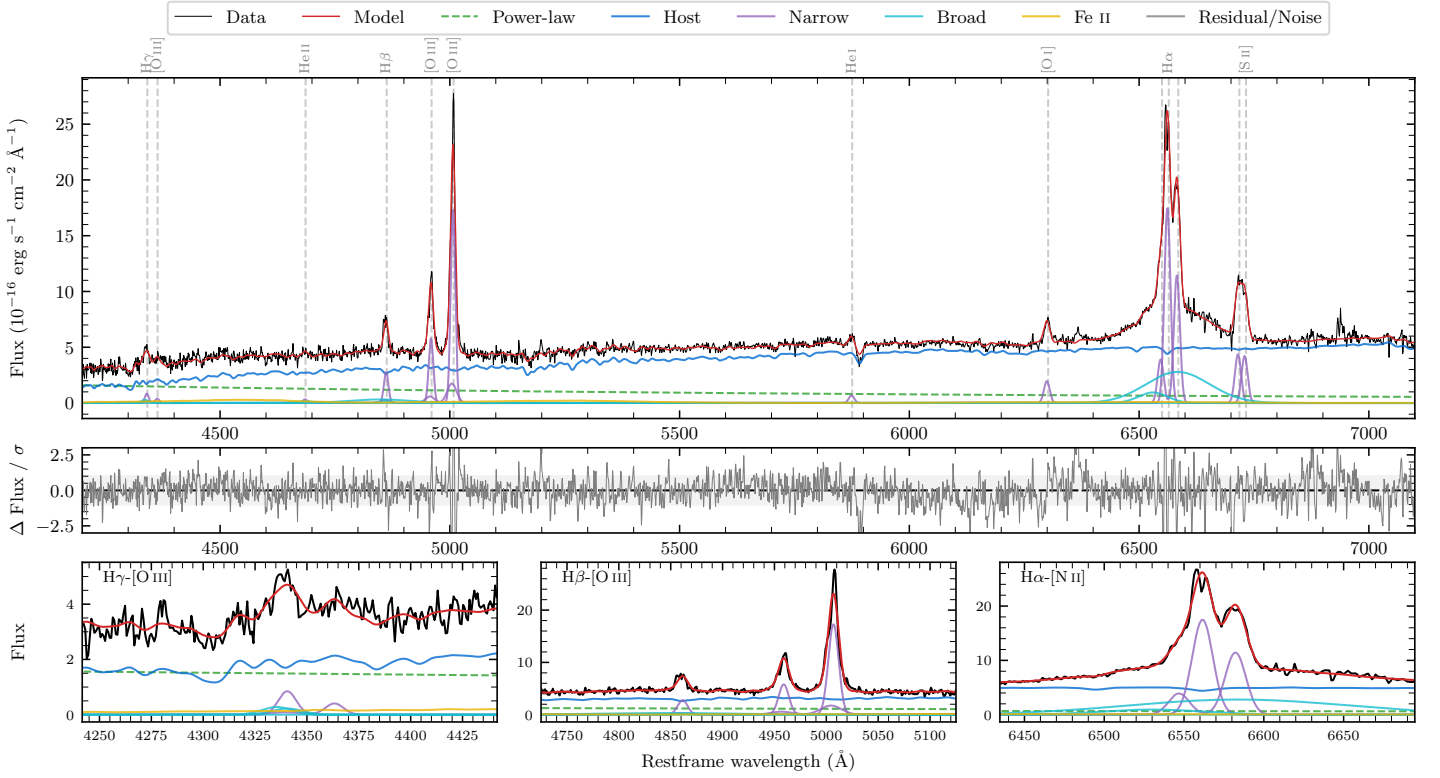
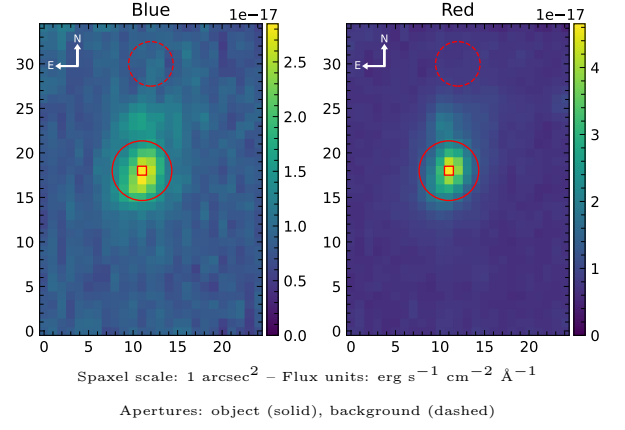


IRAS F23034–5203

Spectrum ID	490109196_sp1	Spectrum type	Sy 1.8
Alt name	g2306166–514747	Quality flag	good
z	0.0957	AGN reference	6dFGS
RA, Dec	346.5692, –51.7965	MW $E(B - V)$	0.009
MJD	60171.62	Power law α_ν	0.02 ± 0.28
SNR/Å B/R	10.2/20.9	$\log L_{5100, \text{AGN}}$	43.11 ± 0.07
Obs airmass	1.08	$\log H\beta_{\text{Br}}/[O \text{ III}]$	-0.64 ± 0.08
SMSS ID	490109196	$\log M_{L5100}/M_\odot$	8.13 ± 0.35
Neighbour	None $< 15''$	$\log M_{H\alpha}/M_\odot$	8.34 ± 0.01
SMSS $\langle r_6 \rangle_{\text{ap}}$	16.66 ± 0.04	$\log M_{H\beta}/M_\odot$	8.07 ± 0.35
2MASS K_{ext}	11.72 ± 0.08	$\log M_{[O \text{ III}]} / M_\odot$	8.52 ± 0.35



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	40.45 ± 0.19	736 ± 63	371 ± 27	8.13 ± 1.56
Hγ Broad	40.46 ± 0.24	1240 ± 69	450 ± 25	6.75 ± 1.54
[O III] 4364	40.05 ± 0.23	702 ± 63	298 ± 25	3.28 ± 1.12
He II Narrow	40.01 ± 0.28	702 ± 63	298 ± 25	3.43 ± 1.17
He II Broad	40.35 ± 0.30	3566 ± 65	1514 ± 26	7.44 ± 2.70
H β Narrow	41.01 ± 0.04	736 ± 63	371 ± 27	37.47 ± 1.85
Hβ Broad	41.18 ± 0.08	6346 ± 2629	3273 ± 120	53.97 ± 5.50
[O III] 5007	41.82 ± 0.01	736 ± 63	371 ± 27	254.73 ± 2.29
He I Narrow	40.41 ± 0.08	702 ± 63	298 ± 25	13.61 ± 1.35
He I Broad	—	—	—	—
[O I] 6300	40.89 ± 0.03	702 ± 63	298 ± 25	48.03 ± 1.81
H α Narrow	41.86 ± 0.01	702 ± 63	298 ± 25	484.00 ± 2.42
Hα Broad	42.15 ± 0.01	7459 ± 90	2696 ± 25	951.17 ± 7.15
[N II] 6585	41.68 ± 0.01	702 ± 63	298 ± 25	319.77 ± 2.70
[S II] 6718	41.27 ± 0.01	702 ± 63	298 ± 25	130.10 ± 2.52
[S II] 6732	41.26 ± 0.01	702 ± 63	298 ± 25	125.93 ± 2.57

Emission Summary

H α broad SNR	7.54
H β broad SNR	1.15
H γ broad SNR	1.37
AGN frac	0.26
Host frac	0.74
$\log L_{5100, \text{Host}}$	43.57
Fe II/H β	1.30
Fe II/[O III]	0.29

Quality Flags

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