



# Helo Weather

Charleston ROF

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Date (L): Thu 23 December 2021

Brief Time (L): 0600

Briefing Number: 12-020

FCSTR: Paul Gulli

## REGIONAL SUMMARY

A massive swatch of fog and stratus is covering about half of the Ross Ice Shelf, and flow around the high causing it is directing that low cloudiness into the Ross Island region. The pattern doesn't appear to change much today, with the exception of some mixing that will occur around midday, lifting the fog off the ground and improving visibility but only enough to cause a persistent low ceiling. The cloud layer is fairly thin, so getting above it doesn't appear will be a challenge. The Dry Valleys appear to be relatively clear today, but will still bear watching as satellite imagery shows the cloud layer just off of where the valleys open into McMurdo Sound.

## HAZARDS

Trace to Light Rime Icing is expected within the low stratus layer. Winds are relatively light throughout the region, so no significant turbulence is expected today.

## LATEST MCMURDO OBSERVATION

METAR NZCM 221555Z AUTO 0000KT 9999 SKC M02/M05 A2882 RMK AO2 SLP765 T10211054 \$=

## RUNWAY TAFS

TAF NZFX 221456Z 2215/2315 (2304/2404NZDT) 03006KT 9999 SCT005 BKN012 620122 QNH2882INS GRID20006KT  
BECMG 2216/2218 (2305/2307) 03005KT 0800 FZFG VV003 620032 QNH2882INS GRID20005KT  
BECMG 2221/2223 (2310/2312) 05005KT 9999 NSW OVC005 620052 QNH2880INS GRID22005KT  
BECMG 2303/2305 (2316/2318) VRB04KT 9999 FEW005 BKN012 620122 QNH2877INS

TAF NZWD 221456Z 2215/2315 (2304/2404NZDT) 02005KT 9999 SCT005 BKN012 620122 QNH2883INS GRID19005KT  
BECMG 2216/2218 (2305/2307) 03004KT 0800 FZFG VV003 620032 QNH2882INS GRID20004KT  
BECMG 2221/2223 (2310/2312) 05004KT 9999 NSW OVC005 620052 QNH2880INS GRID22004KT  
BECMG 2303/2305 (2316/2318) VRB04KT 9999 FEW005 BKN012 620122 QNH2877INS

## MCMURDO HELIPAD FORECAST (VALID TIME: 23/0600L - 1800L)

**SFC WIND (TRUE):** VRB06KT

**SFC VISIBILITY (SM):** 1/2 – 2 IN MIST, OCNL UNRES

**SKY CONDITION (AGL):** OVC005

**MIN ALSTG:** 28.77INS

**HAZARDS:** TRACE ICG 005-012

**SITE & AREA FORECASTS (VALID TIME: 23/0600L - 1800L)**

**LK HOARE/LK FRYXELL SITES (AREA FCST)**

**SFC WIND (TRUE):** 09007KT

**SFC VISIBILITY (SM):** UNRES, VCFG

**SKY CONDITION (AGL):** SCT005

**MIN ALSTG:** 28.81INS

**HAZARDS:** NIL

**EXPLORERS COVE**

**SFC WIND (TRUE):** 08007KT

**SFC VISIBILITY (SM):** UNRES, VCFG

**SKY CONDITION (AGL):** SCT005

**MIN ALSTG:** 28.74INS

**HAZARDS:** NIL

**MARBLE POINT**

**SFC WIND (TRUE):** VRB06KT

**SFC VISIBILITY (SM):** ½ FZFG, OCNL UNRES

**SKY CONDITION (AGL):** BKN005, OCNL SCT005

**MIN ALSTG:** 28.80INS

**HAZARDS:** TRACE ICG 005-012

**COMMONWEALTH GL / MET**

**SFC WIND (TRUE):** 09007KT

**SFC VISIBILITY (SM):** UNRES, VCFG

**SKY CONDITION (AGL):** SCT005

**MIN ALSTG:** 28.73INS

**HAZARDS:** NIL

**BLACK ISLAND**

**SFC WIND (TRUE):** VRB06KT

**SFC VISIBILITY (SM):** UNRES

**SKY CONDITION (AGL):** SCT005

**MIN ALSTG:** 28.78INS

**HAZARDS:** NIL

**SCOTT BASE**

**SFC WIND (TRUE):** 07006KT

**SFC VISIBILITY (SM):** ½ FZFG, OCNL UNRES

**SKY CONDITION (AGL):** BKN005, OCNL SCT005

**MIN ALSTG:** 28.78INS

**HAZARDS:** TRACE ICG 005-012

**CP ROYDS**

**SFC WIND (TRUE):** VRB06KT

**SFC VISIBILITY (SM):** UNRES, VCFG

**SKY CONDITION (AGL):** SCT005, OCNL BKN005

**MIN ALSTG:** 28.77INS

**HAZARDS:** TRACE ICG 005-012

**CP BIRD**

**SFC WIND (TRUE):** VRB06KT

**SFC VISIBILITY (SM):** ½ FZFG, OCNL UNRES

**SKY CONDITION (AGL):** OVC005, OCNL SCT005

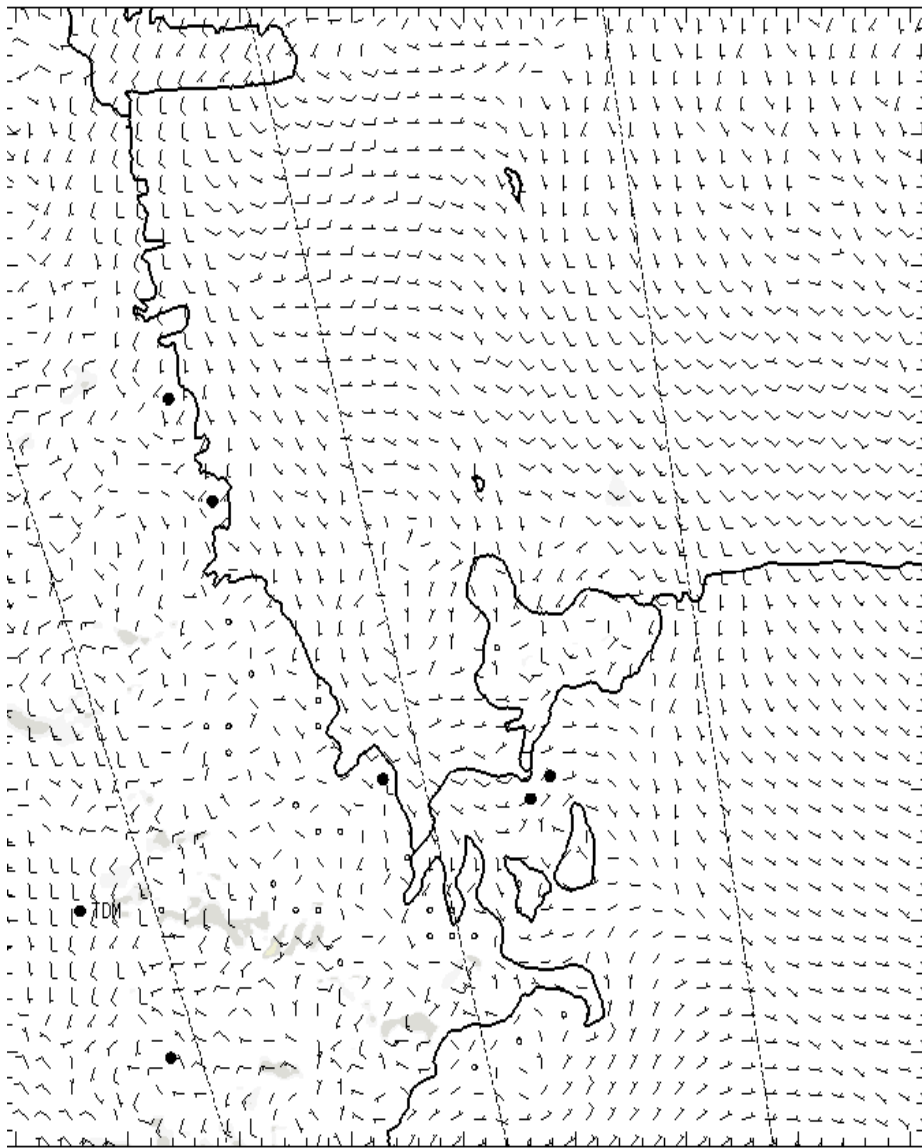
**MIN ALSTG:** 28.77INS

**HAZARDS:** TRACE-LGT RIME ICG 005-015

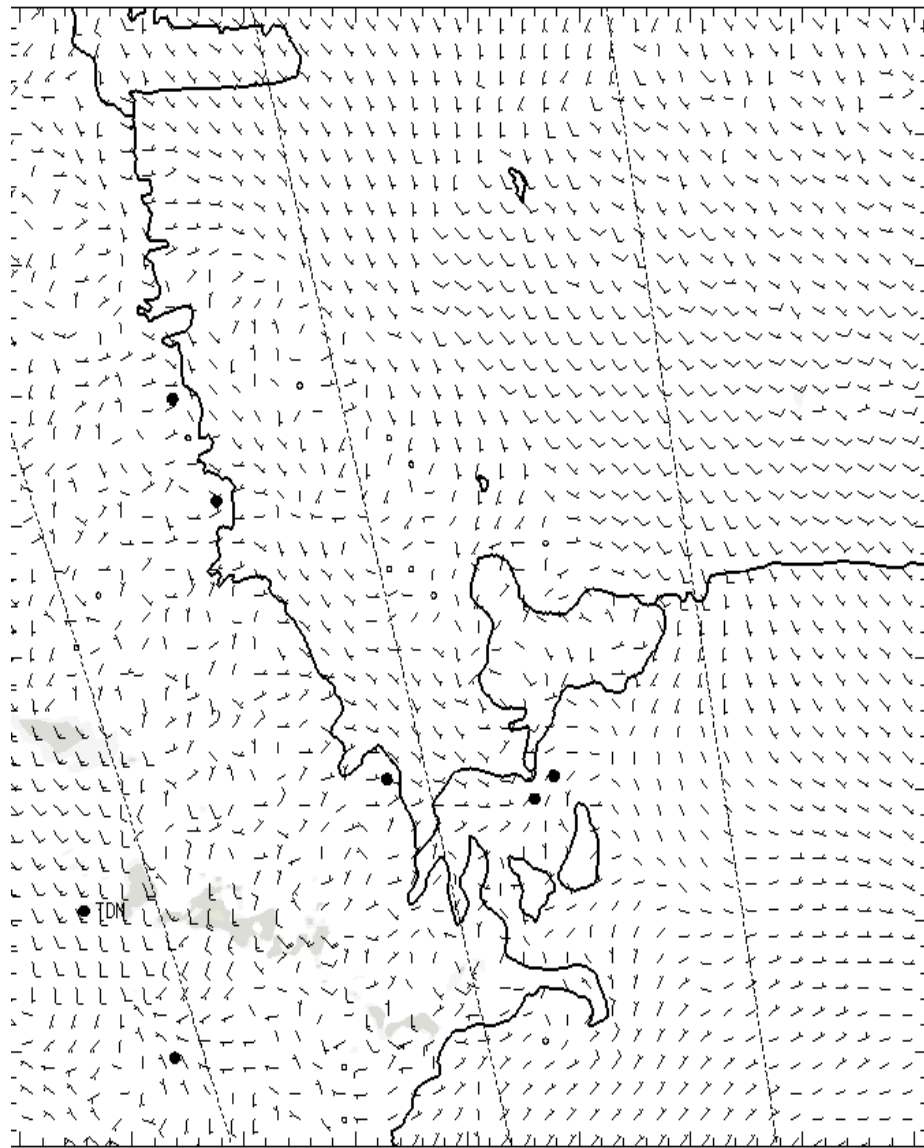
**NIGHT AREA OUTLOOKS (VALID TIME: 23/1800L - 24/0600L):**

N/A

# SFC

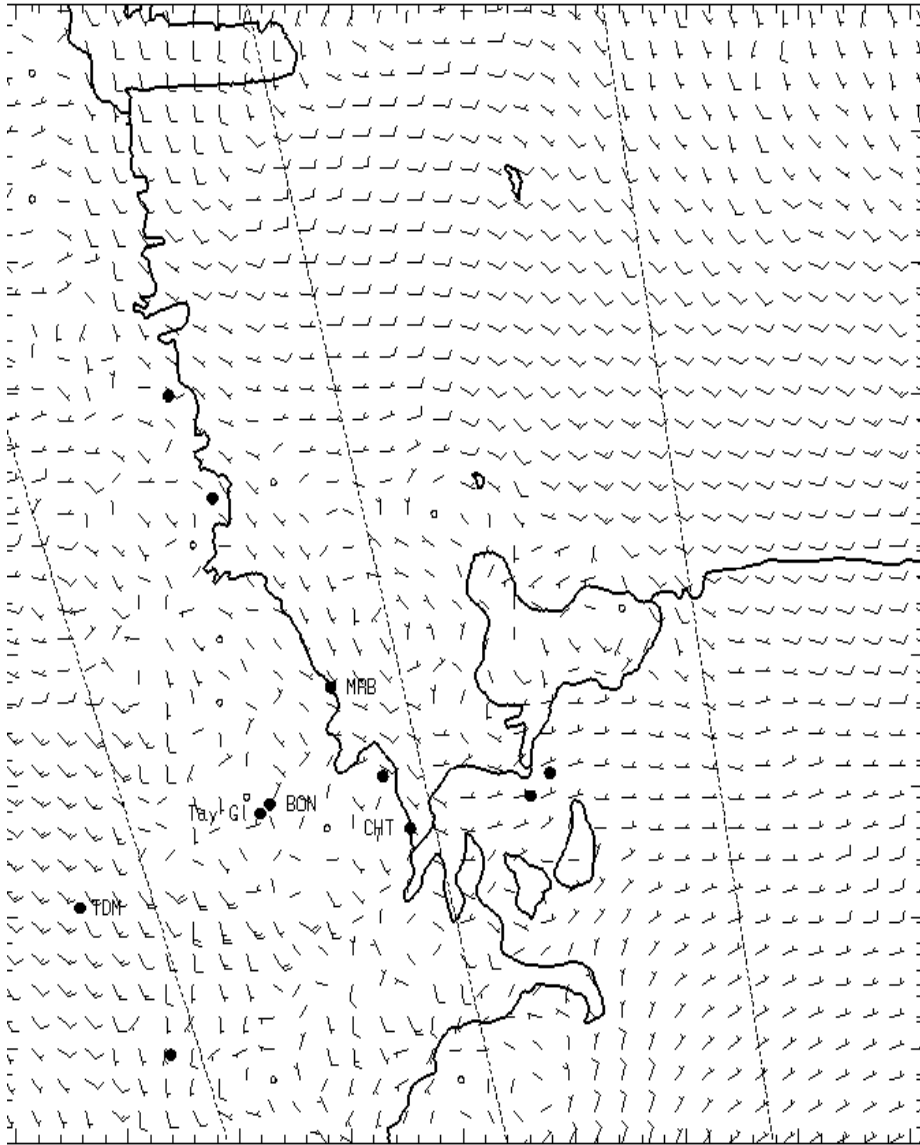


0700L

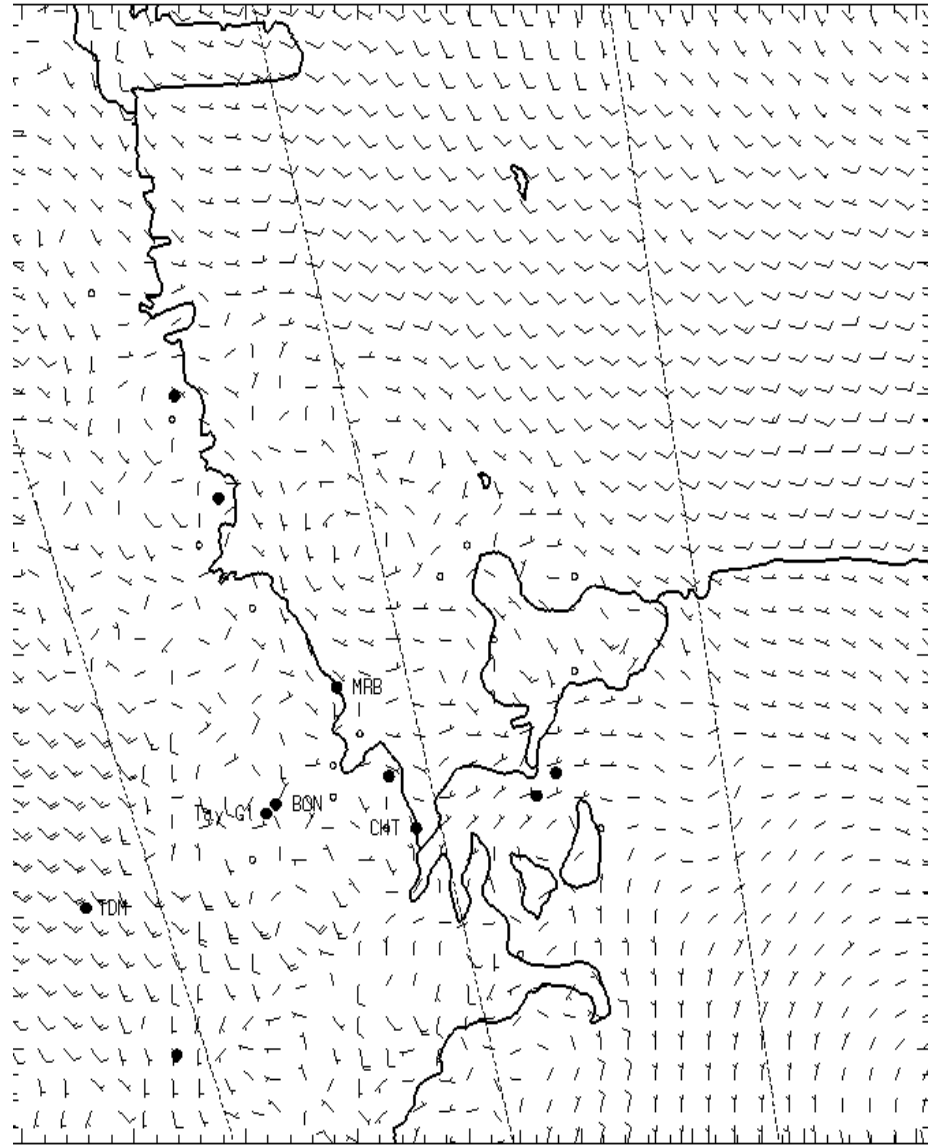


1300L

# 1,000 ft AGL

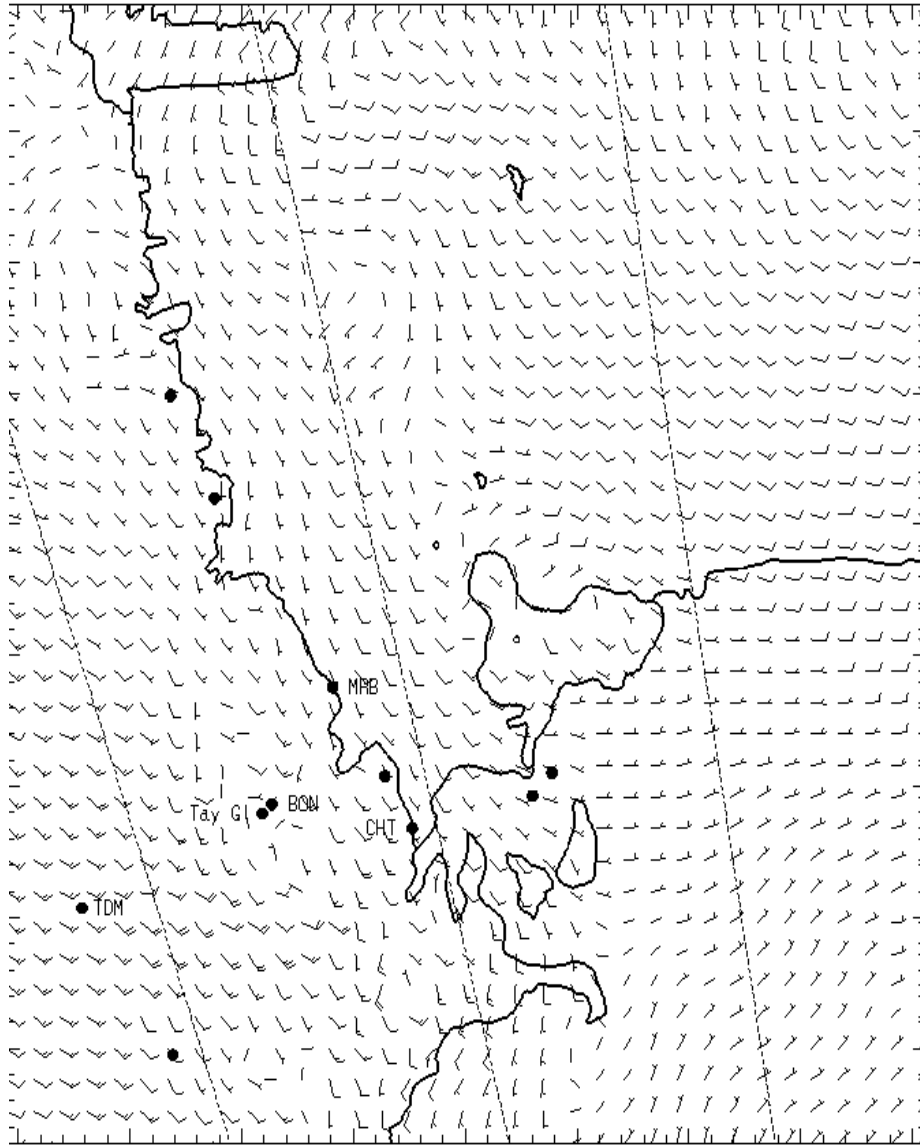


0700L

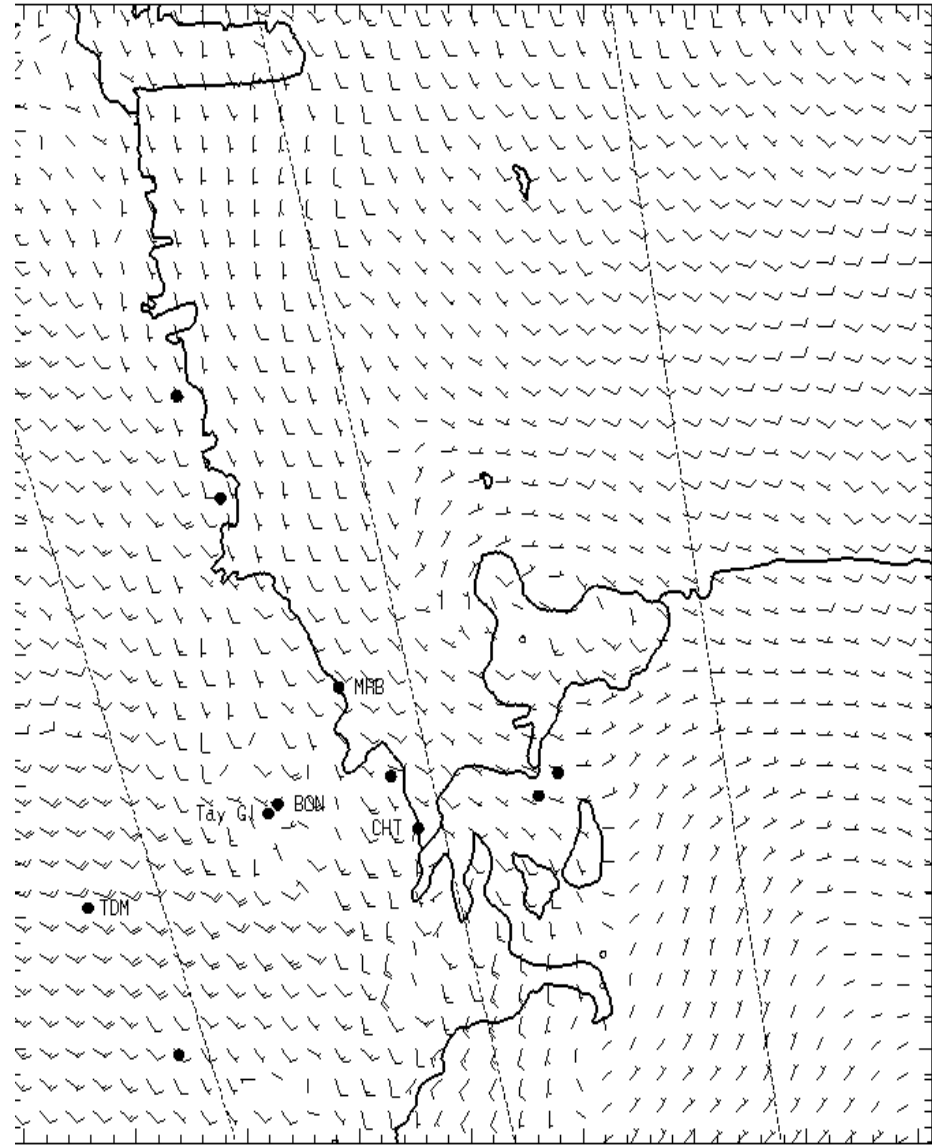


1300L

# 3,000 ft AGL

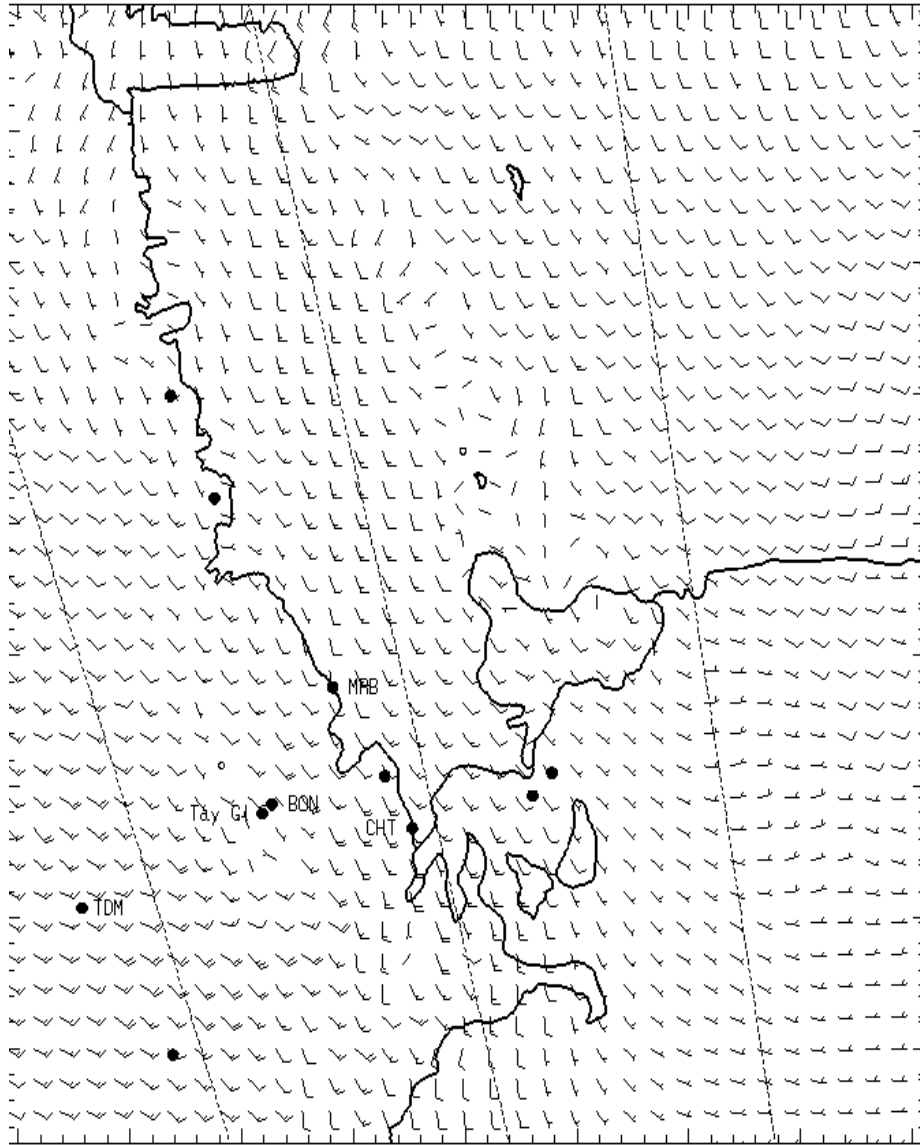


0700L

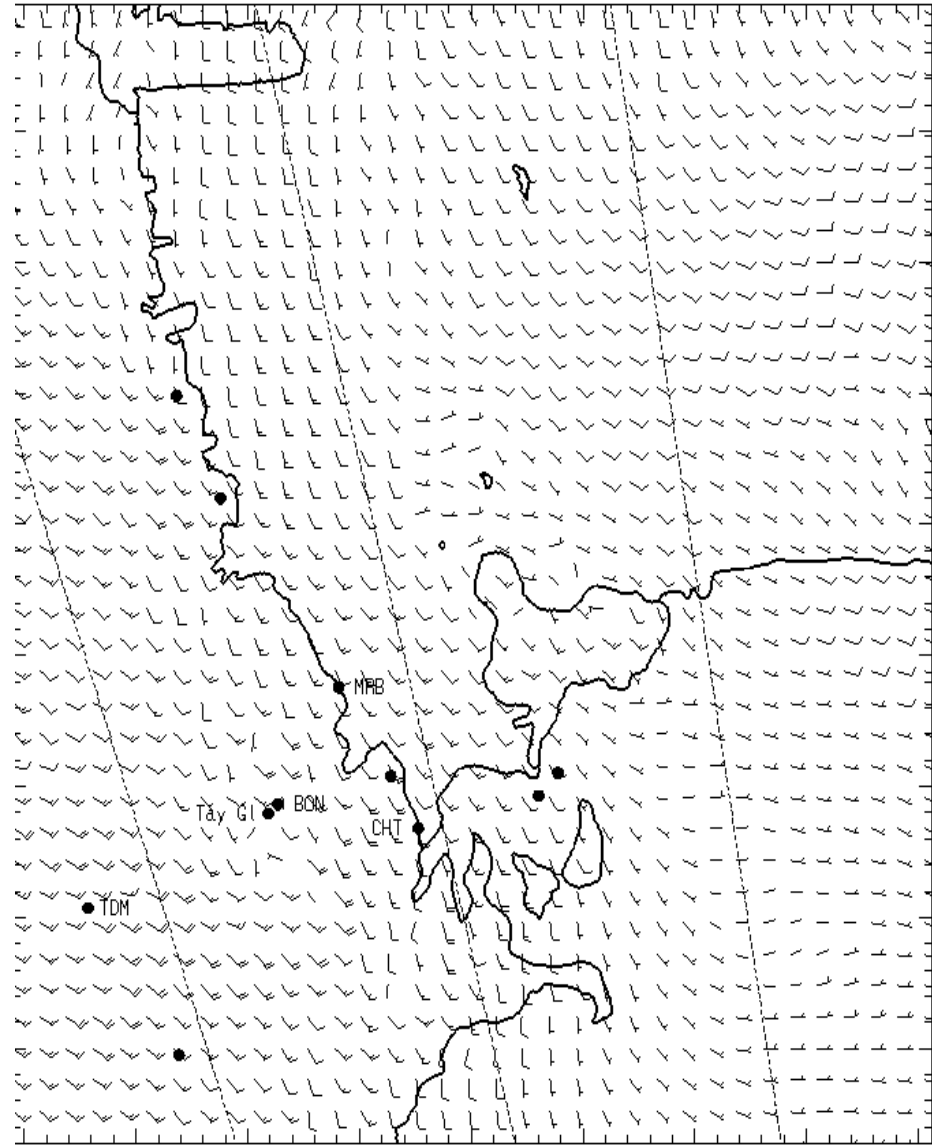


1300L

# 5,000 ft AGL



0700L



1300L