

The band oscillator strengths, f , of the Scumann-Runge bands of $^{16}\text{O}_2$, $^{16}\text{O}^{18}\text{O}$ and $^{18}\text{O}_2$.

Band	$(v,0)$ band				$(v,1)$ band	
	$10^5 f$				$10^4 f$	
	$^{16}\text{O}_2$		$^{16}\text{O}^{18}\text{O}$	$^{18}\text{O}_2$	$^{16}\text{O}_2$	
	295K	79K	79K	79K	Band	295K
(0,0)	0.000026					
(1,0)	0.000290					
(2,0)	0.00181	0.00190		0.000586	(2,1)	0.0039
(3,0)	0.00830	0.00836	0.00567	0.00286	(3,1)	0.0156
(4,0)	0.0277	0.0271	0.0179	0.0101	(4,1)	0.0450
(5,0)	0.0729	0.0739	0.0509	0.0285	(5,1)	0.122
(6,0)	0.160	0.163	0.119	0.0682	(6,1)	0.235
(7,0)	0.337	0.336	0.255	0.151	(7,1)	0.443
(8,0)	0.611	0.592	0.469	0.279	(8,1)	0.731
(9,0)	0.932	0.906	0.756	0.461	(9,1)	1.17
(10,0)	1.36	1.39	1.17	0.747	(10,1)	1.57
(11,0)	2.00	1.91	1.63	1.04	(11,1)	2.05
(12,0)	2.38	2.24			(12,1)	2.32
(13,0)	2.62			1.66		
(14,0)	2.79			1.90		
(15,0)	2.66					
(16,0)	2.40					
(17,0)	2.12					

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