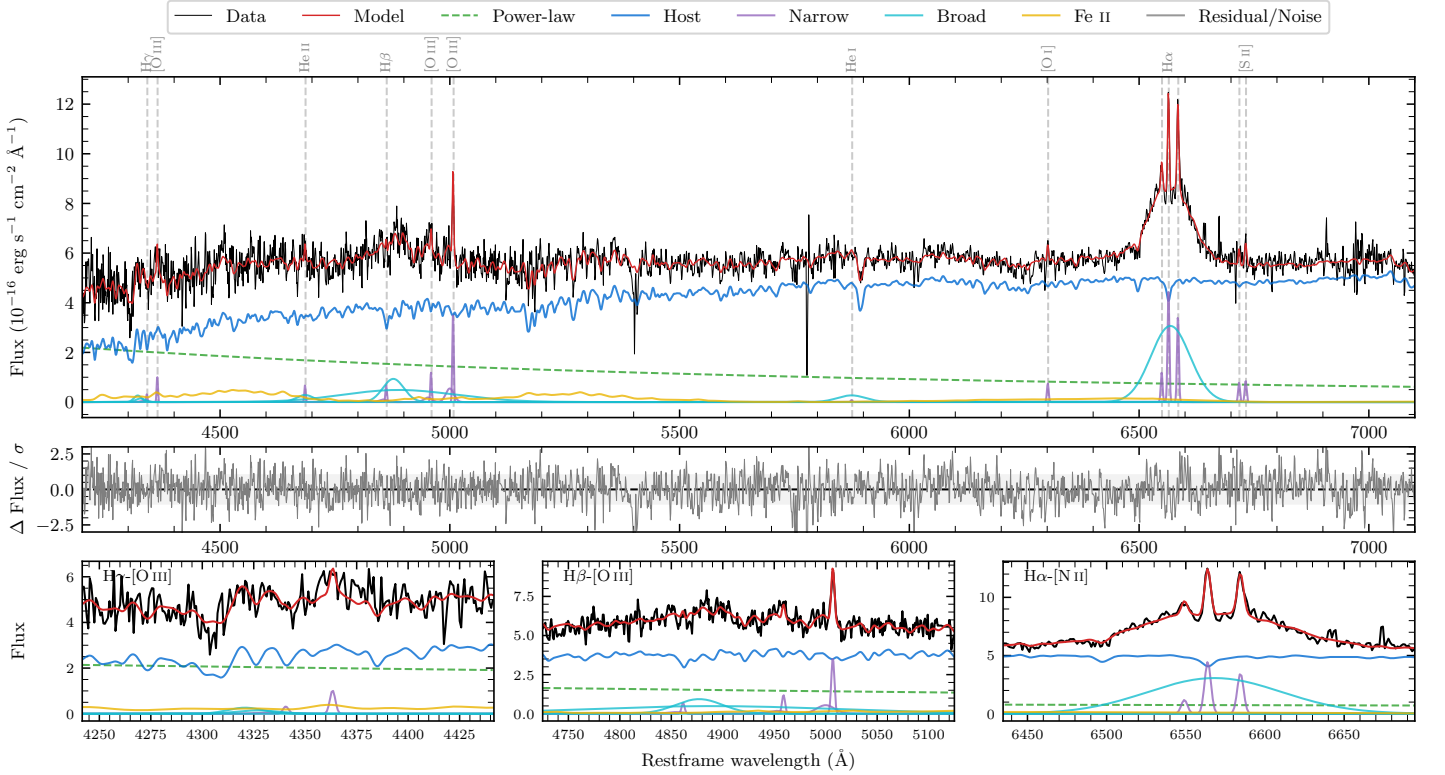
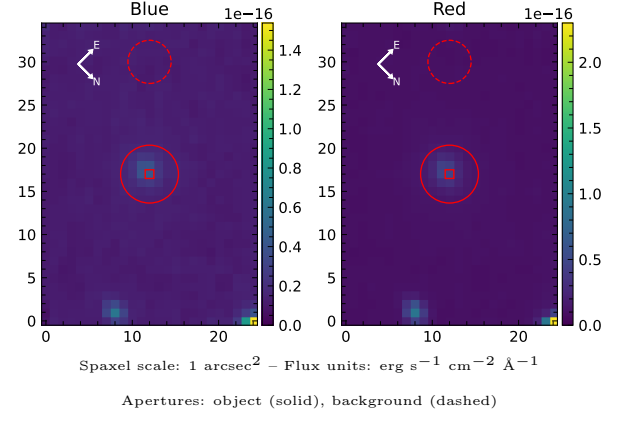


6dFGS gJ152401.8–392833

Spectrum ID	306898185_sp1	Spectrum type	Sy 1.2
Alt name	g1524018–392833	Quality flag	good
z	0.0904	AGN reference	6dFGS
RA, Dec	231.0075, –39.4759	MW $E(B - V)$	0.140
MJD	60164.38	Power law α_ν	0.42 ± 0.07
SNR/ \AA B/R	12.2/19.5	$\log L_{5100, \text{AGN}}$	43.16 ± 0.02
Obs airmass	1.02	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.32 ± 0.34
SMSS ID	306898185	$\log M_{L5100}/M_\odot$	7.58 ± 0.02
Neighbour	14.8", 306898184	$\log M_{\text{H}\alpha}/M_\odot$	7.74 ± 0.02
SMSS $\langle r_6^{\text{ap}} \rangle$	16.94 ± 0.08	$\log M_{\text{H}\beta}/M_\odot$	7.45 ± 0.16
2MASS K_{ext}	12.25 ± 0.10	$\log M_{[\text{O III}]} / M_\odot$	7.43 ± 0.05



Emission Line Measurements

Line	$\log L$ (erg s $^{-1}$)	FWHM (km s $^{-1}$)	σ (km s $^{-1}$)	EW (Å)
H γ Narrow	–	–	–	–
Hγ Broad	40.39 ± 0.16	1538 ± 139	445 ± 34	4.97 ± 1.36
[O III] 4364	39.88 ± 0.19	220 ± 63	91 ± 25	1.85 ± 0.49
He II Narrow	39.73 ± 0.25	220 ± 63	91 ± 25	1.56 ± 0.55
He II Broad	–	–	–	–
H β Narrow	40.03 ± 0.25	236 ± 63	418 ± 41	3.41 ± 1.95
Hβ Broad	$41.08^{+0.58}_{-0.06}$	3298 ± 33	1171 ± 25	38.18 ± 2.80
[O III] 5007	40.76 ± 0.06	236 ± 63	418 ± 41	19.41 ± 1.61
He I Narrow	–	–	–	–
He I Broad	40.67 ± 0.09	3700 ± 66	1571 ± 27	23.36 ± 3.12
[O I] 6300	39.90 ± 0.15	220 ± 63	91 ± 25	4.76 ± 1.03
H α Narrow	40.70 ± 0.02	220 ± 63	91 ± 25	32.79 ± 0.92
Hα Broad	41.87 ± 0.01	4546 ± 73	1699 ± 25	481.56 ± 4.85
[N II] 6585	40.59 ± 0.03	220 ± 63	91 ± 25	25.78 ± 1.02
[S II] 6718	39.95 ± 0.11	220 ± 63	91 ± 25	6.20 ± 1.31
[S II] 6732	40.00 ± 0.14	220 ± 63	91 ± 25	6.93 ± 1.25

Emission Summary

H α broad SNR	6.80
H β broad SNR	2.05
H γ broad SNR	1.02
AGN frac	0.27
Host frac	0.73
$\log L_{5100, \text{Host}}$	43.59
Fe II/H β	–
Fe II/[O III]	–

Quality Flags

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