September 9th.—Certainly brighter. The new Star is estimated as but very little below 6th magnitude, and it is almost to be caught by the naked eye.

September 13th.—The Star is certainly becoming deeper in colour, it is now ruddy or reddish, but not quite so sharply defined as before. The air is very clear, and the Star certainly visible to the naked eye. The surrounding Nebula in the telescope looks very bright.

September 17th.—The Nebula 31 M. has resumed more of its usual appearance. The new Star is much diminished and does not present a clear distinct stellar point. The magnitude may be about 7th, but it looks more like an extremely condensed knot of nebulous matter, and has not the stellar sharpness before described. Observations at 3.15 a.m. G. M. T.

September 18th, 9.30 p.m.—The Star is much diminished in brightness; it is about 8th magnitude, but clear, sharp and well defined, and therefore very different to the last observation. The surrounding Nebula, however, which on the morning of the 17th looked particularly distinct, and the nucleus very bright, appears now much fainter.

September 19th.—The Star continues to diminish, it is now less than the two 8th magnitude Stars, between 31 and 32 M., and cannot be much more than 9th magnitude but appears clear and well defined.

September 21st.—Certainly brightened since the 19th, it fully equals the two 8th magnitude Stars, and appears a sharp stellar point.

September 24th.—The Star remarkably well defined but diminished in brightness, I estimate it as $8\frac{1}{2}$ magnitude, it is certainly fainter and more yellow than the two 8th magnitude Stars.

September 26th.—Pretty well defined, but certainly fainter and yellowish, not much above 9th magnitude.

September 27th.—Exceedingly well defined, creamy white, $8\frac{1}{2}$ magnitude by comparison with the two 8th magnitude Stars.

September 30th.—A decided change, considerably fainter, 9th magnitude, pale white, all yellow gone, it is not so sharply defined as other Stars in the field, becomes wooly with power 136 and will not bear magnifying as it did before.

October 3rd.—There is a remarkable change in the aspect of the Nebula 31 M. The nucleus (which follows the new Star by about a second of time) is singularly bright and condensed, so much so that with low powers it appears a distinct stellar point, and the singular appearance is presented of the new Star as a double, having a small companion on the following side; I am not certain with all attention that there is not a minute stellar point in the centre of the nucleus of the Nebula. The new Star is clear and sharp, and the orange tint is returning, magnitude $8\frac{1}{2}$.

October 7th.—The nucleus of the Nebula is still very bright, and looks stellar; new Star about the same, clear, sharp and bearing high powers.

October 10th.—The new Star is much fainter, and but little more than 10th magnitude, but sharp and stellar, with yellowish tinge.

October 24th.—Another flickering increase of light; the Star has now brightened to $9\frac{1}{2}$ magnitude.