

Table 2 Standard deviation calculated for PBL height measurements of instruments at different intervals of the daily cycle.

| σ – IOP1 (February 15 to March 31, 2014) | | | | |
|---|------------|------------|------------|------------|
| Hours | 00 – 06 LT | 06 – 09 LT | 09 – 18 LT | 18 – 23 LT |
| Ceilometer | 27.2 | 18.0 | 10.7 | 9.7 |
| Lidar | -X- | 15.5 | 23.4 | -X- |
| MWR | -X- | -X- | -X- | -X- |
| RWP | 7.5 | 19.3 | 13.3 | 14.1 |
| Sodar | 2.5 | -X- | -X- | 4.0 |
| σ – IOP2 (September 1 to October 15, 2014) | | | | |
| Hours | 00 – 06 LT | 06 – 09 LT | 09 – 18 LT | 18 – 23 LT |
| Ceilometer | 5.2 | 21.5 | 18.4 | 11.4 |
| Lidar | -X- | 13.5 | 29.1 | -X- |
| MWR | 3.3 | 11.5 | 25.3 | 16.3 |
| RWP | 6.8 | 20.1 | 23.2 | 8.4 |
| Sodar | 2.6 | -X- | -X- | 5.8 |

* “X” represents where absente measurements occurred

Table 3 Standard deviation calculated for PBL height measurements of instruments at different intervals of the daily cycle.

| σ – IOP3 (February 15 to March 31, 2015) | | | | |
|---|------------|------------|------------|------------|
| Hours | 00 – 06 LT | 06 – 09 LT | 09 – 18 LT | 18 – 23 LT |
| Ceilometer | 18.4 | 14.1 | 10.7 | 14.5 |
| Lidar | -X- | 11.1 | 24.3 | -X- |
| MWR | 4.3 | 6.8 | 14.7 | 7.8 |
| RWP | 2.4 | 17.2 | 18.4 | 11.6 |
| Sodar | 2.5 | -X- | -X- | 4.0 |
| σ – IOP4 (September 1 to October 15, 2015) | | | | |
| Hours | 00 – 06 LT | 06 – 09 LT | 09 – 18 LT | 18 – 23 LT |
| Ceilometer | 11.4 | 7.75 | 13.6 | 15.0 |
| Lidar | -X- | -X- | -X- | -X- |
| MWR | 2.5 | 16.4 | 27.7 | 12.6 |
| RWP | 3.1 | 8.9 | 29.6 | 7.8 |
| Sodar | 3.6 | -X- | -X- | 6.7 |

* “X” represents where absente measurements occurred