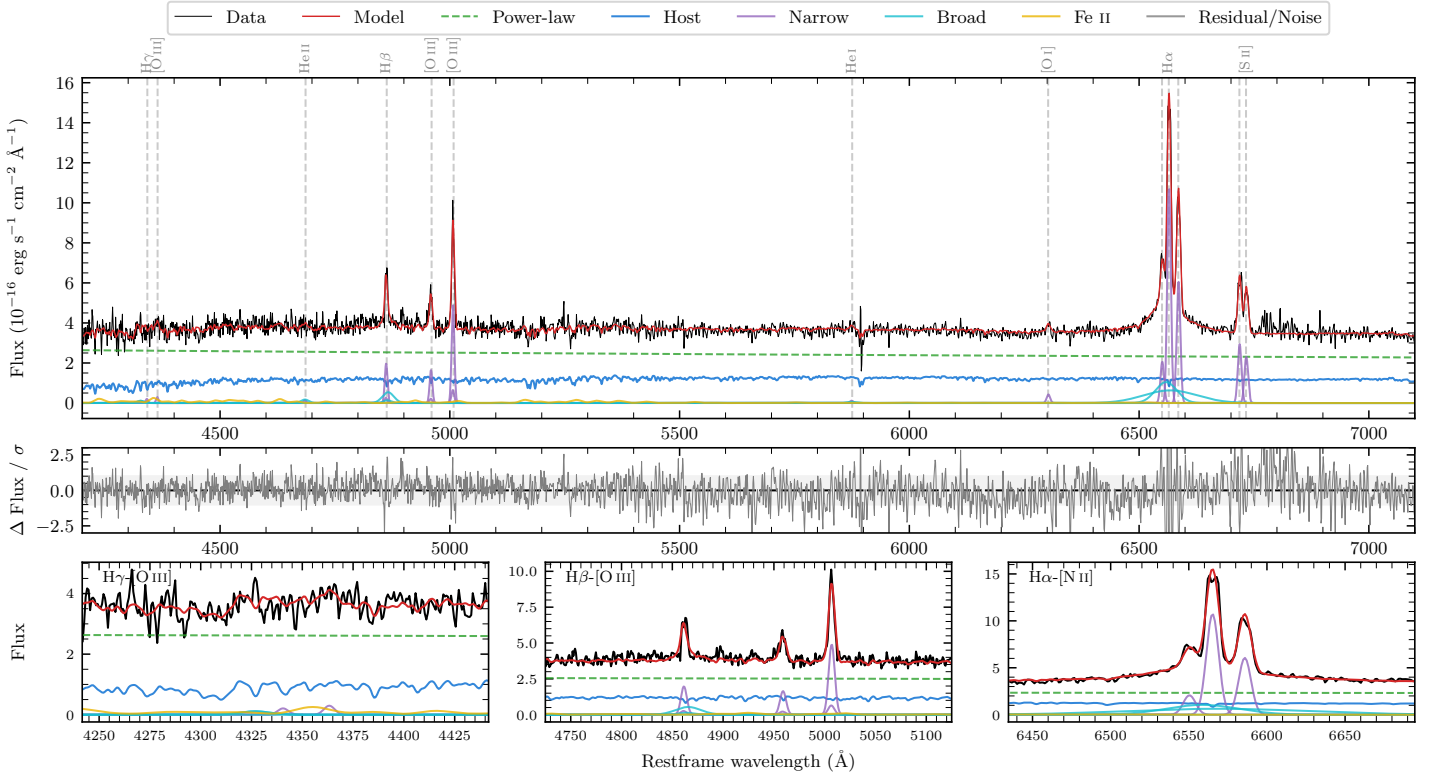
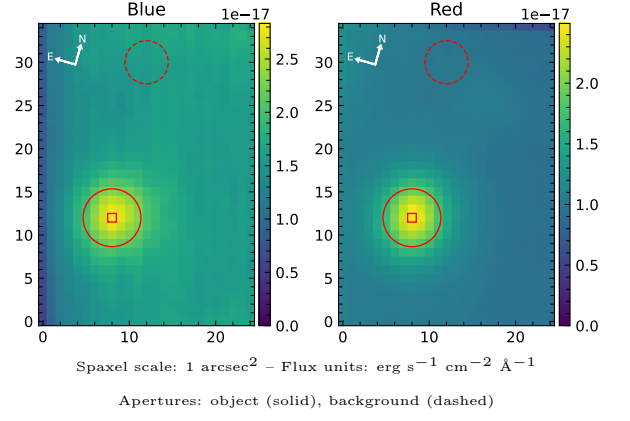


2dFGRS TGS059Z064

Spectrum ID	1507535_sp1	Spectrum type	Sy 1.5
Alt name	g2154565-234407	Quality flag	good
z	0.0687	AGN reference	6dFGS
RA, Dec	328.7355, -23.7351	MW $E(B-V)$	0.037
MJD	59439.56	Power law α_ν	-1.72 ± 0.05
SNR/ \AA B/R	9.3/19.9	$\log L_{5100, \text{AGN}}$	43.17 ± 0.02
Obs airmass	1.04	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.31 ± 0.10
SMSS ID	1507535	$\log M_{L5100}/M_\odot$	6.98 ± 0.07
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	7.10 ± 0.04
SMSS $\langle r_6^{\text{ap}} \rangle$	16.63 ± 0.04	$\log M_{\text{H}\beta}/M_\odot$	6.55 ± 0.10
2MASS K_{ext}	12.94 ± 0.09	$\log M_{[\text{O III}]} / M_\odot$	6.81 ± 0.08



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	39.31 ± 0.40	430 ± 62	181 ± 25	0.63 ± 0.46
Hγ Broad	—	—	—	—
[O III] 4364	39.38 ± 0.36	426 ± 62	181 ± 25	0.80 ± 0.48
He II Narrow	39.11 ± 0.47	426 ± 62	181 ± 25	0.43 ± 0.42
He II Broad	39.66 ± 0.35	1266 ± 62	537 ± 25	1.54 ± 0.73
H β Narrow	40.32 ± 0.06	430 ± 62	181 ± 25	6.94 ± 0.43
Hβ Broad	40.41 ± 0.10	1657 ± 131	633 ± 33	8.27 ± 0.89
[O III] 5007	40.72 ± 0.02	430 ± 62	181 ± 25	17.90 ± 0.46
He I Narrow	39.12 ± 0.38	426 ± 62	181 ± 25	0.48 ± 0.23
He I Broad	39.27 ± 0.43	1179 ± 62	500 ± 25	0.67 ± 0.42
[O I] 6300	39.70 ± 0.09	426 ± 62	181 ± 25	1.86 ± 0.23
H α Narrow	41.12 ± 0.01	426 ± 62	181 ± 25	48.92 ± 0.28
Hα Broad	41.28 ± 0.01	3295 ± 121	1666 ± 40	70.39 ± 1.05
[N II] 6585	40.87 ± 0.01	426 ± 62	181 ± 25	27.73 ± 0.27
[S II] 6718	40.57 ± 0.02	426 ± 62	181 ± 25	13.81 ± 0.29
[S II] 6732	40.47 ± 0.02	426 ± 62	181 ± 25	10.94 ± 0.29

Emission Summary

H α broad SNR	4.54
H β broad SNR	2.00
H γ broad SNR	0.81
AGN frac	0.71
Host frac	0.29
$\log L_{5100, \text{Host}}$	42.79
Fe II/H β	1.57
Fe II/[O III]	0.73

Quality Flags

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