

Uncertainty type and source	Olympic Park	Mt. Taehwa
Statistical noise [%]:		
Instrumental and atmospheric	$6 \pm 3$	$6 \pm 4$
Systematic [%]:		
Choice of fitting DOAS scenario	$\pm 10$	$\pm 10$
Laboratory-measured cross sections:		
HCHO	$\pm 9$	$\pm 9$
Other ( $\text{O}_3$ , $\text{NO}_2$ , BrO)	$\pm 14$	$\pm 14$
SCD <sub>REF</sub> [%]:	$17 \pm 4$	$14 \pm 5$
AMF <sub>DS</sub> at SZA < 80° [%]:	< 0.5	< 0.5
Overall uncertainty [%]	$\pm 6$ (stat) $\pm 26$ (sys)	$\pm 6$ (stat) $\pm 24$ (sys)