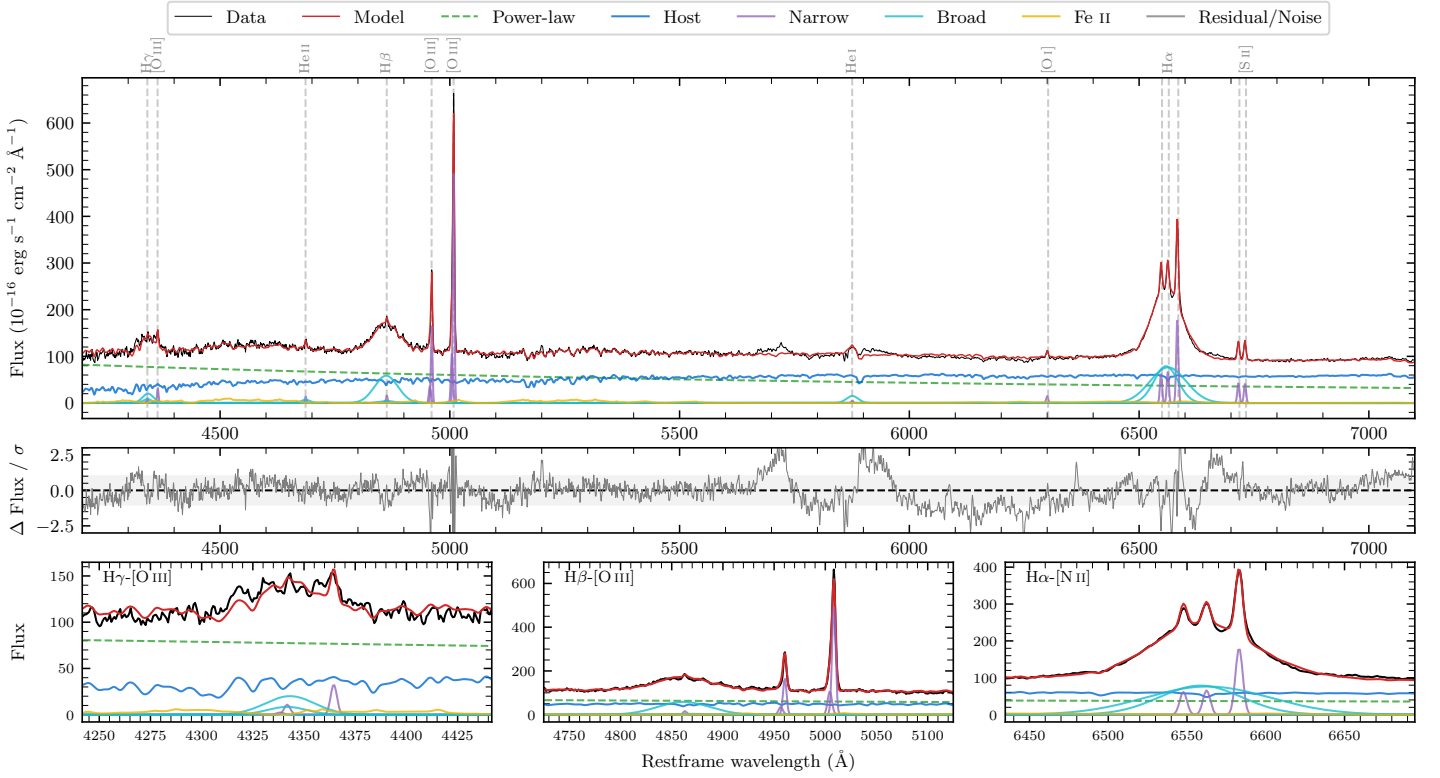
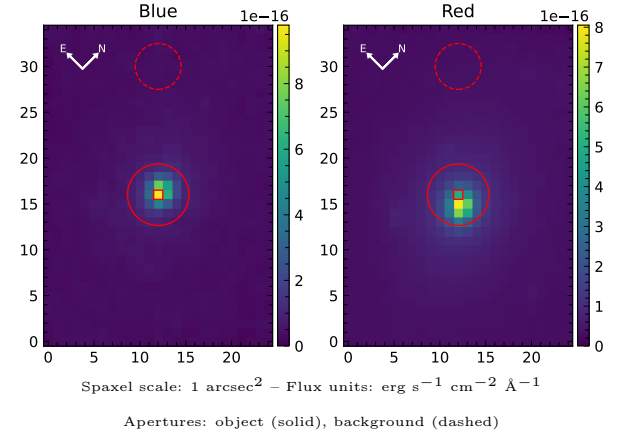


# NGC 6814

Spectrum ID	286051911_sp2	Spectrum type	Sy 1.5
Alt name	g1942406-101925	Quality flag	good
$z$	0.0055	AGN reference	6dFGS
RA, Dec	295.6691, -10.3236	MW $E(B - V)$	0.159
MJD	60557.43	Power law $\alpha_\nu$	$-0.21 \pm 0.17$
SNR/ $\text{\AA}$ B/R	16.8/26.3	$\log L_{5100, \text{AGN}}$	$42.30 \pm 0.02$
Obs airmass	1.08	$\log H\beta_{\text{Br}}/[\text{O III}]$	$0.16 \pm 0.05$
SMSS ID	286051911	$\log M_{L5100}/M_\odot$	$7.28 \pm 0.18$
Neighbour	5.5", 2399565663	$\log M_{\text{H}\alpha}/M_\odot$	$6.92 \pm 0.05$
SMSS $\langle r_6''_{\text{ap}} \rangle$	$14.03 \pm 0.09$	$\log M_{\text{H}\beta}/M_\odot$	$7.23 \pm 0.19$
2MASS $K_{\text{ext}}$	$7.66 \pm 0.02$	$\log M_{[\text{O III}]} / M_\odot$	$7.26 \pm 0.18$



## 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	$38.56 \pm 0.28$	$277 \pm 63$	$146 \pm 25$	$0.68 \pm 0.26$
<b>H<math>\gamma</math> Broad</b>	<b><math>39.81 \pm 0.14</math></b>	<b><math>2012 \pm 479</math></b>	<b><math>695 \pm 173</math></b>	<b><math>10.54 \pm 0.65</math></b>
[O III] 4364	$38.93 \pm 0.11$	$253 \pm 63$	$105 \pm 25$	$1.65 \pm 0.24$
He II Narrow	$38.59 \pm 0.19$	$253 \pm 63$	$105 \pm 25$	$0.85 \pm 0.19$
<b>He II Broad</b>	<b><math>39.08 \pm 0.20</math></b>	<b><math>1403 \pm 141</math></b>	<b><math>595 \pm 59</math></b>	<b><math>2.52 \pm 0.46</math></b>
H $\beta$ Narrow	$38.77 \pm 0.20$	$277 \pm 63$	$146 \pm 25$	$1.40 \pm 0.25$
<b>H<math>\beta</math> Broad</b>	<b><math>40.42 \pm 0.05</math></b>	<b><math>3577 \pm 636</math></b>	<b><math>1346 \pm 250</math></b>	<b><math>61.94 \pm 0.83</math></b>
[O III] 5007	$40.27 \pm 0.01$	$277 \pm 63$	$146 \pm 25$	$45.80 \pm 0.24$
He I Narrow	$38.28 \pm 0.30$	$253 \pm 63$	$105 \pm 25$	$0.63 \pm 0.27$
<b>He I Broad</b>	<b><math>39.54 \pm 0.10</math></b>	<b><math>1542 \pm 245</math></b>	<b><math>655 \pm 104</math></b>	<b><math>10.91 \pm 0.63</math></b>
[O I] 6300	$38.75 \pm 0.07$	$253 \pm 63$	$105 \pm 25$	$2.08 \pm 0.21$
H $\alpha$ Narrow	$39.42 \pm 0.03$	$253 \pm 63$	$105 \pm 25$	$10.40 \pm 0.32$
<b>H<math>\alpha</math> Broad</b>	<b><math>40.93 \pm 0.01</math></b>	<b><math>3393 \pm 82</math></b>	<b><math>1339 \pm 45</math></b>	<b><math>346.14 \pm 1.07</math></b>
[N II] 6585	$39.85 \pm 0.01$	$253 \pm 63$	$105 \pm 25$	$28.79 \pm 0.33$
[S II] 6718	$39.24 \pm 0.02$	$253 \pm 63$	$105 \pm 25$	$7.18 \pm 0.24$
[S II] 6732	$39.22 \pm 0.03$	$253 \pm 63$	$105 \pm 25$	$6.88 \pm 0.23$

## Emission Summary

H $\alpha$ broad SNR	21.78
H $\beta$ broad SNR	8.90
H $\gamma$ broad SNR	4.13
AGN frac	0.56
Host frac	0.44
$\log L_{5100, \text{Host}}$	42.20
Fe II/H $\beta$	0.42
Fe II/[O III]	0.60

## Quality Flags

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