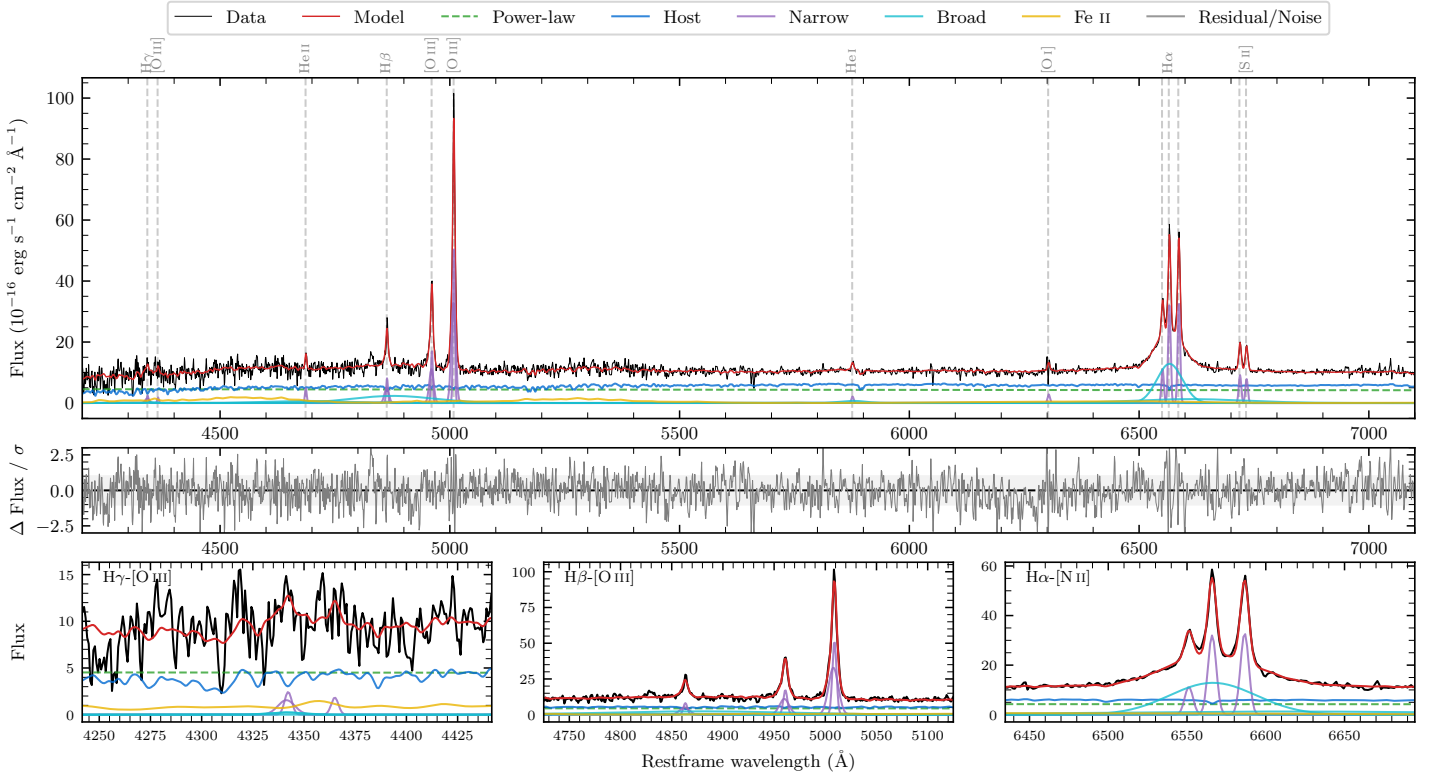
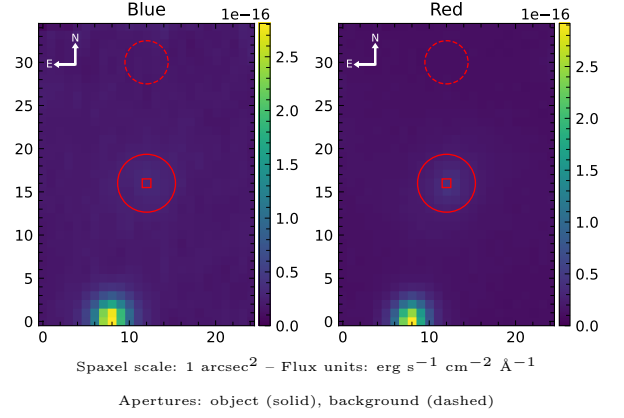


ESO 164–1

Spectrum ID	468113775_sp1	Spectrum type	Sy 1.8+
Alt name	g0800312–532142	Quality flag	good
z	0.0418	AGN reference	6dFGS
RA, Dec	120.1300, –53.3618	MW $E(B - V)$	0.345
MJD	61009.7	Power law α_ν	-1.85 ± 0.15
SNR/Å B/R	7.6/15.7	$\log L_{5100, \text{AGN}}$	42.97 ± 0.03
Obs airmass	1.09	$\log H\beta_{\text{Br}}/[\text{O III}]$	< -0.87
SMSS ID	468113775	$\log M_{L5100}/M_\odot$	–
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	7.34 ± 0.02
SMSS $\langle r_6''_{\text{ap}} \rangle$	16.85 ± 0.07	$\log M_{\text{H}\beta}/M_\odot$	–
2MASS K_{ext}	11.24 ± 0.07	$\log M_{[\text{O III}]} / M_\odot$	–



Emission Line Measurements

Line	$\log L$ (erg s $^{-1}$)	FWHM (km s $^{-1}$)	σ (km s $^{-1}$)	EW (Å)
H γ Narrow	40.06 ± 0.15	382 ± 63	236 ± 25	6.20 ± 1.32
Hγ Broad	–	–	–	–
[O III] 4364	39.54 ± 0.28	288 ± 63	121 ± 25	1.87 ± 0.84
He II Narrow	40.00 ± 0.09	288 ± 63	121 ± 25	5.46 ± 0.73
He II Broad	–	–	–	–
H β Narrow	40.63 ± 0.03	382 ± 63	236 ± 25	23.56 ± 1.06
Hβ Broad	< 40.58	–	–	–
[O III] 5007	41.45 ± 0.01	382 ± 63	236 ± 25	154.30 ± 1.15
He I Narrow	39.74 ± 0.10	288 ± 63	121 ± 25	3.07 ± 0.37
He I Broad	40.34 ± 0.09	3400 ± 69	1443 ± 28	12.33 ± 1.38
[O I] 6300	39.89 ± 0.09	288 ± 63	121 ± 25	4.43 ± 0.55
H α Narrow	40.96 ± 0.01	288 ± 63	121 ± 25	52.17 ± 0.57
Hα Broad	41.74 ± 0.01	3149 ± 69	1733 ± 49	313.64 ± 3.00
[N II] 6585	40.97 ± 0.01	288 ± 63	121 ± 25	53.75 ± 0.58
[S II] 6718	40.43 ± 0.02	288 ± 63	121 ± 25	15.34 ± 0.41
[S II] 6732	40.36 ± 0.02	288 ± 63	121 ± 25	13.21 ± 0.42

Emission Summary

H α broad SNR	9.95
H β broad SNR	0.22
H γ broad SNR	0.00
AGN frac	0.47
Host frac	0.53
$\log L_{5100, \text{Host}}$	43.02
Fe II/H β	–
Fe II/[O III]	–

Quality Flags

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