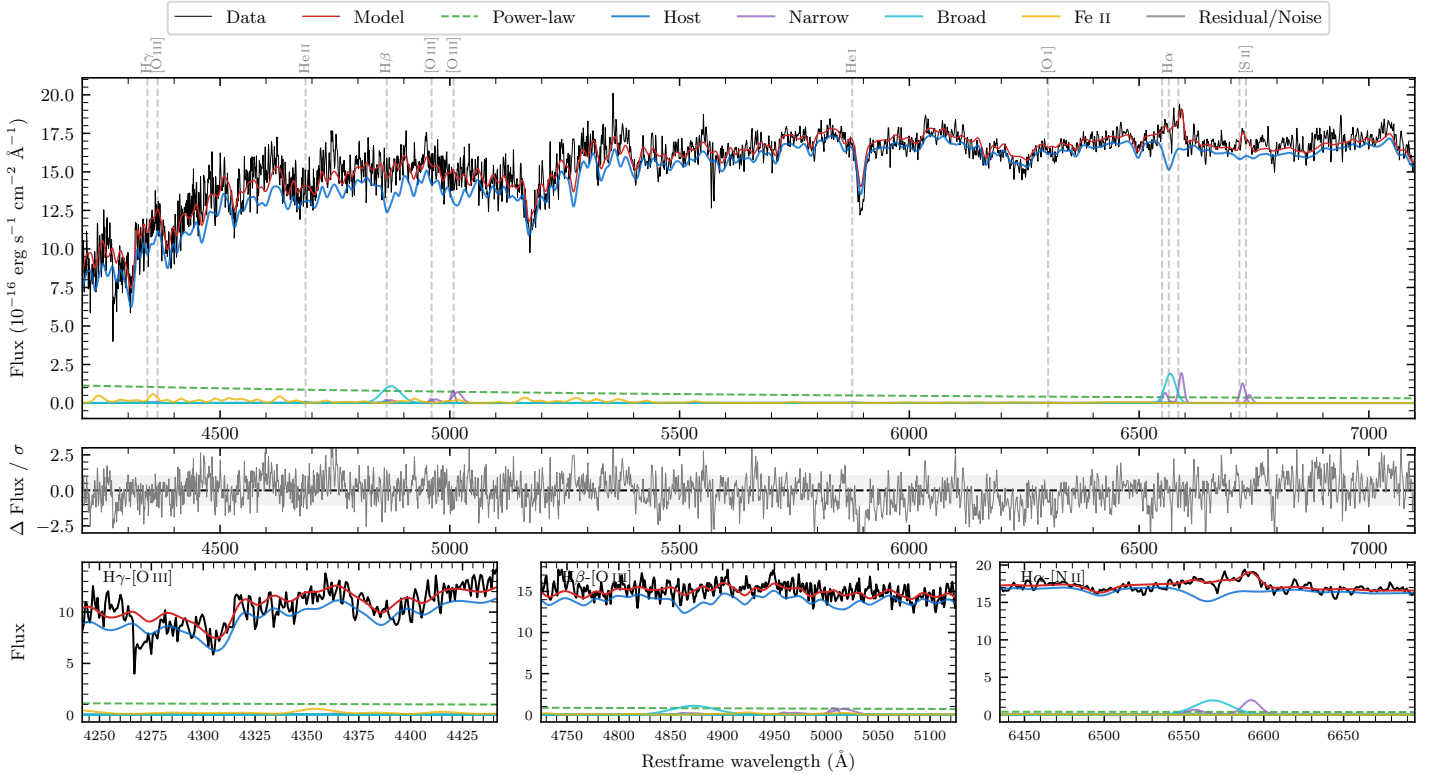
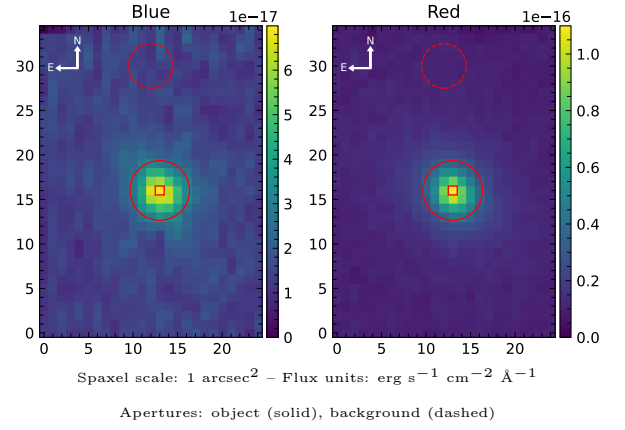


FRL 524

Spectrum ID	481665614_sp1	Spectrum type	Sy 1.2
Alt name	FAIRALL 524	Quality flag	good
z	0.0577	AGN reference	PGC
RA, Dec	300.0408, -50.0470	MW $E(B - V)$	0.046
MJD	60905.48	Power law α_ν	0.49 ± 0.01
SNR/ \AA B/R	15.7/33.3	$\log L_{5100, \text{AGN}}$	42.46 ± 0.13
Obs airmass	1.07	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.35 ± 0.13
SMSS ID	481665614	$\log M_{L5100}/M_\odot$	7.20 ± 0.07
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	5.90 ± 0.07
SMSS $\langle r_6'' \text{ ap} \rangle$	15.60 ± 0.02	$\log M_{\text{H}\beta}/M_\odot$	7.21 ± 0.06
2MASS K_{ext}	10.93 ± 0.06	$\log M_{[\text{O III}]} / M_\odot$	7.15 ± 0.07



Emission Line Measurements

Line	$\log L$ (erg s $^{-1}$)	FWHM (km s $^{-1}$)	σ (km s $^{-1}$)	EW (\AA)
H γ Narrow	—	—	—	—
Hγ Broad	—	—	—	—
[O III] 4364	—	—	—	—
He II Narrow	—	—	—	—
He II Broad	—	—	—	—
H β Narrow	39.76 ± 0.41	1157 ± 112	579 ± 25	9.16 ± 5.88
Hβ Broad	40.70 ± 0.08	3027 ± 30	1086 ± 25	79.43 ± 8.69
[O III] 5007	40.35 ± 0.10	1157 ± 112	579 ± 25	37.79 ± 6.08
He I Narrow	—	—	—	—
He I Broad	—	—	—	—
[O I] 6300	—	—	—	—
H α Narrow	—	—	—	—
Hα Broad	40.69 ± 0.05	1254 ± 63	470 ± 25	162.74 ± 8.24
[N II] 6585	40.35 ± 0.04	583 ± 62	246 ± 25	76.22 ± 5.23
[S II] 6718	40.18 ± 0.06	583 ± 62	246 ± 25	53.43 ± 5.31
[S II] 6732	39.79 ± 0.14	583 ± 62	246 ± 25	22.21 ± 5.25

Emission Summary

H α broad SNR	2.17
H β broad SNR	1.25
H γ broad SNR	0.00
AGN frac	0.05
Host frac	0.95
$\log L_{5100, \text{Host}}$	43.75
Fe II/H β	1.12
Fe II/[O III]	2.53

Quality Flags

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