



# Helo Weather

Charleston ROF

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Date (L): Sat 11 December 2021

Brief Time (L): 0600

Briefing Number: 12-010

FCSTR: Paul Gulli

## REGIONAL SUMMARY

Deepening low pressure over the eastern Ross Ice Shelf is keeping a broad trough dragging through the local area, with a tight pressure gradient that has been causing intermittent gusty winds for the last day or so. This pattern is expected to continue today, but the low isn't moving much so the impacts remain essentially a "glancing blow" and inconsistent at best. What has been consistent is the upper level portion of the system, which as evidenced by wave clouds on satellite imagery is causing strong winds and turbulence atop Erebus and Terror.

## HAZARDS

Intermittent gusty winds will cause occasionally moderate turbulence over Hut Point Peninsula and McMurdo Sound today, while more consistently strong flow aloft will cause moderate to severe turbulence at the peaks of Erebus and Terror. Additionally, cloud layers created by damming against those upper peaks will also cause moderate rime icing upon approach.

## LATEST MCMURDO OBSERVATION

METAR NZCM 101555Z AUTO 09007KT 9999 BKN130 00/M17 A2858 RMK AO2 SLP681 T10031168 \$=

## RUNWAY TAFS

TAF NZFX 101456Z 1015/1115 (1104/1204NZDT) 24015G25KT 9999 DRSN BKN090 510003 QNH2857INS  
GRID05015G25KT

TEMPO 1015/1021 (1104/1110) VRB06KT

BECMG 1019/1021 (1108/1110) 19015G25KT 9999 DRSN SCT090 510003 QNH2858INS GRID36015G25KT

TEMPO 1021/1103 (1110/1116) VRB06KT

TAF NZWD 101456Z 1015/1115 (1104/1204NZDT) 19015G25KT 9999 BKN090 510003 QNH2856INS GRID36015G25KT

TEMPO 1015/1021 (1104/1110) VRB06KT

BECMG 1019/1021 (1108/1110) 18015G25KT 9999 SCT090 510003 QNH2857INS GRID35015G25KT

TEMPO 1021/1103 (1110/1116) VRB06KT

## MCMURDO HELIPAD FORECAST (VALID TIME: 11/0600L - 1800L)

**SFC WIND (TRUE):** 16012G20KT, OCNL 06009KT

**SFC VISIBILITY (SM):** UNRES

**SKY CONDITION (AGL):** SCT060 BKN100

**MIN ALSTG:** 28.56INS

**HAZARDS:** LGT-MOD TURBC SFC-100

**SITE & AREA FORECASTS (VALID TIME: 11/0600L - 1800L)**

**MARBLE POINT**

**SFC WIND (TRUE):** 16007KT, OCNL 20012G18KT

**SFC VISIBILITY (SM):** UNRES

**SKY CONDITION (AGL):** SCT060 BKN100

**MIN ALSTG:** 28.56INS

**HAZARDS:** NIL

**SCOTT BASE**

**SFC WIND (TRUE):** 06010KT, OCNL 16012G18KT

**SFC VISIBILITY (SM):** UNRES

**SKY CONDITION (AGL):** SCT060 BKN100

**MIN ALSTG:** 28.54INS

**HAZARDS:** LGT-MOD TURBC SFC-100

**MT. EREBUS PEAK (AREA FCST)**

**SFC WIND (TRUE):** 16027KT

**SFC VISIBILITY (SM):** NIL IN SN BLSN

**SKY CONDITION (AGL):** VV000

**MIN ALSTG:** 27.92INS

**HAZARDS:** SVR TURBC SFC-070

**MT TERROR**

**SFC WIND (TRUE):** 18033KT

**SFC VISIBILITY (SM):** NIL IN SN BLSN

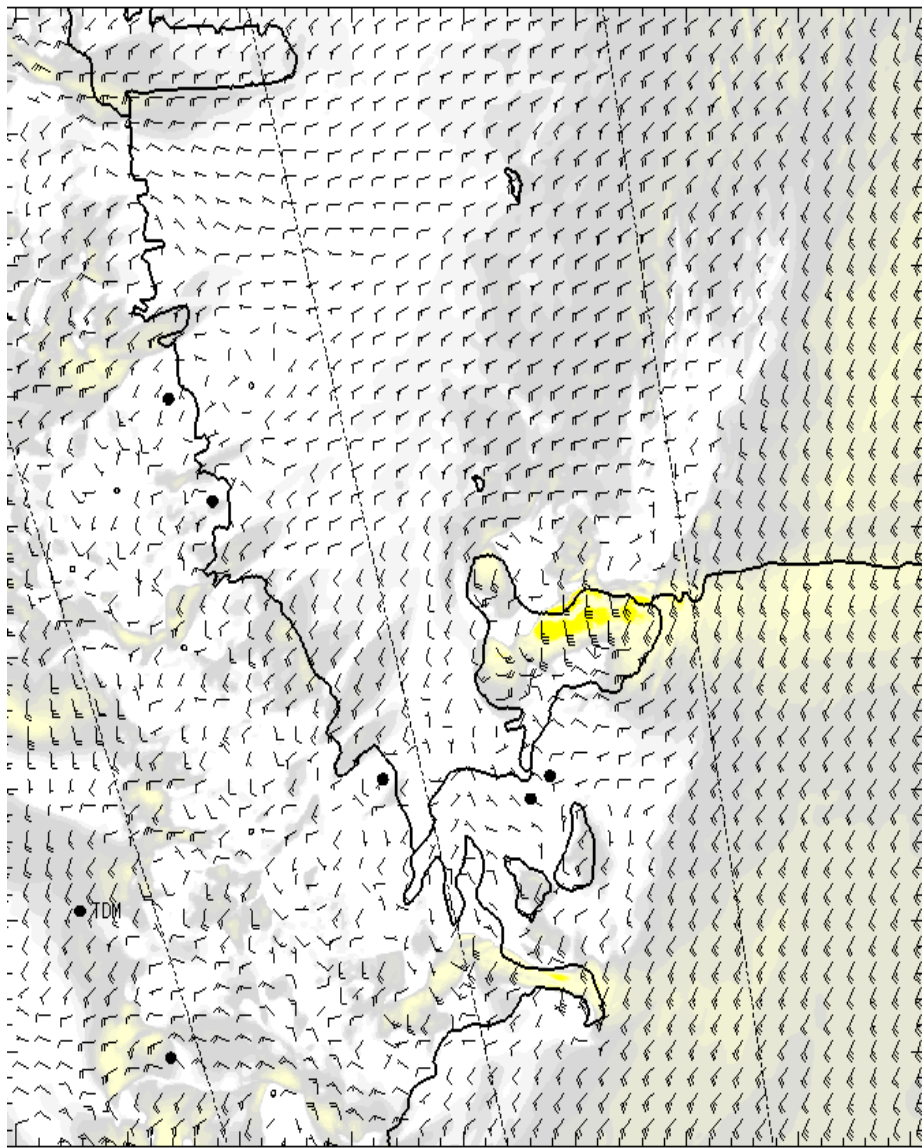
**SKY CONDITION (AGL):** VV000

**MIN ALSTG:** 27.92INS

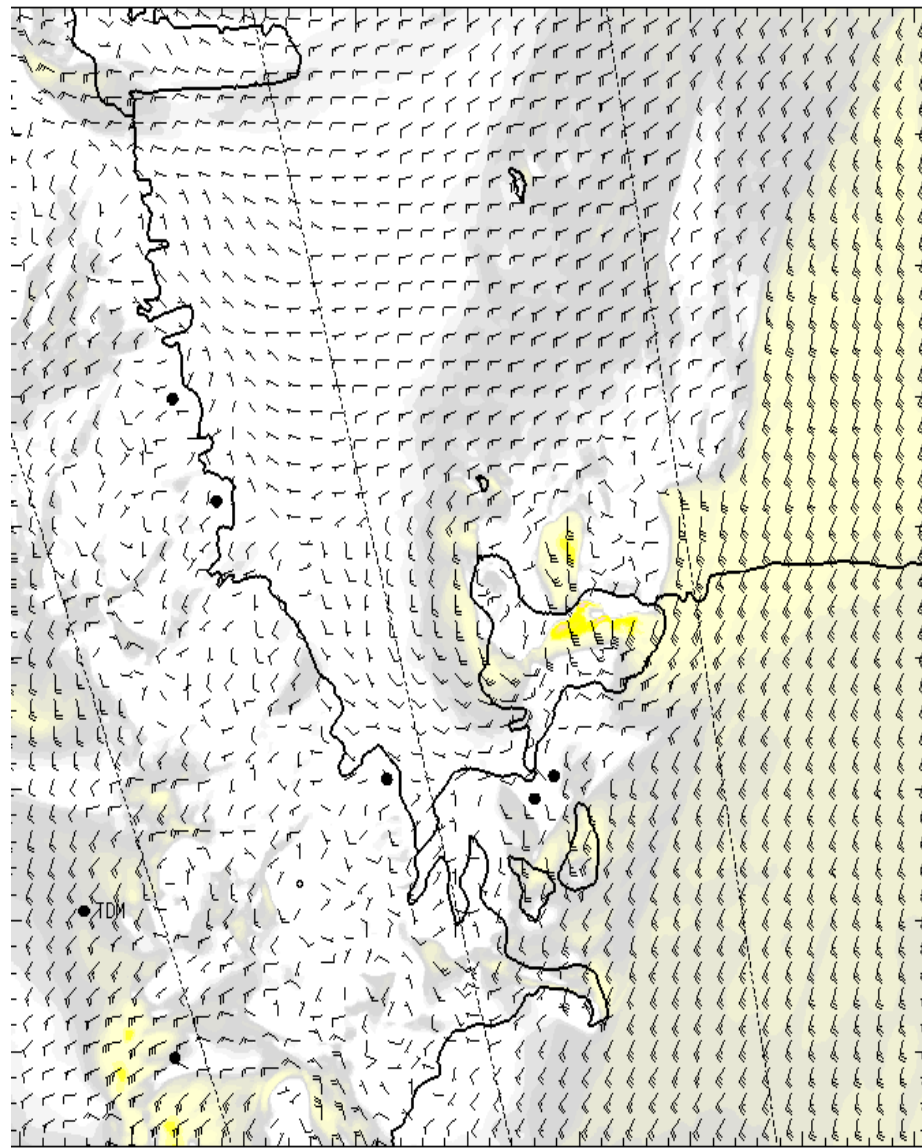
**HAZARDS:** SVR TURBC SFC-070

**NIGHT AREA OUTLOOKS (VALID TIME: 11/1800L - 11/0600L)**

# SFC

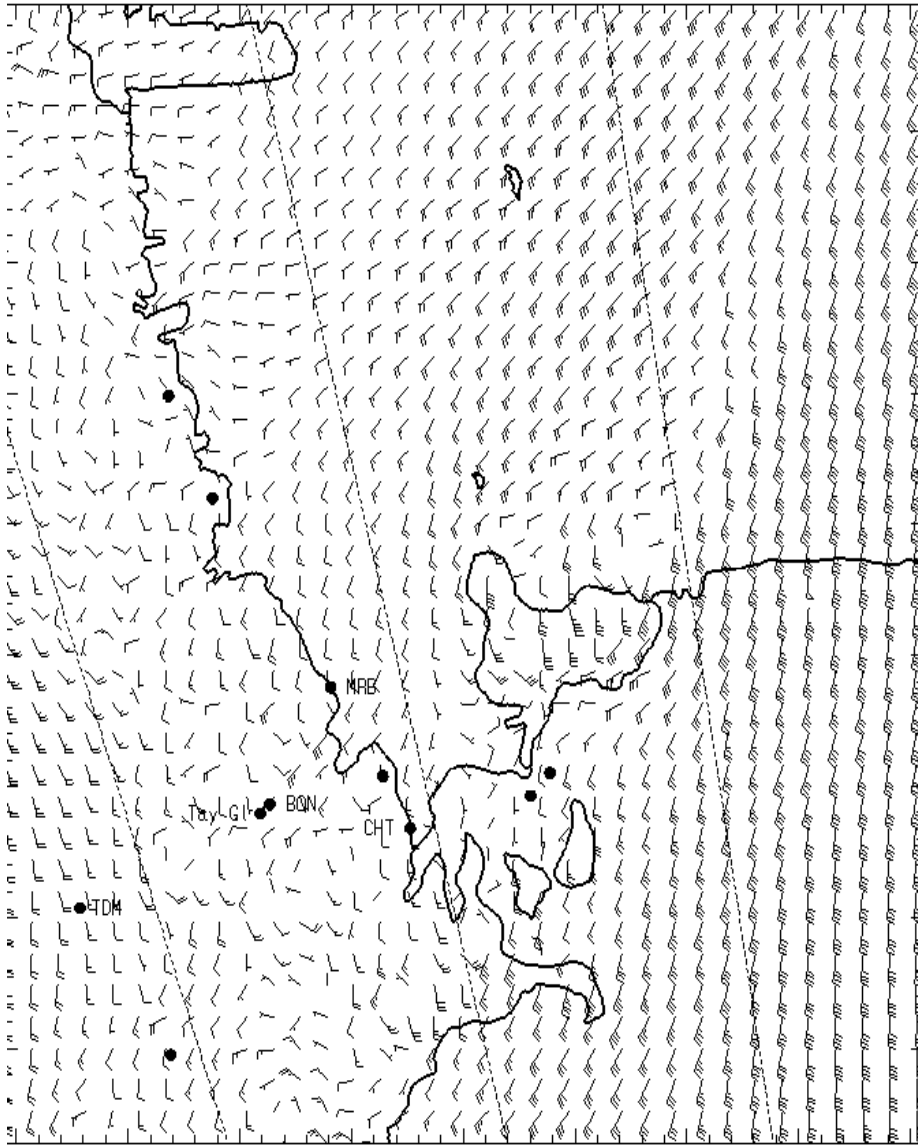


0700L

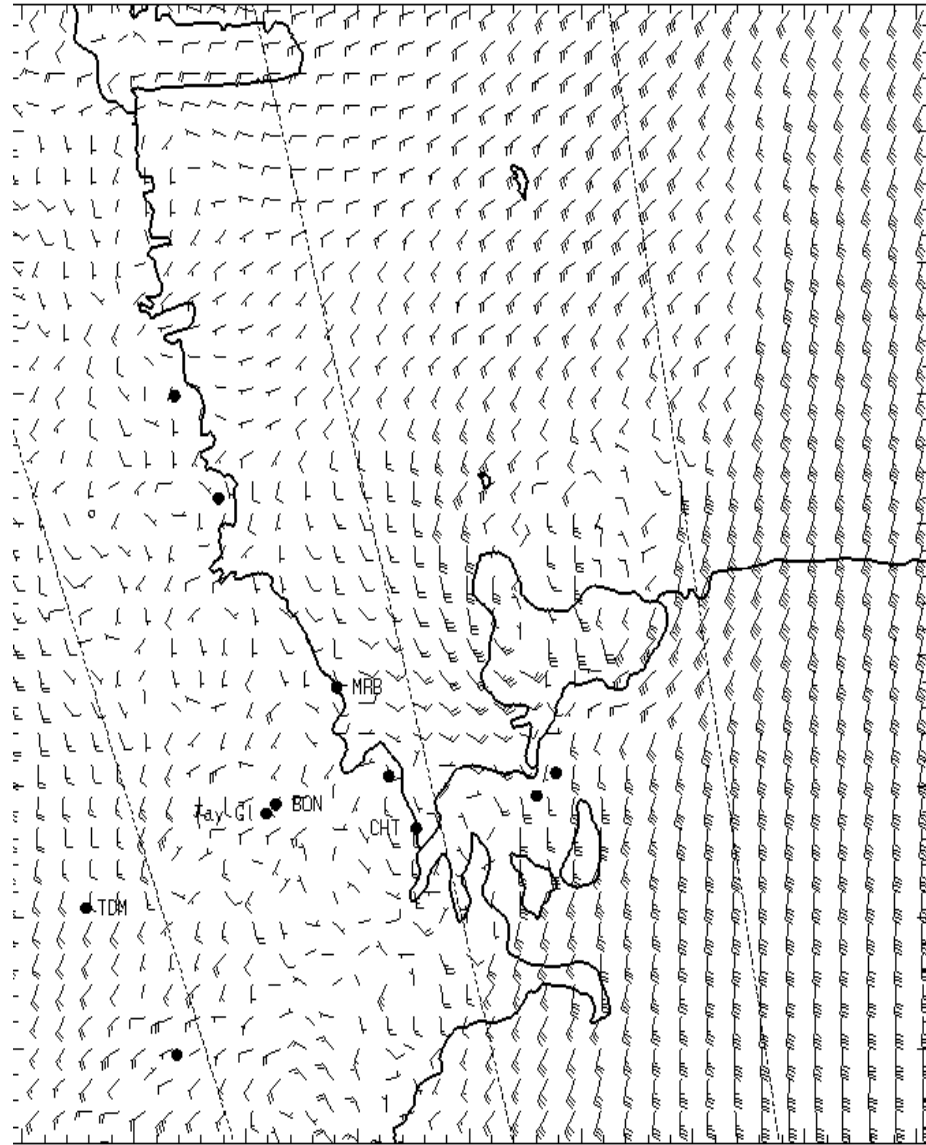


1300L

# 1,000 ft AGL

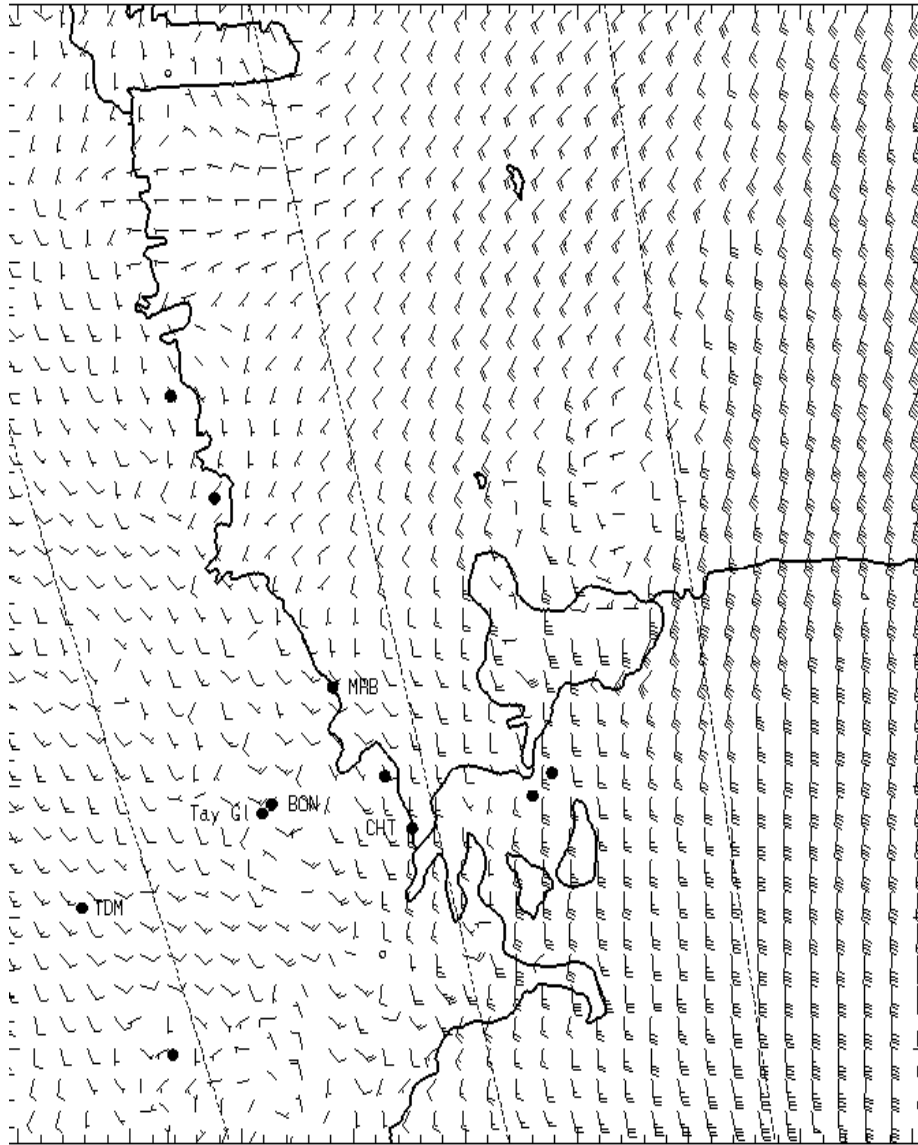


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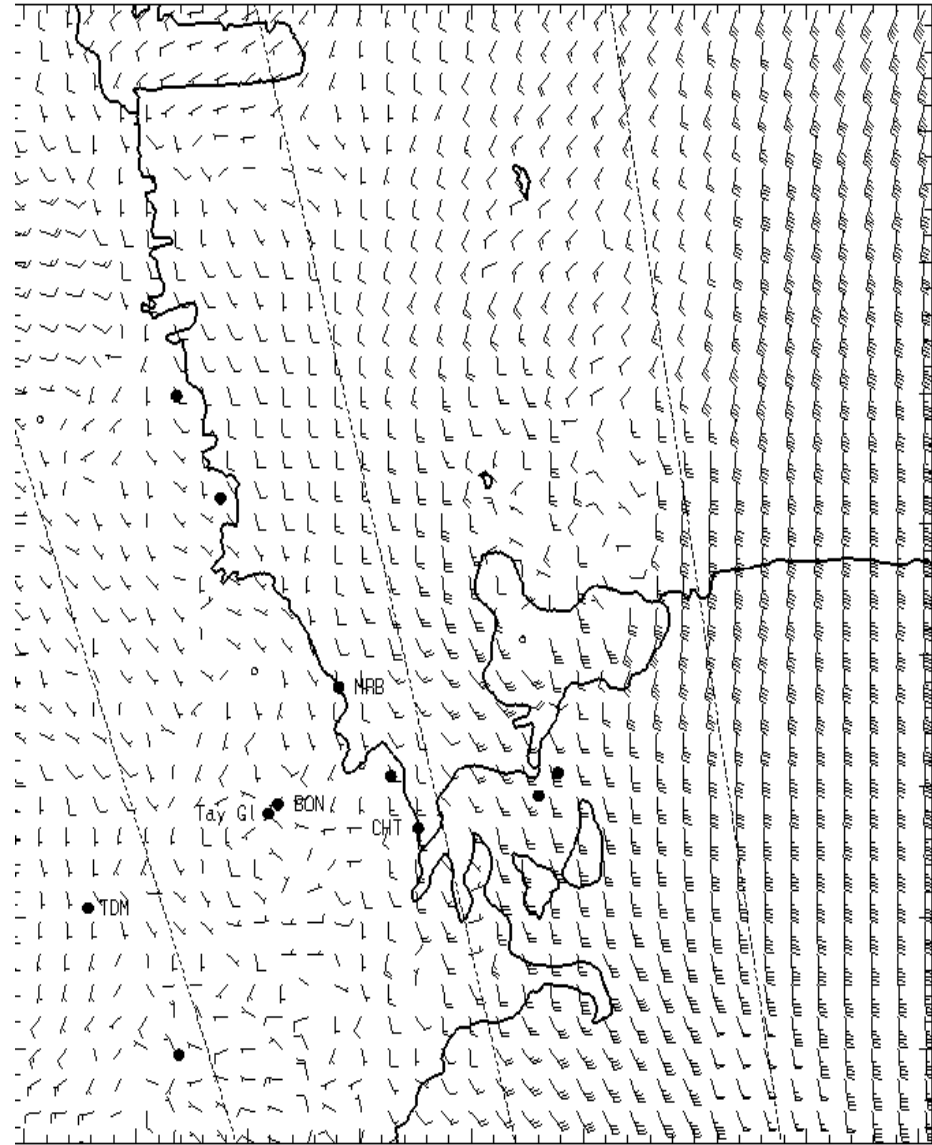


1300L

# 3,000 ft AGL

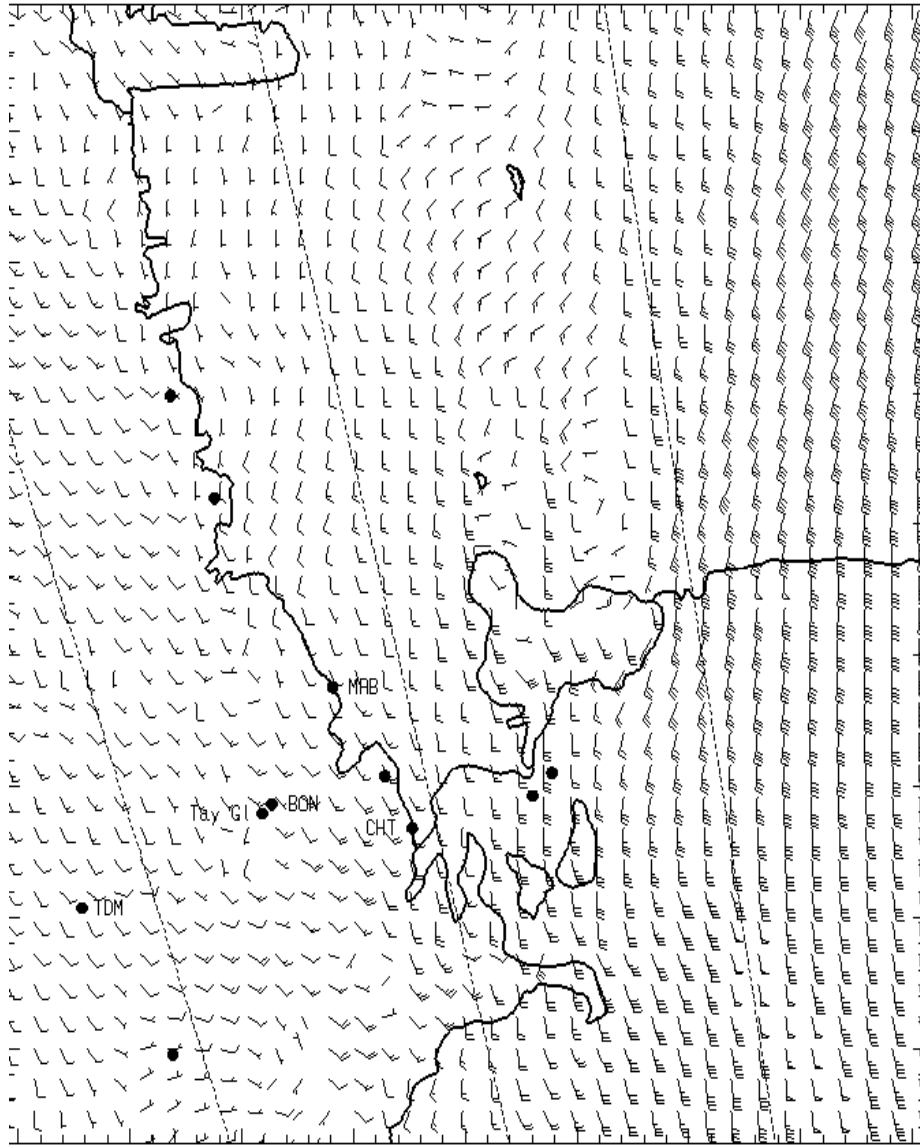


0700L

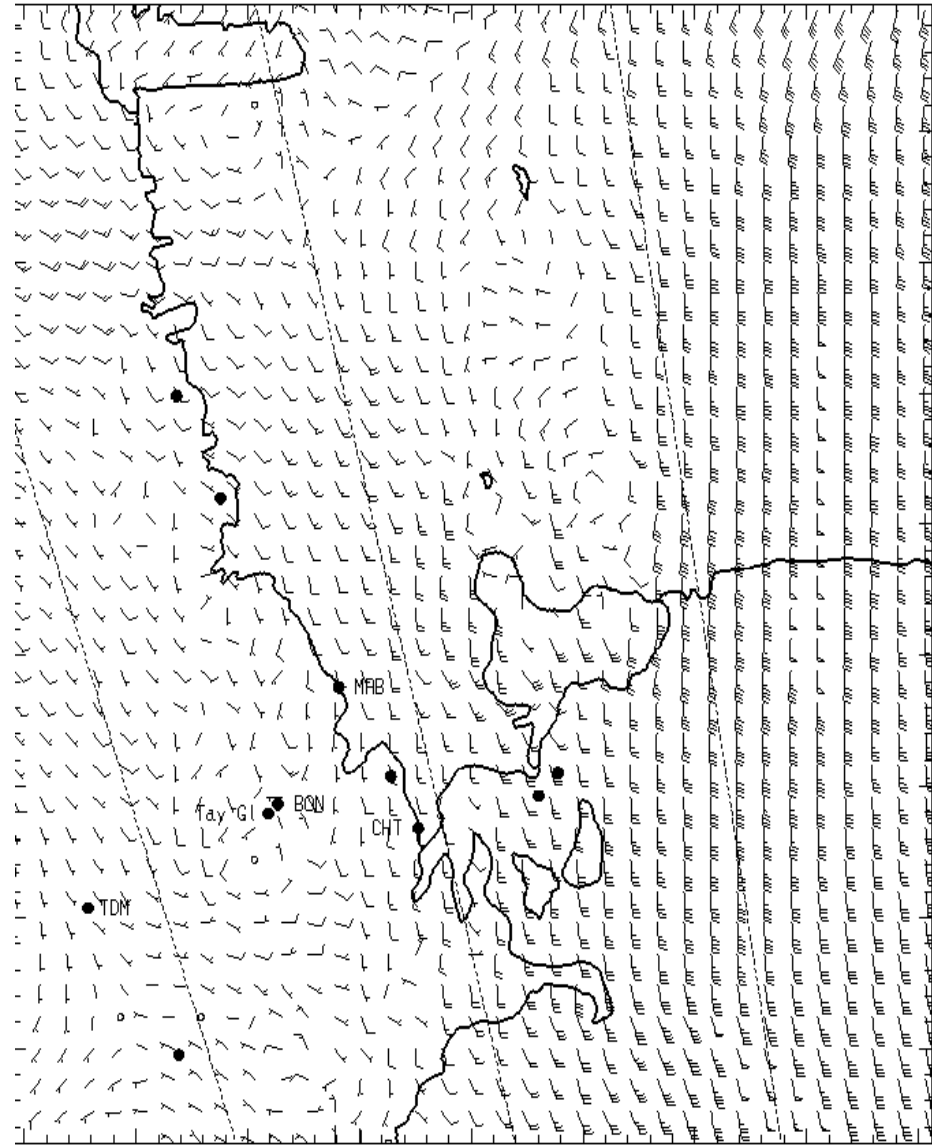


1300L

# 5,000 ft AGL



0700L



1300L