

Sources of errors	Value	Negative bias on $P(O_x)$		Positive bias on $P(O_x)$	
		average	(upper limit)	average	(upper limit)
Residence time (s)	271 ± 13^a	-4.9 % ^a	(-4.9 % ^a)	+4.9 % ^a	(+4.9 % ^a)
O ₃ production in reference FT and latency in ambient FT		-18 % ^b	(-20 % ^b)		-
O ₃ loss	5 % ^a	-10 % ^b	(-25 % ^b)		-
NO ₂ loss	<3 % ^a		-	5 % ^b	(+11 % ^b)
HONO production	up to 20 ppbv h ⁻¹ ^a		-	+27 % ^b	(+40 % ^b)
Dilution of sampled air	10 % ^a	-8 % ^b	(-9 % ^b)		-
Temperature increase in reference FT	5 % ^c	-3 % ^b	(-5 % ^b)		-
O _x formation from OH + NO _z	-		-	+3 % ^b	(+3 % ^b)
Conservative sum of biases		-44 %	(-64 %)	+40 %	(+59 %)

^a From laboratory testing; ^b from model simulations; ^c from estimation.