The Ohio Valley Tornado Outbreak November 5th 2017 An Examination of the Long Track EF2 Tornado Across E. Indiana/W. Ohio

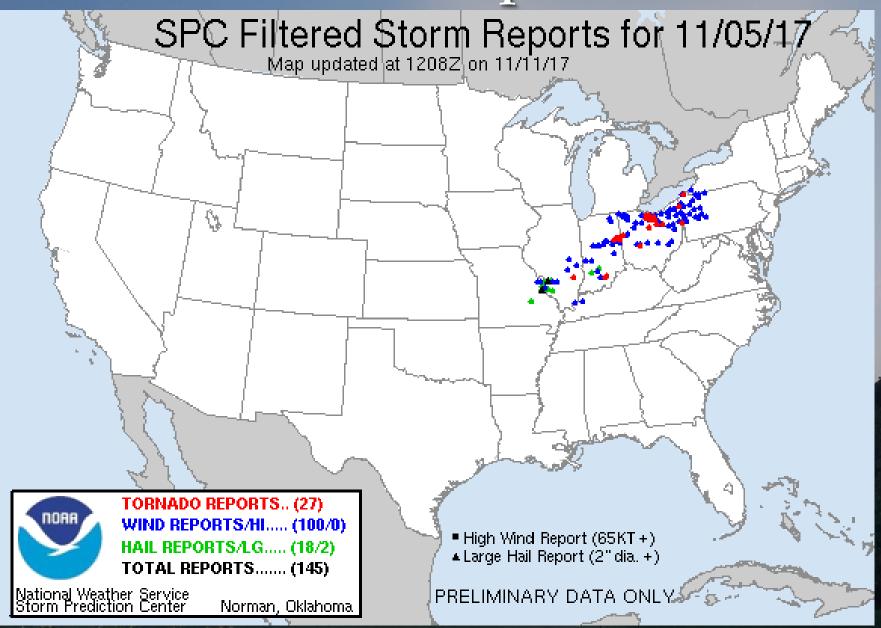
26th Annual US/Canada Great Lakes Operational Meteorology Workshop



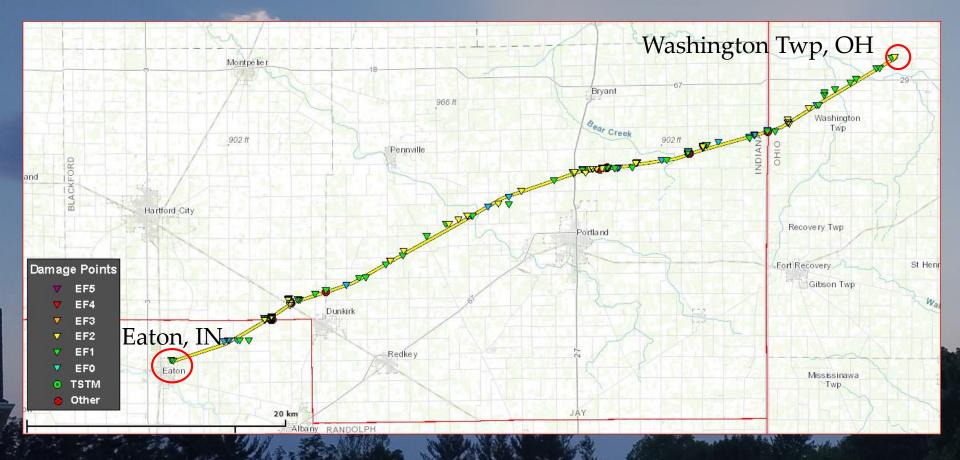


Jeff Logsdon, Science and Operations Officer Todd Holsten, Lead Forecaster NWS Northern Indiana

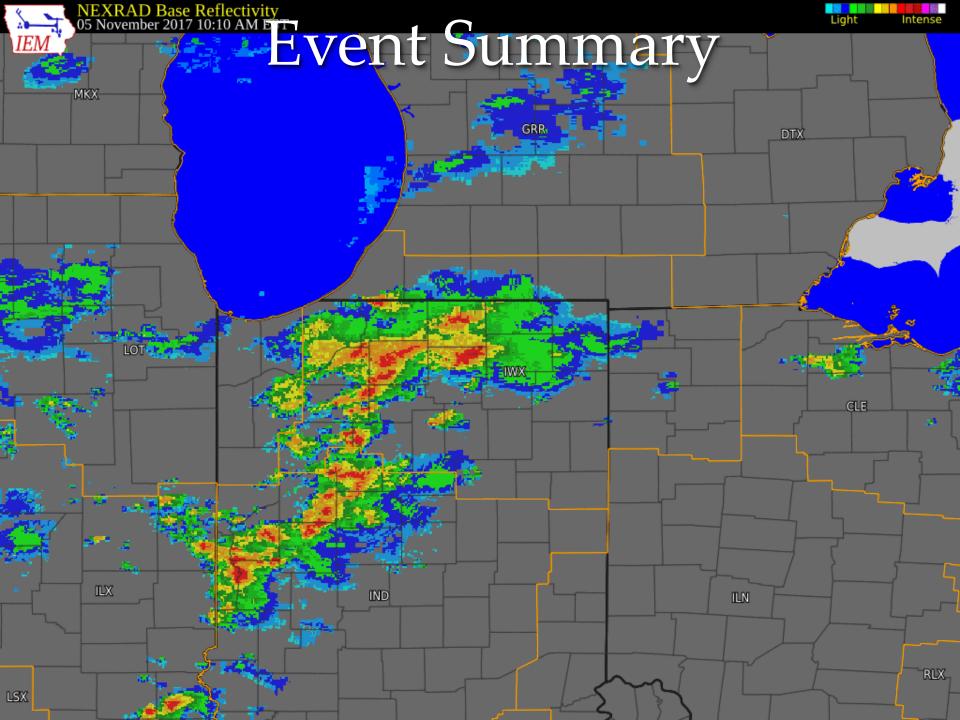
Storm Reports



Tornado Track



Total Track Length: 39 miles...a record November track had it remained in Indiana
Record 38 mile track of Kokomo Tornado on Nov 17, 2013 still stands



SPC 12Z Outlook

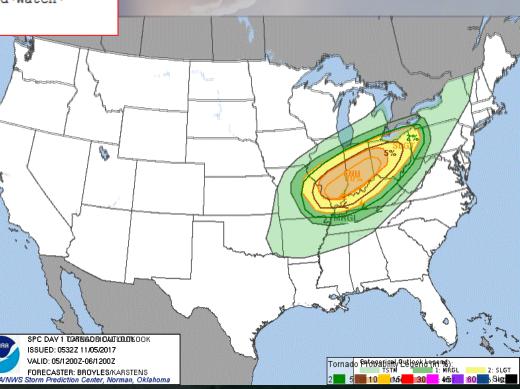
534 • AM • EST • Sun • Nov • 5 • 2017 • / 434 • AM • CST • Sun • Nov • 5 • 2017 /

This hazardous weather outlook is for portions of southwest Michigan...northern Indiana and northwest Ohio.

.DAY ONE ... Today and Tonight

Thunderstorms will become likely today and persist into this evening. Severe storms are possible with large hail and damaging winds. Isolated tornadoes and heavy rainfall that may lead to flooding are also possible. The best chances for severe storms and flooding are near and south of highway 24. Please see the Flash Flood Watch product for more information.





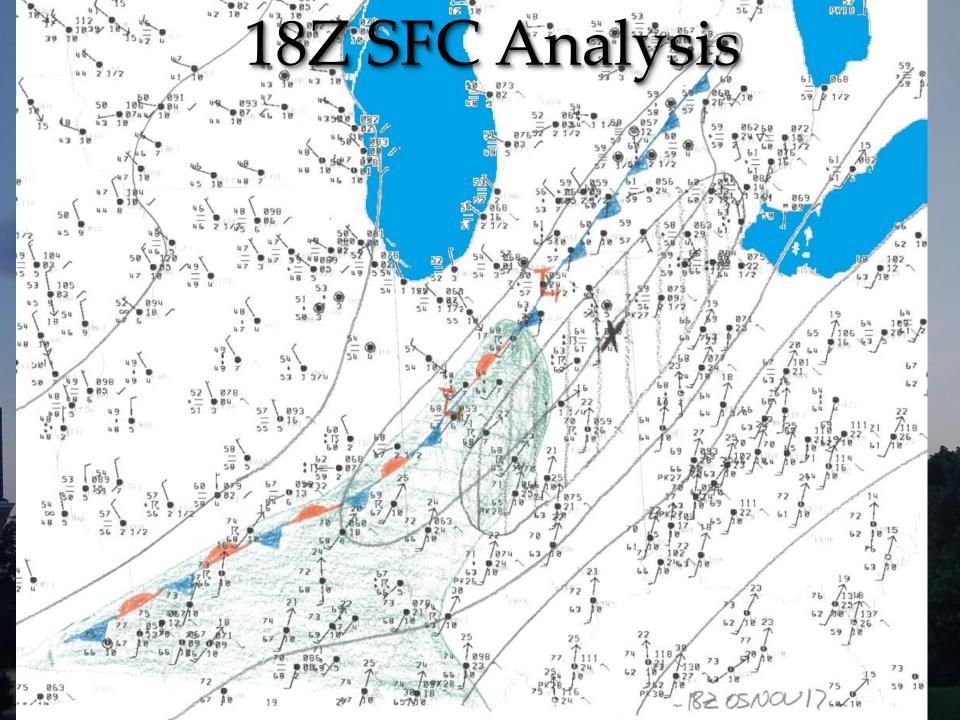
"2 out of 3 rule"

Does not always work...

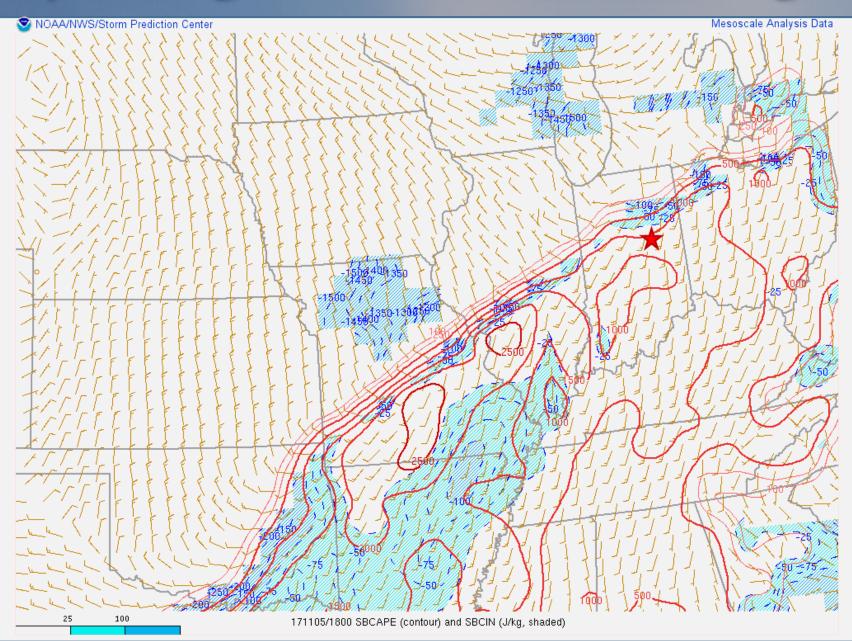
1) Readily apparent radar signatures

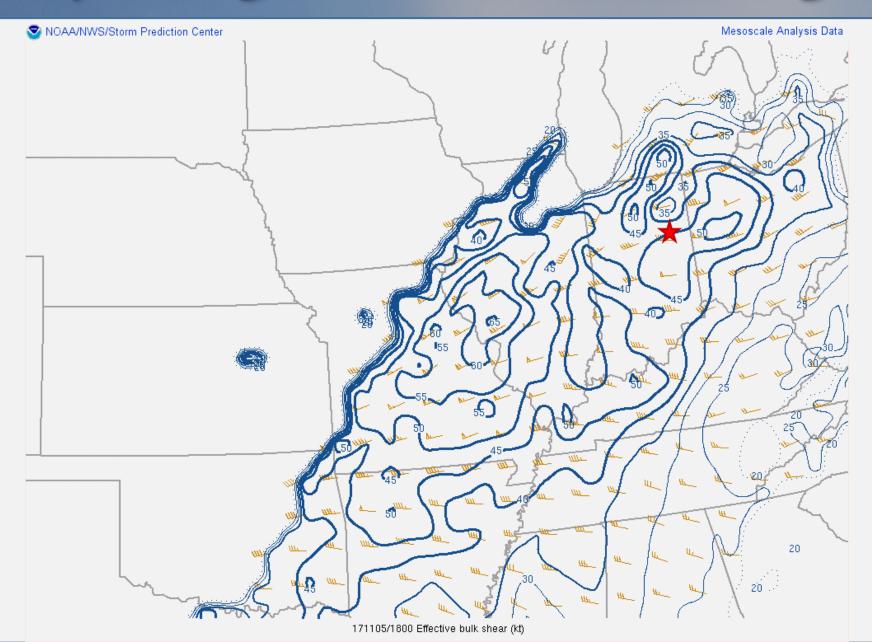
2) Reports of confirmed tornado and/or extensive damage

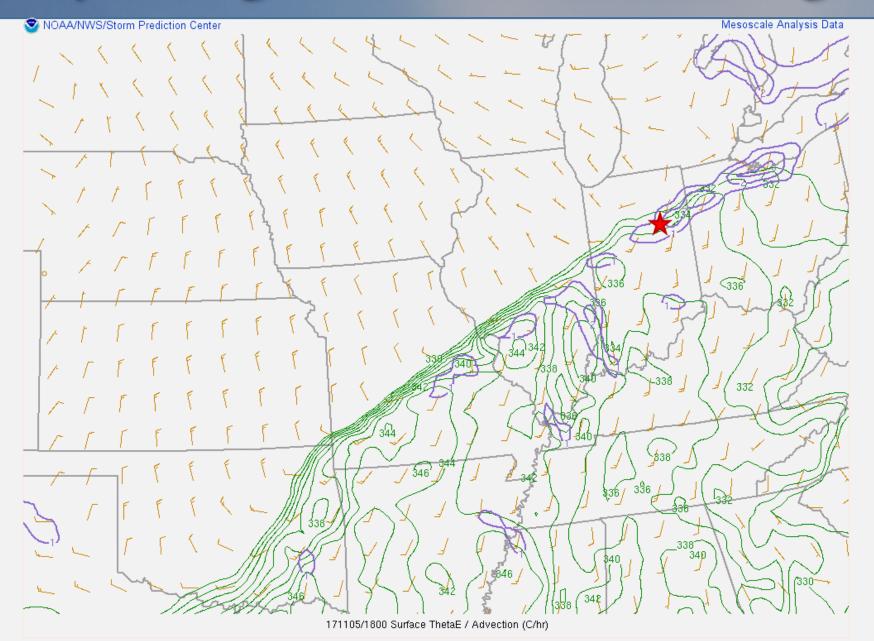
3) Favorable mesoscale environment and/or stormscale interactions

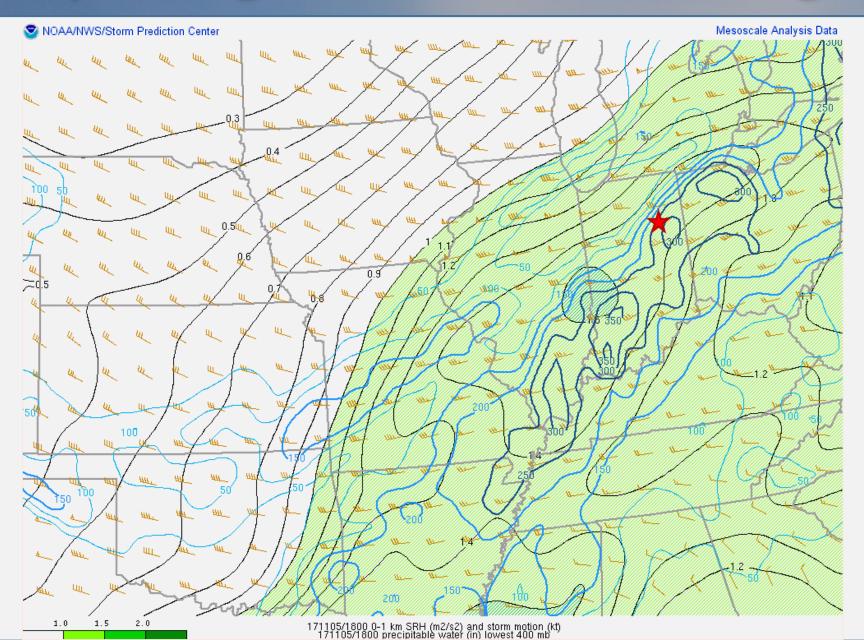




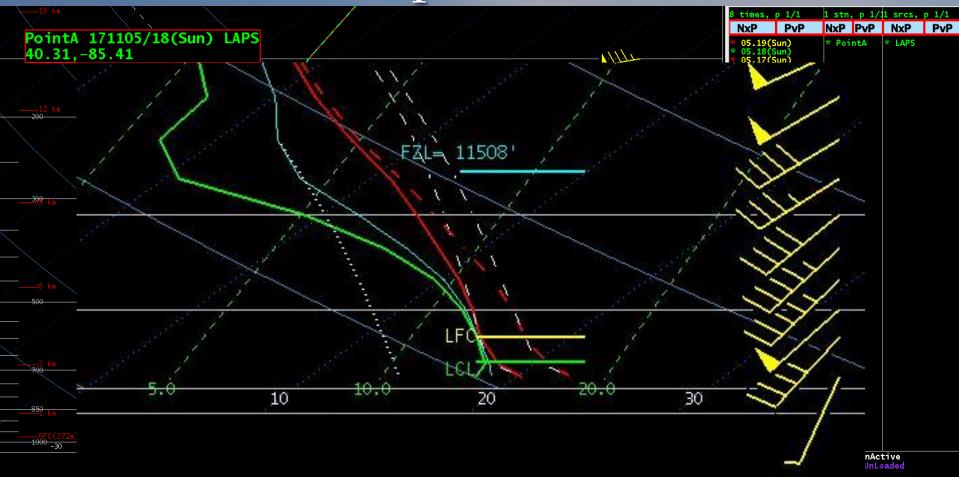








18Z Laps/Eaton, IN



3° 91 Knot	T							DIN/
S SI KIUL	Sum1	CAPE	CINH	LCL	LI	LFC	EL	118/22 140/19
	SB PARCEL	1010	-5	278m	-4	690m	35734 '	149/18 137/19 158/15
/ / 🕅	FCST PARCEL	1987	0	1044m	-6	1044m	38681'	169/13 187/13
	MU PARCEL	1069	-2	311m	-4	690m	35734'	157/15
	ML PARCEL	1022	-0	538m	-4	690m	35734 '	T-
$ \setminus $	USER PARCEL	817	-2	1239m	-3	1683m	35280'	
	EFF PARCEL	910	-2	822m	-4	1374m	35280'	5km AGL Wind Barb

KIWX Radar 1816 UTC 0.5° BR/BV



Shamrock Lakes

Matthews

Eaton

Radar Limitations: 62nm range, 6100ft beam height @ 0.5deg

Fowlerton

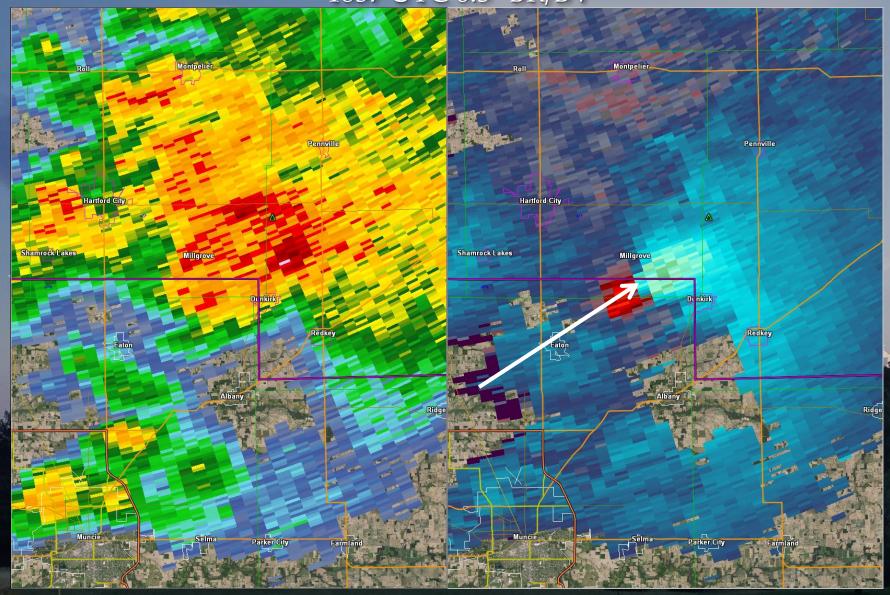
Matthews

Shamrock Lakes

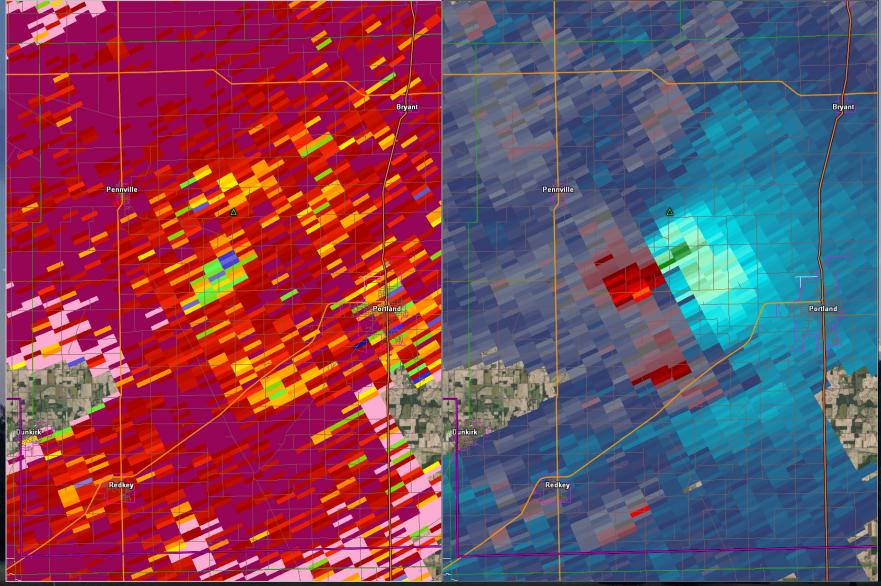
Eaton

Dun

KIWX Radar 1837 UTC 0.5° BR/BV



KIWX Radar 1852 UTC 0.5° CC/BV



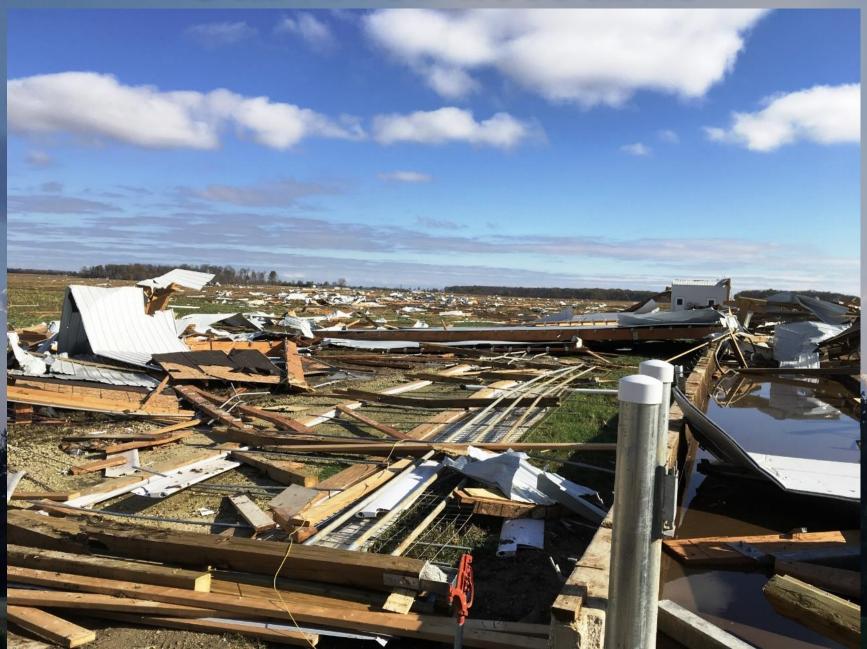
Jarod Hewett

NOT FOR BROADCAST

FOR LICENSING CONTACT brett@livestormsnow.com



Survivor accounts

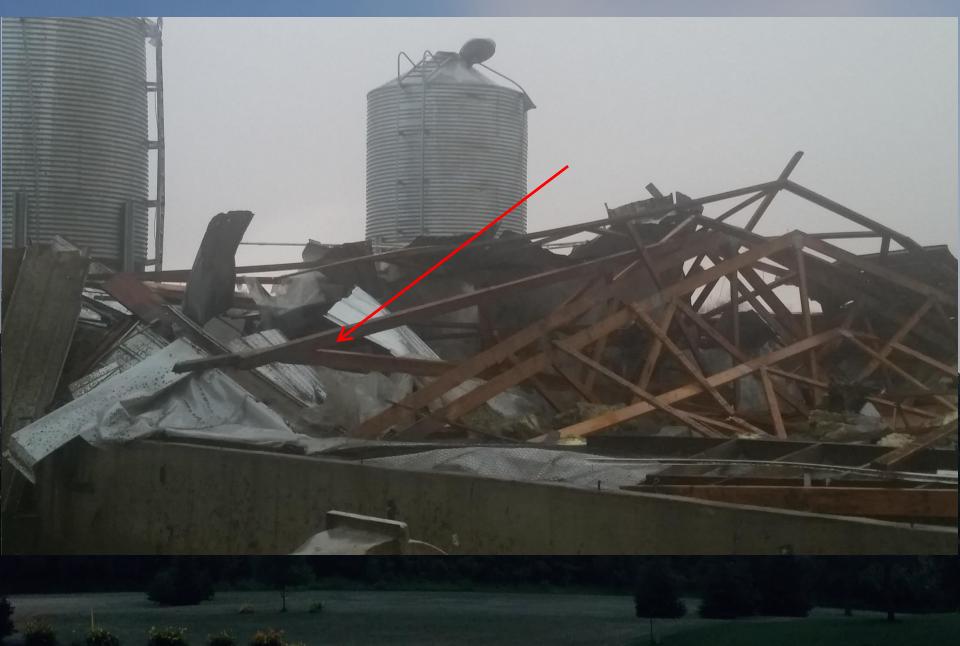


Survivor accounts

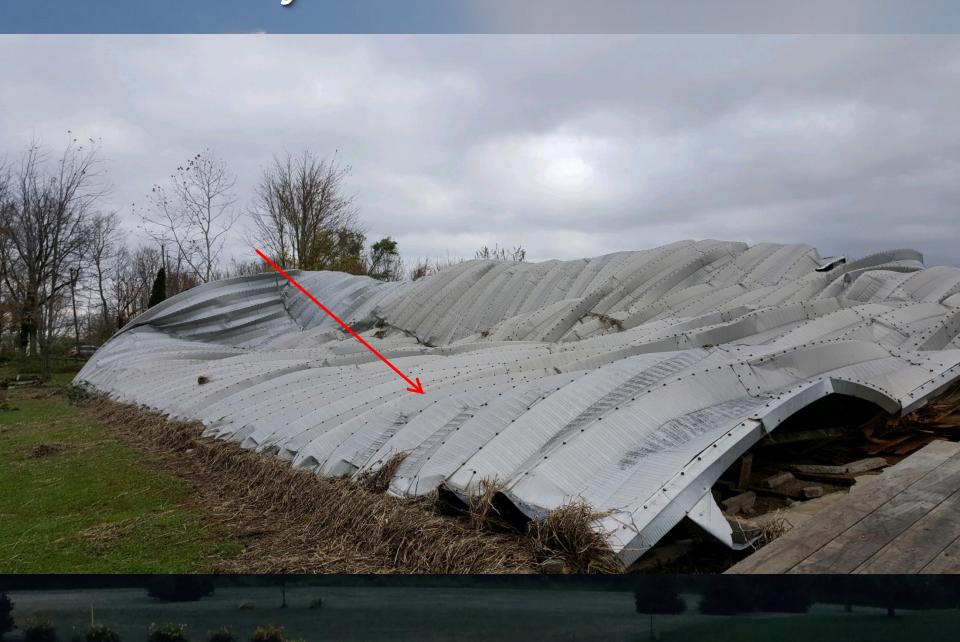
***NOT FOR BROAD**

FOR LICENSING CONTA brett@livestormsnor

Survivor accounts



Surveyor Head Scratcher ?





k <u>Jeffrey.Logsdon@noaa.gov</u> <u>Todd.Holsten@noaa.gov</u>

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