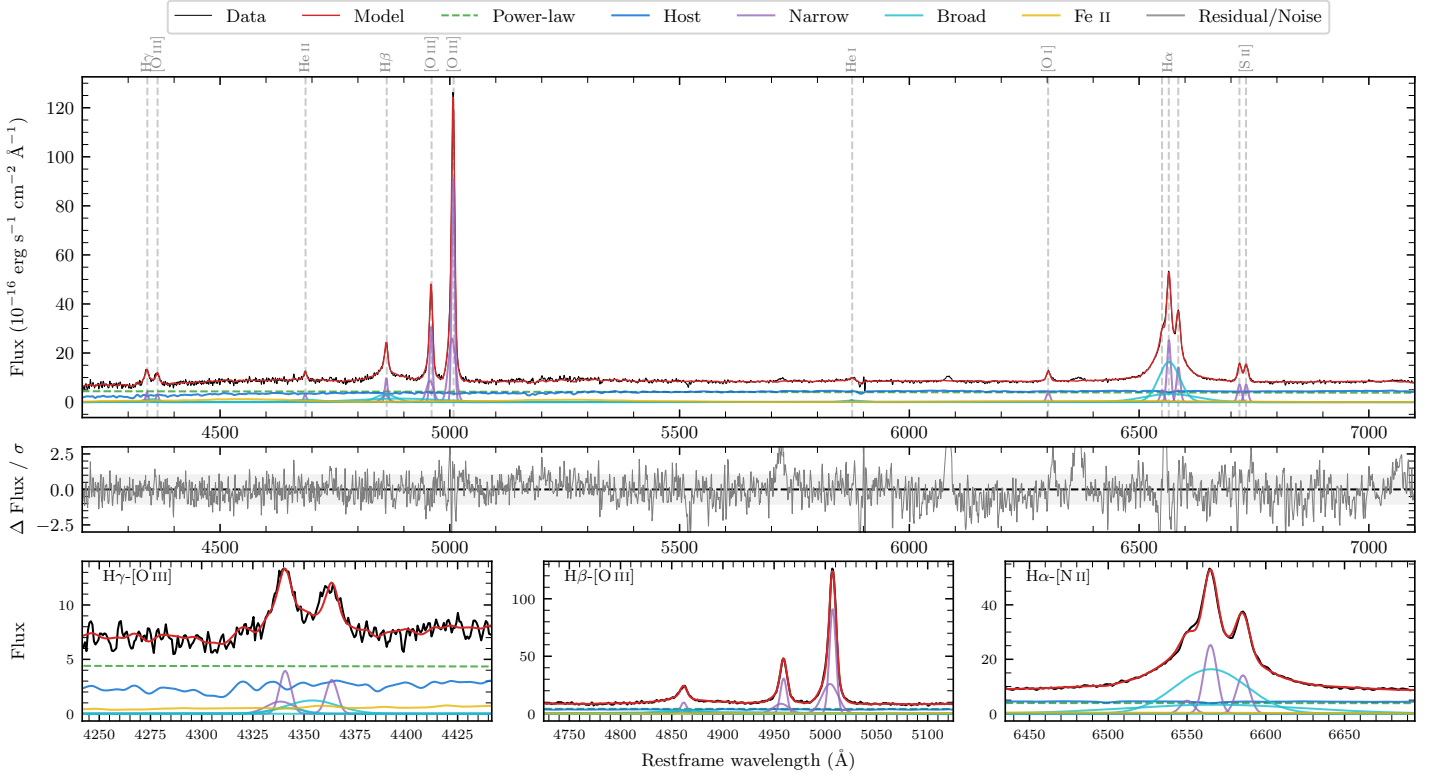
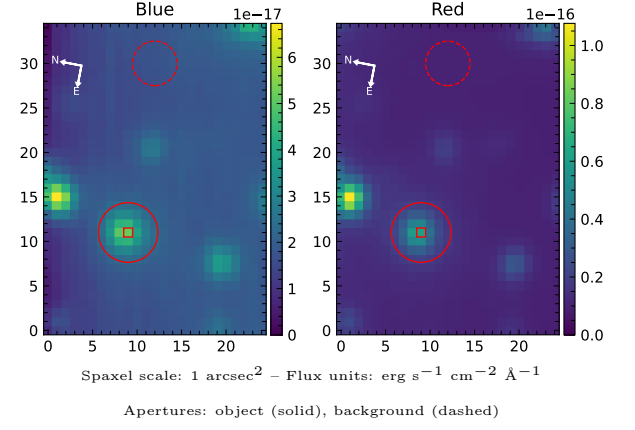


6dFGS gJ180704.5–452415

Spectrum ID	473222243_sp1	Spectrum type	Sy 1.8
Alt name	g1807045–452415	Quality flag	good
z	0.0673	AGN reference	6dFGS
RA, Dec	271.7685, –45.4041	MW $E(B - V)$	0.137
MJD	59398.54	Power law α_ν	-1.72 ± 0.18
SNR/ \AA B/R	11.0/24.8	$\log L_{5100, \text{AGN}}$	43.38 ± 0.03
Obs airmass	1.04	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.88 ± 0.25
SMSS ID	473222243	$\log M_{L5100}/M_\odot$	7.64 ± 0.05
Neighbour	9.1", 473222244	$\log M_{H\alpha}/M_\odot$	7.51 ± 0.02
SMSS $\langle r_6^{\text{ap}} \rangle$	16.78 ± 0.20	$\log M_{H\beta}/M_\odot$	7.52 ± 0.14
2MASS K_{ext}	12.53 ± 0.10	$\log M_{[\text{O III}]} / M_\odot$	8.09 ± 0.05



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	40.74 ± 0.07	524 ± 63	345 ± 25	11.40 ± 0.98
Hγ Broad	40.78 ± 0.11	2106 ± 327	695 ± 73	11.81 ± 1.30
[O III] 4364	40.41 ± 0.09	453 ± 63	192 ± 25	5.34 ± 0.58
He II Narrow	40.44 ± 0.07	453 ± 63	192 ± 25	5.76 ± 0.53
He II Broad	–	–	–	–
H β Narrow	41.18 ± 0.02	524 ± 63	345 ± 25	32.57 ± 0.83
Hβ Broad	$41.29^{+0.47}_{-0.04}$	3176 ± 167	1163 ± 65	43.22 ± 1.39
[O III] 5007	42.17 ± 0.01	524 ± 63	345 ± 25	316.95 ± 0.97
He I Narrow	39.96 ± 0.12	453 ± 63	192 ± 25	2.04 ± 0.27
He I Broad	40.53 ± 0.07	2252 ± 182	956 ± 77	7.68 ± 0.64
[O I] 6300	40.68 ± 0.02	453 ± 63	192 ± 25	11.07 ± 0.29
H α Narrow	41.50 ± 0.01	453 ± 63	192 ± 25	73.11 ± 0.39
Hα Broad	42.22 ± 0.01	2734 ± 66	1230 ± 28	387.47 ± 1.18
[N II] 6585	41.25 ± 0.01	453 ± 63	192 ± 25	41.00 ± 0.37
[S II] 6718	40.96 ± 0.01	453 ± 63	192 ± 25	21.33 ± 0.32
[S II] 6732	40.96 ± 0.01	453 ± 63	192 ± 25	21.23 ± 0.33

Emission Summary

H α broad SNR	26.62
H β broad SNR	4.23
H γ broad SNR	2.15
AGN frac	0.54
Host frac	0.46
$\log L_{5100, \text{Host}}$	43.30
Fe II/H β	–
Fe II/[O III]	–

Quality Flags

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