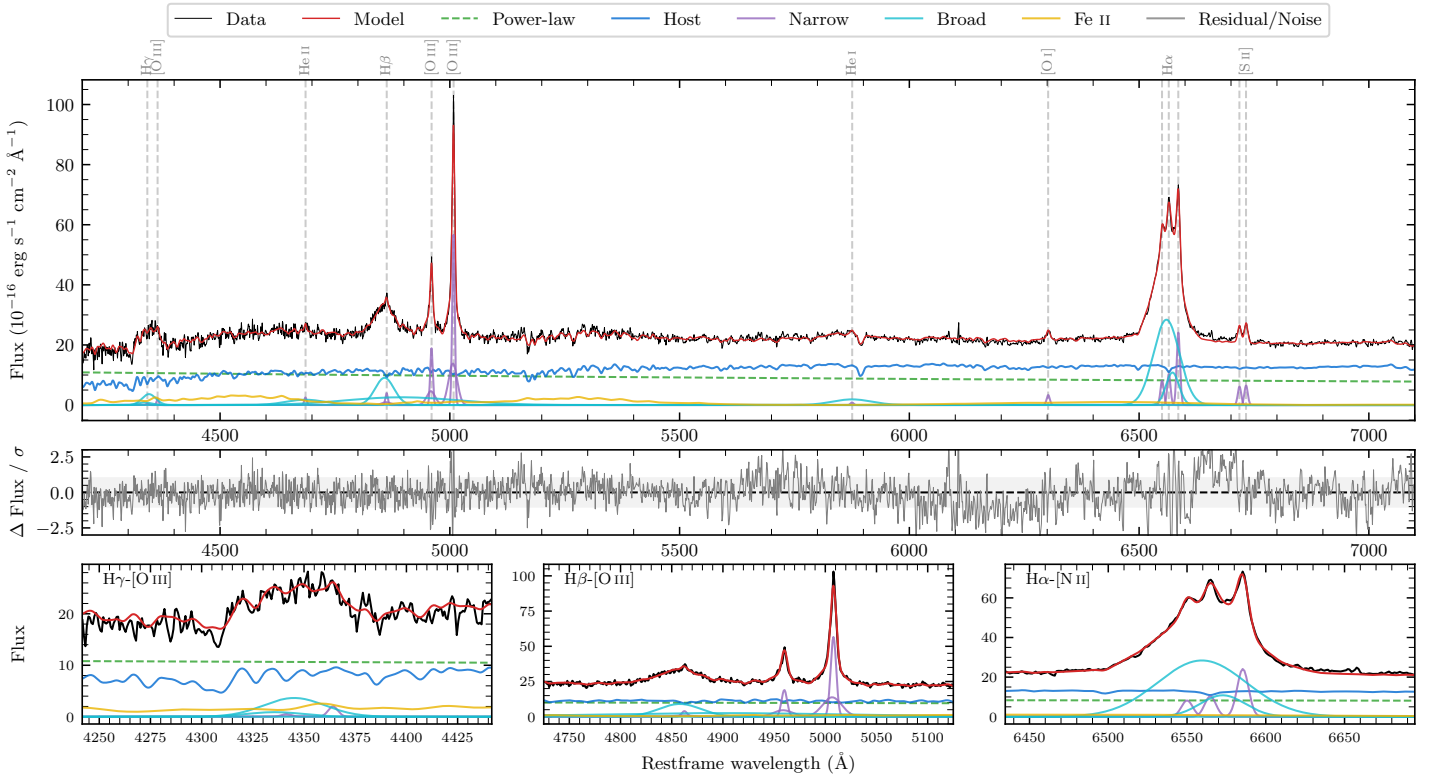
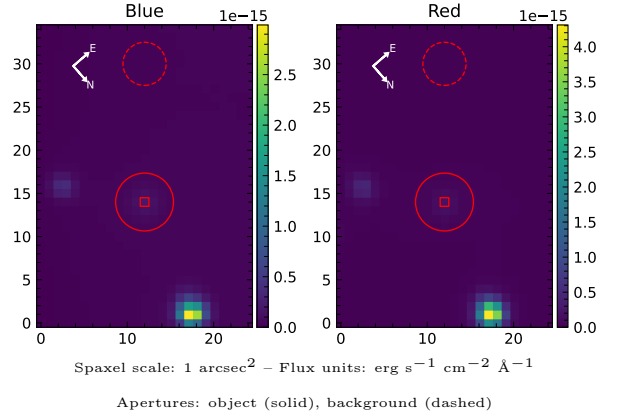


IRAS 12074–4619

Spectrum ID	321253823_sp1	Spectrum type	Sy 1.5
Alt name	g1210040–463627	Quality flag	good
z	0.0315	AGN reference	6dFGS
RA, Dec	182.5169, –46.6075	MW $E(B - V)$	0.103
MJD	59434.36	Power law α_ν	-1.37 ± 0.17
SNR/ \AA B/R	16.5/35.7	$\log L_{5100, \text{AGN}}$	43.05 ± 0.02
Obs airmass	1.36	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.18 ± 0.23
SMSS ID	321253823	$\log M_{L5100}/M_\odot$	7.45 ± 0.03
Neighbour	8.6", 2477003903	$\log M_{H\alpha}/M_\odot$	7.22 ± 0.02
SMSS $\langle r_6 \rangle_{\text{ap}}$	15.59 ± 0.03	$\log M_{H\beta}/M_\odot$	7.35 ± 0.12
2MASS K_{ext}	10.99 ± 0.06	$\log M_{[\text{O III}]} / M_\odot$	7.57 ± 0.02



Emission Line Measurements

Line	$\log L$ (erg s $^{-1}$)	FWHM (km s $^{-1}$)	σ (km s $^{-1}$)	EW (Å)
H γ Narrow	–	–	–	–
Hγ Broad	40.61 ± 0.06	2470 ± 90	926 ± 32	16.23 ± 1.10
[O III] 4364	39.45 ± 0.26	388 ± 63	164 ± 25	1.16 ± 0.41
He II Narrow	39.59 ± 0.15	388 ± 63	164 ± 25	1.66 ± 0.36
He II Broad	–	–	–	–
H β Narrow	40.06 ± 0.09	449 ± 63	399 ± 27	5.07 ± 0.63
Hβ Broad	$41.04^{+0.43}_{-0.02}$	2989 ± 48	1096 ± 26	48.59 ± 1.00
[O III] 5007	41.23 ± 0.01	449 ± 63	399 ± 27	75.72 ± 0.67
He I Narrow	39.23 ± 0.17	388 ± 63	164 ± 25	0.83 ± 0.19
He I Broad	40.68 ± 0.03	5107 ± 126	2169 ± 53	23.68 ± 0.75
[O I] 6300	39.84 ± 0.04	388 ± 63	164 ± 25	3.55 ± 0.21
H α Narrow	40.34 ± 0.03	388 ± 63	164 ± 25	11.69 ± 0.27
Hα Broad	41.75 ± 0.01	2693 ± 66	1046 ± 25	300.96 ± 0.69
[N II] 6585	40.71 ± 0.01	388 ± 63	164 ± 25	27.47 ± 0.26
[S II] 6718	40.13 ± 0.02	388 ± 63	164 ± 25	7.24 ± 0.24
[S II] 6732	40.15 ± 0.02	388 ± 63	164 ± 25	7.71 ± 0.24

Emission Summary

H α broad SNR	27.26
H β broad SNR	6.60
H γ broad SNR	3.27
AGN frac	0.48
Host frac	0.52
$\log L_{5100, \text{Host}}$	43.09
Fe II/H β	–
Fe II/[O III]	–

Quality Flags

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