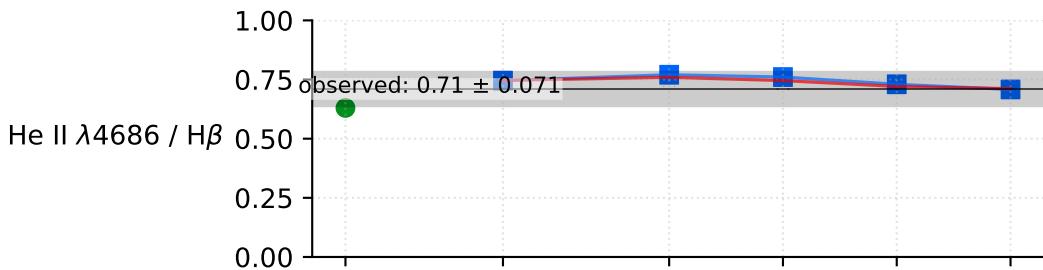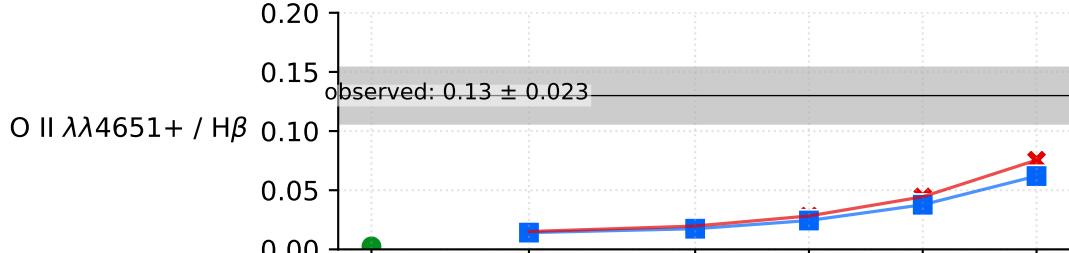Constant-density admixture models, $fZ_{0,A} + (1-f)Z_{0,B}$
$f = 0.3$, $Z_{0,B} = 6$

● homogeneous   ■ large-scale   ✕ small-scale
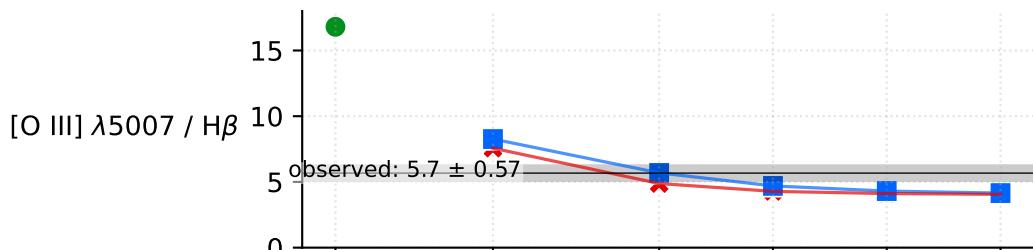
a

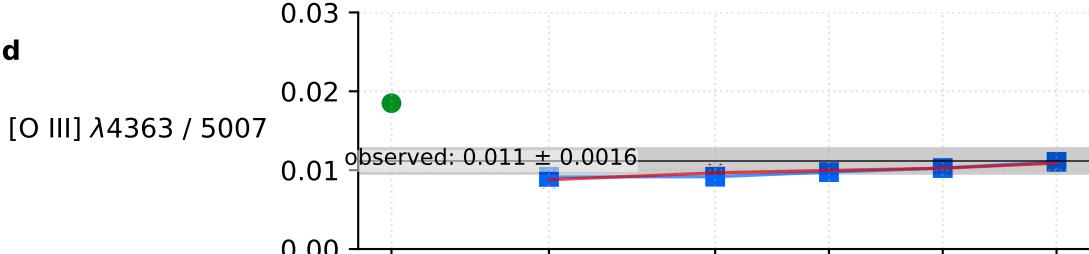He II $\lambda4686$ / Hβ

observed: 0.71 ± 0.071

b

O II $\lambda\lambda4651+$ / Hβ

observed: 0.13 ± 0.023

c

[O III] $\lambda5007$ / Hβ

observed: 5.7 ± 0.57

d

[O III] $\lambda4363$ / 5007

observed: 0.011 ± 0.0016

e

Mean Hα-weighted T_e

observed: 5e+03 ± 1e+03

Metallicity contrast, $Z_{0,A}$