

NATIONAL WEATHER SERVICE INSTRUCTION 10-501

APRIL 15, 2010

Operations and Services

Public Weather Services, NWSPD 10-5

WFO STATEMENTS, SUMMARIES, TABLES PRODUCTS SPECIFICATION

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

OPR: W/OS22 (A. Thomas)

Certified by: W/OS22 (E. Jacks)

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SUMMARY OF REVISIONS: This directive supersedes National Weather Service Instruction 10-501, “WFO Statements, Summaries, Tables Products Specification,” dated November 9, 2006.

1. Allows a longer product expiration time (usually up to 12 – 24 hours, but may be up to 31 days) for the Public Information Statement (PNS) in section 2.2.5.
2. Adds another allowed hydrometeorological Public Information Statement (PNS) in section 2.3.5.4.
3. Requires a standard format for the Maximum/Minimum Temperature and Precipitation Table (RTP) product in section 5 to facilitate automated use. The new format becomes mandatory by September 1, 2010 to allow RiverPro templates to be developed and delivered to all WFOs.
4. Adds updated examples and corrects minor grammatical mistakes.

signed

April 1, 2010

David B. Caldwell
Director, Office of Climate,
Water, and Weather Services

Date

WFO Statements, Summaries, Tables Products Specification

<u>Table of Contents:</u>	<u>Page</u>
1. Introduction	3
2. Public Information Statement (Product Category PNS)	3
2.1 Mission Connection	3
2.2 Issuance Guidelines	3
2.2.1 Creation Software	3
2.2.2 Issuance Criteria	3
2.2.3 Issuance Time	3
2.2.4 Valid Time	3
2.2.5 Product Expiration Time.....	3
2.2.6 Event Expiration Time.....	3
2.3 Technical Description.....	3
2.3.1 UGC Type.....	3
2.3.2 Mass News Disseminator Broadcast Instruction Line.....	3
2.3.3 MND Product Type Line	3
2.3.4 Content.....	3
2.3.5 Format.....	3
2.4 Updates, Amendments, and Corrections.....	7
3. Weather Summary (Product Category RWS)	8
3.1 Mission Connection.....	8
3.2 Issuance Guidelines	8
3.2.1 Creation Software	8
3.2.2 Issuance Criteria	8
3.2.3 Issuance Time	8
3.2.4 Valid Time	8
3.2.5 Product Expiration Time.....	8
3.2.6 Event Expiration Time.....	8
3.3 Technical Description.....	8
3.3.1 UGC Type.....	8
3.3.2 MND Broadcast Instruction Line	8
3.3.3 MND Product Type Line	8
3.3.4 Content.....	8
3.3.5 Format.....	9
3.4 Updates, Amendments, and Corrections.....	9
4. Weather Roundup (Product Category RWR)	9
4.1 Mission Connection	9
4.2 Issuance Guidelines	9
4.2.1 Creation Software	9
4.2.2 Issuance Criteria	9
4.2.3 Issuance Time	9
4.2.4 Valid Time	10

4.2.5	Product Expiration Time.....	10
4.2.6	Event Expiration Time.....	10
4.3	Technical Description.....	10
4.3.1	UGC Type.....	10
4.3.2	MND Broadcast Instruction Line.....	10
4.3.3	MND Product Type Line.....	10
4.3.4	Content.....	10
4.3.5	Format.....	10
4.4	Updates, Amendments, and Corrections.....	11
5.	Maximum/Minimum Temperature and Precipitation Table (Product Category RTP)	11
5.1	Mission Connection.....	11
5.2	Issuance Guidelines.....	11
5.2.1	Creation Software.....	11
5.2.2	Issuance Criteria.....	11
5.2.3	Issuance Time.....	11
5.2.4	Valid Time.....	12
5.2.5	Product Expiration Time.....	12
5.2.6	Event Expiration Time.....	12
5.3	Technical Description.....	12
5.3.1	UGC Type.....	12
5.3.2	MND Broadcast Instruction Line.....	12
5.3.3	MND Product Type Line.....	12
5.3.4	Content.....	12
5.3.5	Format.....	12
5.4	Updates, Amendments, and Corrections.....	16

Appendix

A.	WFO Statements, Summaries, Tables Product Examples.....	A-1
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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. 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.

Product Format

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

Description of Entry

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

PUBLIC INFORMATION STATEMENT

(MND)

-or-

APPROPRIATE HEADER INFORMATION

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

(Issuing Office)
 (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
 12345678901234567890123456789012345678901234567890123456789

Product Format

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

Description of Entry

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

PUBLIC INFORMATION STATEMENT

(MND)

-or-

APPROPRIATE HEADER INFORMATION

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

(Issuing Office)
 (Issuance time
 and date)

EXPLANATORY TEXT /HYDROMET TYPE A/

LOCATION ELEVATION	HYDROMET Data 1	WATER EQUIV	COMMENTS
--------------------	--------------------	----------------	----------

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

<u>Product Format</u>	<u>Description of Entry</u>
NOaai cccc ddhmm	(WMO Heading)
PNSxxx	(AWIPS ID)
stZ001-005>015-ddhmm-	(UGC:Z Product expiration time)
PUBLIC INFORMATION STATEMENT -or- APPROPRIATE HEADER INFORMATION	(MND)
NATIONAL WEATHER SERVICE city st	(Issuing Office)


```

NOaaii cccc ddhhmm                (WMO Heading)
PNSxxx                             (AWIPS ID)
stZ001-005>015-ddhhmm-           (UGC:Z 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          STORM TOTAL      TIME/DATE      COMMENTS
                SNOWFALL
                (INCHES)        OF
                                   MEASUREMENT

STATE 1
...Geopolitical Descriptor 1...

CITY ELEVATION      XXX.X      XXX XM MM/DD  OPTIONAL TEXT
...Geopolitical Descriptor 2...

CITY1 ELEVATION     XXX.X      XXX XM MM/DD  OPTIONAL TEXT
CITY2                XXX.X      XXX XM MM/DD  OPTIONAL TEXT

STATE 2
...Geopolitical Descriptor 1...

CITY                XXX.X      XXX XM MM/DD  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 22, Time/Date of measurement begins in column 33, and Comments begin in column 47.

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, in coordination with their local users and Regional Headquarters, will determine the regional extent of this product and which WFOs 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 at least twice daily based upon user requirements, generally mid-morning and 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.

Product Format

AWaai cccc ddhhmm

RWSxxx

stZ001-005>015-ddhhmm-

Description of Entry

(WMO Heading)

(AWIPS ID)

(UGC:Z & Product expiration time)

(MND)

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

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.

<u>Product Format</u>	<u>Description of Entry</u>
ASaa4i cccc ddhhmm	(WMO Heading)
RWRxxx	(AWIPS ID)
WEATHER ROUNDUP 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)
stZ001-005>015-ddhhmm-	(UGC: <u>Z</u> & Product expiration time)

[TEXT]

\$\$

(UGC Delimeter)

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. Note: the mandatory format specified in this section for the RTP product will be effective by September 1, 2010 to allow development and delivery of RiverPro templates to all WFOs. 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 mddd 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.

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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

<u>Table of Contents:</u>	<u>Page</u>
1. Introduction	A-2
2. Public Information Statement	A-2
3. Weather Summary	A-7
4. Weather Roundup	A-7
5. Maximum/Minimum Temperature and Precipitation Table	A-9

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

2. Public Information Statement.

A.

NOUS44 KBMX 292155
PNSBMX
ALZ011>050-300300-

PUBLIC INFORMATION STATEMENT
NATIONAL WEATHER SERVICE BIRMINGHAM AL
500 PM CDT SAT JUN 29 2002

...LIGHTNING SAFETY RULES...

IF YOU ARE OUTSIDE...GET INTO A LARGE...ENCLOSED BUILDING. SUBSTANTIALLY CONSTRUCTED BUILDINGS TEND TO BE MUCH SAFER THAN SMALL OR OPEN STRUCTURES. ALTERNATELY...SEEK SHELTER IN A SEDAN-TYPE / NON-CONVERTIBLE / VEHICLE.

IN GENERAL...FULLY ENCLOSED...SEDAN-TYPE / NON-CONVERTIBLE / VEHICLES WITH THE WINDOWS ROLLED UP PROVIDE GOOD SHELTER FROM LIGHTNING. AVOID CONTACT WITH METAL INSIDE THE VEHICLE.

INSIDE A HOME...AVOID USING THE TELEPHONE EXCEPT FOR EMERGENCIES. ALSO...STAY AWAY FROM WINDOWS.

AVOID BEING IN OR NEAR HIGH PLACES AND OPEN FIELDS...ISOLATED TREES... UNPROTECTED GAZEBOS...RAIN OR PICNIC SHELTERS...BASEBALL DUGOUTS... TOWERS...FLAGPOLES...LIGHT POLES...BLEACHERS OF ANY TYPE...METAL FENCES...CONVERTIBLE VEHICLES...GOLF CARTS...MOTORCYCLES...SCOOTERS...RIDING LAWN MOWERS...OR WATER /OCEAN...LAKE...SWIMMING POOLS...RIVERS...PONDS ...ETC./.

MOVE AWAY FROM OPEN WATER OR FROM OPEN TRACTORS OR OTHER FARM EQUIPMENT.

STAY AWAY FROM WIRE FENCES...CLOTHESLINES...METAL PIPES...RAILS OR OTHER METALLIC PATHS WHICH COULD CARRY LIGHTNING FROM SOME DISTANCE AWAY.

IN A FOREST SEEK SHELTER IN A LOW AREA UNDER A THICK GROWTH OF SMALL TREES. IN OPEN AREAS...GO TO A LOW PLACE SUCH AS A RAVINE OR VALLEY. BE ALERT FOR FLASH FLOODS.

IF YOU FEEL YOUR HAIR STAND ON END...LIGHTNING MAY BE ABOUT TO STRIKE. STAY ON THE BALLS OF YOUR FEET BUT CROUCH DOWN AND MAKE AS LOW A TARGET OF YOURSELF AS POSSIBLE. DO NOT LIE FLAT ON THE GROUND.

REMEMBER...THERE IS NO TRUTH TO THE OLD MYTH THAT LIGHTNING NEVER STRIKES THE SAME PLACE TWICE.

PRACTICE THE 30/30 RULE. THE 30/30 RULE FOR LIGHTNING SAFETY COULD SAVE YOUR LIFE.

THE FIRST 30 MEANS THAT YOU NEED TO TAKE COVER IF YOU HEAR THUNDER WITHIN 30 SECONDS OF THE LIGHTNING FLASH. THEN WAIT AT LEAST 30 MINUTES AFTER THE LAST CLAP OF THUNDER IN ORDER TO RESUME NORMAL ACTIVITY - THE ALL CLEAR SIGNAL.

LIGHTNING RESEARCH HAS CONFIRMED THAT CONSECUTIVE LIGHTNING STRIKES CAN OCCUR AS MUCH AS SIX MILES APART. PEOPLE OFTEN DO NOT PERCEIVE LIGHTNING TO BE CLOSE IF IT IS TWO MILES OR MORE AWAY...BUT THE RISK OF THE NEXT STRIKE BEING AT YOUR LOCATION MAY ACTUALLY BE VERY HIGH. MANY LIGHTNING CASUALTIES OCCUR IN THE BEGINNING AS A THUNDERSTORM APPROACHED...BECAUSE PEOPLE IGNORE THESE PRECURSORS. WHEN THUNDERSTORMS ARE IN THE AREA BUT NOT OVERHEAD...THE LIGHTNING THREAT CAN EXIST EVEN IF IT IS SUNNY AT YOUR LOCATION.

\$\$

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		

\$\$

C.

NOUS45 KSLC 070924
 PNSSLC
 UTZ001>006-071224-

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

...FINAL 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 FINAL SNOWFALL REPORTS FOR LOCATIONS ACROSS NORTHERN UTAH. SOME REPORTS WERE RECEIVED BEFORE THE END OF THE EVENT.

LOCATION	SNOWFALL IN/S/	COMMENTS
----------	-------------------	----------

...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	
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	
GRANTSVILLE	1	

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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.

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

\$\$

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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NNNN

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](http://www.weather.gov/os/notif.htm)

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NNN

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.

\$\$

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

NWSI 10-501 APRIL 15, 2010

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	

\$\$

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	

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	

PHZ110>124-180-232200-
BUOY REPORTS

STATION/POSITION	TIME	TEMP		WIND			PRES	WAVE		SWELL	
		AIR	SEA	DIR	SP	G		HT	PER	HT	DIR
	/UTC/	/F/		/DEG	/KT	/KT/	/MB/	/FT	/S/	/FT	/D/
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	/
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
```

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.

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.

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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      MAX      MIN      24 HR      24 HR      SNOW
:         :                   : TIME    TEMP    TEMP    PCPN      SNFL      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
KLG11: 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
.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.

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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 / MAX / MIN / 24 HOUR / SNOW
: 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
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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

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.

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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

 :
 : LOCATION MAX MIN PCPN SNOW SNOW
 : TEMP TEMP 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 / / /
 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 :

NWSI 10-501 APRIL 15, 2010

: VALUES REPRESENT THE 24 HOURS ENDING AT 7 AM CENTRAL TIME
 :
 : DATA PROVIDED BY NATIONAL WEATHER SERVICE COOPERATIVE OBSERVERS.
 :

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:          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: WILLIAMSBERG : DH0700/ 26 / -8 / 0.29 / 2.7 / 9

: SOUTHEAST IOWA...

DNNI4: DONNELSON : 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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