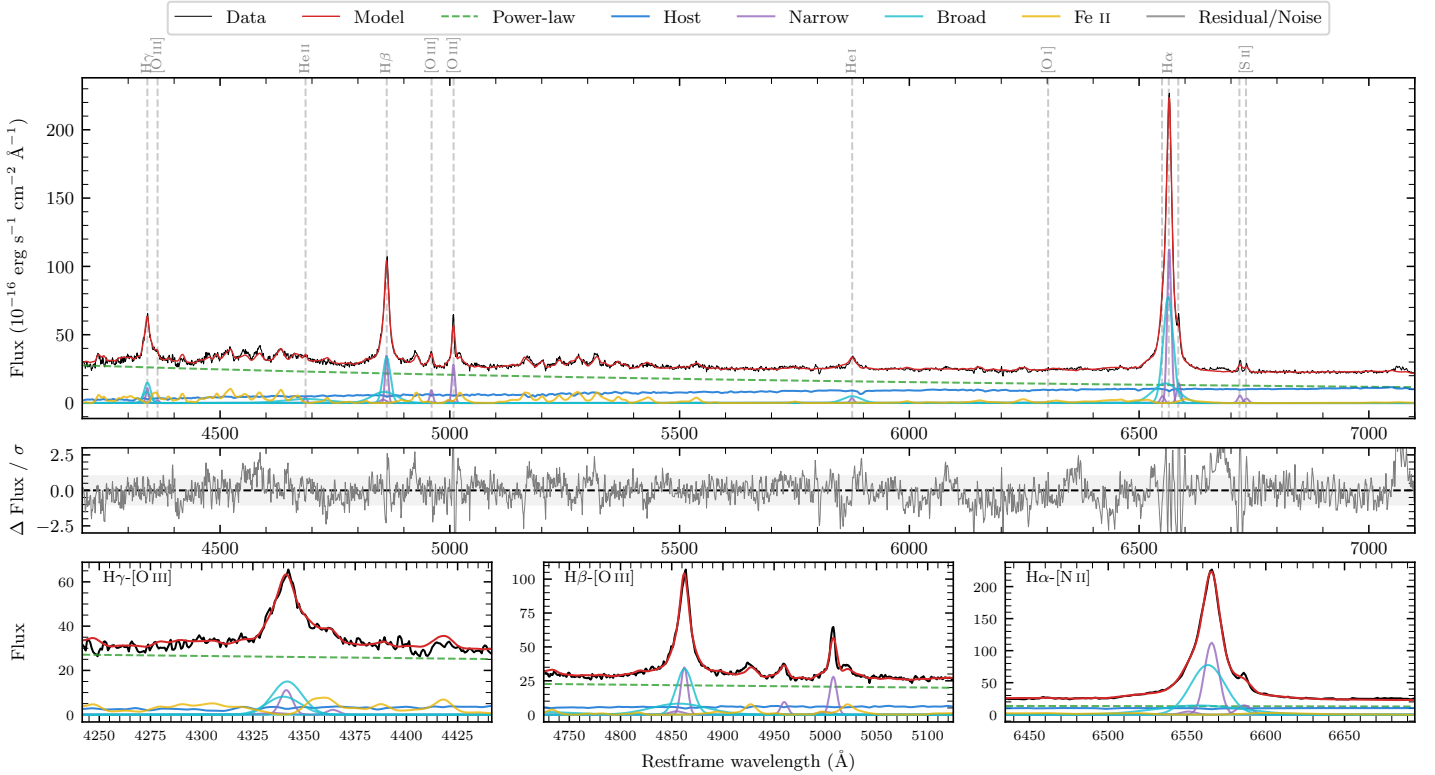
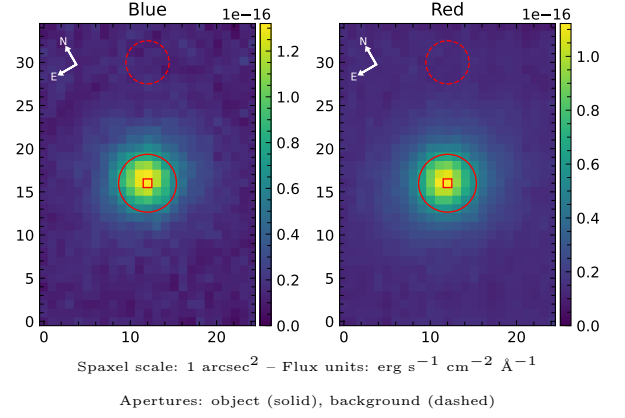


MCG-02-07-024

Spectrum ID	15344896_sp1	Spectrum type	Sy 1.2
Alt name	g0230055-085953	Quality flag	good
z	0.0162	AGN reference	6dFGS
RA, Dec	37.5230, -8.9981	MW $E(B-V)$	0.029
MJD	60179.77	Power law α_ν	-0.35 ± 0.09
SNR/ \AA B/R	16.5/25.6	$\log L_{5100, \text{AGN}}$	42.77 ± 0.01
Obs airmass	1.08	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.65 ± 0.02
SMSS ID	15344896	$\log M_{L5100}/M_\odot$	6.64 ± 0.03
Neighbour	7.3", 2027599306	$\log M_{\text{H}\alpha}/M_\odot$	6.29 ± 0.05
SMSS $\langle r_6''_{\text{ap}} \rangle$	14.32 ± 0.10	$\log M_{\text{H}\beta}/M_\odot$	6.59 ± 0.05
2MASS K_{ext}	10.47 ± 0.03	$\log M_{[\text{O III}]} / M_\odot$	6.40 ± 0.06



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	39.75 ± 0.11	506 ± 63	288 ± 35	3.75 ± 0.36
Hγ Broad	40.42 ± 0.03	1248 ± 75	467 ± 28	17.21 ± 0.43
[O III] 4364	39.00 ± 0.24	491 ± 63	208 ± 25	0.66 ± 0.25
He II Narrow	39.33 ± 0.10	491 ± 63	208 ± 25	1.59 ± 0.22
He II Broad	40.34 ± 0.04	7450 ± 107	3164 ± 45	16.33 ± 0.91
H β Narrow	40.30 ± 0.04	506 ± 63	288 ± 35	15.87 ± 0.41
Hβ Broad	40.87 ± 0.01	1362 ± 35	785 ± 35	58.38 ± 0.70
[O III] 5007	40.21 ± 0.02	506 ± 63	288 ± 35	13.75 ± 0.33
He I Narrow	39.34 ± 0.08	491 ± 63	208 ± 25	2.36 ± 0.27
He I Broad	40.17 ± 0.03	2415 ± 91	1026 ± 38	16.11 ± 0.55
[O I] 6300	—	—	—	—
H α Narrow	40.88 ± 0.01	491 ± 63	208 ± 25	98.84 ± 0.40
Hα Broad	41.27 ± 0.01	1301 ± 63	597 ± 25	240.89 ± 0.67
[N II] 6585	39.99 ± 0.02	491 ± 63	208 ± 25	12.95 ± 0.32
[S II] 6718	39.57 ± 0.03	491 ± 63	208 ± 25	5.09 ± 0.25
[S II] 6732	39.38 ± 0.05	491 ± 63	208 ± 25	3.23 ± 0.25

Emission Summary

H α broad SNR	49.24
H β broad SNR	22.42
H γ broad SNR	12.43
AGN frac	0.77
Host frac	0.23
$\log L_{5100, \text{Host}}$	42.24
Fe II/H β	1.17
Fe II/[O III]	5.23

Quality Flags

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