

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

**6-TO 10-DAY AND 8-TO 14-DAY MEAN NORTH AMERICAN 500 MILLIBAR OUTLOOK**

**Part 1 -Mission Connection**

- 1 Product/Service Description: The Climate Prediction Center (CPC) issues these outlooks to provide insight into the 6-to 10-day and 8-to 14-day temperature and precipitation outlooks by indicating mean circulation patterns.
- 2 Purpose/Intended Use: This product assists users in providing added insight to the 6-to 10-day and 8-to 14-day temperature and precipitation outlooks.
- 3 Audience: The audience is primarily decision makers with some technical background in weather and climate sensitive activities sensitive to intra-monthly climate variation (e.g. weather risk management, energy/utilities, agriculture, hydrology, etc.).
- 4 Presentation Format: CPC presents the outlooks as charts 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 plot the predicted average 500 millibar contour heights and height anomaly for the valid period. CPC plots the anomaly with respect to 30-year mean heights for the outlook period. CPC will plot solid height contour lines and dashed height anomaly lines at 60-meter intervals.

The latest 6-to 10-Day 500 mb outlook is at:

<http://www.cpc.ncep.noaa.gov/products/predictions/610day/500mb.html>. The latest 8-to 14-Day 500 mb outlook is at:

<http://www.cpc.ncep.noaa.gov/products/predictions/814day/500mb.html>.

- 2. Availability: These are scheduled products issued daily around 3:00 p.m. Eastern Local Time. 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:

Height			Height Anomaly	
Period	WMO Heading	AWIPS ID	WMO Heading	AWIPS ID
6-to 10-Day	PHBV50 KWBC	RBG96H	PHNT50 KWNC	RBG96C
8-to 14-Day	PHTT50 KWNC	RBG98H	PHTT51 KWNC	RBG98C

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 outlook expires 24 hours later with issuance of the next 6-to 10-Day or 8-to 14-Day Outlook.

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