

## CAS UKMON Report to CAS Committee Meeting 28/03/2017

This report covers activities between the 24<sup>th</sup> January 2017 and the 25<sup>th</sup> March 2017 for the CAS Meteor Observation Camera 2 located as part of the Society Observatory at NT Dyffryn Gardens.

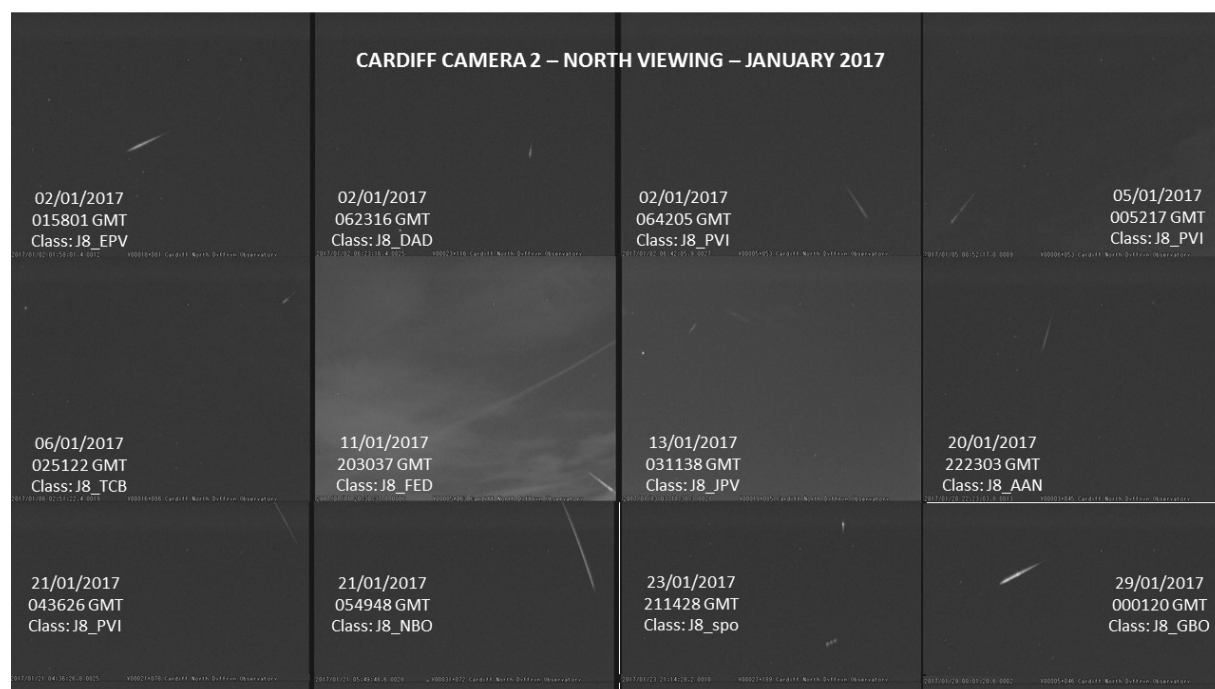
The main item to report is that a new acquisition PC has been installed (2<sup>nd</sup> March 2017) and appears to be working okay as demonstrated by the capture of a fireball on the morning 24<sup>th</sup> March 2017. The new PC has Windows 10. I have been experimenting with using a GPS receiver to time sync the PC but whilst the camera position is now well established, the time sync capability has not been achieved.

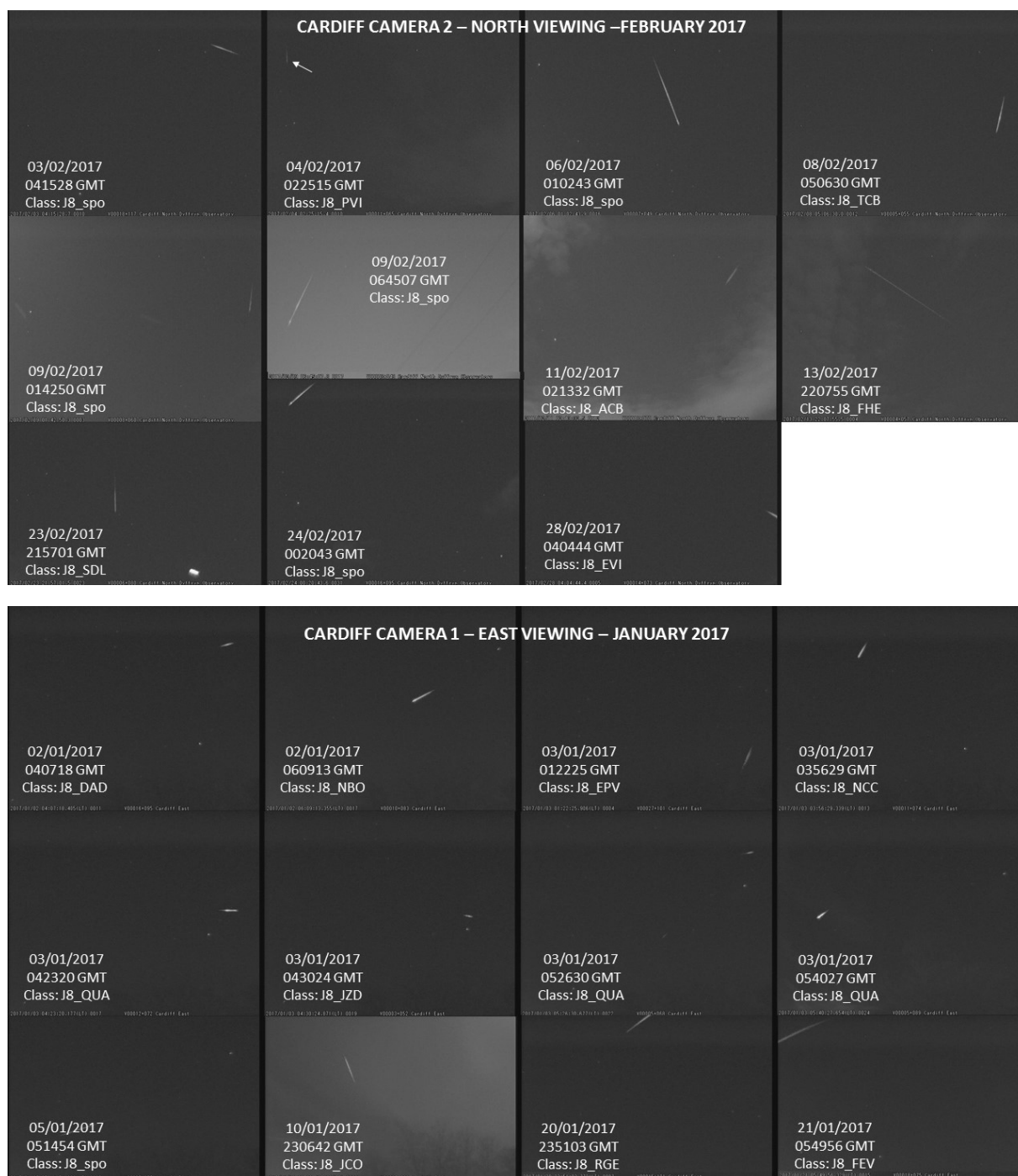
The second item to report is that data recorded from the 1<sup>st</sup> January 2017 to the 28<sup>th</sup> February 2017 have been post processed and uploaded on to the UKMON server. The data for March 2017 will be processed during April 2017. The number of observed meteors in January was 51 and 28 in February.

The CAS website CAS\_UKMON entry has been updated to the end of January 2017 for Camera 1 and the end of February 2017 for Camera 2.

[http://www.cardiff-astronomical-society.co.uk/cas\\_ukmon2](http://www.cardiff-astronomical-society.co.uk/cas_ukmon2)

Some examples:





So far March has been poor for meteor events, partly due to the low frequency which is to be anticipated but also for the overhead conditions however at 00:05:19 on the 24<sup>th</sup> the following was observed and notified to UKMON, this was the best observation made with two other UKMON sites capturing the event (Wilcot in Wiltshire and Scotch Street in Northern Ireland). Data from the event has been sent to a specialist to post process and formally record.



A new camera is on order for the system, it is being purchased via a group initiative of UKMON; delivery details are yet to be advised.

Edward Cooper  
CAS UKMON Co-ordinator  
25<sup>th</sup> March 2017