## **TORUS-LItE Deployment Summary Movies**

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## Summary

These movies are included as summaries of key TORUS-LITE deployments and are generated from IDV (Integrated Data Viewer) visualizations that, along with the raw position data, are available separately. Each movie includes the positions of all assets operating on a particular day updated at a 1-minute time interval, the radar reflectivity from the nearest WSR-88D, and scanning symbols for remote-sensing instruments.

## Acronyms

CoMeT Combined Mesonet and Tracker LIDAR Light Detection and Ranging

NOAA National Oceanic and Atmospheric Administration

NSSL National Severe Storms Laboratory

PPI Plan Position Indicator
PRF Pulse Repetition Frequency

RAAVEN Robust Autonomous Aerial Vehicle-Endurant Nimble

RHI Range Height Indicator
TTU Texas Tech University
UAS Unoccupied Aircraft System
UCB University of Colorado, Boulder
UNL University of Nebraska – Lincoln

VWP Vertical Wind Profile

## **Key for asset names**

Platform	Description	Code in Graphical Summ	lcon
RAAVEN-2	UCB RAAVEN UAS	RAV2	
RAAVEN-5	UCB RAAVEN UAS	RAV5	
RAAVEN-6	UCB RAAVEN UAS	RAV6	
RAAVEN-7	UCB RAAVEN UAS	RAV7	
RAAVEN-8	UCB RAAVEN UAS	RAV8	
RAAVEN-9	UCB RAAVEN UAS	RAV9	
RAAVEN-10	UCB RAAVEN UAS	RAV10	
CoMeT-1	UNL mobile mesonet	C1	

CoMeT-2	UNL mobile mesonet	C2	
CoMeT-3	UNL mobile mesonet	C3	
Probe-1	NSSL mobile mesonet	Prb1	
Probe-2	NSSL mobile mesonet	Prb2	
LIDAR MM	NSSL mobile LIDAR, mobile mesonet, and mobile sounding system	LI-MM	
Windsonds	Windsonds	WS_[sondeID]	
Soundings	Radiosondes	[sondeSN]	
LIDAR Scan	Appears when LIDAR is scanning (no distinction is made between a VWP and a vertical stare)	LI_scn	
TTU Ka-1	Appears when a TTU Ka-band mobile radar is scanning  Range is based on the R <sub>max</sub> for a typical TTU-Ka PRF  Sector includes a (360°) surveillance sweep corresponding to low-level PPIs and a sector within which RHIs were collected	TTUKa1	
TTU Ka-2	Appears when a TTU Ka-band mobile radar is scanning  Range is based on the R <sub>max</sub> for a typical TTU-Ka PRF  Sector includes a (360°) surveillance sweep corresponding to low-level PPIs and a sector within which RHIs were collected	TTUKa2	
NOXP	Appears when NOAA x-band dual-polarimetric radar is scanning  Range is based the R <sub>max</sub> for a typical NOXP PRF	NOXP	