

NATIONAL WEATHER SERVICE INSTRUCTION 10-502

NOVEMBER 5, 2010

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

***NATIONAL STATEMENTS, SUMMARIES, TABLES PRODUCTS
SPECIFICATION***

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

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Certified by: W/OS22 (E. Jacks)

Type of Issuance: Routine

SUMMARY OF REVISIONS: This instruction supersedes NWSI 10-502, “National Statements, Summaries, Tables Products Specification”, dated July 1, 2004. The following revisions were made to this instruction:

- 1) The Quebec Canada Provincial Weather Roundup (formerly Section 6) is no longer produced and was removed.
- 2) All product examples in this directive were updated.

signed

10/22/10

David B. Caldwell

Date

Director, Office of Climate,
Water, and Weather Services

National Statements, Summaries, Tables Products Specification

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1. **Introduction.** This procedural instruction describes various tables and summaries of national and international interest. The products are generated by the NWS Telecommunication Operations Center, the National Centers for Environmental Prediction, and selected NWS Weather Forecast Offices.

2. **Hourly Temperature/Weather Summaries, United States {product categories TPT(ERN,CRN,WRN)}**

2.1 **Mission Connection.** These products contain the latest weather conditions and temperatures for selected United States cities. Separate hourly collectives are issued for cities in the eastern, central, and western United States. These products are for general public use domestically and internationally.

2.2 **Issuance Guidelines.**

2.2.1 **Creation Software.** TPT(ERN,CRN, WRN) collectives are automatically compiled by the National Weather Service Telecommunications Gateway (NWSTG) software.

2.2.2 **Issuance Criteria.** These are routine, scheduled products.

2.2.3 **Issuance Time.** TPT (ERN, CRN, WRN) collectives are generated hourly and transmitted by approximately 30 minutes past the hour.

2.2.4 **Valid Time.** These products are valid upon transmission.

2.2.5 **Product Expiration Time.** Products expire with the next issuance.

2.3 **Technical Description.** The TPT (ERN, CRN, WRN) collectives will follow the format and content described in this section.

2.3.1 **MND Broadcast Line.** Not applicable.

2.3.2 **MND Header.** The MND Headers for TPT(ERN, CRN, WRN) are: “HOURLY TEMPERATURE/WEATHER FOR EASTERN UNITED STATES,” “HOURLY TEMPERATURE/WEATHER FOR CENTRAL UNITED STATES,” and “HOURLY TEMPERATURE/WEATHER FOR WESTERN UNITED STATES,” respectively.

2.3.3 **Content.** TPT (ERN, CRN, WRN) provide general weather conditions and temperatures in degrees Fahrenheit (°F) and degrees Celsius (°C), every hour for selected cities in United States. Specific cities for the eastern United States collective (TPTERN) are listed below in the product example. Cities in the other two collectives are listed below the example.

2.3.4 Format . Example of TPTERN Message (format identical for other collectives):

ABUS24 KWBC 071630
TPTERN

HOURLY TEMPERATURE/WEATHER FOR EASTERN UNITED STATES
NWS TELECOMMUNICATION OPERATIONS CENTER SILVER SPRING MD
1100 AM EST THU JAN 7 2010

CITY	F	C	WEATHER
ALBANY NY	30	-1	WINDY
ATLANTA	35	2	CLDY
BOSTON	33	1	WINDY
BUFFALO	26	-3	-FZDZ
CARIBOU	28	-2	WINDY
CHARLESTON SC	42	6	FAIR
CHATTANOOGA	30	-1	-SN
CINCINNATI	21	-6	-SN
CLEVELAND	23	-5	-SN
DETROIT	24	-4	-SN
HATTERAS	33	1	FAIR
JACKSONVILLE	44	7	FAIR
KEY WEST	53	12	FAIR
KNOXVILLE	26	-3	CLDY
MACON	41	5	FAIR
MIAMI	51	11	CLDY
NEW YORK	35	2	PCLDY
PHILADELPHIA	35	2	WINDY
PITTSBURGH	21	-6	-SN
PORTLAND ME	32	0	FAIR
RICHMOND	35	2	PCLDY
TAMPA	50	10	FAIR
WASHINGTON DC	35	2	CLDY

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TPTCRN (ABUS25 KWBC)-
Birmingham
Bismarck
Chicago
Denver
Des Moines
Fort Worth
Galveston

Indianapolis
Kansas City
Little Rock
Louisville
Memphis
Minneapolis/St. Paul
Nashville
New Orleans

North Platte
Oklahoma City
Omaha
Rapid City
St. Louis
San Antonio
Sault Ste. Marie

TPTWRN (ABUS23 KWBC)-
Albuquerque
Anchorage
Boise
Casper
Fairbanks
Great Falls

Honolulu
Las Vegas
Los Angeles
Medford
Pendleton
Phoenix
Portland

Reno
Salt Lake City
San Diego
San Francisco
Seattle
Spokane

2.4 Updates, Amendments, and Corrections . These products are not updated or amended. Corrections are made as necessary.

3. Canadian Temperature and Precipitation Table (product category TPTCAN).

3.1 Mission Connection. This product contains highest and lowest temperatures, precipitation amounts, and the current weather for selected Canadian cities. It provides general weather conditions two times per day for general public use domestically and internationally.

3.2 Issuance Guidelines.

3.2.1 Creation Software. TPTCAN is automatically compiled and transmitted by the NWS Telecommunications Gateway (NWSTG).

3.2.2 Issuance Criteria. This is a routine, scheduled product.

3.2.3 Issuance Time. TPTCAN is transmitted twice daily at about 0200 and 1400 UTC.

3.2.4 Valid Time. The product is valid upon transmission.

3.2.5 Product Expiration Time. The product expires with the next issuance.

3.3 Technical Description. The TPTCAN will follow the format and content described in this section.

3.3.1 MND Broadcast Line. Not applicable.

3.3.2 MND Header. The MND Header for TPTCAN is “CANADIAN TEMPERATURE AND PRECIPITATION TABLE”

3.3.3 Content. TPTCAN provides general weather conditions at either 0000 UTC or 1200 UTC, high and low temperatures in degrees Fahrenheit (°F) and degrees Celsius (°C), and observed precipitation (in millimeters) for the last 24 hours for selected cities in Canada. The morning product contains the highest temperature for the previous day and the lowest temperature in the last 12 hours. The evening product contains the highest temperature for the last 12 hours and the lowest temperature during the last 18 hours. Specific cities are listed below in the product example.

3.3.4 Format. Example of TPTCAN Message (Morning Issuance):

ABCN01 KWBC 071315
TPTCAN

CANADIAN TEMPERATURE AND PRECIPITATION TABLE
NWS TELECOMMUNICATION OPERATIONS CENTER SILVER SPRING MD
8AM EST THU JAN 7 2010

HIGHEST TEMPERATURE WED.
LOWEST TEMPERATURE LAST 12 HOURS.
LETTER B INDICATES A BELOW ZERO TEMPERATURE.
PRECIPITATION FOR 24 HOURS ENDING AT 7AM EST.

TEMPERATURES IN FAHRENHEIT AND CELSIUS.

CITY	WEA	MAX		MIN		RAIN MM
		F	C	F	C	
CALGARY	CLEAR	10	B12	B15	B26	MISG
CHARLOTTETOWN	CLDY	30	B01	30	B01	MISG
EDMONTON	SNOW	B02	B19	B15	B26	MISG
FREDERICTON	SNOW	34	01	28	B02	MISG
HALIFAX	MM	MM	MM	MM	MM	MISG
MONTREAL	CLDY	23	B05	19	B07	.8
OTTAWA	CLDY	21	B06	14	B10	MISG
REGINA	CLEAR	07	B14	B35	B37	MISG
ST. JOHNS	CLDY	41	05	28	B02	T
TORONTO	SNOW	28	B02	23	B05	MISG
VANCOUVER	FAIR	45	07	28	B02	T
WINNIPEG	CLEAR	07	B14	B15	B26	1.0

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3.4 Updates, Amendments, and Corrections. This product is not updated or amended. Corrections are made as necessary.

4. Mexican Weather Roundup (product category RWRMX, WMO Header ASMX46 KSGX).

4.1 Mission Connection. This product provides routine, standardized hourly observations for several locations in Mexico. It is generated by the NWS Weather Forecast Office in San Diego, California, to serve the general public both domestically and internationally.

4.2 Issuance Guidelines.

4.2.1 Creation Software. RWRMX is automatically created by the Automated Weather Information Processing System Hourly Weather Roundup program which decodes the Mexican Meteorological Terminal Air Report observations.

4.2.2 Issuance Criteria. This is a routine, scheduled product.

4.2.3 Issuance Time. RWRMX is transmitted approximately 10-15 minutes after the hour.

4.2.4 Valid Time. This product is valid upon transmission.

4.2.5 Product Expiration Time. The product expires with the next issuance.

4.3 Technical Description. RWRMX will follow the format and content described in this section.

4.3.1 MND Broadcast Line. Not applicable.

4.3.2 MND Header. The MND Header for RWRMX is: "MEXICAN WEATHER ROUNDUP."

4.3.3 Content. The Mexican Weather Roundup is broken out by regions within Mexico (e.g., Baja California, Western Mexico, Yucatan Peninsula). RWRMX is set up to only report cities which are received. The product contains the following elements for each location: general sky/weather conditions; air temperature (°F); dew point temperature (°F); relative humidity; wind direction (N, NE, E, SE, S, SW, W, or NW) and speed in miles per hour; barometric pressure (inches of mercury) and pressure tendency, as applicable; and general remarks (e.g., fog, haze, horizontal visibility, wind chill/heat indices, etc.). As long as an observation is available the following cities may be contained in RWRMX:

Acapulco	Hermosillo	Oaxaca	Toluca
Aguascalientes	Juarez	Obregon	Torreon
B. De Huatulco	La Paz	P. Escondido	Tux. Gutierrez
C. Del Carmen	Leon	Piedras Negras	Uruapan
Cabo	Loreto	Poza Rica	Veracruz
Campeche	Los Cabos	Pto. Escondido	Victoria
Cancun	Los Mochis	Pto. Vallarta	Villahermosa
Chetumal	Manzanillo	Puebla	Zacatecas
Chihuahua	Matamoros	Queretaro	Zihuatanejo
Ciud. Victoria	Mazatlan	Reynosa	
Ciudad Juarez	Merida	S. J. Del Cabo	
Colima	Mexicali	S. Luis Potosi	
Cozumel	Mexico City	Saltillo	
Cuernavaca	Morelia	San Lucas	
Culiacan	Minatitlan	Santa Rosalia	
Del Baji	Monclova	Tampico	
Durango	Monterrey	Tapachula	
Guadalajara	Morelia	Tepic	
Guaymas	Nuevo Laredo	Tijuana	

4.3.4 Format. Example of RWRMX Message:

ASMX46 KSGX 071610
RWRMX

MEXICAN WEATHER ROUNDUP
NATIONAL WEATHER SERVICE SAN DIEGO CA
800 AM PST THU JAN 07 2010

BAJA CALIFORNIA

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
ENSENADA NW	N/A	52	32	45	CALM	29.92F	
LA PAZ	PTSUNNY	54	43	66	S5	30.03R	
LORETO	MOSUNNY	61	46	59	SW6	30.00S	
MEXICALI	MOSUNNY	48	39	71	CALM	29.97S	
S.J. DEL CABO	PTSUNNY	57	50	77	NW3	30.02R	
S PEDRO MARTIR	N/A	40	4	22	CALM	N/A	
TIJUANA	MOSUNNY	54	39	58	SE6	30.04S	

NORTHWESTERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
CHIHUAHUA	MOSUNNY	45	23	42	SW5	30.18R	
CULIACAN	CLOUDY	64	59	82	CALM	29.99R	
GUAYMAS	SUNNY	55	45	67	CALM	30.01R	
HERMOSILLO	MOSUNNY	50	27	40	CALM	30.03R	
JUAREZ	MOSUNNY	30	30	100	E21	30.20S	WCI 17
LOS MOCHIS	PTSUNNY	57	54	88	CALM	29.99S	
OBREGON	SUNNY	61	39	44	CALM	29.98R	

NORTHEASTERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
MATAMOROS	PTSUNNY	66	61	82	SW9	30.10R	
MONCLOVA	CLOUDY	45	43	93	NE22	30.23R	HAZE
MONTERREY	PTSUNNY	54	48	82	NW12G25	30.16R	
NUEVO LAREDO	CLOUDY	52	48	87	N14G25	30.26R	
PIEDRAS NEGRAS	PTSUNNY	43	34	70	NW35G40	30.42R	
REYNOSA	PTSUNNY	59	55	88	NW9	30.14R	
SALTILLO	MOSUNNY	59	36	41	CALM	30.19R	
TORREON	PTSUNNY	54	34	47	SE6	30.17R	
VICTORIA	PTSUNNY	59	54	82	N5	30.12R	

WESTERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
AGUASCALIENTES	CLOUDY	48	41	76	N7	30.21R	FOG
COLIMA	CLOUDY	72	55	56	CALM	30.06R	
DURANGO	PTSUNNY	45	32	61	CALM	30.25R	
GUADALAJARA	CLOUDY	54	48	82	CALM	30.21R	
MANZANILLO	PTSUNNY	77	68	73	N6	29.93R	
MAZATLAN	CLOUDY	66	61	82	N8	29.96R	
PTO. VALLARTA	CLOUDY	70	61	73	CALM	29.98R	

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TEPIC	CLOUDY	55	52	88	CALM	30.16R
URUAPAN	CLOUDY	59	52	77	CALM	30.17R
ZACATECAS	PTSUNNY	45	34	65	CALM	30.28R

CENTRAL MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
LEON	CLOUDY	54	50	87	CALM	30.26R	
MORELIA	PTSUNNY	57	45	62	CALM	30.25R	
S. LUIS POTOSI	PTSUNNY	50	41	71	CALM	30.24R	

SOUTHERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
MINATITLAN	PTSUNNY	70	64	83	NW12	30.06R	
TAPACHULA	PTSUNNY	82	70	65	CALM	29.94S	
TUX. GUTIERREZ	PTSUNNY	63	57	82	CALM	30.09R	
VILLAHERMOSA	PTSUNNY	70	61	73	E8	30.06S	

YUCATAN PENINSULA

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
CAMPECHE	PTSUNNY	66	54	63	E17	30.09R	
CANCUN	PTSUNNY	75	55	50	E12	30.14S	
CHETUMAL	CLOUDY	72	66	83	CALM	30.05R	
C. DEL CARMEN	MOSUNNY	70	59	68	E12	30.08R	
COZUMEL	PTSUNNY	70	59	68	E12	30.14R	
MERIDA	PTSUNNY	73	57	56	E12	30.12S	

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4.4 Updates, Amendments, and Corrections. This product is not updated or amended. Corrections are made as necessary.

5. Latin America and Caribbean Hourly Weather Roundup (product category WRMX, WMO Header ASCA44 KEWX).

5.1 Mission Connection. This product provides routine, standardized hourly observations for several locations in Mexico, Central America, and the Caribbean. It is generated by the NWS Weather Forecast Office in Austin/San Antonio, Texas, to serve the general public both domestically and internationally.

5.2 Issuance Guidelines.

5.2.1 Creation Software. The Latin America and Caribbean Hourly Weather Roundup is automatically created by the Automated Weather Information Processing System Hourly Weather Roundup program which decodes the Mexican, Central American, and Caribbean Meteorological Terminal Air Report observations.

5.2.2 Issuance Criteria. This is a routine, scheduled product.

5.2.3 Issuance Time. The Latin America and Caribbean Hourly Weather Roundup is transmitted approximately 10-15 minutes after the hour.

5.2.4 Valid Time. This product is valid upon transmission.

5.2.5 Product Expiration Time. The product expires with the next issuance.

5.3 Technical Description. The Latin America and Caribbean Hourly Weather Roundup will follow the format and content described in this section.

5.3.1 MND Broadcast Line. Not applicable.

5.3.2 MND Header. The MND Header for this product is: "LATIN AMERICA AND CARIBBEAN HOURLY WEATHER ROUNDUP."

5.3.3 Content. In addition to selected locations in Central America and the Caribbean, the Latin America and Caribbean Hourly Weather Roundup is broken out by regions within Mexico (e.g., Baja California, Western Mexico, Yucatan Peninsula). The product is set up to only report locations which are received. The roundup contains the following elements for each location: general sky/weather conditions; air temperature (°F); dew point temperature (°F); relative humidity; wind direction (N, NE, E, SE, S, SW, W, or NW) and speed in miles per hour; barometric pressure (inches of mercury) and pressure tendency, as applicable; and general remarks (e.g., fog, haze, horizontal visibility, wind chill/heat indices, etc.). As long as an observation is available the following locations may be contained in the Latin America and Caribbean Hourly Weather Roundup:

Central America:

Belize City, Belize

San Jose, Costa Rica

San Salvador, El Salvador

Guatemala City, Guatemala

Tegucigalpa, Honduras

Managua, Nicaragua

Panama City, Panama

Caribbean:

Aruba

Barbados

Grenada

Nassau, Bahamas

Port-Au-Prince, Haiti

San Juan, Puerto Rico

Santo Domingo, Dominican Republic

St. Croix, Virgin Islands (U.S.)

St. Kitts

St. Lucia

St. Maarten

St. Thomas, Virgin Islands (U.S.)

Mexico:

Acapulco	Loreto	Puebla
Aguascalientes	Los Cabos	Queretaro
C. Del Carmen	Los Mochis	Reynosa
Cabo	Manzanillo	S. Luis Potosi
Campeche	Matamoros	Saltillo
Cancun	Mazatlan	San Lucas
Chetumal	Merida	Santa Rosalia
Chihuahua	Mexicali	Tampico
Ciud. Victoria	Mexico City	Tapachula
Colima	Morelia	Tepic
Cozumel	Minatitlan	Tijuana
Cuernavaca	Monclova	Toluca
Culiacan	Monterrey	Torreon
Del Bajio	Morelia	Tux. Gutierrez
Durango	Nuevo Laredo	Uruapan
Guadalajara	Oaxaca	Veracruz
Guaymas	Obregon	Victoria
Hermosillo	P. Escondido	Villahermosa
Juarez	Piedras Negras	Zacatecas
La Paz	Poza Rica	Zihuatanejo
Leon	P. Vallarta	

5.3.4 Format. Example of Latin America and Caribbean Hourly Weather Roundup:

ASCA44 KEWX 071620
RWRMX

LATIN AMERICA AND CARIBBEAN REGIONAL WEATHER ROUNDUP
NATIONAL WEATHER SERVICE AUSTIN/SAN ANTONIO TX
1000 AM CST THU JAN 07 2010

NOTE: "FAIR" INDICATED FEW OR NO CLOUDS BELOW 12,000 FEET WITH NO SIGNIFICANT WEATHER AND/OR OBSTRUCTIONS TO VISIBILITY.

BAJA CALIFORNIA

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
LORETO	MOSUNNY	61	46	59	SW6	30.00S	
LA PAZ	PTSUNNY	54	43	66	S5	30.03R	
MEXICALI	MOSUNNY	48	39	71	CALM	29.97S	
S.J. DEL CABO	PTSUNNY	57	50	77	NW3	30.02R	
TIJUANA	MOSUNNY	54	39	58	SE6	30.04S	

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NORTHWESTERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
CULIACAN	CLOUDY	64	59	82	CALM	29.99R	
DURANGO	PTSUNNY	45	32	61	CALM	30.25R	
GUAYMAS	SUNNY	55	45	67	CALM	30.01R	
HERMOSILLO	MOSUNNY	50	27	40	CALM	30.03R	
CD. JUAREZ	MOSUNNY	30	14	51	E21	30.20S	WCI 17
LOS MOCHIS	PTSUNNY	57	54	88	CALM	29.99S	
OBREGON	SUNNY	61	39	44	CALM	29.98R	

NORTHEASTERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
CHIHUAHUA	MOSUNNY	45	23	42	SW5	30.18R	WCI 42
MATAMOROS	PTSUNNY	66	61	82	SW9	30.10R	
MONCLOVA	CLOUDY	45	43	93	NE22	30.23R	HAZE WCI 36
MONTERREY	PTSUNNY	54	48	82	NW12G25	30.16R	
NUEVO LAREDO	CLOUDY	52	48	87	N14G25	30.26R	
PIEDRAS NEGRAS	PTSUNNY	43	34	70	NW35G40	30.42R	WCI 32
REYNOSA	PTSUNNY	59	55	88	NW9	30.14R	
SALTILLO	MOSUNNY	59	36	41	CALM	30.19R	
TORREON	PTSUNNY	54	34	47	SE6	30.17R	
CD. VICTORIA	PTSUNNY	59	54	82	N5	30.12R	

WESTERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
AGUASCALIENTES	CLOUDY	48	41	76	N7	30.21R	FOG WCI 45
COLIMA	CLOUDY	72	55	56	CALM	30.06R	
DEL BAJIO	CLOUDY	54	50	87	CALM	30.26R	
GUADALAJARA	CLOUDY	54	48	82	CALM	30.21R	
MANZANILLO	PTSUNNY	77	68	73	N6	29.93R	
MAZATLAN	CLOUDY	66	61	82	N8	29.96R	
P. VALLARTA	CLOUDY	70	61	73	CALM	29.98R	
URUAPAN	CLOUDY	59	52	77	CALM	30.17R	
ZACATECAS	PTSUNNY	45	34	65	CALM	30.28R	

CENTRAL MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
MORELIA	PTSUNNY	57	45	62	CALM	30.25R	
S. LUIS POTOSI	PTSUNNY	50	41	71	CALM	30.24R	
TOLUCA	PTSUNNY	52	39	62	S3	30.36R	

SOUTHERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
B. DE HUATULCO	PTSUNNY	79	68	69	CALM	29.99R	
ZIHUATANEJO	CLOUDY	77	66	69	CALM	29.90R	

YUCATAN PENINSULA

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
CAMPECHE	PTSUNNY	66	54	63	E17	30.09R	
CANCUN	PTSUNNY	75	55	50	E12	30.14S	

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CHETUMAL	CLOUDY	72	66	83	CALM	30.05R
CD. DEL CARMEN	MOSUNNY	70	59	68	E12	30.08R
COZUMEL	PTSUNNY	70	59	68	E12	30.14R
MERIDA	PTSUNNY	73	57	56	E12	30.12S
MINATITLAN	PTSUNNY	70	64	83	NW12	30.06R
TAPACHULA	PTSUNNY	82	70	65	CALM	29.94S
TUX. GUTIERREZ	PTSUNNY	63	57	82	CALM	30.09R
VILLAHERMOSA	PTSUNNY	70	61	73	E8	30.06S

CENTRAL AMERICA

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
BELIZE CITY	HVY RAIN	66	66	100	SW5	30.08S	VSB 5/8
GUATEMALA CITY	PTSUNNY	64	52	63	N14	30.30S	
MANAGUA	MOSUNNY	82	61	47	E23	29.92S	
SAN JOSE	N/A	79	59	50	E12	30.02S	
SAN SALVADOR	N/A	84	57	39	N5	29.92S	
TEGUCIGALPA	PTSUNNY	68	57	68	N13	30.15	

CARIBBEAN

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
ARUBA	MOSUNNY	90	73	58	E22	29.92S	HX 98
ANTIGUA	MOSUNNY	86	68	54	SE9	30.00S	
BARBADOS	N/A	86	68	54	E20	29.97S	
CURACAO	MOSUNNY	86	73	66	E15	29.92S	HX 93
GRAND CAYMAN	PTSUNNY	73	61	64	E15	30.12S	
GRENADA	MOSUNNY	84	72	65	SE23	29.97S	
MONTEGO BAY	MOSUNNY	81	66	61	E15	30.03	
NASSAU	PTSUNNY	66	50	55	NE6	30.23R	
PORT-AU-PRINCE	MOSUNNY	82	64	54	E14	30.03	
SAN JUAN	RAIN	75	73	94	NE5	30.06F	FOG
ST. CROIX	MOSUNNY	82	72	69	S7	30.03F	
ST. LUCIA	PTSUNNY	82	72	69	SE16	30.00S	
ST. THOMAS	MOSUNNY	79	72	78	NE8	30.03F	
TRINIDAD	MOSUNNY	84	66	54	E16	29.97F	

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5.4 Updates, Amendments, and Corrections. This product is not updated or amended. Corrections are made as necessary.

6. Pan American Temperature and Precipitation Table (product category TPTPAN).

6.1 Mission Connection. This is a collection of temperature and precipitation data for selected cities in Mexico, Central and South America, and the Caribbean area. It provides general weather conditions two times per day for general public use domestically and internationally.

6.2 Issuance Guidelines.

6.2.1 Creation Software. TPTPAN is automatically generated in N-AWIPS and quality-

controlled by a Tropical Prediction Center (TPC) meteorologist before transmission.

6.2.2 Issuance Criteria. This is a routine, scheduled product.

6.2.3 Issuance Time. TPTPAN is prepared by the TPC in Miami, Florida, twice daily at about 0200 UTC and 1400 UTC.

6.2.4 Valid Time. The product is valid upon transmission.

6.2.5 Product Expiration Time. The product expires with the next issuance.

6.3 Technical Description. The TPTPAN will follow the format and content described in this section.

6.3.1 MND Broadcast Line. Not applicable.

6.3.2 MND Header. The MND Header for TPTPAN is “PAN AMERICAN TEMPERATURE AND PRECIPITATION TABLES.”

6.3.3 Content. TPTPAN provides general weather conditions, high and low temperatures in degrees Fahrenheit (°F) and degrees Celsius (°C), and observed precipitation in either 6, 12, or 24 hours, as indicated, for selected cities in Mexico, Central and South America, and the Caribbean area. The morning product contains the low temperature for the current day and the high temperature from the previous day. The evening product contains the low and high temperature for the current day. Specific cities are listed below in the product example.

6.3.4 Format. Example of TPTPAN Message (Morning Issuance):

```
SXCA01 KNHC 071349
TPTPAN
PAN AMERICAN TEMPERATURE AND PRECIPITATION TABLES
NWS TPC/NATIONAL HURRICANE CENTER MIAMI FL
700 AM EST THU JAN 07 2010
WEATHER AT 700 AM EST
LOWEST TEMPERATURE THURSDAY...HIGHEST TEMPERATURES PREVIOUS DAY
TEMPERATURES IN BOTH FAHRENHEIT AND CELSIUS
PRECIPITATION FOR THE PAST 6, 12 OR 24 HOURS AS INDICATED
```

CITY	WEATHER	HIGH F/C	LOW F/C	PCPN IN	TIME HR
ACAPULCO	PTCLDY	91 33	75 24		
BARBADOS	PTCLDY	87 31	75 24		
BERMUDA	FAIR	61 16	55 13	0.03	24
BOGOTA	PTCLDY	72 22	43 6		
CURACAO	FAIR	89 31	79 26		
FREEPORT	PTCLDY	MM MM	MM MM		

GUADALAJARA	PTCLDY	73	23	49	9		
GUADELOUPE	FAIR	85	30	69	21	0.10	24
HAVANA	PTCLDY	67	20	61	16		
KINGSTON	FAIR	84	29	72	22		
MAZATLAN	FAIR	82	28	59	15		
MERIDA	PTCLDY	73	23	63	17		
MEXICO CITY	PTCLDY	66	19	48	9		
MONTEGO BAY	PTCLDY	76	24	73	23	TRACE	24
MONTERREY	FAIR	44	6	45	7		
NASSAU	PTCLDY	66	19	58	14		
SAN JUAN PR	RAIN	88	31	74	23	0.01	24
ST THOMAS	RAIN	83	28	73	23		
TEGUCIGALPA	FAIR	71	22	59	15		
TRINIDAD	FAIR	90	32	73	23	TRACE	24
VERACRUZ	FAIR	70	21	63	17		

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6.4 Updates, Amendments, and Corrections. This product is not updated or amended. Corrections are made as necessary.

7. Latin American Temperature and Weather Table (product category TPTLAT).

7.1 Mission Connection. This is a collection of observed weather conditions and temperatures at 0000 UTC and 1200 UTC for selected cities in Mexico, Central and South America, and the Caribbean. This product is for general public use domestically and internationally.

7.2 Issuance Guidelines.

7.2.1 Creation Software. TPTLAT is automatically compiled by the National Weather Service Telecommunications Gateway (NWSTG) software.

7.2.2 Issuance Criteria. This is a routine, scheduled product.

7.2.3 Issuance Time. TPTLAT is transmitted approximately two hours after observation time.

7.2.4 Valid Time. This product is valid upon transmission.

7.2.5 Product Expiration Time. Product expires with the next issuance.

7.3 Technical Description. TPTLAT will follow the format and content described in this section.

7.3.1 MND Broadcast Line. Not applicable.

7.3.2 MND Header. The MND Header for TPTLAT is: "LATIN AMERICAN TEMP AND

WEATHER TABLE.”

7.3.3 Content. TPTLAT provides general weather conditions and temperatures in degrees Fahrenheit (°F) and degrees Celsius (°C) twice daily for selected cities in Latin America. Specific cities for the product are listed below in the product example.

7.3.4 Format. Example of TPTLAT Message:

ABXX07 KWBC 071200
TPTLAT

LATIN AMERICAN TEMP AND WEATHER TABLE
NWS TELECOMMUNICATION OPERATIONS CENTER SILVER SPRING MD
1200 UTC THU JAN 7 2010

CITY	PRESENT WEATHER	LOCAL TIME	TEMPS	
			F	C
ANTIGUA	FAIR	8AM	77	25
ASUNCION	PTCLDY	8AM	81	27
BELIZE CITY	RAIN	6AM	66	19
BOGOTA	CLDY	7AM	48	9
BRIDGETOWN	RAIN	8AM	77	25
BUENOS AIRES	FAIR	9AM	68	20
CARACAS	PTCLDY	8AM	75	24
CAYENNE	FAIR	9AM	82	28
GEORGETOWN		8AM	NO DATA	
GUATEMALA CITY	MISTY	6AM	MM	MM
HAVANA	CLDY	7AM	55	13
KINGSTON	FAIR	7AM	73	23
LA PAZ	CLDY	8AM	46	8
LIMA	CLDY	7AM	70	21
MANAGUA	FAIR	6AM	75	24
MEXICO CITY	CLDY	6AM	48	9
MONTEVIDEO	FAIR	9AM	68	20
PANAMA CITY	HAZE	6AM	77	25
PARAMARIBO	FAIR	8AM	77	25
PORT AU PRINCE	FAIR	8AM	MM	MM
PORT OF SPAIN	FAIR	8AM	79	26
QUITO	FOG	7AM	48	9
RIO DE JANEIRO	FAIR	9AM	88	31
SAINT THOMAS	RAIN	8AM	75	24
SAN JOSE	PTCLDY	6AM	70	21
SAN JUAN	RAIN	8AM	75	24
SAN SALVADOR	FAIR	6AM	63	17
SANTIAGO	FAIR	8AM	66	19
SANTO DOMINGO	FAIR	7AM	68	20
SAO PAULO	FAIR	9AM	73	23
TEGUCIGALPA	PTCLDY	6AM	59	15

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7.4 Updates, Amendments, and Corrections. This product is not updated or amended.

Corrections are made as necessary.

8. Hourly Temperature/Weather for North American Cities (product category TPTNAM).

8.1 Mission Connection. This product contains the current temperature and abbreviations/symbols for the weather for selected North American cities. The product is intended for general public use domestically and internationally.

8.2 Issuance Guidelines.

8.2.1 Creation Software. TPTNAM is automatically compiled by the NWS Telecommunications Gateway.

8.2.2 Issuance Criteria. This is a routine, scheduled product.

8.2.3 Issuance Time. TPTNAM is transmitted approximately 30 minutes after observation time.

8.2.4 Valid Time. This product is valid upon transmission.

8.2.5 Product Expiration Time. Product expires with the next issuance.

8.3 Technical Description. TPTNAM will follow the format and content described in this section.

8.3.1 MND Broadcast Line. Not applicable.

8.3.2 MND Header. The MND Header for TPTNAM is:“HOURLY TEMPERATURE/WEATHER FOR NORTH AMERICAN CITIES.”

8.3.3 Content. TPTNAM provides general weather conditions and temperatures in degrees Fahrenheit (°F) and degrees Celsius (°C) hourly for selected foreign cities. Specific cities for the product are listed below in the product example.

8.3.4 Format. Example of TPTNAM Message:

ABNA26 KWBC 071630
TPTNAM

HOURLY TEMPERATURE/WEATHER FOR NORTH AMERICAN CITIES
NWS TELECOMMUNICATION OPERATIONS CENTER SILVER SPRING MD
1100 AM EST THU JAN 7 2010

CITY	F	C	WEATHER
ACAPULCO	NO DATA		
BERMUDA	60	16	VCSH
CALGARY	-9	-23	FAIR
FREEPORT	59	15	CLDY
HAVANA	68	20	CLDY
KINGSTON	78	26	FAIR
MERIDA	NO DATA		
MEXICO CITY	55	13	HZ
MONTREAL	21	-6	WINDY
NASSAU	66	19	CLDY
OTTAWA	15	-9	WINDY
REGINA	-29	-34	FAIR
ST. THOMAS VI	78	26	FAIR
SAN JUAN	75	24	RA
TORONTO	23	-5	CLDY
WINNIPEG	-16	-27	FAIR

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8.4 Updates, Amendments, and Corrections. This product is not updated or amended. Corrections are made as necessary.

9. **Foreign Temperature and Weather Table (product category TPTINT).**

9.1 Mission Connection. This product contains weather conditions and temperatures for selected foreign cities. The product is intended for general public use domestically and internationally.

9.2 Issuance Guidelines.

9.2.1 Creation Software. TPTINT is automatically compiled by the NWS Telecommunications Gateway.

9.2.2 Issuance Criteria. This is a routine, scheduled product.

9.2.3 Issuance Time. TPTINT is transmitted approximately two hours after observation time.

9.2.4 Valid Time. This product is valid upon transmission.

9.2.5 Product Expiration Time. The product expires with the next issuance.

9.3 Technical Description. TPTINT will follow the format and content described in this section.

9.3.1 MND Broadcast Line. Not applicable.

9.3.2 MND Header. The MND Header for TPTINT is: “FOREIGN TEMPERATURE AND WEATHER TABLE”.

9.3.3 Content. TPTINT provides general weather conditions and temperatures in degrees Fahrenheit (°F) and degrees Celsius (°C) for selected foreign cities at 0000 UTC and 1200 UTC. Specific cities for the product are listed below in the product example.

9.3.4 Format. Example of TPTINT Message:

ABXX06 KWBC 071200
TPTINT

FOREIGN TEMPERATURE AND WEATHER TABLE
NWS TELECOMMUNICATION OPERATIONS CENTER SILVER SPRING MD
1200 UTC THU JAN 7 2010

CITY	PRESENT WEATHER	LOCAL TIME	TEMPS	
			F	C
ABERDEEN	FAIR	1PM	32	0
ABIDJAN	PTCLDY	NOON	88	31
ALGIERS	WINDY	NOON	66	19
AMSTERDAM	MISTY	1PM	27	-3
ANKARA	CLDY	3PM	48	9
ATHENS	CLDY	2PM	64	18
AUCKLAND	FAIR	MDNT	64	18
BARCELONA	DRIZZL	1PM	43	6
BEIJING	FAIR	8PM	5	-15
BEIRUT	FAIR	2PM	70	21
BERLIN	SNOW	1PM	21	-6
BONN	CLDY	1PM	27	-3
BRUSSELS		1PM	28	-2
CAIRO	HAZE	2PM	72	22
CAPE TOWN	WINDY	1PM	73	23
CASABLANCA	PTCLDY	NOON	57	14
COPENHAGEN	FAIR	1PM	25	-4
DAKAR	FAIR	NOON	73	23
DAR ES SALAAM	CLDY	3PM	88	31
DUBLIN	CLDY	1PM	27	-3
FRANKFURT	SNOW	1PM	25	-4
GENEVA	CLDY	1PM	30	-1
HARARE	PRECIP	2PM	82	28
HELSINKI	SNOW	2PM	16	-9
HO CHI MINH CTY	FAIR	8PM	81	27
HONG KONG	CLDY	8PM	54	12
ISTANBUL	PTCLDY	2PM	57	14
JERUSALEM		2PM	NO	DATA
KARACHI		5PM	81	27
LAGOS	PTCLDY	1PM	90	32
LILLE	MISTY	1PM	23	-5
LISBON	WINDY	1PM	50	10
LONDON	FAIR	1PM	30	-1

MADRID	RAIN	1PM	36	2
LUQA	FAIR	1PM	68	20
MANILA	PTCLDY	8PM	79	26
MOSCOW	SNOW	3PM	14	-10
MUNICH	FAIR	1PM	32	0
NAIROBI	CLDY	3PM	77	25
NASSAU	CLDY	7AM	59	15
NEW DELHI	SMOKE	6PM	61	16
NICE	CLDY	1PM	46	8
OSLO	SNOW	1PM	3	-16
PARIS		1PM	25	-4
PRETORIA	CLDY	2PM	84	29
RIYADH	WINDY	3PM	68	20
ROME	CLDY	1PM	55	13
SARAJEVO	RAIN	2PM	45	7
SEOUL		9PM	7	-14
SEVILLA	PTCLDY	1PM	54	12
SHANGHAI	FAIR	8PM	34	1
SINGAPORE	CLDY	8PM	79	26
SOFIA	CLDY	2PM	55	13
ST. PETERSBURG	SNOW	3PM	18	-8
STOCKHOLM	SNOW	1PM	21	-6
SYDNEY	CLDY	10PM	72	22
TAIPEI	RAIN	8PM	57	14
TOKYO	CLDY	9PM	39	4
TUNIS	CLDY	1PM	66	19
VIENNA	CLDY	1PM	32	0
WARSAW	MISTY	1PM	23	-5
ZURICH	CLDY	1PM	32	0

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9.4 Updates, Amendments, and Corrections. This product is not updated or amended. Corrections are made as necessary.

10. **Storm Summaries (product categories SCCNS1-5).**

10.1 Mission Connection. The Hydrometeorological Prediction Center (HPC) issues storm summaries for major winter storms or widespread flash flooding events. This product is for the general meteorological community (including the private sector and the media) and supports the public weather program.

10.2 Issuance Guidelines.

10.2.1 Creation Software. These products are generated in the AWIPS text editor (manual) or other PC-based text editor software.

10.2.2 Issuance Criteria. These products are non-routine, event-driven.

10.2.3 Issuance Time. The issuance time of these products is variable. Issuance of Storm Summaries is subject to available staffing in HPC and is at the discretion of the senior forecaster on duty in HPC's Forecast Operations Branch.

10.2.4 Valid Time. Storm Summaries are valid upon transmission.

10.2.5 Product Expiration Time. Products expire with the next issuance.

10.3 Technical Description. Storm Summaries will follow the format and content described in this section.

10.3.1 MND Broadcast Line. Not applicable.

10.3.2 MND Header. Variable.

10.3.3 Content. This is a free text product which summarizes meteorological elements of either an ongoing storm or a final report describing aspects of the life cycle of a recently ended storm. Storm Summaries are generated for events of major regional or national significance only. Many geographical references used in the product are based on the maps available in NWS Instruction 10-503, Appendix E. Note: Storm Summaries issued for widespread flash flooding are separate from the National Hydrologic Summary produced by NWS Headquarters (Hydrologic Services Division).

10.3.4 Format. Example of Storm Summary Message.

ACUS45 KWBC 202101
SCCNS5

STORM SUMMARY NUMBER 09 FOR EASTERN U.S. WINTER STORM
NWS HYDROMETEOROLOGICAL PREDICTION CENTER CAMP SPRINGS MD
400 PM EST SUN DEC 20 2009

...MAJOR WINTER STORM IS EXITING THE NORTHEAST...

WINTER WEATHER ADVISORIES REMAIN IN EFFECT ALONG THE MAINE COAST.

FOR A DETAILED GRAPHICAL DEPICTION OF THE LATEST WATCHES...WARNINGS AND ADVISORIES...PLEASE SEE WWW.WEATHER.GOV

AT 300 PM EST...A 968 MB...28.59 INCH...LOW PRESSURE CENTER WAS LOCATED OFF THE NEW ENGLAND COAST...APPROXIMATELY 220 MILES EAST OF CAPE COD. NATIONAL WEATHER SERVICE DOPPLER RADARS AND SURFACE OBSERVATIONS INDICATED A BAND OF SNOW THAT WAS BEGINNING TO EXIT THE NEW ENGLAND COAST. IN ADDITION TO THE SNOW...WINDS WERE GUSTING UP TO 40 MPH ALONG THE MASSACHUSETTS COAST.

...SELECTED STORM TOTAL SNOWFALL IN INCHES FROM 100 AM EST FRI DEC 18 THROUGH 300 PM EST SUN DEC 20...

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...MASSACHUSETTS...

BOURNE	21.5
KINGSTON	21.0
NEW BEDFORD	20.0
MIDDLEBORO	18.5
MENDON	17.0
ATTLEBORO	15.8
GLOUCESTER	14.5
FOXBOROUGH	14.0
WAYLAND	14.0
BOSTON LOGAN ARPT	9.0

...MAINE...

HAMPSTEAD	5.4
HAMPTON	5.0
KITTERY POINT	4.5

...RHODE ISLAND...

WEST GREENWICH	22.0
WARREN	21.0
NEWPORT	20.5
SOUTH KINSTOWN	19.9
PORTSMOUTH	19.5
CHARLESTOWN	19.2
WOONSOCKET	19.0
CRANSTON	17.0
WEST WARWICK	17.0
CUMBERLAND	15.9

...SELECTED PEAK WIND GUSTS IN MILES PER HOUR EARLIER IN THE EVENT...

...MASSACHUSETTS...

PROVINCETOWN	65
NANTUCKET	63
BARNSTABLE	62
HYANNIS	54
FALMOUTH	52

...SELECTED STORM TOTAL SNOWFALL IN INCHES WHERE THE EVENT HAS ENDED...

...CONNECTICUT...

CLINTON	20.0
EAST HADDAM	20.0
NORWICH	20.0
PUTNAM	20.0
GROTON	18.0
EAST KILLINGLY	15.7
MANSFIELD	15.5
EASTFORD	14.5

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STERLING	14.5
NORTH BRANFORD	12.0
...WASHINGTON, DC...	
AMERICAN UNIVERSITY	16.0
THE MALL	16.0
...DELAWARE...	
DOVER	18.0
BEAR	17.0
WILMINGTON	17.0
NEWARK	16.1
...KENTUCKY...	
HARLAN	7.0
BEATTYVILLE	6.0
WILLIAMSBURG 1NNW	6.0
...MARYLAND...	
OLNEY	23.3
BETHESDA	23.0
COLUMBIA	23.0
DERWOOD	23.0
SIMPSONVILLE 1 SSE	22.9
GAITHERSBURG 1 NW	22.0
GERMANTOWN	22.0
MILLINGTON	22.0
ANNAPOLIS	20.8
FREDERICK	19.0
...NORTH CAROLINA...	
ROBBINSVILLE 12 W	24.0
ASHEVILLE	17.0
BOONE	16.0
EAST MARION	15.0
RUTHERWOOD	15.0
FLEETWOOD	14.0
WAYNESVILLE	13.8
WEST JEFFERSON	13.0
MARSHALL 7 N	12.0
GREENSBORO	4.5
...NEW JERSEY...	
FOLSOM	25.7
SWEDESBORO	25.0
TABERNACLE	24.8
ATCO	24.0
MEDFORD	24.0
PITTSBORO	23.5

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BRICKTOWN	22.0
CHERRY HILL	19.5
MOUNT HOLLY NWS	16.6
ATLANTIC CITY	12.1

...NEW YORK...

UPTON	26.3
MOUNT SINAI	24.0
ISLIP	23.9
SAG HARBOR	20.0
MEDFORD	18.0
PLAINVIEW	15.2
NYC/JFK ARPT	14.5
LONG BEACH	12.5
BROOKLYN	11.8
NYC/CENTRAL PARK	10.9

...OHIO...

BRIDGEPORT	5.0
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...PENNSYLVANIA...

PHILADELPHIA INTL ARPT	23.2
SHARON HILL	23.0
SOUTH MOUNTAIN	22.0
BROGUE	20.0
QUARRYVILLE	20.0
RAINSBURG	19.5
WEST CALN	19.3
ORRTANNA	17.2
ROCKLEDGE	16.5
WEST CHESTER	15.4

...VIRGINIA...

INDIAN VALLEY	26.0
MUSTOE	25.4
FISHERVILLE	25.0
ROCKY BAR 3 ENE	24.0
CROZET 1SSE	23.0
COVINGTON	22.6
CENTREVILLE 1 SE	22.0
ALEXANDRIA	19.0
DULLES INTERNATIONAL	16.0
REAGAN NATIONAL ARPT	15.4

...WEST VIRGINIA...

MARLINTON	26.0
FRIARS HILL	25.0
HORSE SHOE RUN	25.0
BECKLEY	24.0
HENDRICKS	24.0

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JUMPING BRANCH	24.0
CANAAN VALLEY STATE 3SW	22.0
WILLIAMSBURG	22.0
GRANDVIEW	21.0
CHARLES TOWN	18.0

...SELECTED STORM TOTAL RAINFALL IN INCHES WHERE THE EVENT HAS ENDED...

...SOUTH CAROLINA...

MCCLELLANVILLE	5.96
MOUNT PLEASANT 1 NE	5.38
ISLE OF PALMS	4.80
CHARLESTON	3.93
FORT JOHNSON	3.51
NORTH MYRTLE BEACH	2.96
GOOSE CREEK 4 SE	2.90
HUGER 3 NNE	2.80
BEAUFORT	2.55
WITHERBEE	2.44

THE SURFACE LOW WILL CONTINUE TO TRACK NORTHEASTWARD SUNDAY EVENING. SNOW ACROSS NEW ENGLAND WILL TAPER OFF THIS EVENING AS THE LOW MOVES AWAY FROM THE COAST.

THIS WILL BE THE LAST STORM SUMMARY ISSUED BY THE HYDROMETEOROLOGICAL PREDICTION CENTER FOR THIS EVENT. PLEASE REFER TO YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE FOR ADDITIONAL INFORMATION.

SOLTOW

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10.4 Updates, Amendments, and Corrections. Storm Summaries are not updated or amended. HPC will issue corrections as necessary.