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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: FAMILY OF SERVICES /FOS/ SUBSCRIBERS
NOAA WEATHER WIRE /NWWS/ SUBSCRIBERS
NOAAPORT SUBSCRIBERS
OTHER NWS PARTNERS...USERS AND 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
THREE DAYS...TWO DAYS AND ONE DAY - 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:

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

THE WORLD METEOROLOGICAL ORGANIZATION /WMO/ HEADINGS AND ADVANCED WEATHER INTERACTIVE PROCESSING SYSTEM /AWIPS/ IDENTIFIERS FOR THE NINE CHARTS ARE AS FOLLOWS:

AVERAGE HEAT INDEX -----	3-7 DAY -----	6-10 DAY -----	8-14 DAY -----
CRITERIA A /85F+ FOR 3+DAYS/	PTAM90 KWNC RBGHI1	PTAS90 KWNC RBGHI4	PTAT90 KWNC RBGHI7
CRITERIA B /90F+ FOR 2+DAYS/	PTAM95 KWNC RBGHI2	PTAS95 KWNC RBGHI5	PTAT95 KWNC RBGHI8
CRITERIA C /95F+ FOR 1+DAY/	PTAM00 KWNC RBGHI3	PTAS00 KWNC RBGHI6	PTAT00 KWNC 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 HOMEPAGE /USE LOWER CASE/:

[HTTP://WWW.CPC.NCEP.NOAA.GOV](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 CONTACT:

NOAA/NWS
CLIMATE PREDICTION CENTER OPERATIONS BRANCH
WORLD WEATHER BUILDING
CAMP SPRINGS MARYLAND

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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