



Nitrogen trifluoride

ID: 55

Line lists details:

The line list is part of HITRAN2020 (I.E. Gordon, et al. (2021), *JQSRT*, submitted).

Details	
Isotopologues:	¹⁴ N ¹⁹ F ₃
Total number of lines:	2 717 795
Wavenumber range:	2.850 – 2200.173 cm ⁻¹
Intensity range:	1.000×10 ⁻²⁵ – 1.958×10 ⁻²⁰ cm/molecule
First included in HITRAN:	HITRAN2020
Following updates:	N/A

Reference codes:

Parameter	Reference number	Source
ν	1	O. Egorov, et al. (2019), <i>JQSRT</i> 239 , 106668 [LINK]
S	1	O. Egorov, et al. (2019), <i>JQSRT</i> 239 , 106668 [LINK]
γ_{air}	1	I.E. Gordon, et al. (2021), <i>JQSRT</i> , submitted
γ_{self}	1	I.E. Gordon, et al. (2021), <i>JQSRT</i> , submitted
n_{air}	1	I.E. Gordon, et al. (2021), <i>JQSRT</i> , submitted
δ_{air}	0	N/A