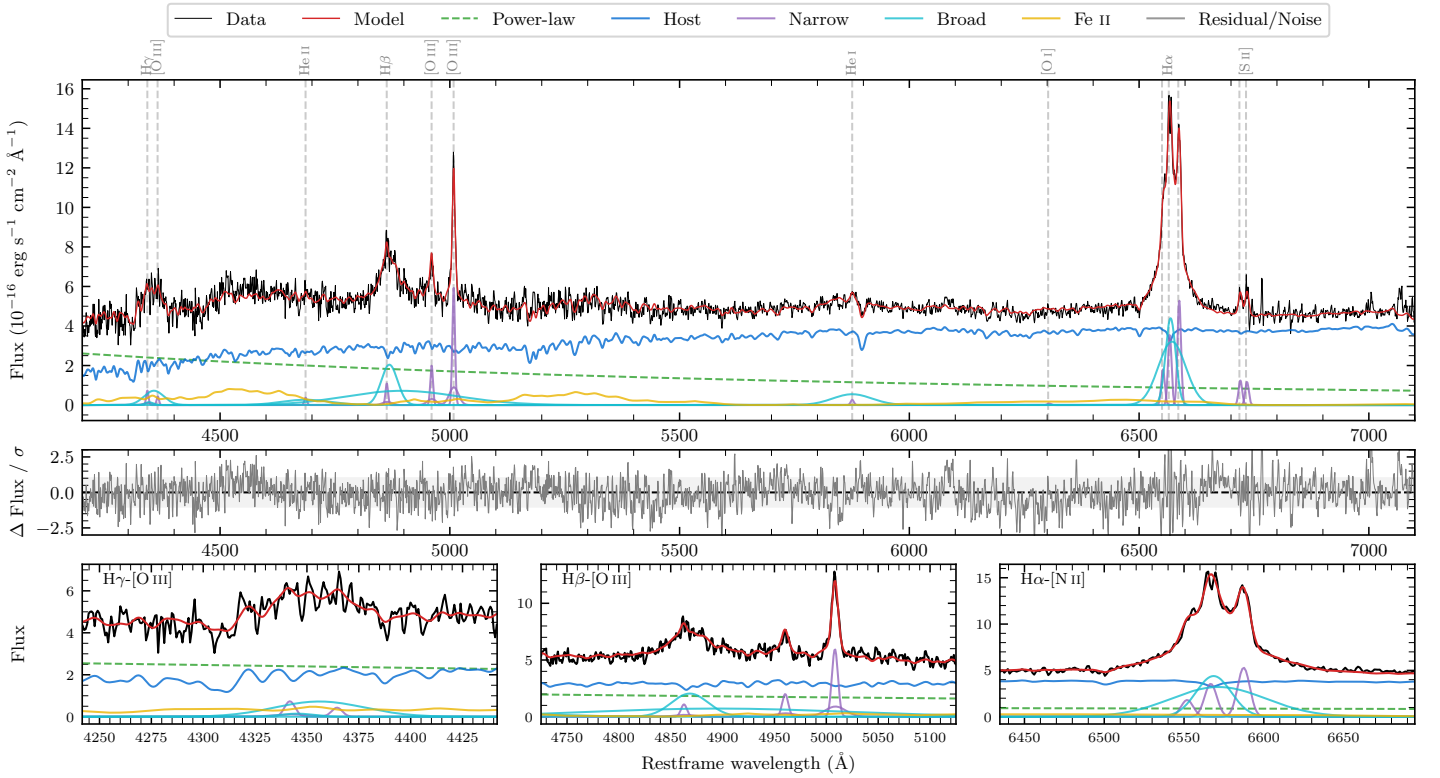
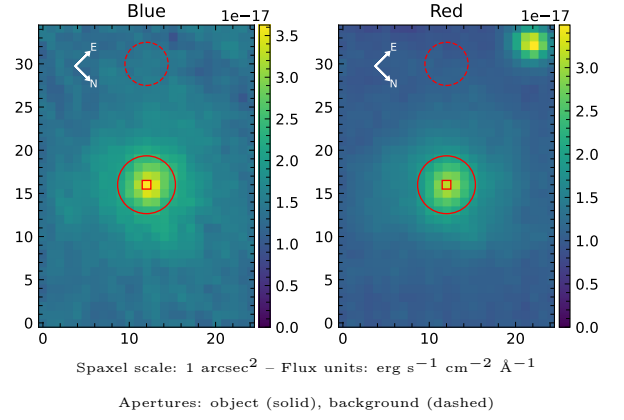


MCG-02-59-006

Spectrum ID	7833259_sp1	Spectrum type	Sy 1.5
Alt name	g2313572-113019	Quality flag	good
z	0.0756	AGN reference	6dFGS
RA, Dec	348.4881, -11.5052	MW $E(B-V)$	0.031
MJD	60178.59	Power law α_ν	0.43 ± 0.06
SNR/ \AA B/R	13.7/21.9	$\log L_{5100, \text{AGN}}$	43.06 ± 0.03
Obs airmass	1.11	$\log H\beta_{\text{Br}}/[O\text{III}]$	0.14 ± 0.29
SMSS ID	7833259	$\log M_{L5100}/M_\odot$	7.32 ± 0.03
Neighbour	None $< 15''$	$\log M_{H\alpha}/M_\odot$	6.78 ± 0.04
SMSS $\langle r_6 \rangle_{\text{ap}}$	16.73 ± 0.07	$\log M_{H\beta}/M_\odot$	7.26 ± 0.14
2MASS K_{ext}	11.88 ± 0.08	$\log M_{[O\text{III}]} / M_\odot$	7.33 ± 0.03



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	40.03 ± 0.17	454 ± 64	376 ± 35	3.17 ± 0.88
Hγ Broad	40.81 ± 0.07	3279 ± 273	1177 ± 43	19.04 ± 1.43
[O III] 4364	39.61 ± 0.29	413 ± 63	175 ± 25	1.24 ± 0.48
He II Narrow	39.59 ± 0.25	413 ± 63	175 ± 25	1.39 ± 0.49
He II Broad	—	—	—	—
H β Narrow	40.25 ± 0.10	454 ± 64	377 ± 35	6.93 ± 1.07
Hβ Broad	$41.13^{+0.54}_{-0.03}$	2571 ± 48	940 ± 26	53.61 ± 1.51
[O III] 5007	41.00 ± 0.02	454 ± 64	377 ± 35	41.90 ± 1.19
He I Narrow	39.54 ± 0.19	413 ± 63	175 ± 25	2.15 ± 0.66
He I Broad	40.95 ± 0.03	5116 ± 71	2172 ± 29	54.73 ± 2.23
[O I] 6300	39.07 ± 0.40	413 ± 63	175 ± 25	0.86 ± 0.65
H α Narrow	40.71 ± 0.03	413 ± 63	175 ± 25	41.80 ± 0.98
Hα Broad	41.73 ± 0.01	1655 ± 70	869 ± 25	440.90 ± 2.39
[N II] 6585	40.88 ± 0.02	413 ± 63	175 ± 25	62.77 ± 0.93
[S II] 6718	40.27 ± 0.04	413 ± 63	175 ± 25	15.83 ± 0.97
[S II] 6732	40.24 ± 0.06	413 ± 63	175 ± 25	14.98 ± 1.13

Emission Summary

H α broad SNR	19.84
H β broad SNR	5.34
H γ broad SNR	2.25
AGN frac	0.36
Host frac	0.64
$\log L_{5100, \text{Host}}$	43.32
Fe II/H β	—
Fe II/[O III]	—

Quality Flags

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