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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 /NWS/ SUBSCRIBERS
EMERGENCY MANAGERS WEATHER INFORMATION NETWORK /EMWIN/
SUBSCRIBERS
NOAAPORT SUBSCRIBERS
OTHER NWS CUSTOMERS...PARTNERS AND 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 /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. /CONUS/. THE 3- TO 7-DAY EXCESSIVE HEAT FORECASTS WILL BE ISSUED IN
A REVISED DAY-TO-DAY FORMAT BY THE HYDROMETEOROLOGICAL PREDICTION CENTER
/HPC/...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 COORDINATED UNIVERSAL TIME
/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 ADVANCED WEATHER
INTERACTIVE PROCESSING SYSTEM /AWIPS/ IDS AND WORLD METEOROLOGICAL
ORGANIZATION /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 THREE...TWO AND ONE DAY/S/ - 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:

- DAILY AVERAGE HEAT INDEX EQUAL TO OR GREATER THAN 85F THREE OR MORE DAYS IN THE OUTLOOK PERIOD.
- DAILY AVERAGE HEAT INDEX EQUAL TO OR GREATER THAN 90F TWO OR MORE DAYS IN THE OUTLOOK PERIOD.
- 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 /85F+ FOR 3+ DAYS/	PTAS90 KWNC RBGHI4	PTAT90 KWNC RBGHI7
CRITERIA B /90F+ FOR 2+ DAYS/	PTAS95 KWNC RBGHI5	PTAT95 KWNC RBGHI8
CRITERIA C /95F+ FOR 1+ DAY/	PTAS00 KWNC RBGHI6	PTAT00 KWNC RBGHI9

NOTE: 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 HOMEPAGE /USE LOWER CASE/:

[HTTP://WWW.CPC.NCEP.NOAA.GOV](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 THREE TO SEVEN/ FROM NCEP HPC...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 HEADING	DISCONTINUED AWIPS IDENTIFIER
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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:

DISCONTINUED WMO HEADING	DISCONTINUED AWIPS IDENTIFIER
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PTNK98 KWNC	RBGHX3

FOR FURTHER INFORMATION...CONTACT:

DAVID UNGER
CLIMATE PREDICTION CENTER - W/NP51
CAMP SPRINGS MARYLAND
PHONE: 301-763-8000 EXT. 7569

NATIONAL SERVICE CHANGE NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

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