

| Error                        | $\sigma_b$ | St Denis   |        | Maïdo      |        |
|------------------------------|------------|------------|--------|------------|--------|
|                              |            | Systematic | Random | Systematic | Random |
| Smoothing                    |            | 0.1        | 6.3    | 0.1        | 3.0    |
| Measurement                  |            | –          | 10.6   | –          | 4.8    |
| Retrieval parameters         |            | 0.2        | –      | 0.1        | 0.1    |
| H <sub>2</sub> O interfering |            | 0.4        | 6.1    | 1.0        | 3.3    |
| CO <sub>2</sub> interfering  |            | –          | 0.2    | –          | 0.1    |
| Temperature                  |            | 4.1        | 2.0    | 2.5        | 1.0    |
| SF <sub>6</sub> spectroscopy | 2(0)       | 2.2        | –      | 2.2        | –      |
| SZA                          | 0.1(0.2)   | 0.2        | 0.4    | 0.3        | 0.6    |
| ILS                          | 5(5)       | 0.2        | 0.2    | 0.2        | 0.2    |
| zshift                       | 1(1)       | 0.2        | 0.2    | –          | –      |
| Total                        |            | 4.6        | 14.0   | 3.7        | 6.7    |