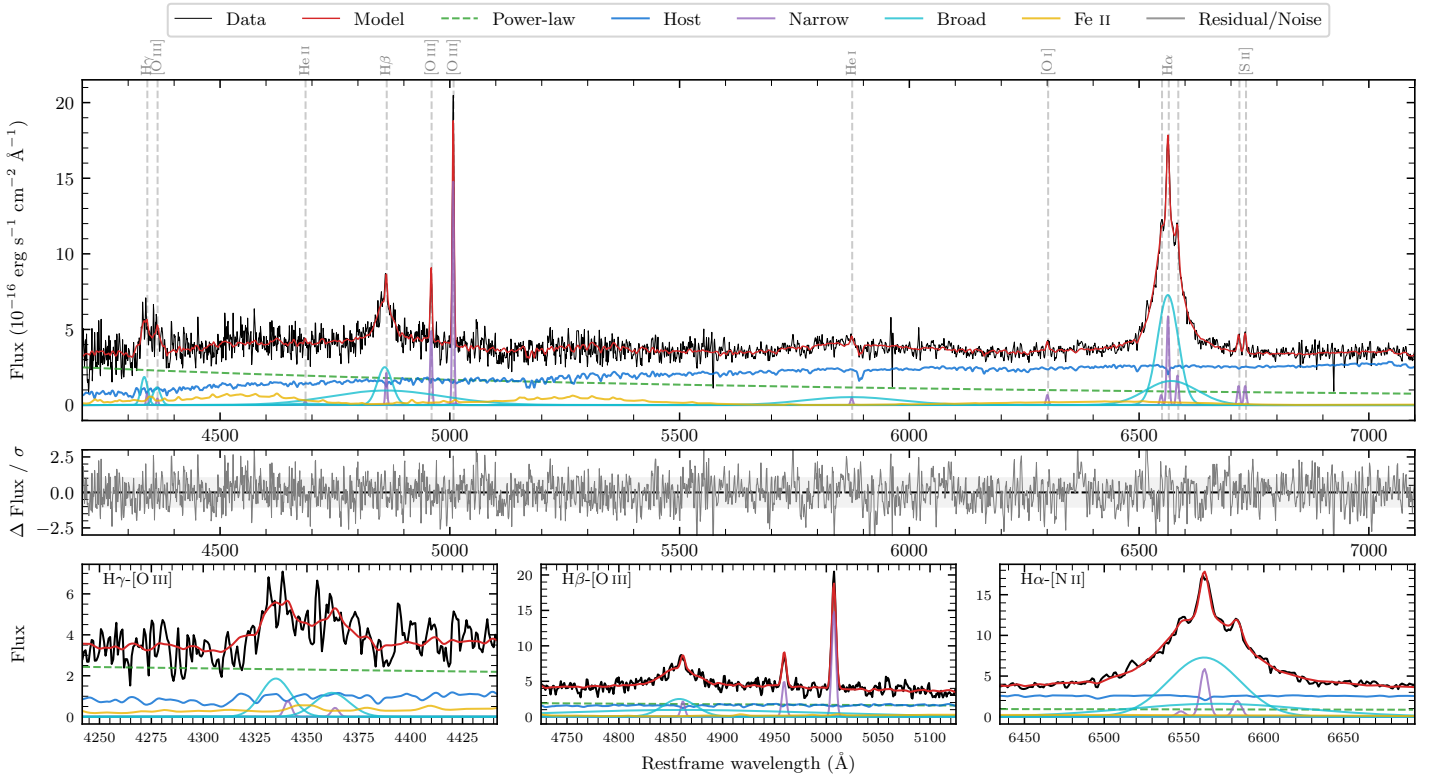
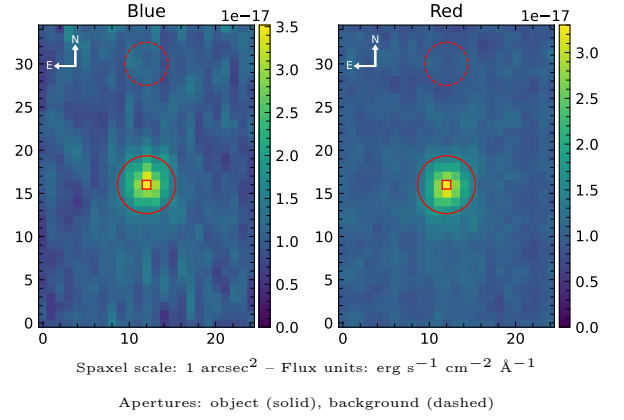


FRL 296

Spectrum ID	499699954_sp2	Spectrum type	Sy 1.5
Alt name	g0225090-631326	Quality flag	good
z	0.0569	AGN reference	6dFGS
RA, Dec	36.2876, -63.2240	MW $E(B - V)$	0.020
MJD	60170.79	Power law α_ν	0.28 ± 0.17
SNR/ \AA B/R	6.9/13.1	$\log L_{5100, \text{AGN}}$	42.81 ± 0.04
Obs airmass	1.18	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.11 ± 0.32
SMSS ID	499699954	$\log M_{L5100}/M_\odot$	7.12 ± 0.04
Neighbour	None $< 15''$	$\log M_{H\alpha}/M_\odot$	7.20 ± 0.03
SMSS $\langle r_6'' \text{ ap} \rangle$	15.41 ± 0.21	$\log M_{H\beta}/M_\odot$	7.08 ± 0.16
2MASS K_{ext}	11.65 ± 0.08	$\log M_{[\text{O III}]} / M_\odot$	7.15 ± 0.04



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	39.47 ± 0.29	290 ± 63	152 ± 36	1.61 ± 1.40
Hγ Broad	40.69 ± 0.06	—	1016 ± 38	26.72 ± 1.75
[O III] 4364	39.20 ± 0.41	288 ± 63	122 ± 25	0.90 ± 0.60
He II Narrow	39.07 ± 0.40	288 ± 63	122 ± 25	0.78 ± 0.64
He II Broad	—	—	—	—
H β Narrow	39.96 ± 0.09	290 ± 63	153 ± 36	6.55 ± 1.34
Hβ Broad	$40.92^{+0.59}_{-0.03}$	2326 ± 63	867 ± 31	59.50 ± 1.99
[O III] 5007	40.81 ± 0.02	290 ± 63	153 ± 36	49.61 ± 1.54
He I Narrow	39.39 ± 0.15	288 ± 63	122 ± 25	2.72 ± 0.59
He I Broad	41.05 ± 0.04	12286 ± 107	5217 ± 45	123.51 ± 5.04
[O I] 6300	39.55 ± 0.09	288 ± 63	122 ± 25	4.65 ± 0.71
H α Narrow	40.51 ± 0.02	288 ± 63	122 ± 25	46.16 ± 1.12
Hα Broad	41.72 ± 0.01	2698 ± 69	1237 ± 27	744.16 ± 4.07
[N II] 6585	40.03 ± 0.05	288 ± 63	122 ± 25	15.51 ± 0.99
[S II] 6718	39.86 ± 0.05	288 ± 63	122 ± 25	10.80 ± 0.82
[S II] 6732	39.85 ± 0.05	288 ± 63	122 ± 25	10.77 ± 0.81

Emission Summary

H α broad SNR	15.92
H β broad SNR	4.51
H γ broad SNR	3.38
AGN frac	0.51
Host frac	0.49
$\log L_{5100, \text{Host}}$	42.79
Fe II/H β	—
Fe II/[O III]	—

Quality Flags

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