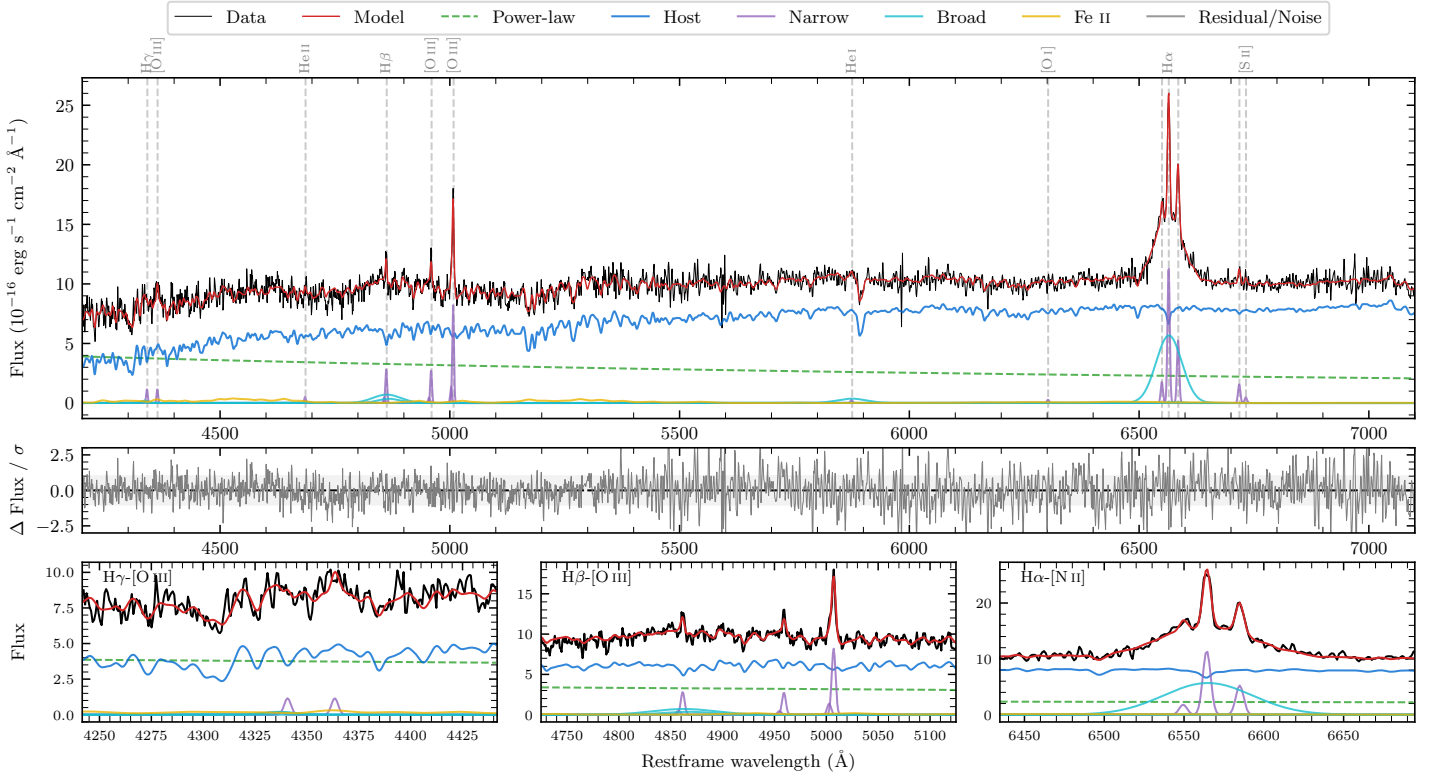
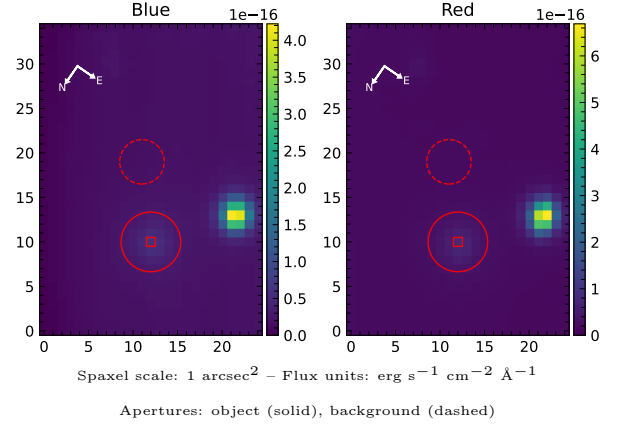


6dFGS gJ164026.3–664626

Spectrum ID	401114065_sp1	Spectrum type	Sy 1.5
Alt name	g1640263–664626	Quality flag	good
z	0.0531	AGN reference	6dFGS
RA, Dec	250.1097, –66.7739	MW $E(B - V)$	0.070
MJD	59671.79	Power law α_ν	-0.79 ± 0.19
SNR/ \AA B/R	13.2/26.5	$\log L_{5100, \text{AGN}}$	43.03 ± 0.05
Obs airmass	1.24	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.23 ± 0.07
SMSS ID	401114065	$\log M_{L5100}/M_\odot$	7.70 ± 0.06
Neighbour	9.9", 401114064	$\log M_{\text{H}\alpha}/M_\odot$	7.12 ± 0.03
SMSS $\langle r_{6''}^{\text{ap}} \rangle$	16.19 ± 0.06	$\log M_{\text{H}\beta}/M_\odot$	7.48 ± 0.08
2MASS K_{ext}	11.90 ± 0.09	$\log M_{[\text{O III}]} / M_\odot$	7.48 ± 0.07



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	39.59 ± 0.26	284 ± 63	145 ± 26	1.53 ± 0.50
Hγ Broad	—	—	—	—
[O III] 4364	39.53 ± 0.23	265 ± 62	112 ± 25	1.33 ± 0.43
He II Narrow	39.20 ± 0.38	265 ± 62	112 ± 25	0.68 ± 0.42
He II Broad	—	—	—	—
H β Narrow	40.03 ± 0.08	284 ± 63	145 ± 26	4.83 ± 0.47
Hβ Broad	40.74 ± 0.06	4055 ± 255	1527 ± 75	24.19 ± 1.84
[O III] 5007	40.50 ± 0.03	284 ± 63	145 ± 26	14.93 ± 0.49
He I Narrow	39.04 ± 0.37	265 ± 62	112 ± 25	0.62 ± 0.33
He I Broad	40.32 ± 0.09	3823 ± 62	1623 ± 25	11.92 ± 1.38
[O I] 6300	39.07 ± 0.32	265 ± 62	112 ± 25	0.73 ± 0.37
H α Narrow	40.70 ± 0.01	265 ± 62	112 ± 25	32.54 ± 0.50
Hα Broad	41.46 ± 0.01	2987 ± 64	1110 ± 25	185.22 ± 1.56
[N II] 6585	40.36 ± 0.03	265 ± 62	112 ± 25	14.96 ± 0.47
[S II] 6718	39.84 ± 0.07	265 ± 62	112 ± 25	4.67 ± 0.44
[S II] 6732	39.34 ± 0.22	265 ± 62	112 ± 25	1.45 ± 0.42

Emission Summary

H α broad SNR	8.49
H β broad SNR	1.64
H γ broad SNR	0.75
AGN frac	0.35
Host frac	0.65
$\log L_{5100, \text{Host}}$	43.30
Fe II/H β	1.06
Fe II/[O III]	1.77

Quality Flags

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