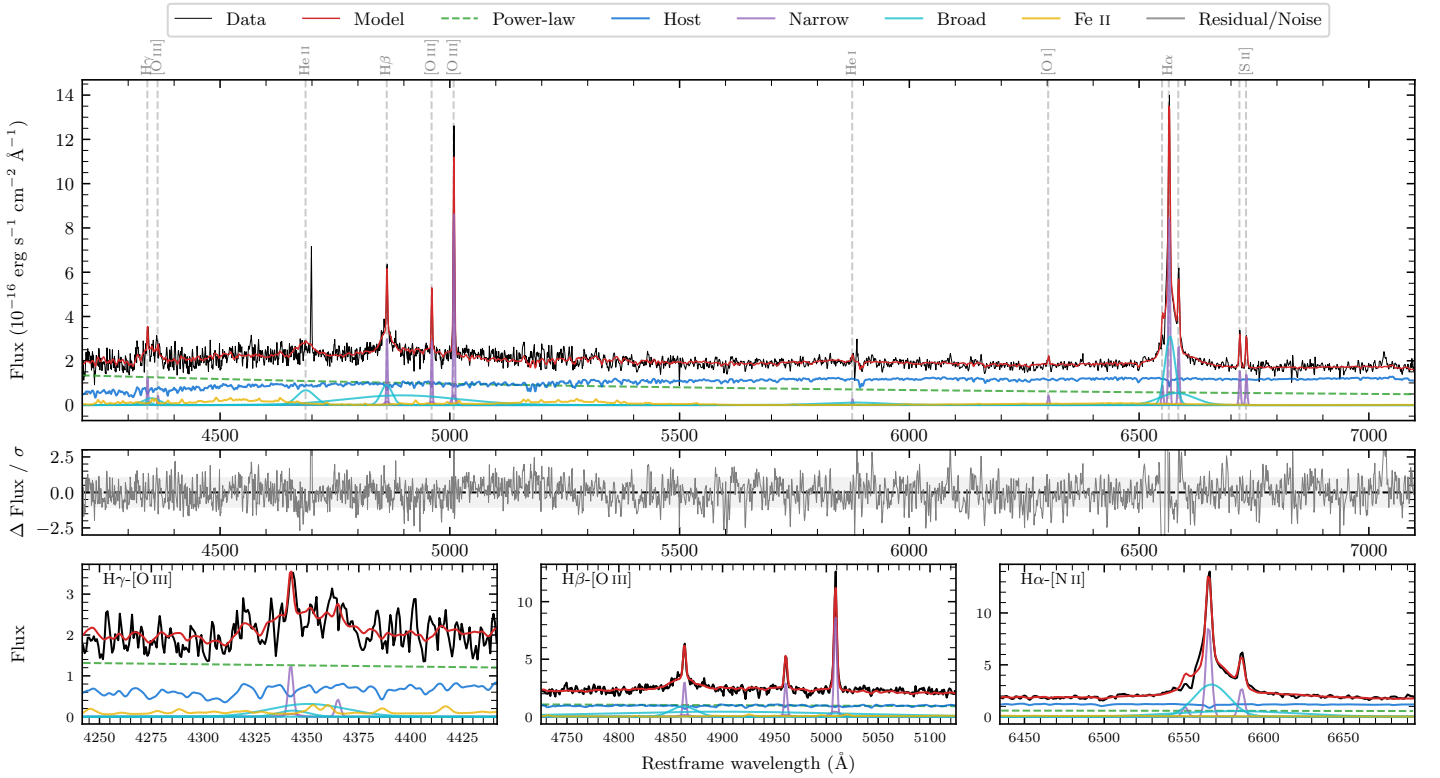
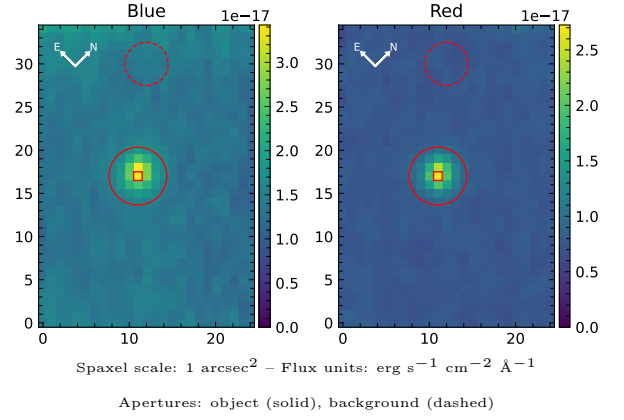


6dFGS gJ021342.4–424927

Spectrum ID	504929882_sp1	Spectrum type	Sy 1.5
Alt name	g0213424–424927	Quality flag	good
z	0.0713	AGN reference	6dFGS
RA, Dec	33.4266, –42.8241	MW $E(B - V)$	0.012
MJD	60203.69	Power law α_ν	-0.08 ± 0.31
SNR/Å B/R	7.3/12.0	$\log L_{5100, \text{AGN}}$	42.77 ± 0.05
Obs airmass	1.02	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.10 ± 0.41
SMSS ID	504929882	$\log M_{L5100}/M_\odot$	6.87 ± 0.07
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	6.29 ± 0.05
SMSS $\langle r_6''_{\text{ap}} \rangle$	nan \pm nan	$\log M_{\text{H}\beta}/M_\odot$	6.68 ± 0.22
2MASS K_{ext}	nan \pm nan	$\log M_{[\text{O III}]} / M_\odot$	6.84 ± 0.07



Emission Line Measurements

Line	$\log L$ (erg s $^{-1}$)	FWHM (km s $^{-1}$)	σ (km s $^{-1}$)	EW (Å)
H γ Narrow	39.77 ± 0.11	204 ± 63	139 ± 34	3.82 ± 0.96
Hγ Broad	40.37 ± 0.11	2343 ± 575	950 ± 106	14.62 ± 2.01
[O III] 4364	39.23 ± 0.29	202 ± 63	82 ± 25	1.09 ± 0.48
He II Narrow	–	–	–	–
He II Broad	–	–	–	–
H β Narrow	40.21 ± 0.05	204 ± 63	139 ± 34	12.90 ± 1.01
Hβ Broad	$40.57^{+0.77}_{-0.05}$	1763 ± 118	661 ± 49	29.21 ± 1.68
[O III] 5007	40.67 ± 0.02	204 ± 63	139 ± 34	39.66 ± 1.13
He I Narrow	39.16 ± 0.18	202 ± 63	82 ± 25	1.65 ± 0.58
He I Broad	40.43 ± 0.08	8409 ± 132	3571 ± 55	31.10 ± 3.17
[O I] 6300	39.39 ± 0.10	202 ± 63	82 ± 25	3.19 ± 0.49
H α Narrow	40.72 ± 0.01	202 ± 63	82 ± 25	74.54 ± 0.69
Hα Broad	41.26 ± 0.01	1307 ± 64	709 ± 27	257.96 ± 2.83
[N II] 6585	40.22 ± 0.02	202 ± 63	82 ± 25	23.48 ± 0.65
[S II] 6718	39.97 ± 0.03	202 ± 63	82 ± 25	13.93 ± 0.62
[S II] 6732	39.93 ± 0.03	202 ± 63	82 ± 25	12.73 ± 0.57

Emission Summary

H α broad SNR	12.41
H β broad SNR	3.12
H γ broad SNR	1.62
AGN frac	0.51
Host frac	0.49
$\log L_{5100, \text{Host}}$	42.75
Fe II/H β	–
Fe II/[O III]	–

Quality Flags

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