|  |  |  |  |
| --- | --- | --- | --- |
| Date | 27th October 2017 | Time | 19:30 GMT |
| Weather | Cold, Clear | **Seeing - Antoniadi Scale** | **III – Typical Seeing** |
| Location | Norman Lockyer Observatory, Sidmouth  52.72 Deg North 3.52 Deg West | | |
| Bortle Scale | Class 3 – Rural Sky Limiting Magnitude 6.6 to 7.0 | | |
| Instrument (s) | 8” Mead SCT | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Report  Observing Conditions   * Clear, Cold and Breezy * 50% Moon visible set at 23:59 GMT * Problems with severe “Dewing” of primary and secondary mirrors and eyepieces * As a result of this we missed several attempted targets * OBSERVERSATIONS FOR 27.10.2017 BY KERRY R POWELL – Moon 1st Quarter – Waxing   Observed the following   * Vega – in Lyra * Altair – in Aquila * Mirphak – in Perseus * M31 – Andromeda Galaxy – disappointing in telescope – prefer binoculars * M82 – galaxy in Ursa Major – nothing to write home about – astro-imaging would give a better view and perhaps binoculars – must try that – the binoculars that is * M45 – open cluster in Taurus - brilliant in finderscope and not bad in main part of telescope * M13 – The Great Hercules Cluster – globular cluster – distinct – saw some stars * M92 – globular cluster in Hercules – nice * NGC 884 and NGC 869 – the famous double cluster in Perseus – viewed separately – and oh so beautiful – even better in finderscope   **Double Stars:**   * 61 Cygni – very beautiful – wide separation – each golden colour * Almach – in Andromeda – lovely * Albireo – in Cygnus – stunning as usual * Delta Cephei – the famous prototype for a Cepheid variable – didn’t realise it was a double star as well   **Planetary Nebulas:**   * M57 – Ring Nebula – in Lyra - distinct – pleased to view it * M27 – Dumbbell Nebula – in Vulpecula – disappointing   ***NB: Other people came to view through my telescope.***  ***Report Compiled by Kerry Powell*** | | | |
| Astronomy Report For | Friday 27th October 2017 | Page | 1 of 1 |