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Supplement of

An examination of enhanced atmospheric methane detection methods for predicting performance of a novel multiband uncooled radiometer imager

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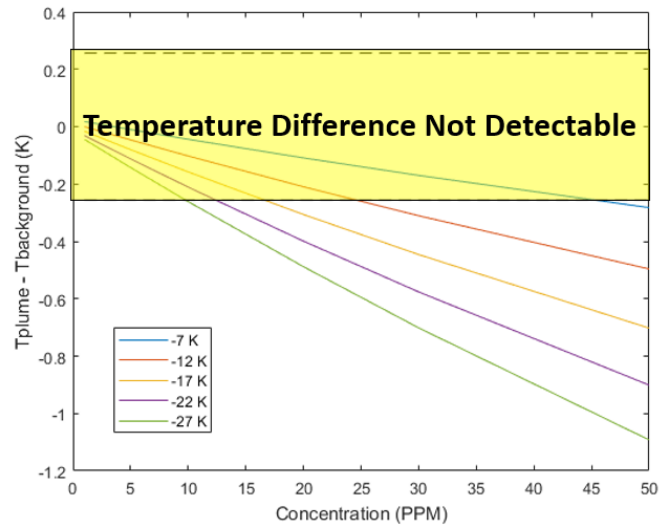


Fig. S1. Recreation of Figure 5. Describes NEdT comparison study using temperature difference between the plume and the surface.

Table S1. Area Under MURI Matched Filter ROC Curves (Figure 6)

Concentration PPM #	Line Color	Area
20	Black	0.97
15	Red	0.94
10	Blue	0.86
5	Pink	0.71
1	Cyan	0.55

Table S2. Area Under MURI NDMI Band 1 and 2 ROC Curves (Figures 7)

Concentration PPM #	Line Color	Area
20	Black	0.86
15	Red	0.8
10	Blue	0.72
5	Pink	0.62
1	Cyan	0.52

Table S3. Area Under MURI NDMI Band 1 and Band 6 ROC Curves (Figure 8)

Concentration PPM #	Line Color	Area
20	Black	0.98
15	Red	0.95
10	Blue	0.89
5	Pink	0.74
1	Cyan	0.55