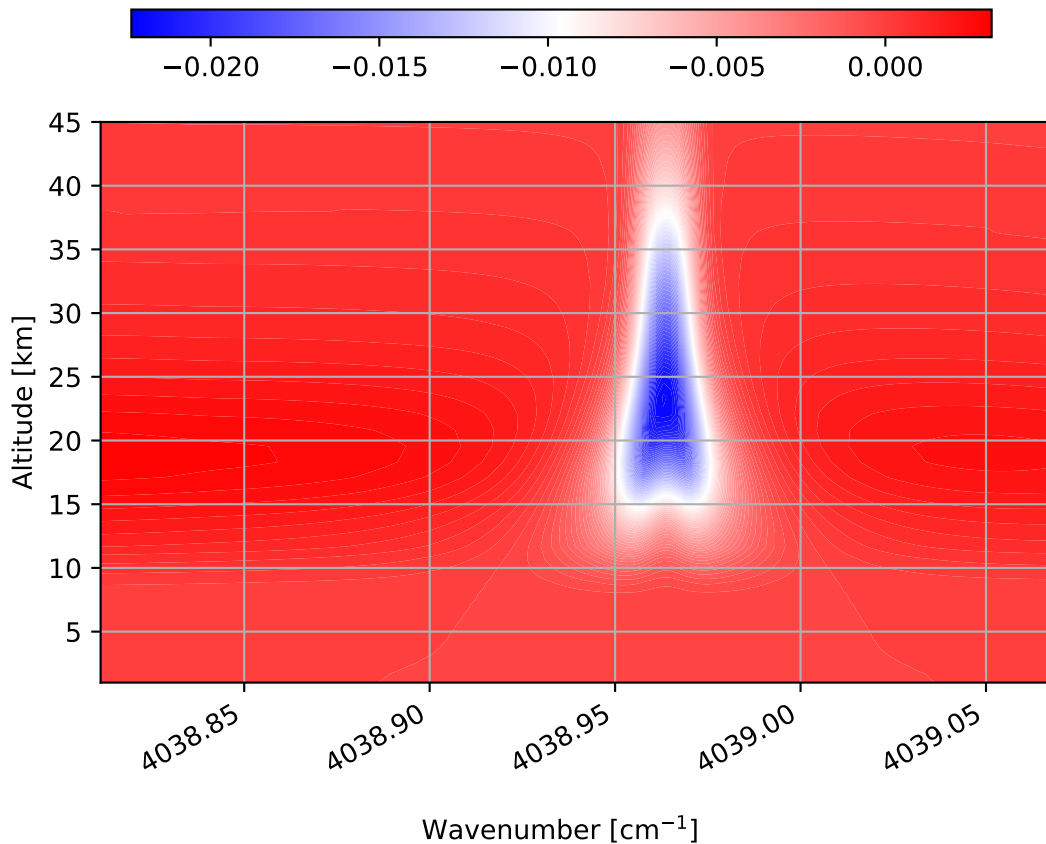
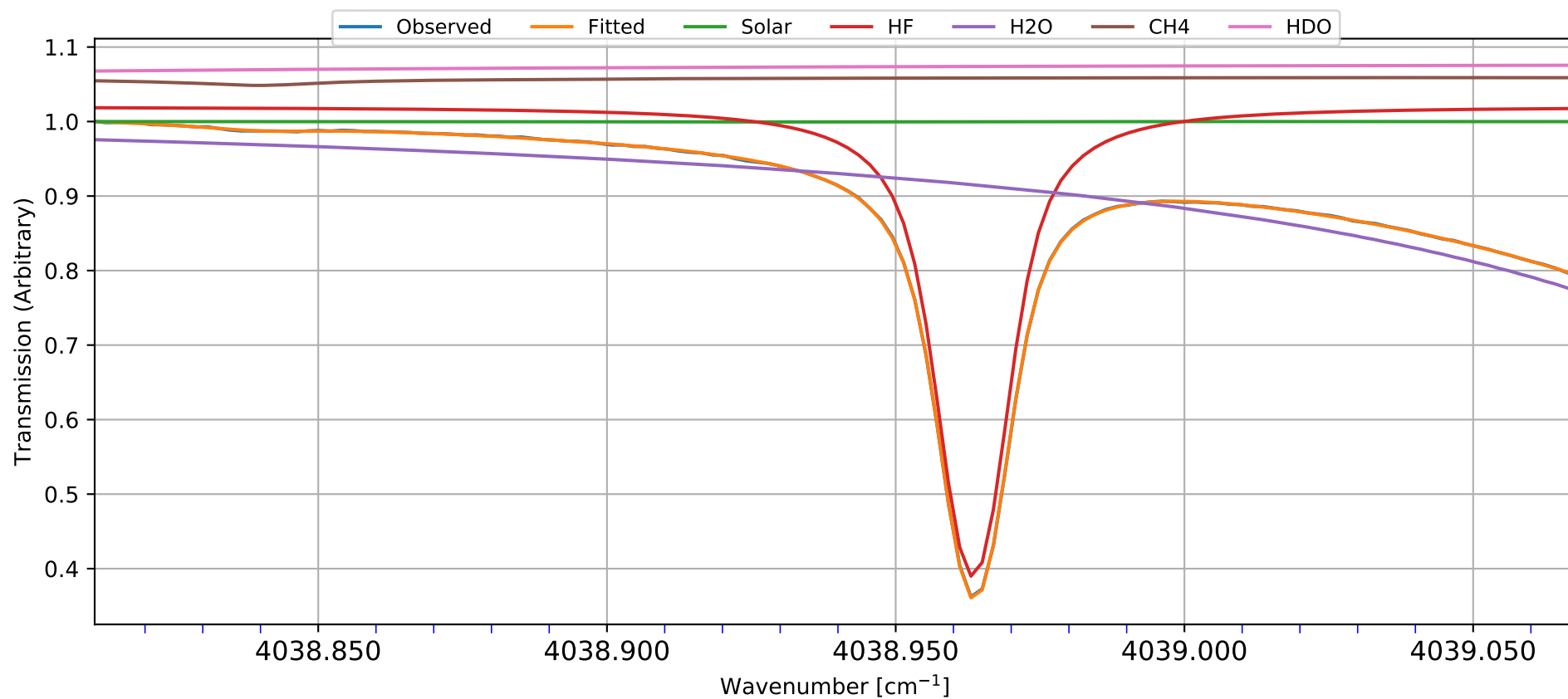
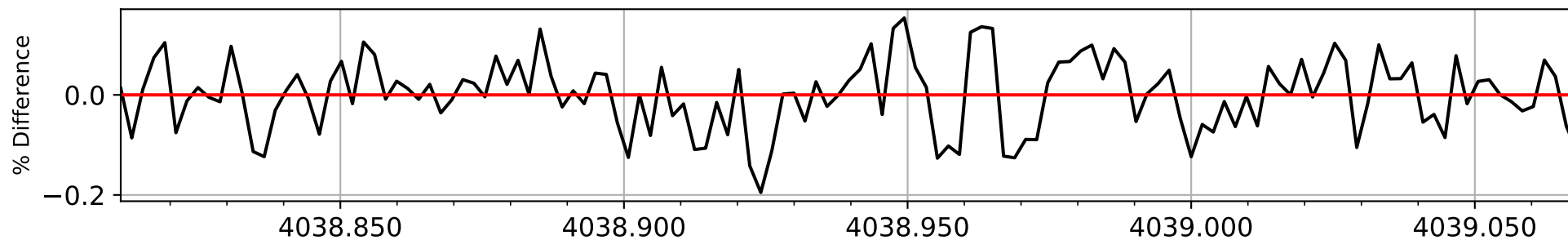


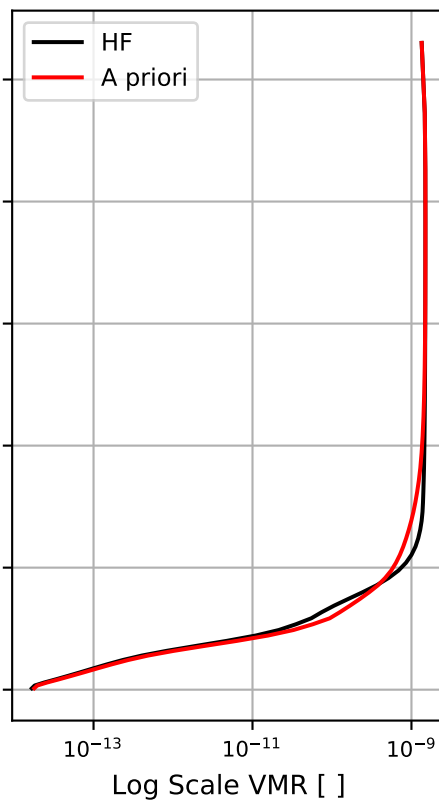
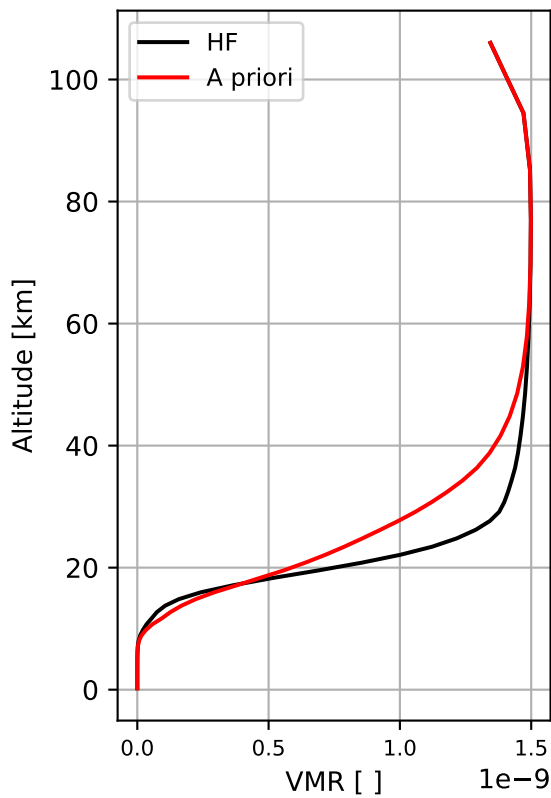
Jacobian Matrix



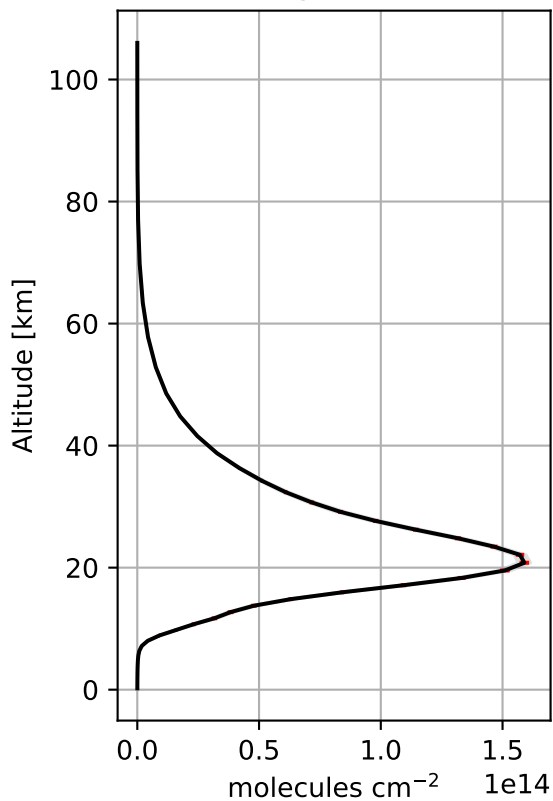
Micro-Window 1



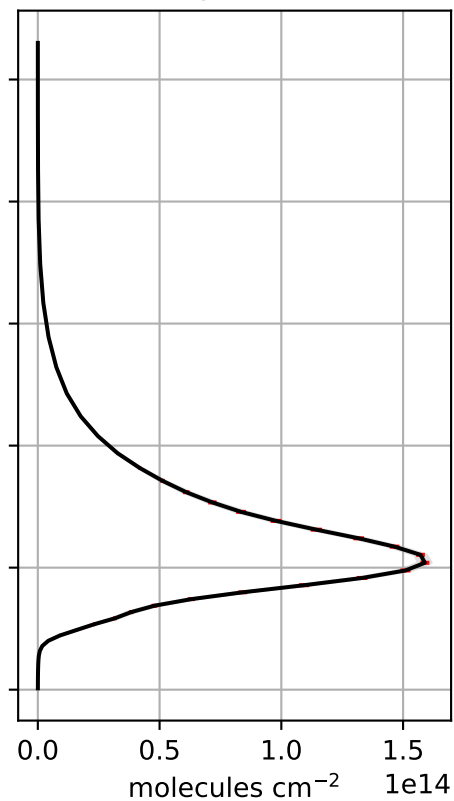
HF



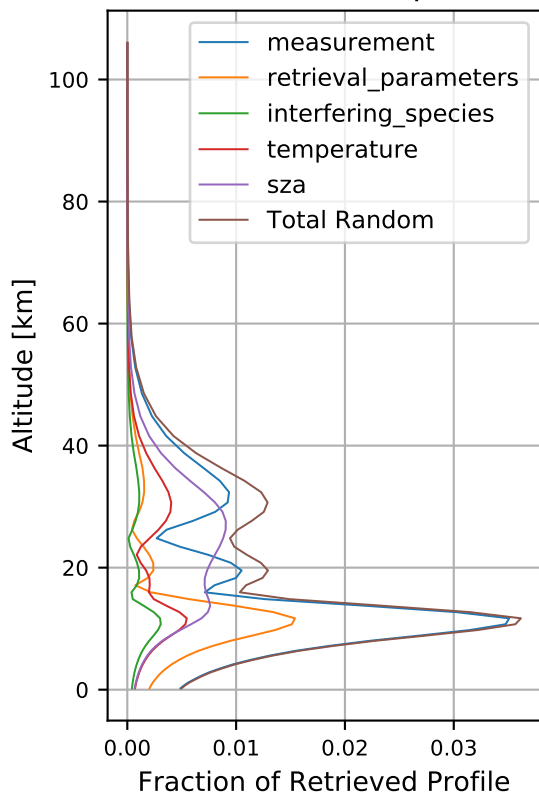
Errorbars = Random Error
Shaded Region = Total Error



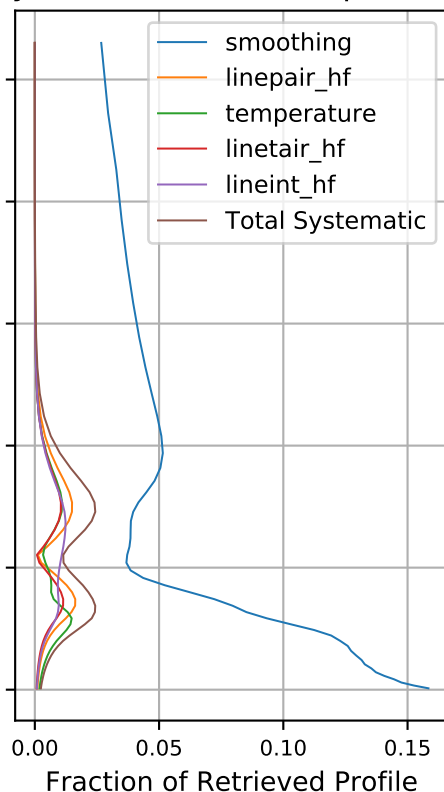
Errorbars = Systematic Error
Shaded Region = Total Error



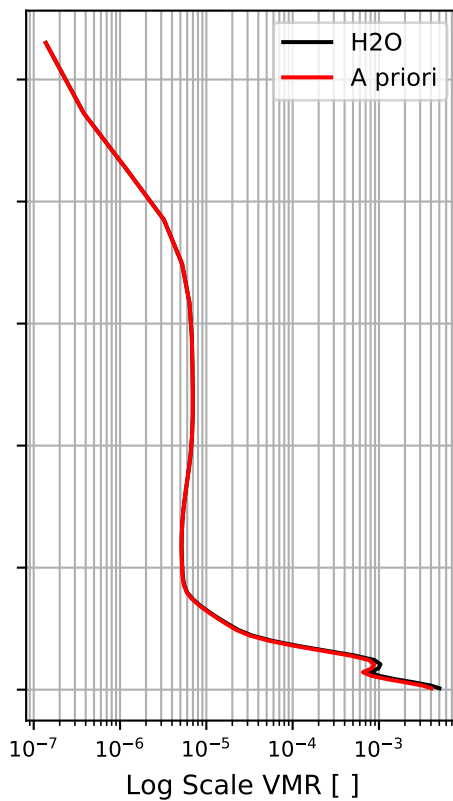
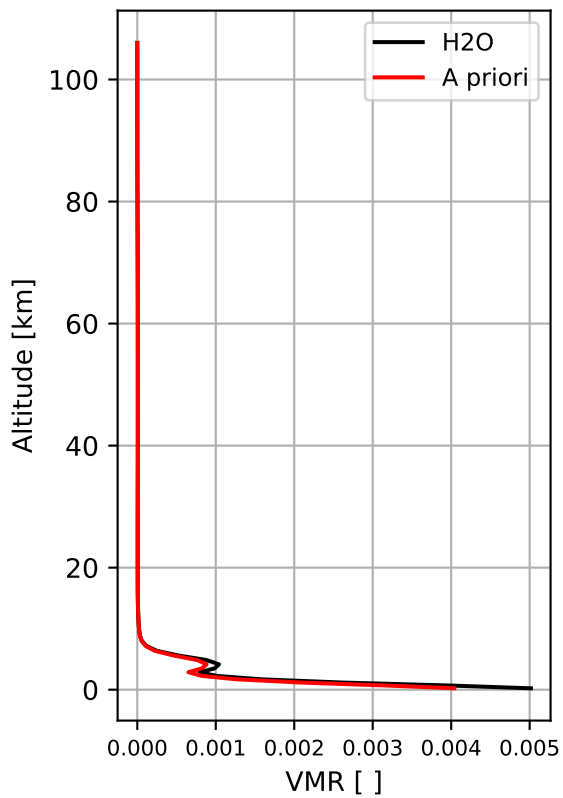
Random Error Components



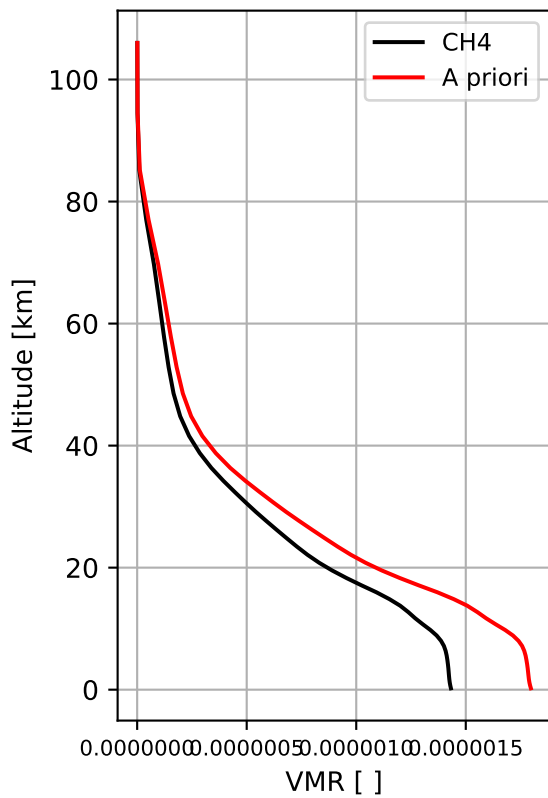
Systematic Error Components



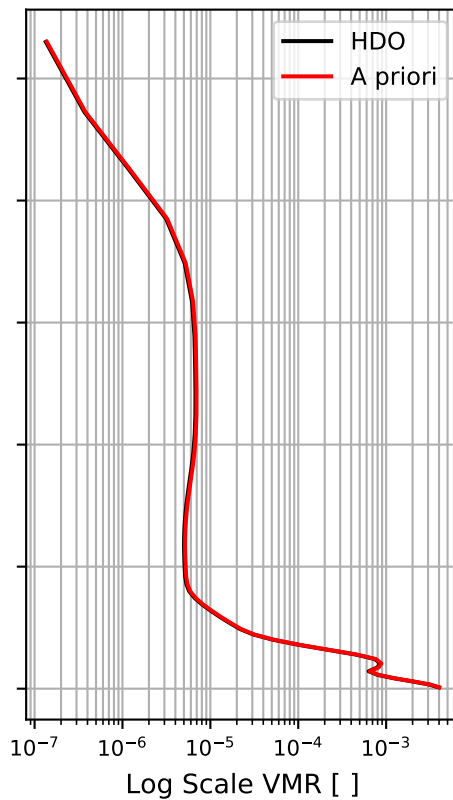
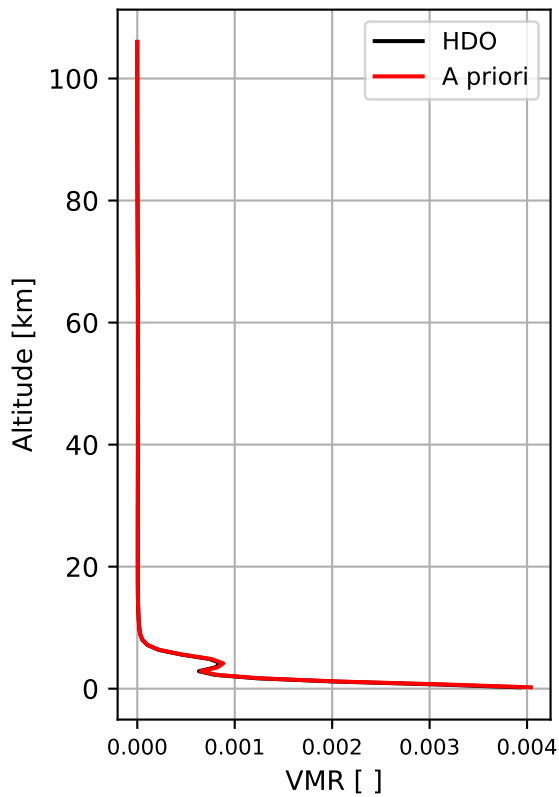
H₂O



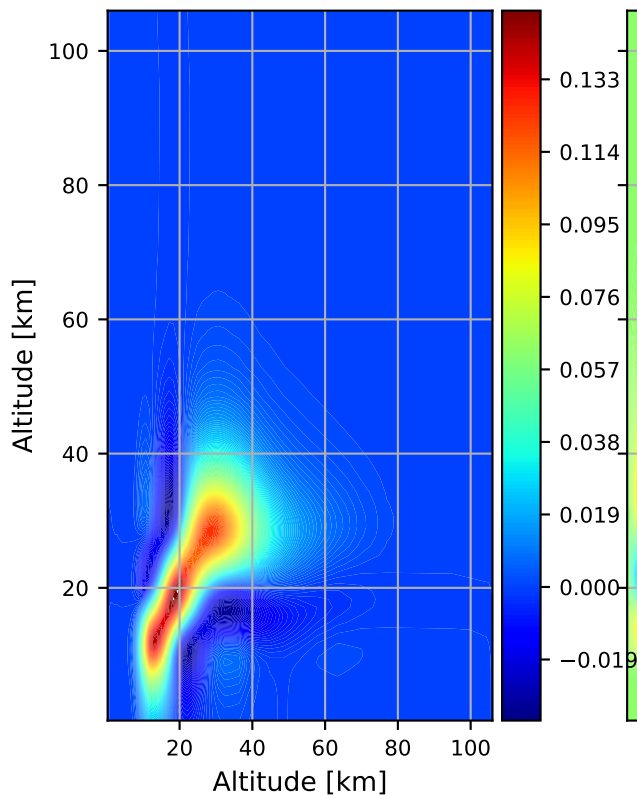
CH₄



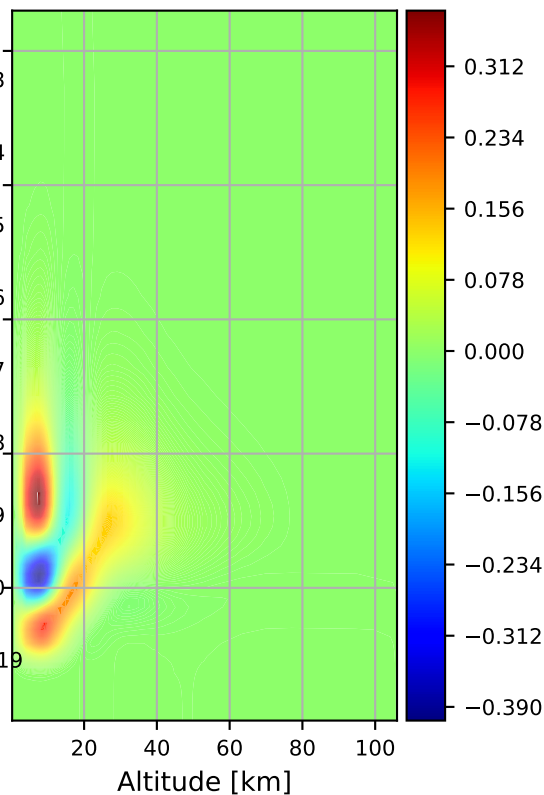
HDO



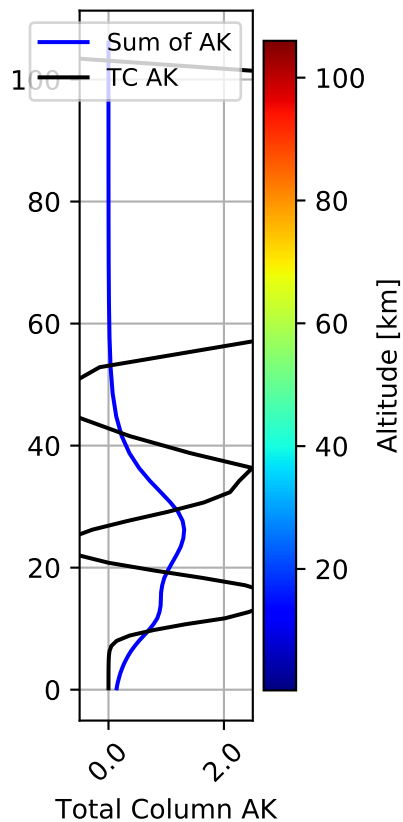
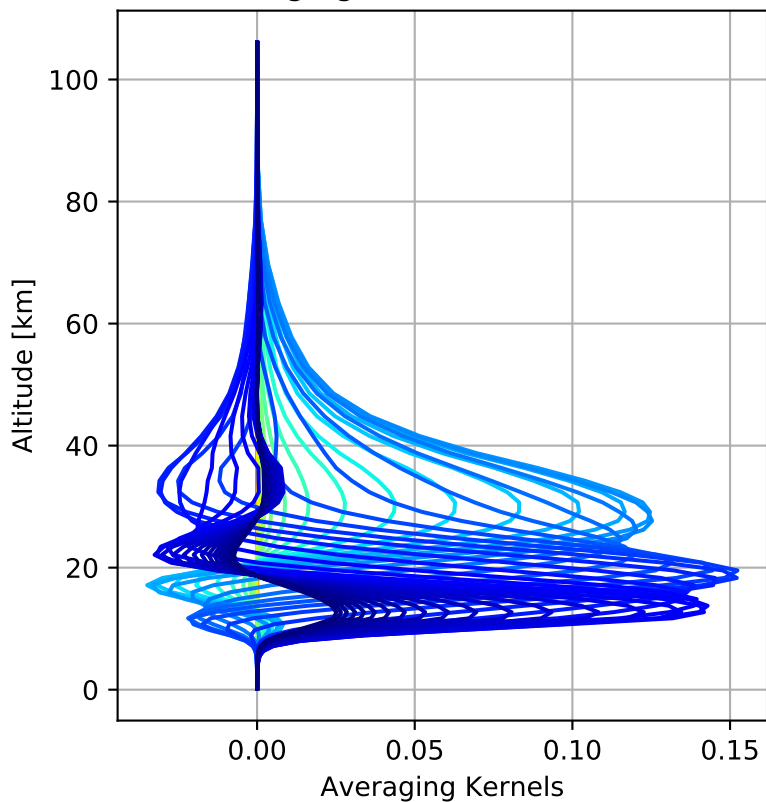
Averaging Kernel Matrix (Scale Factor)



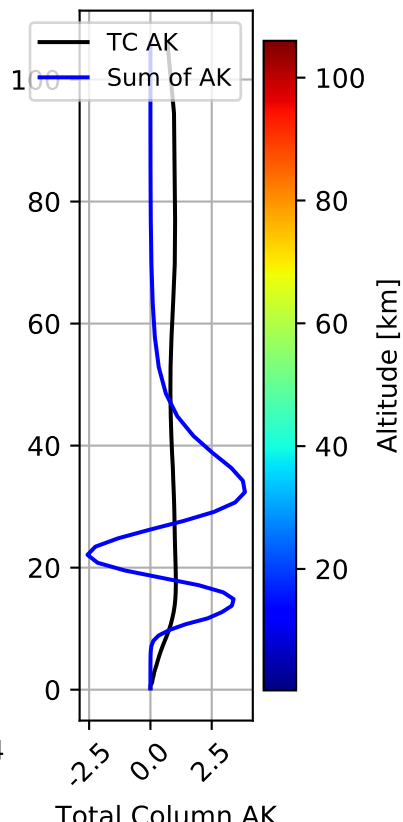
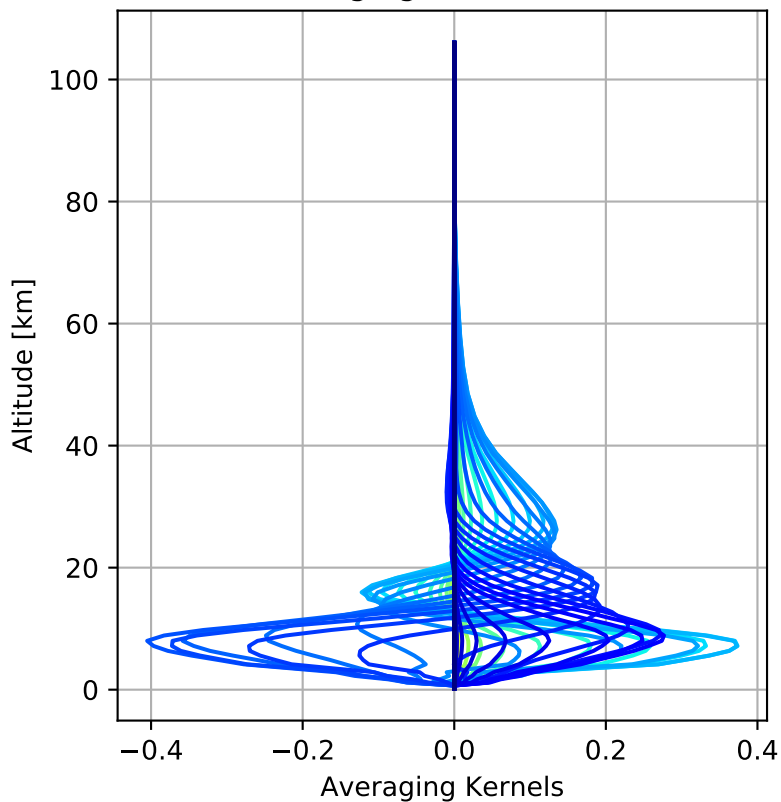
Averaging Kernel Matrix (VMR)



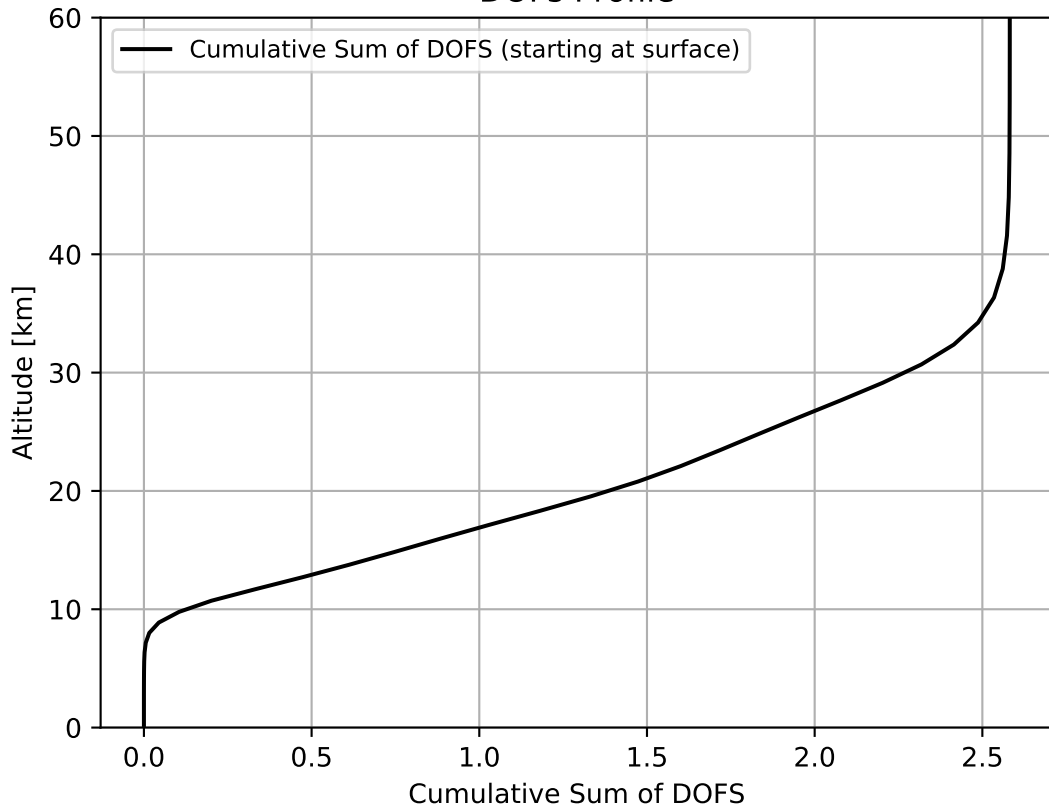
Averaging Kernels Scale Factor



Averaging Kernels VMR



DOFs Profile



SFIT4: Pre-Rele:Pre-Release -- Sept 9 2014 RUNTIME:20200124-14:09:02 RETRIEVAL SUMMARY

1
20190907 18:17:47UT Z:071.988 A:027.46 D:0204.7 R:0.0035 P:BX V:02.3923 E:6397

4
IRET GAS_NAME IFPRF APR_COLUMN RET_COLUMN
1 HF T 1.76089E+15 1.93315E+15
2 H2O T 1.78385E+22 2.19109E+22
3 CH4 F 3.44588E+19 2.74595E+19
4 HDO F 1.78385E+22 1.73363E+22

1
IBAND NUSTART NUSTOP SPACE NPTSB PMAX FOVDIA MEAN_FIT_SNR NSCAN JSCAN INIT_SNR FIT
1 4038.81000 4039.07000 0.001945525 133 257.00 2.392300 1264.557610 1
1 1644.934 1264.558

FITRMS CHI_2_Y DOFS_ALL DOFS_TRG DOFS_TPR ITER MAX_ITER CONVERGED DIVWARN
0.078781 0.947340 7.967 2.582 0.000 6 25 T F

sfit4 ERROR SUMMARY

Primary gas	=	HF
Total column amount	=	1.93314E+15 [molecules cm ⁻²]
DOFs (total column)	=	2.582
Smoothing error (Ss)	=	0.144 [%]
Measurement error (Sm)	=	0.140 [%]
Interference error (retrieved params)	=	0.080 [%]
Interference error (interfering spcs)	=	0.011 [%]
Total random error	=	0.761 [%]
Total systematic error	=	1.062 [%]
Total random uncertainty	=	1.470E+13 [molecules cm ⁻²]
Total systematic uncertainty	=	2.054E+13 [molecules cm ⁻²]
Total random uncertainty measurement	=	2.706E+12 [molecules cm ⁻²]
Total random uncertainty retrieval_parameters	=	1.541E+12 [molecules cm ⁻²]
Total random uncertainty interfering_species	=	2.199E+11 [molecules cm ⁻²]
Total random uncertainty temperature	=	2.416E+12 [molecules cm ⁻²]
Total random uncertainty sza	=	1.425E+13 [molecules cm ⁻²]
Total systematic uncertainty smoothing	=	2.790E+12 [molecules cm ⁻²]
Total systematic uncertainty linepair_hf	=	6.546E+11 [molecules cm ⁻²]
Total systematic uncertainty temperature	=	7.674E+12 [molecules cm ⁻²]
Total systematic uncertainty linetair_hf	=	4.479E+11 [molecules cm ⁻²]
Total systematic uncertainty lineint_hf	=	1.903E+13 [molecules cm ⁻²]