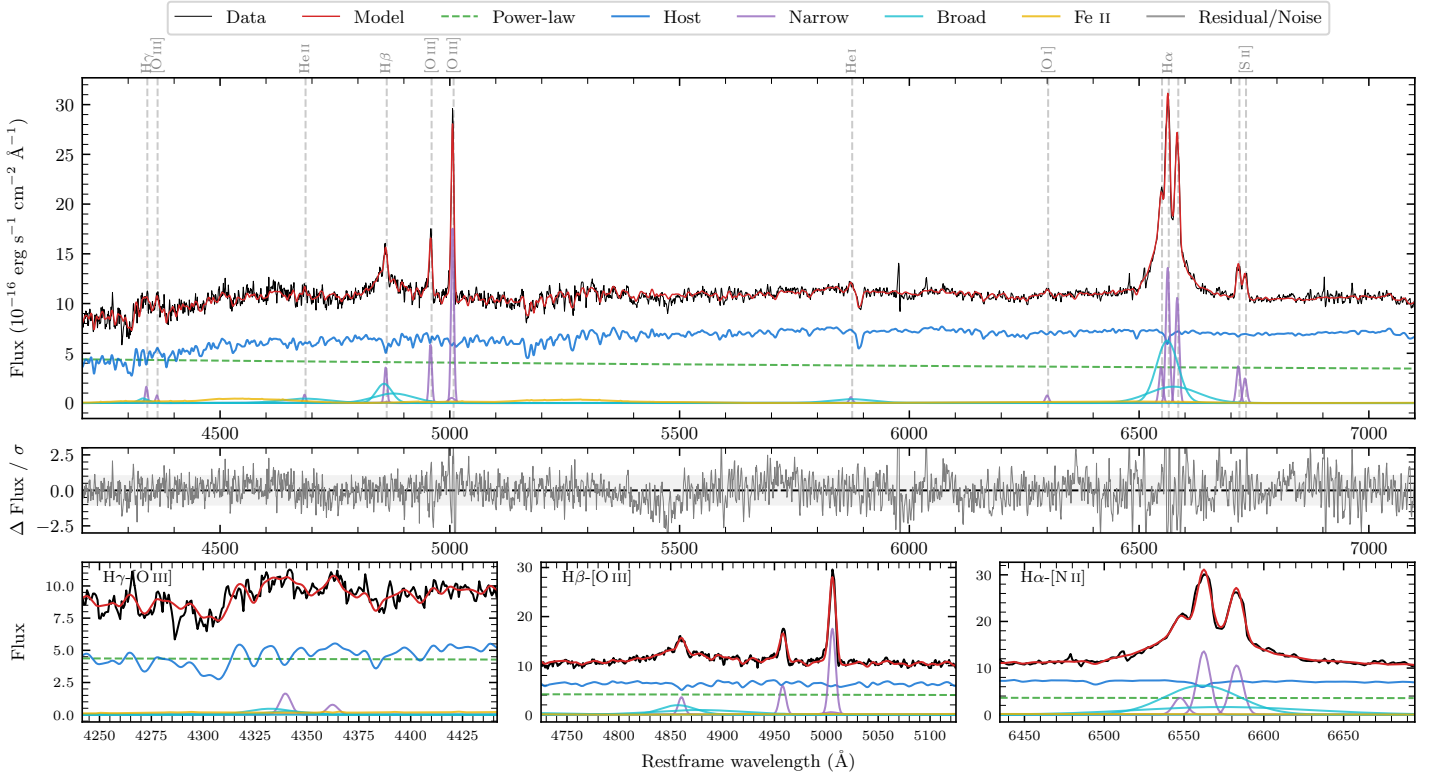
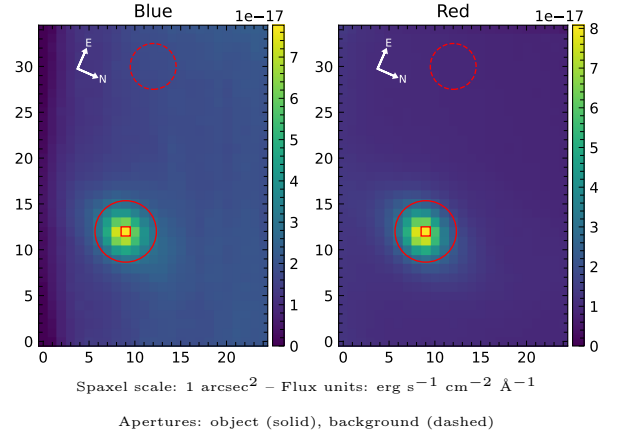


# NPM1G –17.0013

Spectrum ID	12036788_sp1	Spectrum type	Sy 1.5
Alt name	g0029368–173830	Quality flag	good
$z$	0.0536	AGN reference	6dFGS
RA, Dec	7.4033, –17.6417	MW $E(B - V)$	0.018
MJD	59079.8	Power law $\alpha_\nu$	$-1.55 \pm 0.18$
SNR/ $\text{\AA}$ B/R	17.9/38.3	$\log L_{5100, \text{AGN}}$	$43.15 \pm 0.04$
Obs airmass	1.26	$\log H\beta_{\text{Br}}/[\text{O III}]$	$0.11 \pm 0.03$
SMSS ID	12036788	$\log M_{L5100}/M_\odot$	$7.57 \pm 0.08$
Neighbour	None $< 15''$	$\log M_{H\alpha}/M_\odot$	$7.20 \pm 0.03$
SMSS $\langle r_6''_{\text{ap}} \rangle$	$16.01 \pm 0.04$	$\log M_{H\beta}/M_\odot$	$7.48 \pm 0.08$
2MASS $K_{\text{ext}}$	$11.78 \pm 0.09$	$\log M_{[\text{O III}]} / M_\odot$	$7.56 \pm 0.08$



## 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	$39.95 \pm 0.14$	$446 \pm 63$	$216 \pm 36$	$2.89 \pm 0.61$
<b>H<math>\gamma</math> Broad</b>	<b><math>40.22 \pm 0.15</math></b>	<b><math>1814 \pm 263</math></b>	<b><math>671 \pm 105</math></b>	<b><math>4.59 \pm 0.91</math></b>
[O III] 4364	$39.59 \pm 0.22$	$440 \pm 63$	$186 \pm 25$	$1.29 \pm 0.43$
He II Narrow	$39.65 \pm 0.17$	$440 \pm 63$	$186 \pm 25$	$1.54 \pm 0.39$
<b>He II Broad</b>	<b><math>40.65 \pm 0.09</math></b>	<b><math>8043 \pm 378</math></b>	<b><math>3415 \pm 160</math></b>	<b><math>14.90 \pm 1.67</math></b>
H $\beta$ Narrow	$40.33 \pm 0.05$	$446 \pm 63$	$216 \pm 36$	$7.40 \pm 0.54$
<b>H<math>\beta</math> Broad</b>	<b><math>41.15 \pm 0.02</math></b>	<b><math>3285 \pm 279</math></b>	<b><math>1672 \pm 82</math></b>	<b><math>48.34 \pm 1.48</math></b>
[O III] 5007	$41.03 \pm 0.01$	$446 \pm 63$	$216 \pm 36$	$37.86 \pm 0.56$
He I Narrow	$39.60 \pm 0.11$	$440 \pm 63$	$186 \pm 25$	$1.52 \pm 0.23$
<b>He I Broad</b>	<b><math>40.51 \pm 0.06</math></b>	<b><math>5516 \pm 209</math></b>	<b><math>2342 \pm 88</math></b>	<b><math>12.54 \pm 0.84</math></b>
[O I] 6300	$39.74 \pm 0.07$	$440 \pm 63$	$186 \pm 25$	$2.16 \pm 0.24$
H $\alpha$ Narrow	$41.01 \pm 0.01$	$440 \pm 63$	$186 \pm 25$	$40.80 \pm 0.31$
<b>H<math>\alpha</math> Broad</b>	<b><math>41.64 \pm 0.01</math></b>	<b><math>2878 \pm 79</math></b>	<b><math>1291 \pm 36</math></b>	<b><math>174.30 \pm 0.98</math></b>
[N II] 6585	$40.90 \pm 0.01$	$440 \pm 63$	$186 \pm 25$	$31.92 \pm 0.31$
[S II] 6718	$40.45 \pm 0.02$	$440 \pm 63$	$186 \pm 25$	$11.50 \pm 0.27$
[S II] 6732	$40.28 \pm 0.02$	$440 \pm 63$	$186 \pm 25$	$7.73 \pm 0.26$

## Emission Summary

H $\alpha$ broad SNR	14.06
H $\beta$ broad SNR	4.96
H $\gamma$ broad SNR	1.31
AGN frac	0.40
Host frac	0.60
$\log L_{5100, \text{Host}}$	43.34
Fe II/H $\beta$	0.54
Fe II/[O III]	0.70

## Quality Flags

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