

| Parameter | Technique | Manufacturer/model | Reference |
|---|--|----------------------------------|-----------------------------|
| CO | VUV fluorescence | Aerolaser, AL5002 | Gerbig et al. (1999) |
| O ₃ | UV absorption | Thermo Electron Corporation, 49C | O'Shea et al. (2013) |
| CH ₄ , CO ₂ | Off axis-integrated cavity Output spectroscopy | Los Gatos, FGGA 907-0010 | |
| N ₂ O, CH ₄ | Tunable infrared laser Differential absorption spectroscopy | Aerodyne Research, QC-TILDAS-CS | Pitt et al. (2016) |
| NO _x | Chemiluminescence | Air Quality Design | Di Carlo et al. (2013) |
| HFCs, PFCs, SF ₆ , C ₂ -C ₇ VOCs | Whole-air sampling | Thames Restek | Lewis et al. (2013) |
| $\Delta^{14}\text{CO}_2$ | Glass flask sampling | NORMAG | Allen et al. (2014) |
| $\delta^{13}\text{CH}_4$ | Tedlar bag sampling | SKC | |
| CO ₂ , CH ₄ , O ₃ , H ₂ O, CO | FTIR total column remote sensing | UK Met Office, ARIES | Ström et al. (1994) |
| Humidity | Chilled mirror | General Eastern, GE 1011B | Petersen and Renfrew (2009) |
| Temperature | PRT | Rosemount Aerospace, 102 AL | Brown et al. (1983) |
| Wind vector | 5-hole probe | BAE Systems & UK Met Office | |