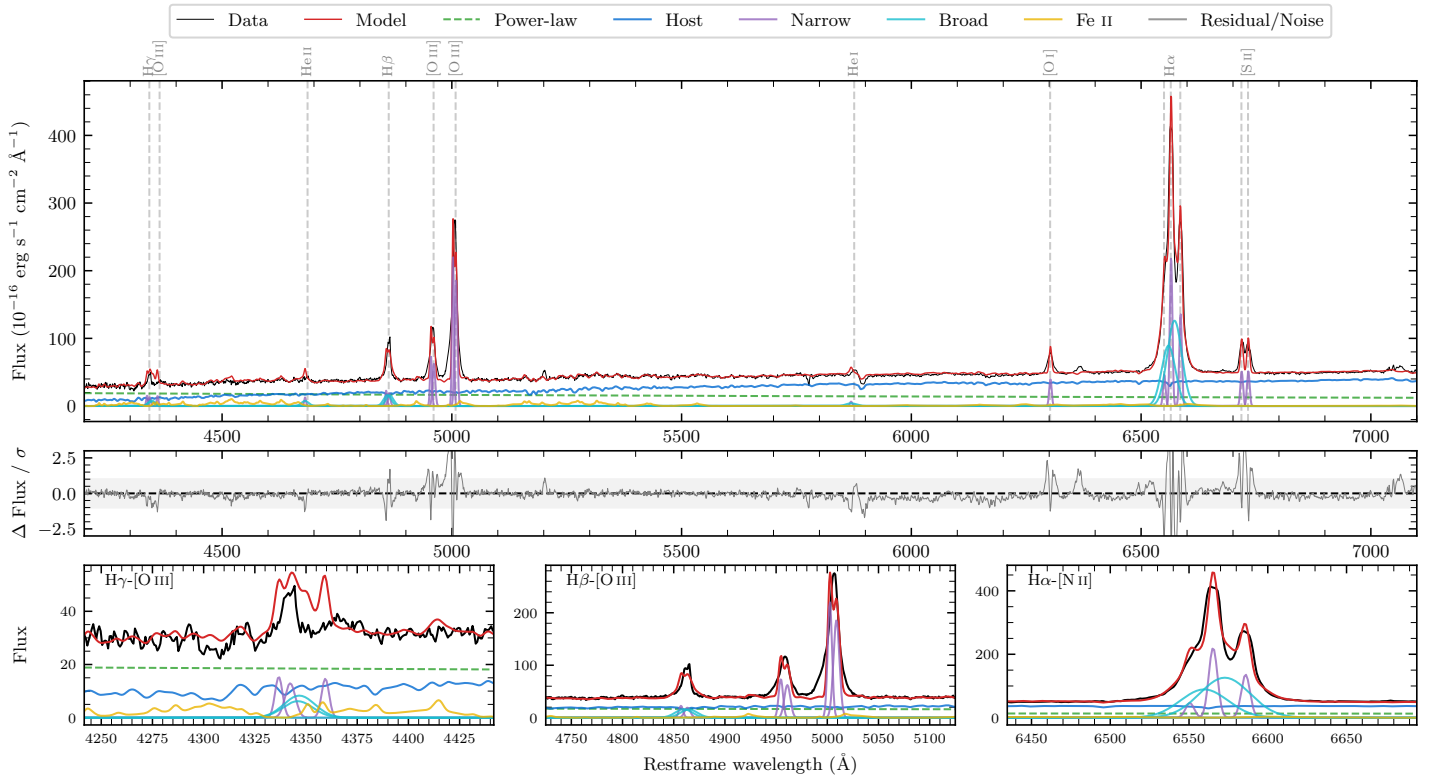
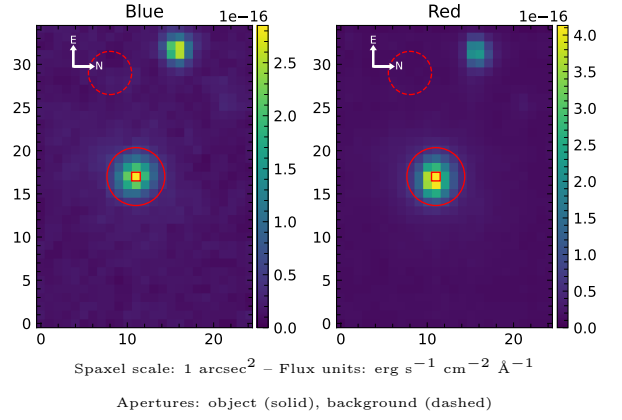


FRL 49

Spectrum ID	478272452_sp1	Spectrum type	Sy 1.8
Alt name	g1836582-592408	Quality flag	good
z	0.0201	AGN reference	6dFGS
RA, Dec	279.2428, -59.4023	MW $E(B - V)$	0.057
MJD	60082.65	Power law α_ν	-1.15 ± 0.64
SNR/ \AA B/R	3.5/7.5	$\log L_{5100, \text{AGN}}$	42.87 ± 0.12
Obs airmass	1.17	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.55 ± 0.12
SMSS ID	478272452	$\log M_{L5100}/M_\odot$	6.61 ± 0.07
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	6.96 ± 0.05
SMSS $\langle r_6'' \text{ ap} \rangle$	14.40 ± 0.03	$\log M_{\text{H}\beta}/M_\odot$	6.49 ± 0.08
2MASS K_{ext}	9.64 ± 0.01	$\log M_{[\text{O III}]} / M_\odot$	6.88 ± 0.05



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	40.16 ± 0.24	670 ± 122	266 ± 49	8.44 ± 2.04
Hγ Broad	40.47 ± 0.17	1224 ± 72	402 ± 25	15.04 ± 3.29
[O III] 4364	39.80 ± 0.32	302 ± 122	126 ± 51	3.74 ± 1.60
He II Narrow	39.76 ± 0.33	302 ± 122	126 ± 51	3.71 ± 1.35
He II Broad	40.17 ± 0.26	1193 ± 71	506 ± 29	8.79 ± 2.73
H β Narrow	40.36 ± 0.23	670 ± 122	266 ± 49	15.36 ± 1.84
Hβ Broad	40.81 ± 0.11	1250 ± 58	453 ± 28	40.05 ± 2.92
[O III] 5007	41.36 ± 0.04	670 ± 122	266 ± 49	157.99 ± 2.78
He I Narrow	39.57 ± 0.34	302 ± 122	126 ± 51	2.87 ± 1.07
He I Broad	40.03 ± 0.24	1321 ± 143	561 ± 60	8.13 ± 2.71
[O I] 6300	40.41 ± 0.14	302 ± 122	126 ± 51	20.14 ± 1.36
H α Narrow	41.17 ± 0.21	302 ± 122	126 ± 51	119.93 ± 2.63
Hα Broad	41.89 ± 0.06	1827 ± 77	685 ± 29	658.18 ± 4.39
[N II] 6585	40.94 ± 0.23	302 ± 122	126 ± 51	74.43 ± 2.20
[S II] 6718	40.51 ± 0.14	302 ± 122	126 ± 51	28.91 ± 1.56
[S II] 6732	40.55 ± 0.13	302 ± 122	126 ± 51	29.53 ± 1.77

Emission Summary

H α broad SNR	16.90
H β broad SNR	2.77
H γ broad SNR	1.41
AGN frac	0.43
Host frac	0.56
$\log L_{5100, \text{Host}}$	42.98
Fe II/H β	1.96
Fe II/[O III]	0.51

Quality Flags

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