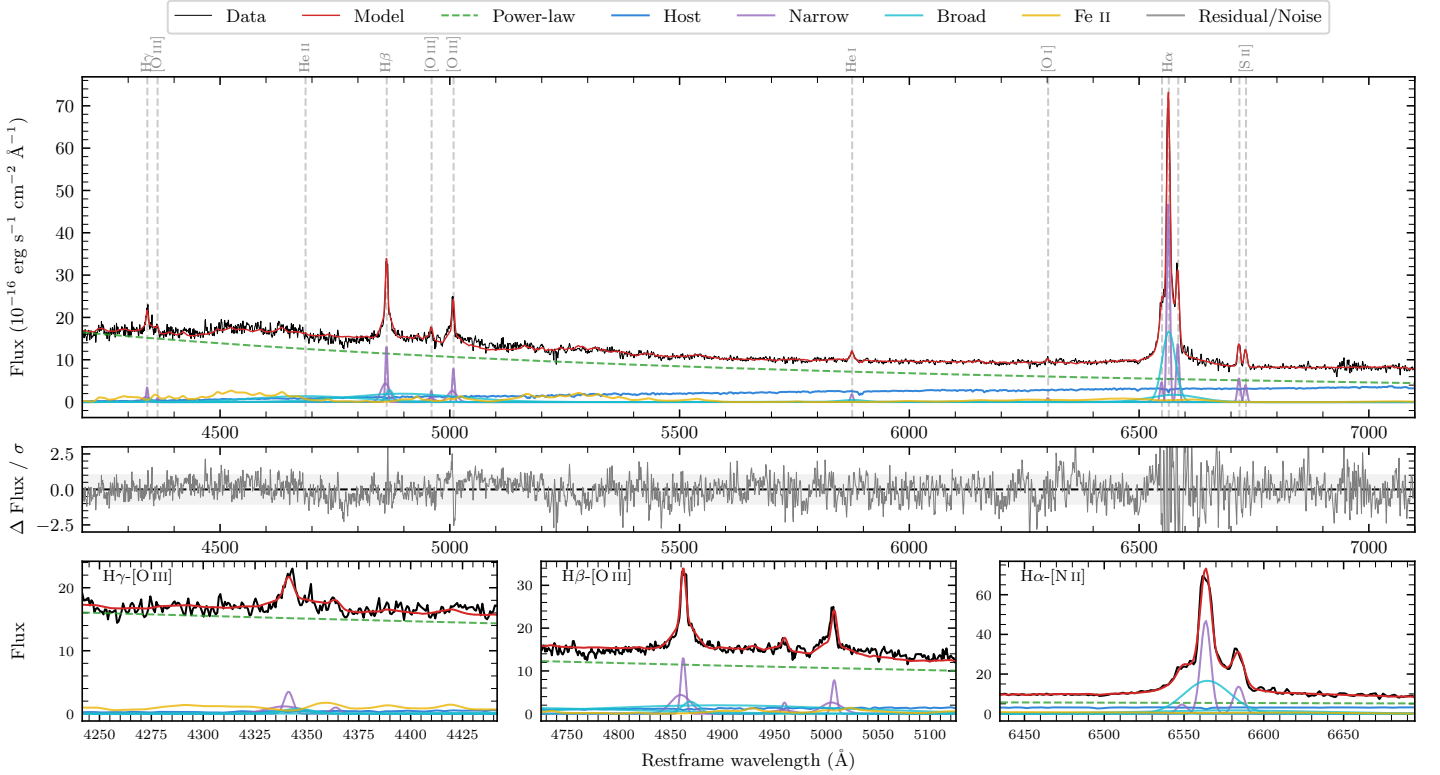
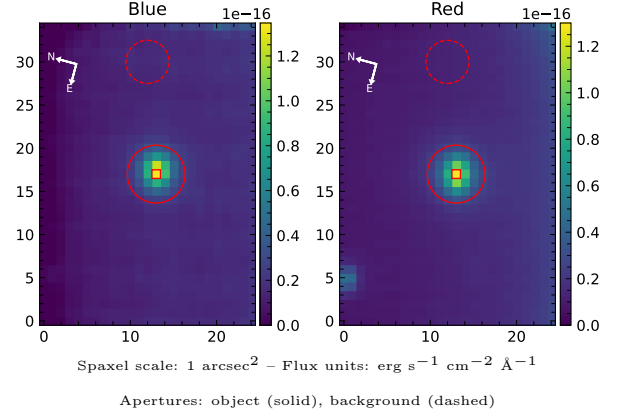


2MASS J12570643–4435201

Spectrum ID	319052134_sp2	Spectrum type	Sy 1.5
Alt name	g1257064–443520	Quality flag	good
z	0.0965	AGN reference	6dFGS
RA, Dec	194.2768, –44.5889	MW $E(B - V)$	0.075
MJD	60797.45	Power law α_ν	0.48 ± 0.02
SNR/ \AA B/R	13.2/21.3	$\log L_{5100, \text{AGN}}$	44.09 ± 0.01
Obs airmass	1.08	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.29 ± 0.58
SMSS ID	319052134	$\log M_{L5100}/M_\odot$	7.08 ± 0.02
Neighbour	None $< 15''$	$\log M_{H\alpha}/M_\odot$	7.15 ± 0.04
SMSS $\langle r_6 \rangle_{\text{ap}}$	15.95 ± 0.03	$\log M_{H\beta}/M_\odot$	6.60 ± 0.27
2MASS K_{ext}	12.29 ± 0.07	$\log M_{[\text{O III}]} / M_\odot$	6.88 ± 0.03



Emission Line Measurements

Line	$\log L$ (erg s $^{-1}$)	FWHM (km s $^{-1}$)	σ (km s $^{-1}$)	EW (Å)
H γ Narrow	41.06 ± 0.12	421 ± 64	470 ± 29	3.18 ± 0.46
Hγ Broad	40.91 ± 0.21	1272 ± 98	499 ± 41	1.85 ± 0.45
[O III] 4364	40.13 ± 0.34	345 ± 62	146 ± 25	0.38 ± 0.22
He II Narrow	–	–	–	–
He II Broad	–	–	–	–
H β Narrow	41.68 ± 0.03	421 ± 64	471 ± 29	17.65 ± 0.57
Hβ Broad	$41.17^{+1.06}_{-0.09}$	1179 ± 25	422 ± 25	5.52 ± 0.53
[O III] 5007	41.47 ± 0.04	421 ± 64	471 ± 29	11.69 ± 0.63
He I Narrow	40.53 ± 0.06	345 ± 62	146 ± 25	2.02 ± 0.16
He I Broad	40.96 ± 0.08	3266 ± 69	1387 ± 28	5.39 ± 0.49
[O I] 6300	40.28 ± 0.10	345 ± 62	146 ± 25	1.35 ± 0.20
H α Narrow	41.99 ± 0.01	345 ± 62	146 ± 25	75.50 ± 0.33
Hα Broad	42.33 ± 0.01	1661 ± 64	808 ± 25	168.44 ± 1.01
[N II] 6585	41.45 ± 0.01	345 ± 62	146 ± 25	22.35 ± 0.27
[S II] 6718	41.07 ± 0.02	345 ± 62	146 ± 25	9.72 ± 0.26
[S II] 6732	40.93 ± 0.02	345 ± 62	146 ± 25	7.09 ± 0.26

Emission Summary

H α broad SNR	18.37
H β broad SNR	2.83
H γ broad SNR	1.58
AGN frac	0.89
Host frac	0.11
$\log L_{5100, \text{Host}}$	43.19
Fe II/H β	–
Fe II/[O III]	–

Quality Flags

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