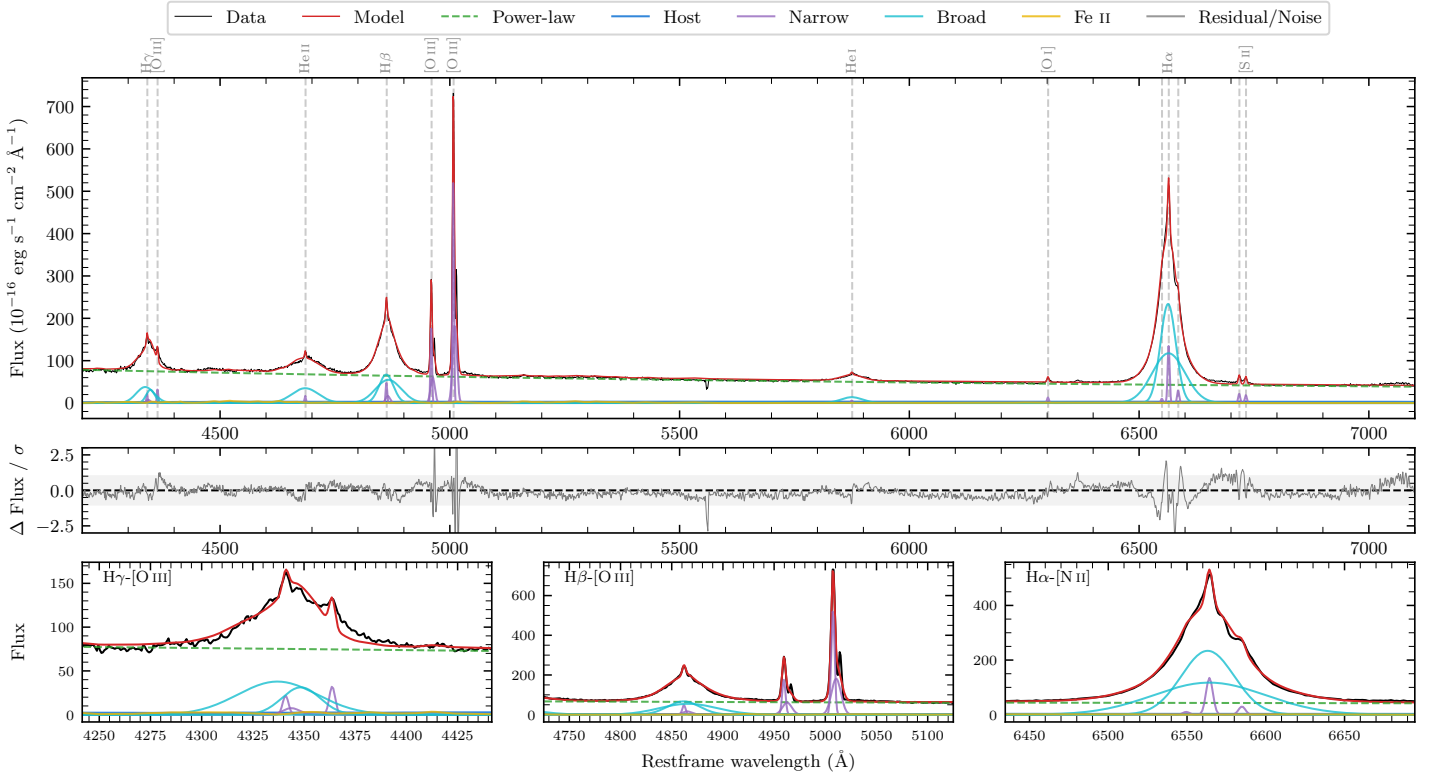
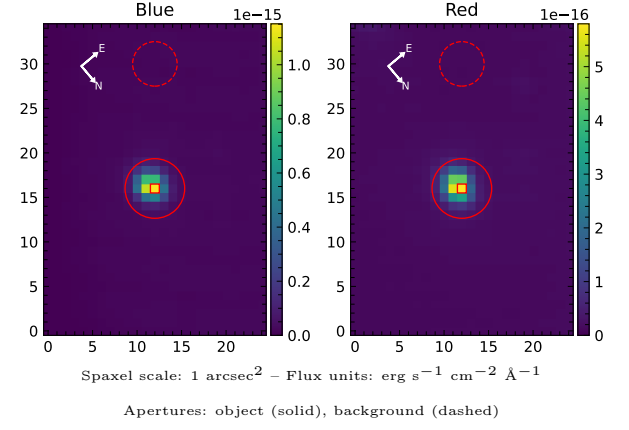


ATO J176.4186–18.4541

Spectrum ID	91966198_sp2	Spectrum type	Sy 1.5
Alt name	g1145405–182715	Quality flag	good
z	0.0325	AGN reference	6dFGS
RA, Dec	176.4187, –18.4542	MW $E(B - V)$	0.033
MJD	60414.45	Power law α_ν	-0.65 ± 0.09
SNR/ \AA B/R	7.7/9.1	$\log L_{5100, \text{AGN}}$	43.88 ± 0.02
Obs airmass	1.09	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.18 ± 0.03
SMSS ID	91966198	$\log M_{L5100}/M_\odot$	7.75 ± 0.06
Neighbour	13.6", 91966199	$\log M_{\text{H}\alpha}/M_\odot$	7.62 ± 0.05
SMSS $\langle r_6^{\text{ap}} \rangle$	nan \pm nan	$\log M_{\text{H}\beta}/M_\odot$	7.83 ± 0.06
2MASS K_{ext}	11.37 ± 0.08	$\log M_{[\text{O III}]} / M_\odot$	7.92 ± 0.06



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	40.60 ± 0.19	286 ± 63	229 ± 27	2.12 ± 0.53
Hγ Broad	41.85 ± 0.03	2900 ± 435	1047 ± 95	35.42 ± 1.11
[O III] 4364	40.46 ± 0.21	236 ± 63	99 ± 25	1.61 ± 0.31
He II Narrow	40.22 ± 0.20	236 ± 63	99 ± 25	1.00 ± 0.29
He II Broad	41.82 ± 0.05	4325 ± 718	1837 ± 305	38.43 ± 1.19
H β Narrow	40.99 ± 0.09	286 ± 63	229 ± 27	6.15 ± 0.59
Hβ Broad	42.22 ± 0.02	2816 ± 205	1188 ± 172	103.88 ± 1.25
[O III] 5007	42.04 ± 0.01	286 ± 63	229 ± 27	71.29 ± 0.64
He I Narrow	39.86 ± 0.27	236 ± 63	99 ± 25	0.60 ± 0.26
He I Broad	41.30 ± 0.11	2799 ± 742	1188 ± 315	16.68 ± 0.88
[O I] 6300	40.24 ± 0.14	236 ± 63	99 ± 25	1.55 ± 0.27
H α Narrow	41.27 ± 0.05	236 ± 63	99 ± 25	17.52 ± 0.63
Hα Broad	42.71 ± 0.01	2182 ± 90	992 ± 54	488.56 ± 1.54
[N II] 6585	40.62 ± 0.13	236 ± 63	99 ± 25	3.92 ± 0.50
[S II] 6718	40.49 ± 0.08	236 ± 63	99 ± 25	3.02 ± 0.31
[S II] 6732	40.42 ± 0.10	236 ± 63	99 ± 25	2.57 ± 0.30

Emission Summary

H α broad SNR	36.92
H β broad SNR	12.83
H γ broad SNR	6.47
AGN frac	0.95
Host frac	0.05
$\log L_{5100, \text{Host}}$	42.57
Fe II/H β	0.14
Fe II/[O III]	0.21

Quality Flags

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