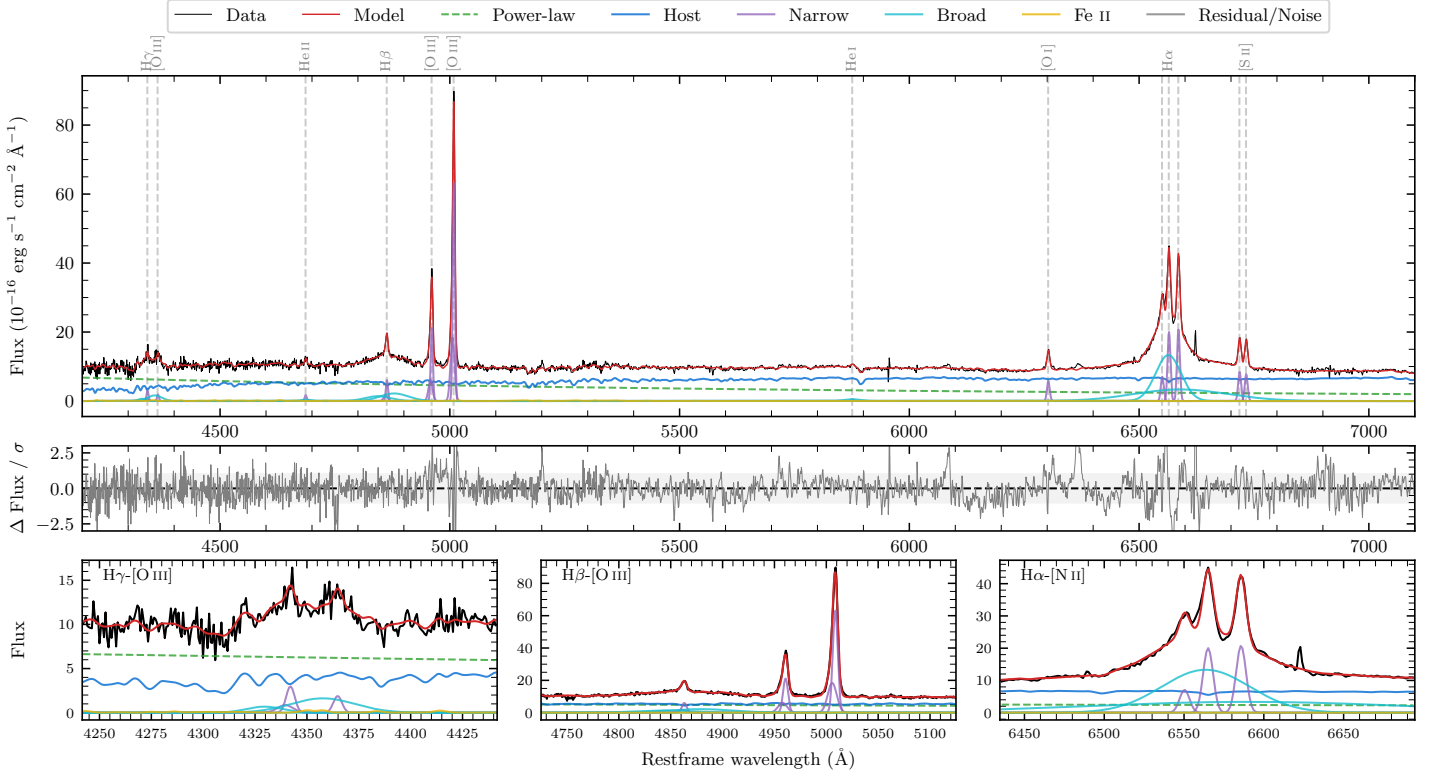
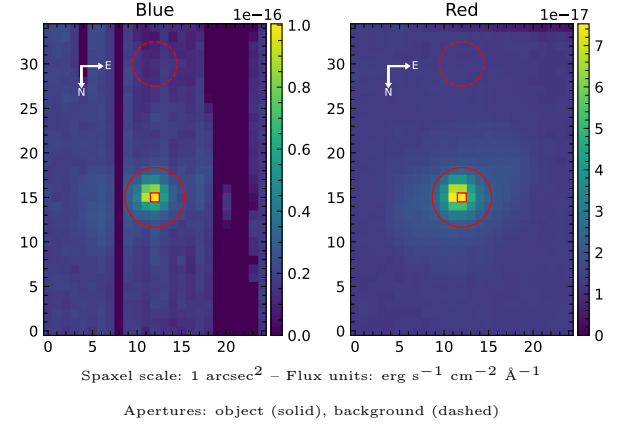


IRAS F23590–7713

Spectrum ID	491327996_sp1	Spectrum type	Sy 1.5
Alt name	g0001461–765714	Quality flag	good
z	0.0585	AGN reference	6dFGS
RA, Dec	0.4420, –76.9540	MW $E(B - V)$	0.050
MJD	60254.46	Power law α_ν	0.34 ± 0.14
SNR/ \AA B/R	13.5/21.8	$\log L_{5100, \text{AGN}}$	43.26 ± 0.04
Obs airmass	1.43	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.32 ± 0.02
SMSS ID	491327996	$\log M_{L5100}/M_\odot$	8.01 ± 0.04
Neighbour	None $< 15''$	$\log M_{H\alpha}/M_\odot$	7.69 ± 0.02
SMSS $\langle r_6''_{\text{ap}} \rangle$	15.92 ± 0.16	$\log M_{H\beta}/M_\odot$	7.97 ± 0.04
2MASS K_{ext}	12.20 ± 0.10	$\log M_{[\text{O III}]} / M_\odot$	8.28 ± 0.03



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	40.31 ± 0.08	385 ± 63	210 ± 25	3.97 ± 0.44
Hγ Broad	40.80 ± 0.08	3153 ± 606	1120 ± 109	13.14 ± 0.94
[O III] 4364	39.93 ± 0.16	336 ± 63	142 ± 25	1.67 ± 0.33
He II Narrow	39.91 ± 0.14	336 ± 63	142 ± 25	1.91 ± 0.34
He II Broad	39.99 ± 0.27	1405 ± 273	597 ± 115	1.98 ± 0.68
H β Narrow	40.67 ± 0.03	385 ± 63	210 ± 25	11.75 ± 0.49
Hβ Broad	41.37 ± 0.02	5149 ± 178	1870 ± 88	58.82 ± 1.40
[O III] 5007	41.70 ± 0.01	385 ± 63	210 ± 25	135.71 ± 0.61
He I Narrow	39.48 ± 0.25	336 ± 63	142 ± 25	1.19 ± 0.39
He I Broad	40.34 ± 0.12	2118 ± 434	899 ± 184	7.96 ± 1.02
[O I] 6300	40.57 ± 0.02	336 ± 63	142 ± 25	17.30 ± 0.45
H α Narrow	41.13 ± 0.01	336 ± 63	142 ± 25	69.02 ± 0.76
Hα Broad	42.19 ± 0.01	3446 ± 71	2200 ± 44	791.32 ± 3.59
[N II] 6585	41.15 ± 0.01	336 ± 63	142 ± 25	72.29 ± 0.71
[S II] 6718	40.77 ± 0.01	336 ± 63	142 ± 25	31.46 ± 0.55
[S II] 6732	40.73 ± 0.01	336 ± 63	142 ± 25	29.33 ± 0.56

Emission Summary

H α broad SNR	21.49
H β broad SNR	4.01
H γ broad SNR	2.16
AGN frac	0.45
Host frac	0.55
$\log L_{5100, \text{Host}}$	43.34
Fe II/H β	0.10
Fe II/[O III]	0.05

Quality Flags

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