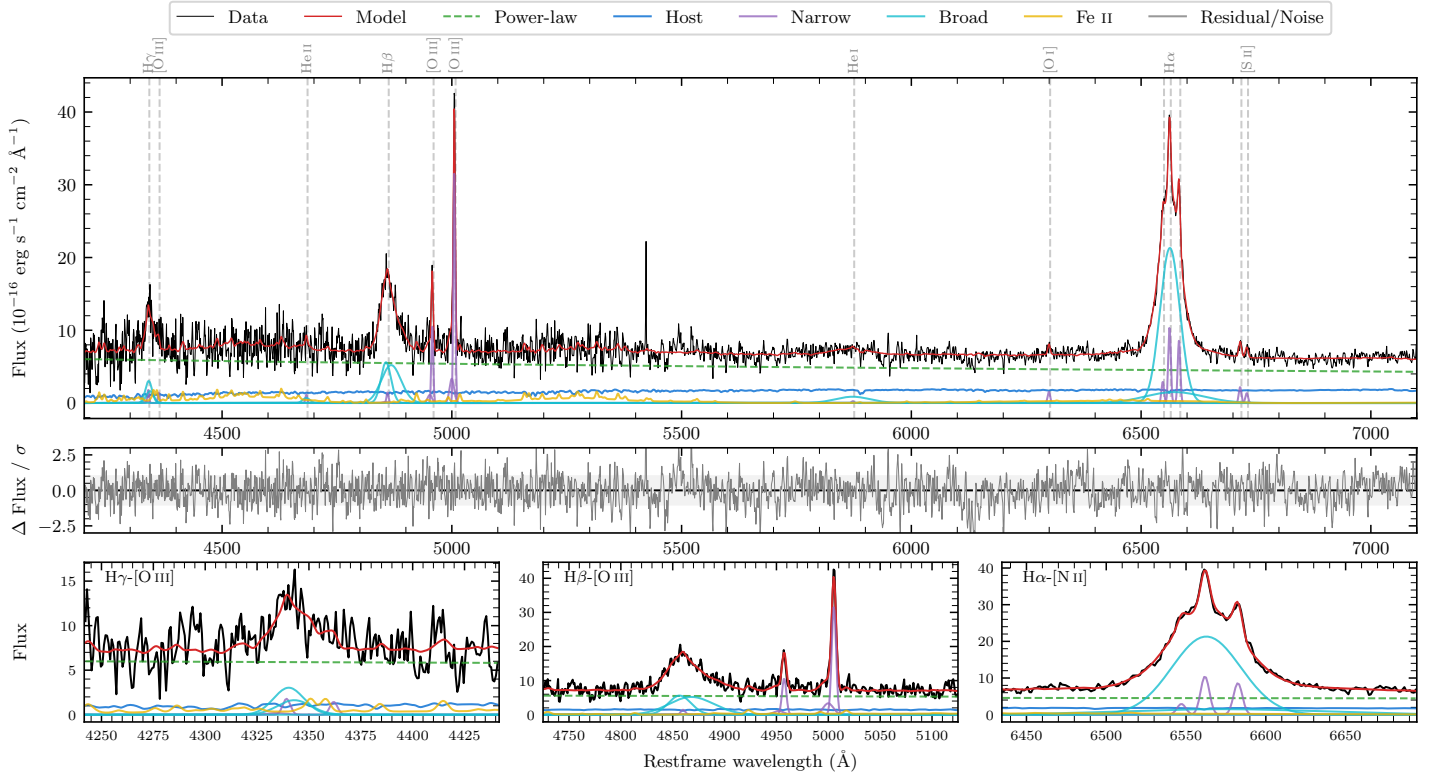
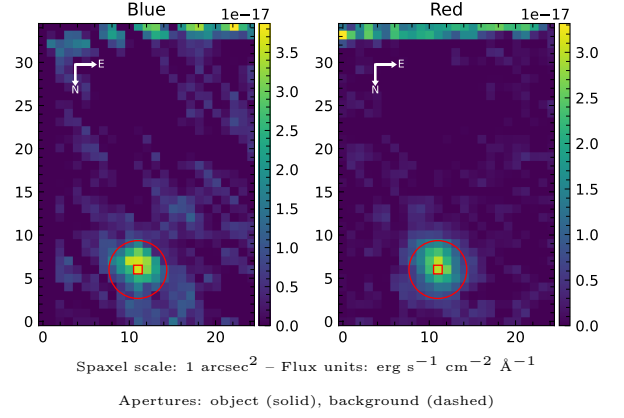


# LEDA 962294

Spectrum ID	24364048_sp1	Spectrum type	Sy 1.2
Alt name	3178283328120135296	Quality flag	good
$z$	0.0584	AGN reference	AllBRICS2
RA, Dec	68.8856, -11.7405	MW $E(B - V)$	0.057
MJD	60871.79	Power law $\alpha_\nu$	$-1.35 \pm 0.19$
SNR/ $\text{\AA}$ B/R	5.1/10.0	$\log L_{5100, \text{AGN}}$	$43.36 \pm 0.03$
Obs airmass	1.98	$\log H\beta_{\text{Br}}/[\text{O III}]$	$0.32 \pm 0.03$
SMSS ID	24364048	$\log M_{L5100}/M_\odot$	$7.34 \pm 0.06$
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	$7.33 \pm 0.02$
SMSS $\langle r_6'' \text{ap} \rangle$	$16.28 \pm 0.04$	$\log M_{\text{H}\beta}/M_\odot$	$7.35 \pm 0.06$
2MASS $K_{\text{ext}}$	$12.90 \pm 0.11$	$\log M_{[\text{O III}]} / M_\odot$	$7.35 \pm 0.06$



## 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	$39.95 \pm 0.36$	$313 \pm 63$	$217 \pm 30$	$1.82 \pm 1.09$
<b>H<math>\gamma</math> Broad</b>	<b><math>40.91 \pm 0.08</math></b>	<b><math>1232 \pm 75</math></b>	<b><math>438 \pm 26</math></b>	<b><math>15.76 \pm 1.59</math></b>
[O III] 4364	$39.77 \pm 0.34$	$300 \pm 63$	$126 \pm 25$	$1.19 \pm 0.73$
He II Narrow	$39.70 \pm 0.40$	$300 \pm 63$	$126 \pm 25$	$1.06 \pm 0.66$
<b>He II Broad</b>	<b><math>40.09 \pm 0.34</math></b>	<b><math>1179 \pm 62</math></b>	<b><math>500 \pm 25</math></b>	<b><math>2.60 \pm 1.29</math></b>
H $\beta$ Narrow	$39.91 \pm 0.33$	$313 \pm 63$	$217 \pm 30$	$1.79 \pm 0.88$
<b>H<math>\beta</math> Broad</b>	<b><math>41.58 \pm 0.02</math></b>	<b><math>2266 \pm 149</math></b>	<b><math>969 \pm 34</math></b>	<b><math>83.73 \pm 2.03</math></b>
[O III] 5007	$41.27 \pm 0.02$	$313 \pm 63$	$217 \pm 30$	$40.97 \pm 0.94$
He I Narrow	—	—	—	—
<b>He I Broad</b>	<b><math>40.86 \pm 0.07</math></b>	<b><math>4506 \pm 68</math></b>	<b><math>1913 \pm 27</math></b>	<b><math>17.77 \pm 1.58</math></b>
[O I] 6300	$39.96 \pm 0.11$	$300 \pm 63$	$126 \pm 25$	$2.33 \pm 0.36$
H $\alpha$ Narrow	$40.81 \pm 0.03$	$300 \pm 63$	$126 \pm 25$	$16.93 \pm 0.48$
<b>H<math>\alpha</math> Broad</b>	<b><math>42.09 \pm 0.01</math></b>	<b><math>2417 \pm 65</math></b>	<b><math>1021 \pm 34</math></b>	<b><math>325.64 \pm 1.92</math></b>
[N II] 6585	$40.72 \pm 0.03$	$300 \pm 63$	$126 \pm 25$	$14.03 \pm 0.45$
[S II] 6718	$40.14 \pm 0.07$	$300 \pm 63$	$126 \pm 25$	$3.71 \pm 0.45$
[S II] 6732	$39.93 \pm 0.11$	$300 \pm 63$	$126 \pm 25$	$2.31 \pm 0.37$

## Emission Summary

H $\alpha$ broad SNR	15.70
H $\beta$ broad SNR	7.07
H $\gamma$ broad SNR	3.34
AGN frac	0.79
Host frac	0.22
$\log L_{5100, \text{Host}}$	42.79
Fe II/H $\beta$	0.69
Fe II/[O III]	1.44

## Quality Flags

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