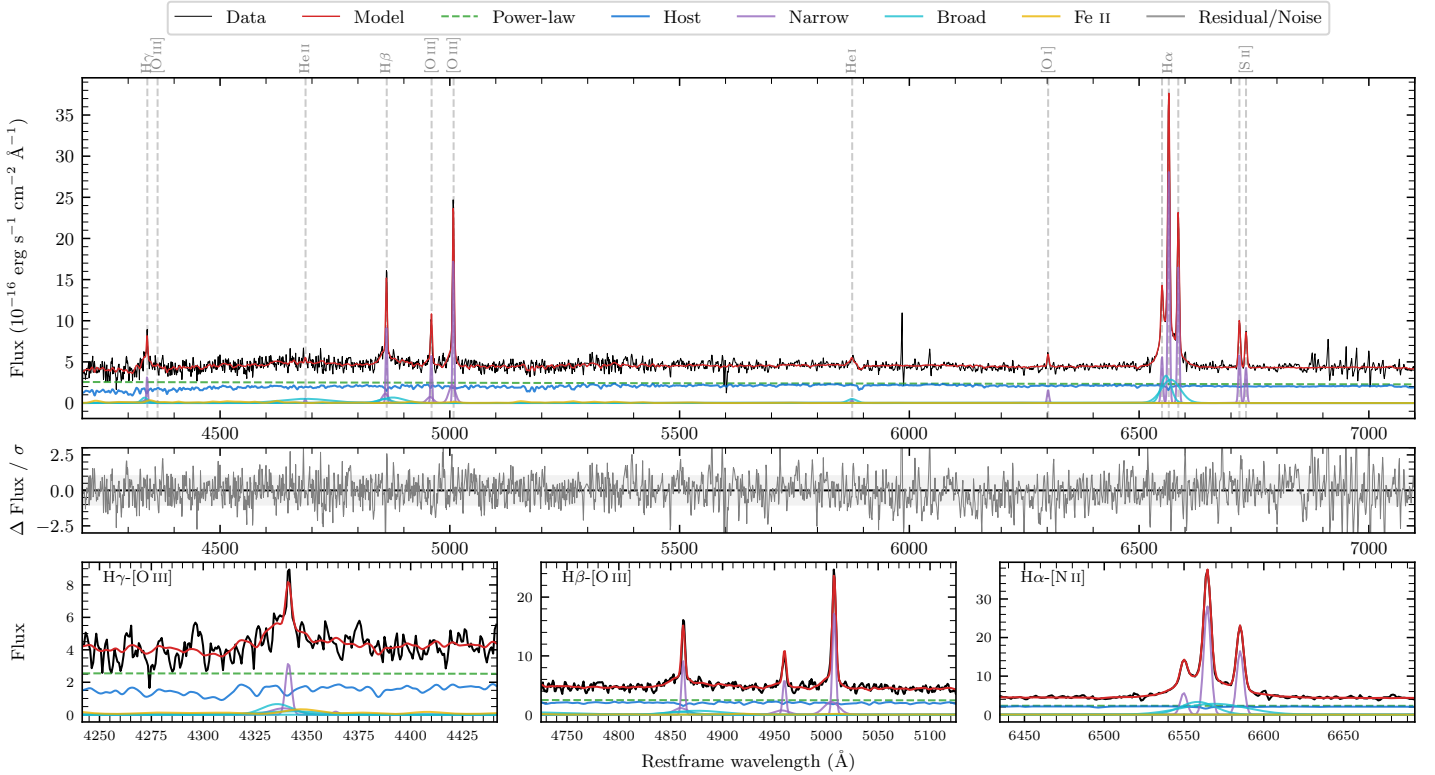
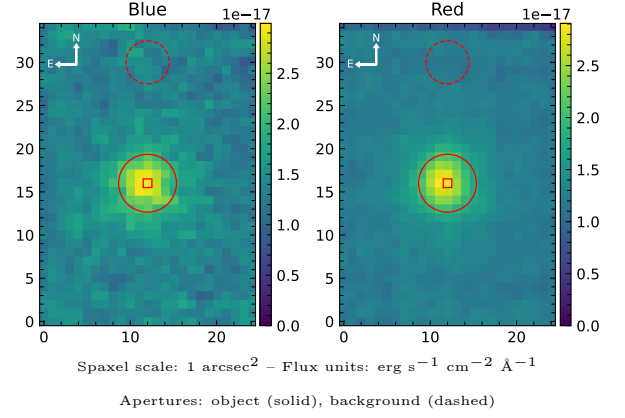


SDSS J214903.96–014111.7

Spectrum ID	5439861_sp1	Spectrum type	Sy 1.5
Alt name	g2149040–014112	Quality flag	good
z	0.0527	AGN reference	6dFGS
RA, Dec	327.2665, –1.6866	MW $E(B - V)$	0.055
MJD	60091.75	Power law α_ν	-1.77 ± 0.10
SNR/ \AA B/R	8.5/14.1	$\log L_{5100, \text{AGN}}$	42.92 ± 0.03
Obs airmass	1.25	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.28 ± 0.06
SMSS ID	5439861	$\log M_{L5100}/M_\odot$	7.45 ± 0.10
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	6.44 ± 0.05
SMSS $\langle r_6''_{\text{ap}} \rangle$	16.70 ± 0.07	$\log M_{\text{H}\beta}/M_\odot$	7.22 ± 0.11
2MASS K_{ext}	13.44 ± 0.18	$\log M_{[\text{O III}]} / M_\odot$	7.47 ± 0.10



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	40.09 ± 0.08	257 ± 63	278 ± 29	7.32 ± 1.15
Hγ Broad	40.18 ± 0.14	1371 ± 195	653 ± 146	8.40 ± 1.68
[O III] 4364	–	–	–	–
He II Narrow	39.18 ± 0.30	236 ± 62	99 ± 25	0.92 ± 0.46
He II Broad	40.68 ± 0.07	8049 ± 74	3418 ± 30	28.82 ± 2.63
H β Narrow	40.60 ± 0.03	257 ± 63	278 ± 29	24.07 ± 0.97
Hβ Broad	40.62 ± 0.06	3210 ± 351	1208 ± 51	25.20 ± 1.74
[O III] 5007	40.89 ± 0.01	257 ± 63	278 ± 29	48.13 ± 0.88
He I Narrow	39.17 ± 0.25	236 ± 62	99 ± 25	0.93 ± 0.28
He I Broad	39.93 ± 0.10	1180 ± 62	501 ± 25	5.45 ± 0.66
[O I] 6300	39.76 ± 0.05	236 ± 62	99 ± 25	3.70 ± 0.29
H α Narrow	41.03 ± 0.01	236 ± 62	99 ± 25	69.96 ± 0.44
Hα Broad	41.22 ± 0.01	1613 ± 80	674 ± 25	108.15 ± 1.17
[N II] 6585	40.80 ± 0.01	236 ± 62	99 ± 25	41.12 ± 0.41
[S II] 6718	40.36 ± 0.02	236 ± 62	99 ± 25	14.97 ± 0.32
[S II] 6732	40.23 ± 0.02	236 ± 62	99 ± 25	11.05 ± 0.32

Emission Summary

H α broad SNR	10.61
H β broad SNR	1.94
H γ broad SNR	1.61
AGN frac	0.57
Host frac	0.43
$\log L_{5100, \text{Host}}$	42.80
Fe II/H β	0.71
Fe II/[O III]	0.37

Quality Flags

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