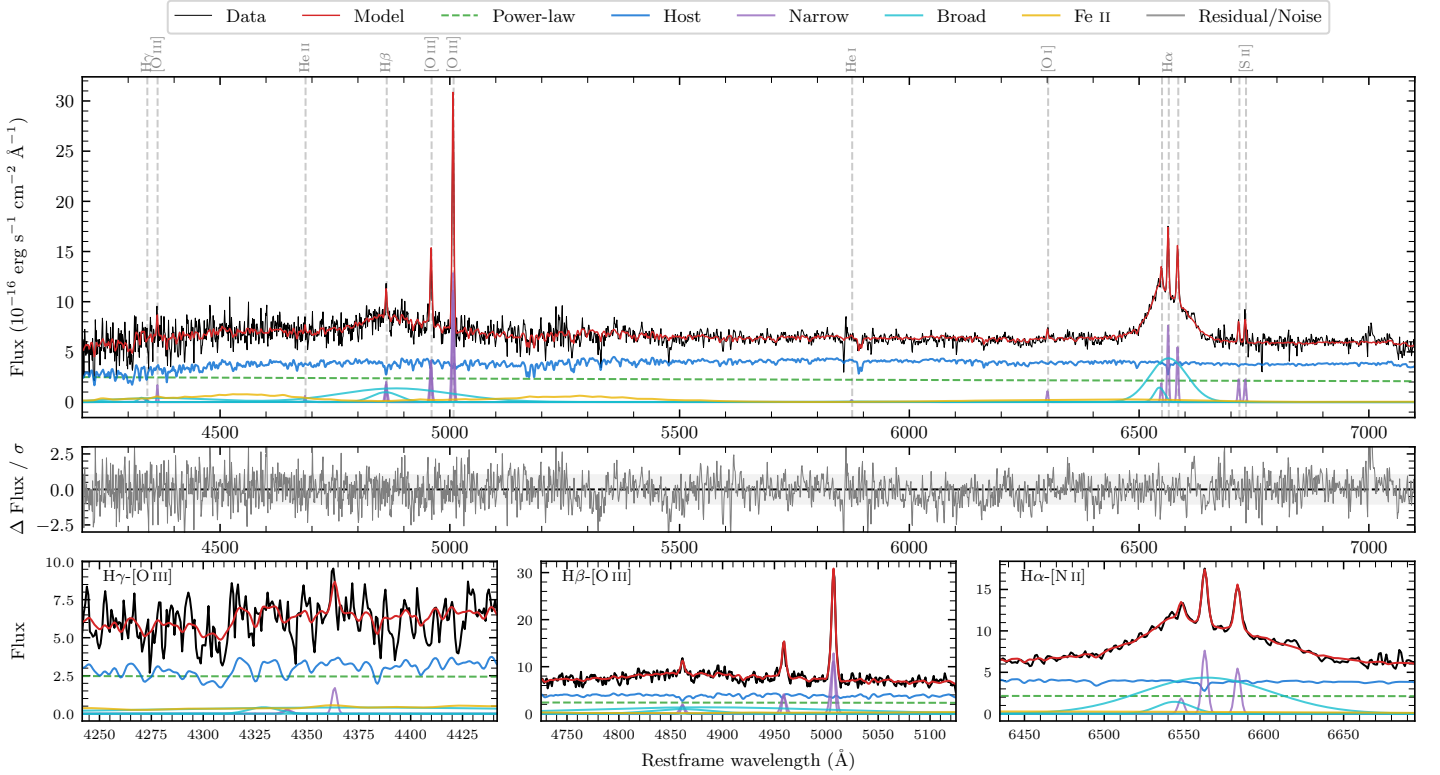
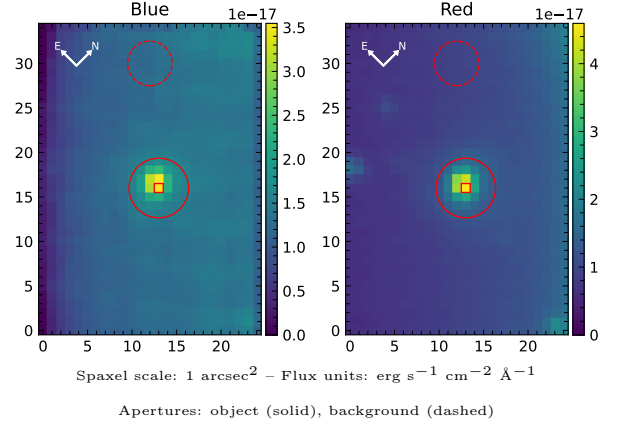


6dFGS gJ112338.0–760233

Spectrum ID	460014685_sp1	Spectrum type	Sy 1.5
Alt name	g1123380–760233	Quality flag	good
z	0.0750	AGN reference	6dFGS
RA, Dec	170.9084, –76.0425	MW $E(B - V)$	0.275
MJD	60352.66	Power law α_ν	-1.66 ± 0.07
SNR/ \AA B/R	10.2/14.5	$\log L_{5100, \text{AGN}}$	43.22 ± 0.04
Obs airmass	1.41	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.20 ± 0.45
SMSS ID	460014685	$\log M_{L5100}/M_\odot$	7.84 ± 0.02
Neighbour	12.4", 460014684	$\log M_{H\alpha}/M_\odot$	7.57 ± 0.03
SMSS $\langle r_6^{\text{ap}} \rangle$	17.30 ± 0.12	$\log M_{H\beta}/M_\odot$	7.67 ± 0.21
2MASS K_{ext}	13.32 ± 0.20	$\log M_{[\text{O III}]} / M_\odot$	7.90 ± 0.02



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	39.52 ± 0.39	258 ± 63	132 ± 25	0.99 ± 0.77
Hγ Broad	41.26 ± 0.13	5640 ± 4387	6202 ± 127	52.83 ± 5.51
[O III] 4364	39.89 ± 0.17	195 ± 63	83 ± 25	2.27 ± 0.57
He II Narrow	39.47 ± 0.35	195 ± 63	83 ± 25	0.88 ± 0.51
He II Broad	–	–	–	–
H β Narrow	40.42 ± 0.06	258 ± 63	132 ± 25	8.11 ± 0.71
Hβ Broad	$41.04^{+0.83}_{-0.08}$	4319 ± 25	1606 ± 25	33.32 ± 2.65
[O III] 5007	41.24 ± 0.01	258 ± 63	132 ± 25	53.65 ± 0.79
He I Narrow	39.08 ± 0.44	195 ± 63	83 ± 25	0.39 ± 0.37
He I Broad	39.96 ± 0.42	5575 ± 63	2367 ± 25	2.95 ± 2.15
[O I] 6300	39.85 ± 0.11	195 ± 63	83 ± 25	2.34 ± 0.38
H α Narrow	40.72 ± 0.02	195 ± 63	83 ± 25	17.40 ± 0.45
Hα Broad	41.86 ± 0.01	3766 ± 111	1556 ± 25	243.30 ± 2.41
[N II] 6585	40.57 ± 0.03	195 ± 63	83 ± 25	12.55 ± 0.45
[S II] 6718	40.20 ± 0.05	195 ± 63	83 ± 25	5.35 ± 0.44
[S II] 6732	40.21 ± 0.09	195 ± 63	83 ± 25	5.51 ± 0.75

Emission Summary

H α broad SNR	7.84
H β broad SNR	1.43
H γ broad SNR	1.20
AGN frac	0.39
Host frac	0.61
$\log L_{5100, \text{Host}}$	43.41
Fe II/H β	–
Fe II/[O III]	–

Quality Flags

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