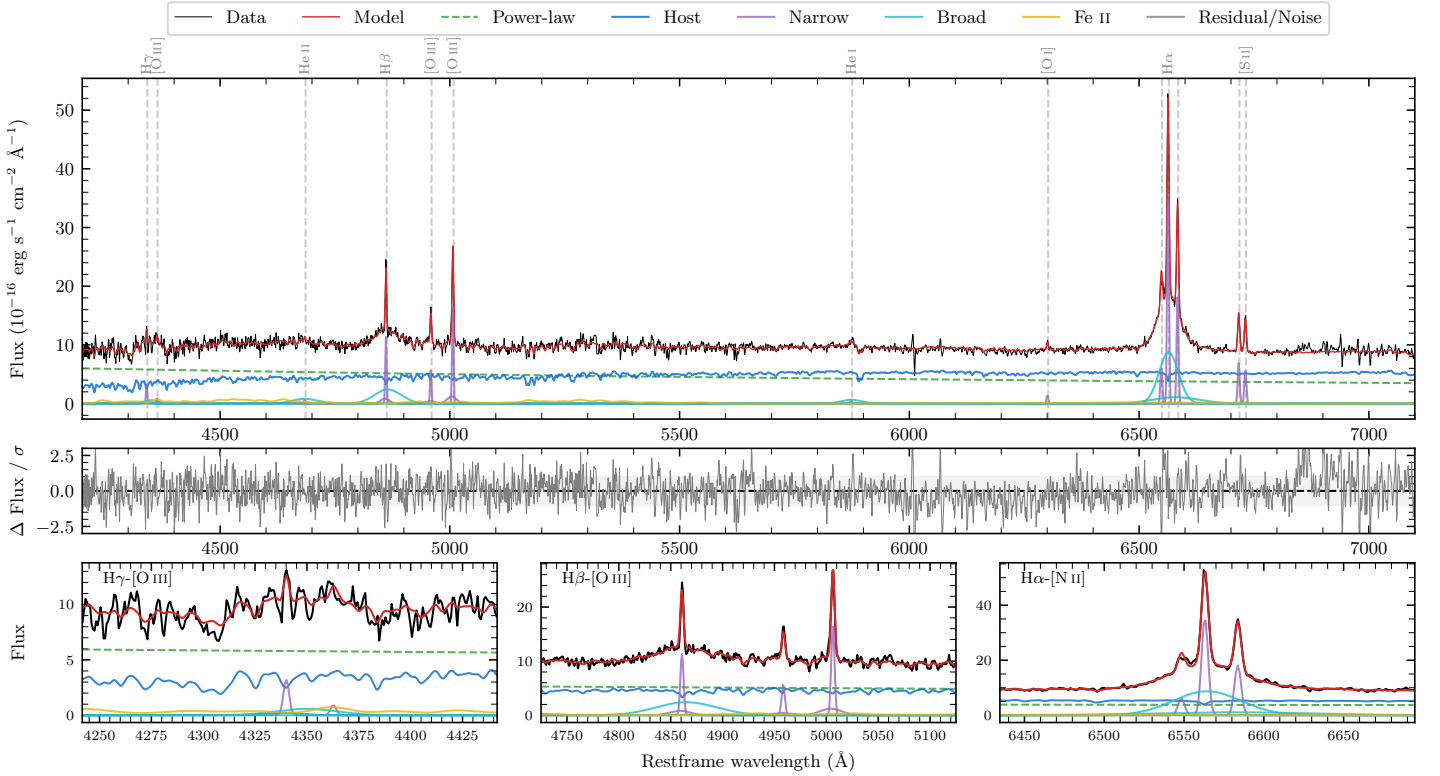
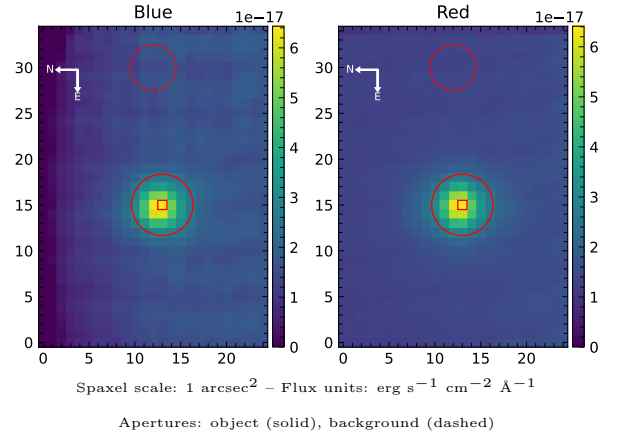


# LEDA 958725

Spectrum ID	3971217_sp1	Spectrum Type	Sy 1.5
Alt name	g2147133-120126	Quality Flag	good
$z$	0.0481	AGN reference	6dFGS
RA, Dec	326.8053, -12.0238	MW $E(B - V)$	0.043
MJD	60090.75	Power law $\alpha_\nu$	$-0.96 \pm 0.20$
SNR/ $\text{\AA}$ B/R	16.0/21.9	$\log L_{5100, \text{AGN}}$	$43.14 \pm 0.03$
Obs Airmass	1.14	$\log H\beta_{\text{Br}}/[\text{O III}]$	$0.26 \pm 0.03$
SMSS ID	3971217	$\log M_{L5100}/M_\odot$	$7.75 \pm 0.04$
Closest SMSS	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	$7.00 \pm 0.03$
SMSS Mean $r_{\text{psf}}$	$16.1 \pm 0.1$	$\log M_{\text{H}\beta}/M_\odot$	$7.61 \pm 0.05$
2MASS $K_{\text{ext}}$	$12.8 \pm 0.1$	$\log M_{[\text{O III}]} / M_\odot$	$7.61 \pm 0.05$



## Emission Line Measurements

Line	$\log L$ (erg s $^{-1}$ )	FWHM (km s $^{-1}$ )	$\sigma$ (km s $^{-1}$ )	EW (Å)
H $\gamma$ Narrow	$39.97 \pm 0.09$	$241 \pm 63$	$349 \pm 32$	$2.91 \pm 0.58$
<b>H<math>\gamma</math> Broad</b>	<b><math>40.20 \pm 0.14</math></b>	<b><math>2307 \pm 316</math></b>	<b><math>825 \pm 58</math></b>	<b><math>4.59 \pm 0.76</math></b>
[O III] 4364	$39.26 \pm 0.28$	$226 \pm 62$	$95 \pm 25$	$0.57 \pm 0.22$
He II Narrow	$39.15 \pm 0.30$	$226 \pm 62$	$95 \pm 25$	$0.47 \pm 0.23$
He II Broad	$40.51 \pm 0.07$	$4094 \pm 105$	$1739 \pm 44$	$10.85 \pm 0.99$
H $\beta$ Narrow	$40.57 \pm 0.03$	$241 \pm 63$	$350 \pm 32$	$13.01 \pm 0.56$
<b>H<math>\beta</math> Broad</b>	<b><math>41.02 \pm 0.02</math></b>	<b><math>4069 \pm 153</math></b>	<b><math>1543 \pm 37</math></b>	<b><math>36.15 \pm 0.98</math></b>
[O III] 5007	$40.76 \pm 0.02$	$241 \pm 63$	$350 \pm 32$	$20.55 \pm 0.56$
He I Narrow	$39.18 \pm 0.24$	$226 \pm 62$	$95 \pm 25$	$0.64 \pm 0.20$
He I Broad	$40.31 \pm 0.07$	$2607 \pm 83$	$1107 \pm 34$	$8.87 \pm 0.75$
[O I] 6300	$39.60 \pm 0.09$	$226 \pm 62$	$95 \pm 25$	$1.81 \pm 0.22$
H $\alpha$ Narrow	$41.03 \pm 0.01$	$226 \pm 62$	$95 \pm 25$	$50.95 \pm 0.36$
<b>H<math>\alpha</math> Broad</b>	<b><math>41.54 \pm 0.01</math></b>	<b><math>2424 \pm 70</math></b>	<b><math>1019 \pm 37</math></b>	<b><math>166.40 \pm 1.30</math></b>
[N II] 6585	$40.74 \pm 0.01$	$226 \pm 62$	$95 \pm 25$	$26.36 \pm 0.32$
[S II] 6718	$40.33 \pm 0.02$	$226 \pm 62$	$95 \pm 25$	$10.45 \pm 0.26$
[S II] 6732	$40.25 \pm 0.02$	$226 \pm 62$	$95 \pm 25$	$8.69 \pm 0.27$

## Emission Summary

H $\alpha$ Broad SNR	14.92
H $\beta$ Broad SNR	3.89
H $\gamma$ Broad SNR	1.20
AGN frac	0.53
Host frac	0.47
$\log L_{5100, \text{Host}}$	43.09
Fe II/H $\beta$	0.90
Fe II/[O III]	1.63

## Quality Flags

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