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A remarkable recurrent nova in M31: Discovery and optical/UV observations of the predicted 2014 eruption (Corrigendum)


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An error has been identified in Table 3 of Darnley et al. (2015). The original table of fluxes included the incorrect unit (×10–15 W m–2). The correct unit should have been (×10−15 erg cm−2 s−1), and hence a discrepancy of a factor of 1000 was introduced.

No other parts of the paper, nor the results reported within, were affected by this error. We have included a corrected version in Table 1.

Table 1. Selected observed emission lines and fluxes from the three epochs of Liverpool Telescope SPRAT spectra of the 2014 eruption of M31N 2008-12a.

<table>
<thead>
<tr>
<th>Emission line</th>
<th>Flux (×10−15 erg cm−2 s−1)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>t = 0.32 d</td>
</tr>
<tr>
<td>Hα</td>
<td>11.4 ± 0.7</td>
</tr>
<tr>
<td>Hβ</td>
<td>3.1 ± 0.1</td>
</tr>
<tr>
<td>Hγ</td>
<td>2.0 ± 0.4</td>
</tr>
<tr>
<td>He I (7065 Å)</td>
<td>3.0 ± 0.4</td>
</tr>
<tr>
<td>He I (6678 Å)</td>
<td>2.0 ± 0.4</td>
</tr>
<tr>
<td>He I (5876 Å)</td>
<td>2.5 ± 0.3</td>
</tr>
</tbody>
</table>

Notes. Line flux is derived from the best-fit Gaussian profile for each emission line and is strongly dependent upon the adopted continuum level.

References