

***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 disseminations systems in red book graphic format and on the CPC web site.

5. Feedback Method:

E-mail both Robert.Leffler@noaa.gov and Barbara.Mayes@noaa.gov.

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:

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