23.7	-28.0	-32.2	-44.4	-43.8	-52.4	-59.1	-19.8	-30.1	-55.7
서대문구	95.3	79.9	72.6	67.5	61.8	50.4	50.2	41.3	35.2	76.3	64.6	38.3
		-15.4	-22.7	-27.8	-33.5	-44.9	-45.1	-54.0	-60.1	-19.0	-30.7	-57.0
서초구	87.0	70.4	62.7	58.2	54.1	41.8	42.4	34.3	27.4	66.6	56.2	30.8
		-16.6	-24.3	-28.8	-32.9	-45.2	-44.6	-52.7	-59.6	-20.4	-30.8	-56.2
성동구	83.5	67.5	60.1	55.7	51.8	39.7	40.5	32.5	25.5	63.8	53.7	29.0
		-16.0	-23.4	-27.8	-31.7	-43.8	-43.0	-51.0	-58.0	-19.7	-29.8	-54.5
성북구	93.0	76.9	69.8	64.5	59.6	47.9	47.9	39.5	33.3	73.3	62.0	36.4
		-16.1	-23.2	-28.5	-33.4	-45.1	-45.1	-53.5	-59.7	-19.7	-31.0	-56.6
송파구	84.2	68.2	60.7	56.1	52.3	40.1	40.8	32.9	26.2	64.5	54.2	29.5
		-16.0	-23.5	-28.1	-31.9	-44.1	-43.4	-51.3	-58.0	-19.7	-30.0	-54.7
양천구	86.9	71.2	63.2	58.9	54.7	42.3	43.0	34.2	27.4	67.2	56.8	30.8
		-15.7	-23.7	-28.0	-32.2	-44.6	-43.9	-52.7	-59.5	-19.7	-30.1	-56.1
영등포구	80.4	65.8	57.9	53.5	49.8	38.0	38.6	30.3	23.3	61.8	51.7	26.8
		-14.6	-22.5	-26.9	-30.6	-42.4	-41.8	-50.1	-57.1	-18.6	-28.7	-53.6
용산구	87.6	71.8	64.2	59.6	55.6	43.4	43.9	35.4	28.7	68.0	57.6	32.1
		-15.8	-23.4	-28.0	-32.0	-44.2	-43.7	-52.2	-58.9	-19.6	-30.0	-55.5
은평구	98.1	82.5	75.7	69.9	64.0	53.2	52.4	43.4	37.5	79.1	66.9	40.4
		-15.6	-22.4	-28.2	-34.1	-44.9	-45.7	-54.7	-60.6	-19.0	-31.2	-57.7
종로구	93.0	77.6	70.3	65.2	60.2	48.5	48.5	39.9	33.5	73.9	62.7	36.7
		-15.4	-22.7	-27.8	-32.8	-44.5	-44.5	-53.1	-59.5	-19.1	-30.3	-56.3
중구	88.0	71.9	64.4	59.9	55.8	43.6	44.1	35.6	29.0	68.1	57.9	32.3
		-16.1	-23.6	-28.1	-32.2	-44.4	-43.9	-52.4	-59.0	-19.9	-30.1	-55.7
종량구	99.1	82.4	75.8	69.8	64.1	53.4	52.3	43.9	38.0	79.1	67.0	41.0
		-16.7	-23.3	-29.3	-35.0	-45.7	-46.8	-55.2	-61.1	-20.0	-32.1	-58.1

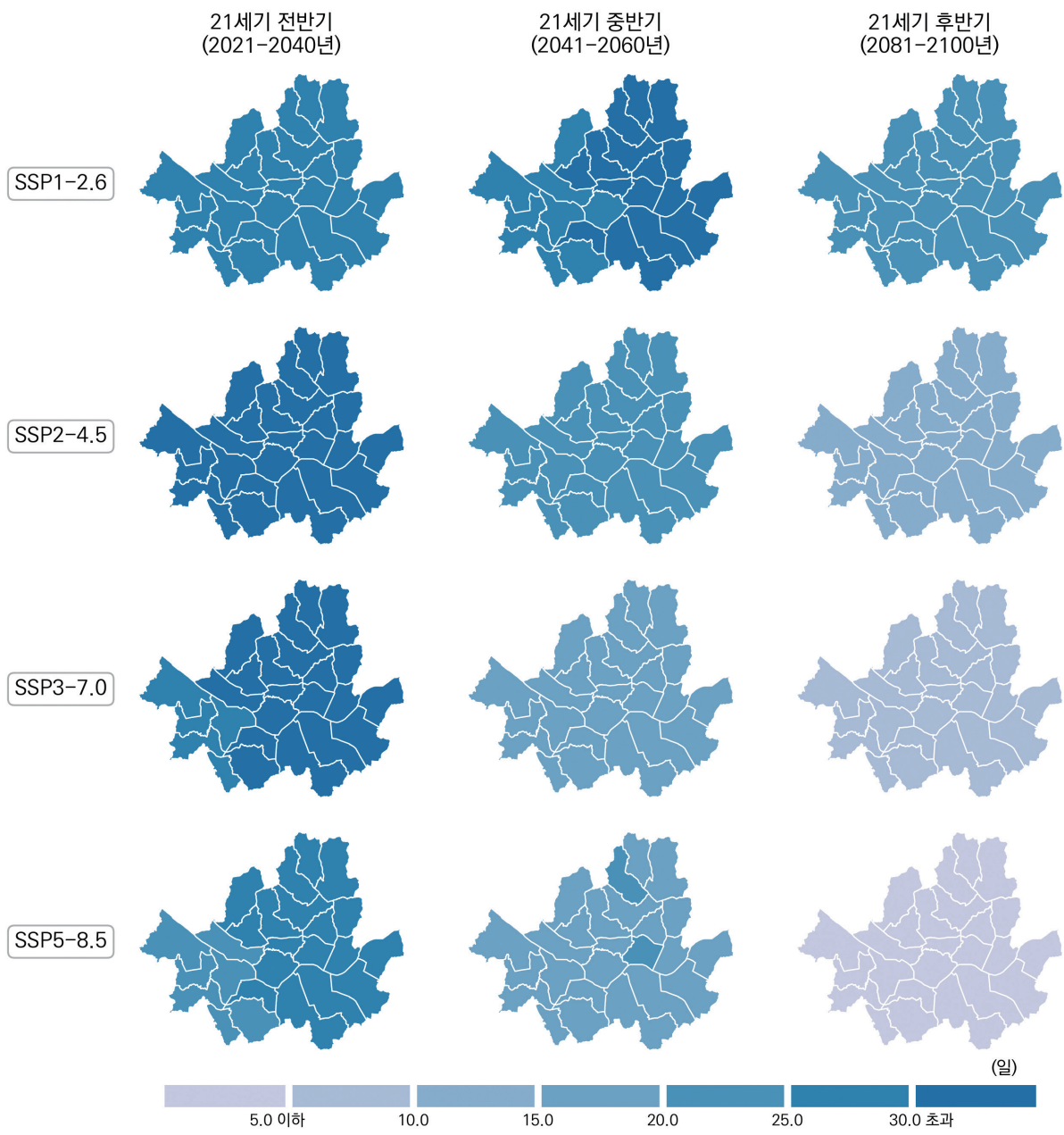


그림 4-30. 서울특별시의 한랭일(일) 전망 분포도

표 4-81. 서울특별시의 한랭일 21세기 전망과 현 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.4	31.0	25.5	28.3	32.1	27.2	25.1	26.0	21.2	28.3	30.2	23.6
		-4.4	-9.9	-7.1	-3.3	-8.2	-10.3	-9.4	-14.2	-7.1	-5.2	-11.8
강남구	35.4	31.1	25.6	28.5	32.3	27.3	25.4	26.2	21.2	28.3	30.4	23.7
		-4.3	-9.8	-6.9	-3.1	-8.1	-10.0	-9.2	-14.2	-7.1	-5.0	-11.7
강동구	35.4	31.2	25.6	28.4	32.3	27.5	25.7	26.3	21.4	28.4	30.4	23.9
		-4.2	-9.8	-7.0	-3.1	-7.9	-9.7	-9.1	-14.0	-7.0	-5.0	-11.5
강북구	35.9	31.4	25.8	28.7	32.7	27.6	25.6	26.8	21.7	28.6	30.7	24.2
		-4.5	-10.1	-7.2	-3.2	-8.3	-10.3	-9.1	-14.2	-7.3	-5.2	-11.7
강서구	35.2	30.7	25.4	28.0	31.7	26.8	24.4	25.4	20.7	28.0	29.9	23.1
		-4.5	-9.8	-7.2	-3.5	-8.4	-10.8	-9.8	-14.5	-7.2	-5.3	-12.1
관악구	35.3	30.8	25.5	28.3	31.8	27.0	24.8	25.5	20.9	28.2	30.0	23.2
		-4.5	-9.8	-7.0	-3.5	-8.3	-10.5	-9.8	-14.4	-7.1	-5.3	-12.1
광진구	35.6	31.5	25.9	28.7	32.8	27.6	25.7	26.6	21.8	28.7	30.7	24.2
		-4.1	-9.7	-6.9	-2.8	-8.0	-9.9	-9.0	-13.8	-6.9	-4.9	-11.4
구로구	35.1	30.4	25.2	27.8	31.4	26.5	24.2	24.8	20.4	27.8	29.6	22.6
		-4.7	-9.9	-7.3	-3.7	-8.6	-10.9	-10.3	-14.7	-7.3	-5.5	-12.5
금천구	35.2	30.4	25.0	27.8	31.2	26.4	24.1	24.7	20.1	27.7	29.5	22.4
		-4.8	-10.2	-7.4	-4.0	-8.8	-11.1	-10.5	-15.1	-7.5	-5.7	-12.8
노원구	35.5	31.1	25.5	28.5	32.1	27.4	25.3	26.4	21.5	28.3	30.3	23.9
		-4.4	-10.0	-7.0	-3.4	-8.1	-10.2	-9.1	-14.0	-7.2	-5.2	-11.6
도봉구	35.7	31.3	25.6	28.6	32.3	27.5	25.4	26.5	21.6	28.4	30.5	24.1
		-4.4	-10.1	-7.1	-3.4	-8.2	-10.3	-9.2	-14.1	-7.3	-5.2	-11.6
동대문구	35.7	31.4	25.9	28.6	32.8	27.6	25.6	26.6	21.8	28.7	30.7	24.2
		-4.3	-9.8	-7.1	-2.9	-8.1	-10.1	-9.1	-13.9	-7.0	-5.0	-11.5
동작구	35.5	30.8	25.5	28.3	31.9	27.1	24.9	25.6	21.0	28.1	30.1	23.3
		-4.7	-10.0	-7.2	-3.6	-8.4	-10.6	-9.9	-14.5	-7.4	-5.4	-12.2
마포구	34.9	30.7	25.2	28.0	31.7	26.9	24.8	25.5	21.0	27.9	29.9	23.2
		-4.2	-9.7	-6.9	-3.2	-8.0	-10.1	-9.4	-13.9	-7.0	-5.0	-11.7
서대문구	35.2	30.7	25.3	28.2	32.0	27.1	25.0	25.8	21.1	28.0	30.1	23.5
		-4.5	-9.9	-7.0	-3.2	-8.1	-10.2	-9.4	-14.1	-7.2	-5.1	-11.7
서초구	35.5	31.1	25.7	28.5	32.3	27.4	25.3	26.1	21.3	28.4	30.4	23.7
		-4.4	-9.8	-7.0	-3.2	-8.1	-10.2	-9.4	-14.2	-7.1	-5.1	-11.8
성동구	35.8	31.5	25.9	28.7	32.9	27.7	25.7	26.6	21.7	28.7	30.8	24.2
		-4.3	-9.9	-7.1	-2.9	-8.1	-10.1	-9.2	-14.1	-7.1	-5.0	-11.6
성북구	35.9	31.5	25.9	28.7	32.8	27.6	25.5	26.7	21.8	28.7	30.7	24.2
		-4.4	-10.0	-7.2	-3.1	-8.3	-10.4	-9.2	-14.1	-7.2	-5.2	-11.7
송파구	35.6	31.4	25.7	28.6	32.5	27.5	25.8	26.4	21.4	28.6	30.5	23.9
		-4.2	-9.9	-7.0	-3.1	-8.1	-9.8	-9.2	-14.2	-7.0	-5.1	-11.7
양천구	35.1	30.6	25.3	27.9	31.6	26.7	24.3	25.2	20.6	27.9	29.8	22.9
		-4.5	-9.8	-7.2	-3.5	-8.4	-10.8	-9.9	-14.5	-7.2	-5.3	-12.2
영등포구	35.3	30.8	25.4	28.1	31.8	26.9	24.6	25.5	20.9	28.1	29.9	23.2
		-4.5	-9.9	-7.2	-3.5	-8.4	-10.7	-9.8	-14.4	-7.2	-5.4	-12.1
용산구	35.0	30.7	25.3	28.2	31.9	27.0	25.0	25.7	21.0	28.0	30.0	23.3
		-4.3	-9.7	-6.8	-3.1	-8.0	-10.0	-9.3	-14.0	-7.0	-5.0	-11.7
은평구	35.2	30.7	25.4	28.2	31.9	27.0	24.9	25.8	21.1	28.0	30.0	23.4
		-4.5	-9.8	-7.0	-3.3	-8.2	-10.3	-9.4	-14.1	-7.2	-5.2	-11.8
종로구	35.5	31.0	25.5	28.4	32.2	27.3	25.2	26.1	21.3	28.3	30.3	23.7
		-4.5	-10.0	-7.1	-3.3	-8.2	-10.3	-9.4	-14.2	-7.2	-5.2	-11.8
중구	35.3	30.9	25.4	28.3	32.1	27.2	25.2	26.0	21.2	28.1	30.2	23.6
		-4.4	-9.9	-7.0	-3.2	-8.1	-10.1	-9.3	-14.1	-7.2	-5.1	-11.7
종량구	35.4	31.3	25.7	28.5	32.4	27.5	25.4	26.5	21.6	28.5	30.5	24.1
		-4.1	-9.7	-6.9	-3.0	-7.9	-10.0	-8.9	-13.8	-6.9	-4.9	-11.3

표 4-82. 서울특별시의 한랭일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.4	29.7	34.7	23.7	23.3	18.2	21.6	12.8	14.0	32.2	23.5	13.4
		-5.7	-0.7	-11.7	-12.1	-17.2	-13.8	-22.6	-21.4	-3.2	-11.9	-22.0
강남구	35.4	29.8	34.8	23.8	23.4	18.2	21.5	12.9	14.0	32.3	23.6	13.4
		-5.6	-0.6	-11.6	-12.0	-17.2	-13.9	-22.5	-21.4	-3.1	-11.8	-22.0
강동구	35.4	30.1	34.9	23.8	23.5	18.5	21.8	13.2	14.1	32.5	23.6	13.7
		-5.3	-0.5	-11.6	-11.9	-16.9	-13.6	-22.2	-21.3	-2.9	-11.8	-21.7
강북구	35.9	30.4	35.3	24.1	23.9	18.7	22.2	13.2	14.5	32.8	24.0	13.9
		-5.5	-0.6	-11.8	-12.0	-17.2	-13.7	-22.7	-21.4	-3.1	-11.9	-22.0
강서구	35.2	28.9	34.5	23.3	23.0	17.9	21.3	12.4	13.5	31.7	23.2	13.0
		-6.3	-0.7	-11.9	-12.2	-17.3	-13.9	-22.8	-21.7	-3.5	-12.0	-22.2
관악구	35.3	29.4	34.4	23.5	23.0	17.9	21.3	12.6	13.7	31.9	23.2	13.1
		-5.9	-0.9	-11.8	-12.3	-17.4	-14.0	-22.7	-21.6	-3.4	-12.1	-22.2
광진구	35.6	30.3	35.2	24.0	23.7	18.5	21.9	13.3	14.3	32.7	23.9	13.8
		-5.3	-0.4	-11.6	-11.9	-17.1	-13.7	-22.3	-21.3	-2.9	-11.7	-21.8
구로구	35.1	28.9	34.0	23.1	22.6	17.7	21.0	12.1	13.4	31.4	22.9	12.7
		-6.2	-1.1	-12.0	-12.5	-17.4	-14.1	-23.0	-21.7	-3.7	-12.2	-22.4
금천구	35.2	28.9	33.9	23.0	22.6	17.6	20.9	12.1	13.2	31.4	22.8	12.6
		-6.3	-1.3	-12.2	-12.6	-17.6	-14.3	-23.1	-22.0	-3.8	-12.4	-22.6
노원구	35.5	30.0	34.8	23.6	23.6	18.5	21.9	13.1	14.2	32.4	23.6	13.6
		-5.5	-0.7	-11.9	-11.9	-17.0	-13.6	-22.4	-21.3	-3.1	-11.9	-21.9
도봉구	35.7	30.2	35.0	23.9	23.8	18.7	22.2	13.1	14.4	32.6	23.8	13.7
		-5.5	-0.7	-11.8	-11.9	-17.0	-13.5	-22.6	-21.3	-3.1	-11.9	-22.0
동대문구	35.7	30.3	35.2	24.1	23.8	18.6	21.9	13.3	14.3	32.7	23.9	13.8
		-5.4	-0.5	-11.6	-11.9	-17.1	-13.8	-22.4	-21.4	-3.0	-11.8	-21.9
동작구	35.5	29.5	34.5	23.6	23.0	18.1	21.4	12.7	13.8	32.0	23.3	13.2
		-6.0	-1.0	-11.9	-12.5	-17.4	-14.1	-22.8	-21.7	-3.5	-12.2	-22.3
마포구	34.9	29.2	34.2	23.5	23.0	18.0	21.4	12.6	13.7	31.7	23.3	13.1
		-5.7	-0.7	-11.4	-11.9	-16.9	-13.5	-22.3	-21.2	-3.2	-11.6	-21.8
서대문구	35.2	29.5	34.6	23.6	23.2	18.1	21.4	12.7	14.0	32.0	23.4	13.4
		-5.7	-0.6	-11.6	-12.0	-17.1	-13.8	-22.5	-21.2	-3.2	-11.8	-21.8
서초구	35.5	29.7	34.7	23.8	23.3	18.2	21.6	13.0	14.0	32.2	23.5	13.5
		-5.8	-0.8	-11.7	-12.2	-17.3	-13.9	-22.5	-21.5	-3.3	-12.0	-22.0
성동구	35.8	30.3	35.2	24.1	23.8	18.6	21.9	13.3	14.4	32.8	23.9	13.8
		-5.5	-0.6	-11.7	-12.0	-17.2	-13.9	-22.5	-21.4	-3.0	-11.9	-22.0
성북구	35.9	30.3	35.2	24.1	23.9	18.7	22.0	13.3	14.5	32.8	24.0	13.9
		-5.6	-0.7	-11.8	-12.0	-17.2	-13.9	-22.6	-21.4	-3.1	-11.9	-22.0
송파구	35.6	30.1	35.0	23.8	23.6	18.3	21.7	13.1	14.1	32.5	23.7	13.6
		-5.5	-0.6	-11.8	-12.0	-17.3	-13.9	-22.5	-21.5	-3.1	-11.9	-22.0
양천구	35.1	28.9	34.3	23.3	22.9	17.8	21.2	12.3	13.5	31.6	23.1	12.9
		-6.2	-0.8	-11.8	-12.2	-17.3	-13.9	-22.8	-21.6	-3.5	-12.0	-22.2
영등포구	35.3	29.3	34.4	23.5	23.0	18.0	21.4	12.5	13.7	31.8	23.2	13.1
		-6.0	-0.9	-11.8	-12.3	-17.3	-13.9	-22.8	-21.6	-3.5	-12.1	-22.2
용산구	35.0	29.5	34.3	23.5	23.1	18.0	21.4	12.7	13.8	31.9	23.3	13.2
		-5.5	-0.7	-11.5	-11.9	-17.0	-13.6	-22.3	-21.2	-3.1	-11.7	-21.8
은평구	35.2	29.4	34.7	23.6	23.2	18.1	21.5	12.7	14.0	32.0	23.4	13.4
		-5.8	-0.5	-11.6	-12.0	-17.1	-13.7	-22.5	-21.2	-3.2	-11.8	-21.8
종로구	35.5	29.7	34.7	23.7	23.4	18.2	21.6	13.0	14.2	32.2	23.6	13.6
		-5.8	-0.8	-11.8	-12.1	-17.3	-13.9	-22.5	-21.3	-3.3	-11.9	-21.9
중구	35.3	29.7	34.6	23.6	23.3	18.2	21.5	12.9	14.0	32.1	23.5	13.4
		-5.6	-0.7	-11.7	-12.0	-17.1	-13.8	-22.4	-21.3	-3.2	-11.8	-21.9
종랑구	35.4	30.2	34.9	23.9	23.6	18.5	21.9	13.3	14.3	32.6	23.7	13.8
		-5.2	-0.5	-11.5	-11.8	-16.9	-13.5	-22.1	-21.1	-2.8	-11.7	-21.6

표 4-83. 서울특별시의 한랭일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.4	33.7	27.1	20.0	16.7	16.1	14.9	9.5	5.5	30.4	18.4	7.5
		-1.7	-8.3	-15.4	-18.7	-19.3	-20.5	-25.9	-29.9	-5.0	-17.0	-27.9
강남구	35.4	33.9	27.3	20.1	16.7	16.2	14.8	9.6	5.5	30.6	18.4	7.6
		-1.5	-8.1	-15.3	-18.7	-19.2	-20.6	-25.8	-29.9	-4.8	-17.0	-27.8
강동구	35.4	33.8	27.3	20.2	17.0	16.4	15.1	9.9	5.8	30.5	18.6	7.8
		-1.6	-8.1	-15.2	-18.4	-19.0	-20.3	-25.5	-29.6	-4.9	-16.8	-27.6
강북구	35.9	34.1	27.7	20.7	17.2	16.4	15.2	9.8	5.9	30.9	19.0	7.8
		-1.8	-8.2	-15.2	-18.7	-19.5	-20.7	-26.1	-30.0	-5.0	-16.9	-28.1
강서구	35.2	33.4	26.5	19.7	16.4	15.6	14.5	9.0	5.1	29.9	18.1	7.1
		-1.8	-8.7	-15.5	-18.8	-19.6	-20.7	-26.2	-30.1	-5.3	-17.1	-28.1
관악구	35.3	33.6	26.6	19.7	16.5	15.8	14.7	9.2	5.2	30.1	18.1	7.2
		-1.7	-8.7	-15.6	-18.8	-19.5	-20.6	-26.1	-30.1	-5.2	-17.2	-28.1
광진구	35.6	34.1	27.5	20.4	17.1	16.5	15.3	9.9	5.8	30.8	18.8	7.8
		-1.5	-8.1	-15.2	-18.5	-19.1	-20.3	-25.7	-29.8	-4.8	-16.8	-27.8
구로구	35.1	33.1	26.1	19.2	16.2	15.4	14.4	8.9	4.9	29.6	17.7	6.9
		-2.0	-9.0	-15.9	-18.9	-19.7	-20.7	-26.2	-30.2	-5.5	-17.4	-28.2
금천구	35.2	33.0	26.0	19.2	16.0	15.3	14.3	8.8	4.9	29.5	17.6	6.8
		-2.2	-9.2	-16.0	-19.2	-19.9	-20.9	-26.4	-30.3	-5.7	-17.6	-28.4
노원구	35.5	33.6	27.3	20.4	17.2	16.2	15.1	9.7	5.8	30.4	18.8	7.7
		-1.9	-8.2	-15.1	-18.3	-19.3	-20.4	-25.8	-29.7	-5.1	-16.7	-27.8
도봉구	35.7	33.7	27.5	20.6	17.2	16.3	15.2	9.8	5.8	30.6	18.9	7.8
		-2.0	-8.2	-15.1	-18.5	-19.4	-20.5	-25.9	-29.9	-5.1	-16.8	-27.9
동대문구	35.7	34.1	27.5	20.5	17.2	16.4	15.2	9.9	5.8	30.8	18.8	7.8
		-1.6	-8.2	-15.2	-18.5	-19.3	-20.5	-25.8	-29.9	-4.9	-16.9	-27.9
동작구	35.5	33.7	26.7	19.8	16.5	15.9	14.6	9.3	5.4	30.2	18.2	7.3
		-1.8	-8.8	-15.7	-19.0	-19.6	-20.9	-26.2	-30.1	-5.3	-17.3	-28.2
마포구	34.9	33.4	26.8	19.7	16.5	15.8	14.6	9.2	5.3	30.1	18.1	7.3
		-1.5	-8.1	-15.2	-18.4	-19.1	-20.3	-25.7	-29.6	-4.8	-16.8	-27.6
서대문구	35.2	33.4	27.1	19.9	16.5	15.9	14.8	9.4	5.4	30.2	18.2	7.4
		-1.8	-8.1	-15.3	-18.7	-19.3	-20.4	-25.8	-29.8	-5.0	-17.0	-27.8
서초구	35.5	33.9	27.2	20.1	16.7	16.2	14.8	9.6	5.5	30.5	18.4	7.6
		-1.6	-8.3	-15.4	-18.8	-19.3	-20.7	-25.9	-30.0	-5.0	-17.1	-27.9
성동구	35.8	34.2	27.6	20.4	17.1	16.5	15.3	9.9	5.8	30.9	18.8	7.8
		-1.6	-8.2	-15.4	-18.7	-19.3	-20.5	-25.9	-30.0	-4.9	-17.0	-28.0
성북구	35.9	34.1	27.6	20.6	17.2	16.3	15.2	9.9	5.8	30.8	18.9	7.8
		-1.8	-8.3	-15.3	-18.7	-19.6	-20.7	-26.0	-30.1	-5.1	-17.0	-28.1
송파구	35.6	33.9	27.4	20.2	16.9	16.3	15.1	9.7	5.7	30.7	18.6	7.7
		-1.7	-8.2	-15.4	-18.7	-19.3	-20.5	-25.9	-29.9	-4.9	-17.0	-27.9
양천구	35.1	33.3	26.3	19.5	16.3	15.5	14.5	9.0	5.0	29.8	17.9	7.0
		-1.8	-8.8	-15.6	-18.8	-19.6	-20.6	-26.1	-30.1	-5.3	-17.2	-28.1
영등포구	35.3	33.4	26.6	19.7	16.5	15.8	14.6	9.1	5.3	30.0	18.1	7.2
		-1.9	-8.7	-15.6	-18.8	-19.5	-20.7	-26.2	-30.0	-5.3	-17.2	-28.1
용산구	35.0	33.5	26.9	19.8	16.5	15.9	14.7	9.4	5.4	30.2	18.2	7.4
		-1.5	-8.1	-15.2	-18.5	-19.1	-20.3	-25.6	-29.6	-4.8	-16.8	-27.6
은평구	35.2	33.4	27.1	20.0	16.6	15.9	14.8	9.4	5.4	30.2	18.3	7.4
		-1.8	-8.1	-15.2	-18.6	-19.3	-20.4	-25.8	-29.8	-5.0	-16.9	-27.8
종로구	35.5	33.6	27.2	20.1	16.7	16.1	14.9	9.6	5.5	30.4	18.4	7.5
		-1.9	-8.3	-15.4	-18.8	-19.4	-20.6	-25.9	-30.0	-5.1	-17.1	-28.0
중구	35.3	33.6	27.1	20.0	16.7	16.1	14.9	9.5	5.5	30.4	18.3	7.5
		-1.7	-8.2	-15.3	-18.6	-19.2	-20.4	-25.8	-29.8	-4.9	-17.0	-27.8
종량구	35.4	33.9	27.4	20.4	17.2	16.3	15.2	9.8	5.8	30.6	18.8	7.8
		-1.5	-8.0	-15.0	-18.2	-19.1	-20.2	-25.6	-29.6	-4.8	-16.6	-27.6



표 4-84. 서울특별시의 한랭일 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.4	28.7	21.8	20.1	19.1	10.8	10.6	5.2	3.0	25.3	19.6	4.1
		-6.7	-13.6	-15.3	-16.3	-24.6	-24.8	-30.2	-32.4	-10.1	-15.8	-31.3
강남구	35.4	28.8	22.0	20.3	19.1	10.8	10.6	5.3	3.0	25.4	19.7	4.2
		-6.6	-13.4	-15.1	-16.3	-24.6	-24.8	-30.1	-32.4	-10.0	-15.7	-31.2
강동구	35.4	29.0	22.1	20.2	19.5	10.9	10.8	5.6	3.3	25.5	19.8	4.4
		-6.4	-13.3	-15.2	-15.9	-24.5	-24.6	-29.8	-32.1	-9.9	-15.6	-31.0
강북구	35.9	29.2	22.4	20.5	19.8	11.0	10.8	5.6	3.2	25.8	20.1	4.4
		-6.7	-13.5	-15.4	-16.1	-24.9	-25.1	-30.3	-32.7	-10.1	-15.8	-31.5
강서구	35.2	28.3	21.4	19.9	18.6	10.5	10.3	4.7	2.7	24.9	19.3	3.7
		-6.9	-13.8	-15.3	-16.6	-24.7	-24.9	-30.5	-32.5	-10.3	-15.9	-31.5
관악구	35.3	28.5	21.6	19.9	18.9	10.7	10.4	4.8	2.7	25.0	19.4	3.8
		-6.8	-13.7	-15.4	-16.4	-24.6	-24.9	-30.5	-32.6	-10.3	-15.9	-31.5
광진구	35.6	29.2	22.3	20.4	19.6	11.0	10.9	5.6	3.3	25.7	20.0	4.4
		-6.4	-13.3	-15.2	-16.0	-24.6	-24.7	-30.0	-32.3	-9.9	-15.6	-31.2
구로구	35.1	28.0	21.1	19.5	18.3	10.4	10.1	4.4	2.5	24.6	18.9	3.5
		-7.1	-14.0	-15.6	-16.8	-24.7	-25.0	-30.7	-32.6	-10.5	-16.2	-31.6
금천구	35.2	28.0	20.9	19.5	18.2	10.3	10.1	4.4	2.5	24.5	18.8	3.4
		-7.2	-14.3	-15.7	-17.0	-24.9	-25.1	-30.8	-32.7	-10.7	-16.4	-31.8
노원구	35.5	28.8	22.0	20.1	19.4	10.9	10.7	5.5	3.2	25.4	19.8	4.4
		-6.7	-13.5	-15.4	-16.1	-24.6	-24.8	-30.0	-32.3	-10.1	-15.7	-31.1
도봉구	35.7	29.0	22.1	20.3	19.6	10.9	10.8	5.5	3.2	25.5	19.9	4.4
		-6.7	-13.6	-15.4	-16.1	-24.8	-24.9	-30.2	-32.5	-10.2	-15.8	-31.3
동대문구	35.7	29.2	22.3	20.5	19.6	11.0	10.7	5.6	3.3	25.7	20.0	4.4
		-6.5	-13.4	-15.2	-16.1	-24.7	-25.0	-30.1	-32.4	-10.0	-15.7	-31.3
동작구	35.5	28.4	21.7	20.0	19.0	10.8	10.5	4.9	2.8	25.1	19.5	3.8
		-7.1	-13.8	-15.5	-16.5	-24.7	-25.0	-30.6	-32.7	-10.4	-16.0	-31.7
마포구	34.9	28.3	21.5	19.8	18.9	10.6	10.4	5.0	2.9	24.9	19.4	3.9
		-6.6	-13.4	-15.1	-16.0	-24.3	-24.5	-29.9	-32.0	-10.0	-15.5	-31.0
서대문구	35.2	28.5	21.7	20.0	19.0	10.7	10.5	5.1	3.0	25.1	19.5	4.1
		-6.7	-13.5	-15.2	-16.2	-24.5	-24.7	-30.1	-32.2	-10.1	-15.7	-31.1
서초구	35.5	28.8	22.0	20.3	19.1	10.8	10.7	5.2	2.9	25.4	19.7	4.1
		-6.7	-13.5	-15.2	-16.4	-24.7	-24.8	-30.3	-32.6	-10.1	-15.8	-31.4
성동구	35.8	29.2	22.3	20.6	19.6	11.0	10.7	5.6	3.2	25.8	20.1	4.4
		-6.6	-13.5	-15.2	-16.2	-24.8	-25.1	-30.2	-32.6	-10.0	-15.7	-31.4
성북구	35.9	29.1	22.3	20.5	19.6	11.0	10.7	5.6	3.2	25.7	20.0	4.4
		-6.8	-13.6	-15.4	-16.3	-24.9	-25.2	-30.3	-32.7	-10.2	-15.9	-31.5
송파구	35.6	29.1	22.2	20.4	19.4	10.9	10.8	5.5	3.2	25.7	19.9	4.4
		-6.5	-13.4	-15.2	-16.2	-24.7	-24.8	-30.1	-32.4	-9.9	-15.7	-31.2
양천구	35.1	28.2	21.4	19.8	18.6	10.5	10.3	4.6	2.6	24.8	19.2	3.6
		-6.9	-13.7	-15.3	-16.5	-24.6	-24.8	-30.5	-32.5	-10.3	-15.9	-31.5
영등포구	35.3	28.3	21.6	19.9	18.9	10.7	10.4	4.8	2.7	24.9	19.4	3.7
		-7.0	-13.7	-15.4	-16.4	-24.6	-24.9	-30.5	-32.6	-10.4	-15.9	-31.6
용산구	35.0	28.4	21.7	20.0	18.9	10.6	10.5	5.1	2.9	25.1	19.5	4.0
		-6.6	-13.3	-15.0	-16.1	-24.4	-24.5	-29.9	-32.1	-9.9	-15.5	-31.0
은평구	35.2	28.6	21.7	20.0	19.0	10.6	10.5	5.1	3.0	25.1	19.5	4.0
		-6.6	-13.5	-15.2	-16.2	-24.6	-24.7	-30.1	-32.2	-10.1	-15.7	-31.2
종로구	35.5	28.7	21.9	20.1	19.1	10.7	10.5	5.3	3.1	25.3	19.6	4.2
		-6.8	-13.6	-15.4	-16.4	-24.8	-25.0	-30.2	-32.4	-10.2	-15.9	-31.3
중구	35.3	28.7	21.9	20.1	19.1	10.7	10.5	5.3	3.0	25.3	19.6	4.1
		-6.6	-13.4	-15.2	-16.2	-24.6	-24.8	-30.0	-32.3	-10.0	-15.7	-31.2
종랑구	35.4	29.0	22.2	20.3	19.6	10.9	10.7	5.6	3.3	25.6	19.9	4.4
		-6.4	-13.2	-15.1	-15.8	-24.5	-24.7	-29.8	-32.1	-9.8	-15.5	-31.0

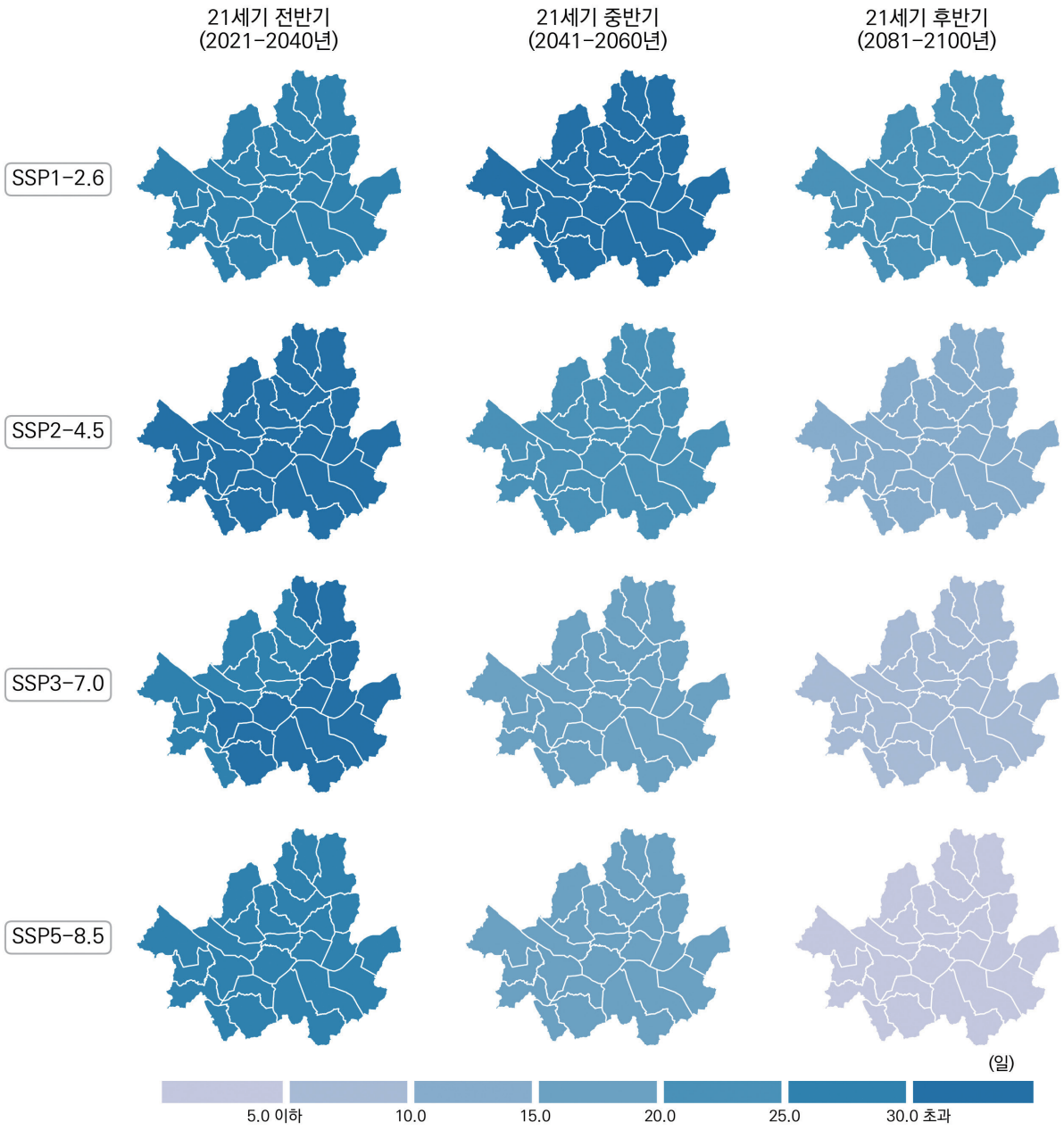


그림 4-31. 서울특별시의 한랭야(일) 전망 분포도

표 4-85. 서울특별시의 한랭야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.5	32.8	25.8	29.0	32.7	26.0	24.7	25.3	20.5	29.3	30.8	22.9
		-2.7	-9.7	-6.5	-2.8	-9.5	-10.8	-10.2	-15.0	-6.2	-4.7	-12.6
강남구	35.5	33.1	26.1	29.4	33.1	26.3	25.0	25.7	20.8	29.6	31.2	23.2
		-2.4	-9.4	-6.1	-2.4	-9.2	-10.5	-9.8	-14.7	-5.9	-4.3	-12.3
강동구	35.1	33.1	26.1	29.1	33.0	25.9	25.5	25.9	20.9	29.6	31.1	23.4
		-2.0	-9.0	-6.0	-2.1	-9.2	-9.6	-9.2	-14.2	-5.5	-4.0	-11.7
강북구	35.2	32.7	25.9	28.8	32.6	25.9	24.9	25.5	20.5	29.3	30.7	23.0
		-2.5	-9.3	-6.4	-2.6	-9.3	-10.3	-9.7	-14.7	-5.9	-4.5	-12.2
강서구	35.5	32.3	25.2	28.6	32.1	25.4	23.9	24.6	20.0	28.8	30.4	22.3
		-3.2	-10.3	-6.9	-3.4	-10.1	-11.6	-10.9	-15.5	-6.7	-5.1	-13.2
관악구	35.5	32.8	25.7	29.1	32.6	26.0	24.4	25.1	20.4	29.2	30.8	22.7
		-2.7	-9.8	-6.4	-2.9	-9.5	-11.1	-10.4	-15.1	-6.3	-4.7	-12.8
광진구	35.3	33.0	26.1	29.2	33.1	26.2	25.3	25.7	20.8	29.6	31.1	23.2
		-2.3	-9.2	-6.1	-2.2	-9.1	-10.0	-9.6	-14.5	-5.7	-4.2	-12.1
구로구	35.5	32.4	25.2	28.7	32.2	25.5	23.8	24.6	20.0	28.8	30.4	22.3
		-3.1	-10.3	-6.8	-3.3	-10.0	-11.7	-10.9	-15.5	-6.7	-5.1	-13.2
금천구	35.6	32.5	25.3	28.9	32.3	25.7	23.9	24.8	20.1	28.9	30.6	22.4
		-3.1	-10.3	-6.7	-3.3	-9.9	-11.7	-10.8	-15.5	-6.7	-5.0	-13.2
노원구	35.1	32.9	26.2	29.1	32.7	26.0	25.3	25.7	20.7	29.5	30.9	23.2
		-2.2	-8.9	-6.0	-2.4	-9.1	-9.8	-9.4	-14.4	-5.6	-4.2	-11.9
도봉구	35.3	33.0	26.2	29.2	32.8	26.2	25.2	25.8	20.9	29.6	31.0	23.3
		-2.3	-9.1	-6.1	-2.5	-9.1	-10.1	-9.5	-14.4	-5.7	-4.3	-12.0
동대문구	35.3	33.0	26.1	29.1	33.0	26.3	25.1	25.7	20.8	29.6	31.0	23.2
		-2.3	-9.2	-6.2	-2.3	-9.0	-10.2	-9.6	-14.5	-5.7	-4.3	-12.1
동작구	35.7	32.9	26.0	29.2	32.8	26.2	24.6	25.4	20.6	29.5	31.0	23.0
		-2.8	-9.7	-6.5	-2.9	-9.5	-11.1	-10.3	-15.1	-6.2	-4.7	-12.7
마포구	35.8	32.4	25.6	28.8	32.5	25.8	24.4	25.2	20.4	29.0	30.7	22.8
		-3.4	-10.2	-7.0	-3.3	-10.0	-11.4	-10.6	-15.4	-6.8	-5.1	-13.0
서대문구	36.1	32.5	25.6	28.8	32.5	25.9	24.6	25.2	20.5	29.0	30.7	22.8
		-3.6	-10.5	-7.3	-3.6	-10.2	-11.5	-10.9	-15.6	-7.1	-5.4	-13.3
서초구	35.7	33.0	26.0	29.4	32.9	26.2	24.8	25.6	20.7	29.5	31.1	23.1
		-2.7	-9.7	-6.3	-2.8	-9.5	-10.9	-10.1	-15.0	-6.2	-4.6	-12.6
성동구	35.5	33.1	26.2	29.3	33.1	26.4	25.2	25.8	20.9	29.7	31.2	23.3
		-2.4	-9.3	-6.2	-2.4	-9.1	-10.3	-9.7	-14.6	-5.8	-4.3	-12.2
성북구	35.1	32.5	25.7	28.7	32.5	25.8	24.6	25.2	20.4	29.1	30.6	22.8
		-2.6	-9.4	-6.4	-2.6	-9.3	-10.5	-9.9	-14.7	-6.0	-4.5	-12.3
송파구	35.3	33.1	26.1	29.3	33.1	26.0	25.3	25.7	20.7	29.6	31.2	23.2
		-2.2	-9.2	-6.0	-2.2	-9.3	-10.0	-9.6	-14.6	-5.7	-4.1	-12.1
양천구	35.4	32.4	25.3	28.7	32.3	25.5	24.0	24.7	20.1	28.8	30.5	22.4
		-3.0	-10.1	-6.7	-3.1	-9.9	-11.4	-10.7	-15.3	-6.6	-4.9	-13.0
영등포구	35.9	33.0	25.9	29.2	32.8	26.4	24.6	25.5	20.6	29.4	31.0	23.0
		-2.9	-10.0	-6.7	-3.1	-9.5	-11.3	-10.4	-15.3	-6.5	-4.9	-12.9
용산구	35.7	32.8	25.9	29.1	32.9	26.1	24.8	25.5	20.7	29.4	31.0	23.1
		-2.9	-9.8	-6.6	-2.8	-9.6	-10.9	-10.2	-15.0	-6.3	-4.7	-12.6
은평구	35.5	32.2	25.4	28.5	32.0	25.6	24.3	24.8	20.2	28.8	30.3	22.5
		-3.3	-10.1	-7.0	-3.5	-9.9	-11.2	-10.7	-15.3	-6.7	-5.2	-13.0
종로구	35.5	32.4	25.6	28.7	32.5	25.8	24.5	25.2	20.4	29.0	30.6	22.8
		-3.1	-9.9	-6.8	-3.0	-9.7	-11.0	-10.3	-15.1	-6.5	-4.9	-12.7
중구	35.1	32.7	25.8	28.9	32.7	25.9	24.6	25.3	20.5	29.2	30.8	22.9
		-2.4	-9.3	-6.2	-2.4	-9.2	-10.5	-9.8	-14.6	-5.9	-4.3	-12.2
종랑구	35.3	33.1	26.2	29.2	33.1	26.2	25.3	25.8	20.9	29.7	31.2	23.4
		-2.2	-9.1	-6.1	-2.2	-9.1	-10.0	-9.5	-14.4	-5.6	-4.1	-11.9

표 4-86. 서울특별시의 한랭야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.5	30.5	35.8	24.4	24.1	16.9	20.8	11.7	14.1	33.2	24.2	12.9
		-5.0	+0.3	-11.1	-11.4	-18.6	-14.7	-23.8	-21.4	-2.3	-11.3	-22.6
강남구	35.5	30.7	36.4	24.8	24.4	17.1	21.3	12.3	14.3	33.6	24.6	13.3
		-4.8	+0.9	-10.7	-11.1	-18.4	-14.2	-23.2	-21.2	-1.9	-10.9	-22.2
강동구	35.1	30.8	36.2	24.5	24.3	17.2	21.3	12.4	14.4	33.5	24.4	13.4
		-4.3	+1.1	-10.6	-10.8	-17.9	-13.8	-22.7	-20.7	-1.6	-10.7	-21.7
강북구	35.2	30.4	35.5	24.2	23.9	16.9	20.7	11.5	14.1	32.9	24.0	12.8
		-4.8	+0.3	-11.0	-11.3	-18.3	-14.5	-23.7	-21.1	-2.3	-11.2	-22.4
강서구	35.5	29.9	35.4	24.1	23.6	16.4	20.0	11.0	13.6	32.6	23.8	12.3
		-5.6	-0.1	-11.4	-11.9	-19.1	-15.5	-24.5	-21.9	-2.9	-11.7	-23.2
관악구	35.5	30.6	35.9	24.5	24.1	16.7	20.6	11.6	14.1	33.2	24.3	12.8
		-4.9	+0.4	-11.0	-11.4	-18.8	-14.9	-23.9	-21.4	-2.3	-11.2	-22.7
광진구	35.3	30.7	36.2	24.6	24.4	17.1	21.3	12.1	14.3	33.4	24.5	13.2
		-4.6	+0.9	-10.7	-10.9	-18.2	-14.0	-23.2	-21.0	-1.9	-10.8	-22.1
구로구	35.5	30.1	35.5	24.1	23.7	16.4	20.0	11.1	13.7	32.8	23.9	12.4
		-5.4	+0.0	-11.4	-11.8	-19.1	-15.5	-24.4	-21.8	-2.7	-11.6	-23.1
금천구	35.6	30.3	35.6	24.2	23.8	16.5	20.1	11.4	13.9	32.9	24.0	12.6
		-5.3	+0.0	-11.4	-11.8	-19.1	-15.5	-24.2	-21.7	-2.7	-11.6	-23.0
노원구	35.1	30.8	35.8	24.2	24.2	17.2	20.9	11.8	14.5	33.3	24.2	13.1
		-4.3	+0.7	-10.9	-10.9	-17.9	-14.2	-23.3	-20.6	-1.8	-10.9	-22.0
도봉구	35.3	30.8	36.0	24.3	24.2	17.3	21.0	11.8	14.5	33.4	24.3	13.2
		-4.5	+0.7	-11.0	-11.1	-18.0	-14.3	-23.5	-20.8	-1.9	-11.0	-22.1
동대문구	35.3	30.6	36.0	24.5	24.3	17.2	21.1	11.8	14.3	33.3	24.4	13.1
		-4.7	+0.7	-10.8	-11.0	-18.1	-14.2	-23.5	-21.0	-2.0	-10.9	-22.2
동작구	35.7	30.7	36.0	24.7	24.3	16.9	20.9	11.8	14.2	33.4	24.5	13.0
		-5.0	+0.3	-11.0	-11.4	-18.8	-14.8	-23.9	-21.5	-2.3	-11.2	-22.7
마포구	35.8	30.4	35.6	24.3	23.8	16.7	20.6	11.4	13.9	33.0	24.0	12.7
		-5.4	-0.2	-11.5	-12.0	-19.1	-15.2	-24.4	-21.9	-2.8	-11.8	-23.1
서대문구	36.1	30.3	35.5	24.2	23.8	16.6	20.6	11.4	14.0	32.9	24.0	12.7
		-5.8	-0.6	-11.9	-12.3	-19.5	-15.5	-24.7	-22.1	-3.2	-12.1	-23.4
서초구	35.7	30.8	36.2	24.7	24.4	17.1	21.2	12.0	14.3	33.5	24.6	13.1
		-4.9	+0.5	-11.0	-11.3	-18.6	-14.5	-23.7	-21.4	-2.2	-11.1	-22.6
성동구	35.5	30.7	36.3	24.7	24.5	17.2	21.3	12.0	14.4	33.5	24.6	13.2
		-4.8	+0.8	-10.8	-11.0	-18.3	-14.2	-23.5	-21.1	-2.0	-10.9	-22.3
성북구	35.1	30.2	35.4	24.1	23.8	16.6	20.6	11.5	13.9	32.8	23.9	12.7
		-4.9	+0.3	-11.0	-11.3	-18.5	-14.5	-23.6	-21.2	-2.3	-11.2	-22.4
송파구	35.3	30.7	36.3	24.7	24.4	17.1	21.3	12.4	14.3	33.5	24.5	13.3
		-4.6	+1.0	-10.6	-10.9	-18.2	-14.0	-22.9	-21.0	-1.8	-10.8	-22.0
양천구	35.4	30.1	35.5	24.1	23.8	16.4	20.1	11.1	13.7	32.8	24.0	12.4
		-5.3	+0.1	-11.3	-11.6	-19.0	-15.3	-24.3	-21.7	-2.6	-11.4	-23.0
영등포구	35.9	30.7	36.1	24.7	24.3	16.9	20.8	11.8	14.1	33.4	24.5	13.0
		-5.2	+0.2	-11.2	-11.6	-19.0	-15.1	-24.1	-21.8	-2.5	-11.4	-22.9
용산구	35.7	30.5	35.9	24.5	24.1	16.9	21.0	11.8	14.2	33.2	24.3	13.0
		-5.2	+0.2	-11.2	-11.6	-18.8	-14.7	-23.9	-21.5	-2.5	-11.4	-22.7
은평구	35.5	30.1	35.2	23.9	23.6	16.5	20.2	11.1	13.7	32.7	23.7	12.4
		-5.4	-0.3	-11.6	-11.9	-19.0	-15.3	-24.4	-21.8	-2.8	-11.8	-23.1
종로구	35.5	30.3	35.4	24.1	23.8	16.5	20.6	11.5	13.9	32.8	23.9	12.7
		-5.2	-0.1	-11.4	-11.7	-19.0	-14.9	-24.0	-21.6	-2.7	-11.6	-22.8
중구	35.1	30.4	35.6	24.2	24.0	16.7	20.8	11.6	14.0	33.0	24.1	12.8
		-4.7	+0.5	-10.9	-11.1	-18.4	-14.3	-23.5	-21.1	-2.1	-11.0	-22.3
종량구	35.3	30.9	36.2	24.4	24.4	17.3	21.2	12.1	14.5	33.5	24.4	13.3
		-4.4	+0.9	-10.9	-10.9	-18.0	-14.1	-23.2	-20.8	-1.8	-10.9	-22.0

표 4-87. 서울특별시의 한랭야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.5	33.5	26.7	21.7	16.4	15.1	13.0	7.7	4.0	30.1	19.0	5.9
		-2.0	-8.8	-13.8	-19.1	-20.4	-22.5	-27.8	-31.5	-5.4	-16.5	-29.6
강남구	35.5	33.8	26.9	21.8	16.8	15.7	13.4	8.0	4.2	30.3	19.3	6.1
		-1.7	-8.6	-13.7	-18.7	-19.8	-22.1	-27.5	-31.3	-5.2	-16.2	-29.4
강동구	35.1	33.5	26.8	21.8	17.1	15.9	13.4	8.1	4.2	30.2	19.4	6.1
		-1.6	-8.3	-13.3	-18.0	-19.2	-21.7	-27.0	-30.9	-4.9	-15.7	-29.0
강북구	35.2	33.3	26.6	21.7	16.7	15.2	13.1	7.8	4.1	30.0	19.2	5.9
		-1.9	-8.6	-13.5	-18.5	-20.0	-22.1	-27.4	-31.1	-5.2	-16.0	-29.3
강서구	35.5	33.1	26.2	21.3	15.4	14.1	12.3	7.1	3.5	29.6	18.4	5.3
		-2.4	-9.3	-14.2	-20.1	-21.4	-23.2	-28.4	-32.0	-5.9	-17.1	-30.2
관악구	35.5	33.5	26.7	21.7	16.0	14.8	12.8	7.4	3.8	30.1	18.8	5.6
		-2.0	-8.8	-13.8	-19.5	-20.7	-22.7	-28.1	-31.7	-5.4	-16.7	-29.9
광진구	35.3	33.7	26.9	21.9	17.0	15.7	13.3	8.0	4.2	30.3	19.4	6.1
		-1.6	-8.4	-13.4	-18.3	-19.6	-22.0	-27.3	-31.1	-5.0	-15.9	-29.2
구로구	35.5	33.1	26.2	21.4	15.5	14.2	12.4	7.2	3.6	29.6	18.4	5.4
		-2.4	-9.3	-14.1	-20.0	-21.3	-23.1	-28.3	-31.9	-5.9	-17.1	-30.1
금천구	35.6	33.3	26.4	21.6	15.6	14.3	12.6	7.2	3.6	29.9	18.6	5.4
		-2.3	-9.2	-14.0	-20.0	-21.3	-23.0	-28.4	-32.0	-5.7	-17.0	-30.2
노원구	35.1	33.5	26.8	21.8	17.0	15.5	13.2	8.0	4.2	30.2	19.4	6.1
		-1.6	-8.3	-13.3	-18.1	-19.6	-21.9	-27.1	-30.9	-4.9	-15.7	-29.0
도봉구	35.3	33.8	26.9	21.8	17.1	15.5	13.3	8.1	4.2	30.3	19.5	6.2
		-1.5	-8.4	-13.5	-18.2	-19.8	-22.0	-27.2	-31.1	-5.0	-15.8	-29.1
동대문구	35.3	33.8	26.8	21.9	17.1	15.5	13.3	8.1	4.2	30.3	19.5	6.1
		-1.5	-8.5	-13.4	-18.2	-19.8	-22.0	-27.2	-31.1	-5.0	-15.8	-29.2
동작구	35.7	33.7	26.8	21.9	16.2	15.1	13.1	7.8	4.0	30.3	19.1	5.9
		-2.0	-8.9	-13.8	-19.5	-20.6	-22.6	-27.9	-31.7	-5.4	-16.6	-29.8
마포구	35.8	33.4	26.6	21.6	15.9	14.7	12.9	7.6	3.9	30.0	18.7	5.7
		-2.4	-9.2	-14.2	-19.9	-21.1	-22.9	-28.2	-31.9	-5.8	-17.1	-30.1
서대문구	36.1	33.4	26.6	21.5	16.1	14.8	12.8	7.6	3.9	30.0	18.8	5.8
		-2.7	-9.5	-14.6	-20.0	-21.3	-23.3	-28.5	-32.2	-6.1	-17.3	-30.3
서초구	35.7	33.8	26.9	21.8	16.6	15.5	13.2	7.9	4.1	30.4	19.2	6.0
		-1.9	-8.8	-13.9	-19.1	-20.2	-22.5	-27.8	-31.6	-5.3	-16.5	-29.7
성동구	35.5	33.9	26.9	22.0	16.9	15.6	13.3	8.1	4.2	30.4	19.5	6.1
		-1.6	-8.6	-13.5	-18.6	-19.9	-22.2	-27.4	-31.3	-5.1	-16.0	-29.4
성북구	35.1	33.2	26.5	21.6	16.4	15.0	13.0	7.7	4.0	29.8	19.0	5.9
		-1.9	-8.6	-13.5	-18.7	-20.1	-22.1	-27.4	-31.1	-5.3	-16.1	-29.2
송파구	35.3	33.7	26.8	21.8	17.0	15.8	13.4	8.0	4.2	30.2	19.4	6.1
		-1.6	-8.5	-13.5	-18.3	-19.5	-21.9	-27.3	-31.1	-5.1	-15.9	-29.2
양천구	35.4	33.2	26.3	21.4	15.5	14.2	12.4	7.2	3.6	29.7	18.5	5.4
		-2.2	-9.1	-14.0	-19.9	-21.2	-23.0	-28.2	-31.8	-5.7	-16.9	-30.0
영등포구	35.9	33.7	26.8	21.9	16.1	14.9	13.0	7.8	4.0	30.3	19.0	5.9
		-2.2	-9.1	-14.0	-19.8	-21.0	-22.9	-28.1	-31.9	-5.6	-16.9	-30.0
용산구	35.7	33.6	26.9	21.8	16.4	15.2	13.1	7.9	4.0	30.2	19.1	6.0
		-2.1	-8.8	-13.9	-19.3	-20.5	-22.6	-27.8	-31.7	-5.5	-16.6	-29.7
은평구	35.5	33.1	26.3	21.4	15.9	14.5	12.5	7.3	3.7	29.7	18.6	5.5
		-2.4	-9.2	-14.1	-19.6	-21.0	-23.0	-28.2	-31.8	-5.8	-16.9	-30.0
종로구	35.5	33.2	26.5	21.5	16.2	14.9	12.8	7.7	3.9	29.8	18.9	5.8
		-2.3	-9.0	-14.0	-19.3	-20.6	-22.7	-27.8	-31.6	-5.7	-16.6	-29.7
중구	35.1	33.4	26.6	21.7	16.5	15.1	12.9	7.8	4.0	30.0	19.1	5.9
		-1.7	-8.5	-13.4	-18.6	-20.0	-22.2	-27.3	-31.1	-5.1	-16.0	-29.2
종랑구	35.3	33.7	27.0	21.9	17.1	15.7	13.5	8.2	4.3	30.4	19.5	6.2
		-1.6	-8.3	-13.4	-18.2	-19.6	-21.8	-27.1	-31.0	-4.9	-15.8	-29.1

표 4-88. 서울특별시의 한랭야 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	35.5	29.2	22.7	19.9	17.8	10.0	9.7	3.7	2.1	25.9	18.8	2.9
		-6.3	-12.8	-15.6	-17.7	-25.5	-25.8	-31.8	-33.4	-9.6	-16.7	-32.6
강남구	35.5	29.5	23.1	20.1	18.1	10.4	9.9	4.0	2.3	26.3	19.1	3.2
		-6.0	-12.4	-15.4	-17.4	-25.1	-25.6	-31.5	-33.2	-9.2	-16.4	-32.3
강동구	35.1	29.3	23.1	19.9	18.0	10.4	10.1	4.2	2.4	26.2	19.0	3.3
		-5.8	-12.0	-15.2	-17.1	-24.7	-25.0	-30.9	-32.7	-8.9	-16.1	-31.8
강북구	35.2	29.2	22.6	19.5	17.8	10.0	9.9	3.8	2.0	25.9	18.7	2.9
		-6.0	-12.6	-15.7	-17.4	-25.2	-25.3	-31.4	-33.2	-9.3	-16.5	-32.3
강서구	35.5	28.5	21.8	19.6	17.3	9.6	9.2	3.2	1.8	25.2	18.4	2.5
		-7.0	-13.7	-15.9	-18.2	-25.9	-26.3	-32.3	-33.7	-10.3	-17.1	-33.0
관악구	35.5	29.1	22.5	19.9	17.7	9.9	9.4	3.5	1.9	25.8	18.8	2.7
		-6.4	-13.0	-15.6	-17.8	-25.6	-26.1	-32.0	-33.6	-9.7	-16.7	-32.8
광진구	35.3	29.5	23.1	20.0	18.0	10.4	10.0	4.1	2.3	26.3	19.0	3.2
		-5.8	-12.2	-15.3	-17.3	-24.9	-25.3	-31.2	-33.0	-9.0	-16.3	-32.1
구로구	35.5	28.6	21.9	19.6	17.3	9.6	9.1	3.1	1.8	25.3	18.4	2.5
		-6.9	-13.6	-15.9	-18.2	-25.9	-26.4	-32.4	-33.7	-10.2	-17.1	-33.0
금천구	35.6	28.8	22.1	19.7	17.3	9.6	9.1	3.2	1.9	25.4	18.5	2.5
		-6.8	-13.5	-15.9	-18.3	-26.0	-26.5	-32.4	-33.7	-10.2	-17.1	-33.1
노원구	35.1	29.4	22.8	19.7	17.9	10.2	10.1	4.0	2.3	26.1	18.8	3.1
		-5.7	-12.3	-15.4	-17.2	-24.9	-25.0	-31.1	-32.8	-9.0	-16.3	-32.0
도봉구	35.3	29.6	22.9	19.8	18.0	10.3	10.2	4.0	2.3	26.3	18.9	3.2
		-5.7	-12.4	-15.5	-17.3	-25.0	-25.1	-31.3	-33.0	-9.0	-16.4	-32.1
동대문구	35.3	29.4	23.1	20.0	18.0	10.3	10.0	3.9	2.2	26.2	19.0	3.1
		-5.9	-12.2	-15.3	-17.3	-25.0	-25.3	-31.4	-33.1	-9.1	-16.3	-32.2
동작구	35.7	29.3	22.8	20.1	18.0	10.1	9.6	3.6	2.0	26.0	19.0	2.8
		-6.4	-12.9	-15.6	-17.7	-25.6	-26.1	-32.1	-33.7	-9.7	-16.7	-32.9
마포구	35.8	29.0	22.3	19.8	17.8	9.9	9.6	3.5	1.9	25.6	18.8	2.7
		-6.8	-13.5	-16.0	-18.0	-25.9	-26.2	-32.3	-33.9	-10.2	-17.0	-33.1
서대문구	36.1	29.0	22.4	19.7	17.8	9.8	9.6	3.5	2.0	25.7	18.8	2.8
		-7.1	-13.7	-16.4	-18.3	-26.3	-26.5	-32.6	-34.1	-10.4	-17.3	-33.3
서초구	35.7	29.4	22.9	20.1	18.0	10.2	9.8	3.8	2.2	26.2	19.1	3.0
		-6.3	-12.8	-15.6	-17.7	-25.5	-25.9	-31.9	-33.5	-9.5	-16.6	-32.7
성동구	35.5	29.6	23.1	20.1	18.1	10.3	10.0	3.9	2.3	26.3	19.1	3.1
		-5.9	-12.4	-15.4	-17.4	-25.2	-25.5	-31.6	-33.2	-9.2	-16.4	-32.4
성북구	35.1	29.0	22.6	19.5	17.8	9.9	9.7	3.7	2.0	25.8	18.6	2.8
		-6.1	-12.5	-15.6	-17.3	-25.2	-25.4	-31.4	-33.1	-9.3	-16.5	-32.3
송파구	35.3	29.4	23.1	20.1	18.0	10.4	10.0	4.1	2.4	26.2	19.0	3.2
		-5.9	-12.2	-15.2	-17.3	-24.9	-25.3	-31.2	-32.9	-9.1	-16.3	-32.1
양천구	35.4	28.7	22.0	19.7	17.4	9.7	9.2	3.2	1.8	25.4	18.5	2.5
		-6.7	-13.4	-15.7	-18.0	-25.7	-26.2	-32.2	-33.6	-10.0	-16.9	-32.9
영등포구	35.9	29.3	22.7	20.2	17.9	10.0	9.7	3.6	2.0	26.0	19.0	2.8
		-6.6	-13.2	-15.7	-18.0	-25.9	-26.2	-32.3	-33.9	-9.9	-16.9	-33.1
용산구	35.7	29.3	22.8	20.0	18.1	10.1	9.7	3.7	2.1	26.0	19.1	2.9
		-6.4	-12.9	-15.7	-17.6	-25.6	-26.0	-32.0	-33.6	-9.7	-16.6	-32.8
은평구	35.5	28.7	21.9	19.6	17.5	9.7	9.5	3.4	1.9	25.3	18.5	2.6
		-6.8	-13.6	-15.9	-18.0	-25.8	-26.0	-32.1	-33.6	-10.2	-17.0	-32.9
종로구	35.5	29.0	22.5	19.6	17.8	9.8	9.6	3.6	2.0	25.7	18.7	2.8
		-6.5	-13.0	-15.9	-17.7	-25.7	-25.9	-31.9	-33.5	-9.8	-16.8	-32.7
중구	35.1	29.2	22.6	19.8	17.8	10.0	9.6	3.7	2.1	25.9	18.8	2.9
		-5.9	-12.5	-15.3	-17.3	-25.1	-25.5	-31.4	-33.0	-9.2	-16.3	-32.2
종량구	35.3	29.5	23.0	20.0	18.1	10.4	10.2	4.2	2.3	26.2	19.0	3.3
		-5.8	-12.3	-15.3	-17.2	-24.9	-25.1	-31.1	-33.0	-9.1	-16.3	-32.0

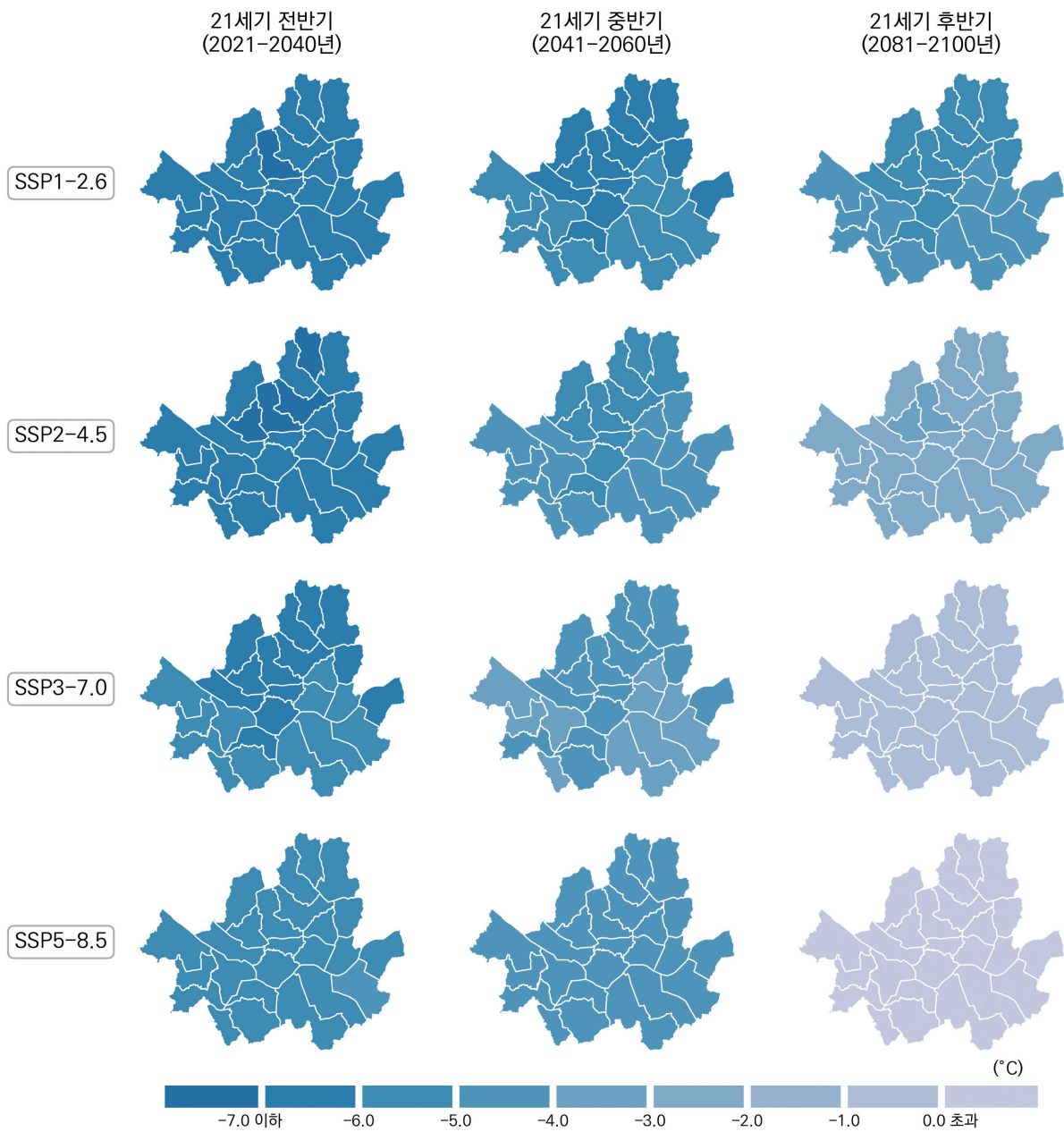


그림 4-32. 서울특별시의 일최고기온 연최소(°C) 전망 분포도

표 4-89. 서울특별시의 일최고기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	-7.3	-6.8	-6.1	-6.0	-6.0	-5.7	-5.7	-4.7	-5.4	-6.5	-6.0	-5.0
		+0.5	+1.2	+1.3	+1.3	+1.6	+1.6	+2.6	+1.9	+0.8	+1.3	+2.3
강남구	-7.0	-6.6	-5.9	-5.8	-5.8	-5.5	-5.5	-4.5	-5.1	-6.3	-5.8	-4.8
		+0.4	+1.1	+1.2	+1.2	+1.5	+1.5	+2.5	+1.9	+0.7	+1.2	+2.2
강동구	-7.0	-6.8	-6.1	-5.9	-6.0	-5.7	-5.6	-4.6	-5.2	-6.5	-6.0	-4.9
		+0.2	+0.9	+1.1	+1.0	+1.3	+1.4	+2.4	+1.8	+0.5	+1.0	+2.1
강북구	-7.5	-7.2	-6.5	-6.4	-6.4	-6.1	-6.0	-5.1	-5.7	-6.8	-6.4	-5.4
		+0.3	+1.0	+1.1	+1.1	+1.4	+1.5	+2.4	+1.8	+0.7	+1.1	+2.1
강서구	-7.1	-6.5	-5.8	-5.8	-5.7	-5.4	-5.5	-4.4	-5.2	-6.1	-5.8	-4.8
		+0.6	+1.3	+1.3	+1.4	+1.7	+1.6	+2.7	+1.9	+1.0	+1.3	+2.3
관악구	-7.3	-6.7	-6.0	-5.9	-5.9	-5.5	-5.7	-4.6	-5.3	-6.3	-5.9	-4.9
		+0.6	+1.3	+1.4	+1.4	+1.8	+1.6	+2.7	+2.0	+1.0	+1.4	+2.4
광진구	-6.9	-6.7	-6.0	-5.9	-5.9	-5.6	-5.5	-4.6	-5.2	-6.3	-5.9	-4.9
		+0.2	+0.9	+1.0	+1.0	+1.3	+1.4	+2.3	+1.7	+0.6	+1.0	+2.0
구로구	-7.4	-6.5	-5.9	-5.8	-5.8	-5.4	-5.6	-4.5	-5.2	-6.2	-5.8	-4.8
		+0.9	+1.5	+1.6	+1.6	+2.0	+1.8	+2.9	+2.2	+1.2	+1.6	+2.6
금천구	-7.1	-6.4	-5.7	-5.7	-5.6	-5.3	-5.4	-4.3	-5.1	-6.0	-5.6	-4.7
		+0.7	+1.4	+1.4	+1.5	+1.8	+1.7	+2.8	+2.0	+1.1	+1.5	+2.4
노원구	-7.4	-7.1	-6.3	-6.3	-6.3	-6.0	-5.9	-4.9	-5.5	-6.7	-6.3	-5.2
		+0.3	+1.1	+1.1	+1.1	+1.4	+1.5	+2.5	+1.9	+0.7	+1.1	+2.2
도봉구	-7.5	-7.2	-6.4	-6.4	-6.4	-6.1	-6.0	-5.0	-5.7	-6.8	-6.4	-5.4
		+0.3	+1.1	+1.1	+1.1	+1.4	+1.5	+2.5	+1.8	+0.7	+1.1	+2.1
동대문구	-7.0	-6.7	-6.0	-5.9	-5.9	-5.6	-5.5	-4.6	-5.2	-6.3	-5.9	-4.9
		+0.3	+1.0	+1.1	+1.1	+1.4	+1.5	+2.4	+1.8	+0.7	+1.1	+2.1
동작구	-7.5	-6.8	-6.1	-6.1	-6.0	-5.7	-5.8	-4.7	-5.4	-6.5	-6.0	-5.1
		+0.7	+1.4	+1.4	+1.5	+1.8	+1.7	+2.8	+2.1	+1.0	+1.5	+2.4
마포구	-7.4	-6.8	-6.1	-6.0	-6.0	-5.7	-5.7	-4.7	-5.4	-6.4	-6.0	-5.0
		+0.6	+1.3	+1.4	+1.4	+1.7	+1.7	+2.7	+2.0	+1.0	+1.4	+2.4
서대문구	-7.9	-7.3	-6.6	-6.5	-6.5	-6.2	-6.2	-5.2	-5.9	-6.9	-6.5	-5.5
		+0.6	+1.3	+1.4	+1.4	+1.7	+1.7	+2.7	+2.0	+1.0	+1.4	+2.4
서초구	-7.2	-6.6	-5.9	-5.8	-5.8	-5.5	-5.6	-4.5	-5.2	-6.3	-5.8	-4.8
		+0.6	+1.3	+1.4	+1.4	+1.7	+1.6	+2.7	+2.0	+0.9	+1.4	+2.4
성동구	-7.0	-6.7	-5.9	-5.8	-5.8	-5.6	-5.5	-4.5	-5.2	-6.3	-5.8	-4.8
		+0.3	+1.1	+1.2	+1.2	+1.4	+1.5	+2.5	+1.8	+0.7	+1.2	+2.2
성북구	-7.6	-7.2	-6.5	-6.4	-6.4	-6.2	-6.1	-5.1	-5.7	-6.8	-6.4	-5.4
		+0.4	+1.1	+1.2	+1.2	+1.4	+1.5	+2.5	+1.9	+0.8	+1.2	+2.2
송파구	-6.8	-6.5	-5.8	-5.6	-5.6	-5.4	-5.4	-4.3	-5.0	-6.1	-5.6	-4.7
		+0.3	+1.0	+1.2	+1.2	+1.4	+1.4	+2.5	+1.8	+0.7	+1.2	+2.1
양천구	-7.2	-6.5	-5.8	-5.8	-5.7	-5.4	-5.5	-4.4	-5.2	-6.2	-5.7	-4.8
		+0.7	+1.4	+1.4	+1.5	+1.8	+1.7	+2.8	+2.0	+1.0	+1.5	+2.4
영등포구	-7.2	-6.5	-5.9	-5.8	-5.7	-5.4	-5.6	-4.5	-5.2	-6.2	-5.8	-4.8
		+0.7	+1.3	+1.4	+1.5	+1.8	+1.6	+2.7	+2.0	+1.0	+1.4	+2.4
용산구	-7.7	-7.1	-6.4	-6.3	-6.3	-6.0	-6.0	-5.0	-5.7	-6.7	-6.3	-5.3
		+0.6	+1.3	+1.4	+1.4	+1.7	+1.7	+2.7	+2.0	+1.0	+1.4	+2.4
은평구	-7.5	-7.0	-6.3	-6.2	-6.2	-5.9	-5.9	-4.9	-5.6	-6.6	-6.2	-5.2
		+0.5	+1.2	+1.3	+1.3	+1.6	+1.6	+2.6	+1.9	+0.9	+1.3	+2.3
종로구	-7.9	-7.4	-6.6	-6.6	-6.6	-6.3	-6.3	-5.3	-5.9	-7.0	-6.6	-5.6
		+0.5	+1.3	+1.3	+1.3	+1.6	+1.6	+2.6	+2.0	+0.9	+1.3	+2.3
중구	-7.3	-6.9	-6.1	-6.1	-6.0	-5.8	-5.8	-4.8	-5.4	-6.5	-6.1	-5.1
		+0.4	+1.2	+1.2	+1.3	+1.5	+1.5	+2.5	+1.9	+0.8	+1.2	+2.2
종랑구	-7.0	-6.8	-6.1	-6.0	-6.0	-5.8	-5.7	-4.7	-5.3	-6.5	-6.0	-5.0
		+0.2	+0.9	+1.0	+1.0	+1.2	+1.3	+2.3	+1.7	+0.5	+1.0	+2.0



표 4-90. 서울특별시의 일최고기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	-7.3	-6.9	-6.2	-5.3	-4.6	-4.0	-4.4	-2.5	-2.6	-6.6	-4.9	-2.6
		+0.4	+1.1	+2.0	+2.7	+3.3	+2.9	+4.8	+4.7	+0.7	+2.4	+4.7
강남구	-7.0	-6.6	-6.0	-5.1	-4.3	-3.7	-4.1	-2.3	-2.4	-6.3	-4.7	-2.3
		+0.4	+1.0	+1.9	+2.7	+3.3	+2.9	+4.7	+4.6	+0.7	+2.3	+4.7
강동구	-7.0	-6.9	-6.2	-5.2	-4.5	-3.8	-4.3	-2.4	-2.6	-6.5	-4.9	-2.5
		+0.1	+0.8	+1.8	+2.5	+3.2	+2.7	+4.6	+4.4	+0.5	+2.1	+4.5
강북구	-7.5	-7.3	-6.6	-5.7	-4.9	-4.3	-4.7	-2.8	-3.0	-6.9	-5.3	-2.9
		+0.2	+0.9	+1.8	+2.6	+3.2	+2.8	+4.7	+4.5	+0.6	+2.2	+4.6
강서구	-7.1	-6.6	-6.0	-5.0	-4.3	-3.8	-4.1	-2.3	-2.4	-6.3	-4.7	-2.3
		+0.5	+1.1	+2.1	+2.8	+3.3	+3.0	+4.8	+4.7	+0.8	+2.4	+4.8
관악구	-7.3	-6.7	-6.0	-5.1	-4.4	-3.9	-4.2	-2.4	-2.5	-6.4	-4.8	-2.4
		+0.6	+1.3	+2.2	+2.9	+3.4	+3.1	+4.9	+4.8	+0.9	+2.5	+4.9
광진구	-6.9	-6.7	-6.1	-5.1	-4.4	-3.7	-4.2	-2.3	-2.4	-6.4	-4.8	-2.4
		+0.2	+0.8	+1.8	+2.5	+3.2	+2.7	+4.6	+4.5	+0.5	+2.1	+4.5
구로구	-7.4	-6.6	-6.0	-5.0	-4.4	-3.8	-4.1	-2.3	-2.4	-6.3	-4.7	-2.4
		+0.8	+1.4	+2.4	+3.0	+3.6	+3.3	+5.1	+5.0	+1.1	+2.7	+5.0
금천구	-7.1	-6.5	-5.8	-4.9	-4.2	-3.7	-4.0	-2.2	-2.3	-6.1	-4.6	-2.2
		+0.6	+1.3	+2.2	+2.9	+3.4	+3.1	+4.9	+4.8	+1.0	+2.5	+4.9
노원구	-7.4	-7.2	-6.5	-5.5	-4.8	-4.2	-4.6	-2.7	-2.9	-6.8	-5.1	-2.8
		+0.2	+0.9	+1.9	+2.6	+3.2	+2.8	+4.7	+4.5	+0.6	+2.3	+4.6
도봉구	-7.5	-7.3	-6.6	-5.7	-4.9	-4.3	-4.7	-2.8	-3.0	-7.0	-5.3	-2.9
		+0.2	+0.9	+1.8	+2.6	+3.2	+2.8	+4.7	+4.5	+0.5	+2.2	+4.6
동대문구	-7.0	-6.7	-6.1	-5.2	-4.4	-3.8	-4.2	-2.3	-2.5	-6.4	-4.8	-2.4
		+0.3	+0.9	+1.8	+2.6	+3.2	+2.8	+4.7	+4.5	+0.6	+2.2	+4.6
동작구	-7.5	-6.9	-6.2	-5.3	-4.6	-4.0	-4.4	-2.6	-2.6	-6.6	-5.0	-2.6
		+0.6	+1.3	+2.2	+2.9	+3.5	+3.1	+4.9	+4.9	+0.9	+2.5	+4.9
마포구	-7.4	-6.9	-6.2	-5.3	-4.6	-4.0	-4.3	-2.5	-2.6	-6.5	-4.9	-2.6
		+0.5	+1.2	+2.1	+2.8	+3.4	+3.1	+4.9	+4.8	+0.9	+2.5	+4.8
서대문구	-7.9	-7.4	-6.7	-5.8	-5.0	-4.5	-4.8	-3.0	-3.1	-7.0	-5.4	-3.1
		+0.5	+1.2	+2.1	+2.9	+3.4	+3.1	+4.9	+4.8	+0.9	+2.5	+4.8
서초구	-7.2	-6.7	-6.0	-5.1	-4.4	-3.8	-4.2	-2.3	-2.4	-6.3	-4.7	-2.4
		+0.5	+1.2	+2.1	+2.8	+3.4	+3.0	+4.9	+4.8	+0.9	+2.5	+4.8
성동구	-7.0	-6.7	-6.0	-5.1	-4.4	-3.8	-4.2	-2.3	-2.4	-6.4	-4.8	-2.4
		+0.3	+1.0	+1.9	+2.6	+3.2	+2.8	+4.7	+4.6	+0.6	+2.2	+4.6
성북구	-7.6	-7.3	-6.6	-5.7	-4.9	-4.3	-4.7	-2.9	-3.0	-7.0	-5.3	-2.9
		+0.3	+1.0	+1.9	+2.7	+3.3	+2.9	+4.7	+4.6	+0.6	+2.3	+4.7
송파구	-6.8	-6.5	-5.8	-4.9	-4.2	-3.6	-4.0	-2.2	-2.3	-6.2	-4.6	-2.2
		+0.3	+1.0	+1.9	+2.6	+3.2	+2.8	+4.6	+4.5	+0.6	+2.2	+4.6
양천구	-7.2	-6.6	-5.9	-5.0	-4.3	-3.8	-4.0	-2.3	-2.4	-6.3	-4.6	-2.3
		+0.6	+1.3	+2.2	+2.9	+3.4	+3.2	+4.9	+4.8	+0.9	+2.6	+4.9
영등포구	-7.2	-6.6	-6.0	-5.0	-4.3	-3.8	-4.1	-2.3	-2.4	-6.3	-4.7	-2.3
		+0.6	+1.2	+2.2	+2.9	+3.4	+3.1	+4.9	+4.8	+0.9	+2.5	+4.9
용산구	-7.7	-7.1	-6.5	-5.6	-4.8	-4.3	-4.6	-2.8	-2.9	-6.8	-5.2	-2.8
		+0.6	+1.2	+2.1	+2.9	+3.4	+3.1	+4.9	+4.8	+0.9	+2.5	+4.9
은평구	-7.5	-7.2	-6.4	-5.5	-4.7	-4.2	-4.5	-2.7	-2.8	-6.8	-5.1	-2.8
		+0.3	+1.1	+2.0	+2.8	+3.3	+3.0	+4.8	+4.7	+0.7	+2.4	+4.7
종로구	-7.9	-7.4	-6.8	-5.9	-5.1	-4.5	-4.9	-3.1	-3.2	-7.1	-5.5	-3.1
		+0.5	+1.1	+2.0	+2.8	+3.4	+3.0	+4.8	+4.7	+0.8	+2.4	+4.8
중구	-7.3	-7.0	-6.3	-5.4	-4.6	-4.0	-4.4	-2.6	-2.7	-6.6	-5.0	-2.6
		+0.3	+1.0	+1.9	+2.7	+3.3	+2.9	+4.7	+4.6	+0.7	+2.3	+4.7
종랑구	-7.0	-7.0	-6.2	-5.3	-4.5	-3.9	-4.4	-2.5	-2.6	-6.6	-4.9	-2.6
		+0.0	+0.8	+1.7	+2.5	+3.1	+2.6	+4.5	+4.4	+0.4	+2.1	+4.4

표 4-91. 서울특별시의 일최고기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	-7.3	-5.9	-6.2	-4.4	-3.8	-2.5	-2.3	-1.0	0.3	-6.1	-4.1	-0.4
		+1.4	+1.1	+2.9	+3.5	+4.8	+5.0	+6.3	+7.6	+1.2	+3.2	+6.9
강남구	-7.0	-5.6	-5.9	-4.1	-3.6	-2.2	-2.0	-0.8	0.5	-5.8	-3.8	-0.1
		+1.4	+1.1	+2.9	+3.4	+4.8	+5.0	+6.2	+7.5	+1.2	+3.2	+6.9
강동구	-7.0	-5.8	-6.1	-4.2	-3.7	-2.4	-2.2	-0.9	0.4	-6.0	-4.0	-0.3
		+1.2	+0.9	+2.8	+3.3	+4.6	+4.8	+6.1	+7.4	+1.0	+3.0	+6.7
강북구	-7.5	-6.3	-6.5	-4.7	-4.2	-2.8	-2.6	-1.3	0.0	-6.4	-4.4	-0.7
		+1.2	+1.0	+2.8	+3.3	+4.7	+4.9	+6.2	+7.5	+1.1	+3.1	+6.8
강서구	-7.1	-5.7	-5.9	-4.1	-3.6	-2.2	-2.0	-0.8	0.6	-5.8	-3.9	-0.1
		+1.4	+1.2	+3.0	+3.5	+4.9	+5.1	+6.3	+7.7	+1.3	+3.2	+7.0
관악구	-7.3	-5.8	-6.0	-4.3	-3.7	-2.4	-2.2	-0.9	0.4	-5.9	-4.0	-0.3
		+1.5	+1.3	+3.0	+3.6	+4.9	+5.1	+6.4	+7.7	+1.4	+3.3	+7.0
광진구	-6.9	-5.7	-6.0	-4.2	-3.7	-2.3	-2.1	-0.9	0.5	-5.9	-3.9	-0.2
		+1.2	+0.9	+2.7	+3.2	+4.6	+4.8	+6.0	+7.4	+1.0	+3.0	+6.7
구로구	-7.4	-5.8	-6.0	-4.2	-3.7	-2.3	-2.1	-0.9	0.5	-5.9	-4.0	-0.2
		+1.6	+1.4	+3.2	+3.7	+5.1	+5.3	+6.5	+7.9	+1.5	+3.4	+7.2
금천구	-7.1	-5.6	-5.8	-4.1	-3.6	-2.2	-2.0	-0.7	0.6	-5.7	-3.8	0.0
		+1.5	+1.3	+3.0	+3.5	+4.9	+5.1	+6.4	+7.7	+1.4	+3.3	+7.1
노원구	-7.4	-6.2	-6.4	-4.5	-4.0	-2.7	-2.5	-1.2	0.1	-6.3	-4.3	-0.6
		+1.2	+1.0	+2.9	+3.4	+4.7	+4.9	+6.2	+7.5	+1.1	+3.1	+6.8
도봉구	-7.5	-6.3	-6.5	-4.6	-4.1	-2.8	-2.6	-1.3	0.0	-6.4	-4.4	-0.6
		+1.2	+1.0	+2.9	+3.4	+4.7	+4.9	+6.2	+7.5	+1.1	+3.1	+6.9
동대문구	-7.0	-5.8	-6.0	-4.2	-3.7	-2.3	-2.1	-0.9	0.5	-5.9	-3.9	-0.2
		+1.2	+1.0	+2.8	+3.3	+4.7	+4.9	+6.1	+7.5	+1.1	+3.1	+6.8
동작구	-7.5	-6.0	-6.2	-4.4	-3.9	-2.5	-2.3	-1.1	0.3	-6.1	-4.2	-0.4
		+1.5	+1.3	+3.1	+3.6	+5.0	+5.2	+6.4	+7.8	+1.4	+3.3	+7.1
마포구	-7.4	-6.0	-6.2	-4.4	-3.9	-2.5	-2.2	-1.0	0.4	-6.1	-4.1	-0.3
		+1.4	+1.2	+3.0	+3.5	+4.9	+5.2	+6.4	+7.8	+1.3	+3.3	+7.1
서대문구	-7.9	-6.5	-6.7	-4.9	-4.3	-2.9	-2.7	-1.5	-0.1	-6.6	-4.6	-0.8
		+1.4	+1.2	+3.0	+3.6	+5.0	+5.2	+6.4	+7.8	+1.3	+3.3	+7.1
서초구	-7.2	-5.7	-6.0	-4.1	-3.7	-2.3	-2.1	-0.9	0.5	-5.8	-3.9	-0.2
		+1.5	+1.2	+3.1	+3.5	+4.9	+5.1	+6.3	+7.7	+1.4	+3.3	+7.0
성동구	-7.0	-5.7	-6.0	-4.2	-3.6	-2.3	-2.1	-0.9	0.5	-5.9	-3.9	-0.2
		+1.3	+1.0	+2.8	+3.4	+4.7	+4.9	+6.1	+7.5	+1.1	+3.1	+6.8
성북구	-7.6	-6.3	-6.6	-4.7	-4.2	-2.8	-2.6	-1.4	-0.1	-6.4	-4.4	-0.7
		+1.3	+1.0	+2.9	+3.4	+4.8	+5.0	+6.2	+7.5	+1.2	+3.2	+6.9
송파구	-6.8	-5.5	-5.8	-3.9	-3.4	-2.1	-1.9	-0.7	0.7	-5.7	-3.7	0.0
		+1.3	+1.0	+2.9	+3.4	+4.7	+4.9	+6.1	+7.5	+1.1	+3.1	+6.8
양천구	-7.2	-5.7	-5.9	-4.1	-3.6	-2.2	-2.0	-0.8	0.6	-5.8	-3.9	-0.1
		+1.5	+1.3	+3.1	+3.6	+5.0	+5.2	+6.4	+7.8	+1.4	+3.3	+7.1
영등포구	-7.2	-5.7	-5.9	-4.1	-3.6	-2.2	-2.0	-0.8	0.6	-5.8	-3.9	-0.1
		+1.5	+1.3	+3.1	+3.6	+5.0	+5.2	+6.4	+7.8	+1.4	+3.3	+7.1
용산구	-7.7	-6.2	-6.4	-4.6	-4.1	-2.7	-2.5	-1.3	0.1	-6.3	-4.4	-0.6
		+1.5	+1.3	+3.1	+3.6	+5.0	+5.2	+6.4	+7.8	+1.4	+3.3	+7.1
은평구	-7.5	-6.2	-6.4	-4.6	-4.0	-2.7	-2.4	-1.2	0.1	-6.3	-4.3	-0.5
		+1.3	+1.1	+2.9	+3.5	+4.8	+5.1	+6.3	+7.6	+1.2	+3.2	+7.0
종로구	-7.9	-6.5	-6.7	-4.9	-4.4	-3.0	-2.8	-1.6	-0.2	-6.6	-4.6	-0.9
		+1.4	+1.2	+3.0	+3.5	+4.9	+5.1	+6.3	+7.7	+1.3	+3.3	+7.0
중구	-7.3	-6.0	-6.2	-4.4	-3.9	-2.5	-2.3	-1.1	0.3	-6.1	-4.1	-0.4
		+1.3	+1.1	+2.9	+3.4	+4.8	+5.0	+6.2	+7.6	+1.2	+3.2	+6.9
종량구	-7.0	-5.9	-6.2	-4.3	-3.8	-2.4	-2.3	-1.0	0.3	-6.1	-4.1	-0.3
		+1.1	+0.8	+2.7	+3.2	+4.6	+4.7	+6.0	+7.3	+0.9	+2.9	+6.7

표 4-92. 서울특별시의 일최고기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	-7.3	-5.2	-5.3	-4.4	-4.3	-2.6	-1.8	0.2	1.1	-5.3	-4.4	0.6
		+2.1	+2.0	+2.9	+3.0	+4.7	+5.5	+7.5	+8.4	+2.0	+2.9	+7.9
강남구	-7.0	-5.0	-5.0	-4.2	-4.1	-2.4	-1.6	0.4	1.3	-5.0	-4.1	0.8
		+2.0	+2.0	+2.8	+2.9	+4.6	+5.4	+7.4	+8.3	+2.0	+2.9	+7.8
강동구	-7.0	-5.2	-5.2	-4.4	-4.2	-2.5	-1.8	0.2	1.1	-5.2	-4.3	0.7
		+1.8	+1.8	+2.6	+2.8	+4.5	+5.2	+7.2	+8.1	+1.8	+2.7	+7.7
강북구	-7.5	-5.6	-5.6	-4.8	-4.7	-2.9	-2.2	-0.2	0.8	-5.6	-4.7	0.3
		+1.9	+1.9	+2.7	+2.8	+4.6	+5.3	+7.3	+8.3	+1.9	+2.8	+7.8
강서구	-7.1	-5.0	-5.0	-4.2	-4.1	-2.3	-1.6	0.5	1.3	-5.0	-4.1	0.9
		+2.1	+2.1	+2.9	+3.0	+4.8	+5.5	+7.6	+8.4	+2.1	+3.0	+8.0
관악구	-7.3	-5.2	-5.2	-4.3	-4.2	-2.5	-1.7	0.3	1.2	-5.2	-4.2	0.7
		+2.1	+2.1	+3.0	+3.1	+4.8	+5.6	+7.6	+8.5	+2.1	+3.1	+8.0
광진구	-6.9	-5.1	-5.1	-4.3	-4.1	-2.4	-1.7	0.3	1.2	-5.1	-4.2	0.8
		+1.8	+1.8	+2.6	+2.8	+4.5	+5.2	+7.2	+8.1	+1.8	+2.7	+7.7
구로구	-7.4	-5.1	-5.1	-4.2	-4.1	-2.4	-1.7	0.4	1.3	-5.1	-4.2	0.8
		+2.3	+2.3	+3.2	+3.3	+5.0	+5.7	+7.8	+8.7	+2.3	+3.2	+8.2
금천구	-7.1	-5.0	-4.9	-4.1	-3.9	-2.2	-1.5	0.5	1.4	-5.0	-4.0	1.0
		+2.1	+2.2	+3.0	+3.2	+4.9	+5.6	+7.6	+8.5	+2.1	+3.1	+8.1
노원구	-7.4	-5.5	-5.5	-4.6	-4.6	-2.8	-2.0	-0.1	0.9	-5.5	-4.6	0.4
		+1.9	+1.9	+2.8	+2.8	+4.6	+5.4	+7.3	+8.3	+1.9	+2.8	+7.8
도봉구	-7.5	-5.5	-5.6	-4.7	-4.7	-2.9	-2.1	-0.1	0.8	-5.6	-4.7	0.3
		+2.0	+1.9	+2.8	+2.8	+4.6	+5.4	+7.4	+8.3	+1.9	+2.8	+7.8
동대문구	-7.0	-5.1	-5.1	-4.3	-4.2	-2.4	-1.7	0.3	1.2	-5.1	-4.2	0.8
		+1.9	+1.9	+2.7	+2.8	+4.6	+5.3	+7.3	+8.2	+1.9	+2.8	+7.8
동작구	-7.5	-5.3	-5.3	-4.5	-4.3	-2.6	-1.9	0.1	1.0	-5.3	-4.4	0.6
		+2.2	+2.2	+3.0	+3.2	+4.9	+5.6	+7.6	+8.5	+2.2	+3.1	+8.1
마포구	-7.4	-5.2	-5.3	-4.5	-4.3	-2.6	-1.8	0.2	1.1	-5.3	-4.4	0.6
		+2.2	+2.1	+2.9	+3.1	+4.8	+5.6	+7.6	+8.5	+2.1	+3.0	+8.0
서대문구	-7.9	-5.7	-5.8	-5.0	-4.8	-3.1	-2.3	-0.3	0.6	-5.7	-4.9	0.1
		+2.2	+2.1	+2.9	+3.1	+4.8	+5.6	+7.6	+8.5	+2.2	+3.0	+8.0
서초구	-7.2	-5.1	-5.1	-4.3	-4.1	-2.4	-1.7	0.4	1.3	-5.1	-4.2	0.8
		+2.1	+2.1	+2.9	+3.1	+4.8	+5.5	+7.6	+8.5	+2.1	+3.0	+8.0
성동구	-7.0	-5.1	-5.1	-4.3	-4.1	-2.4	-1.7	0.4	1.2	-5.1	-4.2	0.8
		+1.9	+1.9	+2.7	+2.9	+4.6	+5.3	+7.4	+8.2	+1.9	+2.8	+7.8
성북구	-7.6	-5.6	-5.7	-4.8	-4.7	-3.0	-2.2	-0.2	0.7	-5.6	-4.7	0.3
		+2.0	+1.9	+2.8	+2.9	+4.6	+5.4	+7.4	+8.3	+2.0	+2.9	+7.9
송파구	-6.8	-4.9	-4.9	-4.1	-3.9	-2.2	-1.5	0.5	1.4	-4.9	-4.0	0.9
		+1.9	+1.9	+2.7	+2.9	+4.6	+5.3	+7.3	+8.2	+1.9	+2.8	+7.7
양천구	-7.2	-5.0	-5.0	-4.2	-4.1	-2.4	-1.6	0.5	1.3	-5.0	-4.1	0.9
		+2.2	+2.2	+3.0	+3.1	+4.8	+5.6	+7.7	+8.5	+2.2	+3.1	+8.1
영등포구	-7.2	-5.0	-5.1	-4.2	-4.1	-2.4	-1.6	0.4	1.3	-5.1	-4.1	0.9
		+2.2	+2.1	+3.0	+3.1	+4.8	+5.6	+7.6	+8.5	+2.1	+3.1	+8.1
용산구	-7.7	-5.5	-5.6	-4.7	-4.6	-2.9	-2.1	-0.1	0.8	-5.5	-4.6	0.3
		+2.2	+2.1	+3.0	+3.1	+4.8	+5.6	+7.6	+8.5	+2.2	+3.1	+8.0
은평구	-7.5	-5.4	-5.5	-4.7	-4.5	-2.8	-2.0	0.0	0.9	-5.4	-4.6	0.5
		+2.1	+2.0	+2.8	+3.0	+4.7	+5.5	+7.5	+8.4	+2.1	+2.9	+8.0
종로구	-7.9	-5.8	-5.8	-5.0	-4.9	-3.2	-2.4	-0.4	0.5	-5.8	-4.9	0.1
		+2.1	+2.1	+2.9	+3.0	+4.7	+5.5	+7.5	+8.4	+2.1	+3.0	+8.0
중구	-7.3	-5.3	-5.3	-4.5	-4.4	-2.7	-1.9	0.1	1.0	-5.3	-4.4	0.6
		+2.0	+2.0	+2.8	+2.9	+4.6	+5.4	+7.4	+8.3	+2.0	+2.9	+7.9
종랑구	-7.0	-5.2	-5.3	-4.4	-4.3	-2.6	-1.8	0.2	1.1	-5.2	-4.3	0.6
		+1.8	+1.7	+2.6	+2.7	+4.4	+5.2	+7.2	+8.1	+1.8	+2.7	+7.6

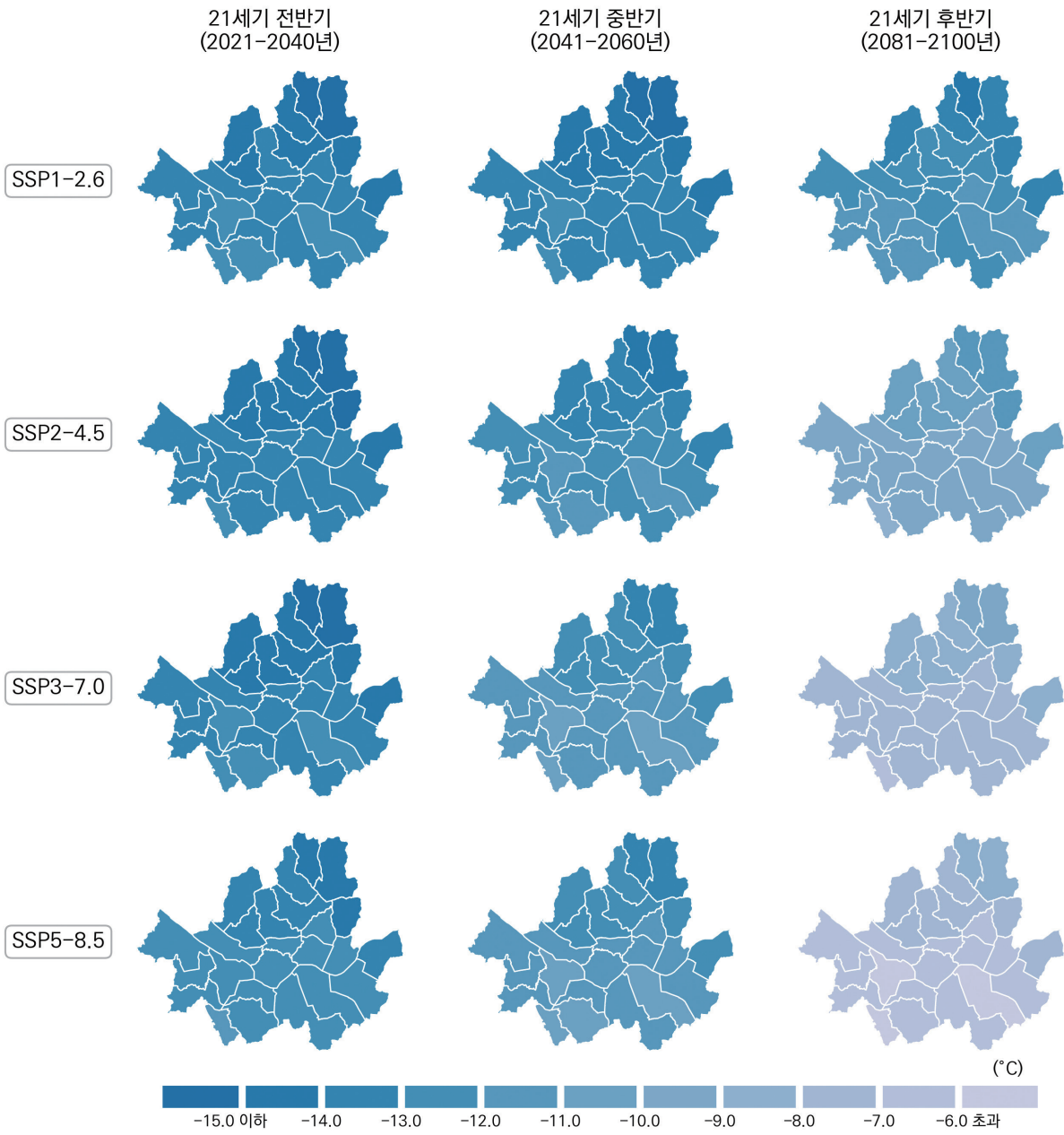


그림 4-33. 서울특별시의 일최저기온 연최소(°C) 전망 분포도

표 4-93. 서울특별시의 일최저기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	-14.2	-13.9 +0.3	-13.1 +1.1	-13.4 +0.8	-14.0 +0.2	-13.2 +1.0	-13.3 +0.9	-12.2 +2.0	-12.6 +1.6	-13.5 +0.7	-13.7 +0.5	-12.4 +1.8
강남구	-13.4	-13.2 +0.2	-12.4 +1.0	-12.7 +0.7	-13.2 +0.2	-12.5 +0.9	-12.5 +0.9	-11.5 +1.9	-11.9 +1.5	-12.8 +0.6	-13.0 +0.4	-11.7 +1.7
강동구	-14.5	-14.6 -0.1	-13.8 +0.7	-14.0 +0.5	-14.7 -0.2	-13.9 +0.6	-13.8 +0.7	-12.8 +1.7	-13.2 +1.3	-14.2 +0.3	-14.4 +0.1	-13.0 +1.5
강북구	-14.9	-14.7 +0.2	-13.9 +1.0	-14.1 +0.8	-14.8 +0.1	-13.9 +1.0	-14.0 +0.9	-12.9 +2.0	-13.3 +1.6	-14.3 +0.6	-14.5 +0.4	-13.1 +1.8
강서구	-13.7	-13.6 +0.1	-12.9 +0.8	-13.2 +0.5	-13.6 +0.1	-12.8 +0.9	-13.0 +0.7	-11.9 +1.8	-12.3 +1.4	-13.2 +0.5	-13.4 +0.3	-12.1 +1.6
관악구	-13.6	-13.2 +0.4	-12.5 +1.1	-12.8 +0.8	-13.2 +0.4	-12.5 +1.1	-12.6 +1.0	-11.5 +2.1	-11.9 +1.7	-12.9 +0.7	-13.0 +0.6	-11.7 +1.9
광진구	-13.7	-13.6 +0.1	-12.7 +1.0	-13.1 +0.6	-13.7 +0.0	-12.9 +0.8	-12.8 +0.9	-11.9 +1.8	-12.2 +1.5	-13.1 +0.6	-13.4 +0.3	-12.0 +1.7
구로구	-13.8	-13.4 +0.4	-12.7 +1.1	-13.0 +0.8	-13.4 +0.4	-12.7 +1.1	-12.8 +1.0	-11.7 +2.1	-12.1 +1.7	-13.1 +0.7	-13.2 +0.6	-11.9 +1.9
금천구	-13.3	-12.8 +0.5	-12.1 +1.2	-12.4 +0.9	-12.7 +0.6	-12.1 +1.2	-12.2 +1.1	-11.1 +2.2	-11.6 +1.7	-12.4 +0.9	-12.6 +0.7	-11.3 +2.0
노원구	-15.5	-15.5 +0.0	-14.7 +0.8	-14.9 +0.6	-15.6 -0.1	-14.8 +0.7	-14.8 +0.7	-13.8 +1.7	-14.1 +1.4	-15.1 +0.4	-15.3 +0.2	-13.9 +1.6
도봉구	-15.6	-15.5 +0.1	-14.8 +0.8	-15.0 +0.6	-15.6 +0.0	-14.7 +0.9	-14.8 +0.8	-13.8 +1.8	-14.1 +1.5	-15.1 +0.5	-15.3 +0.3	-14.0 +1.6
동대문구	-14.0	-13.9 +0.1	-13.1 +0.9	-13.4 +0.6	-14.0 +0.0	-13.2 +0.8	-13.2 +0.8	-12.2 +1.8	-12.5 +1.5	-13.5 +0.5	-13.7 +0.3	-12.4 +1.6
동작구	-13.8	-13.4 +0.4	-12.7 +1.1	-13.0 +0.8	-13.4 +0.4	-12.7 +1.1	-12.7 +1.1	-11.7 +2.1	-12.1 +1.7	-13.0 +0.8	-13.2 +0.6	-11.9 +1.9
마포구	-14.1	-13.7 +0.4	-12.9 +1.2	-13.2 +0.9	-13.7 +0.4	-12.9 +1.2	-13.1 +1.0	-11.9 +2.2	-12.4 +1.7	-13.3 +0.8	-13.5 +0.6	-12.2 +1.9
서대문구	-15.0	-14.5 +0.5	-13.7 +1.3	-14.0 +1.0	-14.5 +0.5	-13.7 +1.3	-13.8 +1.2	-12.7 +2.3	-13.2 +1.8	-14.1 +0.9	-14.3 +0.7	-12.9 +2.1
서초구	-13.6	-13.5 +0.1	-12.7 +0.9	-13.1 +0.5	-13.6 +0.0	-12.8 +0.8	-12.8 +0.8	-11.8 +1.8	-12.2 +1.4	-13.1 +0.5	-13.3 +0.3	-12.0 +1.6
성동구	-13.6	-13.4 +0.2	-12.6 +1.0	-12.9 +0.7	-13.5 +0.1	-12.7 +0.9	-12.7 +0.9	-11.7 +1.9	-12.1 +1.5	-13.0 +0.6	-13.2 +0.4	-11.9 +1.7
성북구	-14.7	-14.4 +0.3	-13.6 +1.1	-13.9 +0.8	-14.5 +0.2	-13.7 +1.0	-13.7 +1.0	-12.7 +2.0	-13.0 +1.7	-14.0 +0.7	-14.2 +0.5	-12.9 +1.8
송파구	-13.6	-13.5 +0.1	-12.6 +1.0	-13.0 +0.6	-13.6 +0.0	-12.8 +0.8	-12.7 +0.9	-11.8 +1.8	-12.1 +1.5	-13.1 +0.5	-13.3 +0.3	-11.9 +1.7
양천구	-13.7	-13.4 +0.3	-12.7 +1.0	-13.0 +0.7	-13.4 +0.3	-12.6 +1.1	-12.8 +0.9	-11.6 +2.1	-12.1 +1.6	-13.0 +0.7	-13.2 +0.5	-11.9 +1.8
영등포구	-13.4	-12.9 +0.5	-12.2 +1.2	-12.5 +0.9	-12.9 +0.5	-12.2 +1.2	-12.3 +1.1	-11.2 +2.2	-11.7 +1.7	-12.6 +0.8	-12.7 +0.7	-11.4 +2.0
용산구	-14.2	-13.7 +0.5	-13.0 +1.2	-13.3 +0.9	-13.8 +0.4	-13.0 +1.2	-13.1 +1.1	-12.0 +2.2	-12.4 +1.8	-13.3 +0.9	-13.5 +0.7	-12.2 +2.0
은평구	-15.0	-14.8 +0.2	-14.0 +1.0	-14.3 +0.7	-14.8 +0.2	-14.0 +1.0	-14.1 +0.9	-13.1 +1.9	-13.4 +1.6	-14.4 +0.6	-14.6 +0.4	-13.2 +1.8
종로구	-14.9	-14.3 +0.6	-13.5 +1.4	-13.9 +1.0	-14.4 +0.5	-13.6 +1.3	-13.7 +1.2	-12.6 +2.3	-13.0 +1.9	-13.9 +1.0	-14.1 +0.8	-12.8 +2.1
중구	-14.1	-13.8 +0.3	-13.1 +1.0	-13.4 +0.7	-13.9 +0.2	-13.1 +1.0	-13.1 +1.0	-12.1 +2.0	-12.5 +1.6	-13.4 +0.7	-13.6 +0.5	-12.3 +1.8
중랑구	-15.0	-15.0 +0.0	-14.2 +0.8	-14.5 +0.5	-15.1 -0.1	-14.3 +0.7	-14.2 +0.8	-13.3 +1.7	-13.6 +1.4	-14.6 +0.4	-14.8 +0.2	-13.5 +1.5

표 4-94. 서울특별시의 일최저기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	-14.2	-14.3	-13.8	-12.7	-12.5	-11.5	-11.6	-9.9	-9.9	-14.0	-12.6	-9.9
		-0.1	+0.4	+1.5	+1.7	+2.7	+2.6	+4.3	+4.3	+0.2	+1.6	+4.3
강남구	-13.4	-13.5	-13.0	-12.0	-11.7	-10.7	-10.9	-9.3	-9.2	-13.3	-11.9	-9.2
		-0.1	+0.4	+1.4	+1.7	+2.7	+2.5	+4.1	+4.2	+0.1	+1.5	+4.2
강동구	-14.5	-14.9	-14.4	-13.4	-13.0	-12.0	-12.1	-10.6	-10.5	-14.6	-13.2	-10.5
		-0.4	+0.1	+1.1	+1.5	+2.5	+2.4	+3.9	+4.0	-0.1	+1.3	+4.0
강북구	-14.9	-15.0	-14.6	-13.4	-13.2	-12.1	-12.3	-10.6	-10.6	-14.8	-13.3	-10.6
		-0.1	+0.3	+1.5	+1.7	+2.8	+2.6	+4.3	+4.3	+0.1	+1.6	+4.3
강서구	-13.7	-14.0	-13.6	-12.4	-12.3	-11.3	-11.3	-9.6	-9.6	-13.8	-12.3	-9.6
		-0.3	+0.1	+1.3	+1.4	+2.4	+2.4	+4.1	+4.1	-0.1	+1.4	+4.1
관악구	-13.6	-13.6	-13.1	-12.1	-11.8	-10.9	-11.0	-9.3	-9.3	-13.4	-11.9	-9.3
		+0.0	+0.5	+1.5	+1.8	+2.7	+2.6	+4.3	+4.3	+0.2	+1.7	+4.3
광진구	-13.7	-13.9	-13.4	-12.4	-12.0	-11.1	-11.2	-9.6	-9.5	-13.6	-12.2	-9.6
		-0.2	+0.3	+1.3	+1.7	+2.6	+2.5	+4.1	+4.2	+0.1	+1.5	+4.1
구로구	-13.8	-13.8	-13.4	-12.3	-12.1	-11.1	-11.2	-9.5	-9.5	-13.6	-12.2	-9.5
		+0.0	+0.4	+1.5	+1.7	+2.7	+2.6	+4.3	+4.3	+0.2	+1.6	+4.3
금천구	-13.3	-13.2	-12.7	-11.7	-11.4	-10.5	-10.6	-8.9	-8.9	-12.9	-11.5	-8.9
		+0.1	+0.6	+1.6	+1.9	+2.8	+2.7	+4.4	+4.4	+0.4	+1.8	+4.4
노원구	-15.5	-15.8	-15.4	-14.3	-13.9	-12.9	-13.0	-11.4	-11.4	-15.6	-14.1	-11.4
		-0.3	+0.1	+1.2	+1.6	+2.6	+2.5	+4.1	+4.1	-0.1	+1.4	+4.1
도봉구	-15.6	-15.8	-15.4	-14.3	-13.9	-12.9	-13.1	-11.5	-11.4	-15.6	-14.1	-11.4
		-0.2	+0.2	+1.3	+1.7	+2.7	+2.5	+4.1	+4.2	+0.0	+1.5	+4.2
동대문구	-14.0	-14.2	-13.7	-12.7	-12.4	-11.4	-11.5	-9.9	-9.9	-14.0	-12.5	-9.9
		-0.2	+0.3	+1.3	+1.6	+2.6	+2.5	+4.1	+4.1	+0.0	+1.5	+4.1
동작구	-13.8	-13.8	-13.3	-12.2	-12.0	-11.0	-11.1	-9.4	-9.5	-13.5	-12.1	-9.4
		+0.0	+0.5	+1.6	+1.8	+2.8	+2.7	+4.4	+4.3	+0.3	+1.7	+4.4
마포구	-14.1	-14.0	-13.6	-12.5	-12.3	-11.3	-11.4	-9.7	-9.7	-13.8	-12.4	-9.7
		+0.1	+0.5	+1.6	+1.8	+2.8	+2.7	+4.4	+4.4	+0.3	+1.7	+4.4
서대문구	-15.0	-14.8	-14.4	-13.3	-13.1	-12.1	-12.2	-10.5	-10.5	-14.6	-13.2	-10.5
		+0.2	+0.6	+1.7	+1.9	+2.9	+2.8	+4.5	+4.5	+0.4	+1.8	+4.5
서초구	-13.6	-13.9	-13.3	-12.4	-12.0	-11.1	-11.2	-9.6	-9.6	-13.6	-12.2	-9.6
		-0.3	+0.3	+1.2	+1.6	+2.5	+2.4	+4.0	+4.0	+0.0	+1.4	+4.0
성동구	-13.6	-13.8	-13.3	-12.3	-11.9	-11.0	-11.1	-9.5	-9.4	-13.5	-12.1	-9.5
		-0.2	+0.3	+1.3	+1.7	+2.6	+2.5	+4.1	+4.2	+0.1	+1.5	+4.1
성북구	-14.7	-14.7	-14.2	-13.2	-12.9	-11.9	-12.0	-10.4	-10.4	-14.5	-13.0	-10.4
		+0.0	+0.5	+1.5	+1.8	+2.8	+2.7	+4.3	+4.3	+0.2	+1.7	+4.3
송파구	-13.6	-13.8	-13.3	-12.3	-11.9	-11.0	-11.1	-9.5	-9.5	-13.5	-12.1	-9.5
		-0.2	+0.3	+1.3	+1.7	+2.6	+2.5	+4.1	+4.1	+0.1	+1.5	+4.1
양천구	-13.7	-13.7	-13.3	-12.2	-12.0	-11.1	-11.1	-9.4	-9.4	-13.5	-12.1	-9.4
		+0.0	+0.4	+1.5	+1.7	+2.6	+2.6	+4.3	+4.3	+0.2	+1.6	+4.3
영등포구	-13.4	-13.3	-12.9	-11.8	-11.6	-10.6	-10.7	-9.0	-9.0	-13.1	-11.7	-9.0
		+0.1	+0.5	+1.6	+1.8	+2.8	+2.7	+4.4	+4.4	+0.3	+1.7	+4.4
용산구	-14.2	-14.1	-13.6	-12.6	-12.3	-11.4	-11.4	-9.7	-9.8	-13.8	-12.4	-9.8
		+0.1	+0.6	+1.6	+1.9	+2.8	+2.8	+4.5	+4.4	+0.4	+1.8	+4.4
은평구	-15.0	-15.1	-14.7	-13.6	-13.4	-12.4	-12.5	-10.8	-10.8	-14.9	-13.5	-10.8
		-0.1	+0.3	+1.4	+1.6	+2.6	+2.5	+4.2	+4.2	+0.1	+1.5	+4.2
종로구	-14.9	-14.7	-14.2	-13.2	-12.9	-12.0	-12.0	-10.3	-10.4	-14.4	-13.0	-10.4
		+0.2	+0.7	+1.7	+2.0	+2.9	+2.9	+4.6	+4.5	+0.5	+1.9	+4.5
중구	-14.1	-14.2	-13.7	-12.7	-12.4	-11.4	-11.5	-9.8	-9.9	-13.9	-12.5	-9.9
		-0.1	+0.4	+1.4	+1.7	+2.7	+2.6	+4.3	+4.2	+0.2	+1.6	+4.2
종량구	-15.0	-15.3	-14.9	-13.8	-13.4	-12.4	-12.6	-11.0	-10.9	-15.1	-13.6	-11.0
		-0.3	+0.1	+1.2	+1.6	+2.6	+2.4	+4.0	+4.1	-0.1	+1.4	+4.0

표 4-95. 서울특별시의 일최저기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	-14.2	-13.2 +1.0	-13.8 +0.4	-11.9 +2.3	-11.3 +2.9	-10.1 +4.1	-9.5 +4.7	-8.5 +5.7	-7.3 +6.9	-13.5 +0.7	-11.6 +2.6	-7.9 +6.3
강남구	-13.4	-12.4 +1.0	-13.0 +0.4	-11.1 +2.3	-10.6 +2.8	-9.4 +4.0	-8.7 +4.7	-7.8 +5.6	-6.6 +6.8	-12.7 +0.7	-10.9 +2.5	-7.2 +6.2
강동구	-14.5	-13.8 +0.7	-14.3 +0.2	-12.3 +2.2	-11.9 +2.6	-10.8 +3.7	-10.0 +4.5	-9.1 +5.4	-7.9 +6.6	-14.0 +0.5	-12.1 +2.4	-8.5 +6.0
강북구	-14.9	-13.9 +1.0	-14.6 +0.3	-12.5 +2.4	-12.0 +2.9	-10.8 +4.1	-10.2 +4.7	-9.2 +5.7	-8.0 +6.9	-14.2 +0.7	-12.3 +2.6	-8.6 +6.3
강서구	-13.7	-12.9 +0.8	-13.5 +0.2	-11.7 +2.0	-11.0 +2.7	-9.8 +3.9	-9.2 +4.5	-8.3 +5.4	-7.1 +6.6	-13.2 +0.5	-11.3 +2.4	-7.7 +6.0
관악구	-13.6	-12.5 +1.1	-13.1 +0.5	-11.3 +2.3	-10.6 +3.0	-9.4 +4.2	-8.8 +4.8	-7.9 +5.7	-6.7 +6.9	-12.8 +0.8	-11.0 +2.6	-7.3 +6.3
광진구	-13.7	-12.8 +0.9	-13.4 +0.3	-11.4 +2.3	-10.9 +2.8	-9.8 +3.9	-9.1 +4.6	-8.1 +5.6	-6.9 +6.8	-13.1 +0.6	-11.2 +2.5	-7.5 +6.2
구로구	-13.8	-12.8 +1.0	-13.3 +0.5	-11.5 +2.3	-10.9 +2.9	-9.6 +4.2	-9.0 +4.8	-8.1 +5.7	-6.9 +6.9	-13.0 +0.8	-11.2 +2.6	-7.5 +6.3
금천구	-13.3	-12.1 +1.2	-12.7 +0.6	-10.9 +2.4	-10.2 +3.1	-9.0 +4.3	-8.4 +4.9	-7.5 +5.8	-6.3 +7.0	-12.4 +0.9	-10.6 +2.7	-6.9 +6.4
노원구	-15.5	-14.7 +0.8	-15.3 +0.2	-13.2 +2.3	-12.8 +2.7	-11.7 +3.8	-11.0 +4.5	-10.0 +5.5	-8.8 +6.7	-15.0 +0.5	-13.0 +2.5	-9.4 +6.1
도봉구	-15.6	-14.8 +0.8	-15.4 +0.2	-13.2 +2.4	-12.8 +2.8	-11.7 +3.9	-11.0 +4.6	-10.0 +5.6	-8.8 +6.8	-15.1 +0.5	-13.0 +2.6	-9.4 +6.2
동대문구	-14.0	-13.1 +0.9	-13.7 +0.3	-11.8 +2.2	-11.3 +2.7	-10.1 +3.9	-9.4 +4.6	-8.5 +5.5	-7.3 +6.7	-13.4 +0.6	-11.5 +2.5	-7.9 +6.1
동작구	-13.8	-12.7 +1.1	-13.3 +0.5	-11.5 +2.3	-10.8 +3.0	-9.6 +4.2	-9.0 +4.8	-8.1 +5.7	-6.9 +6.9	-13.0 +0.8	-11.1 +2.7	-7.5 +6.3
마포구	-14.1	-13.0 +1.1	-13.6 +0.5	-11.7 +2.4	-11.1 +3.0	-9.9 +4.2	-9.2 +4.9	-8.3 +5.8	-7.2 +6.9	-13.3 +0.8	-11.4 +2.7	-7.7 +6.4
서대문구	-15.0	-13.8 +1.2	-14.4 +0.6	-12.5 +2.5	-11.8 +3.2	-10.7 +4.3	-10.0 +5.0	-9.1 +5.9	-7.9 +7.1	-14.1 +0.9	-12.2 +2.8	-8.5 +6.5
서초구	-13.6	-12.8 +0.8	-13.4 +0.2	-11.5 +2.1	-10.9 +2.7	-9.7 +3.9	-9.1 +4.5	-8.1 +5.5	-6.9 +6.7	-13.1 +0.5	-11.2 +2.4	-7.5 +6.1
성동구	-13.6	-12.7 +0.9	-13.3 +0.3	-11.4 +2.2	-10.8 +2.8	-9.6 +4.0	-8.9 +4.7	-8.0 +5.6	-6.8 +6.8	-13.0 +0.6	-11.1 +2.5	-7.4 +6.2
성북구	-14.7	-13.7 +1.0	-14.3 +0.4	-12.3 +2.4	-11.7 +3.0	-10.6 +4.1	-9.9 +4.8	-9.0 +5.7	-7.8 +6.9	-14.0 +0.7	-12.0 +2.7	-8.4 +6.3
송파구	-13.6	-12.7 +0.9	-13.3 +0.3	-11.4 +2.2	-10.9 +2.7	-9.7 +3.9	-9.0 +4.6	-8.1 +5.5	-6.8 +6.8	-13.0 +0.6	-11.1 +2.5	-7.5 +6.1
양천구	-13.7	-12.7 +1.0	-13.3 +0.4	-11.5 +2.2	-10.8 +2.9	-9.6 +4.1	-9.0 +4.7	-8.1 +5.6	-6.9 +6.8	-13.0 +0.7	-11.1 +2.6	-7.5 +6.2
영등포구	-13.4	-12.3 +1.1	-12.9 +0.5	-11.0 +2.4	-10.4 +3.0	-9.2 +4.2	-8.5 +4.9	-7.6 +5.8	-6.5 +6.9	-12.6 +0.8	-10.7 +2.7	-7.0 +6.4
용산구	-14.2	-13.0 +1.2	-13.7 +0.5	-11.7 +2.5	-11.1 +3.1	-9.9 +4.3	-9.3 +4.9	-8.4 +5.8	-7.2 +7.0	-13.3 +0.9	-11.4 +2.8	-7.8 +6.4
은평구	-15.0	-14.1 +0.9	-14.7 +0.3	-12.7 +2.3	-12.2 +2.8	-10.9 +4.1	-10.3 +4.7	-9.3 +5.7	-8.2 +6.8	-14.4 +0.6	-12.4 +2.6	-8.7 +6.3
종로구	-14.9	-13.7 +1.2	-14.3 +0.6	-12.3 +2.6	-11.7 +3.2	-10.6 +4.3	-9.8 +5.1	-8.9 +6.0	-7.8 +7.1	-14.0 +0.9	-12.0 +2.9	-8.4 +6.5
중구	-14.1	-13.1 +1.0	-13.7 +0.4	-11.8 +2.3	-11.2 +2.9	-10.0 +4.1	-9.3 +4.8	-8.4 +5.7	-7.2 +6.9	-13.4 +0.7	-11.5 +2.6	-7.8 +6.3
중랑구	-15.0	-14.2 +0.8	-14.8 +0.2	-12.8 +2.2	-12.3 +2.7	-11.2 +3.8	-10.5 +4.5	-9.5 +5.5	-8.3 +6.7	-14.5 +0.5	-12.6 +2.4	-8.9 +6.1

표 4-96. 서울특별시의 일최저기온 연최소 21세기 전망과 현재 기후 값 대비 편차(°C)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	-14.2	-13.0	-12.9	-11.7	-11.5	-9.9	-9.0	-7.2	-6.1	-12.9	-11.6	-6.6
		+1.2	+1.3	+2.5	+2.7	+4.3	+5.2	+7.0	+8.1	+1.3	+2.6	+7.6
강남구	-13.4	-12.2	-12.2	-10.9	-10.8	-9.2	-8.3	-6.5	-5.4	-12.2	-10.9	-5.9
		+1.2	+1.2	+2.5	+2.6	+4.2	+5.1	+6.9	+8.0	+1.2	+2.5	+7.5
강동구	-14.5	-13.5	-13.6	-12.3	-12.1	-10.5	-9.6	-7.8	-6.7	-13.5	-12.2	-7.2
		+1.0	+0.9	+2.2	+2.4	+4.0	+4.9	+6.7	+7.8	+1.0	+2.3	+7.3
강북구	-14.9	-13.7	-13.6	-12.4	-12.3	-10.6	-9.7	-7.9	-6.7	-13.6	-12.3	-7.3
		+1.2	+1.3	+2.5	+2.6	+4.3	+5.2	+7.0	+8.2	+1.3	+2.6	+7.6
강서구	-13.7	-12.7	-12.7	-11.4	-11.2	-9.7	-8.7	-6.8	-5.9	-12.7	-11.3	-6.4
		+1.0	+1.0	+2.3	+2.5	+4.0	+5.0	+6.9	+7.8	+1.0	+2.4	+7.3
관악구	-13.6	-12.3	-12.3	-11.0	-10.8	-9.3	-8.3	-6.5	-5.5	-12.3	-10.9	-6.0
		+1.3	+1.3	+2.6	+2.8	+4.3	+5.3	+7.1	+8.1	+1.3	+2.7	+7.6
광진구	-13.7	-12.6	-12.6	-11.3	-11.1	-9.5	-8.6	-6.8	-5.7	-12.6	-11.2	-6.2
		+1.1	+1.1	+2.4	+2.6	+4.2	+5.1	+6.9	+8.0	+1.1	+2.5	+7.5
구로구	-13.8	-12.5	-12.5	-11.2	-11.0	-9.5	-8.5	-6.7	-5.8	-12.5	-11.1	-6.2
		+1.3	+1.3	+2.6	+2.8	+4.3	+5.3	+7.1	+8.0	+1.3	+2.7	+7.6
금천구	-13.3	-11.9	-11.9	-10.5	-10.4	-8.9	-7.9	-6.1	-5.2	-11.9	-10.5	-5.7
		+1.4	+1.4	+2.8	+2.9	+4.4	+5.4	+7.2	+8.1	+1.4	+2.8	+7.6
노원구	-15.5	-14.4	-14.4	-13.2	-13.0	-11.4	-10.5	-8.7	-7.5	-14.4	-13.1	-8.1
		+1.1	+1.1	+2.3	+2.5	+4.1	+5.0	+6.8	+8.0	+1.1	+2.4	+7.4
도봉구	-15.6	-14.5	-14.4	-13.2	-13.1	-11.4	-10.5	-8.7	-7.5	-14.4	-13.2	-8.1
		+1.1	+1.2	+2.4	+2.5	+4.2	+5.1	+6.9	+8.1	+1.2	+2.4	+7.5
동대문구	-14.0	-12.9	-12.9	-11.6	-11.5	-9.8	-8.9	-7.1	-6.0	-12.9	-11.5	-6.6
		+1.1	+1.1	+2.4	+2.5	+4.2	+5.1	+6.9	+8.0	+1.1	+2.5	+7.4
동작구	-13.8	-12.5	-12.5	-11.1	-11.0	-9.4	-8.4	-6.7	-5.7	-12.5	-11.1	-6.2
		+1.3	+1.3	+2.7	+2.8	+4.4	+5.4	+7.1	+8.1	+1.3	+2.7	+7.6
마포구	-14.1	-12.7	-12.7	-11.4	-11.3	-9.7	-8.7	-6.9	-5.9	-12.7	-11.4	-6.4
		+1.4	+1.4	+2.7	+2.8	+4.4	+5.4	+7.2	+8.2	+1.4	+2.7	+7.7
서대문구	-15.0	-13.5	-13.5	-12.2	-12.1	-10.5	-9.5	-7.7	-6.6	-13.5	-12.1	-7.2
		+1.5	+1.5	+2.8	+2.9	+4.5	+5.5	+7.3	+8.4	+1.5	+2.9	+7.8
서초구	-13.6	-12.6	-12.6	-11.2	-11.1	-9.5	-8.6	-6.8	-5.8	-12.6	-11.2	-6.3
		+1.0	+1.0	+2.4	+2.5	+4.1	+5.0	+6.8	+7.8	+1.0	+2.4	+7.3
성동구	-13.6	-12.5	-12.4	-11.2	-11.0	-9.4	-8.4	-6.7	-5.6	-12.4	-11.1	-6.1
		+1.1	+1.2	+2.4	+2.6	+4.2	+5.2	+6.9	+8.0	+1.2	+2.5	+7.5
성북구	-14.7	-13.4	-13.3	-12.1	-12.0	-10.4	-9.4	-7.6	-6.5	-13.4	-12.1	-7.1
		+1.3	+1.4	+2.6	+2.7	+4.3	+5.3	+7.1	+8.2	+1.3	+2.6	+7.6
송파구	-13.6	-12.5	-12.5	-11.2	-11.0	-9.4	-8.5	-6.7	-5.6	-12.5	-11.1	-6.2
		+1.1	+1.1	+2.4	+2.6	+4.2	+5.1	+6.9	+8.0	+1.1	+2.5	+7.4
양천구	-13.7	-12.4	-12.5	-11.1	-11.0	-9.4	-8.5	-6.6	-5.7	-12.4	-11.1	-6.2
		+1.3	+1.2	+2.6	+2.7	+4.3	+5.2	+7.1	+8.0	+1.3	+2.6	+7.5
영등포구	-13.4	-12.0	-12.0	-10.7	-10.5	-9.0	-8.0	-6.2	-5.2	-12.0	-10.6	-5.7
		+1.4	+1.4	+2.7	+2.9	+4.4	+5.4	+7.2	+8.2	+1.4	+2.8	+7.7
용산구	-14.2	-12.8	-12.7	-11.5	-11.3	-9.7	-8.8	-7.0	-6.0	-12.8	-11.4	-6.5
		+1.4	+1.5	+2.7	+2.9	+4.5	+5.4	+7.2	+8.2	+1.4	+2.8	+7.7
은평구	-15.0	-13.8	-13.7	-12.5	-12.4	-10.7	-9.8	-8.0	-6.9	-13.8	-12.4	-7.5
		+1.2	+1.3	+2.5	+2.6	+4.3	+5.2	+7.0	+8.1	+1.2	+2.6	+7.5
종로구	-14.9	-13.4	-13.3	-12.1	-12.0	-10.3	-9.4	-7.6	-6.5	-13.4	-12.0	-7.1
		+1.5	+1.6	+2.8	+2.9	+4.6	+5.5	+7.3	+8.4	+1.5	+2.9	+7.8
중구	-14.1	-12.9	-12.8	-11.6	-11.4	-9.8	-8.9	-7.1	-6.0	-12.8	-11.5	-6.5
		+1.2	+1.3	+2.5	+2.7	+4.3	+5.2	+7.0	+8.1	+1.3	+2.6	+7.6
종량구	-15.0	-14.0	-14.0	-12.7	-12.6	-10.9	-10.0	-8.3	-7.1	-14.0	-12.6	-7.7
		+1.0	+1.0	+2.3	+2.4	+4.1	+5.0	+6.7	+7.9	+1.0	+2.4	+7.3



### 3) 강수 극한기후지수

- SSP 시나리오에 따른 서울특별시 호우일수는 현재(2000-2019년, 2.7일) 대비 21세기 중반기에 0.5~0.8일, 21세기 후반기에 0.6~1.0일 증가하고, 강수강도는 현재(16.9mm/일) 대비 21세기 중반기에 1.9~2.4mm/일, 21세기 후반기에 2.1~3.7mm/일 증가할 것으로 전망됨.
  - SSP1-2.6 시나리오에서 서울특별시 호우일수는 현재 대비 21세기 중, 후반기에 0.6일 증가하고, 강수강도는 21세기 중, 후반기에 2.1mm/일 강해질 것으로 전망됨.
  - SSP2-4.5 시나리오에서 서울특별시 호우일수는 현재 대비 21세기 중/후반기에 0.8일, 0.9일 증가하고, 강수강도는 21세기 중/후반기에 2.4mm/일, 3.1mm/일 강해질 것으로 전망됨.
  - SSP3-7.0 시나리오에서 서울특별시 호우일수는 현재 대비 21세기 중/후반기에 0.5일, 1.0일 증가하고, 강수강도는 21세기 중/후반기에 1.9mm/일, 3.7mm/일 강해질 것으로 전망됨.
  - SSP5-8.5 시나리오에서 서울특별시 호우일수는 현재 대비 21세기 중/후반기에 0.5일, 1.0일 증가하고, 강수강도는 21세기 중/후반기에 2.1mm/일, 3.5mm/일 강해질 것으로 전망됨.
- SSP5-8.5 시나리오에서 현재 대비 21세기 후반기 서울특별시 호우일수 증가폭(+1.0일)은 SSP1-2.6 시나리오에서의 증가폭(+0.6일) 보다 0.4일 크게 나타나며, SSP5-8.5 시나리오에서 21세기 후반기 강수강도 증가폭(+3.5mm/일)은 SSP1-2.6 시나리오에서의 증가폭(+2.1mm/일) 보다 1.4mm/일 크게 나타남.
  - SSP5-8.5에서 21세기 후반기 서울특별시 내 호우일수 증가폭이 가장 큰 지역은 서대문구/중구(+1.2일)이며 가장 작은 지역은 강동구/금천구/노원구/성동구(+0.8일)로 나타남.
  - SSP5-8.5에서 21세기 후반기 서울특별시 내 강수강도 증가폭이 가장 큰 지역은 강서구/양천구(+4.0mm/일)이며 가장 작은 지역은 노원구(+3.1mm/일)로 나타남.

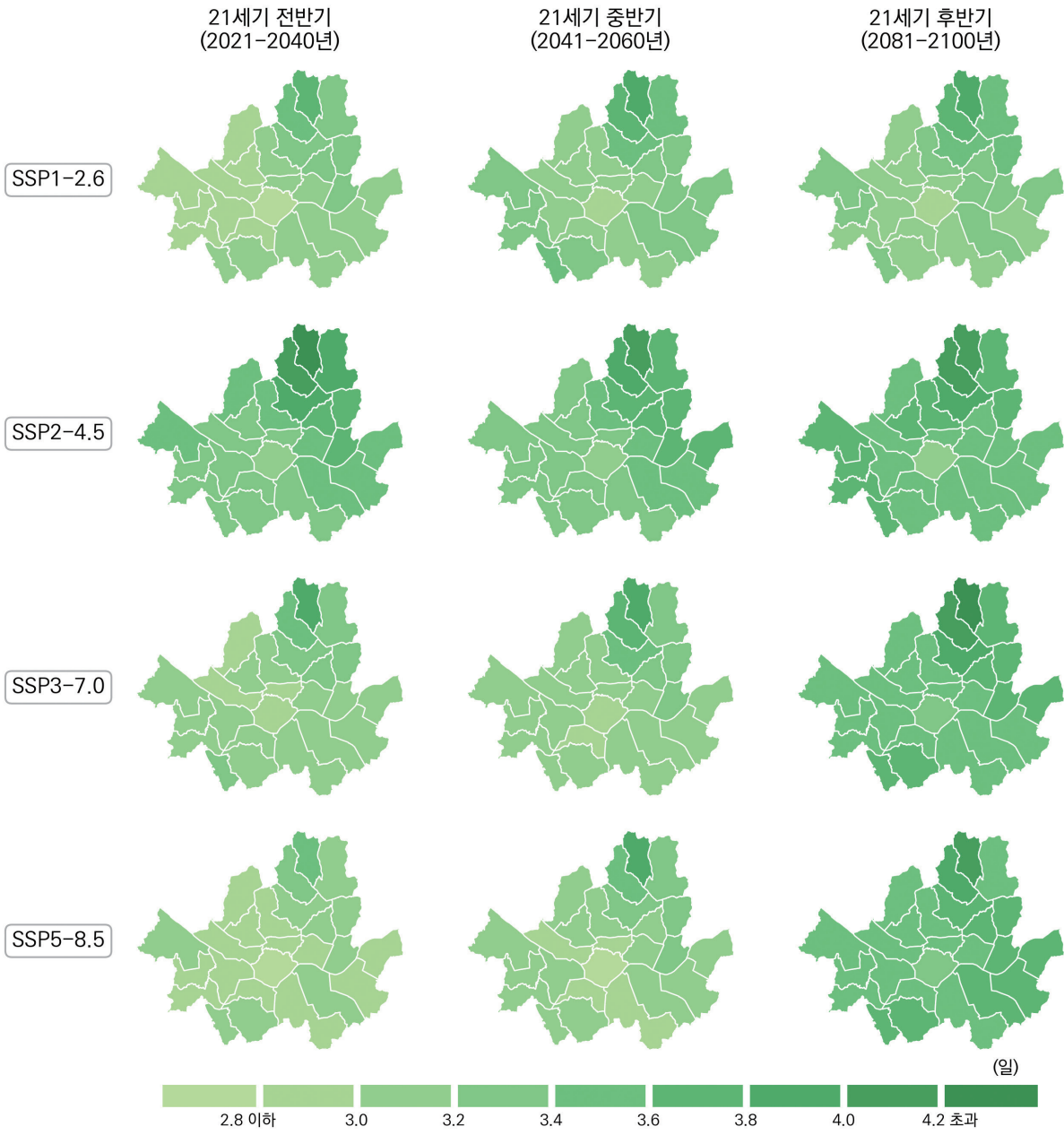


그림 4-34. 서울특별시의 호우일수(일) 전망 분포도

표 4-97. 서울특별시의 호우일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	2.7	3.1	3.3	3.1	3.6	3.5	3.5	3.5	3.2	3.2	3.3	3.3
		+0.4	+0.6	+0.4	+0.9	+0.8	+0.8	+0.8	+0.5	+0.5	+0.6	+0.6
강남구	2.8	3.0	3.3	3.0	3.6	3.5	3.6	3.4	3.2	3.1	3.3	3.3
		+0.2	+0.5	+0.2	+0.8	+0.7	+0.8	+0.6	+0.4	+0.3	+0.5	+0.5
강동구	2.9	3.1	3.3	3.0	3.5	3.5	3.4	3.5	3.3	3.2	3.3	3.4
		+0.2	+0.4	+0.1	+0.6	+0.6	+0.5	+0.6	+0.4	+0.3	+0.4	+0.5
강북구	2.9	3.6	3.6	3.4	4.0	3.9	3.9	4.0	3.5	3.6	3.7	3.7
		+0.7	+0.7	+0.5	+1.1	+1.0	+1.0	+1.1	+0.6	+0.7	+0.8	+0.8
강서구	2.5	3.0	3.0	3.0	3.5	3.3	3.4	3.5	3.1	3.0	3.3	3.3
		+0.5	+0.5	+0.5	+1.0	+0.8	+0.9	+1.0	+0.6	+0.5	+0.8	+0.8
관악구	2.8	2.9	3.2	3.0	3.6	3.4	3.3	3.3	3.2	3.1	3.3	3.2
		+0.1	+0.4	+0.2	+0.8	+0.6	+0.5	+0.5	+0.4	+0.3	+0.5	+0.4
광진구	2.8	3.1	3.4	3.0	3.5	3.6	3.6	3.5	3.3	3.3	3.3	3.4
		+0.3	+0.6	+0.2	+0.7	+0.8	+0.8	+0.7	+0.5	+0.5	+0.5	+0.6
구로구	2.5	2.9	3.1	3.0	3.6	3.3	3.3	3.4	3.1	3.0	3.3	3.2
		+0.4	+0.6	+0.5	+1.1	+0.8	+0.8	+0.9	+0.6	+0.5	+0.8	+0.7
금천구	3.0	3.0	3.3	3.2	3.7	3.5	3.4	3.4	3.1	3.2	3.5	3.3
		+0.0	+0.3	+0.2	+0.7	+0.5	+0.4	+0.4	+0.4	+0.1	+0.2	+0.5
노원구	2.8	3.3	3.5	3.3	3.7	3.5	3.6	3.8	3.3	3.4	3.5	3.5
		+0.5	+0.7	+0.5	+0.9	+0.7	+0.8	+1.0	+0.5	+0.6	+0.7	+0.7
도봉구	3.1	3.8	3.8	3.8	4.2	4.1	4.1	4.3	3.7	3.8	4.0	4.0
		+0.7	+0.7	+0.7	+1.1	+1.0	+1.0	+1.2	+0.6	+0.7	+0.9	+0.9
동대문구	2.7	3.1	3.5	3.1	3.6	3.6	3.6	3.6	3.3	3.3	3.3	3.4
		+0.4	+0.8	+0.4	+0.9	+0.9	+0.9	+0.9	+0.9	+0.6	+0.6	+0.6
동작구	2.6	2.9	3.1	2.9	3.4	3.3	3.3	3.3	3.1	3.0	3.2	3.2
		+0.3	+0.5	+0.3	+0.8	+0.7	+0.7	+0.7	+0.5	+0.4	+0.6	+0.6
마포구	2.4	2.9	3.0	2.9	3.4	3.3	3.3	3.3	3.0	3.0	3.2	3.1
		+0.5	+0.6	+0.5	+1.0	+0.9	+0.9	+0.9	+0.6	+0.6	+0.8	+0.7
서대문구	2.4	3.0	3.0	2.9	3.5	3.4	3.3	3.4	3.1	3.0	3.2	3.2
		+0.6	+0.6	+0.5	+1.1	+1.0	+0.9	+1.0	+0.7	+0.6	+0.8	+0.8
서초구	2.7	3.0	3.2	2.9	3.5	3.3	3.3	3.3	3.1	3.1	3.2	3.2
		+0.3	+0.5	+0.2	+0.8	+0.6	+0.6	+0.6	+0.4	+0.4	+0.5	+0.5
성동구	2.8	3.0	3.3	3.0	3.5	3.5	3.5	3.5	3.2	3.1	3.2	3.3
		+0.2	+0.5	+0.2	+0.7	+0.7	+0.7	+0.7	+0.4	+0.3	+0.4	+0.5
성북구	2.8	3.3	3.4	3.2	3.7	3.7	3.7	3.8	3.3	3.4	3.5	3.5
		+0.5	+0.6	+0.4	+0.9	+0.9	+0.9	+1.0	+0.5	+0.6	+0.7	+0.7
송파구	2.8	3.1	3.2	3.0	3.5	3.4	3.5	3.3	3.2	3.1	3.3	3.2
		+0.3	+0.4	+0.2	+0.7	+0.6	+0.7	+0.5	+0.4	+0.3	+0.5	+0.4
양천구	2.5	2.9	3.0	3.0	3.6	3.3	3.4	3.5	3.1	3.0	3.3	3.3
		+0.4	+0.5	+0.5	+1.1	+0.8	+0.9	+1.0	+0.6	+0.5	+0.8	+0.8
영등포구	2.6	2.9	3.1	2.9	3.5	3.2	3.3	3.4	3.1	3.0	3.2	3.2
		+0.3	+0.5	+0.3	+0.9	+0.6	+0.7	+0.8	+0.5	+0.4	+0.6	+0.6
용산구	2.3	2.8	2.9	2.8	3.2	3.2	3.2	3.1	2.9	2.8	3.0	3.0
		+0.5	+0.6	+0.5	+0.9	+0.9	+0.9	+0.8	+0.6	+0.5	+0.7	+0.7
은평구	2.4	2.9	2.9	2.9	3.5	3.4	3.3	3.4	3.0	2.9	3.2	3.2
		+0.5	+0.5	+0.5	+1.1	+1.0	+0.9	+1.0	+0.6	+0.5	+0.8	+0.8
종로구	2.6	3.1	3.2	3.0	3.5	3.5	3.5	3.5	3.2	3.1	3.2	3.3
		+0.5	+0.6	+0.4	+0.9	+0.9	+0.9	+0.9	+0.6	+0.5	+0.6	+0.7
중구	2.4	2.9	3.2	2.9	3.4	3.4	3.5	3.3	3.1	3.1	3.2	3.2
		+0.5	+0.8	+0.5	+1.0	+1.0	+1.1	+0.9	+0.7	+0.7	+0.8	+0.8
종랑구	2.8	3.2	3.5	3.1	3.6	3.6	3.6	3.7	3.3	3.3	3.4	3.5
		+0.4	+0.7	+0.3	+0.8	+0.8	+0.8	+0.9	+0.5	+0.5	+0.6	+0.7

표 4-98. 서울특별시의 호우일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	2.7	3.6 +0.9	3.5 +0.8	3.7 +1.0	3.4 +0.7	3.7 +1.0	3.9 +1.2	3.5 +0.8	3.7 +1.0	3.6 +0.9	3.5 +0.8	3.6 +0.9
강남구	2.8	3.7 +0.9	3.4 +0.6	3.8 +1.0	3.3 +0.5	3.7 +0.9	3.9 +1.1	3.4 +0.6	3.6 +0.8	3.6 +0.8	3.5 +0.7	3.5 +0.7
강동구	2.9	3.7 +0.8	3.5 +0.6	3.9 +1.0	3.4 +0.5	3.8 +0.9	3.8 +0.9	3.4 +0.5	3.6 +0.7	3.6 +0.7	3.7 +0.8	3.5 +0.6
강북구	2.9	4.1 +1.2	4.0 +1.1	4.2 +1.3	3.8 +0.9	4.1 +1.2	4.2 +1.3	4.1 +1.2	4.2 +1.3	4.1 +1.2	4.0 +1.1	4.1 +1.2
강서구	2.5	3.5 +1.0	3.5 +1.0	3.5 +1.0	3.3 +0.8	3.6 +1.1	4.0 +1.5	3.5 +1.0	3.9 +1.4	3.5 +1.0	3.4 +0.9	3.7 +1.2
관악구	2.8	3.5 +0.7	3.3 +0.5	3.5 +0.7	3.2 +0.4	3.6 +0.8	4.0 +1.2	3.5 +0.7	3.7 +0.9	3.4 +0.6	3.4 +0.6	3.6 +0.8
광진구	2.8	3.8 +1.0	3.6 +0.8	4.0 +1.2	3.5 +0.7	3.7 +0.9	3.9 +1.1	3.4 +0.6	3.7 +0.9	3.7 +0.9	3.7 +0.9	3.6 +0.8
구로구	2.5	3.4 +0.9	3.3 +0.8	3.5 +1.0	3.2 +0.7	3.6 +1.1	4.0 +1.5	3.6 +1.1	3.7 +1.2	3.3 +0.8	3.4 +0.9	3.7 +1.2
금천구	3.0	3.5 +0.5	3.4 +0.4	3.5 +0.5	3.4 +0.4	3.7 +0.7	4.2 +1.2	3.6 +0.6	3.8 +0.8	3.4 +0.4	3.4 +0.4	3.7 +0.7
노원구	2.8	4.0 +1.2	3.7 +0.9	4.0 +1.2	3.6 +0.8	3.8 +1.0	4.0 +1.2	3.8 +1.0	3.8 +1.0	3.9 +1.1	3.8 +1.0	3.8 +1.0
도봉구	3.1	4.6 +1.5	4.3 +1.2	4.4 +1.3	3.9 +0.8	4.2 +1.1	4.4 +1.3	4.2 +1.1	4.3 +1.2	4.4 +1.3	4.2 +1.1	4.2 +1.1
동대문구	2.7	3.8 +1.1	3.7 +1.0	3.9 +1.2	3.5 +0.8	3.7 +1.0	3.9 +1.2	3.5 +0.8	3.7 +1.0	3.7 +1.0	3.7 +1.0	3.6 +0.9
동작구	2.6	3.4 +0.8	3.2 +0.6	3.4 +0.8	3.1 +0.5	3.5 +0.9	3.9 +1.3	3.4 +0.8	3.5 +0.9	3.3 +0.7	3.3 +0.7	3.5 +0.9
마포구	2.4	3.4 +1.0	3.3 +0.9	3.5 +1.1	3.2 +0.8	3.5 +1.1	3.8 +1.4	3.4 +1.0	3.6 +1.2	3.3 +0.9	3.3 +0.9	3.5 +1.1
서대문구	2.4	3.5 +1.1	3.3 +0.9	3.5 +1.1	3.3 +0.9	3.6 +1.2	3.8 +1.4	3.5 +1.1	3.8 +1.4	3.4 +1.0	3.4 +1.0	3.7 +1.3
서초구	2.7	3.5 +0.8	3.2 +0.5	3.6 +0.9	3.2 +0.5	3.6 +0.9	3.9 +1.2	3.4 +0.7	3.6 +0.9	3.4 +0.7	3.4 +0.7	3.5 +0.8
성동구	2.8	3.7 +0.9	3.4 +0.6	3.8 +1.0	3.4 +0.6	3.6 +0.8	3.8 +1.0	3.4 +0.6	3.6 +0.8	3.5 +0.7	3.6 +0.8	3.5 +0.7
성북구	2.8	3.9 +1.1	3.8 +1.0	4.0 +1.2	3.6 +0.8	3.9 +1.1	4.0 +1.2	3.9 +1.1	4.0 +1.2	3.9 +1.1	3.8 +1.0	3.9 +1.1
송파구	2.8	3.7 +0.9	3.4 +0.6	3.8 +1.0	3.4 +0.6	3.8 +1.0	3.9 +1.1	3.4 +0.6	3.5 +0.7	3.5 +0.7	3.6 +0.8	3.5 +0.7
양천구	2.5	3.4 +0.9	3.4 +0.9	3.5 +1.0	3.2 +0.7	3.6 +1.1	3.9 +1.4	3.6 +1.1	3.8 +1.3	3.4 +0.9	3.3 +0.8	3.7 +1.2
영등포구	2.6	3.4 +0.8	3.3 +0.7	3.5 +0.9	3.2 +0.6	3.5 +0.9	3.9 +1.3	3.6 +1.0	3.7 +1.1	3.3 +0.7	3.4 +0.8	3.6 +1.0
용산구	2.3	3.2 +0.9	3.1 +0.8	3.4 +1.1	3.1 +0.8	3.3 +1.0	3.6 +1.3	3.1 +0.8	3.4 +1.1	3.1 +0.8	3.2 +0.9	3.2 +0.9
은평구	2.4	3.5 +1.1	3.4 +1.0	3.4 +1.0	3.2 +0.8	3.6 +1.2	3.8 +1.4	3.5 +1.1	3.8 +1.4	3.5 +1.1	3.3 +0.9	3.6 +1.2
종로구	2.6	3.6 +1.0	3.4 +0.8	3.7 +1.1	3.3 +0.7	3.7 +1.1	3.8 +1.2	3.6 +1.0	3.8 +1.2	3.5 +0.9	3.5 +0.9	3.7 +1.1
중구	2.4	3.5 +1.1	3.3 +0.9	3.6 +1.2	3.2 +0.8	3.4 +1.0	3.8 +1.4	3.3 +0.9	3.6 +1.2	3.4 +1.0	3.4 +1.0	3.5 +1.1
종량구	2.8	3.9 +1.1	3.6 +0.8	3.9 +1.1	3.6 +0.8	3.7 +0.9	4.0 +1.2	3.6 +0.8	3.8 +1.0	3.8 +1.0	3.8 +1.0	3.7 +0.9

표 4-99. 서울특별시의 호우일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	2.7	3.0	3.4	2.7	3.8	3.9	3.9	3.6	3.8	3.2	3.2	3.7
		+0.3	+0.7	+0.0	+1.1	+1.2	+1.2	+0.9	+1.1	+0.5	+0.5	+1.0
강남구	2.8	3.0	3.4	2.7	3.7	3.9	4.1	3.6	3.7	3.2	3.2	3.6
		+0.2	+0.6	-0.1	+0.9	+1.1	+1.3	+0.8	+0.9	+0.4	+0.4	+0.8
강동구	2.9	2.9	3.3	2.7	3.6	3.9	4.0	3.6	3.7	3.1	3.2	3.7
		+0.0	+0.4	-0.2	+0.7	+1.0	+1.1	+0.7	+0.8	+0.2	+0.3	+0.8
강북구	2.9	3.4	3.9	2.9	4.4	4.4	4.2	4.1	4.0	3.6	3.7	4.1
		+0.5	+1.0	+0.0	+1.5	+1.5	+1.3	+1.2	+1.1	+0.7	+0.8	+1.2
강서구	2.5	2.9	3.4	2.5	3.8	4.0	3.8	3.4	3.8	3.1	3.1	3.6
		+0.4	+0.9	+0.0	+1.3	+1.5	+1.3	+0.9	+1.3	+0.6	+0.6	+1.1
관악구	2.8	3.0	3.3	2.7	3.6	3.9	3.9	3.6	3.8	3.2	3.1	3.7
		+0.2	+0.5	-0.1	+0.8	+1.1	+1.1	+0.8	+1.0	+0.4	+0.3	+0.9
광진구	2.8	3.1	3.4	2.8	3.8	4.0	4.0	3.6	3.7	3.2	3.3	3.7
		+0.3	+0.6	+0.0	+1.0	+1.2	+1.2	+0.8	+0.9	+0.4	+0.5	+0.9
구로구	2.5	2.9	3.4	2.6	3.6	3.8	3.8	3.5	3.8	3.1	3.1	3.6
		+0.4	+0.9	+0.1	+1.1	+1.3	+1.3	+1.0	+1.3	+0.6	+0.6	+1.1
금천구	3.0	3.1	3.4	2.8	3.7	3.9	4.0	3.6	3.8	3.3	3.2	3.7
		+0.1	+0.4	-0.2	+0.7	+0.9	+1.0	+0.6	+0.8	+0.3	+0.2	+0.7
노원구	2.8	3.2	3.7	2.7	4.0	4.1	4.0	3.8	3.9	3.4	3.4	3.8
		+0.4	+0.9	-0.1	+1.2	+1.3	+1.2	+1.0	+1.1	+0.6	+0.6	+1.0
도봉구	3.1	3.6	4.1	3.0	4.7	4.6	4.4	4.4	4.2	3.9	3.9	4.3
		+0.5	+1.0	-0.1	+1.6	+1.5	+1.3	+1.3	+1.1	+0.8	+0.8	+1.2
동대문구	2.7	3.1	3.4	2.7	3.8	4.0	4.0	3.7	3.8	3.3	3.3	3.7
		+0.4	+0.7	+0.0	+1.1	+1.3	+1.3	+1.0	+1.1	+0.6	+0.6	+1.0
동작구	2.6	2.9	3.4	2.5	3.5	3.7	3.9	3.4	3.7	3.1	3.0	3.5
		+0.3	+0.8	-0.1	+0.9	+1.1	+1.3	+0.8	+1.1	+0.5	+0.4	+0.9
마포구	2.4	2.8	3.3	2.4	3.7	3.8	3.8	3.4	3.7	3.0	3.1	3.5
		+0.4	+0.9	+0.0	+1.3	+1.4	+1.4	+1.0	+1.3	+0.6	+0.7	+1.1
서대문구	2.4	2.9	3.3	2.5	3.8	4.0	3.7	3.4	3.7	3.1	3.2	3.6
		+0.5	+0.9	+0.1	+1.4	+1.6	+1.3	+1.0	+1.3	+0.7	+0.8	+1.2
서초구	2.7	2.9	3.4	2.6	3.6	3.8	4.0	3.4	3.7	3.2	3.1	3.5
		+0.2	+0.7	-0.1	+0.9	+1.1	+1.3	+0.7	+1.0	+0.5	+0.4	+0.8
성동구	2.8	3.0	3.3	2.7	3.7	3.9	4.0	3.5	3.7	3.2	3.2	3.6
		+0.2	+0.5	-0.1	+0.9	+1.1	+1.2	+0.7	+0.9	+0.4	+0.4	+0.8
성북구	2.8	3.3	3.6	2.8	4.1	4.2	4.1	3.8	3.9	3.4	3.5	3.9
		+0.5	+0.8	+0.0	+1.3	+1.4	+1.3	+1.0	+1.1	+0.6	+0.7	+1.1
송파구	2.8	2.9	3.4	2.8	3.6	3.8	4.1	3.6	3.7	3.2	3.2	3.6
		+0.1	+0.6	+0.0	+0.8	+1.0	+1.3	+0.8	+0.9	+0.4	+0.4	+0.8
양천구	2.5	2.9	3.4	2.5	3.7	3.9	3.9	3.4	3.8	3.1	3.1	3.6
		+0.4	+0.9	+0.0	+1.2	+1.4	+1.4	+0.9	+1.3	+0.6	+0.6	+1.1
영등포구	2.6	2.9	3.4	2.6	3.6	3.8	3.9	3.4	3.8	3.2	3.1	3.6
		+0.3	+0.8	+0.0	+1.0	+1.2	+1.3	+0.8	+1.2	+0.6	+0.5	+1.0
용산구	2.3	2.7	3.1	2.4	3.5	3.6	3.7	3.1	3.5	2.9	2.9	3.3
		+0.4	+0.8	+0.1	+1.2	+1.3	+1.4	+0.8	+1.2	+0.6	+0.6	+1.0
은평구	2.4	2.9	3.2	2.4	3.8	3.9	3.6	3.5	3.7	3.0	3.1	3.6
		+0.5	+0.8	+0.0	+1.4	+1.5	+1.2	+1.1	+1.3	+0.6	+0.7	+1.2
종로구	2.6	3.0	3.3	2.6	3.9	4.0	3.9	3.5	3.7	3.2	3.2	3.6
		+0.4	+0.7	+0.0	+1.3	+1.4	+1.3	+0.9	+1.1	+0.6	+0.6	+1.0
중구	2.4	2.8	3.3	2.6	3.7	3.9	3.9	3.4	3.6	3.0	3.1	3.5
		+0.4	+0.9	+0.2	+1.3	+1.5	+1.5	+1.0	+1.2	+0.6	+0.7	+1.1
종랑구	2.8	3.2	3.5	2.8	3.9	4.0	4.0	3.7	3.8	3.3	3.3	3.8
		+0.4	+0.7	+0.0	+1.1	+1.2	+1.2	+0.9	+1.0	+0.5	+0.5	+1.0

표 4-100. 서울특별시의 호우일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	2.7	3.2	2.8	2.9	3.4	3.4	3.7	3.6	3.7	3.0	3.2	3.7
		+0.5	+0.1	+0.2	+0.7	+0.7	+1.0	+0.9	+1.0	+0.3	+0.5	+1.0
강남구	2.8	3.3	2.8	2.8	3.4	3.3	3.6	3.6	3.9	3.1	3.1	3.7
		+0.5	+0.0	+0.0	+0.6	+0.5	+0.8	+0.8	+1.1	+0.3	+0.3	+0.9
강동구	2.9	3.1	2.9	2.9	3.4	3.3	3.6	3.5	4.0	3.0	3.2	3.7
		+0.2	+0.0	+0.0	+0.5	+0.4	+0.7	+0.6	+1.1	+0.1	+0.3	+0.8
강북구	2.9	3.4	3.1	3.3	3.9	3.8	4.2	3.9	4.0	3.3	3.6	3.9
		+0.5	+0.2	+0.4	+1.0	+0.9	+1.3	+1.0	+1.1	+0.4	+0.7	+1.0
강서구	2.5	3.3	2.8	3.0	3.5	3.4	3.6	3.5	3.5	3.1	3.2	3.5
		+0.8	+0.3	+0.5	+1.0	+0.9	+1.1	+1.0	+1.0	+0.6	+0.7	+1.0
관악구	2.8	3.3	2.8	2.8	3.4	3.3	3.7	3.6	3.8	3.1	3.1	3.7
		+0.5	+0.0	+0.0	+0.6	+0.5	+0.9	+0.8	+1.0	+0.3	+0.3	+0.9
광진구	2.8	3.3	2.9	3.0	3.5	3.4	3.6	3.6	3.9	3.1	3.3	3.8
		+0.5	+0.1	+0.2	+0.7	+0.6	+0.8	+0.8	+1.1	+0.3	+0.5	+1.0
구로구	2.5	3.3	2.7	2.8	3.3	3.4	3.7	3.5	3.6	3.0	3.1	3.5
		+0.8	+0.2	+0.3	+0.8	+0.9	+1.2	+1.0	+1.1	+0.5	+0.6	+1.0
금천구	3.0	3.4	2.8	3.0	3.5	3.5	3.7	3.7	3.9	3.1	3.2	3.8
		+0.4	-0.2	+0.0	+0.5	+0.5	+0.7	+0.7	+0.9	+0.1	+0.2	+0.8
노원구	2.8	3.1	3.0	3.1	3.6	3.5	3.9	3.5	3.8	3.1	3.4	3.6
		+0.3	+0.2	+0.3	+0.8	+0.7	+1.1	+0.7	+1.0	+0.3	+0.6	+0.8
도봉구	3.1	3.6	3.4	3.6	4.1	4.0	4.3	4.1	4.2	3.5	3.9	4.2
		+0.5	+0.3	+0.5	+1.0	+0.9	+1.2	+1.0	+1.1	+0.4	+0.8	+1.1
동대문구	2.7	3.2	2.9	3.0	3.4	3.4	3.8	3.5	3.9	3.1	3.2	3.7
		+0.5	+0.2	+0.3	+0.7	+0.7	+1.1	+0.8	+1.2	+0.4	+0.5	+1.0
동작구	2.6	3.3	2.7	2.7	3.3	3.2	3.5	3.5	3.6	3.0	3.0	3.5
		+0.7	+0.1	+0.1	+0.7	+0.6	+0.9	+0.9	+1.0	+0.4	+0.4	+0.9
마포구	2.4	3.1	2.7	2.8	3.3	3.3	3.6	3.5	3.6	2.9	3.0	3.5
		+0.7	+0.3	+0.4	+0.9	+0.9	+1.2	+1.1	+1.2	+0.5	+0.6	+1.1
서대문구	2.4	3.1	2.8	2.9	3.4	3.3	3.7	3.6	3.6	2.9	3.1	3.6
		+0.7	+0.4	+0.5	+1.0	+0.9	+1.3	+1.2	+1.2	+0.5	+0.7	+1.2
서초구	2.7	3.3	2.7	2.7	3.3	3.2	3.6	3.5	3.7	3.0	3.0	3.6
		+0.6	+0.0	+0.0	+0.6	+0.5	+0.9	+0.8	+1.0	+0.3	+0.3	+0.9
성동구	2.8	3.2	2.8	2.9	3.3	3.3	3.7	3.5	3.8	3.0	3.1	3.6
		+0.4	+0.0	+0.1	+0.5	+0.5	+0.9	+0.7	+1.0	+0.2	+0.3	+0.8
성북구	2.8	3.3	3.0	3.2	3.6	3.6	4.0	3.6	3.9	3.1	3.4	3.8
		+0.5	+0.2	+0.4	+0.8	+0.8	+1.2	+0.8	+1.1	+0.3	+0.6	+1.0
송파구	2.8	3.2	2.8	2.8	3.4	3.3	3.5	3.5	3.8	3.0	3.1	3.7
		+0.4	+0.0	+0.0	+0.6	+0.5	+0.7	+0.7	+1.0	+0.2	+0.3	+0.9
양천구	2.5	3.3	2.8	2.9	3.3	3.4	3.7	3.5	3.5	3.0	3.1	3.5
		+0.8	+0.3	+0.4	+0.8	+0.9	+1.2	+1.0	+1.0	+0.5	+0.6	+1.0
영등포구	2.6	3.3	2.7	2.8	3.3	3.3	3.6	3.6	3.6	3.0	3.1	3.6
		+0.7	+0.1	+0.2	+0.7	+0.7	+1.0	+1.0	+1.0	+0.4	+0.5	+1.0
용산구	2.3	3.0	2.5	2.6	3.1	3.1	3.4	3.3	3.5	2.8	2.8	3.4
		+0.7	+0.2	+0.3	+0.8	+0.8	+1.1	+1.0	+1.2	+0.5	+0.5	+1.1
은평구	2.4	3.1	2.7	2.9	3.3	3.3	3.6	3.5	3.4	2.9	3.1	3.5
		+0.7	+0.3	+0.5	+0.9	+0.9	+1.2	+1.1	+1.0	+0.5	+0.7	+1.1
종로구	2.6	3.1	2.8	2.9	3.4	3.4	3.8	3.6	3.7	3.0	3.2	3.6
		+0.5	+0.2	+0.3	+0.8	+0.8	+1.2	+1.0	+1.1	+0.4	+0.6	+1.0
중구	2.4	3.1	2.7	2.8	3.3	3.2	3.7	3.5	3.6	2.9	3.0	3.6
		+0.7	+0.3	+0.4	+0.9	+0.8	+1.3	+1.1	+1.2	+0.5	+0.6	+1.2
종량구	2.8	3.1	3.0	3.1	3.6	3.5	3.8	3.5	3.9	3.1	3.3	3.7
		+0.3	+0.2	+0.3	+0.8	+0.7	+1.0	+0.7	+1.1	+0.3	+0.5	+0.9

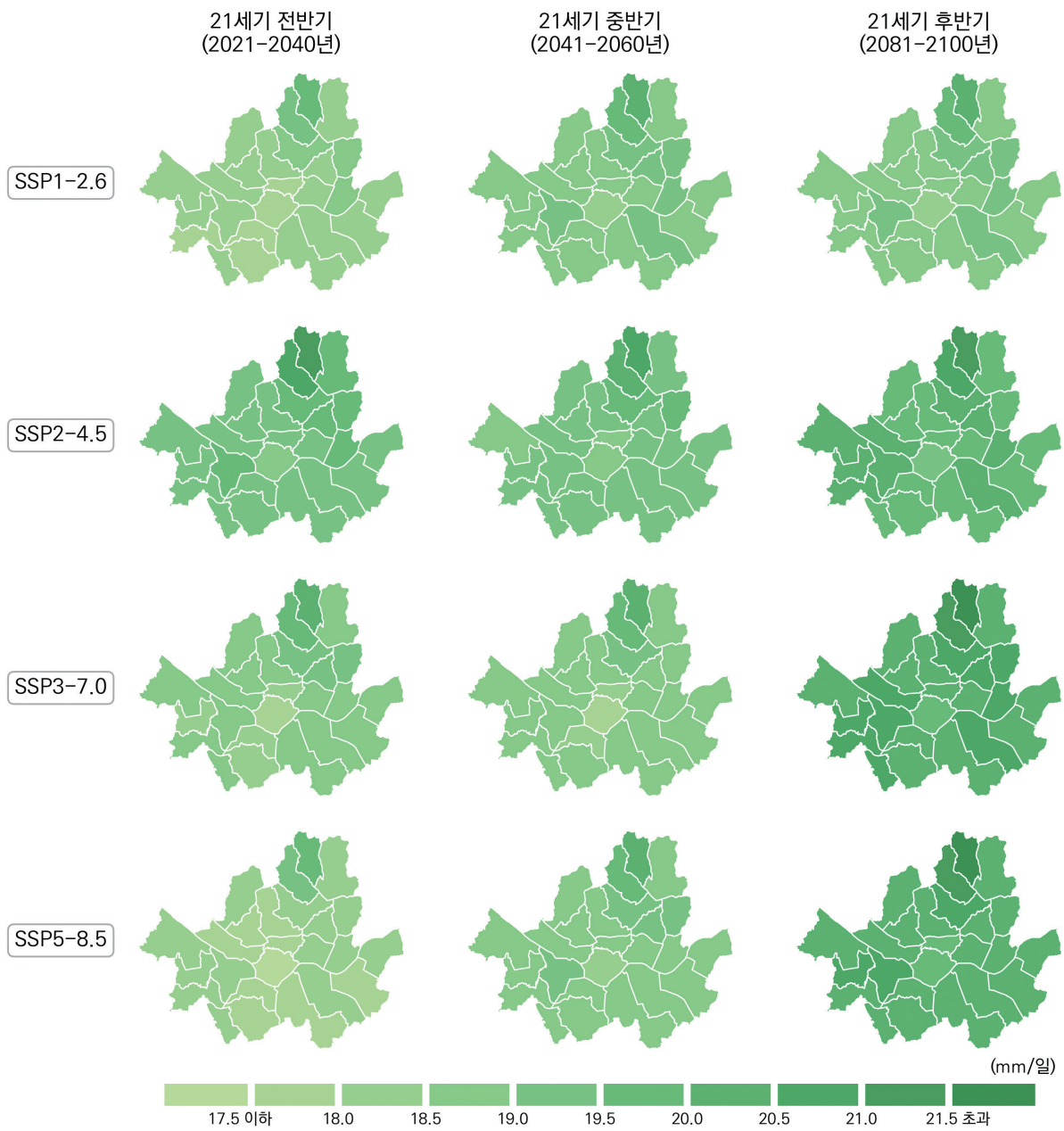


그림 4-35. 서울특별시의 강수강도(mm/일) 전망 분포도

표 4-101. 서울특별시의 강수강도 21세기 전망과 현재 기후 값 대비 편차(mm/일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	16.9	17.9	18.8	18.6	19.3	18.9	19.1	19.3	18.8	18.3	19.0	19.0
		+1.0	+1.9	+1.7	+2.4	+2.0	+2.2	+2.4	+1.9	+1.4	+2.1	+2.1
강남구	17.0	17.9	19.1	18.8	19.6	19.1	19.2	19.4	18.9	18.5	19.2	19.1
		+0.9	+2.1	+1.8	+2.6	+2.1	+2.2	+2.4	+1.9	+1.5	+2.2	+2.1
강동구	16.9	17.7	18.9	18.5	19.3	18.9	18.9	19.0	18.7	18.3	18.9	18.9
		+0.8	+2.0	+1.6	+2.4	+2.0	+2.0	+2.1	+1.8	+1.4	+2.0	+2.0
강북구	17.7	18.9	19.5	19.4	19.9	19.8	19.8	19.9	19.5	19.2	19.6	19.7
		+1.2	+1.8	+1.7	+2.2	+2.1	+2.1	+2.2	+1.8	+1.5	+1.9	+2.0
강서구	16.5	17.7	18.5	18.4	19.1	18.5	19.2	19.2	18.7	18.1	18.8	18.9
		+1.2	+2.0	+1.9	+2.6	+2.0	+2.7	+2.7	+2.2	+1.6	+2.3	+2.4
관악구	16.7	17.5	18.5	18.5	19.3	18.8	18.9	19.1	18.6	18.0	18.9	18.9
		+0.8	+1.8	+1.8	+2.6	+2.1	+2.2	+2.4	+1.9	+1.3	+2.2	+2.2
광진구	17.1	18.0	19.1	18.9	19.6	19.1	19.3	19.4	18.9	18.6	19.2	19.2
		+0.9	+2.0	+1.8	+2.5	+2.0	+2.2	+2.3	+1.8	+1.5	+2.1	+2.1
구로구	16.6	17.5	18.5	18.5	19.4	18.8	19.0	19.3	18.6	18.0	18.9	18.9
		+0.9	+1.9	+1.9	+2.8	+2.2	+2.4	+2.7	+2.0	+1.4	+2.3	+2.3
금천구	16.7	17.6	18.6	18.7	19.4	18.9	18.9	19.2	18.7	18.1	19.0	18.9
		+0.9	+1.9	+2.0	+2.7	+2.2	+2.2	+2.5	+2.0	+1.4	+2.3	+2.2
노원구	17.1	18.2	18.9	18.7	19.1	18.9	18.9	19.1	18.8	18.5	18.9	18.9
		+1.1	+1.8	+1.6	+2.0	+1.8	+1.8	+2.0	+1.7	+1.4	+1.8	+1.8
도봉구	18.3	19.6	20.1	19.9	20.4	20.3	20.3	20.4	20.0	19.8	20.2	20.2
		+1.3	+1.8	+1.6	+2.1	+2.0	+2.0	+2.1	+1.7	+1.5	+1.9	+1.9
동대문구	17.1	18.1	19.0	18.9	19.5	19.1	19.3	19.4	18.9	18.5	19.2	19.2
		+1.0	+1.9	+1.8	+2.4	+2.0	+2.2	+2.3	+1.8	+1.4	+2.1	+2.1
동작구	16.6	17.4	18.5	18.4	19.1	18.7	18.8	19.2	18.4	18.0	18.8	18.8
		+0.8	+1.9	+1.8	+2.5	+2.1	+2.2	+2.6	+1.8	+1.4	+2.2	+2.2
마포구	16.8	17.8	18.7	18.5	19.2	18.8	19.1	19.2	18.7	18.3	18.8	19.0
		+1.0	+1.9	+1.7	+2.4	+2.0	+2.3	+2.4	+1.9	+1.5	+2.0	+2.2
서대문구	16.7	17.8	18.5	18.4	19.0	18.7	18.9	19.1	18.6	18.1	18.7	18.8
		+1.1	+1.8	+1.7	+2.3	+2.0	+2.2	+2.4	+1.9	+1.4	+2.0	+2.1
서초구	16.7	17.6	18.8	18.5	19.3	18.9	18.9	19.2	18.6	18.2	18.9	18.9
		+0.9	+2.1	+1.8	+2.6	+2.2	+2.2	+2.5	+1.9	+1.5	+2.2	+2.2
성동구	16.9	17.8	18.8	18.6	19.3	18.8	19.1	19.3	18.7	18.3	19.0	19.0
		+0.9	+1.9	+1.7	+2.4	+1.9	+2.2	+2.4	+1.8	+1.4	+2.1	+2.1
성북구	17.2	18.3	19.1	19.0	19.4	19.3	19.4	19.5	19.0	18.7	19.2	19.3
		+1.1	+1.9	+1.8	+2.2	+2.1	+2.2	+2.3	+1.8	+1.5	+2.0	+2.1
송파구	16.9	17.8	19.0	18.6	19.4	19.0	19.0	19.2	18.8	18.4	19.0	19.0
		+0.9	+2.1	+1.7	+2.5	+2.1	+2.1	+2.3	+1.9	+1.5	+2.1	+2.1
양천구	16.6	17.6	18.5	18.5	19.3	18.7	19.2	19.2	18.6	18.1	18.9	18.9
		+1.0	+1.9	+1.9	+2.7	+2.1	+2.6	+2.6	+2.0	+1.5	+2.3	+2.3
영등포구	16.8	17.8	18.8	18.7	19.6	19.0	19.2	19.5	18.8	18.3	19.1	19.1
		+1.0	+2.0	+1.9	+2.8	+2.2	+2.4	+2.7	+2.0	+1.5	+2.3	+2.3
용산구	16.2	17.2	18.1	17.9	18.6	18.1	18.4	18.7	18.1	17.6	18.2	18.4
		+1.0	+1.9	+1.7	+2.4	+1.9	+2.2	+2.5	+1.9	+1.4	+2.0	+2.2
은평구	16.8	17.9	18.6	18.4	19.0	18.7	19.1	19.2	18.6	18.3	18.7	18.9
		+1.1	+1.8	+1.6	+2.2	+1.9	+2.3	+2.4	+1.8	+1.5	+1.9	+2.1
종로구	16.7	17.7	18.5	18.4	18.9	18.6	18.8	19.0	18.5	18.1	18.6	18.7
		+1.0	+1.8	+1.7	+2.2	+1.9	+2.1	+2.3	+1.8	+1.4	+1.9	+2.0
중구	16.6	17.6	18.4	18.3	18.9	18.4	18.8	18.9	18.4	18.0	18.6	18.7
		+1.0	+1.8	+1.7	+2.3	+1.8	+2.2	+2.3	+1.8	+1.4	+2.0	+2.1
종량구	17.2	18.2	19.1	18.8	19.4	19.1	19.2	19.3	18.9	18.6	19.1	19.1
		+1.0	+1.9	+1.6	+2.2	+1.9	+2.0	+2.1	+1.7	+1.4	+1.9	+1.9



표 4-102. 서울특별시의 강수강도 21세기 전망과 현재 기후 값 대비 편차(mm/일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	16.9	19.7	19.5	19.8	18.9	19.8	20.2	19.5	20.6	19.6	19.3	20.0
		+2.8	+2.6	+2.9	+2.0	+2.9	+3.3	+2.6	+3.7	+2.7	+2.4	+3.1
강남구	17.0	19.8	19.3	20.2	18.9	19.7	20.4	19.6	20.7	19.5	19.5	20.2
		+2.8	+2.3	+3.2	+1.9	+2.7	+3.4	+2.6	+3.7	+2.5	+2.5	+3.2
강동구	16.9	19.6	19.2	20.0	18.9	19.7	20.1	19.3	20.3	19.4	19.4	19.8
		+2.7	+2.3	+3.1	+2.0	+2.8	+3.2	+2.4	+3.4	+2.5	+2.5	+2.9
강북구	17.7	20.7	20.6	20.6	19.7	20.6	21.0	20.2	21.3	20.6	20.1	20.8
		+3.0	+2.9	+2.9	+2.0	+2.9	+3.3	+2.5	+3.6	+2.9	+2.4	+3.1
강서구	16.5	19.5	19.4	19.5	18.6	19.7	20.3	19.4	20.8	19.5	19.0	20.1
		+3.0	+2.9	+3.0	+2.1	+3.2	+3.8	+2.9	+4.3	+3.0	+2.5	+3.6
관악구	16.7	19.5	19.1	19.6	18.7	19.4	20.0	19.3	20.6	19.3	19.2	19.9
		+2.8	+2.4	+2.9	+2.0	+2.7	+3.3	+2.6	+3.9	+2.6	+2.5	+3.2
광진구	17.1	19.7	19.5	20.1	19.0	19.9	20.5	19.6	20.7	19.6	19.5	20.1
		+2.6	+2.4	+3.0	+1.9	+2.8	+3.4	+2.5	+3.6	+2.5	+2.4	+3.0
구로구	16.6	19.5	19.3	19.6	18.7	19.7	20.1	19.5	20.7	19.4	19.2	20.1
		+2.9	+2.7	+3.0	+2.1	+3.1	+3.5	+2.9	+4.1	+2.8	+2.6	+3.5
금천구	16.7	19.6	19.2	19.7	18.9	19.6	20.3	19.5	20.6	19.4	19.3	20.0
		+2.9	+2.5	+3.0	+2.2	+2.9	+3.6	+2.8	+3.9	+2.7	+2.6	+3.3
노원구	17.1	20.0	19.7	19.8	19.0	19.9	20.3	19.4	20.4	19.9	19.4	19.9
		+2.9	+2.6	+2.7	+1.9	+2.8	+3.2	+2.3	+3.3	+2.8	+2.3	+2.8
도봉구	18.3	21.4	21.2	20.9	20.3	21.1	21.6	20.7	21.8	21.3	20.6	21.2
		+3.1	+2.9	+2.6	+2.0	+2.8	+3.3	+2.4	+3.5	+3.0	+2.3	+2.9
동대문구	17.1	19.7	19.7	20.1	19.0	20.0	20.5	19.6	20.7	19.7	19.5	20.2
		+2.6	+2.6	+3.0	+1.9	+2.9	+3.4	+2.5	+3.6	+2.6	+2.4	+3.1
동작구	16.6	19.4	19.0	19.6	18.6	19.3	19.9	19.2	20.4	19.2	19.1	19.8
		+2.8	+2.4	+3.0	+2.0	+2.7	+3.3	+2.6	+3.8	+2.6	+2.5	+3.2
마포구	16.8	19.5	19.4	19.7	18.7	19.7	20.1	19.5	20.6	19.5	19.2	20.1
		+2.7	+2.6	+2.9	+1.9	+2.9	+3.3	+2.7	+3.8	+2.7	+2.4	+3.3
서대문구	16.7	19.5	19.4	19.5	18.6	19.7	20.0	19.3	20.4	19.4	19.1	19.9
		+2.8	+2.7	+2.8	+1.9	+3.0	+3.3	+2.6	+3.7	+2.7	+2.4	+3.2
서초구	16.7	19.6	19.0	19.9	18.6	19.5	20.0	19.4	20.5	19.3	19.2	19.9
		+2.9	+2.3	+3.2	+1.9	+2.8	+3.3	+2.7	+3.8	+2.6	+2.5	+3.2
성동구	16.9	19.5	19.4	19.9	18.8	19.7	20.2	19.4	20.5	19.4	19.3	20.0
		+2.6	+2.5	+3.0	+1.9	+2.8	+3.3	+2.5	+3.6	+2.5	+2.4	+3.1
성북구	17.2	20.0	19.9	20.1	19.2	20.1	20.5	19.7	20.9	19.9	19.7	20.3
		+2.8	+2.7	+2.9	+2.0	+2.9	+3.3	+2.5	+3.7	+2.7	+2.5	+3.1
송파구	16.9	19.6	19.2	20.0	18.9	19.6	20.2	19.4	20.5	19.4	19.5	20.0
		+2.7	+2.3	+3.1	+2.0	+2.7	+3.3	+2.5	+3.6	+2.5	+2.6	+3.1
양천구	16.6	19.5	19.4	19.5	18.7	19.7	20.2	19.5	20.8	19.4	19.1	20.1
		+2.9	+2.8	+2.9	+2.1	+3.1	+3.6	+2.9	+4.2	+2.8	+2.5	+3.5
영등포구	16.8	19.7	19.5	19.8	18.9	19.8	20.2	19.7	20.8	19.6	19.4	20.2
		+2.9	+2.7	+3.0	+2.1	+3.0	+3.4	+2.9	+4.0	+2.8	+2.6	+3.4
용산구	16.2	18.8	18.6	19.1	18.1	18.9	19.4	18.7	19.9	18.7	18.6	19.3
		+2.6	+2.4	+2.9	+1.9	+2.7	+3.2	+2.5	+3.7	+2.5	+2.4	+3.1
은평구	16.8	19.6	19.5	19.5	18.7	19.8	20.1	19.4	20.5	19.5	19.1	19.9
		+2.8	+2.7	+2.7	+1.9	+3.0	+3.3	+2.6	+3.7	+2.7	+2.3	+3.1
종로구	16.7	19.4	19.3	19.5	18.6	19.5	19.8	19.3	20.4	19.3	19.1	19.8
		+2.7	+2.6	+2.8	+1.9	+2.8	+3.1	+2.6	+3.7	+2.6	+2.4	+3.1
중구	16.6	19.1	19.1	19.5	18.5	19.4	19.8	19.1	20.3	19.1	19.0	19.7
		+2.5	+2.5	+2.9	+1.9	+2.8	+3.2	+2.5	+3.7	+2.5	+2.4	+3.1
종랑구	17.2	19.8	19.7	20.1	19.0	20.0	20.5	19.5	20.5	19.8	19.6	20.0
		+2.6	+2.5	+2.9	+1.8	+2.8	+3.3	+2.3	+3.3	+2.6	+2.4	+2.8

표 4-103. 서울특별시의 강수강도 21세기 전망과 현재 기후 값 대비 편차(mm/일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	16.9	18.0	19.6	17.8	19.9	21.3	20.5	20.9	20.2	18.8	18.8	20.6
		+1.1	+2.7	+0.9	+3.0	+4.4	+3.6	+4.0	+3.3	+1.9	+1.9	+3.7
강남구	17.0	18.0	19.7	17.8	19.8	21.3	20.6	20.9	20.3	18.8	18.8	20.6
		+1.0	+2.7	+0.8	+2.8	+4.3	+3.6	+3.9	+3.3	+1.8	+1.8	+3.6
강동구	16.9	17.9	19.6	17.7	19.5	21.2	20.4	20.7	19.8	18.8	18.6	20.3
		+1.0	+2.7	+0.8	+2.6	+4.3	+3.5	+3.8	+2.9	+1.9	+1.7	+3.4
강북구	17.7	18.9	20.5	18.5	20.9	22.3	21.3	21.9	20.9	19.7	19.7	21.4
		+1.2	+2.8	+0.8	+3.2	+4.6	+3.6	+4.2	+3.2	+2.0	+2.0	+3.7
강서구	16.5	17.8	19.3	17.7	20.1	21.2	20.4	20.8	20.3	18.6	18.9	20.5
		+1.3	+2.8	+1.2	+3.6	+4.7	+3.9	+4.3	+3.8	+2.1	+2.4	+4.0
관악구	16.7	17.7	19.2	17.6	19.5	21.0	20.4	20.7	20.3	18.4	18.6	20.5
		+1.0	+2.5	+0.9	+2.8	+4.3	+3.7	+4.0	+3.6	+1.7	+1.9	+3.8
광진구	17.1	18.1	19.9	17.9	20.0	21.5	20.7	21.0	20.2	19.0	18.9	20.6
		+1.0	+2.8	+0.8	+2.9	+4.4	+3.6	+3.9	+3.1	+1.9	+1.8	+3.5
구로구	16.6	17.8	19.3	17.8	19.8	21.2	20.5	20.9	20.3	18.6	18.8	20.6
		+1.2	+2.7	+1.2	+3.2	+4.6	+3.9	+4.3	+3.7	+2.0	+2.2	+4.0
금천구	16.7	17.8	19.4	17.7	19.8	21.2	20.6	20.9	20.4	18.6	18.7	20.7
		+1.1	+2.7	+1.0	+3.1	+4.5	+3.9	+4.2	+3.7	+1.9	+2.0	+4.0
노원구	17.1	18.2	19.8	17.8	20.1	21.5	20.5	21.0	20.1	19.0	19.0	20.5
		+1.1	+2.7	+0.7	+3.0	+4.4	+3.4	+3.9	+3.0	+1.9	+1.9	+3.4
도봉구	18.3	19.5	21.1	19.0	21.5	22.9	21.9	22.6	21.4	20.3	20.3	22.0
		+1.2	+2.8	+0.7	+3.2	+4.6	+3.6	+4.3	+3.1	+2.0	+2.0	+3.7
동대문구	17.1	18.3	19.9	17.9	20.1	21.6	20.6	21.0	20.3	19.1	19.0	20.7
		+1.2	+2.8	+0.8	+3.0	+4.5	+3.5	+3.9	+3.2	+2.0	+1.9	+3.6
동작구	16.6	17.6	19.2	17.5	19.4	20.9	20.3	20.4	20.1	18.4	18.4	20.2
		+1.0	+2.6	+0.9	+2.8	+4.3	+3.7	+3.8	+3.5	+1.8	+1.8	+3.6
마포구	16.8	17.8	19.5	17.8	19.9	21.2	20.3	20.8	20.4	18.7	18.8	20.6
		+1.0	+2.7	+1.0	+3.1	+4.4	+3.5	+4.0	+3.6	+1.9	+2.0	+3.8
서대문구	16.7	17.8	19.4	17.7	19.8	21.0	20.2	20.7	20.0	18.6	18.7	20.3
		+1.1	+2.7	+1.0	+3.1	+4.3	+3.5	+4.0	+3.3	+1.9	+2.0	+3.6
서초구	16.7	17.7	19.4	17.6	19.5	21.0	20.4	20.5	20.0	18.6	18.6	20.3
		+1.0	+2.7	+0.9	+2.8	+4.3	+3.7	+3.8	+3.3	+1.9	+1.9	+3.6
성동구	16.9	18.0	19.6	17.8	19.8	21.3	20.4	20.8	20.2	18.8	18.8	20.5
		+1.1	+2.7	+0.9	+2.9	+4.4	+3.5	+3.9	+3.3	+1.9	+1.9	+3.6
성북구	17.2	18.3	20.0	18.0	20.2	21.6	20.8	21.3	20.5	19.2	19.1	20.9
		+1.1	+2.8	+0.8	+3.0	+4.4	+3.6	+4.1	+3.3	+2.0	+1.9	+3.7
송파구	16.9	17.8	19.6	17.8	19.6	21.1	20.4	20.8	19.9	18.7	18.7	20.3
		+0.9	+2.7	+0.9	+2.7	+4.2	+3.5	+3.9	+3.0	+1.8	+1.8	+3.4
양천구	16.6	17.7	19.4	17.8	19.9	21.2	20.5	20.8	20.4	18.5	18.8	20.6
		+1.1	+2.8	+1.2	+3.3	+4.6	+3.9	+4.2	+3.8	+1.9	+2.2	+4.0
영등포구	16.8	17.9	19.6	17.9	19.9	21.4	20.7	20.9	20.6	18.8	18.9	20.8
		+1.1	+2.8	+1.1	+3.1	+4.6	+3.9	+4.1	+3.8	+2.0	+2.1	+4.0
용산구	16.2	17.2	18.8	17.1	19.0	20.5	19.7	19.9	19.6	18.0	18.0	19.7
		+1.0	+2.6	+0.9	+2.8	+4.3	+3.5	+3.7	+3.4	+1.8	+1.8	+3.5
은평구	16.8	17.9	19.3	17.7	20.1	21.2	20.2	20.8	20.0	18.6	18.9	20.4
		+1.1	+2.5	+0.9	+3.3	+4.4	+3.4	+4.0	+3.2	+1.8	+2.1	+3.6
종로구	16.7	17.8	19.4	17.6	19.6	21.0	20.2	20.6	19.9	18.6	18.6	20.2
		+1.1	+2.7	+0.9	+2.9	+4.3	+3.5	+3.9	+3.2	+1.9	+1.9	+3.5
중구	16.6	17.7	19.3	17.5	19.4	20.9	20.1	20.4	19.8	18.5	18.4	20.1
		+1.1	+2.7	+0.9	+2.8	+4.3	+3.5	+3.8	+3.2	+1.9	+1.8	+3.5
종량구	17.2	18.3	20.0	17.9	20.0	21.7	20.6	21.0	20.2	19.2	18.9	20.6
		+1.1	+2.8	+0.7	+2.8	+4.5	+3.4	+3.8	+3.0	+2.0	+1.7	+3.4

표 4-104. 서울특별시의 강수강도 21세기 전망과 현재 기후 값 대비 편차(mm/일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	16.9	18.7	17.7	18.7	19.2	19.0	20.4	20.3	20.5	18.2	19.0	20.4
		+1.8	+0.8	+1.8	+2.3	+2.1	+3.5	+3.4	+3.6	+1.3	+2.1	+3.5
강남구	17.0	18.7	17.6	18.7	19.3	19.0	20.4	20.5	20.5	18.2	19.0	20.5
		+1.7	+0.6	+1.7	+2.3	+2.0	+3.4	+3.5	+3.5	+1.2	+2.0	+3.5
강동구	16.9	18.6	17.6	18.6	18.9	18.6	20.2	20.2	20.3	18.1	18.7	20.2
		+1.7	+0.7	+1.7	+2.0	+1.7	+3.3	+3.3	+3.4	+1.2	+1.8	+3.3
강북구	17.7	19.6	18.6	19.6	20.0	19.9	21.5	21.0	21.3	19.1	19.8	21.1
		+1.9	+0.9	+1.9	+2.3	+2.2	+3.8	+3.3	+3.6	+1.4	+2.1	+3.4
강서구	16.5	18.6	17.6	18.5	19.1	19.1	20.3	20.4	20.5	18.1	18.8	20.5
		+2.1	+1.1	+2.0	+2.6	+2.6	+3.8	+3.9	+4.0	+1.6	+2.3	+4.0
관악구	16.7	18.5	17.5	18.4	19.1	19.1	20.3	20.3	20.3	18.0	18.8	20.3
		+1.8	+0.8	+1.7	+2.4	+2.4	+3.6	+3.6	+3.6	+1.3	+2.1	+3.6
광진구	17.1	18.8	17.7	18.8	19.2	19.0	20.5	20.5	20.5	18.2	19.0	20.5
		+1.7	+0.6	+1.7	+2.1	+1.9	+3.4	+3.4	+3.4	+1.1	+1.9	+3.4
구로구	16.6	18.5	17.7	18.6	19.2	19.1	20.4	20.5	20.6	18.1	18.9	20.5
		+1.9	+1.1	+2.0	+2.6	+2.5	+3.8	+3.9	+4.0	+1.5	+2.3	+3.9
금천구	16.7	18.7	17.6	18.6	19.2	19.4	20.4	20.3	20.5	18.1	18.9	20.4
		+2.0	+0.9	+1.9	+2.5	+2.7	+3.7	+3.6	+3.8	+1.4	+2.2	+3.7
노원구	17.1	18.8	18.0	18.8	19.2	19.1	20.6	20.1	20.3	18.4	19.0	20.2
		+1.7	+0.9	+1.7	+2.1	+2.0	+3.5	+3.0	+3.2	+1.3	+1.9	+3.1
도봉구	18.3	20.2	19.2	20.3	20.5	20.5	22.1	21.6	21.9	19.7	20.4	21.7
		+1.9	+0.9	+2.0	+2.2	+2.2	+3.8	+3.3	+3.6	+1.4	+2.1	+3.4
동대문구	17.1	18.9	17.8	19.0	19.3	19.1	20.6	20.4	20.6	18.4	19.1	20.5
		+1.8	+0.7	+1.9	+2.2	+2.0	+3.5	+3.3	+3.5	+1.3	+2.0	+3.4
동작구	16.6	18.3	17.4	18.3	19.0	18.9	20.1	20.2	20.2	17.8	18.7	20.2
		+1.7	+0.8	+1.7	+2.4	+2.3	+3.5	+3.6	+3.6	+1.2	+2.1	+3.6
마포구	16.8	18.5	17.6	18.6	19.2	19.0	20.3	20.4	20.5	18.0	18.9	20.4
		+1.7	+0.8	+1.8	+2.4	+2.2	+3.5	+3.6	+3.7	+1.2	+2.1	+3.6
서대문구	16.7	18.4	17.6	18.5	19.1	18.8	20.1	20.1	20.3	18.0	18.8	20.2
		+1.7	+0.9	+1.8	+2.4	+2.1	+3.4	+3.4	+3.6	+1.3	+2.1	+3.5
서초구	16.7	18.4	17.4	18.4	19.0	18.9	20.2	20.3	20.3	17.9	18.7	20.3
		+1.7	+0.7	+1.7	+2.3	+2.2	+3.5	+3.6	+3.6	+1.2	+2.0	+3.6
성동구	16.9	18.6	17.6	18.8	19.1	18.8	20.3	20.3	20.3	18.1	18.9	20.3
		+1.7	+0.7	+1.9	+2.2	+1.9	+3.4	+3.4	+3.4	+1.2	+2.0	+3.4
성북구	17.2	19.0	18.0	19.0	19.5	19.2	20.9	20.5	20.7	18.5	19.3	20.6
		+1.8	+0.8	+1.8	+2.3	+2.0	+3.7	+3.3	+3.5	+1.3	+2.1	+3.4
송파구	16.9	18.5	17.5	18.5	19.1	18.7	20.2	20.2	20.5	18.0	18.8	20.4
		+1.6	+0.6	+1.6	+2.2	+1.8	+3.3	+3.3	+3.6	+1.1	+1.9	+3.5
양천구	16.6	18.5	17.7	18.5	19.2	19.1	20.4	20.5	20.6	18.1	18.8	20.6
		+1.9	+1.1	+1.9	+2.6	+2.5	+3.8	+3.9	+4.0	+1.5	+2.2	+4.0
영등포구	16.8	18.8	17.8	18.7	19.5	19.2	20.5	20.6	20.6	18.3	19.1	20.6
		+2.0	+1.0	+1.9	+2.7	+2.4	+3.7	+3.8	+3.8	+1.5	+2.3	+3.8
용산구	16.2	17.9	17.0	18.0	18.5	18.2	19.6	19.6	19.7	17.4	18.2	19.6
		+1.7	+0.8	+1.8	+2.3	+2.0	+3.4	+3.4	+3.5	+1.2	+2.0	+3.4
은평구	16.8	18.6	17.6	18.5	19.0	19.0	20.3	20.2	20.4	18.1	18.8	20.3
		+1.8	+0.8	+1.7	+2.2	+2.2	+3.5	+3.4	+3.6	+1.3	+2.0	+3.5
종로구	16.7	18.4	17.5	18.4	19.0	18.7	20.1	20.0	20.2	18.0	18.7	20.1
		+1.7	+0.8	+1.7	+2.3	+2.0	+3.4	+3.3	+3.5	+1.3	+2.0	+3.4
중구	16.6	18.2	17.3	18.4	18.9	18.5	20.0	19.9	20.1	17.8	18.6	20.0
		+1.6	+0.7	+1.8	+2.3	+1.9	+3.4	+3.3	+3.5	+1.2	+2.0	+3.4
종랑구	17.2	18.9	18.0	19.0	19.3	19.0	20.6	20.3	20.5	18.4	19.1	20.4
		+1.7	+0.8	+1.8	+2.1	+1.8	+3.4	+3.1	+3.3	+1.2	+1.9	+3.2

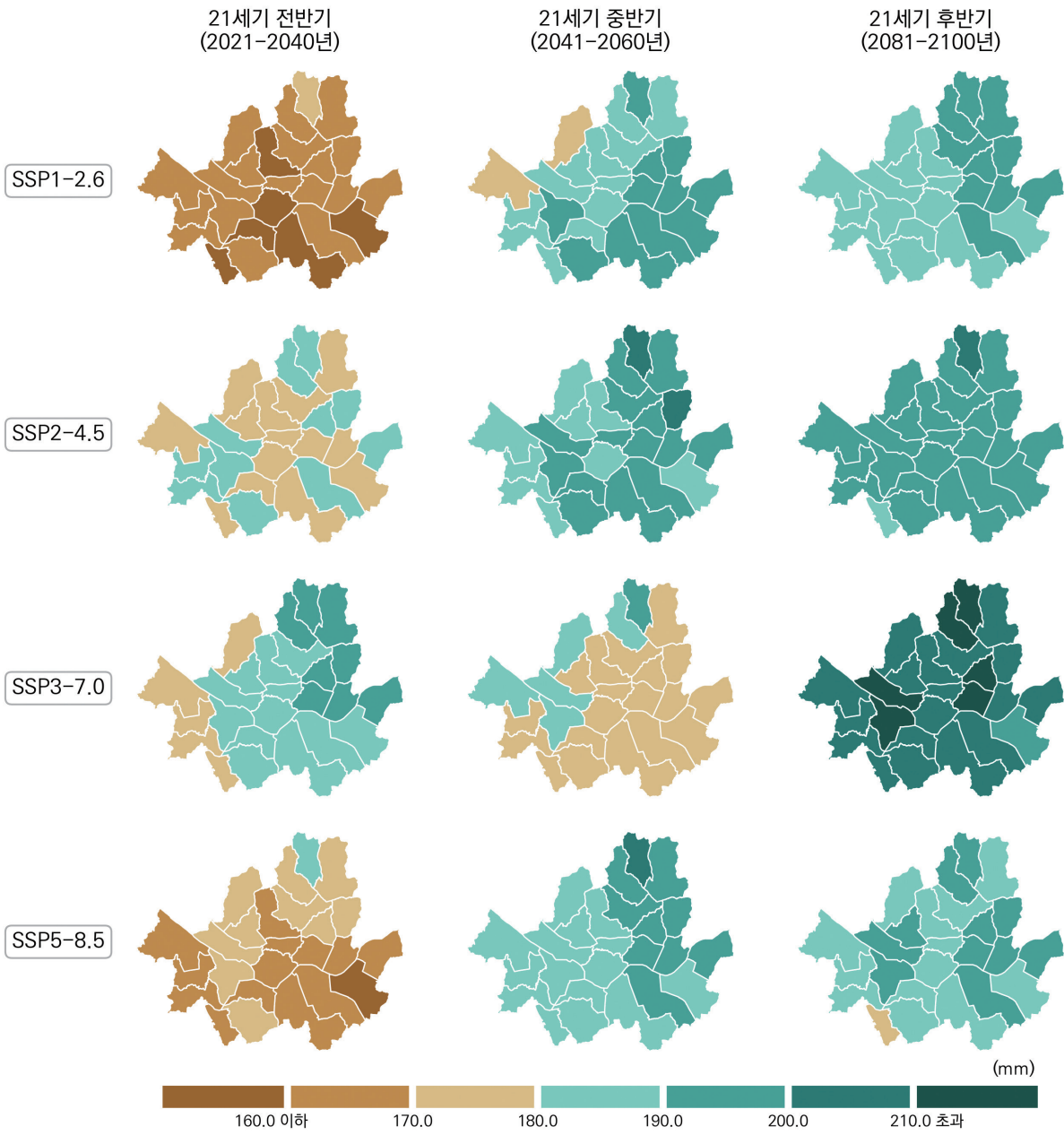


그림 4-36. 서울특별시의 1일최다강수량(mm) 전망 분포도

표 4-105. 서울특별시의 1일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	139.7	159.0 +19.3	166.7 +27.0	187.8 +48.1	188.4 +48.7	171.8 +32.1	189.1 +49.4	190.1 +50.4	188.5 +48.8	162.9 +23.2	188.1 +48.4	189.3 +49.6
강남구	144.1	156.8 +12.7	167.3 +23.2	196.1 +52.0	195.8 +51.7	182.3 +38.2	193.0 +48.9	191.4 +47.3	192.8 +48.7	162.1 +18.0	195.9 +51.8	192.1 +48.0
강동구	145.8	155.7 +9.9	167.5 +21.7	192.7 +46.9	197.3 +51.5	179.1 +33.3	192.1 +46.3	188.9 +43.1	193.6 +47.8	161.6 +15.8	195.0 +49.2	191.3 +45.5
강북구	141.8	170.2 +28.4	167.4 +25.6	184.5 +42.7	188.0 +46.2	175.5 +33.7	191.4 +49.6	197.7 +55.9	192.6 +50.8	168.8 +27.0	186.3 +44.5	195.2 +53.4
강서구	133.9	156.6 +22.7	172.1 +38.2	178.7 +44.8	180.3 +46.4	157.7 +23.8	183.3 +49.4	187.0 +53.1	179.8 +45.9	164.4 +30.5	179.5 +45.6	183.4 +49.5
관악구	139.6	157.5 +17.9	164.8 +25.2	192.2 +52.6	190.9 +51.3	172.3 +32.7	189.8 +50.2	188.4 +48.8	187.0 +47.4	161.1 +21.5	191.5 +51.9	187.7 +48.1
광진구	143.4	156.8 +13.4	170.3 +26.9	192.9 +49.5	195.8 +52.4	179.6 +36.2	193.9 +50.5	190.9 +47.5	191.9 +48.5	163.5 +20.1	194.3 +50.9	191.4 +48.0
구로구	134.6	155.5 +20.9	166.2 +31.6	186.5 +51.9	184.6 +50.0	166.3 +31.7	185.5 +50.9	188.4 +53.8	180.2 +45.6	160.9 +26.3	185.6 +51.0	184.3 +49.7
금천구	137.0	153.6 +16.6	162.8 +25.8	189.0 +52.0	189.7 +52.7	169.7 +32.7	189.1 +52.1	184.2 +47.2	184.3 +47.3	158.2 +21.2	189.3 +52.3	184.2 +47.2
노원구	138.9	163.5 +24.6	165.0 +26.1	178.3 +39.4	186.7 +47.8	174.0 +35.1	185.0 +46.1	192.6 +53.7	189.5 +50.6	164.3 +25.4	182.5 +43.6	191.1 +52.2
도봉구	144.2	175.4 +31.2	175.3 +31.1	186.7 +42.5	196.3 +52.1	178.8 +34.6	199.7 +55.5	201.2 +57.0	195.4 +51.2	175.3 +31.1	191.5 +47.3	198.3 +54.1
동대문구	143.4	162.1 +18.7	168.2 +24.8	190.5 +47.1	192.5 +49.1	180.3 +36.9	194.3 +50.9	193.1 +49.7	194.2 +50.8	165.1 +21.7	191.5 +48.1	193.7 +50.3
동작구	139.7	154.5 +14.8	164.9 +25.2	190.1 +50.4	187.6 +47.9	172.3 +32.6	186.8 +47.1	188.6 +48.9	185.4 +45.7	159.7 +20.0	188.9 +49.2	187.0 +47.3
마포구	138.1	160.8 +22.7	169.7 +31.6	188.8 +50.7	186.6 +48.5	163.8 +25.7	189.0 +50.9	190.1 +52.0	189.0 +50.9	165.3 +27.2	187.7 +49.6	189.5 +51.4
서대문구	135.5	159.6 +24.1	164.8 +29.3	185.2 +49.7	182.1 +46.6	161.5 +26.0	186.0 +50.5	187.2 +51.7	189.0 +53.5	162.2 +26.7	183.7 +48.2	188.1 +52.6
서초구	142.2	153.8 +11.6	163.4 +21.2	193.0 +50.8	190.5 +48.3	178.6 +36.4	188.8 +46.6	187.7 +45.5	188.4 +46.2	158.6 +16.4	191.7 +49.5	188.0 +45.8
성동구	143.0	158.2 +15.2	167.1 +24.1	191.2 +48.2	190.6 +47.6	176.5 +33.5	192.5 +49.5	192.0 +49.0	190.6 +47.6	162.7 +19.7	190.9 +47.9	191.3 +48.3
성북구	139.3	161.1 +21.8	164.7 +25.4	185.0 +45.7	184.2 +44.9	174.5 +35.2	186.6 +47.3	191.0 +51.7	191.0 +51.7	162.9 +23.6	184.6 +45.3	191.0 +51.7
송파구	141.6	154.1 +12.5	163.7 +22.1	192.0 +50.4	191.8 +50.2	177.1 +35.5	188.3 +46.7	188.4 +46.8	188.2 +46.6	158.9 +17.3	191.9 +50.3	188.3 +46.7
양천구	133.8	157.6 +23.8	170.1 +36.3	183.3 +49.5	182.1 +48.3	160.9 +27.1	185.3 +51.5	187.6 +53.8	180.9 +47.1	163.9 +30.1	182.7 +48.9	184.3 +50.5
영등포구	139.8	158.2 +18.4	169.3 +29.5	190.7 +50.9	190.6 +50.8	169.7 +29.9	188.7 +48.9	191.1 +51.3	186.4 +46.6	163.7 +23.9	190.6 +50.8	188.8 +49.0
용산구	138.3	153.9 +15.6	164.4 +26.1	186.4 +48.1	184.4 +46.1	167.8 +29.5	184.6 +46.3	187.6 +49.3	183.2 +44.9	159.2 +20.9	185.4 +47.1	185.4 +47.1
은평구	133.5	162.7 +29.2	165.2 +31.7	177.8 +44.3	179.8 +46.3	157.3 +23.8	185.0 +51.5	187.7 +54.2	186.8 +53.3	164.0 +30.5	178.8 +45.3	187.3 +53.8
종로구	136.0	157.1 +21.1	161.7 +25.7	185.3 +49.3	181.3 +45.3	167.6 +31.6	184.8 +48.8	187.6 +51.6	188.2 +52.2	159.4 +23.4	183.3 +47.3	187.9 +51.9
중구	139.6	155.9 +16.3	164.7 +25.1	187.2 +47.6	185.1 +45.5	169.7 +30.1	186.8 +47.2	189.0 +49.4	186.6 +47.0	160.3 +20.7	186.1 +46.5	187.8 +48.2
중랑구	145.0	164.3 +19.3	167.9 +22.9	190.5 +45.5	194.4 +49.4	182.8 +37.8	197.4 +52.4	193.6 +48.6	196.6 +51.6	166.1 +21.1	192.4 +47.4	195.1 +50.1

표 4-106. 서울특별시의 1일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	139.7	180.1	179.6	206.6	176.6	179.3	186.4	186.1	202.9	179.9	191.6	194.5
		+40.4	+39.9	+66.9	+36.9	+39.6	+46.7	+46.4	+63.2	+40.2	+51.9	+54.8
강남구	144.1	180.7	181.0	214.6	174.9	176.8	188.5	190.0	203.8	180.8	194.8	196.9
		+36.6	+36.9	+70.5	+30.8	+32.7	+44.4	+45.9	+59.7	+36.7	+50.7	+52.8
강동구	145.8	181.6	180.5	212.3	174.4	179.0	186.4	189.8	200.6	181.1	193.3	195.2
		+35.8	+34.7	+66.5	+28.6	+33.2	+40.6	+44.0	+54.8	+35.3	+47.5	+49.4
강북구	141.8	189.7	177.7	206.4	189.0	190.8	198.8	189.8	202.6	183.7	197.7	196.2
		+47.9	+35.9	+64.6	+47.2	+49.0	+57.0	+48.0	+60.8	+41.9	+55.9	+54.4
강서구	133.9	176.3	182.2	197.1	169.2	179.6	183.2	182.8	208.4	179.2	183.1	195.6
		+42.4	+48.3	+63.2	+35.3	+45.7	+49.3	+48.9	+74.5	+45.3	+49.2	+61.7
관악구	139.6	179.7	183.1	208.9	174.2	173.0	182.8	184.9	203.4	181.4	191.6	194.1
		+40.1	+43.5	+69.3	+34.6	+33.4	+43.2	+45.3	+63.8	+41.8	+52.0	+54.5
광진구	143.4	178.8	180.5	212.8	172.8	179.6	189.4	188.9	201.9	179.6	192.8	195.4
		+35.4	+37.1	+69.4	+29.4	+36.2	+46.0	+45.5	+58.5	+36.2	+49.4	+52.0
구로구	134.6	177.1	183.4	200.8	171.5	175.9	180.2	182.2	204.4	180.3	186.1	193.3
		+42.5	+48.8	+66.2	+36.9	+41.3	+45.6	+47.6	+69.8	+45.7	+51.5	+58.7
금천구	137.0	176.7	182.3	199.0	171.5	170.0	179.4	179.6	196.0	179.5	185.3	187.8
		+39.7	+45.3	+62.0	+34.5	+33.0	+42.4	+42.6	+59.0	+42.5	+48.3	+50.8
노원구	138.9	188.3	169.6	199.8	184.8	185.2	193.4	184.5	195.8	178.9	192.3	190.1
		+49.4	+30.7	+60.9	+45.9	+46.3	+54.5	+45.6	+56.9	+40.0	+53.4	+51.2
도봉구	144.2	198.5	177.6	211.3	196.8	197.6	206.5	190.1	210.5	188.0	204.1	200.3
		+54.3	+33.4	+67.1	+52.6	+53.4	+62.3	+45.9	+66.3	+43.8	+59.9	+56.1
동대문구	143.4	184.4	179.1	214.0	181.9	182.1	191.9	187.7	202.4	181.7	198.0	195.0
		+41.0	+35.7	+70.6	+38.5	+38.7	+48.5	+44.3	+59.0	+38.3	+54.6	+51.6
동작구	139.7	175.2	182.1	208.0	174.1	174.3	180.5	183.3	206.5	178.6	191.1	194.9
		+35.5	+42.4	+68.3	+34.4	+34.6	+40.8	+43.6	+66.8	+38.9	+51.4	+55.2
마포구	138.1	178.8	184.2	205.7	175.4	180.8	182.2	188.8	209.5	181.5	190.5	199.1
		+40.7	+46.1	+67.6	+37.3	+42.7	+44.1	+50.7	+71.4	+43.4	+52.4	+61.0
서대문구	135.5	177.7	180.6	201.3	174.0	180.0	183.5	188.4	203.8	179.2	187.6	196.1
		+42.2	+45.1	+65.8	+38.5	+44.5	+48.0	+52.9	+68.3	+43.7	+52.1	+60.6
서초구	142.2	176.4	179.7	210.3	171.5	174.7	184.1	186.3	202.9	178.1	190.9	194.6
		+34.2	+37.5	+68.1	+29.3	+32.5	+41.9	+44.1	+60.7	+35.9	+48.7	+52.4
성동구	143.0	178.8	178.9	214.1	175.5	179.8	187.4	187.1	204.2	178.8	194.8	195.6
		+35.8	+35.9	+71.1	+32.5	+36.8	+44.4	+44.1	+61.2	+35.8	+51.8	+52.6
성북구	139.3	181.5	175.9	204.8	182.2	183.4	191.4	185.9	199.3	178.7	193.5	192.6
		+42.2	+36.6	+65.5	+42.9	+44.1	+52.1	+46.6	+60.0	+39.4	+54.2	+53.3
송파구	141.6	176.9	177.6	205.9	172.9	172.0	182.3	185.6	196.6	177.3	189.4	191.1
		+35.3	+36.0	+64.3	+31.3	+30.4	+40.7	+44.0	+55.0	+35.7	+47.8	+49.5
양천구	133.8	176.3	185.8	200.2	171.5	177.9	181.9	182.4	207.4	181.1	185.8	194.9
		+42.5	+52.0	+66.4	+37.7	+44.1	+48.1	+48.6	+73.6	+47.3	+52.0	+61.1
영등포구	139.8	178.6	187.1	208.5	178.3	178.2	181.5	185.9	210.9	182.9	193.4	198.4
		+38.8	+47.3	+68.7	+38.5	+38.4	+41.7	+46.1	+71.1	+43.1	+53.6	+58.6
용산구	138.3	171.3	175.5	205.9	168.8	173.6	180.1	181.8	203.6	173.4	187.3	192.7
		+33.0	+37.2	+67.6	+30.5	+35.3	+41.8	+43.5	+65.3	+35.1	+49.0	+54.4
은평구	133.5	178.1	176.8	197.4	175.2	181.6	184.0	188.9	198.8	177.5	186.3	193.9
		+44.6	+43.3	+63.9	+41.7	+48.1	+50.5	+55.4	+65.3	+44.0	+52.8	+60.4
종로구	136.0	177.1	175.2	202.8	176.0	177.4	183.4	184.5	199.4	176.1	189.4	191.9
		+41.1	+39.2	+66.8	+40.0	+41.4	+47.4	+48.5	+63.4	+40.1	+53.4	+55.9
중구	139.6	175.1	176.1	207.5	174.6	176.0	183.0	183.2	202.8	175.6	191.0	193.0
		+35.5	+36.5	+67.9	+35.0	+36.4	+43.4	+43.6	+63.2	+36.0	+51.4	+53.4
종량구	145.0	189.7	177.9	215.8	184.5	183.4	195.1	190.1	197.7	183.8	200.1	193.9
		+44.7	+32.9	+70.8	+39.5	+38.4	+50.1	+45.1	+52.7	+38.8	+55.1	+48.9

표 4-107. 서울특별시의 1일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	139.7	184.5 +44.8	187.4 +47.7	168.5 +28.8	187.6 +47.9	202.2 +62.5	218.2 +78.5	196.3 +56.6	219.7 +80.0	185.9 +46.2	178.0 +38.3	208.0 +68.3
강남구	144.1	186.0 +41.9	190.3 +46.2	167.2 +23.1	184.0 +39.9	202.4 +58.3	215.1 +71.0	194.9 +50.8	219.9 +75.8	188.1 +44.0	175.6 +31.5	207.4 +63.3
강동구	145.8	190.4 +44.6	193.0 +47.2	166.1 +20.3	180.8 +35.0	209.0 +63.2	214.1 +68.3	197.4 +51.6	210.8 +65.0	191.7 +45.9	173.4 +27.6	204.1 +58.3
강북구	141.8	197.1 +55.3	192.2 +50.4	173.7 +31.9	198.0 +56.2	216.2 +74.4	223.2 +81.4	211.7 +69.9	216.9 +75.1	194.6 +52.8	185.8 +44.0	214.3 +72.5
강서구	133.9	174.0 +40.1	174.1 +40.2	167.0 +33.1	194.7 +60.8	184.1 +50.2	222.1 +88.2	191.4 +57.5	218.2 +84.3	174.1 +40.2	180.9 +47.0	204.8 +70.9
관악구	139.6	178.5 +38.9	184.7 +45.1	167.4 +27.8	186.3 +46.7	193.9 +54.3	214.8 +75.2	188.5 +48.9	225.6 +86.0	181.6 +42.0	176.8 +37.2	207.0 +67.4
광진구	143.4	189.1 +45.7	193.7 +50.3	167.7 +24.3	182.2 +38.8	209.7 +66.3	216.3 +72.9	197.0 +53.6	216.7 +73.3	191.4 +48.0	174.9 +31.5	206.9 +63.5
구로구	134.6	173.9 +39.3	180.5 +45.9	166.0 +31.4	186.5 +51.9	190.4 +55.8	216.9 +82.3	190.1 +55.5	224.4 +89.8	177.2 +42.6	176.3 +41.7	207.3 +72.7
금천구	137.0	174.3 +37.3	177.2 +40.2	162.8 +25.8	188.8 +51.8	187.1 +50.1	210.8 +73.8	184.8 +47.8	219.5 +82.5	175.8 +38.8	175.8 +38.8	202.2 +65.2
노원구	138.9	195.9 +57.0	189.4 +50.5	164.9 +26.0	193.0 +54.1	213.6 +74.7	219.1 +80.2	201.2 +62.3	210.2 +71.3	192.6 +53.7	179.0 +40.1	205.7 +66.8
도봉구	144.2	206.6 +62.4	192.3 +48.1	177.9 +33.7	207.5 +63.3	219.1 +74.9	227.9 +83.7	215.8 +71.6	222.2 +78.0	199.5 +55.3	192.7 +48.5	219.0 +74.8
동대문구	143.4	194.6 +51.2	195.4 +52.0	170.1 +26.7	188.0 +44.6	214.6 +71.2	222.9 +79.5	204.0 +60.6	218.9 +75.5	195.0 +51.6	179.1 +35.7	211.4 +68.0
동작구	139.7	178.0 +38.3	187.1 +47.4	168.3 +28.6	181.4 +41.7	195.5 +55.8	216.9 +77.2	187.0 +47.3	227.3 +87.6	182.6 +42.9	174.8 +35.1	207.1 +67.4
마포구	138.1	181.1 +43.0	189.5 +51.4	172.3 +34.2	189.3 +51.2	199.2 +61.1	222.9 +84.8	197.4 +59.3	230.5 +92.4	185.3 +47.2	180.8 +42.7	214.0 +75.9
서대문구	135.5	180.8 +45.3	184.7 +49.2	170.6 +35.1	188.7 +53.2	197.4 +61.9	219.5 +84.0	198.4 +62.9	221.0 +85.5	182.8 +47.3	179.7 +44.2	209.7 +74.2
서초구	142.2	181.7 +39.5	188.0 +45.8	165.5 +23.3	182.6 +40.4	197.6 +55.4	215.8 +73.6	188.8 +46.6	221.3 +79.1	184.9 +42.7	174.0 +31.8	205.0 +62.8
성동구	143.0	188.8 +45.8	193.2 +50.2	169.5 +26.5	184.1 +41.1	210.2 +67.2	219.4 +76.4	199.0 +56.0	221.7 +78.7	191.0 +48.0	176.8 +33.8	210.4 +67.4
성북구	139.3	189.2 +49.9	190.7 +51.4	169.0 +29.7	190.0 +50.7	211.0 +71.7	219.3 +80.0	203.9 +64.6	213.5 +74.2	189.9 +50.6	179.5 +40.2	208.7 +69.4
송파구	141.6	181.2 +39.6	181.7 +40.1	162.0 +20.4	178.2 +36.6	196.7 +55.1	205.6 +64.0	190.7 +49.1	206.6 +65.0	181.4 +39.8	170.1 +28.5	198.7 +57.1
양천구	133.8	174.3 +40.5	178.5 +44.7	168.2 +34.4	190.8 +57.0	190.7 +56.9	220.8 +87.0	189.5 +55.7	223.3 +89.5	176.4 +42.6	179.5 +45.7	206.4 +72.6
영등포구	139.8	178.8 +39.0	188.9 +49.1	172.8 +33.0	187.7 +47.9	199.3 +59.5	222.3 +82.5	193.6 +53.8	234.0 +94.2	183.8 +44.0	180.2 +40.4	213.8 +74.0
용산구	138.3	176.7 +38.4	186.1 +47.8	165.9 +27.6	179.4 +41.1	197.9 +59.6	214.6 +76.3	189.9 +51.6	223.8 +85.5	181.4 +43.1	172.7 +34.4	206.9 +68.6
은평구	133.5	180.1 +46.6	179.4 +45.9	170.1 +36.6	192.8 +59.3	193.4 +59.9	221.2 +87.7	199.0 +65.5	214.8 +81.3	179.7 +46.2	181.4 +47.9	206.9 +73.4
종로구	136.0	181.1 +45.1	186.7 +50.7	168.3 +32.3	185.2 +49.2	203.3 +67.3	215.9 +79.9	195.8 +59.8	216.0 +80.0	183.9 +47.9	176.8 +40.8	205.9 +69.9
중구	139.6	181.3 +41.7	188.9 +49.3	168.1 +28.5	182.5 +42.9	205.1 +65.5	216.3 +76.7	195.4 +55.8	220.9 +81.3	185.1 +45.5	175.3 +35.7	208.1 +68.5
중랑구	145.0	198.6 +53.6	197.8 +52.8	170.9 +25.9	187.6 +42.6	216.2 +71.2	221.9 +76.9	203.1 +58.1	214.8 +69.8	198.2 +53.2	179.2 +34.2	209.0 +64.0

표 4-108. 서울특별시의 1일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	139.7	171.6	168.1	185.6	194.4	178.1	198.2	187.7	189.9	169.9	190.0	188.8
		+31.9	+28.4	+45.9	+54.7	+38.4	+58.5	+48.0	+50.2	+30.2	+50.3	+49.1
강남구	144.1	173.8	157.7	183.2	198.6	176.7	196.7	196.0	187.8	165.8	190.9	191.9
		+29.7	+13.6	+39.1	+54.5	+32.6	+52.6	+51.9	+43.7	+21.7	+46.8	+47.8
강동구	145.8	177.2	158.7	193.0	196.9	179.1	192.2	199.6	190.9	167.9	195.0	195.3
		+31.4	+12.9	+47.2	+51.1	+33.3	+46.4	+53.8	+45.1	+22.1	+49.2	+49.5
강북구	141.8	179.8	177.1	199.3	197.7	187.0	205.5	186.4	196.4	178.4	198.5	191.4
		+38.0	+35.3	+57.5	+55.9	+45.2	+63.7	+44.6	+54.6	+36.6	+56.7	+49.6
강서구	133.9	164.2	172.2	176.4	189.7	175.0	198.1	183.5	187.3	168.2	183.1	185.4
		+30.3	+38.3	+42.5	+55.8	+41.1	+64.2	+49.6	+53.4	+34.3	+49.2	+51.5
관악구	139.6	173.2	167.7	176.3	192.4	178.4	201.8	182.3	185.5	170.5	184.3	183.9
		+33.6	+28.1	+36.7	+52.8	+38.8	+62.2	+42.7	+45.9	+30.9	+44.7	+44.3
광진구	143.4	175.1	160.1	191.1	193.7	178.2	195.9	195.1	191.1	167.6	192.4	193.1
		+31.7	+16.7	+47.7	+50.3	+34.8	+52.5	+51.7	+47.7	+24.2	+49.0	+49.7
구로구	134.6	168.3	170.6	175.4	192.2	176.2	196.4	183.8	186.5	169.4	183.8	185.1
		+33.7	+36.0	+40.8	+57.6	+41.6	+61.8	+49.2	+51.9	+34.8	+49.2	+50.5
금천구	137.0	172.4	164.2	172.5	190.0	176.4	196.8	175.3	184.1	168.3	181.2	179.7
		+35.4	+27.2	+35.5	+53.0	+39.4	+59.8	+38.3	+47.1	+31.3	+44.2	+42.7
노원구	138.9	173.7	171.7	197.8	194.4	181.1	197.4	184.6	187.1	172.7	196.1	185.9
		+34.8	+32.8	+58.9	+55.5	+42.2	+58.5	+45.7	+48.2	+33.8	+57.2	+47.0
도봉구	144.2	181.1	179.1	208.8	201.7	195.3	214.8	190.7	201.9	180.1	205.3	196.3
		+36.9	+34.9	+64.6	+57.5	+51.1	+70.6	+46.5	+57.7	+35.9	+61.1	+52.1
동대문구	143.4	174.7	168.4	196.2	196.0	180.6	199.7	193.2	191.5	171.5	196.1	192.3
		+31.3	+25.0	+52.8	+52.6	+37.2	+56.3	+49.8	+48.1	+28.1	+52.7	+48.9
동작구	139.7	170.6	165.9	176.5	194.8	175.9	198.6	186.9	185.6	168.3	185.6	186.2
		+30.9	+26.2	+36.8	+55.1	+36.2	+58.9	+47.2	+45.9	+28.6	+45.9	+46.5
마포구	138.1	167.7	175.5	182.4	197.0	177.8	200.5	189.8	194.7	171.6	189.7	192.3
		+29.6	+37.4	+44.3	+58.9	+39.7	+62.4	+51.7	+56.6	+33.5	+51.6	+54.2
서대문구	135.5	167.7	175.9	181.6	194.8	178.9	196.3	185.0	195.7	171.8	188.2	190.4
		+32.2	+40.4	+46.1	+59.3	+43.4	+60.8	+49.5	+60.2	+36.3	+52.7	+54.9
서초구	142.2	170.8	158.7	177.4	193.3	175.6	198.0	189.0	184.9	164.8	185.4	186.9
		+28.6	+16.5	+35.2	+51.1	+33.4	+55.8	+46.8	+42.7	+22.6	+43.2	+44.7
성동구	143.0	172.5	164.3	190.6	194.0	175.6	198.5	191.8	188.4	168.4	192.3	190.1
		+29.5	+21.3	+47.6	+51.0	+32.6	+55.5	+48.8	+45.4	+25.4	+49.3	+47.1
성북구	139.3	173.1	171.8	191.0	193.4	181.2	199.2	184.4	192.4	172.5	192.2	188.4
		+33.8	+32.5	+51.7	+54.1	+41.9	+59.9	+45.1	+53.1	+33.2	+52.9	+49.1
송파구	141.6	171.0	148.8	179.3	196.3	170.4	186.7	192.9	186.6	159.9	187.8	189.7
		+29.4	+7.2	+37.7	+54.7	+28.8	+45.1	+51.3	+45.0	+18.3	+46.2	+48.1
양천구	133.8	166.1	172.6	176.9	193.3	174.6	198.0	184.4	188.5	169.3	185.1	186.4
		+32.3	+38.8	+43.1	+59.5	+40.8	+64.2	+50.6	+54.7	+35.5	+51.3	+52.6
영등포구	139.8	171.6	173.7	180.9	198.7	177.6	201.3	189.9	190.4	172.7	189.8	190.2
		+31.8	+33.9	+41.1	+58.9	+37.8	+61.5	+50.1	+50.6	+32.9	+50.0	+50.4
용산구	138.3	164.4	164.3	179.1	190.3	170.0	196.4	185.0	185.5	164.4	184.7	185.2
		+26.1	+26.0	+40.8	+52.0	+31.7	+58.1	+46.7	+47.2	+26.1	+46.4	+46.9
은평구	133.5	170.0	176.2	182.3	190.6	180.0	194.9	180.2	193.8	173.1	186.4	187.0
		+36.5	+42.7	+48.8	+57.1	+46.5	+61.4	+46.7	+60.3	+39.6	+52.9	+53.5
종로구	136.0	167.8	170.0	184.8	191.0	176.3	194.7	181.6	191.2	168.9	187.9	186.4
		+31.8	+34.0	+48.8	+55.0	+40.3	+58.7	+45.6	+55.2	+32.9	+51.9	+50.4
중구	139.6	166.0	166.9	185.7	190.8	173.3	196.9	185.0	188.8	166.4	188.3	186.9
		+26.4	+27.3	+46.1	+51.2	+33.7	+57.3	+45.4	+49.2	+26.8	+48.7	+47.3
종량구	145.0	176.3	171.1	201.1	197.3	182.2	198.8	195.5	190.2	173.7	199.2	192.8
		+31.3	+26.1	+56.1	+52.3	+37.2	+53.8	+50.5	+45.2	+28.7	+54.2	+47.8



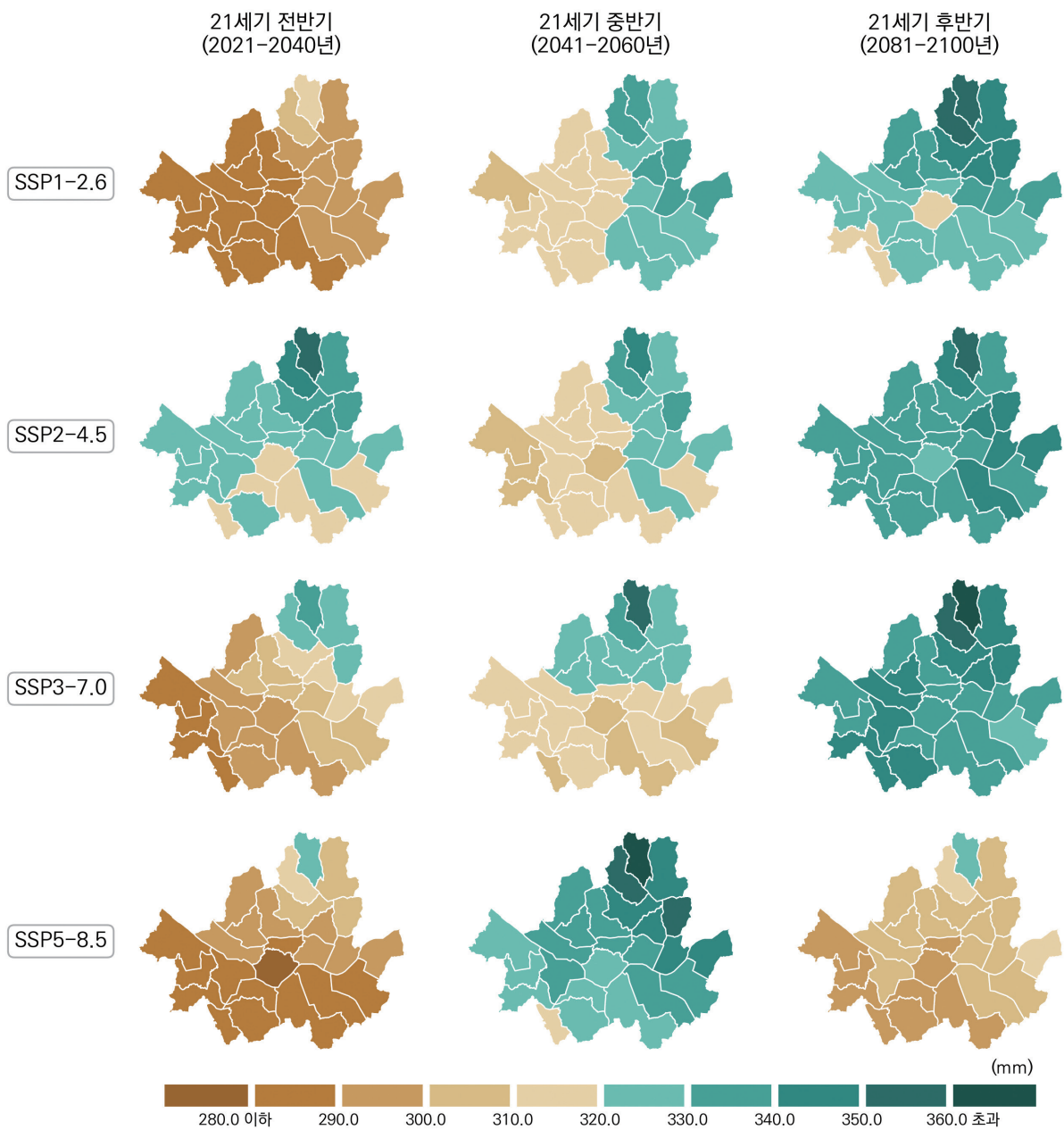


그림 4-37. 서울특별시의 5일최다강수량(mm) 전망 분포도

표 4-109. 서울특별시의 5일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	261.6	294.4	285.9	320.0	325.0	306.0	345.2	337.9	323.1	290.2	322.5	330.5
		+32.8	+24.3	+58.4	+63.4	+44.4	+83.6	+76.3	+61.5	+28.6	+60.9	+68.9
강남구	254.1	290.5	292.9	325.1	334.8	312.9	351.8	332.0	319.5	291.7	329.9	325.7
		+36.4	+38.8	+71.0	+80.7	+58.8	+97.7	+77.9	+65.4	+37.6	+75.8	+71.6
강동구	264.6	290.5	297.9	329.1	341.7	310.2	351.9	339.9	320.6	294.2	335.4	330.2
		+25.9	+33.3	+64.5	+77.1	+45.6	+87.3	+75.3	+56.0	+29.6	+70.8	+65.6
강북구	287.9	318.9	291.8	331.7	333.1	317.9	357.5	363.9	337.5	305.4	332.4	350.7
		+31.0	+3.9	+43.8	+45.2	+30.0	+69.6	+76.0	+49.6	+17.5	+44.5	+62.8
강서구	253.1	285.7	278.5	303.7	313.9	291.2	332.9	326.9	317.0	282.1	308.8	322.0
		+32.6	+25.4	+50.6	+60.8	+38.1	+79.8	+73.8	+63.9	+29.0	+55.7	+68.9
관악구	242.6	287.6	281.9	315.9	320.5	301.8	340.2	325.5	322.0	284.8	318.2	323.8
		+45.0	+39.3	+73.3	+77.9	+59.2	+97.6	+82.9	+79.4	+42.2	+75.6	+81.2
광진구	265.7	291.7	297.0	324.6	335.8	314.0	355.0	339.9	321.0	294.3	330.2	330.4
		+26.0	+31.3	+58.9	+70.1	+48.3	+89.3	+74.2	+55.3	+28.6	+64.5	+64.7
구로구	241.9	281.6	279.0	310.4	314.7	299.6	335.2	323.2	316.3	280.3	312.5	319.7
		+39.7	+37.1	+68.5	+72.8	+57.7	+93.3	+81.3	+74.4	+38.4	+70.6	+77.8
금천구	236.6	280.3	279.9	313.1	317.6	301.5	338.2	317.5	318.5	280.1	315.3	318.0
		+43.7	+43.3	+76.5	+81.0	+64.9	+101.6	+80.9	+81.9	+43.5	+78.7	+81.4
노원구	280.3	309.6	289.6	320.1	328.0	311.7	346.3	352.3	331.4	299.6	324.1	341.8
		+29.3	+9.3	+39.8	+47.7	+31.4	+66.0	+72.0	+51.1	+19.3	+43.8	+61.5
도봉구	297.7	330.0	301.4	336.1	342.9	324.3	370.1	369.4	342.2	315.7	339.5	355.8
		+32.3	+3.7	+38.4	+45.2	+26.6	+72.4	+71.7	+44.5	+18.0	+41.8	+58.1
동대문구	273.7	299.4	293.2	327.0	333.5	315.9	353.4	350.5	330.2	296.3	330.3	340.3
		+25.7	+19.5	+53.3	+59.8	+42.2	+79.7	+76.8	+56.5	+22.6	+56.6	+66.6
동작구	249.1	285.2	280.5	314.7	317.7	304.0	338.5	325.5	317.1	282.9	316.2	321.3
		+36.1	+31.4	+65.6	+68.6	+54.9	+89.4	+76.4	+68.0	+33.8	+67.1	+72.2
마포구	259.6	293.7	281.4	318.6	320.7	299.0	341.0	336.9	322.0	287.6	319.7	329.5
		+34.1	+21.8	+59.0	+61.1	+39.4	+81.4	+77.3	+62.4	+28.0	+60.1	+69.9
서대문구	264.6	296.8	278.0	319.3	319.2	298.0	340.1	340.4	325.2	287.4	319.3	332.8
		+32.2	+13.4	+54.7	+54.6	+33.4	+75.5	+75.8	+60.6	+22.8	+54.7	+68.2
서초구	247.1	286.9	284.4	318.3	323.0	306.7	343.7	326.7	316.8	285.7	320.7	321.7
		+39.8	+37.3	+71.2	+75.9	+59.6	+96.6	+79.6	+69.7	+38.6	+73.6	+74.6
성동구	262.8	293.0	289.3	322.6	327.5	310.2	349.1	341.5	321.9	291.2	325.0	331.7
		+30.2	+26.5	+59.8	+64.7	+47.4	+86.3	+78.7	+59.1	+28.4	+62.2	+68.9
성북구	279.5	305.6	287.4	327.0	326.6	312.3	347.6	352.0	333.1	296.5	326.8	342.5
		+26.1	+7.9	+47.5	+47.1	+32.8	+68.1	+72.5	+53.6	+17.0	+47.3	+63.0
송파구	253.5	287.5	293.4	323.6	333.5	306.8	346.7	330.4	312.5	290.4	328.6	321.5
		+34.0	+39.9	+70.1	+80.0	+53.3	+93.2	+76.9	+59.0	+36.9	+75.1	+68.0
양천구	249.5	285.2	278.5	307.9	314.6	295.3	334.7	327.4	318.1	281.9	311.3	322.7
		+35.7	+29.0	+58.4	+65.1	+45.8	+85.2	+77.9	+68.6	+32.4	+61.8	+73.2
영등포구	251.8	287.1	282.0	316.9	322.1	303.6	339.7	329.5	320.3	284.6	319.5	324.9
		+35.3	+30.2	+65.1	+70.3	+51.8	+87.9	+77.7	+68.5	+32.8	+67.7	+73.1
용산구	251.7	283.9	276.8	310.3	313.1	295.6	334.7	326.7	310.7	280.3	311.7	318.7
		+32.2	+25.1	+58.6	+61.4	+43.9	+83.0	+75.0	+59.0	+28.6	+60.0	+67.0
은평구	264.7	298.5	275.2	313.8	315.6	291.5	339.0	338.0	323.5	286.9	314.7	330.8
		+33.8	+10.5	+49.1	+50.9	+26.8	+74.3	+73.3	+58.8	+22.2	+50.0	+66.1
종로구	267.9	297.0	279.8	321.0	318.4	302.8	341.8	341.2	325.8	288.4	319.7	333.5
		+29.1	+11.9	+53.1	+50.5	+34.9	+73.9	+73.3	+57.9	+20.5	+51.8	+65.6
중구	261.5	292.3	282.6	318.4	319.7	302.5	341.5	337.5	320.4	287.4	319.1	329.0
		+30.8	+21.1	+56.9	+58.2	+41.0	+80.0	+76.0	+58.9	+25.9	+57.6	+67.5
종량구	277.5	302.1	295.7	329.6	337.2	320.7	358.3	351.7	332.7	298.9	333.4	342.2
		+24.6	+18.2	+52.1	+59.7	+43.2	+80.8	+74.2	+55.2	+21.4	+55.9	+64.7

표 4-110. 서울특별시의 5일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	261.6	338.8	314.9	341.5	299.0	327.5	325.2	328.8	347.2	326.8	320.3	338.0
		+77.2	+53.3	+79.9	+37.4	+65.9	+63.6	+67.2	+85.6	+65.2	+58.7	+76.4
강남구	254.1	332.8	314.2	349.9	295.2	327.5	331.0	339.8	346.4	323.5	322.5	343.1
		+78.7	+60.1	+95.8	+41.1	+73.4	+76.9	+85.7	+92.3	+69.4	+68.4	+89.0
강동구	264.6	336.5	315.3	347.1	298.8	331.4	334.6	339.1	341.5	325.9	322.9	340.3
		+71.9	+50.7	+82.5	+34.2	+66.8	+70.0	+74.5	+76.9	+61.3	+58.3	+75.7
강북구	287.9	363.5	327.1	352.5	324.3	345.0	342.3	338.5	354.3	345.3	338.4	346.4
		+75.6	+39.2	+64.6	+36.4	+57.1	+54.4	+50.6	+66.4	+57.4	+50.5	+58.5
강서구	253.1	333.4	312.4	327.2	285.5	321.7	316.2	312.0	354.2	322.9	306.4	333.1
		+80.3	+59.3	+74.1	+32.4	+68.6	+63.1	+58.9	+101.1	+69.8	+53.3	+80.0
관악구	242.6	332.7	312.2	343.6	291.5	319.4	319.1	327.6	346.7	322.5	317.6	337.1
		+90.1	+69.6	+101.0	+48.9	+76.8	+76.5	+85.0	+104.1	+79.9	+75.0	+94.5
광진구	265.7	336.4	315.3	346.2	298.1	332.6	332.5	336.9	345.4	325.8	322.2	341.2
		+70.7	+49.6	+80.5	+32.4	+66.9	+66.8	+71.2	+79.7	+60.1	+56.5	+75.5
구로구	241.9	329.8	310.9	333.5	286.3	318.5	313.3	320.4	352.0	320.3	309.9	336.2
		+87.9	+69.0	+91.6	+44.4	+76.6	+71.4	+78.5	+110.1	+78.4	+68.0	+94.3
금천구	236.6	325.4	309.1	335.1	288.7	315.8	316.7	323.4	340.0	317.2	311.9	331.7
		+88.8	+72.5	+98.5	+52.1	+79.2	+80.1	+86.8	+103.4	+80.6	+75.3	+95.1
노원구	280.3	356.5	315.3	340.4	317.3	334.0	335.4	331.3	341.2	335.9	328.8	336.3
		+76.2	+35.0	+60.1	+37.0	+53.7	+55.1	+51.0	+60.9	+55.6	+48.5	+56.0
도봉구	297.7	377.6	333.4	359.9	336.5	354.8	353.5	344.6	362.7	355.5	348.2	353.6
		+79.9	+35.7	+62.2	+38.8	+57.1	+55.8	+46.9	+65.0	+57.8	+50.5	+55.9
동대문구	273.7	346.7	318.9	348.9	309.7	334.8	333.2	335.7	346.6	332.8	329.3	341.1
		+73.0	+45.2	+75.2	+36.0	+61.1	+59.5	+62.0	+72.9	+59.1	+55.6	+67.4
동작구	249.1	327.4	309.8	340.8	289.0	318.7	314.9	323.2	349.0	318.6	314.9	336.1
		+78.3	+60.7	+91.7	+39.9	+69.6	+65.8	+74.1	+99.9	+69.5	+65.8	+87.0
마포구	259.6	336.5	316.7	337.2	292.5	325.9	317.7	323.5	353.1	326.6	314.9	338.3
		+76.9	+57.1	+77.6	+32.9	+66.3	+58.1	+63.9	+93.5	+67.0	+55.3	+78.7
서대문구	264.6	339.7	317.4	335.0	296.3	326.7	320.4	324.3	348.2	328.6	315.6	336.2
		+75.1	+52.8	+70.4	+31.7	+62.1	+55.8	+59.7	+83.6	+64.0	+51.0	+71.6
서초구	247.1	326.1	308.3	345.4	288.9	322.8	322.2	331.7	344.4	317.2	317.2	338.0
		+79.0	+61.2	+98.3	+41.8	+75.7	+75.1	+84.6	+97.3	+70.1	+70.1	+90.9
성동구	262.8	336.4	314.8	346.6	299.1	330.5	326.5	331.1	345.1	325.6	322.9	338.1
		+73.6	+52.0	+83.8	+36.3	+67.7	+63.7	+68.3	+82.3	+62.8	+60.1	+75.3
성북구	279.5	349.7	319.2	345.3	312.1	334.3	331.3	332.8	346.8	334.5	328.7	339.8
		+70.2	+39.7	+65.8	+32.6	+54.8	+51.8	+53.3	+67.3	+55.0	+49.2	+60.3
송파구	253.5	328.6	310.7	340.5	293.5	321.6	330.6	337.7	337.6	319.6	317.0	337.6
		+75.1	+57.2	+87.0	+40.0	+68.1	+77.1	+84.2	+84.1	+66.1	+63.5	+84.1
양천구	249.5	331.1	314.4	331.1	286.2	320.2	314.3	313.7	354.5	322.8	308.6	334.1
		+81.6	+64.9	+81.6	+36.7	+70.7	+64.8	+64.2	+105.0	+73.3	+59.1	+84.6
영등포구	251.8	332.9	316.2	341.7	292.5	322.1	315.3	322.7	356.1	324.6	317.1	339.4
		+81.1	+64.4	+89.9	+40.7	+70.3	+63.5	+70.9	+104.3	+72.8	+65.3	+87.6
용산구	251.7	322.5	303.9	332.6	284.5	315.5	310.6	317.3	341.1	313.2	308.6	329.2
		+70.8	+52.2	+80.9	+32.8	+63.8	+58.9	+65.6	+89.4	+61.5	+56.9	+77.5
은평구	264.7	340.5	312.1	330.3	296.6	326.4	318.6	320.3	343.6	326.3	313.5	332.0
		+75.8	+47.4	+65.6	+31.9	+61.7	+53.9	+55.6	+78.9	+61.6	+48.8	+67.3
종로구	267.9	339.9	314.2	337.4	300.9	326.6	322.0	326.2	342.8	327.1	319.1	334.5
		+72.0	+46.3	+69.5	+33.0	+58.7	+54.1	+58.3	+74.9	+59.2	+51.2	+66.6
중구	261.5	333.3	312.0	338.8	297.0	324.0	319.6	324.7	342.9	322.6	317.9	333.8
		+71.8	+50.5	+77.3	+35.5	+62.5	+58.1	+63.2	+81.4	+61.1	+56.4	+72.3
종랑구	277.5	352.9	318.9	351.1	314.7	336.2	337.8	340.3	344.1	335.9	332.9	342.2
		+75.4	+41.4	+73.6	+37.2	+58.7	+60.3	+62.8	+66.6	+58.4	+55.4	+64.7

표 4-111. 서울특별시의 5일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	261.6	287.3	321.7	302.8	334.3	345.9	369.1	328.9	351.4	304.5	318.5	340.2
		+25.7	+60.1	+41.2	+72.7	+84.3	+107.5	+67.3	+89.8	+42.9	+56.9	+78.6
강남구	254.1	285.1	325.8	297.7	328.9	351.8	365.0	326.5	348.0	305.5	313.3	337.2
		+31.0	+71.7	+43.6	+74.8	+97.7	+110.9	+72.4	+93.9	+51.4	+59.2	+83.1
강동구	264.6	293.9	337.2	297.4	328.2	358.8	366.7	327.3	337.3	315.6	312.8	332.3
		+29.3	+72.6	+32.8	+63.6	+94.2	+102.1	+62.7	+72.7	+51.0	+48.2	+67.7
강북구	287.9	312.6	343.0	319.3	358.8	368.5	385.6	351.6	354.3	327.8	339.0	352.9
		+24.7	+55.1	+31.4	+70.9	+80.6	+97.7	+63.7	+66.4	+39.9	+51.1	+65.0
강서구	253.1	274.2	295.6	296.2	336.2	321.6	364.5	325.5	350.0	284.9	316.2	337.7
		+21.1	+42.5	+43.1	+83.1	+68.5	+111.4	+72.4	+96.9	+31.8	+63.1	+84.6
관악구	242.6	275.5	306.9	297.9	326.5	333.7	359.3	324.4	359.3	291.2	312.2	341.8
		+32.9	+64.3	+55.3	+83.9	+91.1	+116.7	+81.8	+116.7	+48.6	+69.6	+99.2
광진구	265.7	290.2	335.0	298.4	331.2	358.0	369.5	330.3	344.5	312.6	314.8	337.4
		+24.5	+69.3	+32.7	+65.5	+92.3	+103.8	+64.6	+78.8	+46.9	+49.1	+71.7
구로구	241.9	271.3	302.4	294.9	326.8	328.9	362.4	325.0	357.2	286.9	310.8	341.1
		+29.4	+60.5	+53.0	+84.9	+87.0	+120.5	+83.1	+115.3	+45.0	+68.9	+99.2
금천구	236.6	267.9	298.9	289.8	327.1	325.0	355.3	322.2	359.1	283.4	308.4	340.7
		+31.3	+62.3	+53.2	+90.5	+88.4	+118.7	+85.6	+122.5	+46.8	+71.8	+104.1
노원구	280.3	306.8	339.0	305.2	347.3	360.9	376.7	337.3	346.9	322.9	326.3	342.1
		+26.5	+58.7	+24.9	+67.0	+80.6	+96.4	+57.0	+66.6	+42.6	+46.0	+61.8
도봉구	297.7	326.2	348.8	327.1	373.1	373.6	394.1	360.9	364.0	337.5	350.1	362.4
		+28.5	+51.1	+29.4	+75.4	+75.9	+96.4	+63.2	+66.3	+39.8	+52.4	+64.7
동대문구	273.7	298.6	338.8	307.8	338.0	361.5	377.6	336.0	349.3	318.7	322.9	342.6
		+24.9	+65.1	+34.1	+64.3	+87.8	+103.9	+62.3	+75.6	+45.0	+49.2	+68.9
동작구	249.1	274.3	310.2	298.1	323.0	333.5	362.1	318.4	357.8	292.3	310.6	338.1
		+25.2	+61.1	+49.0	+73.9	+84.4	+113.0	+69.3	+108.7	+43.2	+61.5	+89.0
마포구	259.6	283.7	315.4	307.9	332.2	338.0	371.3	325.4	362.1	299.5	320.0	343.7
		+24.1	+55.8	+48.3	+72.6	+78.4	+111.7	+65.8	+102.5	+39.9	+60.4	+84.1
서대문구	264.6	286.3	315.8	309.5	335.9	339.0	370.9	328.2	354.8	301.1	322.7	341.5
		+21.7	+51.2	+44.9	+71.3	+74.4	+106.3	+63.6	+90.2	+36.5	+58.1	+76.9
서초구	247.1	278.4	316.3	295.0	325.0	340.3	361.8	319.7	349.8	297.4	310.0	334.8
		+31.3	+69.2	+47.9	+77.9	+93.2	+114.7	+72.6	+102.7	+50.3	+62.9	+87.7
성동구	262.8	289.4	329.9	303.6	331.4	353.0	371.3	327.9	349.9	309.6	317.5	338.9
		+26.6	+67.1	+40.8	+68.6	+90.2	+108.5	+65.1	+87.1	+46.8	+54.7	+76.1
성북구	279.5	298.9	336.4	311.7	343.5	358.8	377.3	339.8	348.4	317.6	327.6	344.1
		+19.4	+56.9	+32.2	+64.0	+79.3	+97.8	+60.3	+68.9	+38.1	+48.1	+64.6
송파구	253.5	282.7	322.0	292.1	322.5	348.4	355.2	320.8	330.5	302.3	307.3	325.7
		+29.2	+68.5	+38.6	+69.0	+94.9	+101.7	+67.3	+77.0	+48.8	+53.8	+72.2
양천구	249.5	273.1	301.0	296.5	330.6	328.0	365.7	322.7	354.2	287.0	313.6	338.5
		+23.6	+51.5	+47.0	+81.1	+78.5	+116.2	+73.2	+104.7	+37.5	+64.1	+89.0
영등포구	251.8	277.6	311.4	302.0	327.8	336.8	369.6	324.1	365.4	294.5	314.9	344.8
		+25.8	+59.6	+50.2	+76.0	+85.0	+117.8	+72.3	+113.6	+42.7	+63.1	+93.0
용산구	251.7	274.6	310.2	295.9	320.4	333.6	360.5	311.8	350.7	292.4	308.1	331.2
		+22.9	+58.5	+44.2	+68.7	+81.9	+108.8	+60.1	+99.0	+40.7	+56.4	+79.5
은평구	264.7	285.8	308.7	305.6	342.3	336.1	369.0	331.1	345.7	297.3	323.9	338.4
		+21.1	+44.0	+40.9	+77.6	+71.4	+104.3	+66.4	+81.0	+32.6	+59.2	+73.7
종로구	267.9	287.9	324.5	307.7	333.9	347.6	369.8	326.4	349.4	306.2	320.8	337.9
		+20.0	+56.6	+39.8	+66.0	+79.7	+101.9	+58.5	+81.5	+38.3	+52.9	+70.0
중구	261.5	284.0	323.3	304.9	328.8	346.4	368.4	321.7	351.0	303.7	316.8	336.3
		+22.5	+61.8	+43.4	+67.3	+84.9	+106.9	+60.2	+89.5	+42.2	+55.3	+74.8
종량구	277.5	304.0	345.5	307.0	338.4	366.6	378.6	337.6	346.5	324.7	322.7	342.0
		+26.5	+68.0	+29.5	+60.9	+89.1	+101.1	+60.1	+69.0	+47.2	+45.2	+64.5

표 4-112. 서울특별시의 5일최다강수량 21세기 전망과 현재 기후 값 대비 편차(mm)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	261.6	291.8	294.5	330.4	341.9	289.4	316.3	290.4	315.6	293.1	336.2	303.0
		+30.2	+32.9	+68.8	+80.3	+27.8	+54.7	+28.8	+54.0	+31.5	+74.6	+41.4
강남구	254.1	290.8	280.3	330.7	342.8	284.3	307.1	301.3	311.7	285.5	336.8	306.5
		+36.7	+26.2	+76.6	+88.7	+30.2	+53.0	+47.2	+57.6	+31.4	+82.7	+52.4
강동구	264.6	296.3	290.4	343.0	343.7	286.3	306.6	304.9	316.9	293.3	343.3	310.9
		+31.7	+25.8	+78.4	+79.1	+21.7	+42.0	+40.3	+52.3	+28.7	+78.7	+46.3
강북구	287.9	313.6	318.3	353.3	356.8	307.9	343.1	300.5	327.5	315.9	355.1	314.0
		+25.7	+30.4	+65.4	+68.9	+20.0	+55.2	+12.6	+39.6	+28.0	+67.2	+26.1
강서구	253.1	281.1	291.2	310.9	331.6	287.6	314.7	283.2	312.6	286.1	321.2	297.9
		+28.0	+38.1	+57.8	+78.5	+34.5	+61.6	+30.1	+59.5	+33.0	+68.1	+44.8
관악구	242.6	287.3	284.4	316.2	334.1	289.5	313.5	279.8	311.3	285.9	325.2	295.6
		+44.7	+41.8	+73.6	+91.5	+46.9	+70.9	+37.2	+68.7	+43.3	+82.6	+53.0
광진구	265.7	293.6	289.0	340.0	340.9	287.1	309.6	300.6	315.8	291.3	340.4	308.2
		+27.9	+23.3	+74.3	+75.2	+21.4	+43.9	+34.9	+50.1	+25.6	+74.7	+42.5
구로구	241.9	282.0	287.2	312.3	335.9	287.9	309.8	279.2	313.7	284.6	324.1	296.4
		+40.1	+45.3	+70.4	+94.0	+46.0	+67.9	+37.3	+71.8	+42.7	+82.2	+54.5
금천구	236.6	286.7	278.5	310.8	328.8	288.3	310.0	273.8	310.4	282.6	319.8	292.1
		+50.1	+41.9	+74.2	+92.2	+51.7	+73.4	+37.2	+73.8	+46.0	+83.2	+55.5
노원구	280.3	303.7	310.6	347.5	347.7	297.9	330.6	294.1	314.8	307.1	347.6	304.4
		+23.4	+30.3	+67.2	+67.4	+17.6	+50.3	+13.8	+34.5	+26.8	+67.3	+24.1
도봉구	297.7	322.0	326.6	367.2	364.9	320.2	357.5	307.5	336.3	324.3	366.0	321.9
		+24.3	+28.9	+69.5	+67.2	+22.5	+59.8	+9.8	+38.6	+26.6	+68.3	+24.2
동대문구	273.7	297.5	302.0	346.8	347.4	292.5	321.2	297.1	318.2	299.8	347.1	307.7
		+23.8	+28.3	+73.1	+73.7	+18.8	+47.5	+23.4	+44.5	+26.1	+73.4	+34.0
동작구	249.1	283.9	284.2	317.4	338.2	283.8	309.0	283.0	309.2	284.1	327.8	296.1
		+34.8	+35.1	+68.3	+89.1	+34.7	+59.9	+33.9	+60.1	+35.0	+78.7	+47.0
마포구	259.6	286.0	297.5	322.6	344.3	286.7	314.2	290.1	318.5	291.8	333.4	304.3
		+26.4	+37.9	+63.0	+84.7	+27.1	+54.6	+30.5	+58.9	+32.2	+73.8	+44.7
서대문구	264.6	289.0	302.2	325.1	345.3	289.9	315.9	286.9	320.9	295.6	335.2	303.9
		+24.4	+37.6	+60.5	+80.7	+25.3	+51.3	+22.3	+56.3	+31.0	+70.6	+39.3
서초구	247.1	285.0	277.3	322.4	336.2	283.5	307.0	290.9	307.4	281.2	329.3	299.1
		+37.9	+30.2	+75.3	+89.1	+36.4	+59.9	+43.8	+60.3	+34.1	+82.2	+52.0
성동구	262.8	290.4	291.7	337.1	341.4	284.6	312.9	293.7	311.9	291.1	339.3	302.8
		+27.6	+28.9	+74.3	+78.6	+21.8	+50.1	+30.9	+49.1	+28.3	+76.5	+40.0
성북구	279.5	301.7	307.8	342.3	347.2	296.6	327.8	292.8	320.7	304.8	344.8	306.8
		+22.2	+28.3	+62.8	+67.7	+17.1	+48.3	+13.3	+41.2	+25.3	+65.3	+27.3
송파구	253.5	291.3	275.9	327.6	339.6	276.7	297.6	299.3	310.9	283.6	333.6	305.1
		+37.8	+22.4	+74.1	+86.1	+23.2	+44.1	+45.8	+57.4	+30.1	+80.1	+51.6
양천구	249.5	280.3	291.3	311.8	335.8	285.6	312.2	283.2	314.8	285.8	323.8	299.0
		+30.8	+41.8	+62.3	+86.3	+36.1	+62.7	+33.7	+65.3	+36.3	+74.3	+49.5
영등포구	251.8	286.5	292.4	319.7	344.1	287.2	313.4	285.1	316.2	289.5	331.9	300.7
		+34.7	+40.6	+67.9	+92.3	+35.4	+61.6	+33.3	+64.4	+37.7	+80.1	+48.9
용산구	251.7	276.3	283.1	317.6	332.4	274.4	303.3	281.2	304.9	279.7	325.0	293.0
		+24.6	+31.4	+65.9	+80.7	+22.7	+51.6	+29.5	+53.2	+28.0	+73.3	+41.3
은평구	264.7	292.1	301.9	322.3	340.3	291.5	319.5	281.1	320.1	297.0	331.3	300.6
		+27.4	+37.2	+57.6	+75.6	+26.8	+54.8	+16.4	+55.4	+32.3	+66.6	+35.9
종로구	267.9	291.0	300.2	331.0	342.1	287.2	316.4	285.0	315.9	295.6	336.6	300.4
		+23.1	+32.3	+63.1	+74.2	+19.3	+48.5	+17.1	+48.0	+27.7	+68.7	+32.5
중구	261.5	284.7	293.4	330.1	338.7	282.1	311.8	285.7	311.2	289.1	334.4	298.5
		+23.2	+31.9	+68.6	+77.2	+20.6	+50.3	+24.2	+49.7	+27.6	+72.9	+37.0
종랑구	277.5	300.6	306.1	355.0	348.3	294.4	323.2	300.1	318.8	303.4	351.6	309.5
		+23.1	+28.6	+77.5	+70.8	+16.9	+45.7	+22.6	+41.3	+25.9	+74.1	+32.0

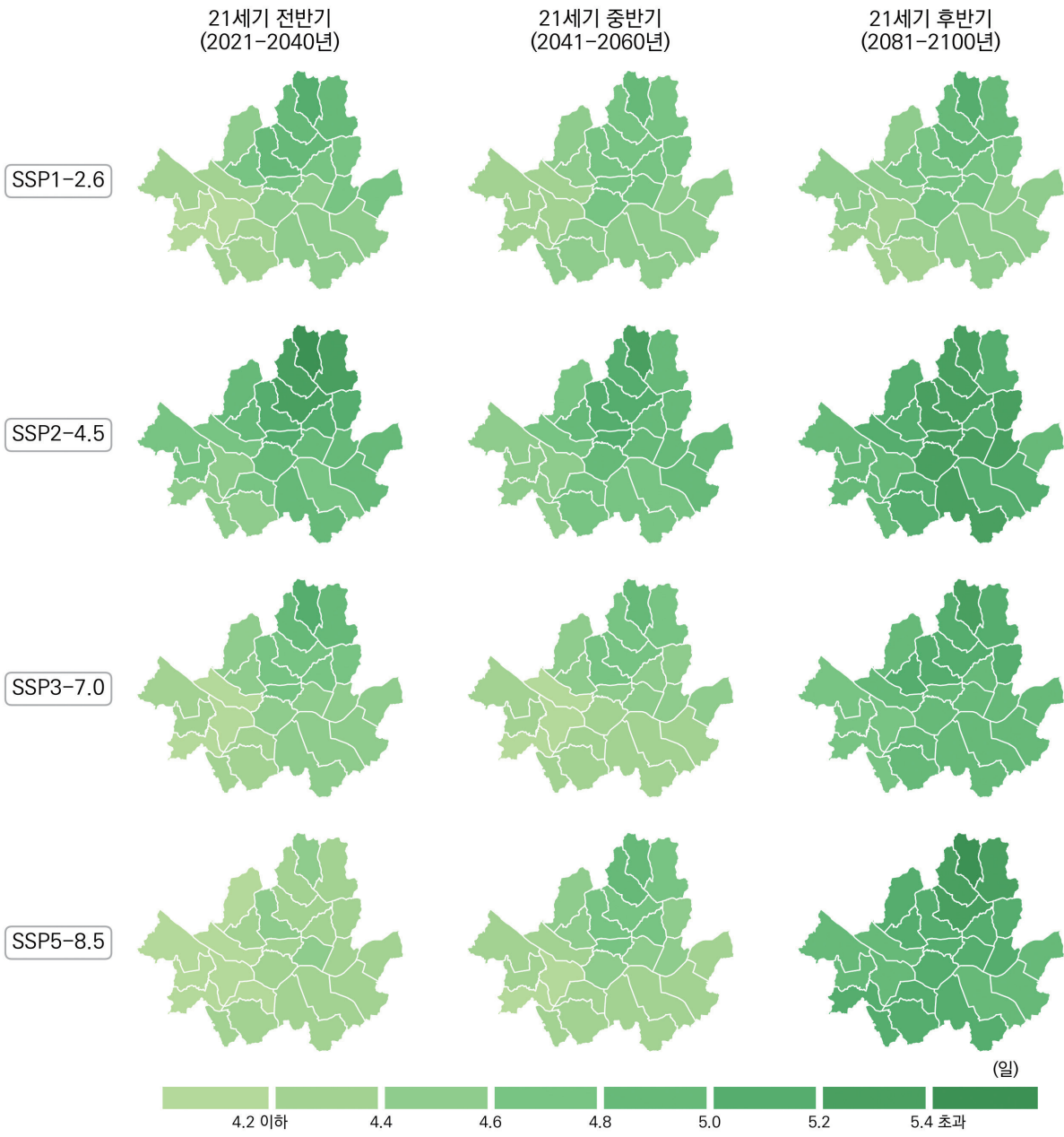


그림 4-38. 서울특별시의 95퍼센타일강수일수(일) 전망 분포도

표 4-113. 서울특별시의 95퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	3.9	4.5	4.7	4.2	5.0	4.9	4.7	4.9	4.4	4.6	4.6	4.7
		+0.6	+0.8	+0.3	+1.1	+1.0	+0.8	+1.0	+0.5	+0.7	+0.7	+0.8
강남구	3.9	4.3	4.7	4.1	4.9	4.8	4.7	4.8	4.3	4.5	4.5	4.5
		+0.4	+0.8	+0.2	+1.0	+0.9	+0.8	+0.9	+0.4	+0.6	+0.6	+0.6
강동구	4.0	4.5	4.8	4.2	4.9	4.8	4.6	4.8	4.4	4.7	4.5	4.6
		+0.5	+0.8	+0.2	+0.9	+0.8	+0.6	+0.8	+0.4	+0.7	+0.5	+0.6
강북구	4.0	4.8	5.1	4.5	5.1	5.2	4.9	5.3	4.7	4.9	4.8	5.0
		+0.8	+1.1	+0.5	+1.1	+1.2	+0.9	+1.3	+0.7	+0.9	+0.8	+1.0
강서구	3.8	4.2	4.3	4.0	4.8	4.6	4.7	4.8	4.3	4.3	4.4	4.5
		+0.4	+0.5	+0.2	+1.0	+0.8	+0.9	+1.0	+0.5	+0.5	+0.6	+0.7
관악구	3.8	4.3	4.6	4.1	5.0	4.7	4.6	4.6	4.3	4.4	4.6	4.4
		+0.5	+0.8	+0.3	+1.2	+0.9	+0.8	+0.8	+0.5	+0.6	+0.8	+0.6
광진구	4.1	4.6	4.8	4.2	5.0	4.9	4.7	4.9	4.4	4.7	4.6	4.6
		+0.5	+0.7	+0.1	+0.9	+0.8	+0.6	+0.8	+0.3	+0.6	+0.5	+0.5
구로구	3.7	4.0	4.4	3.9	4.8	4.5	4.5	4.6	4.1	4.2	4.3	4.4
		+0.3	+0.7	+0.2	+1.1	+0.8	+0.8	+0.9	+0.4	+0.5	+0.6	+0.7
금천구	3.8	4.1	4.6	4.0	5.1	4.8	4.5	4.6	4.2	4.3	4.5	4.4
		+0.3	+0.8	+0.2	+1.3	+1.0	+0.7	+0.8	+0.4	+0.5	+0.7	+0.6
노원구	4.1	4.7	5.0	4.4	5.1	5.0	4.9	5.2	4.7	4.9	4.7	4.9
		+0.6	+0.9	+0.3	+1.0	+0.9	+0.8	+1.1	+0.6	+0.8	+0.6	+0.8
도봉구	4.1	5.0	5.2	4.7	5.3	5.3	5.0	5.6	4.8	5.1	5.0	5.2
		+0.9	+1.1	+0.6	+1.2	+1.2	+0.9	+1.5	+0.7	+1.0	+0.9	+1.1
동대문구	4.1	4.5	4.8	4.3	5.1	4.9	4.8	5.0	4.5	4.7	4.7	4.8
		+0.4	+0.7	+0.2	+1.0	+0.8	+0.7	+0.9	+0.4	+0.6	+0.6	+0.7
동작구	3.8	4.3	4.6	4.1	5.1	4.8	4.7	4.7	4.3	4.4	4.6	4.5
		+0.5	+0.8	+0.3	+1.3	+1.0	+0.9	+0.9	+0.5	+0.6	+0.8	+0.7
마포구	3.6	4.2	4.5	4.0	4.8	4.8	4.6	4.7	4.2	4.4	4.4	4.5
		+0.6	+0.9	+0.4	+1.2	+1.2	+1.0	+1.1	+0.6	+0.8	+0.8	+0.9
서대문구	3.7	4.7	4.7	4.2	5.0	5.0	4.8	5.0	4.4	4.7	4.6	4.7
		+1.0	+1.0	+0.5	+1.3	+1.3	+1.1	+1.3	+0.7	+1.0	+0.9	+1.0
서초구	4.0	4.4	4.8	4.2	5.1	4.9	4.7	4.9	4.4	4.6	4.6	4.6
		+0.4	+0.8	+0.2	+1.1	+0.9	+0.7	+0.9	+0.4	+0.6	+0.6	+0.6
성동구	4.0	4.5	4.8	4.3	5.1	4.9	4.8	5.0	4.5	4.6	4.7	4.8
		+0.5	+0.8	+0.3	+1.1	+0.9	+0.8	+1.0	+0.5	+0.6	+0.7	+0.8
성북구	4.0	4.8	5.0	4.4	5.2	5.1	5.0	5.2	4.7	4.9	4.8	4.9
		+0.8	+1.0	+0.4	+1.2	+1.1	+1.0	+1.2	+0.7	+0.9	+0.8	+0.9
송파구	3.9	4.3	4.9	4.1	4.9	4.8	4.7	4.8	4.4	4.6	4.5	4.6
		+0.4	+1.0	+0.2	+1.0	+0.9	+0.8	+0.9	+0.5	+0.7	+0.6	+0.7
양천구	3.7	4.1	4.3	3.9	4.8	4.7	4.7	4.7	4.3	4.2	4.4	4.5
		+0.4	+0.6	+0.2	+1.1	+1.0	+1.0	+1.0	+0.6	+0.5	+0.7	+0.8
영등포구	3.6	4.0	4.4	3.9	4.8	4.6	4.6	4.5	4.2	4.2	4.3	4.4
		+0.4	+0.8	+0.3	+1.2	+1.0	+1.0	+0.9	+0.6	+0.6	+0.7	+0.8
용산구	3.9	4.5	4.7	4.2	5.1	4.9	4.8	5.1	4.5	4.6	4.7	4.8
		+0.6	+0.8	+0.3	+1.2	+1.0	+0.9	+1.2	+0.6	+0.7	+0.8	+0.9
은평구	3.7	4.5	4.6	4.2	5.0	4.8	4.6	4.9	4.3	4.5	4.6	4.6
		+0.8	+0.9	+0.5	+1.3	+1.1	+0.9	+1.2	+0.6	+0.8	+0.9	+0.9
종로구	4.0	4.7	5.0	4.3	5.2	5.1	4.9	5.1	4.6	4.9	4.8	4.8
		+0.7	+1.0	+0.3	+1.2	+1.1	+0.9	+1.1	+0.6	+0.9	+0.8	+0.8
중구	4.0	4.6	4.8	4.2	5.1	4.9	4.9	5.1	4.5	4.7	4.7	4.8
		+0.6	+0.8	+0.2	+1.1	+0.9	+0.9	+1.1	+0.5	+0.7	+0.7	+0.8
종랑구	4.2	4.6	4.8	4.3	5.1	4.9	4.9	5.0	4.5	4.7	4.7	4.7
		+0.4	+0.6	+0.1	+0.9	+0.7	+0.7	+0.8	+0.3	+0.5	+0.5	+0.5

표 4-114. 서울특별시의 95퍼센타일강수량수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	3.9	5.0 +1.1	4.9 +1.0	5.0 +1.1	4.7 +0.8	5.0 +1.1	5.3 +1.4	5.0 +1.1	5.3 +1.4	5.0 +1.1	4.8 +0.9	5.2 +1.3
강남구	3.9	4.8 +0.9	4.7 +0.8	4.9 +1.0	4.5 +0.6	4.9 +1.0	5.1 +1.2	5.0 +1.1	5.2 +1.3	4.8 +0.9	4.7 +0.8	5.1 +1.2
강동구	4.0	4.9 +0.9	5.0 +1.0	5.1 +1.1	4.7 +0.7	5.0 +1.0	5.3 +1.3	4.9 +0.9	5.2 +1.2	5.0 +1.0	4.9 +0.9	5.0 +1.0
강북구	4.0	5.4 +1.4	5.4 +1.4	5.3 +1.3	5.0 +1.0	5.2 +1.2	5.7 +1.7	5.2 +1.2	5.5 +1.5	5.4 +1.4	5.1 +1.1	5.3 +1.3
강서구	3.8	4.8 +1.0	4.8 +1.0	4.7 +0.9	4.6 +0.8	4.9 +1.1	5.3 +1.5	4.8 +1.0	5.2 +1.4	4.8 +1.0	4.6 +0.8	5.0 +1.2
관악구	3.8	4.6 +0.8	4.7 +0.9	4.8 +1.0	4.5 +0.7	5.0 +1.2	5.2 +1.4	4.9 +1.1	5.3 +1.5	4.6 +0.8	4.7 +0.9	5.1 +1.3
광진구	4.1	5.0 +0.9	5.1 +1.0	5.0 +0.9	4.7 +0.6	5.0 +0.9	5.2 +1.1	5.1 +1.0	5.4 +1.3	5.0 +0.9	4.9 +0.8	5.3 +1.2
구로구	3.7	4.5 +0.8	4.5 +0.8	4.5 +0.8	4.5 +0.8	4.9 +1.2	5.2 +1.5	4.7 +1.0	5.2 +1.5	4.5 +0.8	4.5 +0.8	5.0 +1.3
금천구	3.8	4.5 +0.7	4.6 +0.8	4.7 +0.9	4.4 +0.6	5.1 +1.3	5.2 +1.4	4.8 +1.0	5.3 +1.5	4.6 +0.8	4.5 +0.7	5.0 +1.2
노원구	4.1	5.4 +1.3	5.3 +1.2	5.2 +1.1	4.9 +0.8	5.1 +1.0	5.5 +1.4	5.0 +0.9	5.5 +1.4	5.3 +1.2	5.0 +0.9	5.2 +1.1
도봉구	4.1	5.6 +1.5	5.6 +1.5	5.5 +1.4	5.1 +1.0	5.2 +1.1	5.8 +1.7	5.2 +1.1	5.6 +1.5	5.6 +1.5	5.3 +1.2	5.4 +1.3
동대문구	4.1	5.1 +1.0	5.1 +1.0	5.1 +1.0	4.9 +0.8	5.1 +1.0	5.4 +1.3	5.1 +1.0	5.4 +1.3	5.1 +1.0	5.0 +0.9	5.2 +1.1
동작구	3.8	4.8 +1.0	4.7 +0.9	4.8 +1.0	4.5 +0.7	4.9 +1.1	5.2 +1.4	4.9 +1.1	5.3 +1.5	4.7 +0.9	4.7 +0.9	5.1 +1.3
마포구	3.6	4.8 +1.2	4.8 +1.2	4.8 +1.2	4.5 +0.9	4.9 +1.3	5.3 +1.7	5.0 +1.4	5.2 +1.6	4.8 +1.2	4.7 +1.1	5.1 +1.5
서대문구	3.7	5.1 +1.4	5.0 +1.3	5.0 +1.3	4.8 +1.1	5.1 +1.4	5.4 +1.7	5.1 +1.4	5.4 +1.7	5.0 +1.3	4.9 +1.2	5.2 +1.5
서초구	4.0	5.0 +1.0	4.9 +0.9	5.0 +1.0	4.7 +0.7	5.0 +1.0	5.3 +1.3	5.1 +1.1	5.4 +1.4	4.9 +0.9	4.8 +0.8	5.3 +1.3
성동구	4.0	5.1 +1.1	4.9 +0.9	5.1 +1.1	4.8 +0.8	5.0 +1.0	5.4 +1.4	5.2 +1.2	5.4 +1.4	5.0 +1.0	4.9 +0.9	5.3 +1.3
성북구	4.0	5.3 +1.3	5.2 +1.2	5.1 +1.1	5.0 +1.0	5.2 +1.2	5.5 +1.5	5.1 +1.1	5.5 +1.5	5.3 +1.3	5.1 +1.1	5.3 +1.3
송파구	3.9	4.8 +0.9	4.9 +1.0	5.0 +1.1	4.7 +0.8	5.0 +1.1	5.2 +1.3	5.0 +1.1	5.2 +1.3	4.9 +1.0	4.9 +1.0	5.1 +1.2
양천구	3.7	4.7 +1.0	4.7 +1.0	4.7 +1.0	4.6 +0.9	4.9 +1.2	5.3 +1.6	4.8 +1.1	5.2 +1.5	4.7 +1.0	4.6 +0.9	5.0 +1.3
영등포구	3.6	4.6 +1.0	4.5 +0.9	4.5 +0.9	4.4 +0.8	4.8 +1.2	5.1 +1.5	4.8 +1.2	5.2 +1.6	4.5 +0.9	4.5 +0.9	5.0 +1.4
용산구	3.9	5.1 +1.2	5.0 +1.1	5.2 +1.3	4.8 +0.9	5.1 +1.2	5.3 +1.4	5.3 +1.4	5.4 +1.5	5.0 +1.1	5.0 +1.1	5.3 +1.4
은평구	3.7	5.0 +1.3	5.0 +1.3	4.9 +1.2	4.7 +1.0	5.0 +1.3	5.4 +1.7	4.9 +1.2	5.3 +1.6	5.0 +1.3	4.8 +1.1	5.1 +1.4
종로구	4.0	5.3 +1.3	5.2 +1.2	5.2 +1.2	5.0 +1.0	5.3 +1.3	5.5 +1.5	5.2 +1.2	5.4 +1.4	5.2 +1.2	5.1 +1.1	5.3 +1.3
중구	4.0	5.2 +1.2	5.0 +1.0	5.3 +1.3	4.9 +0.9	5.1 +1.1	5.4 +1.4	5.2 +1.2	5.3 +1.3	5.1 +1.1	5.1 +1.1	5.3 +1.3
종량구	4.2	5.2 +1.0	5.1 +0.9	5.1 +0.9	4.9 +0.7	5.1 +0.9	5.4 +1.2	5.1 +0.9	5.5 +1.3	5.2 +1.0	5.0 +0.8	5.3 +1.1



표 4-115. 서울특별시의 95퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	3.9	4.3 +0.4	4.8 +0.9	3.7 -0.2	5.2 +1.3	5.6 +1.7	5.5 +1.6	5.1 +1.2	4.9 +1.0	4.5 +0.6	4.5 +0.6	5.0 +1.1
강남구	3.9	4.2 +0.3	4.7 +0.8	3.8 -0.1	4.9 +1.0	5.3 +1.4	5.5 +1.6	4.9 +1.0	4.8 +0.9	4.5 +0.6	4.3 +0.4	4.9 +1.0
강동구	4.0	4.3 +0.3	4.8 +0.8	3.9 -0.1	5.1 +1.1	5.4 +1.4	5.6 +1.6	5.1 +1.1	4.9 +0.9	4.6 +0.6	4.5 +0.5	5.0 +1.0
강북구	4.0	4.5 +0.5	5.2 +1.2	3.8 -0.2	5.8 +1.8	5.7 +1.7	5.6 +1.6	5.4 +1.4	5.1 +1.1	4.9 +0.9	4.8 +0.8	5.2 +1.2
강서구	3.8	4.1 +0.3	4.7 +0.9	3.5 -0.3	5.1 +1.3	5.4 +1.6	5.2 +1.4	4.9 +1.1	4.8 +1.0	4.4 +0.6	4.3 +0.5	4.8 +1.0
관악구	3.8	4.1 +0.3	4.6 +0.8	3.6 -0.2	5.0 +1.2	5.4 +1.6	5.3 +1.5	4.9 +1.1	4.8 +1.0	4.4 +0.6	4.3 +0.5	4.9 +1.1
광진구	4.1	4.3 +0.2	4.9 +0.8	3.9 -0.2	5.2 +1.1	5.6 +1.5	5.7 +1.6	5.0 +0.9	4.8 +0.7	4.6 +0.5	4.6 +0.5	4.9 +0.8
구로구	3.7	3.9 +0.2	4.5 +0.8	3.5 -0.2	5.0 +1.3	5.4 +1.7	5.3 +1.6	4.8 +1.1	4.8 +1.1	4.2 +0.5	4.2 +0.5	4.8 +1.1
금천구	3.8	4.1 +0.3	4.8 +1.0	3.6 -0.2	5.0 +1.2	5.3 +1.5	5.3 +1.5	4.8 +1.0	4.7 +0.9	4.4 +0.6	4.3 +0.5	4.8 +1.0
노원구	4.1	4.6 +0.5	5.1 +1.0	3.8 -0.3	5.6 +1.5	5.6 +1.5	5.5 +1.4	5.3 +1.2	4.9 +0.8	4.9 +0.8	4.7 +0.6	5.1 +1.0
도봉구	4.1	4.7 +0.6	5.4 +1.3	3.9 -0.2	5.9 +1.8	5.9 +1.8	5.7 +1.6	5.7 +1.6	5.1 +1.0	5.1 +1.0	4.9 +0.8	5.4 +1.3
동대문구	4.1	4.4 +0.3	4.9 +0.8	3.8 -0.3	5.4 +1.3	5.6 +1.5	5.5 +1.4	5.1 +1.0	4.9 +0.8	4.7 +0.6	4.6 +0.5	5.0 +0.9
동작구	3.8	4.0 +0.2	4.7 +0.9	3.6 -0.2	5.0 +1.2	5.5 +1.7	5.4 +1.6	4.9 +1.1	4.9 +1.1	4.3 +0.5	4.3 +0.5	4.9 +1.1
마포구	3.6	4.0 +0.4	4.5 +0.9	3.4 -0.2	5.0 +1.4	5.6 +2.0	5.3 +1.7	4.9 +1.3	5.0 +1.4	4.2 +0.6	4.2 +0.6	4.9 +1.3
서대문구	3.7	4.3 +0.6	4.7 +1.0	3.6 -0.1	5.3 +1.6	5.7 +2.0	5.4 +1.7	5.2 +1.5	5.0 +1.3	4.5 +0.8	4.5 +0.8	5.1 +1.4
서초구	4.0	4.3 +0.3	4.9 +0.9	3.8 -0.2	5.1 +1.1	5.5 +1.5	5.6 +1.6	5.0 +1.0	4.9 +0.9	4.6 +0.6	4.4 +0.4	5.0 +1.0
성동구	4.0	4.4 +0.4	4.9 +0.9	3.8 -0.2	5.3 +1.3	5.7 +1.7	5.6 +1.6	5.1 +1.1	4.9 +0.9	4.6 +0.6	4.6 +0.6	5.0 +1.0
성북구	4.0	4.5 +0.5	5.1 +1.1	3.8 -0.2	5.7 +1.7	5.7 +1.7	5.6 +1.6	5.2 +1.2	5.1 +1.1	4.8 +0.8	4.8 +0.8	5.2 +1.2
송파구	3.9	4.2 +0.3	4.8 +0.9	3.8 -0.1	4.9 +1.0	5.4 +1.5	5.6 +1.7	5.1 +1.2	4.8 +0.9	4.5 +0.6	4.3 +0.4	5.0 +1.1
양천구	3.7	4.0 +0.3	4.6 +0.9	3.6 -0.1	5.1 +1.4	5.4 +1.7	5.3 +1.6	4.9 +1.2	4.8 +1.1	4.3 +0.6	4.3 +0.6	4.8 +1.1
영등포구	3.6	3.8 +0.2	4.5 +0.9	3.4 -0.2	4.9 +1.3	5.4 +1.8	5.2 +1.6	4.7 +1.1	4.8 +1.2	4.2 +0.6	4.1 +0.5	4.7 +1.1
용산구	3.9	4.3 +0.4	4.8 +0.9	3.6 -0.3	5.2 +1.3	5.8 +1.9	5.6 +1.7	5.0 +1.1	5.1 +1.2	4.5 +0.6	4.4 +0.5	5.0 +1.1
은평구	3.7	4.2 +0.5	4.7 +1.0	3.7 +0.0	5.3 +1.6	5.5 +1.8	5.3 +1.6	5.1 +1.4	4.9 +1.2	4.5 +0.8	4.5 +0.8	5.0 +1.3
종로구	4.0	4.4 +0.4	5.0 +1.0	3.8 -0.2	5.5 +1.5	5.8 +1.8	5.6 +1.6	5.2 +1.2	5.1 +1.1	4.7 +0.7	4.7 +0.7	5.2 +1.2
중구	4.0	4.4 +0.4	4.9 +0.9	3.7 -0.3	5.4 +1.4	5.8 +1.8	5.6 +1.6	5.1 +1.1	5.0 +1.0	4.7 +0.7	4.5 +0.5	5.0 +1.0
중랑구	4.2	4.4 +0.2	5.1 +0.9	3.9 -0.3	5.4 +1.2	5.6 +1.4	5.7 +1.5	5.2 +1.0	5.0 +0.8	4.7 +0.5	4.6 +0.4	5.1 +0.9

표 4-116. 서울특별시의 95퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	3.9	4.7 +0.8	4.0 +0.1	4.2 +0.3	4.8 +0.9	4.6 +0.7	5.1 +1.2	5.1 +1.2	5.2 +1.3	4.3 +0.4	4.5 +0.6	5.1 +1.2
강남구	3.9	4.7 +0.8	3.9 +0.0	4.0 +0.1	4.7 +0.8	4.6 +0.7	4.9 +1.0	4.9 +1.0	5.1 +1.2	4.3 +0.4	4.4 +0.5	5.0 +1.1
강동구	4.0	4.6 +0.6	4.1 +0.1	4.1 +0.1	4.6 +0.6	4.5 +0.5	4.9 +0.9	4.9 +0.9	5.2 +1.2	4.4 +0.4	4.3 +0.3	5.0 +1.0
강북구	4.0	4.6 +0.6	4.2 +0.2	4.6 +0.6	5.2 +1.2	4.9 +0.9	5.5 +1.5	5.4 +1.4	5.4 +1.4	4.4 +0.4	4.9 +0.9	5.4 +1.4
강서구	3.8	4.7 +0.9	3.8 +0.0	4.1 +0.3	4.6 +0.8	4.6 +0.8	4.9 +1.1	5.0 +1.2	5.1 +1.3	4.2 +0.4	4.3 +0.5	5.0 +1.2
관악구	3.8	4.7 +0.9	3.8 +0.0	4.0 +0.2	4.6 +0.8	4.6 +0.8	5.0 +1.2	5.1 +1.3	5.3 +1.5	4.3 +0.5	4.3 +0.5	5.2 +1.4
광진구	4.1	4.7 +0.6	4.1 +0.0	4.2 +0.1	4.9 +0.8	4.6 +0.5	5.0 +0.9	5.0 +0.9	5.1 +1.0	4.4 +0.3	4.5 +0.4	5.1 +1.0
구로구	3.7	4.6 +0.9	3.7 +0.0	4.0 +0.3	4.5 +0.8	4.5 +0.8	4.8 +1.1	5.0 +1.3	5.2 +1.5	4.2 +0.5	4.2 +0.5	5.1 +1.4
금천구	3.8	4.8 +1.0	3.8 +0.0	4.1 +0.3	4.6 +0.8	4.7 +0.9	4.9 +1.1	5.2 +1.4	5.3 +1.5	4.3 +0.5	4.4 +0.6	5.2 +1.4
노원구	4.1	4.5 +0.4	4.2 +0.1	4.4 +0.3	5.1 +1.0	4.7 +0.6	5.2 +1.1	5.2 +1.1	5.3 +1.2	4.4 +0.3	4.7 +0.6	5.3 +1.2
도봉구	4.1	4.9 +0.8	4.3 +0.2	4.7 +0.6	5.4 +1.3	4.9 +0.8	5.5 +1.4	5.4 +1.3	5.5 +1.4	4.6 +0.5	5.0 +0.9	5.5 +1.4
동대문구	4.1	4.7 +0.6	4.2 +0.1	4.4 +0.3	5.0 +0.9	4.7 +0.6	5.2 +1.1	5.1 +1.0	5.2 +1.1	4.4 +0.3	4.7 +0.6	5.1 +1.0
동작구	3.8	4.7 +0.9	3.8 +0.0	3.9 +0.1	4.6 +0.8	4.5 +0.7	4.9 +1.1	5.0 +1.2	5.2 +1.4	4.2 +0.4	4.3 +0.5	5.1 +1.3
마포구	3.6	4.6 +1.0	3.8 +0.2	3.9 +0.3	4.6 +1.0	4.5 +0.9	4.9 +1.3	5.1 +1.5	5.0 +1.4	4.2 +0.6	4.3 +0.7	5.0 +1.4
서대문구	3.7	4.8 +1.1	3.9 +0.2	4.2 +0.5	4.9 +1.2	4.7 +1.0	5.2 +1.5	5.1 +1.4	5.2 +1.5	4.3 +0.6	4.6 +0.9	5.2 +1.5
서초구	4.0	4.8 +0.8	3.9 -0.1	4.1 +0.1	4.8 +0.8	4.7 +0.7	5.0 +1.0	5.0 +1.0	5.2 +1.2	4.3 +0.3	4.4 +0.4	5.1 +1.1
성동구	4.0	4.7 +0.7	4.2 +0.2	4.3 +0.3	4.9 +0.9	4.7 +0.7	5.1 +1.1	5.1 +1.1	5.2 +1.2	4.5 +0.5	4.6 +0.6	5.1 +1.1
성북구	4.0	4.6 +0.6	4.2 +0.2	4.5 +0.5	5.1 +1.1	4.8 +0.8	5.4 +1.4	5.3 +1.3	5.3 +1.3	4.4 +0.4	4.8 +0.8	5.3 +1.3
송파구	3.9	4.6 +0.7	4.0 +0.1	4.0 +0.1	4.6 +0.7	4.5 +0.6	4.9 +1.0	4.8 +0.9	5.2 +1.3	4.3 +0.4	4.3 +0.4	5.0 +1.1
양천구	3.7	4.6 +0.9	3.8 +0.1	4.0 +0.3	4.6 +0.9	4.5 +0.8	4.9 +1.2	5.0 +1.3	5.0 +1.3	4.2 +0.5	4.3 +0.6	5.0 +1.3
영등포구	3.6	4.5 +0.9	3.6 +0.0	3.8 +0.2	4.4 +0.8	4.4 +0.8	4.7 +1.1	5.0 +1.4	5.0 +1.4	4.1 +0.5	4.1 +0.5	5.0 +1.4
용산구	3.9	4.7 +0.8	4.0 +0.1	4.2 +0.3	5.0 +1.1	4.6 +0.7	5.1 +1.2	5.1 +1.2	5.3 +1.4	4.4 +0.5	4.6 +0.7	5.2 +1.3
은평구	3.7	4.6 +0.9	3.8 +0.1	4.2 +0.5	4.8 +1.1	4.7 +1.0	5.1 +1.4	5.1 +1.4	5.0 +1.3	4.2 +0.5	4.5 +0.8	5.1 +1.4
종로구	4.0	4.8 +0.8	4.1 +0.1	4.5 +0.5	5.2 +1.2	4.8 +0.8	5.2 +1.2	5.2 +1.2	5.3 +1.3	4.5 +0.5	4.8 +0.8	5.2 +1.2
중구	4.0	4.8 +0.8	4.1 +0.1	4.3 +0.3	5.0 +1.0	4.7 +0.7	5.1 +1.1	5.1 +1.1	5.2 +1.2	4.4 +0.4	4.7 +0.7	5.1 +1.1
종량구	4.2	4.5 +0.3	4.2 +0.0	4.3 +0.1	4.9 +0.7	4.7 +0.5	5.2 +1.0	5.1 +0.9	5.2 +1.0	4.4 +0.2	4.6 +0.4	5.2 +1.0

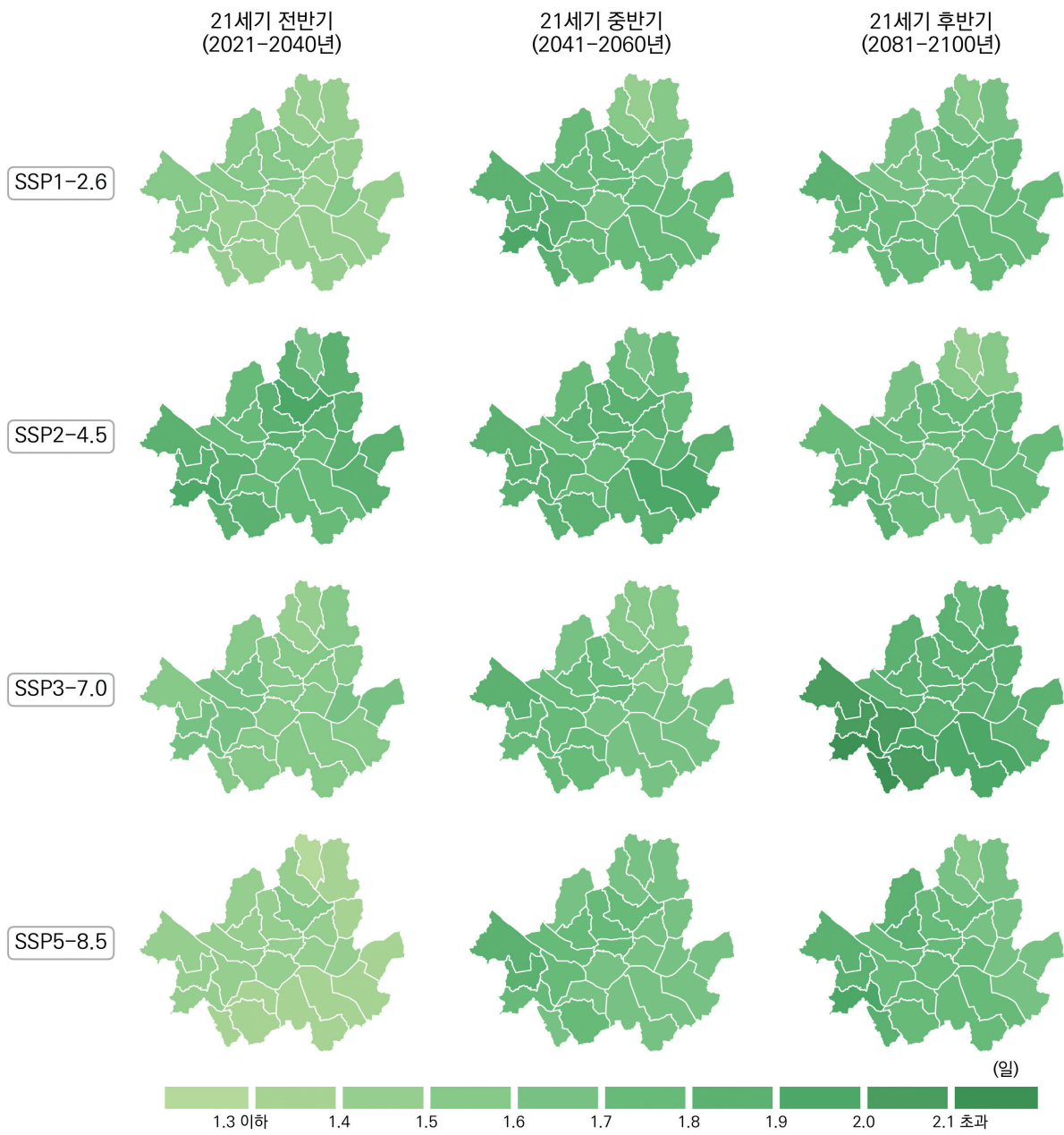


그림 4-39. 서울특별시의 99퍼센타일강수일수(일) 전망 분포도

표 4-117. 서울특별시의 99퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	1.2	1.5	1.6	1.7	1.9	1.6	1.8	1.9	1.6	1.5	1.8	1.7
		+0.3	+0.4	+0.5	+0.7	+0.4	+0.6	+0.7	+0.4	+0.3	+0.6	+0.5
강남구	1.1	1.4	1.7	1.7	1.9	1.7	1.8	1.9	1.7	1.5	1.8	1.8
		+0.3	+0.6	+0.6	+0.8	+0.6	+0.7	+0.8	+0.6	+0.4	+0.7	+0.7
강동구	1.2	1.4	1.7	1.7	1.8	1.6	1.7	1.9	1.7	1.5	1.8	1.8
		+0.2	+0.5	+0.5	+0.6	+0.4	+0.5	+0.7	+0.5	+0.3	+0.6	+0.6
강북구	1.2	1.5	1.6	1.6	1.7	1.6	1.7	1.8	1.6	1.5	1.6	1.7
		+0.3	+0.4	+0.4	+0.5	+0.4	+0.5	+0.6	+0.4	+0.3	+0.4	+0.5
강서구	1.2	1.6	1.6	1.8	2.0	1.7	2.0	2.0	1.7	1.6	1.9	1.9
		+0.4	+0.4	+0.6	+0.8	+0.5	+0.8	+0.8	+0.5	+0.4	+0.7	+0.7
관악구	1.0	1.4	1.6	1.7	1.9	1.6	1.8	1.9	1.7	1.5	1.8	1.8
		+0.4	+0.6	+0.7	+0.9	+0.6	+0.8	+0.9	+0.7	+0.5	+0.8	+0.8
광진구	1.2	1.5	1.6	1.7	1.9	1.7	1.7	1.9	1.7	1.6	1.8	1.8
		+0.3	+0.4	+0.5	+0.7	+0.5	+0.5	+0.7	+0.5	+0.4	+0.6	+0.6
구로구	1.2	1.5	1.6	1.9	2.1	1.7	2.0	2.0	1.6	1.6	2.0	1.8
		+0.3	+0.4	+0.7	+0.9	+0.5	+0.8	+0.8	+0.4	+0.4	+0.8	+0.6
금천구	1.0	1.4	1.6	1.8	2.0	1.7	1.9	2.0	1.6	1.5	1.9	1.8
		+0.4	+0.6	+0.8	+1.0	+0.7	+0.9	+1.0	+0.6	+0.5	+0.9	+0.8
노원구	1.3	1.5	1.6	1.6	1.7	1.6	1.5	1.8	1.7	1.5	1.6	1.7
		+0.2	+0.3	+0.3	+0.4	+0.3	+0.2	+0.5	+0.4	+0.2	+0.3	+0.4
도봉구	1.1	1.4	1.5	1.5	1.6	1.5	1.4	1.7	1.6	1.5	1.5	1.6
		+0.3	+0.4	+0.4	+0.5	+0.4	+0.3	+0.6	+0.5	+0.4	+0.4	+0.5
동대문구	1.2	1.5	1.6	1.6	1.8	1.5	1.6	1.8	1.6	1.5	1.7	1.7
		+0.3	+0.4	+0.4	+0.6	+0.3	+0.4	+0.6	+0.4	+0.3	+0.5	+0.5
동작구	1.2	1.3	1.6	1.7	1.9	1.6	1.8	1.9	1.6	1.5	1.8	1.8
		+0.1	+0.4	+0.5	+0.7	+0.4	+0.6	+0.7	+0.4	+0.3	+0.6	+0.6
마포구	1.2	1.5	1.6	1.7	1.9	1.6	1.8	1.8	1.6	1.6	1.8	1.7
		+0.3	+0.4	+0.5	+0.7	+0.4	+0.6	+0.6	+0.4	+0.4	+0.6	+0.5
서대문구	1.3	1.6	1.6	1.8	1.9	1.7	1.9	1.8	1.6	1.6	1.8	1.7
		+0.3	+0.3	+0.5	+0.6	+0.4	+0.6	+0.5	+0.3	+0.3	+0.5	+0.4
서초구	1.1	1.3	1.7	1.7	1.9	1.6	1.8	1.9	1.6	1.5	1.8	1.8
		+0.2	+0.6	+0.6	+0.8	+0.5	+0.7	+0.8	+0.5	+0.4	+0.7	+0.7
성동구	1.2	1.5	1.6	1.7	1.8	1.5	1.7	1.8	1.6	1.5	1.8	1.7
		+0.3	+0.4	+0.5	+0.6	+0.3	+0.5	+0.6	+0.4	+0.3	+0.6	+0.5
성북구	1.3	1.6	1.6	1.8	1.8	1.6	1.7	1.9	1.6	1.6	1.8	1.8
		+0.3	+0.3	+0.5	+0.5	+0.3	+0.4	+0.6	+0.3	+0.3	+0.5	+0.5
송파구	1.1	1.3	1.7	1.7	1.8	1.6	1.8	1.9	1.7	1.5	1.8	1.8
		+0.2	+0.6	+0.6	+0.7	+0.5	+0.7	+0.8	+0.6	+0.4	+0.7	+0.7
양천구	1.3	1.6	1.7	1.8	2.0	1.7	2.0	2.0	1.7	1.6	1.9	1.8
		+0.3	+0.4	+0.5	+0.7	+0.4	+0.7	+0.7	+0.4	+0.3	+0.6	+0.5
영등포구	1.3	1.4	1.6	1.8	2.0	1.6	1.8	2.0	1.6	1.5	1.9	1.8
		+0.1	+0.3	+0.5	+0.7	+0.3	+0.5	+0.7	+0.3	+0.2	+0.6	+0.5
용산구	1.2	1.5	1.6	1.7	1.8	1.6	1.7	1.8	1.6	1.5	1.7	1.7
		+0.3	+0.4	+0.5	+0.6	+0.4	+0.5	+0.6	+0.4	+0.3	+0.5	+0.5
은평구	1.2	1.6	1.5	1.8	1.8	1.6	1.8	1.8	1.6	1.6	1.8	1.7
		+0.4	+0.3	+0.6	+0.6	+0.4	+0.6	+0.6	+0.4	+0.4	+0.6	+0.5
종로구	1.2	1.6	1.6	1.8	1.8	1.6	1.8	1.8	1.6	1.6	1.8	1.7
		+0.4	+0.4	+0.6	+0.6	+0.4	+0.6	+0.6	+0.4	+0.4	+0.6	+0.5
중구	1.2	1.5	1.6	1.7	1.8	1.6	1.7	1.9	1.6	1.6	1.8	1.7
		+0.3	+0.4	+0.5	+0.6	+0.4	+0.5	+0.7	+0.4	+0.4	+0.6	+0.5
종량구	1.1	1.5	1.5	1.6	1.8	1.5	1.5	1.8	1.7	1.5	1.7	1.8
		+0.4	+0.4	+0.5	+0.7	+0.4	+0.4	+0.7	+0.6	+0.4	+0.6	+0.7

표 4-118. 서울특별시의 99퍼센타일강수량수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	1.2	2.0	1.8	2.1	1.7	1.9	2.1	1.7	1.9	1.9	1.9	1.8
		+0.8	+0.6	+0.9	+0.5	+0.7	+0.9	+0.5	+0.7	+0.7	+0.7	+0.6
강남구	1.1	1.9	1.8	2.2	1.8	1.9	2.0	1.7	1.8	1.8	2.0	1.8
		+0.8	+0.7	+1.1	+0.7	+0.8	+0.9	+0.6	+0.7	+0.7	+0.9	+0.7
강동구	1.2	2.0	1.8	2.1	1.7	2.0	2.0	1.8	1.8	1.9	1.9	1.8
		+0.8	+0.6	+0.9	+0.5	+0.8	+0.8	+0.6	+0.6	+0.7	+0.7	+0.6
강북구	1.2	2.0	1.8	2.0	1.7	1.9	1.9	1.6	1.7	1.9	1.8	1.6
		+0.8	+0.6	+0.8	+0.5	+0.7	+0.7	+0.4	+0.5	+0.7	+0.6	+0.4
강서구	1.2	2.0	1.9	2.1	1.6	2.0	2.3	1.6	2.1	1.9	1.9	1.8
		+0.8	+0.7	+0.9	+0.4	+0.8	+1.1	+0.4	+0.9	+0.7	+0.7	+0.6
관악구	1.0	2.0	1.8	2.1	1.7	1.9	2.1	1.7	2.0	1.9	1.9	1.8
		+1.0	+0.8	+1.1	+0.7	+0.9	+1.1	+0.7	+1.0	+0.9	+0.9	+0.8
광진구	1.2	2.0	1.8	2.1	1.8	2.0	2.1	1.8	1.9	1.9	1.9	1.8
		+0.8	+0.6	+0.9	+0.6	+0.8	+0.9	+0.6	+0.7	+0.7	+0.7	+0.6
구로구	1.2	2.1	1.8	2.1	1.8	2.1	2.3	1.6	2.1	2.0	1.9	1.9
		+0.9	+0.6	+0.9	+0.6	+0.9	+1.1	+0.4	+0.9	+0.8	+0.7	+0.7
금천구	1.0	2.0	1.8	2.0	1.8	1.9	2.2	1.7	2.0	1.9	1.9	1.9
		+1.0	+0.8	+1.0	+0.8	+0.9	+1.2	+0.7	+1.0	+0.9	+0.9	+0.9
노원구	1.3	2.0	1.8	2.0	1.7	1.9	1.9	1.6	1.7	1.9	1.8	1.6
		+0.7	+0.5	+0.7	+0.4	+0.6	+0.6	+0.3	+0.4	+0.6	+0.5	+0.3
도봉구	1.1	1.8	1.6	1.9	1.6	1.8	1.9	1.5	1.6	1.7	1.7	1.5
		+0.7	+0.5	+0.8	+0.5	+0.7	+0.8	+0.4	+0.5	+0.6	+0.6	+0.4
동대문구	1.2	2.0	1.7	2.0	1.7	1.9	2.0	1.8	1.8	1.9	1.9	1.8
		+0.8	+0.5	+0.8	+0.5	+0.7	+0.8	+0.6	+0.6	+0.7	+0.7	+0.6
동작구	1.2	1.9	1.7	2.0	1.6	1.9	2.0	1.6	1.9	1.8	1.8	1.8
		+0.7	+0.5	+0.8	+0.4	+0.7	+0.8	+0.4	+0.7	+0.6	+0.6	+0.6
마포구	1.2	1.9	1.7	2.1	1.6	1.9	2.1	1.7	1.9	1.8	1.8	1.8
		+0.7	+0.5	+0.9	+0.4	+0.7	+0.9	+0.5	+0.7	+0.6	+0.6	+0.6
서대문구	1.3	1.9	1.7	2.1	1.6	1.9	2.2	1.7	1.9	1.8	1.9	1.8
		+0.6	+0.4	+0.8	+0.3	+0.6	+0.9	+0.4	+0.6	+0.5	+0.6	+0.5
서초구	1.1	1.9	1.7	2.1	1.7	1.9	1.9	1.7	1.8	1.8	1.9	1.7
		+0.8	+0.6	+1.0	+0.6	+0.8	+0.8	+0.6	+0.7	+0.7	+0.8	+0.6
성동구	1.2	1.9	1.7	2.1	1.6	2.0	2.0	1.8	1.8	1.8	1.8	1.8
		+0.7	+0.5	+0.9	+0.4	+0.8	+0.8	+0.6	+0.6	+0.6	+0.6	+0.6
성북구	1.3	2.1	1.8	2.1	1.8	1.9	2.1	1.7	1.8	2.0	1.9	1.8
		+0.8	+0.5	+0.8	+0.5	+0.6	+0.8	+0.4	+0.5	+0.7	+0.6	+0.5
송파구	1.1	1.9	1.8	2.2	1.8	1.9	2.1	1.8	1.8	1.9	2.0	1.8
		+0.8	+0.7	+1.1	+0.7	+0.8	+1.0	+0.7	+0.7	+0.8	+0.9	+0.7
양천구	1.3	2.0	1.8	2.1	1.7	2.1	2.3	1.6	2.1	1.9	1.9	1.8
		+0.7	+0.5	+0.8	+0.4	+0.8	+1.0	+0.3	+0.8	+0.6	+0.6	+0.5
영등포구	1.3	2.0	1.8	2.0	1.7	1.9	2.1	1.6	2.0	1.9	1.9	1.8
		+0.7	+0.5	+0.7	+0.4	+0.6	+0.8	+0.3	+0.7	+0.6	+0.6	+0.5
용산구	1.2	1.9	1.7	2.0	1.6	1.9	2.0	1.7	1.8	1.8	1.8	1.7
		+0.7	+0.5	+0.8	+0.4	+0.7	+0.8	+0.5	+0.6	+0.6	+0.6	+0.5
은평구	1.2	1.8	1.7	2.1	1.6	1.9	2.1	1.6	1.8	1.8	1.8	1.7
		+0.6	+0.5	+0.9	+0.4	+0.7	+0.9	+0.4	+0.6	+0.6	+0.6	+0.5
종로구	1.2	2.1	1.8	2.1	1.7	1.9	2.1	1.8	1.8	1.9	1.9	1.8
		+0.9	+0.6	+0.9	+0.5	+0.7	+0.9	+0.6	+0.6	+0.7	+0.7	+0.6
중구	1.2	2.0	1.7	2.1	1.7	2.0	2.1	1.7	1.8	1.9	1.9	1.8
		+0.8	+0.5	+0.9	+0.5	+0.8	+0.9	+0.5	+0.6	+0.7	+0.7	+0.6
종랑구	1.1	2.0	1.8	2.0	1.7	1.9	2.0	1.7	1.8	1.9	1.8	1.8
		+0.9	+0.7	+0.9	+0.6	+0.8	+0.9	+0.6	+0.7	+0.8	+0.7	+0.7

표 4-119. 서울특별시의 99퍼센타일강수일수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	1.2	1.6	1.7	1.4	2.0	2.1	2.0	1.8	2.1	1.6	1.7	2.0
		+0.4	+0.5	+0.2	+0.8	+0.9	+0.8	+0.6	+0.9	+0.4	+0.5	+0.8
강남구	1.1	1.5	1.7	1.4	2.0	2.1	2.2	1.8	2.2	1.6	1.7	2.0
		+0.4	+0.6	+0.3	+0.9	+1.0	+1.1	+0.7	+1.1	+0.5	+0.6	+0.9
강동구	1.2	1.6	1.8	1.4	2.0	2.1	2.1	1.8	2.0	1.7	1.7	1.9
		+0.4	+0.6	+0.2	+0.8	+0.9	+0.9	+0.6	+0.8	+0.5	+0.5	+0.7
강북구	1.2	1.4	1.7	1.3	2.0	2.1	1.9	1.7	2.0	1.5	1.6	1.9
		+0.2	+0.5	+0.1	+0.8	+0.9	+0.7	+0.5	+0.8	+0.3	+0.4	+0.7
강서구	1.2	1.5	1.7	1.5	2.2	2.2	2.1	1.9	2.3	1.6	1.9	2.1
		+0.3	+0.5	+0.3	+1.0	+1.0	+0.9	+0.7	+1.1	+0.4	+0.7	+0.9
관악구	1.0	1.6	1.7	1.4	2.1	2.1	2.1	1.8	2.3	1.6	1.8	2.1
		+0.6	+0.7	+0.4	+1.1	+1.1	+1.1	+0.8	+1.3	+0.6	+0.8	+1.1
광진구	1.2	1.6	1.8	1.4	2.0	2.1	2.1	1.7	2.1	1.7	1.7	1.9
		+0.4	+0.6	+0.2	+0.8	+0.9	+0.9	+0.5	+0.9	+0.5	+0.5	+0.7
구로구	1.2	1.7	1.7	1.5	2.2	2.1	2.2	2.0	2.4	1.7	1.8	2.2
		+0.5	+0.5	+0.3	+1.0	+0.9	+1.0	+0.8	+1.2	+0.5	+0.6	+1.0
금천구	1.0	1.6	1.6	1.5	2.1	2.1	2.2	1.9	2.5	1.6	1.8	2.2
		+0.6	+0.6	+0.5	+1.1	+1.1	+1.2	+0.9	+1.5	+0.6	+0.8	+1.2
노원구	1.3	1.5	1.7	1.3	2.0	2.0	1.9	1.8	2.0	1.6	1.6	1.9
		+0.2	+0.4	+0.0	+0.7	+0.7	+0.6	+0.5	+0.7	+0.3	+0.3	+0.6
도봉구	1.1	1.4	1.5	1.3	1.9	2.0	1.8	1.7	1.9	1.5	1.6	1.8
		+0.3	+0.4	+0.2	+0.8	+0.9	+0.7	+0.6	+0.8	+0.4	+0.5	+0.7
동대문구	1.2	1.6	1.7	1.3	2.0	2.2	1.9	1.8	2.0	1.6	1.6	1.9
		+0.4	+0.5	+0.1	+0.8	+1.0	+0.7	+0.6	+0.8	+0.4	+0.4	+0.7
동작구	1.2	1.6	1.7	1.5	2.1	2.0	2.0	1.8	2.2	1.6	1.8	2.0
		+0.4	+0.5	+0.3	+0.9	+0.8	+0.8	+0.6	+1.0	+0.4	+0.6	+0.8
마포구	1.2	1.6	1.7	1.5	2.1	2.0	2.0	1.8	2.1	1.7	1.8	1.9
		+0.4	+0.5	+0.3	+0.9	+0.8	+0.8	+0.6	+0.9	+0.5	+0.6	+0.7
서대문구	1.3	1.6	1.8	1.5	2.1	2.1	2.0	1.8	2.1	1.7	1.8	1.9
		+0.3	+0.5	+0.2	+0.8	+0.8	+0.7	+0.5	+0.8	+0.4	+0.5	+0.6
서초구	1.1	1.5	1.7	1.5	2.0	2.0	2.1	1.8	2.2	1.6	1.7	2.0
		+0.4	+0.6	+0.4	+0.9	+0.9	+1.0	+0.7	+1.1	+0.5	+0.6	+0.9
성동구	1.2	1.6	1.7	1.4	2.0	2.1	2.0	1.7	2.1	1.6	1.7	1.9
		+0.4	+0.5	+0.2	+0.8	+0.9	+0.8	+0.5	+0.9	+0.4	+0.5	+0.7
성북구	1.3	1.5	1.8	1.4	2.1	2.2	2.1	1.8	2.1	1.6	1.7	1.9
		+0.2	+0.5	+0.1	+0.8	+0.9	+0.8	+0.5	+0.8	+0.3	+0.4	+0.6
송파구	1.1	1.5	1.8	1.4	2.1	2.1	2.2	1.8	2.1	1.6	1.7	1.9
		+0.4	+0.7	+0.3	+1.0	+1.0	+1.1	+0.7	+1.0	+0.5	+0.6	+0.8
양천구	1.3	1.6	1.7	1.5	2.2	2.1	2.1	1.9	2.3	1.7	1.8	2.1
		+0.3	+0.4	+0.2	+0.9	+0.8	+0.8	+0.6	+1.0	+0.4	+0.5	+0.8
영등포구	1.3	1.6	1.7	1.4	2.2	2.0	2.0	1.9	2.3	1.7	1.8	2.1
		+0.3	+0.4	+0.1	+0.9	+0.7	+0.7	+0.6	+1.0	+0.4	+0.5	+0.8
용산구	1.2	1.6	1.7	1.4	2.1	1.9	2.0	1.7	2.0	1.6	1.7	1.9
		+0.4	+0.5	+0.2	+0.9	+0.7	+0.8	+0.5	+0.8	+0.4	+0.5	+0.7
은평구	1.2	1.5	1.7	1.4	2.0	2.1	1.9	1.7	2.0	1.6	1.7	1.9
		+0.3	+0.5	+0.2	+0.8	+0.9	+0.7	+0.5	+0.8	+0.4	+0.5	+0.7
종로구	1.2	1.6	1.7	1.4	2.1	2.1	2.0	1.8	2.1	1.6	1.8	1.9
		+0.4	+0.5	+0.2	+0.9	+0.9	+0.8	+0.6	+0.9	+0.4	+0.6	+0.7
중구	1.2	1.6	1.7	1.4	2.1	2.1	2.0	1.7	2.1	1.6	1.8	1.9
		+0.4	+0.5	+0.2	+0.9	+0.9	+0.8	+0.5	+0.9	+0.4	+0.6	+0.7
종량구	1.1	1.6	1.7	1.3	2.0	2.1	1.9	1.8	2.1	1.6	1.6	1.9
		+0.5	+0.6	+0.2	+0.9	+1.0	+0.8	+0.7	+1.0	+0.5	+0.5	+0.8

표 4-120. 서울특별시의 99퍼센타일강수량수 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	1.2	1.5	1.5	1.6	1.9	1.7	1.9	1.8	1.8	1.5	1.7	1.8
		+0.3	+0.3	+0.4	+0.7	+0.5	+0.7	+0.6	+0.6	+0.3	+0.5	+0.6
강남구	1.1	1.4	1.4	1.5	1.8	1.6	1.9	1.7	1.8	1.4	1.7	1.8
		+0.3	+0.3	+0.4	+0.7	+0.5	+0.8	+0.6	+0.7	+0.3	+0.6	+0.7
강동구	1.2	1.5	1.4	1.6	1.8	1.5	1.9	1.6	1.7	1.4	1.7	1.7
		+0.3	+0.2	+0.4	+0.6	+0.3	+0.7	+0.4	+0.5	+0.2	+0.5	+0.5
강북구	1.2	1.5	1.4	1.6	1.8	1.6	1.9	1.6	1.8	1.5	1.7	1.7
		+0.3	+0.2	+0.4	+0.6	+0.4	+0.7	+0.4	+0.6	+0.3	+0.5	+0.5
강서구	1.2	1.5	1.6	1.8	2.0	1.8	2.1	1.9	2.0	1.5	1.9	1.9
		+0.3	+0.4	+0.6	+0.8	+0.6	+0.9	+0.7	+0.8	+0.3	+0.7	+0.7
관악구	1.0	1.4	1.5	1.6	1.9	1.7	2.0	1.7	1.9	1.4	1.8	1.8
		+0.4	+0.5	+0.6	+0.9	+0.7	+1.0	+0.7	+0.9	+0.4	+0.8	+0.8
광진구	1.2	1.6	1.4	1.6	1.8	1.6	1.9	1.7	1.8	1.5	1.7	1.7
		+0.4	+0.2	+0.4	+0.6	+0.4	+0.7	+0.5	+0.6	+0.3	+0.5	+0.5
구로구	1.2	1.4	1.6	1.7	2.0	1.8	2.1	1.9	2.0	1.5	1.8	2.0
		+0.2	+0.4	+0.5	+0.8	+0.6	+0.9	+0.7	+0.8	+0.3	+0.6	+0.8
금천구	1.0	1.4	1.4	1.6	1.9	1.8	2.0	1.8	2.0	1.4	1.7	1.9
		+0.4	+0.4	+0.6	+0.9	+0.8	+1.0	+0.8	+1.0	+0.4	+0.7	+0.9
노원구	1.3	1.4	1.4	1.6	1.8	1.6	1.9	1.6	1.7	1.4	1.7	1.7
		+0.1	+0.1	+0.3	+0.5	+0.3	+0.6	+0.3	+0.4	+0.1	+0.4	+0.4
도봉구	1.1	1.3	1.3	1.6	1.8	1.6	1.8	1.5	1.7	1.3	1.7	1.6
		+0.2	+0.2	+0.5	+0.7	+0.5	+0.7	+0.4	+0.6	+0.2	+0.6	+0.5
동대문구	1.2	1.6	1.4	1.6	1.8	1.6	1.9	1.7	1.7	1.5	1.7	1.7
		+0.4	+0.2	+0.4	+0.6	+0.4	+0.7	+0.5	+0.5	+0.3	+0.5	+0.5
동작구	1.2	1.4	1.5	1.6	1.9	1.7	1.9	1.8	1.8	1.4	1.7	1.8
		+0.2	+0.3	+0.4	+0.7	+0.5	+0.7	+0.6	+0.6	+0.2	+0.5	+0.6
마포구	1.2	1.4	1.6	1.6	1.9	1.7	1.9	1.8	1.8	1.5	1.8	1.8
		+0.2	+0.4	+0.4	+0.7	+0.5	+0.7	+0.6	+0.6	+0.3	+0.6	+0.6
서대문구	1.3	1.5	1.6	1.7	2.0	1.8	1.9	1.9	1.9	1.5	1.8	1.9
		+0.2	+0.3	+0.4	+0.7	+0.5	+0.6	+0.6	+0.6	+0.2	+0.5	+0.6
서초구	1.1	1.4	1.4	1.6	1.8	1.6	1.9	1.8	1.8	1.4	1.7	1.8
		+0.3	+0.3	+0.5	+0.7	+0.5	+0.8	+0.7	+0.7	+0.3	+0.6	+0.7
성동구	1.2	1.6	1.4	1.5	1.9	1.6	1.9	1.7	1.8	1.5	1.7	1.8
		+0.4	+0.2	+0.3	+0.7	+0.4	+0.7	+0.5	+0.6	+0.3	+0.5	+0.6
성북구	1.3	1.6	1.5	1.7	1.9	1.7	1.9	1.8	1.9	1.6	1.8	1.8
		+0.3	+0.2	+0.4	+0.6	+0.4	+0.6	+0.5	+0.6	+0.3	+0.5	+0.5
송파구	1.1	1.4	1.4	1.6	1.9	1.5	1.9	1.7	1.8	1.4	1.7	1.7
		+0.3	+0.3	+0.5	+0.8	+0.4	+0.8	+0.6	+0.7	+0.3	+0.6	+0.6
양천구	1.3	1.5	1.6	1.7	2.0	1.8	2.1	1.9	2.0	1.5	1.9	1.9
		+0.2	+0.3	+0.4	+0.7	+0.5	+0.8	+0.6	+0.7	+0.2	+0.6	+0.6
영등포구	1.3	1.4	1.5	1.6	1.9	1.7	2.0	1.8	1.9	1.5	1.8	1.8
		+0.1	+0.2	+0.3	+0.6	+0.4	+0.7	+0.5	+0.6	+0.2	+0.5	+0.5
용산구	1.2	1.5	1.5	1.6	1.9	1.6	1.9	1.7	1.8	1.5	1.7	1.8
		+0.3	+0.3	+0.4	+0.7	+0.4	+0.7	+0.5	+0.6	+0.3	+0.5	+0.6
은평구	1.2	1.4	1.5	1.6	1.9	1.8	2.0	1.8	1.9	1.5	1.7	1.9
		+0.2	+0.3	+0.4	+0.7	+0.6	+0.8	+0.6	+0.7	+0.3	+0.5	+0.7
종로구	1.2	1.6	1.5	1.6	1.9	1.8	1.9	1.8	1.8	1.5	1.8	1.8
		+0.4	+0.3	+0.4	+0.7	+0.6	+0.7	+0.6	+0.6	+0.3	+0.6	+0.6
중구	1.2	1.5	1.5	1.6	2.0	1.7	1.9	1.8	1.9	1.5	1.8	1.8
		+0.3	+0.3	+0.4	+0.8	+0.5	+0.7	+0.6	+0.7	+0.3	+0.6	+0.6
종랑구	1.1	1.5	1.4	1.6	1.8	1.5	1.9	1.7	1.7	1.4	1.7	1.7
		+0.4	+0.3	+0.5	+0.7	+0.4	+0.8	+0.6	+0.6	+0.3	+0.6	+0.6

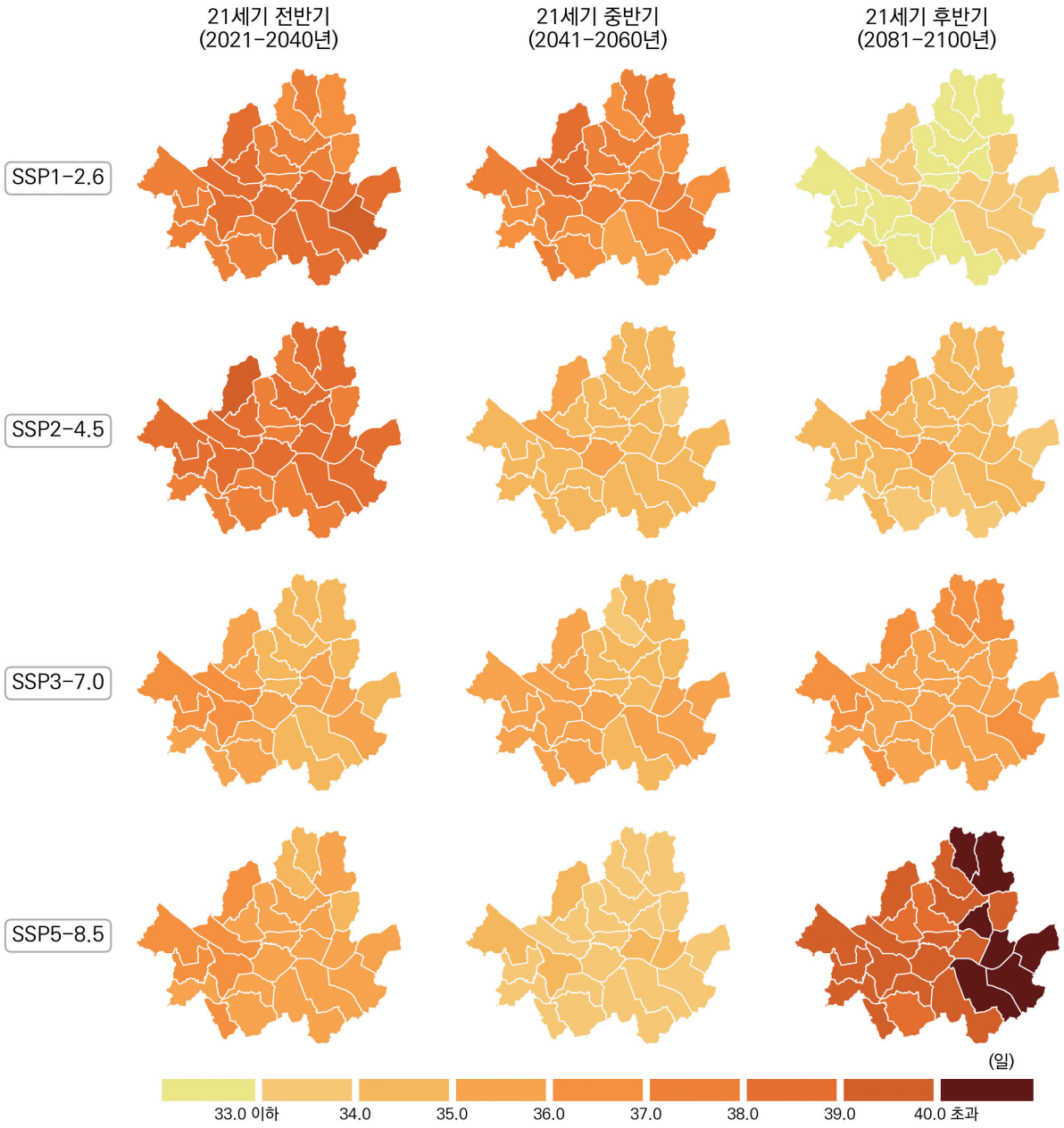


그림 4-40. 서울특별시의 최대무강수지속기간(일) 전망 분포도



표 4-121. 서울특별시의 최대무강수지속기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP1-2.6)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	34.0	38.8	37.1	36.6	37.8	34.3	35.7	31.9	34.1	37.9	37.2	33.0
		+4.8	+3.1	+2.6	+3.8	+0.3	+1.7	-2.1	+0.1	+3.9	+3.2	-1.0
강남구	34.8	39.0	37.5	36.4	37.6	34.9	35.8	32.3	34.1	38.3	37.0	33.2
		+4.2	+2.7	+1.6	+2.8	+0.1	+1.0	-2.5	-0.7	+3.5	+2.2	-1.6
강동구	33.3	40.5	37.4	35.1	37.7	35.0	34.7	32.6	34.9	38.9	36.4	33.7
		+7.2	+4.1	+1.8	+4.4	+1.7	+1.4	-0.7	+1.6	+5.6	+3.1	+0.4
강북구	32.2	38.0	35.0	35.9	37.6	33.8	34.8	31.5	33.0	36.5	36.7	32.2
		+5.8	+2.8	+3.7	+5.4	+1.6	+2.6	-0.7	+0.8	+4.3	+4.5	+0.0
강서구	34.4	38.1	37.0	36.9	37.4	34.1	37.1	31.5	33.3	37.5	37.2	32.4
		+3.7	+2.6	+2.5	+3.0	-0.3	+2.7	-2.9	-1.1	+3.1	+2.8	-2.0
관악구	34.1	38.0	37.3	35.5	36.8	34.0	35.9	31.2	33.9	37.7	36.1	32.5
		+3.9	+3.2	+1.4	+2.7	-0.1	+1.8	-2.9	-0.2	+3.6	+2.0	-1.6
광진구	34.4	39.9	37.3	36.9	38.6	35.0	35.3	32.4	35.0	38.6	37.8	33.6
		+5.5	+2.9	+2.5	+4.2	+0.6	+0.9	-2.0	+0.6	+4.2	+3.4	-0.8
구로구	35.4	38.2	37.9	36.6	37.1	33.7	36.7	30.6	33.9	38.0	36.9	32.2
		+2.8	+2.5	+1.2	+1.7	-1.7	+1.3	-4.8	-1.5	+2.6	+1.5	-3.2
금천구	36.9	38.1	37.8	36.7	37.9	34.1	36.6	32.1	35.0	38.0	37.3	33.5
		+1.2	+0.9	-0.2	+1.0	-2.8	-0.3	-4.8	-1.9	+1.1	+0.4	-3.4
노원구	33.0	38.5	35.5	36.6	38.2	34.3	34.6	32.3	33.5	37.0	37.4	32.9
		+5.5	+2.5	+3.6	+5.2	+1.3	+1.6	-0.7	+0.5	+4.0	+4.4	-0.1
도봉구	32.7	39.2	35.2	36.4	39.0	34.5	35.1	31.6	33.1	37.2	37.7	32.3
		+6.5	+2.5	+3.7	+6.3	+1.8	+2.4	-1.1	+0.4	+4.5	+5.0	-0.4
동대문구	32.7	38.6	36.4	36.3	37.5	34.9	34.7	31.5	34.4	37.5	36.9	32.9
		+5.9	+3.7	+3.6	+4.8	+2.2	+2.0	-1.2	+1.7	+4.8	+4.2	+0.2
동작구	34.7	38.5	37.5	36.0	37.0	34.4	36.4	32.0	34.0	38.0	36.5	32.9
		+3.8	+2.8	+1.3	+2.3	-0.3	+1.7	-2.7	-0.7	+3.3	+1.8	-1.8
마포구	33.9	39.4	38.0	37.7	39.2	34.3	36.3	32.1	34.6	38.7	38.5	33.3
		+5.5	+4.1	+3.8	+5.3	+0.4	+2.4	-1.8	+0.7	+4.8	+4.6	-0.6
서대문구	33.6	38.6	37.5	37.5	39.0	34.0	35.7	32.2	34.5	38.1	38.3	33.3
		+5.0	+3.9	+3.9	+5.4	+0.4	+2.1	-1.4	+0.9	+4.5	+4.7	-0.3
서초구	34.1	38.8	37.4	35.7	35.8	34.4	36.0	31.8	33.7	38.1	35.8	32.7
		+4.7	+3.3	+1.6	+1.7	+0.3	+1.9	-2.3	-0.4	+4.0	+1.7	-1.4
성동구	33.9	39.2	37.3	37.2	37.4	34.9	35.6	32.4	34.4	38.3	37.3	33.4
		+5.3	+3.4	+3.3	+3.5	+1.0	+1.7	-1.5	+0.5	+4.4	+3.4	-0.5
성북구	32.2	38.6	36.0	36.6	37.8	33.9	35.3	32.3	33.7	37.3	37.2	32.9
		+6.4	+3.8	+4.4	+5.6	+1.7	+3.1	+0.1	+1.5	+5.1	+5.0	+0.7
송파구	35.2	40.3	37.9	35.9	38.7	35.2	35.1	32.7	34.8	39.1	37.3	33.7
		+5.1	+2.7	+0.7	+3.5	+0.0	-0.1	-2.5	-0.4	+3.9	+2.1	-1.5
양천구	35.0	38.1	37.6	36.8	37.1	34.3	36.7	31.0	33.5	37.9	37.0	32.2
		+3.1	+2.6	+1.8	+2.1	-0.7	+1.7	-4.0	-1.5	+2.9	+2.0	-2.8
영등포구	36.4	38.9	38.0	36.8	38.1	34.7	36.8	31.4	33.6	38.4	37.5	32.4
		+2.5	+1.6	+0.4	+1.7	-1.7	+0.4	-5.0	-2.8	+2.0	+1.1	-4.0
용산구	33.4	39.3	37.7	37.7	37.7	34.4	36.0	32.4	34.7	38.5	37.7	33.5
		+5.9	+4.3	+4.3	+4.3	+1.0	+2.6	-1.0	+1.3	+5.1	+4.3	+0.1
은평구	35.1	39.7	37.7	38.0	39.9	33.7	36.0	33.1	34.6	38.7	38.9	33.8
		+4.6	+2.6	+2.9	+4.8	-1.4	+0.9	-2.0	-0.5	+3.6	+3.8	-1.3
종로구	32.9	38.4	37.0	36.8	38.1	34.1	35.4	31.8	33.8	37.7	37.5	32.7
		+5.5	+4.1	+3.9	+5.2	+1.2	+2.5	-1.1	+0.9	+4.8	+4.6	-0.2
중구	33.0	38.0	37.1	36.8	36.6	34.3	35.2	31.6	33.7	37.5	36.7	32.6
		+5.0	+4.1	+3.8	+3.6	+1.3	+2.2	-1.4	+0.7	+4.5	+3.7	-0.4
종랑구	32.3	38.0	35.7	35.6	36.9	34.2	34.5	32.3	34.5	36.8	36.3	33.4
		+5.7	+3.4	+3.3	+4.6	+1.9	+2.2	+0.0	+2.2	+4.5	+4.0	+1.1

표 4-122. 서울특별시의 최대무강수지속기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP2-4.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	34.0	37.5	38.7	34.0	35.2	33.1	34.7	34.2	34.9	38.1	34.6	34.5
		+3.5	+4.7	+0.0	+1.2	-0.9	+0.7	+0.2	+0.9	+4.1	+0.6	+0.5
강남구	34.8	37.7	38.9	34.3	35.1	33.6	35.0	34.0	35.5	38.3	34.7	34.7
		+2.9	+4.1	-0.5	+0.3	-1.2	+0.2	-0.8	+0.7	+3.5	-0.1	-0.1
강동구	33.3	37.7	38.9	34.4	35.4	33.4	34.9	32.8	34.8	38.3	34.9	33.8
		+4.4	+5.6	+1.1	+2.1	+0.1	+1.6	-0.5	+1.5	+5.0	+1.6	+0.5
강북구	32.2	37.5	37.8	33.8	34.6	32.3	34.3	33.7	34.9	37.7	34.2	34.3
		+5.3	+5.6	+1.6	+2.4	+0.1	+2.1	+1.5	+2.7	+5.5	+2.0	+2.1
강서구	34.4	37.3	39.0	34.5	35.5	33.8	34.8	35.1	34.7	38.1	35.0	34.9
		+2.9	+4.6	+0.1	+1.1	-0.6	+0.4	+0.7	+0.3	+3.7	+0.6	+0.5
관악구	34.1	36.7	37.4	33.2	35.1	33.1	33.9	34.1	33.4	37.1	34.1	33.7
		+2.6	+3.3	-0.9	+1.0	-1.0	-0.2	+0.0	-0.7	+3.0	+0.0	-0.4
광진구	34.4	37.6	39.8	34.0	35.3	32.9	35.1	34.1	35.7	38.7	34.7	34.9
		+3.2	+5.4	-0.4	+0.9	-1.5	+0.7	-0.3	+1.3	+4.3	+0.3	+0.5
구로구	35.4	36.2	38.7	33.8	34.5	32.9	33.7	34.6	32.8	37.4	34.2	33.7
		+0.8	+3.3	-1.6	-0.9	-2.5	-1.7	-0.8	-2.6	+2.0	-1.2	-1.7
금천구	36.9	37.0	37.9	33.5	35.6	33.6	34.3	35.1	33.3	37.4	34.6	34.2
		+0.1	+1.0	-3.4	-1.3	-3.3	-2.6	-1.8	-3.6	+0.5	-2.3	-2.7
노원구	33.0	38.2	38.3	34.1	35.2	32.1	34.4	33.3	36.0	38.3	34.7	34.6
		+5.2	+5.3	+1.1	+2.2	-0.9	+1.4	+0.3	+3.0	+5.3	+1.7	+1.6
도봉구	32.7	38.1	38.5	34.3	35.3	32.1	34.8	33.9	35.8	38.3	34.8	34.8
		+5.4	+5.8	+1.6	+2.6	-0.6	+2.1	+1.2	+3.1	+5.6	+2.1	+2.1
동대문구	32.7	37.8	38.7	33.4	34.9	32.5	34.7	33.8	35.4	38.2	34.1	34.6
		+5.1	+6.0	+0.7	+2.2	-0.2	+2.0	+1.1	+2.7	+5.5	+1.4	+1.9
동작구	34.7	37.6	38.4	33.9	35.5	33.5	34.3	34.5	34.3	38.0	34.7	34.4
		+2.9	+3.7	-0.8	+0.8	-1.2	-0.4	-0.2	-0.4	+3.3	+0.0	-0.3
마포구	33.9	37.6	39.1	34.8	35.7	33.9	35.2	35.4	35.8	38.4	35.2	35.6
		+3.7	+5.2	+0.9	+1.8	+0.0	+1.3	+1.5	+1.9	+4.5	+1.3	+1.7
서대문구	33.6	38.0	39.1	34.3	35.5	33.7	34.7	34.6	35.2	38.5	34.9	34.9
		+4.4	+5.5	+0.7	+1.9	+0.1	+1.1	+1.0	+1.6	+4.9	+1.3	+1.3
서초구	34.1	37.5	37.9	33.9	35.0	33.1	34.4	33.7	34.0	37.7	34.4	33.8
		+3.4	+3.8	-0.2	+0.9	-1.0	+0.3	-0.4	-0.1	+3.6	+0.3	-0.3
성동구	33.9	37.8	39.3	33.8	35.4	32.9	35.5	34.2	35.7	38.6	34.6	34.9
		+3.9	+5.4	-0.1	+1.5	-1.0	+1.6	+0.3	+1.8	+4.7	+0.7	+1.0
성북구	32.2	37.8	38.6	33.6	34.9	32.5	34.6	33.5	35.8	38.2	34.2	34.6
		+5.6	+6.4	+1.4	+2.7	+0.3	+2.4	+1.3	+3.6	+6.0	+2.0	+2.4
송파구	35.2	37.7	38.8	34.5	35.5	33.6	34.7	33.4	35.3	38.3	35.0	34.3
		+2.5	+3.6	-0.7	+0.3	-1.6	-0.5	-1.8	+0.1	+3.1	-0.2	-0.9
양천구	35.0	37.0	39.1	34.3	35.3	33.5	34.1	34.7	34.0	38.1	34.8	34.3
		+2.0	+4.1	-0.7	+0.3	-1.5	-0.9	-0.3	-1.0	+3.1	-0.2	-0.7
영등포구	36.4	37.6	38.6	34.4	35.5	33.5	34.4	35.1	34.3	38.1	35.0	34.7
		+1.2	+2.2	-2.0	-0.9	-2.9	-2.0	-1.3	-2.1	+1.7	-1.4	-1.7
용산구	33.4	37.9	38.9	34.4	35.8	33.5	35.3	34.7	35.7	38.4	35.1	35.2
		+4.5	+5.5	+1.0	+2.4	+0.1	+1.9	+1.3	+2.3	+5.0	+1.7	+1.8
은평구	35.1	38.5	39.8	34.9	36.0	34.2	35.3	35.4	35.6	39.2	35.4	35.5
		+3.4	+4.7	-0.2	+0.9	-0.9	+0.2	+0.3	+0.5	+4.1	+0.3	+0.4
종로구	32.9	37.6	38.5	33.6	34.8	32.6	34.7	33.7	35.0	38.0	34.2	34.3
		+4.7	+5.6	+0.7	+1.9	-0.3	+1.8	+0.8	+2.1	+5.1	+1.3	+1.4
중구	33.0	37.1	38.3	33.6	34.6	32.6	34.7	33.8	35.0	37.7	34.1	34.4
		+4.1	+5.3	+0.6	+1.6	-0.4	+1.7	+0.8	+2.0	+4.7	+1.1	+1.4
종량구	32.3	36.7	38.5	33.8	34.3	32.6	34.4	32.9	34.6	37.6	34.0	33.7
		+4.4	+6.2	+1.5	+2.0	+0.3	+2.1	+0.6	+2.3	+5.3	+1.7	+1.4

표 4-123. 서울특별시의 최대무강수지속기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP3-7.0)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	34.0	37.7	32.9	34.5	35.7	35.4	34.6	35.5	36.0	35.3	35.1	35.7
		+3.7	-1.1	+0.5	+1.7	+1.4	+0.6	+1.5	+2.0	+1.3	+1.1	+1.7
강남구	34.8	36.7	32.7	35.1	35.1	35.8	34.9	35.4	35.8	34.7	35.1	35.6
		+1.9	-2.1	+0.3	+0.3	+1.0	+0.1	+0.6	+1.0	-0.1	+0.3	+0.8
강동구	33.3	36.8	33.2	34.3	36.1	35.4	34.0	35.4	35.4	35.0	35.2	35.4
		+3.5	-0.1	+1.0	+2.8	+2.1	+0.7	+2.1	+2.1	+1.7	+1.9	+2.1
강북구	32.2	36.3	32.7	32.8	35.3	35.1	34.0	36.0	36.6	34.5	34.0	36.3
		+4.1	+0.5	+0.6	+3.1	+2.9	+1.8	+3.8	+4.4	+2.3	+1.8	+4.1
강서구	34.4	40.2	33.4	35.8	36.1	35.9	35.4	37.1	35.6	36.8	36.0	36.4
		+5.8	-1.0	+1.4	+1.7	+1.5	+1.0	+2.7	+1.2	+2.4	+1.6	+2.0
관악구	34.1	38.4	32.0	35.2	35.0	35.6	33.3	34.8	35.5	35.2	35.1	35.1
		+4.3	-2.1	+1.1	+0.9	+1.5	-0.8	+0.7	+1.4	+1.1	+1.0	+1.0
광진구	34.4	36.6	33.6	35.2	36.2	35.5	35.0	35.4	36.2	35.1	35.7	35.8
		+2.2	-0.8	+0.8	+1.8	+1.1	+0.6	+1.0	+1.8	+0.7	+1.3	+1.4
구로구	35.4	39.4	32.5	35.2	35.2	36.2	34.1	35.2	35.9	35.9	35.2	35.6
		+4.0	-2.9	-0.2	-0.2	+0.8	-1.3	-0.2	+0.5	+0.5	-0.2	+0.2
금천구	36.9	38.9	32.7	35.5	35.4	37.0	34.0	36.2	36.5	35.8	35.4	36.4
		+2.0	-4.2	-1.4	-1.5	+0.1	-2.9	-0.7	-0.4	-1.1	-1.5	-0.5
노원구	33.0	36.6	32.6	32.8	35.9	34.6	33.9	35.9	36.4	34.6	34.4	36.1
		+3.6	-0.4	-0.2	+2.9	+1.6	+0.9	+2.9	+3.4	+1.6	+1.4	+3.1
도봉구	32.7	36.9	32.8	33.0	35.6	35.0	33.6	35.8	37.2	34.9	34.3	36.5
		+4.2	+0.1	+0.3	+2.9	+2.3	+0.9	+3.1	+4.5	+2.2	+1.6	+3.8
동대문구	32.7	36.8	33.4	33.2	35.4	35.3	35.0	35.5	35.8	35.1	34.3	35.7
		+4.1	+0.7	+0.5	+2.7	+2.6	+2.3	+2.8	+3.1	+2.4	+1.6	+3.0
동작구	34.7	38.7	32.7	35.2	35.7	35.3	33.9	35.0	35.7	35.7	35.4	35.4
		+4.0	-2.0	+0.5	+1.0	+0.6	-0.8	+0.3	+1.0	+1.0	+0.7	+0.7
마포구	33.9	39.1	33.2	35.5	36.4	35.4	35.6	35.4	36.1	36.1	36.0	35.7
		+5.2	-0.7	+1.6	+2.5	+1.5	+1.7	+1.5	+2.2	+2.2	+2.1	+1.8
서대문구	33.6	37.7	32.7	34.6	36.4	35.1	35.1	35.2	35.5	35.2	35.5	35.3
		+4.1	-0.9	+1.0	+2.8	+1.5	+1.5	+1.6	+1.9	+1.6	+1.9	+1.7
서초구	34.1	37.3	32.4	34.4	35.2	35.6	33.6	34.8	35.4	34.9	34.8	35.1
		+3.2	-1.7	+0.3	+1.1	+1.5	-0.5	+0.7	+1.3	+0.8	+0.7	+1.0
성동구	33.9	37.0	33.3	34.1	35.6	35.2	35.3	35.4	36.1	35.2	34.9	35.7
		+3.1	-0.6	+0.2	+1.7	+1.3	+1.4	+1.5	+2.2	+1.3	+1.0	+1.8
성북구	32.2	36.7	33.2	33.2	35.7	35.2	35.3	35.4	36.5	34.9	34.5	35.9
		+4.5	+1.0	+1.0	+3.5	+3.0	+3.1	+3.2	+4.3	+2.7	+2.3	+3.7
송파구	35.2	37.0	33.2	35.3	35.9	35.3	34.6	35.9	36.2	35.1	35.6	36.1
		+1.8	-2.0	+0.1	+0.7	+0.1	-0.6	+0.7	+1.0	-0.1	+0.4	+0.9
양천구	35.0	39.9	33.1	35.7	35.5	35.6	34.9	36.2	36.4	36.5	35.6	36.3
		+4.9	-1.9	+0.7	+0.5	+0.6	-0.1	+1.2	+1.4	+1.5	+0.6	+1.3
영등포구	36.4	39.4	33.0	35.8	36.1	35.2	34.7	35.4	36.1	36.2	35.9	35.7
		+3.0	-3.4	-0.6	-0.3	-1.2	-1.7	-1.0	-0.3	-0.2	-0.5	-0.7
용산구	33.4	38.3	33.1	34.9	36.0	35.3	35.4	35.2	35.5	35.7	35.4	35.3
		+4.9	-0.3	+1.5	+2.6	+1.9	+2.0	+1.8	+2.1	+2.3	+2.0	+1.9
은평구	35.1	38.4	32.9	35.1	36.1	35.7	35.7	36.5	36.6	35.7	35.6	36.5
		+3.3	-2.2	+0.0	+1.0	+0.6	+0.6	+1.4	+1.5	+0.6	+0.5	+1.4
종로구	32.9	36.8	32.8	33.5	35.7	35.1	35.0	34.8	35.6	34.8	34.6	35.2
		+3.9	-0.1	+0.6	+2.8	+2.2	+2.1	+1.9	+2.7	+1.9	+1.7	+2.3
중구	33.0	37.0	32.9	33.4	35.6	34.7	35.0	35.0	35.5	34.9	34.5	35.2
		+4.0	-0.1	+0.4	+2.6	+1.7	+2.0	+2.0	+2.5	+1.9	+1.5	+2.2
종랑구	32.3	35.6	33.1	33.1	35.6	35.0	34.0	35.4	35.2	34.3	34.3	35.3
		+3.3	+0.8	+0.8	+3.3	+2.7	+1.7	+3.1	+2.9	+2.0	+2.0	+3.0

표 4-124. 서울특별시의 최대무강수지속기간 21세기 전망과 현재 기후 값 대비 편차(일)(SSP5-8.5)

구분	2000-2019	2021-2030	2031-2040	2041-2050	2051-2060	2061-2070	2071-2080	2081-2090	2091-2100	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울특별시	34.0	36.2	35.1	36.1	31.5	32.4	36.3	42.3	36.9	35.6	33.8	39.8
		+2.2	+1.1	+2.1	-2.5	-1.6	+2.3	+8.3	+2.9	+1.6	-0.2	+5.8
강남구	34.8	36.2	35.2	36.3	31.7	32.1	36.7	42.8	37.4	35.7	34.0	40.2
		+1.4	+0.4	+1.5	-3.1	-2.7	+1.9	+8.0	+2.6	+0.9	-0.8	+5.4
강동구	33.3	35.5	35.3	35.4	31.5	31.9	36.6	44.0	36.8	35.4	33.4	40.6
		+2.2	+2.0	+2.1	-1.8	-1.4	+3.3	+10.7	+3.5	+2.1	+0.1	+7.3
강북구	32.2	35.1	33.9	35.1	31.1	32.3	35.9	42.7	36.3	34.5	33.1	39.7
		+2.9	+1.7	+2.9	-1.1	+0.1	+3.7	+10.5	+4.1	+2.3	+0.9	+7.5
강서구	34.4	37.7	35.5	36.4	32.2	33.4	36.0	41.7	37.4	36.6	34.3	39.7
		+3.3	+1.1	+2.0	-2.2	-1.0	+1.6	+7.3	+3.0	+2.2	-0.1	+5.3
관악구	34.1	36.0	34.8	36.0	31.0	32.6	36.2	40.5	37.4	35.4	33.5	39.0
		+1.9	+0.7	+1.9	-3.1	-1.5	+2.1	+6.4	+3.3	+1.3	-0.6	+4.9
광진구	34.4	36.0	35.2	36.5	32.0	32.3	36.7	43.7	37.2	35.6	34.3	40.6
		+1.6	+0.8	+2.1	-2.4	-2.1	+2.3	+9.3	+2.8	+1.2	-0.1	+6.2
구로구	35.4	36.4	35.2	36.4	31.2	32.7	36.1	41.0	37.4	35.8	33.8	39.3
		+1.0	-0.2	+1.0	-4.2	-2.7	+0.7	+5.6	+2.0	+0.4	-1.6	+3.9
금천구	36.9	36.5	36.2	36.7	31.3	33.2	36.7	41.7	37.8	36.3	34.0	39.9
		-0.4	-0.7	-0.2	-5.6	-3.7	-0.2	+4.8	+0.9	-0.6	-2.9	+3.0
노원구	33.0	35.1	35.1	35.5	31.2	32.3	35.8	42.9	37.1	35.1	33.4	40.2
		+2.1	+2.1	+2.5	-1.8	-0.7	+2.8	+9.9	+4.1	+2.1	+0.4	+7.2
도봉구	32.7	35.5	34.5	36.1	31.0	32.9	36.1	43.2	37.2	35.0	33.6	40.4
		+2.8	+1.8	+3.4	-1.7	+0.2	+3.4	+10.5	+4.5	+2.3	+0.9	+7.7
동대문구	32.7	36.1	34.2	35.8	31.8	32.1	36.5	43.4	36.7	35.1	33.8	40.2
		+3.4	+1.5	+3.1	-0.9	-0.6	+3.8	+10.7	+4.0	+2.4	+1.1	+7.5
동작구	34.7	36.3	35.2	36.4	31.2	32.9	36.4	41.1	37.1	35.8	33.8	39.2
		+1.6	+0.5	+1.7	-3.5	-1.8	+1.7	+6.4	+2.4	+1.1	-0.9	+4.5
마포구	33.9	36.9	35.5	36.3	31.7	33.1	36.4	42.2	36.8	36.2	34.0	39.7
		+3.0	+1.6	+2.4	-2.2	-0.8	+2.5	+8.3	+2.9	+2.3	+0.1	+5.8
서대문구	33.6	36.3	35.2	36.3	31.6	32.4	36.0	41.8	36.0	35.8	33.9	39.0
		+2.7	+1.6	+2.7	-2.0	-1.2	+2.4	+8.2	+2.4	+2.2	+0.3	+5.4
서초구	34.1	35.7	34.6	36.3	31.3	32.2	36.1	41.8	36.9	35.1	33.8	39.5
		+1.6	+0.5	+2.2	-2.8	-1.9	+2.0	+7.7	+2.8	+1.0	-0.3	+5.4
성동구	33.9	36.2	35.2	36.5	31.7	32.1	36.5	42.6	37.0	35.7	34.1	39.9
		+2.3	+1.3	+2.6	-2.2	-1.8	+2.6	+8.7	+3.1	+1.8	+0.2	+6.0
성북구	32.2	36.0	34.4	35.8	31.9	32.2	36.1	43.0	36.2	35.2	33.8	39.8
		+3.8	+2.2	+3.6	-0.3	+0.0	+3.9	+10.8	+4.0	+3.0	+1.6	+7.6
송파구	35.2	36.5	35.4	36.1	31.9	32.0	37.0	43.3	38.1	36.0	34.0	40.8
		+1.3	+0.2	+0.9	-3.3	-3.2	+1.8	+8.1	+2.9	+0.8	-1.2	+5.6
양천구	35.0	37.3	35.5	36.3	31.7	33.0	35.9	41.3	37.7	36.4	34.0	39.6
		+2.3	+0.5	+1.3	-3.3	-2.0	+0.9	+6.3	+2.7	+1.4	-1.0	+4.6
영등포구	36.4	36.8	35.6	36.8	31.8	33.3	36.9	41.7	37.5	36.2	34.3	39.7
		+0.4	-0.8	+0.4	-4.6	-3.1	+0.5	+5.3	+1.1	-0.2	-2.1	+3.3
용산구	33.4	35.9	35.7	36.2	31.6	32.7	36.3	41.9	36.6	35.8	33.9	39.4
		+2.5	+2.3	+2.8	-1.8	-0.7	+2.9	+8.5	+3.2	+2.4	+0.5	+6.0
은평구	35.1	37.0	35.7	36.5	31.7	33.2	36.9	42.8	36.5	36.3	34.1	39.8
		+1.9	+0.6	+1.4	-3.4	-1.9	+1.8	+7.7	+1.4	+1.2	-1.0	+4.7
종로구	32.9	36.0	34.8	35.6	31.4	31.8	35.6	41.8	35.9	35.4	33.5	39.0
		+3.1	+1.9	+2.7	-1.5	-1.1	+2.7	+8.9	+3.0	+2.5	+0.6	+6.1
중구	33.0	36.0	34.8	35.7	31.4	31.4	35.6	42.0	36.2	35.4	33.5	39.3
		+3.0	+1.8	+2.7	-1.6	-1.6	+2.6	+9.0	+3.2	+2.4	+0.5	+6.3
종량구	32.3	34.7	34.2	34.9	31.8	31.8	36.0	43.3	36.3	34.4	33.4	40.0
		+2.4	+1.9	+2.6	-0.5	-0.5	+3.7	+11.0	+4.0	+2.1	+1.1	+7.7

### 3. 계절길이

- SSP 기후변화 시나리오에 따르면 21세기 후반기로 갈수록 서울특별시 봄 시작일이 빨라지고 여름 계절길이가 길어지며 겨울이 짧아지는 경향을 보임(표 4-125, 표 4-126).
  - 봄 시작일의 경우 현재(2000-2019년) 3월 11일에 시작되는 것으로 나타나나 SSP5-8.5에 따르면 21세기 후반기 봄 시작일은 1월 27일로 나타나 현재보다 43일 빨라질 것으로 전망됨.
  - 여름 계절길이는 현재 127일로 약 4개월 정도 지속되는 것으로 나타나나 SSP5-8.5에 따르면 21세기 후반기 여름 계절길이는 188일로 현재보다 61일 증가할 것으로 전망됨.
  - 겨울 계절길이는 현재 102일로 약 4개월 정도 지속되는 것으로 나타나나 SSP5-8.5에 따르면 21세기 후반기 겨울 계절길이는 28일로 현재보다 74일 줄어들 것으로 전망됨.

표 4-125. 서울특별시의 계절 시작일 21세기 전망과 현재 기후 값 대비 편차(일)

지역	계절	현재 (2000-2019)	시나리오	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울 특별시	봄	3월 11일	SSP1-2.6	2월 28일(-11일)	2월 25일(-14일)	2월 15일(-24일)
			SSP2-4.5	3월 2일(-9일)	2월 24일(-15일)	2월 14일(-25일)
			SSP3-7.0	3월 1일(-10일)	2월 14일(-25일)	1월 29일(-41일)
			SSP5-8.5	3월 5일(-6일)	2월 25일(-14일)	1월 27일(-43일)
	여름	5월 24일	SSP1-2.6	5월 18일(-6일)	5월 18일(-6일)	5월 14일(-10일)
			SSP2-4.5	5월 17일(-7일)	5월 16일(-8일)	5월 4일(-20일)
			SSP3-7.0	5월 19일(-5일)	5월 10일(-14일)	4월 29일(-25일)
			SSP5-8.5	5월 20일(-4일)	5월 10일(-14일)	4월 25일(-29일)
	가을	9월 28일	SSP1-2.6	10월 2일(+4일)	10월 3일(+5일)	10월 5일(+7일)
			SSP2-4.5	10월 1일(+3일)	10월 8일(+10일)	10월 11일(+13일)
			SSP3-7.0	10월 1일(+3일)	10월 8일(+10일)	10월 25일(+27일)
			SSP5-8.5	10월 2일(+4일)	10월 9일(+11일)	10월 30일(+32일)
	겨울	11월 29일	SSP1-2.6	12월 6일(+7일)	12월 3일(+4일)	12월 5일(+6일)
			SSP2-4.5	12월 3일(+4일)	12월 4일(+5일)	12월 5일(+6일)
			SSP3-7.0	12월 2일(+3일)	12월 7일(+8일)	12월 23일(+24일)
			SSP5-8.5	12월 3일(+4일)	12월 6일(+7일)	12월 30일(+31일)

표 4-126. 서울특별시의 계절길이 21세기 전망과 현재 기후 값 대비 편차(일)

지역	계절	현재 (2000-2019)	시나리오	전반기 (2021-2040)	중반기 (2041-2060)	후반기 (2081-2100)
서울 특별시	봄	74일	SSP1-2.6	79일 (+5일)	82일 (+8일)	88일 (+14일)
			SSP2-4.5	76일 (+2일)	81일 (+7일)	79일 (+5일)
			SSP3-7.0	79일 (+5일)	85일 (+11일)	90일 (+16일)
			SSP5-8.5	76일 (+2일)	74일 (+0일)	88일 (+14일)
	여름	127일	SSP1-2.6	137일 (+10일)	138일 (+11일)	144일 (+17일)
			SSP2-4.5	137일 (+10일)	145일 (+18일)	160일 (+33일)
			SSP3-7.0	135일 (+8일)	151일 (+24일)	179일 (+52일)
			SSP5-8.5	135일 (+8일)	152일 (+25일)	188일 (+61일)
	가을	62일	SSP1-2.6	65일 (+3일)	61일 (-1일)	61일 (-1일)
			SSP2-4.5	63일 (+1일)	57일 (-5일)	55일 (-7일)
			SSP3-7.0	62일 (+0일)	60일 (-2일)	59일 (-3일)
			SSP5-8.5	62일 (+0일)	58일 (-4일)	61일 (-1일)
	겨울	102일	SSP1-2.6	84일 (-18일)	84일 (-18일)	72일 (-30일)
			SSP2-4.5	89일 (-13일)	82일 (-20일)	71일 (-31일)
			SSP3-7.0	89일 (-13일)	69일 (-33일)	37일 (-65일)
			SSP5-8.5	92일 (-10일)	81일 (-21일)	28일 (-74일)

## 참고 문헌

- 국립기상과학원, 2020, “IPCC 6차 평가 보고서 대응” 전지구 기후변화 전망보고서 개정판.
- 국립기상과학원, 2021, 한반도 기후변화 전망보고서 2020 개정판.
- 국립기상과학원, 2022, 남한상세 기후변화 전망보고서 개정판.
- 기상청, 2021, 우리나라 109년(1912~2020) 기후변화 분석보고서.
- 기상청, 2021, 기후통계지침 2021.
- IPCC, 2021, Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [Masson-Delmotte, V., P. Zhai, A. Pirani, S.L. Connors, C. Péan, S. Berger, N. Caud, Y. Chen, L. Goldfarb, M.I. Gomis, M. Huang, K. Leitzell, E. Lonnoy, J.B.R. Matthews, T.K. Maycock, T. Waterfield, O. Yelekçi, R. Yu, and B. Zhou (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, doi:10.1017/9781009157896.003.
- O'Neill, B. C., Kriegler, E., Riahi, K., Ebi, K. L., Hallegatte, S., Carter, T. R., Mathur, R., and van Vuuren, D. P., 2014, A new scenario framework for climate change research: the concept of shared socioeconomic pathways, *Climatic Change*, 122, 387-400.
- O'Neill, B. C., Kriegler, E., Ebi, K. L., Kemp-Benedict, E., Riahi, K., Rothman, D. S., van Ruijven, B. J., van Vuuren, D. P., Birkmann, J., Kok, K., Levy, M., and Solecki, W., 2017, The roads ahead: Narratives for shared socioeconomic pathways describing world futures in the 21st century, *Global Environmental Change*, 42, 169-180.

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### 공공누리 저작물 표시

본 보고서의 내용 사용 시 출처를 표시해야 하며  
비영리 목적으로만 이용할 수 있습니다.