



HELO Weather

McMurdo Weather
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Briefing Counter: x43353

Date (L): Friday, 3 February 2023

Brief Time (L): 0615

Briefing Number: 02-03

FCSTR: Jeff Fournier

REGIONAL SUMMARY

A large low pressure system will develop over the south-central Ross Sea today. The interaction between this system and the Transantarctic Mountains (and other terrain) will drive strong south-southeast winds today, mainly in areas not shielded by upstream terrain (such as the Dry Valleys). Winds will be particularly strong at Cape Crozier and at the airfields. These strong winds passing over and around terrain will generate moderate to occasionally severe turbulence. Additionally, poor visibility is likely in blowing snow where there is sufficient freshly fallen snow upwind. Areas of clouds and light snow will persist, mainly along the south and east facing slopes of Ross Island.

HAZARDS

MODERATE TO OCCASIONALLY SEVERE TURBULENCE OVER AND NEAR HIGHER TERRAIN, INCLUDING OBSERVATION HILL, THE AIRFIELDS, AND THE CAPES OF ROSS ISLAND, EXTENDING AS HIGH AS 060 FT ABOVE MSL.

AREAS OF LIFR VISIBILITY IN BLSN AND -SN OVER THE ROSS ICE SHELF AND AREAS WHERE FRESH SNOW IS EXPOSED TO STRONG WINDS.

IFR VISIBILITY (HORIZONTAL AND VERTICAL) LEH TONIGHT.

AREAS OF MVFR CEILINGS, MAINLY ALONG BASE OF ROSS ISLAND MOUNTAINS.

LATEST MCMURDO OBSERVATION

METAR ZCMA 021641Z AUTO 06008KT 1200 -SN BR OVC023 M07/M10 A2899 RMK AO2 SLP821 GRID23008KT

RUNWAY TAFS

TAF NZWD 021458Z 0215/0315 (0304/0404NZDT) 07006KT 4800 -SN BR FEW015 BKN030 OVC040 600305 QNH2895INS
GRID24006KT

TEMPO 0218/0222 (0307/0311) 15020G30KT 0800 -SN BLSN BKN015 600155 530001 GRID32020G30KT
BECMG 0220/0222 (0309/0311) 15020G35KT 0800 SN DRSN SCT015 BKN030 OVC040 600303 530006 QNH2889INS
GRID32020G35KT

TAF NZFX 021458Z 0215/0315 (0304/0404NZDT) 07008KT 9000 -SN FEW015 BKN030 OVC040 600305 QNH2895INS
GRID24008KT

TEMPO 0218/0222 (0307/0311) 15025G35KT 0800 -SN BLSN SCT015 BKN025 600255 530001 GRID32025G35KT
BECMG 0220/0222 (0309/0311) 15025G35KT 0800 -SN BLSN FEW015 BKN040 OVC050 600402 530006 QNH2887INS
GRID32025G35KT

MCMURDO HELIPAD FORECAST (VALID TIME: 03/0600L – 03/1800L)

SFC WIND (TRUE): 08009KT BECMG 12015G25KT AFT 08L

SFC VISIBILITY (SM): 3-5 BECMG 2-4 -SN BR AND BLSN

SKY CONDITION (MSL): SCT015 BKN020 OVC050

MIN ALSTG: 2887INS

HAZARDS: MDT OCNL SVR TURBC SFC-060 AFT 07L; TRACE ICG IN CLOUD

SITE & AREA FORECASTS (VALID TIME: 03/0600L – 03/1800L)

MARBLE POINT

SFC WIND (TRUE): 16008KT BECMG 14013KT AFT 12L

SFC VISIBILITY (SM): UNR

SKY CONDITION (MSL): FEW020 BKN-OVC50

MIN ALSTG: 2888INS

HAZARDS: NIL

LAKE HOARE

SFC WIND (TRUE): VRB06KT

SFC VISIBILITY (SM): UNR

SKY CONDITION (MSL): SCT-BKN060

MIN ALSTG: 2884INS

HAZARDS: NIL

LAKE FRYXELL

SFC WIND (TRUE): VRB06KT

SFC VISIBILITY (SM): UNR

SKY CONDITION (MSL): SCT-BKN060

MIN ALSTG: 2889INS

HAZARDS: NIL

F6

SFC WIND (TRUE): VRB06KT

SFC VISIBILITY (SM): UNR

SKY CONDITION (MSL): SCT-BKN060

MIN ALSTG: 2889INS

HAZARDS: NIL

ADAMS SG/GL

SFC WIND (TRUE): VRB06KT BECMG 15013KT AFT 13L

SFC VISIBILITY (SM): UNR

SKY CONDITION (MSL): SCT-BKN060

MIN ALSTG: 2876INS

HAZARDS: NIL

GARWOOD VALLEY

SFC WIND (TRUE): VRB06KT BECMG 09012KT AFT 14L

SFC VISIBILITY (SM): UNR

SKY CONDITION (MSL): SCT-BKN060

MIN ALSTG: 2877INS

HAZARDS: NIL

MIERS VALLEY

SFC WIND (TRUE): VRB06KT BECMG 15014KT AFT 13L

SFC VISIBILITY (SM): UNR

SKY CONDITION (MSL): SCT-BKN060

MIN ALSTG: 2876INS

HAZARDS: NIL

CAPE CROZIER

SFC WIND (TRUE): 21025G35KT BECMG 21025KT G45KT AFT 14L
SFC VISIBILITY (SM): 1 OR LESS IN –SN AND BLSN
SKY CONDITION (MSL): SCT007 BKN012 OVC030 TEMPO VV004
MIN ALSTG: 2881INS
HAZARDS: MDT-OCNL SVR TURBC SFC-010, TRACE ICG IN CLOUD

LOWER EREBUS HUT

SFC WIND (TRUE): 15015KT
SFC VISIBILITY (SM): UNR DRSN
SKY CONDITION (MSL): UNR BECMG SCT-BKN130
MIN ALSTG: 2808INS
HAZARDS: NIL

CONEZ

SFC WIND (TRUE): 15015KT
SFC VISIBILITY (SM): UNR DRSN
SKY CONDITION (MSL): UNR BECMG SCT-BKN130
MIN ALSTG: 2808INS
HAZARDS: NIL

UPPER EREBUS APPLE

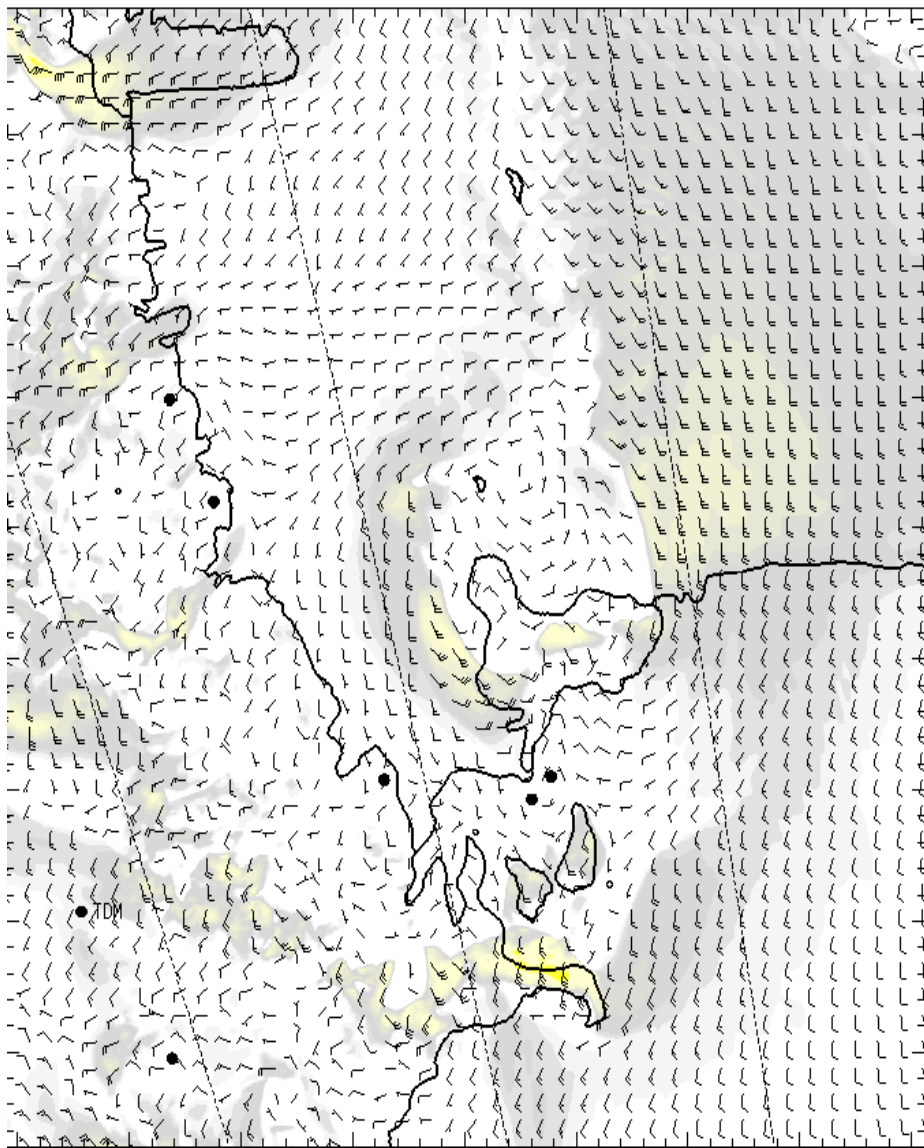
SFC WIND (TRUE): 15015KT
SFC VISIBILITY (SM): UNR DRSN
SKY CONDITION (MSL): UNR BECMG SCT-BKN130
MIN ALSTG: 2808INS
HAZARDS: NIL

NIGHT AREA OUTLOOKS (VALID TIME: 03/1800L – 04/0600L)

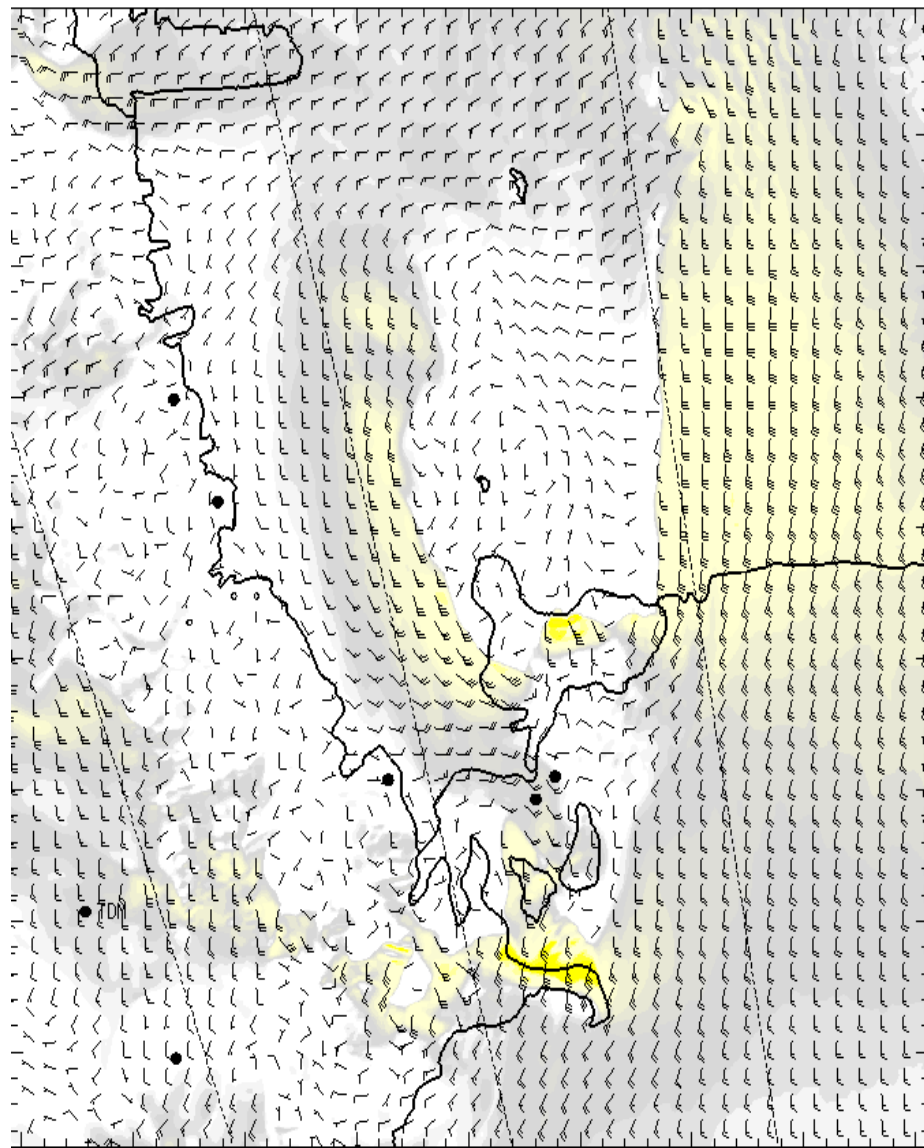
LOWER EREBUS HUT

SFC WIND (TRUE): 17020KT
SFC VISIBILITY (SM): 1-3 –SN BR BLSN
SKY CONDITION (MSL): VV006
MIN ALSTG: 2808INS
HAZARDS: LGT TURBC SFC-010 AGL

SFC

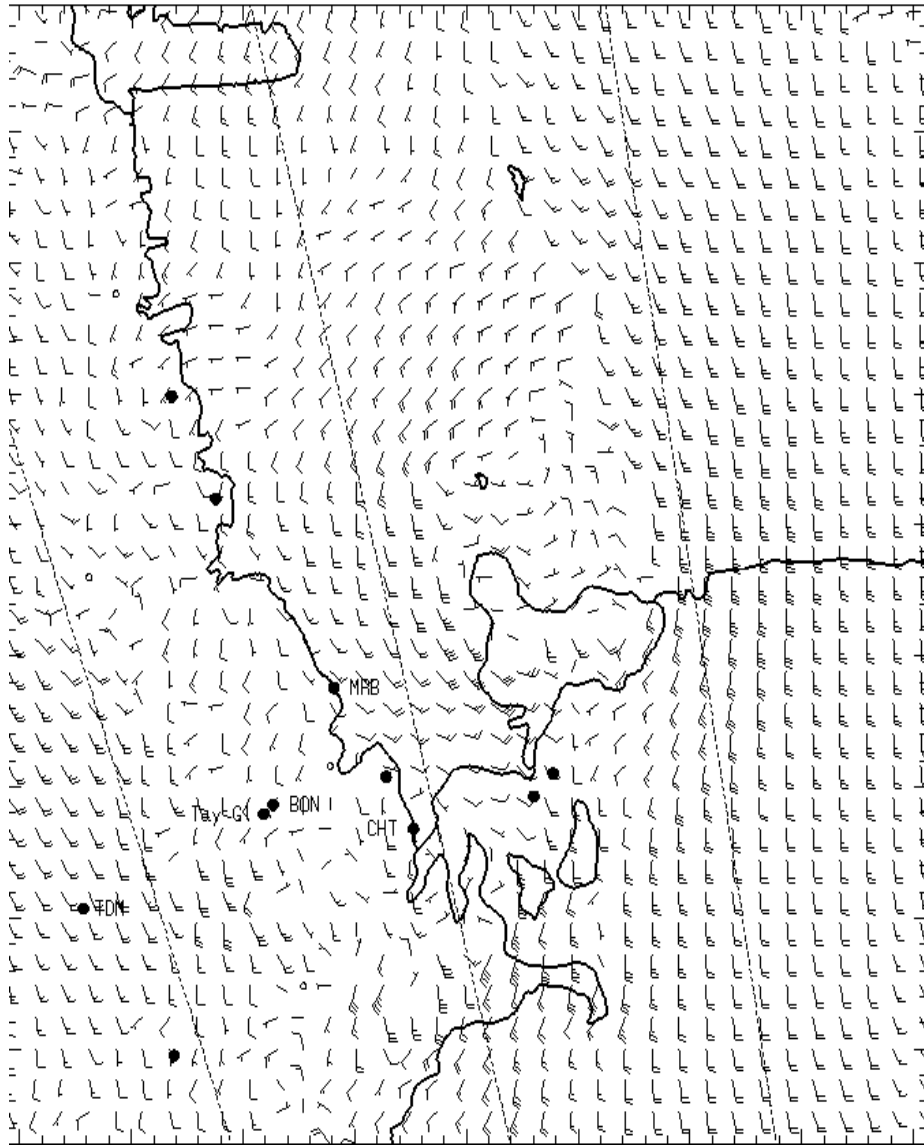


0700L

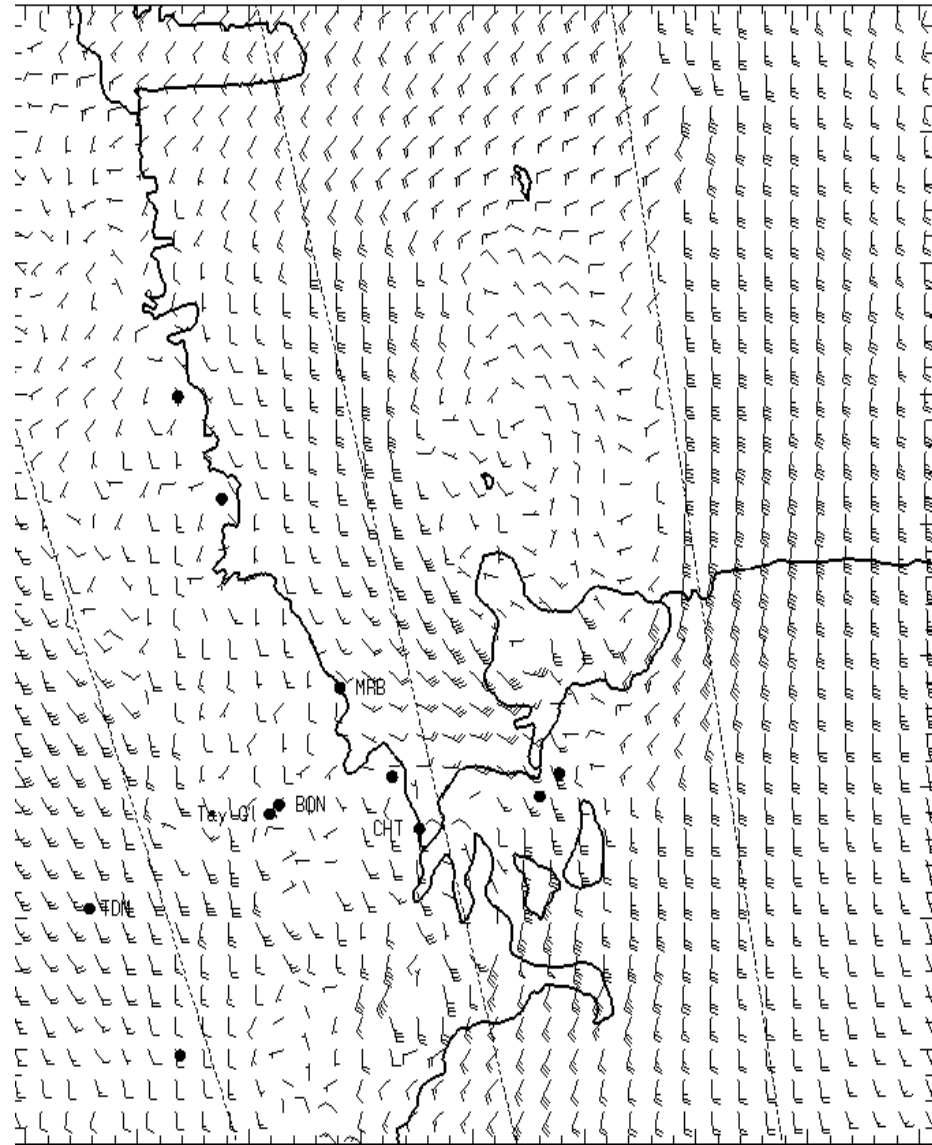


1300L

1,000 ft AGL

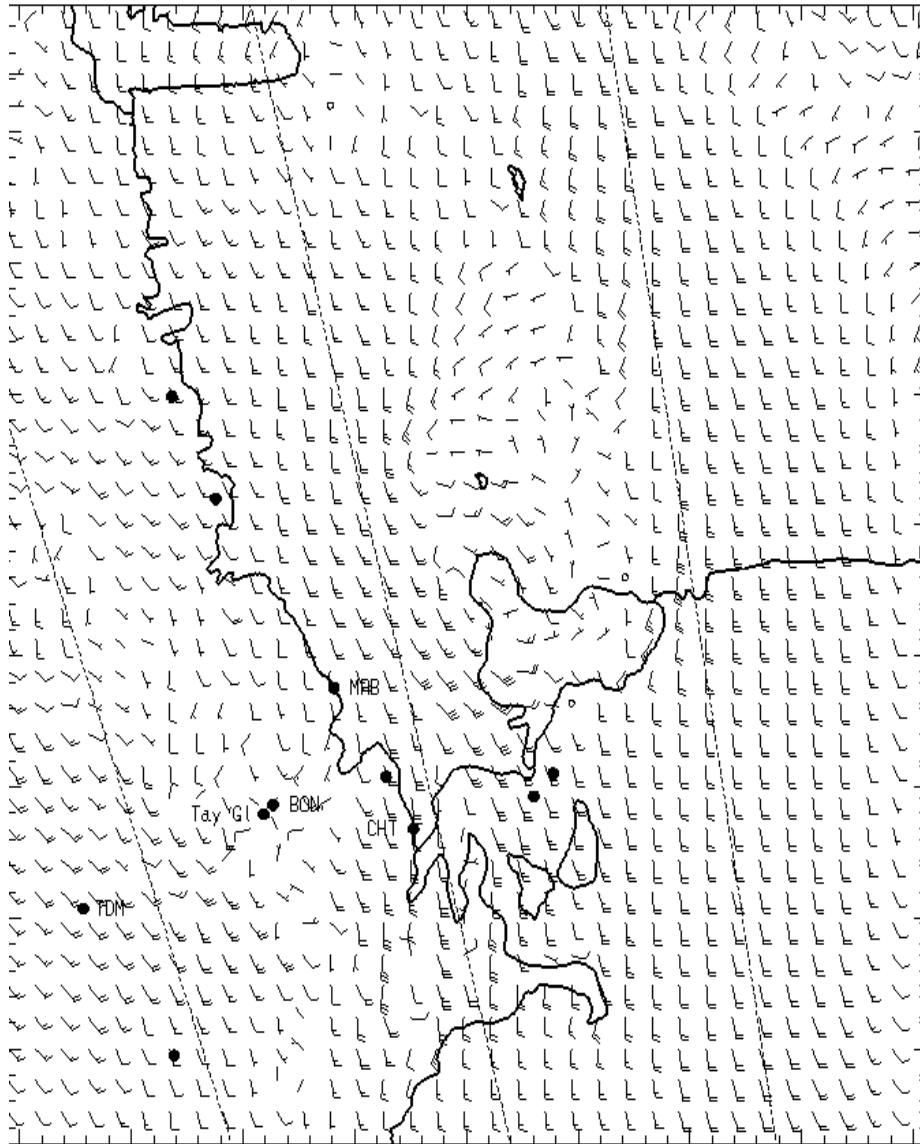


0700L

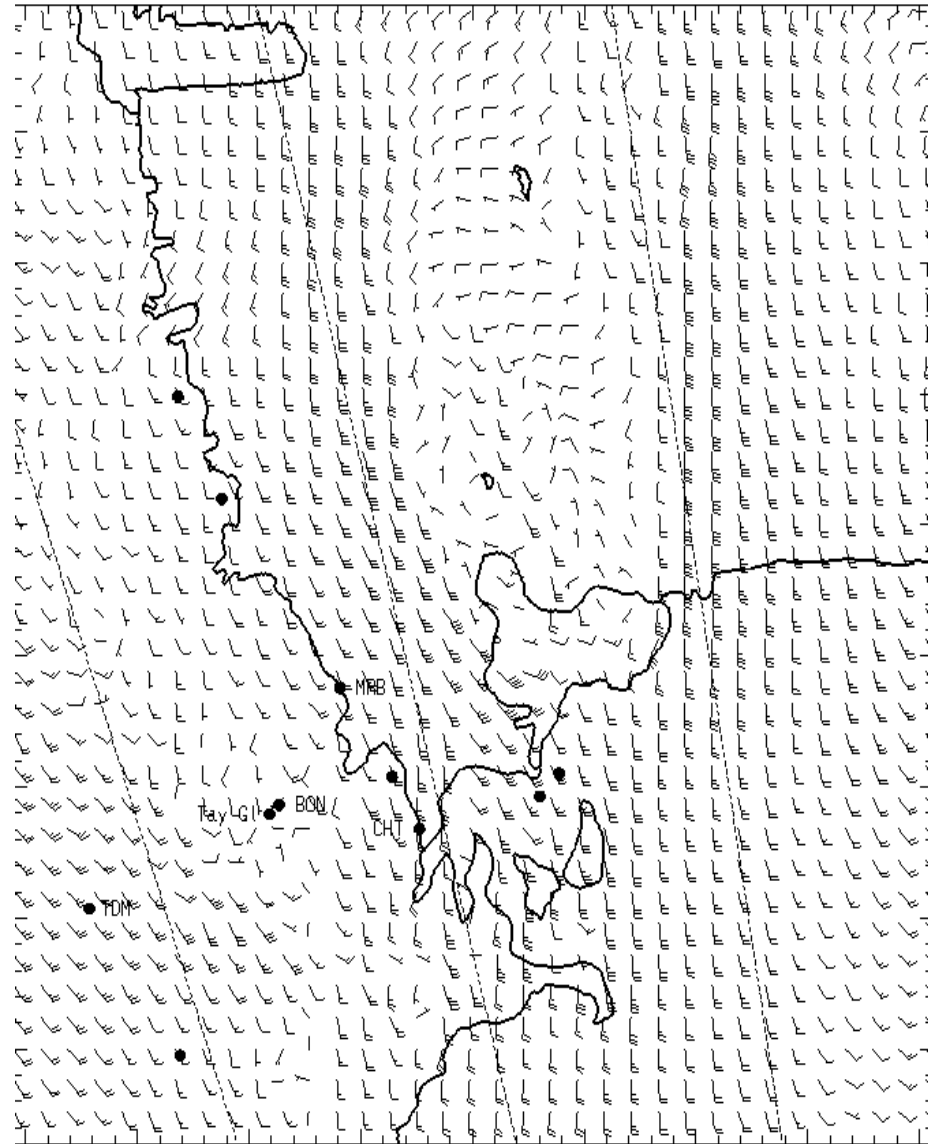


1300L

3,000 ft AGL

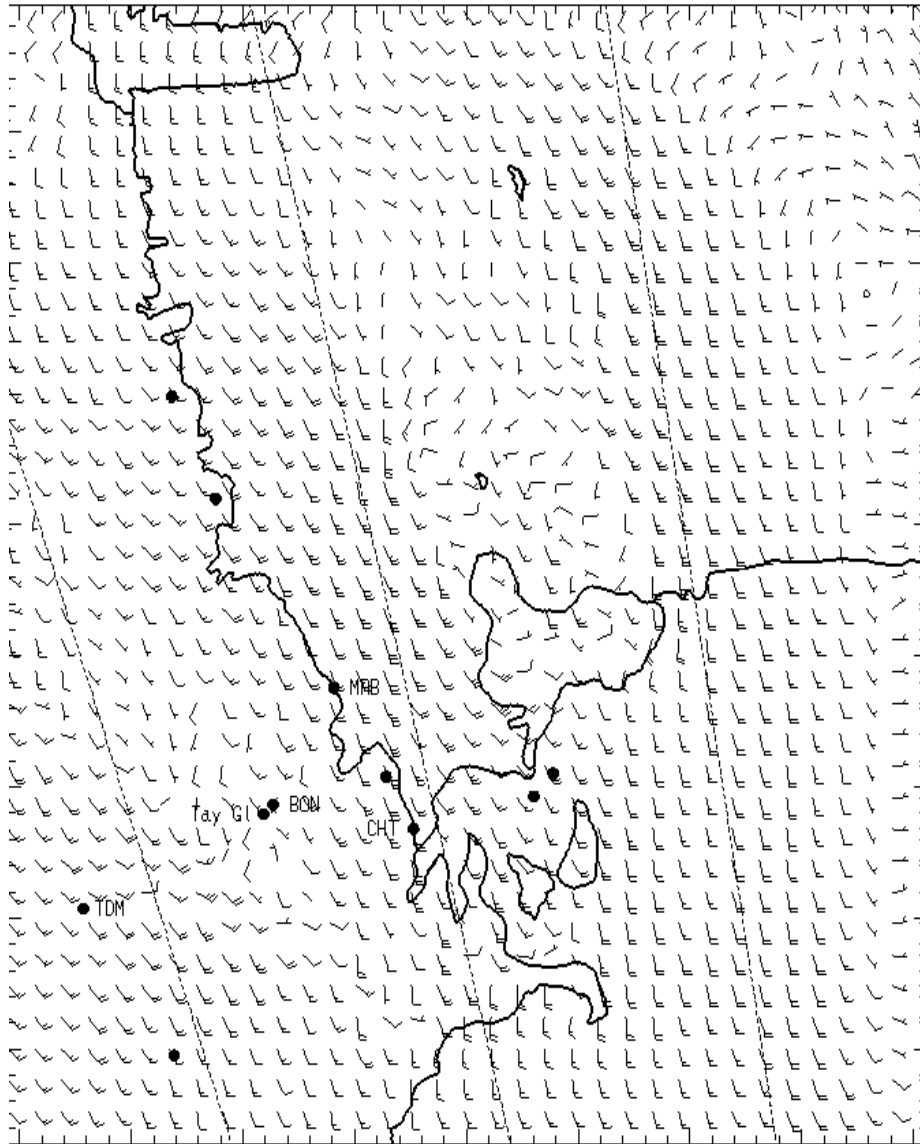


0700L

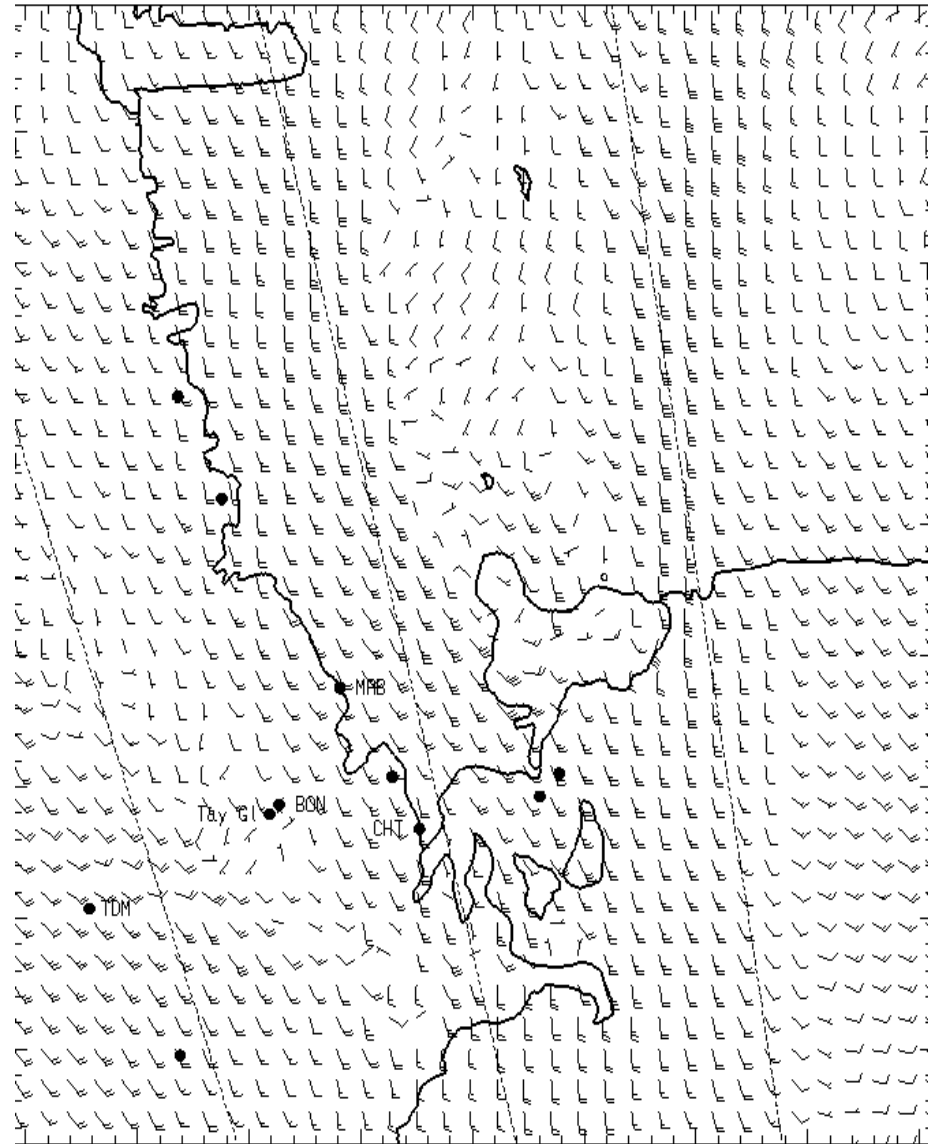


1300L

5,000 ft AGL



0700L



1300L