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| --- | --- | --- | --- | --- | --- |
| **Parameter** | **Instrument** | **Measurement mode** | **Time step** | **Height of instrument position** | **Start of measurement** |
| CO2, CH4 | Picarro G2301 | continuous | 1 hour | 10 m, 50 m, 125 m, 250 m | September 2014 |
| CO, N2O | LGR N2O/CO-23d analyzer | continuous | 1 hour | 10 m, 50 m, 125 m, 250 m | September 2014 |
| 13C and 18O in CO2, H2, N2O, SF6, O2/N2 | Flask sampling  | periodical | 1 week | 250 m | 2015 |
| CO2, CH4, CO, N2O | Flask sampling | periodical | 1 week | 250 m | 2015 |
| 14C in CO2 | Sorption flask with NaOH | periodical | 1 week | 250 m | 2015 |
| O3 | Thermo 49i | continuous | 1 min | 50 m, 125m, 230 m | September 2013 |
| Hg | TEKRAN 2537B | continuous | 5 min | At ground, 240 m | December 2012 |
| EC/OC | Sunset – model 4G Semi Continuous Field Analyzer | continuous | 4 hours | At ground | March 2013 |
| Aerosol light absorption | Aethalometer Magee Scientific AE31 | continuous | 5 min | At ground | September 2012 |
| Aerosol light scattering | Nephelometer TSI 3563 | continuous | 5 min | At ground | September 2012 |
| Wind speed and direction | 2D heated anemometer WindObserver 65 | continuous | 1 min | 10 m, 50 m, 125 m, 240 m, 250 m | May/August 2014 |
| Air pressure | Barometer R. M. Young 61302 | continuous | 1 min | 10 m, 50 m, 125 m, 240 m, 250 m | May 2014 |
| Air temperature and relative humidity | Vaisala HMP155 | continuous | 1 min | 10 m, 50 m, 125 m, 240 m, 250 m | May 2014 |
| Planetary boundary layer height | Vaisala CL51 | continuous | 16s | At ground | December 2014 |