

Tabelle 1: Flight measurement results of individual crossings for the power plant on 23 May 2018, following the nomenclature of Eq. (3).

Crossing			Measurement						
Local time	Flight track (in km)	Distance (in km)	$A$ (in m)	$\overline{\Delta\sigma}$ (in m)	$q$ (in $1 \times 10^{-27} \text{ m}^2$ )	Mean $q$ (in $\text{kg (CO}_2\text{)}/\text{s}$ )	Mean $u$ (in m/s)	Mean $\phi$ (in $^\circ$ )	
10:50	200	1.46	$15.36 \pm 0.04$	$7.27 \pm 0.04$	$760 \pm 60$	}	$650 \pm 240$	$5.06 \pm 0.36$	$103.34 \pm 6.40$
10:57	268	4.77	$9.04 \pm 0.42$	$7.47 \pm 0.24$	$470 \pm 40$				
11:10	388	1.67	$19.29 \pm 0.46$	$7.27 \pm 0.04$	$950 \pm 80$				
11:27	536	1.78	$8.45 \pm 1.11$	$7.27 \pm 0.04$	$420 \pm 40$				

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123 m/s  
123  $\frac{\text{m}}{\text{s}}$