



# Helo Weather

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Date (L): Tue 28 December 2021

Brief Time (L): 0600

Briefing Number: 12-023

FCSTR: Paul Gulli

## REGIONAL SUMMARY

A deep trough has extended over the Ross Ice Shelf, associated with low pressure over the northeastern Ross Sea. This trough expected to be the main driver of weather over the local area today, first with gusty southeasterly winds, then followed by heavily layered cloudiness and reduced visibility in snow which will last from midday on.

## HAZARDS

Light Turbulence is expected over Ross Island, the runways, Black Island and Cape Crozier, as well as Cape Royds due to strong winds associated with the approaching trough. Some of this may ease in the afternoon as the apex of the trough moves overhead, weakening the winds. Light Rime Icing is expected throughout the area today in the heavy cloudiness associated with the trough.

## LATEST MCMURDO OBSERVATION

METAR NZCM

## RUNWAY TAFS

TAF NZFX 271457Z 2715/2815 (2804/2904NZDT) VRB06KT 9999 FEW013 SCT080 QNH2885INS  
BECMG 2719/2721 (2808/2810) 16015G25KT 9999 DRSN FEW013 BKN040 QNH2885INS GRID33015G25KT  
BECMG 2801/2803 (2814/2816) 12010KT 4800 -SN BR SCT009 BKN015 OVC030 620155 QNH2883INS GRID29010KT  
TEMPO 2806/2812 (2819/2901) 2400 -SN BR BKN009 OVC015 620096

TAF NZWD 271457Z 2715/2815 (2804/2904NZDT) VRB05KT 9999 FEW013 SCT080 QNH2887INS  
BECMG 2719/2721 (2808/2810) 16014G24KT 9999 DRSN FEW013 BKN040 QNH2886INS GRID33014G24KT  
BECMG 2801/2803 (2814/2816) 12010KT 4800 -SN SCT009 BKN015 OVC030 620155 QNH2883INS GRID29010KT  
TEMPO 2806/2812 (2819/2901) 2400 -SN BR BKN009 OVC015 620096

## MCMURDO HELIPAD FORECAST (VALID TIME: 28/0600L - 1800L)

**SFC WIND (TRUE):** 16015G25KT, BECMG 09012KT AFT 14L

**SFC VISIBILITY (SM):** UNRES DRSN, BECMG 2 -SN BR AT 13L

**SKY CONDITION (AGL):** FEW015 BKN040, BECMG BKN010 OVC030 AFT 13L

**MIN ALSTG:** 28.77INS

**HAZARDS:** LGT TURBC SFC-050, LGT RIME ICG 010-060

**SITE & AREA FORECASTS (VALID TIME: 28/0600L - 1800L)**

**CONEZ**

**SFC WIND (TRUE):** 19013KT

**SFC VISIBILITY (SM):** ½ -SG FG

**SKY CONDITION (AGL):** VV002

**MIN ALSTG:** 27.99INS

**HAZARDS:** LGT TURBC SFC-030

**BLACK ISLAND**

**SFC WIND (TRUE):** 19018G28KT, BECMG 18012KT AFT 13L

**SFC VISIBILITY (SM):** UNRES, BECMG ½ -SN BR AFT 13L

**SKY CONDITION (AGL):** BKN030 BKN080, BECMG BKN010 OVC030 AFT 13L

**MIN ALSTG:** 28.80INS

**HAZARDS:** LGT TURBC SFC-070, LGT RIME ICG 010-070

**LK HOARE**

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

**SFC VISIBILITY (SM):** ½-1 IN -SN BR

**SKY CONDITION (AGL):** OVC010

**MIN ALSTG:** 28.81INS

**HAZARDS:** LGT RIME ICG 010-070

**EXPLORERS COVE**

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

**SFC VISIBILITY (SM):** ½-1 IN -SN BR

**SKY CONDITION (AGL):** BKN010 OVC030

**MIN ALSTG:** 28.79INS

**HAZARDS:** LGT RIME ICG 010-070

**LK FRYXELL / LK FRYXELL MET**

**SFC WIND (TRUE):** VRB05KT

**SFC VISIBILITY (SM):** ½-1 IN -SN BR

**SKY CONDITION (AGL):** BKN010 OVC030

**MIN ALSTG:** 28.86INS

**HAZARDS:** LGT RIME ICG 010-070

**MARBLE POINT**

**SFC WIND (TRUE):** 14009KT

**SFC VISIBILITY (SM):** ½-1 IN -SN BR

**SKY CONDITION (AGL):** BKN010 OVC030

**MIN ALSTG:** 28.84INS

**HAZARDS:** LGT RIME ICG 010-070

**NEW HARBOR**

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

**SFC VISIBILITY (SM):** ½ -1 IN –SN BR

**SKY CONDITION (AGL):** BKN010 OVC030

**MIN ALSTG:** 28.81INS

**HAZARDS:** LGT RIME ICG 010-070

**F6**

**SFC WIND (TRUE):** 07009KT

**SFC VISIBILITY (SM):** ½ - 1 IN –SN BR

**SKY CONDITION (AGL):** BKN010 OVC030

**MIN ALSTG:** 28.85INS

**HAZARDS:** LGT RIME ICG 010-070

**SCOTT BASE**

**SFC WIND (TRUE):** 18017KT, BECMG 10012KT AFT 13L

**SFC VISIBILITY (SM):** UNRES DRSN, BECMG 2 IN –SN BR

**SKY CONDITION (AGL):** SCT010 BKN040 BKN100, BECMG BKN010 OVC030 AFT 13L

**MIN ALSTG:** 28.80INS

**HAZARDS:** LGT TURBC SFC-050, LGT RIME ICG 010-060

**RIS**

**SFC WIND (TRUE):** 21018G28KT, BECMG 20013KT AFT 14L

**SFC VISIBILITY (SM):** UNRES DRSN, BECMG ¼-1 IN –SN BR AFT 14L

**SKY CONDITION (AGL):** FEW010 SCT040 SCT100, BECMG BKN010 BKN040 AFT 14L

**MIN ALSTG:** 28.81INS

**HAZARDS:** LGT TURBC SFC-080, LGT RIME ICG 010-070

**CP BIRD**

**SFC WIND (TRUE):** VRB06KT

**SFC VISIBILITY (SM):** ¼ IN –SN FG

**SKY CONDITION (AGL):** OVC008

**MIN ALSTG:** 28.77INS

**HAZARDS:** LGT RIME ICG 008-060

**CP ROYDS**

**SFC WIND (TRUE):** 12010KT, BECMG 16018G28KT AFT 10L

**SFC VISIBILITY (SM):** UNRES, BECMG 1 IN –SN BR

**SKY CONDITION (AGL):** SCT040 BKN100, BECMG BKN010 BKN040 AFT 12L

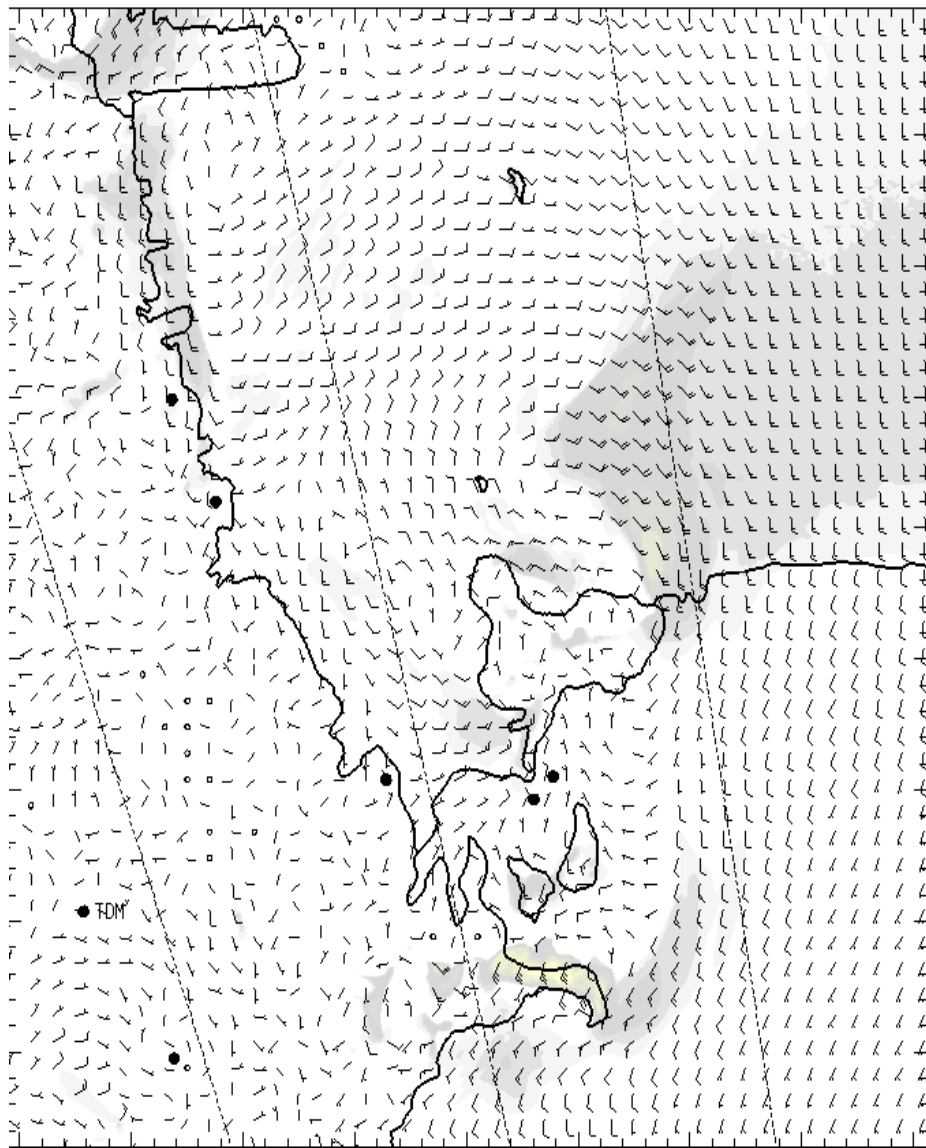
**MIN ALSTG:** 28.79INS

**HAZARDS:** LGT TURBC SFC-070, LGT RIME ICG 010-070

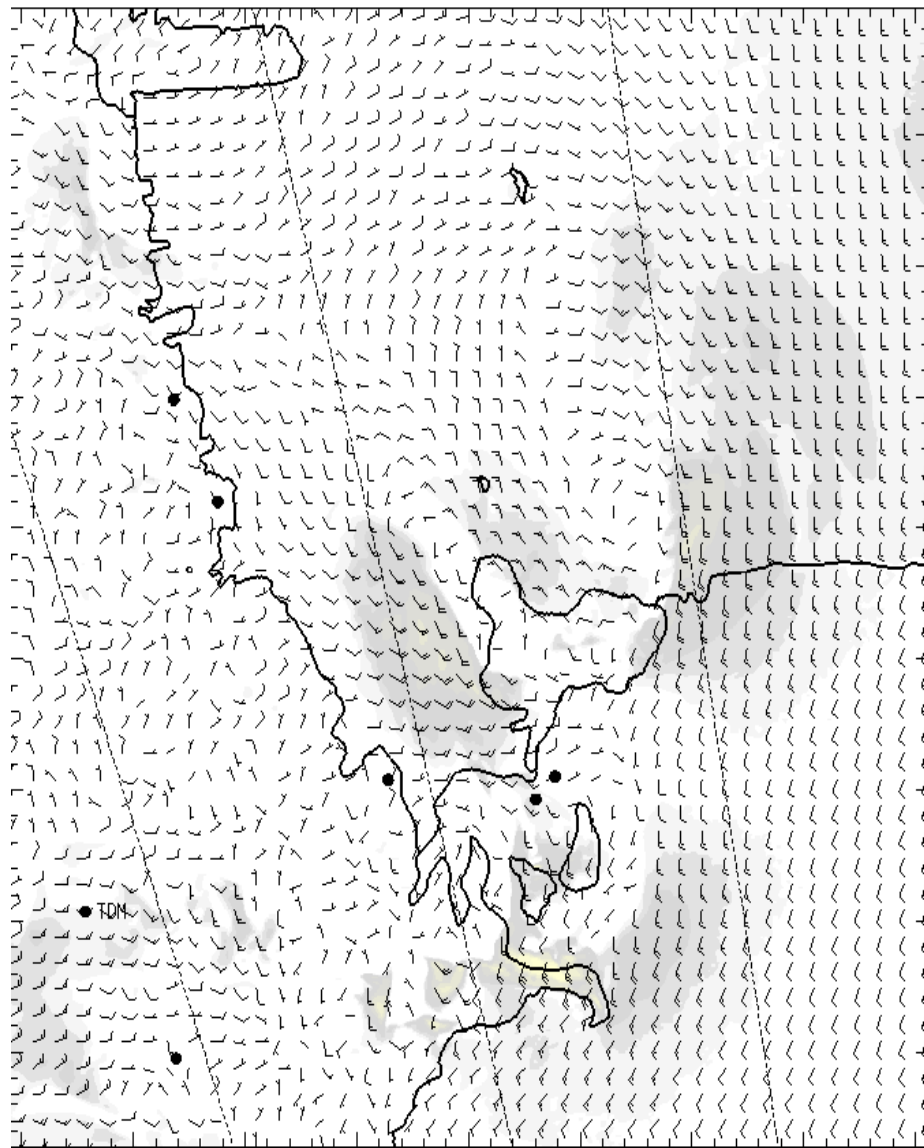
**NIGHT AREA OUTLOOKS (VALID TIME: 28/1800L - 29/0600L):**

N/A

# SFC

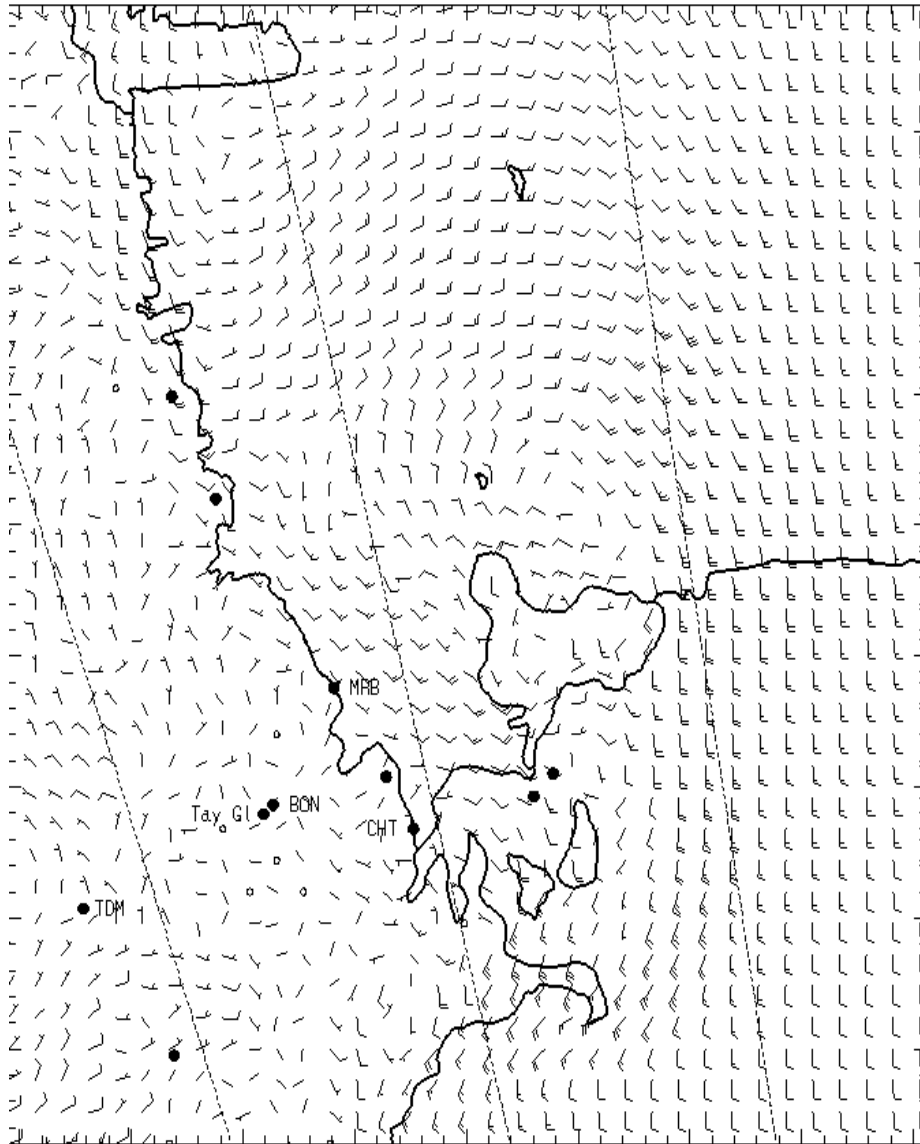


0700L

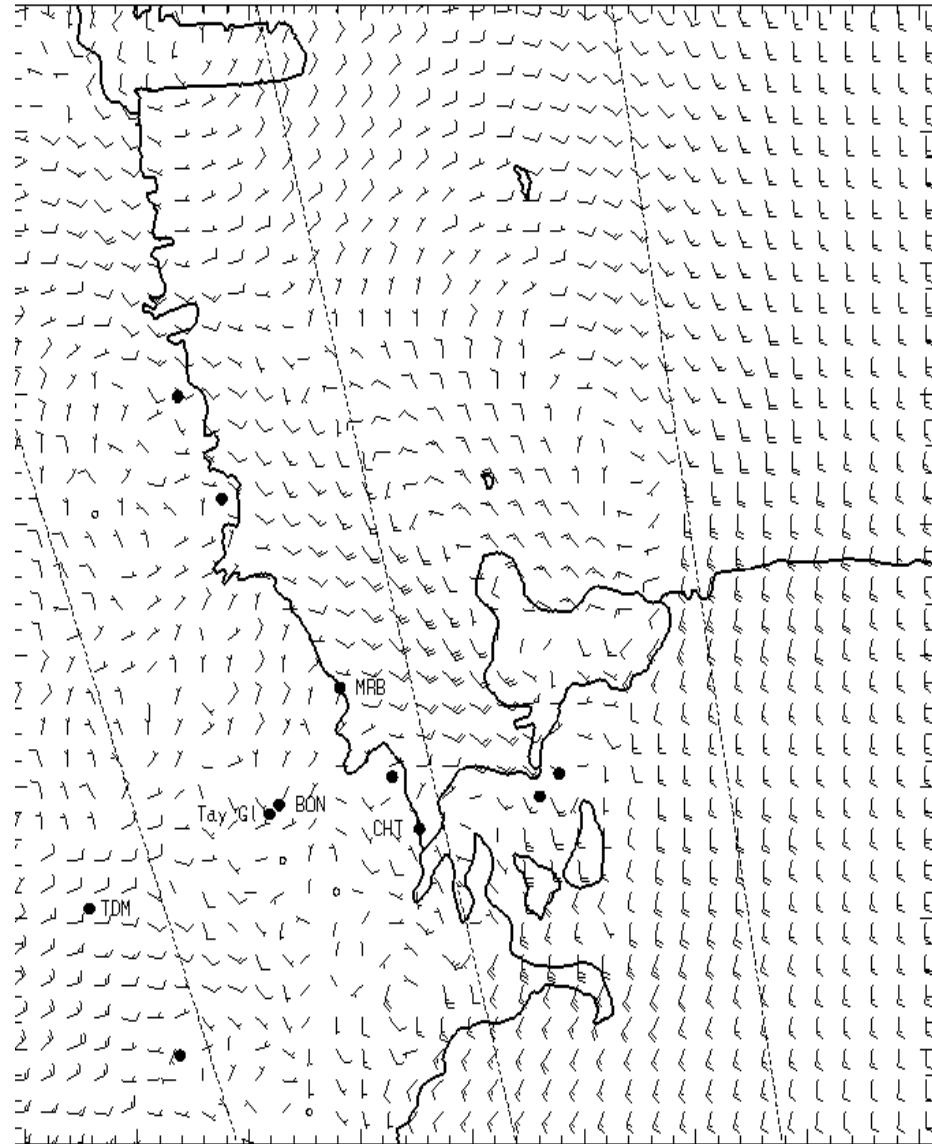


1300L

# 1,000 ft AGL

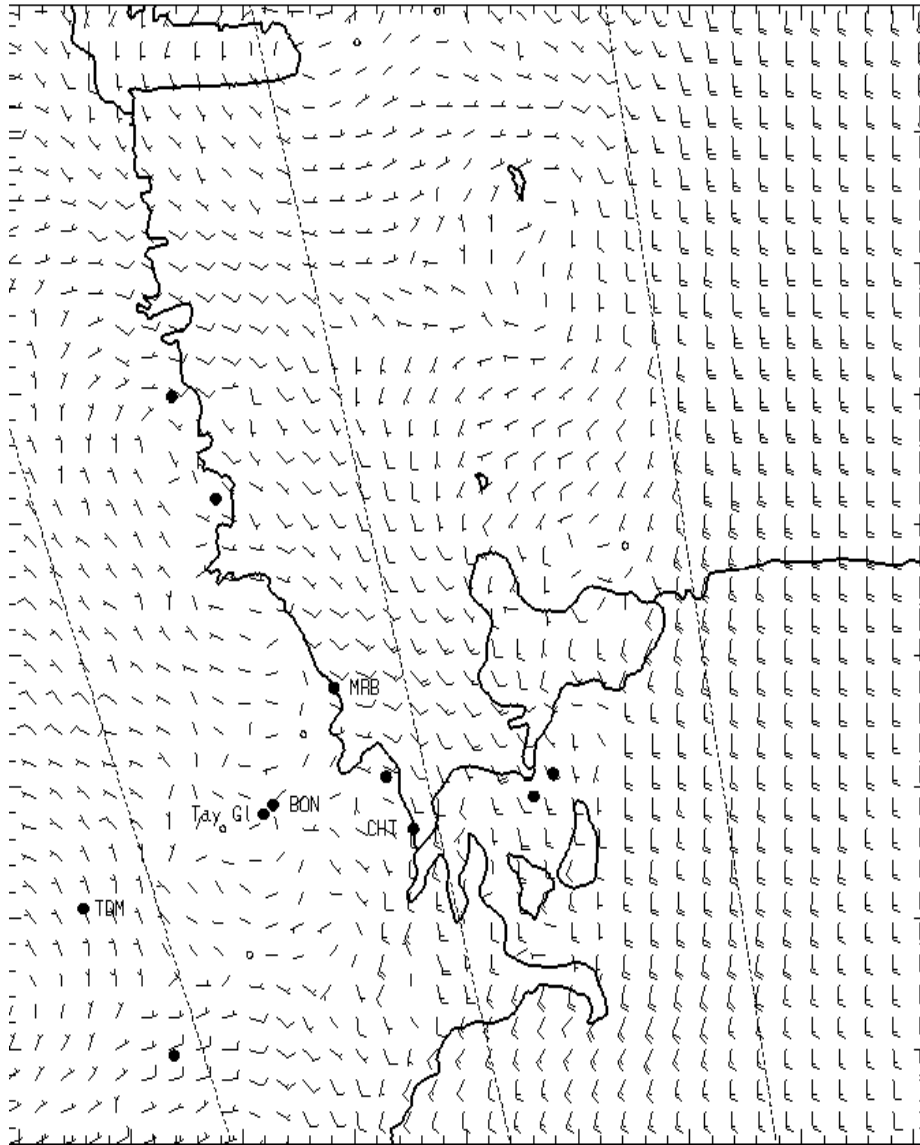


0700L

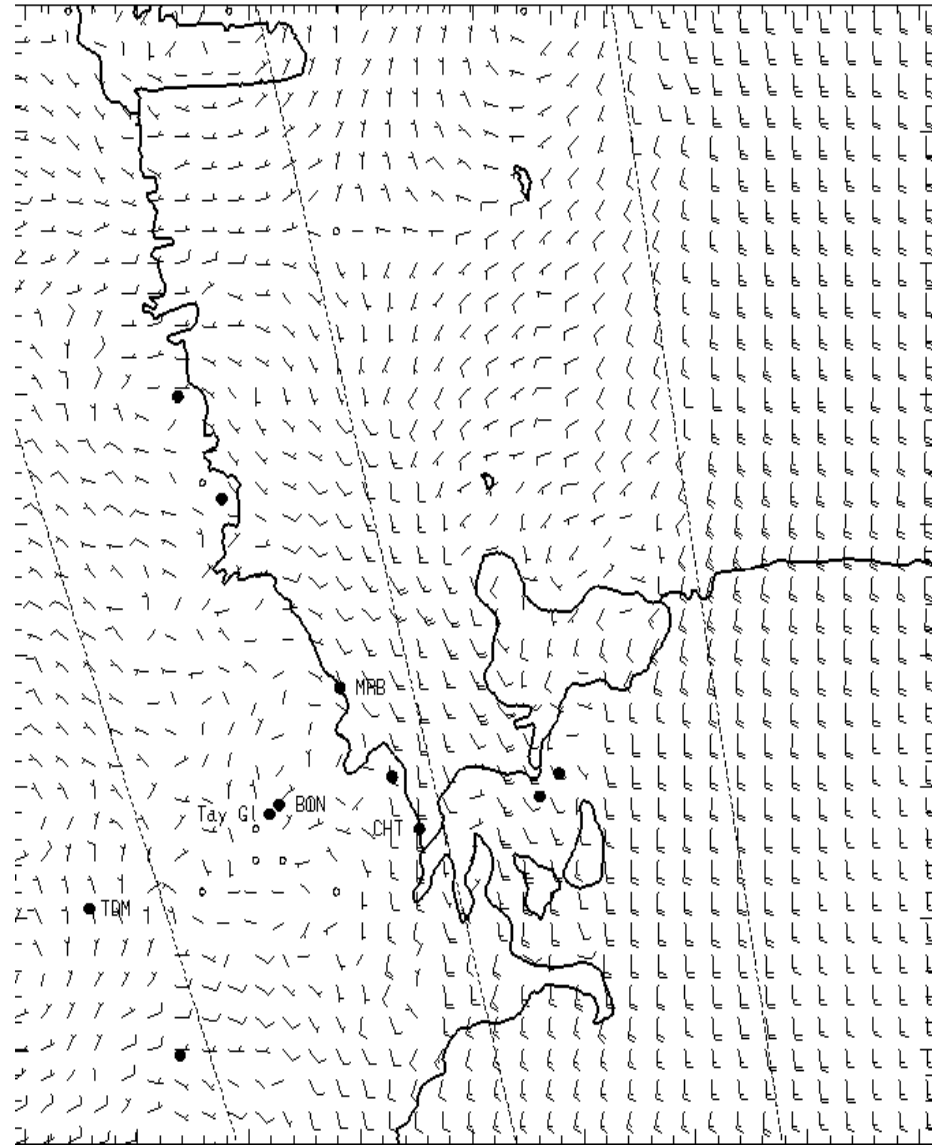


1300L

# 3,000 ft AGL

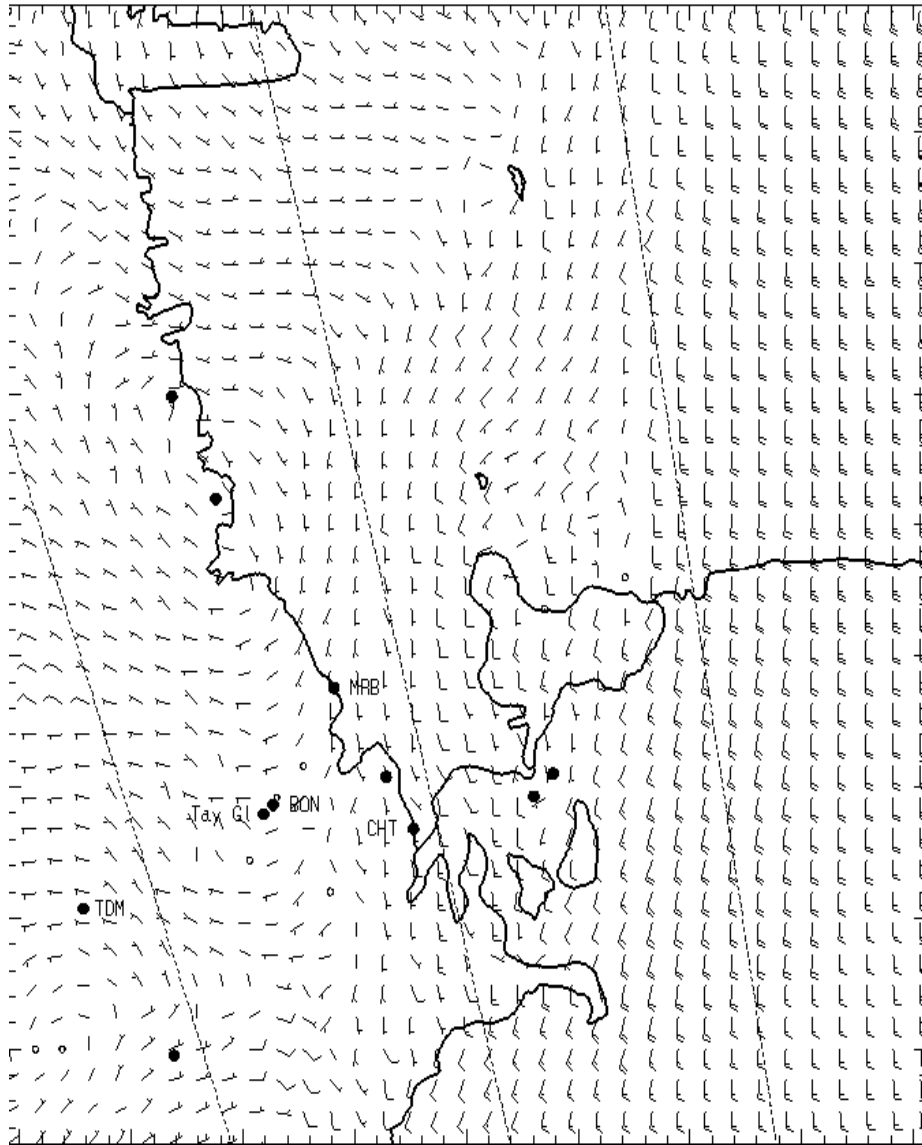


0700L

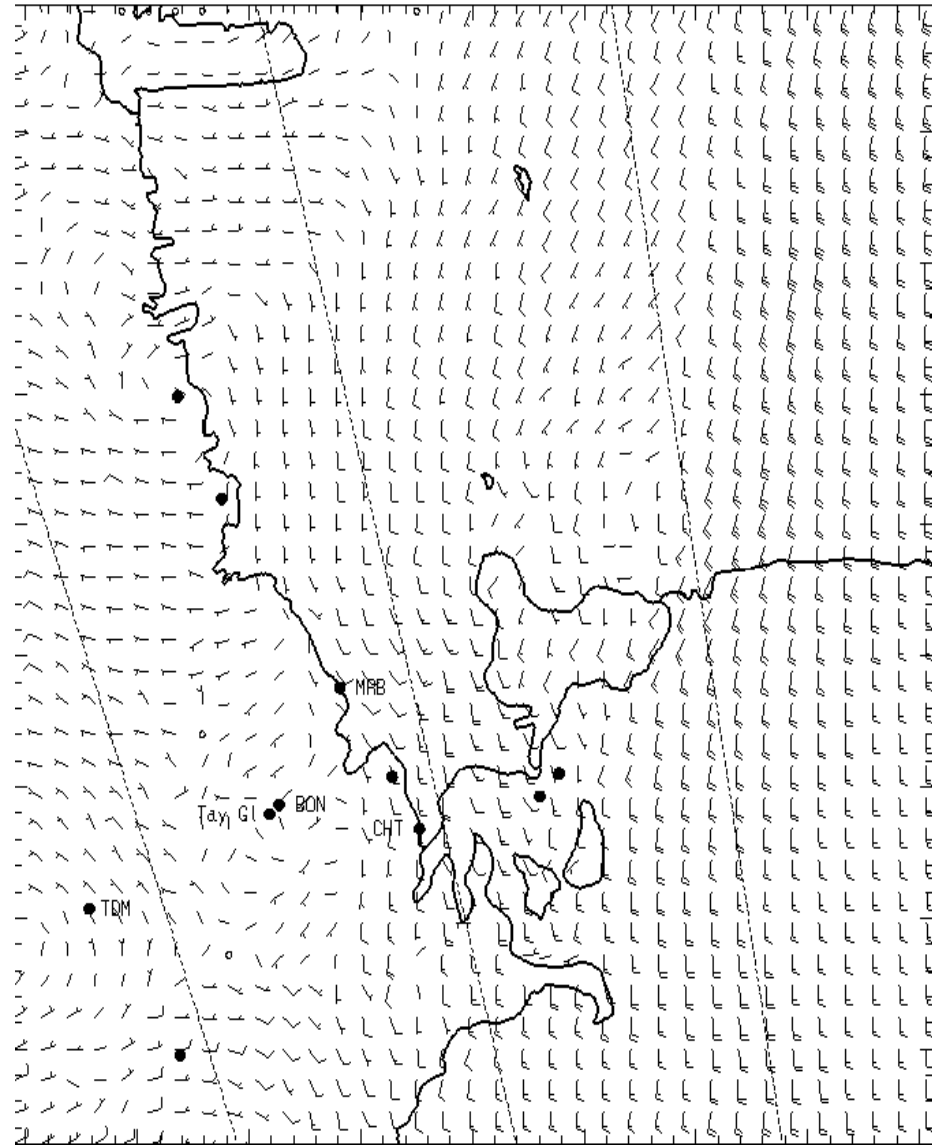


1300L

# 5,000 ft AGL



0700L



1300L