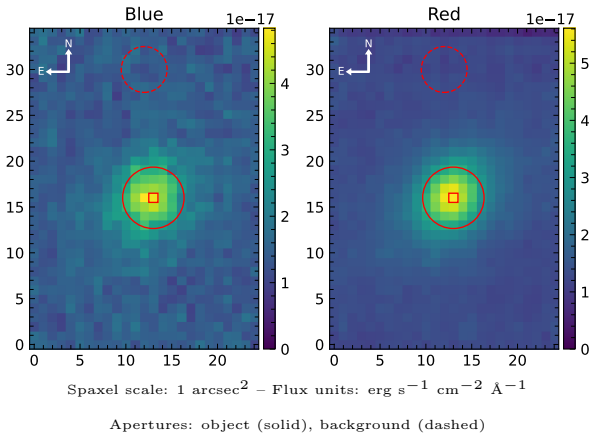
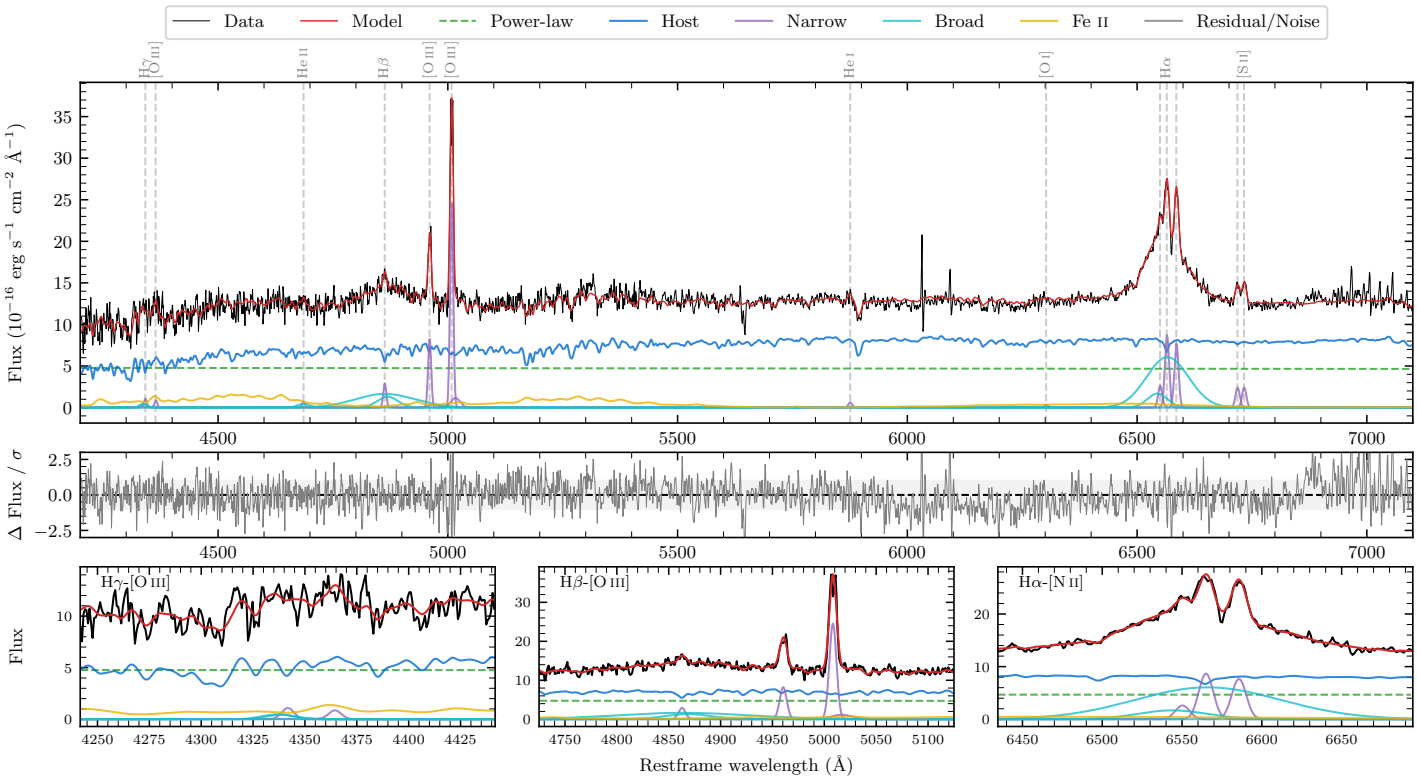
LEDA 1073159

Spectrum ID	5553330_sp1
Alt name	g2202590-031812
z	0.0445
RA, Dec	330.7458, -3.3033
MJD	60091.79
SNR/Å B/R	14.0/25.7
Obs Airmass	1.16
SMSS ID	5553330
Closest SMSS	None < 15"
SMSS Mean $r_{\rm psf}$	15.7 ± 0.1
2MASS $K_{\rm ext}$	11.7 ± 0.1

Spectrum Type	Sy 1.5
Quality Flag	good
AGN reference	6dFGS
MW $E(B-V)$	0.121
Power law α_ν	-1.95 ± 0.05
log $L_{5100,\rm AGN}$	43.05 ± 0.02
log H$\beta_{\rm Br}$/[O III]	0.15 ± 0.03
log $M_{\rm L5100}/M_\odot$	7.98 ± 0.11
log $M_{\rm H\alpha}/M_\odot$	7.56 ± 0.03
log $M_{\rm H\beta}/M_\odot$	7.96 ± 0.11
log $M_{\rm [O\,III]}/M_\odot$	8.03 ± 0.11





Emission Line Measurements

Line	log L (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (Å)
Hγ Narrow	39.65 ± 0.30	495 ± 63	326 ± 34	2.03 ± 0.98
Hγ Broad	$\mathbf{40.00 \pm 0.19}$	$\mathbf{1194 \pm 63}$	$\mathbf{428 \pm 25}$	$\mathbf{3.71 \pm 0.99}$
[O III] 4364	39.49 ± 0.28	484 ± 63	205 ± 25	1.41 ± 0.60
He II Narrow	39.43 ± 0.33	484 ± 63	205 ± 25	1.22 ± 0.52
He II Broad	39.87 ± 0.28	1965 ± 63	834 ± 25	3.37 ± 1.06
Hβ Narrow	40.13 ± 0.08	495 ± 63	326 ± 34	6.11 ± 0.82
Hβ Broad	$\mathbf{41.22 \pm 0.03}$	$\mathbf{5523 \pm 662}$	$\mathbf{2901 \pm 93}$	$\mathbf{75.31 \pm 2.33}$
[O III] 5007	41.07 ± 0.01	495 ± 63	326 ± 34	52.95 ± 0.87
He I Narrow	39.48 ± 0.22	484 ± 63	205 ± 25	1.38 ± 0.34
He I Broad	39.15 ± 0.51	1207 ± 63	512 ± 25	0.64 ± 0.56
[O I] 6300	39.26 ± 0.27	484 ± 63	205 ± 25	0.83 ± 0.35
Hα Narrow	40.68 ± 0.02	484 ± 63	205 ± 25	21.90 ± 0.70
Hα Broad	$\mathbf{41.58 \pm 0.01}$	$\mathbf{4521 \pm 96}$	$\mathbf{1740 \pm 25}$	$\mathbf{176.08 \pm 1.36}$
[N II] 6585	40.63 ± 0.02	484 ± 63	205 ± 25	19.43 ± 0.49
[S II] 6718	40.13 ± 0.04	484 ± 63	205 ± 25	6.21 ± 0.38
[S II] 6732	40.13 ± 0.04	484 ± 63	205 ± 25	6.23 ± 0.37

Emission Summary

Hα Broad SNR	8.30
Hβ Broad SNR	3.34
Hγ Broad SNR	1.27
AGN frac	0.42
Host frac	0.58
log $L_{5100,\rm Host}$	43.20
Fe II/Hβ	1.13
Fe II/[O III]	1.61

Quality Flags

spurious_hab/hbb	0/0
l5100	1
balmer	0
balmer_snr	1
hb_width	1
balmer_width	0