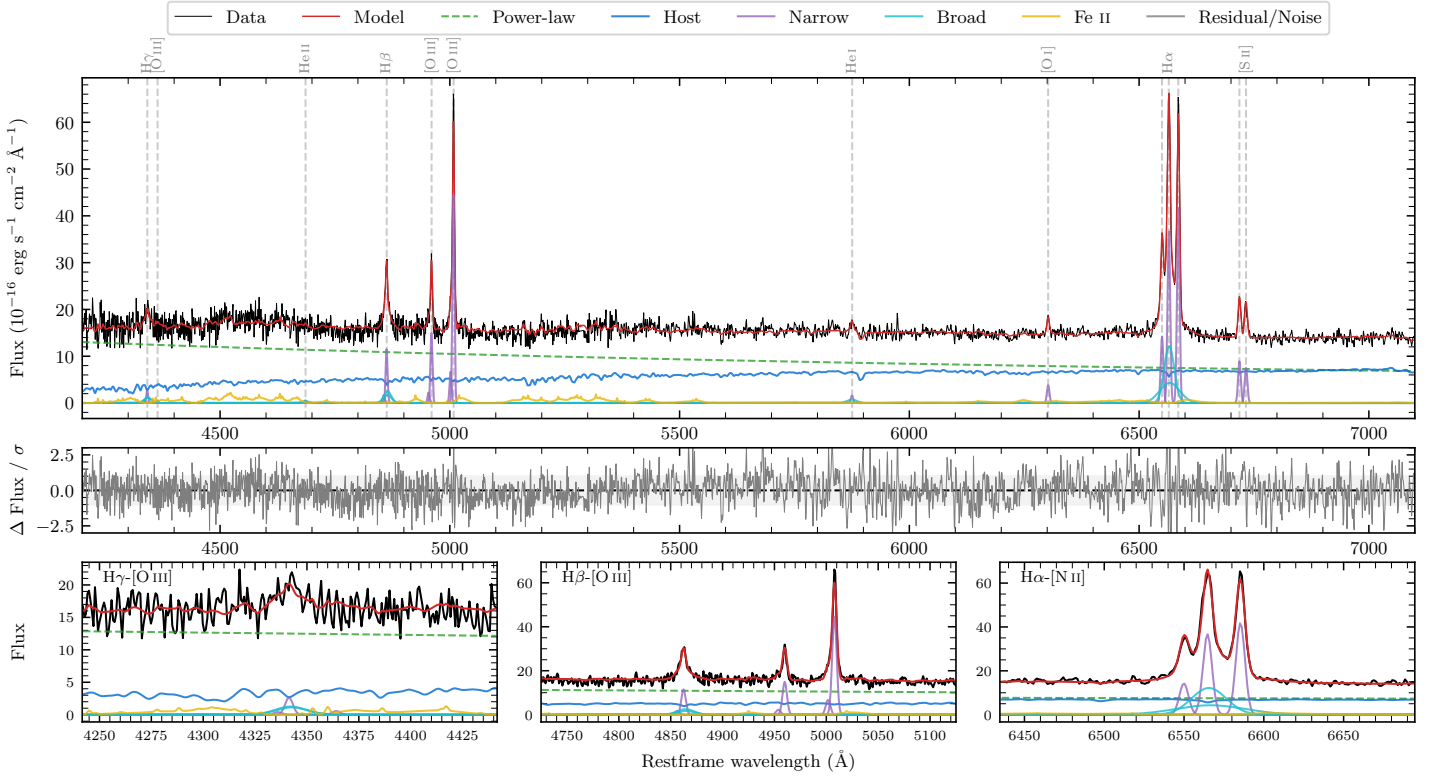
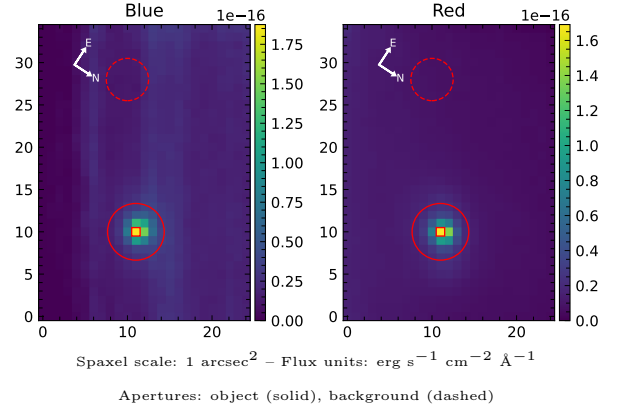


NVSS J101556–200228

| | | | |
|--|--------------------|--|------------------|
| Spectrum ID | 90567745_sp1 | Spectrum type | Sy 1.8 |
| Alt name | g1015566–200227 | Quality flag | good |
| z | 0.0548 | AGN reference | 6dFGS |
| RA, Dec | 153.9859, –20.0408 | MW $E(B - V)$ | 0.047 |
| MJD | 59668.57 | Power law α_ν | -0.77 ± 0.13 |
| SNR/Å B/R | 10.4/19.5 | $\log L_{5100, \text{AGN}}$ | 43.57 ± 0.03 |
| Obs airmass | 1.12 | $\log H\beta_{\text{Br}} / [\text{O III}]$ | -0.48 ± 0.07 |
| SMSS ID | 90567745 | $\log M_{L5100} / M_\odot$ | 6.87 ± 0.02 |
| Neighbour | None $< 15''$ | $\log M_{\text{H}\alpha} / M_\odot$ | 6.55 ± 0.05 |
| SMSS $\langle r_6''_{\text{ap}} \rangle$ | 15.91 ± 0.04 | $\log M_{\text{H}\beta} / M_\odot$ | 6.46 ± 0.06 |
| 2MASS K_{ext} | 12.18 ± 0.07 | $\log M_{[\text{O III}]} / M_\odot$ | 6.82 ± 0.03 |



Emission Line Measurements

| Line | $\log L$ (erg s ⁻¹) | FWHM (km s ⁻¹) | σ (km s ⁻¹) | EW (Å) |
|-----------------------------------|------------------------------------|---------------------------------|--------------------------------|------------------------------------|
| H γ Narrow | 40.04 ± 0.29 | 316 ± 63 | 181 ± 25 | 1.21 ± 0.38 |
| Hγ Broad | 40.60 ± 0.15 | 1219 ± 66 | 465 ± 25 | 3.77 ± 0.67 |
| [O III] 4364 | – | – | – | – |
| He II Narrow | – | – | – | – |
| He II Broad | 39.79 ± 0.42 | 1200 ± 63 | 509 ± 25 | 0.75 ± 0.59 |
| H β Narrow | 40.72 ± 0.05 | 316 ± 63 | 181 ± 25 | 6.80 ± 0.36 |
| Hβ Broad | 40.84 ± 0.07 | 1192 ± 27 | 452 ± 25 | 8.48 ± 0.62 |
| [O III] 5007 | 41.33 ± 0.01 | 316 ± 63 | 181 ± 25 | 28.13 ± 0.39 |
| He I Narrow | 39.89 ± 0.17 | 308 ± 62 | 130 ± 25 | 1.25 ± 0.22 |
| He I Broad | 40.16 ± 0.18 | 1215 ± 63 | 516 ± 25 | 2.34 ± 0.43 |
| [O I] 6300 | 40.30 ± 0.05 | 308 ± 62 | 130 ± 25 | 3.51 ± 0.24 |
| H α Narrow | 41.30 ± 0.01 | 308 ± 62 | 130 ± 25 | 36.79 ± 0.31 |
| Hα Broad | 41.63 ± 0.01 | 1361 ± 69 | 591 ± 26 | 79.94 ± 0.81 |
| [N II] 6585 | 41.35 ± 0.01 | 308 ± 62 | 130 ± 25 | 42.24 ± 0.31 |
| [S II] 6718 | 40.69 ± 0.02 | 308 ± 62 | 130 ± 25 | 9.42 ± 0.28 |
| [S II] 6732 | 40.62 ± 0.03 | 308 ± 62 | 130 ± 25 | 8.06 ± 0.27 |

Emission Summary

| | |
|------------------------------|-------|
| H α broad SNR | 11.25 |
| H β broad SNR | 3.03 |
| H γ broad SNR | 1.91 |
| AGN frac | 0.68 |
| Host frac | 0.32 |
| $\log L_{5100, \text{Host}}$ | 43.25 |
| Fe II/H β | 2.99 |
| Fe II/[O III] | 0.93 |

Quality Flags

| | |
|------------------|-----|
| spurious_hab/hbb | 0/0 |
| 15100 | 0 |
| balmer | 0 |
| balmer_snr | 1 |
| hb_width | 0 |
| balmer_width | 2 |