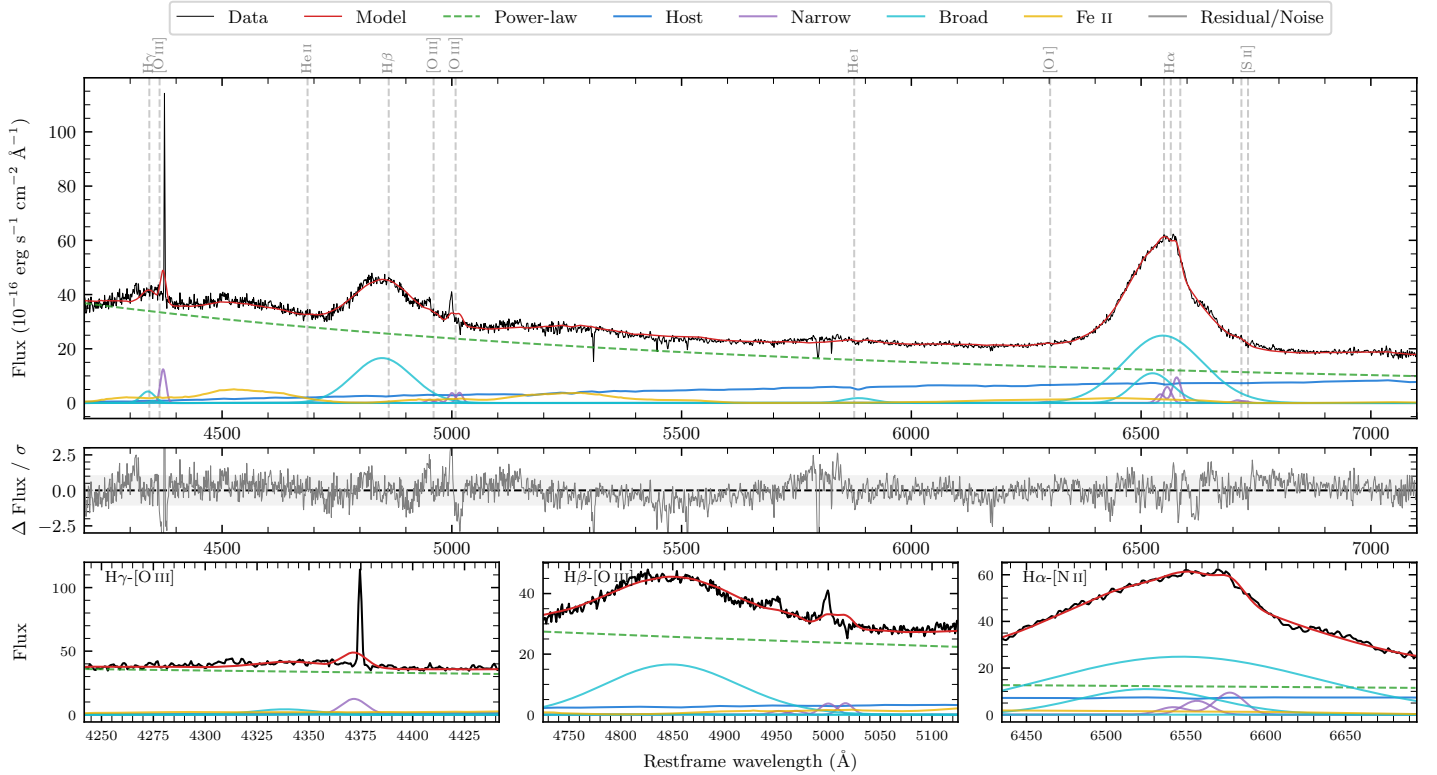
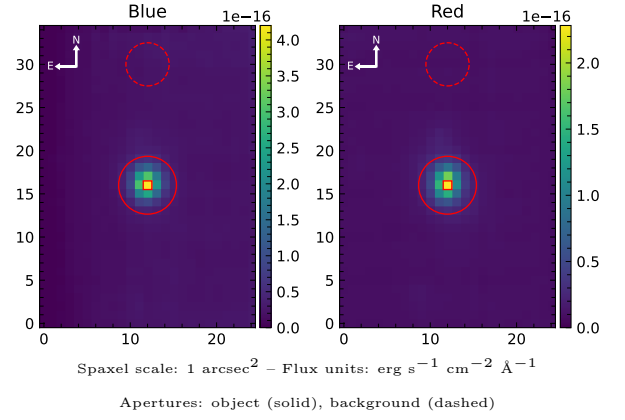


6dFGS gJ084314.8–702344

Spectrum ID	462766220_sp1	Spectrum type	Sy 1.0
Alt name	g0843148–702344	Quality flag	good
z	0.0815	AGN reference	6dFGS
RA, Dec	130.8117, –70.3955	MW $E(B - V)$	0.075
MJD	60048.41	Power law α_ν	0.50 ± 0.01
SNR/ \AA B/R	19.1/20.2	$\log L_{5100, \text{AGN}}$	44.28 ± 0.01
Obs airmass	1.30	$\log H\beta_{\text{Br}}/[\text{O III}]$	1.28 ± 0.05
SMSS ID	462766220	$\log M_{L5100}/M_\odot$	8.96 ± 0.01
Neighbour	10.0", 1561449658	$\log M_{H\alpha}/M_\odot$	8.91 ± 0.04
SMSS $\langle r_{6''}^{\text{ap}} \rangle$	15.67 ± 0.09	$\log M_{H\beta}/M_\odot$	9.07 ± 0.01
2MASS K_{ext}	12.29 ± 0.08	$\log M_{[\text{O III}]} / M_\odot$	8.64 ± 0.03



Emission Line Measurements

Line	$\log L$ (erg s $^{-1}$)	FWHM (km s $^{-1}$)	σ (km s $^{-1}$)	EW (Angstrom)
H γ Narrow	40.34 ± 0.57	1941 ± 63	669 ± 25	0.39 ± 0.26
Hγ Broad	41.52 ± 0.07	2451 ± 70	894 ± 25	5.69 ± 0.38
[O III] 4364	41.53 ± 0.03	991 ± 62	421 ± 25	6.21 ± 0.24
He II Narrow	–	–	–	–
He II Broad	–	–	–	–
H β Narrow	–	–	–	–
Hβ Broad	42.68 ± 0.01	9266 ± 87	3459 ± 25	112.81 ± 0.92
[O III] 5007	41.40 ± 0.05	1941 ± 63	669 ± 25	6.41 ± 0.34
He I Narrow	–	–	–	–
He I Broad	41.43 ± 0.06	4036 ± 62	1714 ± 25	10.44 ± 0.69
[O I] 6300	40.30 ± 0.29	991 ± 62	421 ± 25	0.91 ± 0.36
H α Narrow	41.39 ± 0.04	991 ± 62	421 ± 25	12.29 ± 0.54
Hα Broad	43.06 ± 0.01	7553 ± 91	3110 ± 25	579.47 ± 1.59
[N II] 6585	41.59 ± 0.02	991 ± 62	421 ± 25	19.71 ± 0.54
[S II] 6718	40.64 ± 0.20	991 ± 62	421 ± 25	2.34 ± 0.57
[S II] 6732	40.47 ± 0.29	991 ± 62	421 ± 25	1.59 ± 0.58

Emission Summary

H α broad SNR	20.63
H β broad SNR	9.87
H γ broad SNR	2.92
AGN frac	0.88
Host frac	0.12
$\log L_{5100, \text{Host}}$	43.43
Fe II/H β	0.42
Fe II/[O III]	8.09

Quality Flags

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