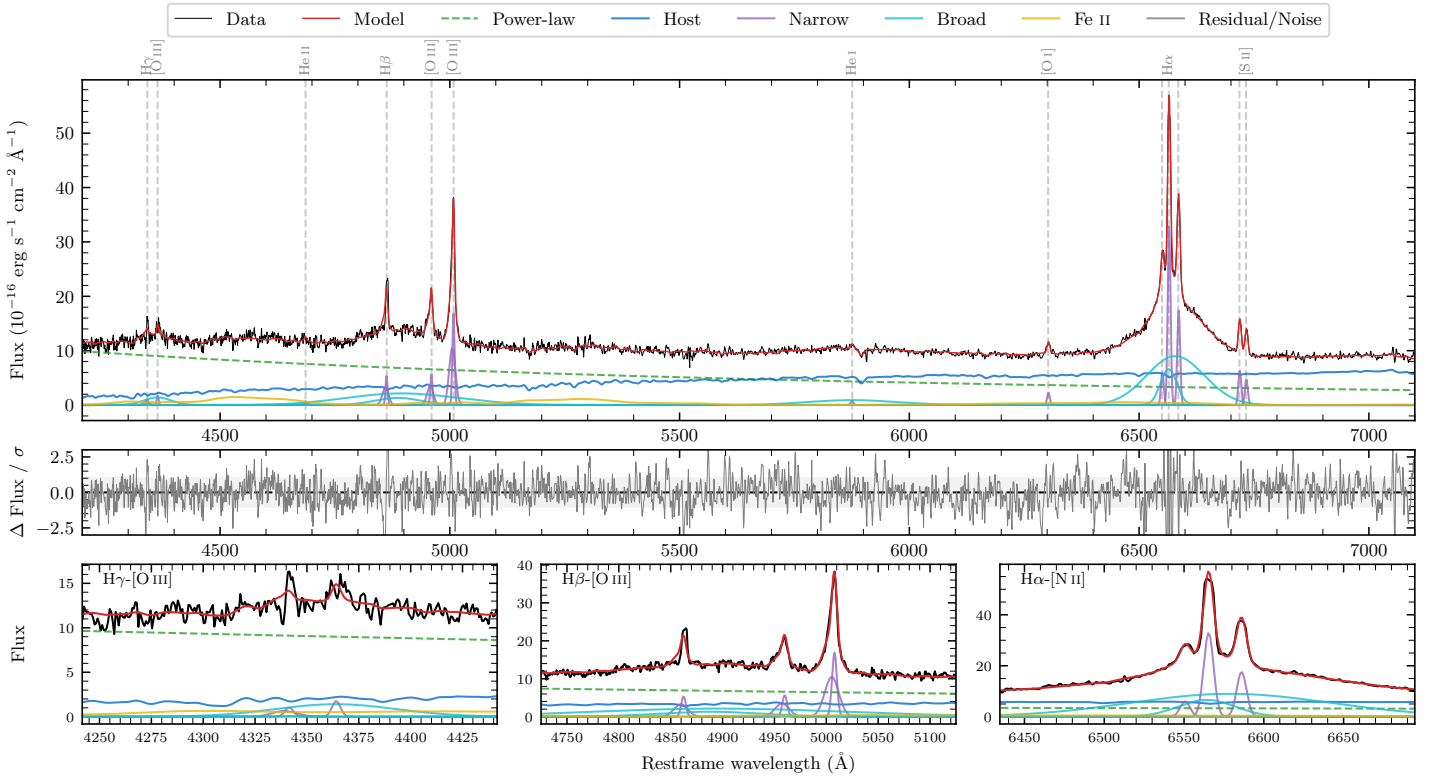
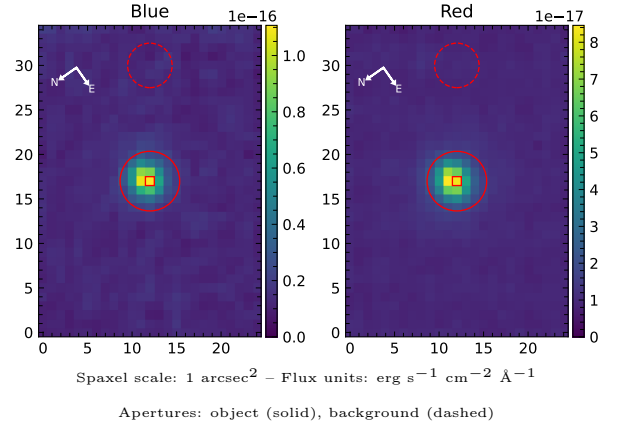


RX J0311.3–2046

Spectrum ID	17781996_sp1	Spectrum type	Sy 1.5
Alt name	g0311188–204618	Quality flag	good
z	0.0669	AGN reference	6dFGS
RA, Dec	47.8284, –20.7717	MW $E(B - V)$	0.021
MJD	60210.77	Power law α_ν	0.44 ± 0.05
SNR/ \AA B/R	16.0/25.6	$\log L_{5100, \text{AGN}}$	43.53 ± 0.01
Obs airmass	1.06	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.22 ± 0.38
SMSS ID	17781996	$\log M_{L5100}/M_\odot$	8.42 ± 0.01
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	7.87 ± 0.03
SMSS $\langle r_6''_{\text{ap}} \rangle$	15.68 ± 0.20	$\log M_{\text{H}\beta}/M_\odot$	8.23 ± 0.18
2MASS K_{ext}	12.25 ± 0.08	$\log M_{[\text{O III}]} / M_\odot$	8.48 ± 0.01



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	40.24 ± 0.14	463 ± 64	345 ± 27	1.74 ± 0.35
Hγ Broad	41.10 ± 0.06	4778 ± 102	1636 ± 32	12.64 ± 0.83
[O III] 4364	40.02 ± 0.14	335 ± 63	141 ± 25	1.07 ± 0.21
He II Narrow	39.65 ± 0.30	335 ± 63	141 ± 25	0.54 ± 0.22
He II Broad	—	—	—	—
H β Narrow	41.00 ± 0.02	463 ± 64	345 ± 27	13.23 ± 0.43
Hβ Broad	$41.29^{+0.70}_{-0.06}$	7253 ± 69	2624 ± 31	26.12 ± 1.19
[O III] 5007	41.51 ± 0.01	463 ± 64	345 ± 27	46.15 ± 0.53
He I Narrow	39.80 ± 0.12	335 ± 63	141 ± 25	1.34 ± 0.24
He I Broad	41.41 ± 0.03	11760 ± 96	4994 ± 40	54.88 ± 2.17
[O I] 6300	40.29 ± 0.04	335 ± 63	141 ± 25	4.90 ± 0.27
H α Narrow	41.47 ± 0.01	335 ± 63	141 ± 25	81.98 ± 0.46
Hα Broad	42.30 ± 0.01	3891 ± 113	2140 ± 25	552.41 ± 1.74
[N II] 6585	41.20 ± 0.01	335 ± 63	141 ± 25	44.24 ± 0.43
[S II] 6718	40.76 ± 0.02	335 ± 63	141 ± 25	17.06 ± 0.37
[S II] 6732	40.64 ± 0.02	335 ± 63	141 ± 25	12.90 ± 0.38

Emission Summary

H α broad SNR	22.25
H β broad SNR	1.92
H γ broad SNR	2.13
AGN frac	0.64
Host frac	0.36
$\log L_{5100, \text{Host}}$	43.29
Fe II/H β	—
Fe II/[O III]	—

Quality Flags

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