

## CAS UKMON Report to CAS Committee Meeting 16/01/2020

This report covers activities between the 11<sup>th</sup> November 2019 and the 9<sup>th</sup> January 2020 of the CAS Meteor Observation Camera 2 located as part of the Society Observatory at National Trust Dyffryn Gardens.

Camera 2 captured 20 meteor trails in November 2019 and 41 meteor trails in December. No fireball events were recorded in the period of this review.

The CAS website CAS\_UKMON entry has been updated to the end of November 2019 for Camera 1, end December 2019 for Camera 2 and today for this report and general information.

The UKMON central database has been updated to the end of November 2019 for Camera 1 and the end of December 2019 for Camera 2. UKMON are in the process of relocating the central database to an infinitely scalable location (Object Storage by AWS S3). No action has been taken for Camera 1, but all data back to January 2016 for Camera 2 has been transferred to the new site.

Image below are a collection of captures from Camera 2 during December 2019.

CARDIFF CAMERA 2 – NORTH VIEWING – DECEMBER 2019			
01/12/2019 041739 GMT Class: J8_AXS Mag: - 0.8	06/12/2019 180150 GMT Class: J8_DAD Mag: - 0.1	15/12/2019 004148 GMT Class: J8_Hyd Mag: - 1.6	15/12/2019 012620 GMT Class: J8_GEM Mag: 0
15/12/2019 012748 GMT Class: J8_Hyd Mag: - 0.1	15/12/2019 224143 GMT Class: J8_GEM Mag: - 0.6	16/12/2019 003823 GMT Class: J8_DHY Mag: - 1.7	20/12/2019 221942 GMT Class: J8_JHY Mag: - 1.7
21/12/2019 044113 GMT Class: J8_COM Mag: - 0.6	25/12/2019 051513 GMT Class: J8_DLM Mag: - 0.2	29/12/2019 215336 GMT Class: spo Mag: - 0.5	31/12/2019 034903 GMT Class: J8_DSV Mag: - 2.3

The UKMON PC has operated with only minor intervention since the last report in November 2019.

In 2018, I built a UTC Time Server for the CAS UKMON PC based on a GPS receiver to provide the synchronisation of time between Observatory recordings and the other UKMON datasets. I provided an article detailing the development, which was included on the UKMON website, aside from a few within the UKMON group I've heard little, but I've now been contacted by someone in California who is building one for an amateur radio project. The point of interest is his employer NASA Ames Research Center!

Edward Cooper  
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9<sup>th</sup> January 2020