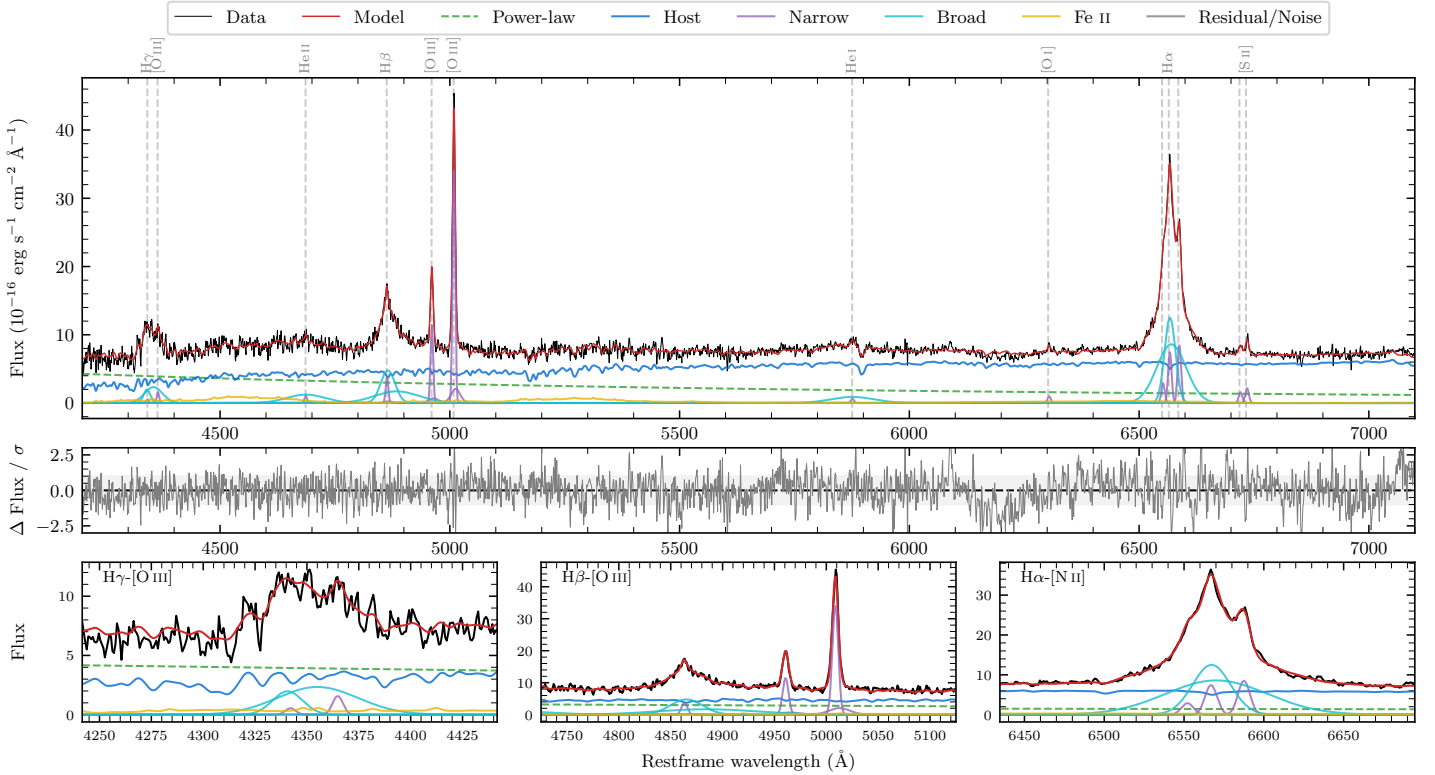
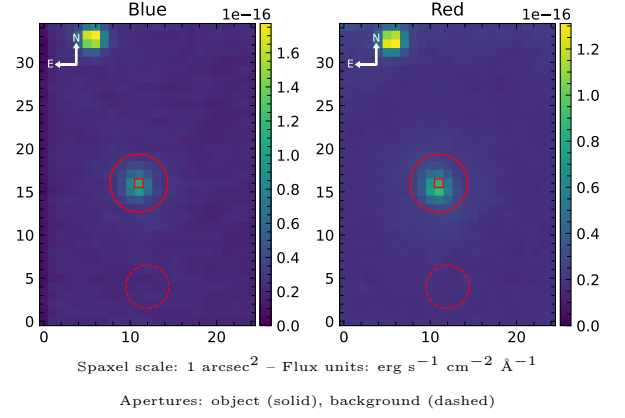


LEDA 965758

Spectrum ID	92169269_sp2	Spectrum type	Sy 1.5
Alt name	g1037038-112625	Quality flag	good
z	0.0517	AGN reference	6dFGS
RA, Dec	159.2657, -11.4401	MW $E(B-V)$	0.040
MJD	61124.68	Power law α_ν	0.45 ± 0.05
SNR/ \AA B/R	11.3/19.9	$\log L_{5100, \text{AGN}}$	42.93 ± 0.01
Obs airmass	1.84	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.12 ± 0.02
SMSS ID	92169269	$\log M_{L5100}/M_\odot$	7.32 ± 0.04
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	6.90 ± 0.04
SMSS $\langle r_6''_{\text{ap}} \rangle$	16.38 ± 0.27	$\log M_{\text{H}\beta}/M_\odot$	7.45 ± 0.05
2MASS K_{ext}	12.28 ± 0.07	$\log M_{[\text{O III}]} / M_\odot$	7.54 ± 0.04



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	39.43 ± 0.40	421 ± 63	308 ± 28	1.09 ± 1.00
Hγ Broad	40.99 ± 0.04	2519 ± 422	991 ± 51	40.28 ± 1.70
[O III] 4364	39.81 ± 0.17	406 ± 63	171 ± 25	2.65 ± 0.58
He II Narrow	39.68 ± 0.17	406 ± 63	171 ± 25	2.30 ± 0.59
He II Broad	40.93 ± 0.04	6246 ± 108	2652 ± 45	41.45 ± 2.31
H β Narrow	40.33 ± 0.06	421 ± 63	309 ± 28	11.24 ± 1.09
Hβ Broad	41.42 ± 0.02	2754 ± 116	1595 ± 60	139.35 ± 2.60
[O III] 5007	41.30 ± 0.01	421 ± 63	309 ± 28	112.78 ± 1.22
He I Narrow	39.56 ± 0.14	406 ± 63	171 ± 25	3.09 ± 0.61
He I Broad	40.85 ± 0.03	5617 ± 125	2385 ± 52	58.99 ± 2.48
[O I] 6300	39.78 ± 0.07	406 ± 63	171 ± 25	6.00 ± 0.66
H α Narrow	40.67 ± 0.03	406 ± 63	171 ± 25	51.38 ± 1.13
Hα Broad	41.85 ± 0.01	1762 ± 79	931 ± 25	779.01 ± 2.71
[N II] 6585	40.73 ± 0.02	406 ± 63	171 ± 25	59.35 ± 1.06
[S II] 6718	40.00 ± 0.06	406 ± 63	171 ± 25	11.79 ± 0.93
[S II] 6732	40.15 ± 0.03	406 ± 63	171 ± 25	16.46 ± 0.94

Emission Summary

H α broad SNR	29.01
H β broad SNR	8.78
H γ broad SNR	5.25
AGN frac	0.37
Host frac	0.63
$\log L_{5100, \text{Host}}$	43.16
Fe II/H β	0.51
Fe II/[O III]	0.68

Quality Flags

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