

	Trajectory	Horizontal distance between UAV and tower	50–70 m		0–20 m
			ΔCO_2 [ppm]	ΔCH_4 [ppb]	ΔCH_4 [ppb]
Flight no. 1	Ascending	44 m	12.869 ± 4.446	40.1 ± 28.8	19.5 ± 29.2
	Descending		6.162 ± 3.969	-13.2 ± 33.7	57.7 ± 48.9
Flight no. 2	Ascending	43 m	-7.930 ± 7.544	-75.4 ± 79.4	-46.8 ± 12.4
	Mid-point		-5.826 ± 3.896	-87.1 ± 63.0	–
	Descending		-0.076 ± 9.559	-10.5 ± 30.3	-37.3 ± 35.1
Flight no. 3	Ascending	45 m	-0.223 ± 1.565	-20.0 ± 25.6	-1.4 ± 45.6
	Descending		0.146 ± 2.761	13.6 ± 19.3	-20.0 ± 5.9