

**Table 9.1:** Minimum and maximum values of  $\delta^{15}\text{N}$  [‰] in wet deposited ammonium and nitrate and average nitrogen concentrations [ppm] for  $\text{NH}_4\text{-N}$  and  $\text{NO}_3\text{-N}$  in rainfall and throughfall on four sites adjacent to different pollution sources along a north-south line between Liverpool and Edinburgh, UK (Harrison A.F.S., unpublished data)

| Site          |     | $\text{NO}_3\text{-N}$  | $\delta^{15}\text{N}$ of $\text{NO}_3\text{-N}$ |      | $\text{NH}_4\text{-N}$  | $\delta^{15}\text{N}$ of $\text{NH}_4\text{-N}$ |       |
|---------------|-----|-------------------------|---|------|-------------------------|---|-------|
|               |     | [mg N l <sup>-1</sup> ] | Min.  | Max. | [mg N l <sup>-1</sup> ] | Min.  | Max.  |
| Glassonby     | RF  |                         |   |      | 0.94±0.44               | -7.92   | -2.25 |
|               | ThF |                         |   |      | 7.05±1.06               | -8.10   | -2.68 |
| Knowsley Park | RF  | 0.31±0.24               | 0.63  | 4.49 | 0.81±0.63               | -15.40  | -1.69 |
|               | ThF | 0.40±0.10               | 3.79  | 3.82 | 1.85±0.82               | -17.43  | 14.63 |
| Shap          | RF  | 0.34±0.22               | -2.97   | 2.20 | 0.51±0.26               | -6.57   | 5.14  |
|               | ThF |                         |   |      | 1.37±1.35               | 5.61  | 7.18  |
| West Linton   | RF  | 0.53±0.20               | -3.40   | 0.15 | 1.31±0.43               | 2.55  | 10.97 |
|               | ThF | 3.39±1.11               | -0.88   | 4.22 | 11.58±4.25              | 12.96   | 22.74 |