CS1 and the Perseids Casey Law

- Perseid meteor shower in mid-August
- 4min correlated data
- Observation within 1 day of shower peak

What do we observe? RFI!



Reflection of distant TV station from meteor trail (also possible to observe meteor itself)



Figure 5 - A typical underdense meteor.

Longest event (4s):

- ampl and phase

- closure phase





Oscillating event?



Science with Meteor Showers



Perseid (2004) detection rate by amateur automated system

- Count rates of showers -- CS1 saw ~20 events => 300/hr
- Finding new showers
- Search for interstellar meteors

Conclusion: RFI can produce science!