GEOSTROPHIC WIND SCALE
CONTOUR INTERVAL 200 FEET

VELOCITY m.p.h.
300 150 100 75 50 40 30 20 15 12 10

LATITUDE
25 30 35 40 45 50 55 60 70

Prepared by
AIR WEATHER SERVICE
UNITED STATES AIR FORCE

CAELUM AD PROELIUM REGIS

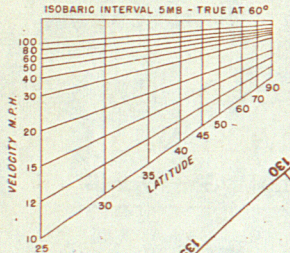
SYNOPTIC WEATHER MAP
NORTHERN HEMISPHERE
500 MB 0400 GMT

JANUARY 27, 1947

STATION MODEL	
RAOBS	FLIGHTS
TT HHHH	TT HHHH (GGGGZ)

Scale of Miles at Various Latitudes
100 50 0 100 200 300 400 500 600 700 800 900 1000
Latitude 0° 10° 20° 30° 40° 50° 60° 70° 80° 90°

GEOSTROPHIC WIND SCALE
ISOBARIC INTERVAL 5MB - TRUE AT 60°



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AIR WEATHER SERVICE
UNITED STATES AIR FORCE

CAELUM AD PROSIUM REGIS

SYNOPTIC WEATHER MAP

NORTHERN HEMISPHERE
SEA LEVEL 1230 GMT

JANUARY 27, 1947

STATION MODEL

LAND STATIONS	SHIP STATIONS	FLIGHTS
TT C_H C_L PPP	$(T_w T_w)$ d_s v_s	TT $C\,N_s$
Vww N zppp	$D_s TT$ C_H PPP	$C\,N_2$ PPP
$T_d T_d$ $C\,N_h\,W_1 W_2$	K C_M zppp	Vww hhh
h RR	Vww N $N_h W$	$T_d T_d$ $C\,N_s\,W$
	$T_d T_d$ C_L h	(99GGgg)

Scale of Miles at Various Latitudes