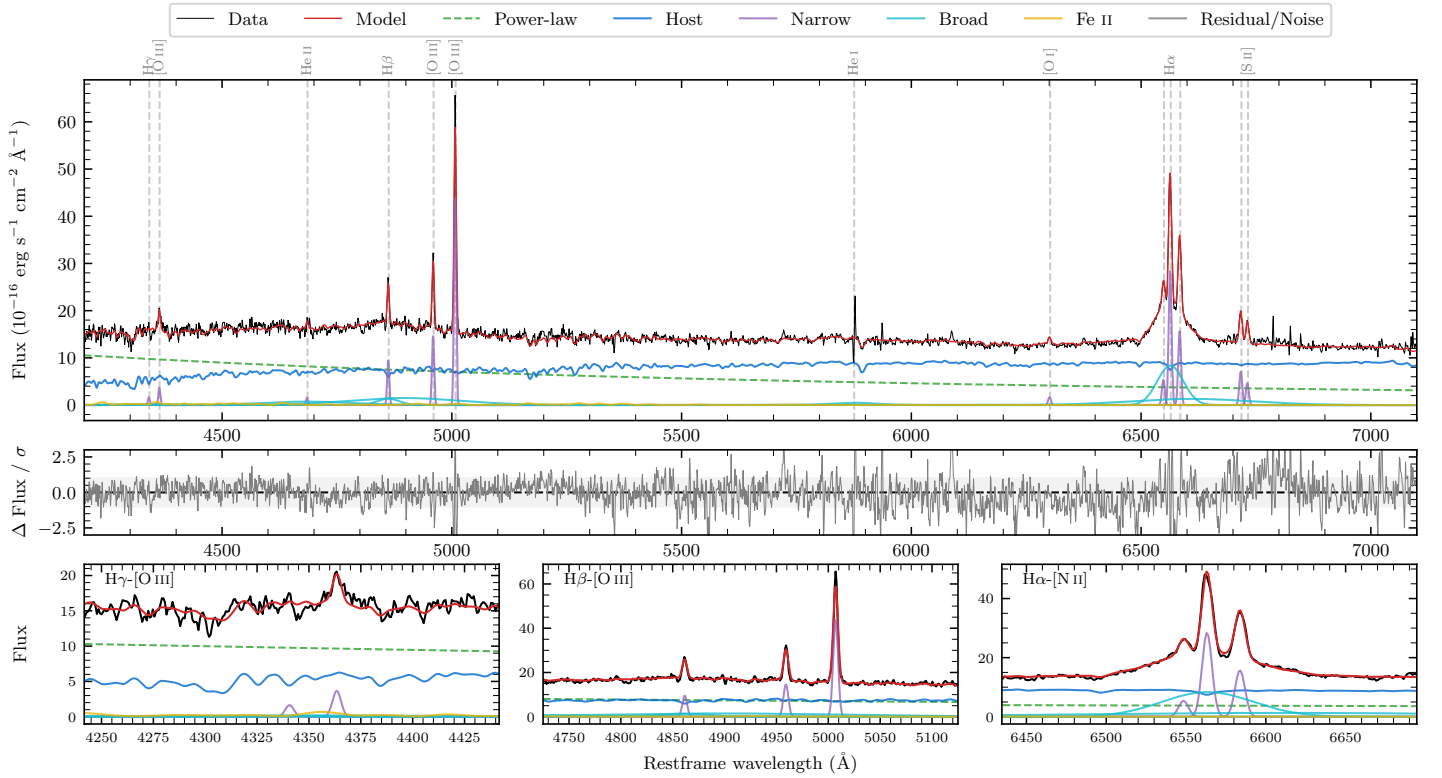
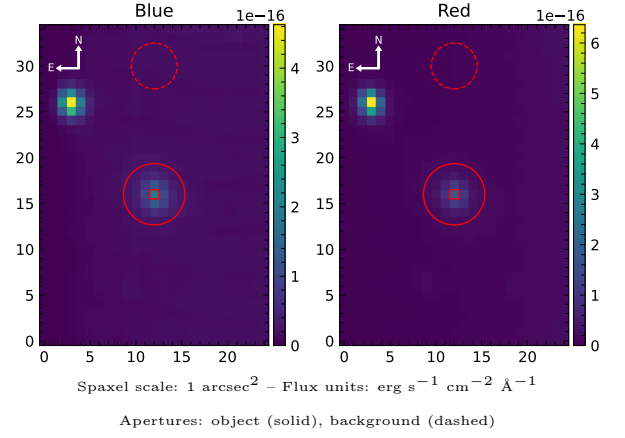


# 2MASS J06295686–2658318

Spectrum ID	33137704_sp1	Spectrum type	Sy 1.8
Alt name	g0629569–265832	Quality flag	good
$z$	0.0721	AGN reference	6dFGS
RA, Dec	97.4869, –26.9755	MW $E(B - V)$	0.048
MJD	60019.42	Power law $\alpha_\nu$	$0.32 \pm 0.13$
SNR/ $\text{\AA}$ B/R	14.4/28.5	$\log L_{5100, \text{AGN}}$	$43.64 \pm 0.02$
Obs airmass	1.04	$\log H\beta_{\text{Br}}/[\text{O III}]$	$-0.52 \pm 0.46$
SMSS ID	33137704	$\log M_{L5100}/M_\odot$	$7.82 \pm 0.02$
Neighbour	9.6", 33137703	$\log M_{\text{H}\alpha}/M_\odot$	$7.65 \pm 0.02$
SMSS $\langle r_{6''}^{\text{ap}} \rangle$	$15.92 \pm 0.05$	$\log M_{\text{H}\beta}/M_\odot$	$7.47 \pm 0.22$
2MASS $K_{\text{ext}}$	$12.24 \pm 0.08$	$\log M_{[\text{O III}]} / M_\odot$	$7.86 \pm 0.01$



## Emission Line Measurements

Line	$\log L$ (erg s $^{-1}$ )	FWHM (km s $^{-1}$ )	$\sigma$ (km s $^{-1}$ )	EW (Å)
H $\gamma$ Narrow	$40.07 \pm 0.24$	$336 \pm 63$	$146 \pm 25$	$0.94 \pm 0.44$
<b>H<math>\gamma</math> Broad</b>	–	–	–	–
[O III] 4364	$40.42 \pm 0.11$	$337 \pm 62$	$142 \pm 25$	$2.12 \pm 0.31$
He II Narrow	$40.08 \pm 0.20$	$337 \pm 62$	$142 \pm 25$	$1.14 \pm 0.32$
<b>He II Broad</b>	–	–	–	–
H $\beta$ Narrow	$40.88 \pm 0.04$	$336 \pm 63$	$146 \pm 25$	$7.92 \pm 0.54$
<b>H<math>\beta</math> Broad</b>	$41.04^{+0.83}_{-0.08}$	<b><math>3432 \pm 38</math></b>	<b><math>1286 \pm 25</math></b>	<b><math>11.51 \pm 1.10</math></b>
[O III] 5007	$41.56 \pm 0.01$	$336 \pm 63$	$146 \pm 25$	$39.90 \pm 0.61$
He I Narrow	–	–	–	–
<b>He I Broad</b>	<b><math>40.93 \pm 0.06</math></b>	<b><math>5929 \pm 70</math></b>	<b><math>2518 \pm 28</math></b>	<b><math>13.78 \pm 1.10</math></b>
[O I] 6300	$40.23 \pm 0.06$	$337 \pm 62$	$142 \pm 25$	$3.25 \pm 0.28$
H $\alpha$ Narrow	$41.48 \pm 0.01$	$337 \pm 62$	$142 \pm 25$	$63.42 \pm 0.39$
<b>H<math>\alpha</math> Broad</b>	<b><math>42.15 \pm 0.01</math></b>	<b><math>3372 \pm 69</math></b>	<b><math>2401 \pm 41</math></b>	<b><math>297.92 \pm 2.58</math></b>
[N II] 6585	$41.23 \pm 0.01$	$337 \pm 62$	$142 \pm 25$	$35.39 \pm 0.38$
[S II] 6718	$40.89 \pm 0.02$	$337 \pm 62$	$142 \pm 25$	$17.07 \pm 0.44$
[S II] 6732	$40.70 \pm 0.03$	$337 \pm 62$	$142 \pm 25$	$11.19 \pm 0.40$

## Emission Summary

H $\alpha$ broad SNR	9.72
H $\beta$ broad SNR	1.38
H $\gamma$ broad SNR	0.42
AGN frac	0.48
Host frac	0.52
$\log L_{5100, \text{Host}}$	43.67
Fe II/H $\beta$	–
Fe II/[O III]	–

## Quality Flags

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