

320	O₃S	Sulfur trioxide	D_{3h}
IR, Ra			SO ₃

Isotopic species	$r_0(\text{S=O}) [\text{\AA}]^a$	Reference
³² S ¹⁶ O ₃	1.4198199(1)	[1]
³⁴ S ¹⁶ O ₃	1.4197938(6)	[1]
³² S ¹⁸ O ₃	1.4197278(8)	[1]
³⁴ S ¹⁸ O ₃	1.4196993(8)	[1]

Isotopic species	$r_e(\text{S=O}) [\text{\AA}]^a$	Reference
³² S ¹⁶ O ₃	1.41734027(130)	[2]
³⁴ S ¹⁶ O ₃	1.41734704(677)	[3]
³² S ¹⁸ O ₃	1.4173332(40)	[4]
³⁴ S ¹⁸ O ₃	1.4173392(27)	[5]

^a) Twice the estimated standard errors.

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Replaces [II/25A\(2, 860\)](#), IR