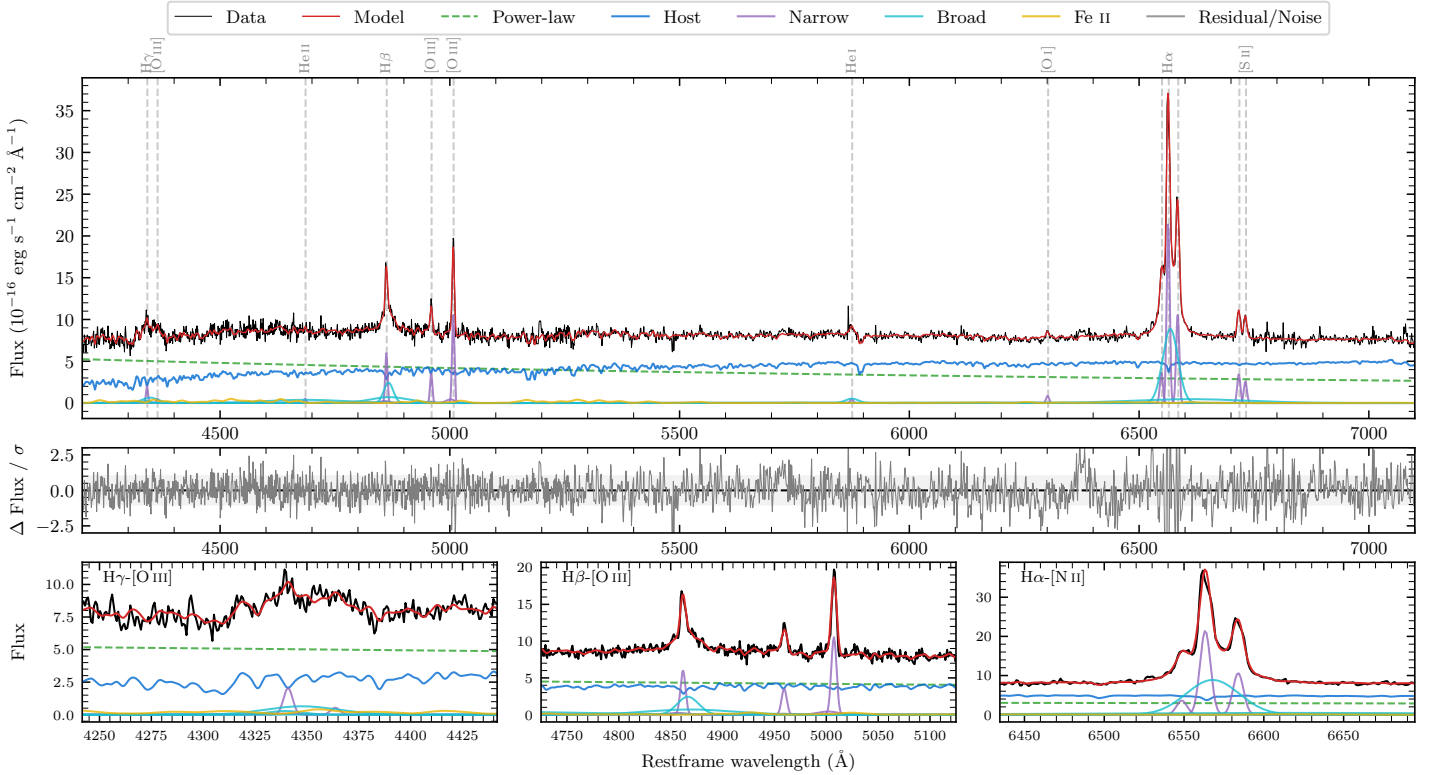
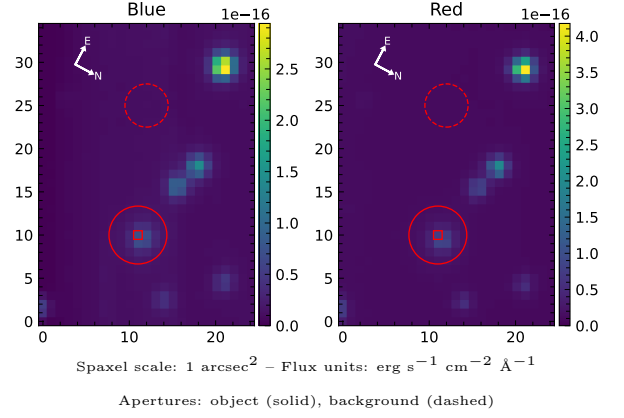


2MASS J08200308–1741507

Spectrum ID	70014132_sp1	Spectrum type	Sy 1.5
Alt name	g0820031–174151	Quality flag	good
z	0.0736	AGN reference	6dFGS
RA, Dec	125.0129, –17.6975	MW $E(B - V)$	0.111
MJD	59668.48	Power law α_ν	-0.71 ± 0.19
SNR/ \AA B/R	14.1/25.0	$\log L_{5100, \text{AGN}}$	43.44 ± 0.03
Obs airmass	1.10	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.25 ± 0.04
SMSS ID	70014132	$\log M_{L5100}/M_\odot$	7.16 ± 0.06
Neighbour	7.5", 70014131	$\log M_{\text{H}\alpha}/M_\odot$	6.95 ± 0.03
SMSS $\langle r_6''_{\text{ap}} \rangle$	16.71 ± 0.05	$\log M_{\text{H}\beta}/M_\odot$	7.00 ± 0.07
2MASS K_{ext}	12.67 ± 0.19	$\log M_{[\text{O III}]} / M_\odot$	7.02 ± 0.07



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	40.27 ± 0.12	364 ± 63	289 ± 49	2.77 ± 0.62
Hγ Broad	40.71 ± 0.11	2432 ± 426	930 ± 89	7.25 ± 0.92
[O III] 4364	39.62 ± 0.32	356 ± 63	150 ± 25	0.63 ± 0.31
He II Narrow	39.66 ± 0.28	356 ± 63	150 ± 25	0.75 ± 0.31
He II Broad	41.08 ± 0.08	13130 ± 143	5576 ± 60	19.79 ± 2.01
H β Narrow	40.79 ± 0.04	364 ± 63	289 ± 49	10.57 ± 0.64
Hβ Broad	41.29 ± 0.03	1762 ± 126	1276 ± 88	33.82 ± 1.40
[O III] 5007	41.04 ± 0.02	364 ± 63	289 ± 49	19.80 ± 0.70
He I Narrow	39.72 ± 0.20	356 ± 63	150 ± 25	1.17 ± 0.29
He I Broad	40.43 ± 0.08	1637 ± 107	695 ± 45	5.81 ± 0.56
[O I] 6300	39.98 ± 0.07	356 ± 63	150 ± 25	2.33 ± 0.26
H α Narrow	41.40 ± 0.01	356 ± 63	150 ± 25	64.43 ± 0.37
Hα Broad	41.86 ± 0.01	1842 ± 65	1222 ± 52	187.58 ± 2.18
[N II] 6585	41.10 ± 0.01	356 ± 63	150 ± 25	32.17 ± 0.35
[S II] 6718	40.62 ± 0.02	356 ± 63	150 ± 25	10.92 ± 0.35
[S II] 6732	40.49 ± 0.03	356 ± 63	150 ± 25	8.20 ± 0.39

Emission Summary

H α broad SNR	16.57
H β broad SNR	5.60
H γ broad SNR	1.69
AGN frac	0.53
Host frac	0.47
$\log L_{5100, \text{Host}}$	43.39
Fe II/H β	0.60
Fe II/[O III]	1.06

Quality Flags

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