



Helo Weather

Charleston ROF

Email: weather.chs@usap.gov

Iridium: 011 8816 7631 5168

Phone: x32664/x42524

Date (L): Mon 13 December 2021

Brief Time (L): 0600

Briefing Number: 12-011

FCSTR: Paul Gulli

REGIONAL SUMMARY

Ross Island continues to be on the outer fringes of a deep low centered over the extreme northeast Ross Sea. While the most significant impacts of the system appear to be just to our east over the shelf, minor perturbations in the pattern pose the potential for intermittent cloudiness, light snow and gusty winds today. This is especially true at higher elevations and the eastern periphery of the flying area, including Cape Crozier. Conversely, the Dry Valleys are solidly under high pressure and should have favorable conditions.

HAZARDS

Hut Point peninsula and toward the east will see Light Turbulence, being on the outer edge of the low's tightened pressure gradient. Today's sites located at the higher elevations of Ross Island will see much stronger turbulence as the wind speeds increase aloft and meet the peaks perpendicularly, as evidenced by ACSL clouds currently being observed.

LATEST MCMURDO OBSERVATION

METAR NZCM 121555Z AUTO 16008G16KT 9999 SKC M01/M15 A2884 RMK AO2 SLP769 T10101145 \$=

RUNWAY TAFS

TAF NZFX 121457Z 1215/1315 (1304/1404NZDT) 17015G30KT 9999 FEW070 SCT100 BKN180 520007 QNH2883INS
GRID34015G30KT

TEMPO 1219/1301 (1308/1314) 14008KT GRID31008KT

BECMG 1310/1312 (1323/1401) 06010G18KT 9999 FEW070 SCT100 QNH2897INS GRID23010G18KT

TAF NZWD 121457Z 1215/1315 (1304/1404NZDT) VRB06KT 9999 FEW070 SCT100 BKN180 QNH2884INS

TEMPO 1215/1221 (1304/1310) 18020G30KT 520004 GRID35020G30KT

BECMG 1300/1302 (1313/1315) 16015G30KT 9999 FEW070 SCT100 BKN180 520004 QNH2891INS GRID33015G30KT

BECMG 1310/1312 (1323/1401) 12010G18KT 9999 FEW070 SCT100 QNH2897INS GRID29010G18KT

MCMURDO HELIPAD FORECAST (VALID TIME: 13/0600L - 1800L)

SFC WIND (TRUE): 15013G22KT, OCNL 06009KT

SFC VISIBILITY (SM): UNRES

SKY CONDITION (AGL): FEW025 FEW100 BKN180

MIN ALSTG: 28.85INS

HAZARDS: LGT TURBC SFC-070

SITE & AREA FORECASTS (VALID TIME: 13/0600L - 1800L)

AWS 108

SFC WIND (TRUE): 20014KT

SFC VISIBILITY (SM): UNRES DRSN, OCNL 4 –SN BLSN

SKY CONDITION (AGL): SCT025 BKN180, OCNL BKN025 BKN100

MIN ALSTG: 28.81INS

HAZARDS: LGT TURBC SFC-100, TRACE ICG 025-035

AWS 104

SFC WIND (TRUE): VRB06KT, OCNL 22013KT

SFC VISIBILITY (SM): UNRES, OCNL DRSN

SKY CONDITION (AGL): SCT025 BKN180

MIN ALSTG: 28.84INS

HAZARDS: LGT TURBC SFC-100

LK BONNEY

SFC WIND (TRUE): 23012KT

SFC VISIBILITY (SM): UNRES

SKY CONDITION (AGL): BKN180

MIN ALSTG: 28.84INS

HAZARDS: NIL

LK FRYXELL

SFC WIND (TRUE): VRB05KT

SFC VISIBILITY (SM): UNRES

SKY CONDITION (AGL): BKN180

MIN ALSTG: 28.91INS

HAZARDS: NIL

F6

SFC WIND (TRUE): VRB06KT

SFC VISIBILITY (SM): UNRES

SKY CONDITION (AGL): BKN180

MIN ALSTG: 28.88INS

HAZARDS: NIL

SCOTT BASE

SFC WIND (TRUE): 13012G18KT

SFC VISIBILITY (SM): UNRES

SKY CONDITION (AGL): FEW025 SCT100 BKN180

MIN ALSTG: 28.84INS

HAZARDS: LGT TURBC SFC-070

CP CROZIER

SFC WIND (TRUE): 21025G40KT

SFC VISIBILITY (SM): ½ BLSN

SKY CONDITION (AGL): SCT025 BKN100 BKN180

MIN ALSTG: 28.82INS

HAZARDS: MOD-SVR SFC-100

EREBUS PEAK (AREA FCST, INCL CRATER HOVER, MCG2, LEH)

SFC WIND (TRUE): 19020KT

SFC VISIBILITY (SM): ¼ SN BLSN

SKY CONDITION (AGL): VV002

MIN ALSTG: 28.48INS

HAZARDS: MOD-SVR TURBC SFC-050

HOOPERS SHOULDER

SFC WIND (TRUE): 16028KT

SFC VISIBILITY (SM): ½ BLSN

SKY CONDITION (AGL): BKN015

MIN ALSTG: 28.46INS

HAZARDS: MOD-SVR TURBC SFC-080

BOM2

SFC WIND (TRUE): 20028KT

SFC VISIBILITY (SM): ½ BLSN

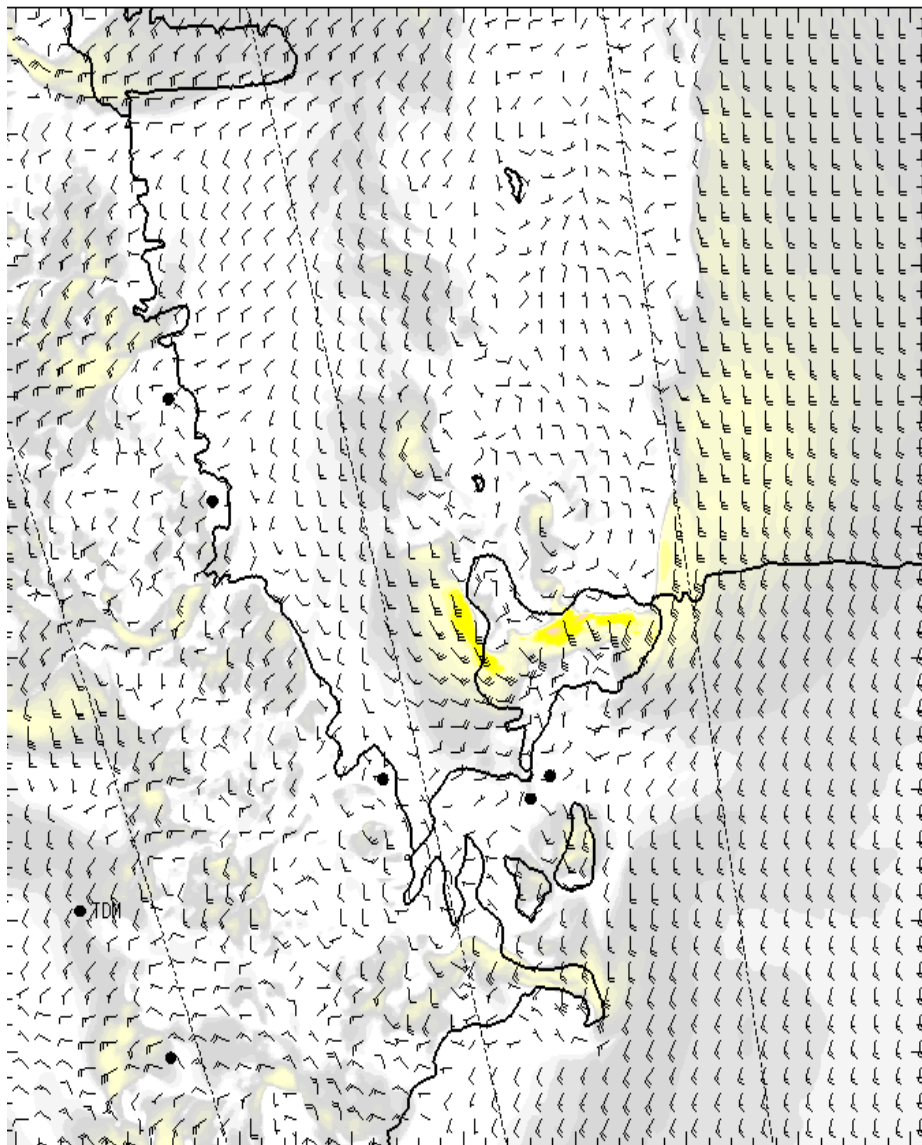
SKY CONDITION (AGL): BKN015

MIN ALSTG: 28.48INS

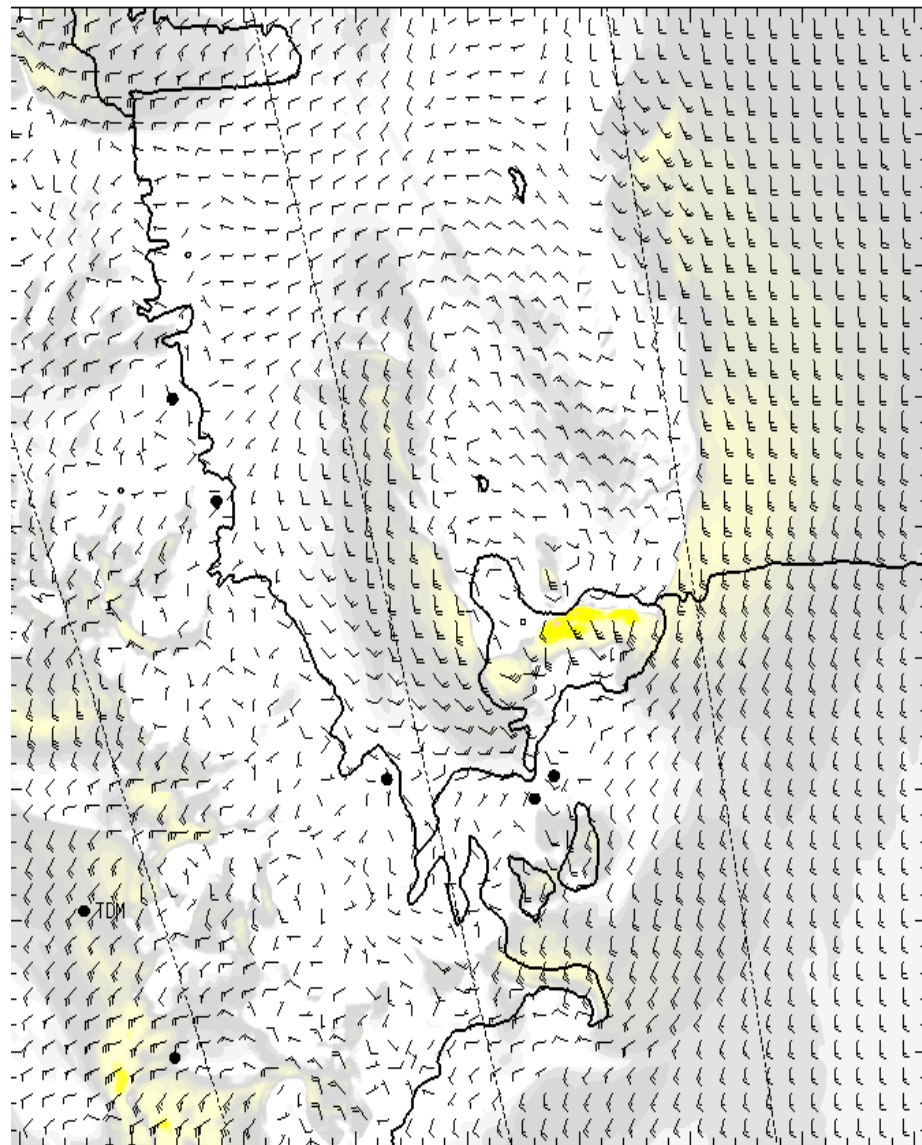
HAZARDS: MOD-SVR TURBC SFC-080

NIGHT AREA OUTLOOKS (VALID TIME: 13/1800L - 14/0600L)

SFC

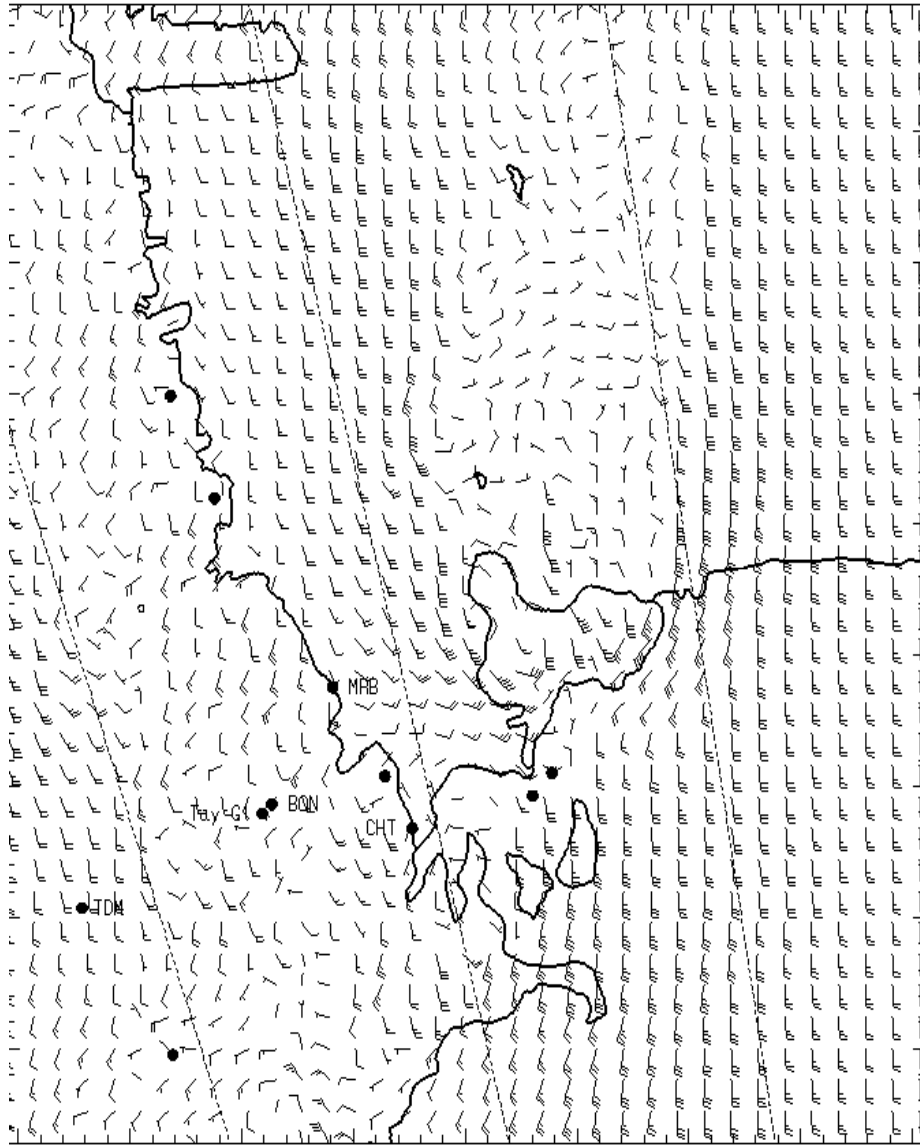


0700L

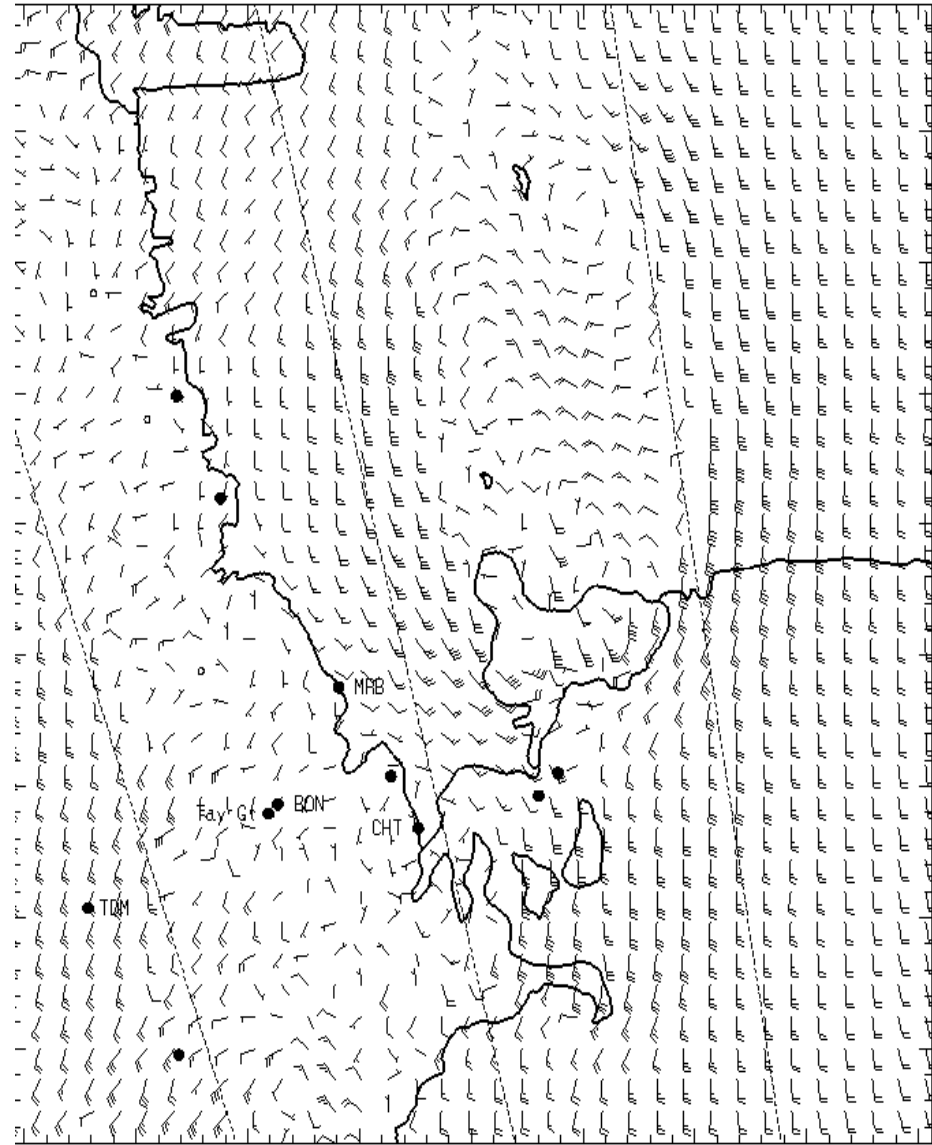


1300L

1,000 ft AGL

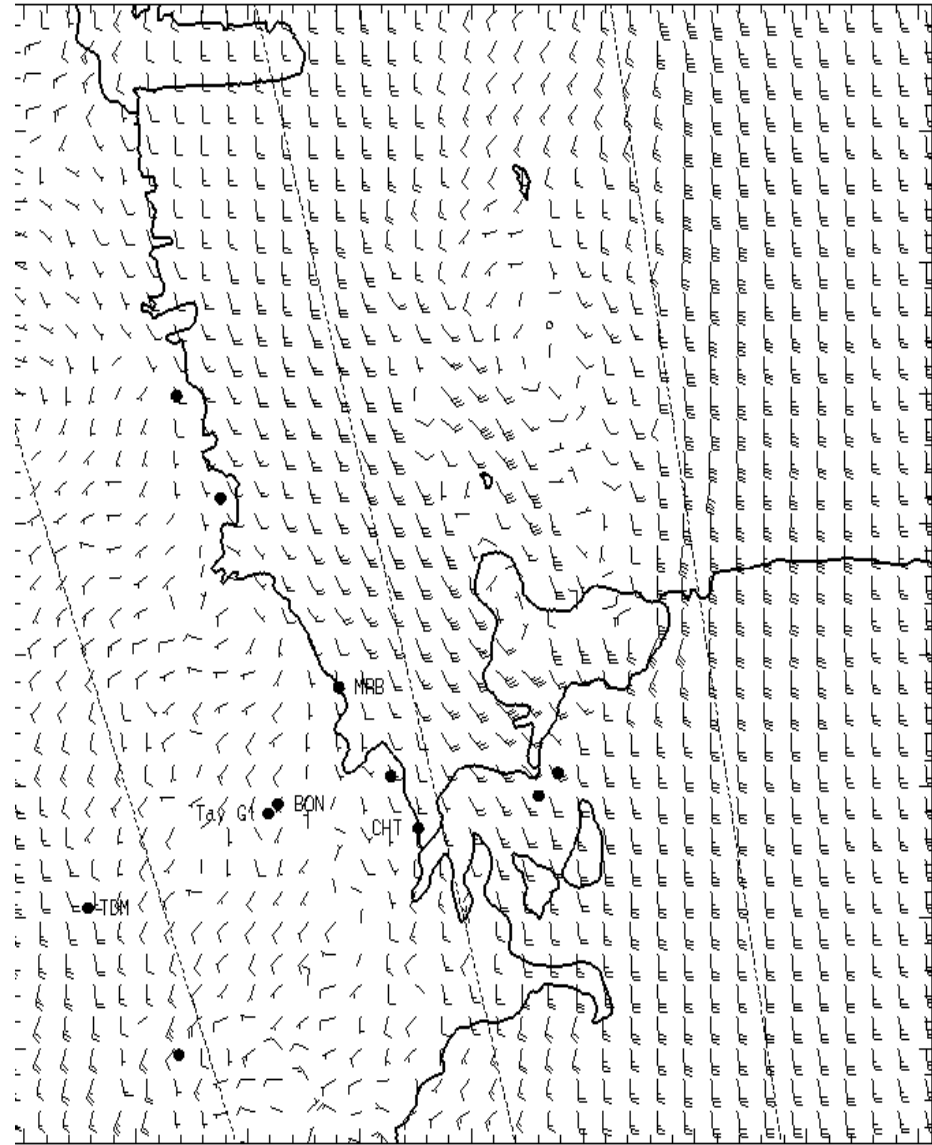
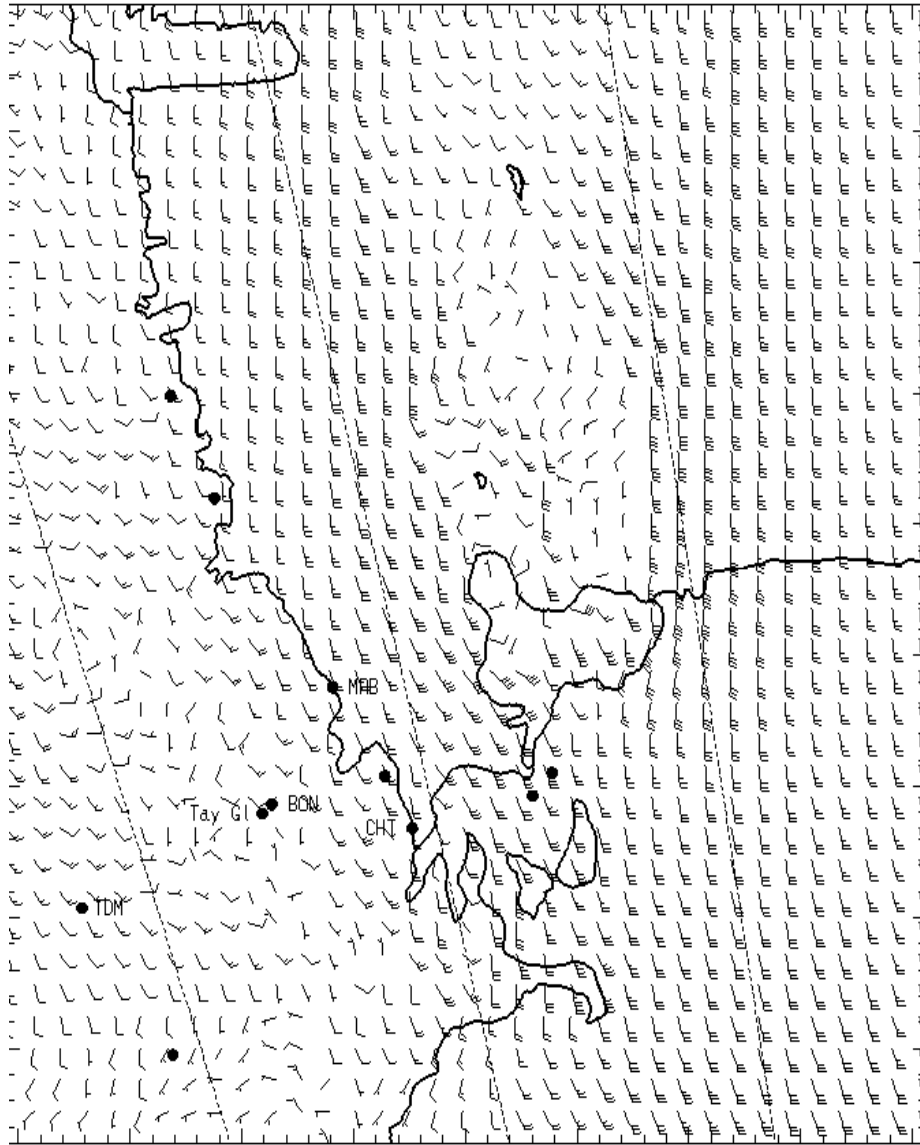


0700L

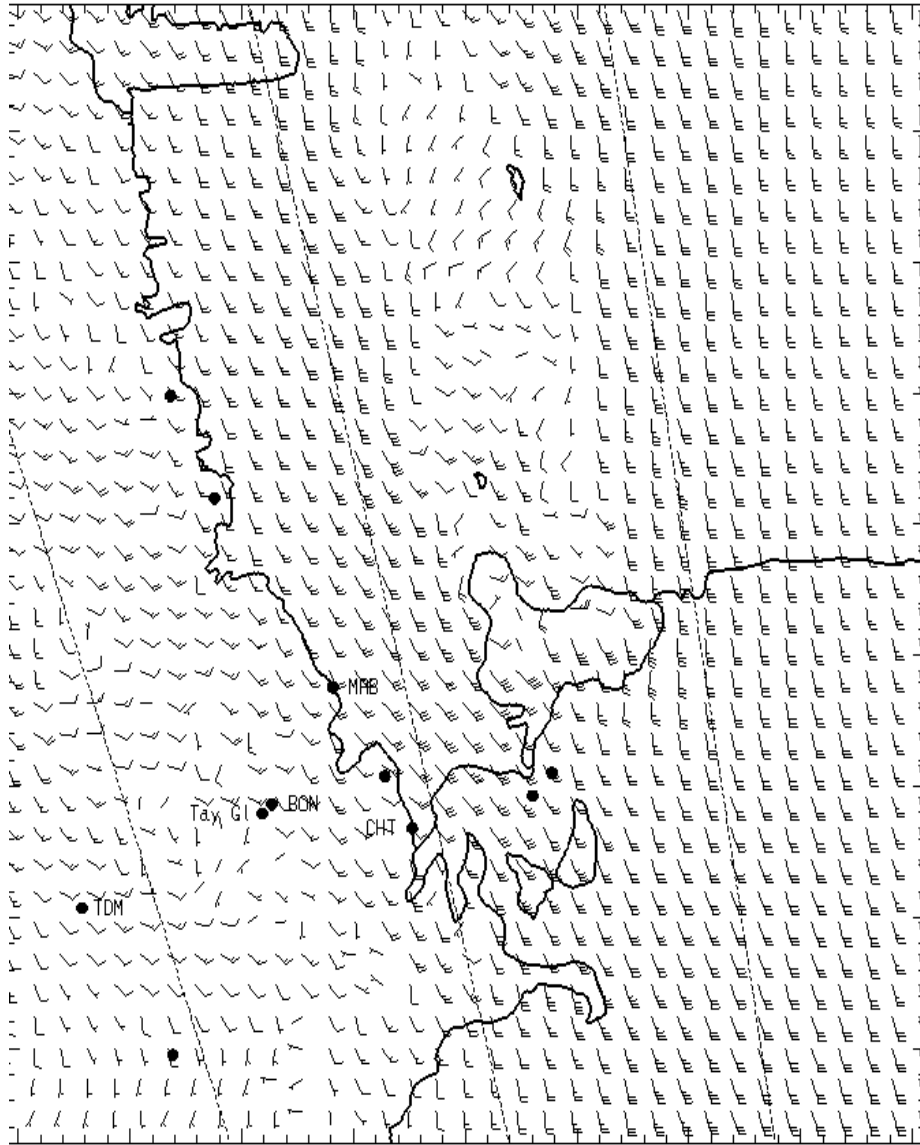


1300L

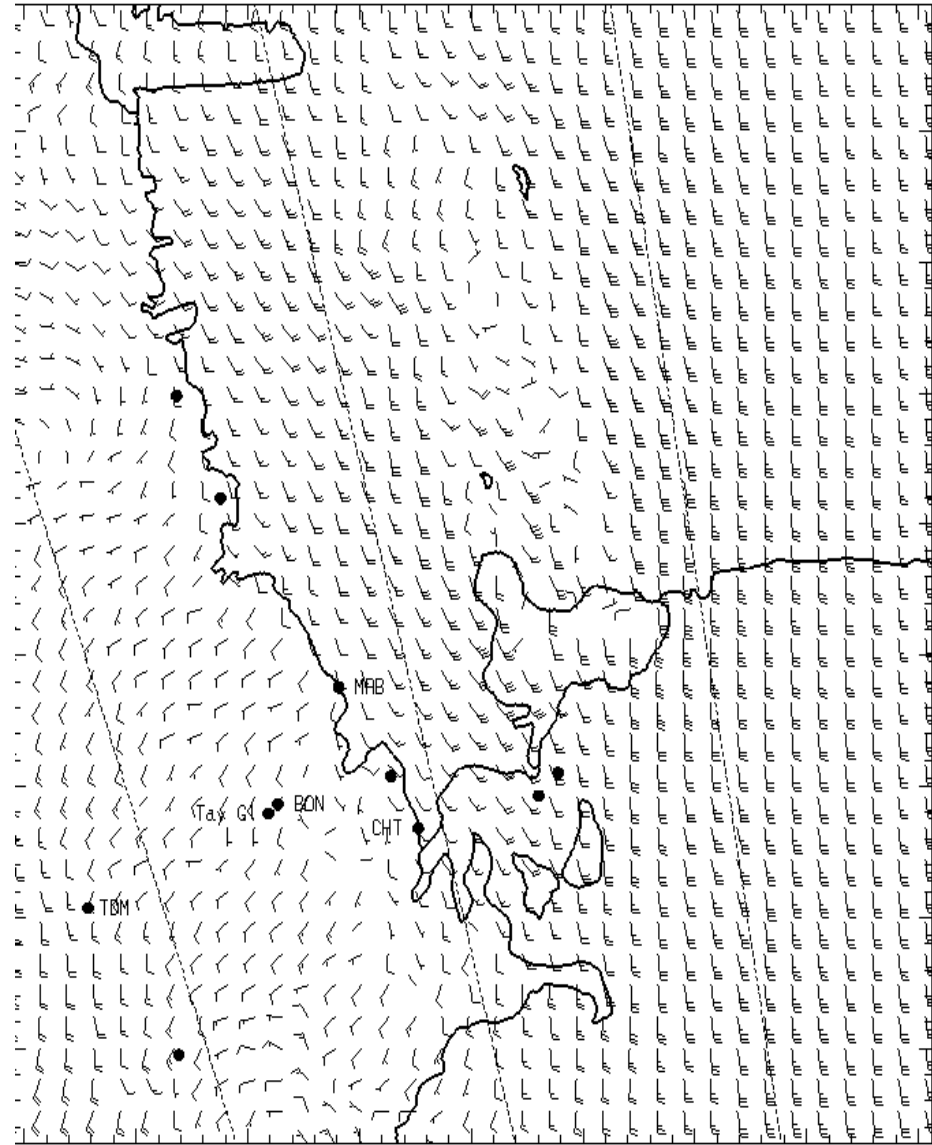
3,000 ft AGL



5,000 ft AGL



0700L



1300L