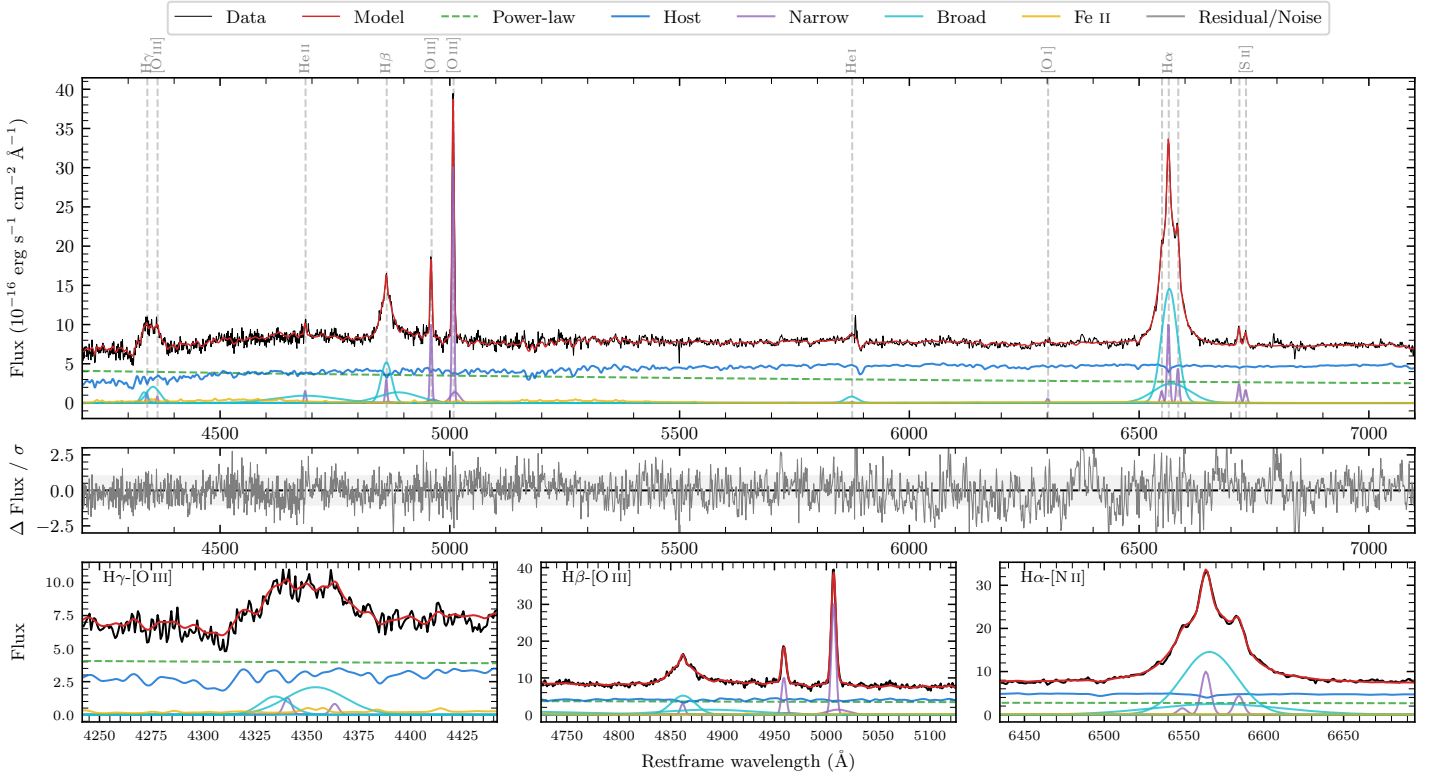
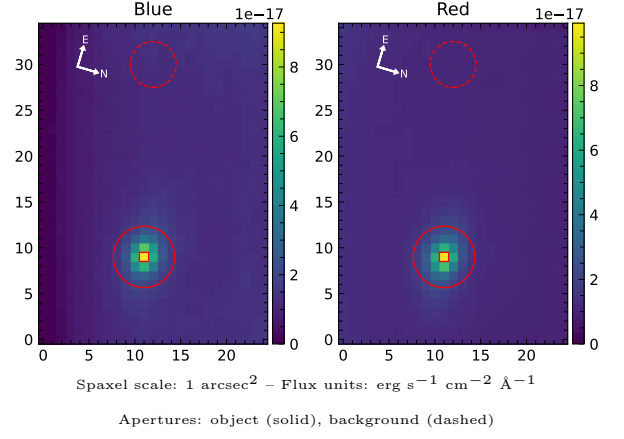


# 2MASS J09114771–1151397

Spectrum ID	88193721_sp1	Spectrum type	Sy 1.5
Alt name	g0911477–115140	Quality flag	good
$z$	0.0707	AGN reference	6dFGS
RA, Dec	137.9488, –11.8610	MW $E(B - V)$	0.040
MJD	59668.52	Power law $\alpha_\nu$	$-1.07 \pm 0.18$
SNR/ $\text{\AA}$ B/R	15.4/29.1	$\log L_{5100, \text{AGN}}$	$43.33 \pm 0.03$
Obs airmass	1.16	$\log H\beta_{\text{Br}}/[\text{O III}]$	$0.17 \pm 0.02$
SMSS ID	88193721	$\log M_{L5100}/M_\odot$	$7.20 \pm 0.04$
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	$7.14 \pm 0.03$
SMSS $\langle r_6''_{\text{ap}} \rangle$	$16.38 \pm 0.07$	$\log M_{\text{H}\beta}/M_\odot$	$7.23 \pm 0.04$
2MASS $K_{\text{ext}}$	$12.69 \pm 0.10$	$\log M_{[\text{O III}]} / M_\odot$	$7.30 \pm 0.03$



## 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	$39.99 \pm 0.16$	$322 \pm 63$	$291 \pm 29$	$1.99 \pm 0.69$
<b>H<math>\gamma</math> Broad</b>	<b><math>41.12 \pm 0.03</math></b>	<b><math>2881 \pm 149</math></b>	<b><math>924 \pm 34</math></b>	<b><math>26.91 \pm 0.98</math></b>
[O III] 4364	$39.72 \pm 0.23$	$316 \pm 63$	$132 \pm 25$	$1.07 \pm 0.34$
He II Narrow	$40.01 \pm 0.10$	$316 \pm 63$	$132 \pm 25$	$2.27 \pm 0.35$
<b>He II Broad</b>	<b><math>41.32 \pm 0.03</math></b>	<b><math>10228 \pm 217</math></b>	<b><math>4344 \pm 92</math></b>	<b><math>46.13 \pm 2.06</math></b>
H $\beta$ Narrow	$40.40 \pm 0.07$	$322 \pm 63$	$291 \pm 29$	$5.78 \pm 0.94$
<b>H<math>\beta</math> Broad</b>	<b><math>41.60 \pm 0.01</math></b>	<b><math>1949 \pm 71</math></b>	<b><math>1387 \pm 45</math></b>	<b><math>90.52 \pm 1.70</math></b>
[O III] 5007	$41.42 \pm 0.01$	$322 \pm 63$	$291 \pm 29$	$62.09 \pm 0.76$
He I Narrow	$39.00 \pm 0.40$	$316 \pm 63$	$132 \pm 25$	$0.27 \pm 0.24$
<b>He I Broad</b>	<b><math>40.58 \pm 0.04</math></b>	<b><math>1676 \pm 125</math></b>	<b><math>711 \pm 52</math></b>	<b><math>10.19 \pm 0.53</math></b>
[O I] 6300	$39.72 \pm 0.09$	$316 \pm 63$	$132 \pm 25$	$1.51 \pm 0.22$
H $\alpha$ Narrow	$40.98 \pm 0.01$	$316 \pm 63$	$132 \pm 25$	$28.69 \pm 0.31$
<b>H<math>\alpha</math> Broad</b>	<b><math>42.06 \pm 0.01</math></b>	<b><math>1994 \pm 64</math></b>	<b><math>864 \pm 25</math></b>	<b><math>343.77 \pm 1.07</math></b>
[N II] 6585	$40.62 \pm 0.02$	$316 \pm 63$	$132 \pm 25$	$12.66 \pm 0.29$
[S II] 6718	$40.37 \pm 0.03$	$316 \pm 63$	$132 \pm 25$	$7.22 \pm 0.32$
[S II] 6732	$40.21 \pm 0.04$	$316 \pm 63$	$132 \pm 25$	$4.96 \pm 0.29$

## Emission Summary

H $\alpha$ broad SNR	34.45
H $\beta$ broad SNR	12.80
H $\gamma$ broad SNR	4.86
AGN frac	0.47
Host frac	0.53
$\log L_{5100, \text{Host}}$	43.39
Fe II/H $\beta$	0.38
Fe II/[O III]	0.56

## Quality Flags

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