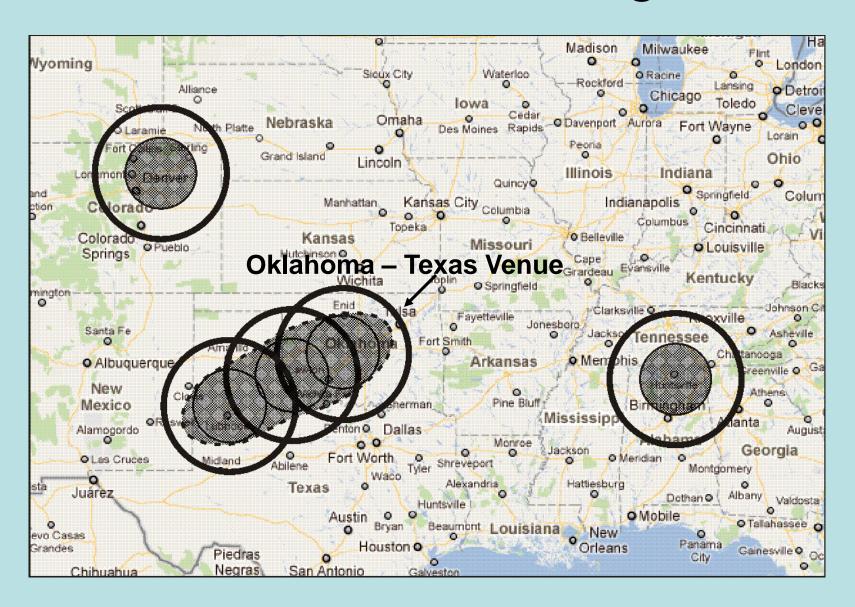
The Oklahoma-Texas Venue of the Deep Convective Clouds and Chemistry (DC3) Experiment

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- ² Cooperative Institute for Mesoscale Meteorological Studies, OU and NOAA/NSSL
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- ⁴ School of Meteorology, University of Oklahoma (OU), Norman

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DC3 LMA Coverage



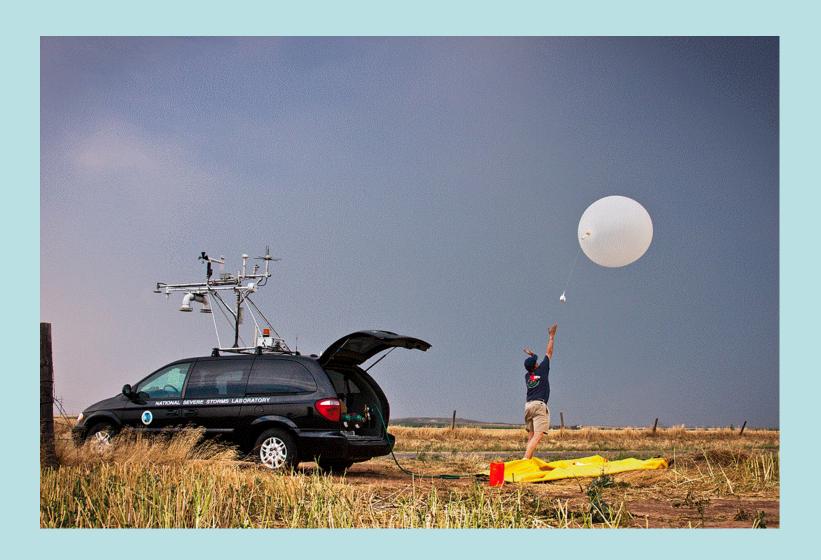
SMART-Rs and KOUN



NO-XP



Environmental Soundings



In-Storm Ballooning



1st In-Storm Balloon Launch



OK-TX Operations in DC3

Date / Time (UTC)	Storm Mode	Aircraft	Radars	Environ. Soundings	In-Storm Sounding
1. 5/19 1815 – 5/20 0400	Multicell- supercell	G-V & DC- 8	NO-XP & SMART-R 1 & 2	4	EFM, Imager, & Parsival
2. 5/25 1800 – 5/26 0430	Multicell- supercell	G-V & DC- 8	NO-XP & SMART-R 1 & 2	3	Х
3. 5/28 2000 – 5/29 0200	Multicell (Supercell*)		NO-XP & SMART-R 1 & 2	2	maybe ok EFM & Imager
4. 5/29 1800 – 5/30 0300	Tornadic Supercell	G-V, DC-8, & Falcon	NO-XP & SMART-R 1 & 2	3	One X, One EFM & Imager
5. 5/30 1800 – 5/31 0500	HP Tornadic Supercell	Falcon	NO-XP & SMART-R 1 & 2	3	X
6. 6/1 1700 – 6/2 0400	Multicell	G-V & DC- 8	SMART-R 1 & 2	2	-
7. 6/3 1800 – 6/4 0400	Multicell		SMART-R 1 No SMART-R 2	2	No Sounding Receiver
8. 6/4 1800 – 6/5 0600	Multicell		SMART-R 1 & 2	3	EFM & Imager

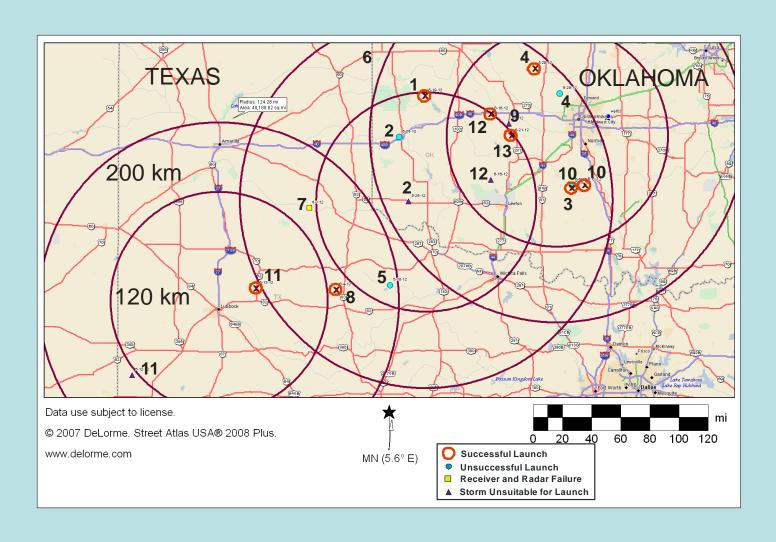
- * In local environment, but not chosen for in-storm sounding
- X Balloon launch failed
- In-storm sounding vehicles stayed in Norman

OK-TX Operations in DC3 (continued)

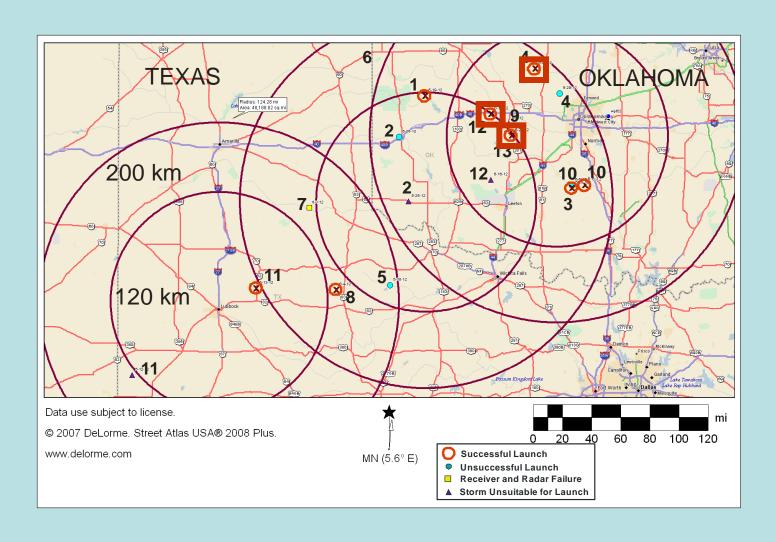
Date / Time (UTC)	Storm Mode	Aircraft	Radars	Environ. Soundings	In-Storm Sounding
9. 6/5 1900 – 6/6 0100	Multicell Line	Falcon	NO-XP & SMART-R 1 & 2	3	No suitable target
10. 6/6 1800 – 6/6 2300	MCS		NO-XP & SMART-R 1 & 2	3	One X, One EFM & Imager
11. 6/12 1600 - 6/13 0900	MCS (Supercell*)		NO-XP & SMART-R 1 & 2	3	maybe ok EFM & Imager
12. 6/16 1800 - 6/17 0200	Multicell	G-V & DC- 8	NO-XP & SMART-R 1 & 2	6	EFM & Imager
13. 6/21 1500 - 6/21 2100	Multicell		NO-XP & SMART-R 1 & 2	2	EFM, Imager, & Parsival

- * In local environment, but not chosen for in-storm sounding
- X Balloon launch failed
- In-storm sounding vehicles stayed in Norman

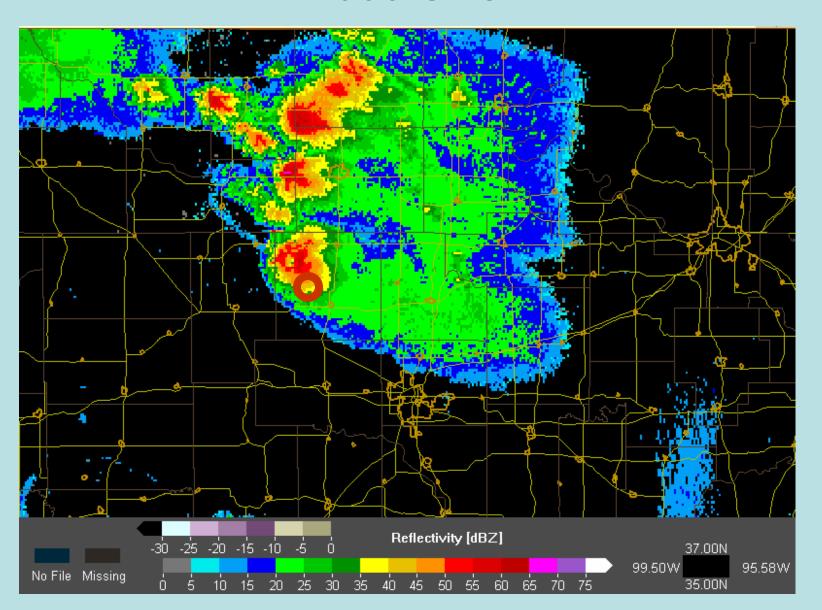
Locations of OK-TX Operations



Locations of OK-TX Operations



Composite Reflectivity, 29 May 2012 2335 UTC

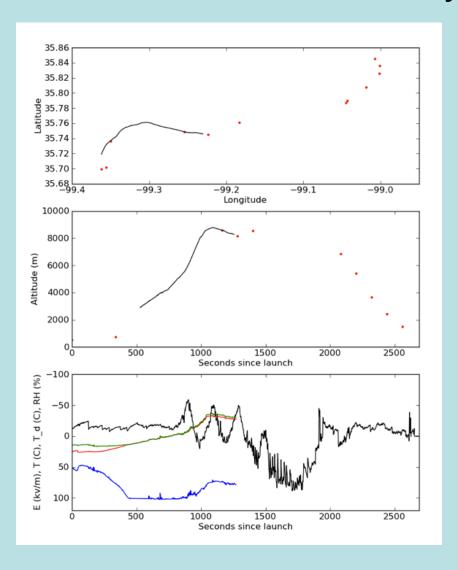


29 May 2012, Approx. 2325 UTC



In-Storm Sounding

Launched: 2335 UTC, 29 May 2012



OK-LMA Data During Flight

