

NOUS41 KWBC 182141
PNSWSH

PUBLIC INFORMATION STATEMENT...SERVICE CHANGE NOTICE 02-30
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
545 PM EDT THU APR 18 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: ROBERT E. LIVEZEY
CHIEF...CLIMATE SERVICES DIVISION

SUBJECT: RESUMPTION OF NATIONAL EXCESSIVE HEAT OUTLOOK
PRODUCTS...EFFECTIVE MAY 1 2002

ON WEDNESDAY...MAY 1 2002...THE NATIONAL CENTERS FOR
ENVIRONMENTAL PREDICTION'S /NCEP/ CLIMATE PREDICTION CENTER /CPC/
WILL RESUME 6- TO 10-DAY AND 8- TO 14-DAY NATIONAL EXCESSIVE HEAT
OUTLOOKS FOR THE CONTERMINOUS U.S. THE 3- TO 7-DAY EXCESSIVE
HEAT FORECASTS WILL BE ISSUED IN A REVISED DAY-TO-DAY FORMAT BY
THE HYDROMETEOROLOGICAL PREDICTION CENTER...BEGINNING MAY 1 2002.
REFER TO SERVICE CHANGE NOTICE 02-25...ISSUED APRIL 18 2002 FOR
MORE INFORMATION ON THE NEW 3- TO 7-DAY FORECAST.

CPC WILL ISSUE THE 6- TO 10-DAY AND 8- TO 14-DAY EXCESSIVE HEAT
OUTLOOKS AROUND 400 PM EASTERN DAYLIGHT TIME /2000 UTC/ THROUGH
SEPTEMBER 30. THE OUTLOOKS WILL EMPHASIZE DAILY MEAN HEAT INDEX
TEMPERATURES RATHER THAN DAILY MAXIMUM HEAT INDEX. HOWEVER...
CPC ALSO WILL PROVIDE THE EXPECTED VALUE OF THE MAXIMUM HEAT
INDEX DURING BOTH THE OUTLOOK PERIODS AT APPROXIMATELY 200
LOCATIONS /SEE AWIPS IDS AND WMO HEADINGS NEAR THE END OF THIS
MESSAGE/.

BECAUSE HEALTH RISKS VARY ENORMOUSLY FROM AREA TO AREA...CPC WILL
ISSUE OUTLOOK MAPS OF THE PROBABILITY OF THE HEAT INDEX EXCEEDING
THREE DIFFERENT THRESHOLDS USING SOLID ISOLINES OF PROBABILITY
PERCENTAGES. THESE WILL BE OVERLAID ON DASHED ISOLINES OF THE
CLIMATOLOGICAL NORMAL PROBABILITIES. CPC CHOSE THE THRESHOLD
HEAT INDEX VALUES BASED ON WHEN CUMULATIVE EXPOSURE WOULD BE
LIKELY TO CAUSE SIGNIFICANT HEALTH RISKS FOR A NUMBER OF THE MOST
VULNERABLE CITIES.

IN ADDITION...BECAUSE VULNERABILITY INCREASES WITH DURATION OF
THE HEAT WAVE...RISKS FOR EXCEEDING THE LOWER THRESHOLDS ARE FOR
DURATIONS LONGER THAN ONE DAY. THESE PRODUCTS WILL CONSIST OF
MAPS OF THE PROBABILITY OF DAILY MEAN HEAT INDEX TEMPERATURE FOR
THRESHOLDS EQUAL TO OR GREATER THAN 85F... 90F... OR 95F FOR THE
6- TO 10-DAY AND 8- TO 14-DAY OUTLOOK PERIODS. THE OUTLOOKS WILL
BE FOR DIFFERENT MINIMUM NUMBERS OF DAYS WITHIN THE PERIOD OF THE

OUTLOOK - NAMELY 3...2 AND 1 DAYS - RESPECTIVELY - WHEN THE THRESHOLDS ARE EQUALED OR EXCEEDED.

MORE SPECIFICALLY...FOR THE 6- TO 10-DAY AND 8- TO 14-DAY OUTLOOK PERIODS - THE NEW PRODUCTS PREDICT THE PERCENT CHANCE OF EQUALING OR EXCEEDING THE FOLLOWING CRITERIA:

- A. DAILY AVERAGE HEAT INDEX EQUAL TO OR GREATER THAN 85F THREE OR MORE DAYS IN THE OUTLOOK PERIOD
- B. DAILY AVERAGE HEAT INDEX EQUAL TO OR GREATER THAN 90F TWO OR MORE DAYS IN THE OUTLOOK PERIOD
- C. DAILY AVERAGE HEAT INDEX EQUAL TO OR GREATER THAN 95F ONE OR MORE DAYS IN THE OUTLOOK PERIOD

THE WMO HEADINGS AND AWIPS IDENTIFIERS FOR THE SIX CHARTS ARE AS FOLLOWS:

AV. HEAT INDEX 6- TO 10-DAY 8- TO 14-DAY

CRITERIA A PTAS90 KWNC PTAT90 KWNC
/85F+ FOR 3+DAYS/ RBGHI4 RBGHI7

CRITERIA B PTAS95 KWNC PTAT95 KWNC
/90F+ FOR 2+DAYS/ RBGHI5 RBGHI8

CRITERIA C PTAS00 KWNC PTAT00 KWNC
/95F+ FOR 1+DAY/ RBGHI6 RBGHI9

NOTES - THE NUMBERS WITHIN THE WMO HEADINGS DO NOT COINCIDE WITH THE HEAT INDEX THRESHOLDS.

THE WMO HEADINGS AND AWIPS IDS FOR STATION PLOT MAPS OF 6- TO 10-DAY AND 8- TO 14-DAY MAXIMUM HEAT INDEX PREDICTION ARE AS FOLLOWS:

6- TO 10-DAY		8- TO 14-DAY	
WMO HEADING	AWIPS ID	WMO HEADING	AWIPS ID
PTNQ98 KWNC	RBGHX6	PTNW98 KWNC	RBGHX8

ALL MAPS WILL BE ISSUED OVER AWIPS...NOAAPORT...AND THE CPC HOME PAGE /USE LOWER CASE/:

<http://www.cpc.ncep.noaa.gov>

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 NCEP'S HYDROMETEOROLOGICAL PREDICTION CENTER...BEGINNING MAY 1 2002. REFER TO SERVICE CHANGE NOTICE 02-25 FOR MORE INFORMATION ON THE REPLACEMENT PRODUCTS FROM HPS.

AV. HEAT INDEX - 3- TO 7-DAY /BY CPC/...DISCONTINUED...
WMO HEADINGS AND AWIPS IDENTIFIERS...DISCONTINUED...

CRITERIA A PTAM90 KWNC
/85F+ FOR 3+DAYS/ RBGHI1

CRITERIA B PTAM95 KWNC
/90F+ FOR 2+DAYS/ RBGHI2

CRITERIA C PTAM00 KWNC
/95F+ FOR 1+DAY/ RBGHI3

DISCONTINUED STATION PLOT MAPS BY CPC OF 3- TO 7-DAY MAXIMUM HEAT
INDEX PREDICTION:

DISCONTIUNED DISCONTINUED
WMO HEADING AWIPS ID
PTNK98 KWNC RBGHX3

FOR FURTHER INFORMATION...CONTACT

DAVID UNGER
CLIMATE PREDICTION CENTER - W/NP51
5200 AUTH RD.
CAMP SPRINGS MD 20746-4304
PH: 301-763-8000 EXT 7569

THIS AND OTHER NOTIFICATIONS ARE ON THE INTERNET AT /USE LOWER
CASE/:

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

END
NNNN