



HELO Weather

McMurdo Weather
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Briefing Counter: x43353

Date (L): Friday 22 January 2021

Brief Time (L): 0615

Briefing Number: 01-17

FCSTR: John Meyer

REGIONAL SUMMARY

As yesterday's low continues to move away from Ross Island, the region is left with patchy clouds and fairly light surface winds. A new low is developing on the Ross Ice Shelf, however, and this will have two effects today. First, a down the Sound flow has been established this morning, which has also brought a low-level cloud deck in over the Sound. This will continue to overrun McMurdo and the airfields through the morning. This low level moisture may manifest itself as fog at locations exposed to the Ice Shelf. The second effect will be quite strong winds aloft due to the low pressure. Elevated locations and Valley locations will experience quite strong winds, setting the stage for turbulence.

HAZARDS

Light rime icing due to potential morning fog at locations exposed to Ross Ice Shelf (Crozier/AWS104 & 108).
Light to moderate turbulence at elevated (CONEZ) and Valley locations (Newall/Hoare) due to strong upper-level flow.

LATEST MCMURDO OBSERVATION

METAR ZCMA 211633Z AUTO 06007KT 040V120 9999 OVC011 M01/M03 A2931 RMK AO1 SLP928 GRID23007KT 210V290=

RUNWAY TAFS

TAF NZFX 211457Z 2115/2215 (2204/2304NZDT) 29010KT 9999 SCT010 SCT160 QNH2928INS GRID10010KT
BECMG 2115/2117 (2204/2206) 17010KT 9999 VCFG SCT007 BKN010 QNH2926INS GRID34010KT
TEMPO 2117/2122 (2206/2211) 9999 BKN008
BECMG 2122/2124 (2211/2213) VRB05KT 9999 NSW FEW010 FEW100 QNH2924INS

MCMURDO HELIPAD FORECAST (VALID TIME: 22/0600L – 22/1800L)

SFC WIND (TRUE): 07011G21KT BECMG VRB06KT AFT 10L
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): FEW015 FEW080 TEMPO SCT015 SCT080
MIN ALSTG: 2924INS
HAZARDS: NIL

SITE & AREA FORECASTS (VALID TIME: 22/0600L – 22/1800L)

CONEZ

SFC WIND (TRUE): 32008KT BECMG 25013KT AFT 10L
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): SKC
MIN ALSTG: 2876INS
HAZARDS: LGT-MDT TURBC SFC-020

NEW HARBOR

SFC WIND (TRUE): 08008KT
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): FEW015 FEW080 TEMPO SCT015 SCT080
MIN ALSTG: 2915INS
HAZARDS: NIL

AWS 108

SFC WIND (TRUE): 14008KT BECMG 30006KT AFT 10L
SFC VISIBILITY (SM): UNRES TEMPO 1 – 3 BR 6-12L
SKY CONDITION (AGL): SCT080 BECMG FEW080 AFT 10L
MIN ALSTG: 2921INS
HAZARDS: NIL TEMPO LGT ICG SFC-020 6-12L

AWS 104

SFC WIND (TRUE): VRB06KT
SFC VISIBILITY (SM): UNRES TEMPO 1 – 3 BR 6-12L
SKY CONDITION (AGL): SCT080 BECMG FEW080 AFT 10L
MIN ALSTG: 2921INS
HAZARDS: NIL TEMPO LGT ICG SFC-020 6-12L

LAKE HOARE

SFC WIND (TRUE): 24035G50KT
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): FEW080
MIN ALSTG: 2910INS
HAZARDS: LGT-MDT TURBC SFC-050

CAPE CROZIER

SFC WIND (TRUE): 31015G20KT BECMG 34008KT AFT 9L
SFC VISIBILITY (SM): UNRES TEMPO 2 – 4 BR 6-12L
SKY CONDITION (AGL): SCT010 SCT080 BECMG FEW010 FEW080 AFT 9L
MIN ALSTG: 2913INS
HAZARDS: NIL TEMPO LGT ICG SFC-0206-12L

MT NEWALL

SFC WIND (TRUE): 22025G45KT
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): FEW040
MIN ALSTG: 2897INS
HAZARDS: LGT-MDT TURBC SFC-040

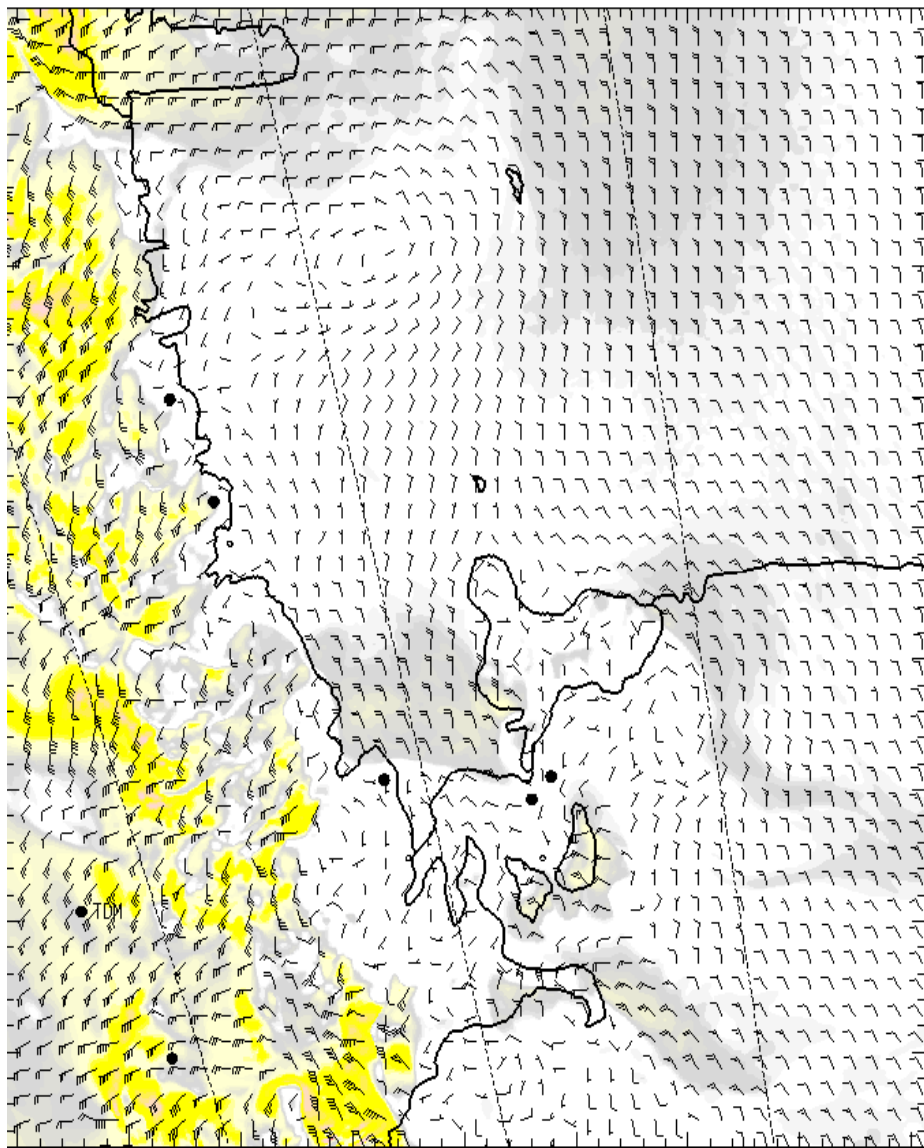
BLACK ISLAND

SFC WIND (TRUE): 33015KT BECMG 34008KT AFT 10L
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): FEW005 FEW030 SCT070 TEMPO SCT005 SCT030 BKN070
MIN ALSTG: 2924INS
HAZARDS: NIL

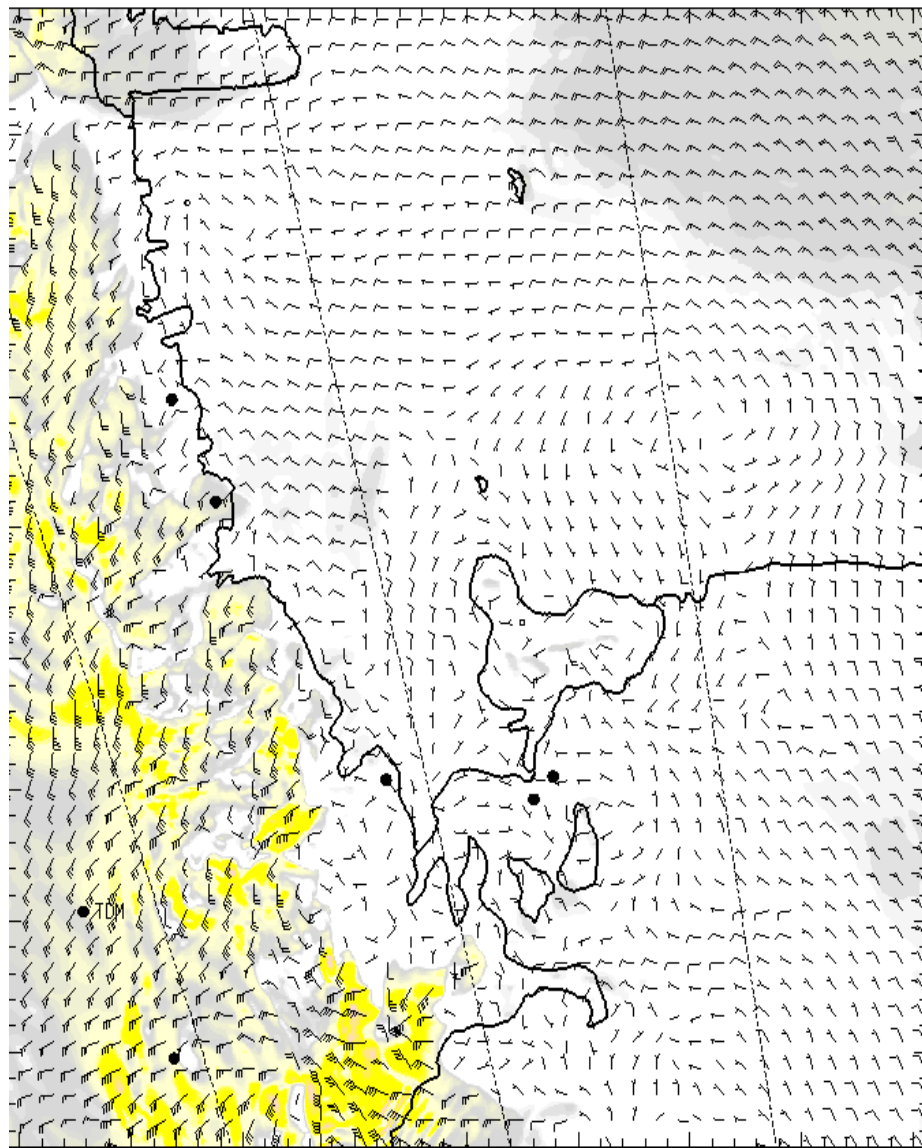
NIGHT AREA OUTLOOKS (VALID TIME: 22/1800L – 23/0600L)

NIL

SFC

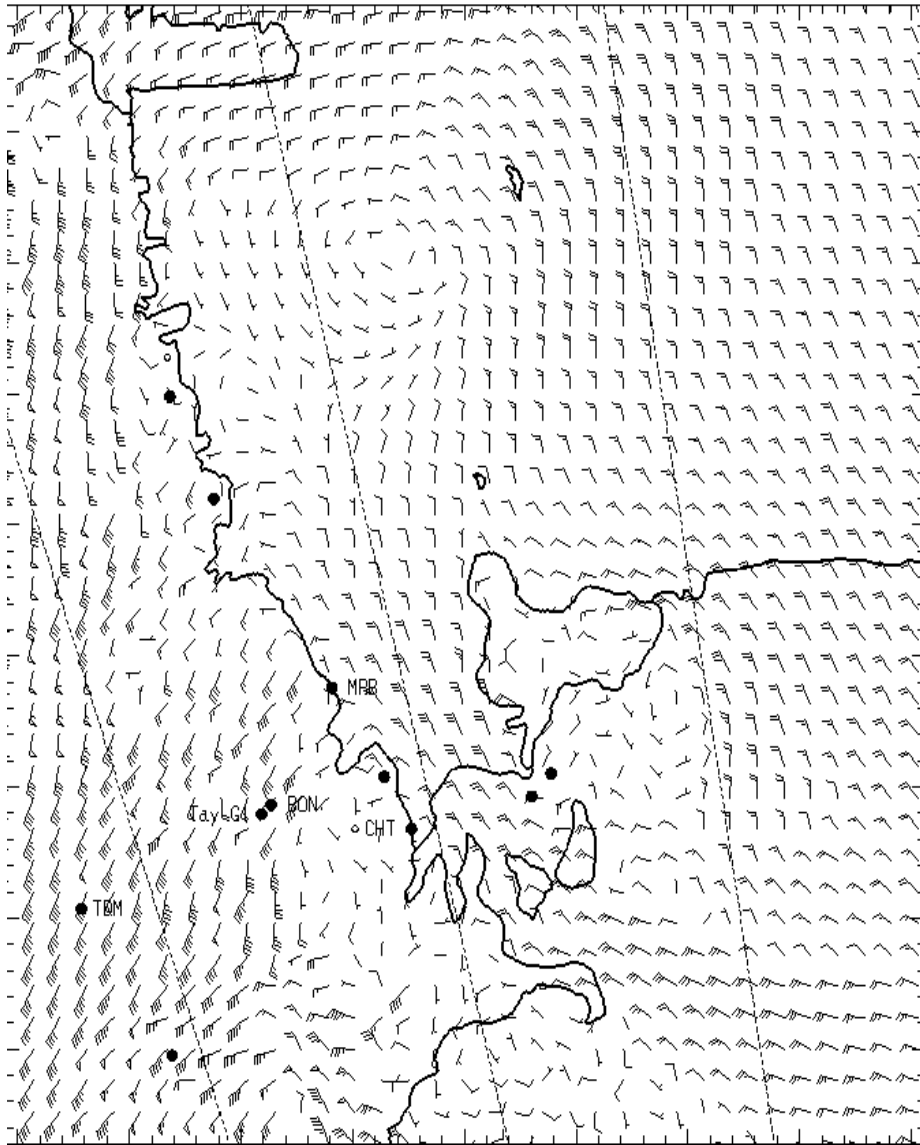


0700L

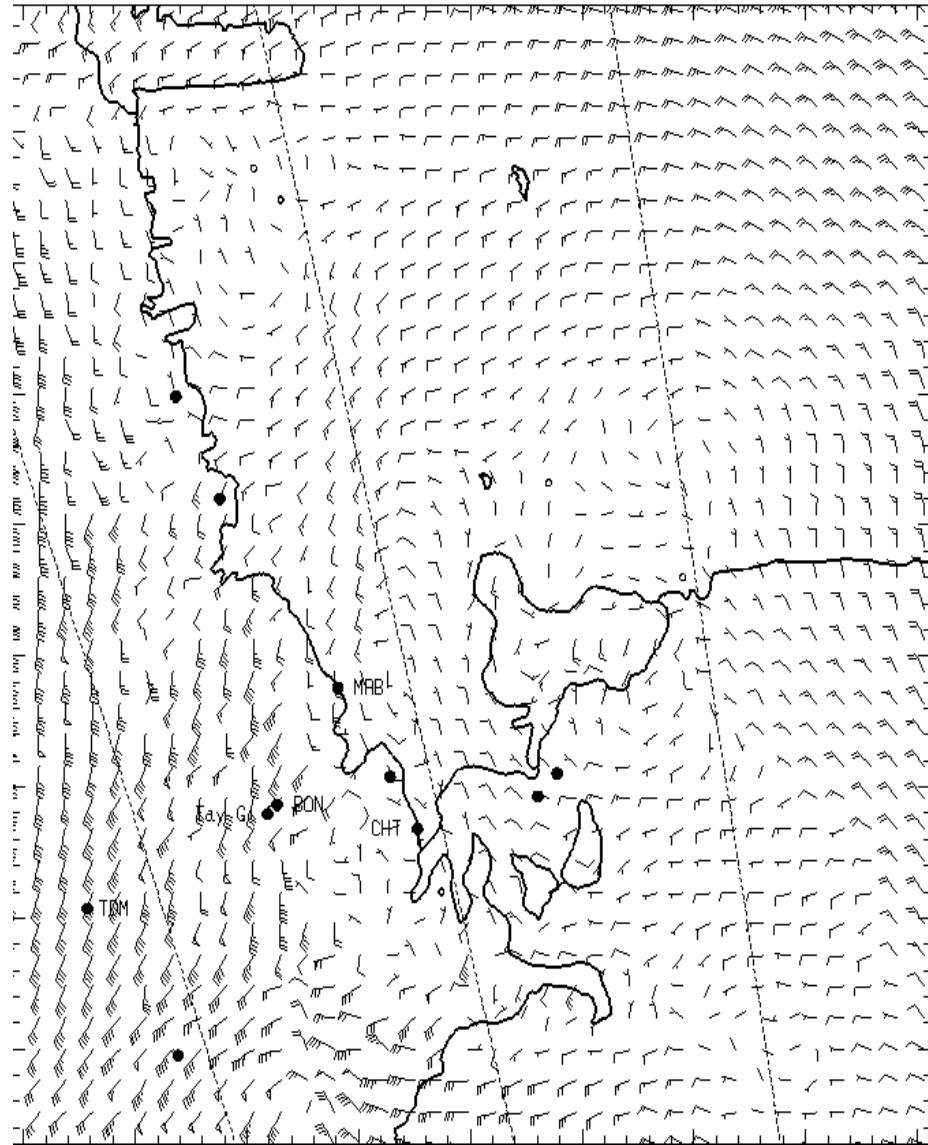


1300L

1,000 ft AGL

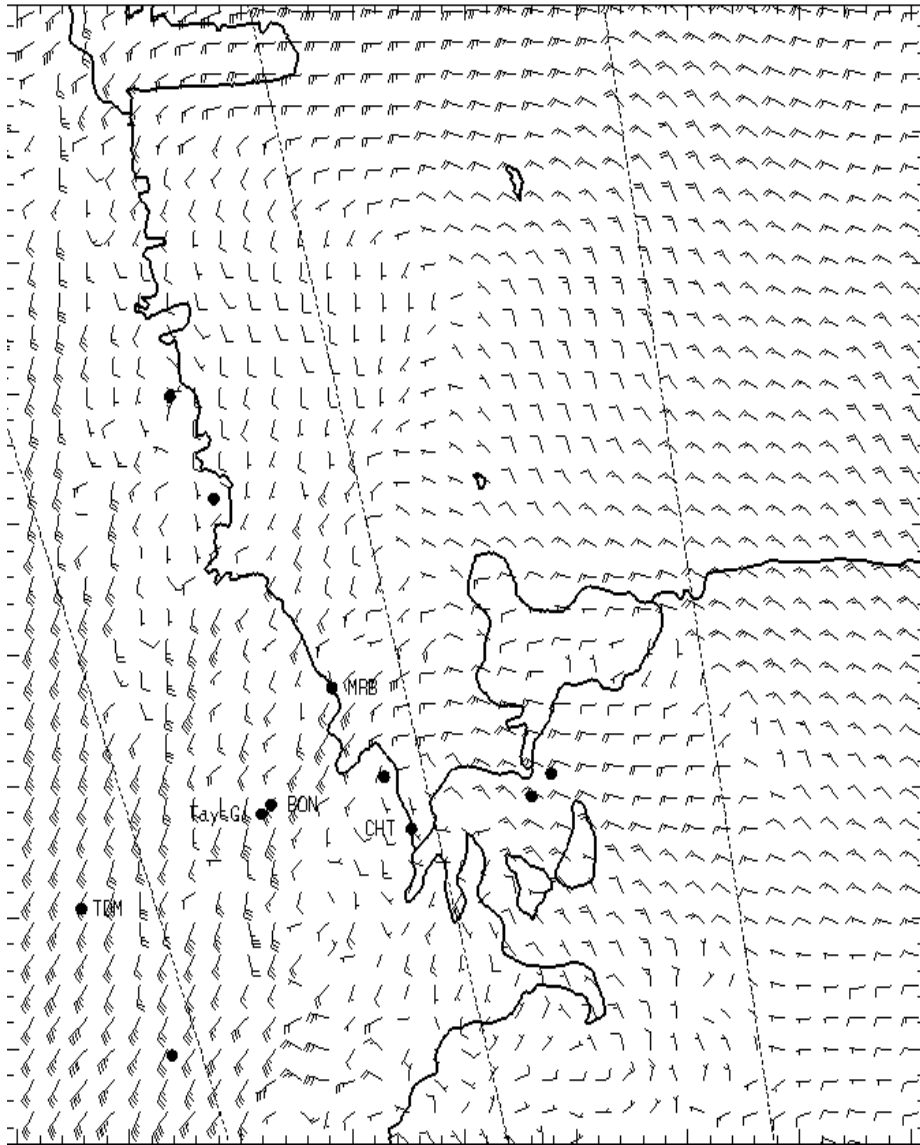


0700L

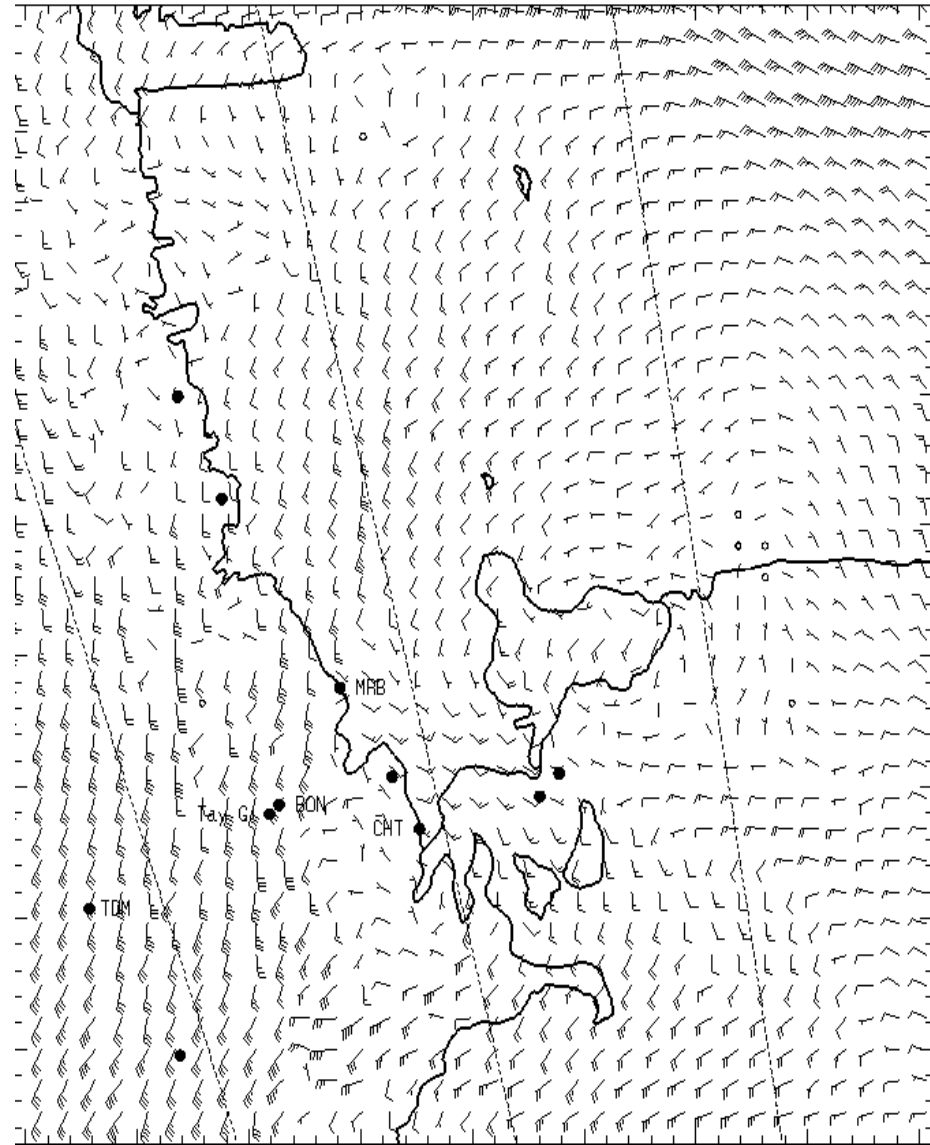


1300L

3,000 ft AGL

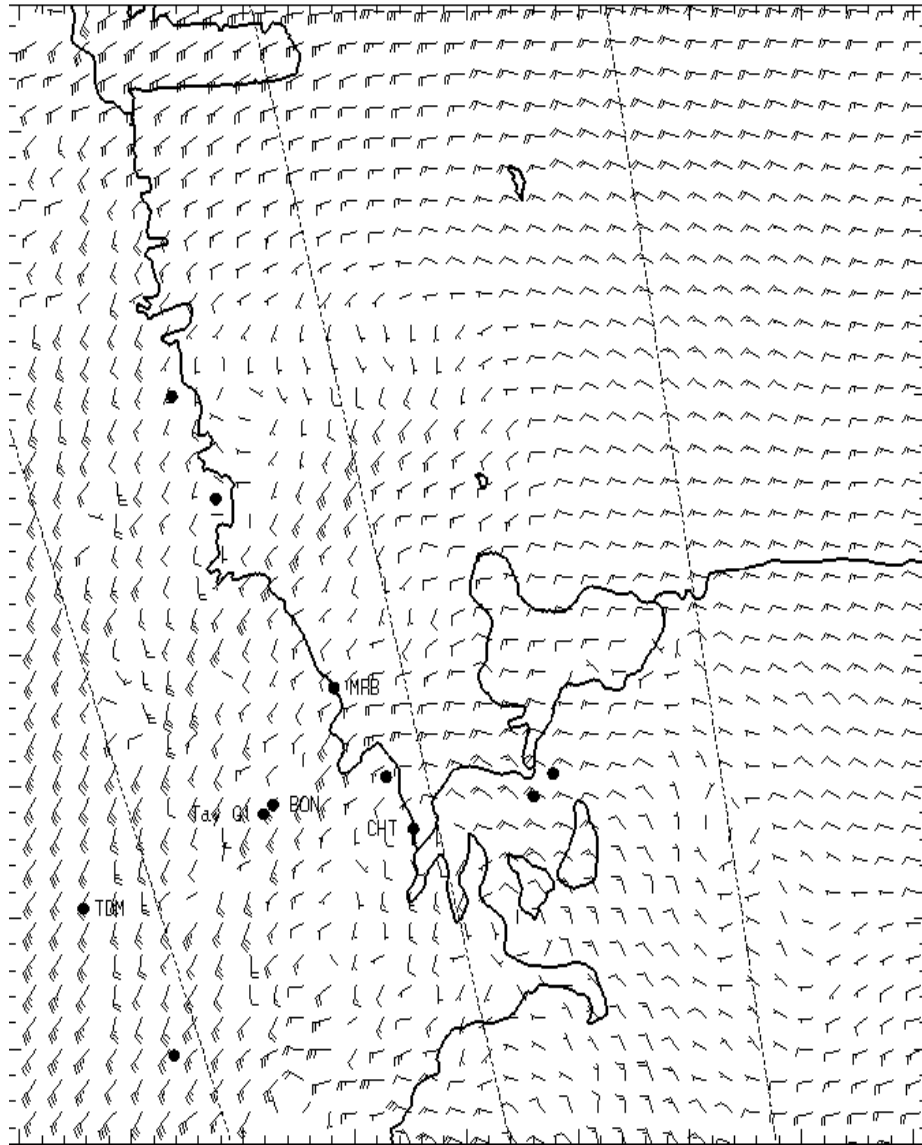


0700L

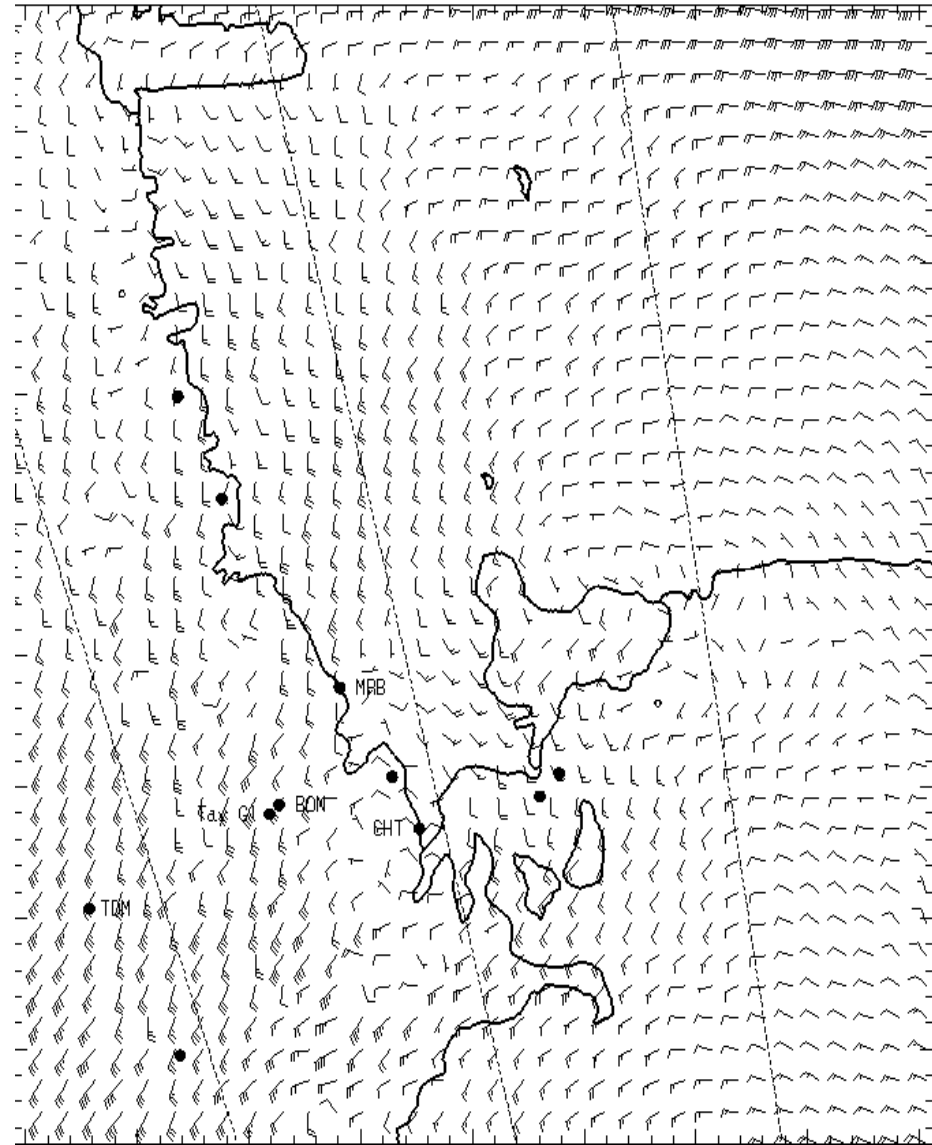


1300L

5,000 ft AGL



0700L



1300L