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PUBLIC INFORMATION STATEMENT...SERVICE CHANGE NOTICE 01-19  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
930 AM EDT FRI APR 27 2001

TO: NATIONAL WEATHER SERVICE EMPLOYEES...NOAAPORT  
SUBSCRIBERS... NOAA WEATHER WIRE SUBSCRIBERS...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 2001

ON TUESDAY...MAY 1 2001...THE NATIONAL WEATHER SERVICE/S CLIMATE  
PREDICTION CENTER /CPC/ WILL RESUME THE DAILY NATIONAL EXCESSIVE  
HEAT OUTLOOKS. THE OUTLOOKS WILL BE ISSUED DAILY AROUND 400 PM  
EASTERN LOCAL TIME. THE OUTLOOKS WILL EMPHASIZE DAILY MEAN HEAT  
INDEX TEMPERATURES RATHER THAN DAILY MAXIMUM HEAT INDEX...  
ALTHOUGH CPC ALSO WILL PROVIDE THE EXPECTED VALUE OF THE MAXIMUM  
HEAT INDEX DURING THE 5- OR 7- DAY FORECAST PERIOD AT  
APPROXIMATELY 200 LOCATIONS.

BECAUSE HEALTH RISKS VARY ENORMOUSLY FROM AREA TO AREA...CPC WILL  
ISSUE FORECASTS OF THE PROBABILITY OF THE HEAT INDEX EXCEEDING  
THREE DIFFERENT THRESHOLDS. THESE PROBABILITY FORECASTS WILL BE  
OVERLAID ON ISOLINES /LINES OF EQUAL VALUES/ OF THE  
CLIMATOLOGICAL NORMAL PROBABILITY. 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 85 DEGREES F...  
90 DEGREES F...OR 95F FOR EACH OF THE 3-7... 6-10...AND 8-14 DAY  
FORECAST PERIODS. THE FORECASTS WILL BE FOR DIFFERENT MINIMUM  
NUMBERS OF DAYS WITHIN THE 5 OR 7 DAY PERIOD OF THE FORECAST -  
NAMELY 3...2 AND 1 DAYS - RESPECTIVELY - WHEN THE THRESHOLDS ARE  
EQUALED OR EXCEEDED.

MORE SPECIFICALLY...FOR THE 3-7...6-10...AND 8-14 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 FORECAST PERIOD

B. DAILY AVERAGE HEAT INDEX EQUAL TO OR GREATER THAN 90F TWO OR MORE DAYS IN THE FORECAST PERIOD

C. DAILY AVERAGE HEAT INDEX EQUAL TO OR GREATER THAN 95F ONE OR MORE DAYS IN THE FORECAST PERIOD

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

AV. HEAT INDEX    3-7 DAY    6-10 DAY    8-14 DAY

CRITERIA A        PTAM90 KWNC    PTAS90 KWNC    PTAT90 KWNC  
/85F+ FOR 3+DAYS/    RBGHI1        RBGHI4        RBGHI7

CRITERIA B        PTAM95 KWNC    PTAS95 KWNC    PTAT95 KWNC  
/90F+ FOR 2+DAYS/    RBGHI2        RBGHI5        RBGHI8

CRITERIA C        PTAM00 KWNC    PTAS00 KWNC    PTAT00 KWNC  
/95F+ FOR 1+DAY/    RBGHI3        RBGHI6        RBGHI9

NOTE: THE NUMBERS WITHIN THE WMO HEADINGS DO NOT COINCIDE WITH THE HEAT INDEX THRESHOLDS.

THESE NINE CHARTS WILL BE ISSUED OVER AWIPS...NOAAPORT...AND THE CPC HOME PAGE /USE LOWER CASE/:

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

IF YOU HAVE ANY QUESTIONS...EITHER SEND E-MAIL OVER THE INTERNET TO THE PUBLIC LIAISON AT /USE LOWER CASE/:

[http://www.ncep.noaa.gov/mail\\_liaison.shtml](http://www.ncep.noaa.gov/mail_liaison.shtml)

OR WRITE TO:

NOAA/NWS  
CLIMATE PREDICTION CENTER  
OPERATIONS BRANCH - W/NP53  
WORLD WEATHER BUILDING  
5200 AUTH ROAD  
CAMP SPRINGS MD 20746-4304

THIS AND OTHER SERVICE CHANGE NOTIFICATION MESSAGES ARE ON THE INTERNET AT /USE LOWER CASE/:

[www.nws.noaa.gov/om/notif.htm](http://www.nws.noaa.gov/om/notif.htm)

END  
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