



# HELO Weather

**McMurdo Weather**  
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Iridium: 00 8816 7632 0030  
Duty Forecaster: x42524  
Briefing Counter: x43353

Date (L): Tuesday, 20 December 2022

Brief Time (L): 0615

Briefing Number: 12-17

FCSTR: Jeff Fournier

## REGIONAL SUMMARY

A similar weather pattern to yesterday afternoon is expected today, with a weak, north-south oriented high pressure ridge north of Ross Island helping to generate light NW winds across much of the Ross Island region. These winds will continue to transport moisture in the low levels from the Ross Sea, across and through McMurdo Sound, and into the airfields and along nearly the entire coast of Ross Island. For much of today, cloud ceilings will be MVFR, generally 1.5k to 2k ft above MSL. A more significant wave of moisture is expected to bring more widespread lower ceilings, as well as areas of fog and light snow, to the region later this evening.

## HAZARDS

ISOLATED IFR CEILINGS THIS MORNING, INCREASING TO AREAS THIS AFTERNOON, ESPECIALLY OVER MCMURDO SOUND AND ALONG THE ROSS ISLAND COASTS.

ISOLATED IFR VISIBILITY IN -SN/BR, MAINLY OVER MCMURDO SOUND AND ALONG THE ROSS ISLAND COASTS.

WIDESPREAD TRACE ICING IN CLOUDS TODAY.

## LATEST MCMURDO OBSERVATION

METAR ZCMA 191654Z AUTO 30008KT 9999 OVC017 M03/M06 A2902 RMK AO2 SLP830 GRID11008KT=

## RUNWAY TAFS

TAF NZFX 191459Z 1915/2015 (2004/2104NZDT) VRB06KT 9999 SCT008 BKN015 600151 QNH2902INS

TEMPO 2000/2006 (2013/2019) BKN008 600081

BECMG 2004/2006 (2017/2019) VRB05KT 9999 BKN008 600081 QNH2901INS

BECMG 2010/2012 (2023/2101) VRB04KT 8000 -SN BR SCT002 BKN006 600062 QNH2901INS

TAF NZWD 191459Z 1915/2015 (2004/2104NZDT) VRB05KT 9999 SCT008 BKN015 600151 QNH2902INS

TEMPO 2000/2006 (2013/2019) BKN008 600081

BECMG 2004/2006 (2017/2019) VRB05KT 9999 BKN008 600081 QNH2901INS

BECMG 2010/2012 (2023/2101) VRB04KT 8000 -SN BR SCT002 BKN006 600062 QNH2902INS

## MCMURDO HELIPAD FORECAST (VALID TIME: 20/0600L – 20/1800L)

**SFC WIND (TRUE):** VRB06KT

**SFC VISIBILITY (SM):** UNR

**SKY CONDITION (MSL):** BKN015, TEMPO BKN008 AFT 13L

**MIN ALSTG:** 2899INS

**HAZARDS:** TRACE ICING IN CLOUD

**SITE & AREA FORECASTS (VALID TIME: 20/0600L – 20/1800L)**

**SCOTT BASE**

**SFC WIND (TRUE):** VRB06KT  
**SFC VISIBILITY (SM):** UNR  
**SKY CONDITION (MSL):** BKN015, TEMPO BKN008 AFT 13L  
**MIN ALSTG:** 2899INS  
**HAZARDS:** TRACE ICING IN CLOUD

**MARBLE POINT**

**SFC WIND (TRUE):** 27007KT  
**SFC VISIBILITY (SM):** UNR  
**SKY CONDITION (MSL):** BKN015, TEMPO BKN008 AFT 13L  
**MIN ALSTG:** 2900INS  
**HAZARDS:** TRACE ICING IN CLOUD

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

**MT NEWALL**

**SFC WIND (TRUE):** 30006KT  
**SFC VISIBILITY (SM):** 1-2 BR –SN, OCNL ½  
**SKY CONDITION (MSL):** SCT008 BKN015  
**MIN ALSTG:** 2868INS  
**HAZARDS:** TRACE ICING

**BOTANY BAY**

**SFC WIND (TRUE):** VRB06KT  
**SFC VISIBILITY (SM):** UNR, TEMPO 2-4 BR 08-13L  
**SKY CONDITION (MSL):** SCT010  
**MIN ALSTG:** 2896INS  
**HAZARDS:** TRACE ICING

**HAYSTACK MOUNTAIN**

**SFC WIND (TRUE):** 35009KT  
**SFC VISIBILITY (SM):** UNR, TEMPO 2-4 BR  
**SKY CONDITION (MSL):** SCT008, TEMPO BKN008  
**MIN ALSTG:** 2888INS  
**HAZARDS:** TRACE ICING IN CLOUD

**HOWARD GLACIER**

**SFC WIND (TRUE):** VRB04KT  
**SFC VISIBILITY (SM):** UNR, OCNL 2-3 BR  
**SKY CONDITION (MSL):** SCT008 BKN015  
**MIN ALSTG:** 2896INS  
**HAZARDS:** TRACE ICING IN CLOUD

**LAKE HOARE**

**SFC WIND (TRUE):** VRB06KT  
**SFC VISIBILITY (SM):** UNR  
**SKY CONDITION (MSL):** SCT050 AFT12L  
**MIN ALSTG:** 2895INS  
**HAZARDS:** NIL

**LAKE FRYXELL**

**SFC WIND (TRUE):** VRB06KT, BECMG 03012KT AFT 13L

**SFC VISIBILITY (SM):** UNR, TEMPO 3-5 BR AFT 12L

**SKY CONDITION (MSL):** SCT008

**MIN ALSTG:** 2900INS

**HAZARDS:** NIL

**LAKE BONNEY**

**SFC WIND (TRUE):** 04008KT

**SFC VISIBILITY (SM):** UNR

**SKY CONDITION (MSL):** FEW070

**MIN ALSTG:** 2893INS

**HAZARDS:** NIL

**WLLB**

**SFC WIND (TRUE):** VRB06KT

**SFC VISIBILITY (SM):** UNR

**SKY CONDITION (MSL):** SCT060

**MIN ALSTG:** 2893

**HAZARDS:** NIL

**ELLB**

**SFC WIND (TRUE):** VRB06KT

**SFC VISIBILITY (SM):** UNR

**SKY CONDITION (MSL):** SCT060

**MIN ALSTG:** 2893

**HAZARDS:** NIL

**F6**

**SFC WIND (TRUE):** 04007KT, BECMG 08012KT AFT 16L

**SFC VISIBILITY (SM):** UNR, VC BR

**SKY CONDITION (MSL):** SCT008

**MIN ALSTG:** 2899INS

**HAZARDS:** NIL

**MIERS VALLEY**

**SFC WIND (TRUE):** 09008KT

**SFC VISIBILITY (SM):** UNR - VC BR, TEMPO 3-5 BR AFT 14L

**SKY CONDITION (MSL):** SCT008, BECMG BKN-OVC008 AFT 15L

**MIN ALSTG:** 2889INS

**HAZARDS:** TRACE ICING IN CLOUD

**HOOPERS SHOULDER**

**SFC WIND (TRUE):** 35013KT

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

**SKY CONDITION (MSL):** SCT060 SCT100

**MIN ALSTG:** 2859INS

**HAZARDS:** NIL

**TURTLE ROCK**

**SFC WIND (TRUE):** 29008KT  
**SFC VISIBILITY (SM):** UNR, TEMPO 4-6 BR  
**SKY CONDITION (MSL):** SCT008 BKN015, TEMPO BKN008 AFT 13L  
**MIN ALSTG:** 2898INS  
**HAZARDS:** TRACE ICING IN CLOUD

**HUTTON CLIFFS**

**SFC WIND (TRUE):** 29008KT  
**SFC VISIBILITY (SM):** UNR, TEMPO 4-6 BR  
**SKY CONDITION (MSL):** SCT008 BKN015, TEMPO BKN008 AFT 13L  
**MIN ALSTG:** 2898INS  
**HAZARDS:** TRACE ICING IN CLOUD

**CAPE ROYDS**

**SFC WIND (TRUE):** 35010KT  
**SFC VISIBILITY (SM):** UNR, TEMPO 2-4 –SN BR AFT 13L  
**SKY CONDITION (MSL):** SCT008 BKN012, BECMG BKN008 AFT 13L  
**MIN ALSTG:** 2898INS  
**HAZARDS:** TARCE ICING IN CLOUD

**MINNA BLUFF**

**SFC WIND (TRUE):** 34013KT  
**SFC VISIBILITY (SM):** UNR  
**SKY CONDITION (MSL):** BKN008 BKN100, TEMPO SCT013 AFT 15L  
**MIN ALSTG:** 2880INS  
**HAZARDS:** TRACE ICING IN CLOUD

**CAPE REYNOLDS**

**SFC WIND (TRUE):** VRB06KT  
**SFC VISIBILITY (SM):** UNR  
**SKY CONDITION (MSL):** FEW020  
**MIN ALSTG:** 2900INS  
**HAZARDS:** NIL

**NIGHT AREA OUTLOOKS (VALID TIME: 20/1800L – 21/0600L)**

**LAURIE II**

**SFC WIND (TRUE):** 34009KT  
**SFC VISIBILITY (SM):** 3-5 –SN BR, OCNL 1-2  
**SKY CONDITION (MSL):** SCT005 BKN008, OCNL BKN005  
**MIN ALSTG:** 2898INS  
**HAZARDS:** TRACE ICING IN CLOUD

**WINDLESS BIGHT**

**SFC WIND (TRUE):** VRB04KT  
**SFC VISIBILITY (SM):** UNR  
**SKY CONDITION (MSL):** BKN008  
**MIN ALSTG:** 2902INS  
**HAZARDS:** TRACE ICING IN CLOUD

**HOOPERS SHOULDER**

**SFC WIND (TRUE):** 010010KT

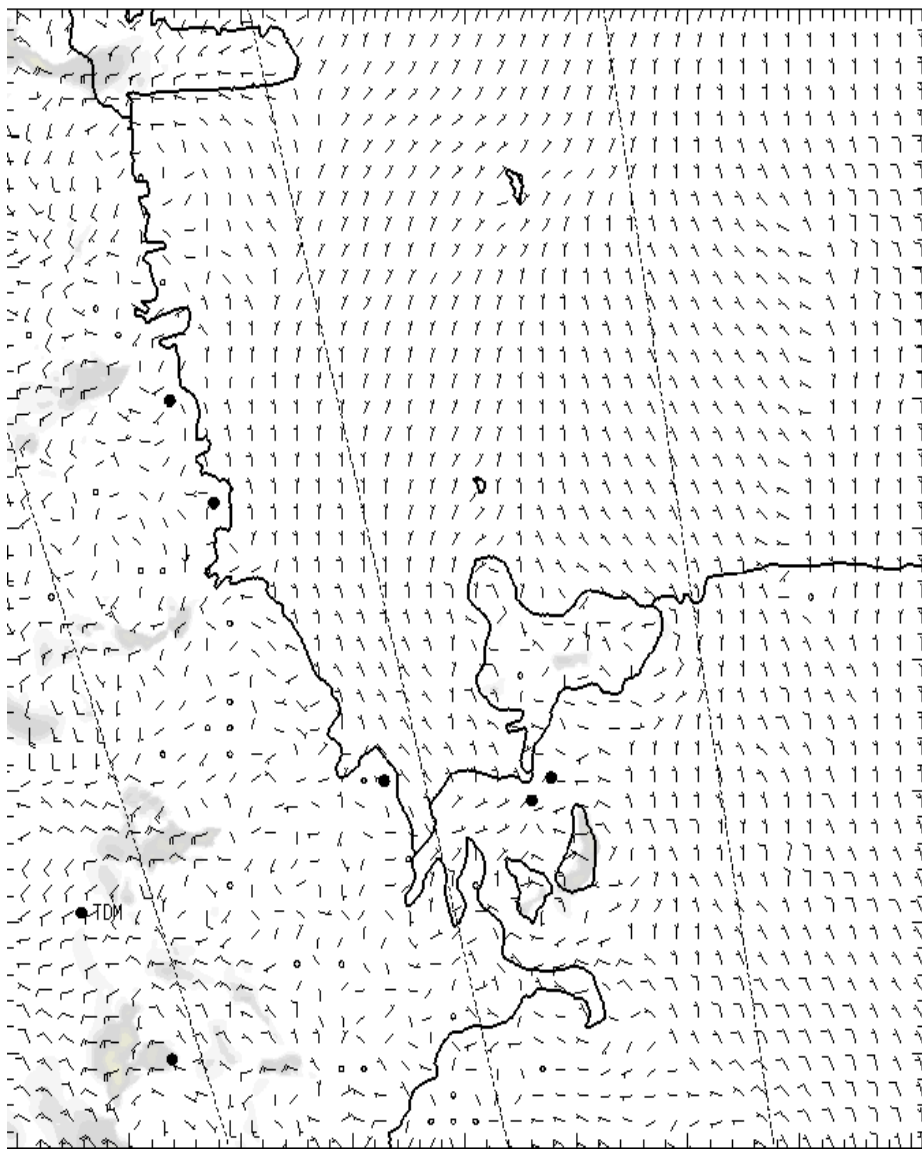
**SFC VISIBILITY (SM):** UNR

**SKY CONDITION (MSL):** SCT100

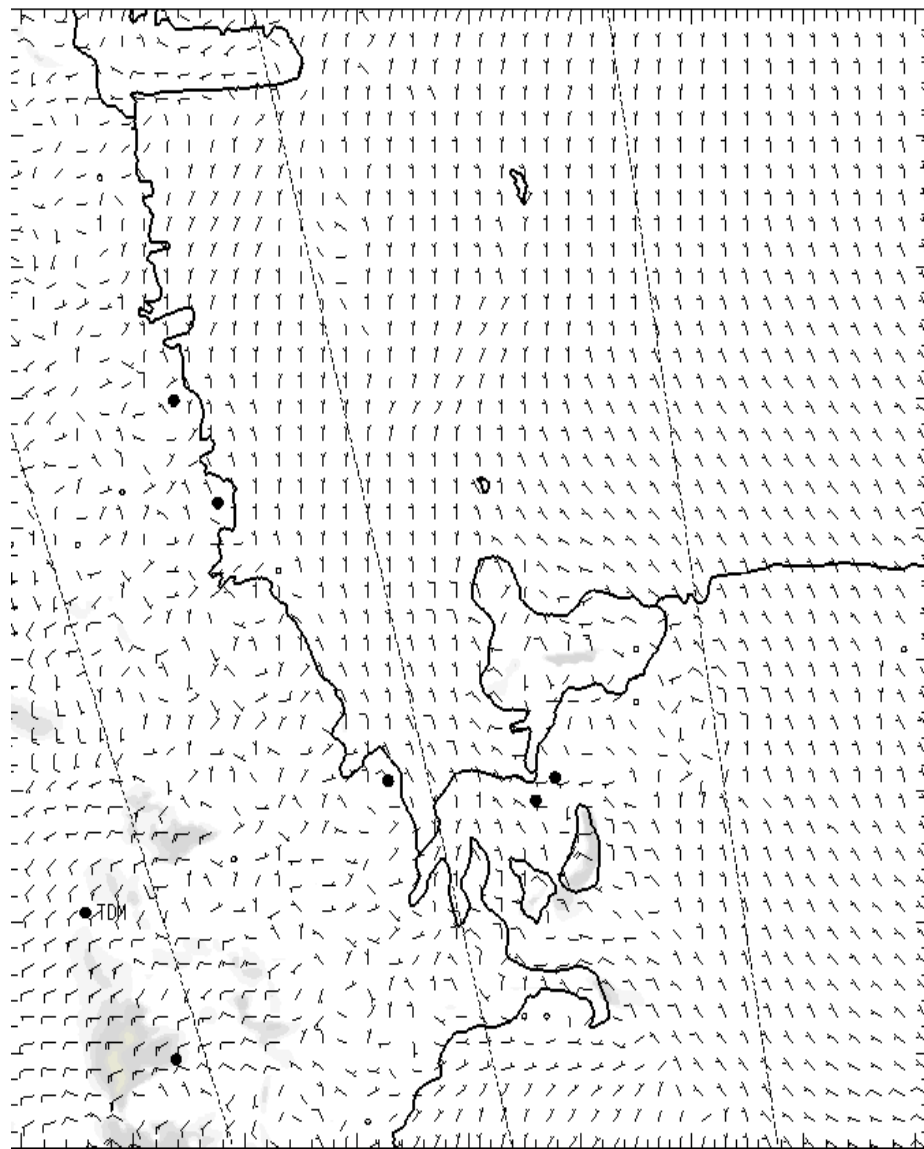
**MIN ALSTG:** 2859INS

**HAZARDS:** NIL

# SFC

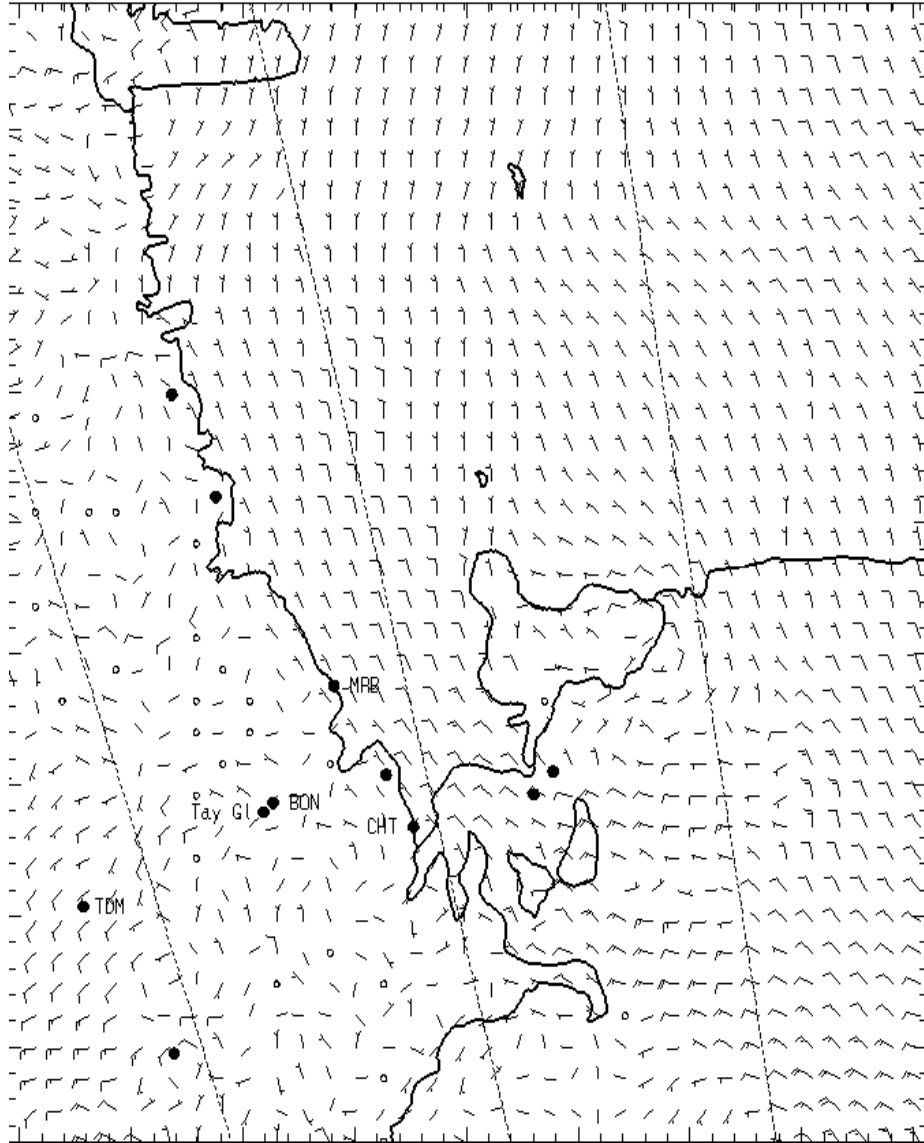


0700L

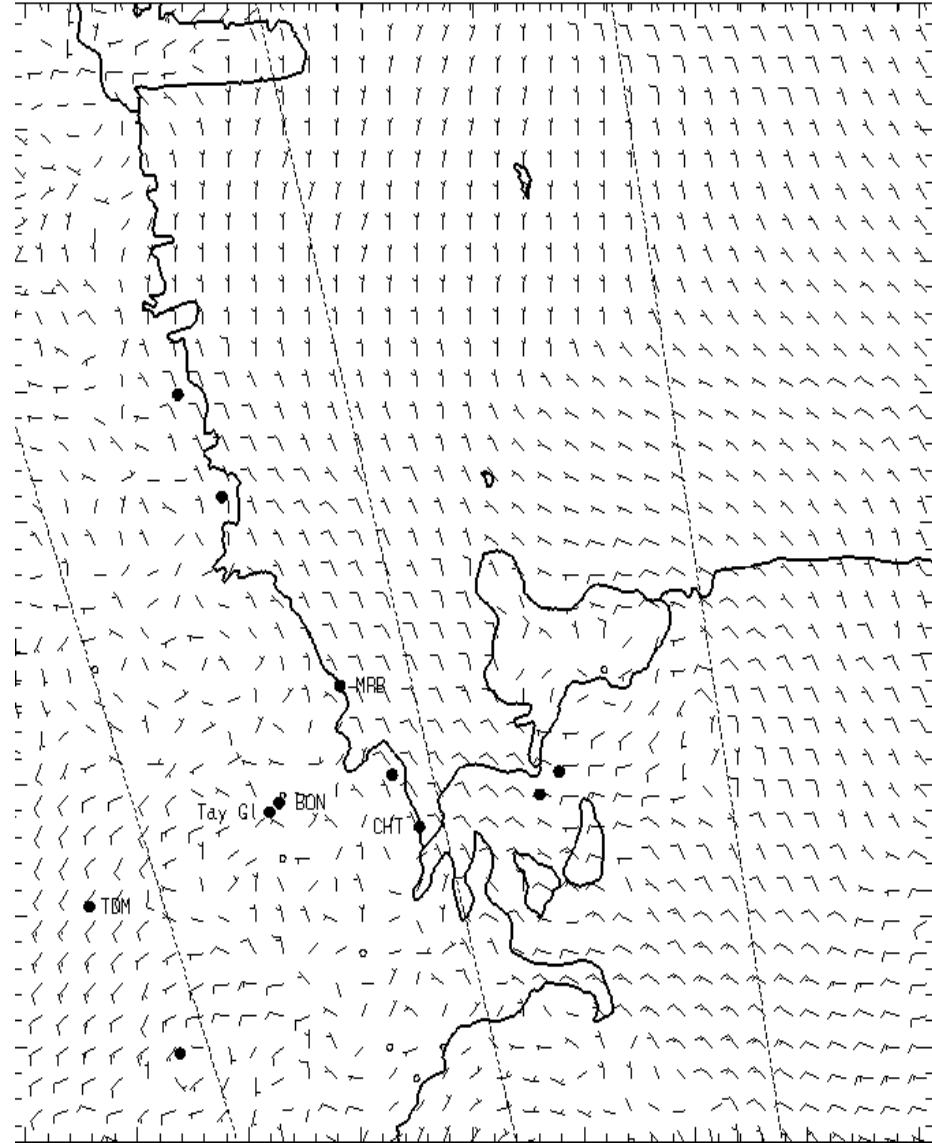


1300L

# 1,000 ft AGL

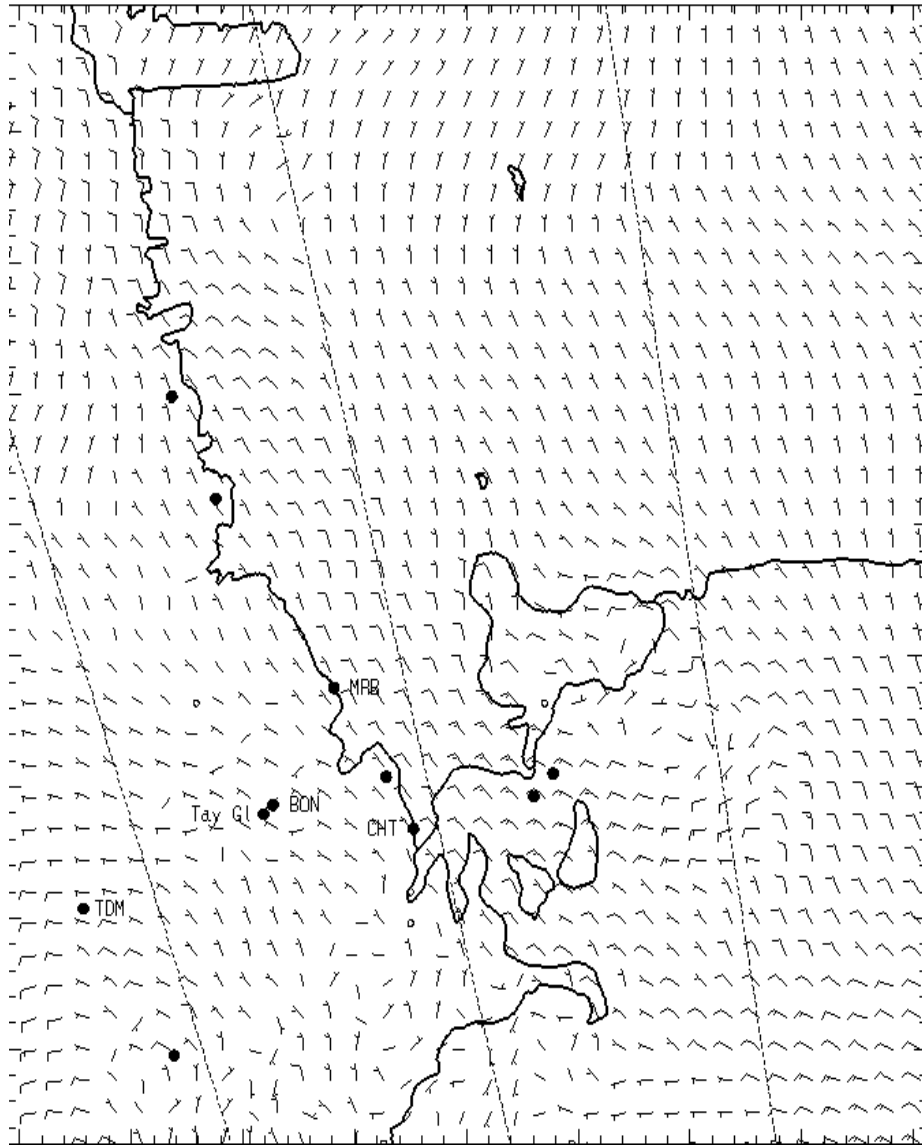


0700L

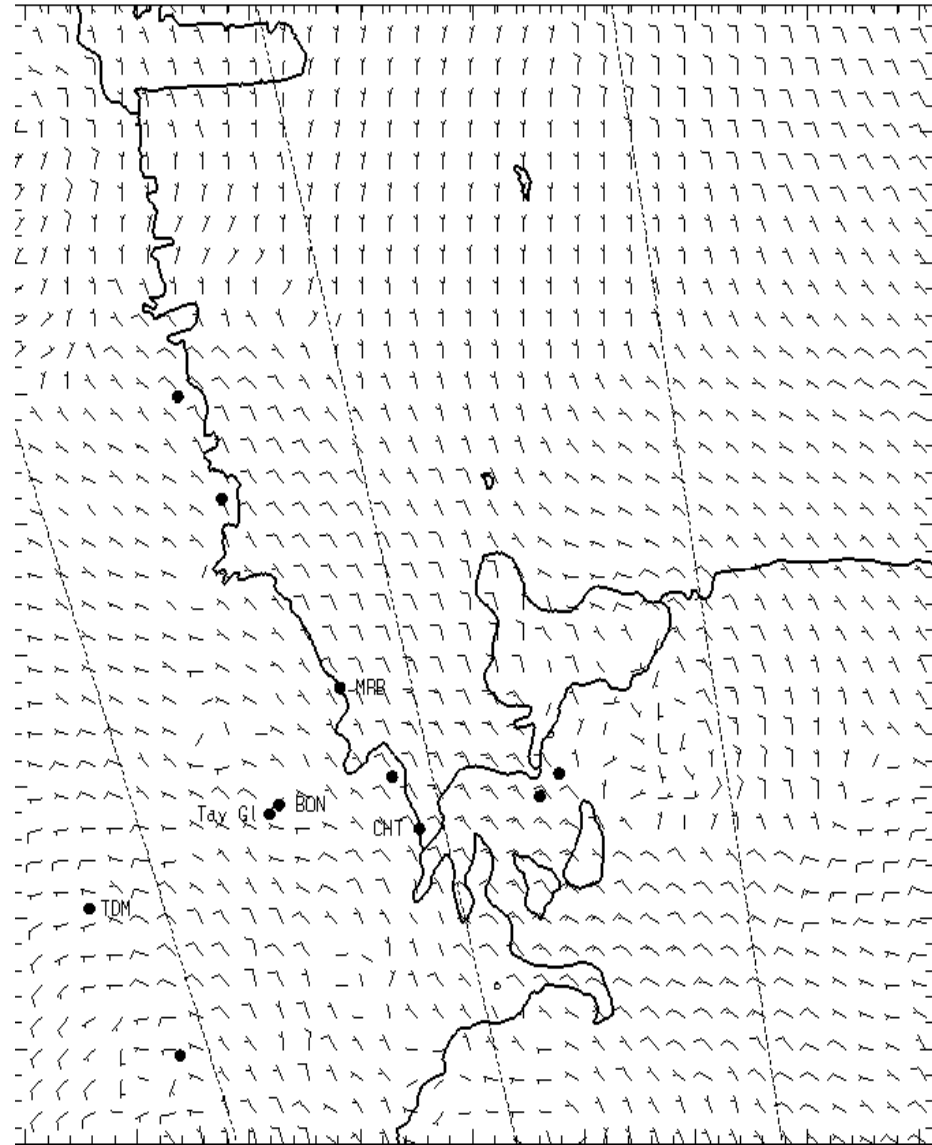


1300L

# 3,000 ft AGL



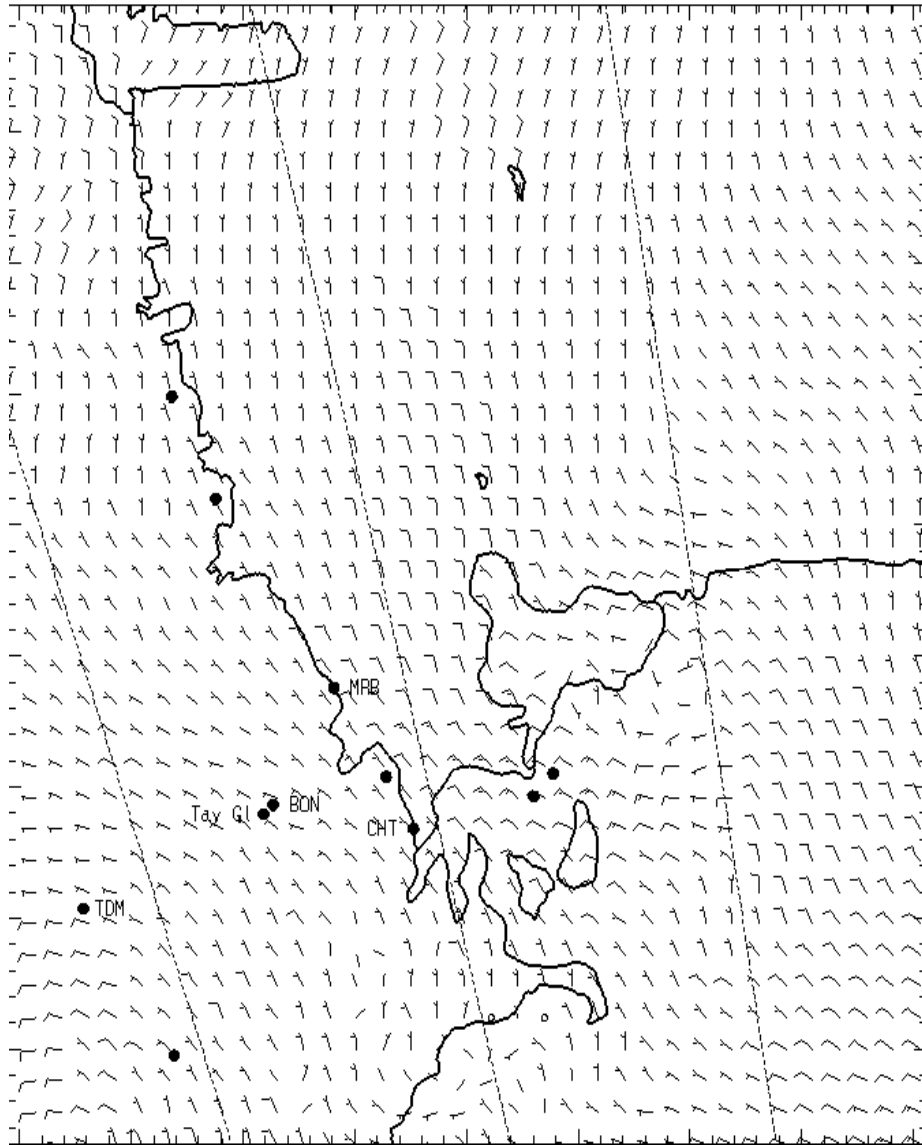
0700L



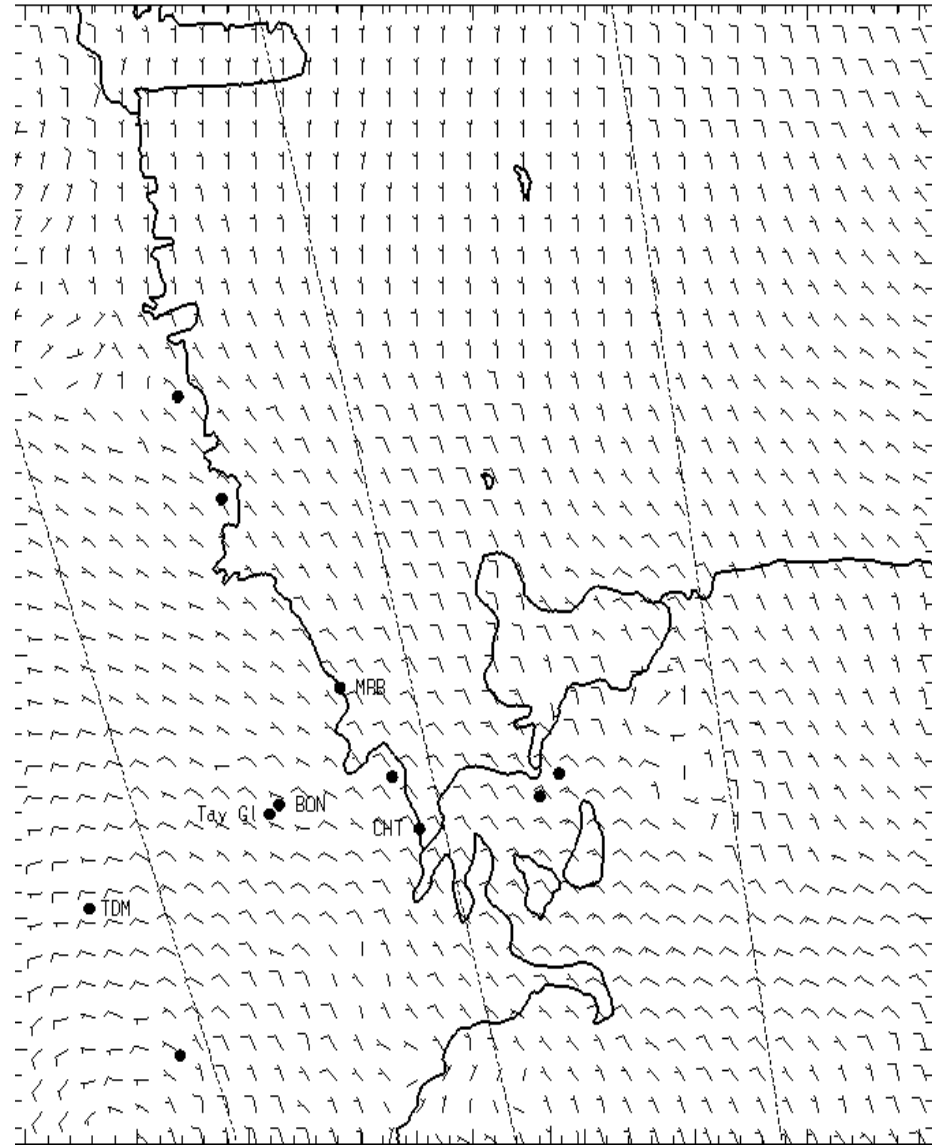
1300L



# 5,000 ft AGL



0700L



1300L