



MONTHLY CLIMATE REVIEW OVER KOREA (total 4 pages)

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April 2015 Monthly Climate Summary

- ◇ The nationwide mean temperature (12.7 °C) in April 2015 was 0.5 °C above normal.
 - ◇ The nationally-averaged precipitation (126.0 mm) was 153.4 % of normal.
- Climate features and long-term trends in April 2015 were analyzed with the data collected at the 45 meteorological stations throughout Korea (national average) from 1973 to 2015 (1908-2015 for Seoul).
- ※ Normal : Average value of climatic element data collected from 1981 to 2010

□ The climatic characteristics in April 2015

o Korea (as a whole),

- The mean temperature (12.7 °C), the mean minimum temperature (7.4 °C) were 0.5 °C, 1.4 °C above normal, respectively. And the mean maximum temperature (18.6 °C) was same the normal.
- The nationally-averaged precipitation was 126.0 mm, which was 153.4 % of normal. The number of rainy days was 14.2, which was 6.4 days more than normal.
- The total number of hours of sunshine was 189.4, which was 88.7 % of normal.

o Seoul,

- The mean temperature (13.3 °C), the mean maximum temperature (18.8 °C) and the mean minimum temperature (8.4 °C) were 0.8 °C, 1.0 °C, 0.6 °C above normal, respectively.
- The amount of precipitation was 80.5 mm, which was 124.8 % of normal.
- The number of rainy days was 11.0, which was 3.2 days more than normal.
- The total number of hours of sunshine was 216.0, which was 105.4 % of normal.

□ **Long-term¹⁾ trend in April 2015 climate**

o Korea (as a whole),

- The national mean temperatures in April in the 2000s (2001-2010) was 0.5 °C above that of in the 1970s (1973-1980).
- The nationally-averaged precipitation in April in the 2000s was 46.9 mm less than that of in the 1970s.
- The number of rainy days in April in the 2000s was 1.2 days less than that of in the 1970s.
- The total sunshine hours in April in the 2000s was 7.3 hours less than that of in the 1970s.

o Seoul,

- The mean temperatures in April in the 2000s (2001-2010) was 1.0 °C above that of in the 1970s (1971-1980).
- The precipitation in April in the 2000s was 37.5 mm less than that of in the 1970s.
- The number of rainy days in April in the 2000s was 0.6 days less than that of in the 1970s.
- The total sunshine hours in April in the 2000s was 16.8 hours less than that of in the 1970s.

1) 2000s : 2001~2010 / 1970s of Korea(Seoul) : 1973~1980(1971~1980)

Appendix 1 Climate features of April 2015 (Nationwide)

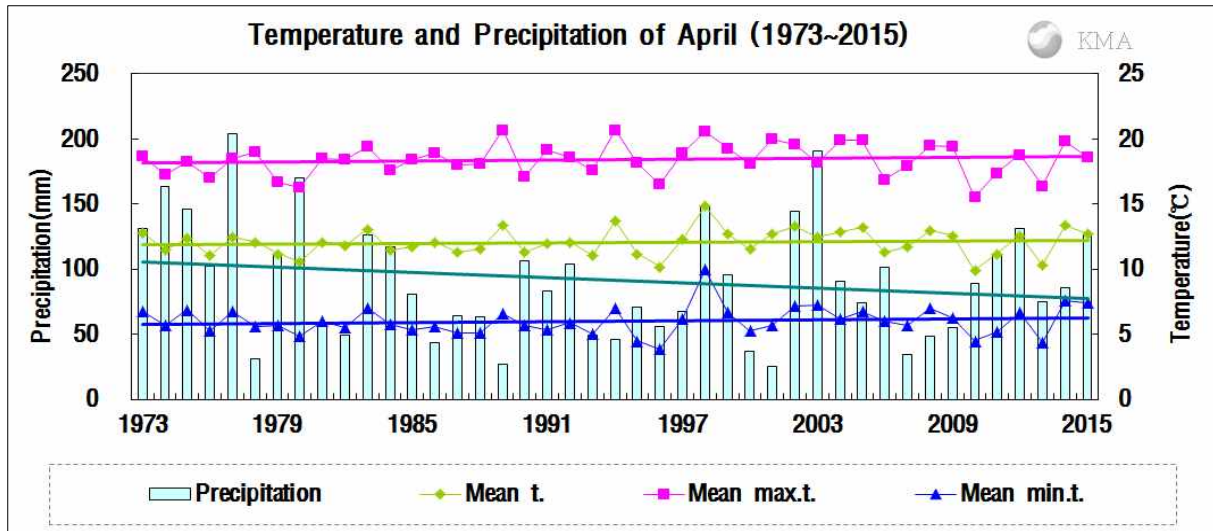


Fig 1. Temperatures (mean, mean maximum and mean minimum) and precipitation in South Korea during April (1973–2015).

□ The nationwide average value of meteorological element during April (1973–2015)

Elements (whole country)	April 2015(a)	April 2014(b)	Normals of April (1981-2010)(c)	a-b	a-c	Rank since 1973 (within 5th)
Mean temperature (°C)	12.7	13.4	12.2	-0.7	0.5	
Mean maximum temp. (°C)	18.6	19.8	18.6	-1.2	0.0	
Mean minimum temp. (°C)	7.4	7.6	6.0	-0.2	1.4	the third highest
Precipitation (mm)	126.0	85.6	78.5	40.4 (170.7%)	47.5 (153.4%)	
Days of rain (day)	14.2	7.7	7.8	6.5	6.4	maximum days rank 1st
Sunshine duration (hour)	189.4	212.3	213.6	-22.9 (89.2%)	-24.2 (88.7%)	the 5th lowest
Mean cloud amount (1/10)	5.6	4.7	4.7	0.9	0.9	the 4th highest
Days of minimum temperature more than 10°C(day)	6.7	8.9	5.4	-2.2	1.3	
Days of maximum temperature more than 20°C(day)	12.4	15.8	11.9	-3.4	0.5	
Asian dust days (day)	0.6	0.0	2.4	0.6	-1.8	

□ The nationwide average value of meteorological element during April in each decade (1973–2010)

Year	Mean temp. (°C)	Mean max. temp. (°C)	Mean min. temp. (°C)	Prep. (mm)	Days of rain (day)	Sunshine duration (hour)	Mean cloud amount (1/10)	Days of minimum temperature more than 10°C(day)	Days of maximum temperature more than 20°C(day)	Asian dust days (day)
1973-1980(a)	11.8	17.7	6.0	132.5	9.2	210.4	5.3	5.0	9.2	1.5
1981-1990(b)	12.0	18.5	5.8	73.8	8.1	220.2	4.9	4.8	11.7	1.4
1991-2000(c)	12.2	18.8	6.0	76.0	7.4	217.6	4.5	6.0	12.4	3.1
2001-2010(d)	12.3	18.7	6.3	85.6	8.0	203.1	4.7	5.4	11.6	2.8
2015(e)	12.7	18.6	7.4	126.0	14.2	189.4	5.6	6.7	12.4	0.6
d-a	0.5	1.0	0.3	-46.9	-1.2	-7.3	-0.6	0.4	2.4	1.3
d-b	0.3	0.2	0.5	11.8	-0.1	-17.1	-0.2	0.6	-0.1	1.4
d-c	0.1	-0.1	0.3	9.6	0.6	-14.5	0.2	-0.6	-0.8	-0.3
e-d	0.4	-0.1	1.1	40.4	6.2	-13.7	0.9	1.3	0.8	-2.2

Appendix 2 Climate features of April 2015 (Seoul)

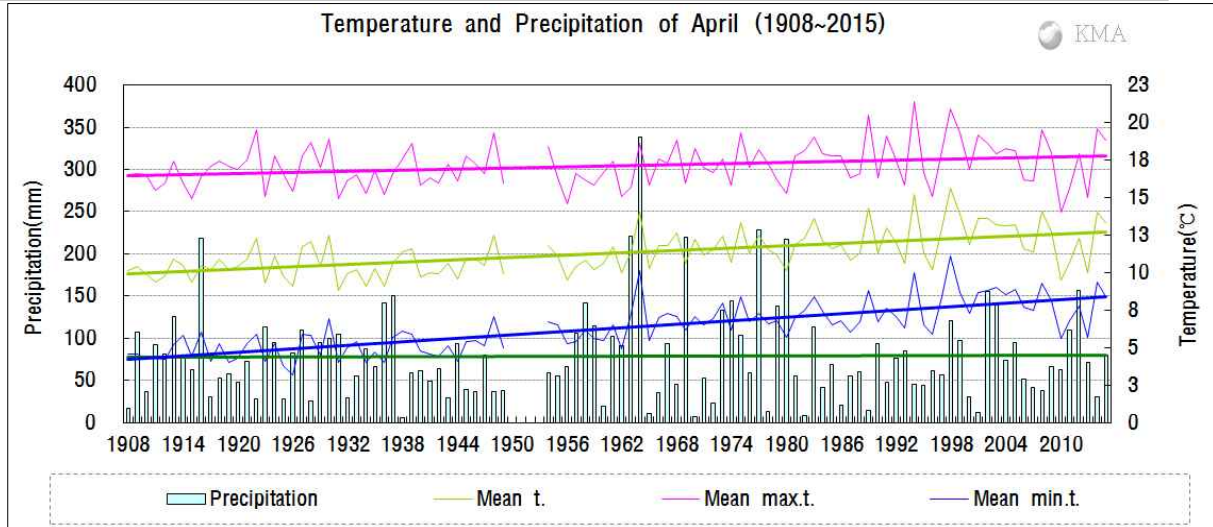


Fig 2. Temperatures (mean, mean maximum and mean minimum) and precipitation in Seoul during April (1908-2015).

□ The average value of meteorological element during April in Seoul (1908-2015)

Elements (Seoul)	April 2015(a)	April 2014(b)	Normals of April (1981-2010)(c)	a-b	a-c	Rank since 1908 (within 5th)
Mean temperature (°C)	13.3	14.0	12.5	-0.7	0.8	
Mean maximum temp. (°C)	18.8	19.6	17.8	-0.8	1.0	
Mean minimum temp. (°C)	8.4	9.4	7.8	-1.0	0.6	
Precipitation (mm)	80.5	31.0	64.5	49.5 (259.7%)	16.0 (124.8%)	
Days of rain (day)	11.0	5.0	7.8	6.0	3.2	
Sunshine duration (hour)	216.0	213.2	205.0	2.8 (101.3%)	11.0 (105.4%)	
Mean cloud amount (1/10)	5.0	4.7	4.6	0.3	0.4	
Days of minimum temperature more than 10°C(day)	9.0	16.0	7.9	-7.0	1.1	
Days of maximum temperature more than 20°C(day)	13.0	15.0	10.1	-2.0	2.9	
Asian dust days (day)	2.0	0.0	3.3	2.0	-1.3	

□ The average value of meteorological element during April in Seoul in each decade (1911-2010)

Year	Mean temp. (°C)	Mean max. temp. (°C)	Mean min. temp. (°C)	Prep. (mm)	Days of rain (day)	Sunshine duration (hour)	Mean cloud amount (1/10)	Days of minimum temperature more than 10°C(day)	Days of maximum temperature more than 20°C(day)	Asian dust days (day)
1911-1920(a)	10.2	16.5	4.8	84.6	9.7	232.1	5.7	2.6	5.5	1.2
1921-1930	10.9	17.4	5.1	74.9	7.5	227.8	5.7	3.7	8.2	0.0
1931-1940(b)	10.1	16.3	5.0	76.1	7.6	226.2	5.7	3.1	6.0	0.0
1941-1949	10.5	16.9	5.1	51.9	7.6	246.0	5.0	2.4	8.7	0.0
1954-1960	10.6	16.4	5.9	80.3	8.9	207.3	5.3	3.9	7.4	0.6
1961-1970	11.7	17.1	6.9	116.5	9.2	196.9	5.6	6.3	8.4	1.0
1971-1980(c)	11.6	17.0	6.9	111.2	9.1	196.1	5.2	5.4	8.0	1.4
1981-1990	12.1	17.8	7.2	53.2	7.2	222.8	4.8	5.7	10.0	1.6
1991-2000	12.7	18.1	7.9	66.6	7.8	213.1	4.3	9.0	10.9	4.5
2001-2010(d)	12.6	17.6	8.2	73.7	8.5	179.3	4.6	9.0	9.3	3.9
2015(e)	13.3	18.8	8.4	80.5	11.0	216.0	5.0	9.0	13.0	2.0
d-a	2.4	1.1	3.4	-10.9	-1.2	-52.8	-1.1	6.4	3.8	2.7
d-b	2.5	1.3	3.2	-2.4	0.9	-46.9	-1.1	5.9	3.3	3.9
d-c	1.0	0.6	1.3	-37.5	-0.6	-16.8	-0.6	3.6	1.3	2.5
e-d	0.7	1.2	0.2	6.8	2.5	36.7	0.4	0.0	3.7	-1.9