

# 26 CLIMATOLOGICAL SUMMARY

## NATIONAL WEATHER SERVICE

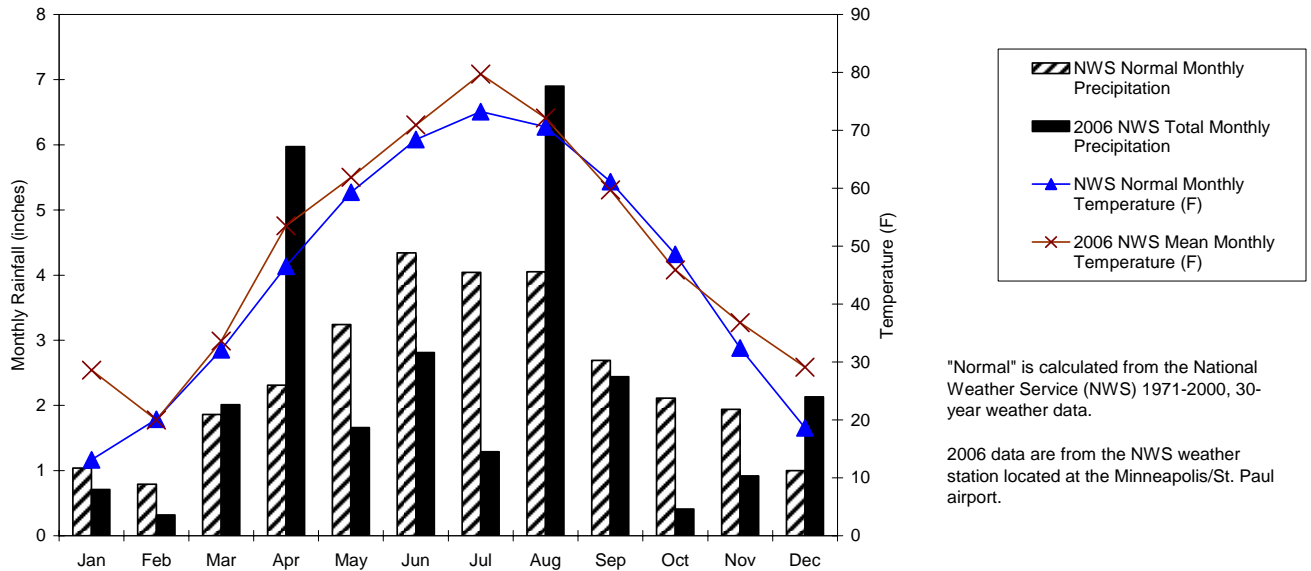
Table 26A lists total monthly precipitation and monthly average temperature for the year 2006 as recorded by the National Weather Service (NWS). The data is plotted in Figure 26A. In general, most 2006 average monthly temperatures were warmer than normal. The warmest and coldest months of the year were July and January, respectively. The average annual temperature for 2006 was 49.3 F, 4.0 F above normal.

2006 was generally a dry year with spring through mid summer having below normal precipitation; however April, August and December were 3.66 inches, 2.85 inches and 1.13 inches above normal, respectively. The wettest and driest months of the year were August and February, respectively. The annual recorded rainfall total for 2006 was 27.57 inches, 1.84 inches below normal.

All NWS data was obtained from [http://climate.umn.edu/doc/twin\\_cities/twin\\_cities.htm](http://climate.umn.edu/doc/twin_cities/twin_cities.htm).

**Table 26A. Minneapolis precipitation, mean temperature and deviation from normal as recorded by the National Weather Service. The heated rain gage is located at the Minneapolis/St. Paul airport. Precipitation is reported as water equivalent.**

<b>Year 2006</b>	<b>Total Precipitation (inches)</b>	<b>Mean Temp. (F)</b>	<b>"Normal" Comparison:</b>
January	0.71	28.6	15.5 F above normal, 0.33" below normal
February	0.32	20.0	0.1 F below normal, 0.47" below normal
March	2.01	33.6	1.5 F above normal, 0.15" above normal
April	5.97	53.5	7.0 F above normal, 3.66" above normal
May	1.66	61.9	2.6 F above normal, 1.58" below normal
June	2.81	70.9	2.5 F above normal, 1.53" below normal
July	1.29	79.6	6.5 F above normal, 2.75" below normal
August	6.90	72.1	1.5 F above normal, 2.85" above normal
September	2.44	59.6	1.4 F below normal, 0.25" below normal
October	0.41	45.9	2.7 F below normal, 1.70" below normal
November	0.92	36.8	4.4 F above normal, 1.02" below normal
December	2.13	29.1	10.5 F above normal, 1.13" above normal
<b>Annual Data</b>	<b>27.57</b>	<b>49.3</b>	<b>4.0 F above normal, 1.84 " below normal</b>



**Figure 26A. Comparison showing the NWS 30-year “normal” with 2006 temperature and precipitation data.**

## TWIN CITIES RAIN GAGE COMPARISON

Precipitation amounts can vary greatly within a city. In order to understand the pattern of a storm event, rainfall data from the MPRB were compared to data from the NWS and the rain gage located at the Bassett’s Creek Watershed Outlet Monitoring Program (WOMP) station. More information on the Bassett’s Creek WOMP station can be found in Section 21. The MPRB operates a tipping bucket rain gage in southwest Minneapolis at MPRB Southside Operations Center, 3800 Bryant Avenue South. Monthly totals were calculated and compared to the NWS rain gage located at the Twin Cities airport and the Bassett’s Creek WOMP station located near the City of Minneapolis Vehicle Impound Lot (Table 26C). The MPRB rain gage is not heated and cannot measure snowmelt, therefore only totals for May through October were calculated. The data show the dramatic differences in the monthly average and the patchiness of rainfall.

**Table 26C. Monthly totals for the 2006 growing season (May - October) recorded at the NWS and MPRB rain gages.**

<i>Month</i>	<i>NWS (inches)</i>	<i>MPRB (inches)</i>	<i>Bassett’s WOMP (inches)</i>
May	1.66	1.94	1.99
June	2.81	3.12	4.19
July	1.29	3.05	3.46
August	6.90	7.64	5.21
September	2.44	2.96	0.46
October	0.41	0.55	0.49
<b>Totals</b>	<b>15.51</b>	<b>19.26</b>	<b>15.80</b>