

| 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 |
| hbeta                                                                                                | rs0810      | Y         | 1.0000 | 1.0000 | 0.0000     | 20.2034 |
| oiii4959                                                                                             | rs0810      | Y         | 0.4811 | 0.0484 | 9.4479     | 10.5058 |
| oiii5007                                                                                             | rs0810      | Y         | 1.3782 | 0.1445 | 22.5369    | 25.1774 |
| o16300                                                                                               | rs0810      | Y         | 0.0839 | 0.0191 | 1.8448     | 2.3872  |
| ni16548                                                                                              | rs0810      | Y         | 0.1123 | 0.0090 | 10.3080    | 11.2049 |
| halpha                                                                                               | rs0810      | Y         | 2.8600 | 2.8386 | 0.4079     | 54.4465 |
| ni16584                                                                                              | rs0810      | Y         | 0.3381 | 0.0265 | 10.3121    | 11.1887 |
| sii6717                                                                                              | rs0810      | Y         | 0.7476 | 0.1266 | 15.8347    | 19.0615 |
| sii6731                                                                                              | rs0810      | Y         | 0.4062 | 0.0963 | 7.1488     | 9.3693  |

$\chi^2 = 185.9$

