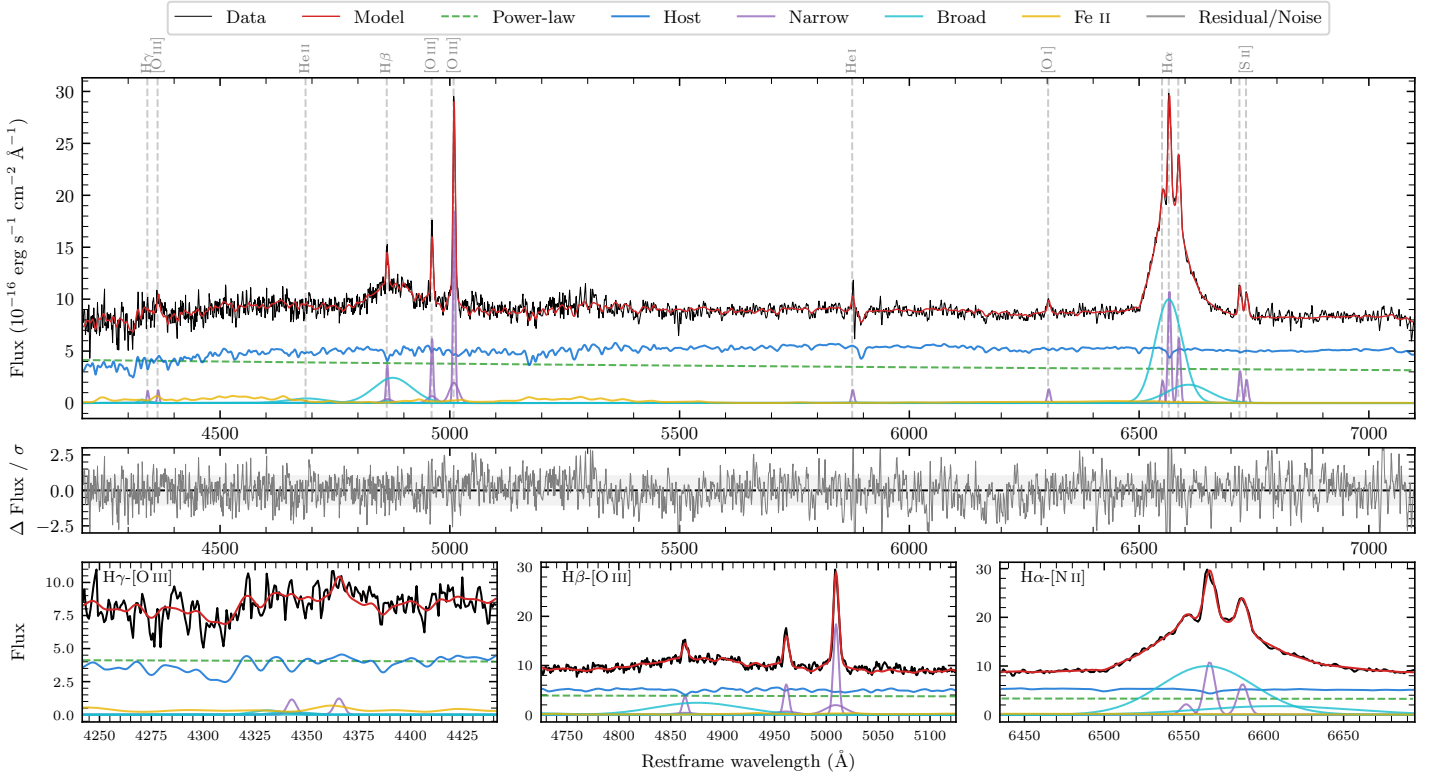
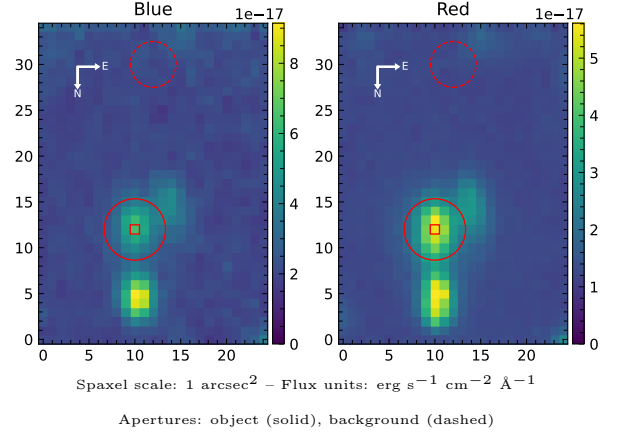


6dFGS gJ182452.5–432858

Spectrum ID	203556779_sp3	Spectrum type	Sy 1.5
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	60525.5	Power law α_ν	-1.48 ± 0.16
SNR/ \AA B/R	14.2/25.8	$\log L_{5100, \text{AGN}}$	43.38 ± 0.03
Obs airmass	1.03	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.20 ± 0.02
SMSS ID	203556779	$\log M_{L5100}/M_\odot$	8.16 ± 0.04
Neighbour	4.0", 203556778	$\log M_{\text{H}\alpha}/M_\odot$	7.63 ± 0.02
SMSS $\langle r_{6'' \text{ap}} \rangle$	16.16 ± 0.09	$\log M_{\text{H}\beta}/M_\odot$	8.15 ± 0.04
2MASS K_{ext}	12.65 ± 0.09	$\log M_{[\text{O III}]} / M_\odot$	8.21 ± 0.04



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	40.09 ± 0.20	382 ± 63	350 ± 30	2.39 ± 0.89
Hγ Broad	—	—	—	—
[O III] 4364	39.96 ± 0.18	358 ± 63	151 ± 25	1.80 ± 0.45
He II Narrow	39.27 ± 0.45	358 ± 63	151 ± 25	0.38 ± 0.36
He II Broad	40.81 ± 0.10	6467 ± 68	2746 ± 28	13.12 ± 1.79
H β Narrow	40.64 ± 0.06	382 ± 63	350 ± 30	8.95 ± 0.82
Hβ Broad	41.54 ± 0.02	5786 ± 242	2169 ± 32	72.05 ± 1.81
[O III] 5007	41.35 ± 0.01	382 ± 63	350 ± 30	46.95 ± 0.93
He I Narrow	40.10 ± 0.09	358 ± 63	151 ± 25	2.89 ± 0.38
He I Broad	—	—	—	—
[O I] 6300	40.16 ± 0.06	358 ± 63	151 ± 25	3.42 ± 0.28
H α Narrow	41.08 ± 0.01	358 ± 63	151 ± 25	29.26 ± 0.37
Hα Broad	42.10 ± 0.01	3387 ± 66	1371 ± 25	305.49 ± 1.25
[N II] 6585	40.85 ± 0.02	358 ± 63	151 ± 25	17.09 ± 0.36
[S II] 6718	40.55 ± 0.03	358 ± 63	151 ± 25	8.61 ± 0.32
[S II] 6732	40.41 ± 0.03	358 ± 63	151 ± 25	6.27 ± 0.30

Emission Summary

H α broad SNR	17.69
H β broad SNR	4.12
H γ broad SNR	0.89
AGN frac	0.43
Host frac	0.57
$\log L_{5100, \text{Host}}$	43.50
Fe II/H β	0.59
Fe II/[O III]	0.92

Quality Flags

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