

WeatherBug Safety Solutions In Action

WHAT A 15-year-old boy is expected to recover after he was hit by lightning.

WHERE Larksville, PA

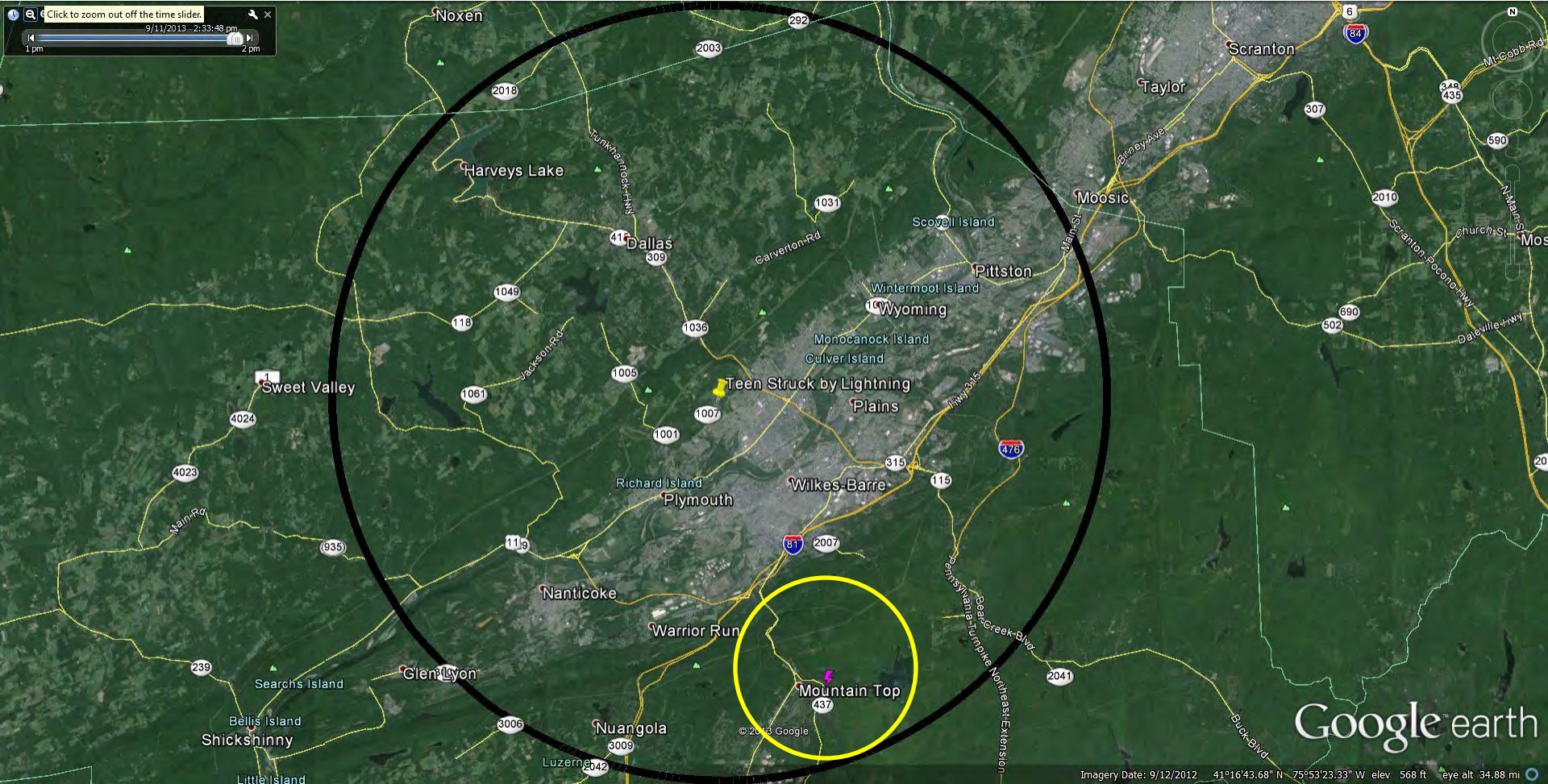
WHEN: Wednesday, September 11, 2013

OUR ADVANCED ALERT: 1 hour and 57 minutes.

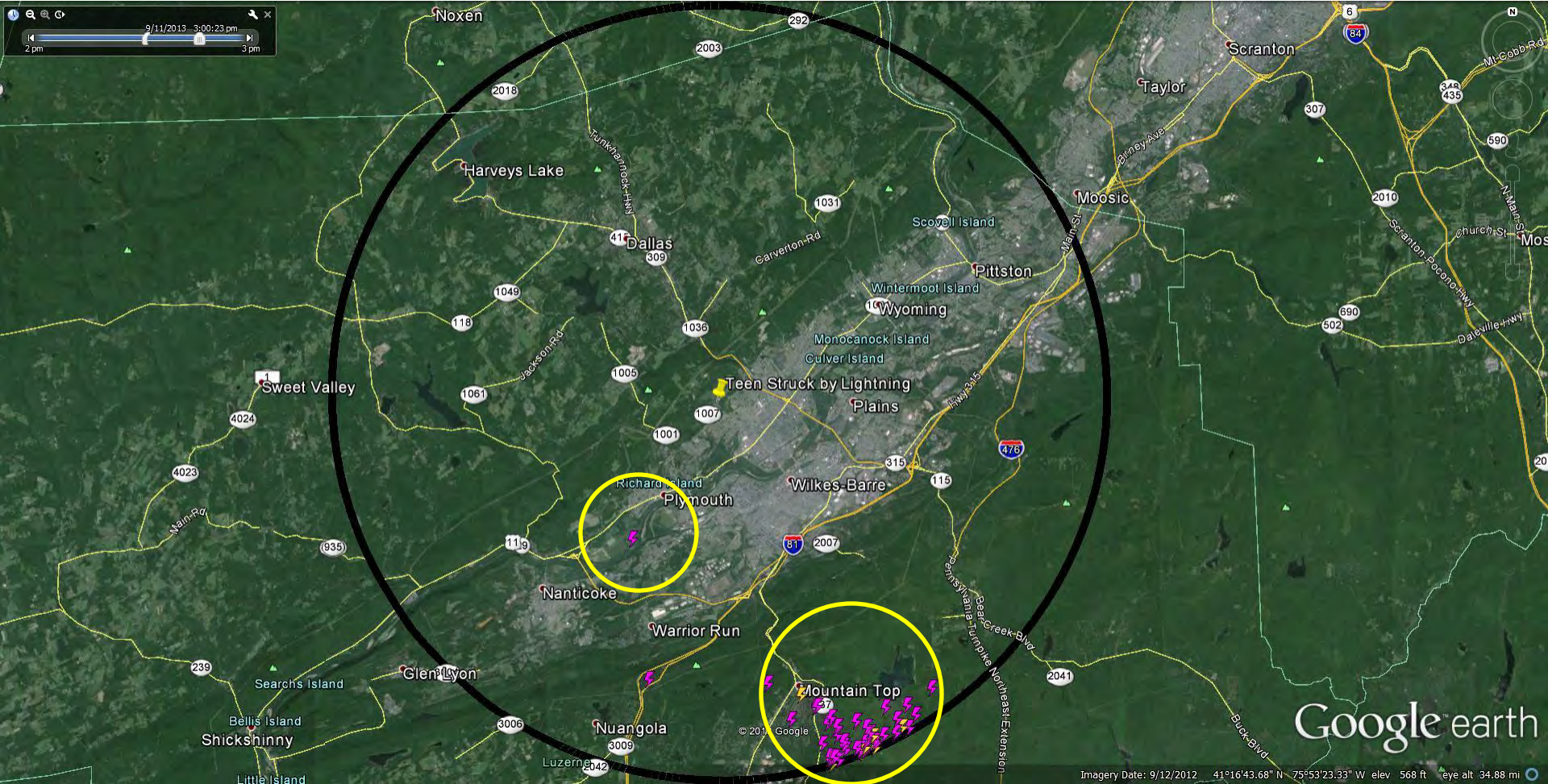


1 hour and 57 minutes prior to strike

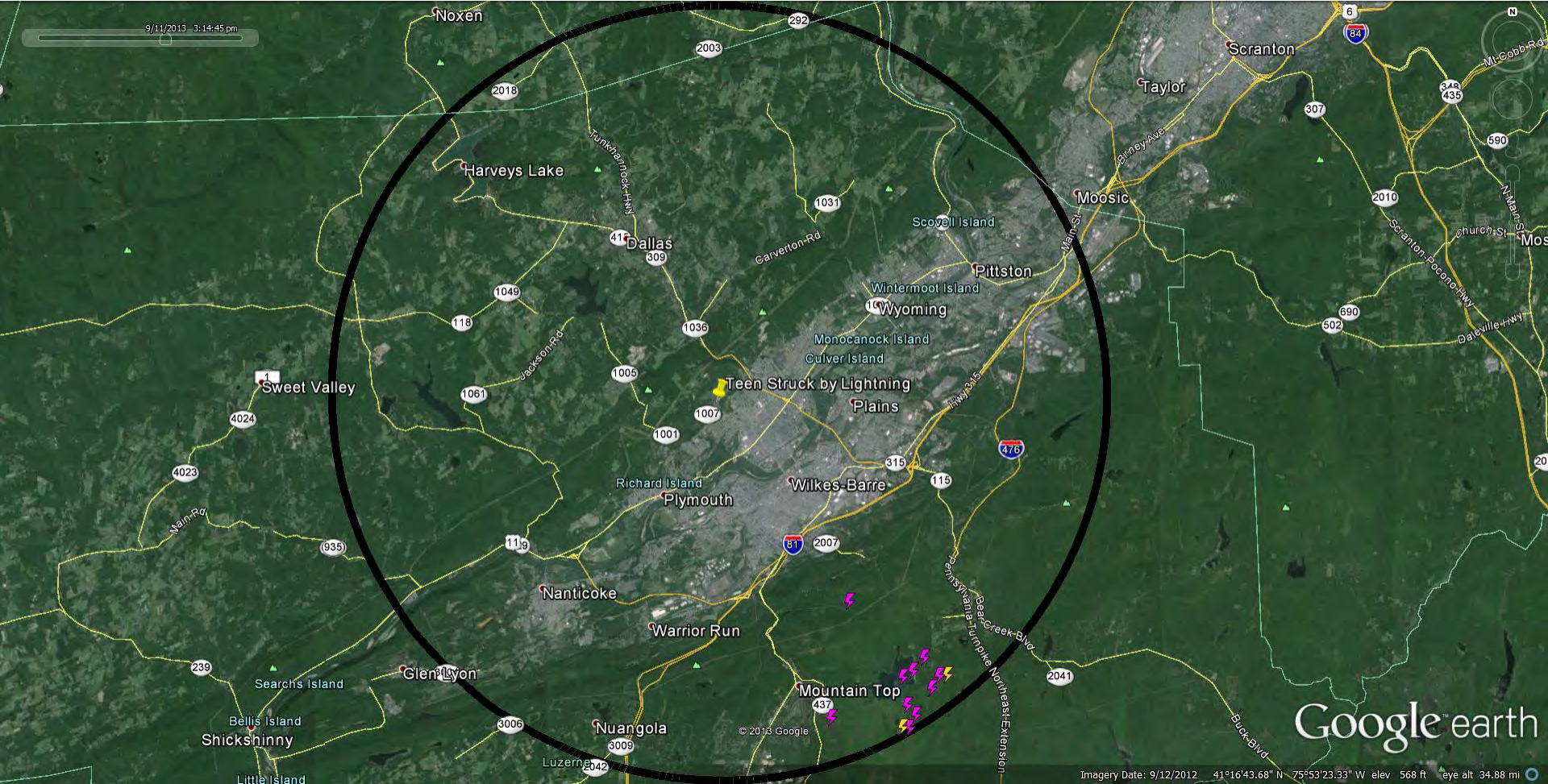
2:33 PM EDT– In-cloud (magenta) lightning is detected within a 10-mile radius.



Approximately 1 hour 30-45 minutes prior to strike
2:45 – 3:00 PM EDT – Additional in-cloud lightning is detected,
the first cloud-to-ground (yellow) strikes within 10 miles.

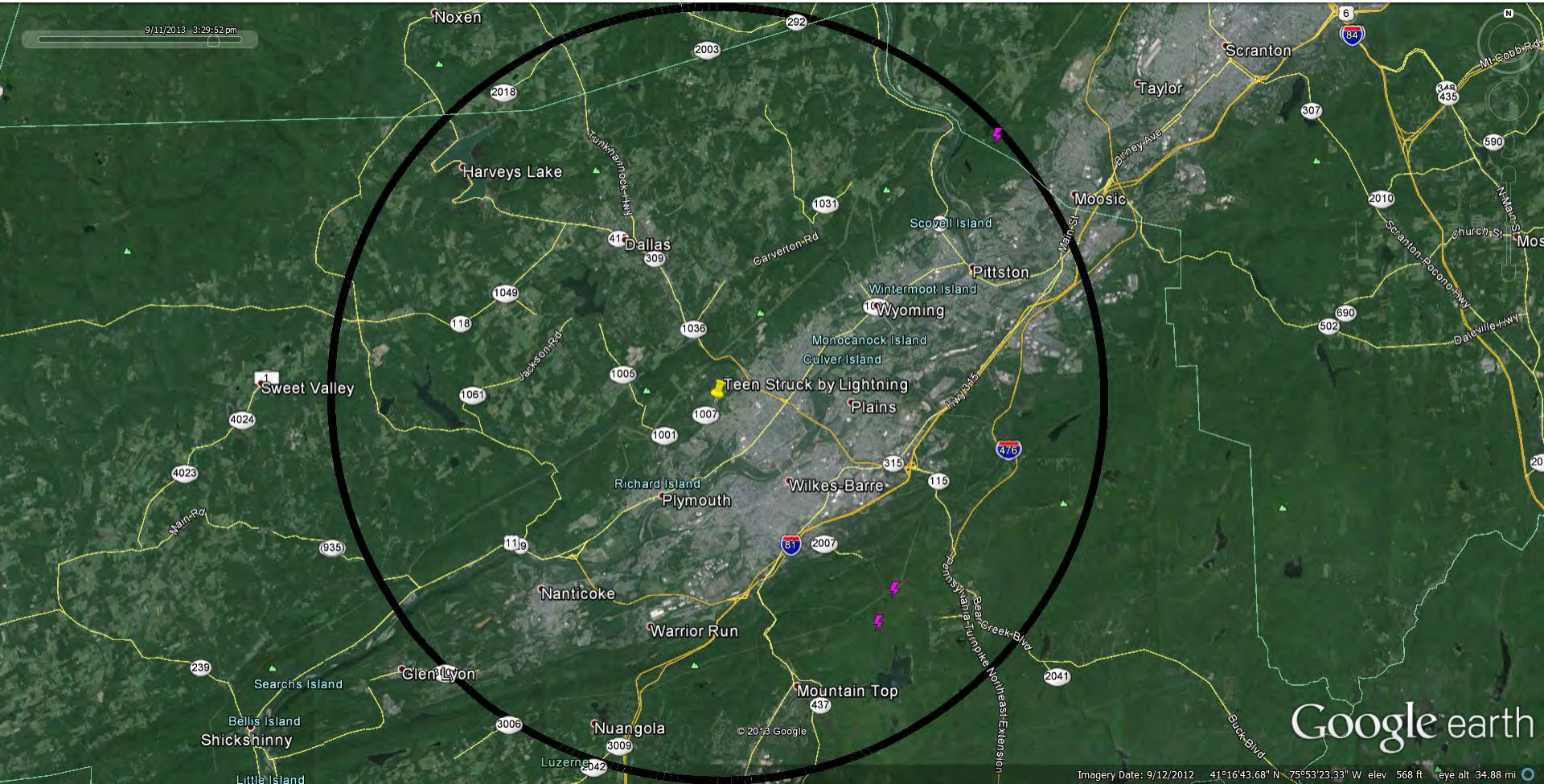


Approximately 1 hour 15-30 minutes prior to strike
3:00 – 3:15 PM EDT– In-cloud and cloud-to-ground lighting
continue southeast of strike victim.



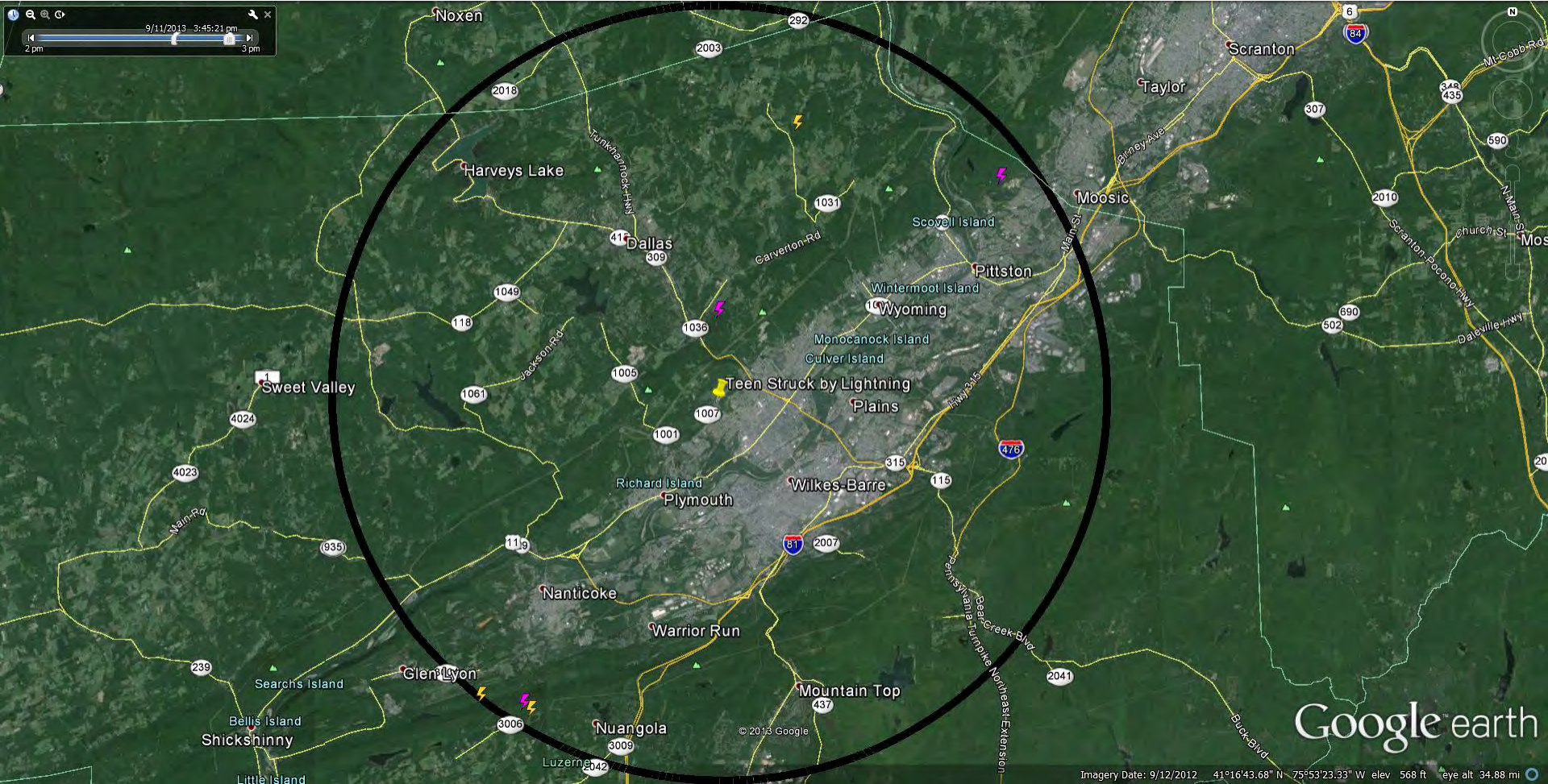
A little more than 1 hour prior to strike

3:15 – 3:30 PM EDT– A few in-cloud lightning strikes occur within 10-miles.



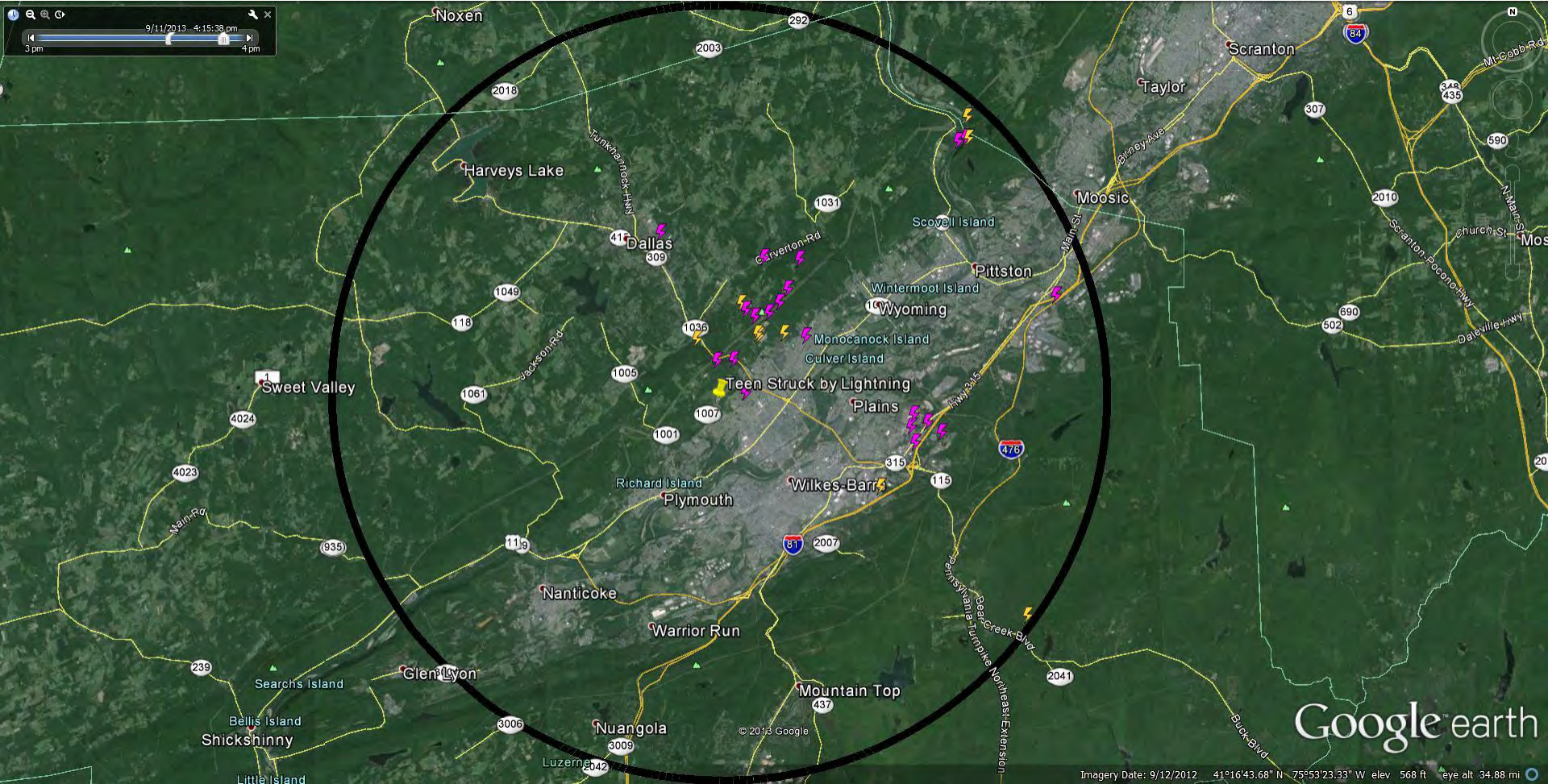
45 – 60 minutes prior to strike

3:30 – 3:45 PM EDT– In-cloud and cloud-to-ground lighting continue sporadically within 10 miles.



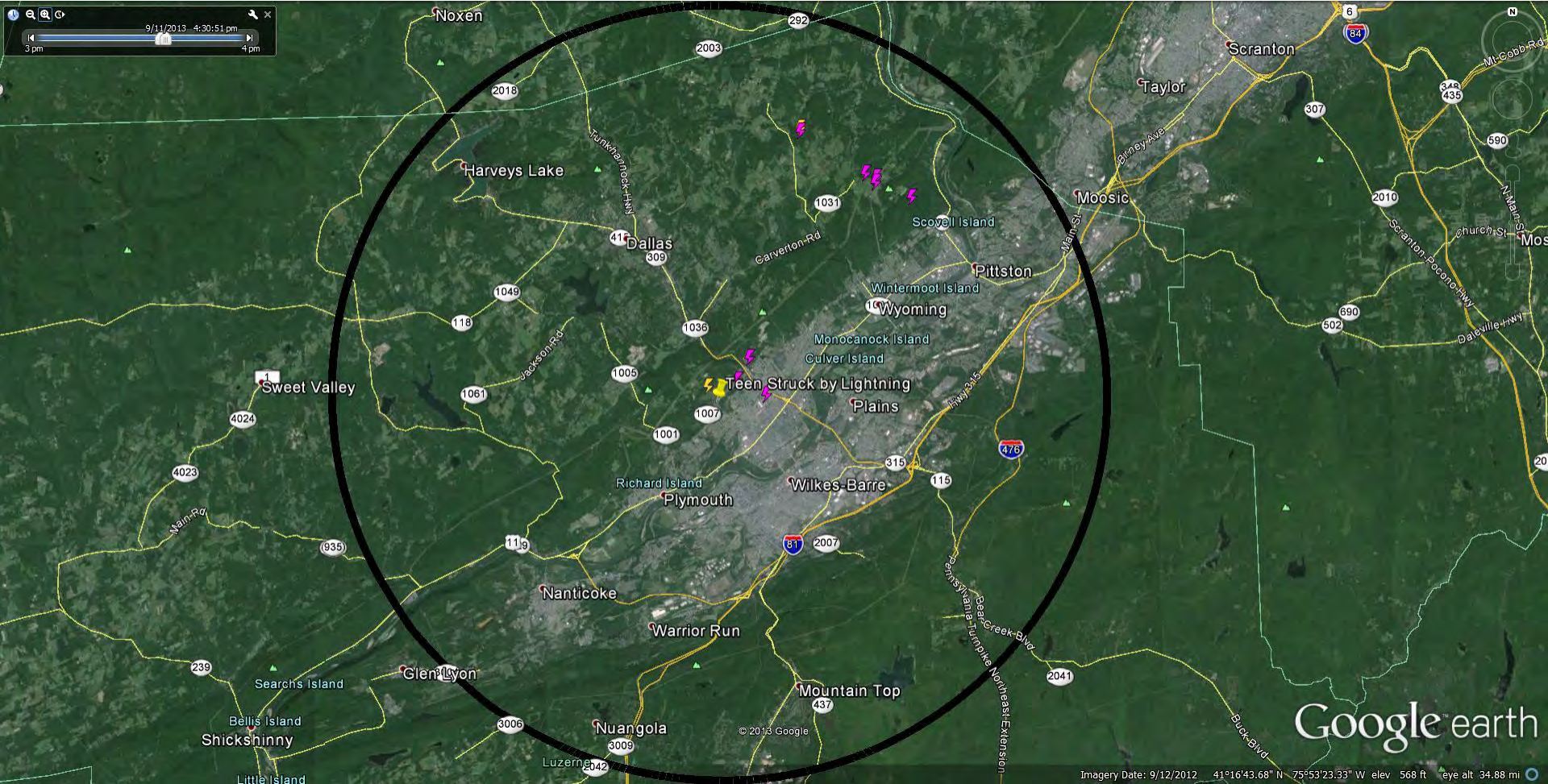
15 – 30 minutes prior to strike

4:00 – 4:15 PM EDT– In-cloud and cloud-to-ground lighting increase in frequency – now within two miles.



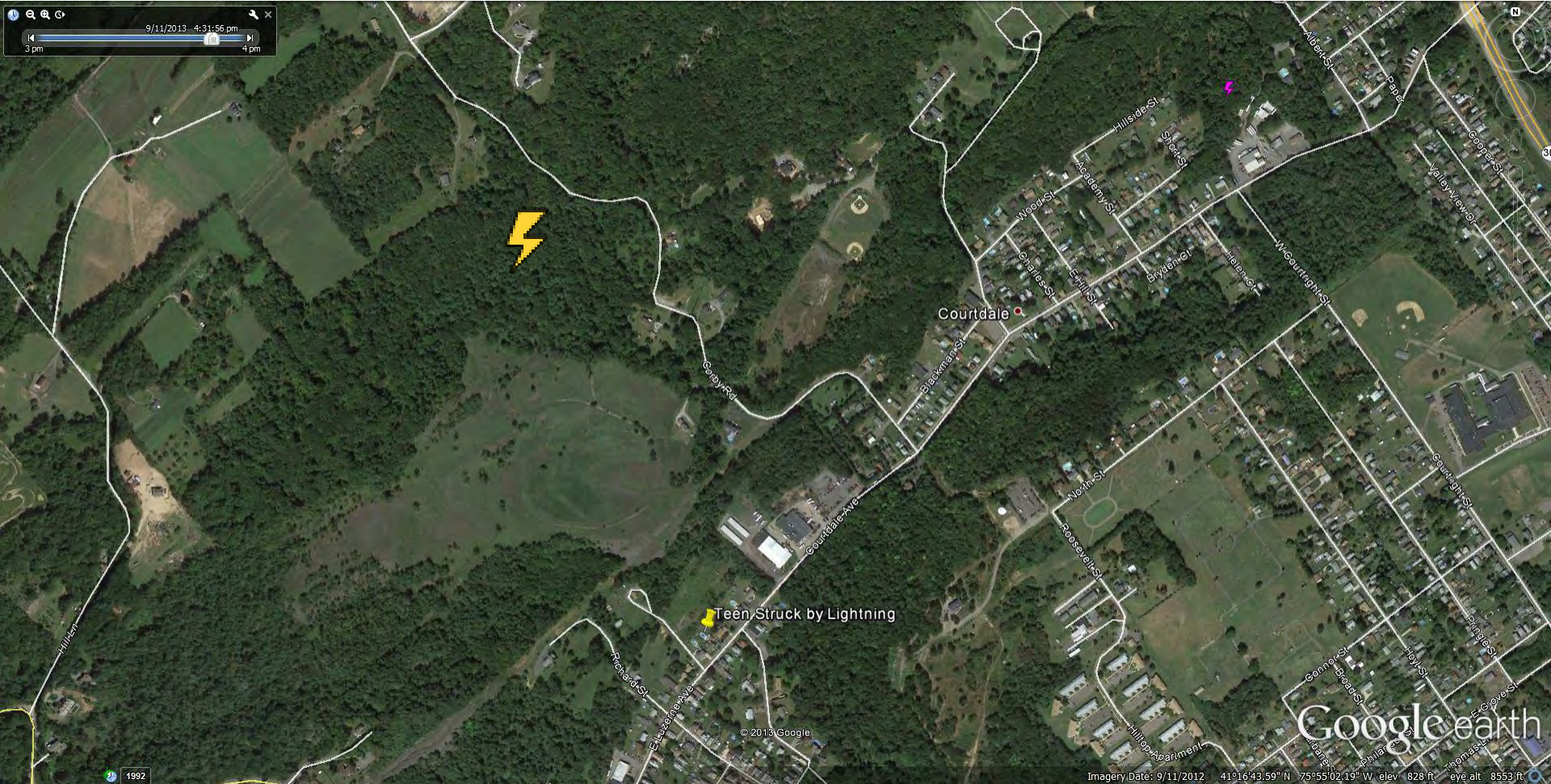
CLOUD-TO-GROUND LIGHTNING STRIKE INJURES TEEN

4:30:46 PM EDT— A cloud-to-ground proximity strike injures teen.

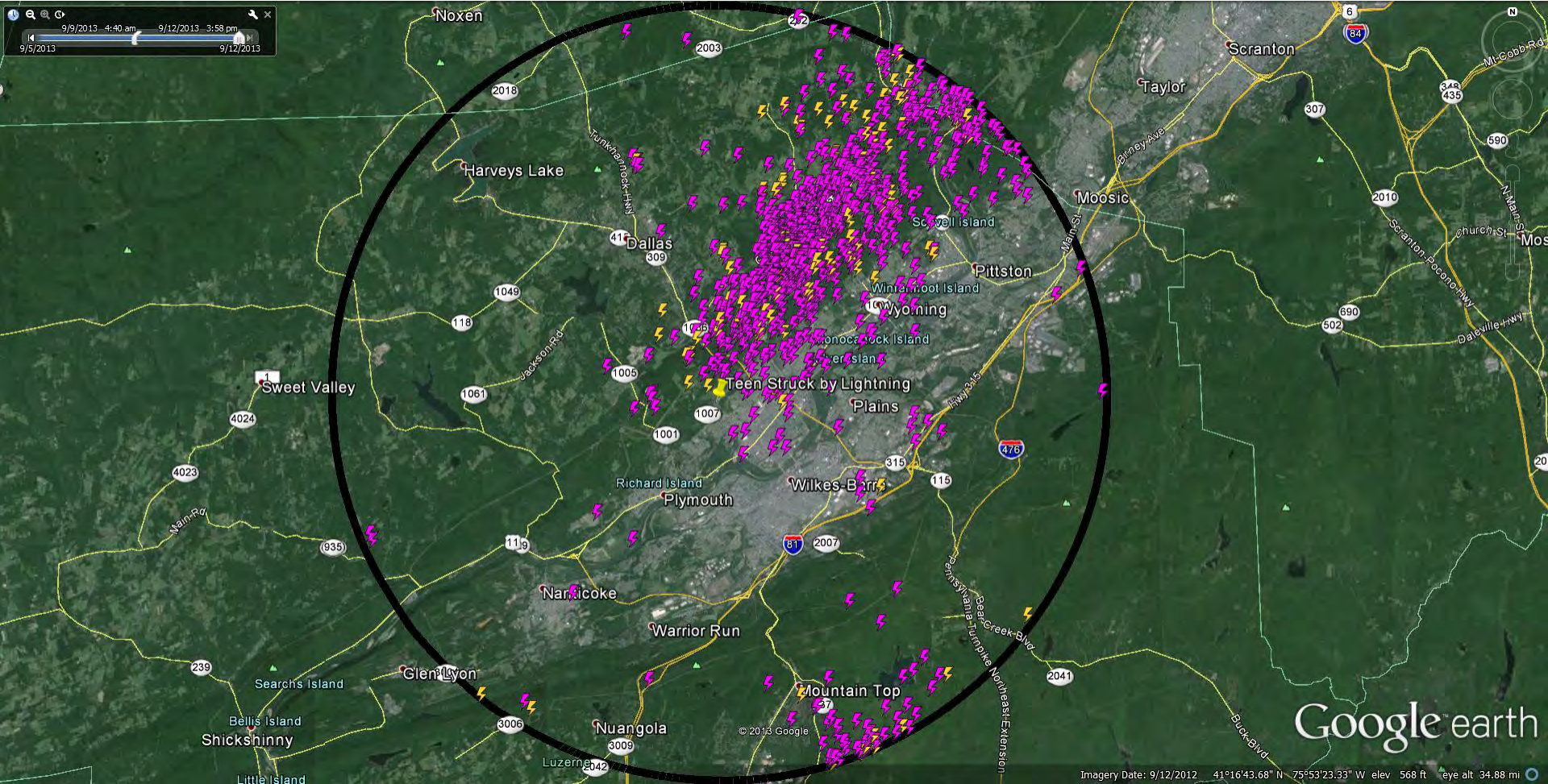


CLOUD-TO-GROUND LIGHTNING STRIKE INJURES TEEN

4:30:46 PM EDT– Close up view: a cloud-to-ground proximity strike injures teen – approximately 800 yards away.



Total Lightning for the event.



A Severe Thunderstorm Watch was in effect.



View News Report: <http://wnep.com/2013/09/11/teen-hit-by-lightning/>

View more case studies:

<http://earthnetworks.com/IndustrySolutions/CaseStudies>

This Event Demonstrates How Advanced Warning Can Help Save Lives



know before.SM

The vast majority of lightning stays in the sky and jumps from cloud-to-cloud. Meteorologists and climate scientists have long known that this in-cloud lightning is an early sign of impending severe weather – including dangerous and even deadly cloud-to-ground strikes that kill 50 people, on average, every year and injure far more.

Knowing that in-cloud lightning plays a key role in the formation and intensity of many kinds of extreme weather, we established [the world's largest and most advanced lightning sensor network](#). The sensors in our network continuously **monitor, calculate** and **report** where and when lightning strikes occur in the clouds or on the ground – what meteorologists call **total lightning**.

Our advanced technology based on state-of-the-art lightning sensors and networking technology now makes it possible for us to provide our customers with **peace of mind** when storms with lightning are in the area.

On mobile: WeatherBug's Spark is the only mobile tool delivering minute-by-minute, mile-by-mile lightning strike information for [Android devices](#), [iPhone](#) and [iPad](#).

On PCs: [StreamerRT](#) is the most comprehensive and user-friendly tool available to visualize live and forecast weather conditions at local, regional, national and international levels for critical decision-making.

Outdoors: [Outdoor mass notification system](#) for schools, parks, athletic facilities, stadiums and other outdoor venues where safety is a priority.