

## Introduction

Ionized trails from meteors can reflect radio signals at frequencies in the LOFAR bands. This appears in CS1 data as short (100 ms) bursts of signal from a distant transmitter.

One application of this effect is in communications. For example, “Radio Burst Communications” is a way of transmitting information to/from areas that are not served by satellites.

[Wikipedia article](#)

[List of TV frequencies](#)

[New article about military efforts](#)

[Page of company selling communications services](#)

## LOFAR

LOFAR may benefit from thinking of these transient signals as more than RFI. Early investigations are described in a presentation at an August [CS1 meeting](#).

Some work [ongoing](#) on using reflected RFI to study transient phenomena, such as GRBs.

From:

<https://www.astron.nl/lofarwiki/> - **LOFAR Wiki**

Permanent link:

[https://www.astron.nl/lofarwiki/doku.php?id=public:dataprodukt:radio\\_meteors](https://www.astron.nl/lofarwiki/doku.php?id=public:dataprodukt:radio_meteors)

Last update: **2017-03-08 15:27**

