



HELO Weather

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

Date (L): Friday, 16 December 2022

Brief Time (L): 0615

Briefing Number: 12-14

FCSTR: Alan Stratton

REGIONAL SUMMARY

A fairly vigorous low pressure trough will move north across the Ross Island region today. It will bring gusty winds, clouds, and snow to the more "exposed" portions of the forecast area (i.e. airfields, Minna Bluff, Black & White Islands, and Ross Island). Sky conditions and low visibility due to snow will improve mid to late afternoon as the trough moves north of Ross Island, but winds will be a bit slower to diminish. As usual, the Dry Valleys region will be more shielded from the effects of this system.

HAZARDS

SEVERE TURBULENCE NEAR AND OVER MINNA BLUFF AND BLACK & WHITE ISLANDS.

ELSEWHERE, GENERALLY LIGHT TO MODERATE TURBULENCE AT AIRFIELDS AND ROSS ISLAND.

LGT RIME ICG IN CLOUDS AND/OR SN.

AREAS OF IFR VISIBILITY IN SN, MAINLY ROSS ISLAND AND MCMURDO SOUND, AND UPSTREAM TOWARD BLACK & WHITE ISLANDS AND MINNA BLUFF.

LATEST MCMURDO OBSERVATION

METAR ZCMA 151622Z AUTO 16019KT 9999 BKN075 OVC090 M02/M06 A2891 RMK AO2 SLP792 GRID33019KT=

RUNWAY TAFS

TAF NZFX 151457Z 1515/1615 (1604/1704NZDT) 16016KT 9999 SCT020 BKN040 520009 QNH2891INS GRID33016KT

BECMG 1516/1518 (1605/1607) 16018G28KT 6000 -SN FEW012 BKN025 OVC035 620257 520009 QNH2892INS
GRID33018G28KT

BECMG 1600/1602 (1613/1615) 17017KT 9999 -SN DRSN FEW015 BKN025 620257 520009 QNH2891INS GRID34017KT

BECMG 1607/1609 (1620/1622) 09010KT 9999 NSW SCT025 BKN050 QNH2891INS GRID26010KT

TAF NZWD 151457Z 1515/1615 (1604/1704NZDT) 16015KT 9999 SCT020 OVC040 520009 QNH2891INS GRID33015KT

BECMG 1516/1518 (1605/1607) 16018G28KT 6000 -SN SCT012 OVC020 620208 520009 QNH2892INS GRID33018G28KT

TEMPO 1518/1524 (1607/1613) 1600 -SN BLSN SCT007 BKN010 OVC020 620109 520009

BECMG 1600/1602 (1613/1615) 16015KT 8000 -SN DRSN SCT012 BKN025 620257 520009 QNH2892INS GRID33015KT

BECMG 1607/1609 (1620/1622) 09010KT 9999 NSW SCT025 BKN050 QNH2892INS GRID26010KT

MCMURDO HELIPAD FORECAST (VALID TIME: 16/0600L – 16/1800L)

SFC WIND (TRUE): 16015G25KT
SFC VISIBILITY (SM): UNR, OCNL 1-3 –SN BEFORE 14L
SKY CONDITION (AGL): SCT012 OVC020, TEMPO SCT007 BKN010 OVC020 06L-13L
MIN ALSTG: 2890INS
HAZARDS: OCNL MDT TURBC. LGT RIME ICING IN CLOUD AND/OR SN

SITE & AREA FORECASTS (VALID TIME: 16/0600L – 16/1800L)

SCOTT BASE

SFC WIND (TRUE): 16015G25KT
SFC VISIBILITY (SM): UNR, OCNL 1-3 –SN BEFORE 14L
SKY CONDITION (AGL): SCT012 OVC020, TEMPO SCT007 BKN010 OVC020 06L-13L
MIN ALSTG: 2890INS
HAZARDS: OCNL MDT TURBC. LGT RIME ICING IN CLOUD AND/OR SN

BLACK ISLAND

SFC WIND (TRUE): 18065G75KT
SFC VISIBILITY (SM): 1-3 –SN BR, TEMPO < ¼ - 1 SN BR BLSN
SKY CONDITION (AGL): SCT005 BKN010, TEMPO BKN000
MIN ALSTG: 2883INS
HAZARDS: SVR TURBC SFC-040, LGT RIME ICG IN CLOUD AND/OR SN

MINNA BLUFF

SFC WIND (TRUE): 20060G70KT
SFC VISIBILITY (SM): < ¼ SN BR BLSN
SKY CONDITION (AGL): VV002
MIN ALSTG: 2869INS
HAZARDS: SVR TURBC SFC-040, LGT RIME ICG IN CLOUD AND/OR SN

MARBLE POINT

SFC WIND (TRUE): 15010KT
SFC VISIBILITY (SM): UNR, TEMPO 2-4 –SN 10 - 16L
SKY CONDITION (AGL): SCT025 BKN050, TEMPO FEW 005 10-13L
MIN ALSTG: 2892INS
HAZARDS: OCNL LGT ICG 005 -035 11-14L

LAKE HOARE

SFC WIND (TRUE): 25012KT, BECMG VRB06KT AFT 10L
SFC VISIBILITY (SM): UNR, TEMPO 2-4 –SN BR 13-17L
SKY CONDITION (AGL): SCT020 BKN050, TEMPO FEW005 13-17L
MIN ALSTG: 2888INS
HAZARDS: NIL

CANADA GLACIER

SFC WIND (TRUE): VRB06KT

SFC VISIBILITY (SM): UNR, TEMPO 5-6 BR 12-16L

SKY CONDITION (AGL): SCT020 BKN050, TEMPO BKN018 14-18L

MIN ALSTG: 2888INS

HAZARDS: NIL

MESERVE GLACIER

SFC WIND (TRUE): VRB06KT

SFC VISIBILITY (SM): UNR, BECMG 2-4 BR AFT 12L, TEMPO < ½ FG 12-17L

SKY CONDITION (AGL): SCT045, TEMPO BKN010 12-20L

MIN ALSTG: 2880INS

HAZARDS: LGT RIME ICG SFC-010 AFT12L

WOLCOTT GLACIER

SFC WIND (TRUE): 06009KT

SFC VISIBILITY (SM): UNR

SKY CONDITION (AGL): SCT080, TEMPO SCT025 BKN075 AFT 15L

MIN ALSTG: 2877INS

HAZARDS: NIL

MT NEWALL

SFC WIND (TRUE): VRB06KT

SFC VISIBILITY (SM): UNR, TEMPO 3-5 BR 11-16L

SKY CONDITION (AGL): BKN030

MIN ALSTG: 2866INS

HAZARDS: LGT OCNL MDT TURBC 005-020

HOWARD GLACIER

SFC WIND (TRUE): VRB06KT

SFC VISIBILITY (SM): UNR, TEMPO 4-6 BR AFT 13L

SKY CONDITION (AGL): FEW020 BKN070, BECMG BKN015 OVC050 AFT 14L

MIN ALSTG: 2888INS

HAZARDS: OCNL LGT TURBC 005-020 AFT 14L

WOLCOTT GLACIER

SFC WIND (TRUE): 20008KT

SFC VISIBILITY (SM): UNR

SKY CONDITION (AGL): FEW050 SCT070, BECMG FEW 025 SCT040 BKN075 AFT 14L. TEMPO BKN010 AFT 16L

MIN ALSTG: 2870INS

HAZARDS: NIL

COMMONWEALTH GLACIER

SFC WIND (TRUE): VRB06KT, BECMG 22009KT AFT13L

SFC VISIBILITY (SM): UNR, TEMPO 4-6 BR AFT13L

SKY CONDITION (AGL): SCT050 BKN070, TEMPO BKN 020 AFT 14L

MIN ALSTG: 2888INS

HAZARDS: OCNL LGT TURBC 005-020 AFT 14L

TAYLOR VALLEY HOVER SITES

SFC WIND (TRUE): 05010KT

SFC VISIBILITY (SM): UNR, TEMPO 2-4 BR 10-16L

SKY CONDITION (AGL): BKN050, TEMPO SCT020 OVC045 14-18L

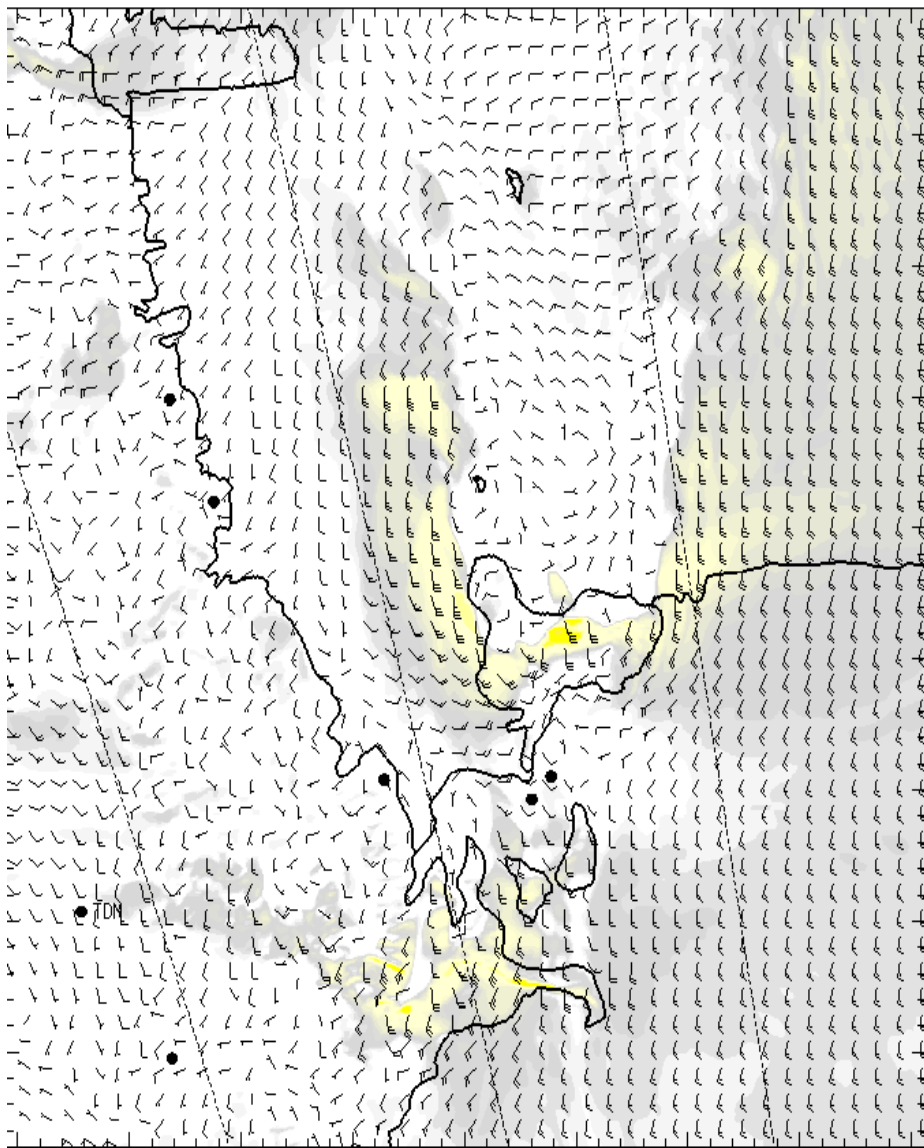
MIN ALSTG: 2887INS

HAZARDS: NIL

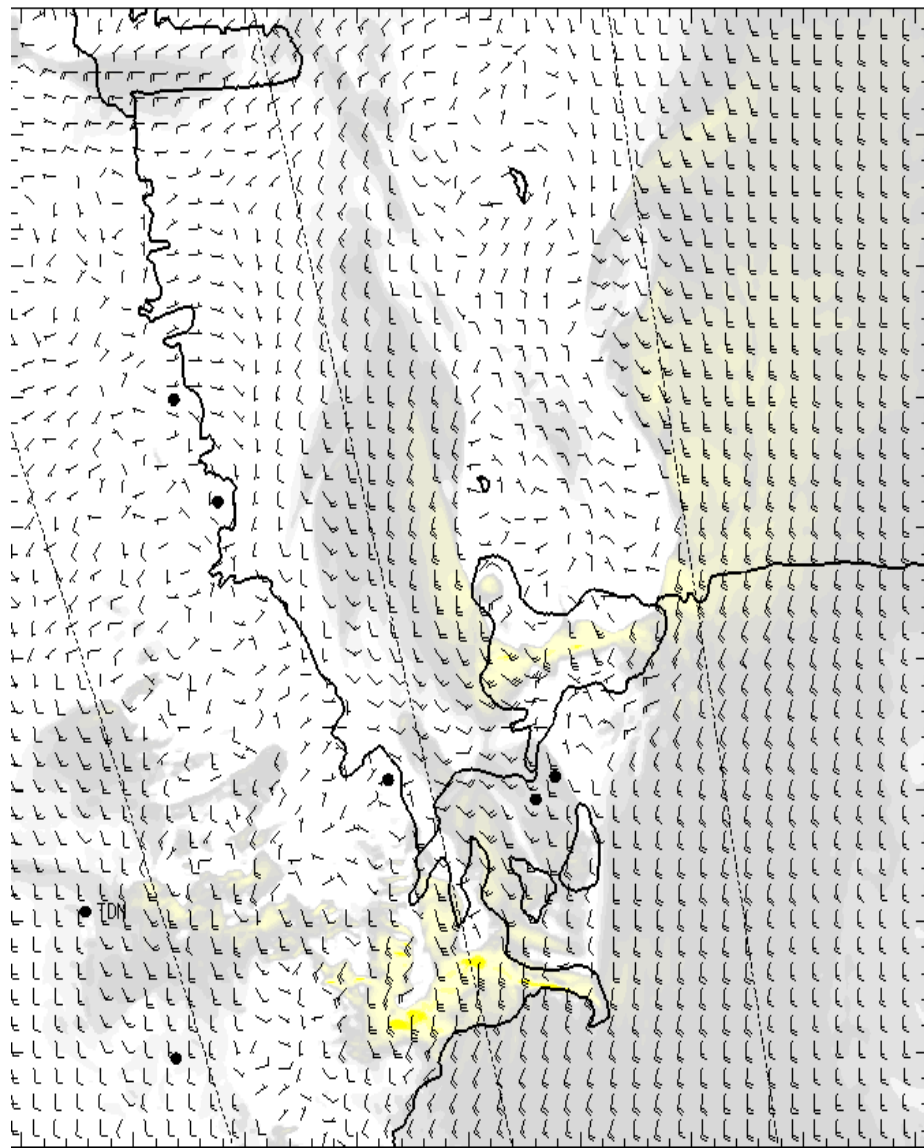
NIGHT AREA OUTLOOKS (VALID TIME: 16/1800L – 17/0600L)

NIL

SFC

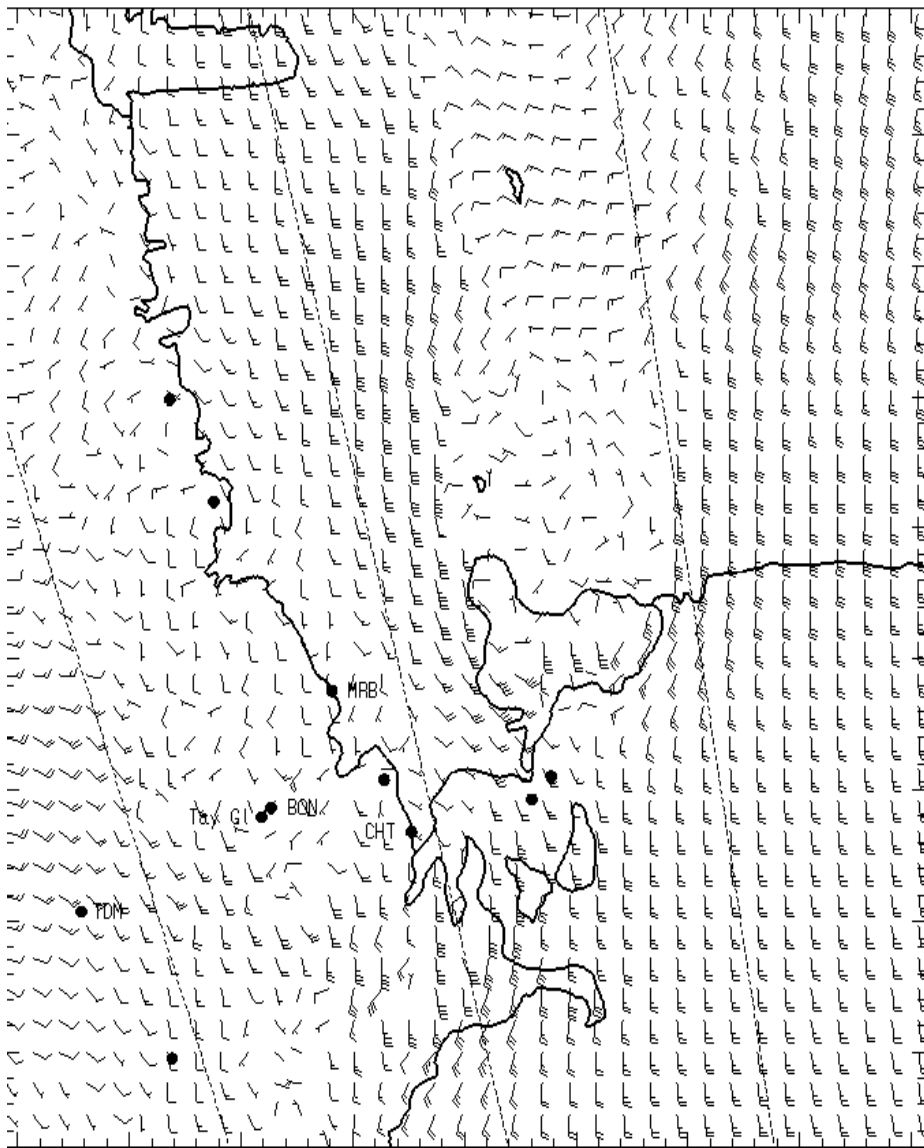


0700L

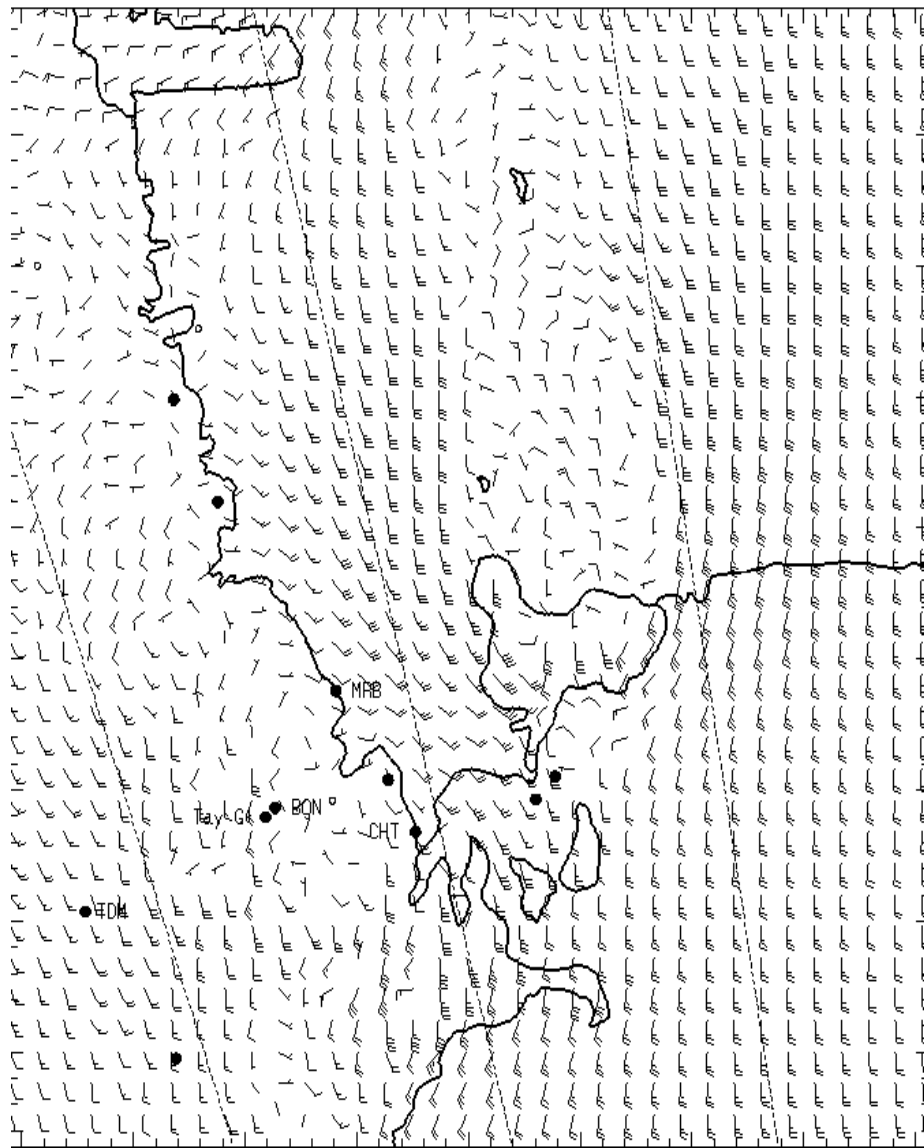


1300L

1,000 ft AGL

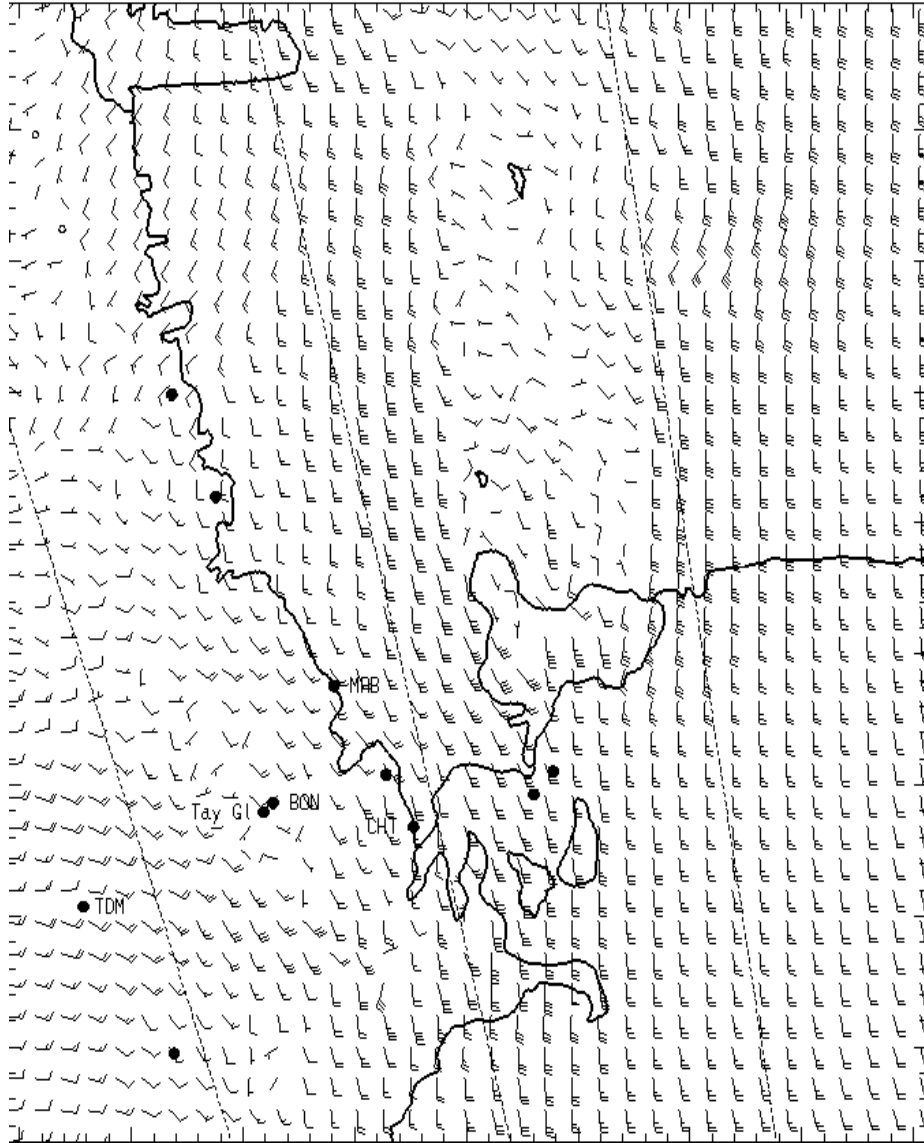


0700L

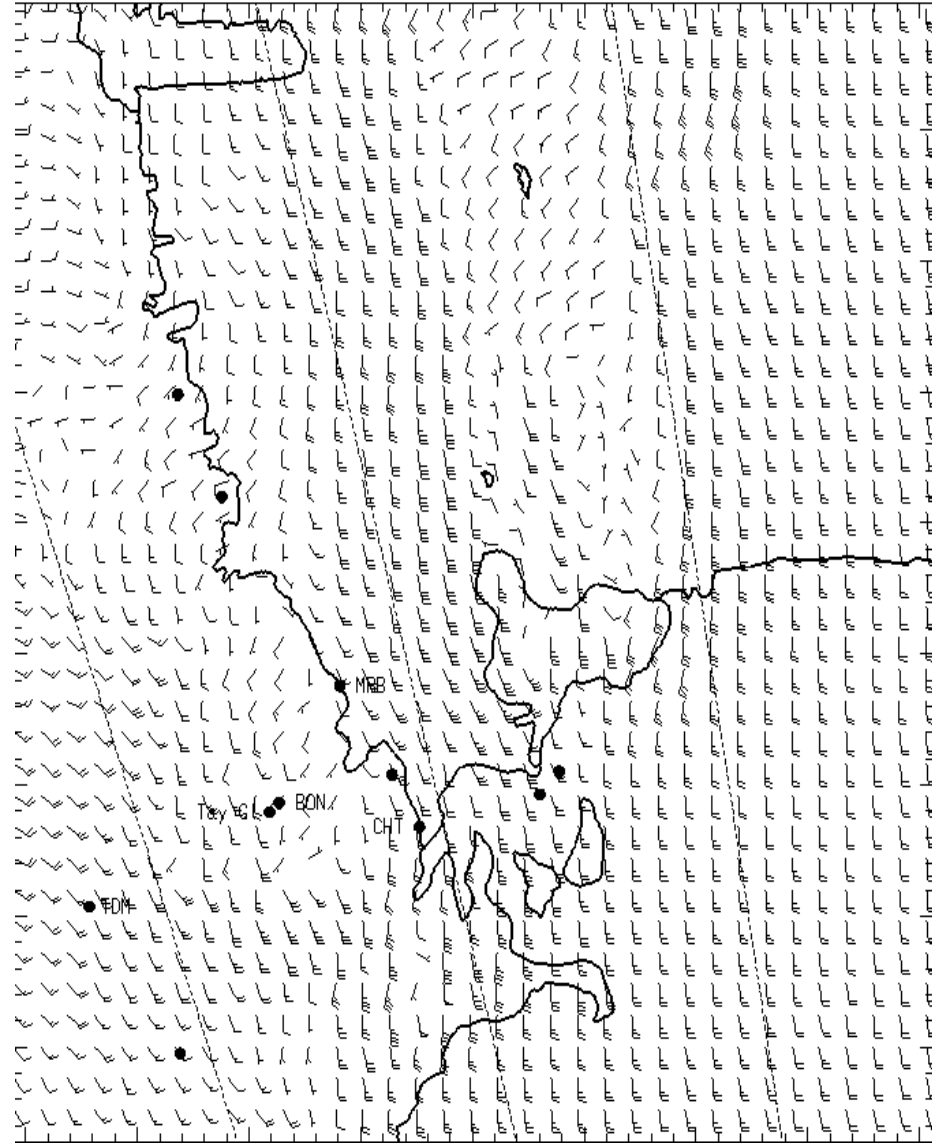


1300L

3,000 ft AGL

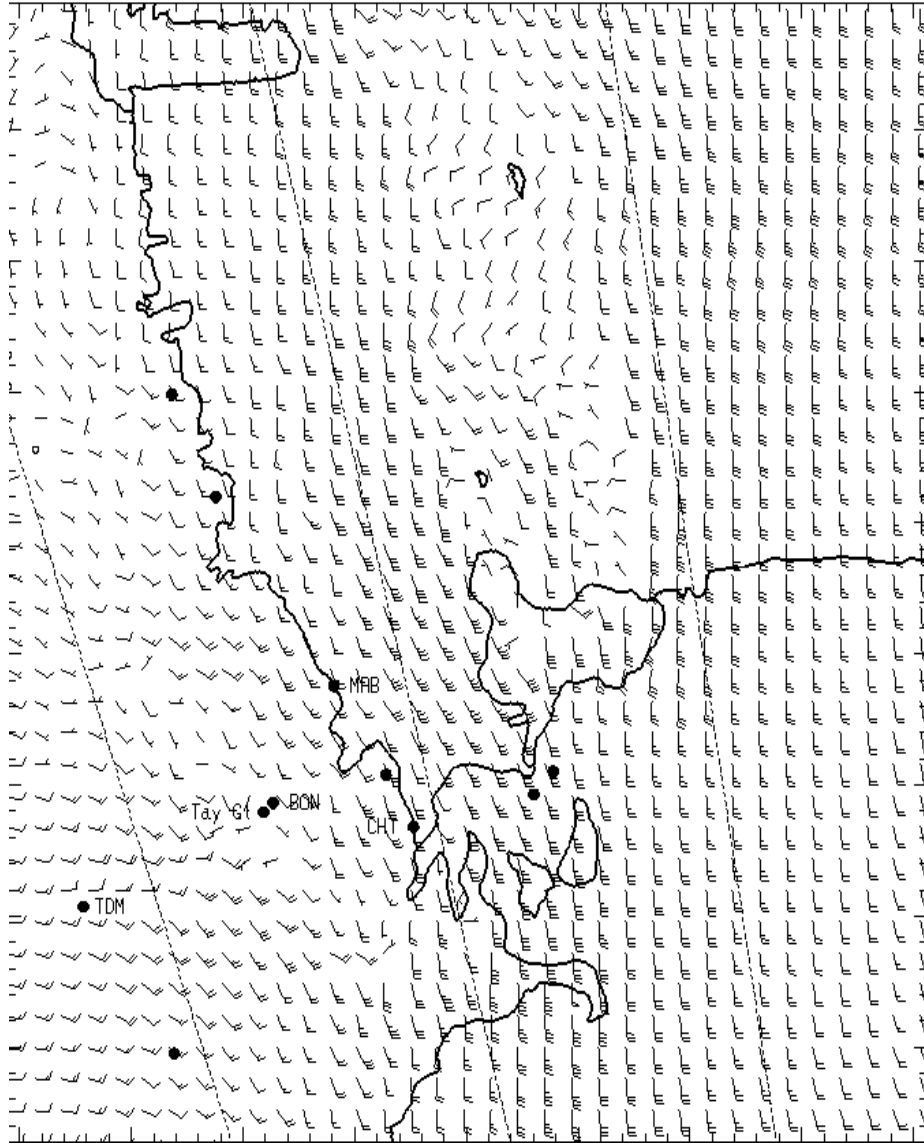


0700L

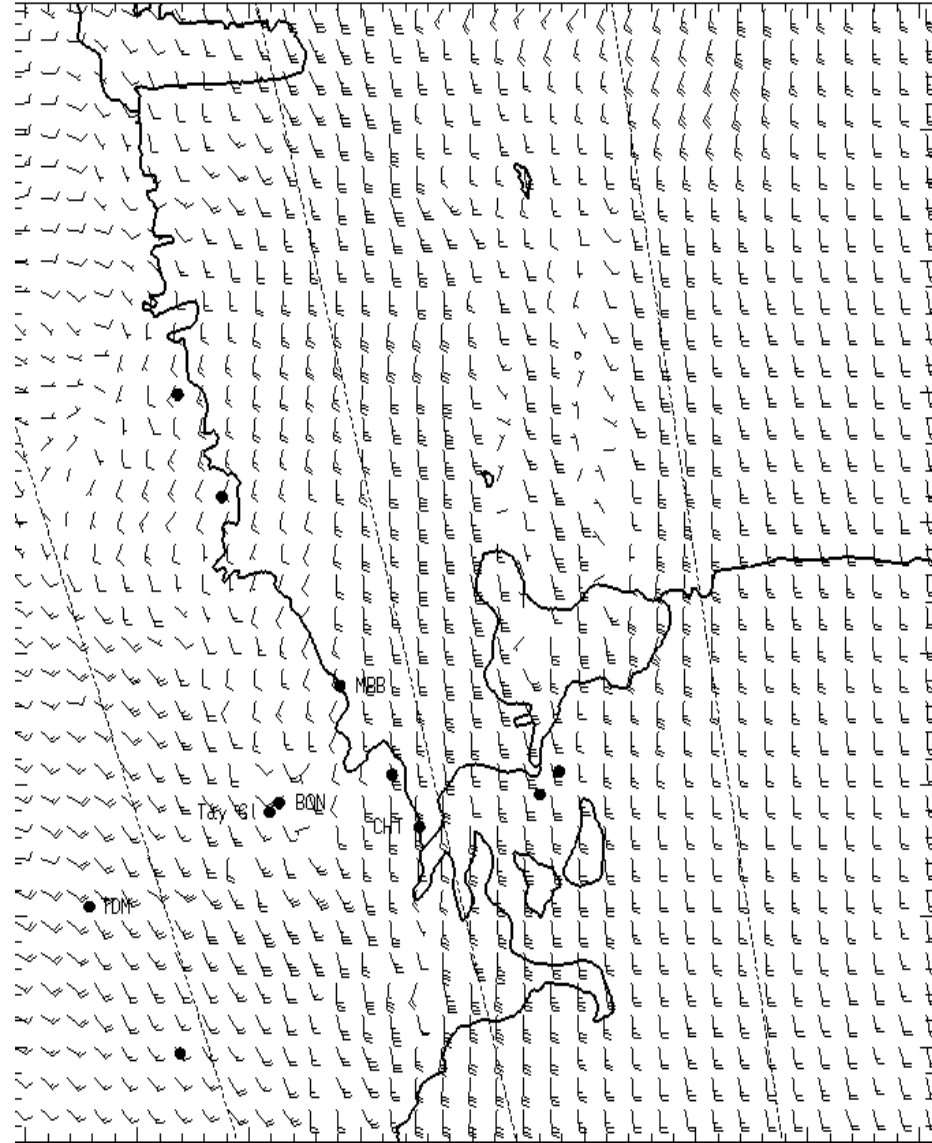


1300L

5,000 ft AGL



0700L



1300L