

| 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    | Stdts   |
| oii3726  | rs0030      | Y         | 1.8819 | 1.3503 | 14.8051  | 52.408  |
| oii3729  | rs0030      | Y         | 1.8594 | 1.8246 | 0.9605   | 51.347  |
| neiii3869  | rs0030      | Y         | 0.1287 | 0.1713 | -2.1971  | 6.638   |
| oiii4363   | rs0030      | Y         | 0.0563 | 0.0021 | 3.8804   | 4.028   |
| hgamma   | rs0030      | Y         | 0.5311 | 0.4676 | 4.0814   | 34.118  |
| hbeta  | rs0030      | Y         | 1.0000 | 1.0000 | 0.0000   | 64.369  |
| oiii4959   | rs0030      | Y         | 0.3800 | 0.0971 | 21.4482  | 28.099  |
| oiii5007   | rs0030      | Y         | 1.0569 | 0.2797 | 43.7440  | 59.484  |
| heii5875   | rs0030      | Y         | 0.1414 | 0.1126 | 2.8075   | 14.167  |
| oi6300   | rs0030      | Y         | 0.0057 | 0.0539 | 3.3544   | 9.042   |
| nii6548  | rs0030      | Y         | 0.2201 | 0.1732 | 12.4803  | 58.556  |
| halpha   | rs0030      | Y         | 2.8600 | 2.8827 | -0.9773  | 123.312 |
| nii6584  | rs0030      | Y         | 0.6627 | 0.5101 | 13.4576  | 58.439  |
| sii6717  | rs0030      | Y         | 0.5314 | 0.5780 | -2.9124  | 33.251  |
| sii6731  | rs0030      | Y         | 0.4493 | 0.4312 | 1.1897   | 29.615  |
| ariii7136  | rs0030      | Y         | 0.0660 | 0.2770 | -20.0378 | 6.269   |

$\chi^2 = 261.5$

