



# StrewnLAB Meteor Bulletin — Głogów, Polska

Version 1.0 | Released January 9, 2020 13:00 UTC

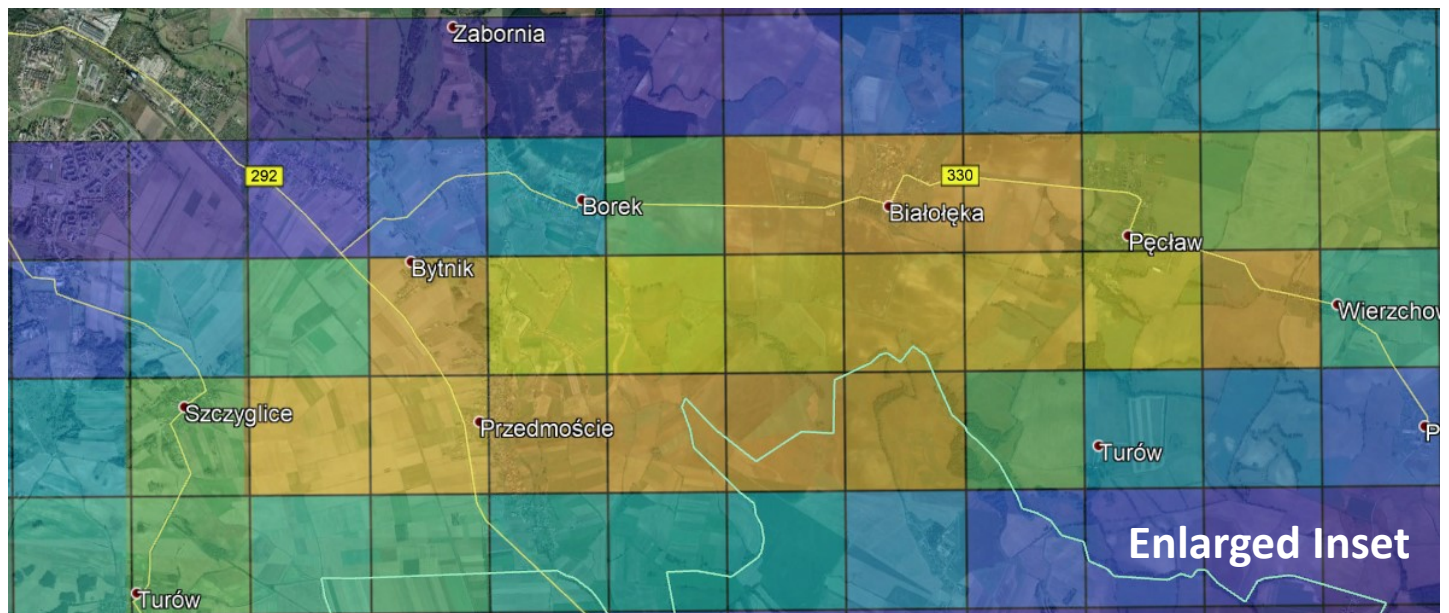
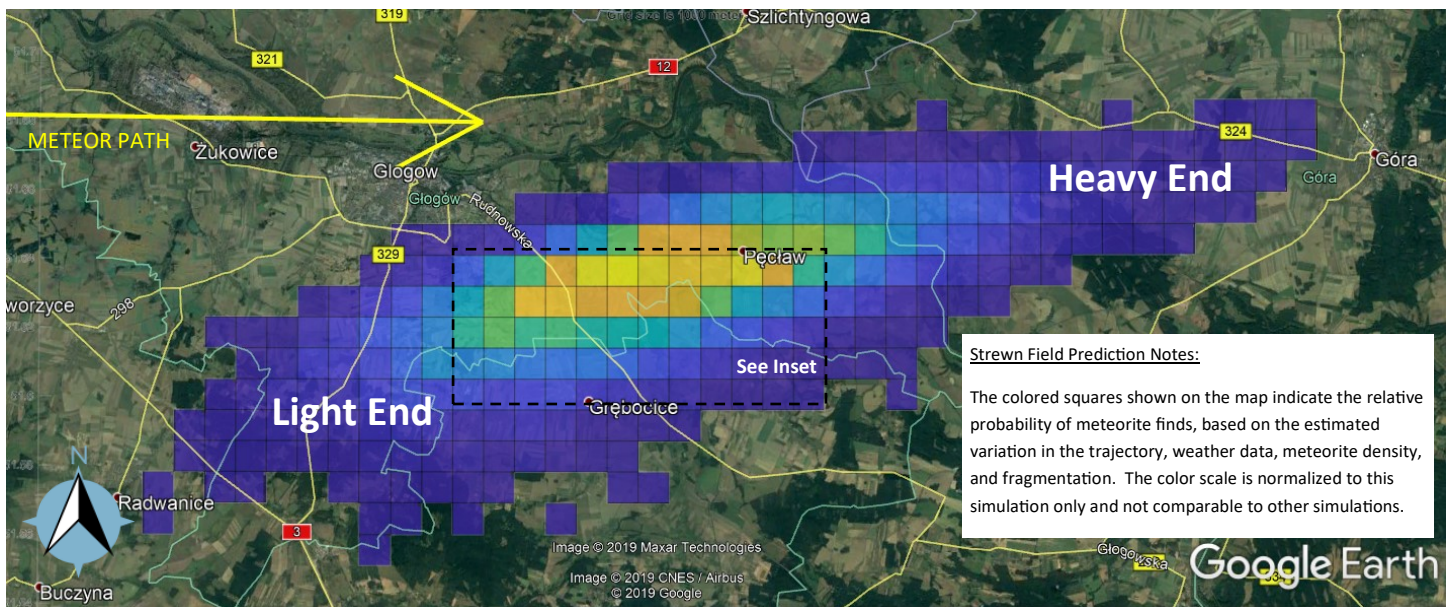
(Glogow, Poland)

## Trajectory Data:

Date/Time UTC	01/05/2020 03:04:18 UTC
Local Date/Time (+1.0)	01/05/2020 4:14 AM CET
Reference Latitude	51.6799°N ±0.009°
Reference Longitude	16.1262°E ±0.065°
Reference Altitude	20 ± 2 km*
Estimated Energy/Mass	0.004 kt / 100 kg*
Bearing (Heading)	89.43° ± 1° E
Incidence Angle	55° ± 5° from vertical
Entry Speed	19 ± km/s

## Strewn Field Prediction Data:

Simulation Date/Time	01/09/2020 12:04 UTC
Simulation Engineer	Jim Goodall
Trajectory Data Source(s)	Tomaszow-Mazowiecki Video Szczecin Video Poznan Videos (2) <a href="#">AMS Event 111-2020</a>
Weather Data Source	IGRA Weather Balloon Data
Simulation Type	Monte Carlo, Unknown Meteoroid
Simulation Data Count	222 scenarios / 35922 fragments



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\* Value is estimated, due to lack of data, or insufficient time to analyze data.

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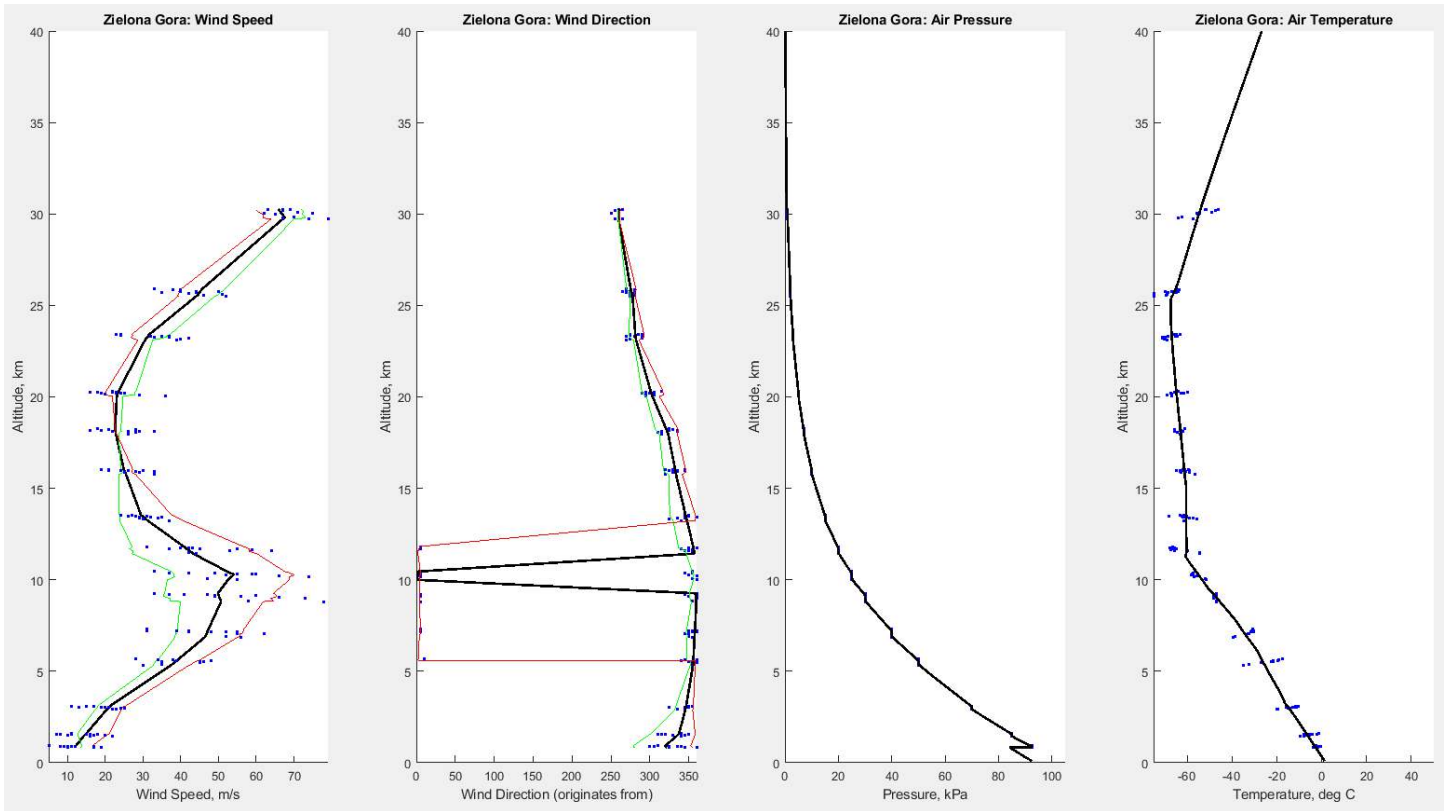


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## Weather Data Summary

Windspeed variation included: 1.5σ



## Version Log:

Date	Version	Change Notes	Author(s)
01/09/2020	1	Many cameras captured this event, special thanks to Mateusz Żmija for his support in locating cameras. I have had time to process 4 videos so far. More accuracy could be gained with further analysis.	Jim Goodall

## References:

Żmija, Mateusz (2020, January 7). Facebook Messenger conversation.

AMS Event 111-2020. American Meteor Society. C2013-2019. [https://fireball.amsmeteors.org/members/imo\\_view/event/2020/111](https://fireball.amsmeteors.org/members/imo_view/event/2020/111).

IGRA Radiosonde Database. c2019. National Centers for Environment Information, National Oceanic and Atmospheric Administration. <https://www.ncdc.noaa.gov/data-access/weather-balloon/integrated-global-radiosonde-archive>.

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