U. S. DEPARTMENT OF COMMERCE
WEATHER BUREAU

GEOSTROPHIC WIND SCALE – CONSTANT PRESSURE SURFACES
POLAR STEREOGRAPHIC PROJECTION. TRUE AT LATITUDE 80°
SCALE 1:30,000,000 – Δh = 200

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

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

SYNOPTIC WEATHER MAP
NORTHERN HEMISPHERE
500 MB 0400 GMT

JAN 25 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°

100 50 0 100 200 300 400 500 600 700 800 900 1000

90° 70° 60° 50° 40° 30° 20° 10° 0°

W.B. 1677 DECEMBER 1953

WEATHER BUREAU

GEOSTROPHIC WIND SCALE

ISOBARIC INTERVAL 5 MB — SEA LEVEL DENSITY

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

300 150 100 80 60 50 40 30 20 15 12 10

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

LATITUDES

SYNOPTIC WEATHER MAP
NORTHERN HEMISPHERE
SEA LEVEL 1230 GMT

JAN 25 1945

STATION MODEL

LAND STATIONS	SHIP STATIONS
ii / TTdd / $C_H C_M$ PPP	ii / $D_S v_S$ / TTdd / $C_H C_M$ PPP
VVwwN ± ppa	VVwwN ± ppa
$T_d T_d C_L N_h W R_t$ / h RR	$T_d T_d C_L N_h W R_t$ / $(T_S T_S)$ 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