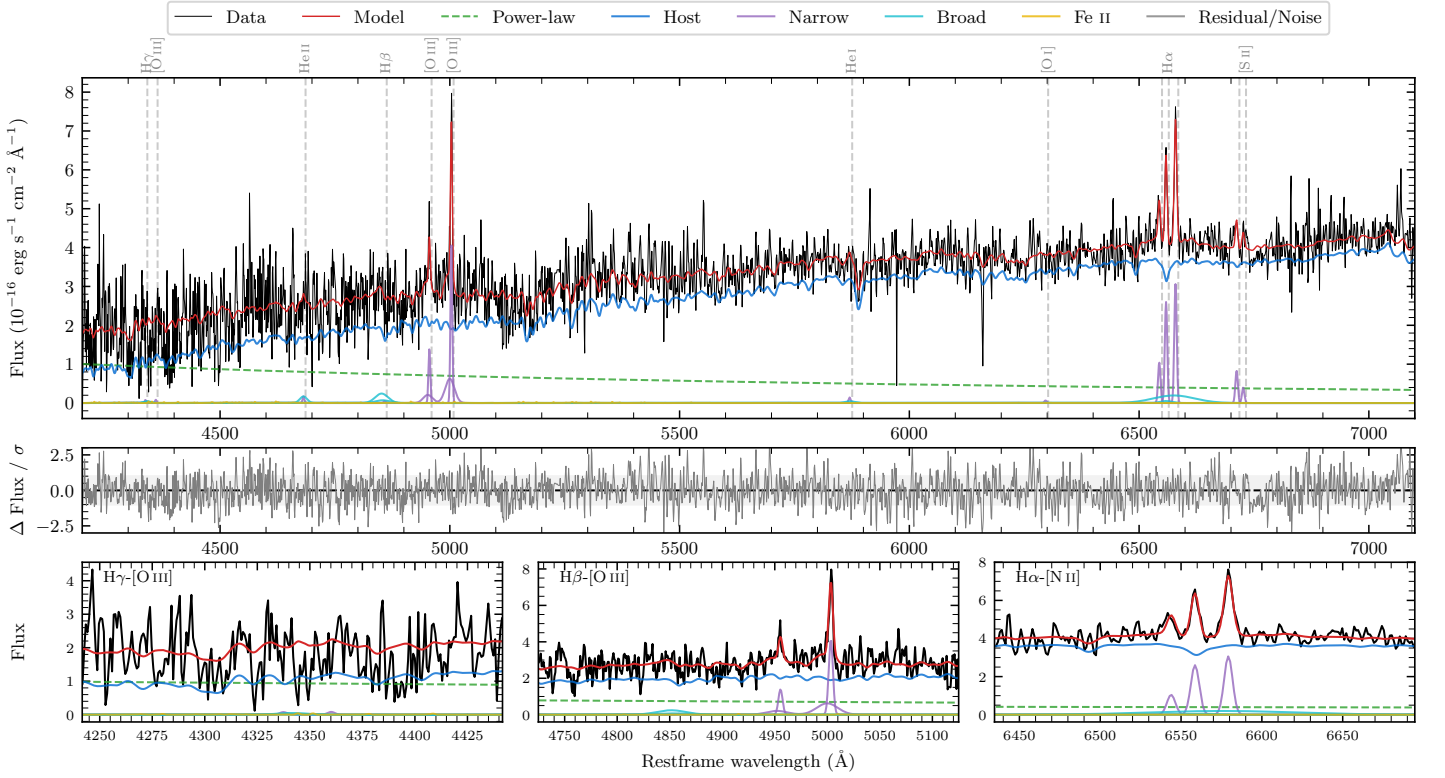
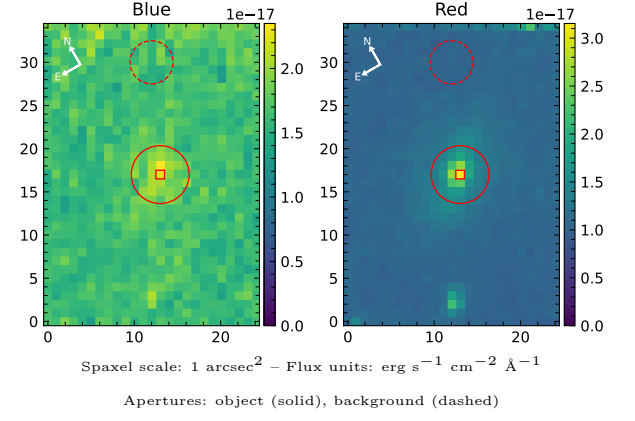


# 6dFGS gJ053048.2–044044

Spectrum ID	26891882_sp1	Spectrum type	SF
Alt name	g0530482–044044	Quality flag	good
$z$	0.0648	AGN reference	6dFGS
RA, Dec	82.7008, –4.6790	MW $E(B - V)$	0.245
MJD	60997.7	Power law $\alpha_\nu$	$0.08 \pm 0.09$
SNR/ $\text{\AA}$ B/R	4.4/11.4	$\log L_{5100, \text{AGN}}$	$42.55 \pm 0.06$
Obs airmass	1.17	$\log H\beta_{\text{Br}}/[\text{O III}]$	–
SMSS ID	26891882	$\log M_{L5100}/M_\odot$	–
Neighbour	14.7", 26891876	$\log M_{\text{H}\alpha}/M_\odot$	–
SMSS $\langle r_6^{\text{ap}} \rangle$	$18.08 \pm 0.08$	$\log M_{\text{H}\beta}/M_\odot$	–
2MASS $K_{\text{ext}}$	$12.73 \pm 0.13$	$\log M_{[\text{O III}]} / M_\odot$	–



## Emission Line Measurements

Line	$\log L$ (erg s $^{-1}$ )	FWHM (km s $^{-1}$ )	$\sigma$ (km s $^{-1}$ )	EW (Å)
H $\gamma$ Narrow	–	–	–	–
<b>H<math>\gamma</math> Broad</b>	–	–	–	–
[O III] 4364	–	–	–	–
He II Narrow	–	–	–	–
<b>He II Broad</b>	<b><math>39.57 \pm 0.39</math></b>	<b><math>1181 \pm 62</math></b>	<b><math>501 \pm 25</math></b>	<b><math>4.43 \pm 3.74</math></b>
H $\beta$ Narrow	–	–	–	–
<b>H<math>\beta</math> Broad</b>	–	–	–	–
[O III] 5007	$40.61 \pm 0.05$	$317 \pm 63$	$417 \pm 45$	$55.51 \pm 4.33$
He I Narrow	–	–	–	–
<b>He I Broad</b>	–	–	–	–
[O I] 6300	–	–	–	–
H $\alpha$ Narrow	$40.28 \pm 0.04$	$283 \pm 62$	$119 \pm 25$	$45.64 \pm 2.41$
<b>H<math>\alpha</math> Broad</b>	–	–	–	–
[N II] 6585	$40.35 \pm 0.03$	$283 \pm 62$	$119 \pm 25$	$54.27 \pm 2.37$
[S II] 6718	$39.79 \pm 0.09$	$283 \pm 62$	$119 \pm 25$	$15.65 \pm 2.40$
[S II] 6732	$39.48 \pm 0.18$	$283 \pm 62$	$119 \pm 25$	$7.61 \pm 2.37$

## Emission Summary

H $\alpha$ broad SNR	0.41
H $\beta$ broad SNR	0.00
H $\gamma$ broad SNR	0.00
AGN frac	0.24
Host frac	0.76
$\log L_{5100, \text{Host}}$	43.05
Fe II/H $\beta$	–
Fe II/[O III]	–

## Quality Flags

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