

**NATIONAL WEATHER SERVICE PRODUCT/SERVICE DESCRIPTION
DOCUMENT (PDD) TYPE: Official Product DATE: January 28, 2003**

6-TO 10-DAY AND 8-TO 14-DAY MAXIMUM HEAT INDEX PREDICTION

Part 1 -Mission Connection

- 1 Product/Service Description: The Climate Prediction Center (CPC) issues 6-to 10-Day and 8-to 14-Day Maximum Heat Index Predictions for approximately 200 locations in the Contiguous U.S.
- 2 Purpose/Intended Use: This product is intended for planning for potential extreme heat exposure that could cause significant health risks, especially for a number of the most vulnerable cities.
- 3 Audience:
The product is for use by health officials and local emergency managers.
- 4 Presentation Format: presents the outlooks charts sent over NWS dissemination systems in red book graphic format and on the CPC web site.
- 5 Feedback Method: <http://www.cpc.ncep.noaa.gov/comment-form.html>

Part 2 -Technical

- 1. Format and Science Basis: CPC will issue predictions for the maximum heat index during the valid period for a number of cities in the contiguous U.S. CPC will plot the predicted maximum Heat Index values on the maps (in Fahrenheit). The maps will be contoured in 5 degree Fahrenheit intervals.

6-to 10-Day maximum heat index prediction map:
http://www.cpc.ncep.noaa.gov/products/predictions/hi_610.html.

8-to 14-Day maximum heat index prediction map:
http://www.cpc.ncep.noaa.gov/products/predictions/hi_814.html.

- 2. Availability: These are scheduled products issued daily around 4:00 p.m. Eastern Local Time from May 1 through September 30. CPC does not issue updates or amendments. They will issue corrections as needed. They are issued on NWS dissemination systems under the following product IDs:

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6-to10-Day		8-to14-Day	
WMO Heading	AWIPS ID	WMO Heading	AWIPS ID
PTNQ98 KWNC	RBGHX6	PTNW98 KWNC	RBGHX8

They are also issued on the CPC web site at the URLs listed in section a.

3.Additional Information:

Valid Time: The valid time is the 6-to 10-day or 8-to 14-day period after issuance.

Product Expiration Time: The predictions expire 24 hours later with issuance of the next 6-to 10-Day or 8-to 14-Day Maximum Heat Index predictions.

Creation Software: CPC uses the General Meteorological Package (GEMPAK) software as an input into National Center Advanced Weather Interactive Processing System (NAWIPS).