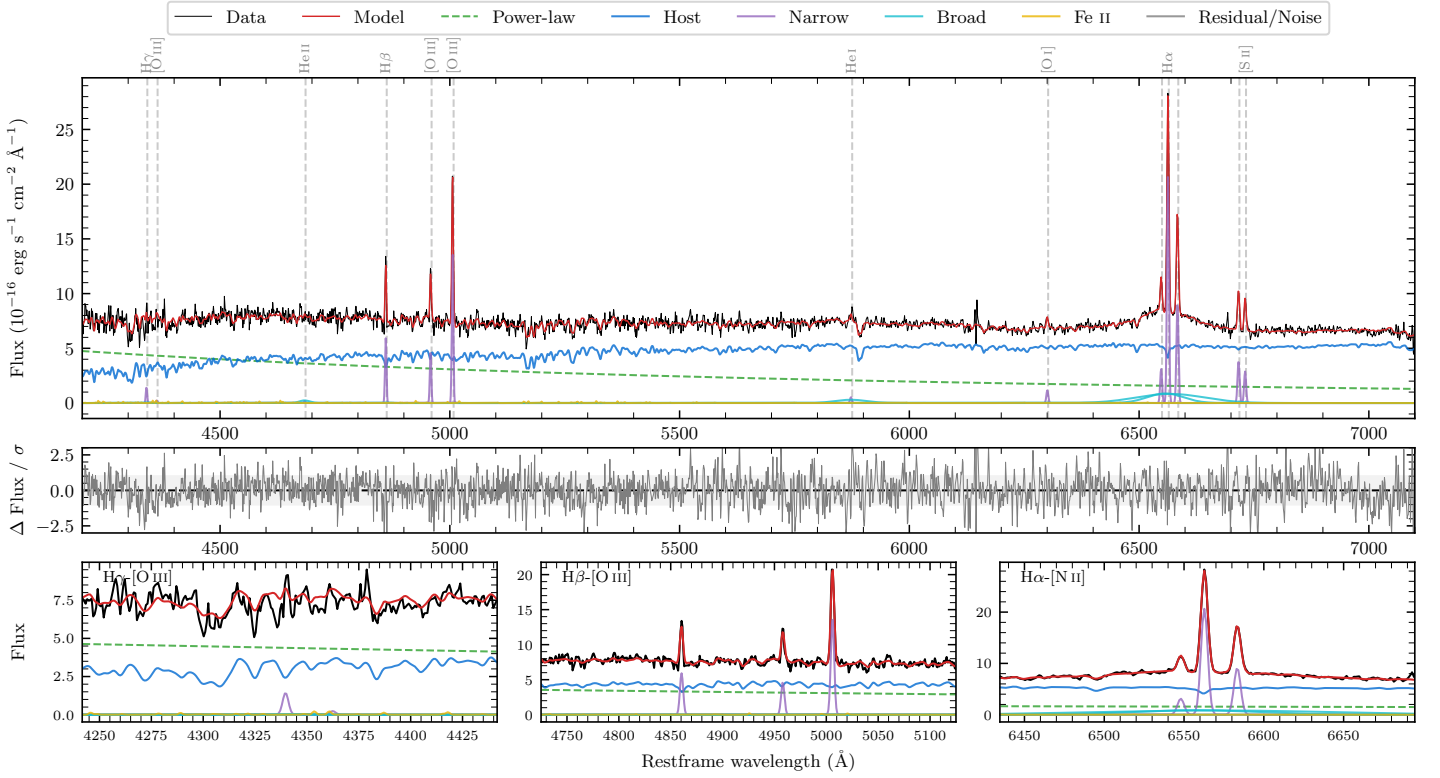
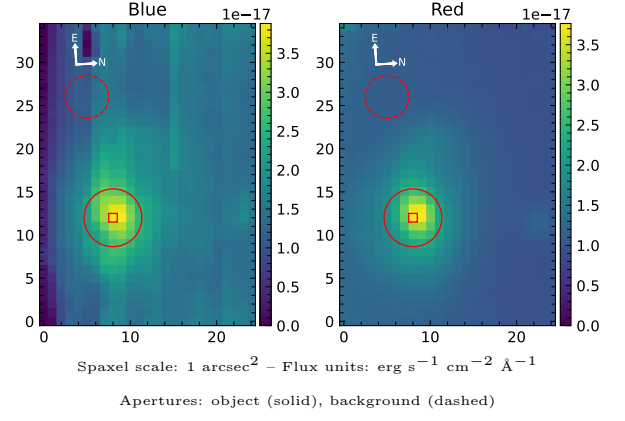


# Z 374–12

|  |                   |  |                  |
|--|-------------------|--|------------------|
| Spectrum ID                                | 304230428_sp1     | Spectrum type                            | Sy 1.5+          |
| Alt name                                   | g2046446–012208   | Quality flag                             | good             |
| $z$  | 0.0248            | AGN reference                            | 6dFGS            |
| RA, Dec                                    | 311.6858, –1.3688 | MW $E(B - V)$                            | 0.058            |
| MJD  | 59080.6           | Power law $\alpha_\nu$                   | $0.48 \pm 0.02$  |
| SNR/ $\text{\AA}$ B/R                      | 16.3/29.0         | $\log L_{5100, \text{AGN}}$              | $42.34 \pm 0.01$ |
| Obs airmass                                | 1.25              | $\log H\beta_{\text{Br}}/[\text{O III}]$ | $< -0.34$        |
| SMSS ID                                    | 304230428         | $\log M_{L5100}/M_\odot$                 | –                |
| Neighbour                                  | 13.9", 304230427  | $\log M_{\text{H}\alpha}/M_\odot$        | $7.12 \pm 0.07$  |
| SMSS $\langle r_{6''}^{\text{ap}} \rangle$ | $15.80 \pm 0.06$  | $\log M_{\text{H}\beta}/M_\odot$         | –                |
| 2MASS $K_{\text{ext}}$                     | $11.65 \pm 0.06$  | $\log M_{[\text{O III}]} / M_\odot$      | –                |



## Emission Line Measurements

| Line                              | $\log L$ (erg s <sup>-1</sup> )    | FWHM (km s <sup>-1</sup> )       | $\sigma$ (km s <sup>-1</sup> )  | EW (Å)                              |
|-----------------------------------|------------------------------------|----------------------------------|---------------------------------|-------------------------------------|
| H $\gamma$ Narrow                 | $38.89 \pm 0.16$                   | $233 \pm 62$                     | $100 \pm 25$                    | $1.19 \pm 0.35$                     |
| <b>H<math>\gamma</math> Broad</b> | –                                  | –                                | –                               | –                                   |
| [O III] 4364                      | –                                  | –                                | –                               | –                                   |
| He II Narrow                      | –                                  | –                                | –                               | –                                   |
| <b>He II Broad</b>                | <b><math>39.00 \pm 0.27</math></b> | <b><math>1675 \pm 62</math></b>  | <b><math>711 \pm 25</math></b>  | <b><math>1.91 \pm 0.64</math></b>   |
| H $\beta$ Narrow                  | $39.55 \pm 0.03$                   | $233 \pm 62$                     | $100 \pm 25$                    | $7.30 \pm 0.38$                     |
| <b>H<math>\beta</math> Broad</b>  | $< 39.59$                          | –                                | –                               | –                                   |
| [O III] 5007                      | $39.93 \pm 0.01$                   | $233 \pm 62$                     | $100 \pm 25$                    | $18.85 \pm 0.41$                    |
| He I Narrow                       | $38.58 \pm 0.15$                   | $233 \pm 62$                     | $97 \pm 25$                     | $1.26 \pm 0.25$                     |
| <b>He I Broad</b>                 | <b><math>39.59 \pm 0.07</math></b> | <b><math>4093 \pm 63</math></b>  | <b><math>1738 \pm 25</math></b> | <b><math>12.73 \pm 1.13</math></b>  |
| [O I] 6300                        | $38.95 \pm 0.06$                   | $233 \pm 62$                     | $97 \pm 25$                     | $3.48 \pm 0.31$                     |
| H $\alpha$ Narrow                 | $40.22 \pm 0.01$                   | $233 \pm 62$                     | $97 \pm 25$                     | $71.83 \pm 0.37$                    |
| <b>H<math>\alpha</math> Broad</b> | <b><math>40.56 \pm 0.01</math></b> | <b><math>5599 \pm 202</math></b> | <b><math>2388 \pm 55</math></b> | <b><math>157.77 \pm 2.15</math></b> |
| [N II] 6585                       | $39.86 \pm 0.01$                   | $233 \pm 62$                     | $97 \pm 25$                     | $32.10 \pm 0.36$                    |
| [S II] 6718                       | $39.50 \pm 0.02$                   | $233 \pm 62$                     | $97 \pm 25$                     | $14.52 \pm 0.41$                    |
| [S II] 6732                       | $39.37 \pm 0.03$                   | $233 \pm 62$                     | $97 \pm 25$                     | $10.94 \pm 0.42$                    |

## Emission Summary

|                              |       |
|------------------------------|-------|
| H $\alpha$ broad SNR         | 3.68  |
| H $\beta$ broad SNR          | 0.00  |
| H $\gamma$ broad SNR         | 0.00  |
| AGN frac                     | 0.41  |
| Host frac                    | 0.59  |
| $\log L_{5100, \text{Host}}$ | 42.50 |
| Fe II/H $\beta$              | –     |
| Fe II/[O III]                | –     |

## Quality Flags

|                  |     |
|------------------|-----|
| spurious_hab/hbb | 0/0 |
| 15100            | 2   |
| balmer           | 2   |
| balmer_snr       | 2   |
| hb_width         | 2   |
| balmer_width     | 2   |