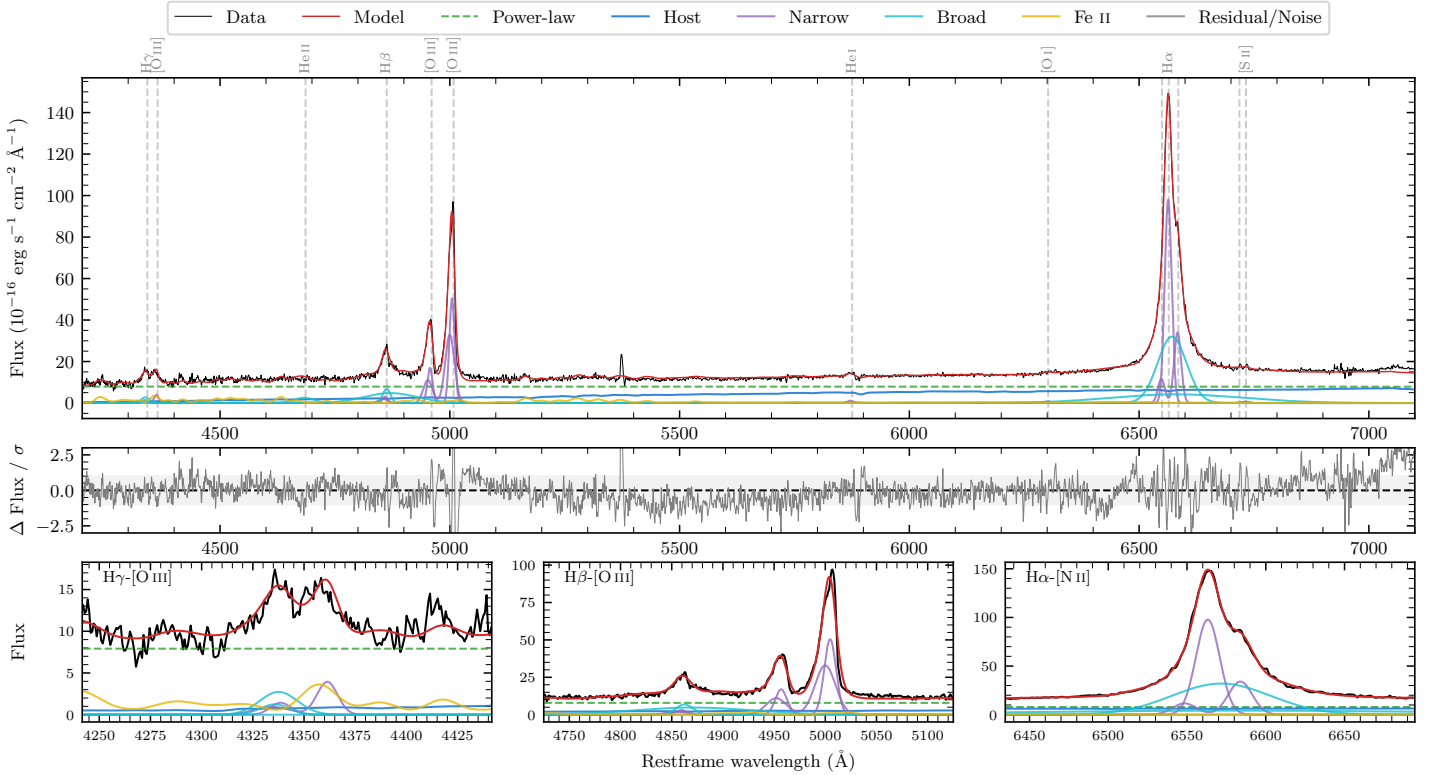
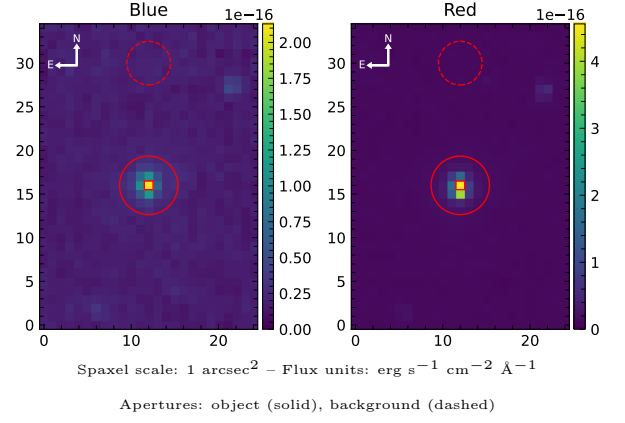


IRAS 08029–0551

Spectrum ID	74370426_sp1	Spectrum type	Sy 1.5
Alt name	3067175994508522752	Quality flag	good
z	0.0982	AGN reference	AllBRICS2
RA, Dec	121.3432, -6.0082	MW $E(B - V)$	0.044
MJD	60656.71	Power law α_ν	-1.99 ± 0.01
SNR/ \AA B/R	8.4/20.3	$\log L_{5100, \text{AGN}}$	44.00 ± 0.01
Obs airmass	1.11	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.27 ± 0.02
SMSS ID	74370426	$\log M_{L5100}/M_\odot$	7.46 ± 0.09
Neighbour	14.8", 74370427	$\log M_{\text{H}\alpha}/M_\odot$	8.27 ± 0.04
SMSS $\langle r_6'' \text{ ap} \rangle$	16.21 ± 0.07	$\log M_{\text{H}\beta}/M_\odot$	7.55 ± 0.10
2MASS K_{ext}	nan \pm nan	$\log M_{[\text{O III}]} / M_\odot$	7.87 ± 0.10



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	41.02 ± 0.39	1018 ± 64	515 ± 25	5.31 ± 1.11
Hγ Broad	41.45 ± 0.16	1386 ± 105	476 ± 30	11.87 ± 1.20
[O III] 4364	41.13 ± 0.10	814 ± 63	345 ± 25	6.88 ± 0.90
He II Narrow	—	—	—	—
He II Broad	41.58 ± 0.07	3301 ± 63	1402 ± 25	19.30 ± 1.53
H β Narrow	41.39 ± 0.13	1018 ± 64	515 ± 25	12.64 ± 1.04
Hβ Broad	42.36 ± 0.02	1902 ± 202	2598 ± 54	116.61 ± 2.75
[O III] 5007	42.63 ± 0.01	1018 ± 64	515 ± 25	216.16 ± 1.26
He I Narrow	40.72 ± 0.19	814 ± 63	345 ± 25	2.69 ± 0.41
He I Broad	40.37 ± 0.45	1179 ± 62	501 ± 25	1.20 ± 0.47
[O I] 6300	40.60 ± 0.16	814 ± 63	345 ± 25	2.05 ± 0.43
H α Narrow	42.70 ± 0.01	814 ± 63	345 ± 25	258.71 ± 0.86
Hα Broad	43.04 ± 0.01	3671 ± 65	2270 ± 30	560.54 ± 2.20
[N II] 6585	42.25 ± 0.01	814 ± 63	345 ± 25	90.43 ± 0.84
[S II] 6718	40.23 ± 0.36	814 ± 63	345 ± 25	0.87 ± 0.45
[S II] 6732	40.58 ± 0.19	814 ± 63	345 ± 25	1.94 ± 0.46

Emission Summary

H α broad SNR	24.98
H β broad SNR	8.07
H γ broad SNR	3.33
AGN frac	0.74
Host frac	0.26
$\log L_{5100, \text{Host}}$	43.54
Fe II/H β	0.62
Fe II/[O III]	0.34

Quality Flags

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