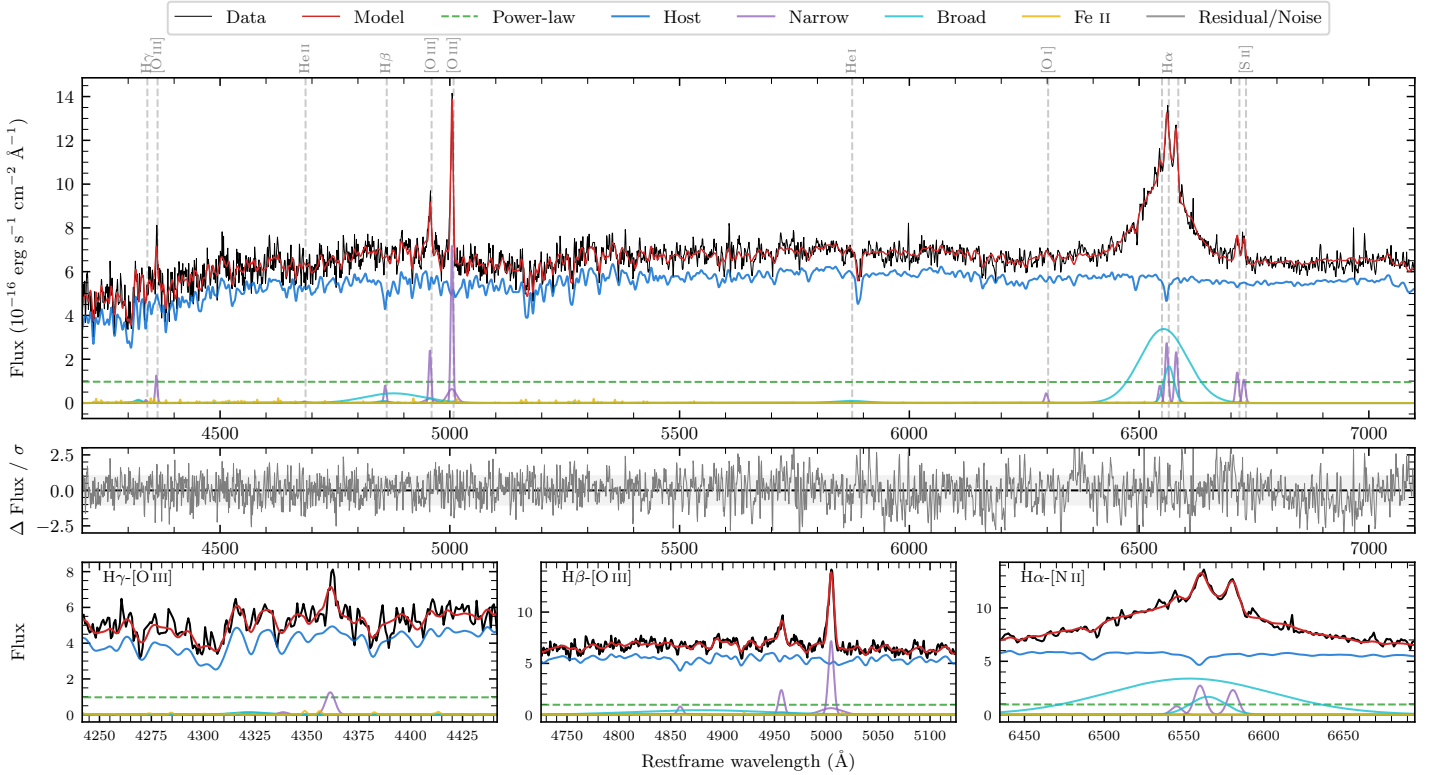
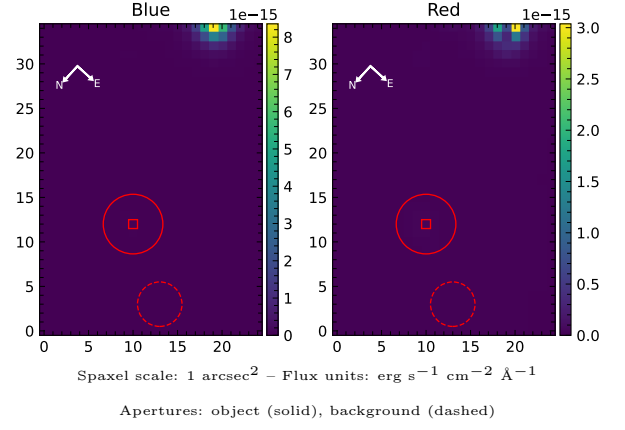


6dFGS gJ114127.3–505120

Spectrum ID	411098635_sp1	Spectrum type	Sy 1.5
Alt name	g1141273–505120	Quality flag	good
z	0.0495	AGN reference	6dFGS
RA, Dec	175.3638, –50.8554	MW $E(B - V)$	0.117
MJD	59347.46	Power law α_ν	-1.97 ± 0.04
SNR/ \AA B/R	14.6/29.4	$\log L_{5100, \text{AGN}}$	42.47 ± 0.11
Obs airmass	1.07	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.07 ± 0.06
SMSS ID	411098635	$\log M_{L5100}/M_\odot$	8.09 ± 0.11
Neighbour	10.4", 411098636	$\log M_{\text{H}\alpha}/M_\odot$	7.33 ± 0.04
SMSS $\langle r_6''_{\text{ap}} \rangle$	16.58 ± 0.05	$\log M_{\text{H}\beta}/M_\odot$	8.07 ± 0.11
2MASS K_{ext}	12.50 ± 0.11	$\log M_{[\text{O III}]} / M_\odot$	8.16 ± 0.10



Emission Line Measurements

Line	$\log L$ (erg s $^{-1}$)	FWHM (km s $^{-1}$)	σ (km s $^{-1}$)	EW (Å)
H γ Narrow	–	–	–	–
Hγ Broad	–	–	–	–
[O III] 4364	39.65 ± 0.11	368 ± 62	156 ± 25	7.75 ± 1.28
He II Narrow	–	–	–	–
He II Broad	–	–	–	–
H β Narrow	39.63 ± 0.15	391 ± 63	331 ± 38	7.40 ± 2.02
Hβ Broad	40.67 ± 0.06	8330 ± 869	3318 ± 47	79.46 ± 5.53
[O III] 5007	40.60 ± 0.02	391 ± 63	331 ± 38	68.40 ± 2.10
He I Narrow	–	–	–	–
He I Broad	39.76 ± 0.19	4421 ± 62	1877 ± 25	10.10 ± 2.38
[O I] 6300	39.37 ± 0.12	368 ± 62	156 ± 25	4.03 ± 0.66
H α Narrow	40.17 ± 0.03	368 ± 62	156 ± 25	25.66 ± 0.86
Hα Broad	41.48 ± 0.01	3729 ± 166	1878 ± 25	528.91 ± 2.91
[N II] 6585	40.10 ± 0.03	368 ± 62	156 ± 25	21.86 ± 0.84
[S II] 6718	39.89 ± 0.04	368 ± 62	156 ± 25	13.36 ± 0.70
[S II] 6732	39.77 ± 0.05	368 ± 62	156 ± 25	10.34 ± 0.69

Emission Summary

H α broad SNR	11.74
H β broad SNR	1.23
H γ broad SNR	0.73
AGN frac	0.15
Host frac	0.85
$\log L_{5100, \text{Host}}$	43.21
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	1