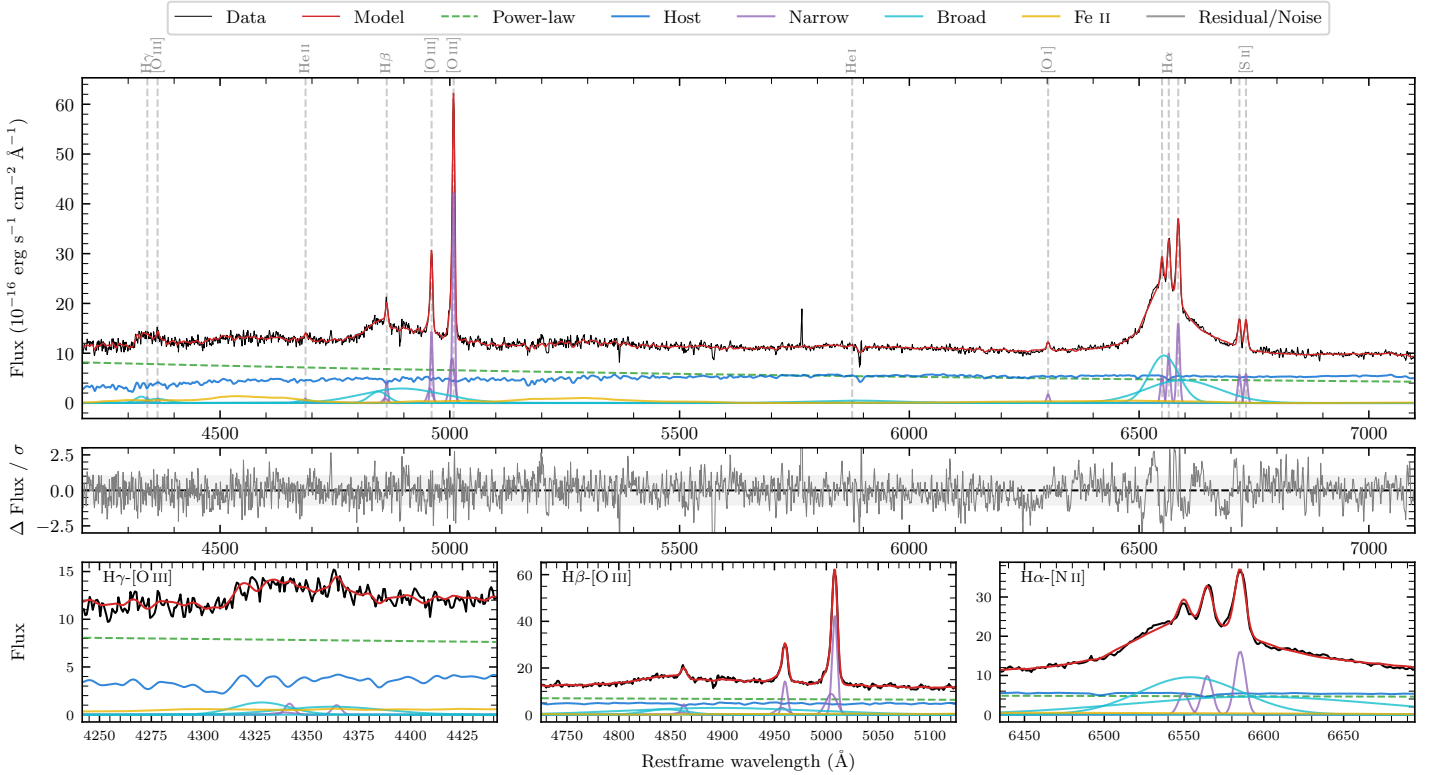
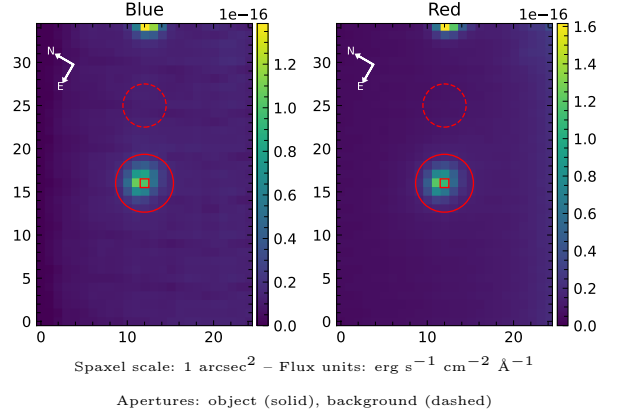


# LEDA 975127

Spectrum ID	73661627_sp3	Spectrum type	Sy 1.5
Alt name	g0814187-104101	Quality flag	good
$z$	0.0691	AGN reference	6dFGS
RA, Dec	123.5778, -10.6835	MW $E(B - V)$	0.113
MJD	60382.45	Power law $\alpha_\nu$	$-0.77 \pm 0.14$
SNR/ $\text{\AA}$ B/R	18.7/24.3	$\log L_{5100, \text{AGN}}$	$43.58 \pm 0.02$
Obs airmass	1.07	$\log H\beta_{\text{Br}}/[\text{O III}]$	$0.28 \pm 0.01$
SMSS ID	73661627	$\log M_{L5100}/M_\odot$	$8.58 \pm 0.05$
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	$7.99 \pm 0.02$
SMSS $\langle r_6''_{\text{ap}} \rangle$	$16.80 \pm 0.09$	$\log M_{\text{H}\beta}/M_\odot$	$8.68 \pm 0.05$
2MASS $K_{\text{ext}}$	$12.49 \pm 0.09$	$\log M_{[\text{O III}]} / M_\odot$	$8.71 \pm 0.05$



## Emission Line Measurements

Line	$\log L$ ( $\text{erg s}^{-1}$ )	FWHM ( $\text{km s}^{-1}$ )	$\sigma$ ( $\text{km s}^{-1}$ )	EW ( $\text{\AA}$ )
H $\gamma$ Narrow	$40.06 \pm 0.17$	$398 \pm 63$	$240 \pm 26$	$1.26 \pm 0.40$
<b>H<math>\gamma</math> Broad</b>	<b><math>41.07 \pm 0.06</math></b>	<b><math>3799 \pm 953</math></b>	<b><math>1584 \pm 65</math></b>	<b><math>12.95 \pm 0.78</math></b>
[O III] 4364	$39.84 \pm 0.22$	$358 \pm 63$	$151 \pm 25$	$0.76 \pm 0.23$
He II Narrow	$39.87 \pm 0.19$	$358 \pm 63$	$151 \pm 25$	$0.88 \pm 0.22$
<b>He II Broad</b>	<b><math>40.50 \pm 0.12</math></b>	<b><math>2399 \pm 230</math></b>	<b><math>1019 \pm 97</math></b>	<b><math>3.84 \pm 0.58</math></b>
H $\beta$ Narrow	$40.69 \pm 0.04$	$398 \pm 63$	$240 \pm 26$	$6.19 \pm 0.35$
<b>H<math>\beta</math> Broad</b>	<b><math>41.97 \pm 0.01</math></b>	<b><math>8514 \pm 474</math></b>	<b><math>4223 \pm 59</math></b>	<b><math>119.12 \pm 1.60</math></b>
[O III] 5007	$41.69 \pm 0.01$	$398 \pm 63$	$240 \pm 26$	$63.51 \pm 0.41$
He I Narrow	$39.23 \pm 0.39$	$358 \pm 63$	$151 \pm 25$	$0.27 \pm 0.22$
<b>He I Broad</b>	<b><math>41.19 \pm 0.05</math></b>	<b><math>12027 \pm 174</math></b>	<b><math>5107 \pm 74</math></b>	<b><math>24.60 \pm 1.39</math></b>
[O I] 6300	$40.24 \pm 0.05$	$358 \pm 63$	$151 \pm 25$	$2.99 \pm 0.25$
H $\alpha$ Narrow	$41.01 \pm 0.02$	$358 \pm 63$	$151 \pm 25$	$18.66 \pm 0.33$
<b>H<math>\alpha</math> Broad</b>	<b><math>42.32 \pm 0.01</math></b>	<b><math>4386 \pm 76</math></b>	<b><math>2251 \pm 31</math></b>	<b><math>382.65 \pm 1.55</math></b>
[N II] 6585	$41.22 \pm 0.01$	$358 \pm 63$	$151 \pm 25$	$30.62 \pm 0.36$
[S II] 6718	$40.78 \pm 0.02$	$358 \pm 63$	$151 \pm 25$	$11.37 \pm 0.35$
[S II] 6732	$40.79 \pm 0.02$	$358 \pm 63$	$151 \pm 25$	$11.65 \pm 0.34$

## Emission Summary

H $\alpha$ broad SNR	20.24
H $\beta$ broad SNR	7.11
H $\gamma$ broad SNR	2.42
AGN frac	0.58
Host frac	0.42
$\log L_{5100, \text{Host}}$	43.44
Fe II/H $\beta$	0.41
Fe II/[O III]	0.79

## Quality Flags

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