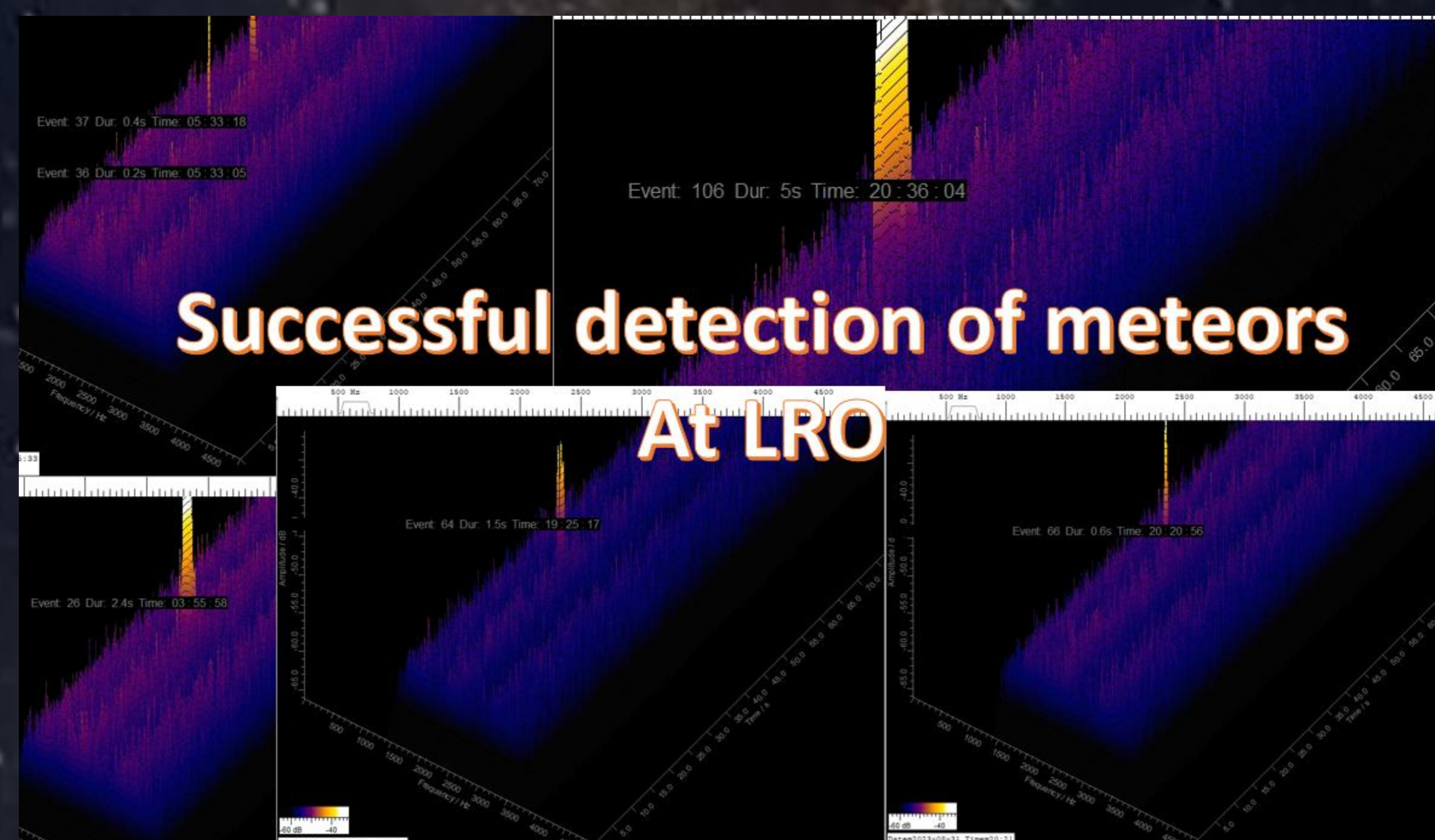
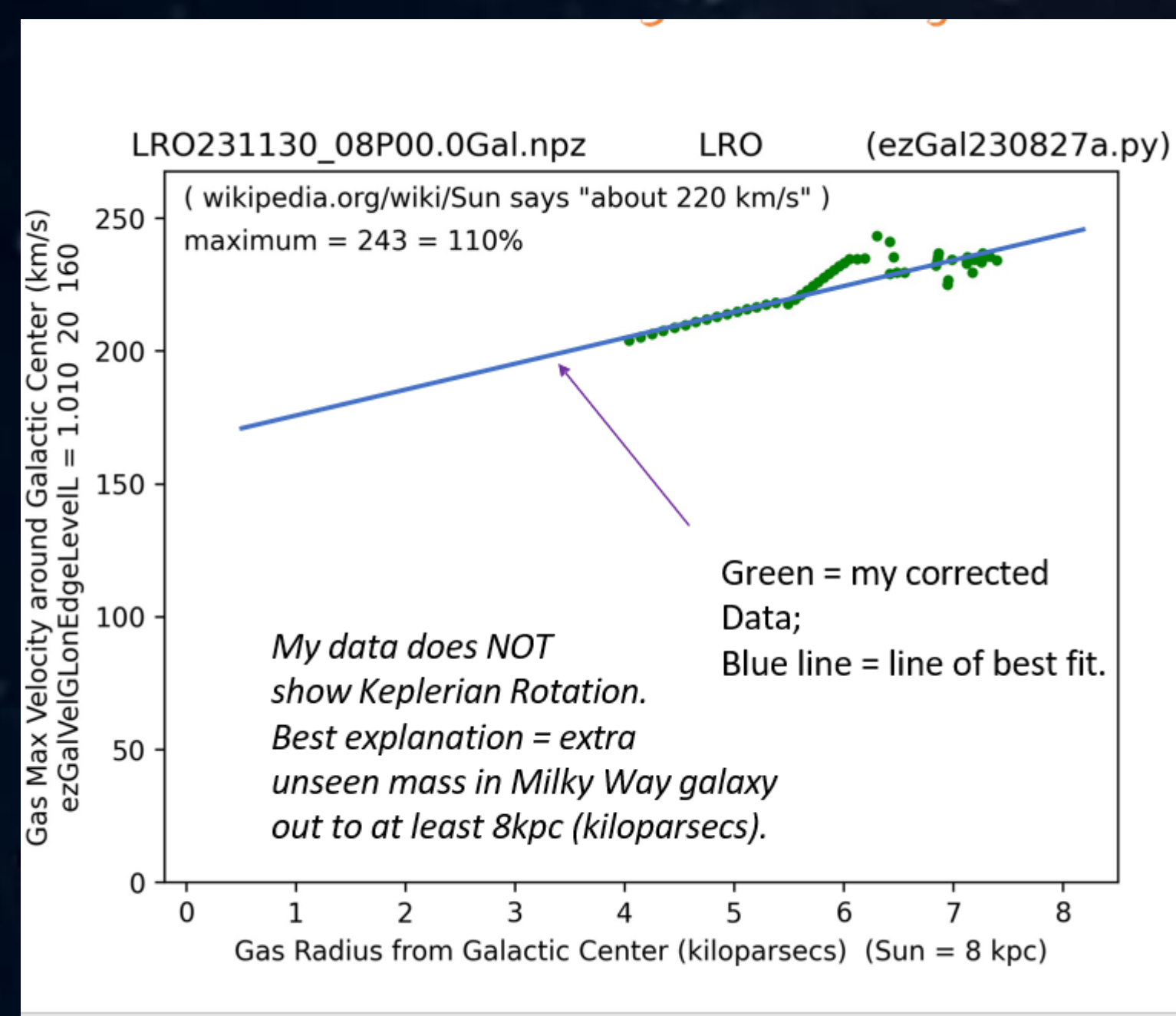




# Building a Local Amateur Radio Observatory in the middle of England, United Kingdom Lichfield Radio Observatory (LRO)

## Dark Matter Observation



Choosing Projects –  
they must be already  
acknowledged as:  
Well-designed  
Cost-effective  
Stable  
Interest to general  
public so useable in  
outreach and  
education  
Scientifically  
informative

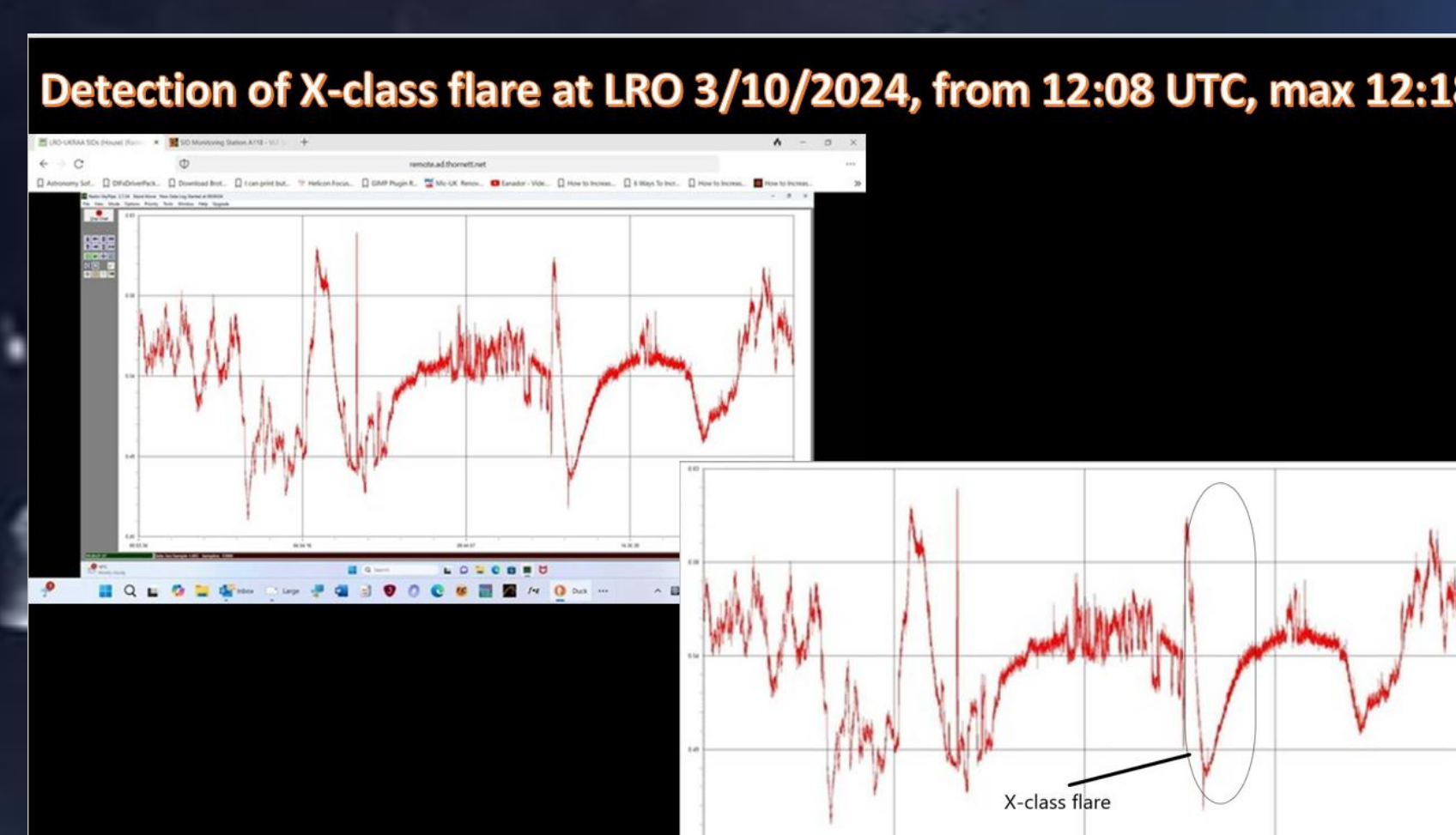
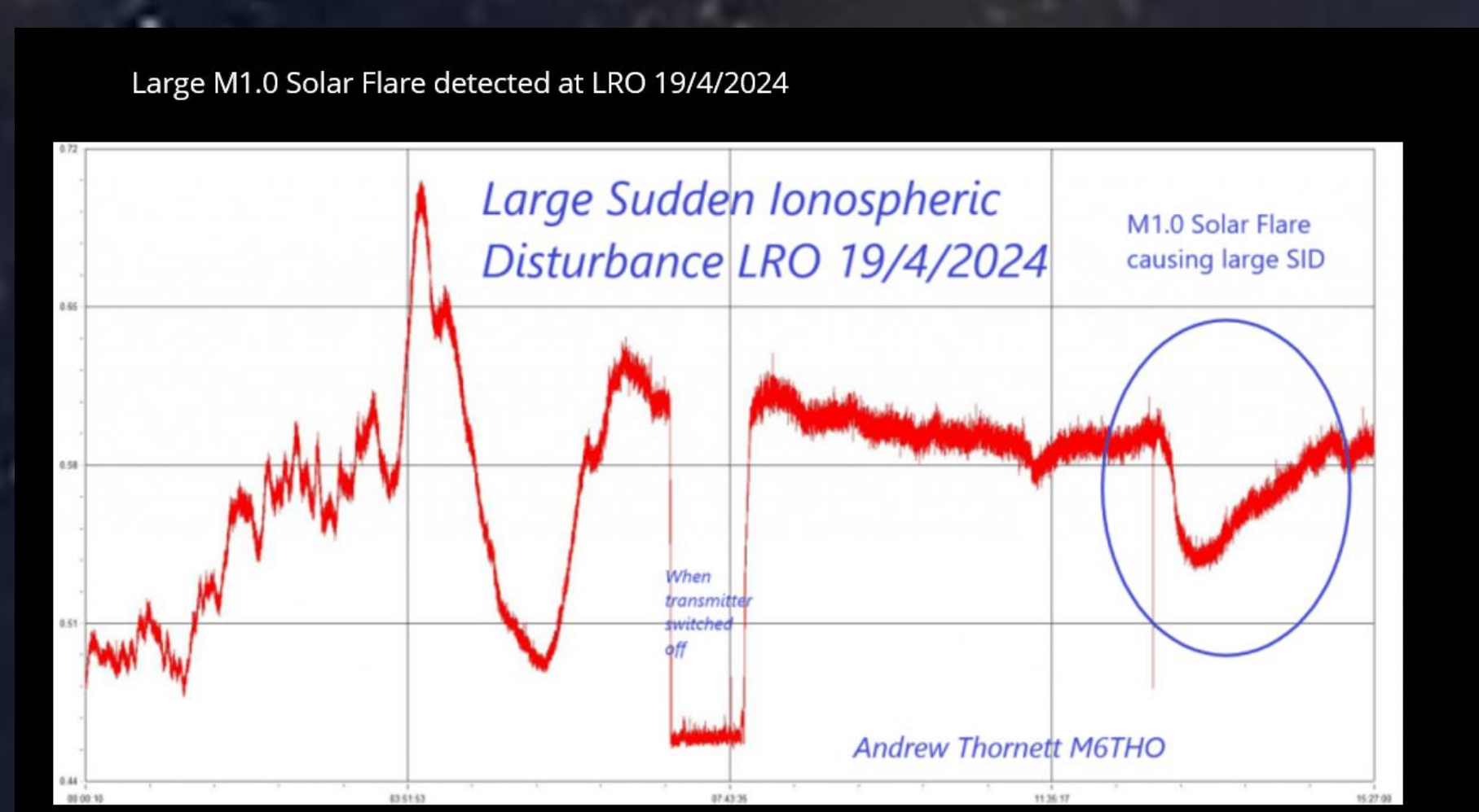
Main active LRO Telescopes:  
LRO-H1/H2/H3 – Hydrogen-  
line 1420MHz.

LRO-U1/U2 – Muon  
detectors.

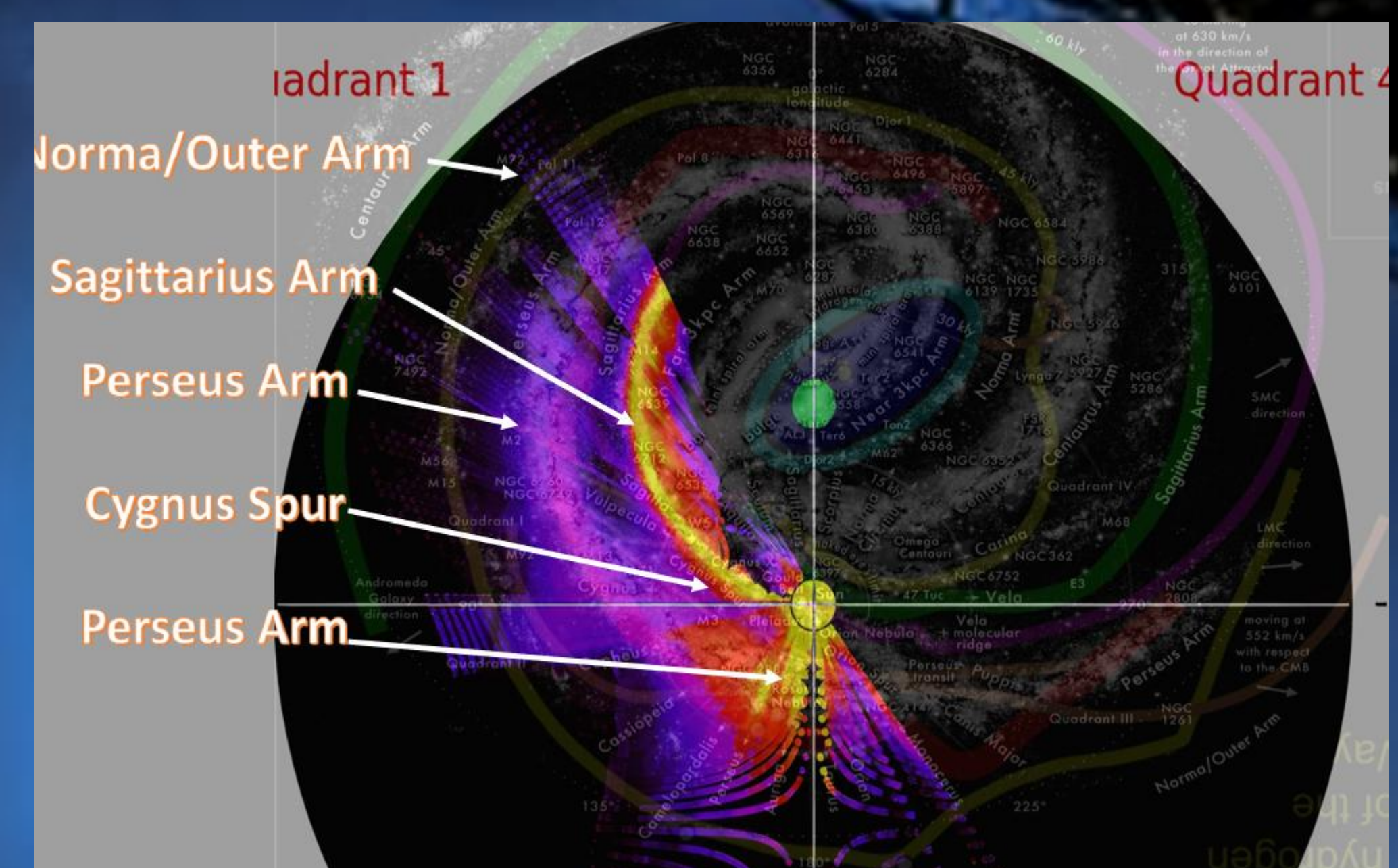
LRO-M1/M2 – Meteor radio  
scatter @ 148.048MHz.

LRO-S1 –Sudden Ionospheric  
Disturbance (SID) detectors.  
Other Observing,  
astrophotography and  
astrophotography setups.

## Sudden Ionospheric Disturbances (SIDs)



## Mapping Milky Way



## Lichfield Radio Observatory (LRO)

Dr Andrew Thornett M6THO  
<https://astronomy.me.uk>

Latitude  
52.6816° N,  
Longitude  
1.8317° W

