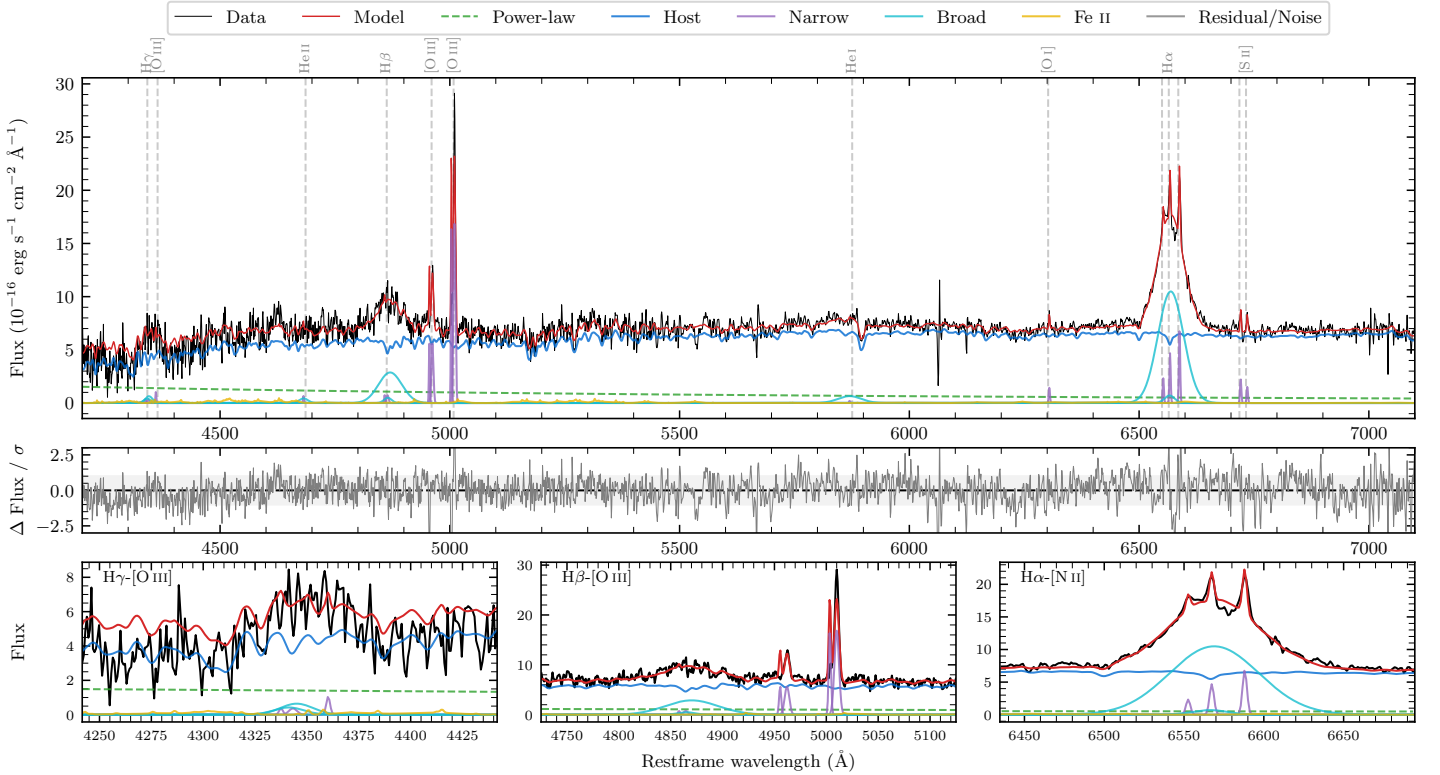
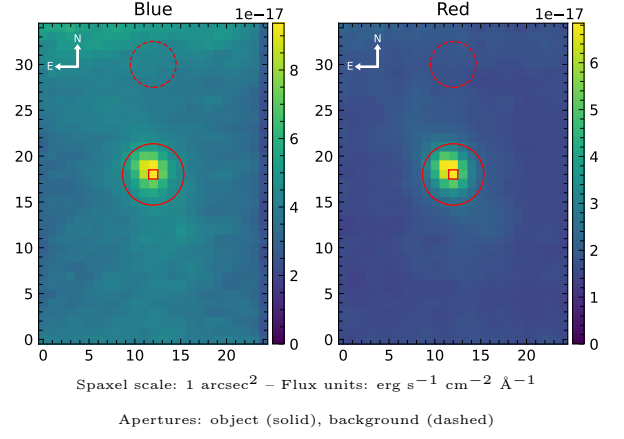


ESO 552-39

Spectrum ID	22635196_sp1	Spectrum type	Sy 1.5
Alt name	g0458403-215931	Quality flag	good
z	0.0398	AGN reference	6dFGS
RA, Dec	74.6680, -21.9919	MW $E(B-V)$	0.033
MJD	60262.49	Power law α_ν	0.44 ± 0.06
SNR/ \AA B/R	6.9/16.9	$\log L_{5100, \text{AGN}}$	42.24 ± 0.10
Obs airmass	1.61	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.15 ± 0.04
SMSS ID	22635196	$\log M_{L5100}/M_\odot$	7.18 ± 0.10
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	7.09 ± 0.03
SMSS $\langle r_6''_{\text{ap}} \rangle$	16.08 ± 0.02	$\log M_{\text{H}\beta}/M_\odot$	7.35 ± 0.09
2MASS K_{ext}	12.08 ± 0.10	$\log M_{[\text{O III}]} / M_\odot$	7.40 ± 0.09



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	–	–	–	–
Hγ Broad	39.98 ± 0.19	1277 ± 69	453 ± 25	15.09 ± 4.41
[O III] 4364	38.96 ± 0.40	153 ± 63	63 ± 25	1.81 ± 1.44
He II Narrow	38.78 ± 0.45	153 ± 63	63 ± 25	1.45 ± 1.32
He II Broad	39.60 ± 0.32	1427 ± 63	606 ± 25	9.36 ± 4.22
H β Narrow	39.34 ± 0.35	–	219 ± 25	5.72 ± 2.09
Hβ Broad	40.86 ± 0.03	3269 ± 307	1296 ± 33	188.43 ± 7.09
[O III] 5007	40.72 ± 0.02	–	219 ± 25	145.32 ± 2.56
He I Narrow	–	–	–	–
He I Broad	40.19 ± 0.07	3023 ± 63	1284 ± 25	63.25 ± 5.37
[O I] 6300	39.25 ± 0.13	153 ± 63	63 ± 25	8.81 ± 1.39
H α Narrow	39.78 ± 0.05	153 ± 63	63 ± 25	32.96 ± 1.82
Hα Broad	41.45 ± 0.01	2874 ± 86	1102 ± 25	1533.28 ± 7.87
[N II] 6585	39.95 ± 0.03	153 ± 63	63 ± 25	48.49 ± 1.74
[S II] 6718	39.48 ± 0.06	153 ± 63	63 ± 25	17.26 ± 1.65
[S II] 6732	39.30 ± 0.13	153 ± 63	63 ± 25	11.66 ± 1.58

Emission Summary

H α broad SNR	11.58
H β broad SNR	3.51
H γ broad SNR	1.36
AGN frac	0.15
Host frac	0.86
$\log L_{5100, \text{Host}}$	43.01
Fe II/H β	0.24
Fe II/[O III]	0.34

Quality Flags

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