


## Structure Data of Free Polyatomic Molecules

120 MW	CIF5		Sulfur chloride fluoride		$C_s$ 
	$r_0$	Å <sup>a)</sup>	$\theta_0$	deg <sup>a)</sup>	
	S-F	1.61032(82)	Cl-S-F	100.740(32)	
	S-Cl	1.99439(81)			
	$r_s$	Å <sup>a)</sup>	$\theta_s$	deg <sup>a)</sup>	
	S-F	1.60653(162)	Cl-S-F	100.732(81)	
	S-Cl	1.99437(65)			
	$r_z$	Å <sup>a)</sup>	$\theta_z$	deg <sup>a)</sup>	
	S-F	1.60998(44)	Cl-S-F	100.661(16)	
	S-Cl	1.9989(15)			
	$r_e$ <sup>b)</sup>	Å <sup>c)</sup>	$\theta_e$ <sup>b)</sup>	deg <sup>c)</sup>	
	S-F	1.60604(50)	Cl-S-F	100.661(20)	
	S-Cl	1.99401(150)			

<sup>a)</sup> Estimated standard errors.

<sup>b)</sup> Estimated from  $r_z$ .

<sup>c)</sup> Uncertainties were not estimated in the original paper.

Preusser, J., Gerry, M.C.L.: J. Chem. Phys. **106** (1997) 10037.