



HELO Night Weather

McMurdo Weather
Email: mcm.weather.forecaster@usap.gov
Iridium: 00 8816 7632 0030
Duty Forecaster: x42524
Briefing Counter: x43353

Date (L): Friday, 3 February 2023

Brief Time (L): 1815

Briefing Number: 02-02

FCSTR: Chris Dunstone

REGIONAL SUMMARY

A large low pressure system is currently over the south-central Ross Sea. 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 NZCM 030355Z AUTO 12022G35KT 9999 OVC065 M07/M10 A2891 RMK AO2 PK WND 13035/0352 SLP793 T10711097=

RUNWAY TAFS

TAF NZWD 030259Z 0303/0403 (0316/0416NZDT) 15015KT 4800 BLSN BKN020 OVC050 600204 QNH2889INS
GRID32015KT

TEMPO 0303/0306 (0316/0319) 17025G30KT 0400 BLSN OVC010 600105 530006 GRID34025G30KT

BECMG 0306/0308 (0319/0321) 11015G25KT 9999 DRSN SCT015 BKN050 QNH2886INS GRID28015G25KT

BECMG 0312/0314 (0401/0403) 09012KT 9999 NSW FEW020 SCT050 QNH2885INS WND GRID22012KT AFT 0320
GRID26012KT

TAF NZFX 030259Z 0303/0403 (0316/0416NZDT) 18025G35KT 0800 BLSN FEW015 BKN030 OVC050 600303 QNH2887INS
GRID35025G35KT

TEMPO 0303/0306 (0316/0319) 18030G45KT 0200 BLSN BKN010 BKN030 OVC050 600105 530006 GRID35030G45KT

BECMG 0311/0313 (0400/0402) 11015G25KT 6000 BLSN FEW015 BKN050 QNH2886INS GRID28015G25KT

BECMG 0317/0319 (0406/0408) 05010G18KT 9999 NSW FEW020 SCT050 QNH2887INS GRID22010G18KT

MCMURDO HELIPAD NIGHT FORECAST (VALID TIME: 03/1800L-04/0600L)

SFC WIND (TRUE): 11025G35KT

SFC VISIBILITY (SM): UNR

SKY CONDITION (MSL): FEW020 OVC050, BECMG FEW020 SCT-BKN050 AFT03L

MIN ALSTG: 2986INS

HAZARDS: MDT TURBC SFC-060

NIGHT AREA OUTLOOKS (VALID TIME: 03/1800L-04/0600L) * (NIGHT OUTLOOKS WILL BE UPDATED BY 1800L) *****

MIERS VALLEY

SFC WIND (TRUE): 12015KT, BECMG VRB06KT AFT 00L

SFC VISIBILITY (SM): UNR

SKY CONDITION (MSL): FEW020

MIN ALSTG: 2876INS

HAZARDS: NIL

LAKE FRYXELL

SFC WIND (TRUE): VRB06KT

SFC VISIBILITY (SM): UNR

SKY CONDITION (MSL): FEW020

MIN ALSTG: 2889INS

HAZARDS: NIL

LAKE HOARE

SFC WIND (TRUE): VRB06KT, 22012KT AFT 01L

SFC VISIBILITY (SM): UNR

SKY CONDITION (MSL): FEW020

MIN ALSTG: 2883INS

HAZARDS: NIL

F6

SFC WIND (TRUE): VRB06KT

SFC VISIBILITY (SM): UNR

SKY CONDITION (MSL): FEW020 FEW060

MIN ALSTG: 2889INS

HAZARDS: NIL

CAPE CROZIER

SFC WIND (TRUE): 21035G45KT

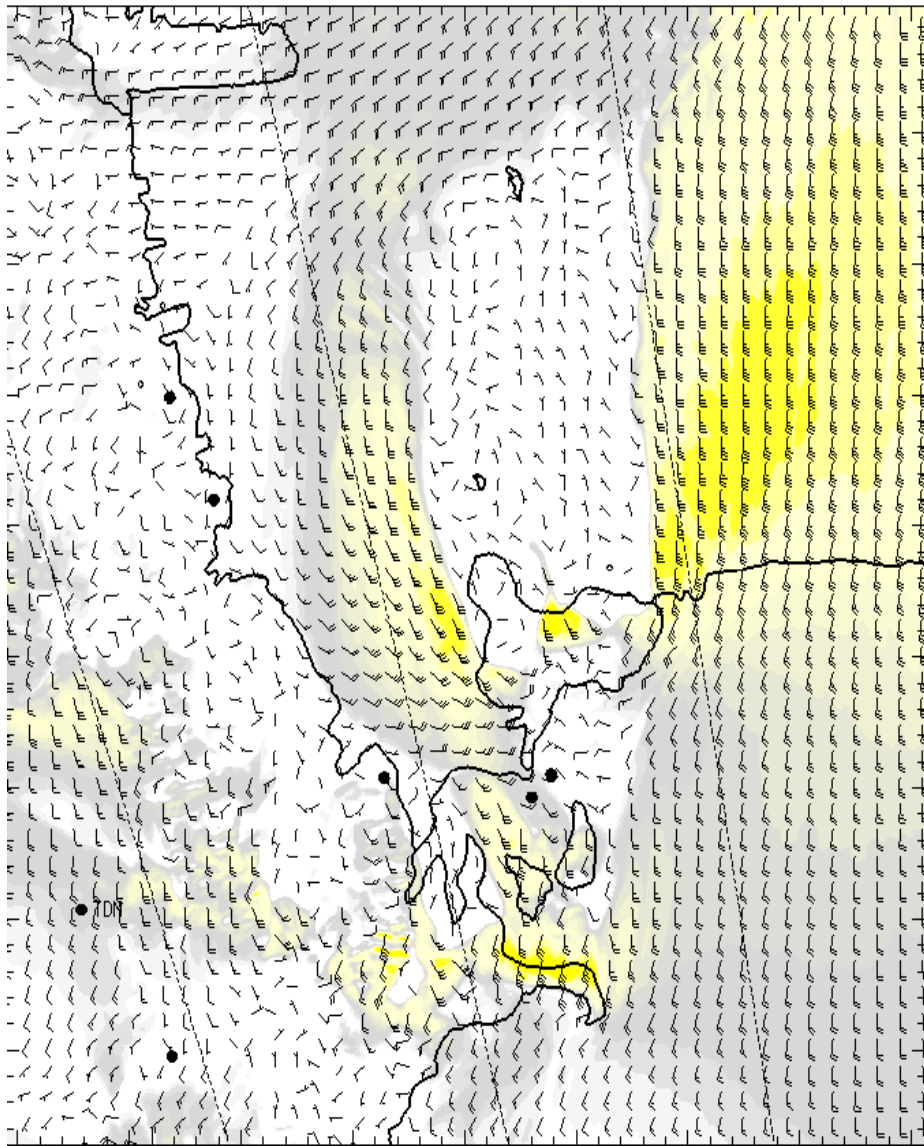
SFC VISIBILITY (SM): 1 OR LESS IN -SN AND BLSN

SKY CONDITION (MSL): SCT-BKN015 BKN030

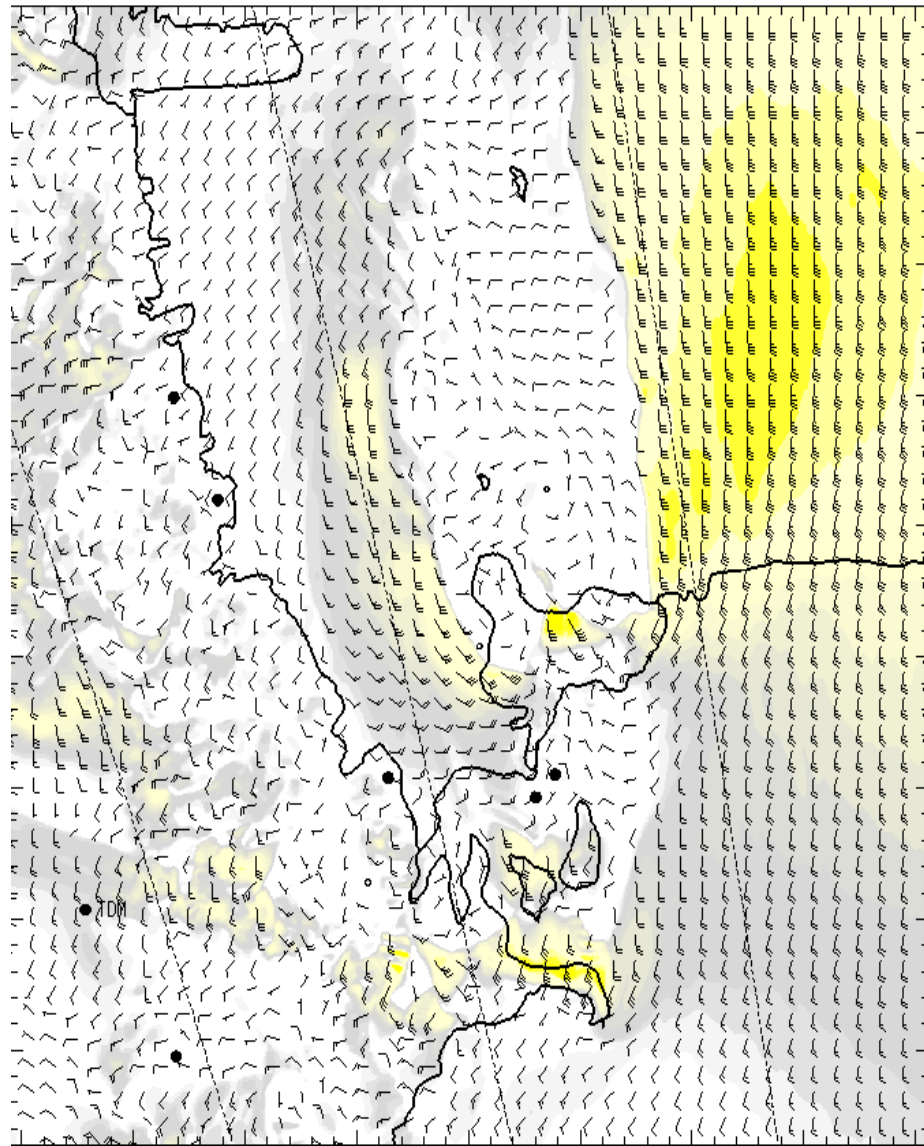
MIN ALSTG: 2882INS

HAZARDS: MDT-OCNL SVR TURBC SFC-010, TRACE ICG IN CLOUD

SFC

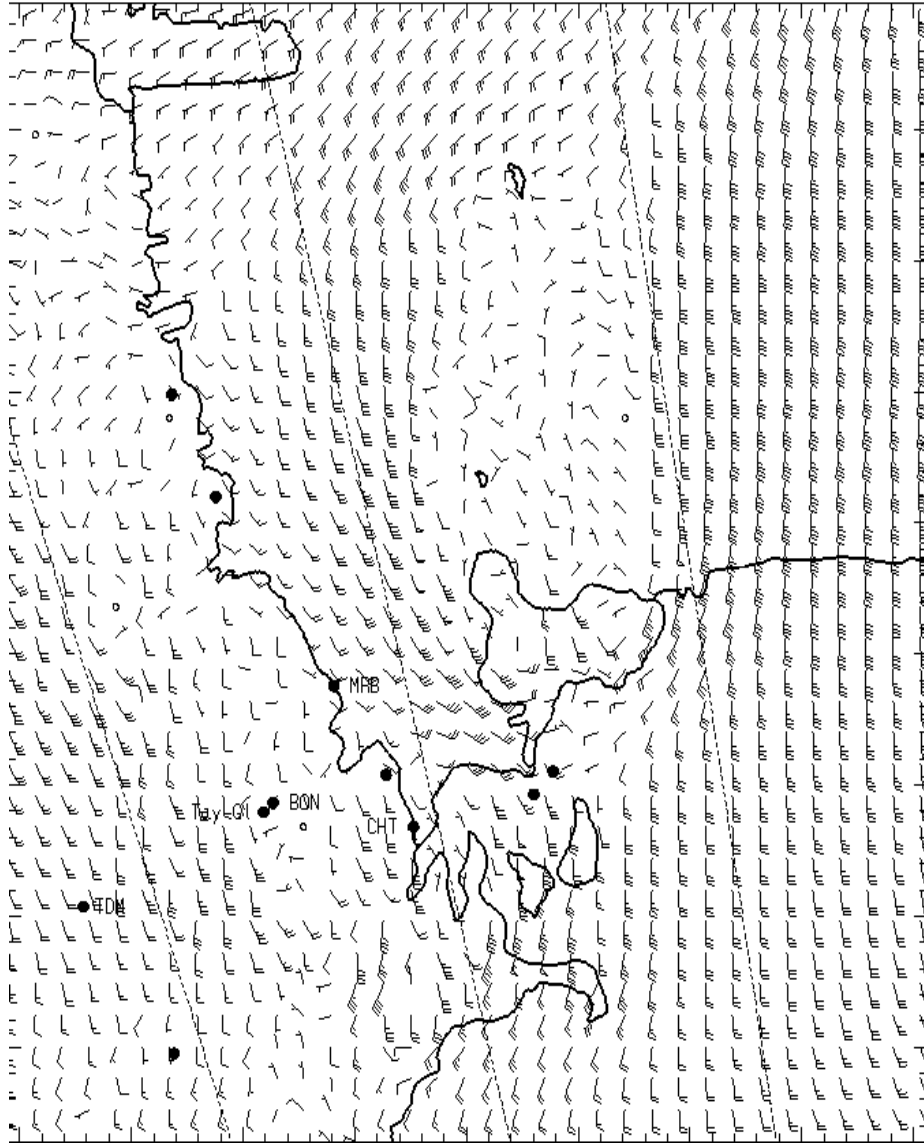


1900L

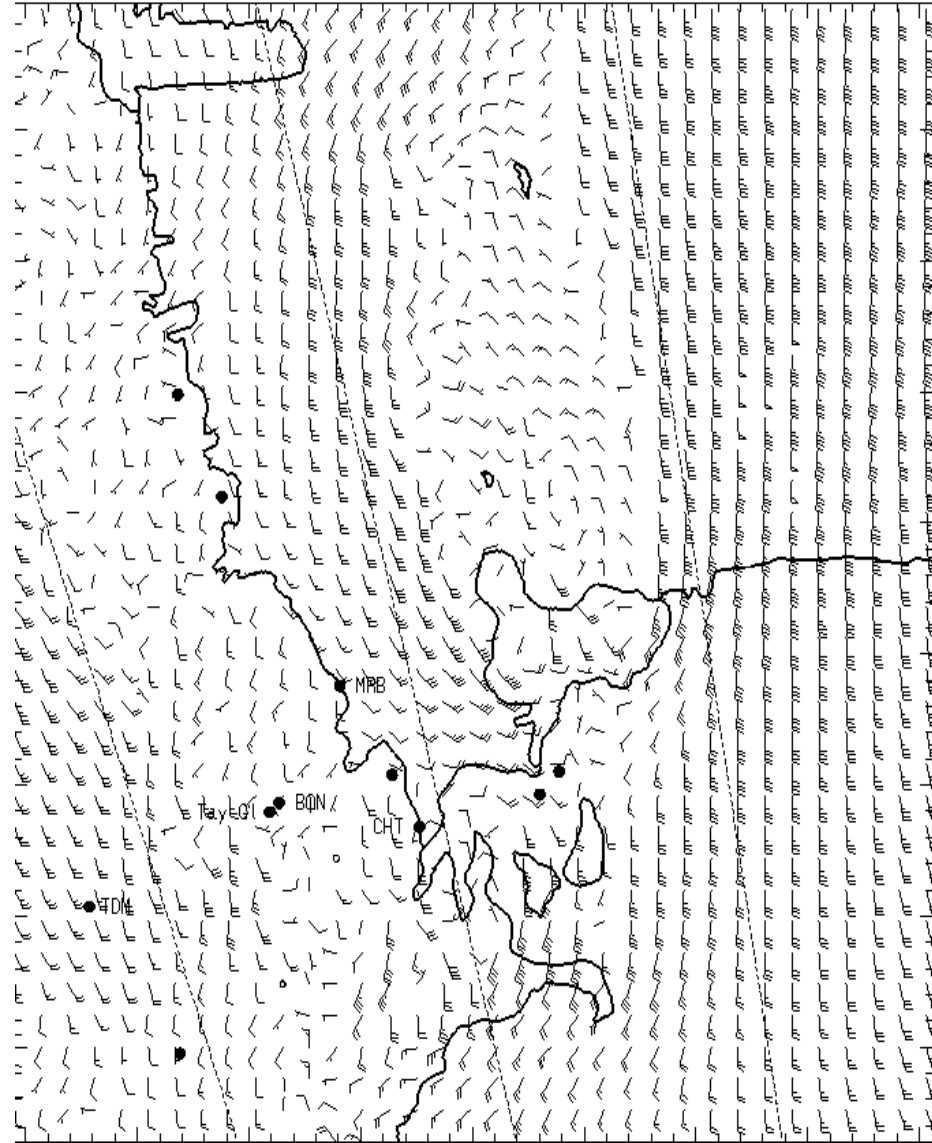


0100L

1,000 ft AGL

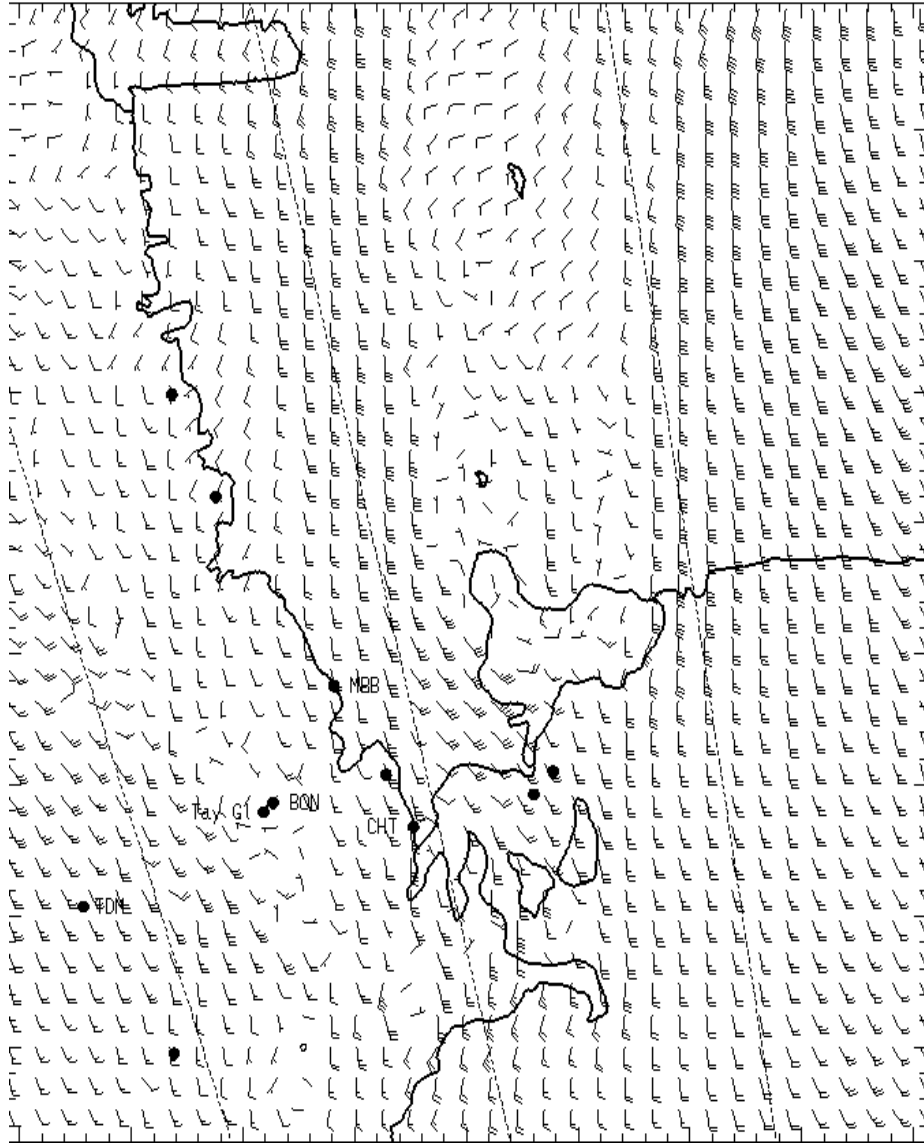


1900L

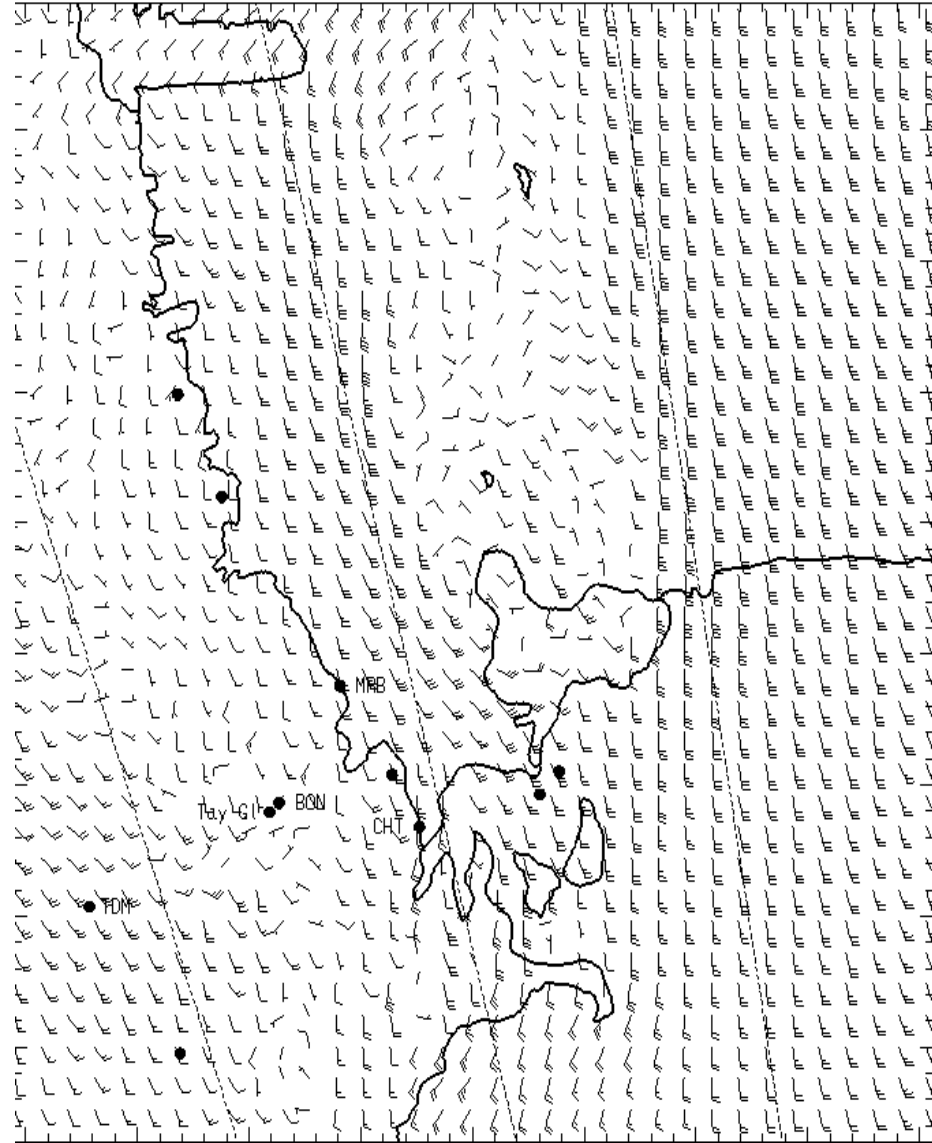


0100L

3,000 ft AGL

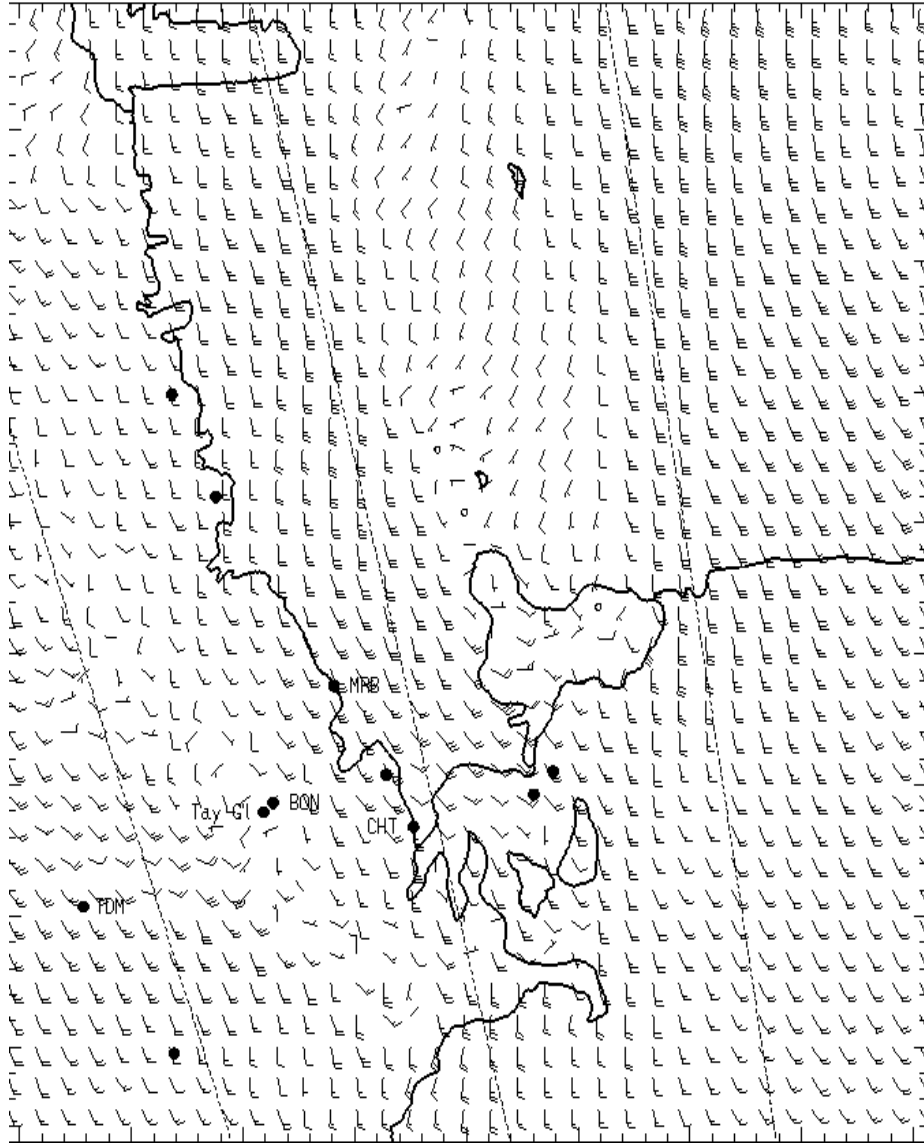


1900L

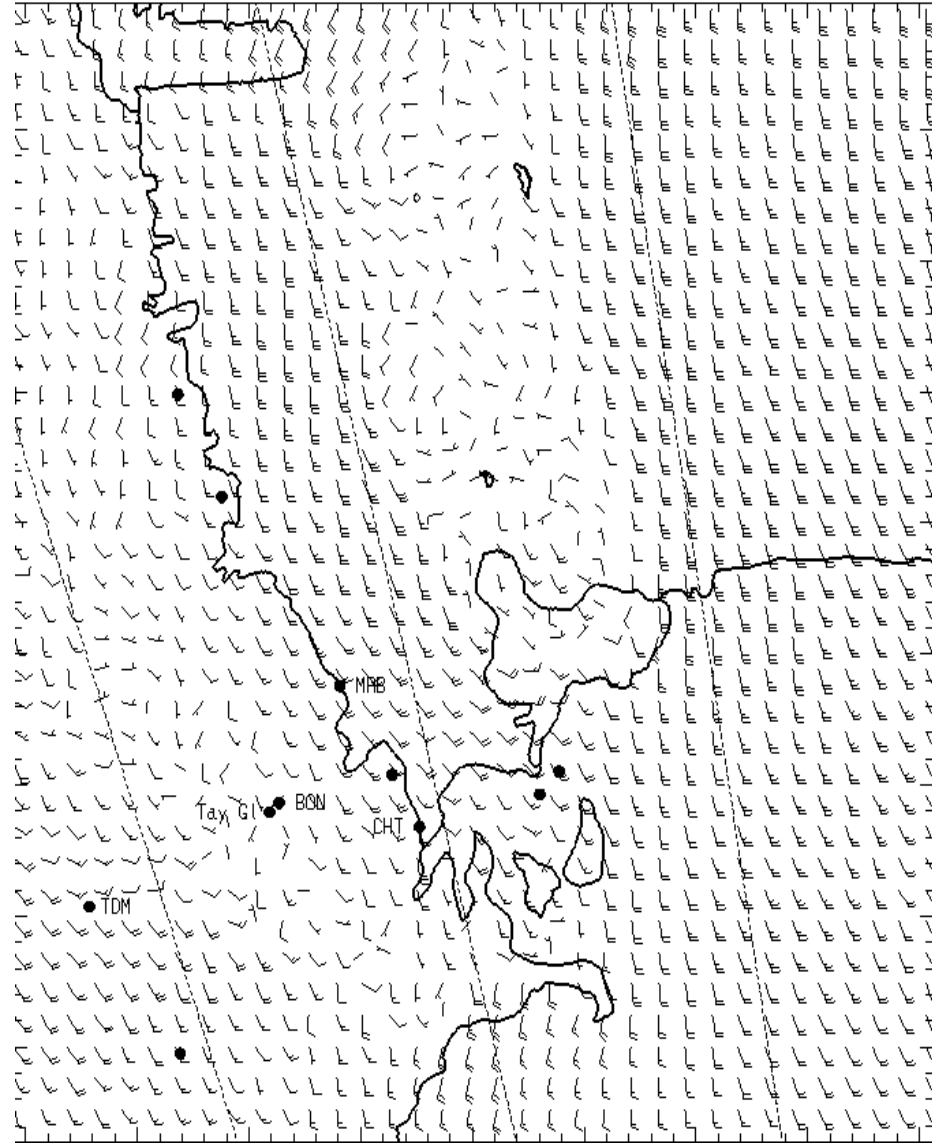


0100L

5,000 ft AGL



1900L



0100L