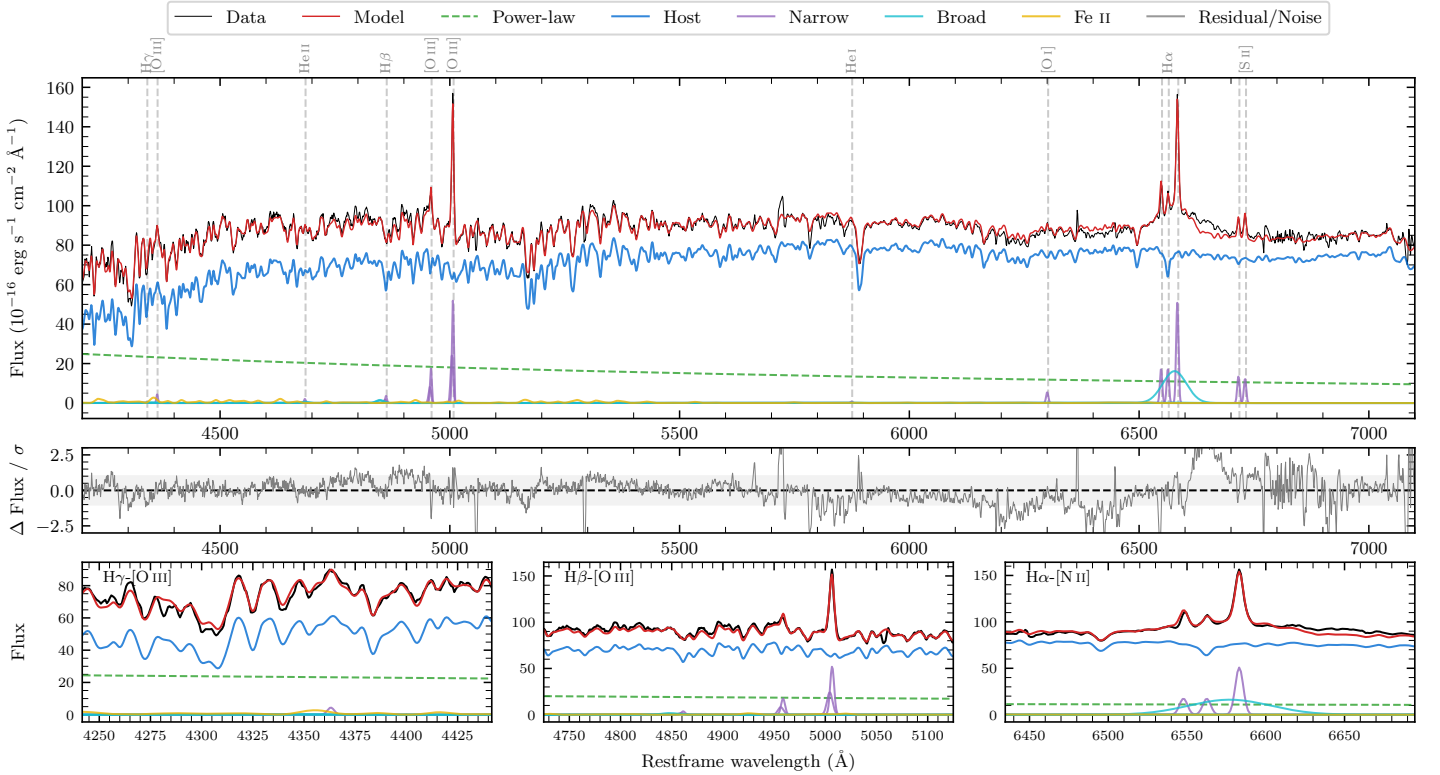
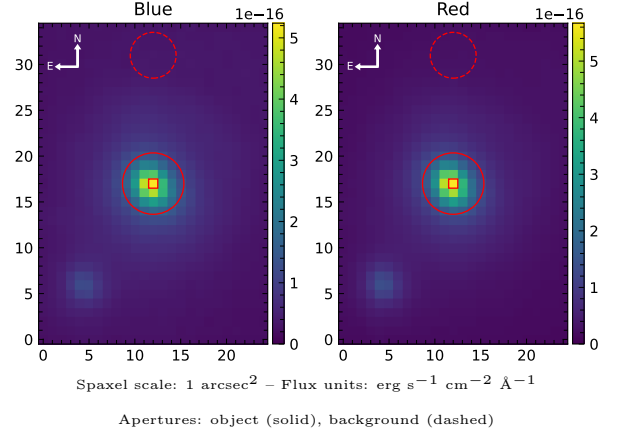


MCG-04-09-052

Spectrum ID	20851826_sp1	Spectrum type	Sy 1.8
Alt name	g0342037-211440	Quality flag	good
z	0.0142	AGN reference	6dFGS
RA, Dec	55.5156, -21.2446	MW $E(B-V)$	0.027
MJD	60260.53	Power law α_ν	-0.17 ± 0.11
SNR/ \AA B/R	30.5/48.7	$\log L_{5100, \text{AGN}}$	42.62 ± 0.03
Obs airmass	1.10	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.80 ± 0.14
SMSS ID	20851826	$\log M_{L5100}/M_\odot$	6.46 ± 0.04
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	6.60 ± 0.06
SMSS $\langle r_6''_{\text{ap}} \rangle$	13.81 ± 0.12	$\log M_{\text{H}\beta}/M_\odot$	5.85 ± 0.11
2MASS K_{ext}	8.61 ± 0.03	$\log M_{[\text{O III}]} / M_\odot$	6.32 ± 0.06



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	38.95 ± 0.26	274 ± 62	116 ± 25	0.81 ± 0.30
He II Narrow	38.65 ± 0.37	274 ± 62	116 ± 25	0.47 ± 0.28
He II Broad	38.82 ± 0.47	1178 ± 62	500 ± 25	0.68 ± 0.58
H β Narrow	39.13 ± 0.19	326 ± 63	151 ± 25	1.51 ± 0.34
Hβ Broad	39.50 ± 0.14	1184 ± 25	315 ± 25	3.00 ± 0.63
[O III] 5007	40.30 ± 0.01	326 ± 63	151 ± 25	23.48 ± 0.40
He I Narrow	—	—	—	—
He I Broad	—	—	—	—
[O I] 6300	39.20 ± 0.10	274 ± 62	116 ± 25	2.86 ± 0.40
H α Narrow	39.72 ± 0.04	274 ± 62	116 ± 25	10.12 ± 0.41
Hα Broad	40.71 ± 0.01	2765 ± 64	1006 ± 25	98.34 ± 1.30
[N II] 6585	40.19 ± 0.01	274 ± 62	116 ± 25	30.10 ± 0.44
[S II] 6718	39.62 ± 0.04	274 ± 62	116 ± 25	8.40 ± 0.40
[S II] 6732	39.58 ± 0.04	274 ± 62	116 ± 25	7.74 ± 0.44

Emission Summary

H α broad SNR	5.78
H β broad SNR	1.13
H γ broad SNR	0.00
AGN frac	0.21
Host frac	0.79
$\log L_{5100, \text{Host}}$	43.20
Fe II/H β	4.70
Fe II/[O III]	0.64

Quality Flags

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