StrewnLAB Meteor Bulletin — Adrar Province, Algeria

ولاية أدرار ، الجزائر

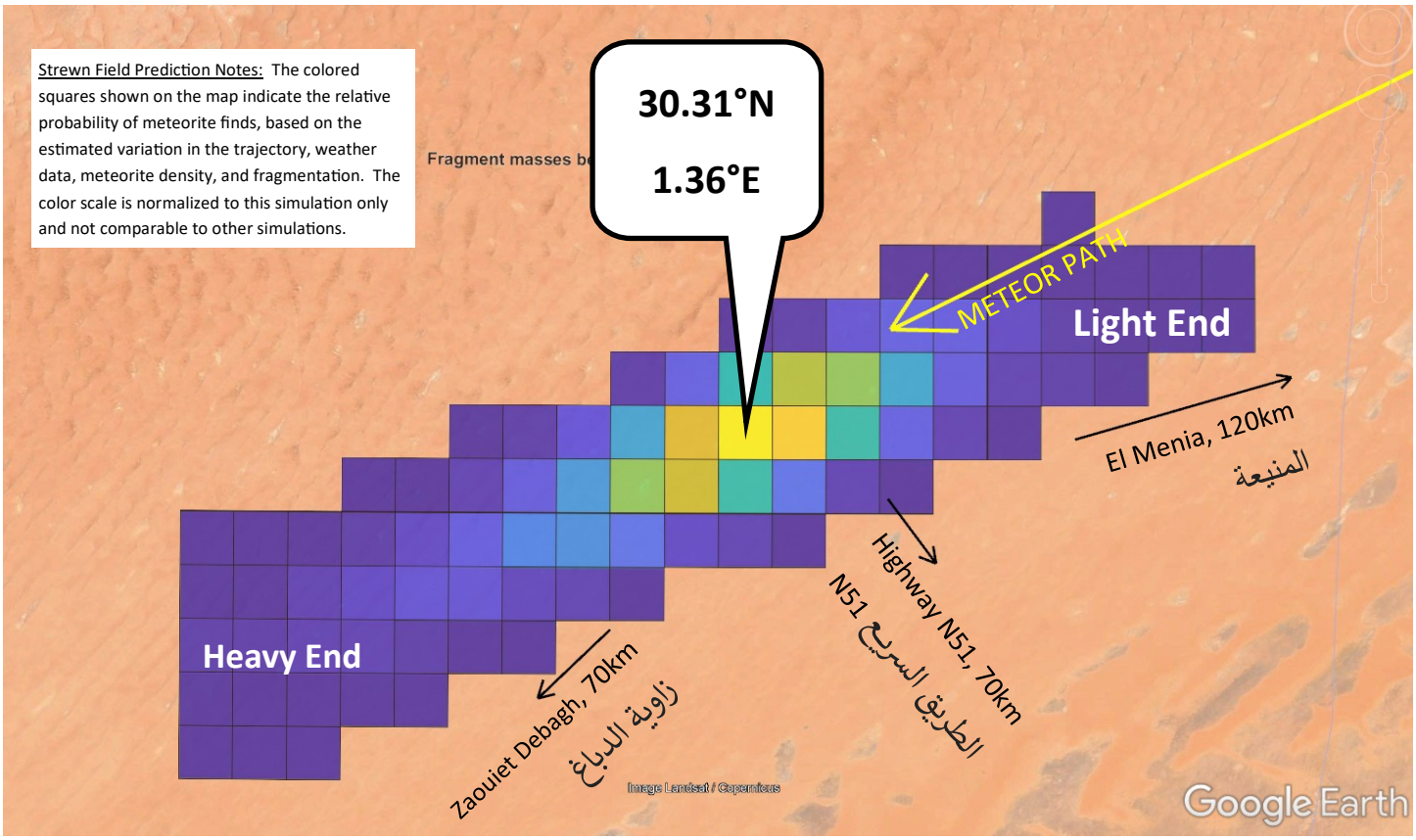
Version 2.0 | Released January 30, 2020 5:00 UTC

Trajectory Data:

Date/Time UTC	01/27/2020 05:39:15 UTC
Local Date/Time (+1.0)	01/27/2020 6:39:15 AM CET
Reference Latitude	30.4°N ±0.05°
Reference Longitude	1.5°E ±0.05°
Reference Altitude	32.5 ± 1 km
Estimated Energy/Mass	0.15 kt / 2885 kg
Bearing (Heading)	244.44° ± 2° WSW
Incidence Angle	67.853° ± 10° from vertical
Entry Speed	20.86 ± 1.0 km/s

Strewn Field Prediction Data:

Simulation Date/Time	01/30/2020 05:43 UTC
Simulation Engineer	Jim Goodall
Trajectory Data Source(s)	CNEOS
Weather Data Source	Estimated Wind Data
Simulation Type	Monte Carlo, unknown material
Simulation Data Count	161 scenarios / 41784 fragments



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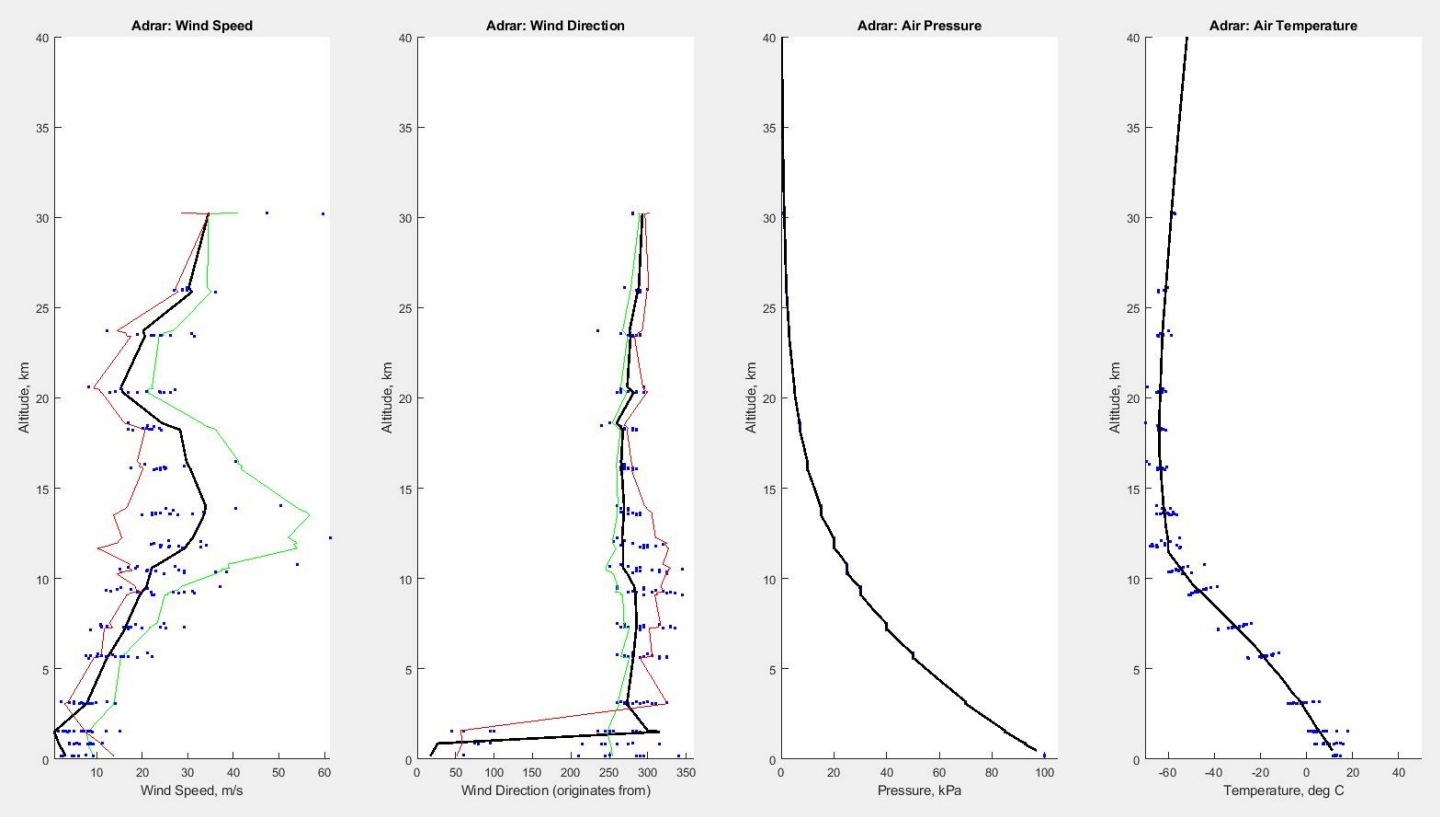
Weather Data Summary

Windspeed variation included: -1.5σ to 1.5σ



Version Log:

Date	Version	Change Notes	Author(s)
01/28/2020	1.0	A report was generated quickly, with available data, to provide an early estimate of the fall zone. Accurate wind data will not be available until 01/29.	Jim Goodall
01/30/2020	2.0	Accurate wind data used.	Jim Goodall

References:

CNEOS: Center for Near Earth Object Studies. c2019. St Paul (MN): Jet Propulsion Laboratory, California Institute of Technology; [accessed 2020 Jan 29]. https://cneos.jpl.nasa.gov/fireballs/.

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