WEATHER BUREAU

GEOSTROPHIC WIND SCALE — CONSTANT PRESSURE SURFACES
POLAR STEREOGRAPHIC PROJECTION, TRUE AT LATITUDE 60°
SCALE 1:30,000,000 — Δ = 200

VELOCITY (MPH)
300 150 100 75 50 40 30 20 15 12 10

SYNOPTIC WEATHER MAP
NORTHERN HEMISPHERE
500 MB 0400 GMT

JAN 16 1945

UPPER AIR STATION MODELS

RAOB STATION	FLIGHT REPORT
TT	TT
HHH	HHH(ZZ)
$T_D T_D$	

SCALE OF STATUTE MILES AT VARIOUS LATITUDES
SCALE 1:30,000,000
POLAR STEREOGRAPHIC PROJECTION, TRUE AT LATITUDE 60°

W.B. 1677 DECEMBER 1953

GEOSTROPHIC WIND SCALE

ISOBARIC INTERVAL 5 MB

SEA LEVEL DENSITY

25° 30° 35° 40° 45° 50° 55° 60° 70° 80°

BEAUFORT SCALE (IN ITALICS)
VELOCITY (M.P.H.)

LATITUDES

DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA

WEATHER BUREAU

ANALYSIS EXTRAPOLATED AND INTERPOLATED BY USE OF OFF-TIME DATA

ANALYSIS EXTRAPOLATED AND INTERPOLATED BY USE OF METEOROLOGICAL DATA

SYNOPTIC WEATHER MAP
NORTHERN HEMISPHERE
SEA LEVEL 1230 GMT

JAN 16 1945

STATION MODEL

LAND STATIONS	SHIP STATIONS
$ii \begin{pmatrix} \\ TTdd \end{pmatrix} \begin{matrix} C_H \\ C_M \end{matrix} PPP$	$ii \begin{pmatrix} \\ TTdd \end{pmatrix} \begin{matrix} C_H \\ C_M \end{matrix} \begin{matrix} D_S v_S \\ PPP \end{matrix}$
$VVww \; N \pm ppp$	$VVww \; N \pm ppp$
$T_d T_d C_L N_h W R_1$	$T_d T_d C_L N_h W R_1$
$h \quad RR$	$(T_S T_S) \; h$

SCALE OF STATUTE MILES AT VARIOUS LATITUDES
SCALE 1:30,000,000
POLAR STEREOGRAPHIC PROJECTION, TRUE AT LATITUDE 60°

W.B. 1677 DECEMBER 1953