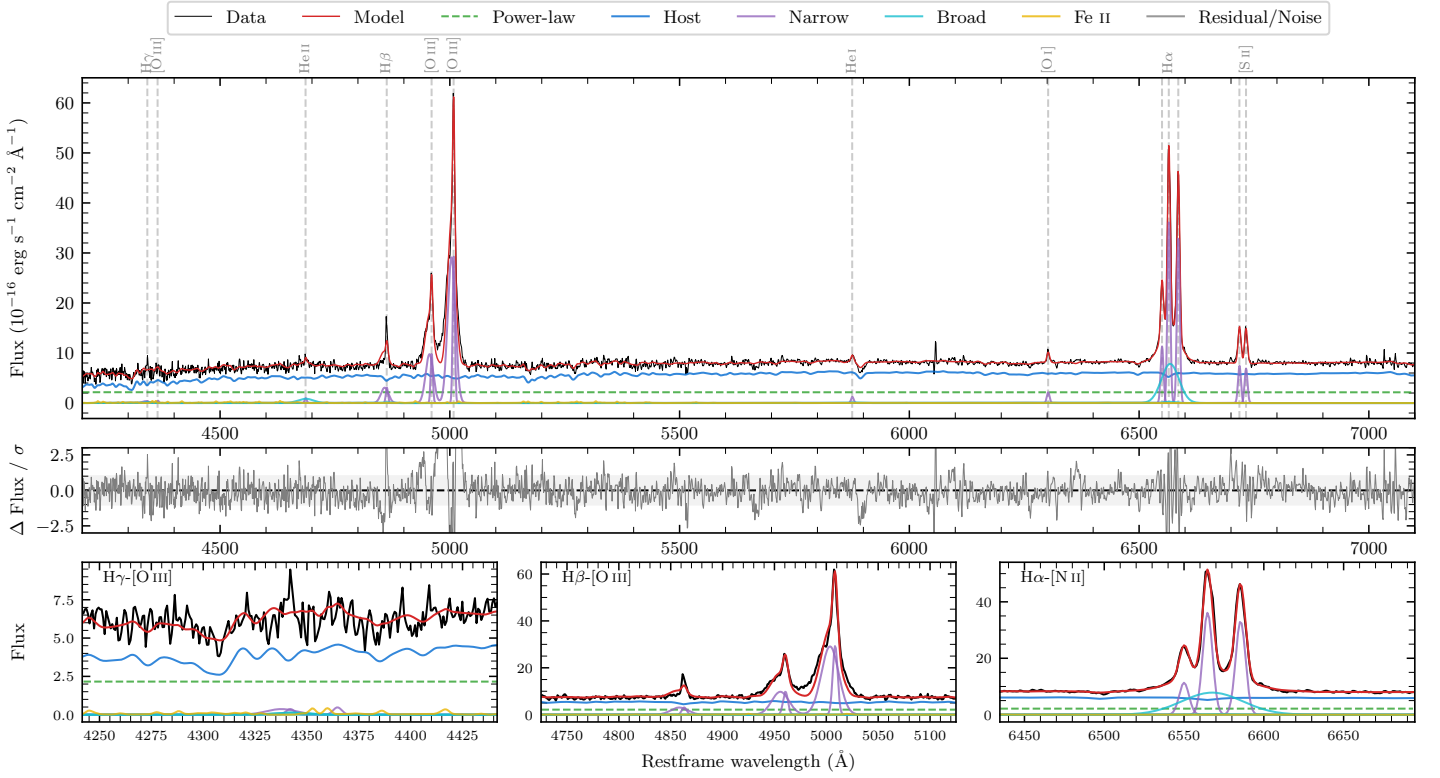
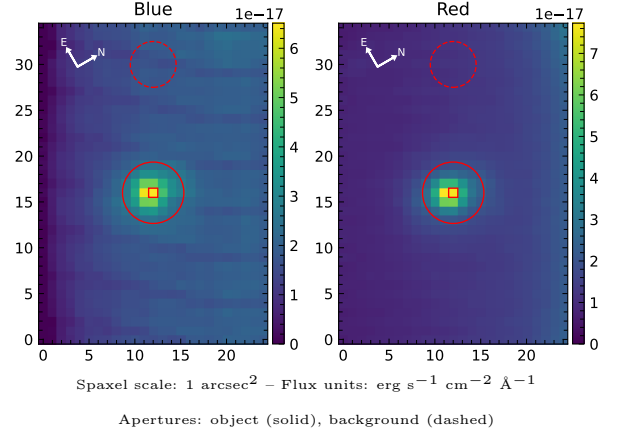


Z 4–40

Spectrum ID	75772478_sp1	Spectrum type	Sy 1.8+
Alt name	g0830144–025250	Quality flag	good
z	0.0406	AGN reference	6dFGS
RA, Dec	127.5601, –2.8804	MW $E(B - V)$	0.025
MJD	60344.6	Power law α_ν	-1.99 ± 0.02
SNR/ \AA B/R	9.9/16.9	$\log L_{5100, \text{AGN}}$	42.62 ± 0.04
Obs airmass	1.15	$\log H\beta_{\text{Br}}/[\text{O III}]$	< -1.42
SMSS ID	75772478	$\log M_{L5100}/M_\odot$	–
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	6.62 ± 0.04
SMSS $\langle r_6''_{\text{ap}} \rangle$	15.89 ± 0.02	$\log M_{\text{H}\beta}/M_\odot$	–
2MASS K_{ext}	11.95 ± 0.09	$\log M_{[\text{O III}]} / M_\odot$	–



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	39.53 ± 0.35	707 ± 63	463 ± 25	4.12 ± 1.71
Hγ Broad	–	–	–	–
[O III] 4364	38.99 ± 0.41	334 ± 62	140 ± 25	1.18 ± 0.88
He II Narrow	39.35 ± 0.25	334 ± 62	140 ± 25	2.71 ± 0.79
He II Broad	40.15 ± 0.12	2501 ± 62	1062 ± 25	17.20 ± 2.24
H β Narrow	40.50 ± 0.04	707 ± 63	463 ± 25	38.77 ± 1.48
Hβ Broad	< 40.07	–	–	–
[O III] 5007	41.49 ± 0.01	707 ± 63	463 ± 25	377.73 ± 1.75
He I Narrow	39.53 ± 0.12	334 ± 62	140 ± 25	4.10 ± 0.58
He I Broad	38.98 ± 0.51	1205 ± 62	512 ± 25	1.15 ± 1.04
[O I] 6300	39.80 ± 0.06	334 ± 62	140 ± 25	7.72 ± 0.62
H α Narrow	41.04 ± 0.01	334 ± 62	140 ± 25	135.07 ± 0.80
Hα Broad	41.19 ± 0.01	2033 ± 66	751 ± 25	186.08 ± 1.76
[N II] 6585	41.01 ± 0.01	334 ± 62	140 ± 25	124.40 ± 0.80
[S II] 6718	40.37 ± 0.02	334 ± 62	140 ± 25	28.70 ± 0.66
[S II] 6732	40.34 ± 0.02	334 ± 62	140 ± 25	26.47 ± 0.66

Emission Summary

H α broad SNR	10.57
H β broad SNR	0.35
H γ broad SNR	0.00
AGN frac	0.29
Host frac	0.71
$\log L_{5100, \text{Host}}$	43.01
Fe II/H β	–
Fe II/[O III]	0.04

Quality Flags

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