

| Observed fluxes vs. model fluxes at the gridpoint defined by peaks of the 1D marginalised prior PDFs |             |           |         |        |           |         |
|--|-------------|-----------|---------|--------|-----------|---------|
| Line   | Galaxy Name | In_lhood? | Obs     | Model  | Resid_Std | Obs_S/N |
| oii3726  | rs1045      | Y         | 0.0000  | 1.3503 | 28.4469   | -0.0000 |
| oii3729  | rs1045      | Y         | 0.0000  | 1.8246 | 38.4394   | -0.0000 |
| neiii3869  | rs1045      | Y         | 0.6343  | 0.1713 | 1.5334    | 2.1009  |
| oiii4363   | rs1045      | Y         | -0.0114 | 0.0021 | -0.1018   | -0.0861 |
| hgamma   | rs1045      | Y         | 0.3250  | 0.4676 | -1.1387   | 2.5948  |
| hbeta  | rs1045      | Y         | 1.0000  | 1.0000 | 0.0000    | 8.6689  |
| oiii4959   | rs1045      | Y         | 0.3613  | 0.0971 | 2.3561    | 3.2221  |
| oiii5007   | rs1045      | Y         | 0.7432  | 0.2797 | 4.2190    | 6.7645  |
| heii5875   | rs1045      | Y         | 0.0225  | 0.1126 | -0.8672   | 0.2162  |
| oi6300   | rs1045      | Y         | 0.1796  | 0.0539 | 1.5438    | 2.2058  |
| nii6548  | rs1045      | Y         | 0.2757  | 0.1732 | 3.5373    | 9.5169  |
| halpha   | rs1045      | Y         | 2.8600  | 2.8827 | -0.1999   | 25.2172 |
| nii6584  | rs1045      | Y         | 0.8310  | 0.5101 | 3.6733    | 9.5116  |
| sii6717  | rs1045      | Y         | 0.9514  | 0.5780 | 3.8155    | 9.7213  |
| sii6731  | rs1045      | Y         | 0.8008  | 0.4312 | 3.7054    | 8.0296  |
| ariii7136  | rs1045      | Y         | 0.0016  | 0.2770 | -2.9870   | 0.0172  |

$\chi^2 = 183.1$

