

**NATIONAL WEATHER SERVICE INSTRUCTION 10-501**

**May 4, 2012**

**Operations and Services**

**Public Weather Services, NWSPD 10-5**

**WFO STATEMENTS, SUMMARIES, TABLES PRODUCTS SPECIFICATION**

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**NOTICE:** This publication is available at: <http://www.nws.noaa.gov/directives/>.

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**SUMMARY OF REVISIONS:** This directive supersedes National Weather Service Instruction 10-501, “WFO Statements, Summaries, Tables Products Specification,” dated April 15, 2010.

1. Section 5.1: Removed reference to September 1, 2010 as starting date for mandatory RTP format.

2. Section 3.1: Added Weather Service Offices (WSOs).

3. Section 3.2.3: Rephrased to allow more flexibility with respect to one, two or more issuance per day.

4. Updated examples and corrected minor grammatical mistakes.

-signed-

4/20/2012

Jason P. Tuell  
Acting Director, Office of Climate,  
Water, and Weather Services

Date

**WFO Statements, Summaries, Tables Products Specification**

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1 **Introduction.** This procedural instruction describes narrative and tabular weather products issued by local Weather Forecast Offices (WFOs).

2. **Public Information Statement (Product Category PNS).**

2.1 **Mission Connection.** The Public Information Statement (PNS) is an alphanumeric message used to distribute information regarding hydrometeorological events; public education; National Weather Service (NWS) service changes, limitations or interruptions; and special guidelines for interpreting NWS data. The PNS is used by a wide variety of users and partners such as the general public, emergency managers, and the media.

2.2 **Issuance Guidelines.**

2.2.1 **Creation Software.** Weather Forecast Offices (WFO) may use the AWIPS Graphical Hazards Generation (GHG) program, the AWIPS text editor, or any other text editor to produce this product.

2.2.2 **Issuance Criteria.** The issuing office determines the need for issuance of a PNS.

2.2.3 **Issuance Time.** The PNS is a non-scheduled product issued when appropriate.

2.2.4 **Valid Time.** The PNS is valid through the effective date or time period.

2.2.5 **Product Expiration Time.** The product expiration time of a PNS is usually up to 12 - 24 hours, but may be up to 31 days depending upon product content.

2.2.6 **Event Expiration Time.** The PNS does not have an event expiration time.

2.3 **Technical Description.**

2.3.1 **UGC Type.** The PNS will use UGC Zone (Z) coding.

2.3.2 **Mass News Disseminator Broadcast Instruction Line.** There is no MND Broadcast Instruction Line for this product.

2.3.3 **MND Product Type Line.** The PNS does not have a mandatory MND product type line; "PUBLIC INFORMATION STATEMENT" or any other appropriate header may be used.

2.3.4 **Content.** The PNS may contain various weather or NWS related information of public interest, as described in paragraph 2.1.

2.3.5 **Format.** The PNS is a free-form narrative or tabular text product (format in section 2.3.5.1). However, if the PNS is used to report preliminary hydrometeorological information during or final hydrometeorological information following a weather event, WFOs should use the format specified in section 2.3.5.2, 2.3.5.3., or 2.3.5.4. The nature of the report (i.e., unofficial, preliminary or final) should be stated in the explanatory text.

2.3.5.1 Generic Format.

<u>Product Format</u>	<u>Description of Entry</u>
NOaaii cccc ddhhmm	(WMO Heading)
PNSxxx	(AWIPS ID)
stZ001-005>015-ddhhmm-	(UGC: <u>Z</u> & Product expiration time)
 PUBLIC INFORMATION STATEMENT	 (MND)
-or-	
APPROPRIATE HEADER INFORMATION	
NATIONAL WEATHER SERVICE city st	(Issuing Office)
time am/pm time_zone day mon dd yyyy	(Issuance time and date)
 [TEXT]	
 \$\$	
 Name/Initials/Fcstr ID	 (Optional)

Note: The “xxx” in this product is either a modernized three-letter WFO identifier, a three-character FAA-approved alphanumeric identifier, or a two-letter state abbreviation followed by a “space”.

2.3.5.2 Hydrometeorological Format (with water equivalent).

1	2	3	4	5	6	
123456789012345678901234567890123456789012345678901234567890123456789						
<u>Product Format</u>						<u>Description of Entry</u>
NOaaii cccc ddhhmm						(WMO Heading)
PNSxxx						(AWIPS ID)
stZ001-005>015-ddhhmm-						(UGC: <u>Z</u> Product expiration time)
 PUBLIC INFORMATION STATEMENT						 (MND)
-or-						
APPROPRIATE HEADER INFORMATION						
NATIONAL WEATHER SERVICE city st						(Issuing Office)
time am/pm time_zone day mon dd yyyy						(Issuance time and date)
 EXPLANATORY TEXT /HYDROMET TYPE A/						
LOCATION ELEVATION		HYDROMET	WATER	COMMENTS		
		Data 1	EQUIV			
 STATE 1						
...Geopolitical Descriptor 1...						
 CITY ELEVATION		XXX.X	XX.XX	OPTIONAL TEXT		

...Geopolitical Descriptor 2...

CITY1 ELEVATION	XXX.X	XX.XX	OPTIONAL TEXT
CITY2	XXX.X		OPTIONAL TEXT

STATE 2

...Geopolitical Descriptor 1...

CITY	XXX.X	XX.XX	OPTIONAL TEXT
------	-------	-------	---------------

EXPLANATORY TEXT BETWEEN HYDROMETEOROLOGICAL TYPES /HYDROMET TYPE B/

LOCATION ELEVATION	HYDROMET DATA 2	WATER EQUIV	COMMENTS
--------------------	--------------------	----------------	----------

STATE 1

...Geopolitical Descriptor 1...

CITY ELEVATION	XXX.X		OPTIONAL TEXT
----------------	-------	--	---------------

\$\$

Name/Initials/Fcstr ID (OPTIONAL)

Note 1: The “Geopolitical Descriptor” can be any commonly used geographical or political designation such as counties, boroughs, parishes, zones, mountains, valleys, metropolitan areas, etc. The WFO determines which descriptor to use for the PNS.

Note 2: Elevation, in feet, is optional and may be appended to the end of the geopolitical descriptor.

Note 3: Comments may include, but are not limited to, time of the report, latitude/longitude of the reporting site, etc.

Note 4: Hydromet Type begins in column 31, Water Equivalent begins in column 43, and Comments begin in column 51.

Note 5: WFOs may continue to use the free-form text product until such time as nationally supported software for the more structured product shown above is available.

2.3.5.3 Hydrometeorological Format (without water equivalent).

1 2 3 4 5 6  
12345678901234567890123456789012345678901234567890123456789

Product Format

Description of Entry

NOaaii cccc ddhmm  
PNSxxx  
stZ001-005>015-ddhmm-

(WMO Heading)  
(AWIPS ID)  
(UGC: **Z** Product  
expiration  
time)

PUBLIC INFORMATION STATEMENT  
-or-

(MND)

**NWSI 10-501 May 4, 2012**

APPROPRIATE HEADER INFORMATION  
NATIONAL WEATHER SERVICE city st (Issuing Office)  
time am/pm time\_zone day mon dd yyyy (Issuance time  
and date)

EXPLANATORY TEXT /HYDROMET TYPE A/

LOCATION ELEVATION	HYDROMET	COMMENTS
	Data 1	
STATE 1		
...Geopolitical Descriptor 1...		
CITY ELEVATION	XXX.X	OPTIONAL TEXT
...Geopolitical Descriptor 2...		
CITY1 ELEVATION	XXX.X	OPTIONAL TEXT
CITY2	XXX.X	OPTIONAL TEXT

STATE 2  
...Geopolitical Descriptor 1...  
CITY XXX.X OPTIONAL TEXT

EXPLANATORY TEXT BETWEEN HYDROMETEOROLOGICAL TYPES /HYDROMET TYPE B/

LOCATION ELEVATION	HYDROMET	COMMENTS
	DATA 2	
STATE 1		
...Geopolitical Descriptor 1...		
CITY ELEVATION	XXX.X	OPTIONAL TEXT

\$\$

Name/Initials/Fcstr ID (OPTIONAL)

Note 1: The "Geopolitical Descriptor" can be any commonly used geographical or political designation such as counties, boroughs, parishes, zones, mountains, valleys, metropolitan areas, etc. The WFO determines which descriptor to use for the PNS.

Note 2: Elevation, in feet, is optional and may be appended to the end of the geopolitical descriptor.

Note 3: Comments may include, but are not limited to, time of the report, latitude/longitude of the reporting site, etc.

Note 4: Hydromet Type begins in column 31 and Comments begin in column 43 when using the without water equivalent format.

Note 5: WFOs may continue to use the free-form text product until such time as nationally supported software for the more structured product shown above is available.





2.4 Updates, Amendments, and Corrections. Modifications are made to the PNS as needed. The appropriate terms “UPDATED,” or “CORRECTED,” preceded by three dots (...) will be appended to the product identification line in the mass disseminator header. As an important aid to users, a brief (usually one line) reason for the update or correction should be added.

### 3. Weather Summary (Product Category RWS).

3.1 Mission Connection. The Weather Summary (RWS) provides a brief narrative for a sub-state region, an entire state, or a multi-state region of recent past weather (up to 24 hours in the past), present weather, and forecast conditions (up to 24 hours in the future, but may extend up to 72 hours). The emphasis should be on past and current weather. WFOs (or Weather Service Offices (WSOs)), in coordination with their local users and Regional Headquarters, will determine the regional extent of this product and which WFOs (or WSOs) will issue sub-state, state, or multi-state product(s).

#### 3.2 Issuance Guidelines.

3.2.1 Creation Software. The RWS may be composed using the AWIPS text editor or any other text editor.

3.2.2 Issuance Criteria. The RWS is a routine product.

3.2.3 Issuance Time. The RWS should be issued based on user requirements, generally mid-morning and/or early to mid-evening.

3.2.4 Valid Time. The RWS is generally valid up to 24 hours from the product issuance time.

3.2.5 Product Expiration Time. The RWS product expiration time may be up to 12 hours after issuance time.

3.2.6 Event Expiration Time. The RWS does not have an event expiration time.

#### 3.3 Technical Description.

3.3.1 UGC Type. The RWS will use UGC Zone (Z) coding. The RWS may have several summaries grouped geographically. If grouped summaries are used, each summary should include a UGC header assigned for the public forecast zones within that grouping. The partitioning should be determined by the WFO, with the concurrence of the Regional Headquarters.

3.3.2 MND Broadcast Instruction Line. The RWS does not contain an MND Broadcast Instruction Line.

3.3.3 MND Product Type Line. The RWS MND is “WEATHER SUMMARY FOR “SUB-STATE REGION”, “STATE”, OR “MULTI-STATE REGION” where “SUB-STATE REGION”, “STATE”, OR “MULTI-STATE REGION” are replaced appropriately.

3.3.4 Content. The RWS may contain the entire range of meteorological variables, e.g., sky condition, weather, wind, temperature, snow depth, tides, water temperature, etc. Record and/or near-record temperatures, precipitation, heat, etc., should be mentioned. The synoptic features causing the weather may be mentioned but only in the very simplest, nontechnical terms.

3.3.5 Format. The RWS is a free-form text product.

<u>Product Format</u>	<u>Description of Entry</u>
AWaai cccc ddhhmm	(WMO Heading)
RWSxxx	(AWIPS ID)
stZ001-005>015-ddhhmm-	(UGC: <u>Z</u> & Product expiration time)
WEATHER SUMMARY FOR "SUB-STATE REGION", "STATE", OR "MULTI-STATE REGION"	(MND)
NATIONAL WEATHER SERVICE city st time am/pm time_zone day mon dd yyyy	(Issuing Office) (Issuing time and date)
[TEXT]	
\$\$	(UGC Delimiter)
Name/Initials/Fcstr ID	(Optional)

Note: The "xxx" in this product is either a modernized three-letter WFO identifier or a two-letter state abbreviation followed by a "space".

3.4 Updates, Amendments, and Corrections. As needed, based upon user needs.

#### 4. Weather Roundup (Product Category RWR).

4.1 Mission Connection. The Weather Roundup (RWR) provides routine, standardized hourly observations for a sub-state region, an entire state, or a multi-state region. Standardized observations are those that meet the criteria defined in National Weather Service Instruction (NWSI) 10-1302, Instrument Requirements and Standards for the NWS Surface Observing Programs (Land). WFOs, in coordination with their local users and Regional Headquarters, will determine the regional extent of this product and which WFOs will issue sub-state, multi-state, or state products.

#### 4.2 Issuance Guidelines.

4.2.1 Creation Software. The RWR can be automatically composed and transmitted by use of a standard applications program that decodes the surface aviation observations (RiverPro), or created by the AWIPS (or any other) text editor.

4.2.2 Issuance Criteria. The RWR is a routine product.

4.2.3 Issuance Time. The RWR should be issued at least hourly. Since some observations are available a few minutes before the hour, while others are not available until shortly after the hour, WFOs may run the application just before the hour for fast dissemination of early observations and again shortly after the hour when the rest of the observations are available.

4.2.4 Valid Time. The RWR is generally valid for 1 hour from the product issuance time.

4.2.5 Product Expiration Time. The RWR product expiration time is generally 1 hour after issuance time.

4.2.6 Event Expiration Time. The RWR does not have an event expiration time.

4.3 Technical Description.

4.3.1 UGC Type. Public Forecast Zones. Each RWR may have several groups of observations. Each group of observations should include a UGC header assigned for the public forecast zones within that grouping. The partitioning should be determined by the WFO, with the concurrence of the Regional Headquarters.

4.3.2 MND Broadcast Instruction Line. The RWR does not contain an MND Broadcast Instruction Line.

4.3.3 MND Product Type Line. The RWR MND is “WEATHER ROUNDUP FOR “SUB-STATE REGION”, “STATE”, OR “MULTI-STATE REGION” where “SUB-STATE REGION”, “STATE”, OR “MULTI-STATE REGION” are replaced appropriately.

4.3.4 Content. The RWR may contain the entire range of meteorological variables, e.g., sky condition, weather, temperature, dew point, relative humidity, wind, atmospheric pressure, etc. In remarks, Wind Chill Index will be abbreviated “WCI” and Heat Index will be abbreviated “HX”. Below zero values for temperature, dew point, and WCI will be preceded by a minus (-) sign. If the satellite cloud cover product is unavailable, reports from unaugmented ASOS stations will show “FAIR” for the sky/weather condition when there are few or no clouds (i.e., scattered or less) below 12,000 feet with no significant weather and/or obstructions to visibility. A note explaining the meaning of “FAIR” should appear after the MND header of all RWRs.

4.3.5 Format. The RWR is a tabular product.

Product Format  
ASaa4i cccc ddhhmm  
RWRxxx

Description of Entry  
(WMO Heading)  
(AWIPS ID)

WEATHER ROUNDUP FOR “SUB-STATE REGION”,  
“STATE”, OR “MULTI-STATE REGION”

(MND)

NATIONAL WEATHER SERVICE city st  
time am/pm time\_zone day mon dd yyyy

(Issuing Office)  
(Issuing time and date)

stZ001-005>015-ddhhmm-

(UGC:Z & Product  
expiration time)

[TEXT]

\$\$

(UGC Delimiter)

Name/Initials/Fcstr ID

(Optional)

Note: The “xxx” in this product is either a modernized three-letter WFO identifier or a two-letter state abbreviation followed by a “space”.

4.4 Updates, Amendments, and Corrections. As needed, based upon user needs.

5. **Maximum/Minimum Temperature and Precipitation Table (Product Category RTP).**

5.1 Mission Connection. The Maximum/Minimum Temperature and Precipitation Table (RTP) provides the maximum/minimum temperatures and precipitation totals for a sub-state region, an entire state, or a multi-state region. The RTP table is used by national centers and local media.

The 0030 UTC and 1230 UTC issuances will contain specific time frames for temperature extremes (see 5.3.5.1.4 Format Summary Table); however, precipitation will be for a 24-hour period ending at the top of the synoptic hour. RTP tables for other times will generally contain extremes for a 24-hour period for both temperatures and precipitation ending at a specific time, or for a calendar day (defined as midnight to midnight local time).

Only those stations that meet the criteria defined in National Weather Service Instruction (NWSI) 10-1302, Instrument Requirements and Standards for the NWS Surface Observing Programs (Land) will be included in the RTP product. In general, surface aviation (METAR) observations and cooperative (COOP) observing stations qualify for use in the RTP. WFOs, in coordination with their local users and Regional Headquarters, will determine the regional extent of this product and which WFOs will issue sub-state, multi-state, or state product(s).

5.2 Issuance Guidelines.

5.2.1 Creation Software. The river product formatter (Riverpro) in the WFO Hydrologic Forecast System (WHFS) should be used to compose the RTP. Other software may be used as long as the proper product format is followed.

5.2.2 Issuance Criteria. The RTP is a routine product.

5.2.3 Issuance Time. The RTP should be issued at least twice daily; in the morning around 1230 hours UTC and in the afternoon/evening around 0030 hours UTC. WFOs may issue additional products to capture “calendar day” values as reports become available.

5.2.4 Valid Time. The RTP is generally valid up to 12 hours from the product issuance time.

5.2.5 Product Expiration Time. The RTP does not have a product expiration time.

5.2.6 Event Expiration Time. The RTP does not have an event expiration time.

### 5.3 Technical Description.

5.3.1 UGC Type. The RTP does not use UGC coding.

5.3.2 MND Broadcast Instruction Line. The RTP does not contain an MND Broadcast Instruction Line.

5.3.3 MND Product Type Line. The RTP MND is “MAX/MIN TEMPERATURE AND PRECIPITATION TABLE FOR “SUB-STATE REGION”, “STATE”, OR “MULTI-STATE REGION” where “SUB-STATE REGION”, “STATE”, OR “MULTI-STATE REGION” are replaced appropriately.

5.3.4 Content. Maximum and minimum temperatures (in degrees Fahrenheit) and 24-hour precipitation totals (in inches) will be included. Weather elements such as current weather, snowfall and snow depth may be included, but any additional information should be kept to a minimum. WFOs may list the highest and lowest temperatures for their region or area at the bottom of the report. WFOs should clearly identify the valid time period for the reported data at the top of the text.

5.3.5 Format. The RTP is a tabular product, and will use Standard Hydrometeorological Exchange Format (SHEF) coding for ease in automated software processing. The SHEF “.BR” report code will be used (see NWS Manual 10-944, *Standard Hydrometeorological Exchange Format Manual*).

<u>Product Format</u>	<u>Description of Entry</u>
ASaa6i cccc ddhhmm	(WMO Heading)
RTPxxx	(AWIPS ID)
MAX/MIN TEMPERATURE AND PRECIPITATION TABLE FOR “SUB-STATE REGION”, “STATE”, OR “MULTI-STATE REGION”	(MND)
NATIONAL WEATHER SERVICE city st	(Issuing Office)
time am/pm time_zone day mon dd yyyy	(Issuing time and date)
.BR locid mmdd tz DHhh/TAIRZX/DHhh/TAIRZN/PPDRZZ/SFDRZZ/SDIRZZ	(SHEF turn-on code)

[TEXT]

.END

(SHEF turn-off code)

THESE DATA ARE PRELIMINARY AND HAVE NOT UNDERGONE FINAL QUALITY CONTROL BY THE NATIONAL CLIMATIC DATA CENTER /NCDC/. THEREFORE THESE DATA ARE SUBJECT TO REVISION. FINAL AND CERTIFIED CLIMATE DATA CAN BE ACCESSED AT [WWW.NCDC.NOAA.GOV](http://WWW.NCDC.NOAA.GOV).

\$\$

Name/Initials/Fcstr ID

(Optional)

Note 1: The “xxx” in this product is either a modernized three-letter WFO identifier or a two-letter state abbreviation followed by a “space”. The “locid” is the three through eight alphanumeric character SHEF location identifier.

Note 2: Reports will be grouped according to time zone of the observing station. Therefore, if a WFO includes observations from observing stations in two (or more) separate time zones, the RTP report will be formatted in two (or more) sections such that each section contains observations from only one (1) time zone.

Note 3: Specific time periods and elements included will be listed at the top of the product.

Note 4: Reporting stations may be grouped together by geographical area. These areas will be determined by the issuing WFO.

Note 5: “BR” turns on SHEF coding. Any lines following the “.BR” line which are not SHEF encoded (for example, column headers) will contain a colon (“.”) as the first character.

Note 6: Each station in the RTP will include the following elements:

- a. SHEF location identifier (locid) – three through eight alphanumeric characters followed by a colon.
- b. Station name.
- c. Station elevation (optional). If included, the station elevation will be reported in the same section as the station name and elevation will be followed by a colon. Otherwise, the station name will be followed by a colon. (The station name and elevation are not SHEF encoded. In SHEF, values between colons are processed as a remark by the SHEF decoder.)
- d. Observation time (COOP stations only), based on the value used in the original observation, followed by a solidus (“/”).
- e. Observed weather elements, each separated by a solidus. “M” will be used to indicate missing data that is normally reported by the station. If the station does not normally report this element (e.g. high/low temperature at a precipitation-only station), this field

will be left blank.

Note 7: “.END”, listed on a single line at the end of the observation table, turns off the SHEF coding.

Note 8: WFOs will include the following phrase at the end of the product: THESE DATA ARE PRELIMINARY AND HAVE NOT UNDERGONE FINAL QUALITY CONTROL BY THE NATIONAL CLIMATIC DATA CENTER /NCDC/. THEREFORE THESE DATA ARE SUBJECT TO REVISION. FINAL AND CERTIFIED CLIMATE DATA CAN BE ACCESSED AT WWW.NCDC.NOAA.GOV.

5.3.5.1 The SHEF element codes will vary depending on the issuance time, source of observation, and specific reporting period.

5.3.5.1.1 For METAR observations included in the morning issuance around 1230 UTC:

.BR locid mmdd tz DH00/TAIRZX/DHhh/TAIRZP/PPDRZZ/SFDRZZ/SDIRZZ for Standard Time

or

.BR locid mmdd tz DH01/TAIRZX/DHhh/TAIRZP/PPDRZZ/SFDRZZ/SDIRZZ for Daylight Time

DH00/DH01 represents midnight Local Standard Time for TAIRZX, and DHhh represents 12 UTC reported in Local Time for the remaining elements.

Create a separate SHEF .BR section using the format in 5.3.5.1.3. if COOP data are reported in the 1230 UTC RTP table.

5.3.5.1.2 For METAR observations included in the evening issuance around 0030 UTC:

.BR locid mmdd tz DHhh/TAIRZS/TAIRZI/PPDRZZ/SFDRZZ/SDIRZZ

Where DHhh corresponds to 00 UTC reported in Local Standard Time.

Create a separate SHEF .BR section using the format in 5.3.5.1.3 if COOP data are reported in the 0030 UTC RTP table.

5.3.5.1.3 For locally required issuances (e.g. COOP data):

.BR locid mmdd tz DHhh/TAIRZX/TAIRZN/PPDRZZ/SFDRZZ/SDIRZZ

Where DHhh represents 7 AM Local Time for 24 hour morning reports and 7 PM Local Time for 24 hour evening reports.

Create a separate SHEF .BR section using the formats in 5.3.5.1.1 or 5.3.5.1.2. if METAR data are reported in RTP tables outside of 1230 UTC and 0030 UTC.

5.3.5.1.4 Format Summary Table (see next page).



Report Time and Source	SHEF Parameter Code	Elements Included
Morning issuance (1230 UTC) - METAR data	tz DH00 / DH01 TAIRZX DHhh TAIRZP PPDRZZ SFDRZZ (optional) SDIRZZ (optional)	E for Eastern Time, C for Central Time, etc. For yesterday's high temperature reported at midnight Local Standard Time.(e.g. Use DH00 for Standard Time and DH01 for Daylight Time) High temperature past calendar day. For reporting low temperature and precipitation elements, hh corresponds to 12 UTC in Local Time (e.g. 07 for Eastern Time Zone, 06 for Central Time Zone, etc.) Low temperature past 12 hours Precipitation last 24 hours Snowfall last 24 hours (optional) Snow depth (optional)
Evening issuance (0030 UTC) - METAR data	tz DHhh TAIRZS TAIRZI PPDRZZ SFDRZZ (optional) SDIRZZ (optional)	E for Eastern Time, C for Central Time, etc. DDhh corresponds to 00 UTC High temperature past 18 hours Low temperature past 18 hours Precipitation last 24 hours Snowfall last 24 hours (optional) Snow depth (optional)
Locally required issuances - COOP data	tz DHhh TAIRZX TAIRZN PPDRZZ SFDRZZ (optional) SDIRZZ (optional)	E for Eastern Time, C for Central Time, etc. hh corresponds to 7 AM or 7 PM Local Time High temperature past 24 hours Low temperature past 24 hours Precipitation past 24 hours Snowfall last 24 hours (optional) Snow depth (optional)

5.4 Updates, Amendments, and Corrections. As needed, based upon user needs. WFOs will identify amendments or corrections per standard SHEF code (see NWS Manual 10-944, *Standard Hydrometeorological Exchange Format Manual*).

**APPENDIX A - WFO Statements, Summaries, Tables Product Examples**

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1. Introduction. This section contains examples of WFO Statements, Summaries, and Tables.

2. Public Information Statement.

A.

NOUS44 KBMX DDHMM  
PNSBMX  
ALZ011>015-017>050-DDHMM-

PUBLIC INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE BIRMINGHAM AL  
XXXX XM CXT XXX XXX XX XXXX

...THIS WEEK IS NATIONAL LIGHTNING SAFETY AWARENESS WEEK...

TODAY/S TOPIC IS LIGHTNING AWARENESS. LIGHTNING KILLS--PLAY IT SAFE!

IN THE UNITED STATES EACH YEAR...THERE ARE ABOUT 25 MILLION CLOUD-TO-GROUND LIGHTNING STRIKES. WHILE LIGHTNING CAN BE FASCINATING TO WATCH...IT IS EXTREMELY DANGEROUS. DURING THE LAST 30 YEARS...LIGHTNING HAS KILLED AN AVERAGE OF 55 PEOPLE PER YEAR IN THE UNITED STATES WHILE INJURING 300 MORE. BRINGING THAT DOWN TO THE LOCAL LEVEL...ALABAMA HAD 110 REPORTED LIGHTNING DEATHS BETWEEN 1959 AND 2010...RANKING 12TH IN THE NATION FOR HIGHEST MORTALITY RATE.

DURING A THUNDERSTORM...EACH LIGHTNING FLASH IS A POTENTIAL KILLER. LIGHTNING CAN EVEN STRIKE UP TO 10 MILES FROM THE MAIN AREA OF THE THUNDERSTORM...WHICH IS ABOUT THE DISTANCE YOU CAN HEAR THUNDER FROM THE STORM. WHETHER OR NOT YOU CAN SEE THE ACTUAL LIGHTNING FLASH...IF YOU CAN HEAR THUNDER...YOU ARE AT RISK OF BEING STRUCK. IN ADDITION TO THE VISIBLE FLASH OF LIGHTNING...THE CURRENT ASSOCIATED WITH THE LIGHTNING DISCHARGE TRAVELS ALONG THE GROUND. ALTHOUGH SOME VICTIMS ARE STRUCK DIRECTLY BY THE STROKE...MANY VICTIMS ARE STRUCK AS THE CURRENT MOVES IN AND ALONG THE GROUND.

PEOPLE NEED TO BECOME AWARE OF WHAT BEHAVIOR PUTS THEM AT THE GREATEST RISK OF BEING STRUCK BY LIGHTNING AND KNOW WHAT THEY CAN DO TO REDUCE THAT RISK. THOSE IN CHARGE OF OUTDOOR ACTIVITIES AND EVENTS SHOULD HAVE AND FOLLOW A SPECIFIC LIGHTNING SAFETY PLAN TO MINIMIZE DANGER TO PARTICIPANTS AND SPECTATORS. THE GREATEST NUMBER OF LIGHTNING DEATHS AND INJURIES OCCURS DURING THE SUMMER MONTHS WHEN BOTH LIGHTNING AND OUTDOOR ACTIVITIES REACH THEIR PEAKS. DURING THE SUMMER...PEOPLE TAKE ADVANTAGE OF THE WARM WEATHER TO ENJOY A MULTITUDE OF OUTDOOR ACTIVITIES. UNFORTUNATELY...THOSE ACTIVITIES PUT THEM AT GREATER RISK OF BEING STRUCK. EVEN INDOORS...PEOPLE MUST AVOID ACTIVITIES THAT PUT THEM AT RISK. IN PARTICULAR...PEOPLE SHOULD STAY AWAY FROM OUTSIDE DOORS AND WINDOWS AND AVOID CONTACT WITH ANYTHING THAT CONDUCTS ELECTRICITY.

FINALLY...IN THE EVENT THAT A PERSON IS STRUCK BY LIGHTNING...IMMEDIATE MEDICAL CARE MAY BE NECESSARY TO SAVE THE PERSON/S LIFE. CARDIAC ARREST...BURNS AND NERVE DAMAGE ARE COMMON IN CASES WHERE PEOPLE HAVE BEEN STRUCK BY LIGHTNING. WITH PROPER TREATMENT...INCLUDING CPR IF NECESSARY...MOST VICTIMS CAN SURVIVE A LIGHTNING STRIKE...BUT THE LONG TERM EFFECTS ON THEIR LIVES AS WELL AS THE LIVES OF THEIR FAMILIES CAN BE DEVASTATING.

FOR MORE INFORMATION ABOUT LIGHTNING SAFETY...VISIT /USE LOWER CASE LETTERS/:

[WWW.LIGHTNINGSAFETY.NOAA.GOV](http://WWW.LIGHTNINGSAFETY.NOAA.GOV).

FOR FURTHER INFORMATION...PLEASE CONTACT

NATIONAL WEATHER SERVICE  
BIRMINGHAM... AL  
205-664-3010

OR VISIT OUR WEB SITE AT /USE LOWER CASE LETTERS/:

[WWW.SRH.NOAA.GOV/BMX](http://WWW.SRH.NOAA.GOV/BMX).

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B.

NOUS45 KSLC 070924  
 PNSSL  
 UTZ001>009-071224-

PUBLIC INFORMATION STATEMENT  
 NATIONAL WEATHER SERVICE SALT LAKE CITY UT  
 230 AM MST WED DEC 7 2005

...PRELIMINARY STORM TOTALS FOR NORTHERN UTAH...

AN ARCTIC FRONT WHICH MOVED THROUGH NORTHERN AND CENTRAL UTAH MONDAY AND MONDAY EVENING BROUGHT FAIRLY WIDESPREAD SNOW TO MUCH OF NORTHERN UTAH. BELOW ARE THE LATEST SNOWFALL REPORTS FOR LOCATIONS ACROSS NORTHERN UTAH. SOME REPORTS WERE RECEIVED BEFORE THE END OF THE EVENT.

LOCATION	SNOWFALL IN/S/	WATER EQUIV IN/S/	COMMENTS
----------	-------------------	-------------------------	----------

...NORTHERN WASATCH...

LOOKOUT PEAK 8200 FT	14	1.10	
HARDSCRABBLE 7250 FT	12	0.80	
TONY GROVE LAKE 8400 FT	11	0.70	
MONTE CRISTO 9000 FT	10	0.60	
LOUIS MEADOW 6700 FT	10	0.70	
PARLEYS SUMMIT 7500 FT	8	0.70	
FARMINGTON 8000 FT	7	0.60	
LITTLE BEAR 6550 FT	6	0.40	
BEN LOMOND PEAK 8000 FT	5	0.30	
BEN LOMOND TRAIL 6000 FT	5	0.30	
PARRISH CREEK 7740 FT	5	0.30	
DRY BREAD POND 8350 FT	5	0.30	
FARMINGTON LOWER 6800 FT	3	0.20	

...NORTHERN UTAH VALLEYS...

ALPINE	12		300 PM
SUNCREST	10		
CEDAR HILLS	8		200 PM
SANDY	7		
SLC AVENUES	5		
PLEASANT GROVE	7		300 PM
LOGAN /KVNU/	4		
LAYTON BENCH	4		
UPPER MILLCREEK	4	0.19	
WEST JORDAN	4		
DRAPER	3.5		
COTTONWOOD HEIGHTS	3.5		
LAYTON	3		
SPANISH FORK	3		
JORDANELLE RESERVOIR	3		1200 PM
MANTUA	3		
SALT LAKE AIRPORT	2.7		
SOUTH JORDAN	2.5	0.21	
GRANTSVILLE	1		

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C.

NOUS45 KSLC 131950  
PNSSLC

PUBLIC INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE SALT LAKE CITY UT  
1251 PM MST MON FEB 13 2012

...PRELIMINARY STORM INFORMATION...

***** PRECIP REPORTS *****	TIME	SNOW	PRECIP
...CACHE VALLEY/UTAH PORTION...			
NORTH LOGAN - 4725 FT	7 AM MON	1.5	0.05
RICHMOND - 4576 FT	7 AM MON	0.5	0.05
LOGAN - 4805 FT	6 AM MON	0.2	0.07
SMITHFIELD - 4760 FT	12 PM MON		0.08
NIBLEY - 4528 FT	12 PM MON		0.04
MENDON - 4521 FT	12 PM MON		0.04
PARADISE FIRE STN - 4932 FT	12 PM MON		0.02

...NORTHERN WASATCH FRONT...	TIME	SNOW	PRECIP
BOUNTIFUL - 5117 FT	7 AM MON	3.8	0.63
BOUNTIFUL BENCH - 5050 FT	11 PM SUN	2.5	0.62
SOUTH OGDEN - 4780 FT	9 PM SUN	0.5	0.20
NORTHEAST OGDEN BENCH - 4560 FT	12 AM MON	0.2	0.20
ROY - 4457 FT	7 AM MON	0.1	0.09
CENTERVILLE - 4445 FT	12 AM MON		0.50
WEST BOUNTIFUL - 4331 FT	12 PM MON		0.29
OGDEN 2 NE - 4546 FT	7 AM MON		0.28
FARMINGTON BENCH - 4700 FT	12 PM MON		0.19
BEUS CANYON - 5100 FT	12 PM MON		0.17
LAYTON - 4468 FT	11 AM MON		0.16
KAYSVILLE - 4413 FT	11 AM MON		0.16
FARMINGTON - 4232 FT	11 AM MON		0.15
FRUIT HEIGHTS - 4762 FT	12 PM MON		0.10
BRIGHAM CITY - 4400 FT	12 PM MON		0.06
SYRACUSE - 4245 FT	11 AM MON		0.05
WOODS CROSS - 4236 FT	12 PM MON		0.04
PERRY - 4491 FT	6 AM MON		0.03
HARRISVILLE - 4311 FT	6 AM MON		0.01

***** WIND REPORTS *****	TIME	WINDSPEED
CENTRAL WASATCH PEAKS - 10994 FT	11 AM SUN	50 MPH
BRIMSTONE RESERVOIR - 5620 FT	8 PM SAT	40 MPH

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D.

NOUS43 KBIS 272015  
PNSBIS  
NDZ001>005-009>013-017>023-025-031>037-040>048-050-051-272315-

PUBLIC INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE BISMARCK ND  
315 PM CDT WED SEP 27 2006

...FINAL RAINFALL TOTALS FOR WESTERN AND CENTRAL NORTH DAKOTA...

LOW PRESSURE AND A COLD FRONT MOVED THROUGH NORTH DAKOTA LAST NIGHT AND THIS MORNING AND BROUGHT MUCH NEEDED RAIN TO DROUGHT STRICKEN AREAS OF THE WEST AND CENTRAL.

**NWSI 10-501 May 4, 2012**

RAIN ENDED OVER THE AREA EARLY THIS AFTERNOON. HERE ARE SOME FINAL TOTALS REPORTED TO THE NATIONAL WEATHER SERVICE IN BISMARCK.

LOCATION	RAINFALL IN/S/	COMMENTS
...ADAMS COUNTY...		
HETTINGER	1.05	ENDED 1115 AM
...BURLEIGH COUNTY...		
BISMARCK	0.98	
MOFFIT	0.90	
STERLING	0.89	
WILTON	1.17	
...GOLDEN VALLEY COUNTY...		
BEACH	1.64	
GOLVA	1.49	
...STARK COUNTY...		
DICKINSON	1.90	ENDED 1230 PM
LEFOR	1.65	
RICHARDTON	1.77	
...WILLIAMS COUNTY...		
WILLISTON	0.44	

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**E.**

NOUS41 KALY 111554  
 CTZ001-013-MAZ001-025-NYZ032-033-038>043-047>054-058>061-063>066-082>  
 084-VTZ013>015-120352-

PUBLIC INFORMATION STATEMENT  
 SPOTTER REPORTS  
 NATIONAL WEATHER SERVICE ALBANY NY  
 1052 AM EST TUE NOV 11 2008

THE FOLLOWING ARE UNOFFICIAL OBSERVATIONS TAKEN DURING THE PAST 24 HOURS FOR THE STORM THAT HAS BEEN AFFECTING OUR REGION. APPRECIATION IS EXTENDED TO HIGHWAY DEPARTMENTS...COOPERATIVE OBSERVERS...SKYWARN SPOTTERS AND MEDIA FOR THESE REPORTS. THIS SUMMARY IS ALSO AVAILABLE ON OUR HOME PAGE AT WEATHER.GOV/ALBANY

\*\*\*\*\*STORM TOTAL SNOWFALL\*\*\*\*\*

LOCATION	STORM TOTAL SNOWFALL (INCHES)	TIME/DATE OF MEASUREMENT	COMMENTS
NEW YORK			
...GREENE COUNTY...			
HALCOTT	0.5	507 PM 11/10	
LEXINGTON	0.3	455 PM 11/10	WXNET6
...HAMILTON COUNTY...			
LONG LAKE	3.5	433 PM 11/10	WX NET 6
INDIAN LAKE	2.0	605 PM 11/10	

PISECO 0.1 839 AM 11/11  
...HERKIMER COUNTY...  
BEAVER RIVER 6.0 930 PM 11/10  
OLD FORGE 4.5 749 AM 11/11 TRAINED SPOTTER

VERMONT

...BENNINGTON COUNTY...  
WOODFORD 1.3 622 PM 11/10

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F.

NOUS41 KWBC 171300  
PNSWSH

SERVICE CHANGE NOTICE 08-60  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
800 AM EST MON NOV 17 2008

TO: SUBSCRIBERS:  
-FAMILY OF SERVICES  
-NOAA WEATHER WIRE SERVICE  
-EMERGENCY MANAGERS WEATHER INFORMATION NETWORK  
OTHER NWS PARTNERS...AND NWS EMPLOYEES

FROM: ELI JACKS  
CHIEF...FIRE AND PUBLIC WEATHER SERVICES BRANCH

SUBJECT: IMPLEMENTATION OF A MAXIMUM/MINIMUM TEMPERATURE AND  
PRECIPITATION TABLE PRODUCT AT THE WEATHER FORECAST  
OFFICE AT AUSTIN/SAN ANTONIO TEXAS: EFFECTIVE  
WEDNESDAY JANUARY 28 2009

EFFECTIVE WEDNESDAY JANUARY 28 AT 1100 COORDINATED UNIVERSAL TIME  
/UTC/ THE AUSTIN/SAN ANTONIO /EWX/ TEXAS WEATHER FORECAST OFFICE  
/WFO/ WILL BEGIN ISSUING A MAXIMUM/MINIMUM TEMPERATURE AND  
PRECIPITATION TABLE PRODUCT /PRODUCT CATEGORY RTP/ FOR THE  
AUSTIN/SAN ANTONIO AREA OF FORECAST RESPONSIBILITY.

ON THE ABOVE DATE THE FOLLOWING FORECAST PRODUCT WILL BE ISSUED  
DAILY /MORE FREQUENTLY AS NEEDED/ BY WFO EWX.

PRODUCT NAME	WMO HEADING	AWIPS IDENTIFIER
MAXIMUM/MINIMUM TEMPERATURE AND PRECIPITATION TABLE	ASUS64 KEWX	RTPEWX

PERTINENT PERSONNEL/OFFICES/AGENCIES WILL NEED TO ADD THIS  
COMMUNICATION IDENTIFIER TO THEIR COMMUNICATION SYSTEMS TO  
RECEIVE THIS NWS PRODUCT.

THE RTP WILL PROVIDE DETAILED MAXIMUM AND MINIMUM TEMPERATURE AND  
PRECIPITATION REPORTS FROM SOME LOCATIONS AROUND THE AUSTIN/SAN  
ANTONIO AREA OF FORECAST RESPONSIBILITY.

FOR QUESTIONS ABOUT THIS CHANGE...PLEASE CONTACT:

JOE ARELLANO  
METEOROLOGIST-IN-CHARGE  
NATIONAL WEATHER SERVICE OFFICE  
2090 AIRPORT RD  
NEW BRAUNFELS TX 78130  
PHONE 830-606-3617  
EMAIL JOE.ARELLANO@NOAA.GOV



NWS SERVICE CHANGE NOTICES ARE ONLINE AT /USE LOWERCASE/:

HTTP://WWW.WEATHER.GOV/OS/NOTIF.HTM

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### 3. Weather Summary

#### A.

AWUS83 KOMA 201424  
RWSNE  
NEZ001>093-210200-

WEATHER SUMMARY FOR NEBRASKA  
NATIONAL WEATHER SERVICE OMAHA/VALLEY NE  
924 AM CDT MON MAY 20 2002

SKIES REMAINED MOSTLY CLOUDY WEST OF AN AINSWORTH TO ORD TO SUPERIOR LINE MONDAY MORNING. EVEN A FEW SPRINKLES WERE INDICATED BY RADAR OVER SOUTH CENTRAL AREAS. SKIES WERE SUNNY ACROSS THE EAST...AND ALSO OVER PARTS OF THE PANHANDLE.

TEMPERATURES AROUND THE STATE BY 9 AM CDT WERE IN THE UPPER 40S AND 50S...RANGING FROM 46 DEGREES AT AINSWORTH UP TO 56 DEGREES AT MCCOOK. OVERNIGHT LOWS THROUGH 7 AM CDT WERE ABOVE FREEZING... VARYING FROM 34 DEGREES AT AINSWORTH...COLUMBUS...AND ONEILL... UP TO 50 DEGREES AT CHADRON...HASTINGS...HOLDREGE...LEXINGTON... AND NORTH PLATTE.

WINDS THIS MORNING WERE EAST AT LESS THAN 15 MPH ACROSS THE EAST...AND SOUTHEAST AT 10 TO 20 MPH WITH AREAS OF HIGHER GUSTS OVER WESTERN NEBRASKA.

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KLEMM

#### B.

AWUS81 KLWX 220852  
RWSLWX  
MDZ002>007-009>011-013-014-016>018-WVZ048>055-VAZ021-025>031-036>042-050>057-DCZ001-221000-

WEATHER SUMMARY FOR MARYLAND WEST OF THE CHESAPEAKE BAY AND EAST OF GARRETT COUNTY... THE DISTRICT OF COLUMBIA... NORTHERN VIRGINIA... THE NORTHERN AND CENTRAL SHENANDOAH VALLEY AND THE EASTERN PANHANDLE OF WEST VIRGINIA  
NATIONAL WEATHER SERVICE BALTIMORE/WASHINGTON  
500 AM EDT WED MAY 22 2002

SKIES WERE CLEAR ACROSS THE REGION EARLY THIS MORNING. EARLY MORNING TEMPERATURES WERE IN THE 30S AND 40S.

HIGH PRESSURE WILL REMAIN OVER THE REGION TODAY. UNDER SUNNY SKIES TEMPERATURES WILL CLIMB WELL INTO THE 70S.

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### 4. Weather Roundup.

A.

ASUS41 KWBC 171404  
RWRVA

WEATHER ROUNDUP FOR VIRGINIA  
NATIONAL WEATHER SERVICE BLACKSBURG VA  
1000 AM EDT WED SEP 17 2003

NOTE: FAIR INDICATES FEW OR NO CLOUDS BELOW 12K FEET WITH  
NO SIGNIFICANT WEATHER AND/OR OBSTRUCTIONS TO VISIBILITY. \*=STATION  
THAT DOES NOT REPORT PRECIPITATION /E.G. RAIN...SNOW...ETC./ ...THUNDER  
OR FOG.

VAZ042-051-052>054-056-171500-  
IN NORTHERN VIRGINIA

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
WASH NATIONAL	MOSUNNY	70	59	68	NE9	30.28R	
WASH DULLES	SUNNY	67	56	67	N6	30.29R	

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VAZ020-022-025-037-045-171500-  
IN WESTERN VIRGINIA

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
CHARLOTTESVILL	SUNNY	67	56	67	CALM	30.26R	
ROANOKE	SUNNY	63	54	72	N10	30.29R	
LYNCHBURG	SUNNY	67	52	58	VRB6	30.27R	
DANVILLE	SUNNY	68	55	63	NE12	30.24R	

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VAZ071-094-095-098-099-171500-  
IN SOUTHEASTERN VIRGINIA

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
RICHMOND	MOSUNNY	70	61	73	N10	30.22R	
NEWPORT NEWS	SUNNY	73	62	68	E15G25	30.17R	
NORFOLK	MOSUNNY	75	64	68	E16G25	30.14S	
WALLOPS ISLAND	SUNNY	73	58	59	NE25G31	30.20R	

\$\$

B.

ASHW40 PHFO 232110  
RWRHI

WEATHER ROUNDUP FOR HAWAII  
NATIONAL WEATHER SERVICE HONOLULU HI  
1100 AM HST THU MAR 23 2006

NOTE... FAIR INDICATES FEW OR NO CLOUDS BELOW 12 000 FEET  
WITH NO SIGNIFICANT WEATHER AND/OR OBSTRUCTIONS TO VISIBILITY.

HIZ001>004-232200-  
KAUAI-NIIHAU-

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
LIHUE	LGT RAIN	73	68	83	SW10	29.88R	

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HIZ005>011-232200-  
OAHU-

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
HONOLULU	MOSUNNY	75	72	89	S6	29.88F	
KALAELOA	MOSUNNY	76	73	92	VRB5	29.89F	
KANEOHE MCB	PTSUNNY	78	72	80	CALM	29.87F	
WHEELER FIELD	PTSUNNY	75	68	78	SW12	29.90S	

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HIZ012>022-232200-  
MAUI-MOLOKAI-LANAI-KAHOOLAWE-

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
KAHULUI	PTSUNNY	83	66	56	S25G33	29.88F	
KAPALUA	PTSUNNY	81	66	61	S23G30	29.89F	
MOLOKAI AIRPT	RAIN	76	72	86	S17G25	29.90S	
LANAI CITY	PTSUNNY	71	70	96	S14	29.96S	

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HIZ023>028-232200-  
BIG ISLAND OF HAWAII-

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
KAILUA KONA	CLOUDY	83	66	56	SW14	29.88F	
BRADSHAW FIELD	PTSUNNY	64	46	52	W2	30.17S	
HILO	PTSUNNY	84	64	51	N10	29.89F	

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PHZ110>124-180-232200-  
BUOY REPORTS

STATION/POSITION	TIME	TEMP		WIND		PRES	WAVE		SWELL	
		AIR	SEA	DIR/SP/G	DIR/SP/G		HT/PER	HT/DIR	HT/DIR	
BUOY 51001	2100	74	75	240/	4/ 4	1010.5S	6/ 8	7/ 20		
BUOY 51002	2000	77	76	120/	4/ 6	1012.4R	5/ 9	5		
BUOY 51003	2100	77	77	220/	8/ 8	1011.5F	6/13	5		
BUOY 51004	2100	78	75	110/	10/ 12	1014.5R	6/ 8	5		
WAIMEA BAY BUOY	2000					N/A	3/ 8	2/ 20		
KAILUA BAY BUOY	2000		76			N/A	5/ 8	2/ 60		
BUOY 51028	2100	78	79	90/	14/ 16	1010.1F	6/10	5/ 40		

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## 5. Max/Min Temperature and Precipitation Table

### A. 1230 UTC issuance

ASUS65 KPUB 201227  
RTPCO

COLORADO TEMPERATURE AND PRECIPITATION TABLE  
NATIONAL WEATHER SERVICE PUEBLO CO  
627 AM MDT THU MAR 20 2008

HIGH TEMPERATURE YESTERDAY  
LOW TEMPERATURE PAST 12 HOURS  
24 HOUR PRECIPITATION ENDING AT 6 AM MDT  
SNOW DEPTH AT 6 AM MDT

```
.BR BOU 0320 M DH01/TAIRZX/DH06/TAIRZP/PPDRZZ/SDIRZZ
:
: ...COLORADO...
:
:           HIGH   LOW   PCPN   SNOW
:           :     :     :     : DEPTH
AKO : AKRON      :  61 / 30 / 0.00 /
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ALS : ALAMOSA : 52 / 22 / 0.00 / 0
ASE : ASPEN : 44 / 19 / 0.00 /
ITR : BURLINGTON : 65 / 29 / 0.00 /
COS : COLORADO SPRINGS : 59 / 29 / 0.00 / 0
CEZ : CORTEZ : 59 / 23 / 0.00 /
CAG : CRAIG : 46 / 25 / 0.00 /
DEN : DENVER : 61 / 27 / 0.00 /
DRO : DURANGO : 54 / 24 / 0.00 /
EGE : EAGLE : 48 / 23 / M /
APA : ENGLEWOOD : 58 / 31 / 0.00 /
GJT : GRAND JUNCTION : 59 / 37 / 0.00 / 0
GUC : GUNNISON : 28 / 3 / M /
HDN : HAYDEN : 43 / 28 / M /
LHX : LA JUNTA : 67 / 29 / 0.00 /
LAA : LAMAR : 70 / 18 / 0.00 /
LXV : LEADVILLE : 37 / 14 / 0.00 /
LIC : LIMON : 61 / 20 / 0.00 /
EEO : MEEKER : 48 / 26 / 0.00 /
MTJ : MONTROSE : 59 / 31 / 0.00 /
PUB : PUEBLO : 68 / 23 / 0.00 / 0
RIL : RIFLE : 56 / 27 / 0.00 /
SPD : SPRINGFIELD : 66 / 33 / 0.00 /
TAD : TRINIDAD : 64 / 37 / 0.00 /
.END

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THESE DATA ARE PRELIMINARY AND HAVE NOT UNDERGONE FINAL QUALITY CONTROL BY THE NATIONAL CLIMATIC DATA CENTER /NCDC/. THEREFORE THESE DATA ARE SUBJECT TO REVISION. FINAL AND CERTIFIED CLIMATE DATA CAN BE ACCESSED AT [WWW.NCDC.NOAA.GOV](http://WWW.NCDC.NOAA.GOV).

FROM THE ABOVE REPORTS

THE HIGHEST TEMPERATURE IN COLORADO YESTERDAY WAS 70 DEGREES IN LAMAR.

THE LOWEST TEMPERATURE IN COLORADO DURING THE PAST 12 HOURS WAS 3 DEGREES IN GUNNISON.

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### B. 0030 UTC issuance (including treatment of missing or unreported data)

ASUS63 KMPX 200025  
RTPMN

MAX/MIN TEMPERATURE AND PRECIPITATION TABLE FOR MINNESOTA  
NATIONAL WEATHER SERVICE TWIN CITIES/CHANHASSEN MN  
725 PM CDT WED MAR 19 2008

VALUES REPRESENT 18 HOUR HIGH...18 HOUR LOW  
AND PRECIPITATION OVER THE LAST 24 HOURS  
SNOW FALL OVER THE LAST 24 HOURS AND SNOW DEPTH AT 6PM

```

.BR MPX 0319 C DH18/TAIRZS/TAIRZI/PPDRZZ/SFDRZZ/SDIRZZ
:
:          STATION          MAX  MIN  24-HR  SNOW  SNOW
:          NAME            TEMP TEMP  PCPN  FALL  DEPTH
AXN : ALEXANDRIA MN ARPT   :  M / M / M / / /
STC : ST CLOUD MN ARPT    :  47 / 20 / 0.00 / 0.0 /
MSP : MINNEAPOLIS MN ARPT :  48 / 25 / 0.00 / 0.0 / T
RWF : REDWOOD FALLS MN ARPT :  49 / 26 / 0.00 / /
DLH : DULUTH AIRPORT      :  43 / 24 / 0.00 / 0.0 / 13
INL : INTERNATIONAL FALLS :  32 / 20 / 0.00 / 0.0 / 13
HIB : HIBBING ARPT       :  36 / 19 / 0.00 / /
GNA : GRAND MARAIS MN    :  40 / 24 / 0.00 / /
RST : ROCHESTER MN ARPT  :  47 / 30 / 0.00 / 0.0 / 0

```

.END

THESE DATA ARE PRELIMINARY AND HAVE NOT UNDERGONE FINAL QUALITY CONTROL BY THE NATIONAL CLIMATIC DATA CENTER /NCDC/. THEREFORE THESE DATA ARE SUBJECT TO REVISION. FINAL AND CERTIFIED CLIMATE DATA CAN BE ACCESSED AT [WWW.NCDC.NOAA.GOV](http://WWW.NCDC.NOAA.GOV).

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C. Locally required issuance (with elevation data)

ASUS66 KOTX 201809  
RTPOTX

EASTERN WASHINGTON AND NORTHERN IDAHO TEMPERATURE AND PRECIP  
NATIONAL WEATHER SERVICE SPOKANE WA  
1107 AM PDT THU MAR 20 2008

HIGH TEMPERATURE...LOW TEMPERATURE...PRECIPITATION...AND  
SNOWFALL PAST 24 HOURS UP TIL 10AM

NOTE: THESE LOCATIONS REPORT TEMPERATURES ONCE EVERY 24 HOURS.  
IN SOME WEATHER SITUATIONS...REPORTED LOW TEMPERATURES  
MAY REFLECT CONDITIONS FOR THE PREVIOUS DAY.

.BR OTX 0320 P DH07/TAIRZX/TAIRZN/PPDRZZ/SFDRZZ/SDIRZZ

:ID	STATION	ELEV	OBS TIME	MAX TEMP	MIN TEMP	24 HR PCPN	24 HR SNFL	SNOW DEPTH
BDDW1:	BOUNDARY DAM	1800	: DH0800/	47 /	21 /	T /	T /	3
CABI1:	CABINET GORGE DM	2260	: DH0745/	38 /	M /	M /	M /	M
CLNW1:	CHELAN	1120	: DH0800/	50 /	M /	0 /	M /	M
CHJW1:	CHIEF JOSEPH DAM	820	: DH0745/	52 /	M /	M /	M /	M
COWI1:	COEUR D'ALENE	2133	: DH0750/	44 /	31 /	0.17 /	1.0 /	1
DVPW1:	DAVENPORT	2440	: DH0757/	43 /	28 /	0.02 /	0 /	0
HLDW1:	HOLDEN VILLAGE	3220	: DH0800/	M /	M /	M /	M /	M
KLGI1:	KELLOGG	2320	: DH0800/	45 /	30 /	0.51 /	0.2 /	2
NHPW1:	NORTHPORT	1350	: DH0800/	53 /	29 /	0.01 /	0 /	0
PLMI1:	PLUMMER	2920	: DH0805/	42 /	27 /	0.10 /	0.5 /	1
POMW1:	POMEROY	1900	: DH0800/	47 /	34 /	0.01 /	0 /	0
S72 :	ST. MARIES	2200	: DH0800/	46 /	30 /	0.21 /	0.5 /	1
WENW1:	WENATCHEE	640	: DH0745/	52 /	32 /	0 /	0 /	0
WLDW1:	WILBUR	2230	: DH0800/	M /	M /	M /	M /	M

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D. Locally required issuance – dual time zone.

ASUS63 KBIS 091545  
RTPBIS

REGIONAL TEMPERATURE AND PRECIPITATION SUMMARY  
NATIONAL WEATHER SERVICE BISMARCK ND  
1045 AM CDT MON MAR 09 2009

:COOPERATIVE OBSERVATIONS  
:VALUES ARE FOR THE PREVIOUS 24 HOURS

: STATION	OBS TIME	MAX TEMP	MIN TEMP	24 HOUR PCPN	SNOW DEPTH
: NAME	: TIME	: TEMP	: TEMP	: PCPN	: SNOW / DEPTH

```

.....
.BR BIS 0309 C DH07/TAIRZX/TAIRZN/PPDRZZ/SFDRZZ/SDIRZZ
:
ALYN8: ASHLEY : DH0700/ 37 / 9 / 0.06 / 1.1 / 10
BMKN8: BISMARCK 5NNW : DH0705/ 31 / 5 / 0.02 / 0.3 / 9
BOTN8: BOTTINEAU : DH0700/ 30 / -13 / 0.05 / 0.5 / 6
FLAN8: FLASHER : DH0712/ 28 / 4 / 0.00 / M / 12
FTYN8: FORT YATES : DH0700/ 33 / 10 / T / T / M
GSNN8: GARRISON 1NNW : DH0655/ 34 / 1 / 0.00 / 0.0 / 11
HZTN8: HAZELTON : DH0700/ 28 / 6 / T / 0.1 / 7
JTNW8: JAMESTOWN HOSP : DH0700/ 30 / 9 / T / T / 14
LFDN8: LANSFORD : DH0600/ M / M / T / 0.2 / 16
LTNN8: LINTON 5NW : DH0701/ 33 / 7 / T / 0.3 / 10
MNON8: MINOT EXP. ST. : DH0700/ 33 / -1 / 0.00 / 0.0 / 15
MONN8: MONTPELIER : DH0700/ M / M / 0.06 / 1.0 / 12
SREN8: STREETER : DH0700/ 29 / 6 / 0.08 / 3.0 / 13
UNDN8: UNDERWOOD : DH0700/ 30 / 0 / 0.15 / 1.2 / 24
WTDN8: WATFORD CITY : DH0630/ 34 / -2 / T / T / 9
WTON8: WILTON : DH0600/ 26 / 2 / T / T / 26
WHKN8: WISHEK : DH0700/ 26 / 7 / 0.02 / 0.2 / 5
.END

```

```

:
.BR BIS 0309 M DH07/TAIRZX/TAIRZN/PPDRZZ/SFDRZZ/SDIRZZ
BUAN8: BEULAH 2NW : DH0600/ 34 / 0 / 0.02 / 0.5 / 18
CANN8: CARSON : DH0600/ 31 / 3 / T / T / M
DCKN8: DICKINSON EXP. ST : DH0530/ 39 / 0 / 0.04 / M / M
DNCN8: DUNN CENTER 1E : DH0630/ 44 / -1 / T / M / M
HETN8: HETTINGER EXP. ST : DH0600/ 39 / 3 / 0.02 / 0.2 / 8
MMTN8: MOTT 1N : DH0700/ 32 / 1 / 0.00 / M / M
.END

```

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E.

ASUS63 KDVN 261421  
RTPDVN

MAX/MIN TEMPERATURE AND PRECIPITATION TABLE FOR  
EASTERN IA/NORTHWESTERN IL/NORTHEASTERN MO  
NATIONAL WEATHER SERVICE QUAD CITIES IA IL  
821 AM CST FRI FEB 26 2010

```

.BR DVN 0226 C DH00/TAIRZX/DH06/TAIRZP/PPDRZZ/SFDRZZ/SDIRZZ
:
: VALUES REPRESENT HIGHS YESTERDAY...12-HOUR LOWS...
: AND 24-HOUR PRECIPITATION ENDING AT 6 AM CENTRAL TIME
:
:-----
:          MAX      MIN      SNOW
:  LOCATION      TEMP  TEMP    PCPN  SNOW  DEPTH
:-----
: FIRST-ORDER /ASOS/ SITES
BRL  : BURLINGTON ARPT : 29 / 2 / 0.00 / 0.0 / M
CID  : CEDAR RAPIDS ARPT : 20 / -1 / 0.00 / 0.0 / M
DVN  : DAVENPORT ARPT : 25 / 2 / 0.00 / 0.0 / 4
DBQ  : DUBUQUE ARPT : 26 / 11 / 0.00 / 0.0 / 5
IOW  : IOWA CITY ARPT : 24 / 4 / 0.00 / 0.0 / 5
MLI  : QUAD CITY ARPT : 30 / 8 / 0.00 / 0.0 / 4
:
: AWOS SITES--MAINTAINED BY THEIR RESPECTIVE STATES
CWI  : CLINTON ARPT : 27 / 1 / / /
FFL  : FAIRFIELD ARPT : 23 / -2 / / /
FSW  : FORT MADISON ARPT : 28 / 6 / / /
FEP  : FREEPORT ARPT : 26 / 14 / / /

```

NWSI 10-501 May 4, 2012

IIB : INDEPENDENCE ARPT : 28 / -3 / / /  
 EOK : KEOKUK ARPT : 32 / 7 / / /  
 MQB : MACOMB ARPT : 23 / 0 / / /  
 MXO : MONTICELLO ARPT : 27 / -3 / / /  
 MPZ : MT PLEASANT ARPT : 25 / 3 / / /  
 MUT : MUSCATINE ARPT : 31 / 9 / / /  
 SQI : STERLING ARPT : 30 / 9 / / /  
 VTI : VINTON ARPT : 25 / -1 / / /  
 AWG : WASHINGTON ARPT : 28 / M / / /

.END

.BR DVN 0226 C DH07/TAIRZX/TAIRZN/PPDRZZ/SFDRZZ/SDIRZZ :  
 : VALUES REPRESENT THE 24 HOURS ENDING AT 7 AM CENTRAL TIME  
 :  
 : DATA PROVIDED BY NATIONAL WEATHER SERVICE COOPERATIVE OBSERVERS.

-----  
 : LOCATION MAX MIN SNOW SNOW  
 : TEMP TEMP PCPN FALL DEPTH  
 -----

: NORTHEAST IOWA...

CASI4: CASCADE : DH0700/ 27 / 3 / 0.00 / 0.0 / 5  
 SNYI4: STANLEY : DH0730/ 22 / -4 / 0.00 / 0.0 / 9

: EAST CENTRAL IOWA...

ANAI4: ANAMOSA 1WNW : DH0715/ 27 / -2 / 0.09 / 1.0 / 7  
 BLLI4: BELLE PLAINE : DH0710/ 24 / -9 / 0.08 / 1.0 / 6  
 CGGI4: COGGON : DH0700/ 25 / -6 / 0.03 / 0.9 / 8  
 FULI4: FULTON : DH0730/ / / 0.02 / 0.8 / 4  
 LWDI4: LOWDEN : DH0715/ 26 / -2 / 0.20 / 2.3 / 7  
 MKTI4: MAQUOKETA 4W : DH0730/ 25 / 2 / / /  
 MSTI4: MUSCATINE 2N : DH0730/ 8 / 1 / 0.09 / 1.2 / 6  
 WLBI4: WILLIAMSBURG : DH0700/ 26 / -8 / 0.29 / 2.7 / 9

: SOUTHEAST IOWA...

DNNI4: DONNELLSON : DH0715/ 27 / -1 / 0.15 / 2.0 / 7  
 KEQI4: KEOSAUQUA : DHO800/ 31 / -2 / 0.18 / 2.0 / 4  
 WSHI4: WASHINGTON : DH0730/ 25 / -8 / 0.33 / 3.0 / 7

: NORTHWEST ILLINOIS...

ALEI2: ALEDO : DH0730/ 27 / 1 / 0.00 / 0.0 / 5  
 EZBI2: ELIZABETH 5S : DH7030/ 30 / 8 / 0.00 / 0.0 / 4  
 KEWI2: KEWANEE 1E : DH0710/ 28 / 9 / 0.00 / 0.0 / 4

: WEST ILLINOIS...

BTYI2: BENTLEY : DH0705/ 29 / -3 / 0.00 / 0.0 / 8  
 MMTI2: MONMOUTH 4NW : DH0720/ 29 / 0 / 0.00 / 0.0 / 8

: NORTHEAST MISSOURI...

MMPM7: MEMPHIS : DH0725/ 28 / -6 / 0.53 / 4.5 / 10

.END

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