

Supporting Information for Observations of the influence of turbulence on lightning initiation and propagation

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Introduction

The following contains supporting information for the storms analyzed in the study (Table S1). The data sets collected considered the period when the storms were within the observational domain (Figure S1).

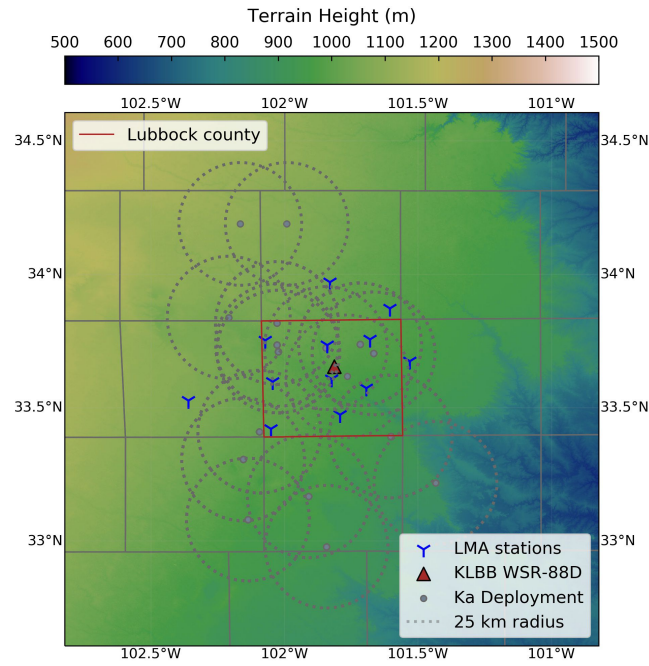


Figure S1. Spatial distribution of the WTLMA stations, KLBB WSR-88D, TTU Ka-band radar deployments and their radius of data acquisition across the South Plains during the KTaL experiment. Lubbock county is highlighted in red.

Table S1. Summary of the storms analyzed.

Date	Interval Considered* (UTC)	Predominant Storm Mode	Life Cycle Stage
29-30 June 2015	22:23 - 00:23	Squall Line	Mature - Decaying
04 July 2015	05:30 - 05:50	MCS	Decaying
06-07 July 2015	22:27 - 23:08	Multicell - MCS	Mature
	22:44 - 01:22		
10-11 July 2015	22:26 - 22:52	Multicell	Mature
	01:00 - 01:12		Mature
	02:20 - 02:51		Mature - Decaying
19 May 2016	04:17 - 04:26	Multicell	Mature
22 May 2016	22:38 - 00:36	Multicell	Developing - Mature - Decaying
30 May 2016	00:26 - 01:48	Multicell - MCS	Mature - Decaying
01 June 2016	02:21 - 03:10	Multicell	Decaying
15 June 2016	23:26 - 23:57	Multicell	Mature