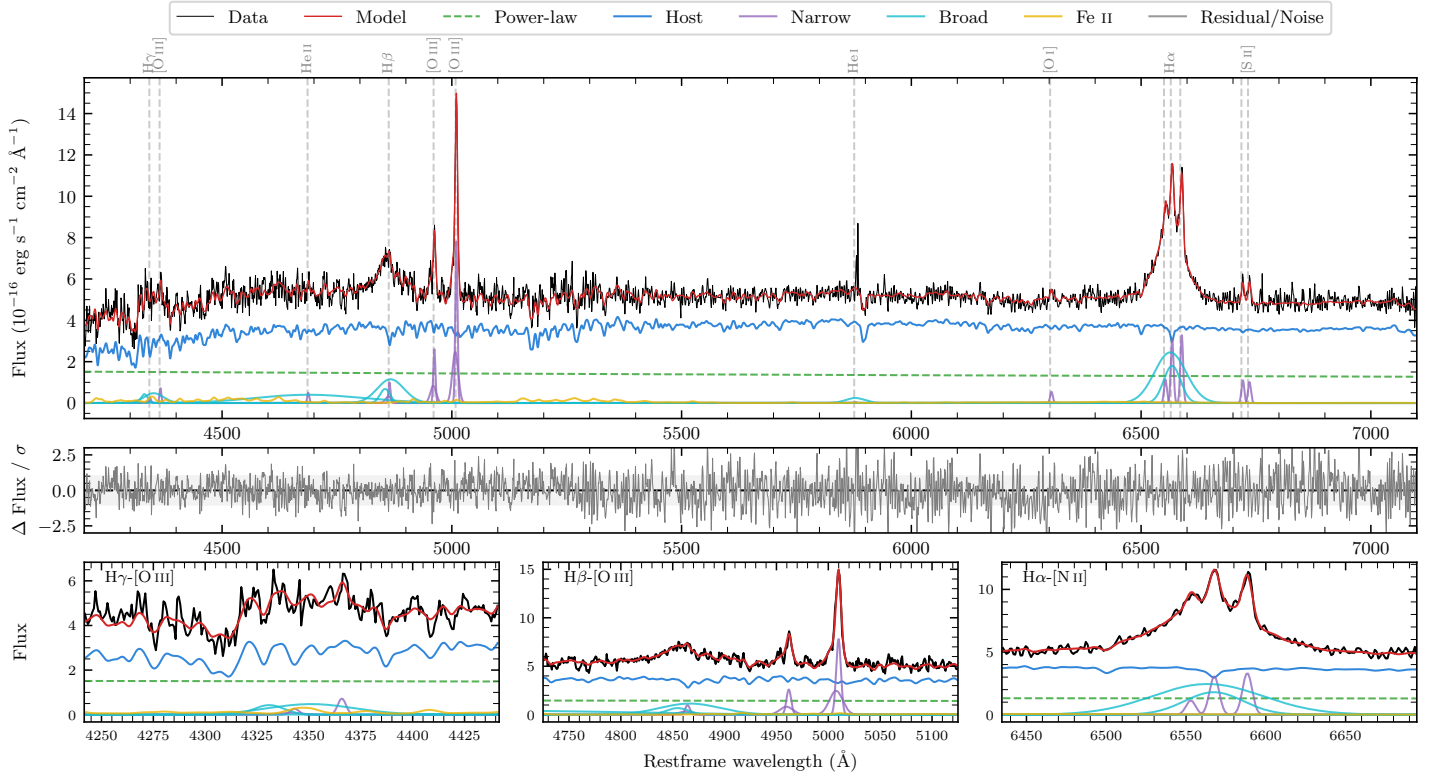
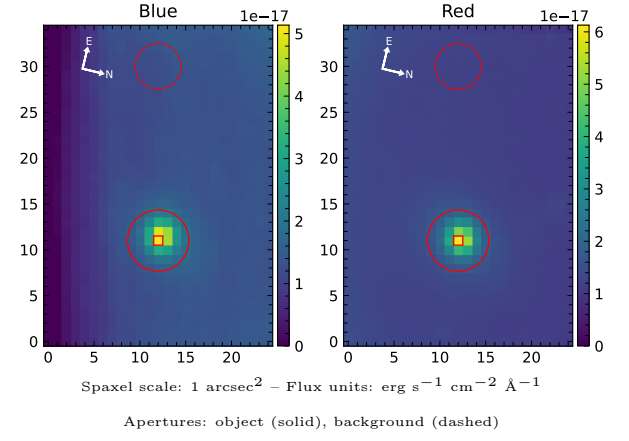


6dFGS gJ084016.6–100724

Spectrum ID	75364406_sp1	Spectrum type	Sy 1.5
Alt name	g0840166–100724	Quality flag	good
z	0.0712	AGN reference	6dFGS
RA, Dec	130.0692, –10.1235	MW $E(B - V)$	0.044
MJD	59671.5	Power law α_ν	-1.66 ± 0.14
SNR/Å B/R	11.9/23.5	$\log L_{5100, \text{AGN}}$	42.95 ± 0.03
Obs airmass	1.20	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.09 ± 0.03
SMSS ID	75364406	$\log M_{L5100}/M_\odot$	7.46 ± 0.11
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	7.15 ± 0.03
SMSS $\langle r_6''_{\text{ap}} \rangle$	16.93 ± 0.04	$\log M_{\text{H}\beta}/M_\odot$	7.45 ± 0.11
2MASS K_{ext}	13.08 ± 0.15	$\log M_{[\text{O III}]} / M_\odot$	7.55 ± 0.11



Emission Line Measurements

Line	$\log L$ (erg s $^{-1}$)	FWHM (km s $^{-1}$)	σ (km s $^{-1}$)	EW (Å)
H γ Narrow	39.53 ± 0.35	383 ± 64	290 ± 31	1.80 ± 1.31
Hγ Broad	40.64 ± 0.09	3112 ± 759	1218 ± 60	23.52 ± 2.65
[O III] 4364	39.68 ± 0.22	327 ± 63	137 ± 25	2.59 ± 0.80
He II Narrow	39.55 ± 0.23	327 ± 63	137 ± 25	1.95 ± 0.72
He II Broad	41.20 ± 0.05	17656 ± 63	7498 ± 25	86.55 ± 5.88
H β Narrow	40.15 ± 0.11	383 ± 64	291 ± 31	7.80 ± 1.19
Hβ Broad	41.14 ± 0.03	3199 ± 385	1393 ± 58	75.86 ± 2.70
[O III] 5007	41.05 ± 0.02	383 ± 64	291 ± 31	63.24 ± 1.30
He I Narrow	–	–	–	–
He I Broad	40.23 ± 0.09	2459 ± 106	1044 ± 44	9.96 ± 1.21
[O I] 6300	39.72 ± 0.08	327 ± 63	137 ± 25	3.19 ± 0.40
H α Narrow	40.49 ± 0.03	327 ± 63	137 ± 25	18.86 ± 0.49
Hα Broad	41.59 ± 0.01	2807 ± 91	1173 ± 27	242.21 ± 1.69
[N II] 6585	40.52 ± 0.02	327 ± 63	137 ± 25	20.63 ± 0.48
[S II] 6718	40.05 ± 0.05	327 ± 63	137 ± 25	7.05 ± 0.52
[S II] 6732	40.02 ± 0.05	327 ± 63	137 ± 25	6.50 ± 0.48

Emission Summary

H α broad SNR	10.18
H β broad SNR	4.21
H γ broad SNR	1.78
AGN frac	0.29
Host frac	0.71
$\log L_{5100, \text{Host}}$	43.35
Fe II/H β	0.49
Fe II/[O III]	0.59

Quality Flags

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