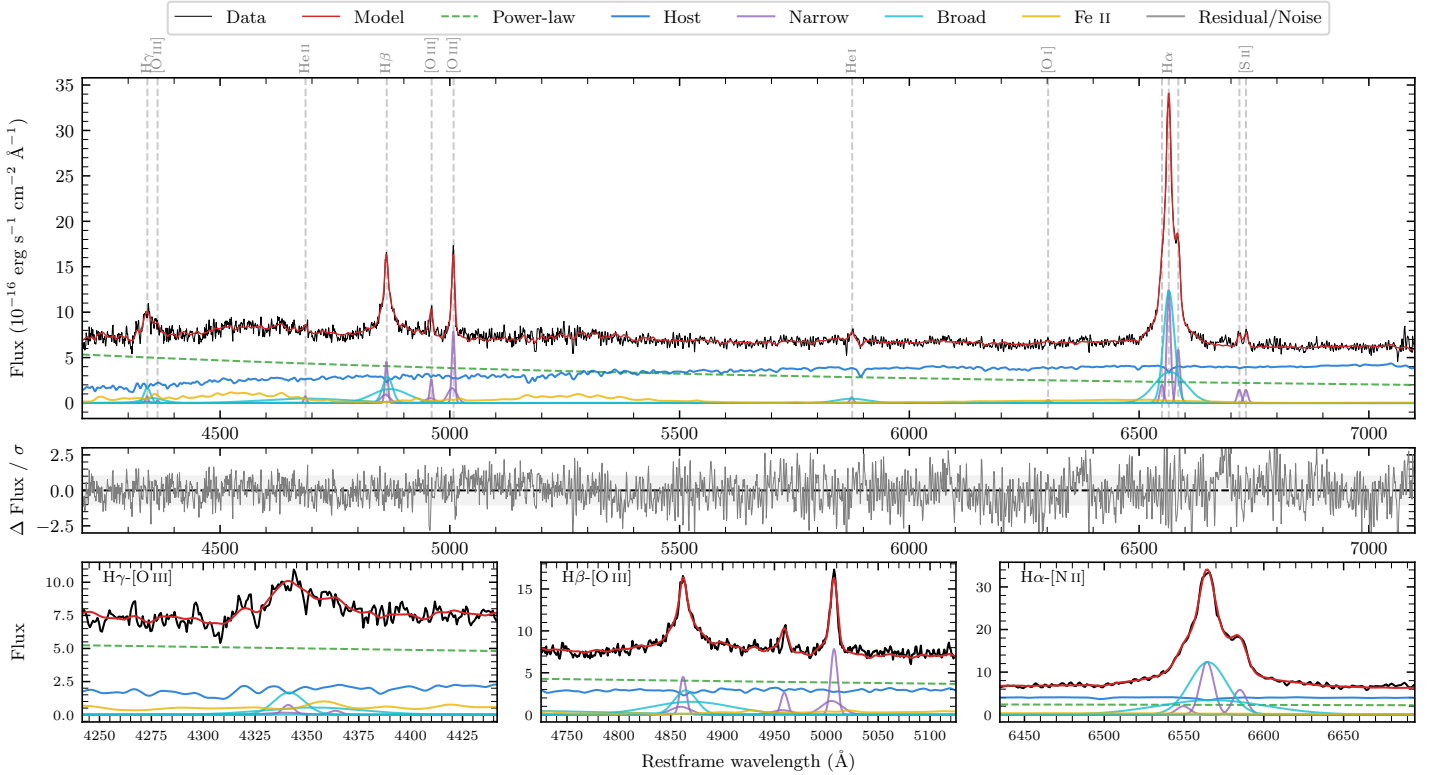
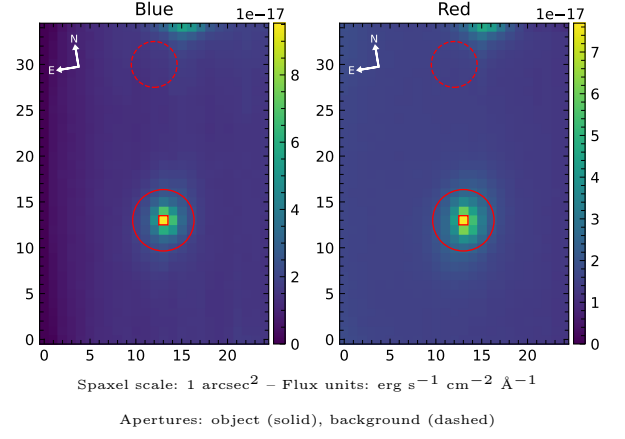


2MASS J14072198–3120576

Spectrum ID	101746230_sp2	Spectrum type	Sy 1.2
Alt name	g1407220–312058	Quality flag	good
z	0.0746	AGN reference	6dFGS
RA, Dec	211.8416, –31.3494	MW $E(B - V)$	0.054
MJD	59671.61	Power law α_ν	-0.13 ± 0.20
SNR/ \AA B/R	14.2/23.2	$\log L_{5100, \text{AGN}}$	43.41 ± 0.03
Obs airmass	1.02	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.34 ± 0.03
SMSS ID	101746230	$\log M_{L5100}/M_\odot$	7.30 ± 0.07
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	6.83 ± 0.04
SMSS $\langle r_6''_{\text{ap}} \rangle$	16.46 ± 0.06	$\log M_{\text{H}\beta}/M_\odot$	7.27 ± 0.07
2MASS K_{ext}	12.94 ± 0.11	$\log M_{[\text{O III}]} / M_\odot$	7.26 ± 0.07



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	40.10 ± 0.33	521 ± 64	410 ± 31	1.84 ± 0.58
Hγ Broad	40.97 ± 0.07	1418 ± 158	874 ± 141	13.57 ± 1.00
[O III] 4364	39.49 ± 0.40	461 ± 63	195 ± 25	0.45 ± 0.33
He II Narrow	39.93 ± 0.16	461 ± 63	195 ± 25	1.41 ± 0.35
He II Broad	41.25 ± 0.06	14400 ± 575	6115 ± 244	29.26 ± 2.08
H β Narrow	40.94 ± 0.05	521 ± 64	410 ± 30	15.60 ± 0.67
Hβ Broad	41.53 ± 0.02	2120 ± 166	1487 ± 68	61.52 ± 1.38
[O III] 5007	41.19 ± 0.02	521 ± 64	410 ± 30	29.46 ± 0.74
He I Narrow	39.94 ± 0.10	461 ± 63	195 ± 25	2.25 ± 0.33
He I Broad	40.78 ± 0.05	4106 ± 261	1744 ± 110	15.43 ± 0.93
[O I] 6300	39.71 ± 0.14	461 ± 63	195 ± 25	1.49 ± 0.33
H α Narrow	41.30 ± 0.02	461 ± 63	195 ± 25	62.35 ± 0.49
Hα Broad	41.98 ± 0.01	1473 ± 73	746 ± 25	304.42 ± 1.24
[N II] 6585	40.97 ± 0.02	461 ± 63	195 ± 25	29.48 ± 0.46
[S II] 6718	40.38 ± 0.03	461 ± 63	195 ± 25	7.82 ± 0.46
[S II] 6732	40.38 ± 0.04	461 ± 63	195 ± 25	7.85 ± 0.49

Emission Summary

H α broad SNR	30.78
H β broad SNR	8.66
H γ broad SNR	4.24
AGN frac	0.56
Host frac	0.44
$\log L_{5100, \text{Host}}$	43.30
Fe II/H β	1.18
Fe II/[O III]	2.60

Quality Flags

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