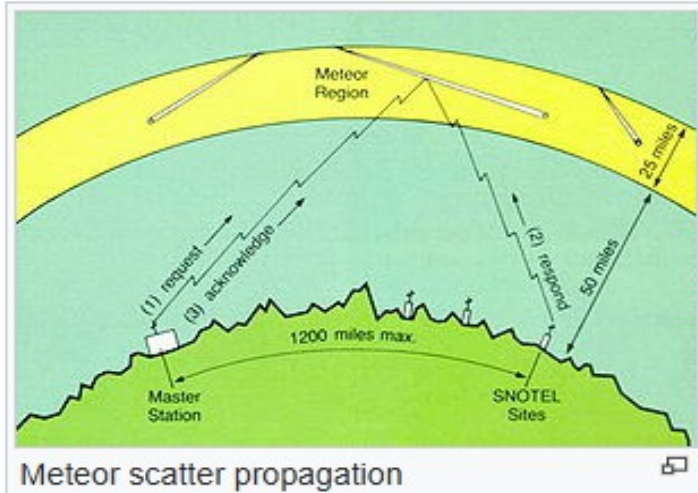


A citizen science project

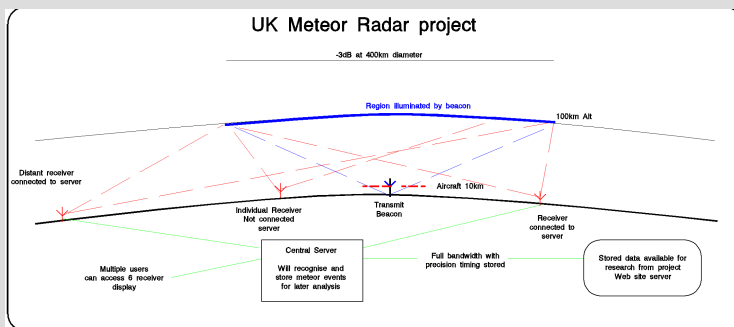


As meteors enter the Earth's Atmosphere they burn up, briefly leaving a bright trail, a "shooting Star".

The hottest part of this trail is ionised and reflects radio signals.



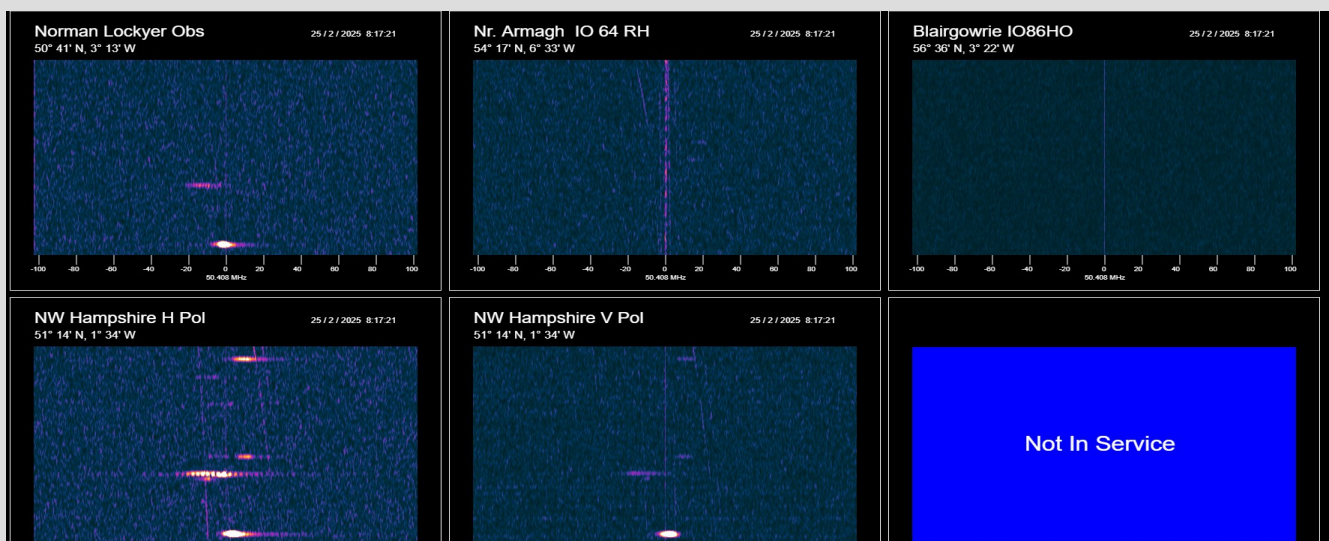
A transmitter located at the Sherwood Observatory near Mansfield illuminates this region above the UK and a network of receivers monitor and record the echoes.



Data from up to six receivers are streamed to the project server where it is recorded for later analysis.

A live display can be viewed at:-

<https://ukmeteorbeacon.org/beaconclient/>



Bright horizontal lines are head echoes from meteors as they burn up and decelerate. Broad vertical lines are tail echoes from ionisation remaining after the meteor has passed. The faint near vertical lines are echoes from aircraft.