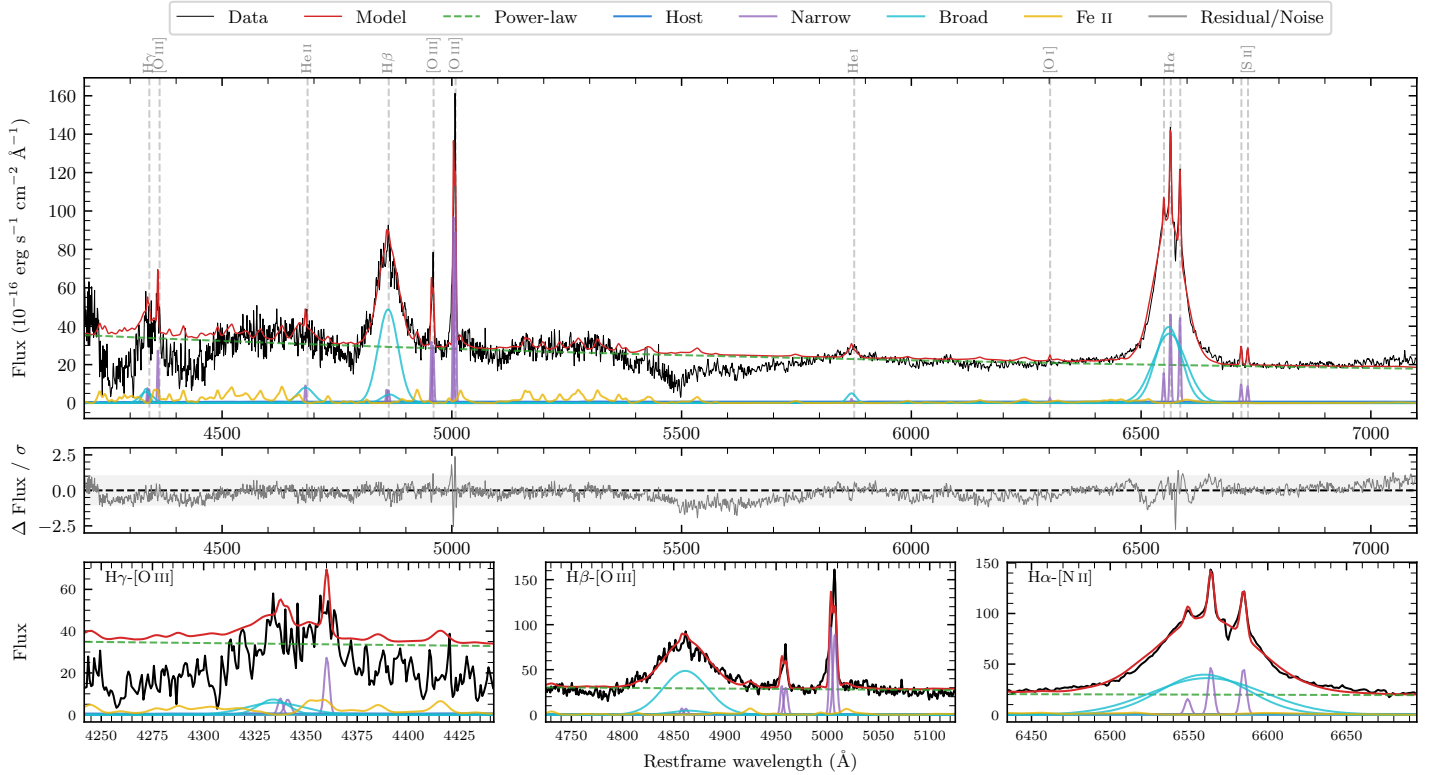
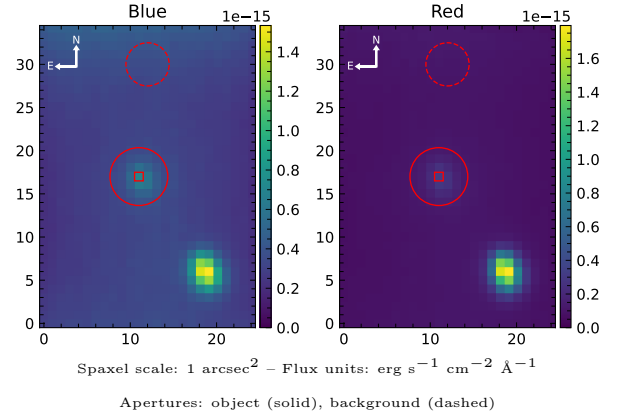


MCG-02-14-009

Spectrum ID	25583065_sp1	Spectrum type	Bad
Alt name	g0516212-103342	Quality flag	bad_blue
z	0.0288	AGN reference	6dFGS
RA, Dec	79.0884, -10.5615	MW $E(B-V)$	0.142
MJD	60261.64	Power law α_ν	-0.70 ± 0.09
SNR/ \AA B/R	2.0/4.3	$\log L_{5100, \text{AGN}}$	43.43 ± 0.01
Obs airmass	1.08	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.57 ± 0.05
SMSS ID	25583065	$\log M_{L5100}/M_\odot$	7.64 ± 0.03
Neighbour	12.6", 25583064	$\log M_{H\alpha}/M_\odot$	7.60 ± 0.02
SMSS $\langle r_6''_{\text{ap}} \rangle$	15.18 ± 0.13	$\log M_{H\beta}/M_\odot$	7.70 ± 0.03
2MASS K_{ext}	10.41 ± 0.04	$\log M_{[\text{O III}]} / M_\odot$	7.58 ± 0.04



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	40.03 ± 0.47	455 ± 65	158 ± 25	1.63 ± 1.48
Hγ Broad	40.91 ± 0.22	1526 ± 306	626 ± 105	10.21 ± 4.34
[O III] 4364	40.24 ± 0.29	205 ± 65	84 ± 26	2.57 ± 1.21
He II Narrow	39.81 ± 0.47	205 ± 65	84 ± 26	1.04 ± 0.98
He II Broad	40.84 ± 0.23	2631 ± 65	1117 ± 26	11.79 ± 3.61
H β Narrow	40.05 ± 0.41	455 ± 65	158 ± 25	1.93 ± 1.20
Hβ Broad	41.76 ± 0.03	3094 ± 89	1153 ± 33	99.93 ± 3.93
[O III] 5007	41.19 ± 0.04	455 ± 65	158 ± 25	28.09 ± 1.24
He I Narrow	—	—	—	—
He I Broad	40.39 ± 0.16	1181 ± 63	501 ± 25	5.60 ± 1.19
[O I] 6300	39.42 ± 0.42	205 ± 65	84 ± 26	0.62 ± 0.52
H α Narrow	40.65 ± 0.06	205 ± 65	84 ± 26	11.18 ± 0.65
Hα Broad	42.07 ± 0.01	3344 ± 92	1270 ± 32	311.46 ± 2.64
[N II] 6585	40.64 ± 0.06	205 ± 65	84 ± 26	11.01 ± 0.65
[S II] 6718	39.98 ± 0.16	205 ± 65	84 ± 26	2.50 ± 0.59
[S II] 6732	39.93 ± 0.20	205 ± 65	84 ± 26	2.22 ± 0.57

Emission Summary

H α broad SNR	5.59
H β broad SNR	3.98
H γ broad SNR	1.18
AGN frac	0.98
Host frac	0.02
$\log L_{5100, \text{Host}}$	41.73
Fe II/H β	0.39
Fe II/[O III]	1.46

Quality Flags

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