



MONTHLY CLIMATE REVIEW OVER KOREA (total 5 pages)

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October 2014 Monthly Climate Summary

- ◇ The nationwide mean temperature (14.8 °C) in October 2014 was 0.5 °C above normal.
- ◇ The nationally-averaged precipitation (118.0 mm) was 244.4 % of normal.

- Climate features and long-term trends in October 2014 were analyzed with the data collected at the 45 meteorological stations throughout Korea (national average) from 1973 to 2014 (1908-2014 for Seoul).

※ Normal : Average value of climatic element data collected from 1981 to 2010

□ The climatic characteristics in October 2014

o Korea (as a whole),

- The mean temperature (14.8 °C), the mean maximum temperature (21.2 °C) and the mean minimum temperature (9.5 °C) were 0.5 °C, 0.4 °C, 0.5 °C above normal, respectively.
- The nationally-averaged precipitation was 118.0 mm, which was 244.4 % of normal. The number of rainy days was 6.5, which was 0.8 days more than normal.
- The total number of hours of sunshine was 227.1, which was 113.9 % of normal.

o Seoul,

- The mean temperature (15.6 °C), the mean maximum temperature (21.4 °C), the mean minimum temperature (10.7 °C) were 0.8 °C, 1.6 °C, 0.4 °C above normal, respectively.
- The amount of precipitation was 52.2 mm, which was 100.8 % of normal.
- The number of rainy days was 6.0, which was 0.3 days less than normal.
- The total number of hours of sunshine was 239.8, which was 120.6 % of normal.

□ **Long-term¹⁾ trend in October 2014 climate**

o Korea (as a whole),

- The national mean temperatures in October in the 2000s (2001-2010) was 0.7 °C more than that of in the 1970s (1973-1980).
- The nationally-averaged precipitation in October in the 2000s was 17.3 mm less than that of in the 1970s.
- The number of rainy days in October in the 2000s was 1.1 days less than that of in the 1970s.
- The total sunshine hours in October in the 2000s was 0.1 hours less than that of in the 1970s.

o Seoul,

- The mean temperatures in October in the 2000s (2001-2010) was 1.1 °C above that of in the 1970s (1971-1980).
- The precipitation in October in the 2000s was 7.4 mm more than that of in the 1970s.
- The number of rainy days in October in the 2000s was 1.0 days less than that of in the 1970s.
- The total sunshine hours in October in the 2000s was 4.8 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 October 2014 (Nationwide)

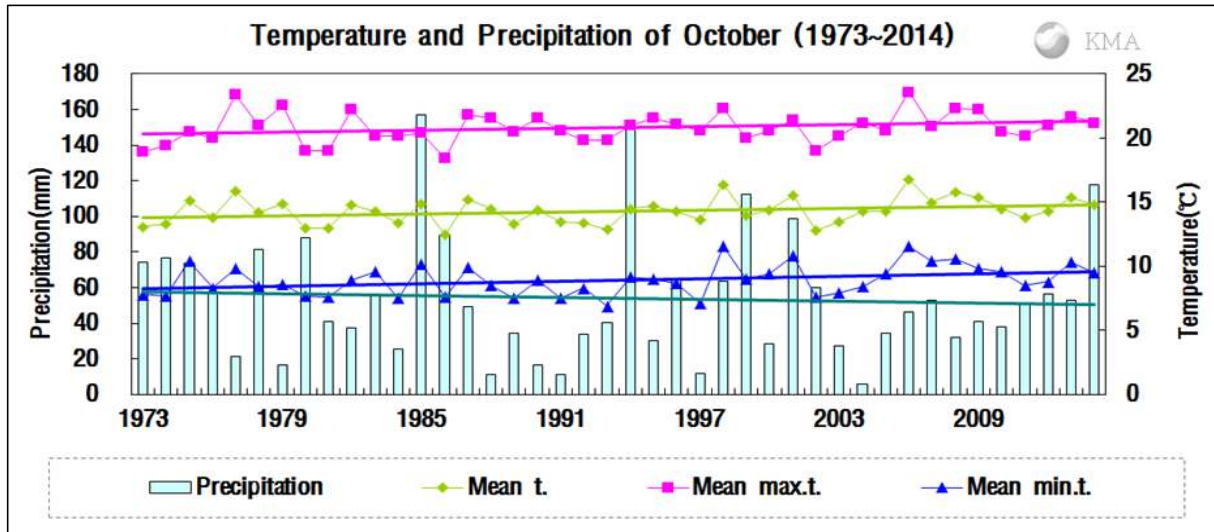


Fig 1. Temperatures (mean, mean maximum and mean minimum) and precipitation in South Korea during October (1973-2014).

□ The nationwide average value of meteorological element during October (1973-2014)

Elements (whole country)	Oct. 2014(a)	Oct. 2013(b)	Normals of Oct. (1981-2010)(c)	a-b	a-c	Rank since 1973 (within 5th)
Mean temperature (°C)	14.8	15.4	14.3	-0.6	0.5	
Mean maximum temp. (°C)	21.2	21.7	20.8	-0.5	0.4	
Mean minimum temp. (°C)	9.5	10.3	9.0	-0.8	0.5	
Precipitation (mm)	118.0	52.9	50.2	65.1 (529.4%)	67.8 (244.4%)	the third highest
Days of rain (day)	6.5	5.6	5.7	0.9	0.8	
Sunshine duration (hour)	227.1	222.6	199.3	4.5 (102.0%)	27.8 (113.9%)	
Mean cloud amount (1/10)	3.7	3.8	4.1	-0.1	-0.4	
Days of daily temperature range greater than 10°C(day)	20.2	20.4	20.7	-0.2	-0.5	

□ The nationwide average value of meteorological element during October 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 daily temperature range greater than 10°C(day)
1973-1980(a)	14.1	20.6	8.6	61.0	6.8	196.2	4.3	20.8
1981-1990(b)	14.0	20.6	8.6	51.8	5.9	202.1	4.3	20.8
1991-2000(c)	14.2	20.7	8.7	55.1	5.5	199.8	4.1	21.2
2001-2010(d)	14.8	21.2	9.6	43.7	5.7	196.1	4.0	20.1
2014(e)	14.8	21.2	9.5	118.0	6.5	227.1	3.7	20.2
d-a	0.7	0.6	1.0	-17.3	-1.1	-0.1	-0.3	-0.7
d-b	0.8	0.6	1.0	-8.1	-0.2	-6.0	-0.3	-0.7
d-c	0.6	0.5	0.9	-11.4	0.2	-3.7	-0.1	-1.1
e-d	0.0	0.0	-0.1	74.3	0.8	31.0	-0.3	0.1

Appendix 2 Climate features of October 2014 (Seoul)

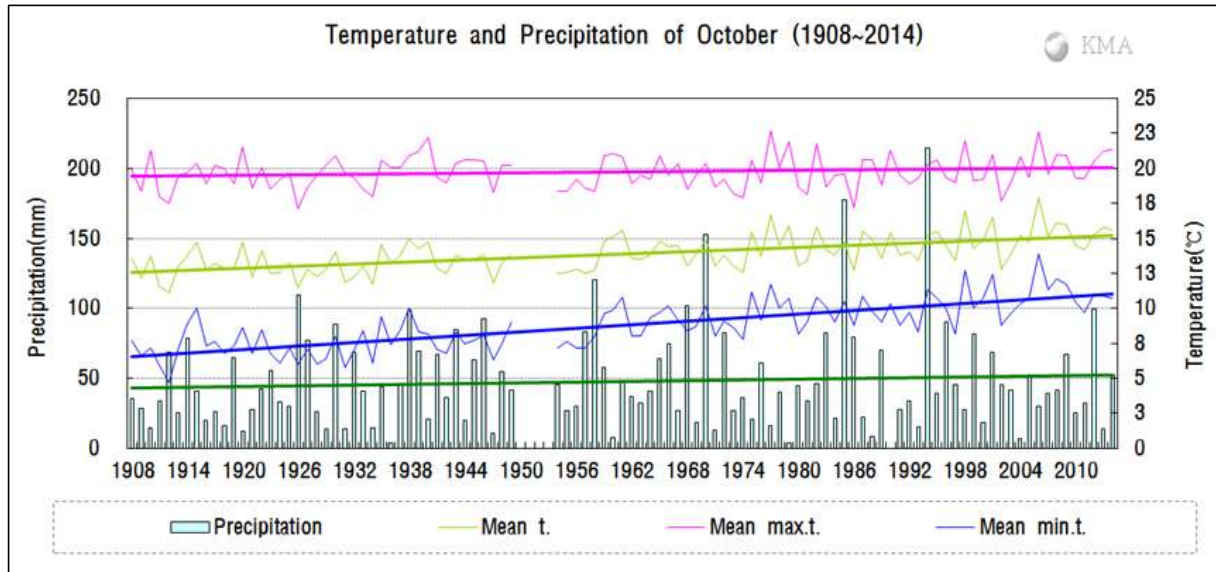


Fig 2. Temperatures (mean, mean maximum and mean minimum) and precipitation in Seoul during October (1908-2014).

□ The average value of meteorological element during October in Seoul (1908-2014)

Elements (Seoul)	Oct. 2014(a)	Oct. 2013(b)	Normals of Oct. (1981-2010)(c)	a-b	a-c	Rank since 1908 (within 5th)
Mean temperature (°C)	15.6	15.8	14.8	-0.2	0.8	
Mean maximum temp. (°C)	21.4	21.2	19.8	0.2	1.6	
Mean minimum temp. (°C)	10.7	10.9	10.3	-0.2	0.4	
Amount of precipitation (mm)	52.2	13.5	51.8	38.7 (386.7%)	0.4 (100.8%)	
Days of rain (day)	6.0	4.0	6.3	2.0	-0.3	
Sunshine duration (hour)	239.8	249.9	198.8	-10.1 (96.0%)	41.0 (120.6%)	
Mean cloud amount (1/10)	3.3	2.9	3.9	0.4	-0.6	
Days of daily temperature range greater than 10°C(day)	21.0	21.0	14.2	0.0	6.8	

□ The average value of meteorological element during October 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 daily temperature range greater than 10°C (day)
1911-1920(a)	13.0	19.5	7.4	38.6	7.4	234.7	4.5	23.1
1921-1930	12.8	19.3	6.9	50.3	6.6	225.0	4.3	23.1
1931-1940(b)	13.4	20.1	7.9	42.0	7.4	232.3	4.2	23.0
1941-1949	13.2	19.9	7.6	52.3	6.8	239.0	4.0	24.6
1954-1960	13.3	19.3	8.1	53.0	7.1	218.8	4.0	20.6
1961-1970	14.2	19.8	9.3	59.7	6.0	211.2	4.1	19.5
1971-1980(c)	14.2	19.7	9.5	34.4	7.1	194.2	4.0	17.9
1981-1990	14.4	19.6	9.8	54.2	6.0	207.5	4.3	15.6
1991-2000	14.6	19.7	10.0	59.3	6.7	199.6	3.9	15.0
2001-2010(d)	15.3	20.1	11.1	41.8	6.1	189.4	3.5	12.1
2014(e)	15.6	21.4	10.7	52.2	6.0	239.8	3.3	21.0
d-a	2.3	0.6	3.7	3.2	-1.3	-45.3	-1.0	-11.0
d-b	1.9	0.0	3.2	-0.2	-1.3	-42.9	-0.7	-10.9
d-c	1.1	0.4	1.6	7.4	-1.0	-4.8	-0.5	-5.8
e-d	0.3	1.3	-0.4	10.4	-0.1	50.4	-0.2	8.9

