



HELO Weather

McMurdo Weather
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Duty Forecaster: x42524
Briefing Counter: x43353

Date (L): Thursday, 1 December 2022

Brief Time (L): 0615

Briefing Number: 12-01

FCSTR: John Meyer

REGIONAL SUMMARY

High pressure ahead of an upper level ridge will bring fair conditions for the first half of the day. As the ridge moves out of Victorialand into the Ross Sea, a vigorous low pressure system will develop in the western Ross Sea. This low will deepen rapidly and track towards the central ice shelf in the afternoon. This system is expected to be dry, with predominantly VFR ceilings. However, it will create strong, gust southerly winds mid-afternoon with drifting and blowing snow over the ice shelf. Winds will be lighter over the Dry Valleys.

HAZARDS

Light to moderate turbulence at most locations due to speed shear.

LATEST MCMURDO OBSERVATION

METAR ZCMA 301630Z AUTO 12011KT 090V150 9999 SKC M05/M09 A2918 RMK AO2 SLP884 GRID28011KT 260V320=

RUNWAY TAFS

TAF NZFX 301455Z 3015/0115 (0104/0204NZDT) VRB06KT 9999 FEW010 BKN180 QNH2906INS
BECMG 3021/3023 (0110/0112) 14012KT 9999 FEW010 SCT060 BKN180 QNH2900INS GRID31012KT
BECMG 0102/0104 (0115/0117) 17015G25KT 9999 DRSN FEW010 SCT050 BKN120 QNH2898INS GRID34015G25KT
TEMPO 0104/0107 (0117/0120) 18020G35KT 1600 BLSN GRID35020G35KT
BECMG 0113/0115 (0202/0204) 36012KT 9999 NSW FEW010 FEW050 SCT120 QNH2902INS GRID17012KT

TAF NZWD 301455Z 3015/0115 (0104/0204NZDT) VRB06KT 9999 FEW010 BKN180 QNH2905INS
BECMG 3019/3021 (0108/0110) 09014G22KT 9999 FEW010 SCT060 BKN180 QNH2902INS GRID26014G22KT
BECMG 0102/0104 (0115/0117) 17020G30KT 9999 DRSN FEW010 SCT040 BKN090 QNH2900INS GRID34020G30KT
TEMPO 0103/0109 (0116/0122) 17025G35KT 0800 BLSN GRID34025G35KT
BECMG 0113/0115 (0202/0204) 13012KT 9999 NSW FEW010 FEW040 SCT120 QNH2903INS GRID30012KT

MCMURDO HELIPAD FORECAST (VALID TIME: 01/0600L – 01/1800L)

SFC WIND (TRUE): 09015G20KT BECMG 14020G30KT AFT 16L
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): FEW010 SCT050 BKN120
MIN ALSTG: 2904INS
HAZARDS: NIL BECMG LGT OCNL MDT TURBC SFC-040 AFT 16L

SITE & AREA FORECASTS (VALID TIME: 01/0600L – 01/1800L)

SCOTT BASE

SFC WIND (TRUE): 07015G22KT BECMG 15018G28KT AFT 16L
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): FEW010 SCT050 BKN120
MIN ALSTG: 2902INS
HAZARDS: NIL BECMG LGT OCNL MDT TURBC SFC-040 AFT 16L

NORTH CREVASSE AWS 104

SFC WIND (TRUE): VRB06KT
SFC VISIBILITY (SM): UNRES TEMPO 1 – 3 BR 6-10L
SKY CONDITION (AGL): BKN080
MIN ALSTG: 2901INS
HAZARDS: NIL

HERBIE ALLEY AWS 100

SFC WIND (TRUE): 12015G25KT BECMG 19035KT AFT 14L
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): SCT050 BKN120
MIN ALSTG: 2894INS
HAZARDS: LGT TURBC SFC-030 BECMG MDT TURBC SFC-030 AFT 14L

MARBLE POINT

SFC WIND (TRUE): 17008KT BECMG 16012G25KT AFT 9L
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): FEW010 SCT050 BKN120
MIN ALSTG: 2904INS
HAZARDS: NIL BECMG LGT TURBC SFC-030 AFT 9L

LAKE BONNEY

SFC WIND (TRUE): 22010G20KT BECMG 05010KT AFT 13L
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): BKN120
MIN ALSTG: 2898INS
HAZARDS: LGT TURBC SFC-030

LAKE HOARE

SFC WIND (TRUE): 24010G18KT BECMG 08008KT AFT 12L
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): BKN120
MIN ALSTG: 2900INS
HAZARDS: LGT TURBC SFC-030

LAKE FRYXELL

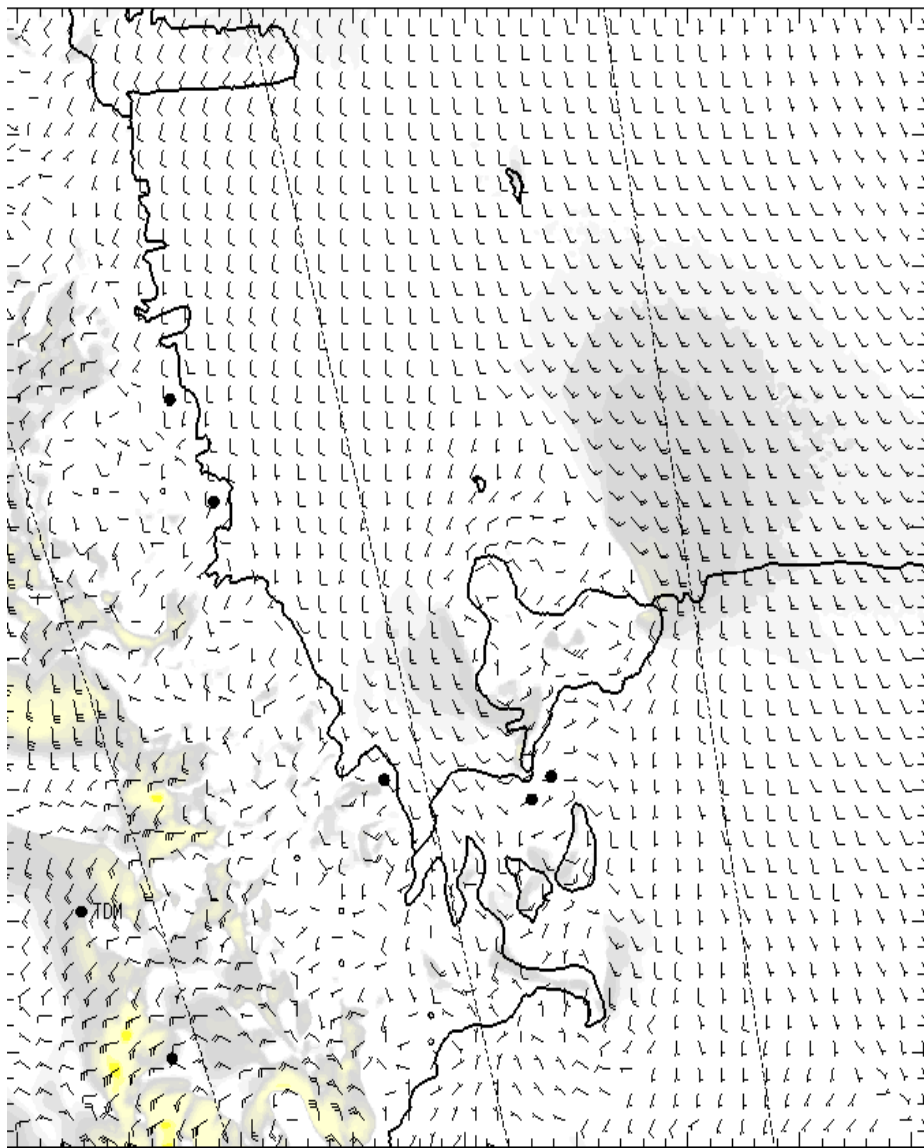
SFC WIND (TRUE): 30007KT BECMG 15008G15KT AFT 13L
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): BKN120
MIN ALSTG: 2905INS
HAZARDS: LGT TURBC SFC-030

LAKE VANDA

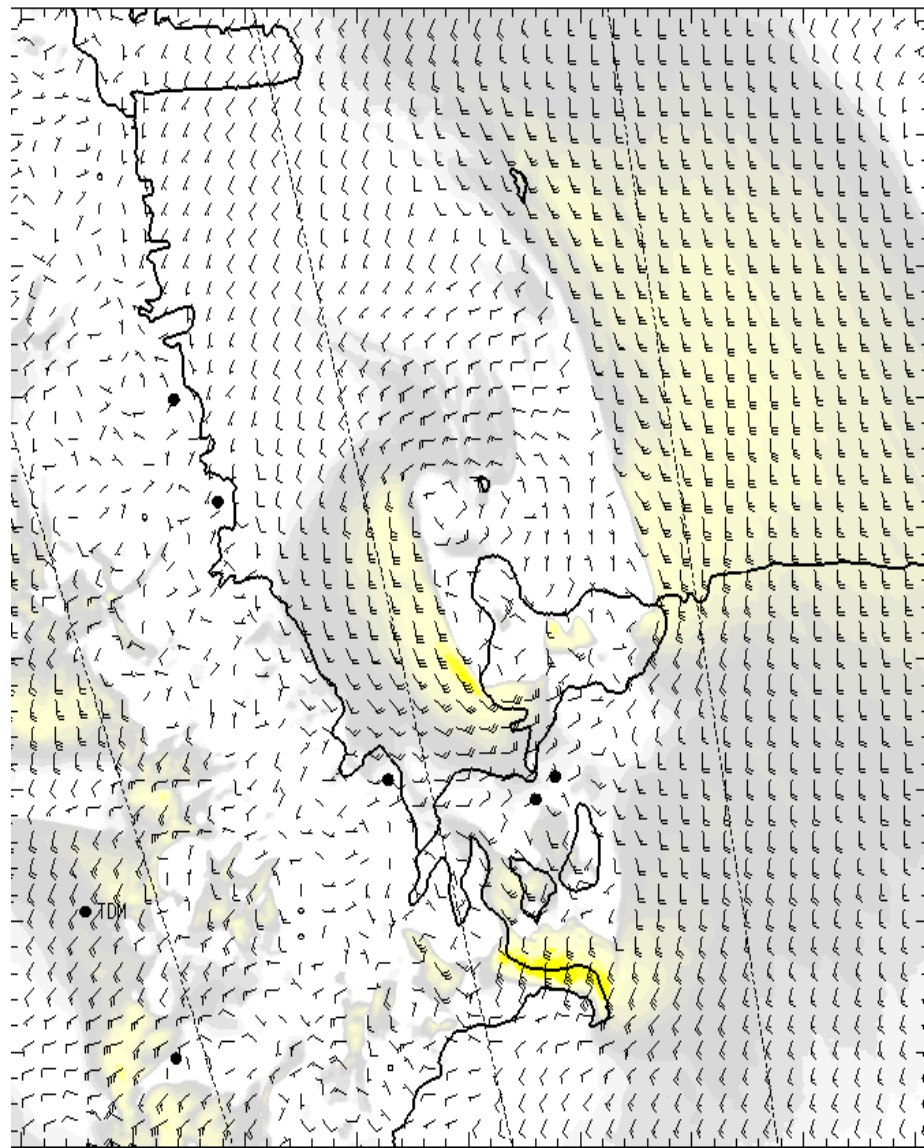
SFC WIND (TRUE): 29010G18KT BECMG 08008KT AFT 15L
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): BKN120
MIN ALSTG: 2899INS
HAZARDS: LGT TURBC SFC-030

F6**SFC WIND (TRUE):** VRB06KT BECMG 04010G15KT AFT 13L**SFC VISIBILITY (SM):** UNRES**SKY CONDITION (AGL):** BKN120**MIN ALSTG:** 2904INS**HAZARDS:** LGT TURBC SFC-030**MIERS VALLEY****SFC WIND (TRUE):** VRB06KT BECMG 16015KT AFT 16L**SFC VISIBILITY (SM):** UNRES**SKY CONDITION (AGL):** BKN120**MIN ALSTG:** 2894INS**HAZARDS:** NIL**LOWER ADAMS GLACIER****SFC WIND (TRUE):** VRB06KT BECMG 19012KT AFT 16L**SFC VISIBILITY (SM):** UNRES**SKY CONDITION (AGL):** BKN120**MIN ALSTG:** 2885INS**HAZARDS:** NIL**LOWER HOWARD GLACIER****SFC WIND (TRUE):** VRB06KT**SFC VISIBILITY (SM):** UNRES TEMPO 2 – 4 BR 6-10L**SKY CONDITION (AGL):** BKN080**MIN ALSTG:** 2902INS**HAZARDS:** NIL**CAPE CROZIER****SFC WIND (TRUE):** 21020G30KT BECMG 21030G40KT AFT 12L**SFC VISIBILITY (SM):** 3 – 5 BLSN**SKY CONDITION (AGL):** BKN050 OVC080**MIN ALSTG:** 2901INS**HAZARDS:** MDT TURBC SFC-050**NIGHT AREA OUTLOOKS (VALID TIME: 01/1800L – 02/0600L)**

SFC

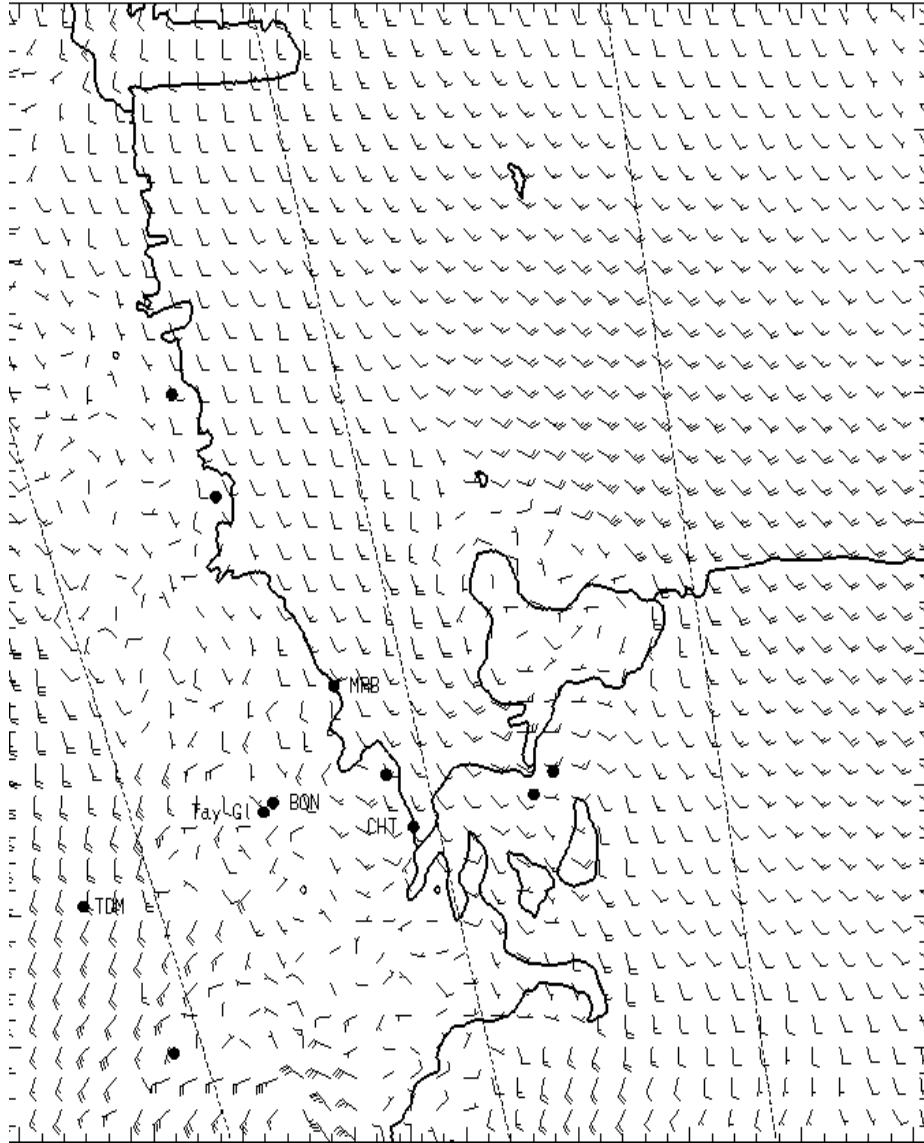


0700L

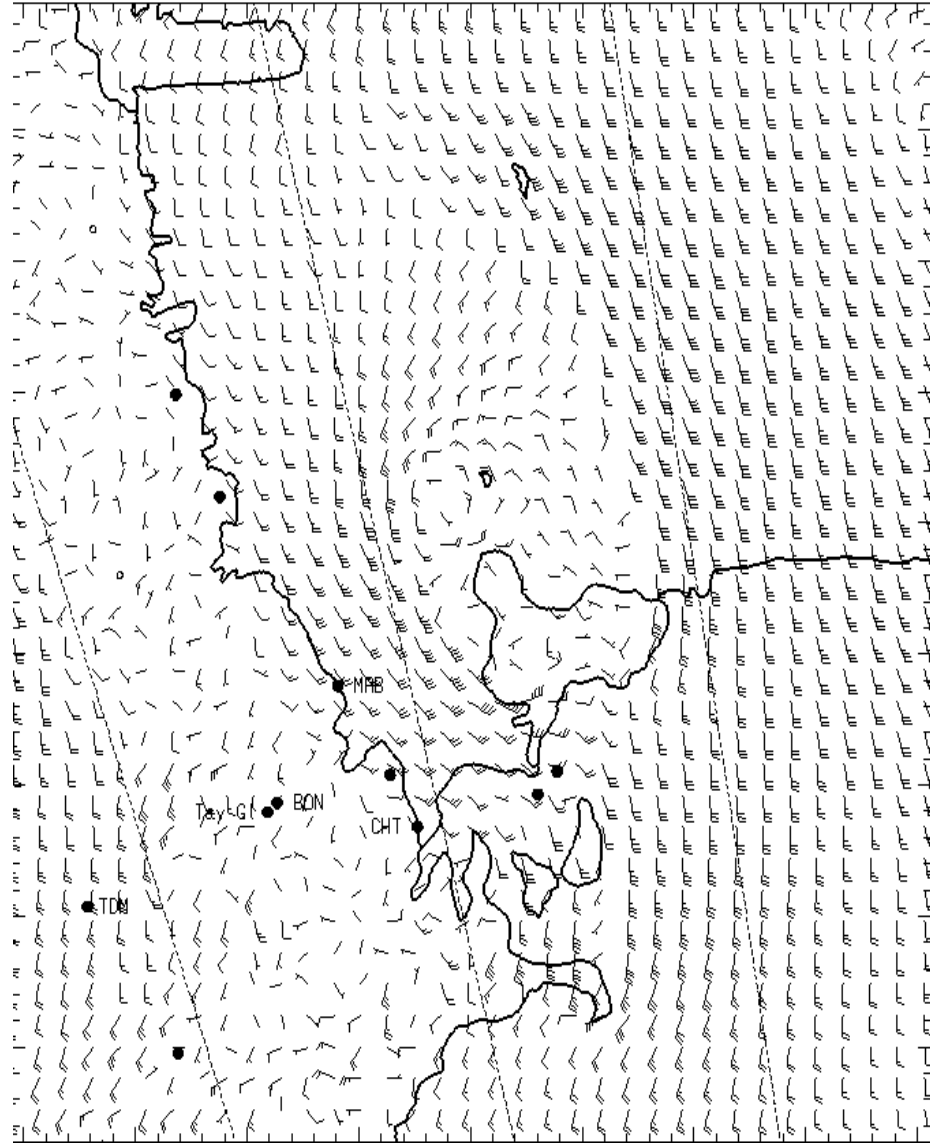


1300L

1,000 ft AGL

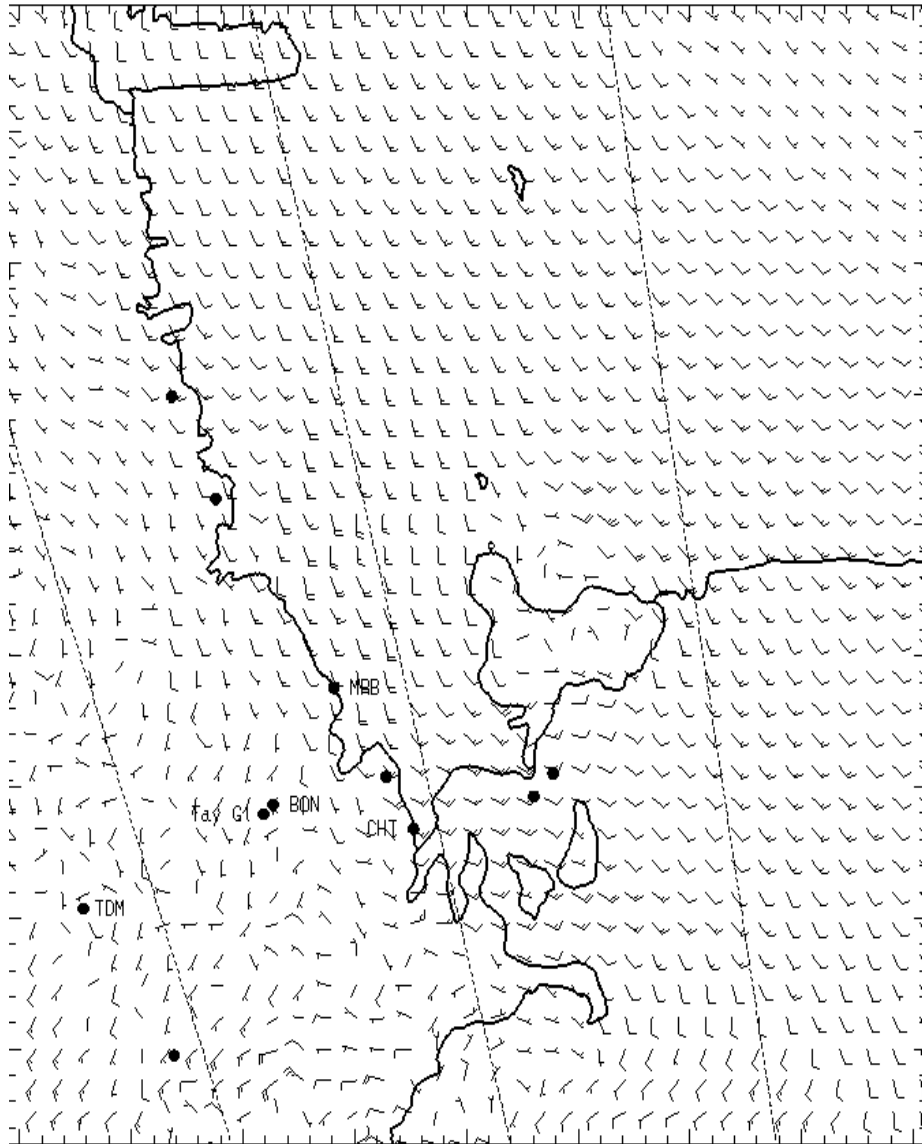


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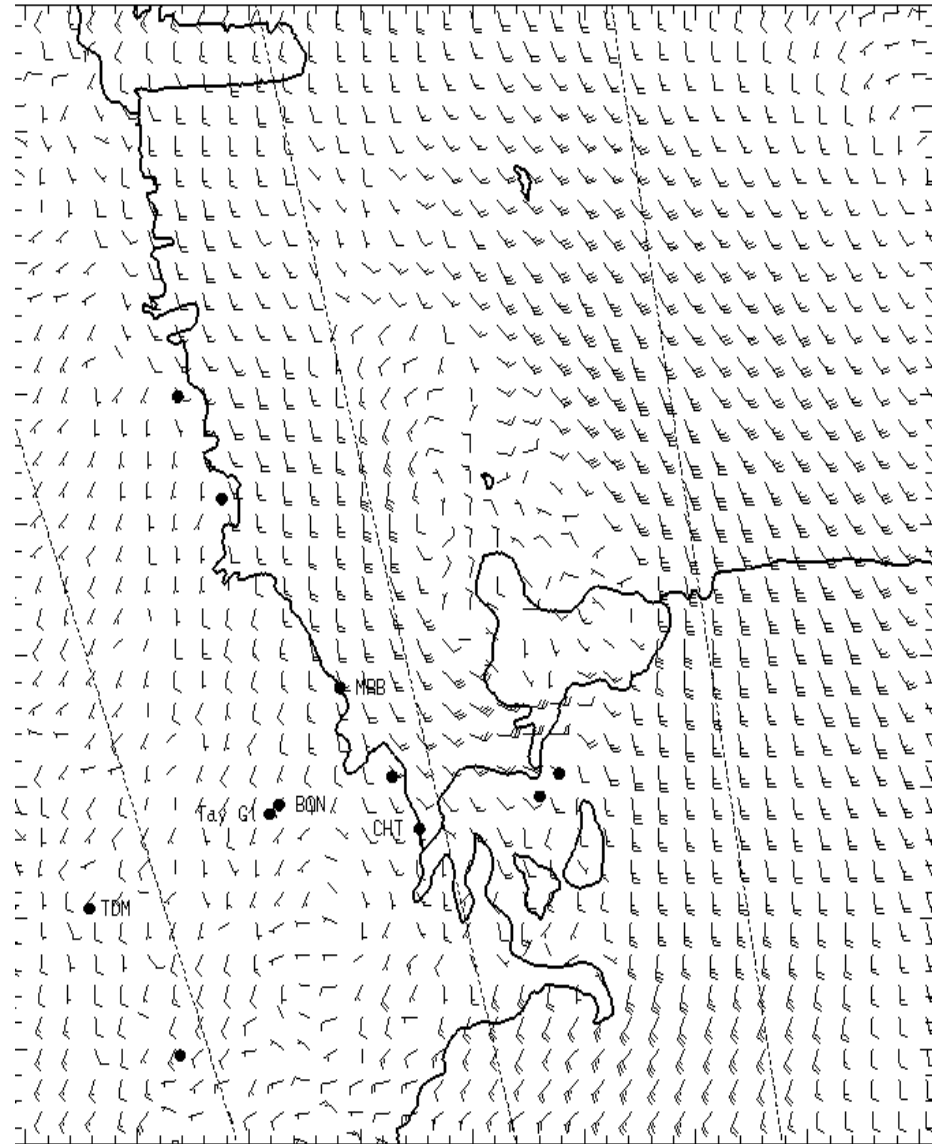


1300L

3,000 ft AGL

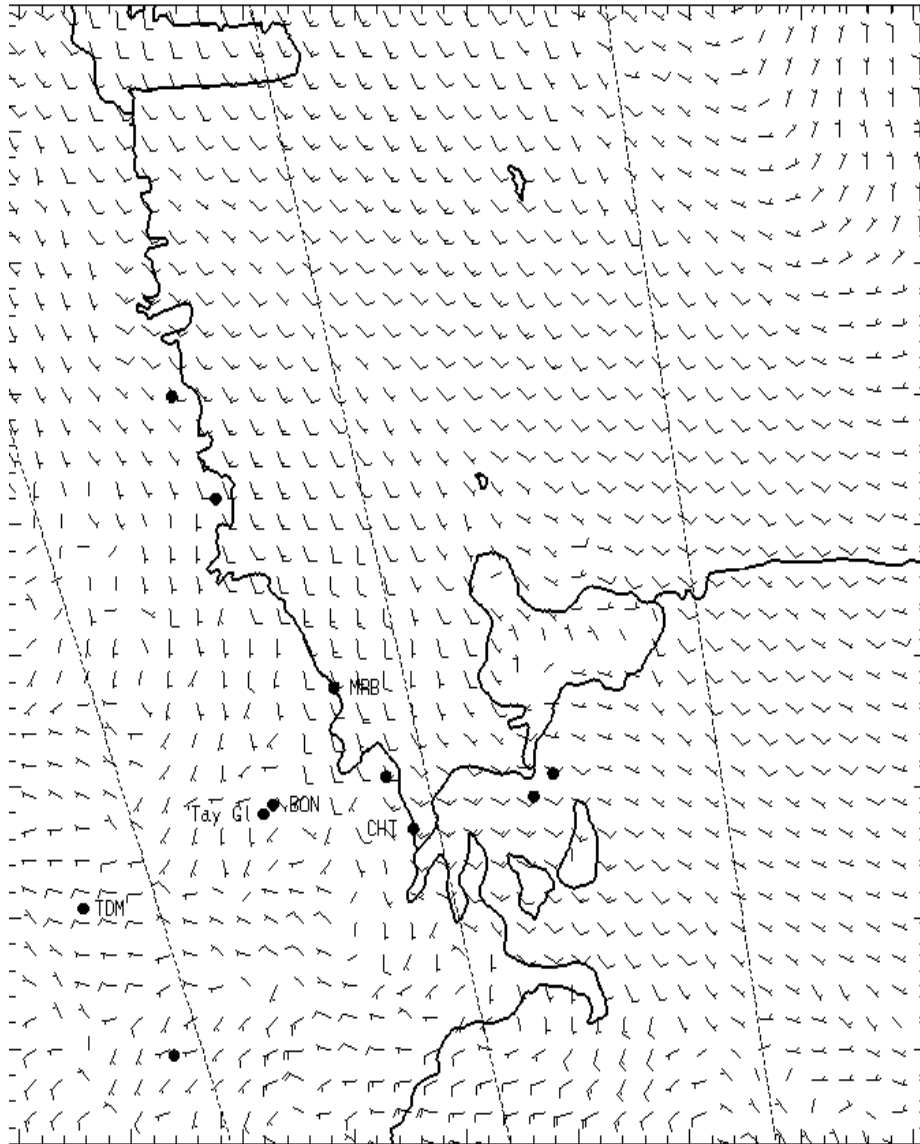


0700L

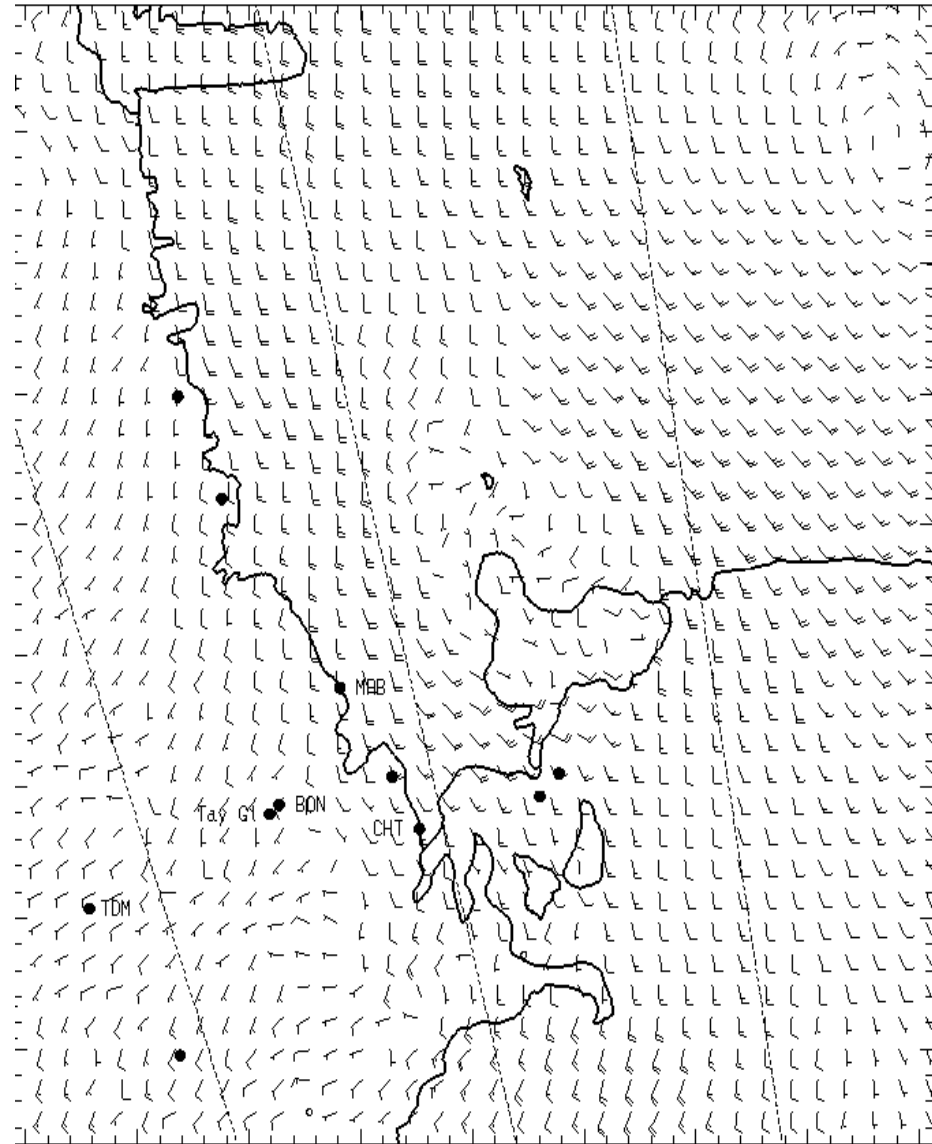


1300L

5,000 ft AGL



0700L



1300L