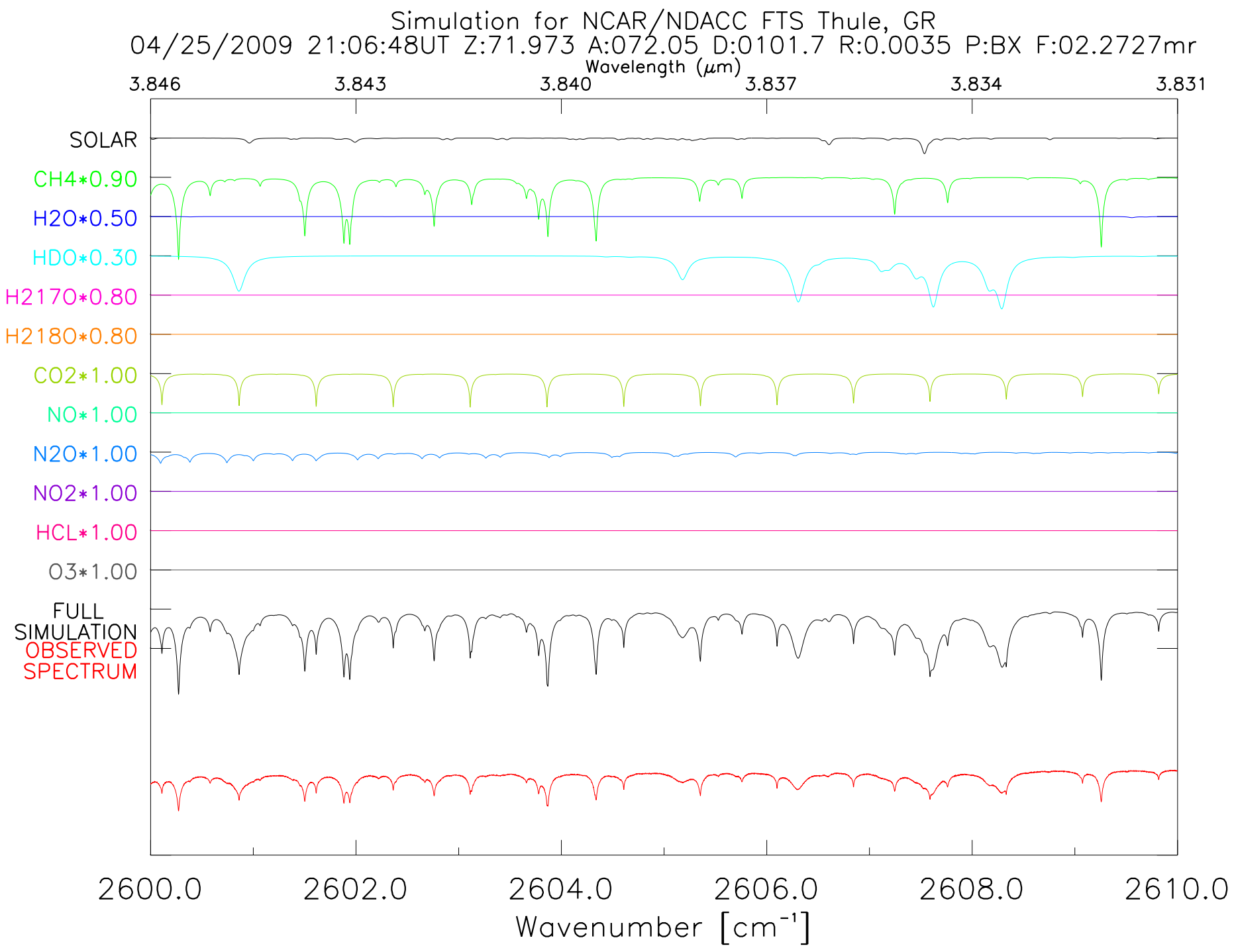
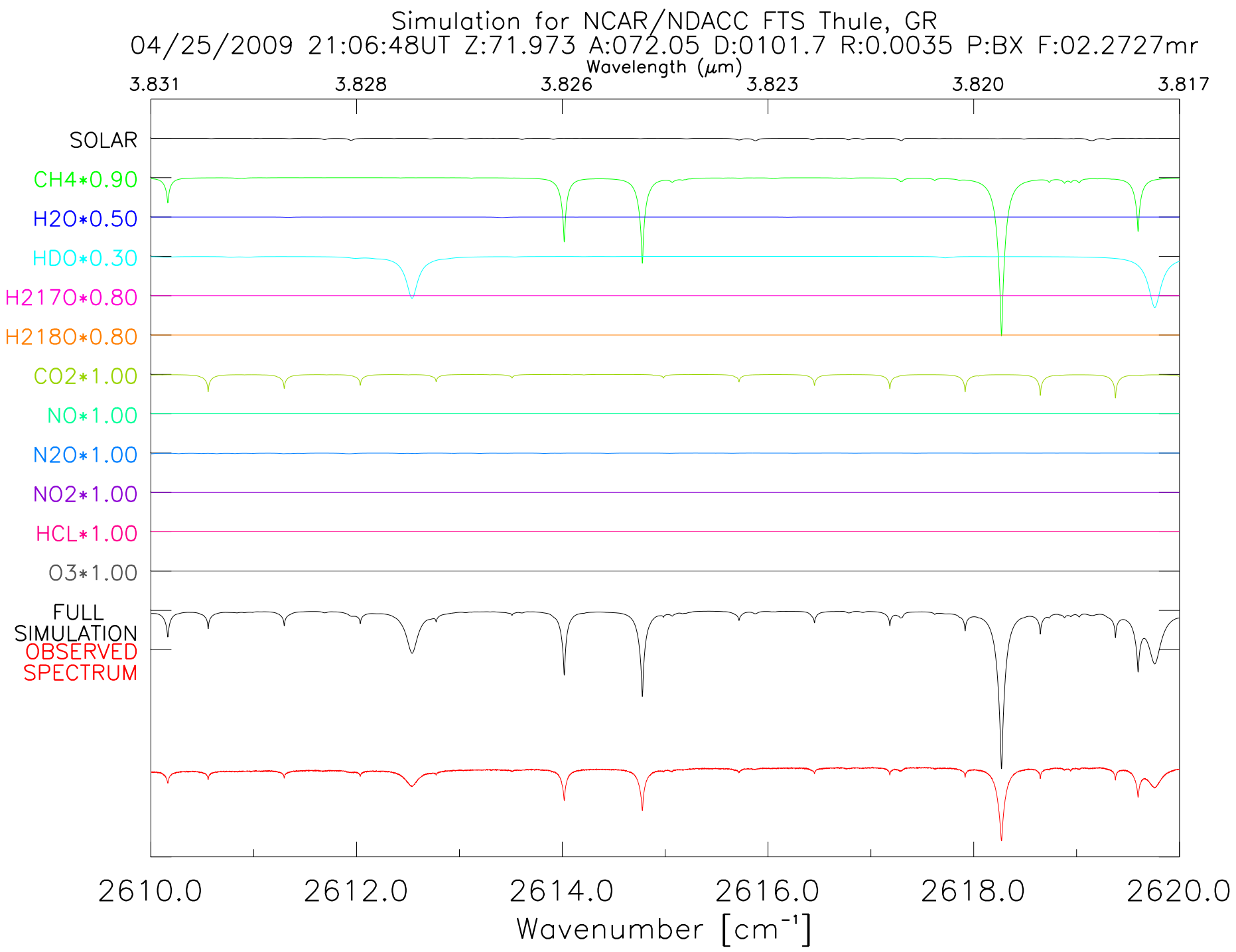
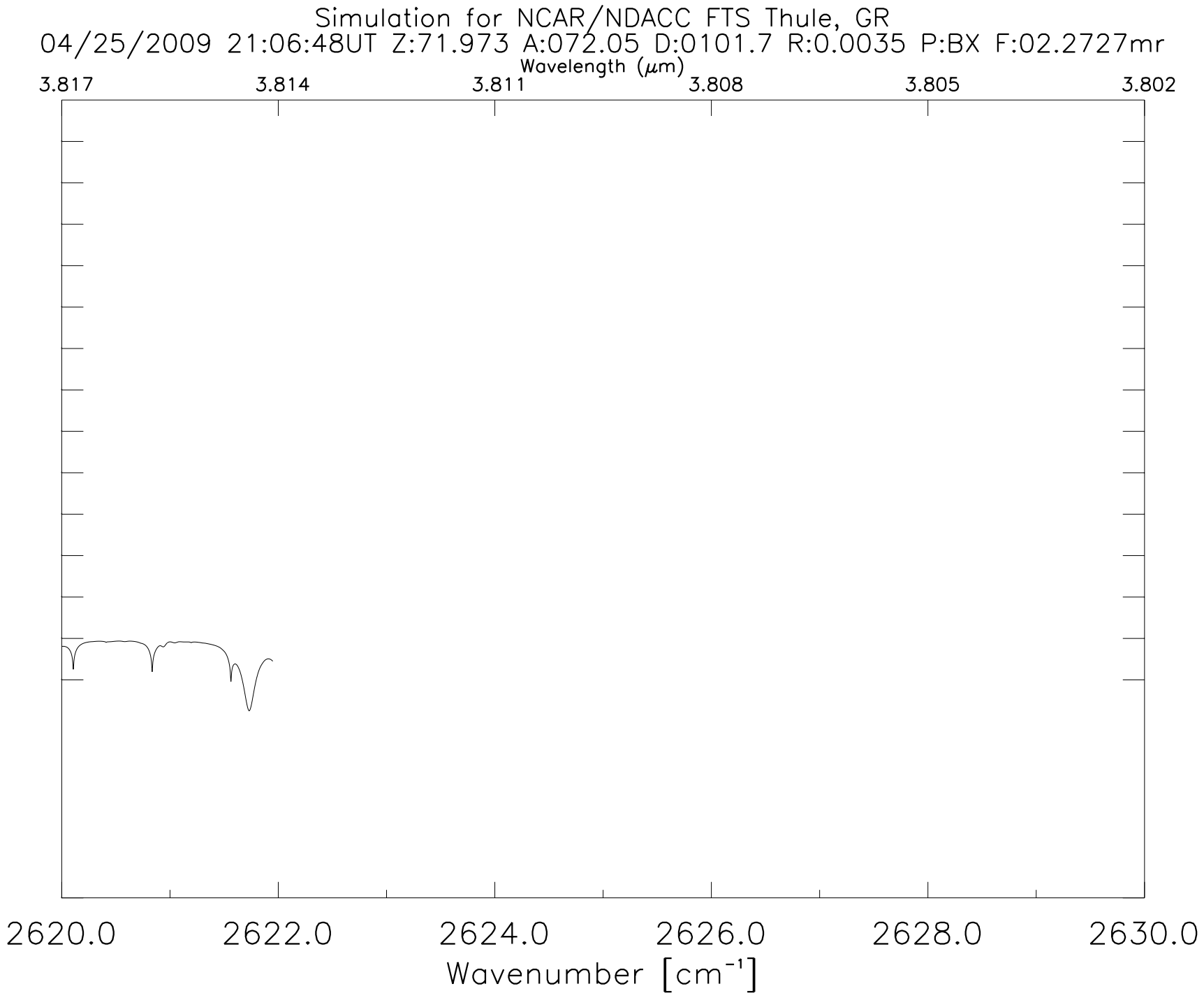
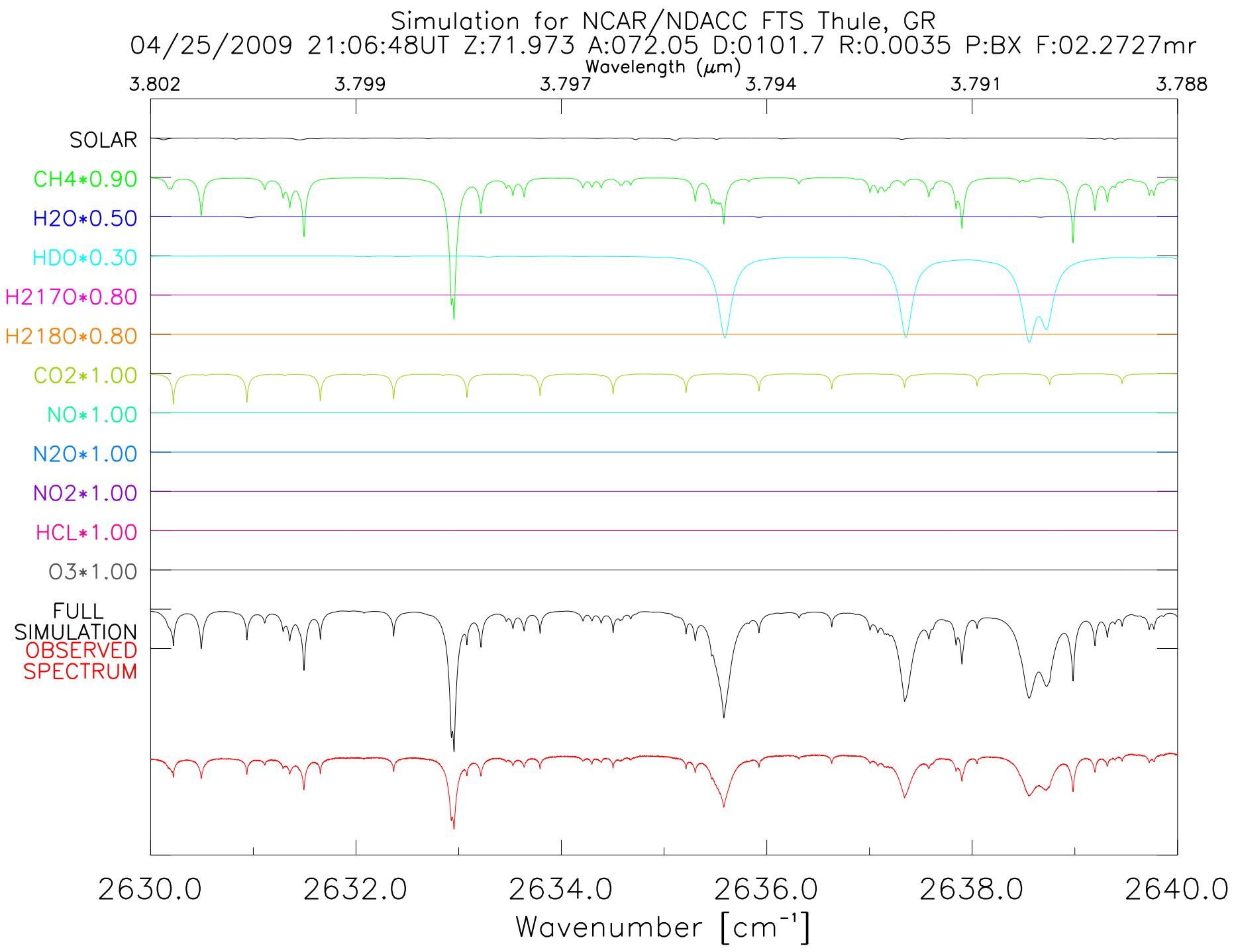
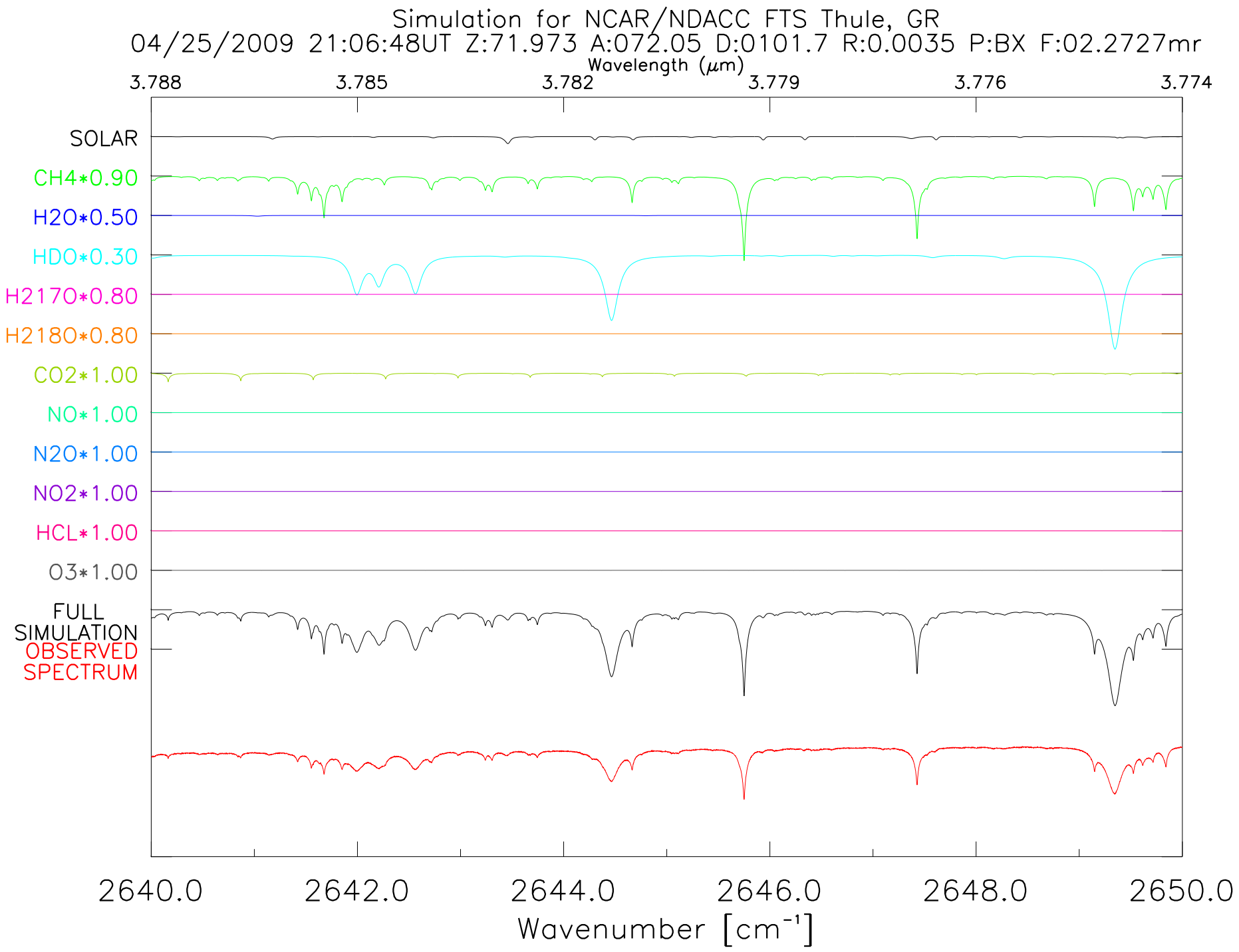
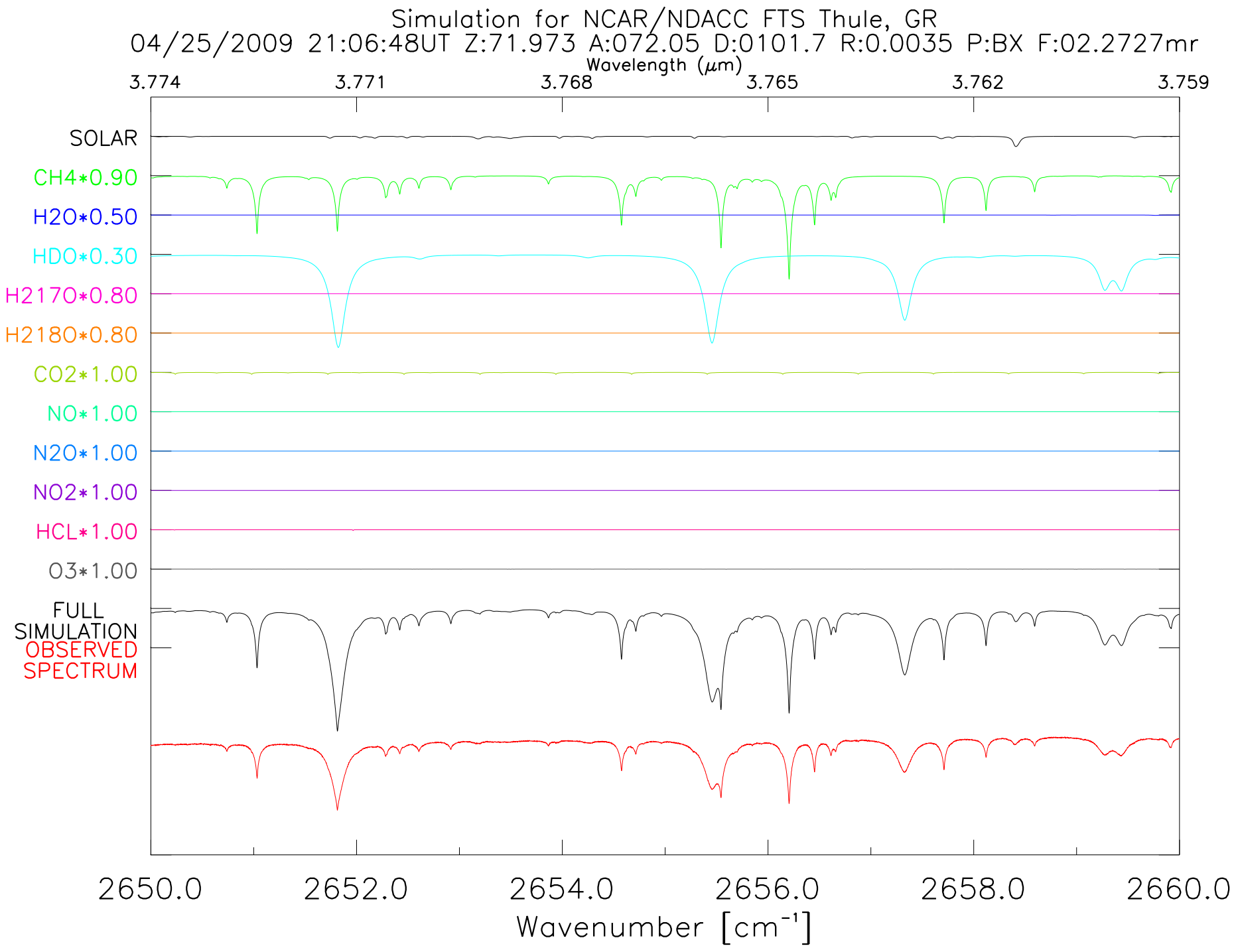

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.846
3.843
3.840
3.837
3.834
3.831
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2600.0
2602.0
2604.0
2606.0
2608.0
2610.0
Wavenumber [cm⁻¹]

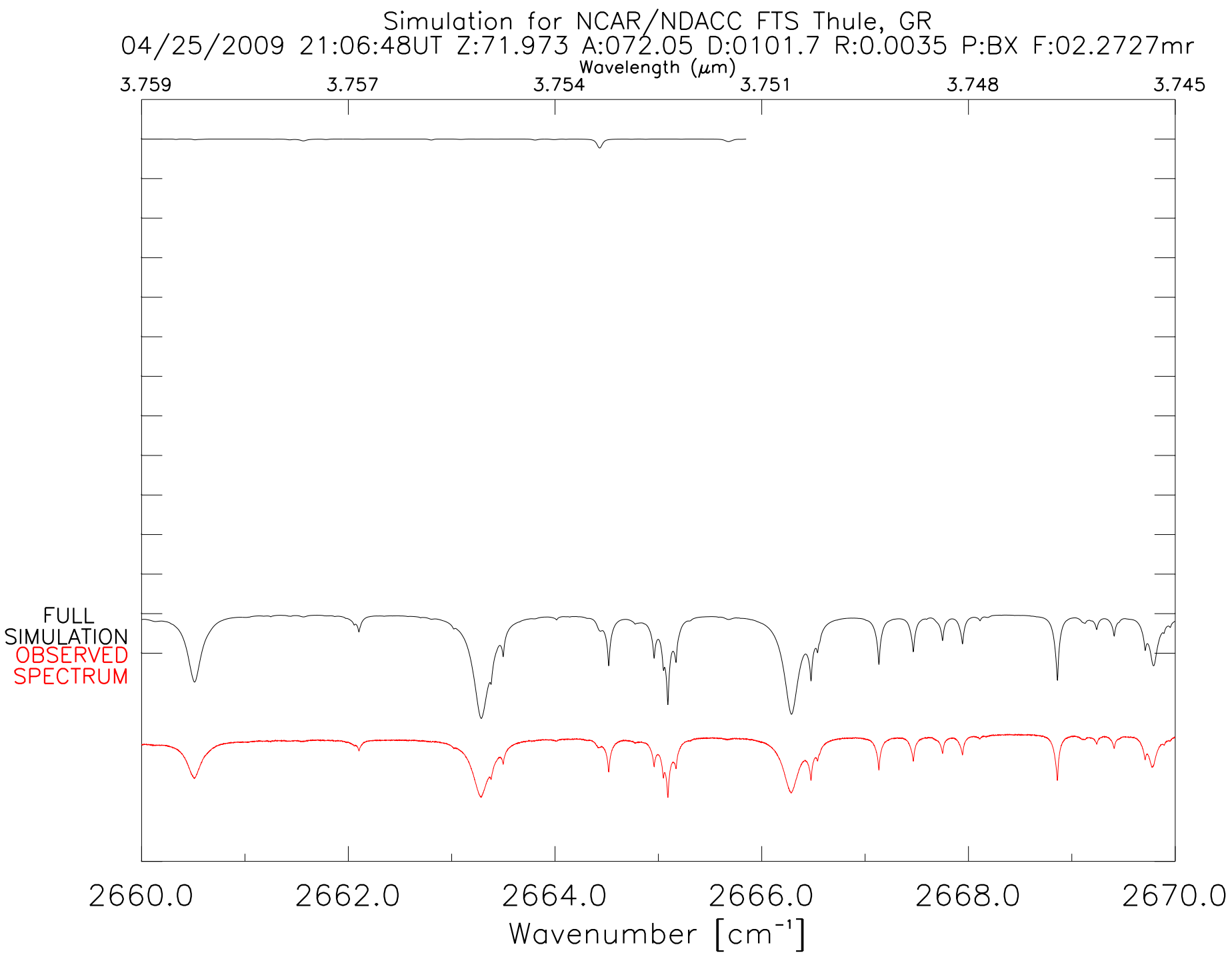

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.831
3.828
3.826
3.823
3.820
3.817
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2610.0
2612.0
2614.0
2616.0
2618.0
2620.0
Wavenumber [cm⁻¹]

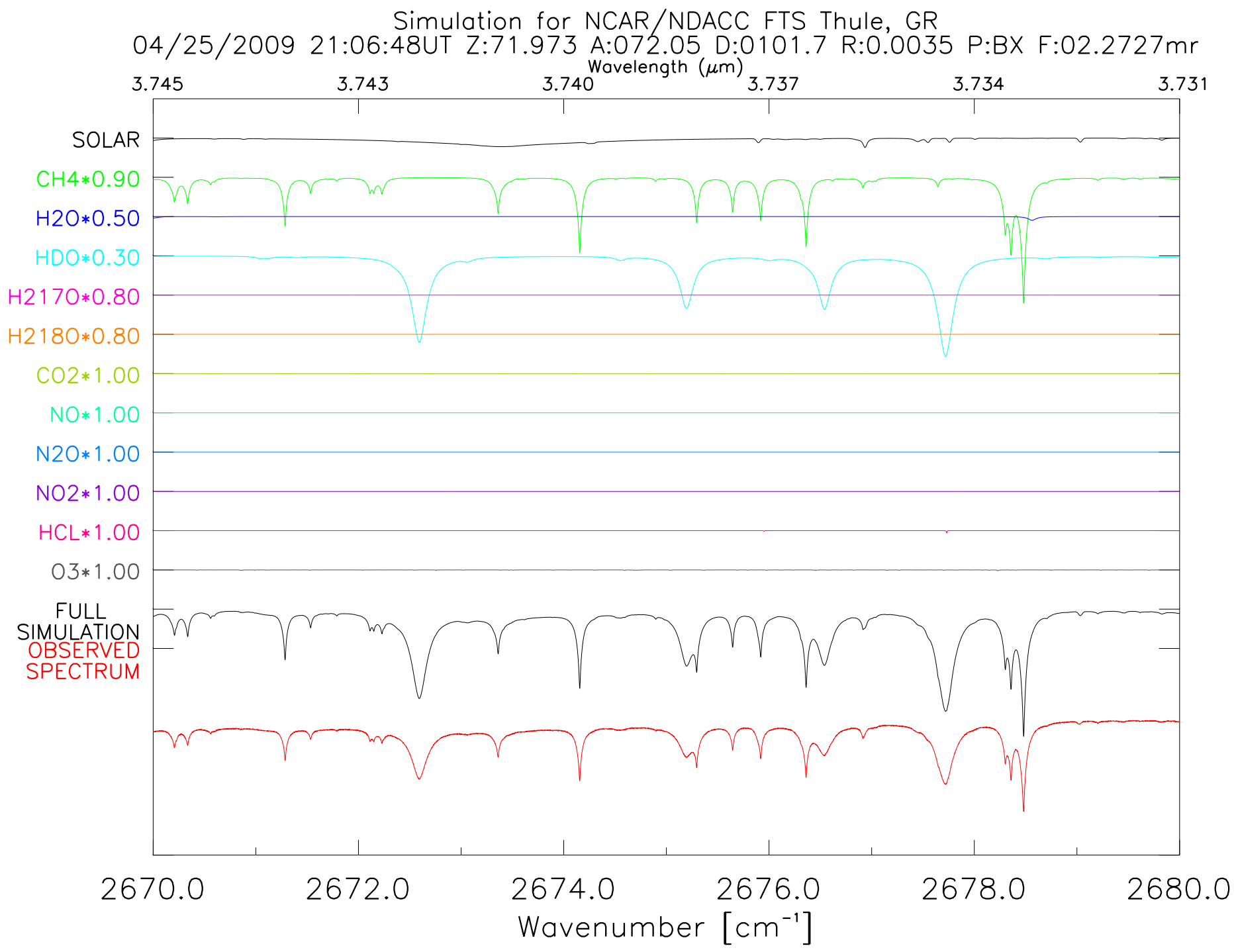

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.817
3.814
3.811
3.808
3.805
3.802
2620.0
2622.0
2624.0
2626.0
2628.0
2630.0
Wavenumber [cm⁻¹]

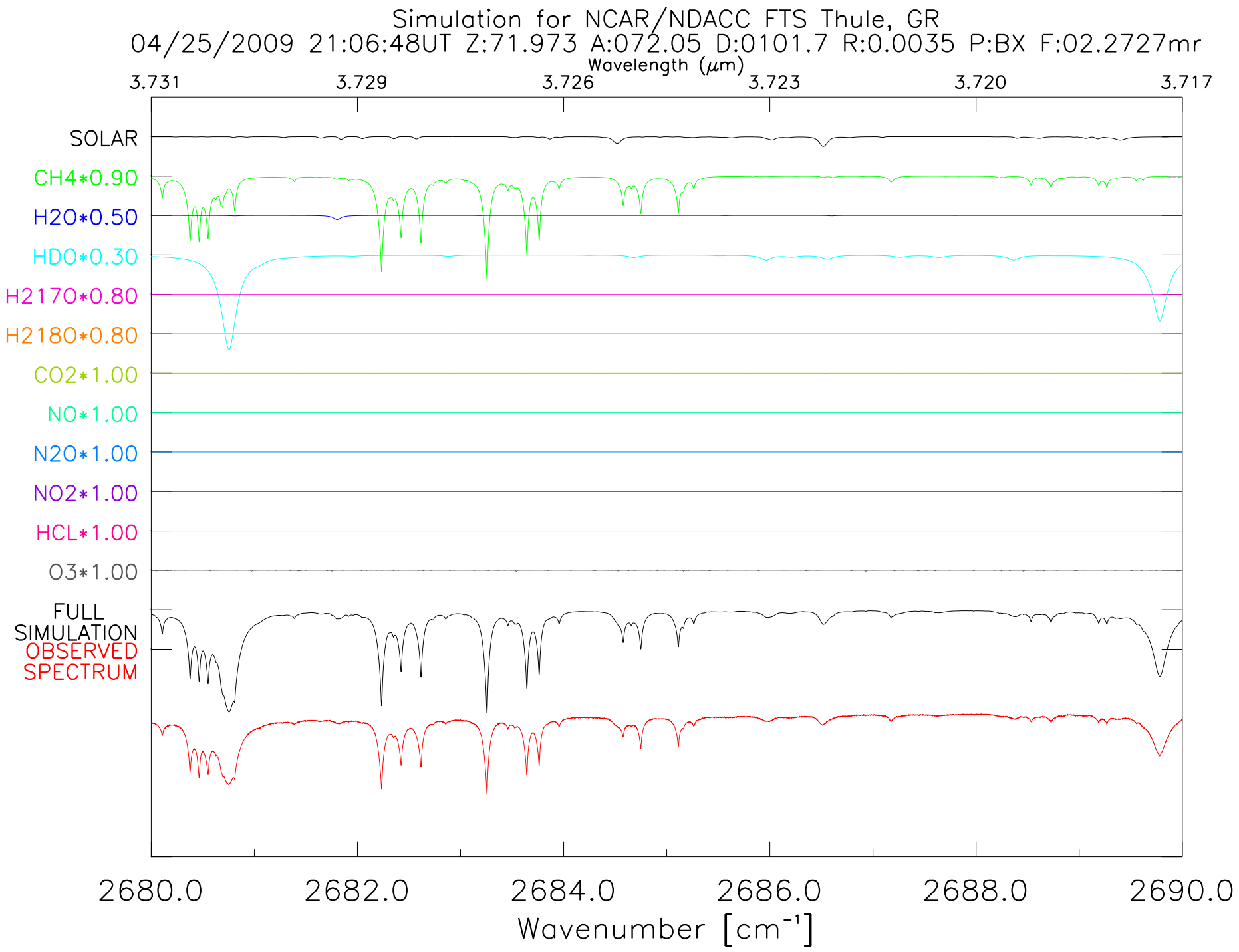

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.802
3.799
3.797
3.794
3.791
3.788
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2630.0
2632.0
2634.0
2636.0
2638.0
2640.0
Wavenumber [cm⁻¹]

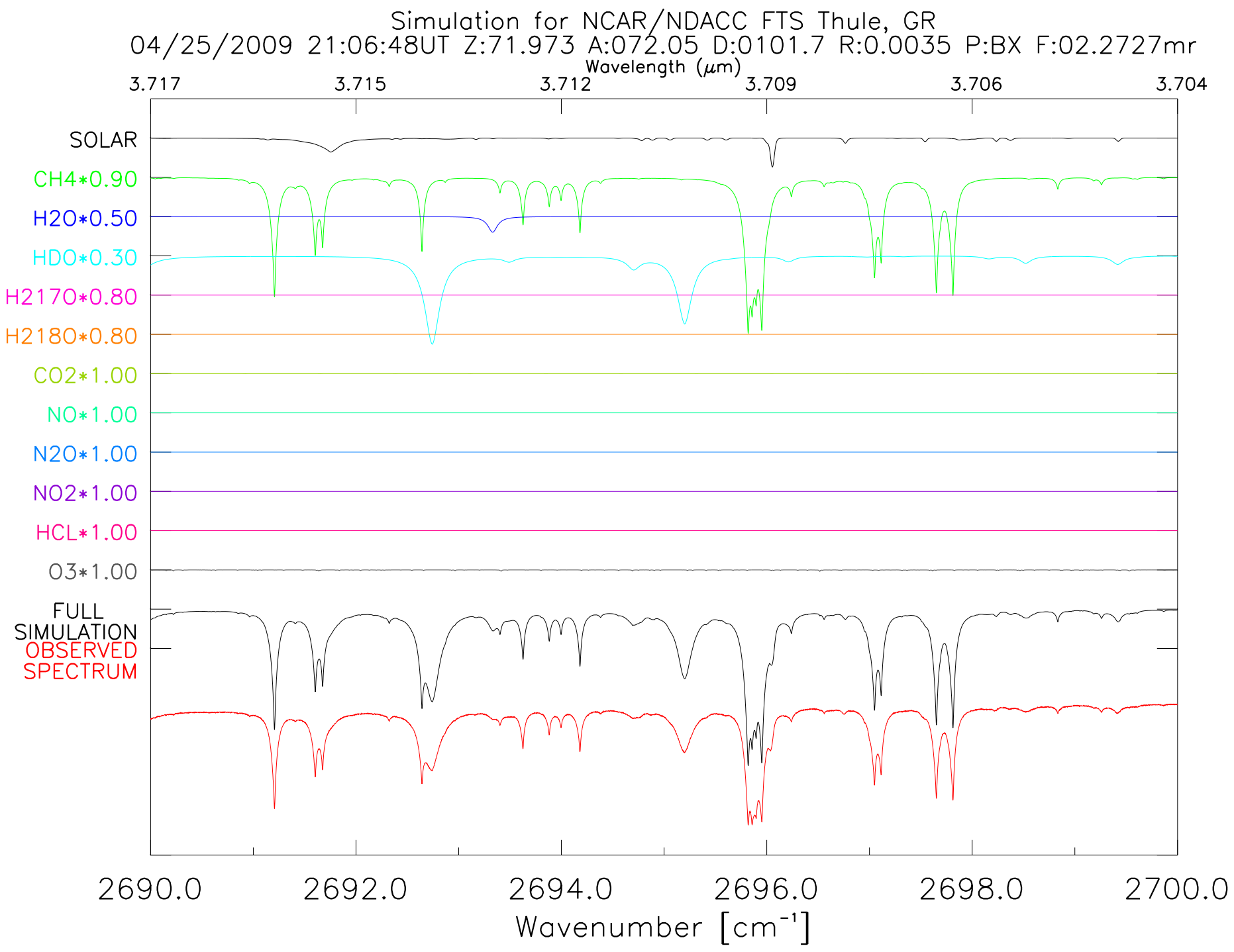

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.788
3.785
3.782
3.779
3.776
3.774
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2640.0
2642.0
2644.0
2646.0
2648.0
2650.0
Wavenumber [cm⁻¹]

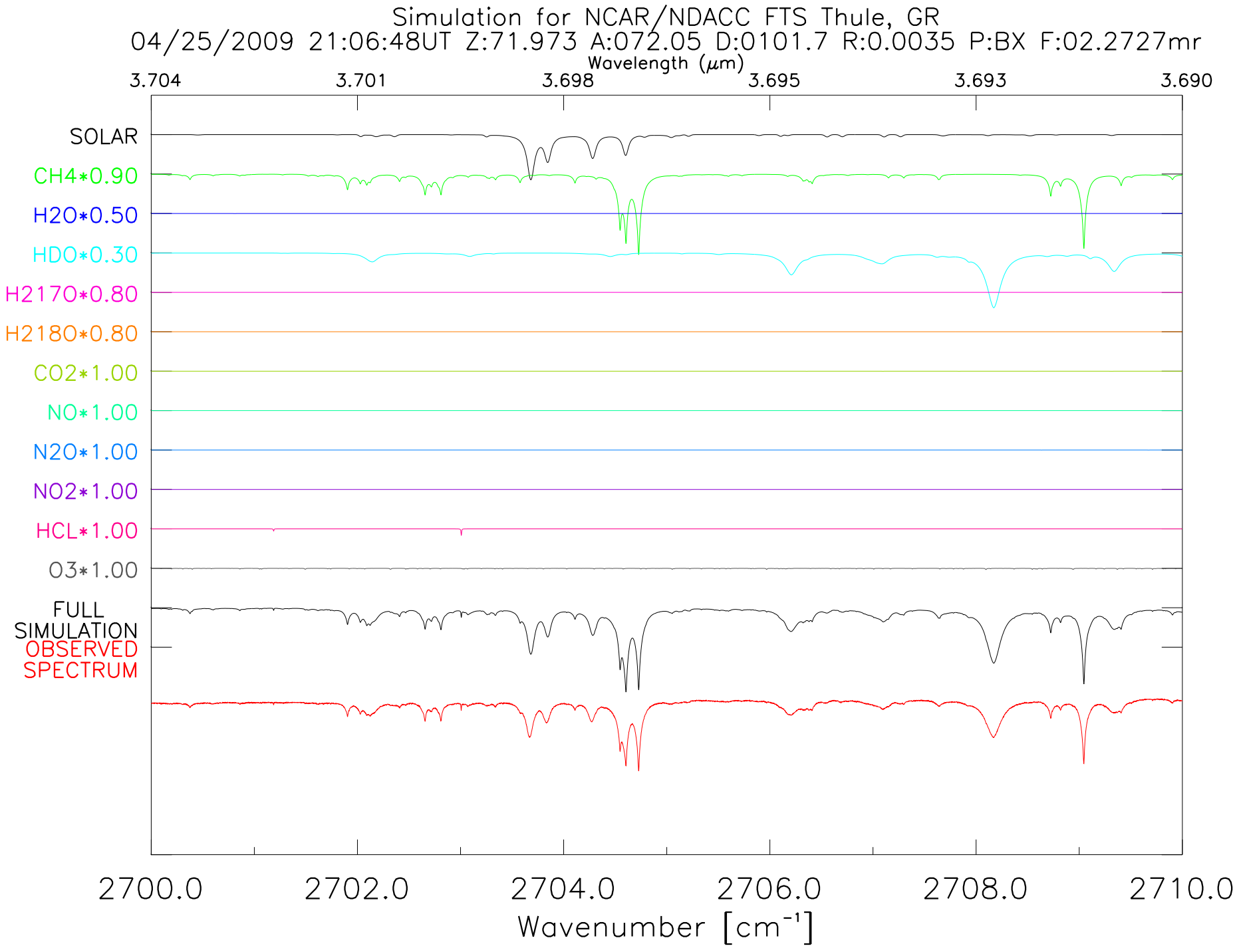

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.774
3.771
3.768
3.765
3.762
3.759
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2650.0
2652.0
2654.0
2656.0
2658.0
2660.0
Wavenumber [cm⁻¹]

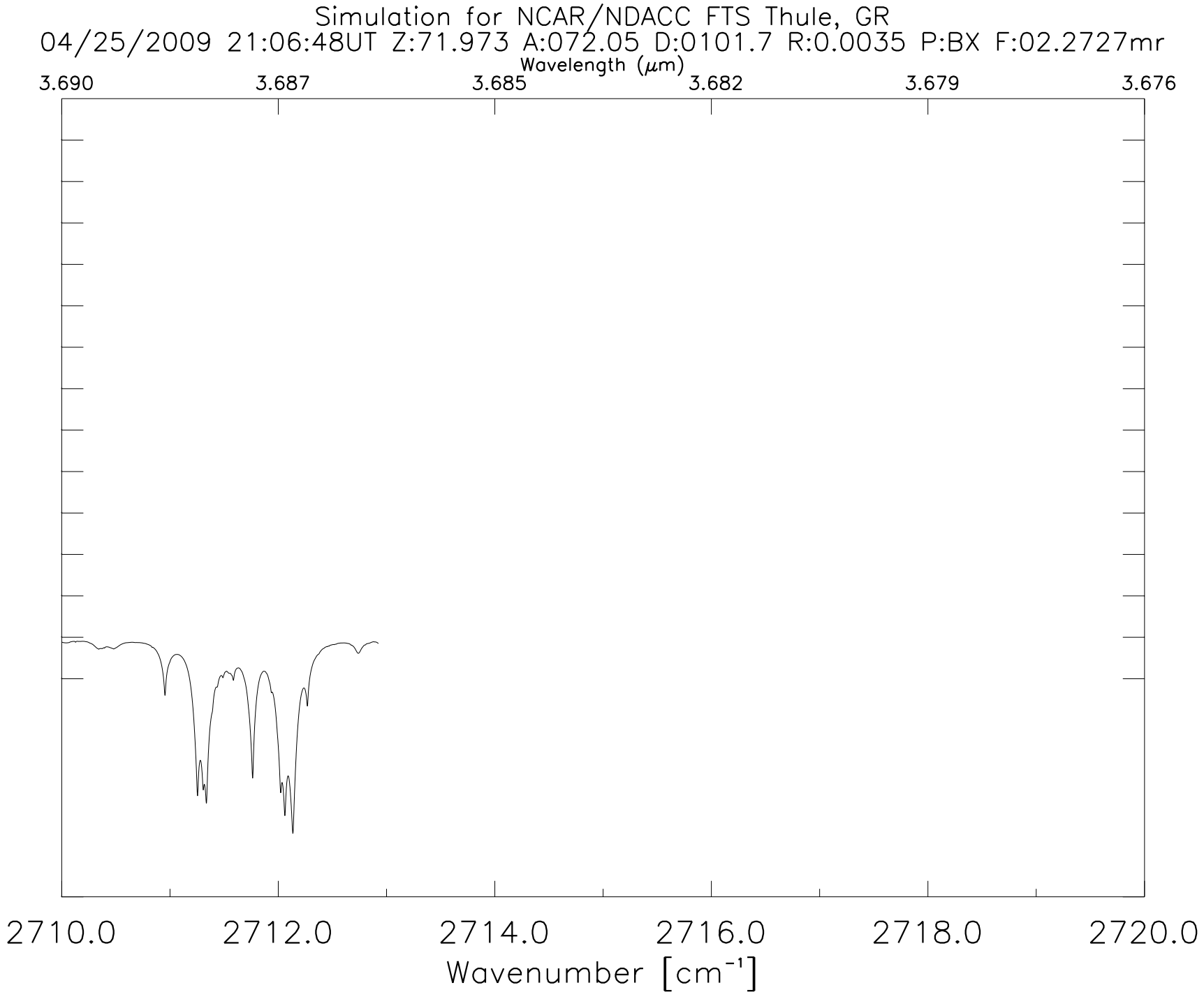

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.759
3.757
3.754
3.751
3.748
3.745
FULL SIMULATION
OBSERVED SPECTRUM
2660.0
2662.0
2664.0
2666.0
2668.0
2670.0
Wavenumber [cm⁻¹]

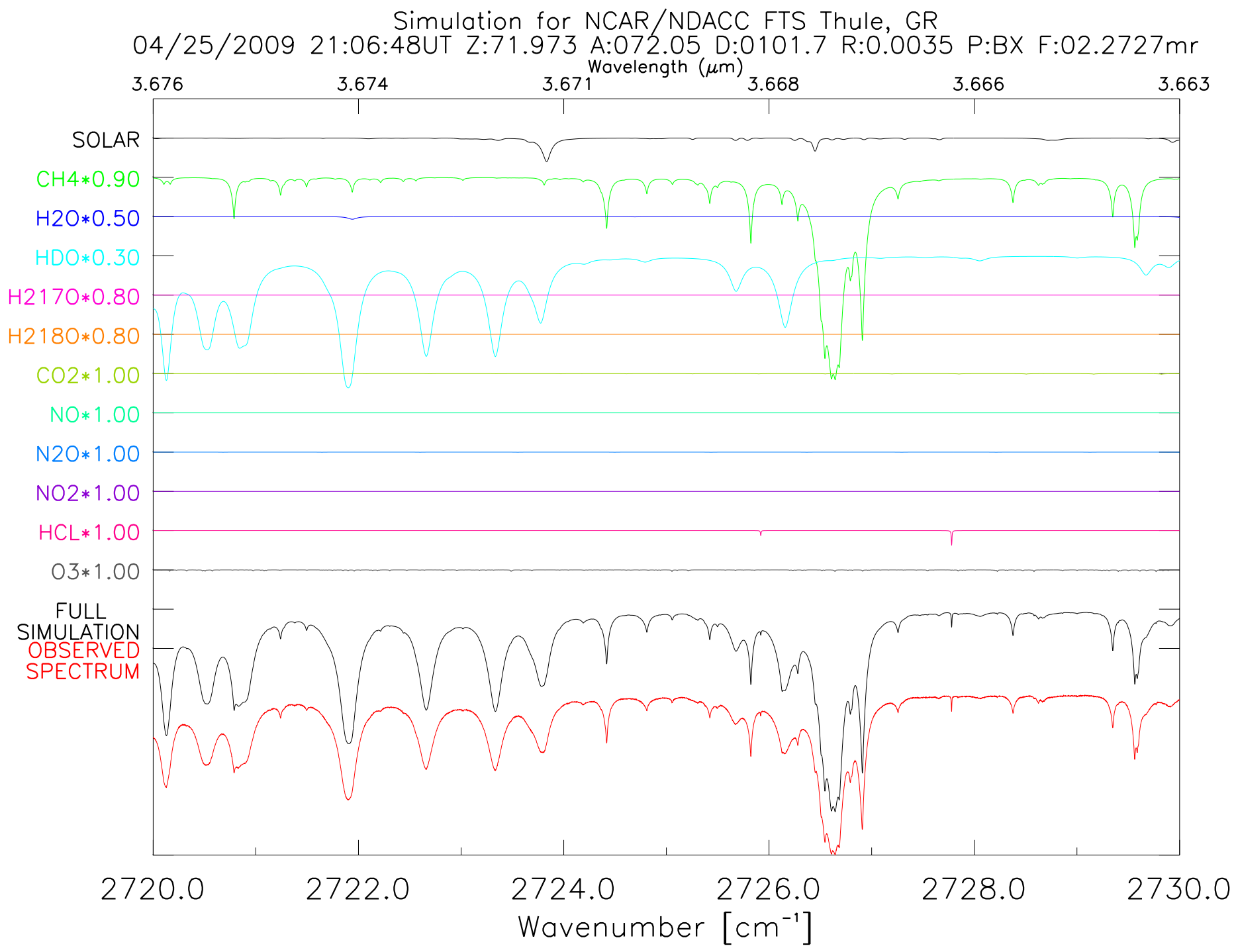

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.745
3.743
3.740
3.737
3.734
3.731
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2670.0
2672.0
2674.0
2676.0
2678.0
2680.0
Wavenumber [cm⁻¹]

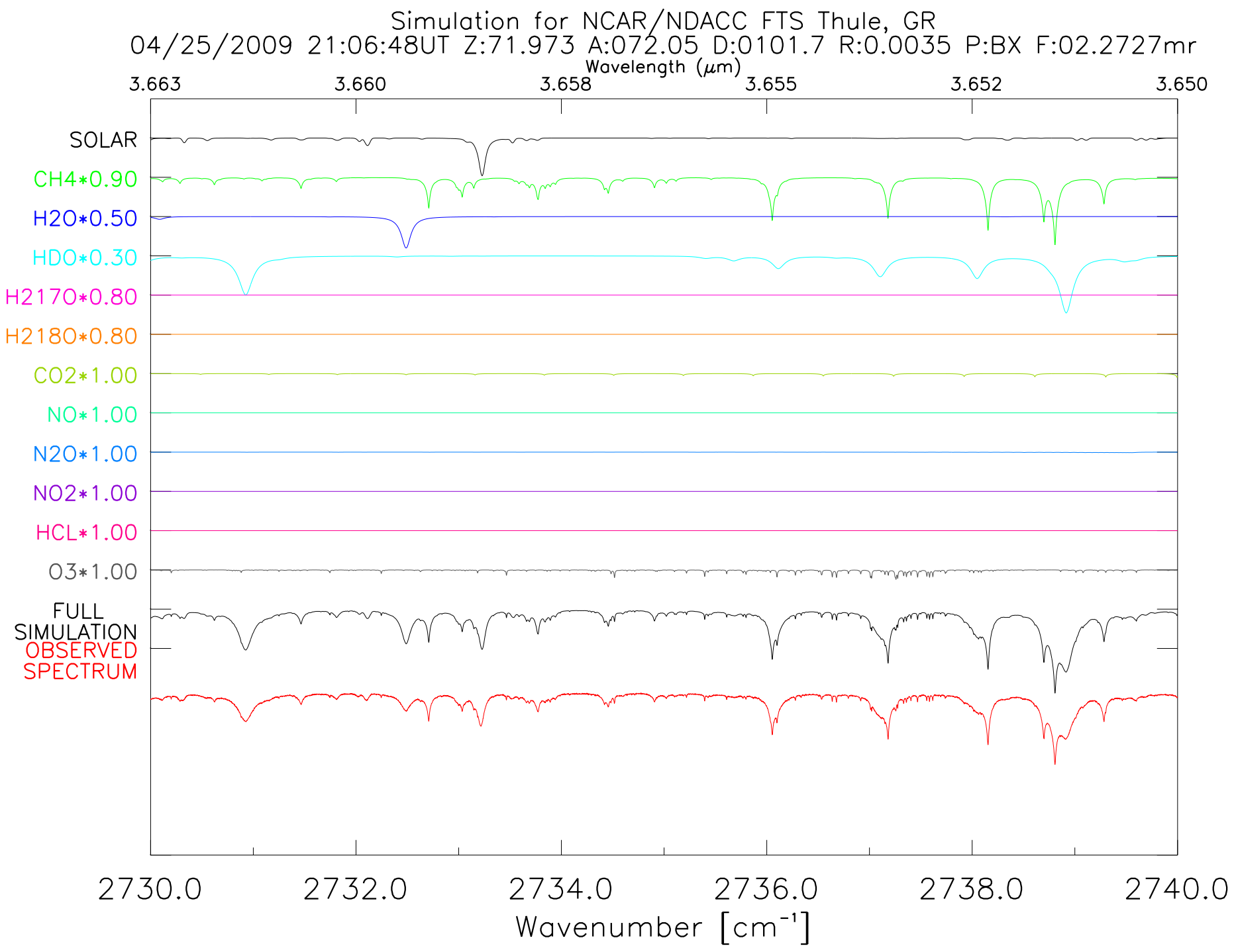

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.731
3.729
3.726
3.723
3.720
3.717
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2680.0
2682.0
2684.0
2686.0
2688.0
2690.0
Wavenumber [cm⁻¹]

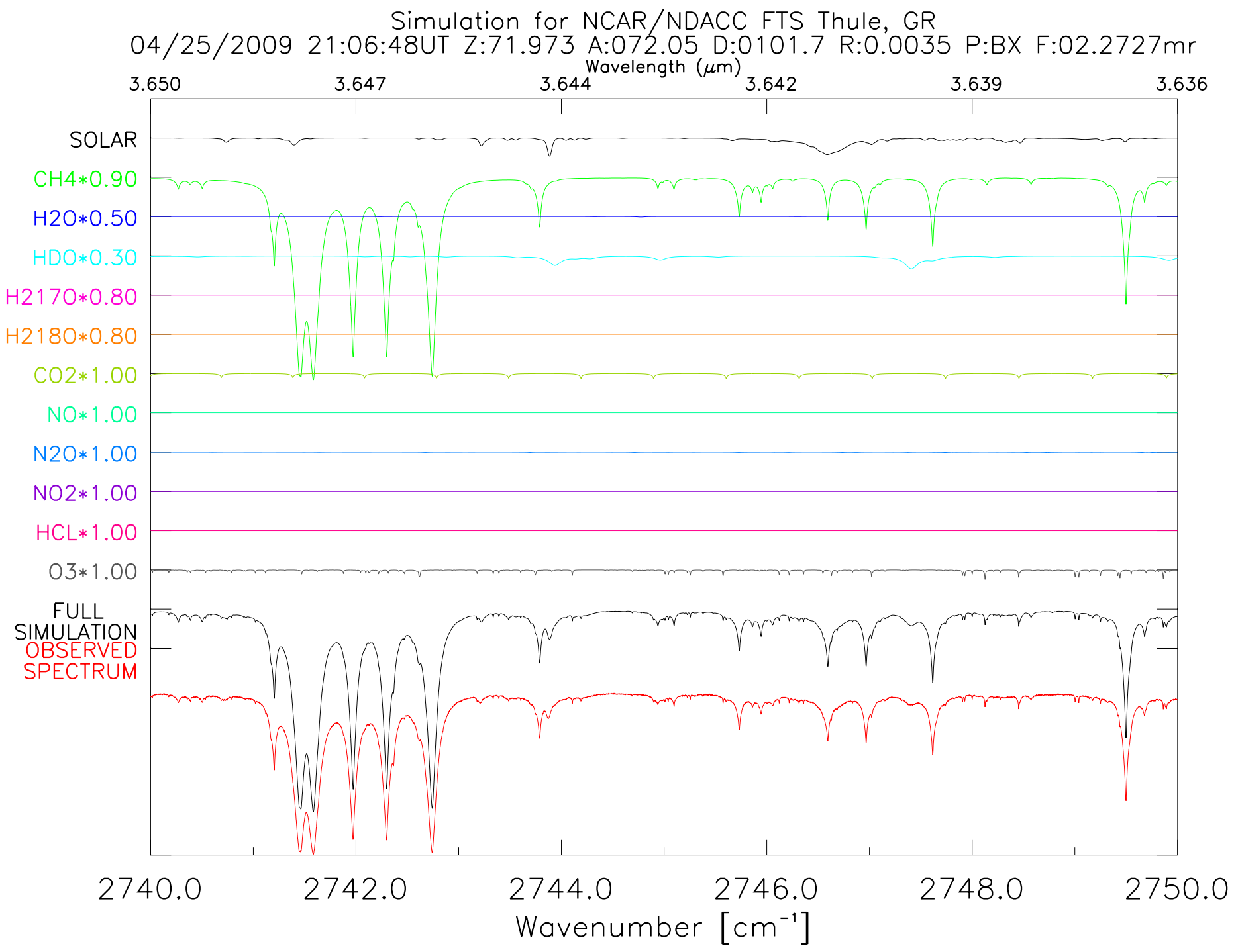

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.717
3.715
3.712
3.709
3.706
3.704
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2690.0
2692.0
2694.0
2696.0
2698.0
2700.0
Wavenumber [cm⁻¹]


Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.704
3.701
3.698
3.695
3.693
3.690
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2700.0
2702.0
2704.0
2706.0
2708.0
2710.0
Wavenumber [cm⁻¹]

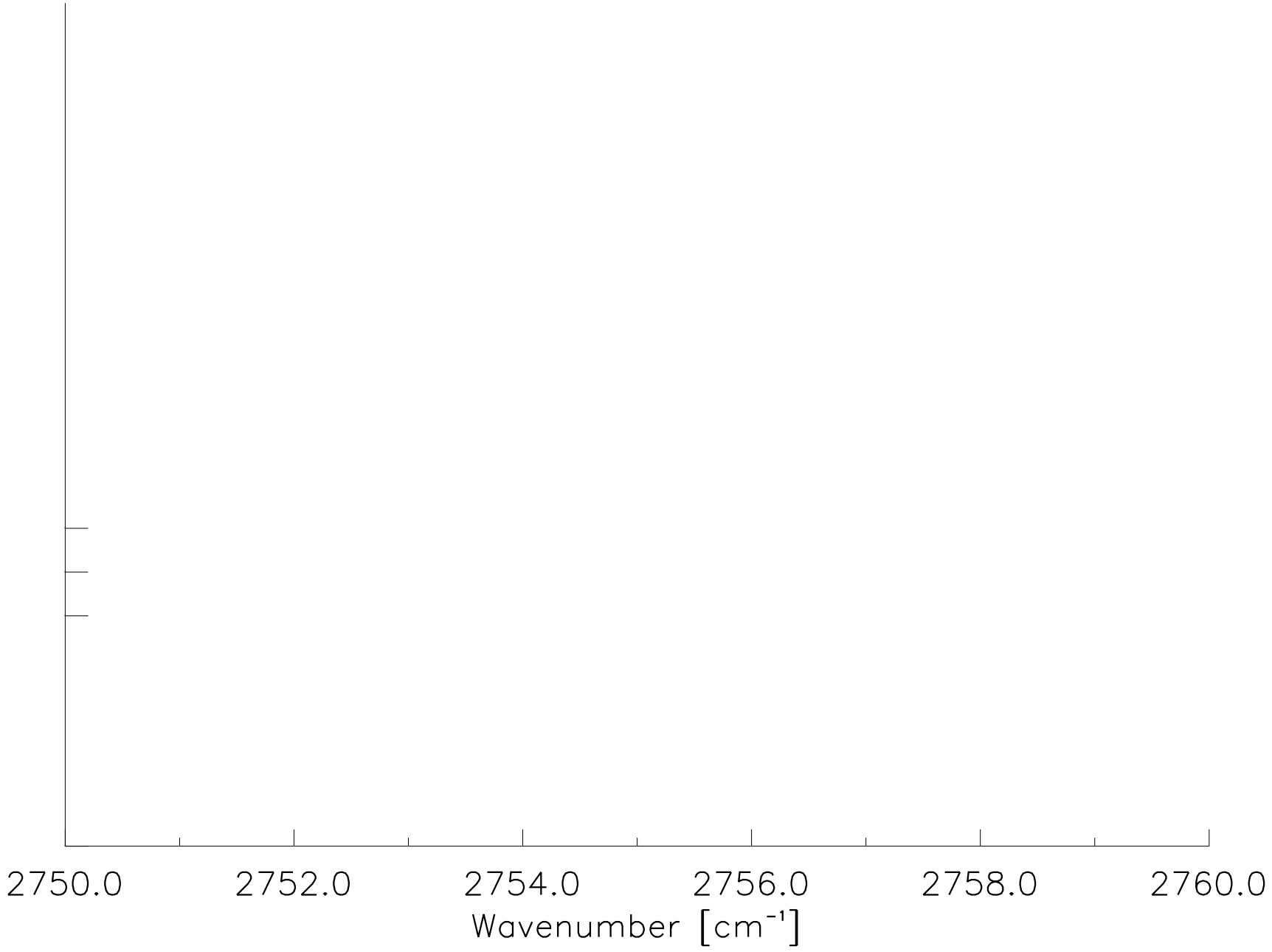

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.690
3.687
3.685
3.682
3.679
3.676
2710.0
2712.0
2714.0
2716.0
2718.0
2720.0
Wavenumber [cm⁻¹]

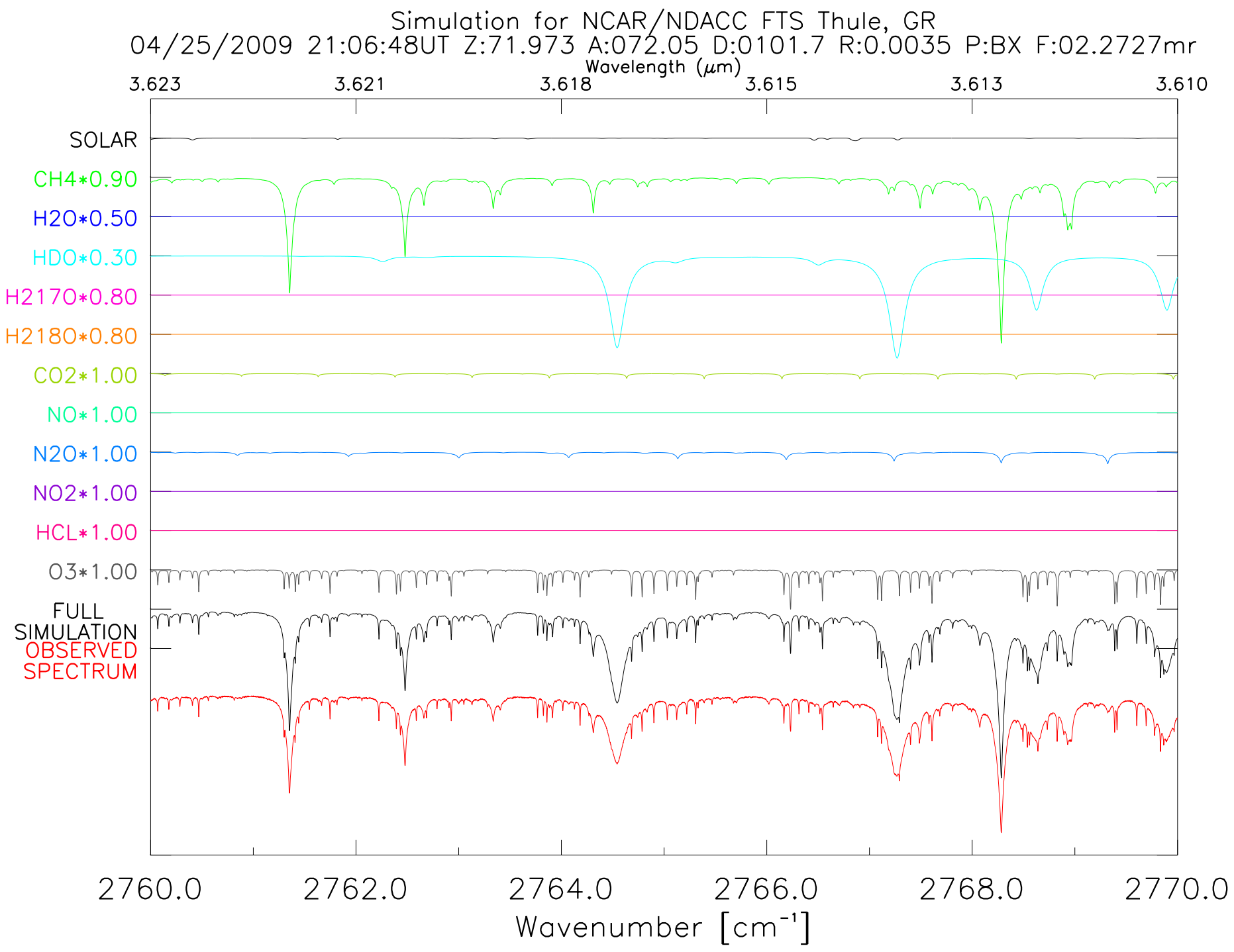

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.676
3.674
3.671
3.668
3.666
3.663
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2720.0
2722.0
2724.0
2726.0
2728.0
2730.0
Wavenumber [cm⁻¹]

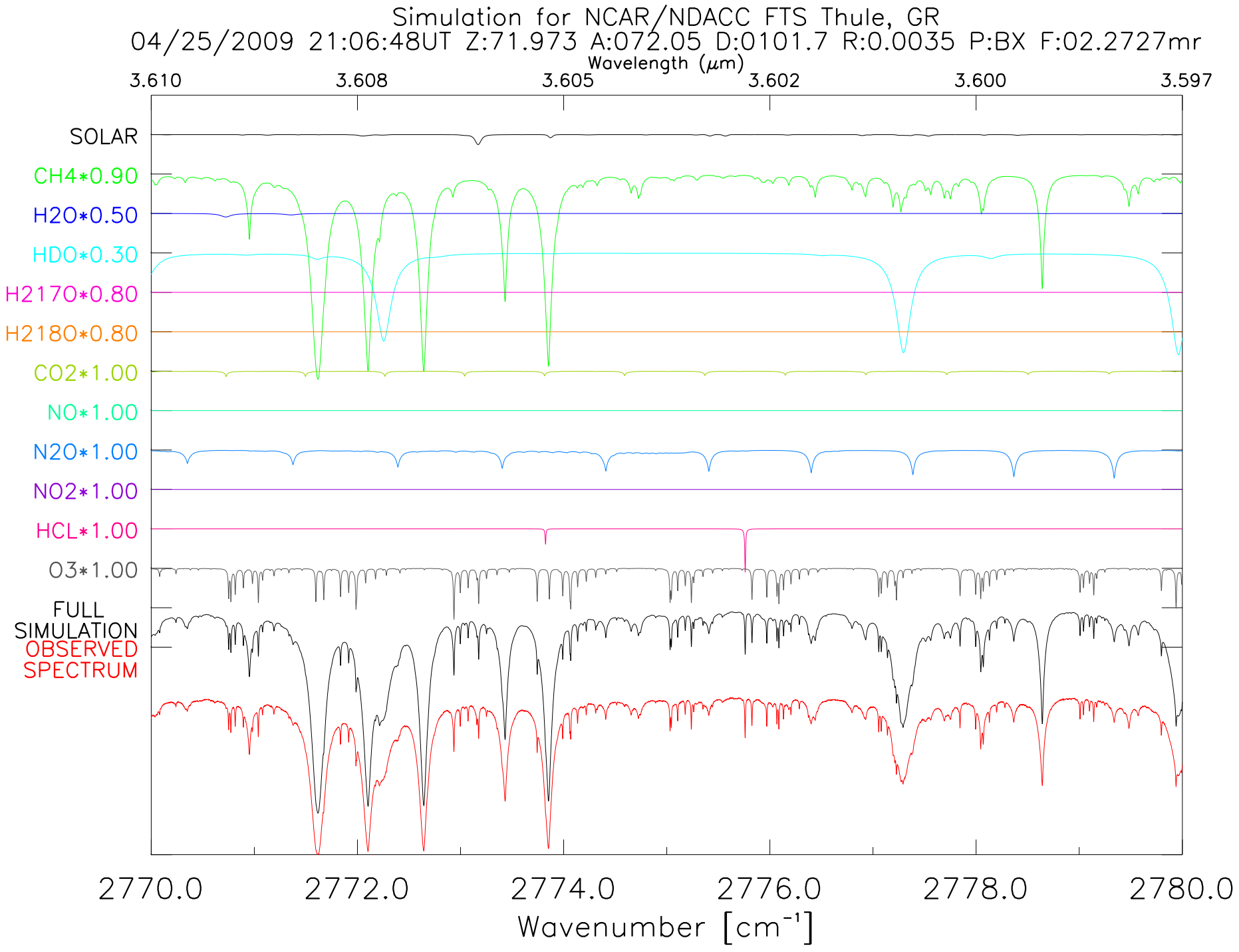

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.663
3.660
3.658
3.655
3.652
3.650
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2730.0
2732.0
2734.0
2736.0
2738.0
2740.0
Wavenumber [cm⁻¹]

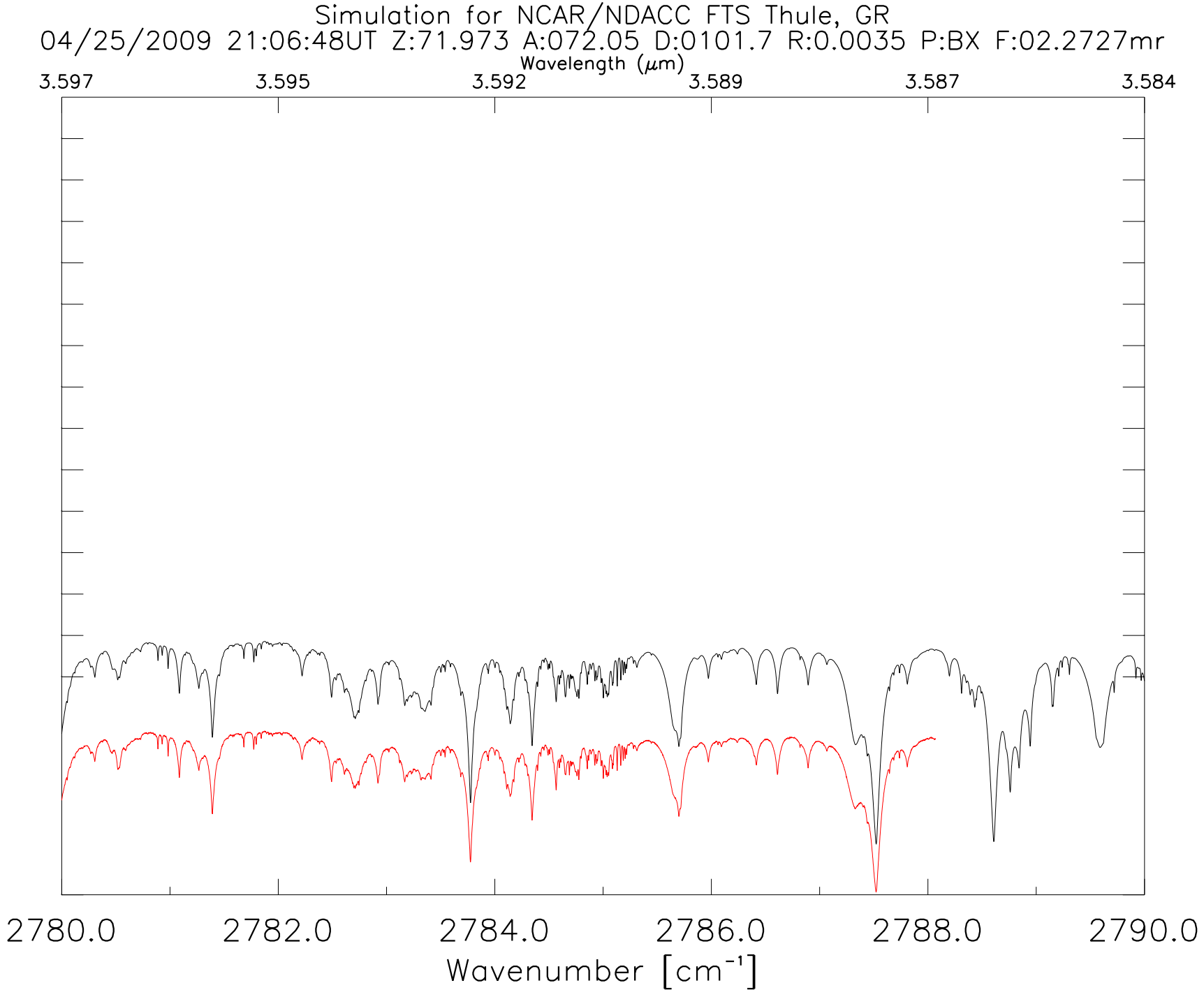

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.650
3.647
3.644
3.642
3.639
3.636
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2740.0
2742.0
2744.0
2746.0
2748.0
2750.0
Wavenumber [cm⁻¹]

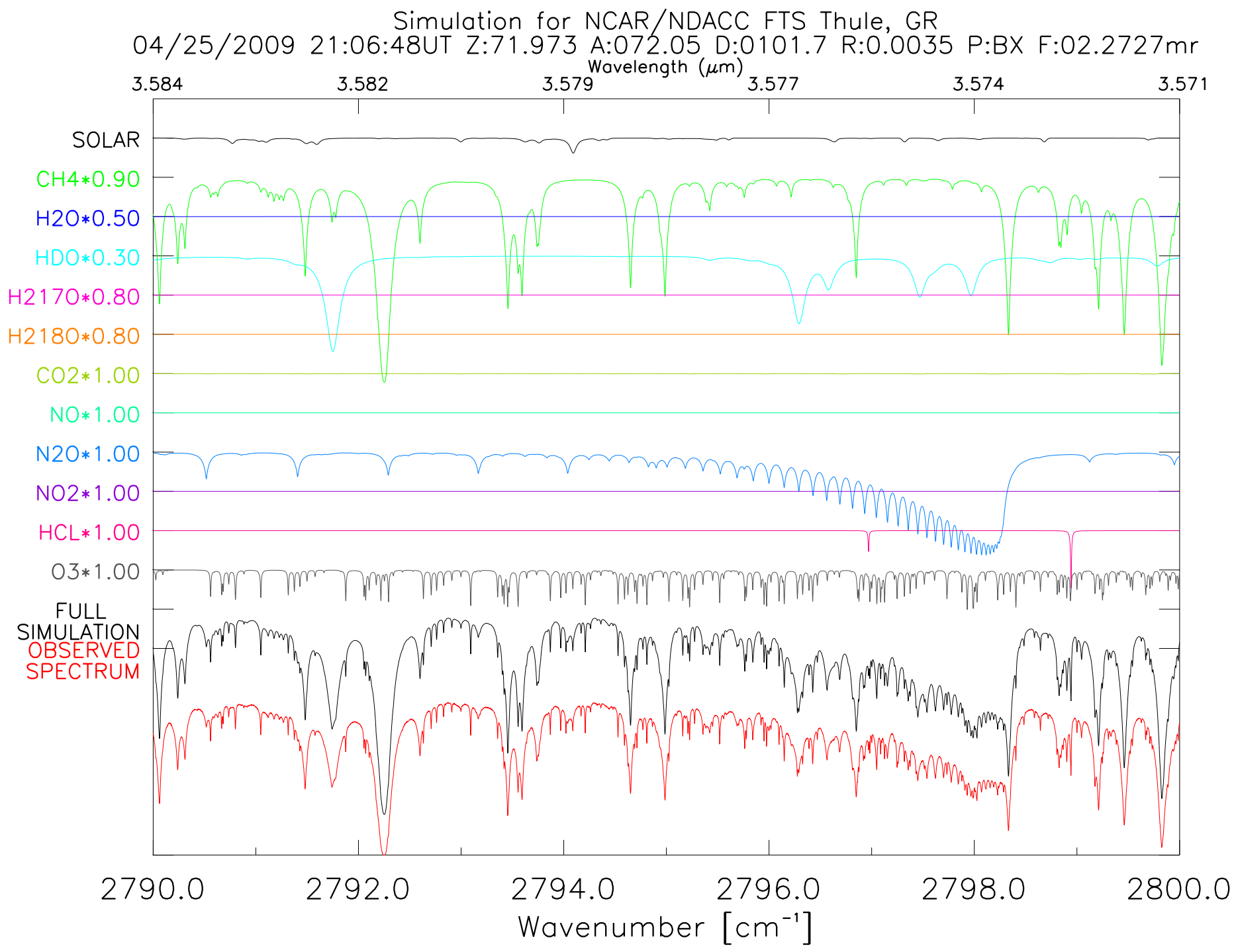
Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr

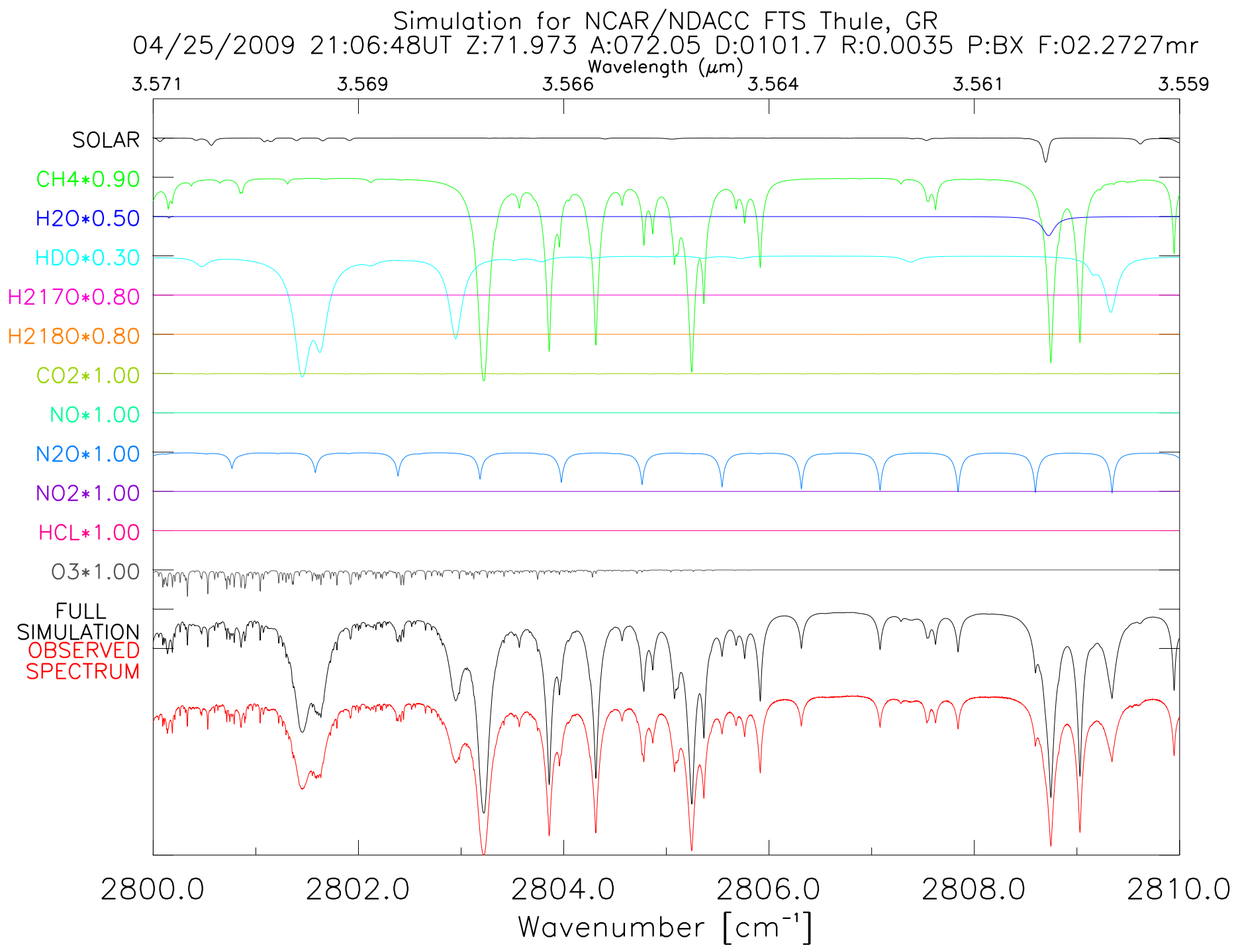


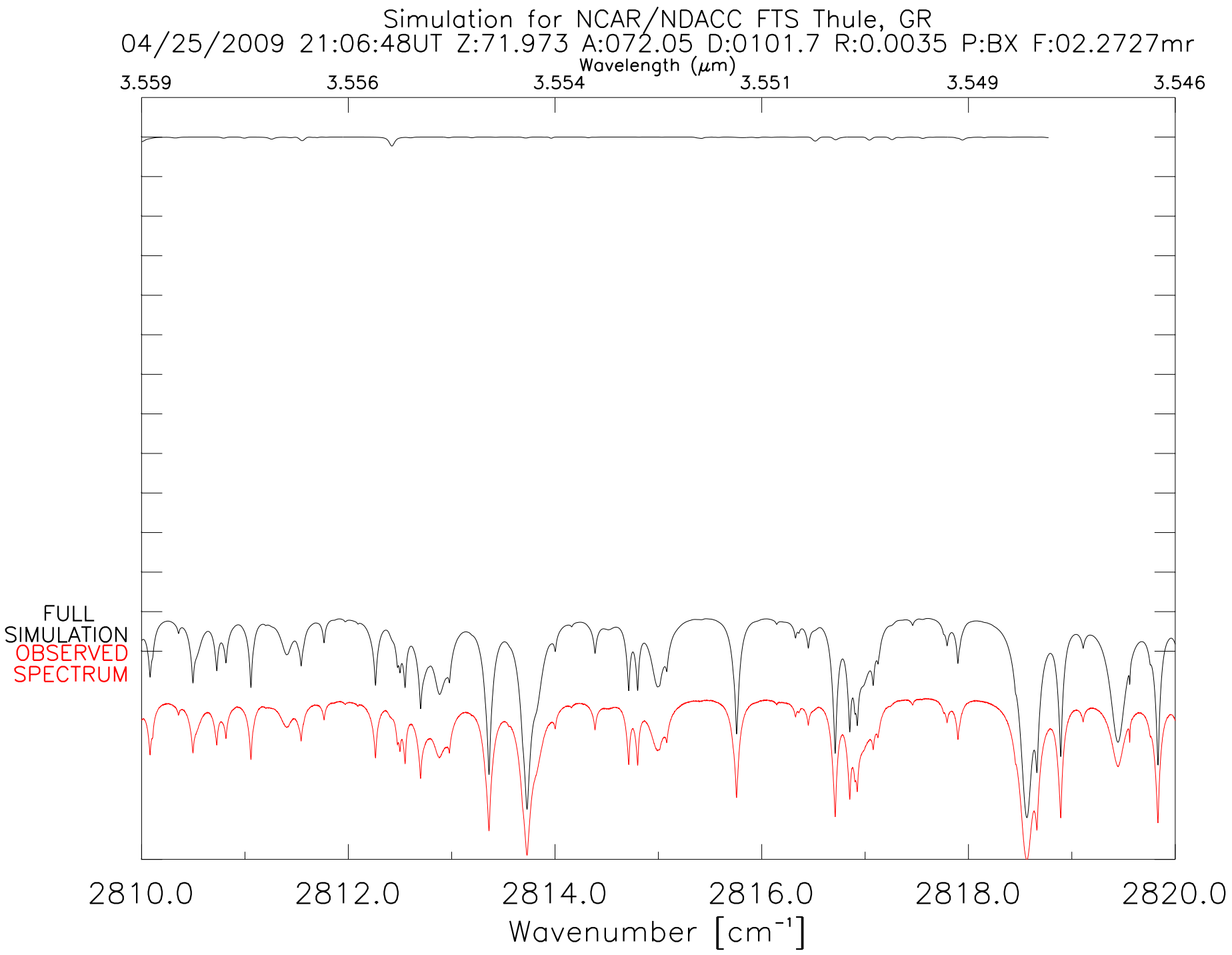

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.623
3.621
3.618
3.615
3.613
3.610
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2760.0
2762.0
2764.0
2766.0
2768.0
2770.0
Wavenumber [cm⁻¹]

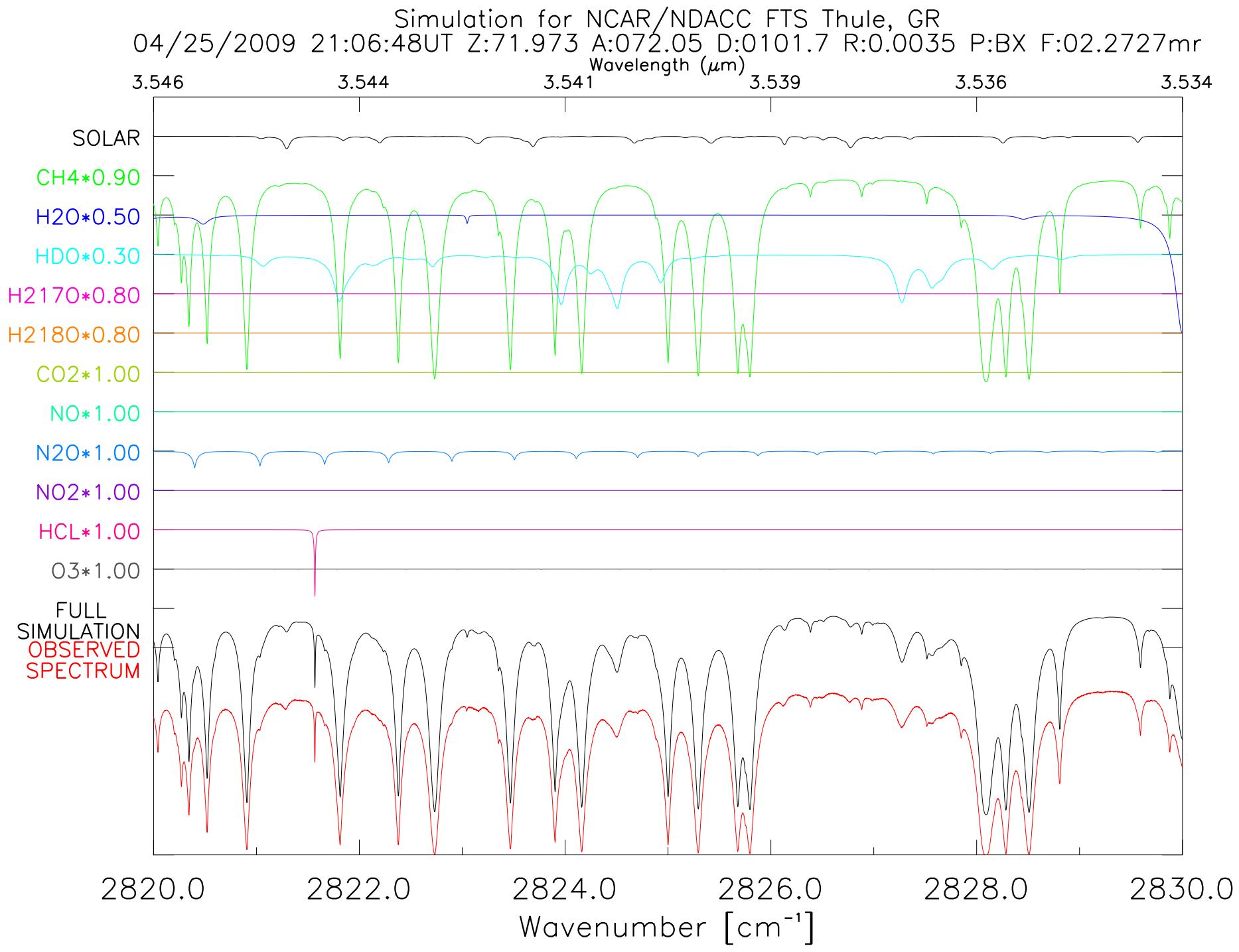

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.610
3.608
3.605
3.602
3.600
3.597
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2770.0
2772.0
2774.0
2776.0
2778.0
2780.0
Wavenumber [cm⁻¹]

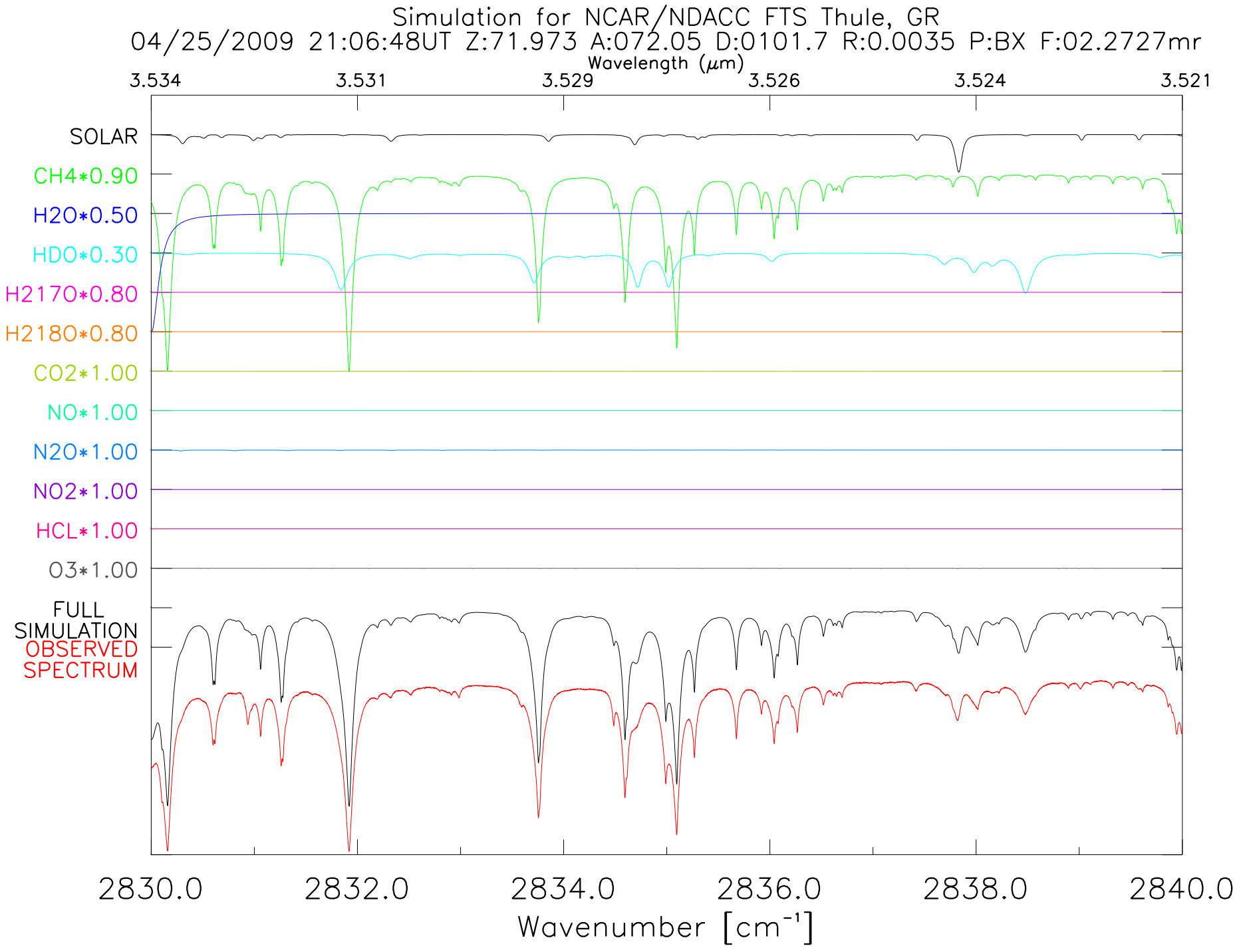

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.597
3.595
3.592
3.589
3.587
3.584
2780.0
2782.0
2784.0
2786.0
2788.0
2790.0
Wavenumber [cm⁻¹]

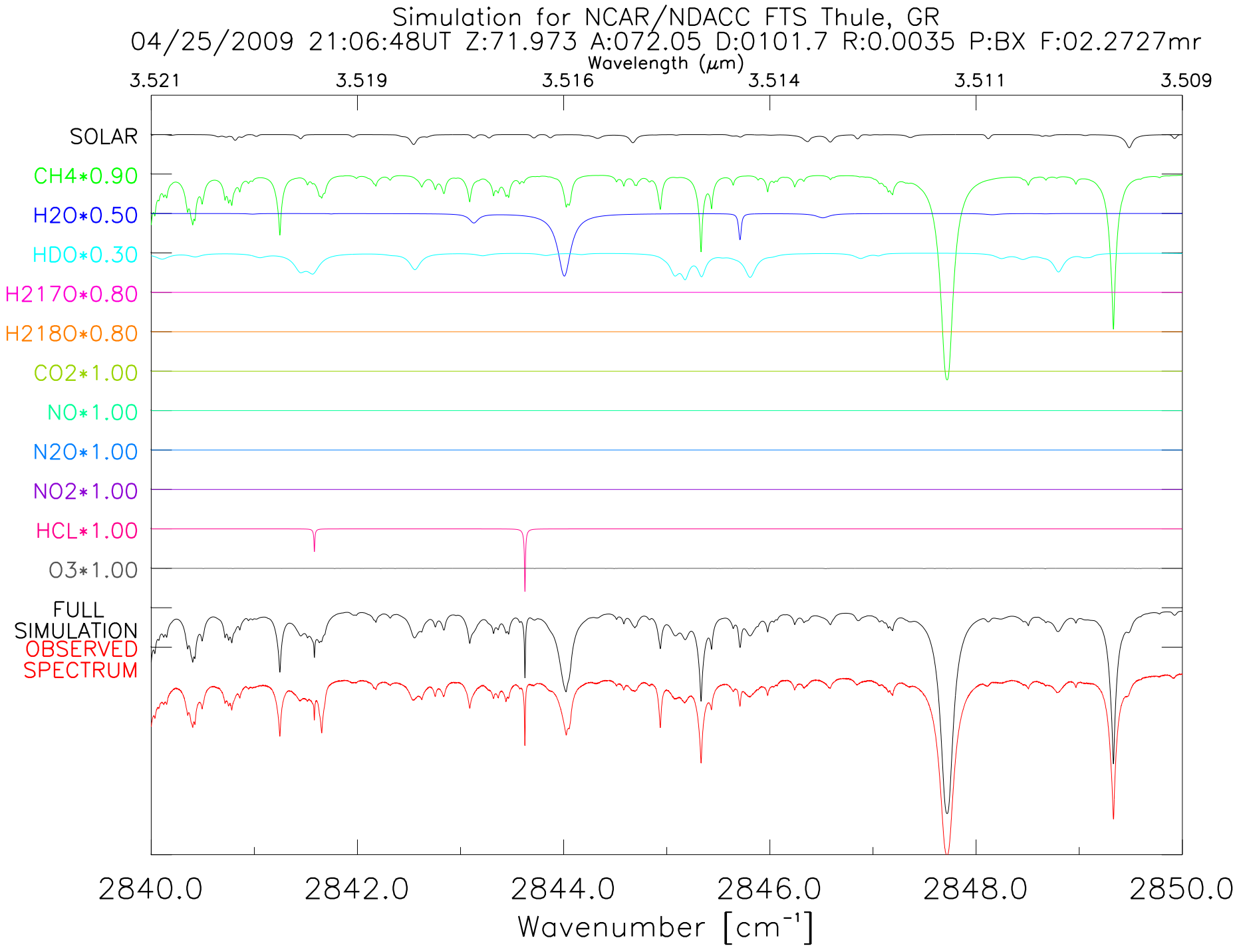

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.584
3.582
3.579
3.577
3.574
3.571
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2790.0
2792.0
2794.0
2796.0
2798.0
2800.0
Wavenumber [cm⁻¹]

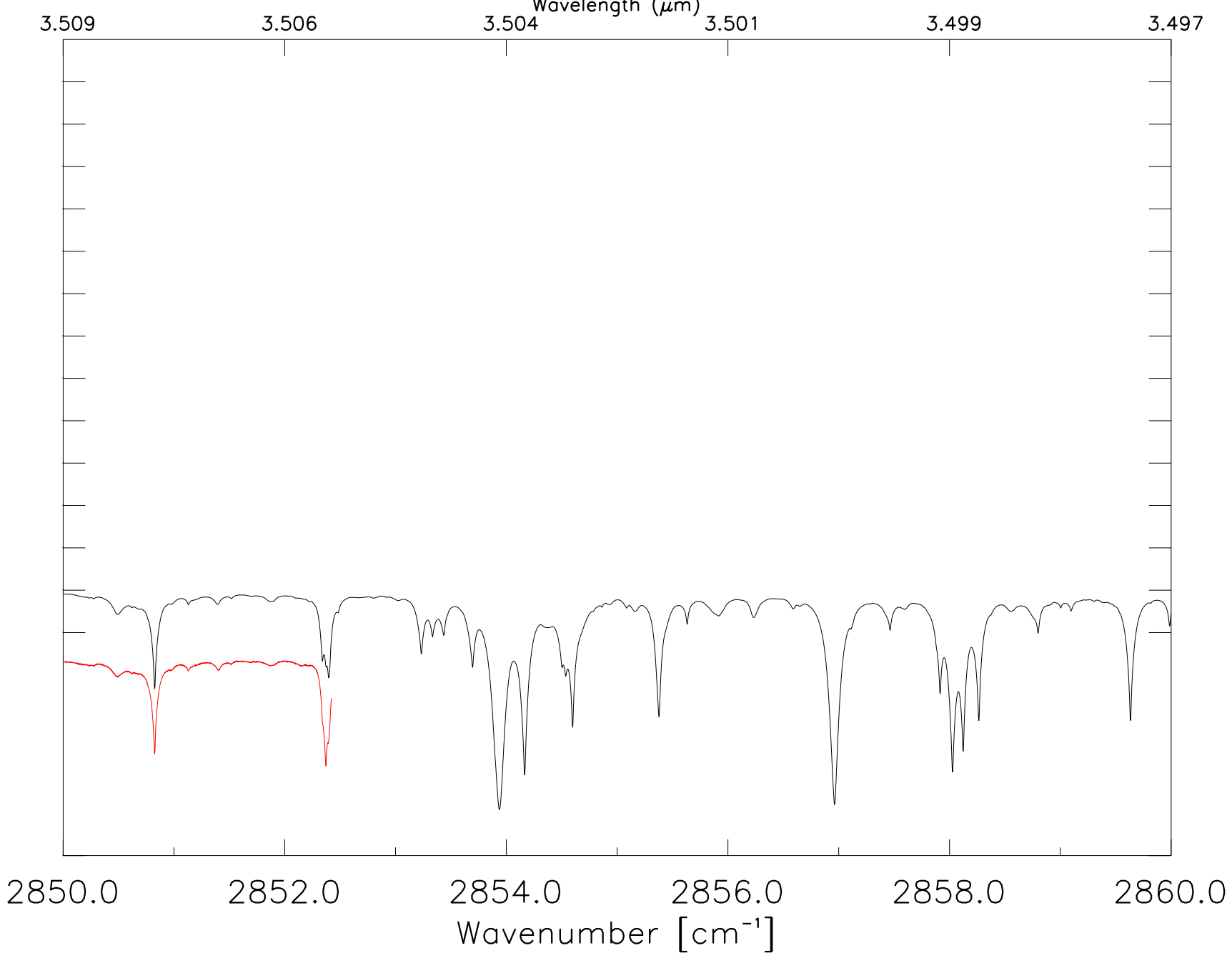

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.571
3.569
3.566
3.564
3.561
3.559
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2800.0
2802.0
2804.0
2806.0
2808.0
2810.0
Wavenumber [cm⁻¹]

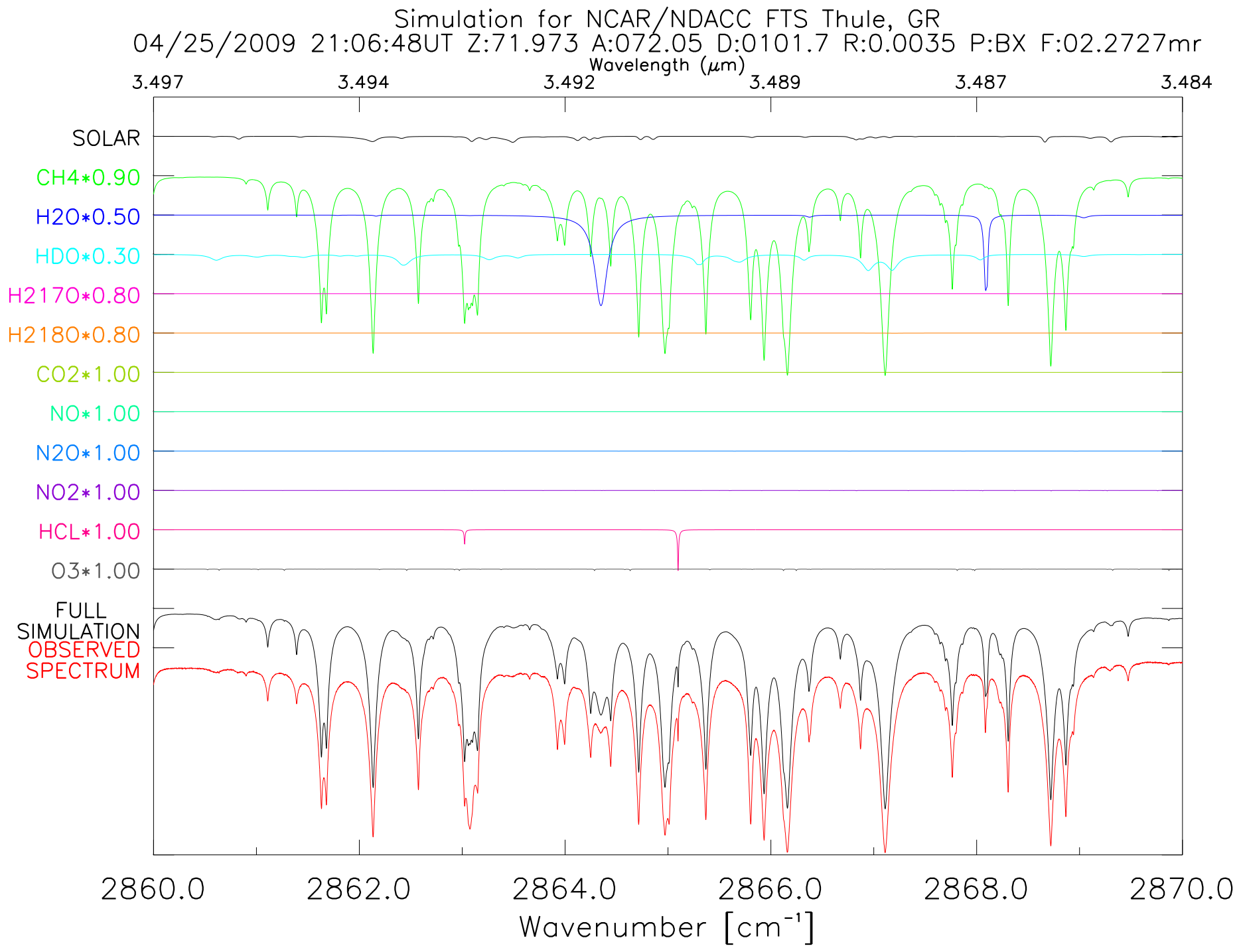

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.559
3.556
3.554
3.551
3.549
3.546
FULL SIMULATION
OBSERVED SPECTRUM
2810.0
2812.0
2814.0
2816.0
2818.0
2820.0
Wavenumber [cm⁻¹]

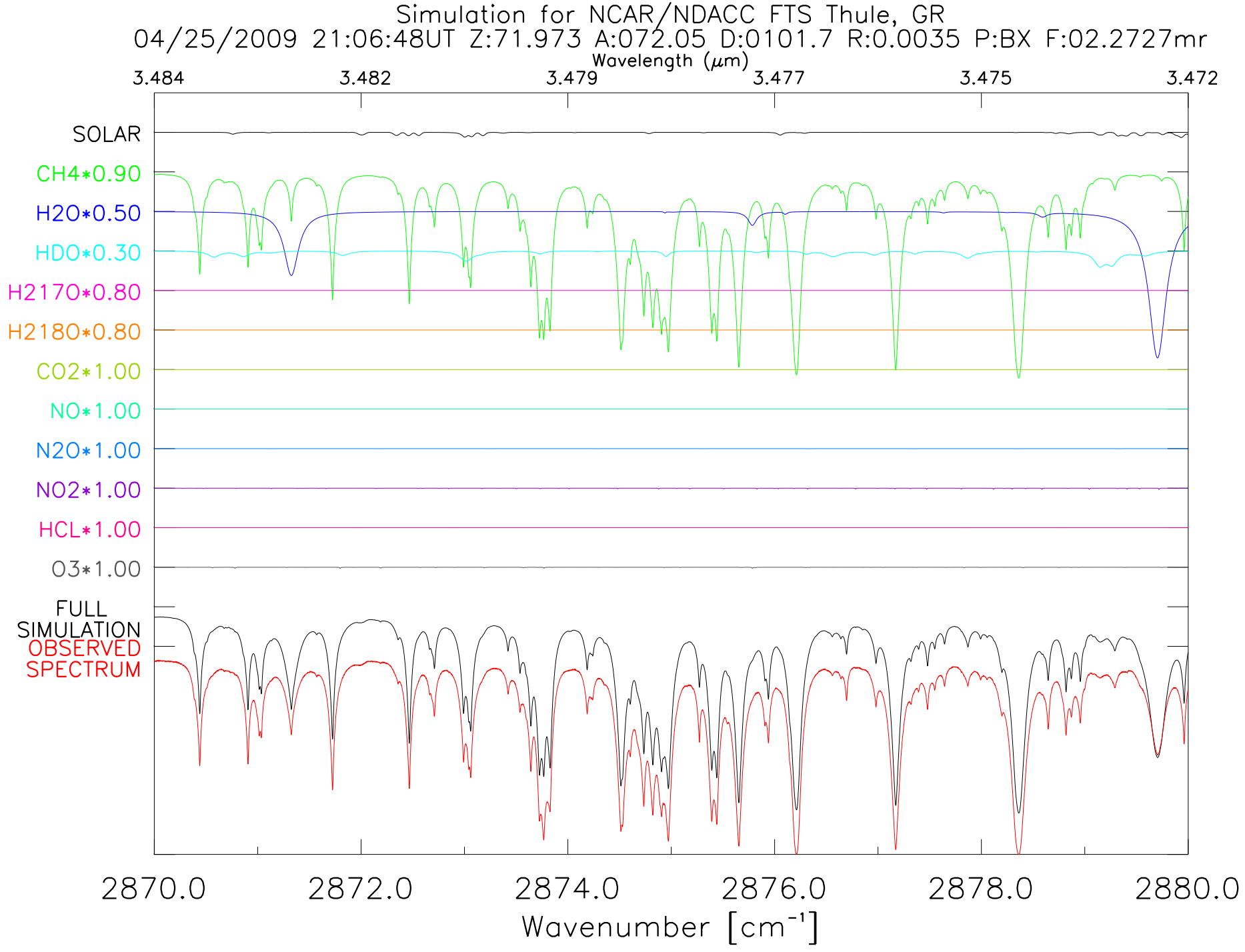

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.546
3.544
3.541
3.539
3.536
3.534
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2820.0
2822.0
2824.0
2826.0
2828.0
2830.0
Wavenumber [cm⁻¹]

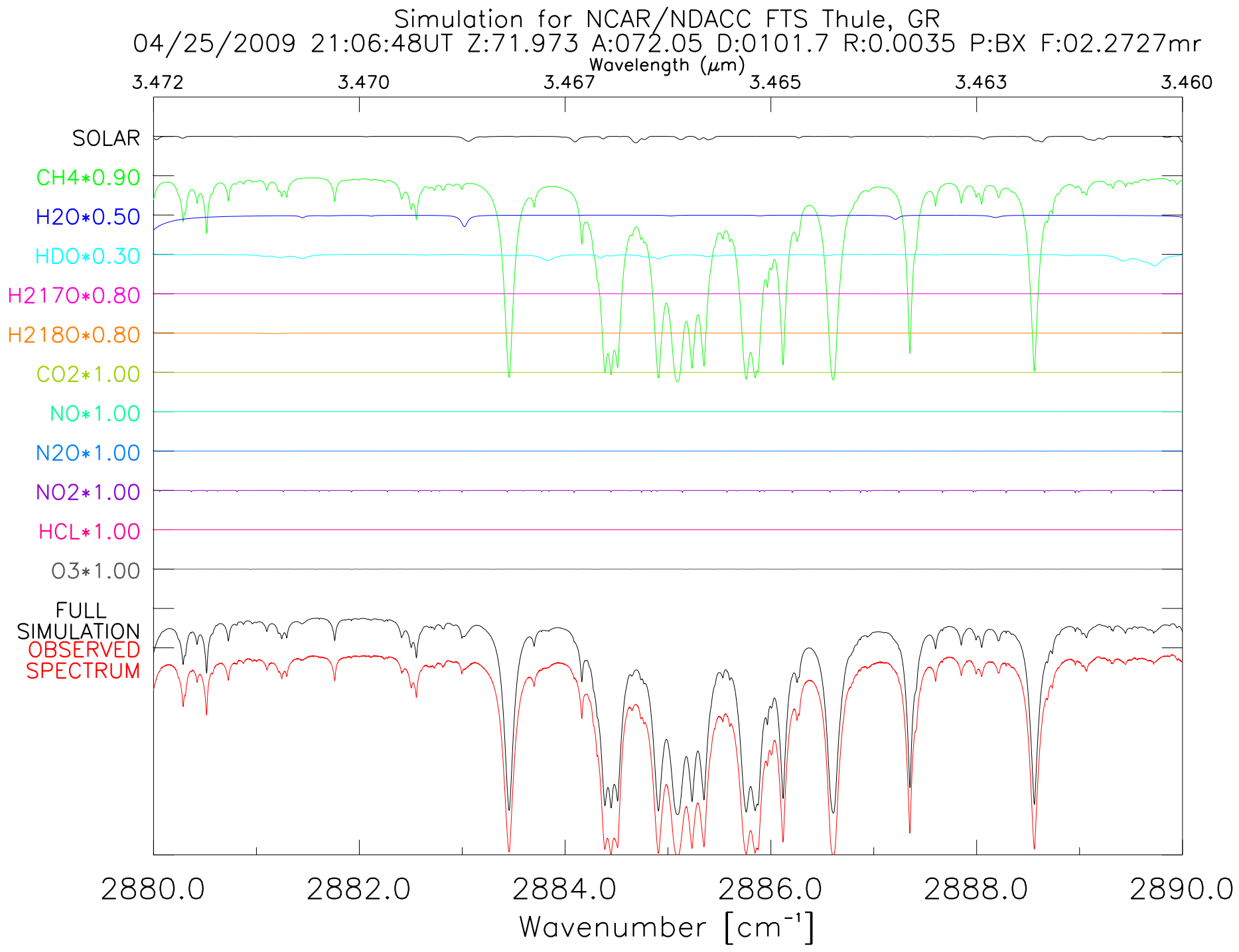

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.534
3.531
3.529
3.526
3.524
3.521
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2830.0
2832.0
2834.0
2836.0
2838.0
2840.0
Wavenumber [cm⁻¹]

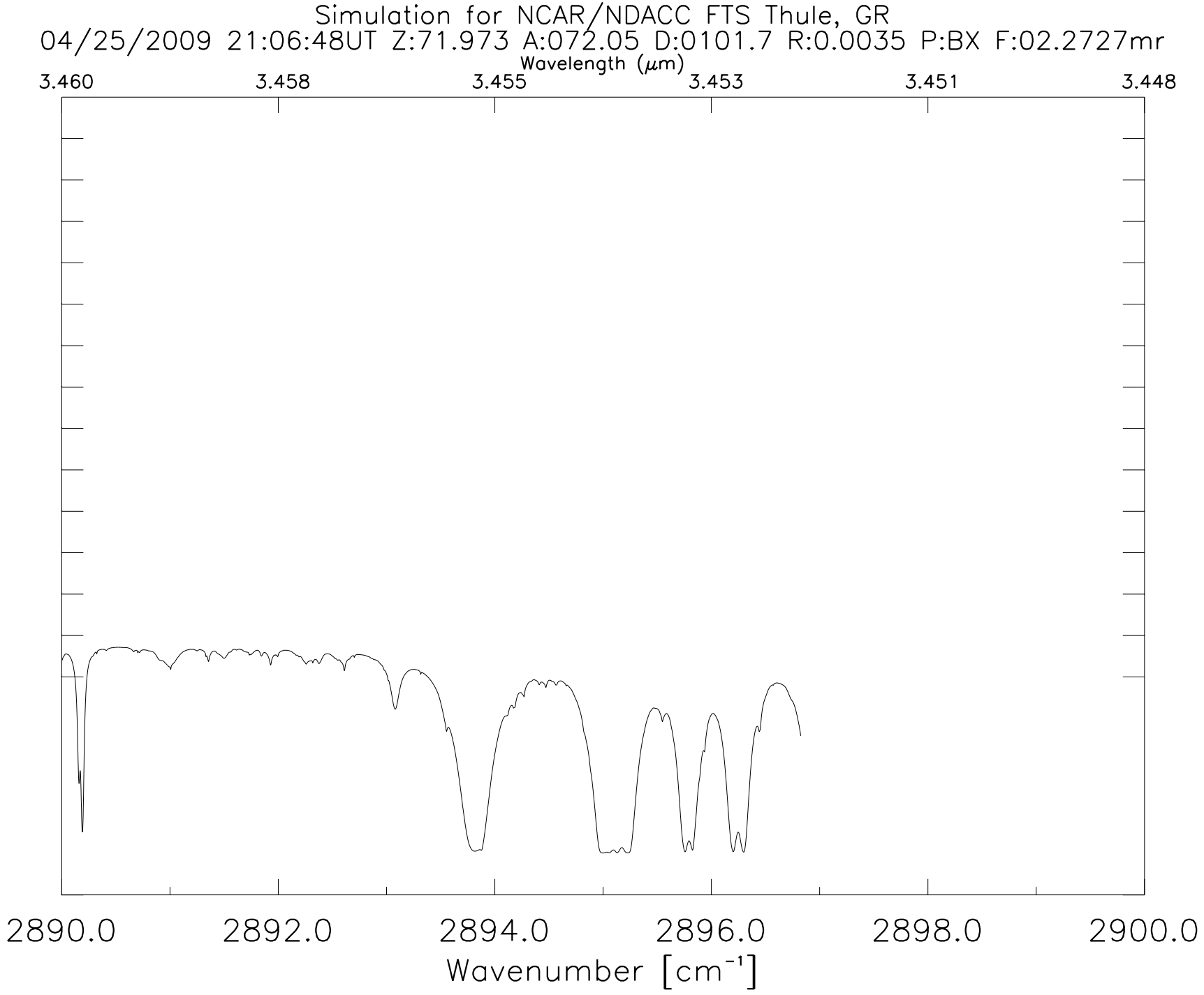

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.521
3.519
3.516
3.514
3.511
3.509
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2840.0
2842.0
2844.0
2846.0
2848.0
2850.0
Wavenumber [cm⁻¹]

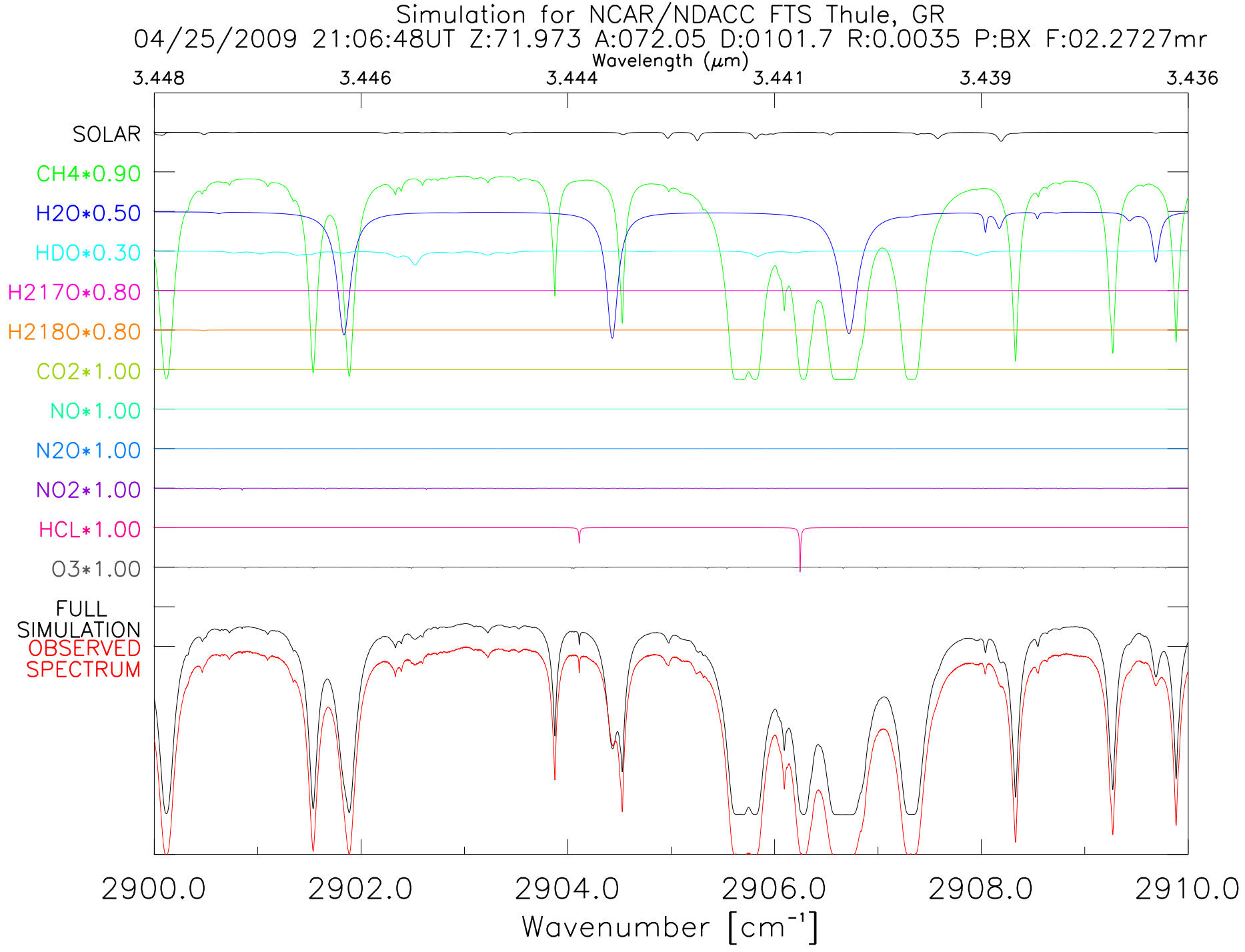

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.509
3.506
3.504
3.501
3.499
3.497
2850.0
2852.0
2854.0
2856.0
2858.0
2860.0
Wavenumber [cm⁻¹]

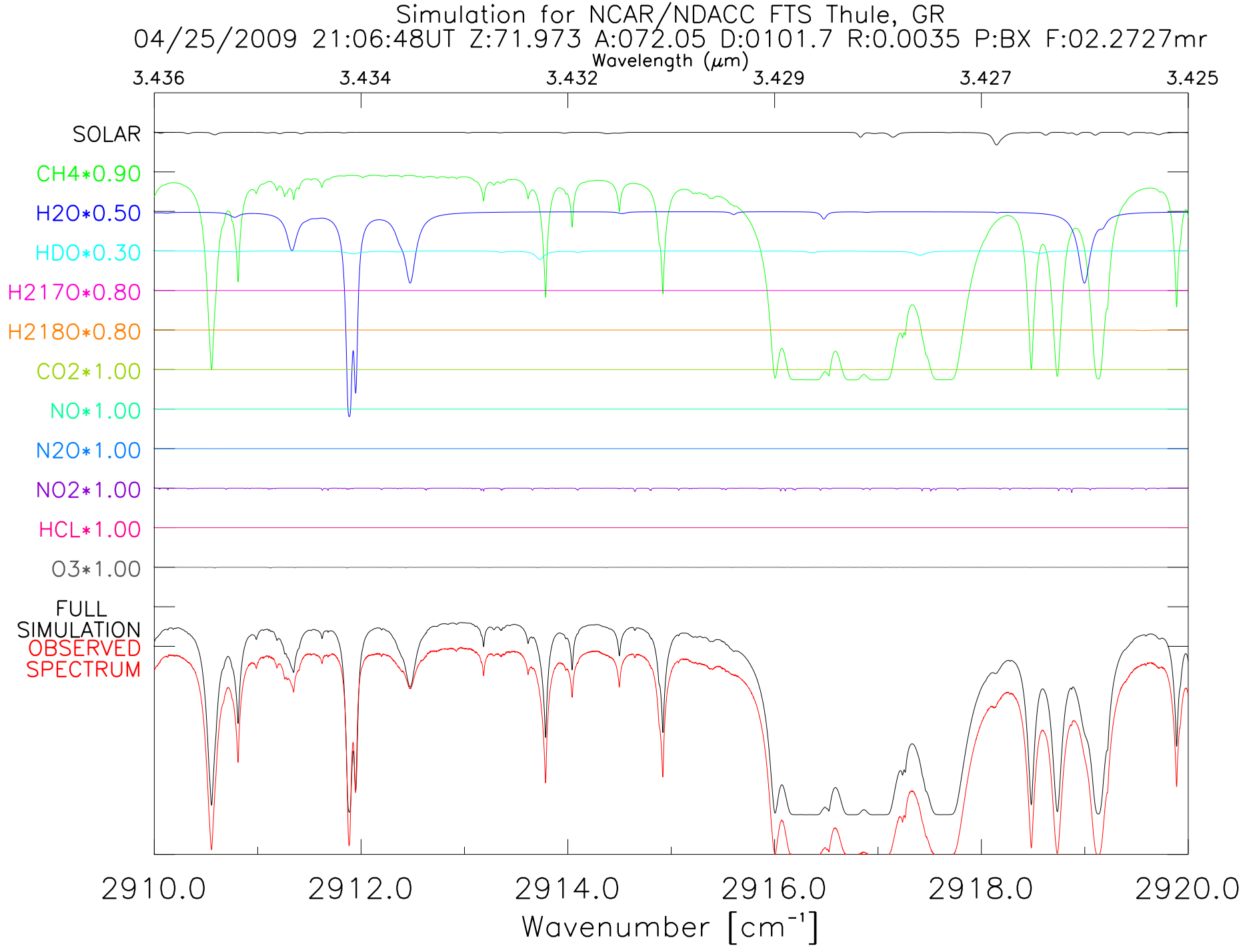

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.497
3.494
3.492
3.489
3.487
3.484
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2860.0
2862.0
2864.0
2866.0
2868.0
2870.0
Wavenumber [cm⁻¹]

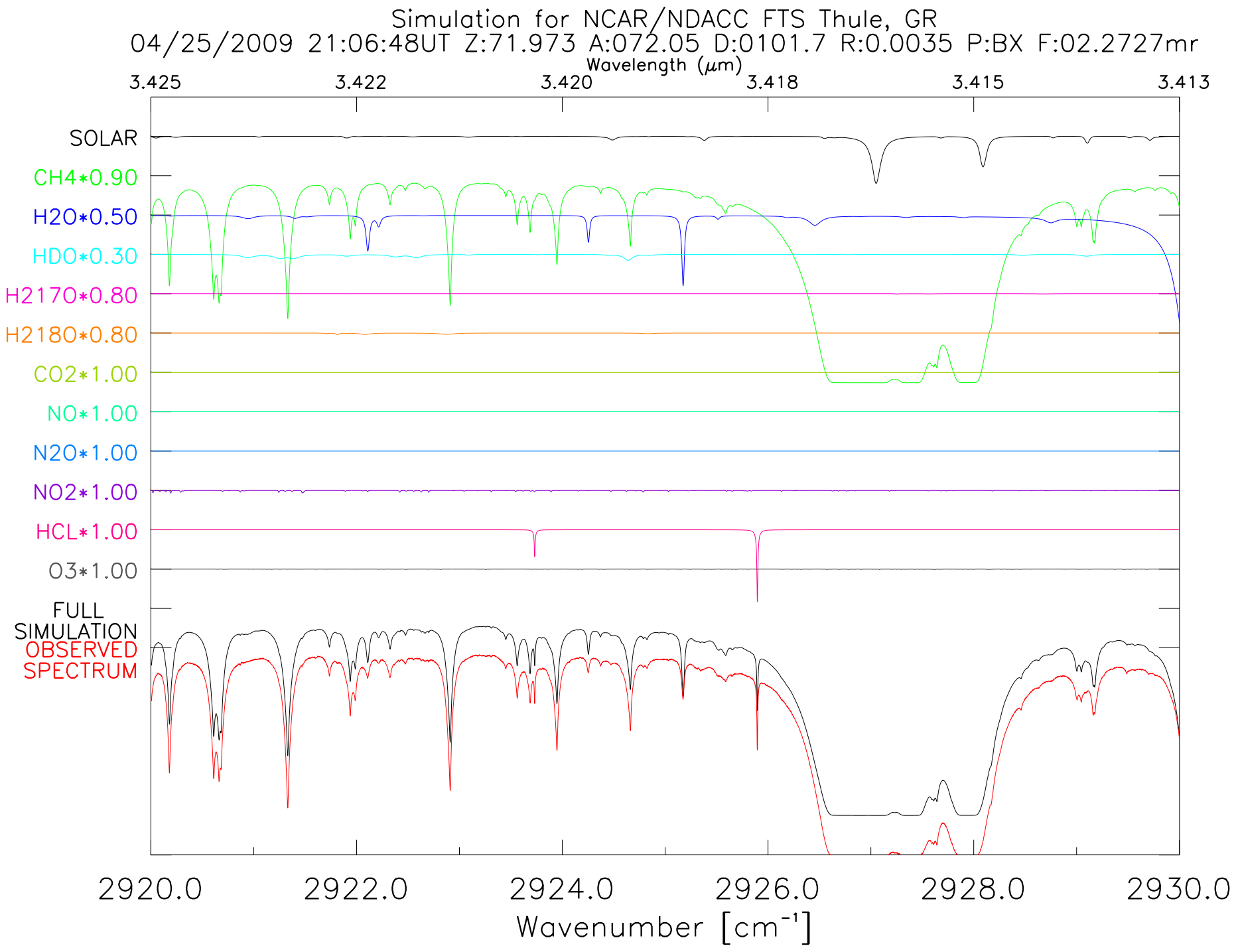

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.484
3.482
3.479
3.477
3.475
3.472
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2870.0
2872.0
2874.0
2876.0
2878.0
2880.0
Wavenumber [cm⁻¹]


Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.472
3.470
3.467
3.465
3.463
3.460
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2880.0
2882.0
2884.0
2886.0
2888.0
2890.0
Wavenumber [cm⁻¹]

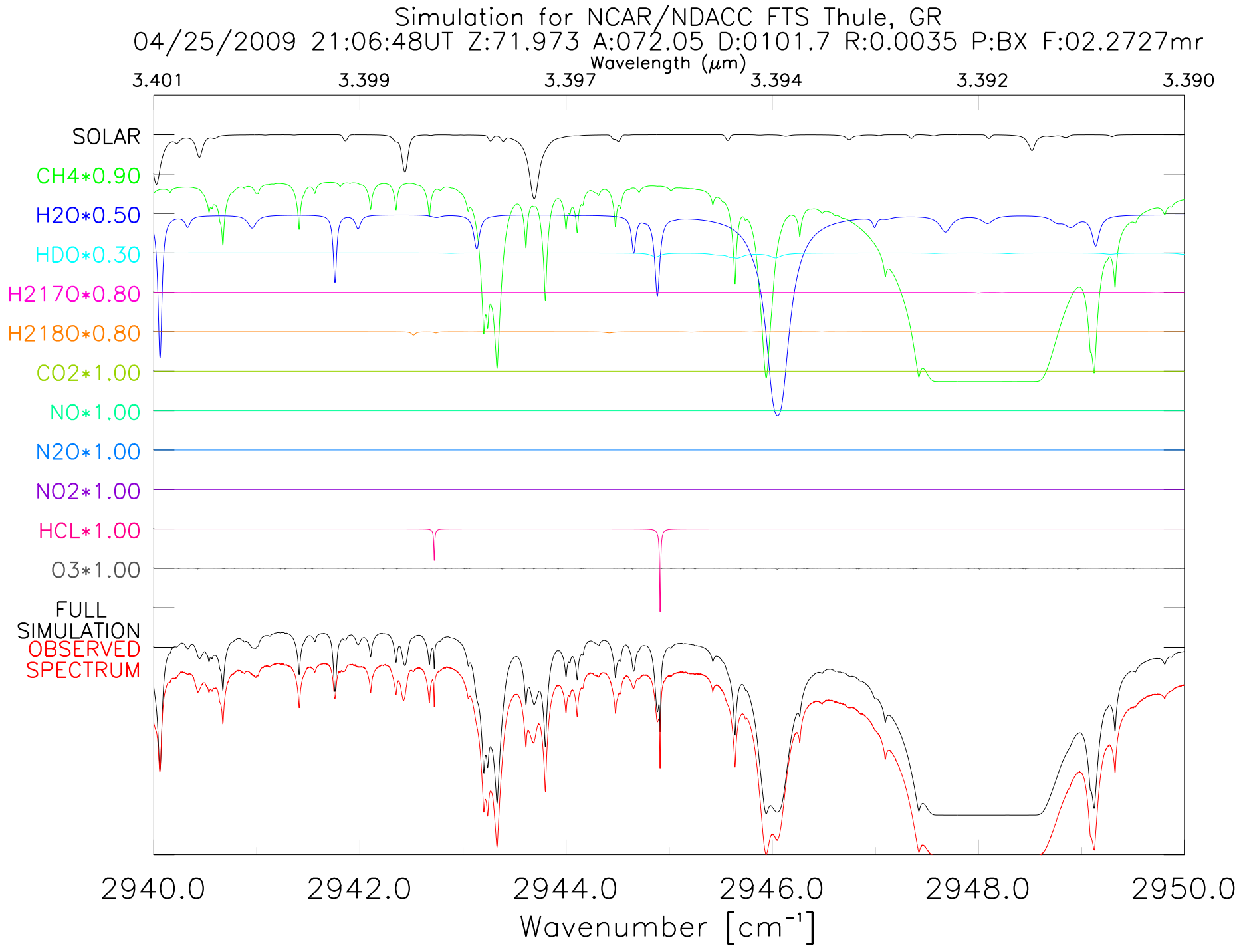

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.460
3.458
3.455
3.453
3.451
3.448
2890.0
2892.0
2894.0
2896.0
2898.0
2900.0
Wavenumber [cm⁻¹]

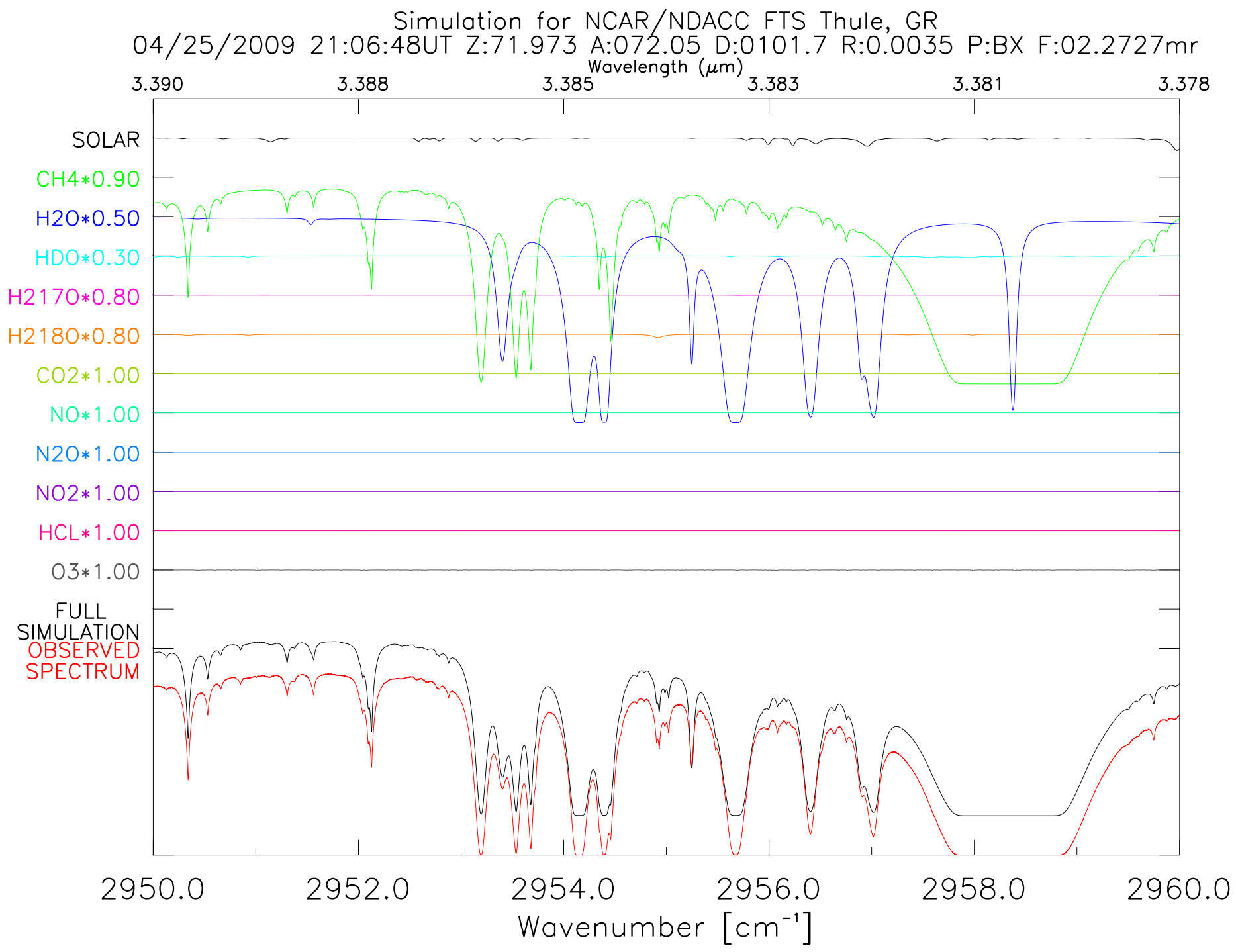

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.448
3.446
3.444
3.441
3.439
3.436
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2900.0
2902.0
2904.0
2906.0
2908.0
2910.0
Wavenumber [cm⁻¹]

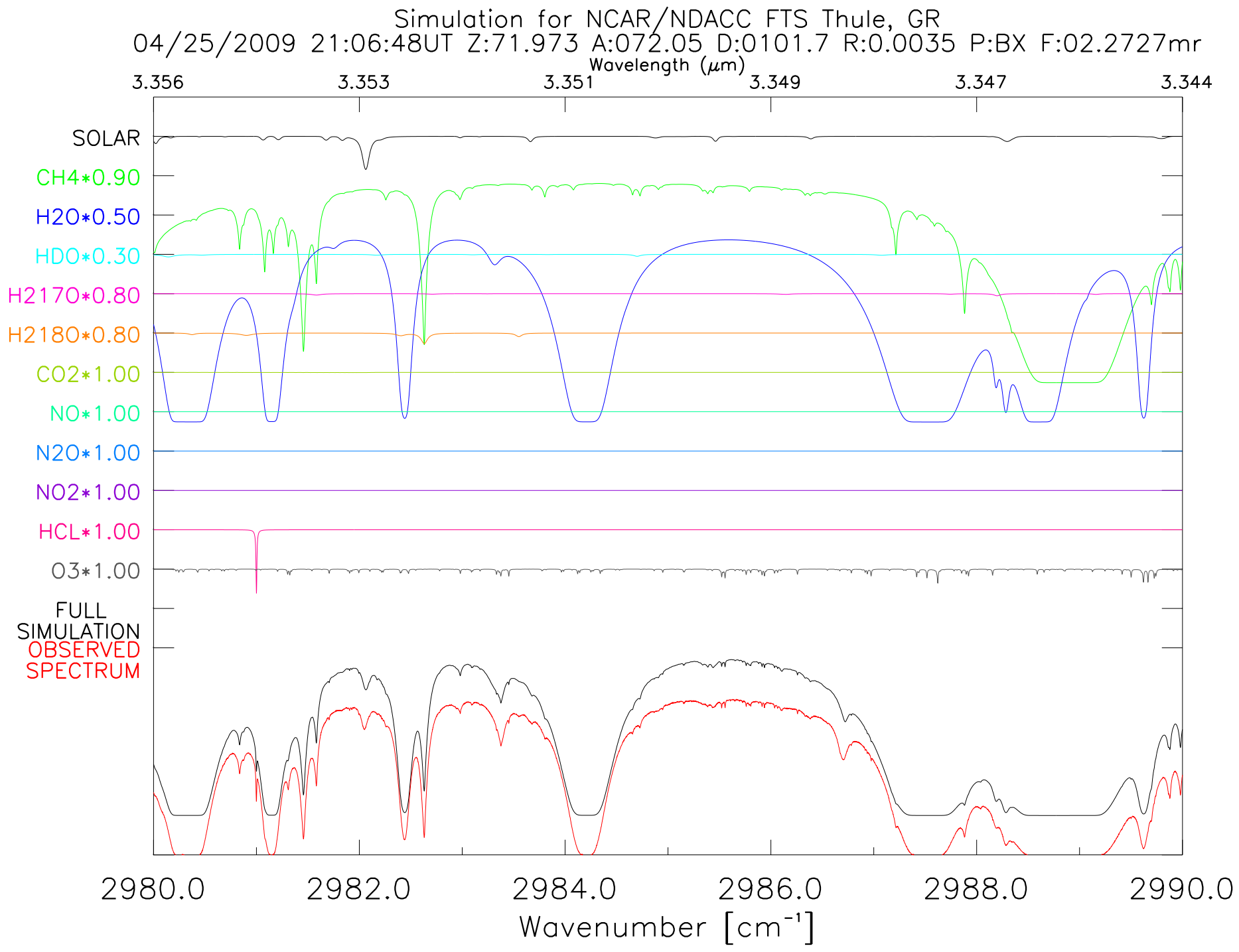

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.436
3.434
3.432
3.429
3.427
3.425
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2910.0
2912.0
2914.0
2916.0
2918.0
2920.0
Wavenumber [cm⁻¹]

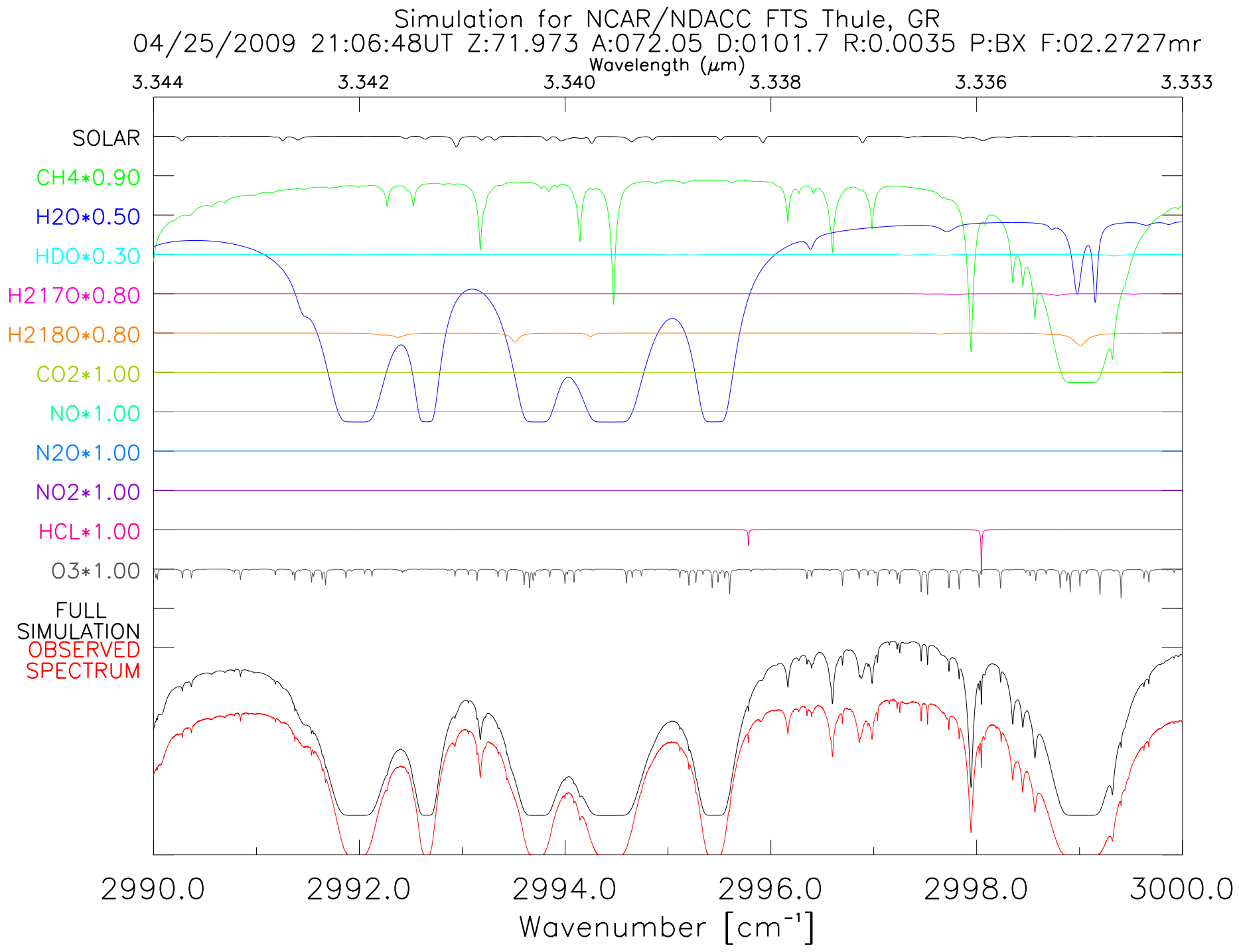

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.425
3.422
3.420
3.418
3.415
3.413
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2920.0
2922.0
2924.0
2926.0
2928.0
2930.0
Wavenumber [cm⁻¹]

Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
2930.0


Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.401
3.399
3.397
3.394
3.392
3.390
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2940.0
2942.0
2944.0
2946.0
2948.0
2950.0
Wavenumber [cm⁻¹]


Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.390
3.388
3.385
3.383
3.381
3.378
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2950.0
2952.0
2954.0
2956.0
2958.0
2960.0
Wavenumber [cm⁻¹]


Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.356
3.353
3.351
3.349
3.347
3.344
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2980.0
2982.0
2984.0
2986.0
2988.0
2990.0
Wavenumber [cm⁻¹]


Simulation for NCAR/NDACC FTS Thule, GR
04/25/2009 21:06:48UT Z:71.973 A:072.05 D:0101.7 R:0.0035 P:BX F:02.2727mr
Wavelength (μm)
3.344
3.342
3.340
3.338
3.336
3.333
SOLAR
CH4*0.90
H2O*0.50
HDO*0.30
H2170*0.80
H2180*0.80
CO2*1.00
NO*1.00
N2O*1.00
NO2*1.00
HCL*1.00
O3*1.00
FULL SIMULATION
OBSERVED SPECTRUM
2990.0
2992.0
2994.0
2996.0
2998.0
3000.0
Wavenumber [cm⁻¹]