

Wavenum. (cm ⁻¹)	λ @ 15°C (Å)	λ @ 21°C (Å)	σ_{\max} (10 ⁻²⁵ cm ² /molecule)	S (10 ⁻²⁷ cm/molecule)	$\gamma_{\text{self}}^{\text{FWHM}}$ (MHz/Torr)	δ_{self} (MHz/Torr)	$\gamma_{\text{air}}^{\text{FWHM}}$ (MHz/Torr)	δ_{air} (MHz/Torr)
11545.28	8659.17	8659.22						
11545.39	8659.09	8659.14						
11545.55	8658.97	8659.02	2.5 ± 0.5					
11545.80	8658.78	8658.83						
11546.00	8658.63	8658.68						
11546.17	8658.50	8658.55						
11546.37	8658.35	8658.40	5.8 ± 0.2					
11554.85	8652.00	8652.05	4.0 ± 0.2	24 ± 2	34 ± 1			
11555.08	8651.83	8651.87	3.2 ± 0.2					
11564.73	8644.61	8644.66	2.6 ± 0.2					
11564.25	8644.96	8645.01	6.2 ± 0.4	29 ± 2	22.7 ± 0.5	-1.3 ± 0.2	12 ± 1	1.0 ± 0.8
11571.88	8639.26	8639.31	2.6 ± 0.2					
11581.24	8632.28	8632.33	1.7 ± 0.3					
11583.56	8630.55	8630.60	3.2 ± 0.2	12.6 ± 0.8	11 ± 2			
11583.81	8630.37	8630.42	1.7 ± 0.2					
11587.25	8627.81	8627.85	1.8 ± 0.2					
11587.38	8627.71	8627.76	1.2 ± 0.2					
11587.52	8627.60	8627.65	0.9 ± 0.2					
11587.63	8627.52	8627.57	2.5 ± 0.2					
11588.27	8627.05	8627.09						
11588.34	8626.99	8627.04	0.3 ± 0.1					
11558.45	8626.91	8626.96						
11588.93	8626.55	8626.60	2.7 ± 0.2	10.0 ± 0.8	18 ± 1			
11597.28	8620.34	8620.39						
11597.41	8620.25	8620.29	1.3 ± 0.2					
11597.51	8620.17	8620.22						
11597.61	8620.10	8620.15						
11610.69	8610.39	8610.44	1.4 ± 0.2					
11635.25	8592.21	8592.26						
11635.40	8592.10	8592.15	0.9 ± 0.2					
11635.88	8591.75	8591.79						
11636.00	8591.66	8591.71						
11636.17	8591.53	8591.58	0.5 ± 0.2					
11636.30	8591.44	8591.49						
11636.56	8591.25	8591.29						
11636.83	8591.05	8591.09						
11637.04	8590.89	8590.94						
11637.16	8590.80	8590.85	0.3 ± 0.1					
11637.26	8590.73	8590.78						
11637.36	8590.65	8590.70						
11637.57	8590.50	8590.55						
11637.66	8590.43	8590.48	0.8 ± 0.2					
11637.76	8590.36	8590.41						
11638.47	8589.84	8589.88						
11638.61	8589.73	8589.78	1.4 ± 0.3					
11646.32	8584.04	8584.09	0.4 ± 0.2					
11647.37	8583.27	8583.32	1.2 ± 0.2					
11652.94	8579.17	8579.22						
11653.03	8579.10	8579.15						

11653.15	8579.01	8579.06					
11653.28	8578.92	8578.97					
11653.39	8578.84	8578.89					
11653.50	8578.76	8578.80	0.4 ± 0.1				
11653.63	8578.66	8578.71					
11653.68	8578.62	8578.67					
11653.80	8578.54	8578.58					
11653.88	8578.48	8578.52					
11654.03	8578.37	8578.41	0.2 ± 0.1				
11654.54	8577.99	8578.04					
11654.64	8577.92	8577.96	0.3 ± 0.1				
11655.02	8577.64	8577.69	0.7 ± 0.2				
11655.57	8577.23	8577.28	0.7 ± 0.1				
11663.71	8571.25	8571.29	0.5 ± 0.1				
11664.42	8570.72	8570.77	0.8 ± 0.2				
11664.64	8570.56	8570.61					
11666.52	8569.18	8569.23					
11666.58	8569.14	8569.12	0.6 ± 0.2				
11674.23	8563.52	8563.57	1.2 ± 0.3				
11677.00	8561.49	8561.54	4.9 ± 0.2	19.0 ± 0.8	9 ± 1		6 ± 1
11683.92	8556.42	8556.47	0.3 ± 0.1				
11692.81	8549.95	8549.96	0.3 ± 0.1				
11694.26	8548.86	8548.90					
11694.34	8548.80	8548.84					
11694.60	8548.61	8548.65	0.6 ± 0.1				
11694.79	8548.47	8548.52					
11694.89	8548.39	8548.44	0.4 ± 0.1				
11711.17	8536.51	8536.56	0.3 ± 0.1				
11711.82	8536.04	8536.09					
11713.09	8535.11	8535.16					
11713.22	8535.02	8535.07					
11713.36	8534.92	8534.96					
11713.74	8534.64	8534.69					
11713.98	8534.46	8534.51					
11714.82	8533.85	8533.90	0.5 ± 0.1				
11714.93	8533.77	8533.82					
11722.03	8528.60	8528.65					
11722.19	8528.49	8528.53					
11722.31	8528.40	8528.45	0.7 ± 0.1				
11722.41	8528.33	8528.37					
11731.56	8521.67	8521.72	0.6 ± 0.2				
11732.96	8520.66	8520.71	0.3 ± 0.1				
11733.07	8520.58	8520.63					
11733.20	8520.48	8520.53					
11740.72	8515.03	8515.07					
11740.86	8514.92	8514.97	1.5 ± 0.2				
11741.07	8514.77	8514.82					
11741.33	8514.58	8514.63					
11741.49	8514.47	8514.52	0.3 ± 0.1				
11748.30	8509.53	8509.58	0.8 ± 0.2				
11748.93	8509.08	8509.12	0.5 ± 0.2				

11749.04	8509.00	8509.04					
11749.24	8508.85	8508.90					
11749.37	8508.76	8508.80					
11749.65	8508.55	8508.60	0.4 ± 0.1				
11758.32	8502.28	8502.33	0.5 ± 0.1				
11759.64	8501.33	8501.37	0.2 ± 0.1				
11759.73	8501.26	8501.31					
11759.82	8501.20	8501.24					
11759.89	8501.15	8501.19					
11761.36	8500.08	8500.13					
11761.47	8500.00	8500.05					
11761.56	8499.94	8499.99					
11761.76	8499.79	8499.84	0.7 ± 0.1				
11762.12	8499.53	8499.58	0.2 ± 0.1				
11762.24	8499.45	8499.49					
11762.34	8499.37	8499.42					
11762.47	8499.28	8499.33					
11762.58	8499.20	8499.25					
11767.83	8495.41	8495.46	0.2 ± 0.1				
11767.86	8495.39	8495.44	0.3 ± 0.1				
11768.92	8494.62	8494.67					
11769.02	8494.55	9494.60					
11769.16	8494.45	8494.50					
11769.28	8494.36	8494.41					
11769.38	8494.29	8494.34					
11769.52	8494.19	8494.24	0.2 ± 0.2				
11770.07	8493.79	8493.84	0.6 ± 0.1				
11770.26	8493.66	8493.70					
11770.46	8493.51	8493.56	0.5 ± 0.2				
11770.69	8493.34	8493.39					
11770.82	8493.25	8493.30					
11770.91	8493.19	8493.23					
11771.10	8493.05	8493.10					
11771.59	8492.70	8492.74	0.6 ± 0.2				
11772.05	8492.36	8492.41					
11772.15	8492.29	8492.34					
11772.27	8492.21	8492.25	0.4 ± 0.2				
11772.58	8491.98	8492.03	0.8 ± 0.2				
11773.10	8491.61	8491.65					
11773.22	8491.52	8491.57					
11773.54	8491.29	8491.34					
11773.76	8491.13	8491.18	0.5 ± 0.2				
11777.84	8488.19	8488.24					
11777.92	8488.13	8488.18	0.2 ± 0.1				
11778.01	8488.07	8488.12					
11779.89	8486.71	8486.76	1.5 ± 0.2	6.5 ± 0.8	18 ± 3		
11795.51	8475.47	8475.52					
11797.29	8474.19	8474.24					
11800.37	8471.98	8472.03	1.0 ± 0.1	3.6 ± 0.3	12.2 ± 0.1		
<i>11804.88</i>	<i>8468.75</i>	<i>8468.79</i>					
11806.33	8467.71	8467.75	1.7 ± 0.5				

CH₃F absorption lines between 840 and 860 nm

see J. Quant. Spectrosc. Radiat. Transfer **130**, 352-358 (2013)

11829.55	8451.09	8451.13	1.6 ± 0.5					
11830.19	8450.63	8450.67	0.1 ± 0.1					
11834.78	8447.35	8447.40	0.1 ± 0.1					
11834.85	8447.30	8447.35						
11835.92	8446.54	8446.58						
11836.30	8446.27	8446.31	0.4 ± 0.1					