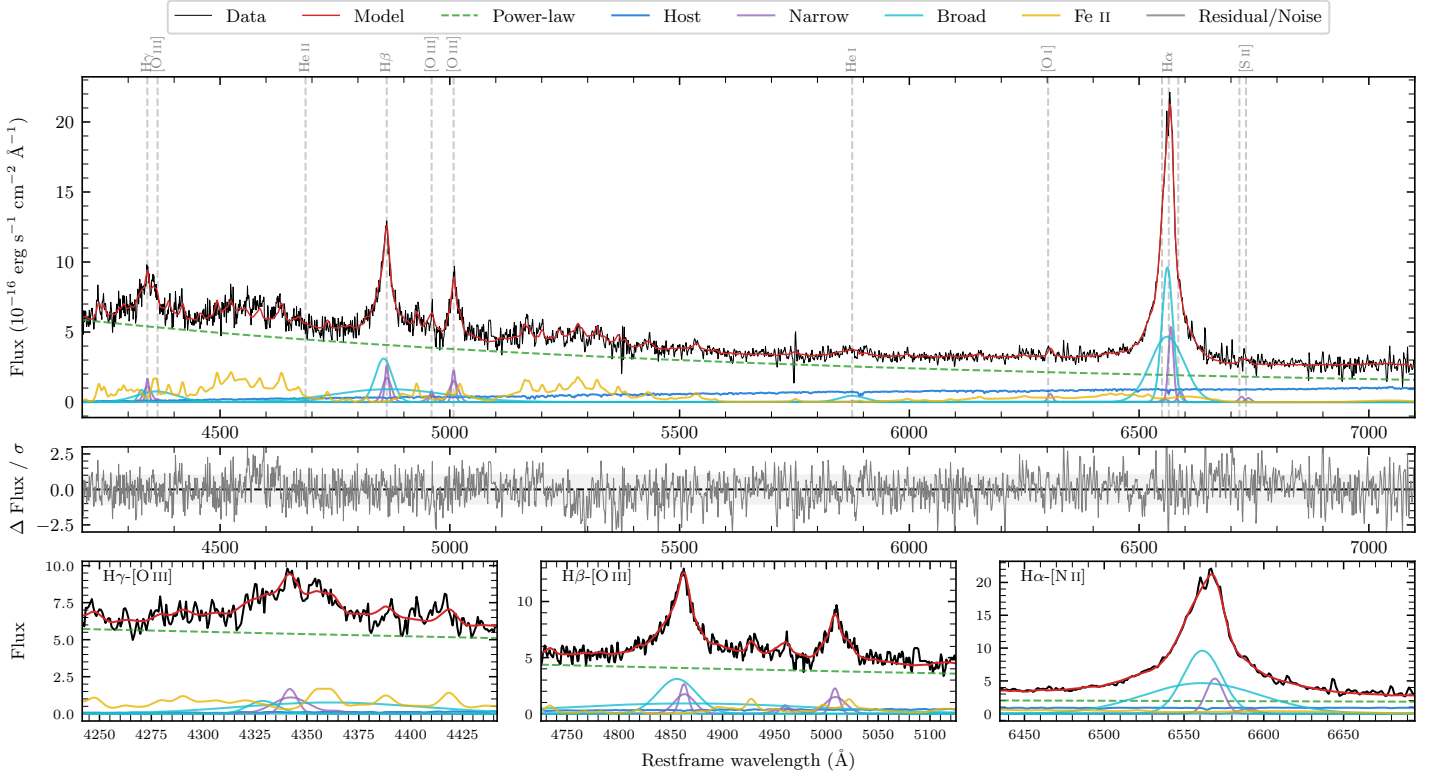
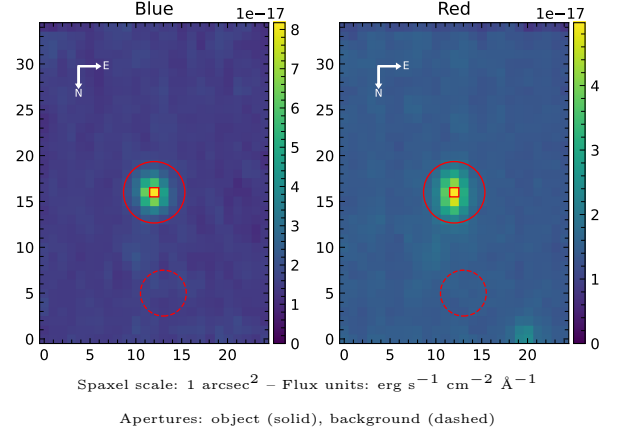


6dFGS gJ203419.4–113959

Spectrum ID	298599135_sp1	Spectrum type	Sy 1.2
Alt name	g2034194–113959	Quality flag	good
z	0.0958	AGN reference	6dFGS
RA, Dec	308.5809, –11.6663	MW $E(B - V)$	0.046
MJD	60082.75	Power law α_ν	0.49 ± 0.01
SNR/ \AA B/R	11.9/11.7	$\log L_{5100, \text{AGN}}$	43.63 ± 0.01
Obs airmass	1.10	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.37 ± 0.26
SMSS ID	298599135	$\log M_{L5100}/M_\odot$	7.60 ± 0.01
Neighbour	6.7", 298599134	$\log M_{H\alpha}/M_\odot$	7.11 ± 0.04
SMSS $\langle r_6''_{\text{ap}} \rangle$	17.11 ± 0.14	$\log M_{H\beta}/M_\odot$	7.49 ± 0.12
2MASS K_{ext}	nan \pm nan	$\log M_{[\text{O III}]} / M_\odot$	7.46 ± 0.03



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	41.00 ± 0.05	783 ± 77	495 ± 31	7.98 ± 0.51
Hγ Broad	41.40 ± 0.05	3929 ± 1664	2434 ± 50	20.41 ± 1.16
[O III] 4364	39.60 ± 0.45	595 ± 65	252 ± 26	0.32 ± 0.31
He II Narrow	–	–	–	–
He II Broad	–	–	–	–
H β Narrow	41.25 ± 0.04	783 ± 77	495 ± 31	18.76 ± 0.65
Hβ Broad	$41.56^{+0.47}_{-0.03}$	2681 ± 37	988 ± 25	38.53 ± 0.89
[O III] 5007	41.19 ± 0.03	783 ± 77	495 ± 31	17.79 ± 0.77
He I Narrow	–	–	–	–
He I Broad	40.91 ± 0.05	3438 ± 67	1460 ± 27	13.87 ± 1.00
[O I] 6300	40.30 ± 0.08	595 ± 65	252 ± 26	4.07 ± 0.50
H α Narrow	41.27 ± 0.03	595 ± 65	252 ± 26	42.37 ± 0.67
Hα Broad	42.26 ± 0.01	1667 ± 66	969 ± 25	407.03 ± 1.74
[N II] 6585	40.42 ± 0.09	595 ± 65	252 ± 26	5.97 ± 0.72
[S II] 6718	40.13 ± 0.14	595 ± 65	252 ± 26	3.28 ± 0.75
[S II] 6732	40.02 ± 0.16	595 ± 65	252 ± 26	2.53 ± 0.73

Emission Summary

H α broad SNR	31.31
H β broad SNR	6.81
H γ broad SNR	3.21
AGN frac	0.91
Host frac	0.09
$\log L_{5100, \text{Host}}$	42.61
Fe II/H β	–
Fe II/[O III]	–

Quality Flags

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