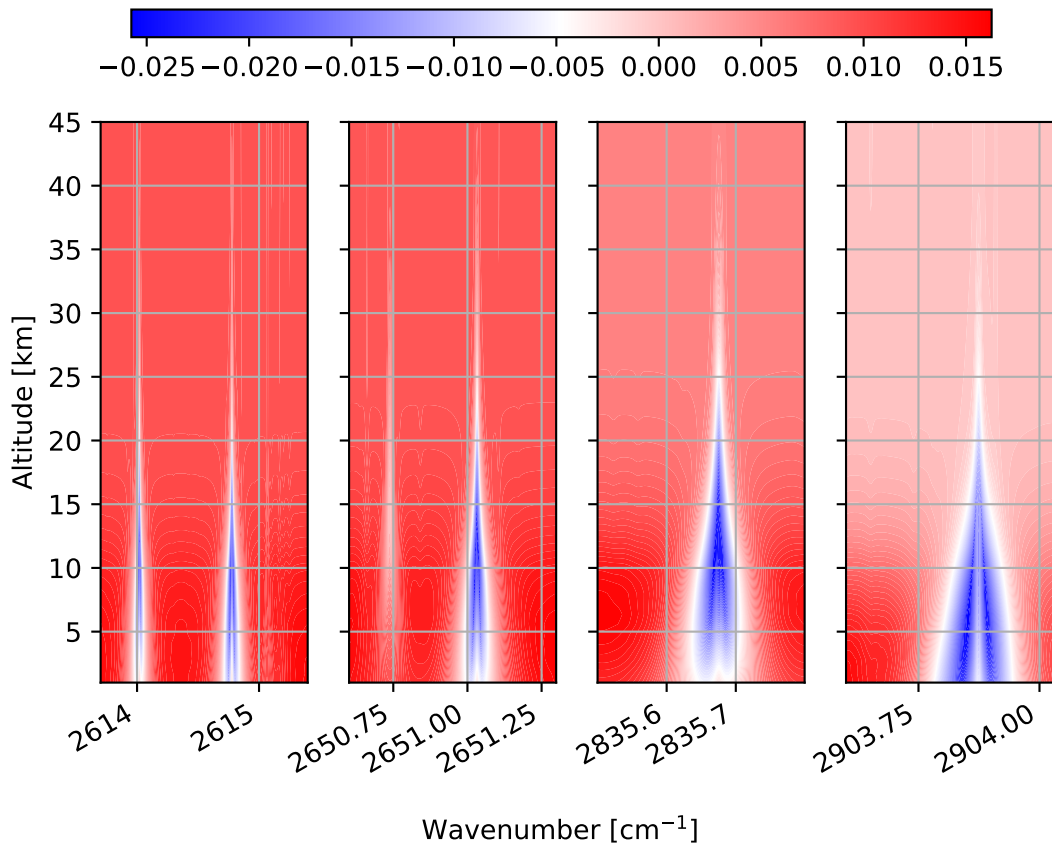
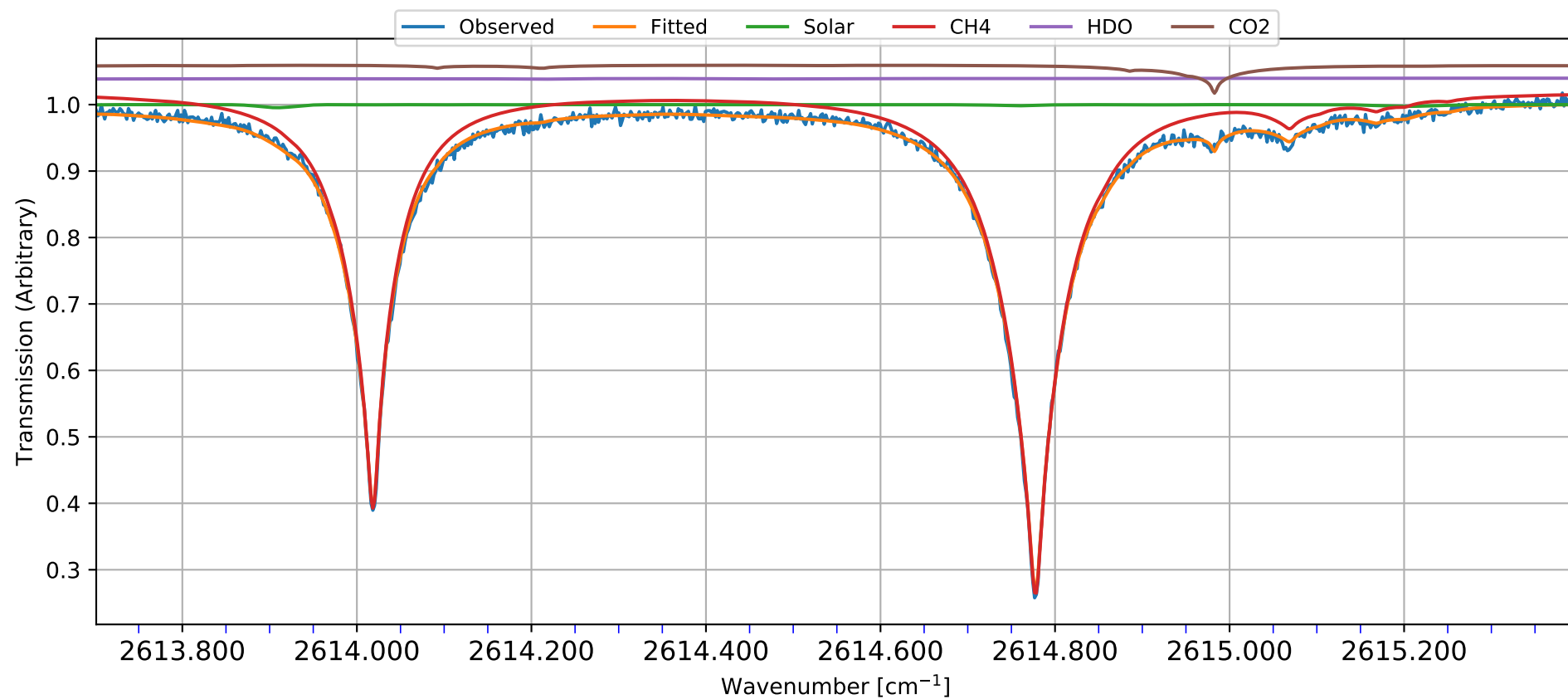
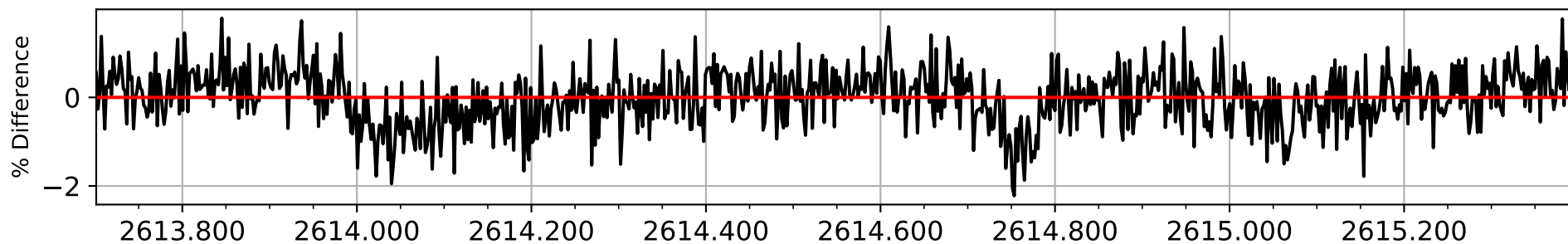


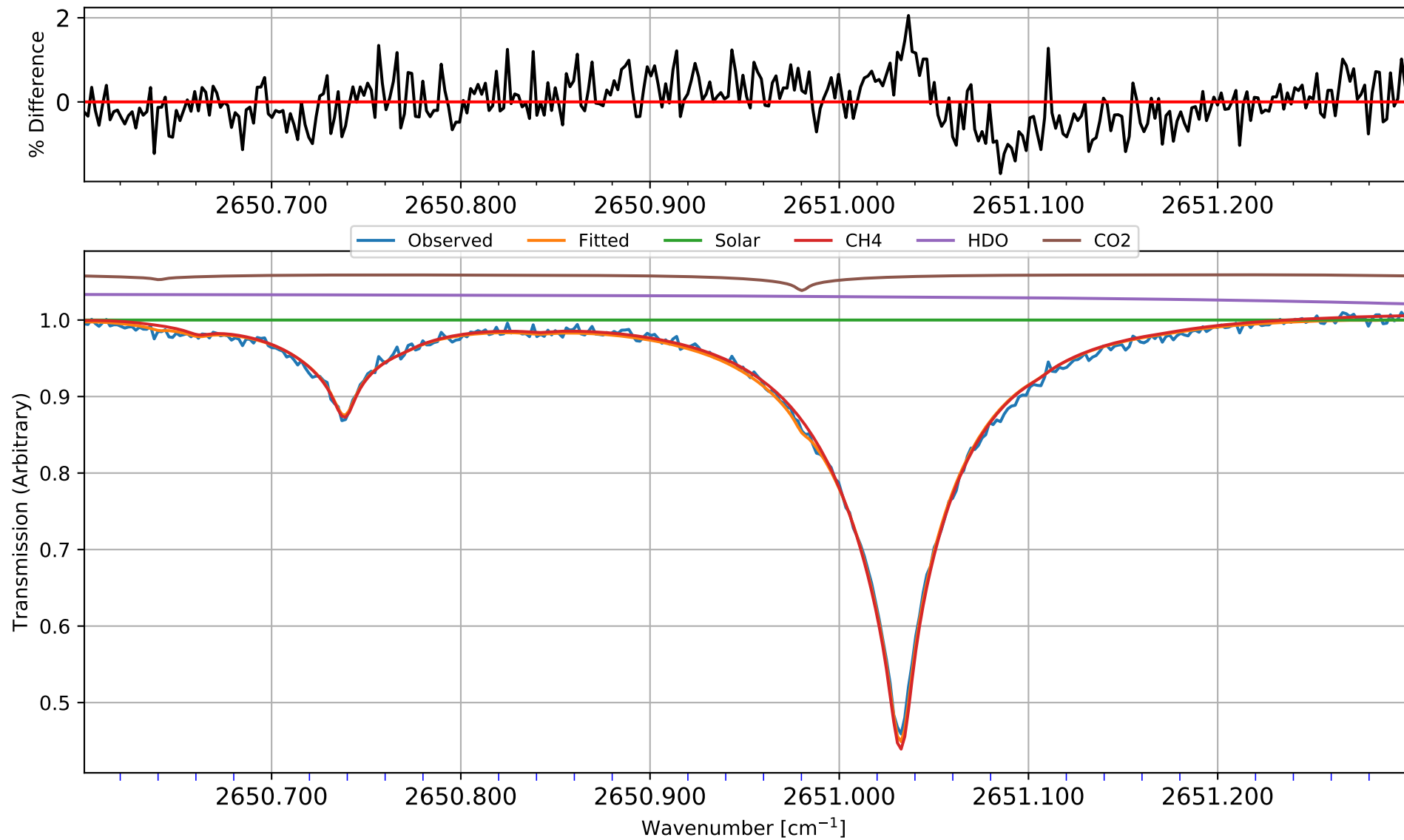
# Jacobian Matrix



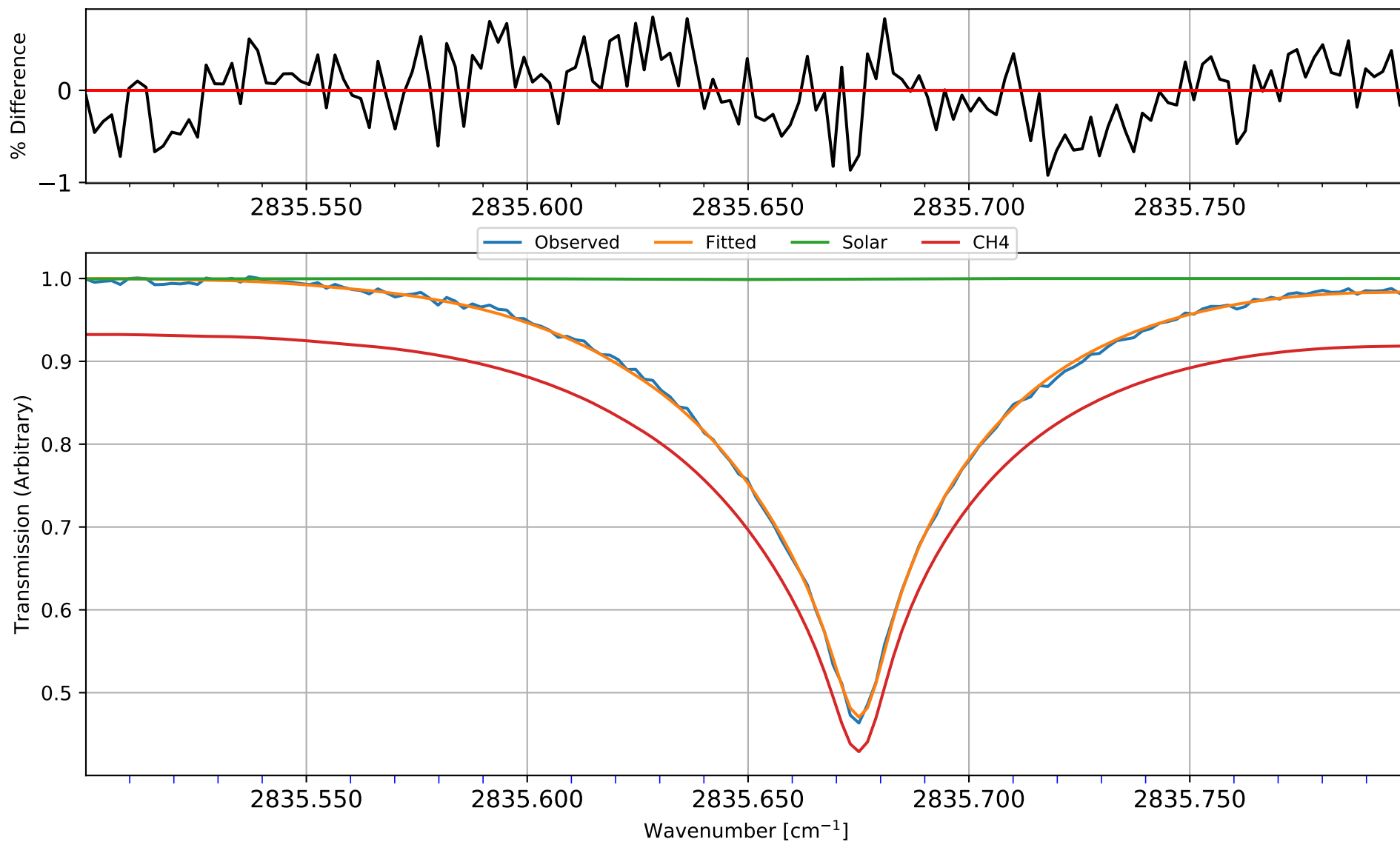
Micro-Window 1



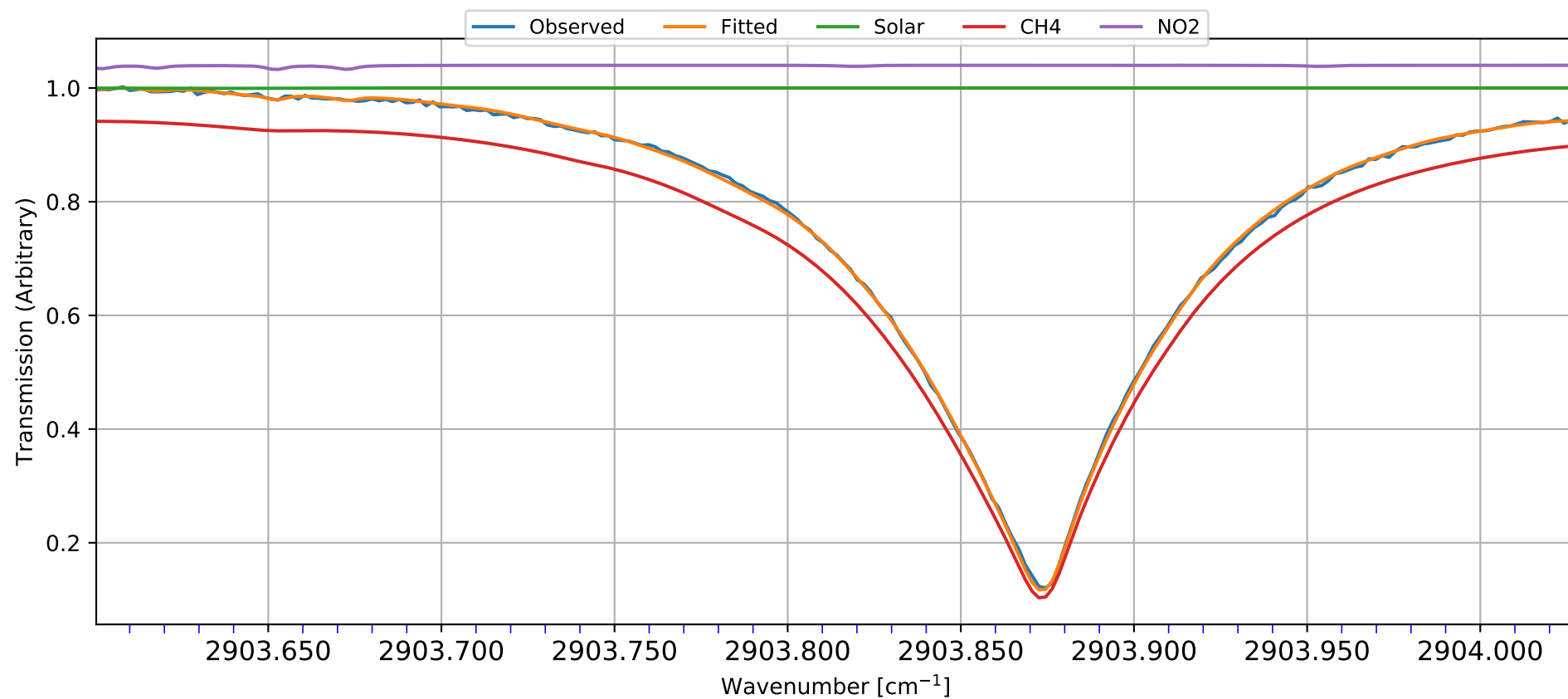
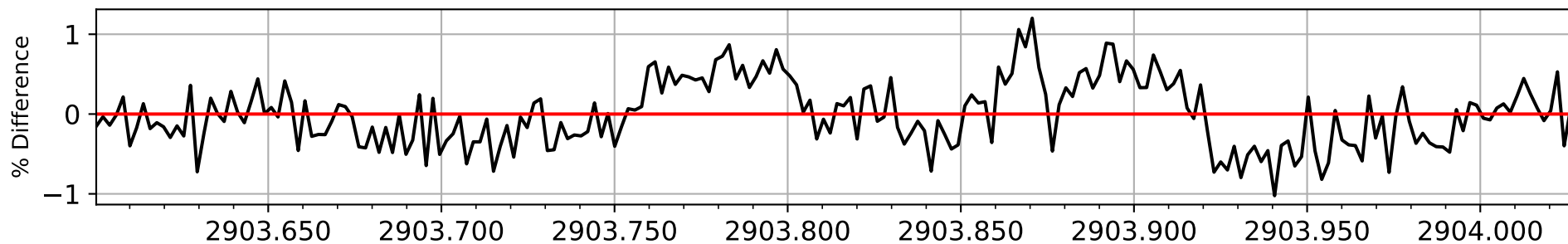
Micro-Window 2



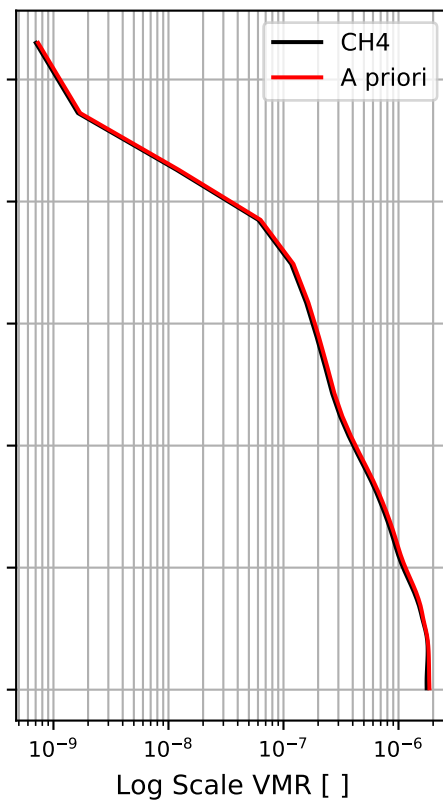
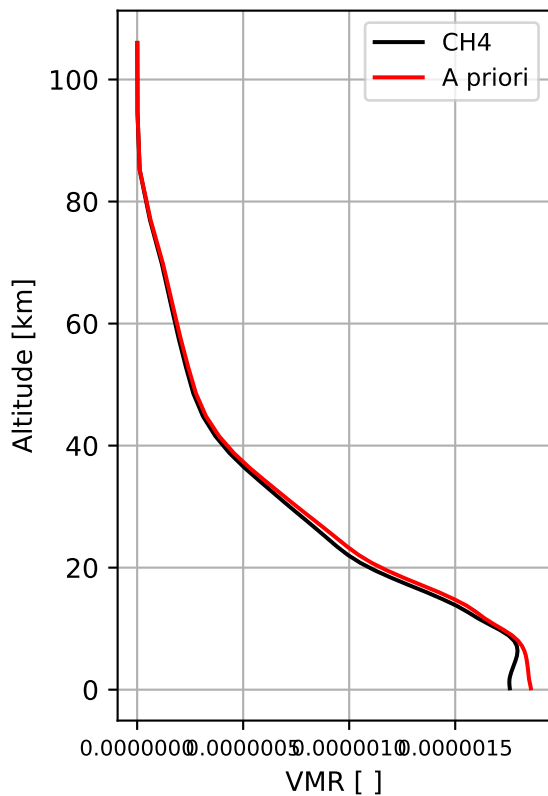
Micro-Window 3



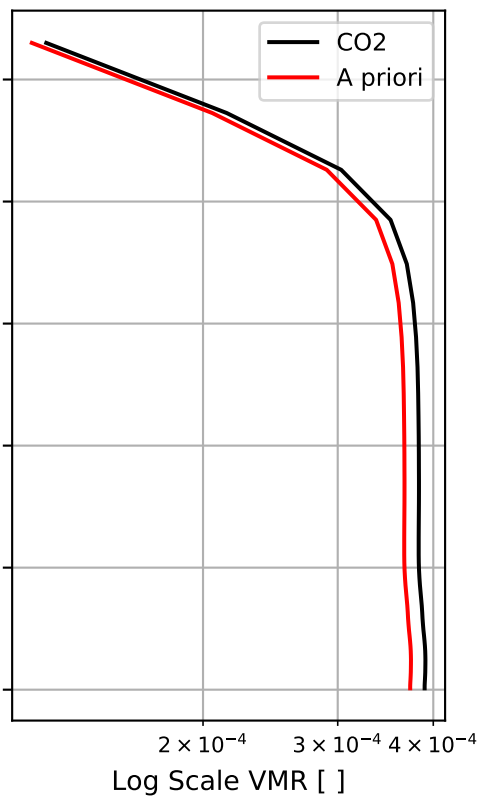
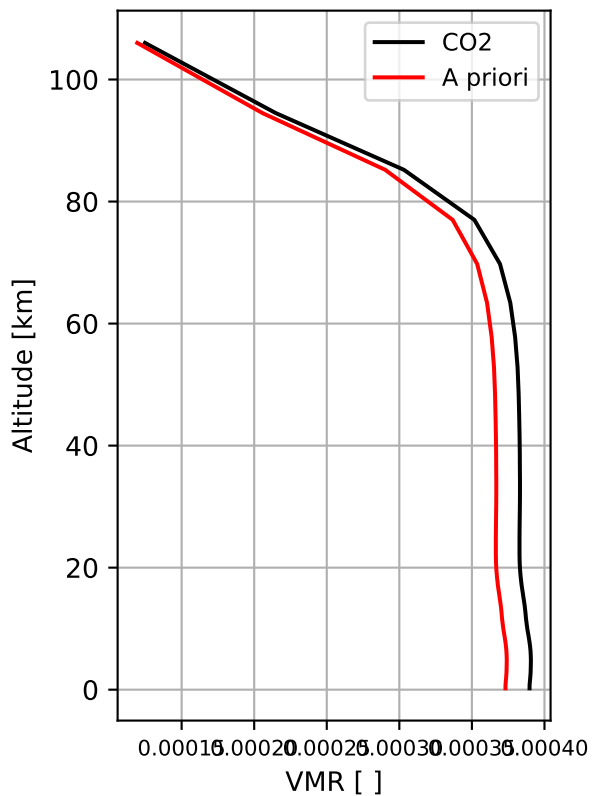
Micro-Window 4



# CH<sub>4</sub>

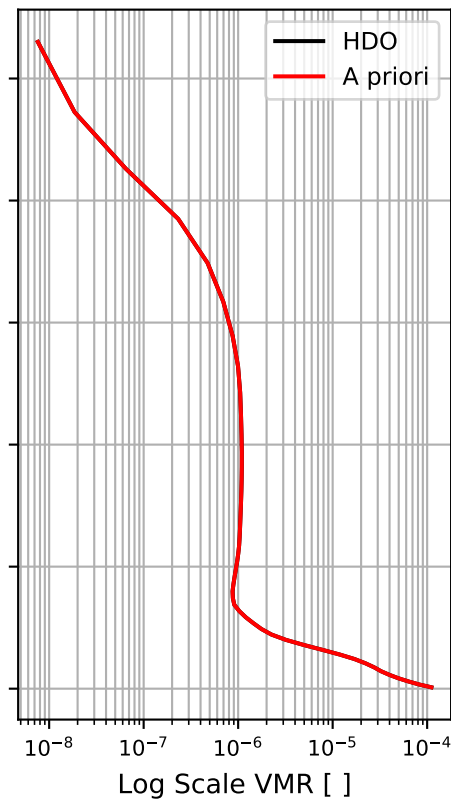
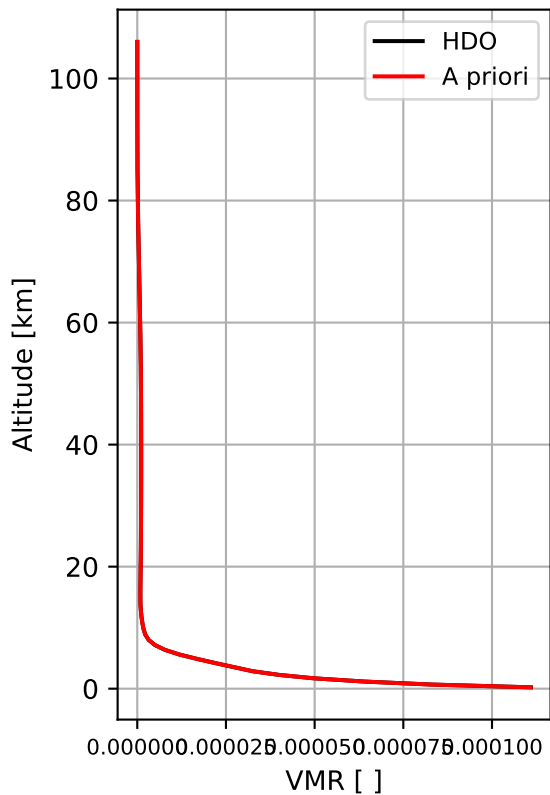


# CO2

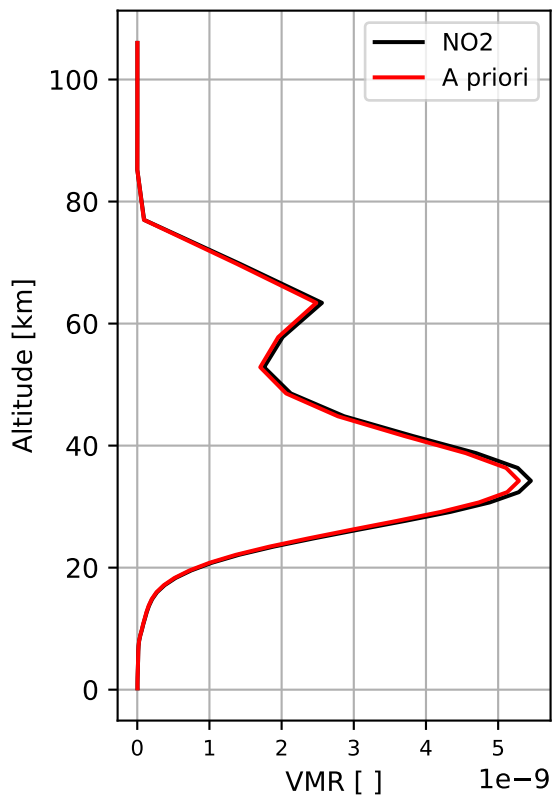


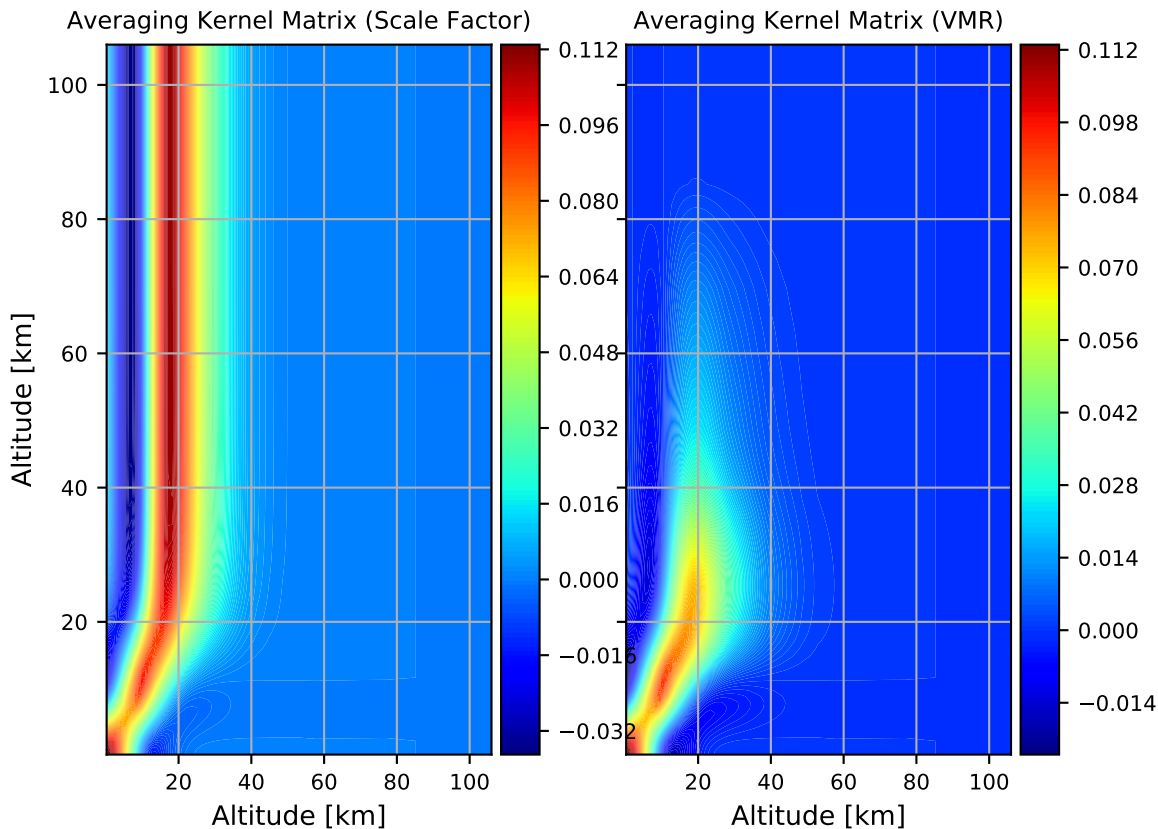


# HDO

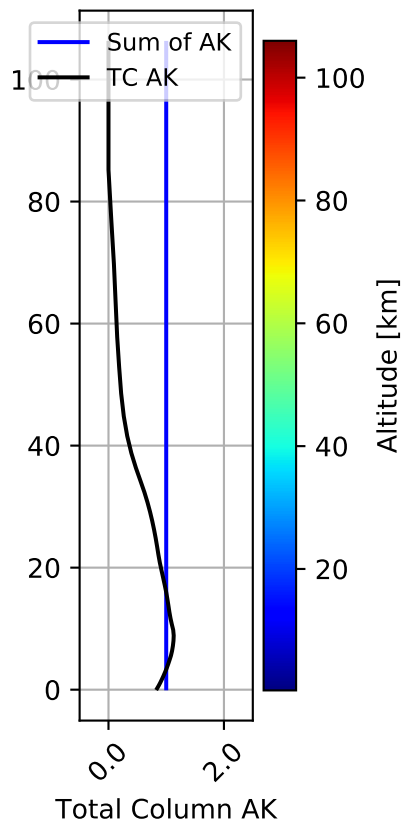
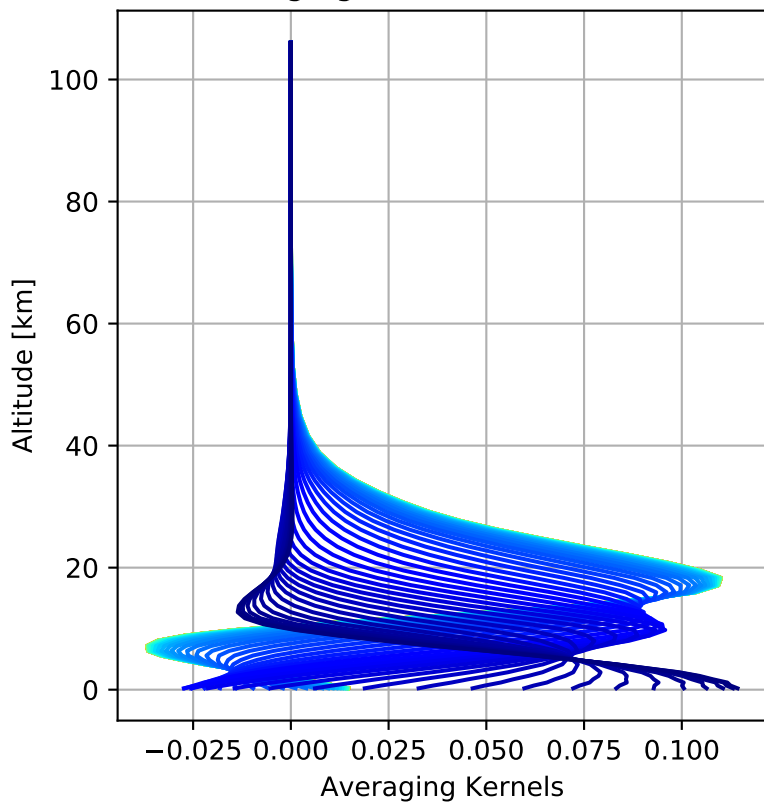


# NO2

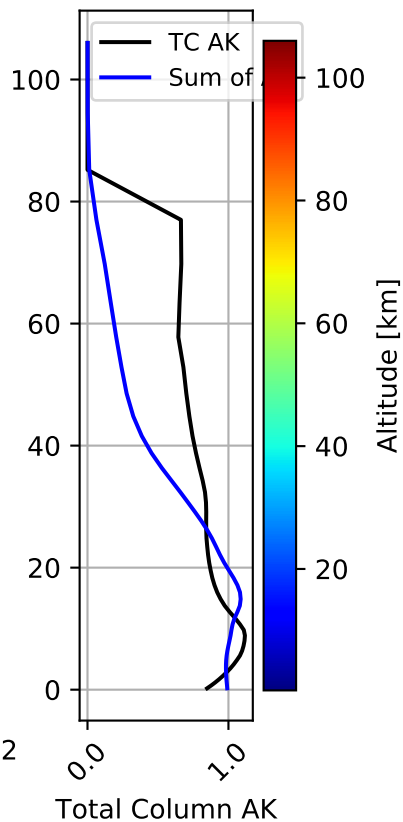
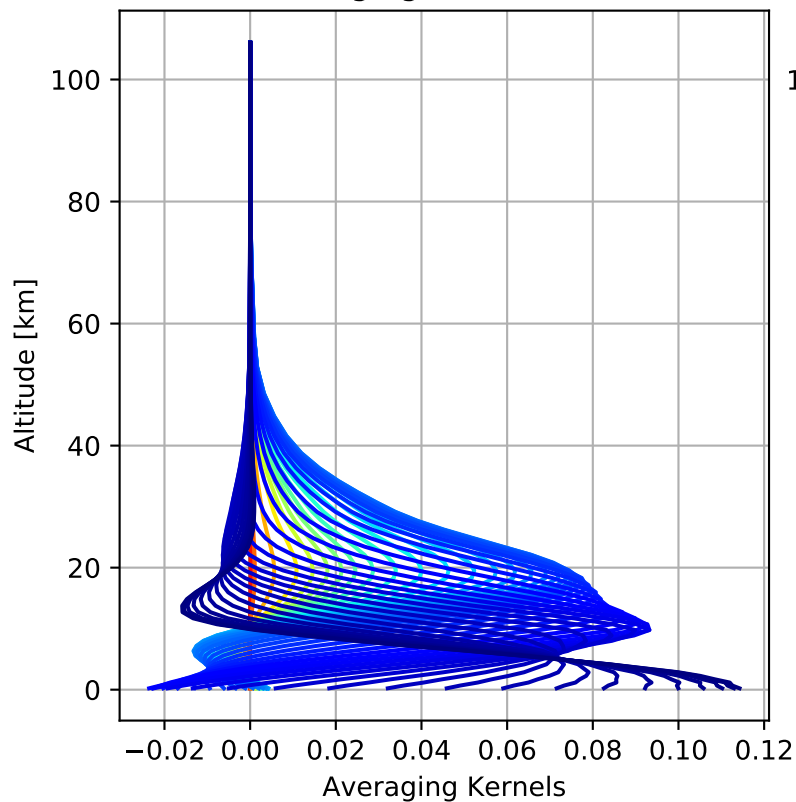




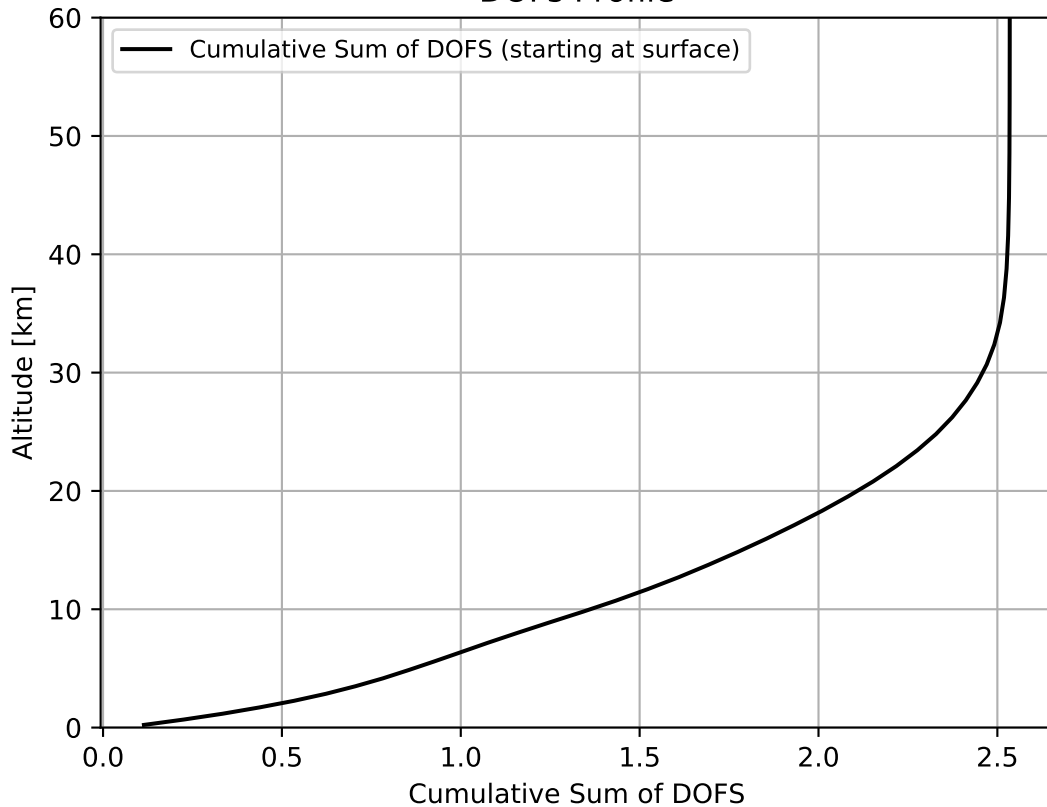
Averaging Kernels Scale Factor



## Averaging Kernels VMR



## DOFs Profile



SFIT4:v1.0.10 :Off-Release -- July 2020 RUNTIME:20201001-15:48:35 RETRIEVAL SUMMARY

4

03/07/2003 17:52:14UT Z:82.301 A:016.61 D:0101.7 R:0.0035 P:BX F:02.2727mr  
03/07/2003 17:52:14UT Z:82.301 A:016.61 D:0101.7 R:0.0035 P:BX F:02.2727mr  
03/07/2003 17:52:14UT Z:82.301 A:016.61 D:0101.7 R:0.0035 P:BX F:02.2727mr  
03/07/2003 17:52:14UT Z:82.301 A:016.61 D:0101.7 R:0.0035 P:BX F:02.2727mr

4

IRET	GAS_NAME	IFPRF	IFCELL	APR_COLUMN	RET_COLUMN
1	CH4	T	F	3.60428E+19	3.48224E+19
2	CO2	F	F	7.74839E+21	8.09297E+21
3	HDO	F	F	2.83326E+21	5.66972E+20
4	NO2	F	F	3.46490E+15	3.57362E+15

4

IBAND	NUSTART	NUSTOP	SPACE	NPTSB	PMAX	FOVDIA	MEAN_FIT_SNR	NSCAN	JSCAN	INIT_SNR	EFF
1	2613.70000	2615.40000	0.001944443	874	257.14	2.272700	144.171152	1			
						1	150.000	150.000	144.171		
2	2650.60000	2651.30000	0.001944443	360	257.14	2.272700	165.017840	1			
						1	163.080	163.080	165.018		
3	2835.50000	2835.80000	0.001944443	155	257.14	2.272700	235.897711	1			
						1	232.666	232.666	235.898		
4	2903.60000	2904.03000	0.001944443	221	257.14	2.272700	194.469898	1			
						1	232.666	232.666	194.470		
	FITRMS	CHI_2_Y	DOFS_ALL	DOFS_TRG	DOFS_TPR	ITER	MAX_ITER	CONVERGED	DIVWARN		
	0.629350	1.093388	11.541	2.535	0.000	3	30	T F			