

metbrief: 2014-03-11

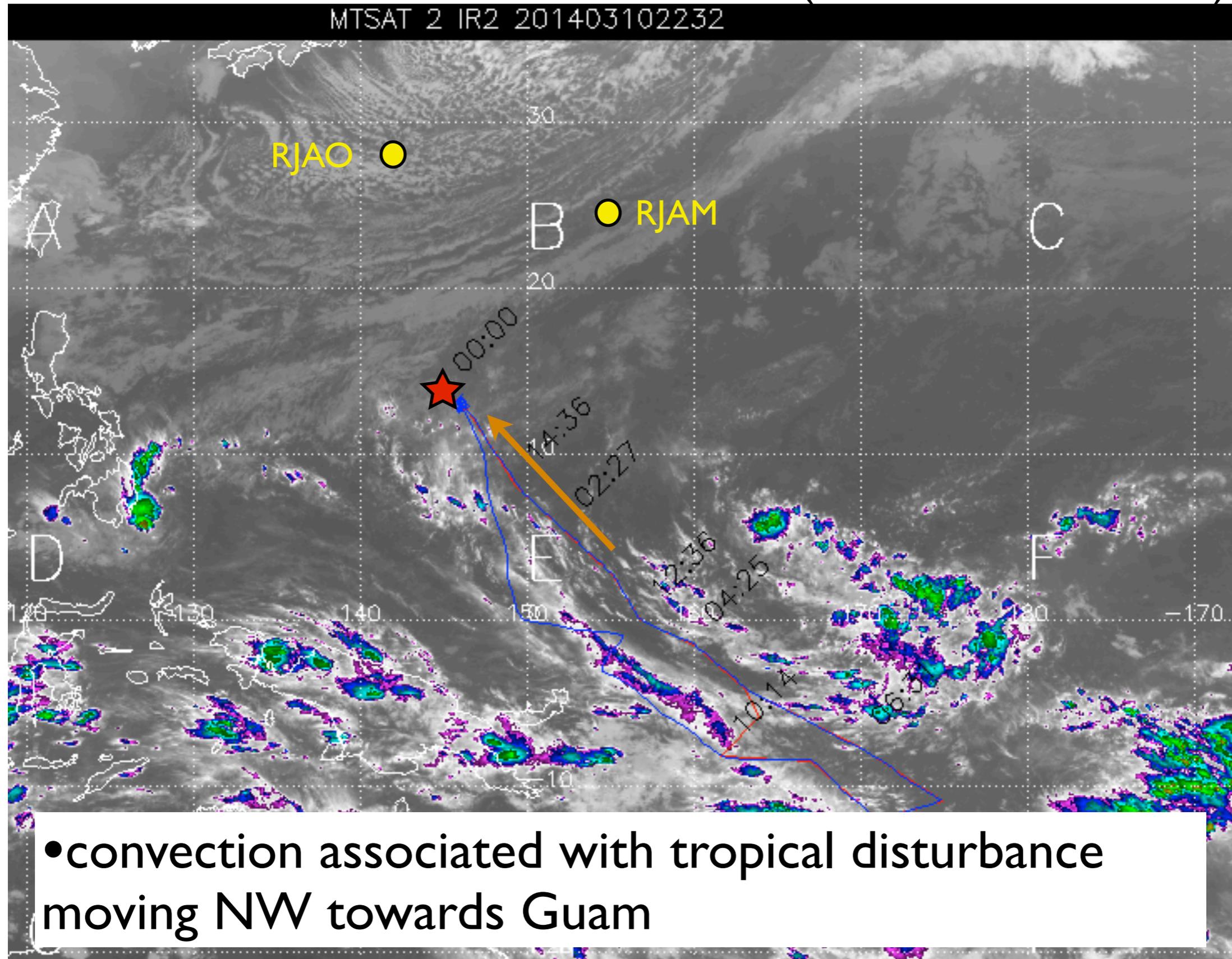
(next science flight 2014-03-12 Wed)

- strong NE winds on Wed (gusts 25-30 knots), but are down the runway so should be OK to fly
- increasing clouds throughout the day, so cloud ceiling may be an issue especially at landing

	wind	cld cover (base)	precip	
Wed takeoff (03AM)	ENE050 25 knt, G25 knt (5 knt cross)	SCT016, BKN030 (TAF: OVC010)	low prob	
midflight	● convection (cloud tops \leq 40-45 kft) at SE portion of the flight track ● light turbulence at 45 kft near the jet stream (north of 30N)			
landing (08PM)	ENE060 25-30 knt, G25-30 knt (1 knt cross)	BKN015, BKN020	isolated	↑ RH 850mb

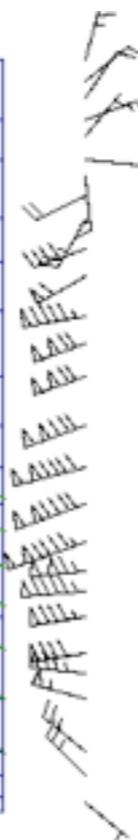
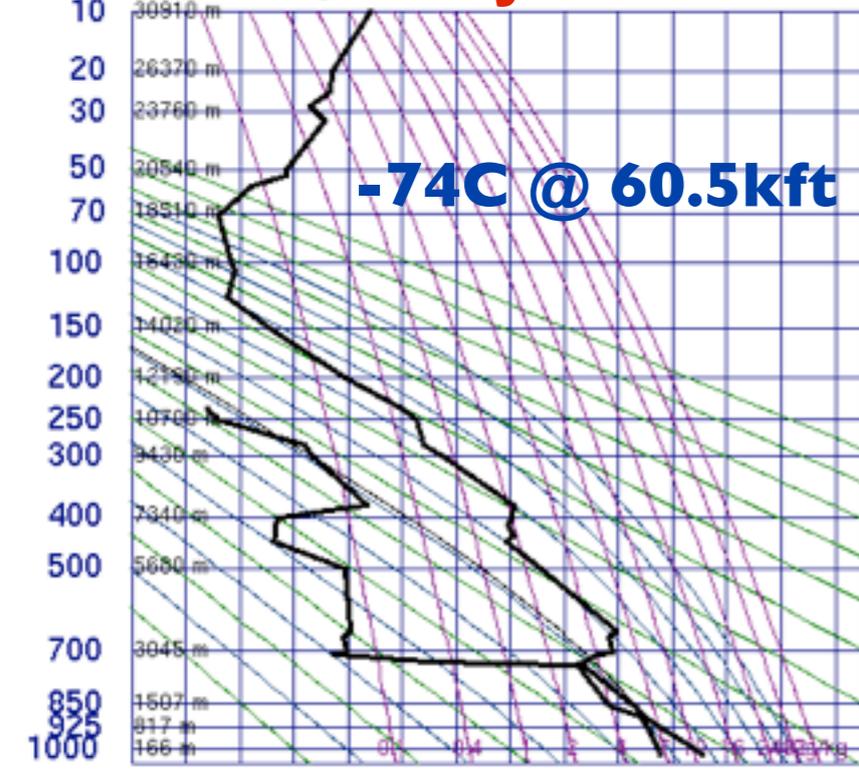
'current' condition:

satellite IR imagery on 2014-03-10, ~22UTC
(03-11 Tue, ~08AM)



soundings on 2014-03-10, 12UTC (03-10 Mon, 10PM)

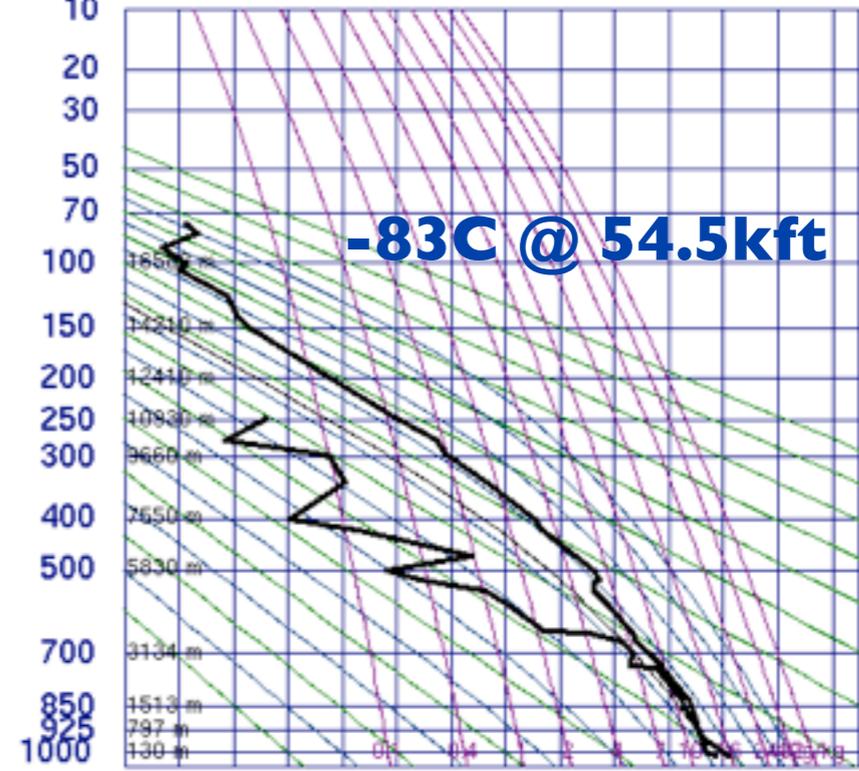
47971 RJA0 Chichijima **RJA0**



SLAT	27.08
SLOE	142.18
SELV	8.00
SHOW	14.62
LIFT	10.79
LFTV	10.65
SWET	133.0
KINX	-34.4
CTOT	12.40
VTOT	16.70
TOTL	29.10
CAPE	92.03
CAPV	108.4
CINS	-0.06
CINV	0.00
EGLV	719.8
EQTV	716.8
LFCT	898.5
LFCV	898.9
BRCH	0.39
BRCV	0.46
LCLT	278.7
LCLP	898.9
MLTH	287.3
MLMR	6.36
THCK	5514.
PWAT	14.45

-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40
12Z 10 Mar 2014 University of Wyoming

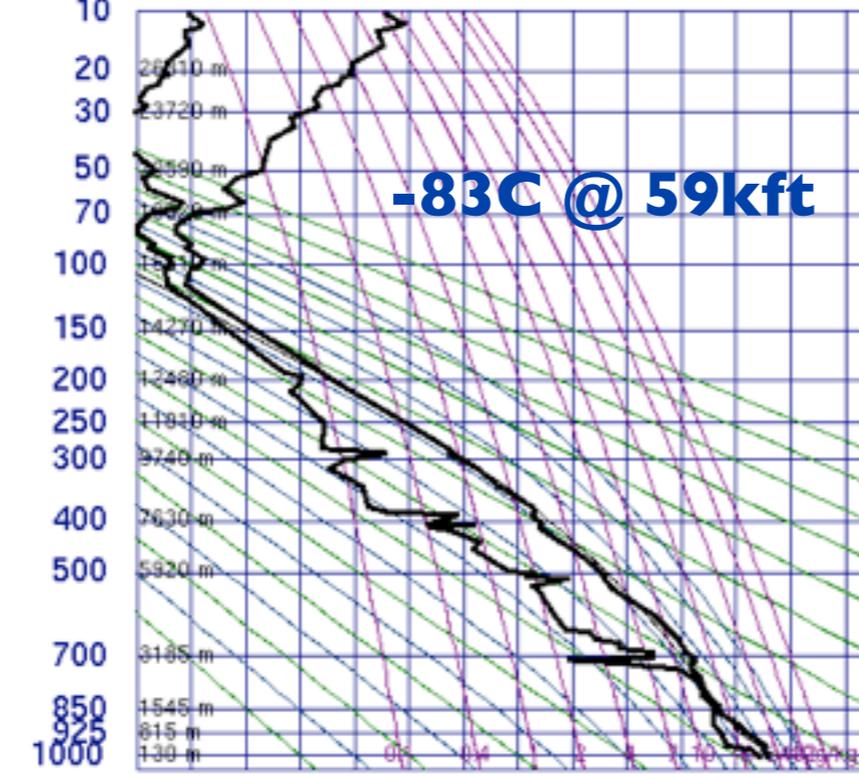
RJAM 47991 RJAM Minamitorishima



SLAT	24.30
SLOE	153.96
SELV	9.00
SHOW	5.88
LIFT	8.20
LFTV	7.75
SWET	279.2
KINX	27.80
CTOT	16.50
VTOT	18.10
TOTL	34.60
CAPE	0.00
CAPV	0.00
CINS	0.00
CINV	0.00
EGLV	-9999
EQTV	-9999
LFCT	-9999
LFCV	-9999
BRCH	0.00
BRCV	0.00
LCLT	289.3
LCLP	953.2
MLTH	293.3
MLMR	12.28
THCK	5700.
PWAT	39.91

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91212 PGAC Guam Intl Arpt **PGAC**



SLAT	13.48
SLOE	144.79
SELV	76.00
SHOW	0.50
LIFT	-1.09
LFTV	-1.75
SWET	242.8
KINX	30.20
CTOT	20.80
VTOT	21.30
TOTL	42.10
CAPE	320.8
CAPV	428.8
CINS	-28.4
CINV	-17.4
EGLV	199.5
EQTV	199.5
LFCT	874.1
LFCV	884.2
BRCH	12.02
BRCV	16.06
LCLT	293.1
LCLP	920.0
MLTH	300.1
MLMR	16.40
THCK	5790.
PWAT	47.30

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(transit flight 2014-03-13 Thu or 2014-03-14 Fri)

- Thu takeoff winds are still ~25 knots, but are within limits
- NE winds become E winds and weaken by Friday
- Landing conditions at EAFB look good (both Thu and Fri)

	wind	cld cover (base)	precip	
Thu takeoff (10AM)	ENE080 25 knt, G25 knt	BKN026, BKN030	low prob	
midflight	•west Pacific (west of dateline): convection south of 10N •east Pacific: convection (cloud top 46 kft) at 5-15N, -140E			
landing @EAFB (05PM)	5 knt NE	CLR		
Fri takeoff (10AM)	E090 15 knt, G15 knt	SCT015, BKN026	low prob	
midflight	•west Pacific (west of dateline): convection south of 10N •east Pacific: weaker convection at 5-15N, -140E			
landing @EAFB (05PM)	5 knt NW	CLR		