Supplement to: A New Differential Optical Absorption Spectroscopy Instrument to Study Atmospheric Chemistry from a High-Altitude Unmanned Aircraft

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Figure 1. Daytime portion of ATTREX Science Flight 3 on Feb. 14, 2013. The aircraft altitude is color coded. Three vertical maneuvers can be clearly identified.



Figure 2. Sensitivity runs 0 (base run), 1, and 2 for NO₂, according to the parameters given Table 5.



Figure 3. Sensitivity runs 0 (base run), 3, 4, 5, and 6 for NO₂, according to the parameters given Table 5.



Figure 4. Sensitivity runs 0 (base run), 7, 8, 9, and 10 for NO_2 , according to the parameters given Table 5.



Figure 5. Sensitivity runs 0 (base run), 11, 12, and 13 for NO_2 , according to the parameters given Table 5.



Figure 6. Sensitivity runs 0 (base run), 14, and 15 for NO_2 , according to the parameters given Table 5.



Figure 7. Sensitivity runs 0 (base run), 16, 17, and 18 for NO₂, according to the parameters given Table 5.



Figure 8. Sensitivity runs 0 (base run), 19, 20, and 21 for NO₂, according to the parameters given Table 5.



Figure 9. Sensitivity runs 0 (base run), 22, 23, and 24 for NO₂, according to the parameters given Table 5.



Figure 10. Sensitivity runs 0 (base run), 25, and 26 for NO₂, according to the parameters given Table 5.



Figure 11. Sensitivity runs 0 (base run), 1, and 2 for BrO, according to the parameters given Table 5.



Figure 12. Sensitivity runs 0 (base run), 3, 4, 5, and 6 for BrO, according to the parameters given Table 5.

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Figure 13. Sensitivity runs 0 (base run), 7, 8, 9, and 10 for BrO, according to the parameters given Table 5.



Figure 14. Sensitivity runs 0 (base run), 11, 12, and 13 for BrO, according to the parameters given Table 5.

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Figure 15. Sensitivity runs 0 (base run), 14, and 15 for BrO, according to the parameters given Table 5.



Figure 16. Sensitivity runs 0 (base run), 16, 17, and 18 for BrO, according to the parameters given Table 5.



Figure 17. Sensitivity runs 0 (base run), 19, 20, and 21 for BrO, according to the parameters given Table 5.



Figure 18. Sensitivity runs 0 (base run), 22, 23, and 24 for BrO, according to the parameters given Table 5.

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Figure 19. Sensitivity runs 0 (base run), 25, and 26 for BrO, according to the parameters given Table 5.