



# HELO Weather

**McMurdo Weather**  
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Duty Forecaster: x42524  
Briefing Counter: x43353

Date (L): Monday, 19 December 2022

Brief Time (L): 0615

Briefing Number: 12-16

FCSTR: Jeff Fournier

## REGIONAL SUMMARY

A weak high pressure ridge will be oriented north-south over the western Ross Sea Today. A small, weak low pressure system will develop south of Terra Nova Bay later this morning. Neither of these systems will move much during the next 24 hours. The flow generated by these features will be from the (true) NW, transporting plenty of moisture from the Ross Sea down McMurdo Sound and into the coastal regions of Ross Island and the airfields.

This shallow moisture layer will develop into areas of low cloud ceilings, with bases lower than 010 ft above MSL, and tops to 012 ft. Ceilings will initially develop in McMurdo Sound this morning and along the north and west coasts of Ross Island. They are then expected to spread downstream later in the day, so that they will likely be widespread by mid-afternoon. This morning, before these low ceilings materialize, areas of shallow fog are possible at the airfields and in McMurdo.

## HAZARDS

AREAS OF IFR VIS IN FG THIS MORNING, MAINLY AT AIRFIELDS AND IN MCMURDO AREA.

AREAS OF IFR CIGS DEVELOPING IN MCMURDO SOUND THIS MORNING, BECOMING WIDESPREAD ACROSS THE SOUND, THE AIRFIELDS, AND ALL COASTAL REGIONS OF ROSS ISLAND THIS AFTERNOON. AREAS OF IFR TO LOW-END MVFR VIS WILL ACCOMPANY CLOUD COVER IN BR AND/OR -SN.

LIGHT MIXED ICING IN CLOUD LAYER UP TO 012 FT ABOVE MSL.

## LATEST MCMURDO OBSERVATION

METAR ZCMA 181703Z AUTO 33010KT 300V080 9999 SKC M03/M06 A2903 RMK AO2 SLP836 GRID14010KT 110V250=

## RUNWAY TAFS

TAF NZFX 181456Z 1815/1915 (1904/2004NZDT) 31008KT 8000 BR SCT008 SCT060 QNH2904INS GRID12008KT  
BECMG 1817/1819 (1906/1908) 31006KT 3200 BR SCT002 SCT060 QNH2904INS GRID12006KT  
TEMPO 1821/1901 (1910/1914) 0800 FZFG VV001 610001  
BECMG 1823/1901 (1912/1914) 31005KT 3200 -SN BR SCT002 BKN008 610081 QNH2904INS GRID12005KT

TAF NZWD 181456Z 1815/1915 (1904/2004NZDT) 30008KT 8000 BR SCT008 SCT060 QNH2904INS GRID11008KT  
BECMG 1817/1819 (1906/1908) 30005KT 3200 BR SCT002 SCT060 QNH2904INS GRID11005KT  
TEMPO 1821/1901 (1910/1914) 1600 BR BKN002 610021  
BECMG 1823/1901 (1912/1914) 30005KT 3200 -SN BR BKN008 610081 QNH2906INS GRID11005KT

## MCMURDO HELIPAD FORECAST (VALID TIME: 19/0600L – 19/1800L)

**SFC WIND (TRUE):** 33008KT

**SFC VISIBILITY (SM):** 4-6 BR, TEMPO 1-3 10-14L; BECMG 2-4 -SN BR AFT 14L

**SKY CONDITION (AGL):** SCT008 SCT060, BECMG SCT002 BKN008 AFT 14L

**MIN ALSTG:** 2902INS

**HAZARDS:** LGT MIXED ICG IN CLOUD UP TO 012

**SITE & AREA FORECASTS (VALID TIME: 19/0600L – 19/1800L)**

**SCOTT BASE**

**SFC WIND (TRUE):** 33008KT  
**SFC VISIBILITY (SM):** 4-6 BR, TEMPO 1-3 10-14L; BECMG 2-4 –SN BR AFT 14L  
**SKY CONDITION (MSL):** SCT008 SCT060, BECMG SCT002 BKN008 AFT 14L  
**MIN ALSTG:** 2902INS  
**HAZARDS:** LGT MIXED ICG IN CLOUD UP TO 012

**MARBLE POINT**

**SFC WIND (TRUE):** 34006KT  
**SFC VISIBILITY (SM):** 4-6 BR, TEMPO 2-3 –SN BR AFT 15L  
**SKY CONDITION (MSL):** SCT008, TEMPO BKN008 AFT 15L  
**MIN ALSTG:** 2902INS  
**HAZARDS:** LGT MIXED ICG IN CLOUD UP TO 012 L

**MARBLE POINT BOREHOLE** (LOCATION UNCERTAIN; SEE MARBLE POINT ABOVE)

**GRANITE HARBOR**

**SFC WIND (TRUE):** 08007KT  
**SFC VISIBILITY (SM):** UNR, BECMG 1-3 BR AFT 15L  
**SKY CONDITION (MSL):** FEW010 FEW025 SCT075  
**MIN ALSTG:** 2900INS  
**HAZARDS:** MIXED ICG IN CLOUD UP TO 012

**BOTANY BAY**

**SFC WIND (TRUE):** 08007KT  
**SFC VISIBILITY (SM):** UNR, BECMG 1-3 BR AFT 15L  
**SKY CONDITION (MSL):** FEW010 FEW025 SCT075  
**MIN ALSTG:** 2900INS  
**HAZARDS:** LGT MIXED ICG IN CLOUD UP TO 012

**HAYSTACK MOUNTAIN**

**SFC WIND (TRUE):** VRB06KT  
**SFC VISIBILITY (SM):** UNR, TEMPO 4-6 BR AFT 12L  
**SKY CONDITION (MSL):** FEW010  
**MIN ALSTG:** 2890INS  
**HAZARDS:** NIL

**COMMONWEALTH GLACIER**

**SFC WIND (TRUE):** VRB06KT  
**SFC VISIBILITY (SM):** ½ - 2 FG, BECMG 3-5 BR AFT 13L  
**SKY CONDITION (MSL):** SCT005 SCT075  
**MIN ALSTG:** 2899INS  
**HAZARDS:** LGT MIXED ICG IN CLOUD UP TO 012

**LAKE HOARE**

**SFC WIND (TRUE):** 08007KT  
**SFC VISIBILITY (SM):** UNR, TEMPO  
**SKY CONDITION (MSL):** SCT010  
**MIN ALSTG:** 2898INS  
**HAZARDS:** NIL

**LAKE FRYXELL**

**SFC WIND (TRUE):** 09005KT

**SFC VISIBILITY (SM):** 4-6 BR, TEMPO 1-3 10-14L; BECMG 2-4 –SN BR AFT 14L

**SKY CONDITION (MSL):** SCT008 SCT060, BECMG SCT002 BKN008 AFT 14L

**MIN ALSTG:** 2903INS

**HAZARDS:** LGT MIXED ICG IN CLOUD UP TO 012

**EXPLORES COVE**

**SFC WIND (TRUE):** 04004KT

**SFC VISIBILITY (SM):** UNR, BECMG 4-6 AFT 12L, TEMPO 1-2 BR AFT 14L

**SKY CONDITION (MSL):** SCT008 SCT060, BECMG BKN008 AFT 12L

**MIN ALSTG:** 2892INS

**HAZARDS:** LGT MIXED ICG IN CLOUD UP TO 012

**HOOPERS SHOULDER**

**SFC WIND (TRUE):** VRB06KT

**SFC VISIBILITY (SM):** UNR, TEMPO 1-2 BR 12-15L

**SKY CONDITION (MSL):** SCT060, TEMPO BKM060 12-15L

**MIN ALSTG:** 2874INS

**HAZARDS:** TRACE RIME ICG IN CLOUD

**TURTLE ROCK**

**SFC WIND (TRUE):** 33015KT

**SFC VISIBILITY (SM):** 4-6 BR, TEMPO 1-3 10-14L; BECMG 2-4 –SN BR AFT 14L

**SKY CONDITION (MSL):** SCT008 SCT060, BECMG SCT002 BKN008 AFT 14L

**MIN ALSTG:** 2900INS

**HAZARDS:** LGT MIXED ICG IN CLOUD UP TO 012

**HUTTON CLIFFS**

**SFC WIND (TRUE):** 33012KT

**SFC VISIBILITY (SM):** 4-6 BR, TEMPO 1-3 10-14L; BECMG 2-4 –SN BR AFT 14L

**SKY CONDITION (MSL):** SCT008 SCT060, BECMG SCT002 BKN008 AFT 14L

**MIN ALSTG:** 2900INS

**HAZARDS:** LGT MIXED ICG IN CLOUD UP TO 012

**CAPE ROYDS**

**SFC WIND (TRUE):** 03010KT BECMG 35008KT AFT 09L

**SFC VISIBILITY (SM):** 4-6 BR, BECMG ½ -2 FG AFT 09L

**SKY CONDITION (MSL):** SCT008 SCT060, BECMG SCT002 BKN008 AFT 12L

**MIN ALSTG:** 2900INS

**HAZARDS:** LGT MIXED ICG IN CLOUD UP TO 012

**PYRAMID TROUGH**

**SFC WIND (TRUE):** 08006KT

**SFC VISIBILITY (SM):** 4-6 BR, TEMPO 1-3 10-14L; BECMG 2-4 –SN BR AFT 14L

**SKY CONDITION (MSL):** SCT008 SCT060, BECMG SCT002 BKN008 AFT 14L

**MIN ALSTG:** 2891INS

**HAZARDS:** LGT MIXED ICG IN CLOUD UP TO 012

**NIGHT AREA OUTLOOKS (VALID TIME: 19/1800L – 20/0600L)**

**LAURIE II**

**SFC WIND (TRUE):** VRB06KT

**SFC VISIBILITY (SM):** ½ - 2 IN FG

**SKY CONDITION (MSL):** SCT000 SCT060

**MIN ALSTG:** 2902

**HAZARDS:** LGT MIXED ICG IN CLOUD UP TO 012

**WINDLESS BIGHT**

**SFC WIND (TRUE):** VRB06KT

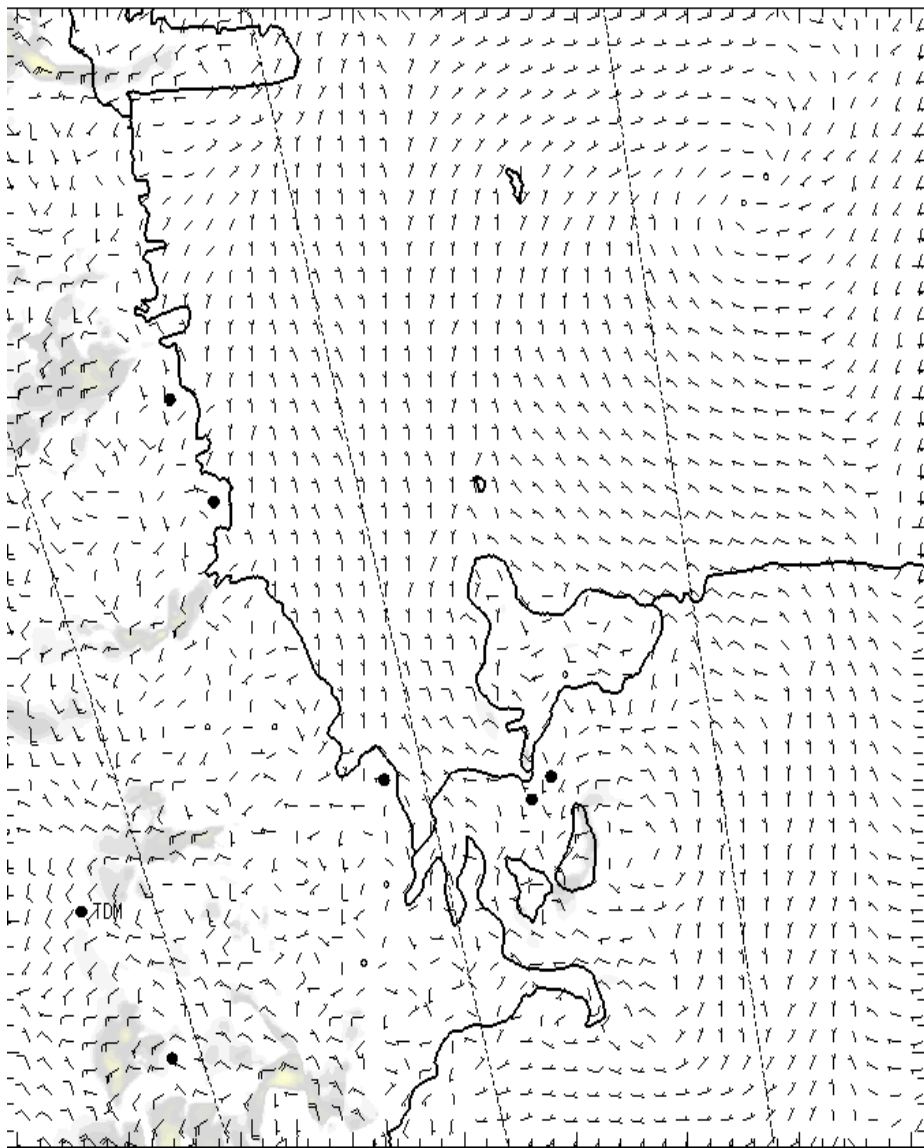
**SFC VISIBILITY (SM):** UNR

**SKY CONDITION (MSL):** FEW010 SCT-BKN060

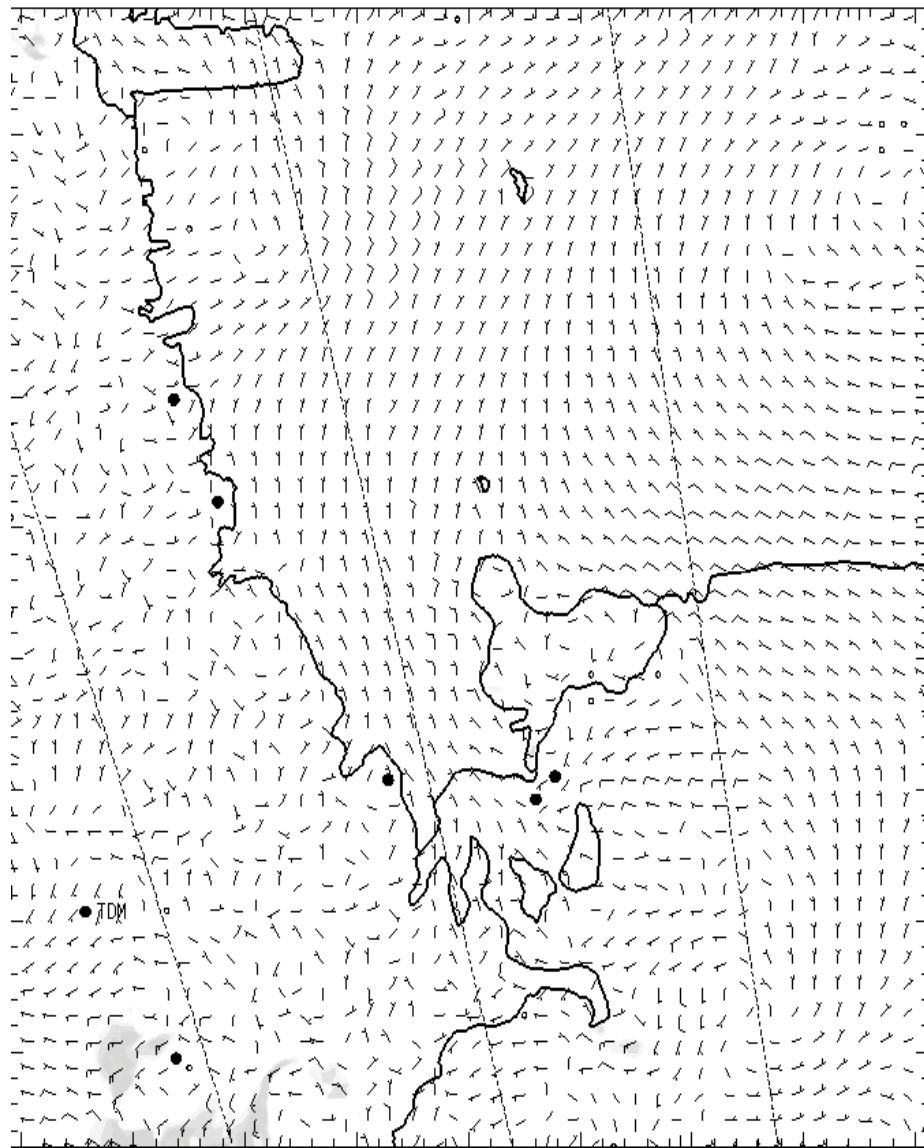
**MIN ALSTG:** 2892INS

**HAZARDS:** NIL

# SFC

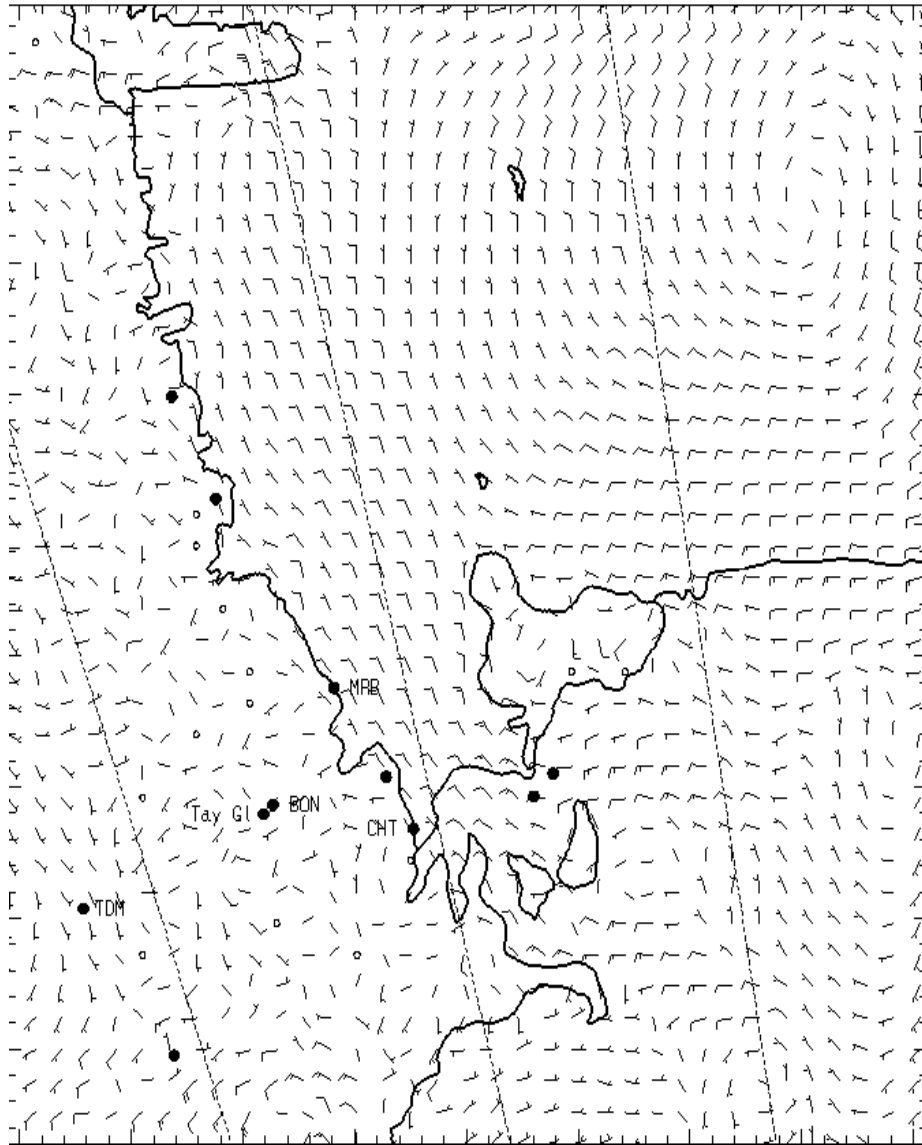


0700L

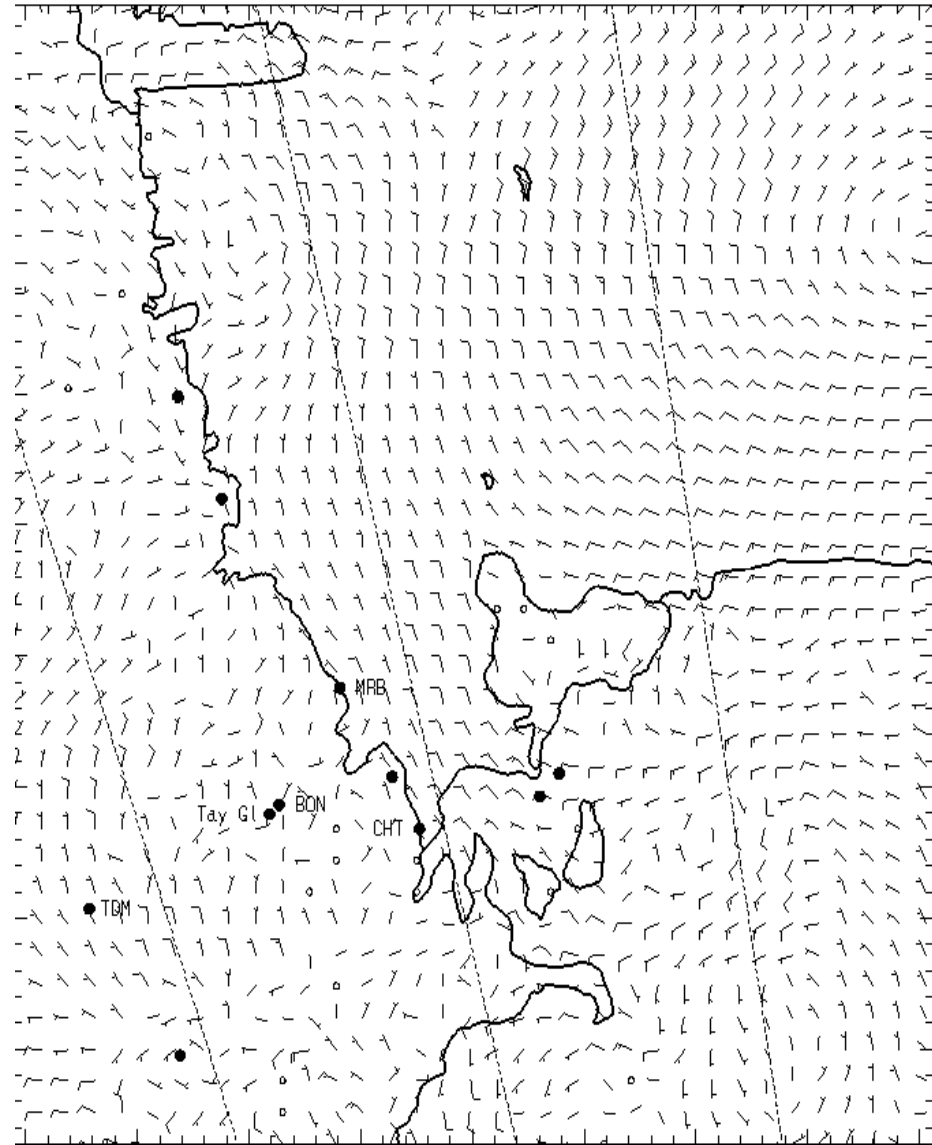


1300L

# 1,000 ft AGL

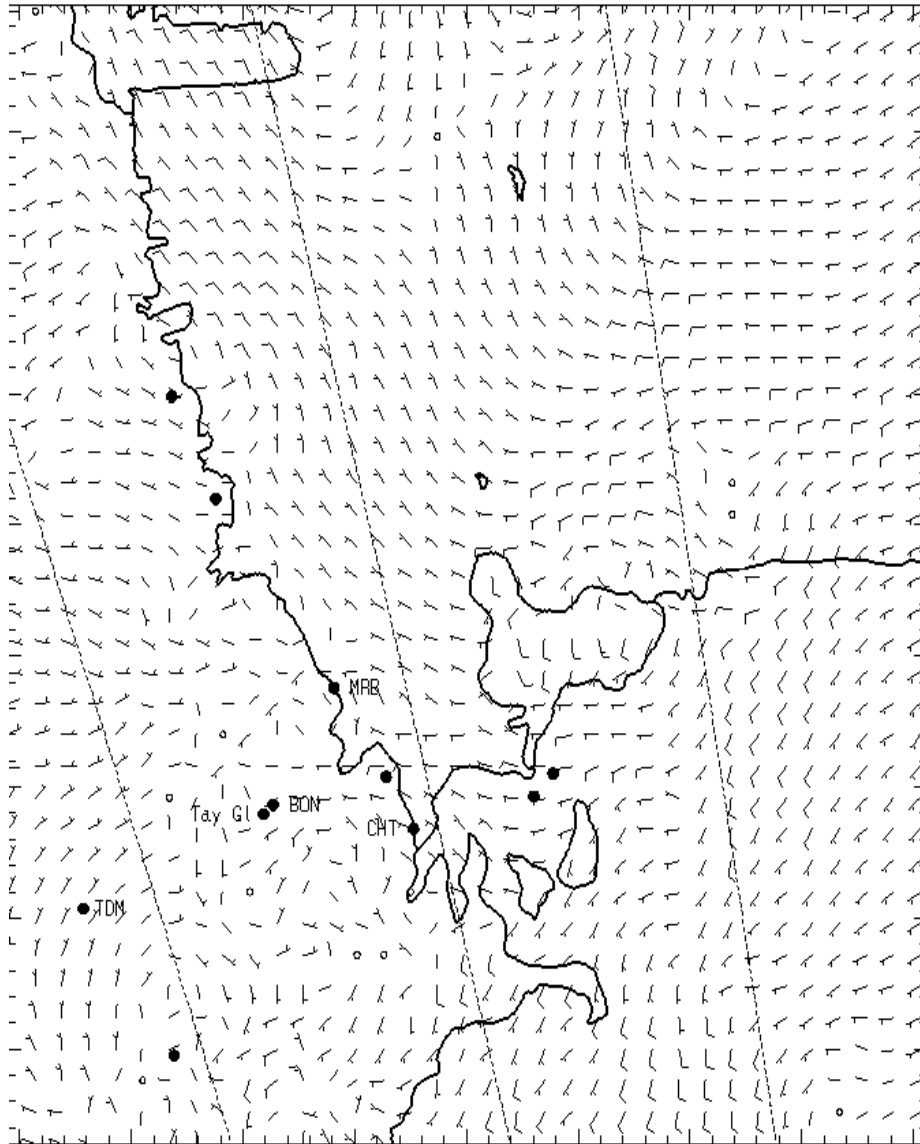


0700L

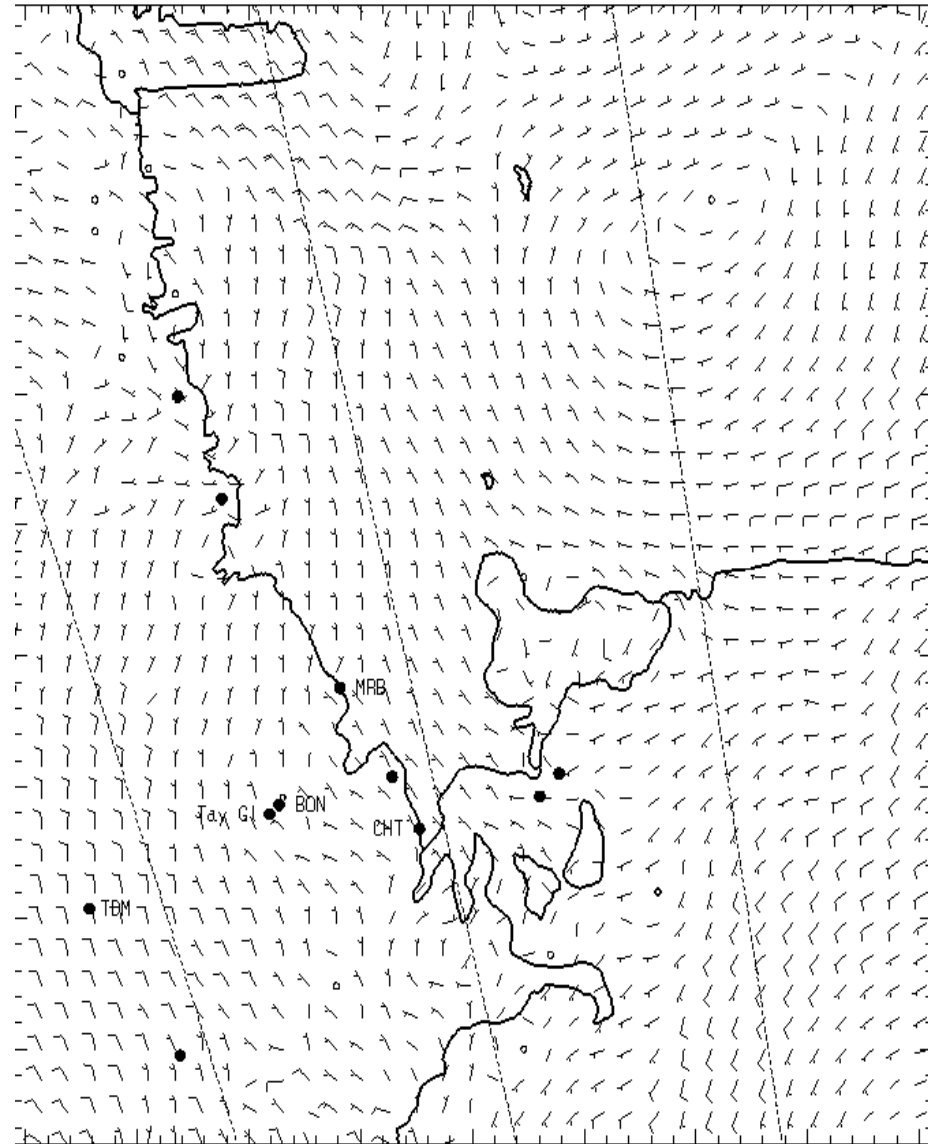


1300L

# 3,000 ft AGL

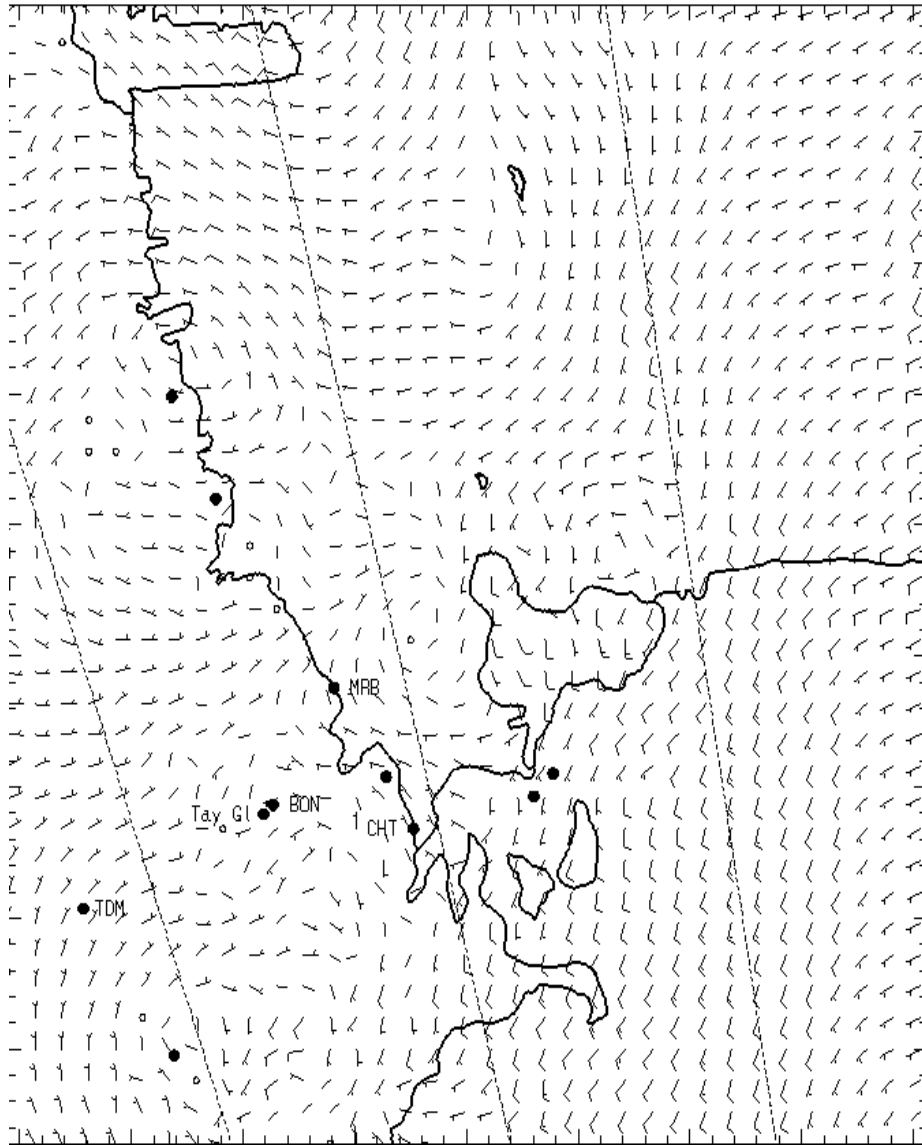


0700L

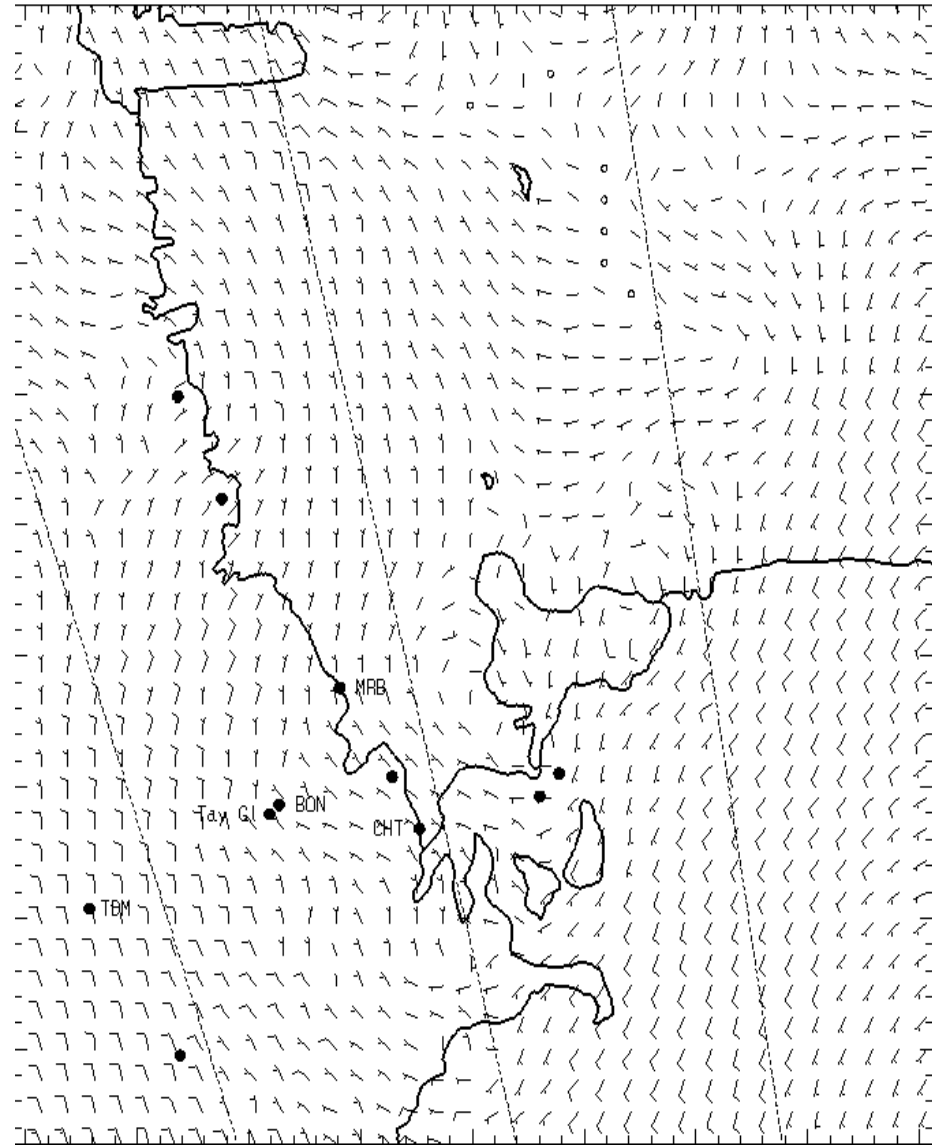


1300L

# 5,000 ft AGL



0700L



1300L