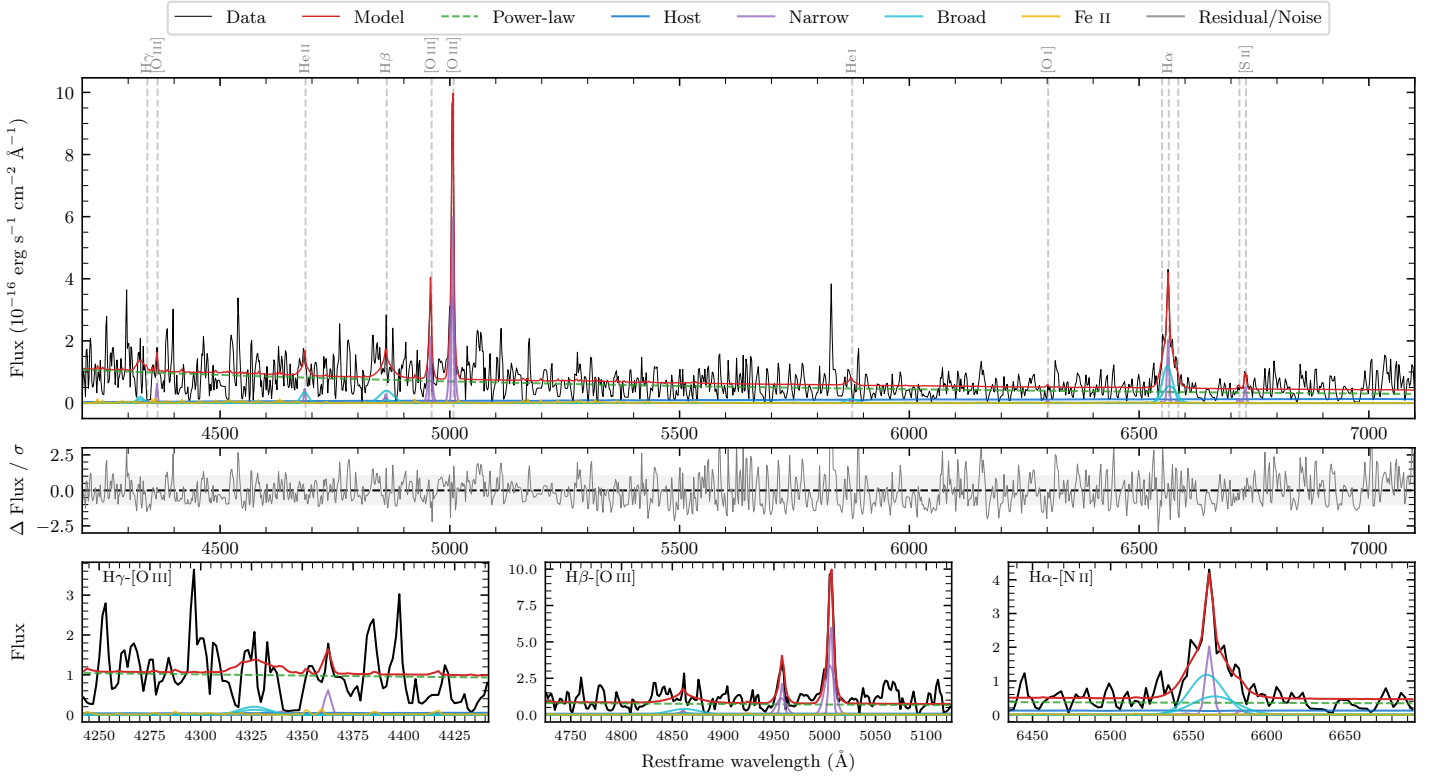
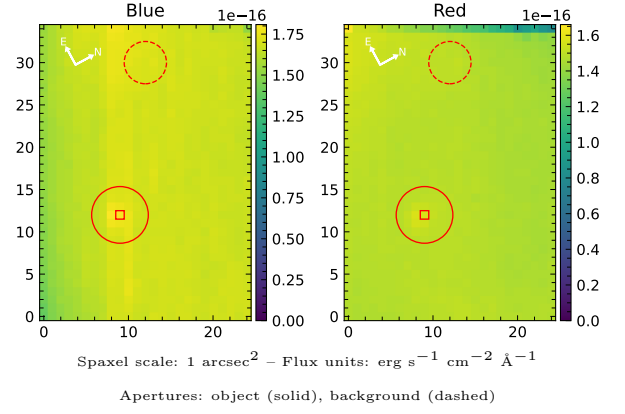


6dFGS gJ235457.7-054017

Spectrum ID	8609351_sp1	Spectrum Type	Bad
Alt name	g2354577-054017	Quality Flag	bad_all
z	0.0803	AGN reference	6dFGS
RA, Dec	358.7402, -5.6713	MW $E(B - V)$	0.026
MJD	59397.8	Power law α_ν	0.48 ± 0.02
SNR/ \AA B/R	1.0/1.2	$\log L_{5100, \text{AGN}}$	42.74 ± 0.03
Obs Airmass	1.11	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.58 ± 0.22
SMSS ID	8609351	$\log M_{L5100}/M_\odot$	6.93 ± 0.11
Closest SMSS	None $< 15''$	$\log M_{H\alpha}/M_\odot$	6.10 ± 0.08
SMSS Mean r_{psf}	18.0 ± 0.0	$\log M_{H\beta}/M_\odot$	6.73 ± 0.16
2MASS K_{ext}	nan \pm nan	$\log M_{[\text{O III}]} / M_\odot$	7.13 ± 0.11



Emission Line Measurements

Line	$\log L$ (erg s $^{-1}$)	FWHM (km s $^{-1}$)	σ (km s $^{-1}$)	EW (\AA)
H γ Narrow	—	—	—	—
Hγ Broad	—	—	—	—
[O III] 4364	39.62 ± 0.35	265 ± 62	106 ± 25	2.64 ± 2.02
He II Narrow	39.56 ± 0.40	265 ± 62	106 ± 25	2.79 ± 2.12
He II Broad	40.09 ± 0.37	1236 ± 62	523 ± 25	9.29 ± 4.93
H β Narrow	39.76 ± 0.45	348 ± 66	235 ± 26	4.79 ± 4.09
Hβ Broad	40.50 ± 0.22	1934 ± 249	728 ± 40	24.98 ± 8.29
[O III] 5007	41.08 ± 0.02	348 ± 66	235 ± 26	108.78 ± 4.49
He I Narrow	—	—	—	—
He I Broad	39.80 ± 0.41	1267 ± 62	537 ± 25	8.46 ± 5.08
[O I] 6300	—	—	—	—
H α Narrow	40.31 ± 0.06	265 ± 62	106 ± 25	35.85 ± 2.22
Hα Broad	40.96 ± 0.04	1294 ± 94	481 ± 34	158.92 ± 6.47
[N II] 6585	39.10 ± 0.51	265 ± 62	106 ± 25	2.23 ± 2.18
[S II] 6718	39.15 ± 0.48	265 ± 62	106 ± 25	2.61 ± 2.57
[S II] 6732	39.77 ± 0.20	265 ± 62	106 ± 25	11.10 ± 2.77

Emission Summary

H α Broad SNR	3.14
H β Broad SNR	1.01
H γ Broad SNR	0.78
AGN frac	0.90
Host frac	0.09
$\log L_{5100, \text{Host}}$	41.71
Fe II/H β	—
Fe II/[O III]	—

Quality Flags

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