

Concept Drift Mitigation in Low-Cost Air Quality Monitoring Networks

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S.1 REU plots of reference data selection for calibration update

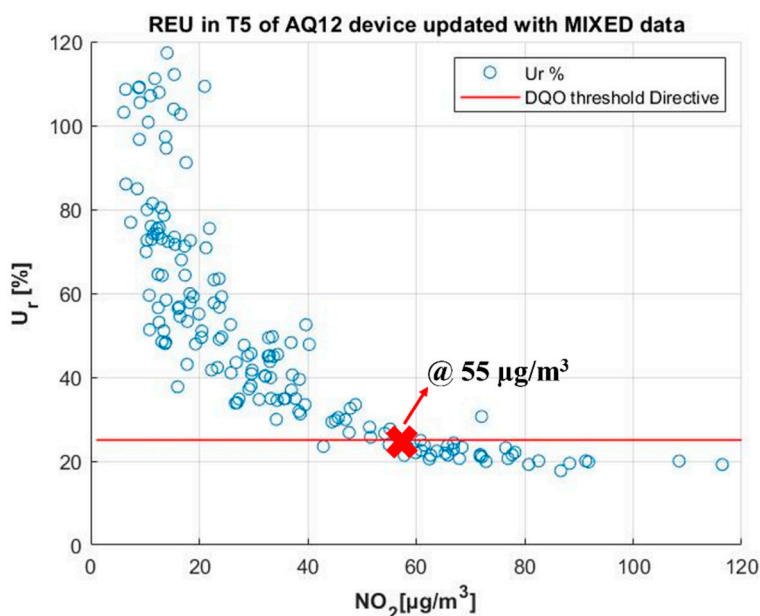
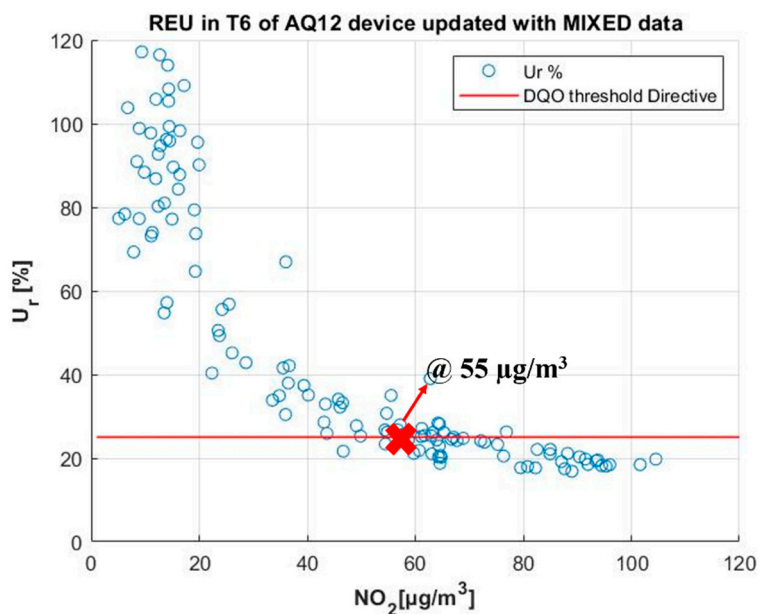


Figure S.1. 1 Plot of Relative Expanded Uncertainties in T5 when AQ12 is re-calibrated with data of T4 (Mixed scenario).

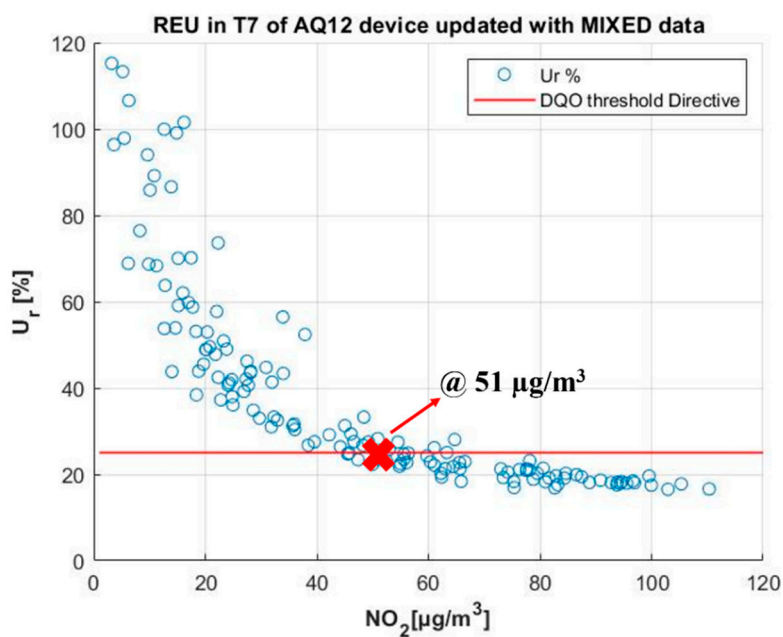


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Figure S.1. 2 Plot of Relative Expanded Uncertainties in T6 when AQ12 is re-calibrated with data of T4 (Mixed scenario).

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Figure S.1. 3 Plot of Relative Expanded Uncertainties in T7 when AQ12 is re-calibrated with data of T4 (Mixed scenario).

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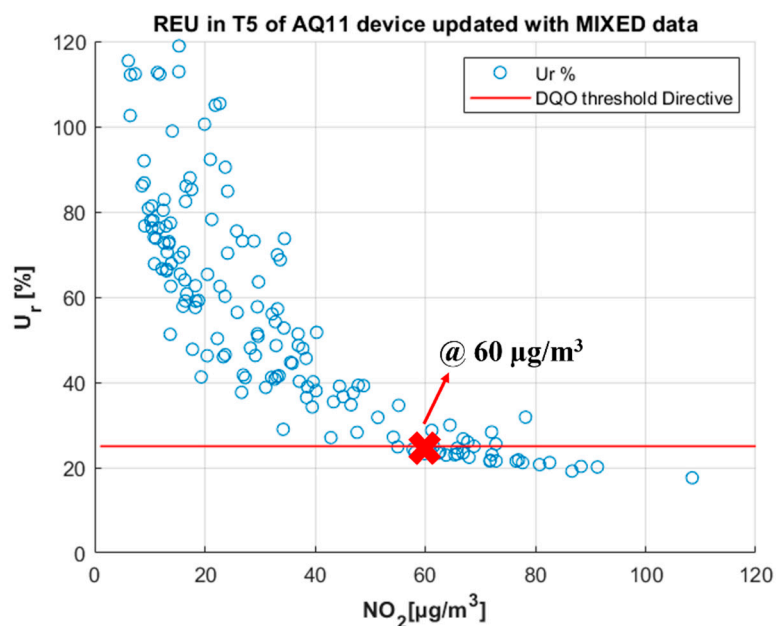


Figure S.1. 4 Plot of Relative Expanded Uncertainties in T5 when AQ11 is re-calibrated with data of T4 (Mixed scenario).

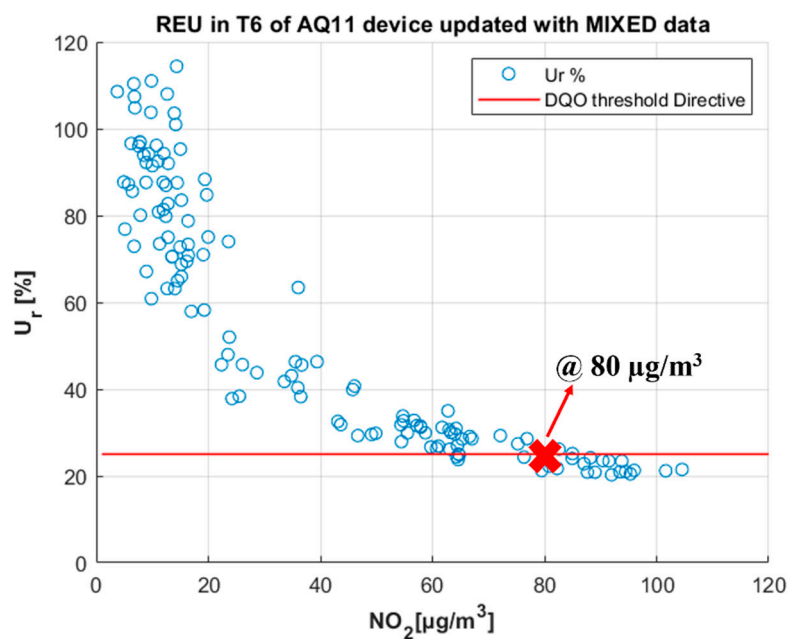


Figure S.1. 5 Plot of Relative Expanded Uncertainties in T6 when AQ11 is re-calibrated with data of T4 (Mixed scenario).

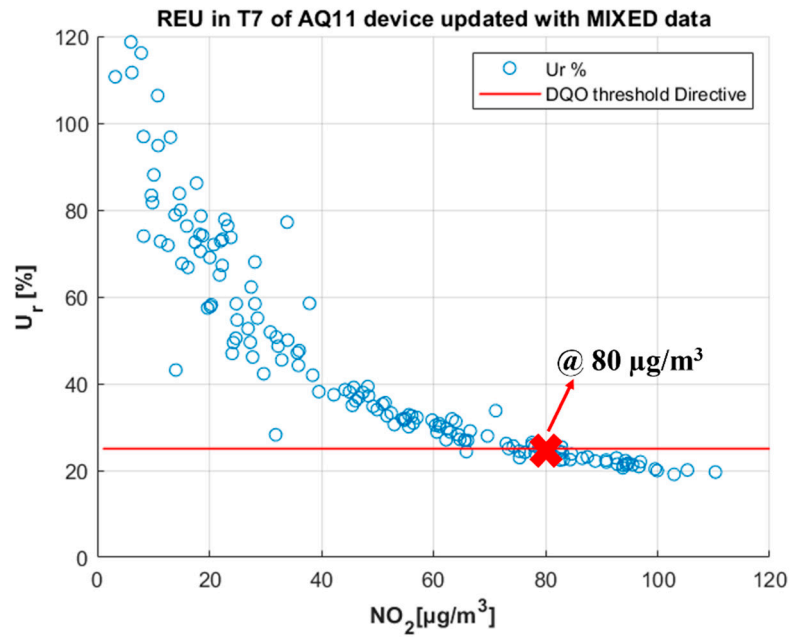


Figure S.1. 6 Plot of Relative Expanded Uncertainties in T7 when AQ11 is re-calibrated with data of T4 (Mixed scenario).

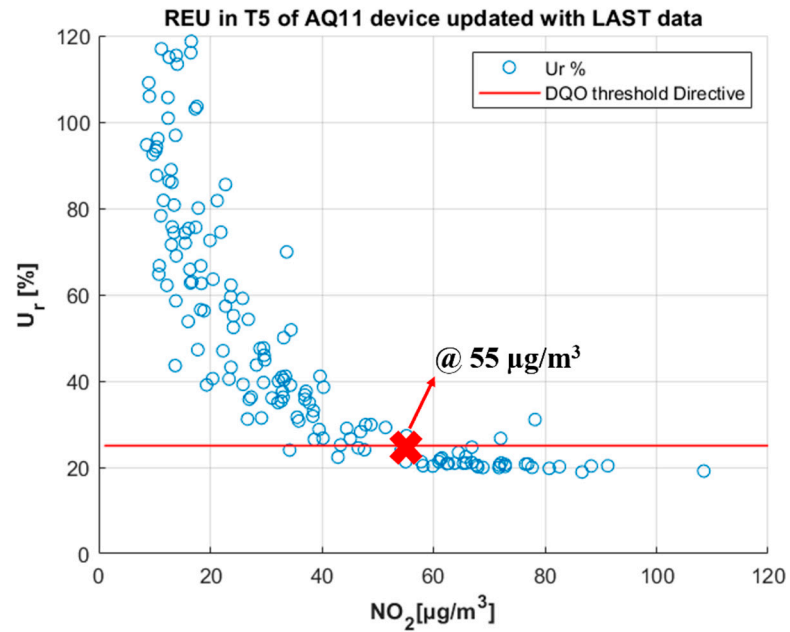
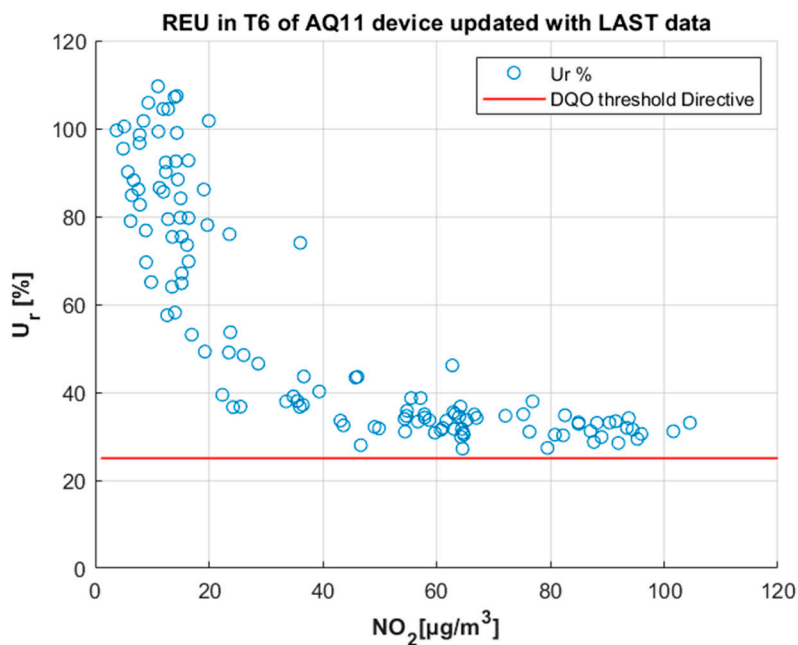


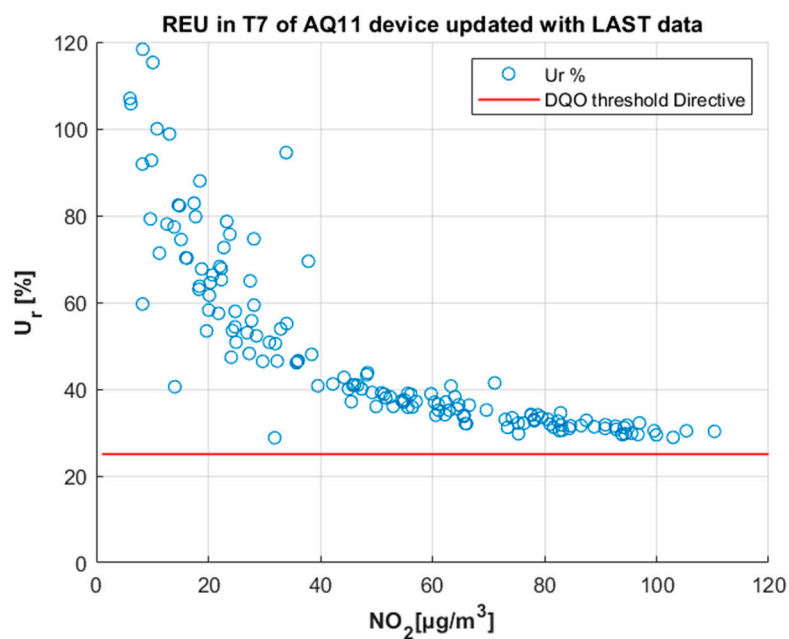
Figure S.1. 7 Plot of Relative Expanded Uncertainties in T5 when AQ11 is re-calibrated with data of T3 (Last scenario).



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Figure S.1. 8 Plot of Relative Expanded Uncertainties in T6 when AQ11 is re-calibrated with data of T3 (Last scenario).

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Figure S.1. 9 Plot of Relative Expanded Uncertainties in T7 when AQ11 is re-calibrated with data of T3 (Last scenario).

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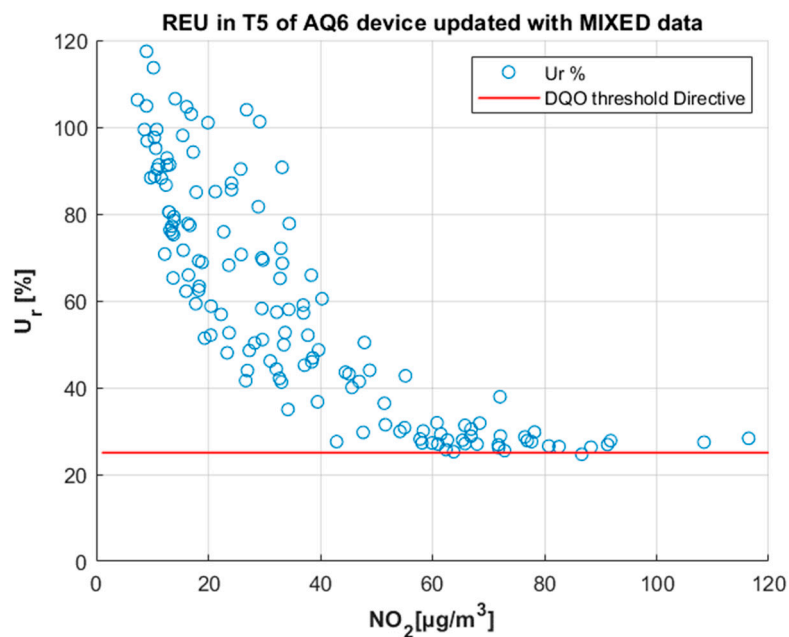


Figure S.1. 10 Plot of Relative Expanded Uncertainties in T5 when AQ6 is re-calibrated with data of T4 (Mixed scenario).

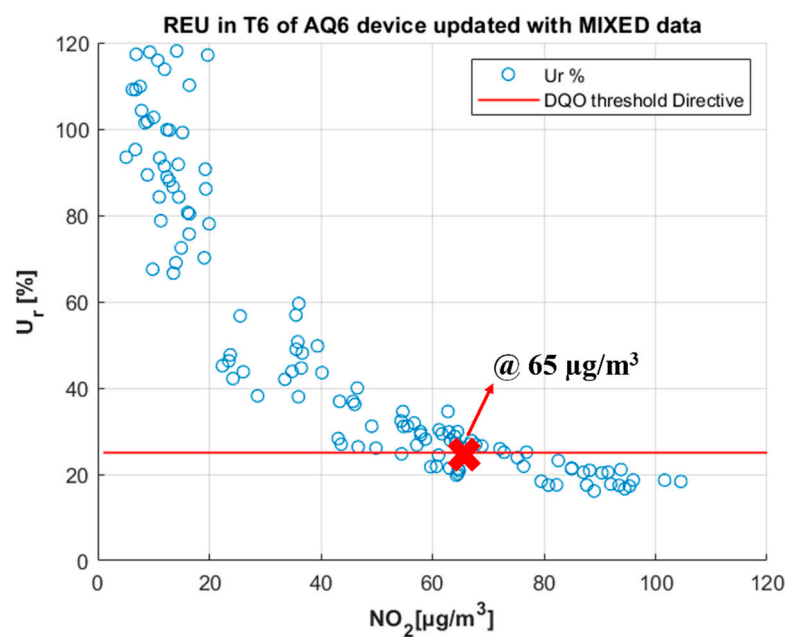


Figure S.1. 11 Plot of Relative Expanded Uncertainties in T6 when AQ6 is re-calibrated with data of T4 (Mixed scenario).

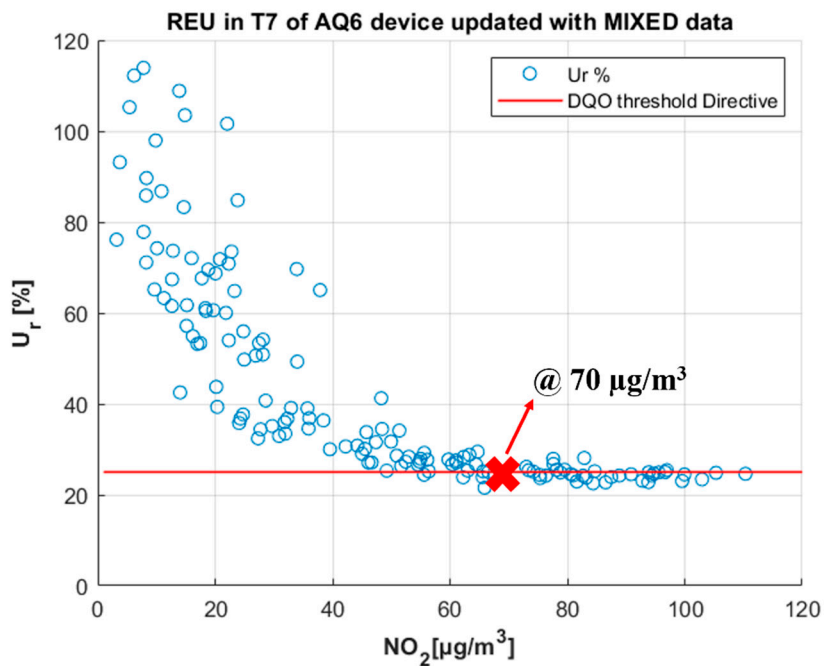


Figure S.1. 12 Plot of Relative Expanded Uncertainties in T7 when AQ6 is re-calibrated with data of T4 (Mixed scenario).

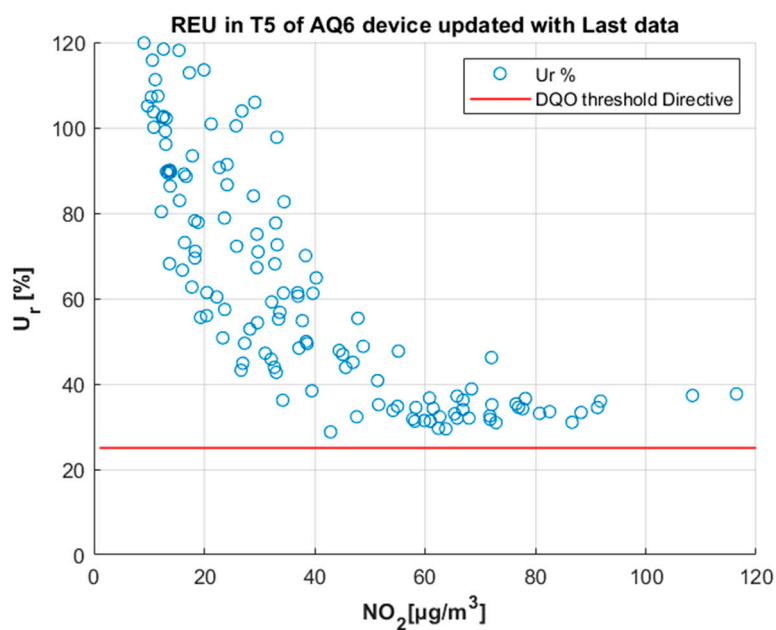


Figure S.1. 13 Plot of Relative Expanded Uncertainties in T5 when AQ6 is re-calibrated with data of T3 (Last scenario).

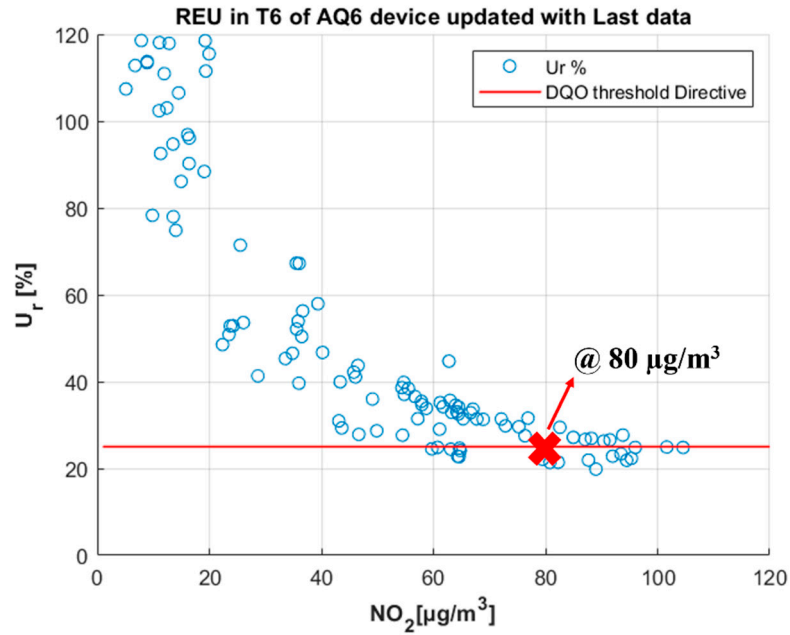


Figure S.1. 14 Plot of Relative Expanded Uncertainties in T6 when AQ6 is re-calibrated with data of T3 (Last scenario).

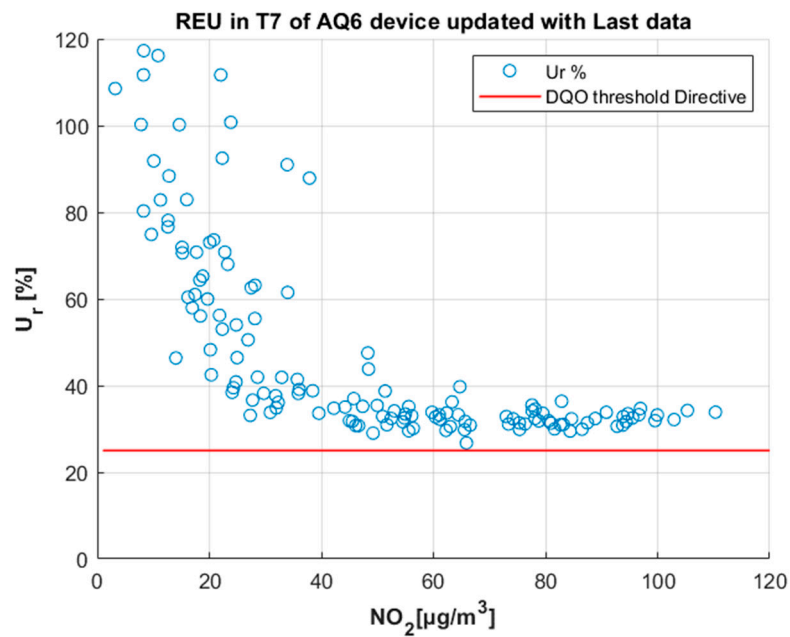


Figure S.1. 15 Plot of Relative Expanded Uncertainties in T7 when AQ6 is re-calibrated with data of T3 (Last scenario).

S.2 REU plots of general calibration model

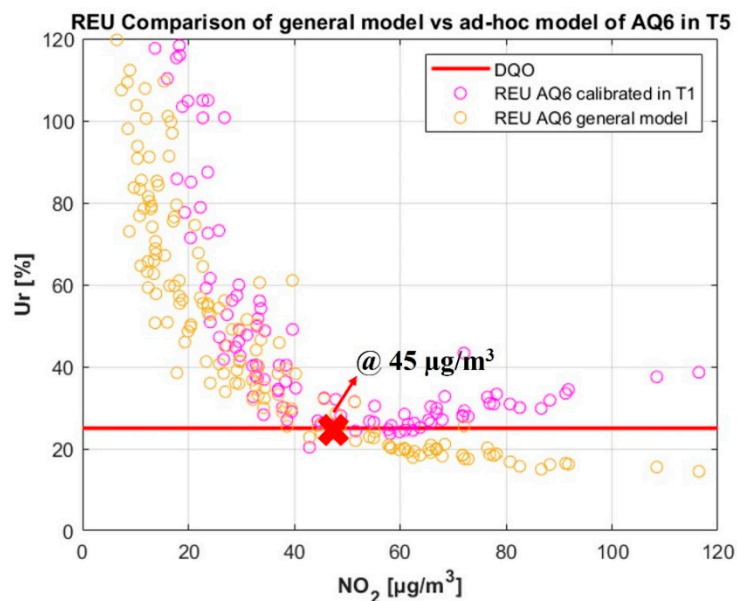


Figure S.2. 1 Plot of Relative Expanded Uncertainties in T5 when AQ6 is re-calibrated with global calibration model.

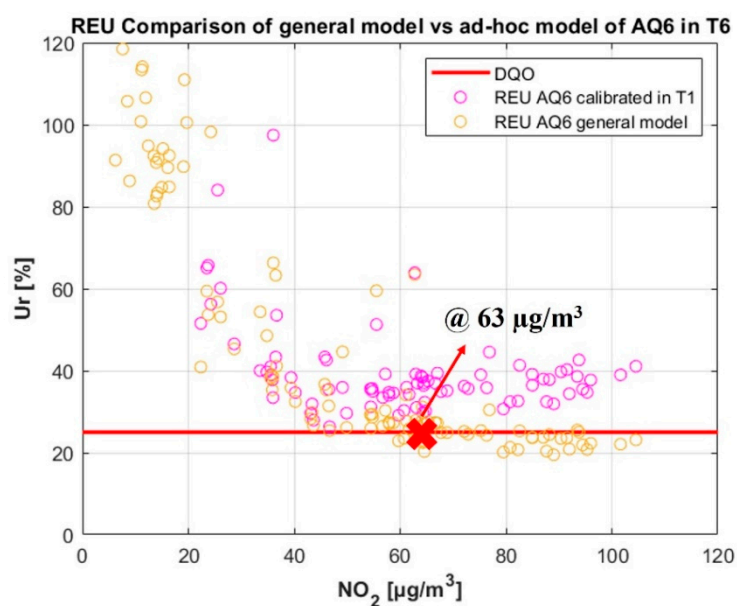
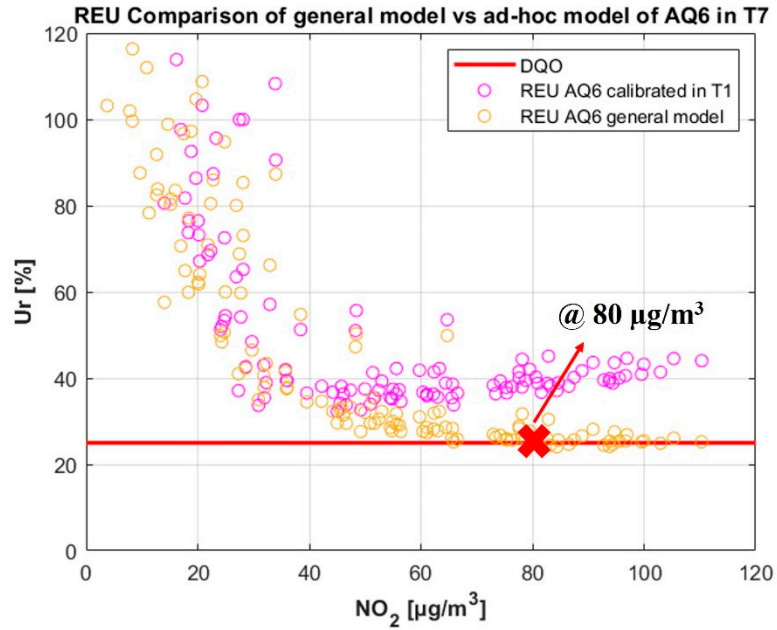


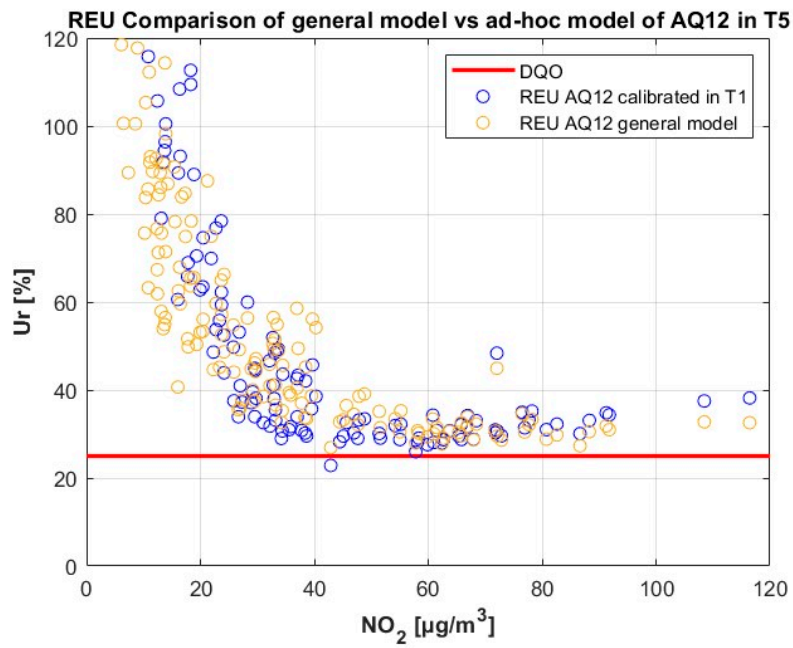
Figure S.2. 2 Plot of Relative Expanded Uncertainties in T6 when AQ6 is re-calibrated with global calibration model.



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Figure S.2. 3 Plot of Relative Expanded Uncertainties in T7 when AQ6 is re-calibrated with global calibration model.

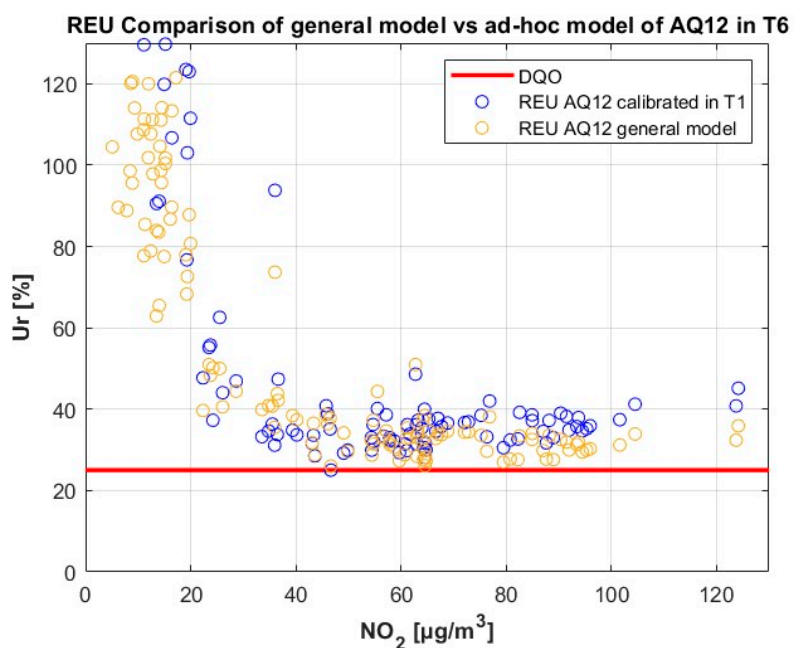
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Figure S.2. 4 Plot of Relative Expanded Uncertainties in T5 when AQ12 is re-calibrated with global calibration model.

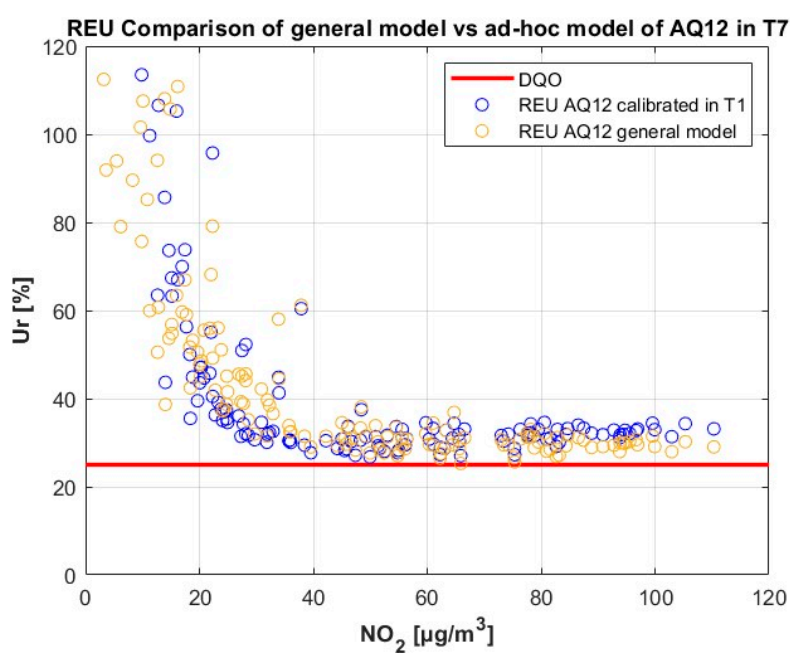
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Figure S.2. 5 Plot of Relative Expanded Uncertainties in T6 when AQ12 is re-calibrated with global calibration model.

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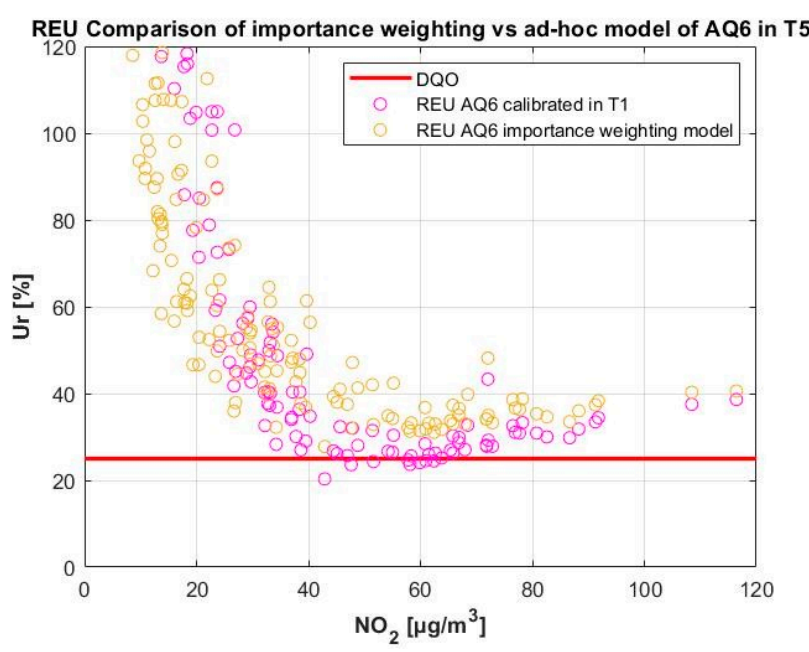
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Figure S.2. 6 Plot of Relative Expanded Uncertainties in T7 when AQ12 is re-calibrated with global calibration model.

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S.3 REU plots of importance weighting calibration model

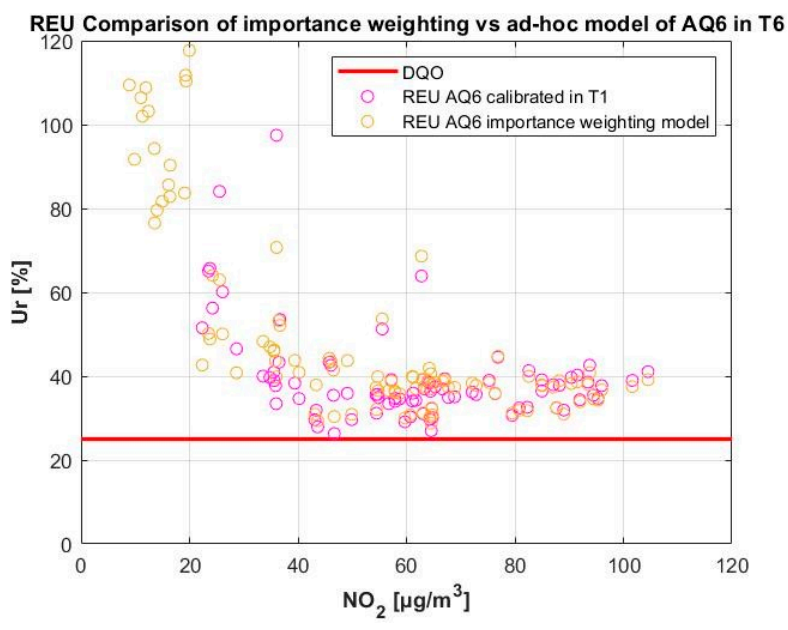
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Figure S.3. 1 Plot of Relative Expanded Uncertainties in T5 when AQ6 is re-calibrated with the importance weighted calibration model.

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Figure S.3. 2 Plot of Relative Expanded Uncertainties in T6 when AQ6 is re-calibrated with the importance weighted calibration model.

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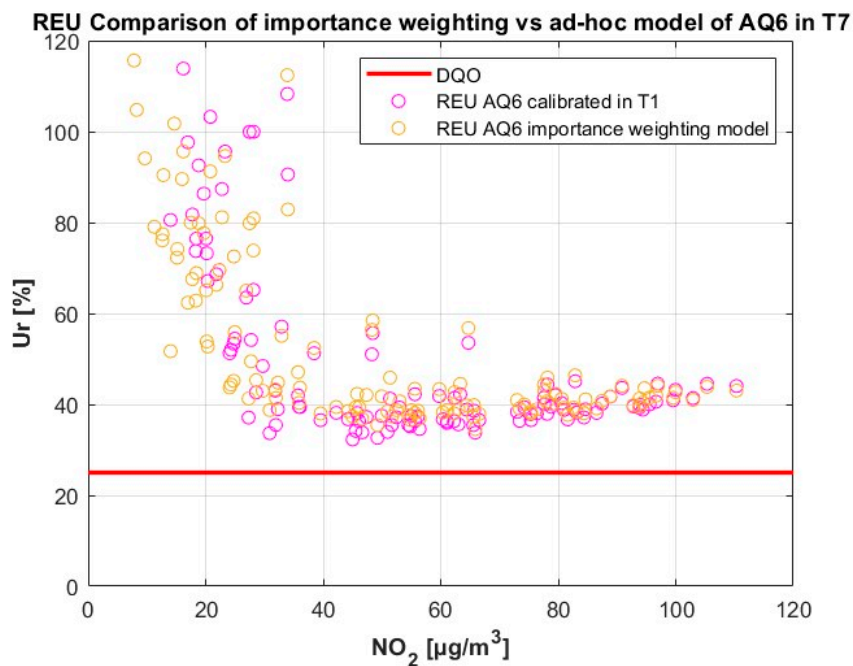


Figure S.3. 3 Plot of Relative Expanded Uncertainties in T7 when AQ6 is re-calibrated with the importance weighted calibration model.

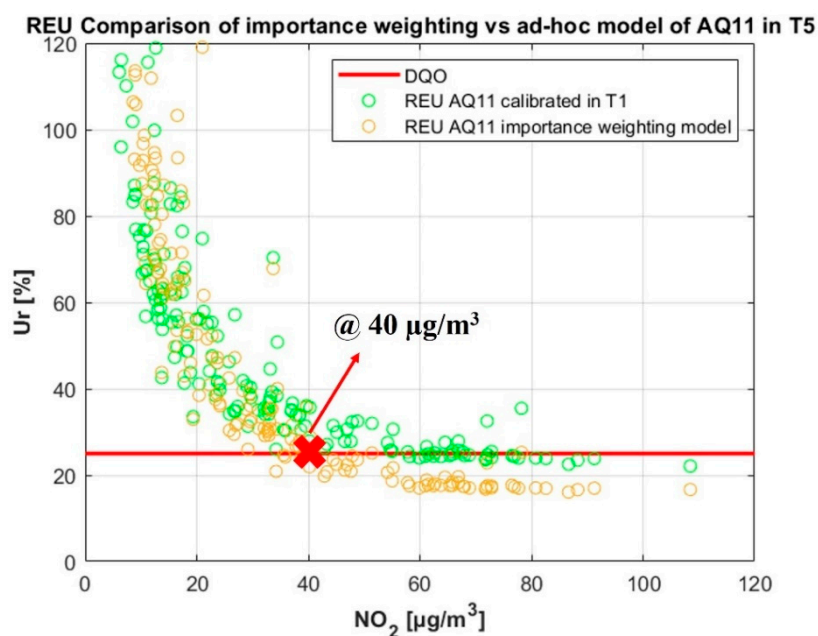


Figure S.3. 4 Plot of Relative Expanded Uncertainties in T5 when AQ11 is re-calibrated with the importance weighted calibration model.

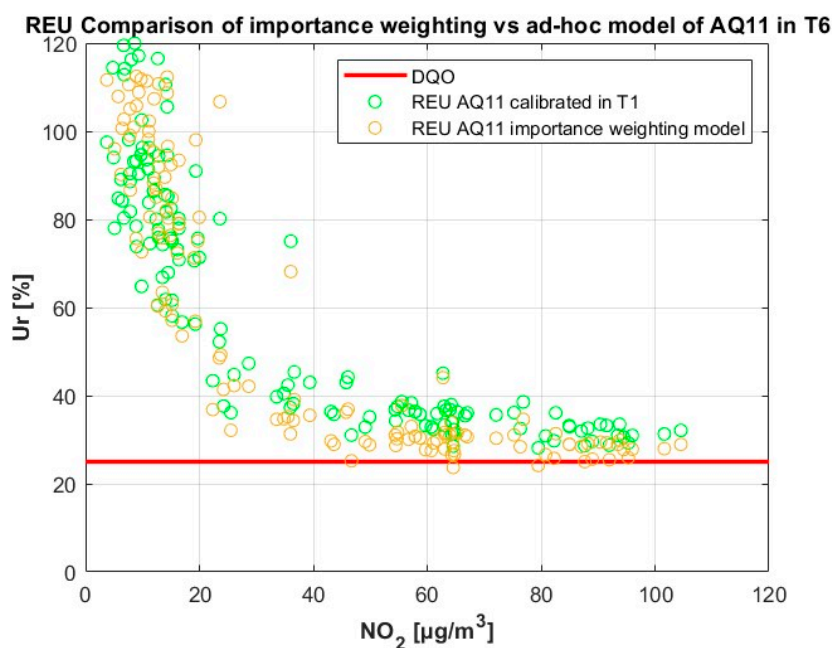


Figure S.3. 5 Plot of Relative Expanded Uncertainties in T6 when AQ11 is re-calibrated with the importance weighted calibration model.

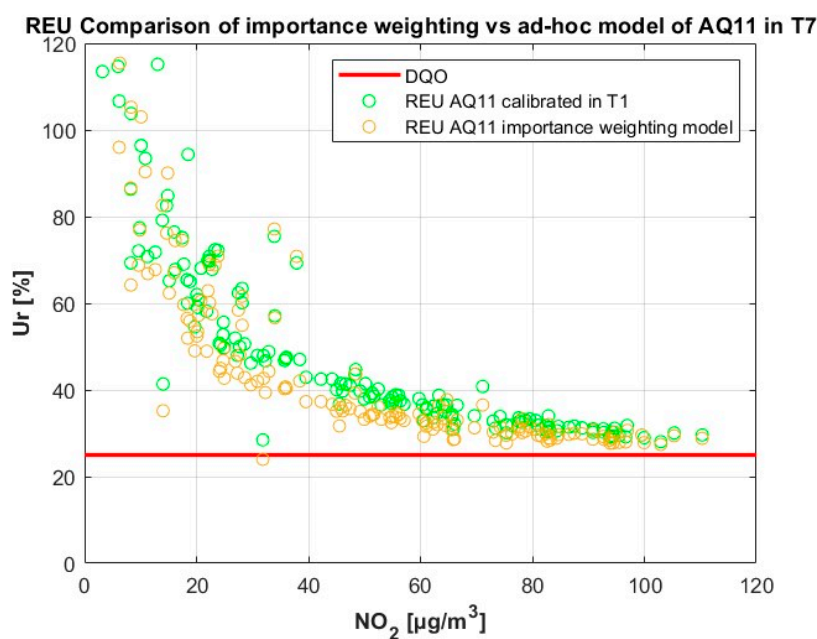
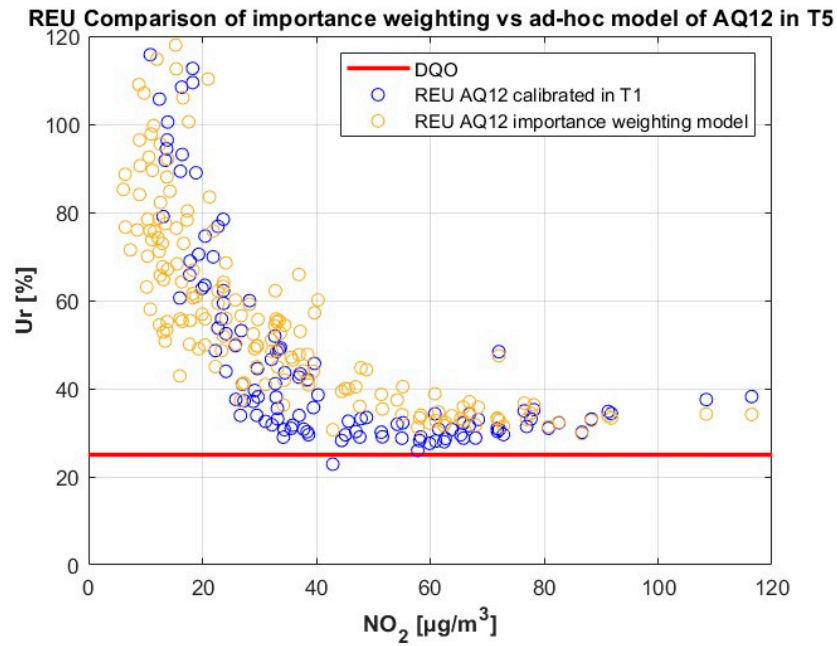


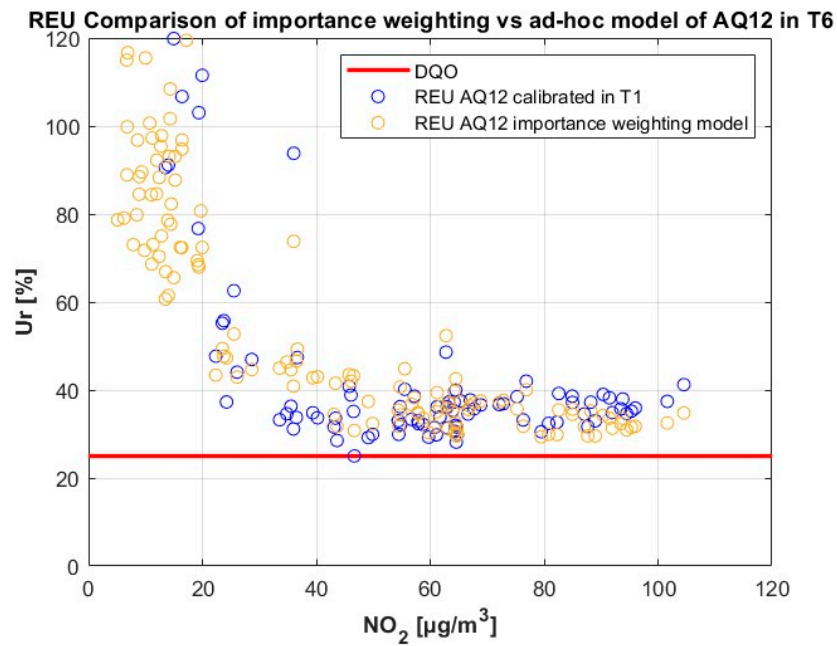
Figure S.3. 6 Plot of Relative Expanded Uncertainties in T7 when AQ11 is re-calibrated with the importance weighted calibration model.



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Figure S.3. 7 Plot of Relative Expanded Uncertainties in T5 when AQ12 is re-calibrated with the importance weighted calibration model.

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Figure S.3. 8 Plot of Relative Expanded Uncertainties in T6 when AQ12 is re-calibrated with the importance weighted calibration model.

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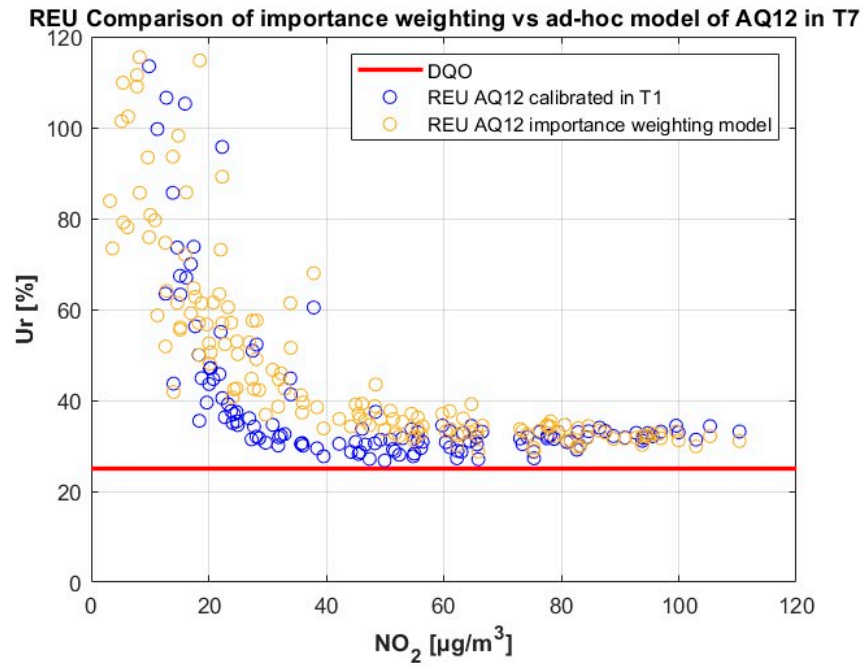


Figure S.3. 9 Plot of Relative Expanded Uncertainties in T7 when AQ12 is re-calibrated with the importance weighted calibration model.

S.4 REU plots of stacking ensemble calibration model

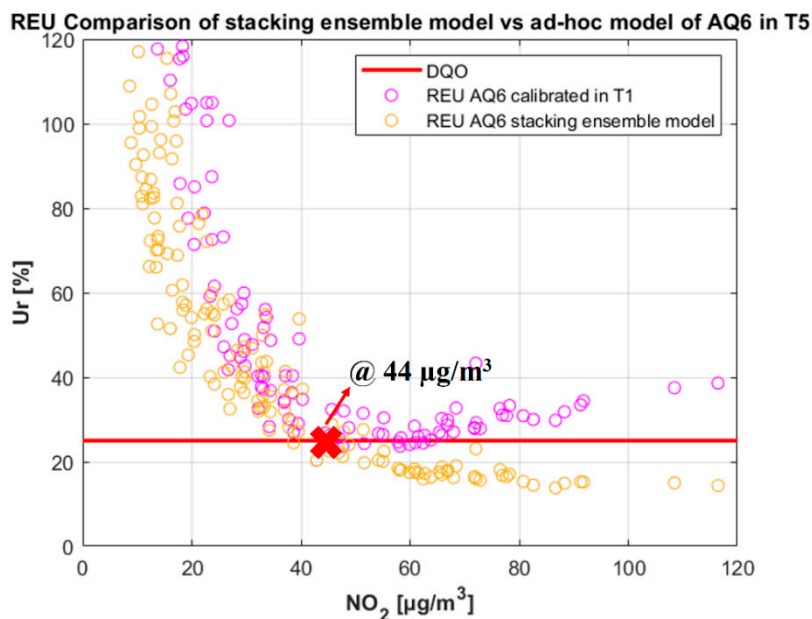


Figure S.4. 1 Plot of Relative Expanded Uncertainties in T5 when AQ6 is re-calibrated with the stacking ensemble calibration model.

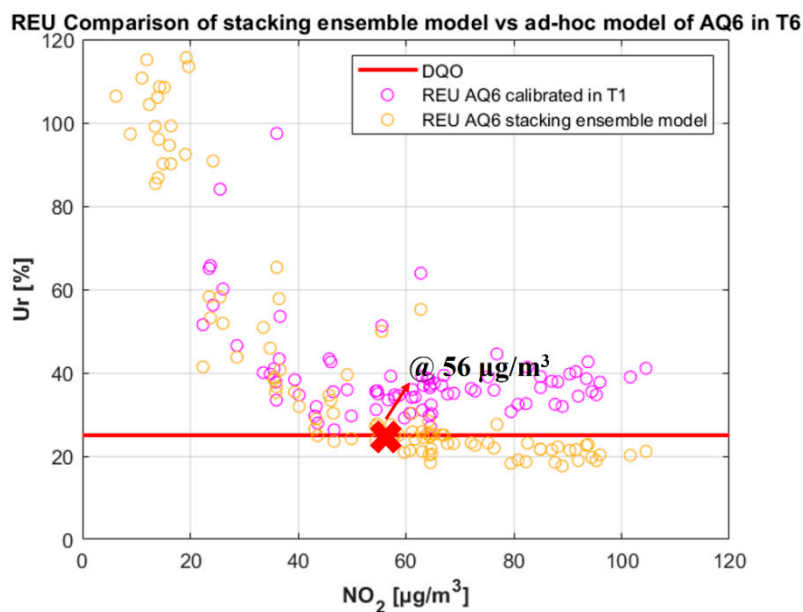


Figure S.4. 2 Plot of Relative Expanded Uncertainties in T6 when AQ6 is re-calibrated with the stacking ensemble calibration model.

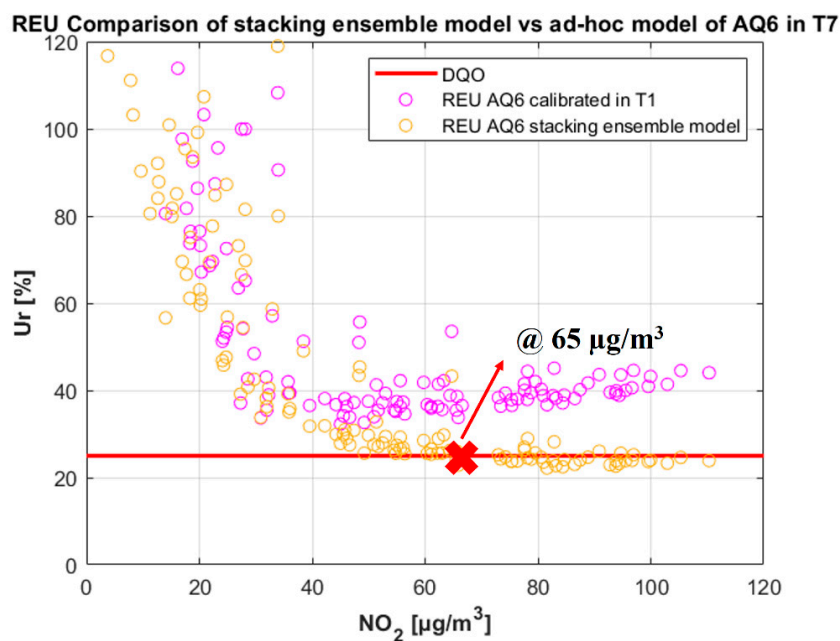


Figure S.4. 3 Plot of Relative Expanded Uncertainties in T7 when AQ6 is re-calibrated with the stacking ensemble calibration model.

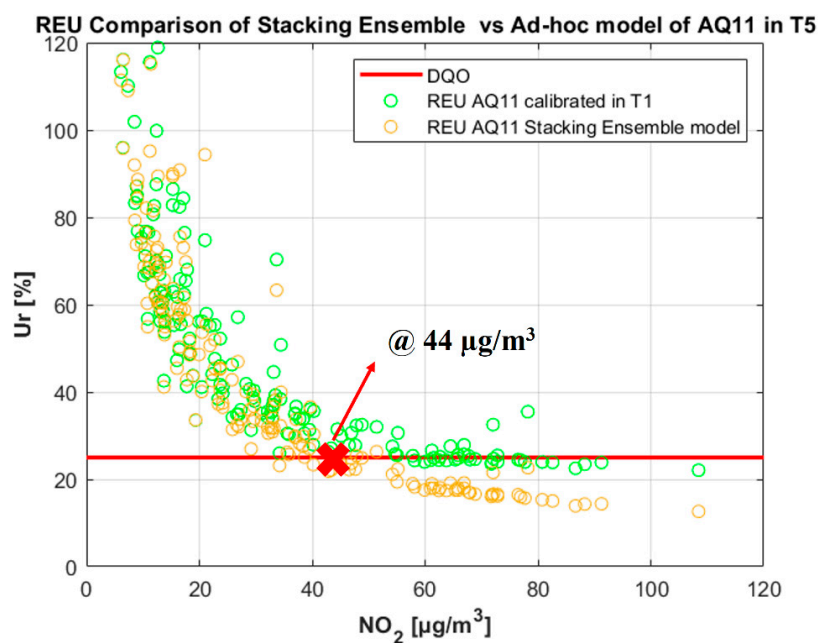


Figure S.4. 4 Plot of Relative Expanded Uncertainties in T5 when AQ11 is re-calibrated with the stacking ensemble calibration model.

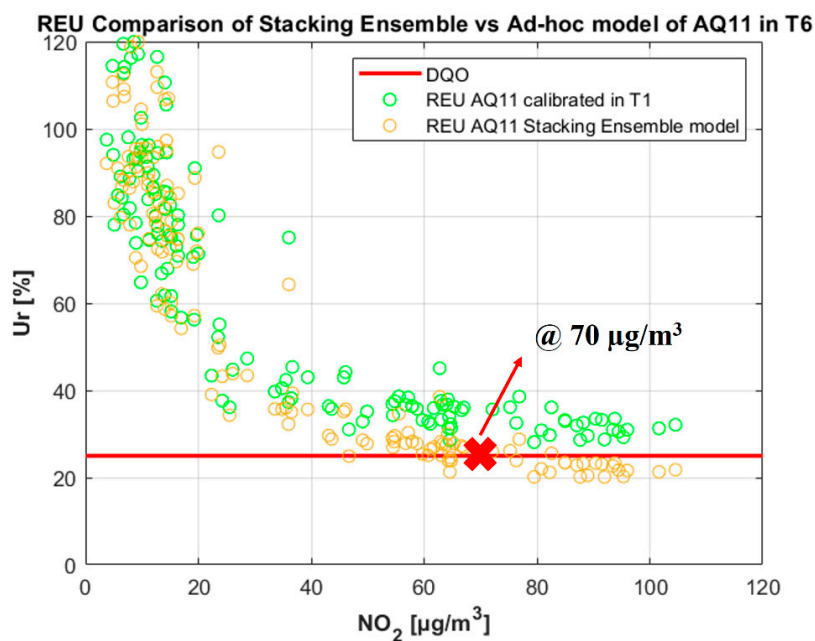


Figure S.4. 5 Plot of Relative Expanded Uncertainties in T6 when AQ11 is re-calibrated with the stacking ensemble calibration model.

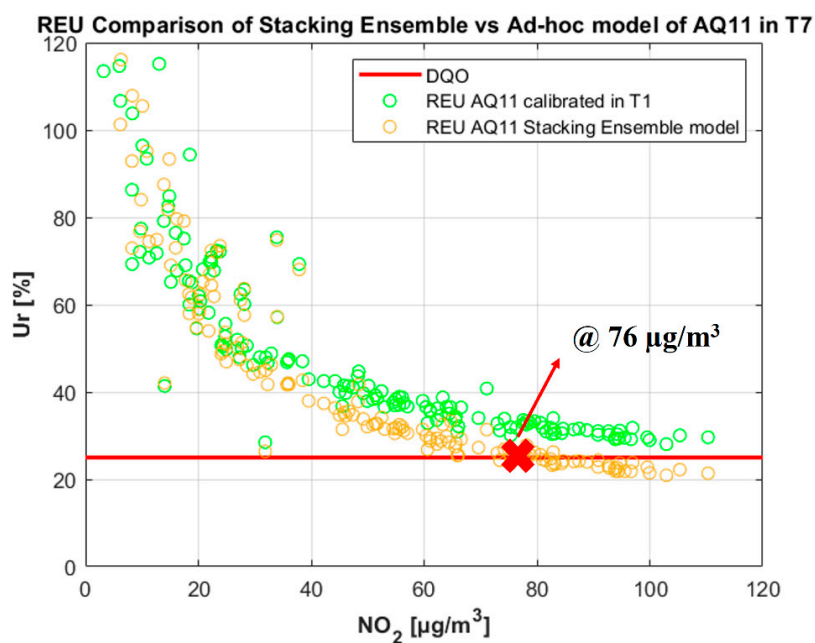


Figure S.4. 6 Plot of Relative Expanded Uncertainties in T7 when AQ11 is re-calibrated with the stacking ensemble calibration model.

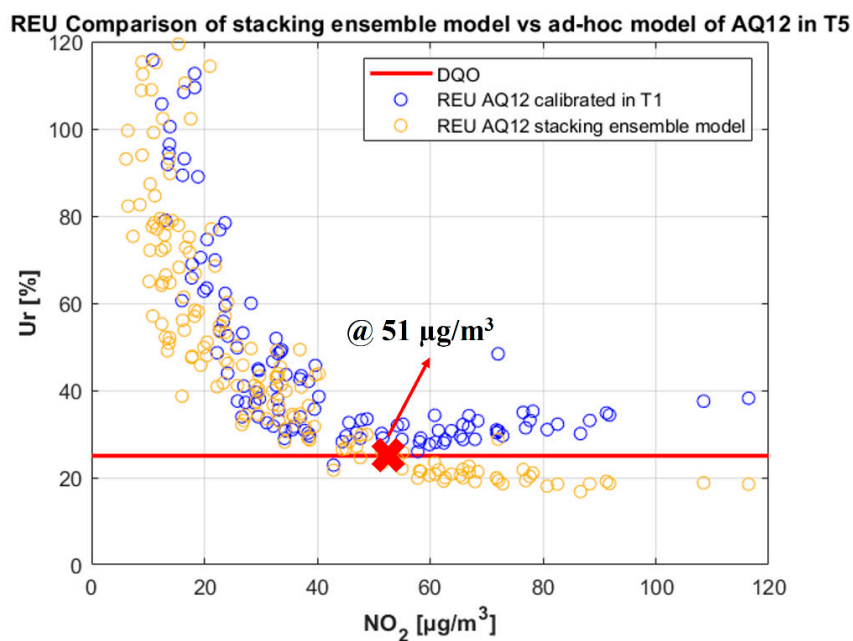


Figure S.4. 7 Plot of Relative Expanded Uncertainties in T5 when AQ12 is re-calibrated with the stacking ensemble calibration model.

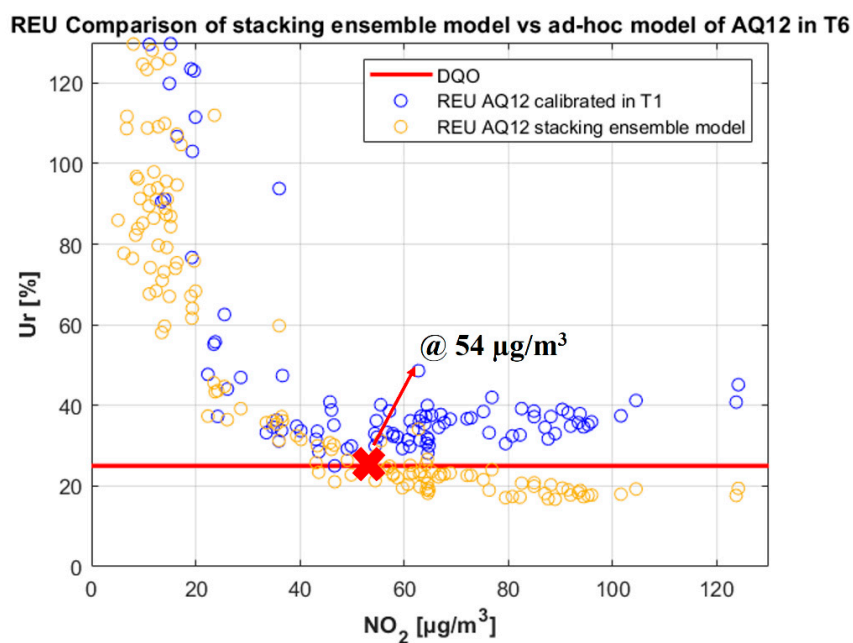


Figure S.4. 8 Plot of Relative Expanded Uncertainties in T6 when AQ12 is re-calibrated with the stacking ensemble calibration model.

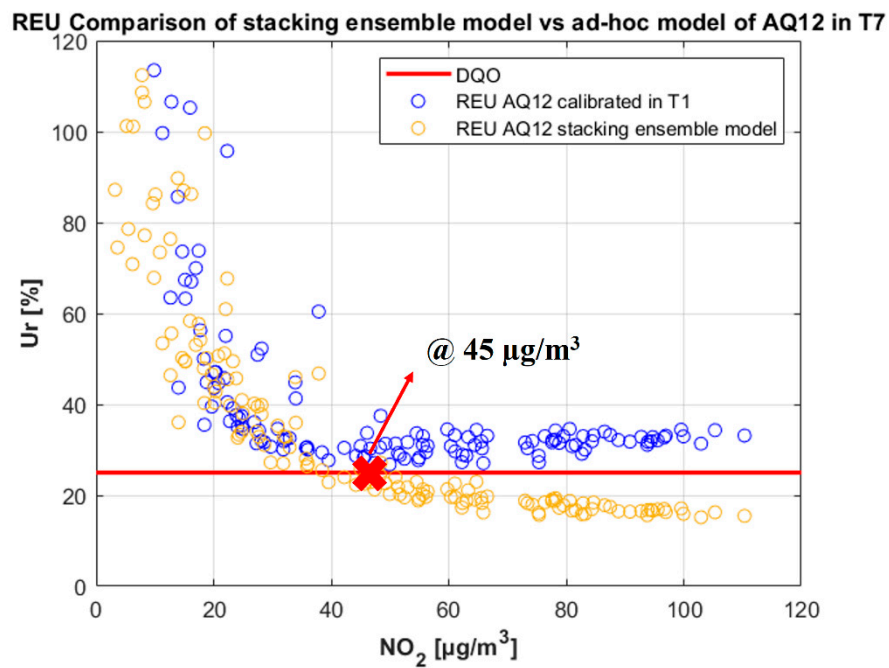


Figure S.4. 9 Plot of Relative Expanded Uncertainties in T7 when AQ12 is re-calibrated with the stacking ensemble calibration model.