

The meteor dedicated Camera for BETter Resolution NETwork (CABERNET)

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Abstract

We present the meteor dedicated camera for better resolution network (CABERNET). It consists of three cameras deployed at three stations in southern France. The camera has already been described in [1] and consists of a CCD equipped with an electronic shutter. The network was deployed during the Summer 2012. We will present here the first results, as well as the pipeline.

1. Introduction

The camera for better resolution network (CABERNET) aims at measuring the orbits of meteoroid with a high resolution (both in time and space), given the capacities of the electronic detectors.

2. Installation

During the summer 2012, the camera will be installed in southern France. The first station will be at the Pic-du-midi observatory. The camera itself can be seen in Fig 1, and its housing in Fig 2.

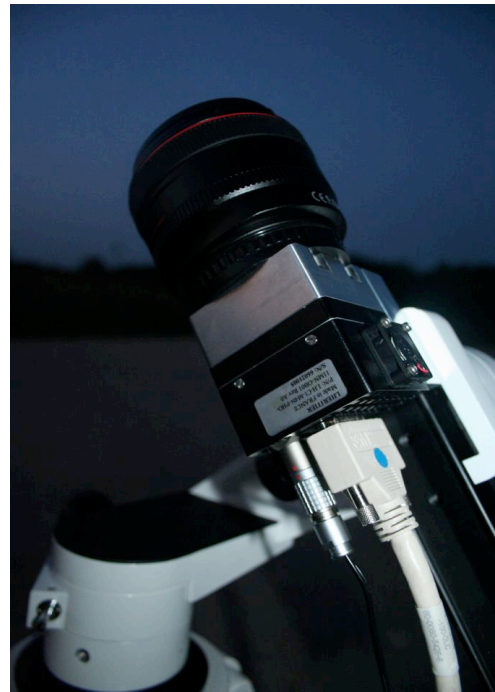


Figure 1: The CABERNET camera, without its housing.

3. Pipeline

The data reduction pipeline was developed at IMCCE. It allows for its organization and the treatment of the images in an automated way. No previous mutual reduction software was suited for our very specific application. In particular, usual automated meteor detection softwares (such as MetRec or UFOCapture) could not be used.

4. First results

We will show the first observation results at the conference session.

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References

[1] Atreya, P.; Vaubaillon, J.; Colas, F.; Bouley, S.; Gaillard, B., MNRAS, 2012

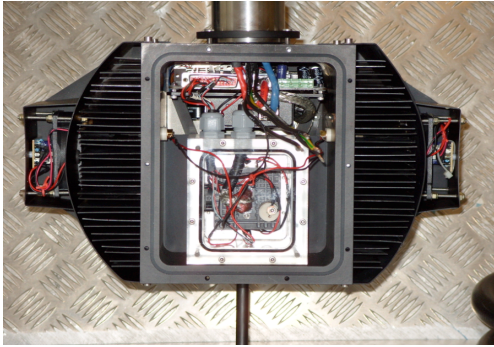


Figure 2: Camera housing, opened for the circumstance