MEAN UPPER TROPOSPHERIC FLOW
OVER THE GLOBAL TROPICS

BY

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Upper air climatology over the tropics is a powerful forecast tool. This technical report consists of mean monthly 200- and 300-mb wind charts for the global tropics. Volume I is a brief discussion on how the charts were developed, the significant climatological features, and their use. Volume II contains the maps. In day-to-day use the forecaster must identify the location of key synoptic features and adjust the forecast to these features. This requires an understanding of these features, their persistence, and their relative effect on sensible weather.
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WINDS over GLOBAL TROPICS - JU

[Map of wind patterns with various locations marked, including Wake Island, Marcus Island, and the surrounding waters.

Legend: Wind speeds are indicated at various locations.

- 10 knots
- 20 knots
- 30 knots
- 40 knots
- 50 knots

Geographical locations include:
- Wake Island
- Marcus Island
- Marshall Islands
- Gilbert Islands

Map coordinates for longitude and latitude are provided along the edges of the map.
MEAN UPPER LEVEL WINDS
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MEAN UPPER LEVEL WIND
NDS over GLOBAL TROPICS - JAN
VINDS over GLOBAL TROPICS
CS - NOVEMBER 200 mb

[Wind flow diagram showing various pressure levels and wind directions]
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MEAN UPPER LEVEL WINDS
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