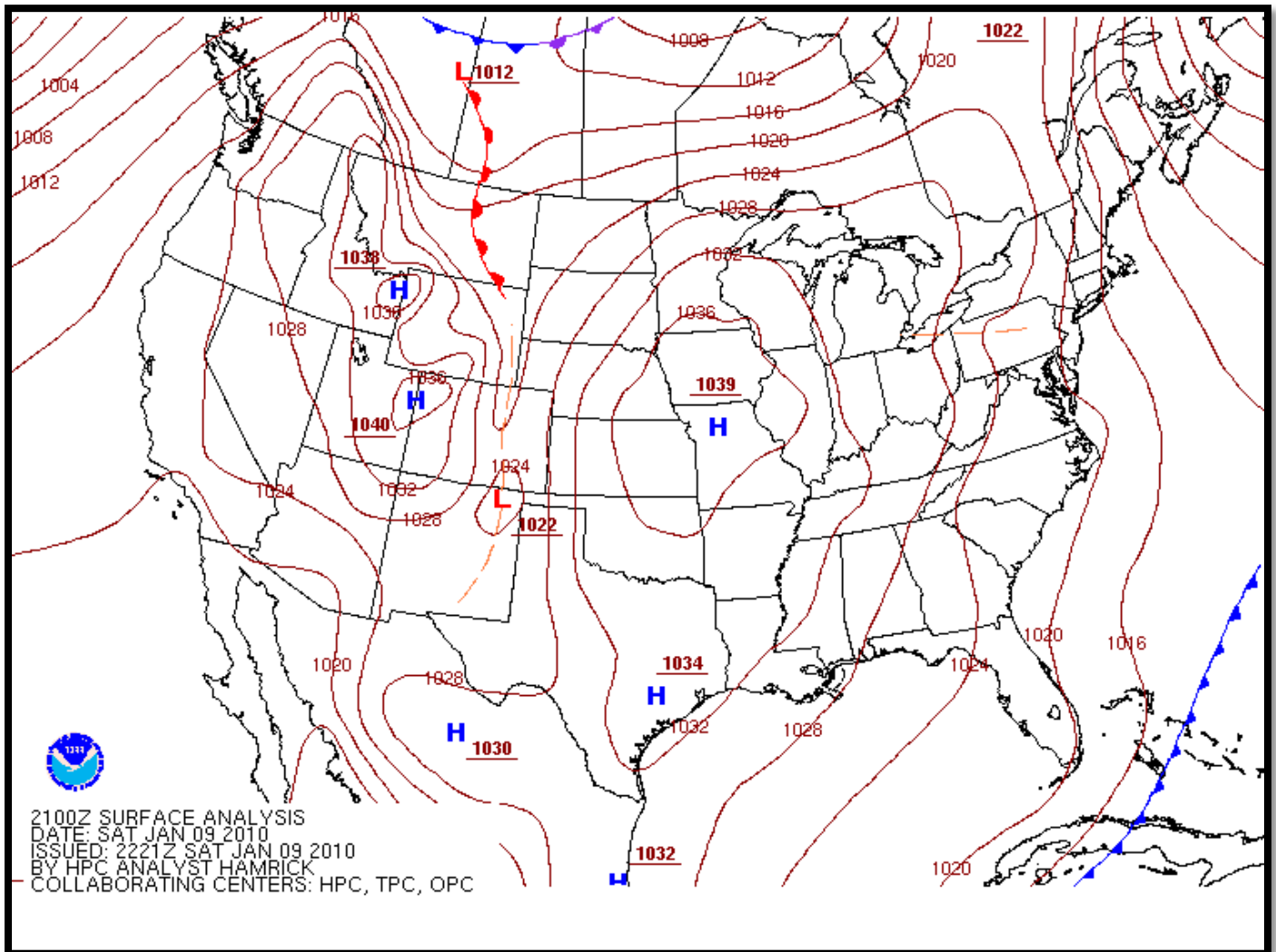


Overview

The first twelve days of January 2010 were much colder than normal. This period was the coldest start in St. Louis, Missouri since 1979. During those twelve days much of the area remained below freezing. Even though no records were set during this period, it had been quite some time since the area had experienced an arctic outbreak of this magnitude. A moderate snowfall event occurred on January 6th and 7th which aided in temperatures dropping well below zero in many locations when a 1039-mb Arctic high pressure system built into the Midwest. In addition, wind chill readings of 10 to 25 degrees below zero were quite common in the wake of the storm system.



A 1039-mb Arctic high built across the center of the United States on the 9th of January 2010.

Top Ten Coldest Average Temperatures

For St. Louis (KSTL)

January 1st-12th

1. 1912 8.5
2. 1979 10.8
3. 1879 12.2
4. 1974 13.0
5. 1884 14.1
6. 1977 14.6
7. **2010 15.2**
8. 1968 15.5
9. 1940 16.5
10. 1942 17.2

Average=29.3
(1870-Present)

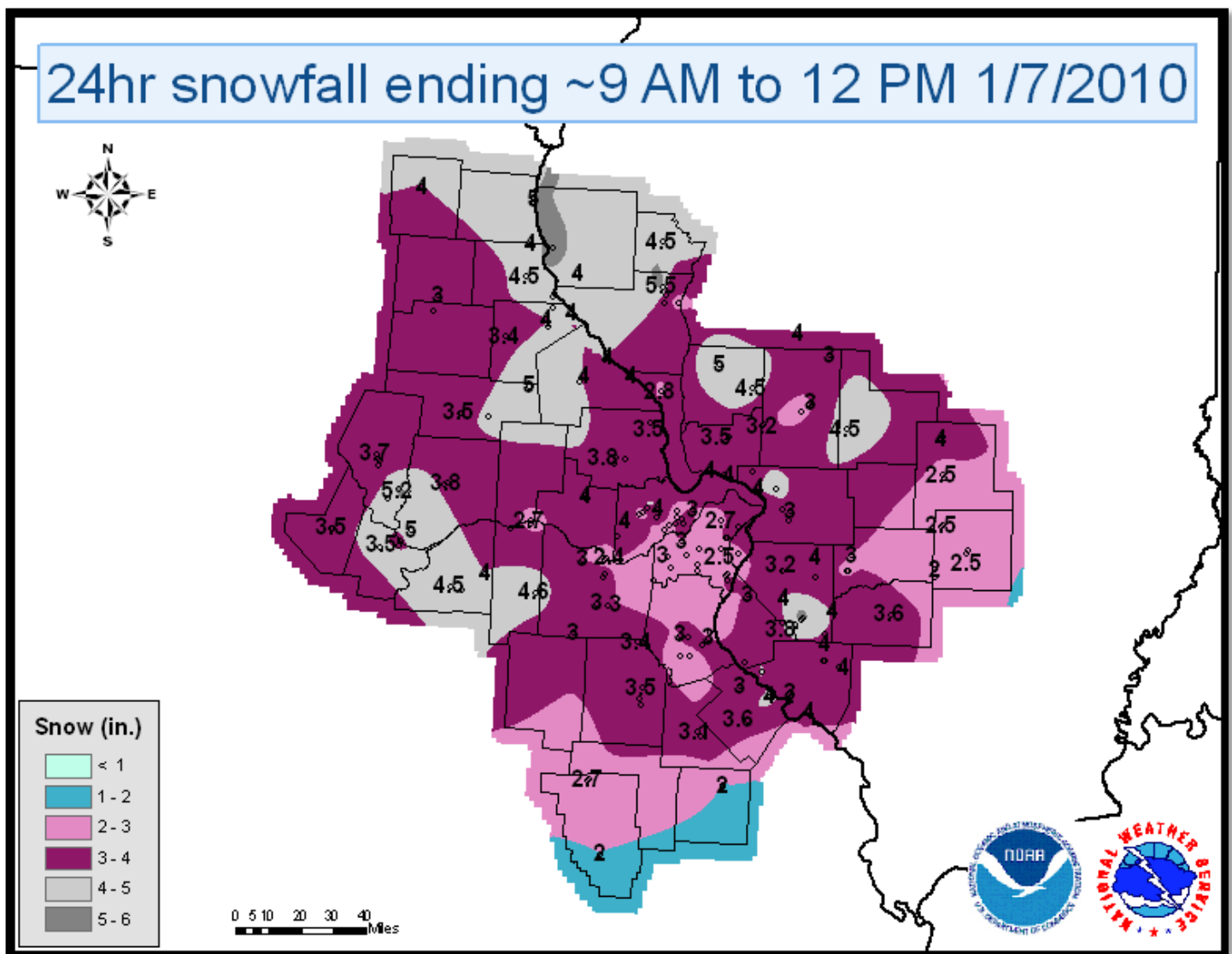
For Quincy (KUIQ)

January 1st-12th

1. 1979 4.6
2. 1974 6.1
3. **2010 6.7**
4. 1977 10.0
5. 1970 10.8
6. 1968 11.0
7. 1999 11.3
8. 1982 13.8
9. 1969 15.8
10. 1973 16.2

Average=23.2
(1948-Present)

Snowfall Map from January 6th and 7th



Observed Temperature and Wind Chill

ASOS/AWOS	COLDEST TEMPERATURE	COLDEST WIND CHILL
ST. LOUIS	0	-15
COLUMBIA	MISSING*	MISSING*
JEFFERSON CITY	-8	-15
CHESTERFIELD	-7	-14
ST. CHARLES	-8	-14
FARMINGTON	-8	-15
QUINCY	-10	-23
CAHOKIA	-5	-13
BELLEVILLE/SCOTT	-4	-13
PITTSFIELD	-11	-23
SPARTA	1	-11
SALEM	-4	-10
ALTON	-4	-16
CENTRALIA	-3	-12
LITCHFIELD	-6	-13
SULLIVAN	-6	-17

* 1/8/2010-1/10/2010 - ASOS TEMPERATURE SENSOR WAS IN ERROR

COOP OBSERVERS

ROSEBUD	-16	BELLEVIEW	-3
CANTON L/D 20	-12	ST. CHARLES 7SSW	-3
PERRY IL	-13	WELDON SPRING NWS	-3
FREEDOM	-12	O'FALLON MO	-2
JERSEYVILLE	-12	POTOSI	-2
LAKE ST. LOUIS	-11	UNIVERSITY CITY	-1
WHITE HALL	-11	ALTON L/D 26	1
RAMSEY	-10	VANDALIA IL	1
SHELBINA	-10	KASKASKIA L/D	4
WASHINGTON	-10		
FULTON	-9		
GRIGGSVILLE	-9		
FREDRICKTOWN	-9		
BOWLING GREEN	-7		
HANNIBAL	-7		
FESTUS	-7		
NASHVILLE	-7		
BELLEVILLE	-6		
MEXICO	-6		
ST. CHARLES	-6		
WARRENTON	-6		
SAVERTON L/D 22	-5		
ST. PETERS	-4		
SALEM	-3		

Any questions regarding this event review should be address to w-lsx.webmaster@noaa.gov