

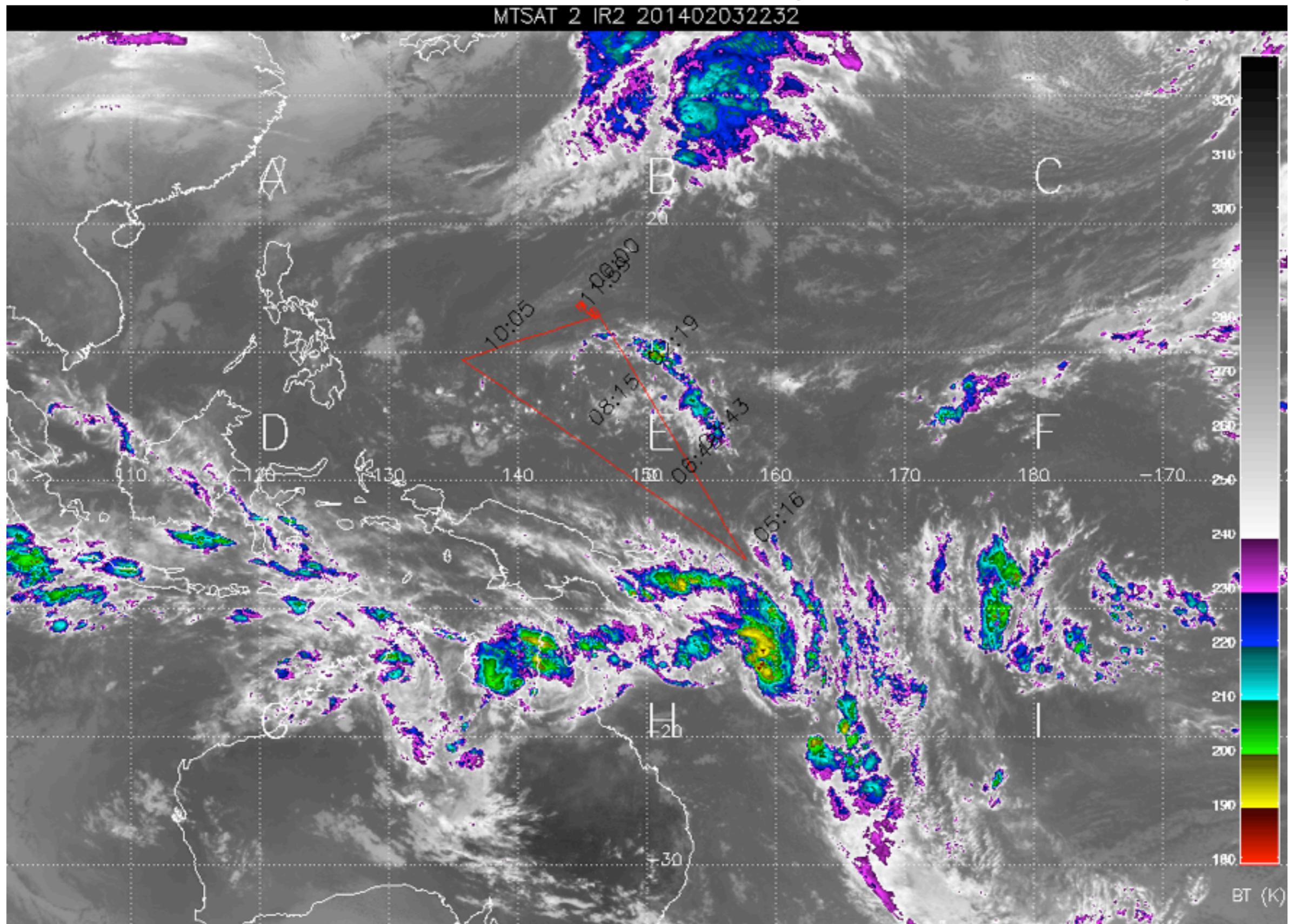
metbrief: 2014-02-04

(next planned flight 2014-02-05 Wed)

- frontal system to the N moving east; trade-wind disturbance to the S moving N-NW towards Guam
- **02-05 Wednesday:** takeoff conditions questionable (noon better than 6AM), landing OK; watch for convection S-SW of Guam during flight
 - 10AM: scattered to broken clouds (base <2600 ft), isolated showers, 10-15 knot E or ENE 080 winds with possible gusts
 - 4AM (Thu): few to scattered clouds (base ~1500 ft), 10 knot ENE 080 winds
- Outlook
 - decreasing cloud cover and drier conditions on **Thursday**; winds OK
 - tail of the frontal system to the N may pass over Guam sometime **Friday**, increasing cloud cover but low precip probability
 - **Saturday**, so far, looks good for flying

'current' condition:

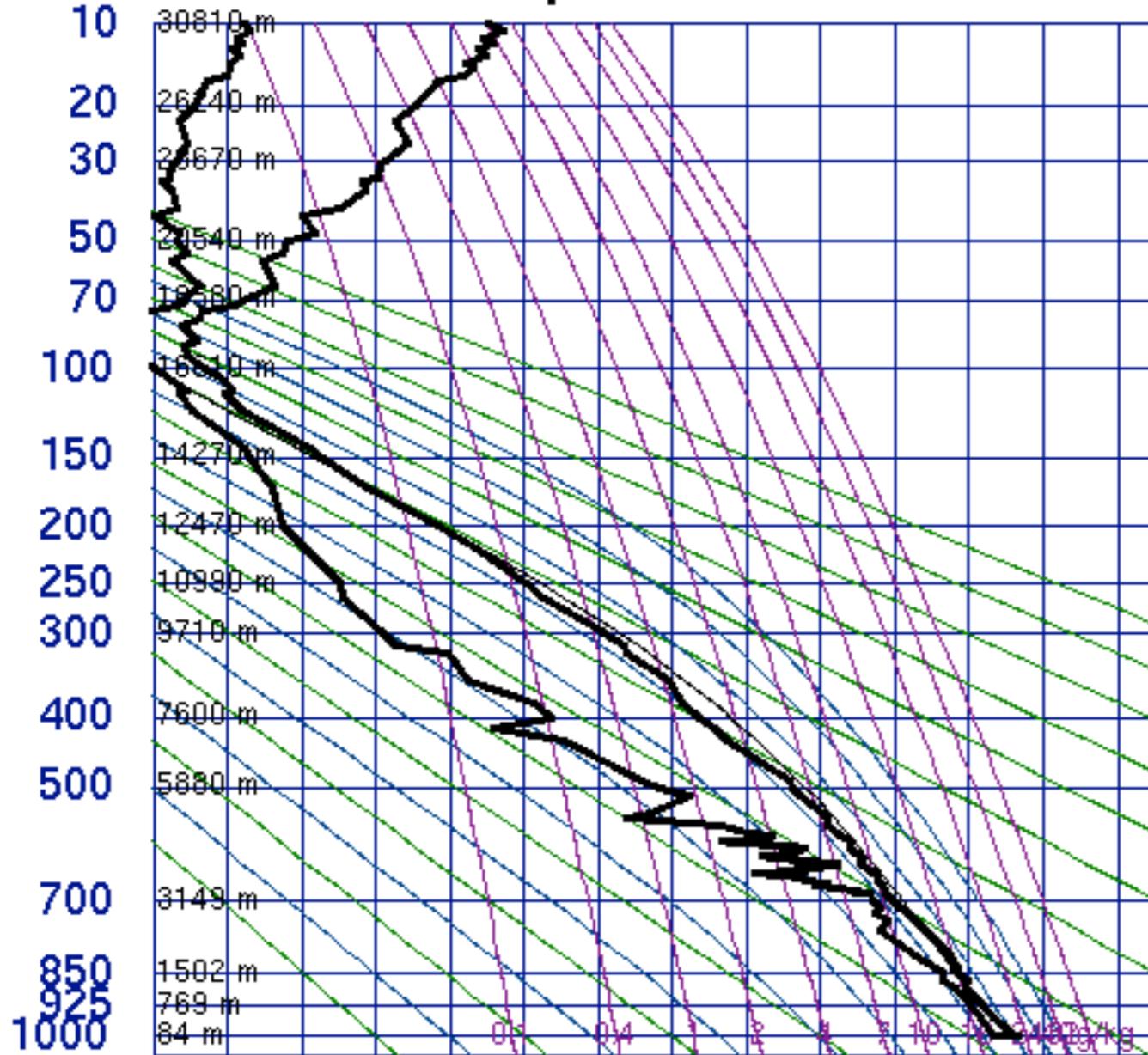
satellite IR imagery on 2014-02-03, ~22TC
(02-04 Tue, ~08AM)



'current' condition:

soundings on 2014-02-03, 12UTC
(02-04 Tue, 10PM)

91212 PGAC Guam Intl Arpt



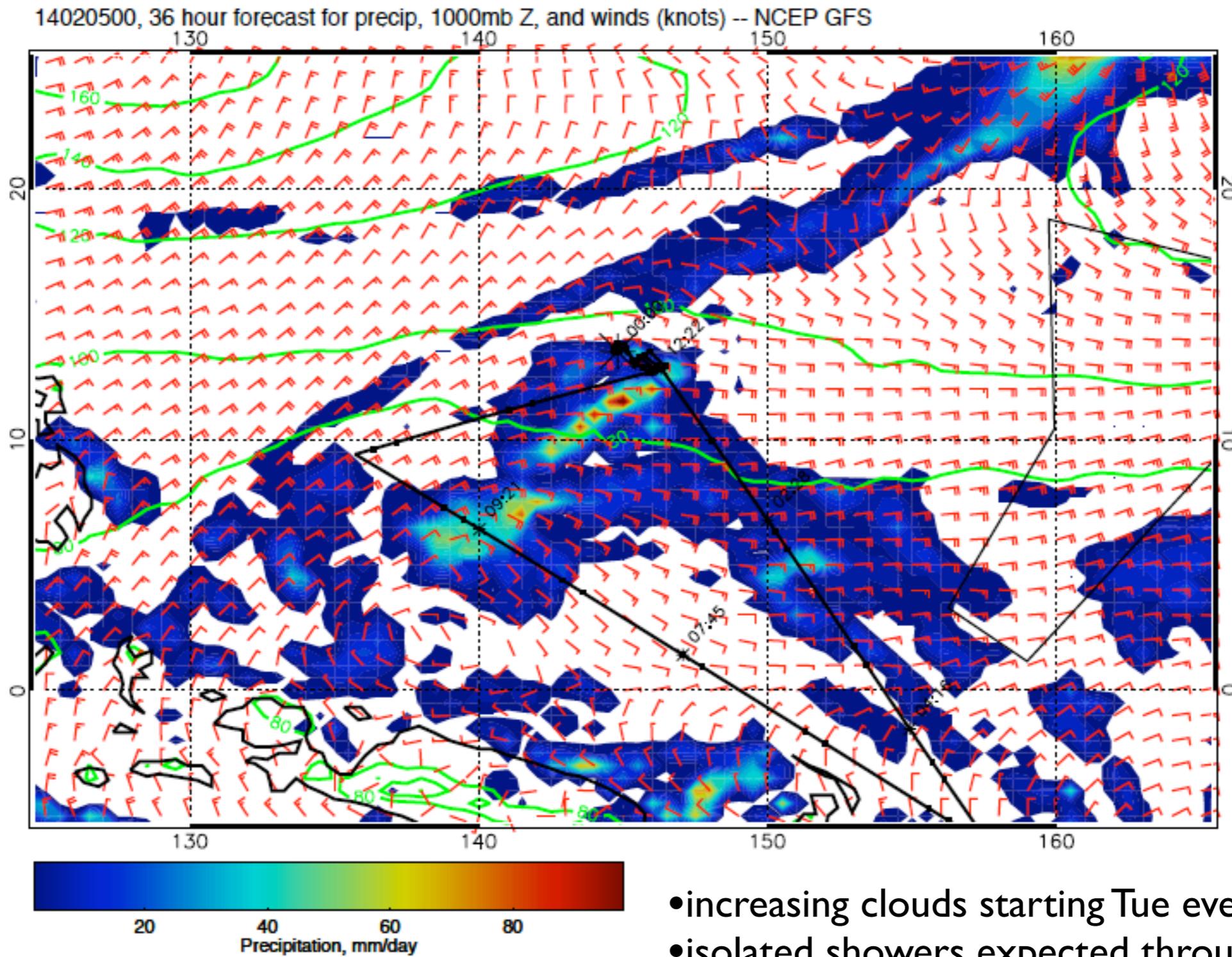
SLAT	13.48
SLON	144.79
SELV	76.00
SHOW	0.26
LIFT	-1.53
LFTV	-2.39
SWET	232.8
KINX	35.70
CTOT	20.10
VTOT	22.10
TOTL	42.20
CAPE	783.3
CAPV	976.6
CINS	-7.39
CINV	-4.55
EQLV	165.2
EQTV	164.8
LFCT	892.3
LFCV	905.2
BRCH	32.96
BRCV	41.10
LCLT	294.9
LCLP	941.5
MLTH	300.1
MLMR	17.86
THCK	5796.
PWAT	50.62

•tropopause T (-86 degC,
187 K) at 17.8 km (58 kft)
⇒unchanged over the
past 2 days

12Z 03 Feb 2014 University of Wyoming

‘Wed take-off’ condition (GFS):

1000mb precip & winds on 2014-02-05, 00UTC
(02-05 Wed, 10AM)



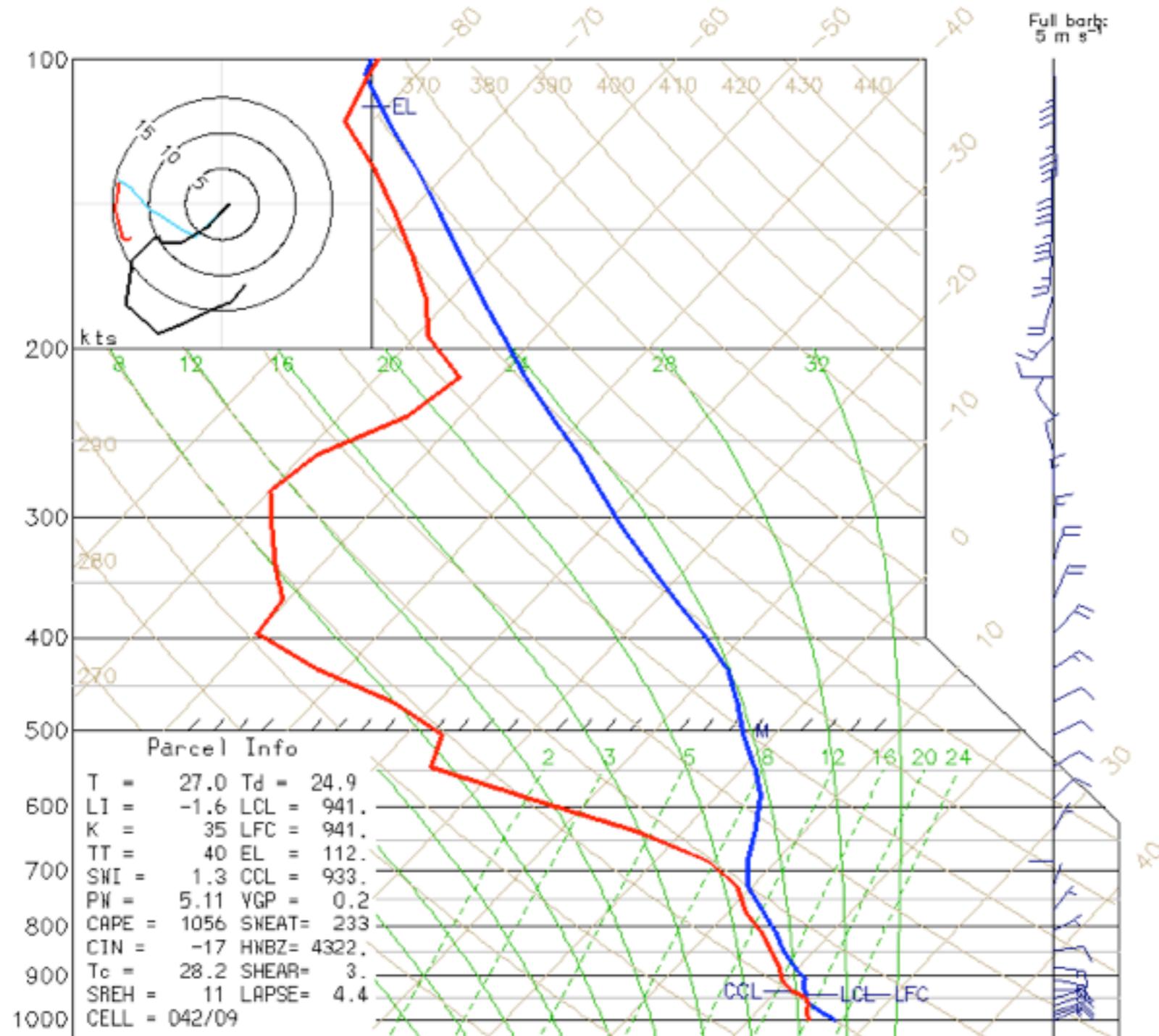
E
10-15 knt

- increasing clouds starting Tue evening
- isolated showers expected through Wed AM
- winds OK for flying

'Wed take-off' condition (NCAR):

soundings on 2014-02-05, 00UTC (02-05 Wed, 10AM)

CONTRAST 15km ARW NCAR/MMM Init: 00 UTC Mon D3 Feb 14
Fcst: 48 h Valid: 00 UTC Wed 05 Feb 14 (10 ChT Wed 05 Feb 14)
Temperature x,y=199.11,166.33 lat,lon= 13.35, 144.80 stn=PGUM,91212
Dewpoint ☆ x,y=199.11,166.33 lat,lon= 13.35, 144.80 stn=PGUM,91212



- moist layer up to 700mb (~10 kft) until Wed ~10PM

- upper-level (300mb) RH confirms this