

CLIMATE REPORT  
 NATIONAL WEATHER SERVICE DULUTH MN  
 1123 AM CDT SUN APR 1 2012

...THE DULUTH MN CLIMATE SUMMARY FOR THE MONTH OF MARCH 2012...

CLIMATE NORMAL PERIOD 1981 TO 2010  
 CLIMATE RECORD PERIOD 1870 TO 2012

WEATHER	OBSERVED VALUE	DATE(S)	NORMAL VALUE	DEPART FROM NORMAL	LAST YEAR'S VALUE	DATE(S)
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 TEMPERATURE (F)

RECORD						
HIGH	81	03/28/1946				
LOW	-29	03/02/1989				
HIGHEST	75	03/17			46	03/17
LOWEST	-1	03/05			-11	03/02
AVG. MAXIMUM	48.3R		34.4	13.9	32.5	
AVG. MINIMUM	30.2		17.5	12.7	15.5	
MEAN	39.2R		25.9	13.3	24.0	
DAYS MAX >= 90	0		0.0	0.0	0	
DAYS MAX <= 32	5		12.3	-7.3	16	
DAYS MIN <= 32	15		28.0	-13.0	30	
DAYS MIN <= 0	1		3.1	-2.1	2	

PRECIPITATION (INCHES)

RECORD						
MAXIMUM	5.12	1965				
MINIMUM	0.22	1959				
TOTALS	1.62		1.49	0.13	0.82	
DAILY AVG.	0.05		0.05	0.00	0.03	
DAYS >= .01	13		9.7	3.3	10	
DAYS >= .10	6		4.3	1.7	3	
DAYS >= .50	0		0.5	-0.5	0	
DAYS >= 1.00	0		0.1	-0.1	0	
GREATEST						
24 HR. TOTAL	0.33					03/20 TO 03/20

SNOWFALL (INCHES)

RECORD						
MAXIMUM	48.2	1917				
MINIMUM	T	2010				
TOTALS	11.9		13.2	-1.3	7.4	
SINCE 7/1	48.5		78.8	-30.3	82.8	
SNOWDEPTH AVG.	5		12	-7	7	
DAYS >= 1.0	3		3.6	-0.6	3	
GREATEST						
SNOW DEPTH	19	03/04			12	03/08 03/07
24 HR TOTAL	8.5	03/03 TO 03/03				

DEGREE DAYS

HEATING TOTAL	793		1210	-417	1263	
SINCE 7/1	6568		8077	-1509	8077	
COOLING TOTAL	0		0	0	0	
SINCE 1/1	0		0	0	0	

WIND (MPH)

AVERAGE WIND SPEED	9.4				
HIGHEST WIND SPEED/DIRECTION	39/260	DATE	03/27		
HIGHEST GUST SPEED/DIRECTION	48/220	DATE	03/27		

SKY COVER

POSSIBLE SUNSHINE (PERCENT)	MM
AVERAGE SKY COVER	0.60
NUMBER OF DAYS FAIR	10
NUMBER OF DAYS PC	7
NUMBER OF DAYS CLOUDY	14

AVERAGE RH (PERCENT) 72

WEATHER CONDITIONS. NUMBER OF DAYS WITH

THUNDERSTORM	0	MIXED PRECIP	1
HEAVY RAIN	0	RAIN	3
LIGHT RAIN	13	FREEZING RAIN	0
LT FREEZING RAIN	4	HAIL	0
HEAVY SNOW	1	SNOW	6
LIGHT SNOW	9	SLEET	1
FOG	21	FOG W/VIS <= 1/4 MILE	9
HAZE	5		

- INDICATES NEGATIVE NUMBERS.  
 R INDICATES RECORD WAS SET OR TIED.  
 MM INDICATES DATA IS MISSING.  
 T INDICATES TRACE AMOUNT.

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.MARCH 2012 WAS MUCH WARMER AND WETTER THAN NORMAL AT DULUTH MN...

THE AVERAGE TEMPERATURE FOR MARCH WAS 39.2 DEGREES WHICH WAS 13.3 DEGREES WARMER THAN THE NORMAL OF 25.9 DEGREES MAKING THIS THE WARMEST MARCH IN STATION HISTORY. THE HIGHEST TEMPERATURE FOR THE MONTH WAS 75 DEGREES ON THE 17TH. THE LOWEST TEMPERATURE WAS 1 DEGREE BELOW ZERO ON THE 5TH. SIX DAILY TEMPERATURE RECORDS WERE SET FOR THE MONTH. THE HIGH TEMPERATURE ON THE 14TH WAS 68 DEGREES BREAKING THE OLD RECORD OF 60 SET IN 1902. THE HIGH TEMPERATURE ON THE 17TH WAS 75 DEGREES BREAKING THE OLD RECORD OF 61 SET IN 1968. THE HIGH TEMPERATURE ON THE 18TH WAS 73 DEGREES BREAKING THE OLD RECORD OF 67 SET IN 1918. THE HIGH TEMPERATURE ON THE 19TH WAS 72 DEGREES BREAKING THE OLD RECORD OF 66 SET IN 1910. THE HIGH TEMPERATURE ON THE 20TH WAS 62 DEGREES BREAKING THE OLD RECORD OF 60 SET IN 1938. THE HIGH TEMPERATURE ON THE 24TH WAS 70 DEGREES BREAKING THE OLD RECORD OF 64 SET IN 1928 AND 1910.

MARCH 2012 WAS WETTER THAN NORMAL WITH A TOTAL OF 1.62 INCHES OF PRECIPITATION RECORDED FOR THE MONTH. THIS WAS 0.13 INCHES ABOVE THE NORMAL OF 1.49 INCHES MAKING THIS THE 61ST WETTEST MARCH IN RECORDED HISTORY. THE GREATEST AMOUNT OF PRECIPITATION IN A 24 HOUR PERIOD OCCURRED ON THE 3RD WHEN 0.33 INCHES OF PRECIPITATION WAS RECORDED. AT LEAST A TRACE OF PRECIPITATION WAS REPORTED ON 21 DAYS. AT LEAST 0.01 INCHES OF PRECIPITATION FELL ON 13 DAYS. AT LEAST 0.10 INCHES FELL ON 6 DAYS. 11.9 INCHES OF SNOW FELL FOR THE MONTH. THIS IS 1.3 INCHES BELOW THE NORMAL SNOWFALL OF 13.2 INCHES FOR THE MONTH TYING THIS FOR THE 65TH LEAST SNOWIEST MARCH. ONE DAILY SNOWFALL RECORD WAS SET DURING THE MONTH. 8.5 INCHES OF SNOW FELL ON MARCH 3RD BREAKING THE OLD RECORD OF 8.0 INCHES SET IN 1951.

THE AVERAGE WIND SPEED FOR THE MONTH WAS 9.4 MPH. THE WINDIEST DAY FOR THE MONTH WAS ON THE 27TH WITH AN AVERAGE WIND SPEED OF 21.0 MPH. THE GREATEST SUSTAINED WINDS OCCURRED ON THE 27TH WITH A WIND FROM THE WEST AT 39 MPH. A PEAK GUST OF 48 MPH FROM THE SOUTHWEST WAS ALSO RECORDED ON THE 27TH. THERE WERE 793 HEATING DEGREE DAYS FOR THE MONTH WHICH WAS 417 BELOW THE NORMAL OF 1210. THIS BROUGHT THE SEASONAL TOTAL TO 6568 WHICH WAS 1509 BELOW THE NORMAL OF 8077. THERE WERE NO COOLING DEGREE DAYS FOR THE MONTH WHICH WAS NORMAL. THE SEASONAL TOTAL COOLING DEGREE DAYS REMAIN AT ZERO WHICH IS NORMAL. THE HIGHEST BAROMETRIC PRESSURE READING FOR THE MONTH WAS 30.61 INCHES REACHED ON THE 9TH AND THE LOWEST BAROMETRIC PRESSURE READING WAS 29.41 INCHES REACHED ON THE 27TH.

THE OUTLOOK FOR APRIL...NORMAL HIGHS START IN THE LOWER 40S AND RISE TO THE MID 50S AT THE END OF THE MONTH. NORMAL LOWS FOR THE MONTH BEGIN IN THE MID 20S AND RISE TO THE MID 30S ON THE 30TH. NORMAL PRECIPITATION FOR APRIL IS 2.43 INCHES. NORMAL SNOWFALL FOR APRIL IS 6.9 INCHES. ABOVE NORMAL TEMPERATURES AND PRECIPITATION ARE FORECASTED FOR APRIL.

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