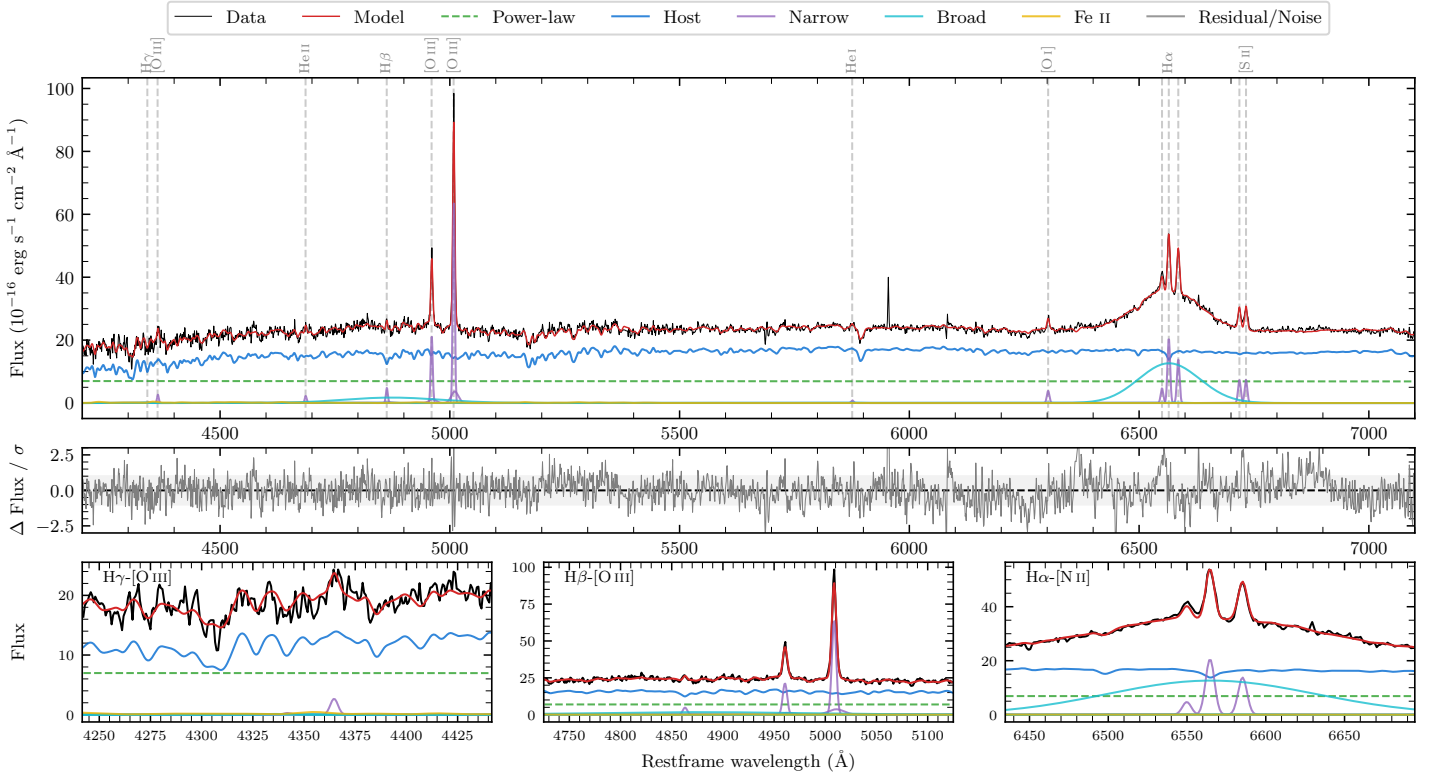
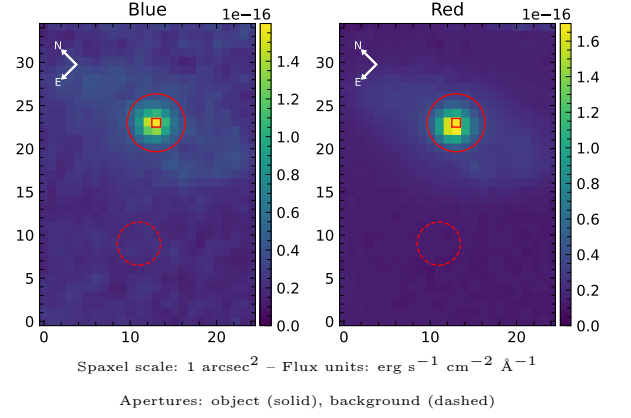


MCG-02-12-050

Spectrum ID	24525193_sp1	Spectrum type	Sy 1.5
Alt name	g0438142-104745	Quality flag	good
z	0.0362	AGN reference	6dFGS
RA, Dec	69.5591, -10.7958	MW $E(B-V)$	0.060
MJD	60589.71	Power law α_ν	-1.97 ± 0.03
SNR/ \AA B/R	17.5/35.6	$\log L_{5100, \text{AGN}}$	43.03 ± 0.02
Obs airmass	1.08	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.05 ± 0.04
SMSS ID	24525193	$\log M_{L5100}/M_\odot$	8.81 ± 0.04
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	8.10 ± 0.01
SMSS $\langle r_6''_{\text{ap}} \rangle$	15.22 ± 0.03	$\log M_{\text{H}\beta}/M_\odot$	8.78 ± 0.05
2MASS K_{ext}	11.15 ± 0.05	$\log M_{[\text{O III}]} / M_\odot$	8.89 ± 0.04



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	—	—	—	—
Hγ Broad	—	—	—	—
[O III] 4364	39.60 ± 0.19	306 ± 62	129 ± 25	1.87 ± 0.49
He II Narrow	39.56 ± 0.19	306 ± 62	129 ± 25	1.70 ± 0.42
He II Broad	—	—	—	—
H β Narrow	39.98 ± 0.08	317 ± 63	228 ± 28	4.57 ± 0.67
Hβ Broad	41.16 ± 0.04	14534 ± 588	5595 ± 30	68.25 ± 2.91
[O III] 5007	41.11 ± 0.01	317 ± 63	228 ± 28	61.95 ± 0.76
He I Narrow	39.24 ± 0.25	306 ± 62	129 ± 25	0.83 ± 0.24
He I Broad	—	—	—	—
[O I] 6300	39.92 ± 0.05	306 ± 62	129 ± 25	3.96 ± 0.25
H α Narrow	40.66 ± 0.01	306 ± 62	129 ± 25	21.99 ± 0.30
Hα Broad	41.82 ± 0.01	7075 ± 80	2647 ± 25	316.66 ± 1.36
[N II] 6585	40.49 ± 0.02	306 ± 62	129 ± 25	14.76 ± 0.32
[S II] 6718	40.22 ± 0.03	306 ± 62	129 ± 25	7.97 ± 0.28
[S II] 6732	40.23 ± 0.03	306 ± 62	129 ± 25	8.09 ± 0.28

Emission Summary

H α broad SNR	9.83
H β broad SNR	1.45
H γ broad SNR	0.00
AGN frac	0.32
Host frac	0.68
$\log L_{5100, \text{Host}}$	43.36
Fe II/H β	0.13
Fe II/[O III]	0.14

Quality Flags

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