

NOUS41 KWBC 221725 CCA
PNSWSH

PUBLIC INFO. STATEMENT...SERVICE CHANGE NOTICE 02-25 CORRECTION
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
120 PM EDT MON APR 22 2002

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS...NOAA WEATHER
WIRE SERVICE /NWWS/ SUBSCRIBERS...EMERGENCY MANAGERS
WEATHER INFORMATION NETWORK /EMWIN/ SUBSCRIBERS...
NOAAPORT SUBSCRIBERS...OTHER NATIONAL WEATHER SERVICE
/NWS/ CUSTOMERS AND PARTNERS...NWS EMPLOYEES

FROM: JAMES E. LEE
CHIEF...FIRE AND PUBLIC WEATHER SERVICES BRANCH

SUBJECT: CORRECTION - NEW NWS PROBABILISTIC HEAT INDEX PRODUCT
SUITE...EFFECTIVE MAY 1 2002

...CORRECTED AWIPS IDENTIFIERS FOR NEW PRODUCTS...NOTED BELOW...

ON MAY 1 2002...THE NATIONAL WEATHER SERVICE WILL BEGIN
DISTRIBUTING A NEW PRODUCT...THE PROBABILISTIC HEAT INDEX. THE
NEW PRODUCT SUITE WILL INCLUDE A SET OF GRAPHICS DEPICTING THE
PROBABILITY OF THE AVERAGE DAILY HEAT INDEX EXCEEDING SELECTED
THRESHOLDS FOR THE CONTINENTAL U.S. A COMPANION TEXT PRODUCT
WILL ALSO BE ISSUED WITH THE SAME DATA IN TABULAR FORM. THE
FORECASTS WILL BE PREPARED AT THE NATIONAL CENTERS FOR
ENVIRONMENTAL PREDICTION /NCEP/ BY THE HYDROMETEOROLOGICAL
PREDICTION CENTER /HPC/ AND WILL BE ISSUED DAILY AROUND 3 PM EDT.
THE PRODUCTS WILL COVER THE PERIOD FROM THREE TO SEVEN DAYS
AHEAD. THESE PRODUCTS WILL REPLACE THREE TO SEVEN DAY AVERAGE
HEAT INDEX PRODUCTS PRODUCED BY NCEP'S CLIMATE PREDICTION CENTER
/CPC/.

THE NEW PRODUCT SUITE IS INTENDED TO GIVE CUSTOMERS AN EARLY
INDICATION OF ANY SIGNIFICANT HEAT RELATED PROBLEMS. THE HEAT
INDEX IS CALCULATED BY TAKING INTO ACCOUNT BOTH THE TEMPERATURE
AND THE HUMIDITY AND IS A MORE ACCURATE INDICATOR OF DISCOMFORT
THAN THE TEMPERATURE ALONE. STUDIES HAVE SHOWN THAT THE
THRESHOLD FOR DANGER DUE TO HEAT RELATED STRESS IS AN AVERAGE
DAILY HEAT INDEX OF 85 DEGREES OR HIGHER.

THE HEAT INDEX IS CALCULATED FOR EACH LOCATION BASED ON HPC
FORECASTS. THEY ARE CONVERTED TO PROBABILISTIC VALUES BY TAKING
INTO ACCOUNT THE AVERAGE ERROR OF THE HPC HEAT INDEX FORECAST AT
A SPECIFIC LOCATION AND FORECAST DAY.

THE GRAPHICS WILL DISPLAY THE PROBABILISTIC HEAT INDEX FORECAST
FOR DAYS THREE THROUGH SEVEN AND WILL INCLUDE CHARTS FOR THE
85...90...AND 95 DEGREE THRESHOLD. PROBABILITIES OF 10...40...
70 PERCENT WILL BE CONTOURED ON EACH MAP. THE TEXT PRODUCT WILL
INCLUDE THE DAILY AVERAGE HEAT INDEX FORECAST VALUE AS WELL AS

THE PROBABILITY OF THE HEAT INDEX EXCEEDING 70/ 75/ 80/ 85/ 90/
95/ 100/ AND 105 DEGREES.

THE FOLLOWING WMO HEADINGS/AWIPS IDS ARE FOR GRAPHICS COVERING
THE CONUS.

DAY	HI	WMO HEADING	AWIPS ID	
3	85	PTNK98 KWNH	RBG385	< CORRECTED AWIPS ID
3	90	PTNK98 KWNH	RBG390	< CORRECTED AWIPS ID
3	95	PTNK98 KWNH	RBG395	< CORRECTED AWIPS ID
4	85	PTNM98 KWNH	RBG485	< CORRECTED AWIPS ID
4	90	PTNM98 KWNH	RBG490	< CORRECTED AWIPS ID
4	95	PTNM98 KWNH	RBG495	< CORRECTED AWIPS ID
5	85	PTNO98 KWNH	RBG585	< CORRECTED AWIPS ID
5	90	PTNO98 KWNH	RBG590	< CORRECTED AWIPS ID
5	95	PTNO98 KWNH	RBG595	< CORRECTED AWIPS ID
6	85	PTNQ98 KWNH	RBG685	< CORRECTED AWIPS ID
6	90	PTNQ98 KWNH	RBG690	< CORRECTED AWIPS ID
6	95	PTNQ98 KWNH	RBG695	< CORRECTED AWIPS ID
7	85	PTNS98 KWNH	RBG785	< CORRECTED AWIPS ID
7	90	PTNS98 KWNH	RBG790	< CORRECTED AWIPS ID
7	95	PTNS98 KWNH	RBG795	< CORRECTED AWIPS ID

THE PROBABILISTIC HEAT INDEX FORECAST TEXT BULLETIN IS SENT IN
TWO PARTS/EAST AND WEST/:

AREA	WMO HEADING	AWIPS ID	
EAST	FMUS23 KWNH	PRBEHI	< CORRECTED AWIPS ID
WEST	FMUS24 KWNH	PRBWHI	< CORRECTED AWIPS ID

IN ADDITION...HPC DISSEMINATES THESE PRODUCTS AND RELATED
INFORMATION ON THE INTERNET. THE URL ADDRESS AVAILABLE MAY 1 IS
/USE LOWER CASE/:

http://www.hpc.ncep.noaa.gov/heat_index/

THE FOLLOWING 3- TO 7-DAY CPC HEAT FORECASTS WILL BE DISCONTINUED
AND BE REPLACED BY THE REVISED DAY-TO-DAY FORMAT /FOR DAYS 3 TO
7/ FROM THE HYDROMETEOROLOGICAL PREDICTION CENTER...BEGINNING
MAY 1 2002.

...DISCONTINUED...

AVG. HEAT INDEX	WMO HEADER	AWIPS ID
CRITERIA A	PTAM90 KWNC	RBGHI1
/85F+ FOR 3+DAYS/		
CRITERIA B	PTAM95 KWNC	RBGHI2
/90F+ FOR 2+DAYS/		
CRITERIA C	PTAM00 KWNC	RBGHI3
/95F+ FOR 1+DAY/		
STATION PLOT	PTNK98 KWNC	RBGHX3
/MAX HEAT INDEX/		

...DISCONTINUED...

IF YOU HAVE ANY QUESTIONS ABOUT ANY OF THESE CHANGES...YOU CAN CONTACT:

KEVIN MCCARTHY...DEPUTY DIRECTOR
NCEP HYDROMETEOROLOGICAL PREDICTION CENTER
PHONE: 301-763-8000 X 7304
EMAIL: KEVIN.MCCARTHY@NOAA.GOV

OR

DAVID REYNOLDS...CHIEF
NCEP/HPC FORECAST OPERATIONS BRANCH
PHONE: 301-763-8000 X 7317
EMAIL: DAVID.REYNOLDS@NOAA.GOV

THIS NOTICE AND OTHER SERVICE CHANGE NOTICES ARE ON THE INTERNET AT /USE LOWER CASE LETTERS/:

www.nws.noaa.gov/om/notif.htm

END
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