



Helo Weather

Charleston ROF

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Date (L): Tue 29 December 2021

Brief Time (L): 0600

Briefing Number: 12-024

FCSTR: Paul Gulli

REGIONAL SUMMARY

Yesterday's trough turned out to be weaker than it appeared on satellite and model data, staying just to the east and not bringing as significant of a deterioration as predicted. Today's pattern is similar but looks more potent and moisture-laden, which should translate to heavier cloudiness and reduced visibility in snow. Couple this with a more energetic wind profile and it has the makings of an unfavorable day for flying. Most of the impacts are expected from Minna Bluff through northern Ross Island, less so up the Sound and into the Dry Valleys.

HAZARDS

Light Turbulence is expected from McMurdo Station and south, with more Moderate Turbulence potential over Black Island in the stronger wind flow expected today. Light Rime Icing is expected over relatively the same area as the turbulence potential today.

LATEST MCMURDO OBSERVATION

METAR NZCM 281555Z AUTO 12005KT 9999 SKC M04/M09 A2883 RMK AO2 SLP768 T10391090 \$=

RUNWAY TAFS

TAF NZFX 281457Z 2815/2915 (2904/3004NZDT) VRB06KT 9999 SCT015 BKN030 BKN100 QNH2882INS
BECMG 2900/2902 (2913/2915) 16015G23KT 1600 -SN BLSN SCT009 BKN020 BKN100 620205 QNH2884INS
GRID33015G23KT
BECMG 2904/2906 (2917/2919) 16015G23KT 4000 BLSN FEW009 SCT030 BKN050 QNH2886INS GRID33015G23KT
BECMG 2908/2910 (2921/2923) 15012KT 9999 DRSN SCT030 BKN100 QNH2890INS GRID32012KT

TAF NZWD 281457Z 2815/2915 (2904/3004NZDT) VRB04KT 9999 SCT015 BKN030 BKN100 QNH2882INS
BECMG 2900/2902 (2913/2915) 16012G22KT 1600 -SN BLSN SCT005 BKN010 OVC020 620106 QNH2884INS
GRID33012G22KT
BECMG 2904/2906 (2917/2919) 17013G22KT 4000 -SN BLSN SCT005 SCT012 BKN025 620255 QNH2886INS
GRID34013G22KT
BECMG 2908/2910 (2921/2923) 16010KT 9999 NSW SCT015 BKN100 QNH2890INS GRID33010KT

MCMURDO HELIPAD FORECAST (VALID TIME: 29/0600L - 1800L)

SFC WIND (TRUE): 14008KT, BECMG 16015G25KT AFT 13L

SFC VISIBILITY (SM): UNRES, BECMG 1 -SN BLSN AFT 13L

SKY CONDITION (AGL): SCT015 BKN030 BKN100, BECMG BKN015 OVC030 AFT 13L

MIN ALSTG: 28.75INS

HAZARDS: LGT RIME ICG 015-080, LGT TURBC SFC-080

SITE & AREA FORECASTS (VALID TIME: 29/0600L - 1800L)

CONEZ

SFC WIND (TRUE): 15009KT
SFC VISIBILITY (SM): ¼ -SG FG
SKY CONDITION (AGL): VV002
MIN ALSTG: 27.95INS
HAZARDS: NIL

BLACK ISLAND

SFC WIND (TRUE): 20007KT, BECMG 20020G30KT AFT 12L
SFC VISIBILITY (SM): ¼ -SN
SKY CONDITION (AGL): OVC005
MIN ALSTG: 28.79INS
HAZARDS: OCNL MOD TURBC SFC-080 AFT 12L; LGT RIME ICG 005-070

LK HOARE

SFC WIND (TRUE): 09006KT
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): SCT015 BKN070
MIN ALSTG: 28.78INS
HAZARDS: NIL

LK BONNEY/WLLB

SFC WIND (TRUE): VRB06KT
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): BKN070
MIN ALSTG: 28.79INS
HAZARDS: NIL

WHITE ISLAND AWS

SFC WIND (TRUE): 22007KT, BECMG 19015G25KT AFT 13L
SFC VISIBILITY (SM): ½ -SN FG, BECMG ¼ -SN BLSN AFT 12L
SKY CONDITION (AGL): BKN010 OVC025
MIN ALSTG: 28.77INS
HAZARDS: LGT TURBC SFC-050, LGT RIME ICG 010-080

LK FRYXELL

SFC WIND (TRUE): VRB06KT
SFC VISIBILITY (SM): UNRES
SKY CONDITION (AGL): SCT015 BKN070
MIN ALSTG: 28.83INS
HAZARDS: NIL

MARBLE POINT

SFC WIND (TRUE): VRB06KT, BECMG 14012KT AFT 14L

SFC VISIBILITY (SM): UNRES

SKY CONDITION (AGL): SCT015 BKN040 BKN080

MIN ALSTG: 28.82INS

HAZARDS: LGT RIME ICG 040-100

F6

SFC WIND (TRUE): VRB06KT

SFC VISIBILITY (SM): UNRES

SKY CONDITION (AGL): SCT015 BKN070

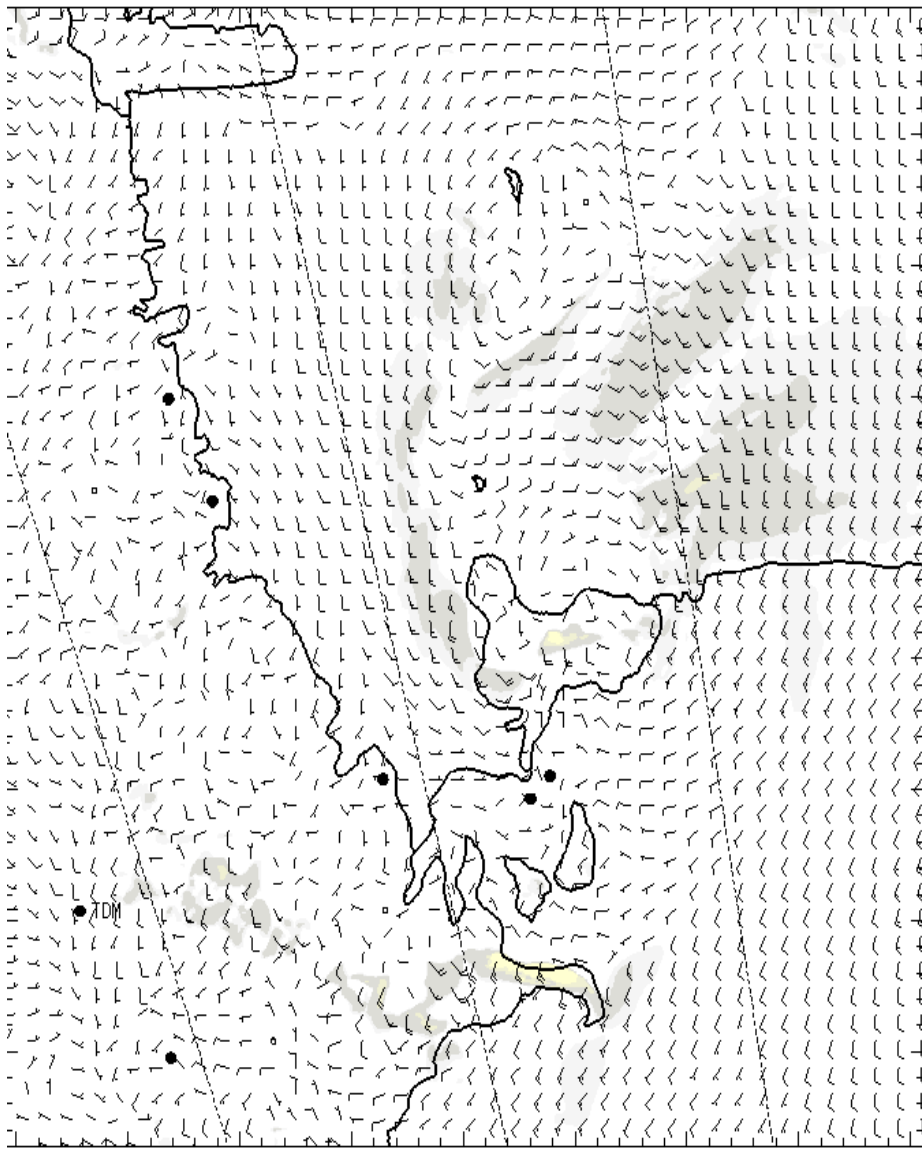
MIN ALSTG: 28.82INS

HAZARDS: NIL

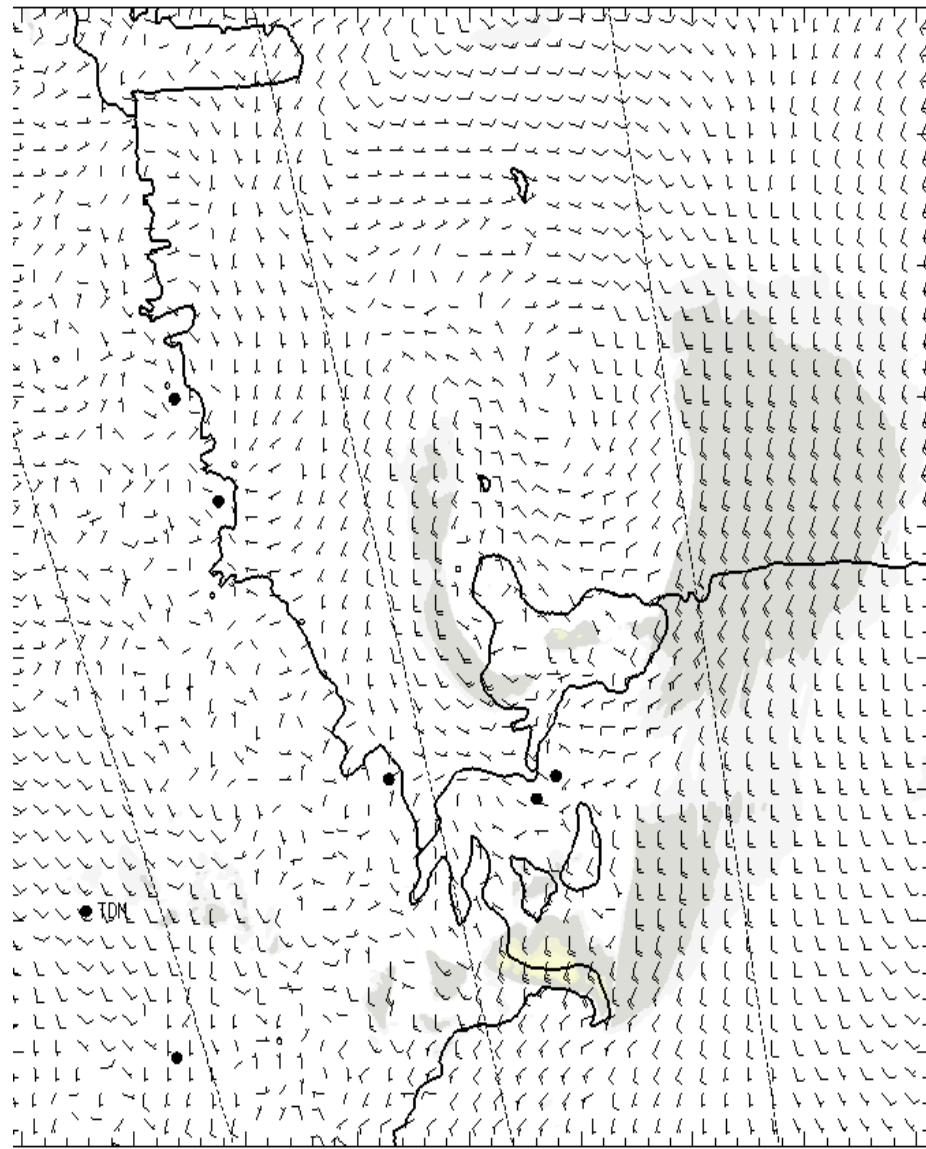
NIGHT AREA OUTLOOKS (VALID TIME: 29/1800L - 30/0600L):

N/A

SFC

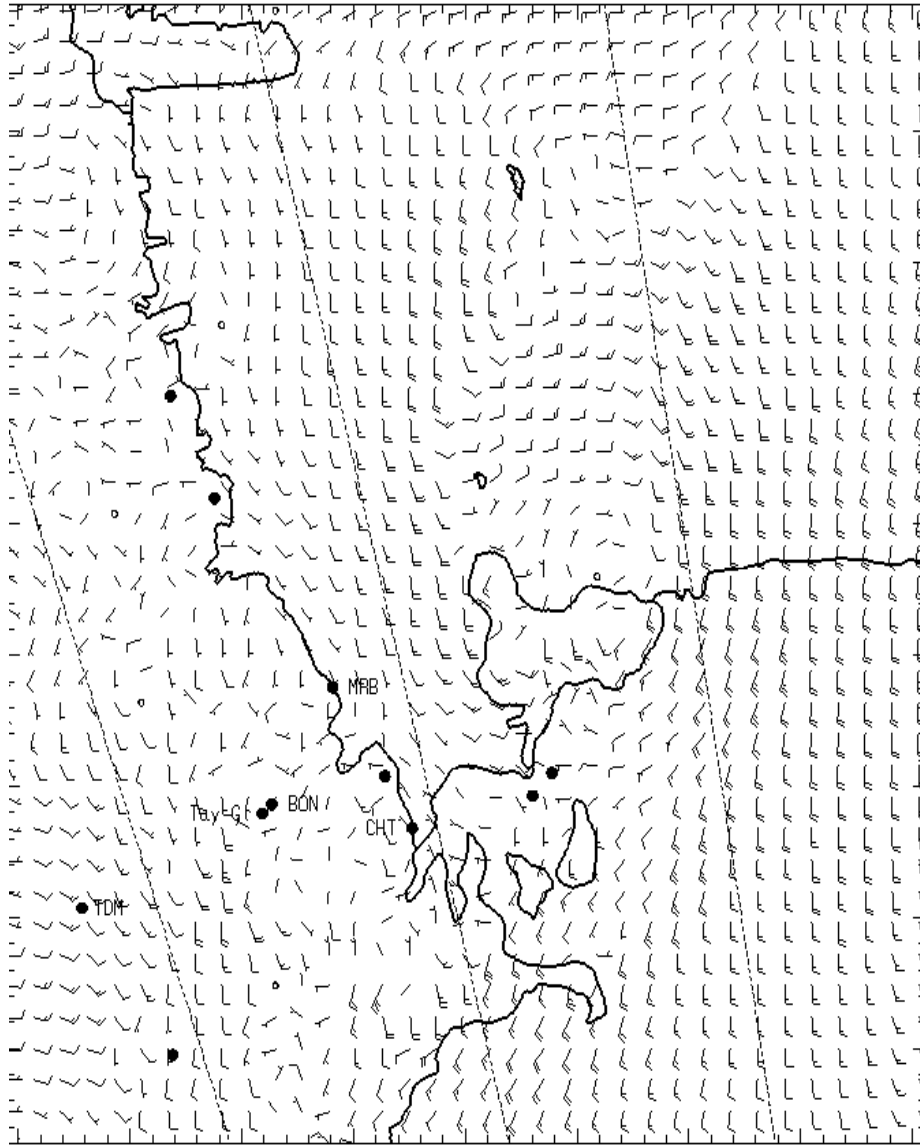


0700L

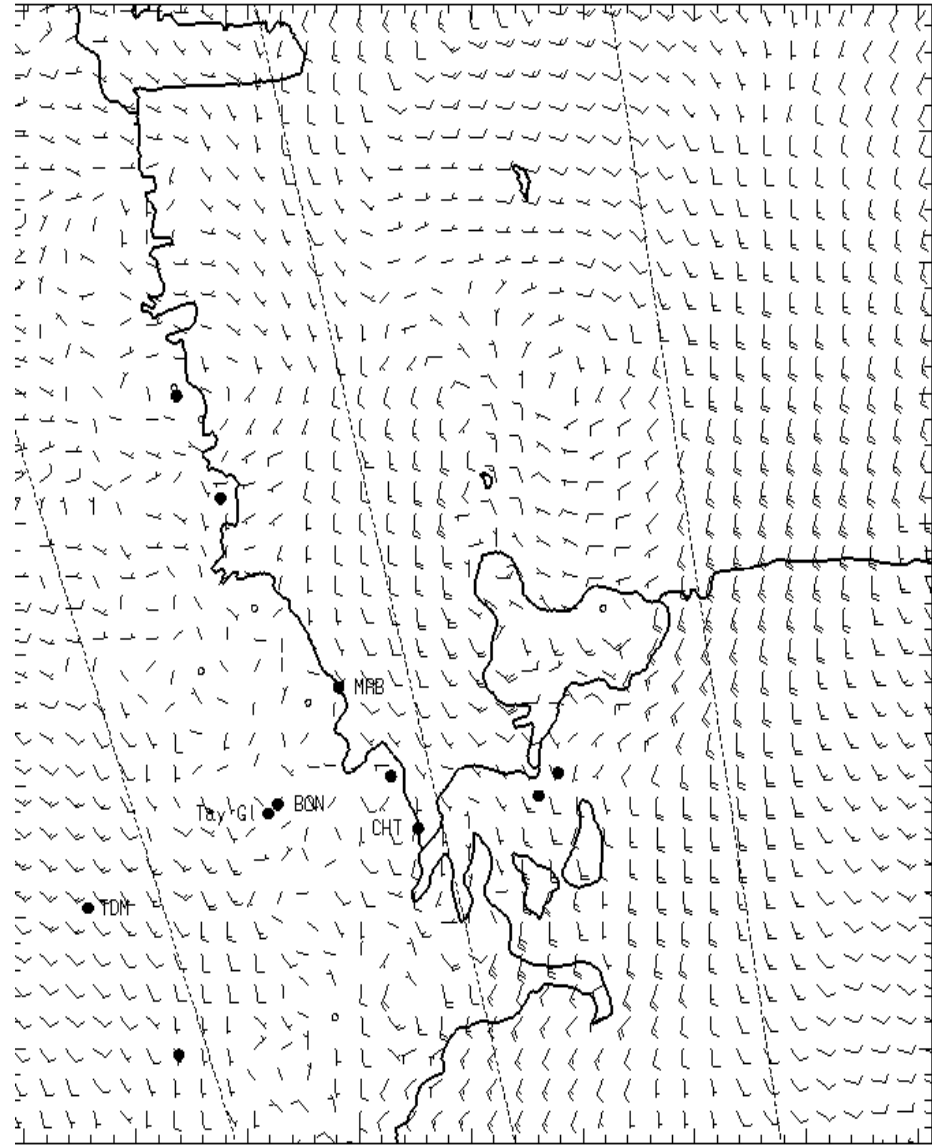


1300L

1,000 ft AGL

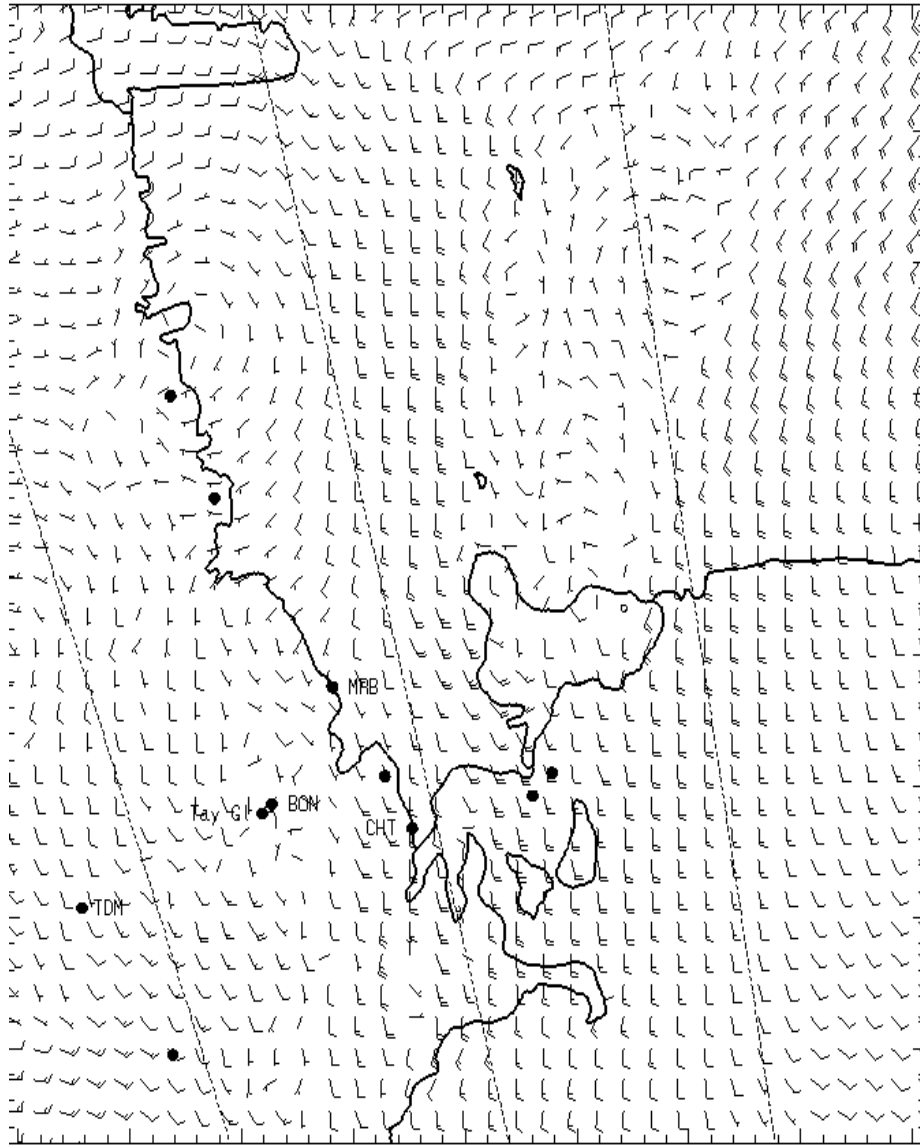


0700L

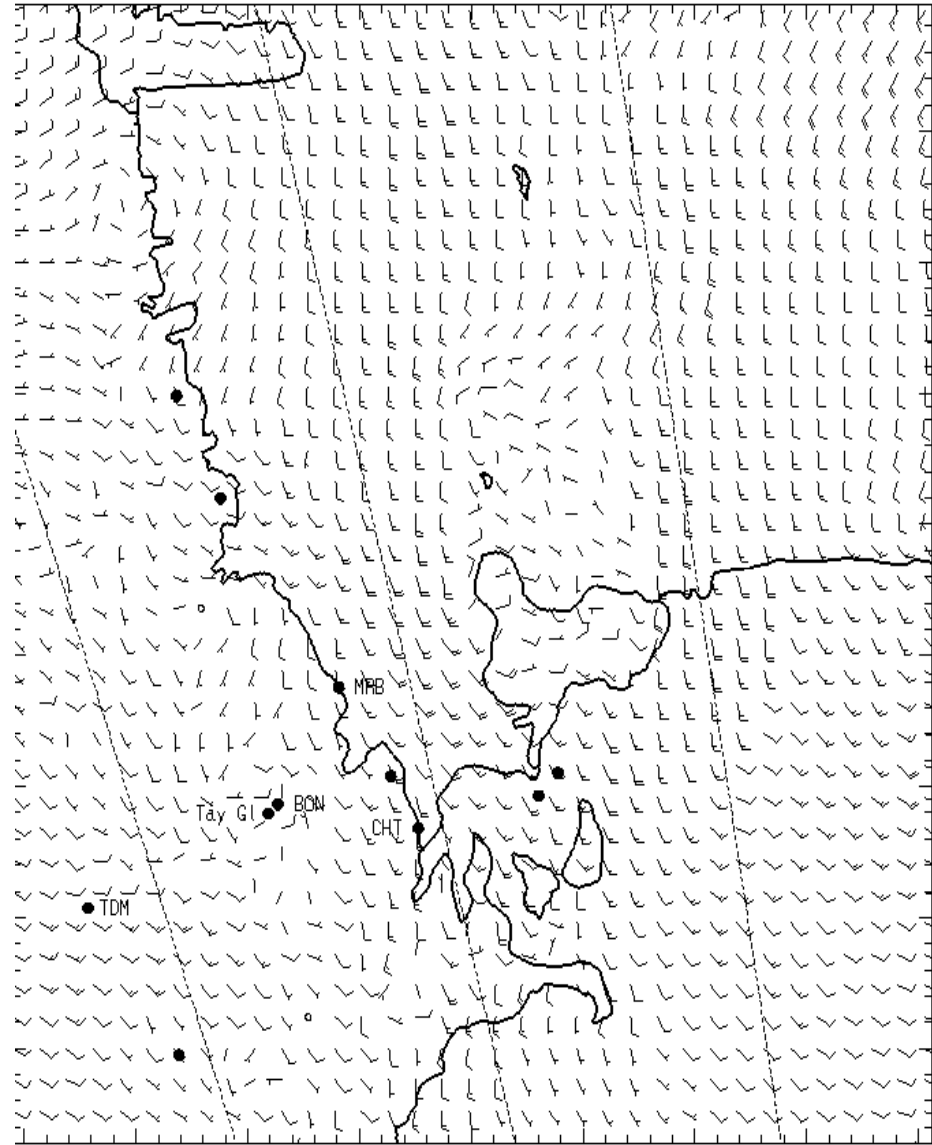


1300L

3,000 ft AGL

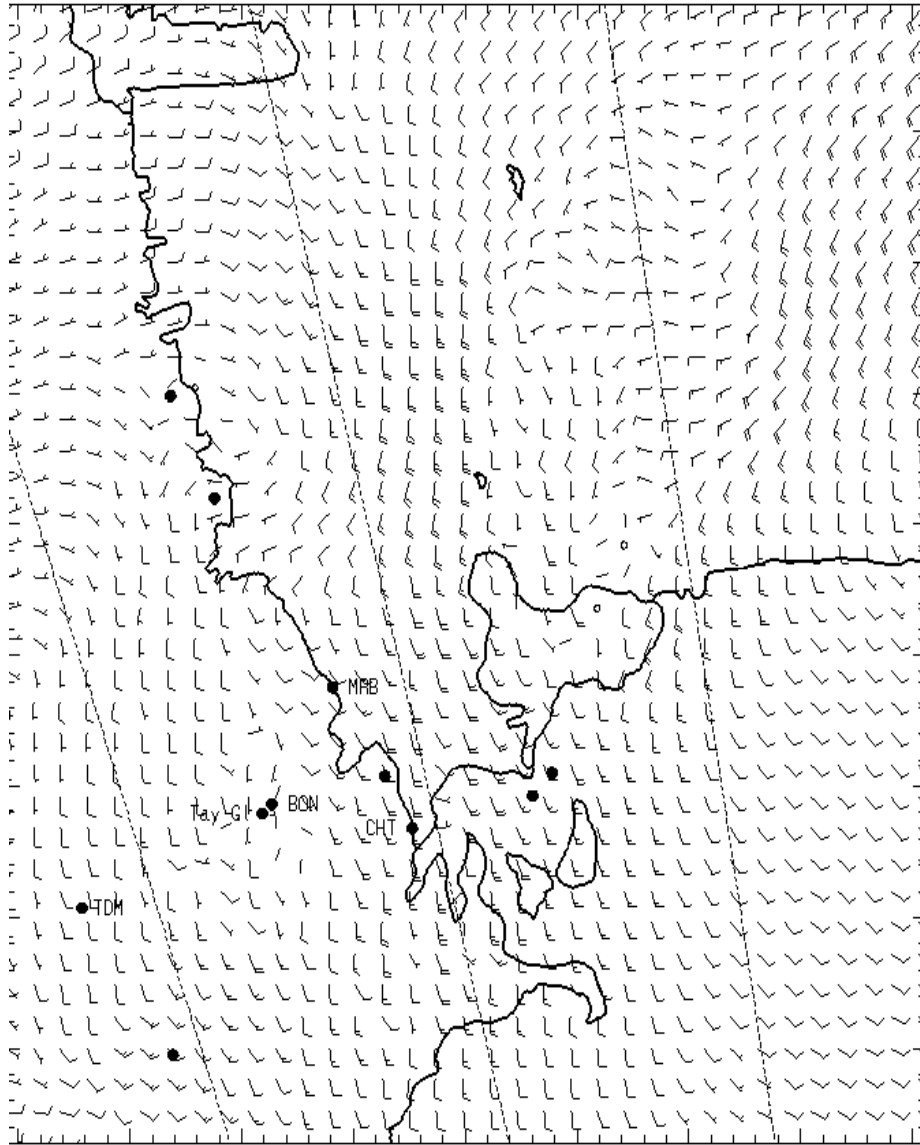


0700L

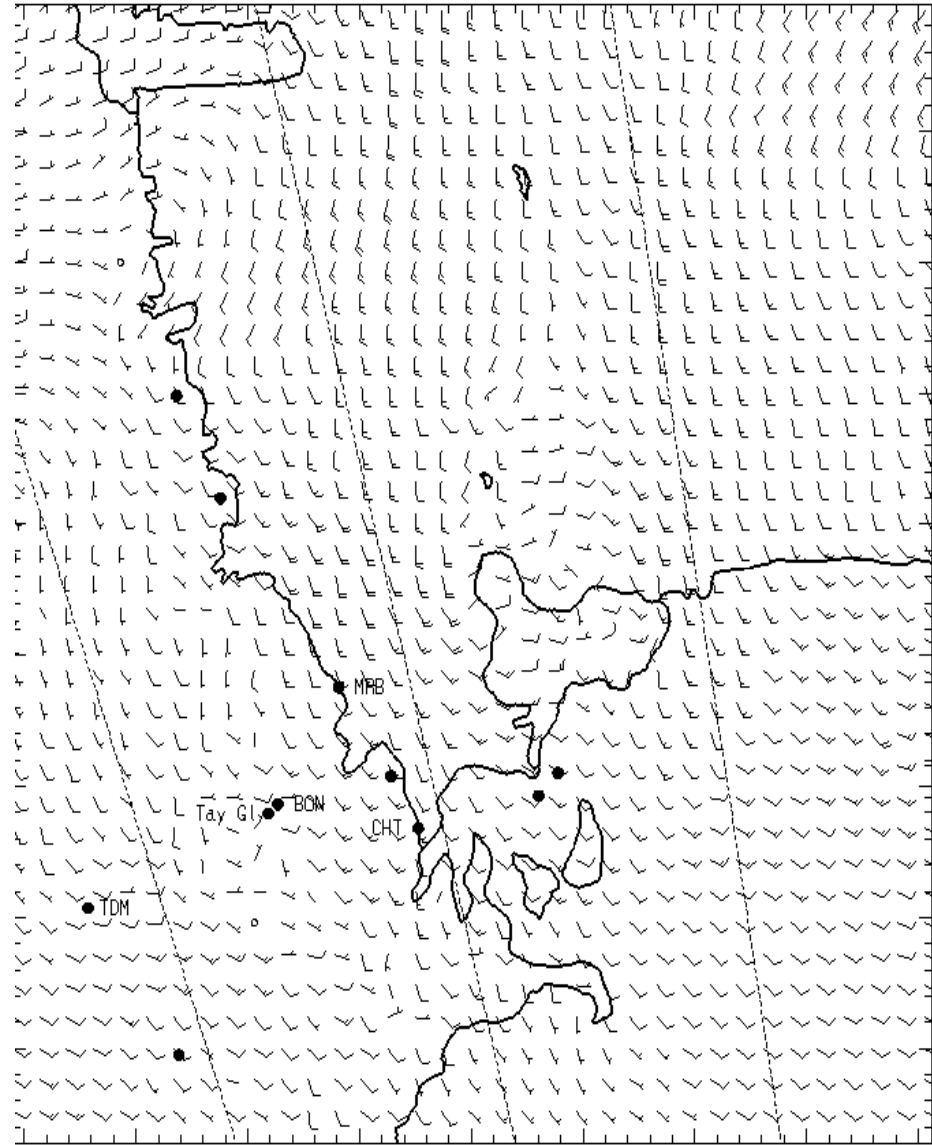


1300L

5,000 ft AGL



0700L



1300L