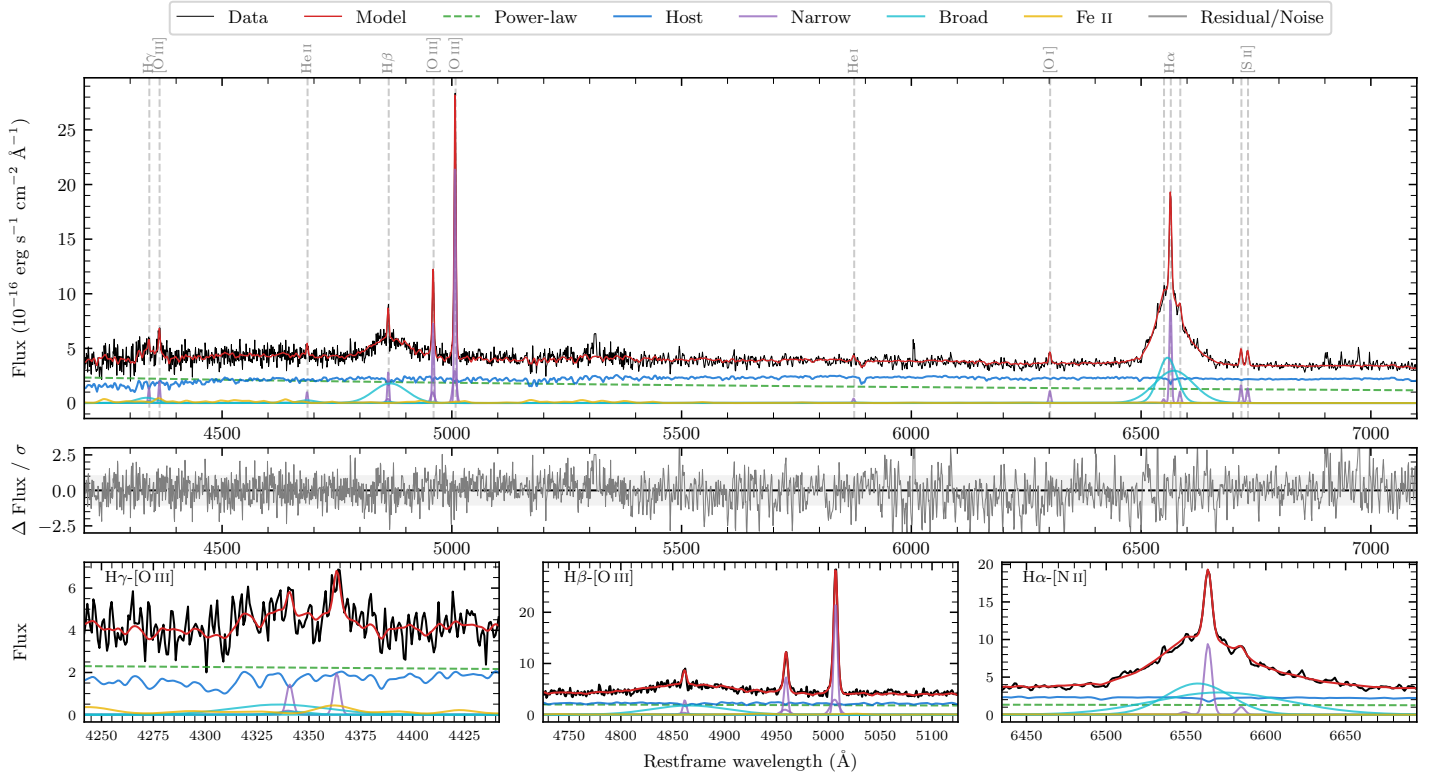
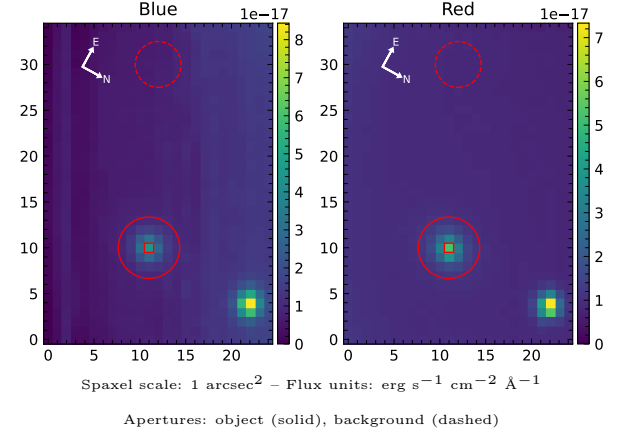


6dFGS gJ141544.0–220050

Spectrum ID	108349978_sp1	Spectrum type	Sy 1.5
Alt name	g1415440–220050	Quality flag	good
z	0.0491	AGN reference	6dFGS
RA, Dec	213.9334, –22.0139	MW $E(B - V)$	0.087
MJD	59726.53	Power law α_ν	-0.68 ± 0.19
SNR/Å B/R	8.0/15.7	$\log L_{5100, \text{AGN}}$	42.72 ± 0.03
Obs airmass	1.02	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.12 ± 0.02
SMSS ID	108349978	$\log M_{L5100}/M_\odot$	7.76 ± 0.05
Neighbour	12.4", 108349958	$\log M_{\text{H}\alpha}/M_\odot$	7.12 ± 0.03
SMSS $\langle r_6''_{\text{ap}} \rangle$	17.27 ± 0.05	$\log M_{\text{H}\beta}/M_\odot$	7.79 ± 0.06
2MASS K_{ext}	nan \pm nan	$\log M_{[\text{O III}]} / M_\odot$	7.86 ± 0.05



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (Å)
H γ Narrow	39.64 ± 0.15	278 ± 63	150 ± 26	3.41 ± 0.86
Hγ Broad	40.29 ± 0.13	3158 ± 647	1283 ± 91	14.40 ± 2.34
[O III] 4364	39.67 ± 0.12	258 ± 63	108 ± 25	3.64 ± 0.60
He II Narrow	39.41 ± 0.19	258 ± 63	108 ± 25	2.20 ± 0.55
He II Broad	39.82 ± 0.23	2599 ± 87	1103 ± 36	5.65 ± 1.73
H β Narrow	39.99 ± 0.06	278 ± 63	150 ± 26	8.77 ± 0.81
Hβ Broad	41.00 ± 0.02	5028 ± 233	1925 ± 35	90.63 ± 2.59
[O III] 5007	40.89 ± 0.01	278 ± 63	150 ± 26	72.87 ± 0.86
He I Narrow	39.12 ± 0.16	258 ± 63	108 ± 25	1.54 ± 0.35
He I Broad	—	—	—	—
[O I] 6300	39.58 ± 0.06	258 ± 63	108 ± 25	4.79 ± 0.38
H α Narrow	40.53 ± 0.01	258 ± 63	108 ± 25	45.34 ± 0.56
Hα Broad	41.50 ± 0.01	2877 ± 75	1287 ± 25	425.19 ± 2.00
[N II] 6585	39.57 ± 0.07	258 ± 63	108 ± 25	5.03 ± 0.48
[S II] 6718	39.78 ± 0.04	258 ± 63	108 ± 25	8.32 ± 0.47
[S II] 6732	39.70 ± 0.05	258 ± 63	108 ± 25	6.89 ± 0.48

Emission Summary

H α broad SNR	13.80
H β broad SNR	3.83
H γ broad SNR	1.32
AGN frac	0.47
Host frac	0.53
$\log L_{5100, \text{Host}}$	42.77
Fe II/H β	0.33
Fe II/[O III]	0.43

Quality Flags

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