

```
; Streamer v3 input file from the HTML interface.
OPTIONS
.TRUE.
.FALSE.
.TRUE.
2 2
24
.TRUE.
.TRUE.
1
4
3 .TRUE.
2 1
1 1 1 1 1 1 1
4
.TRUE.
Output1.out
.FALSE.
dummyname

.FALSE.

CASE
CLEAR SKY ONLY
2002 3 2 8.0 37.37 119.0 0

0.4 0.9
0.75 1 5 1.0
999.0 0.99
0
0
2 2 2 2 2 2 0 1.0 1.0 1.0 1.0 1.0 1.0
0
```

Streamer, v3.0b8 (beta test)

Input File: inp4.inp

INITIAL OPTIONS (later changes will not be noted):
 Number of Streams, Shortwave: 2, Longwave: 2
 Gaseous absorption included.
 Rayleigh scattering included.
 Default profile: Mid-latitude winter
 Default aerosol optical model: Rural
 Default aerosol vertical profile: Background trop. and strat.
 No spectral (band) weighting.
 Using internal cloud optical properties.
 No surface BRDF used.

+++++
 Case Number in Input File: 1
 CLEAR SKY ONLY
 Band number range: 116 - 125
 Spectral Interval: 10000 1/cm (1.00 um) to 25000 1/cm (.40 um)
 Year: 2002, Month: 3, Day: 2, Hour: 8.00
 Lat: 37.370, Lon: 119.000, Zenith Angle (degrees): .00

Unscaled Atmospheric Profiles (25 Levels)							
Height(km)	Press(mb)	T(K)	H2O(g/m ³)	RH(%)	O3(g/m ³)	Aer(km ⁻¹)	
1	100.00	.00	211.10	.000000	.00	.0000000	.000000
2	70.00	.05	230.90	.000000	.00	.0000001	.000000
3	50.00	.68	265.60	.000004	.00	.0000043	.000001
4	45.00	1.29	258.90	.000007	.00	.0000130	.000002
5	40.00	2.53	244.00	.000015	.00	.0000410	.000005
6	35.00	5.18	227.90	.000032	.03	.0000920	.000010
7	30.00	11.10	217.30	.000071	.23	.0001900	.000041
8	25.00	24.30	215.40	.000157	.62	.0003400	.000081
9	20.00	53.70	215.20	.000304	1.24	.0004500	.000366
10	15.00	117.80	217.20	.000764	2.45	.0003400	.000245
11	14.00	137.80	217.70	.001130	3.42	.0003200	.000275
12	13.00	161.00	218.20	.001720	4.91	.0003000	.000321
13	12.00	188.20	218.70	.002720	7.33	.0002600	.000398
14	11.00	219.90	219.20	.004440	11.29	.0002100	.000496
15	10.00	256.80	220.60	.007500	16.26	.0001600	.000708
16	9.00	299.20	225.60	.016000	19.97	.0001200	.001131
17	8.00	347.30	231.60	.035000	23.36	.0000900	.002094
18	7.00	401.60	237.60	.085700	31.71	.0000770	.003871
19	6.00	462.70	243.60	.189000	40.10	.0000640	.004790
20	5.00	531.30	249.60	.378000	47.44	.0000580	.005784
21	4.00	608.10	255.70	.690000	52.27	.0000490	.006337
22	3.00	693.80	261.20	1.160000	57.07	.0000490	.009071
23	2.00	789.70	265.20	1.800000	65.54	.0000490	.016154
24	1.00	897.30	268.70	2.500000	70.56	.0000540	.025784
25	.00	1018.00	272.20	3.500000	77.15	.0000600	.000000

Total Column Amounts (scaled) -
 Water Vapor: 8626.48 g/m²
 Ozone: 8.60 g/m²
 Aerosol Optical Depth: .08 (unitless)
 Scaling Factors - w.v., O3, haze RH, CO2, O2, w.v. continuum:
 1.00 1.00 1.00 1.00 1.00 1.00
 cloud/clear types (models) in scene (101=clear): 101

SURFACE CHARACTERISTICS:

Clear Sky Fraction: 1.00

Surface Type Fractions -

Sea water: .00, Freshwater: .00, Meltponds: .00, Melting snow: .00

Fresh snow: 1.00, Bare Ice: .00, Dry Sand: .00, Vegetation: .00

Grass: .00, Dry grass: .00, Deciduous: .00, Coniferous: .00

Broadband All-sky Surface Albedo, by type:

101: .792

Broadband All-sky Surface Albedo: .792

ALL-SKY FLUXES (W/m²), CLOUD RADIATIVE EFFECT (W/m²), HEATING RATE (degrees K/day):

	DirSW Down	DiffSW Down	TotalSW Down	LW Down	DiffSW Up	LW Up	NET	Heating Rate
--								
1	858.10	.00	858.10	.00	628.74	.00	229.36	1.113
2	858.08	.01	858.09	.00	628.74	.00	229.35	.097
3	858.01	.10	858.10	.00	628.75	.00	229.35	.135
4	857.95	.16	858.11	.00	628.77	.00	229.34	.259
5	857.82	.29	858.11	.00	628.81	.00	229.30	.390
6	857.53	.57	858.09	.00	628.92	.00	229.17	.509
7	856.84	1.18	858.02	.00	629.20	.00	228.81	.598
8	855.16	2.63	857.80	.00	629.93	.00	227.87	.548
9	851.58	5.78	857.36	.00	631.41	.00	225.94	.377
10	843.65	13.52	857.17	.00	634.11	.00	223.06	.259
11	841.65	15.50	857.15	.00	634.70	.00	222.45	.233
12	839.36	17.79	857.15	.00	635.35	.00	221.81	.204
13	836.75	20.44	857.19	.00	636.04	.00	221.15	.175
14	833.74	23.55	857.29	.00	636.80	.00	220.49	.150
15	830.27	27.17	857.44	.00	637.61	.00	219.83	.138
16	826.22	31.42	857.65	.00	638.51	.00	219.13	.147
17	821.35	36.53	857.88	.00	639.58	.00	218.29	.187
18	815.08	43.00	858.08	.00	640.99	.00	217.09	.254
19	806.62	51.63	858.24	.00	643.00	.00	215.24	.309
20	796.57	61.55	858.12	.00	645.40	.00	212.72	.375
21	784.77	72.82	857.59	.00	648.29	.00	209.31	.435
22	771.53	85.01	856.55	.00	651.66	.00	204.88	.533
23	755.16	100.03	855.18	.00	656.36	.00	198.82	.674
24	732.71	121.41	854.12	.00	663.90	.00	190.22	.871
25	703.03	150.63	853.66	.00	675.91	.00	177.75	.000

Cloud Radiative Effect - Level: 1, Shortwave: .0, Longwave: .0
 Cloud Radiative Effect - Level: 25, Shortwave: .0, Longwave: .0



