

Why I broke out in cold
sweat the morning after a
flight during PREDICT

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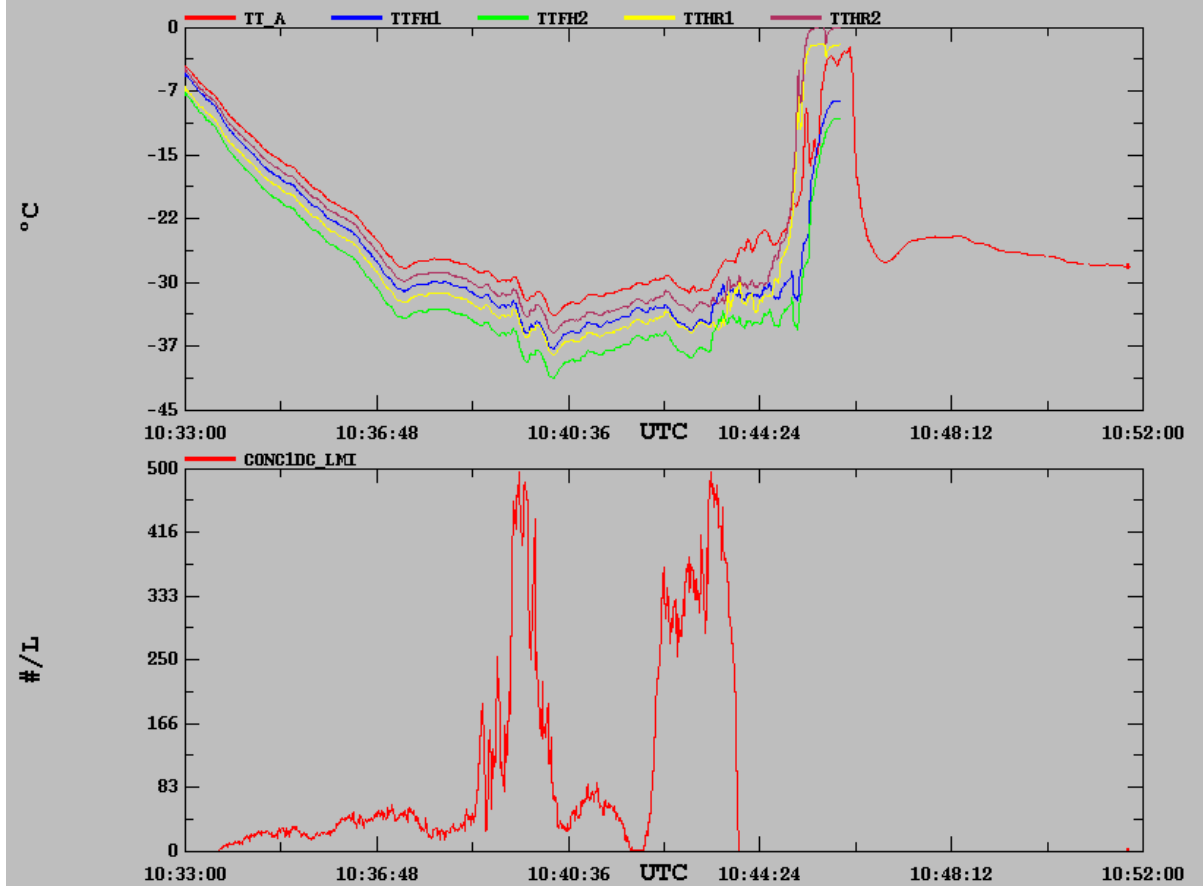


Air France Flight 447
Mid-Atlantic
1 June 2009
228 casualties
Ice in pitot tubes
Pilot errors

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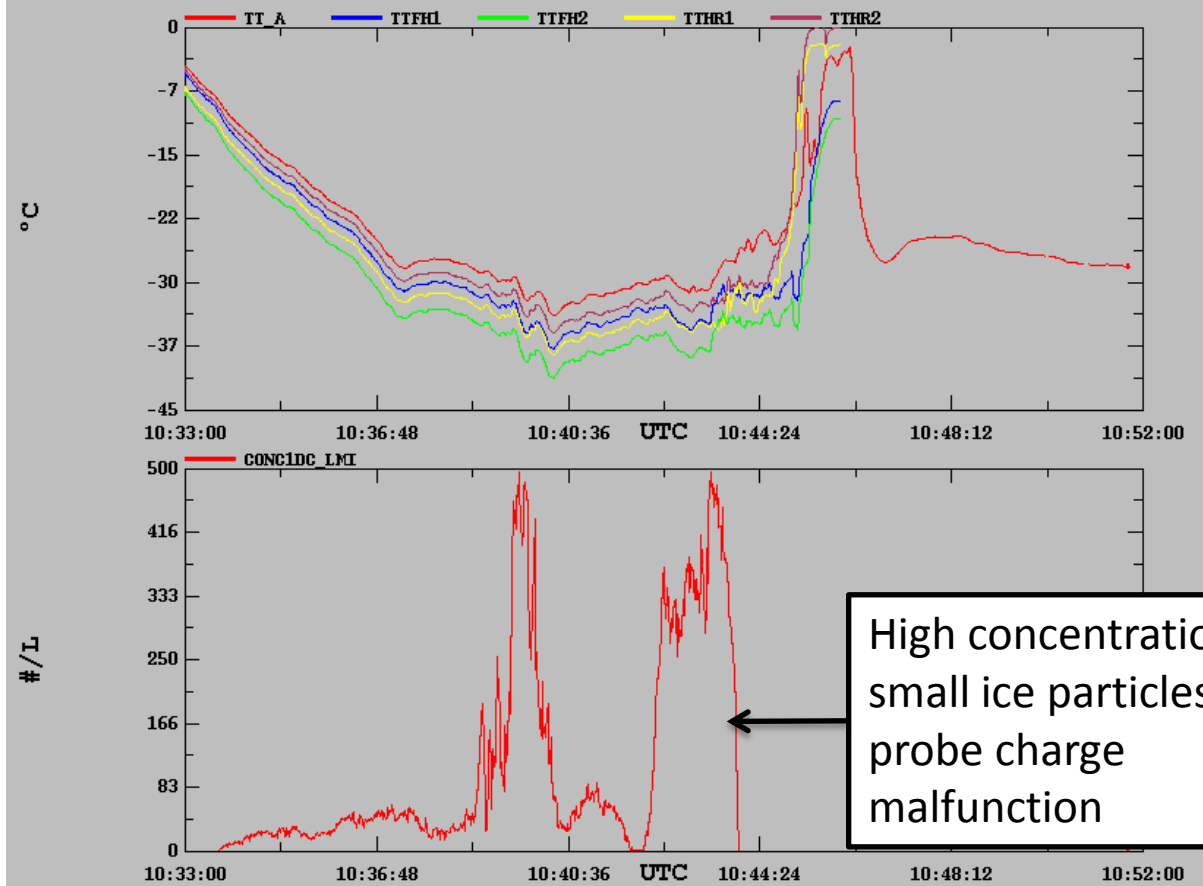
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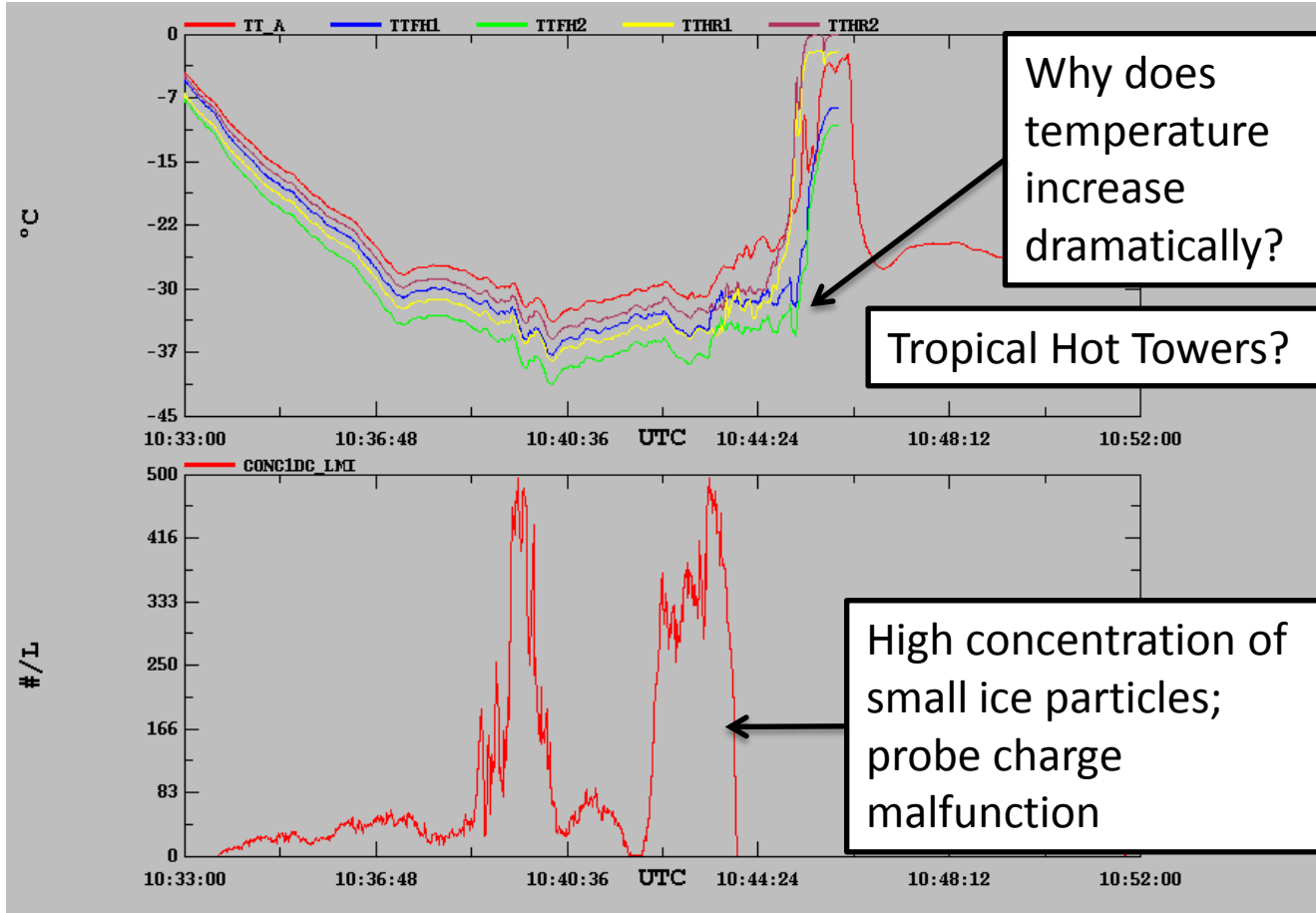
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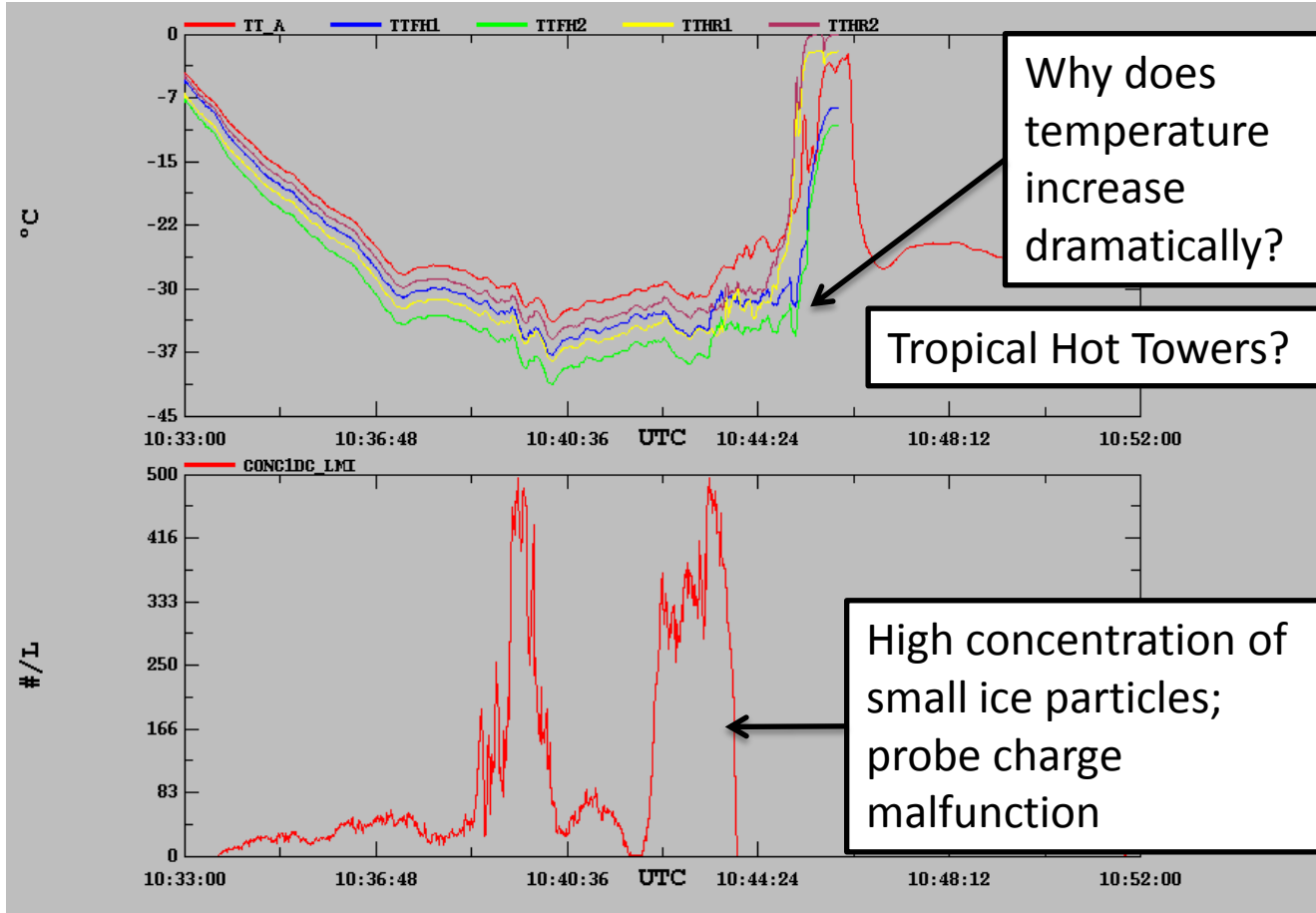


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High Ice-Water Content?
>0.8 g/m³
Frozen cloud drops (-40C)
~10 per cm³
No radar echo (small particles)

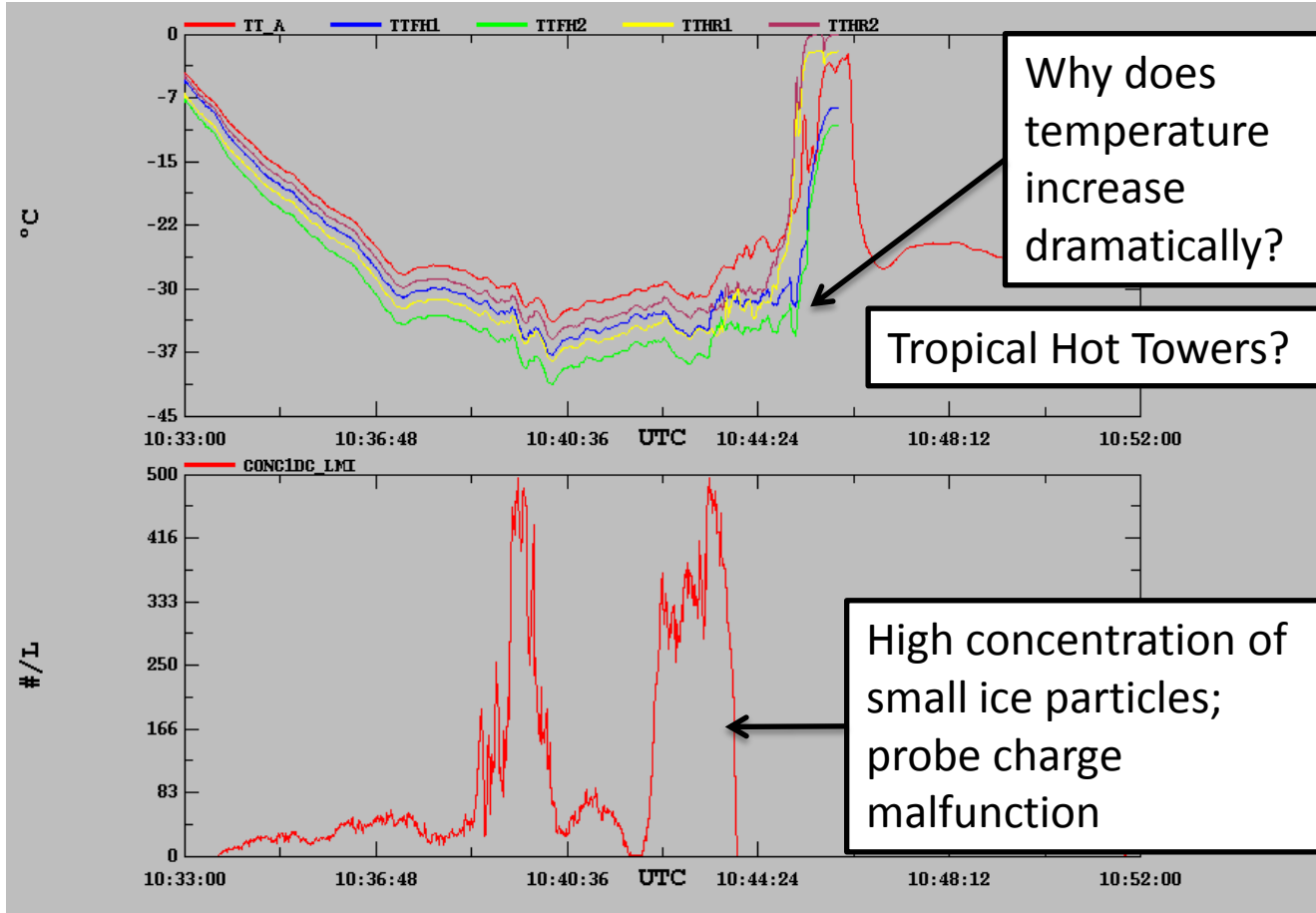


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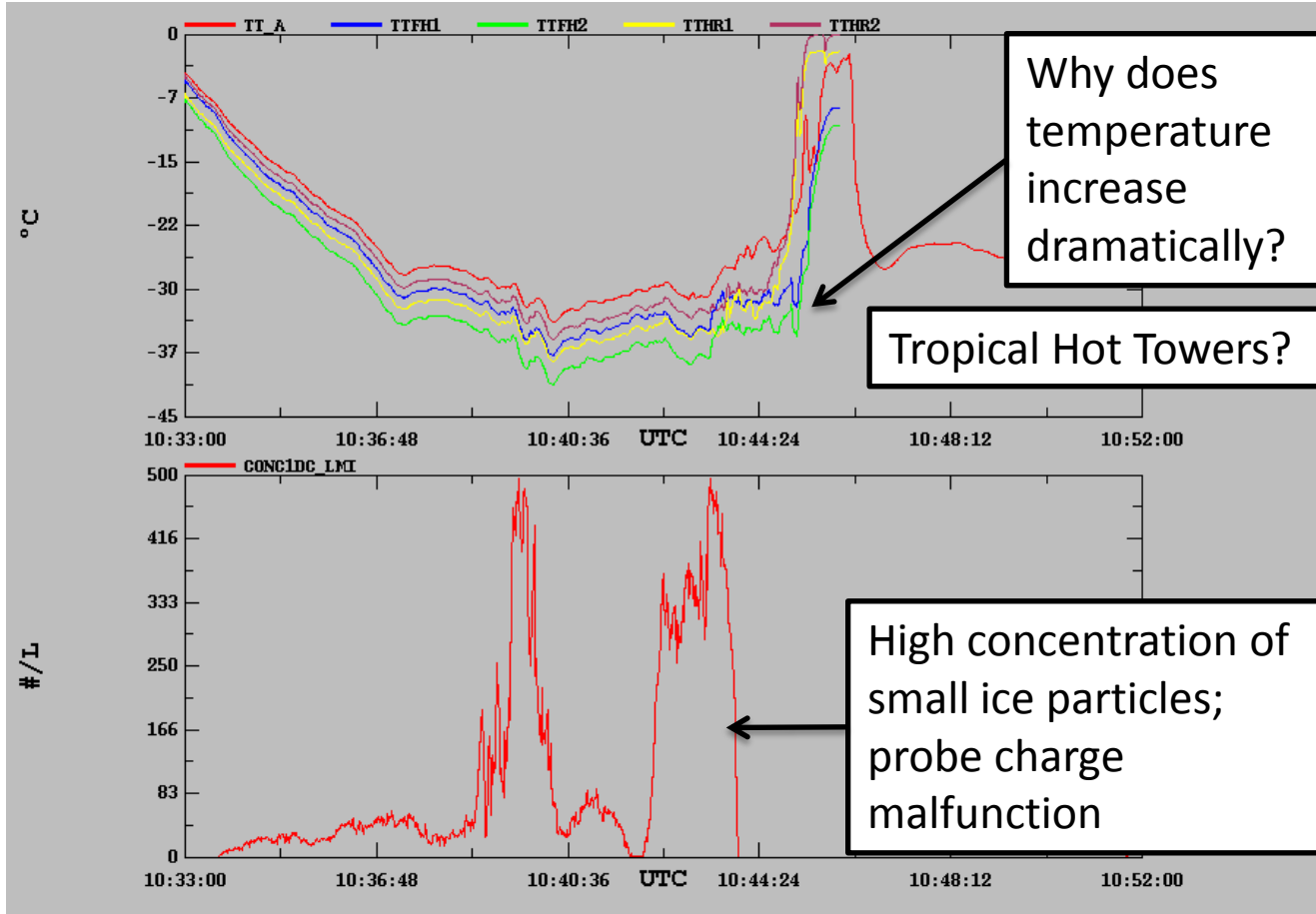


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Pitot pressure and temperature affects auto pilot. Engines can also stop.

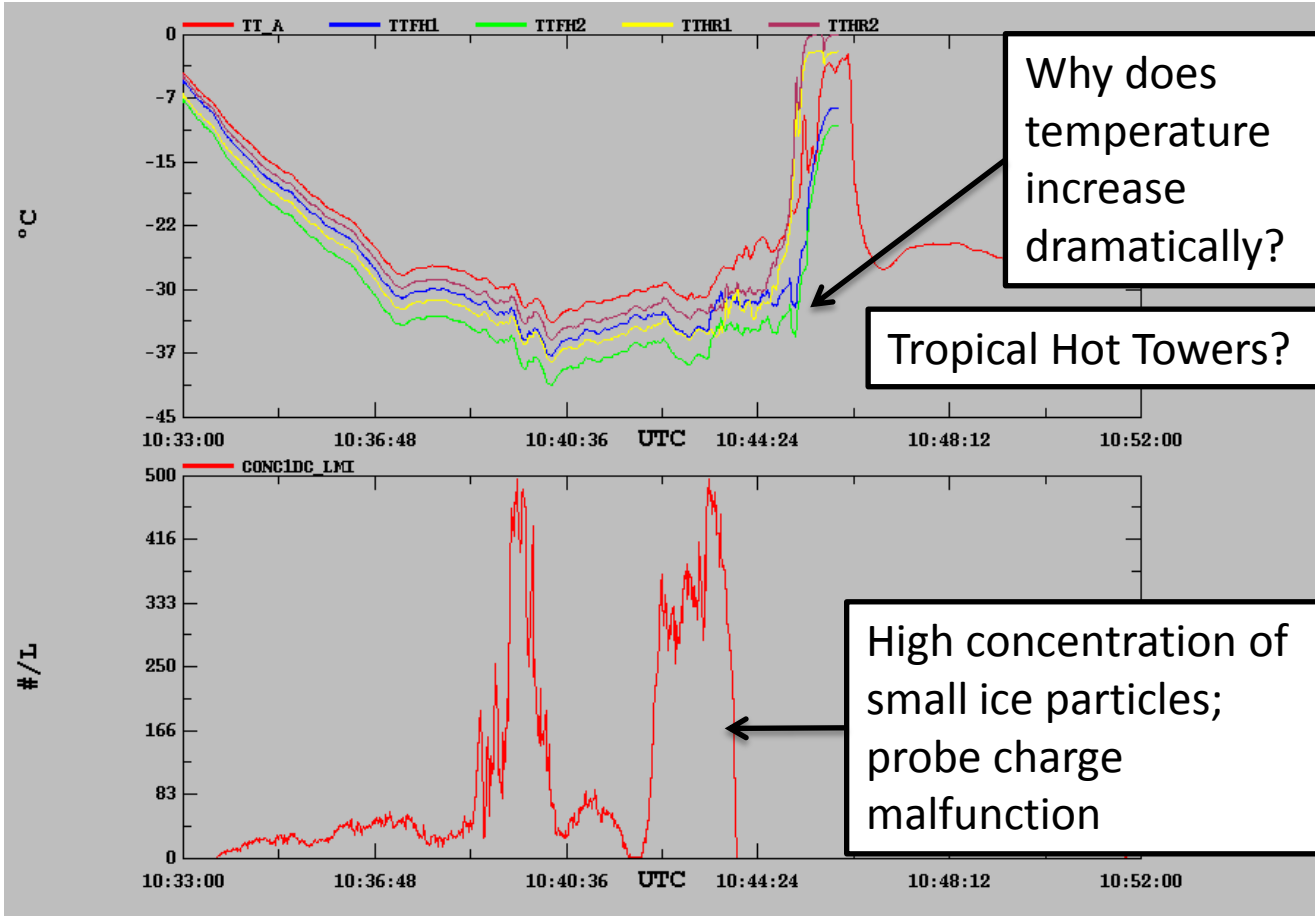


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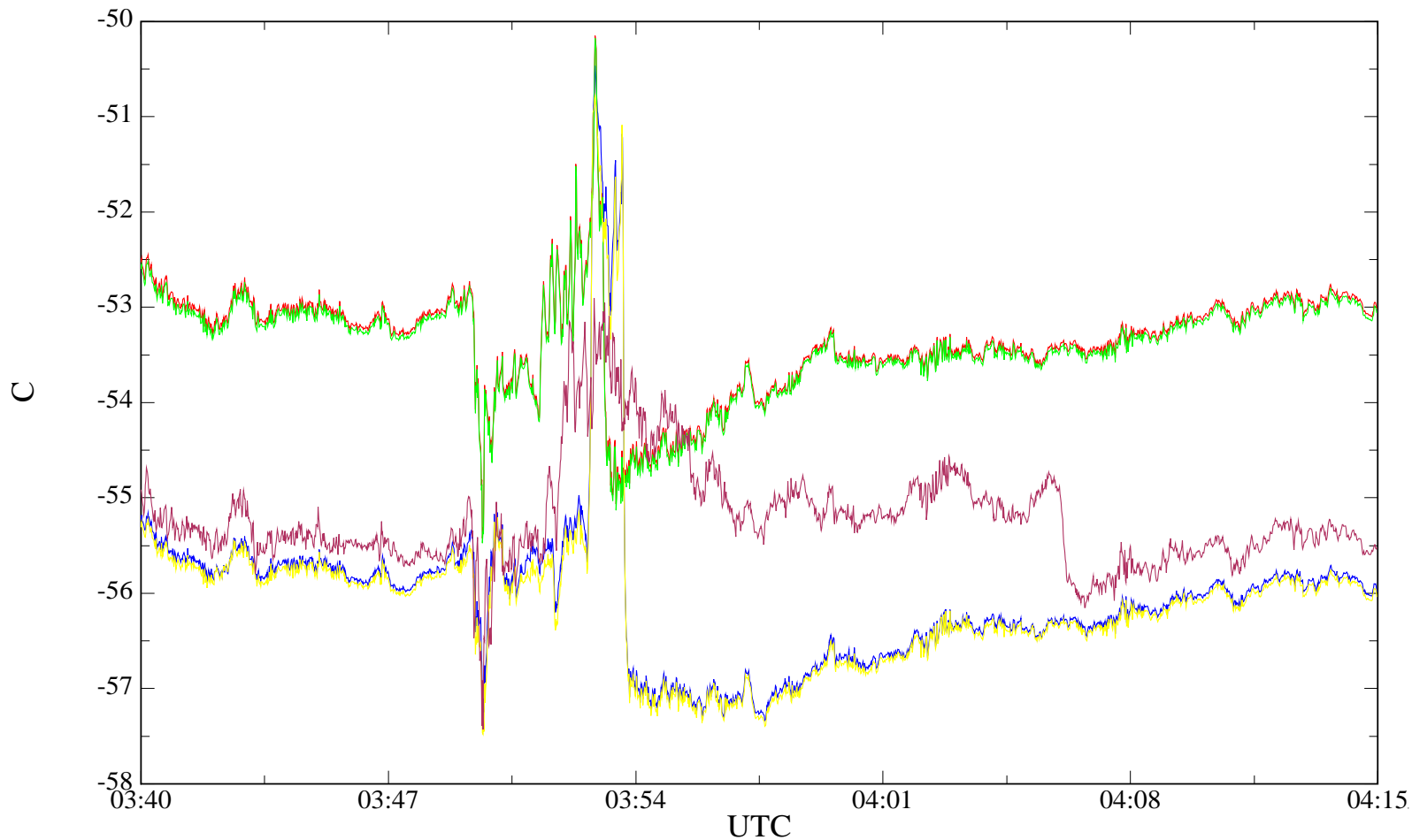


Target convective cores? No.

CONTRAST, Flight #rf11

02/12/2014, 27:40:00-28:15:00

This plot contains preliminary data



	mean	sigma	min	max
— AT_A (C), 1 s/sec	-55.20	0.54	-57.42	-52.90
— ATHR2 (C), 1 s/sec	-56.10	0.85	-57.48	-50.78
— ATFH2 (C), 1 s/sec	-53.40	0.54	-55.47	-50.18
— ATHR1 (C), 1 s/sec	-56.04	0.88	-57.33	-50.47
— ATFH1 (C), 1 s/sec	-53.35	0.54	-55.42	-50.15

CONTRAST, Flight #rf11

02/12/2014, 27:40:00-28:15:00

