

CAS UKMON Report to CAS Committee Meeting 21/04/2016

This report covers activities between the 10th March 2016 and 16th April 2016 for the CAS Meteor Observation Camera 2 located as part of the Society Observatory at NT Dyffryn Gardens.

The main item to report is that data recorded from the 1st January 2016 to the 31st March 2016 has been post processed and uploaded on to the UKMON server. This is the first data from the Observatory camera to have been uploaded to the UKMON server since the 21st April 2015.

Some examples:



4/01/2016 221429



8/01/2016 035634



12/01/2016 0035634



13/01/2016 024326

A new USB Capture Device of supposedly the same manufacturer and type as the device currently in use was acquired and fitted however whilst externally it looks identical to the original it evidently was not and failed to capture images without demonstrating a loss of synchronisation. Data recorded with this newer device has been processed okay but only by virtue of the position of the meteor events in the images and addition effort to process. The original USB Capture Device is back in use but only until an alternative USB Capture Device (Dazzle DVC100) is installed and tried.

The PC has crashed on at least two occasions in the period of this report, it may be necessary to consider instating a different PC either refurbished or new since given the remote location / frequency of

attendance at the Observatory the system needs to be reliable otherwise there will be gaps in the data record.

The cause of the crashes has yet to be established, at the moment I'm monitoring performance and the system has remained operational for the past 10 days. It could be that in spite of an UPS with ten-minute duration being implemented there could have been supply cuts of a longer period.

Edward Cooper
CAS UKMON Co-ordinator
16 April 2016