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PUBLIC INFORMATION STATEMENT...SERVICE CHANGE NOTICE 00-43...UPDATED
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
900 AM EDT THU MAY 11 2000

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: UPDATED: NEW EXCESSIVE HEAT OUTLOOK PRODUCTS...EFFECTIVE JUNE 1
2000

UPDATED TITLE...EXCESSIVE HEAT OUTLOOK PRODUCT. APPARENT TEMPERATURE IS
NOW REFERRED TO AS THE HEAT INDEX TEMPERATURE. ALSO PROBABILITY - RATHER
THAN PROBABILITY ANOMALY - WILL BE USED FOR THE HEAT INDEX PROBABILISTIC
FORECASTS.

ON THURSDAY...JUNE 1 2000...THE CLIMATE PREDICTION CENTER /CPC/ WILL START
PROVIDING EXCESSIVE HEAT OUTLOOKS. THE OUTLOOKS WILL BE ISSUED DAILY
AROUND 4:00 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 WILL BE OVERLAID ON ISOLINES 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 NEW 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 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
DAY/S - 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 WORLD METEOROLOGICAL ORGANIZATION /WMO/ HEADINGS AND ADVANCED WEATHER INTERACTIVE PROCESSING SYSTEM /AWIPS/ IDENTIFIERS FOR THE NINE CHARTS ARE AS FOLLOWS:

AV. 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 INTERNET SITE - [HTTP://WWW.CPC.NCEP.NOAA.GOV](http://www.cpc.ncep.noaa.gov) - USE LOWER CASE.

FOR FURTHER INFORMATION...CONTACT:

NOAA/NWS
CLIMATE PREDICTION CENTER
CAMP SPRINGS MARYLAND

OR EMAIL CPC THROUGH THEIR WEBSITE.

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

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

END
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