

| 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_Stds | Obs_S/N |
| oii3726  | rs1202      | Y         | 0.0000  | 1.3503 | 38.4721    | -0.0006 |
| oii3729  | rs1202      | Y         | 0.0000  | 1.8246 | 51.9861    | -0.0006 |
| neiii3869  | rs1202      | Y         | 0.5339  | 0.1713 | 2.8074     | 4.1340  |
| oiii4363   | rs1202      | Y         | -0.0777 | 0.0021 | -0.9594    | -0.9345 |
| hgamma   | rs1202      | Y         | 0.7904  | 0.4676 | 4.0160     | 9.8318  |
| hbeta  | rs1202      | Y         | 1.0000  | 1.0000 | 0.0000     | 14.1085 |
| oiii4959   | rs1202      | Y         | 0.3757  | 0.0971 | 3.3392     | 4.5031  |
| oiii5007   | rs1202      | Y         | 0.8797  | 0.2797 | 7.9707     | 11.6056 |
| heii5875   | rs1202      | Y         | 0.1043  | 0.1126 | -0.1207    | 1.5095  |
| oi6300   | rs1202      | Y         | 0.1736  | 0.0539 | 2.4781     | 3.5946  |
| nii6548  | rs1202      | Y         | 0.1429  | 0.1732 | -1.9471    | 9.1699  |
| halpha   | rs1202      | Y         | 2.8600  | 2.8827 | -0.3432    | 43.2975 |
| nii6584  | rs1202      | Y         | 0.4301  | 0.5101 | -1.7030    | 9.1516  |
| sii6717  | rs1202      | Y         | 0.9945  | 0.5700 | 5.9262     | 14.1509 |
| sii6731  | rs1202      | Y         | 0.5761  | 0.4312 | 2.8447     | 11.3147 |
| ariii7136  | rs1202      | Y         | 0.0193  | 0.2770 | -5.0823    | 0.3813  |

$\chi^2 = 335.7$

