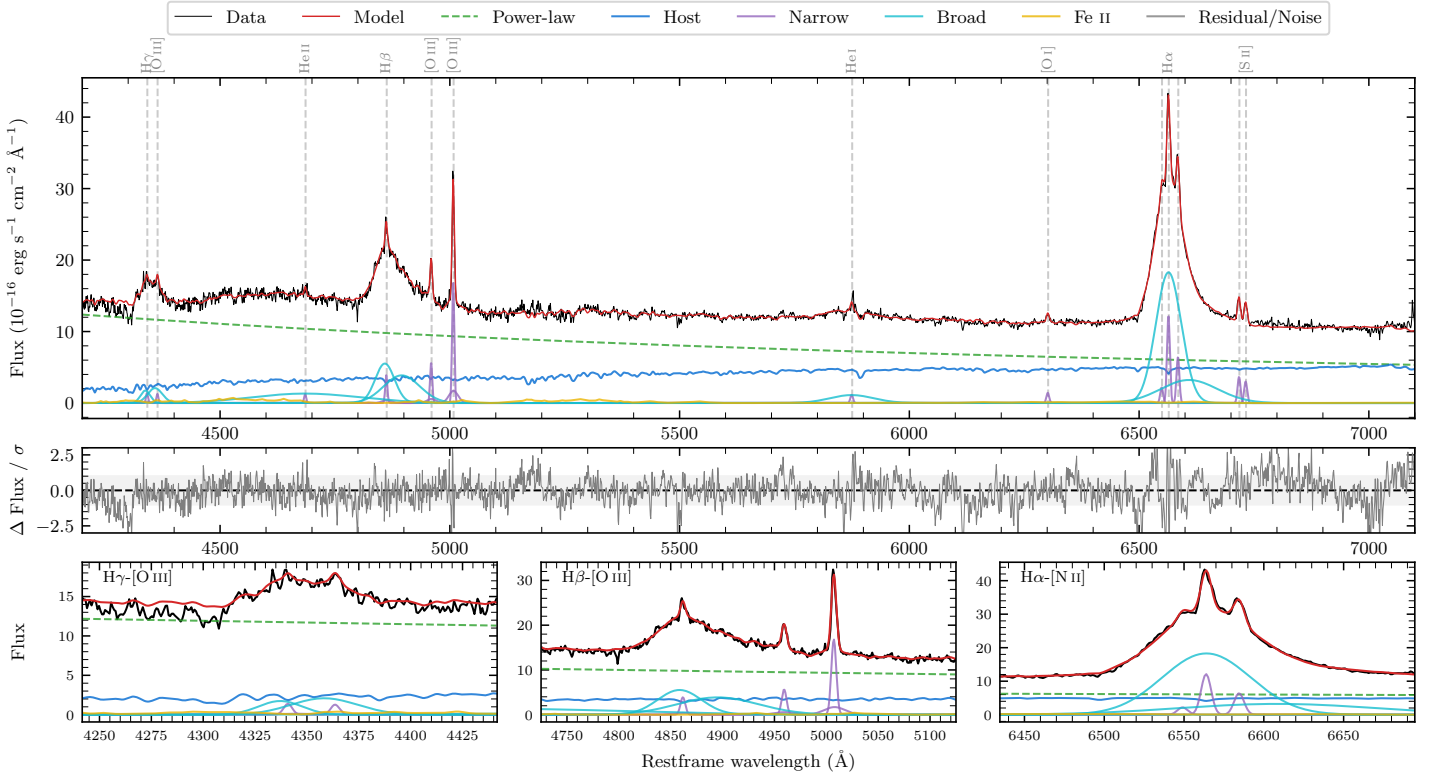
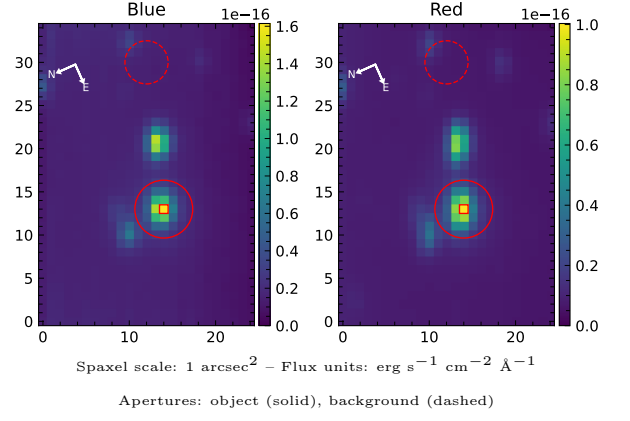


6dFGS gJ182452.5–432858

Spectrum ID	203556779_sp2	Spectrum type	Sy 1.2
Alt name	g1824525–432858	Quality flag	good
z	0.0718	AGN reference	6dFGS
RA, Dec	276.2189, –43.4828	MW $E(B - V)$	0.069
MJD	59019.62	Power law α_ν	-0.40 ± 0.08
SNR/ \AA B/R	22.8/33.5	$\log L_{5100, \text{AGN}}$	43.77 ± 0.01
Obs airmass	1.02	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.67 ± 0.02
SMSS ID	203556779	$\log M_{L5100}/M_\odot$	8.10 ± 0.03
Neighbour	4.0", 203556778	$\log M_{\text{H}\alpha}/M_\odot$	7.76 ± 0.02
SMSS $\langle r_6''_{\text{ap}} \rangle$	16.16 ± 0.09	$\log M_{\text{H}\beta}/M_\odot$	8.11 ± 0.03
2MASS K_{ext}	12.65 ± 0.09	$\log M_{[\text{O III}]} / M_\odot$	7.95 ± 0.03



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	40.14 ± 0.16	363 ± 63	347 ± 30	0.94 ± 0.26
Hγ Broad	41.24 ± 0.03	3126 ± 178	1021 ± 35	11.79 ± 0.38
[O III] 4364	39.95 ± 0.17	340 ± 63	143 ± 25	0.61 ± 0.14
He II Narrow	39.98 ± 0.13	340 ± 63	143 ± 25	0.73 ± 0.15
He II Broad	41.72 ± 0.02	17658 ± 63	7499 ± 25	40.21 ± 1.15
H β Narrow	40.64 ± 0.05	363 ± 63	348 ± 30	3.54 ± 0.32
Hβ Broad	41.96 ± 0.01	4448 ± 145	1821 ± 32	73.85 ± 0.67
[O III] 5007	41.29 ± 0.01	363 ± 63	348 ± 30	16.50 ± 0.34
He I Narrow	40.04 ± 0.08	340 ± 63	143 ± 25	1.20 ± 0.16
He I Broad	41.25 ± 0.02	5677 ± 151	2411 ± 64	19.56 ± 0.55
[O I] 6300	40.16 ± 0.05	340 ± 63	143 ± 25	1.79 ± 0.14
H α Narrow	41.11 ± 0.01	340 ± 63	143 ± 25	16.88 ± 0.20
Hα Broad	42.38 ± 0.01	3252 ± 64	1440 ± 25	314.69 ± 0.81
[N II] 6585	40.83 ± 0.02	340 ± 63	143 ± 25	8.99 ± 0.20
[S II] 6718	40.60 ± 0.02	340 ± 63	143 ± 25	5.40 ± 0.19
[S II] 6732	40.52 ± 0.03	340 ± 63	143 ± 25	4.49 ± 0.18

Emission Summary

H α broad SNR	35.17
H β broad SNR	13.80
H γ broad SNR	4.71
AGN frac	0.73
Host frac	0.27
$\log L_{5100, \text{Host}}$	43.34
Fe II/H β	0.18
Fe II/[O III]	0.83

Quality Flags

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