

**AEDC-TR-69-89**

**VOLUME I**

**Unclassified**



**TABLES OF EQUILIBRIUM THERMODYNAMIC  
PROPERTIES OF AIR  
VOLUME I. CONSTANT TEMPERATURE**

**Herbert S. Brahinsky and Charles A. Neel**

**ARO, Inc.**

**April 1969**

This document has been approved for public release  
and sale; its distribution is unlimited.



DOC\_NTM  
UNC29254-PDC  
SER  
A  
CN  
1

**VON KÁRMÁN GAS DYNAMICS FACILITY  
ARNOLD ENGINEERING DEVELOPMENT CENTER  
AIR FORCE SYSTEMS COMMAND  
ARNOLD AIR FORCE STATION, TENNESSEE**

**Unclassified**

# ***NOTICES***

When U. S. Government drawings specifications, or other data are used for any purpose other than a definitely related Government procurement operation, the Government thereby incurs no responsibility nor any obligation whatsoever, and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication or otherwise, or in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

Qualified users may obtain copies of this report from the Defense Documentation Center.

References to named commercial products in this report are not to be considered in any sense as an endorsement of the product by the United States Air Force or the Government.

TABLES OF EQUILIBRIUM THERMODYNAMIC  
PROPERTIES OF AIR  
VOLUME I. CONSTANT TEMPERATURE

Herbert S. Brahinsky and Charles A. Neel  
ARO, Inc.

This document has been approved for public release  
and sale; its distribution is unlimited.

## FOREWORD

The work reported herein was sponsored by Headquarters, Arnold Engineering Development Center (AEDC), Air Force Systems Command (AFSC), under Program Element 63101F.

The tabulations were made by ARO, Inc. (a subsidiary of Sverdrup & Parcel and Associates, Inc.), contract operator of AEDC under Contract F40600-69-C-0001. They were made between January 1966 and January 1968 under ARO Project No. VJ3921, and the manuscript was submitted for publication on March 14, 1969.

This technical report has been reviewed and is approved.

Elmer E. Goins  
Captain, USAF  
Technical Facility  
Development Division  
Directorate of Plans  
and Technology

Edward R. Feicht  
Colonel, USAF  
Director of Plans  
and Technology

## ABSTRACT

Equilibrium thermodynamic data are presented for air from a temperature of 100 to 15,000°K and from a  $\log \rho$  of -7.0 to 3.0, where  $\rho$  is density in amagats. These data are tabulated at constant temperature with density incremented. The dependent parameters are  $Z$ ,  $E/RT$ ,  $H/RT$ ,  $S/R$ ,  $\log P$ , and  $Z^*$ . Several sources were used in assembling the data.

## CONTENTS

	<u>Page</u>
ABSTRACT . . . . .	iii
NOMENCLATURE . . . . .	v
CONSTANTS FOR USE WITH AIR TABLES . . . . .	vi
DISCUSSION. . . . .	vii
REFERENCES. . . . .	viii

## TABLE I

THERMODYNAMIC DATA AT CONSTANT TEMPERATURE FOR AIR . . . . .	ix
--	----

## NOMENCLATURE

A	Speed of sound
AA	Speed of sound at 273.15°K and 1 atm (from $\sqrt{\gamma RT}$ )
$C_p$	Specific heat at constant pressure
$C_v$	Specific heat at constant volume
E	Internal energy
H	Enthalpy
ln	Logarithm to base e
log	Logarithm to base 10
P	Pressure, atm
$P_0$	Reference pressure, 1 atm
R	Gas constant
S/R	Dimensionless entropy
T	Temperature, °K
Z	Compressibility factor
$Z^*$	Total number of moles/mole at 273.15°K and 1 atm
$\gamma$	Ratio of specific heats
$\gamma_E$	Isentropic exponent ( $\partial \log P / \partial \log \rho)_S$ )
$\rho$	Density, amagats
$\rho_0$	Reference density, 1 amagat; the density of 1 atm of pressure and 273.15°K

## CONSTANTS FOR USE WITH AIR TABLES

$$T_0 = 273.15^\circ\text{K}$$

$$\text{Gravitational Constant} = 32.174 \text{ ft/sec}^2$$

$$1 \text{ Btu} = 778.158 \text{ ft-lb}$$

$$1 \text{ gm-cal} = 42,698.8 \text{ gm-cm}$$

$$1 \text{ gm/cm}^3 = 62.4283 \text{ lb/ft}^3$$

$$P_0 = 1.0 \text{ atm}$$

$$= 1.03323 \times 10^3 \text{ gm/cm}^2$$

$$= 14.6959 \text{ psi}$$

$$= 2116.22 \text{ psf}$$

$$= 760 \text{ mm Hg}$$

$$= 1.013246 \times 10^5 \text{ newtons/m}^2$$

$$\gamma = 1.4 \text{ for AA calculation}$$

$$AA = 1087.334 \text{ ft/sec}$$

$$= 331.419 \text{ m/sec}$$

$$\text{Molecular Weight} = 28.967$$

$$R = 1.98726 \text{ gm-cal/gm-mole }^\circ\text{K}$$
$$\text{of Btu/lb-mole }^\circ\text{R}$$

$$= 6.86043 \times 10^{-2} \text{ gm-cal/gm }^\circ\text{K}$$
$$\text{or Btu/lb }^\circ\text{R}$$

$$= 3091.694 \text{ ft}^2/\text{sec}^2 \text{ }^\circ\text{K}$$

$$= 1717.608 \text{ ft}^2/\text{sec}^2 \text{ }^\circ\text{R}$$

$$= 3.66099 \times 10^{-3} \text{ atm/amagat }^\circ\text{K}$$

$$\rho_0 = 1.0 \text{ amagat}$$

$$= 4.45848 \times 10^{-5} \text{ gm-mole/cm}^3$$

$$= 1.29149 \times 10^{-3} \text{ gm/cm}^3$$

$$= 8.06254 \times 10^{-2} \text{ lb/ft}^3$$

$$= 2.50592 \times 10^{-3} \text{ slugs/ft}^3$$

## DISCUSSION

Accurate thermodynamic data are of obvious importance for modern-day gasdynamic studies. In accordance with this philosophy, the Arnold Engineering Development Center has sponsored much of the work of the National Bureau of Standards (NBS) in producing and publishing the thermodynamic properties of several gases, an example of which is the AEDC report of Hilsenrath and Klein (Ref. 1) for air. In Ref. 1 the data are presented in tables of constant temperature with the independent variable being  $\log \rho$  and the dependent variables being  $Z$ ,  $E/RT$ ,  $H/RT$ ,  $S/R$ ,  $\log P$ , and  $Z^*$ . These data include dissociation, ionization, and second virial corrections. The data of Humphrey and Neel (Ref. 2), which are based in part on the work of Din (Ref. 3), are in the same format as the NBS data but cover the lower temperature range. The data of Grabau and Brahinsky (Ref. 4) extrapolated the existing data to high densities for the midrange of temperatures, and these data are also in the same format as the NBS data. However, it is desirable to have the above data in different formats from that normally found in most NBS reports, namely temperature versus density. For example, interpolations at constant pressure (Ref. 5) and constant entropy (Ref. 6) greatly simplify normal shock crossing and isentropic expansion calculations; interpolated speed of sound and specific heat data are also of great value. Hence, a project has been undertaken at the AEDC to assemble the above-described data in various formats by interpolating the basic data (NBS format) using the four-point Lagrange interpolation formula described by Lewis and Neel (Ref. 7).

The data presented in this volume are in the same format as the NBS data; however, all sources have been assembled in one table. These are then the basic data which will be used to generate all other data in the other formats.

Table I presents these data from 100 to 15,000°K in 100-deg increments over a varying density range between a  $\log \rho$  of -7.0 and a  $\log \rho$  of 3.0 in increments of 0.2 in  $\log \rho$ , where density is in amagats. Each set of data is at a constant temperature with density incremented. The dependent parameters are  $Z$ ,  $E/RT$ ,  $H/RT$ ,  $\log P$ , and  $Z^*$  in that order. Constants for reducing the data to various dimensional units are found in the nomenclature.



## REFERENCES

1. Hilsenrath, J. and Klein, M. "Tables of Thermodynamic Properties of Air in Chemical Equilibrium Including Second Virial Corrections from 1500°K to 15,000°K." AEDC-TR-65-58 (AD612301), March 1965.
2. Humphrey, R. L. and Neel, C. A. "Tables of Thermodynamic Properties of Air from 90 to 1500°K." AEDC-TN-61-103 (AD262692), August 1961.
3. Din, F. Thermodynamic Functions of Gases, Vol. 2, Butterworths Scientific Publications, London, 1956.
4. Grabau, M. and Brahinsky, H. S. "Thermodynamic Properties of Air from 300 to 6000°K and from 1 to 1000 Amagats." AEDC-TR-66-247 (AD646172), January 1967.
5. Neel, C. A. and Lewis, C. H. "Interpolations of Imperfect Air Thermodynamic Data, II. At Constant Pressure." AEDC-TDR-64-184 (AD446386), September 1964.
6. Neel, C. A. and Lewis, C. H. "Interpolations of Imperfect Air Thermodynamic Data, I. At Constant Entropy." AEDC-TDR-64-183 (AD605471), September 1964.
7. Lewis, C. H. and Neel, C. A. "Specific Heat and Speed of Sound Data for Imperfect Air." AEDC-TDR-64-36 (AD600469), May 1964.

**TABLE I**  
**THERMODYNAMIC DATA AT CONSTANT TEMPERATURE FOR AIR**

T= 100						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0000	2.4806	3.4806	37.2060	-7.4364	1.00000
-6.80	1.0000	2.4806	3.4806	36.7460	-7.2364	1.00000
-6.60	1.0000	2.4806	3.4806	36.2850	-7.0364	1.00000
-6.40	1.0000	2.4806	3.4806	35.8250	-6.8364	1.00000
-6.20	1.0000	2.4806	3.4806	35.3640	-6.6364	1.00000
-6.00	1.0000	2.4806	3.4806	34.9040	-6.4364	1.00000
-5.80	1.0000	2.4806	3.4806	34.4430	-6.2364	1.00000
-5.60	1.0000	2.4806	3.4806	33.9830	-6.0364	1.00000
-5.40	1.0000	2.4806	3.4806	33.5220	-5.8364	1.00000
-5.20	1.0000	2.4806	3.4806	33.0620	-5.6364	1.00000
-5.00	1.0000	2.4806	3.4806	32.6010	-5.4364	1.00000
-4.80	1.0000	2.4806	3.4806	32.1410	-5.2364	1.00000
-4.60	1.0000	2.4806	3.4806	31.6800	-5.0364	1.00000
-4.40	1.0000	2.4806	3.4806	31.2200	-4.8364	1.00000
-4.20	1.0000	2.4806	3.4806	30.7590	-4.6364	1.00000
-4.00	1.0000	2.4806	3.4806	30.2990	-4.4364	1.00000
-3.80	1.0000	2.4806	3.4806	29.8380	-4.2364	1.00000
-3.60	1.0000	2.4806	3.4806	29.3770	-4.0364	1.00000
-3.40	1.0000	2.4806	3.4806	28.9170	-3.8364	1.00000
-3.20	1.0000	2.4806	3.4806	28.4560	-3.6364	1.00000
-3.00	1.0000	2.4806	3.4806	27.9960	-3.4364	1.00000
-2.80	1.0000	2.4806	3.4806	27.5350	-3.2364	1.00000
-2.60	1.0000	2.4806	3.4806	27.0750	-3.0364	1.00000
-2.40	1.0000	2.4806	3.4806	26.6140	-2.8364	1.00000
-2.20	1.0000	2.4806	3.4806	26.1540	-2.6364	1.00000
-2.00	1.0000	2.4806	3.4806	25.6930	-2.4364	1.00000
-1.80	1.0000	2.4806	3.4806	25.2330	-2.2354	1.00000
-1.60	0.9999	2.4806	3.4806	24.7720	-2.0364	1.00000
-1.40	0.9995	2.4803	3.4798	24.3110	-1.8364	1.00000
-1.20	0.9992	2.4797	3.4789	23.8500	-1.6365	1.00000
-1.00	0.9989	2.4792	3.4780	23.3890	-1.4366	1.00000
-0.80	0.9985	2.4786	3.4771	22.9280	-1.2368	1.00000
-0.60	0.9982	2.4780	3.4762	22.4670	-1.0369	1.00000
-0.40	0.9966	2.4751	3.4717	22.0060	-0.8376	1.00000
-0.20	0.9947	2.4717	3.4665	21.5440	-0.6384	1.00000
0.0	0.9929	2.4683	3.4612	21.0820	-0.4392	1.00000
0.20	0.9898	2.4615	3.4502	20.6180	-0.2410	1.00000
0.40	0.9814	2.4116	3.3930	20.1240	-0.0445	1.00000
0.60	0.9684	2.3810	3.3494	19.6490	0.1496	1.00000
0.80	0.9521	2.3611	3.3132	19.1840	0.3423	1.00000
1.00	0.9236	2.3148	3.2384	18.7050	0.5290	1.00000

T= 200						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0000	2.4862	3.4862	38.9320	-7.1354	1.00000
-6.80	1.0000	2.4862	3.4862	38.4720	-6.9354	1.00000
-6.60	1.0000	2.4862	3.4862	38.0110	-6.7354	1.00000
-6.40	1.0000	2.4862	3.4862	37.5510	-6.5354	1.00000
-6.20	1.0000	2.4862	3.4862	37.0900	-6.3354	1.00000
-6.00	1.0000	2.4862	3.4862	36.6300	-6.1354	1.00000
-5.80	1.0000	2.4862	3.4862	36.1690	-5.9354	1.00000
-5.60	1.0000	2.4862	3.4862	35.7090	-5.7354	1.00000
-5.40	1.0000	2.4862	3.4862	35.2480	-5.5354	1.00000
-5.20	1.0000	2.4862	3.4862	34.7870	-5.3354	1.00000

T= 200						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-5.00	1.0000	2.4862	3.4862	34.3270	-5.1354	1.00000
-4.80	1.0000	2.4862	3.4862	33.8660	-4.9354	1.00000
-4.60	1.0000	2.4862	3.4862	33.4060	-4.7354	1.00000
-4.40	1.0000	2.4862	3.4862	32.9450	-4.5354	1.00000
-4.20	1.0000	2.4862	3.4862	32.4850	-4.3354	1.00000
-4.00	1.0000	2.4862	3.4862	32.0240	-4.1354	1.00000
-3.80	1.0000	2.4862	3.4862	31.5640	-3.9354	1.00000
-3.60	1.0000	2.4862	3.4862	31.1030	-3.7354	1.00000
-3.40	1.0000	2.4862	3.4862	30.6430	-3.5354	1.00000
-3.20	1.0000	2.4862	3.4862	30.1820	-3.3354	1.00000
-3.00	1.0000	2.4862	3.4862	29.7220	-3.1354	1.00000
-2.80	1.0000	2.4862	3.4862	29.2610	-2.9354	1.00000
-2.60	1.0000	2.4862	3.4862	28.8010	-2.7354	1.00000
-2.40	1.0000	2.4862	3.4862	28.3400	-2.5354	1.00000
-2.20	1.0000	2.4862	3.4862	27.8800	-2.3354	1.00000
-2.00	1.0000	2.4862	3.4862	27.4190	-2.1354	1.00000
-1.80	1.0000	2.4862	3.4862	26.9580	-1.9351	1.00000
-1.60	0.9999	2.4861	3.4860	26.4970	-1.7352	1.00000
-1.40	0.9999	2.4860	3.4859	26.0360	-1.5352	1.00000
-1.20	0.9998	2.4859	3.4857	25.5740	-1.3352	1.00000
-1.00	0.9998	2.4858	3.4856	25.1130	-1.1352	1.00000
-0.80	0.9997	2.4855	3.4852	24.6520	-0.9352	1.00000
-0.60	0.9995	2.4850	3.4844	24.1920	-0.7353	1.00000
-0.40	0.9992	2.4844	3.4836	23.7320	-0.5354	1.00000
-0.20	0.9989	2.4835	3.4824	23.2720	-0.3356	1.00000
0.0	0.9983	2.4816	3.4800	22.8110	-0.1359	1.00000
0.20	0.9977	2.4774	3.4751	22.3480	0.0636	1.00000
0.40	0.9961	2.4734	3.4695	21.8850	0.2629	1.00000
0.60	0.9937	2.4677	3.4614	21.4210	0.4619	1.00000
0.80	0.9896	2.4575	3.4473	20.9540	0.6601	1.00000
1.00	0.9835	2.4421	3.4256	20.4840	0.8574	1.00000
1.20	0.9735	2.4163	3.3899	20.0080	1.0530	1.00000
1.40	0.9587	2.3772	3.3353	19.5220	1.2463	1.00000
1.60	0.9368	2.3142	3.2510	19.0210	1.4363	1.00000
1.80	0.9051	2.2166	3.1217	18.4970	1.6213	1.00000
2.00	0.8628	2.0579	2.9207	17.9290	1.8005	1.00000
2.20	0.8178	1.8103	2.6281	17.3000	1.9773	1.00000
2.40	0.8062	1.4556	2.2618	16.5740	2.1711	1.00000
2.60	1.0161	0.8852	1.9013	15.5960	2.4715	1.00000

T= 300						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0000	2.4891	3.4891	39.9440	-6.9593	1.00000
-6.80	1.0000	2.4891	3.4891	39.4830	-6.7593	1.00000
-6.60	1.0000	2.4891	3.4891	39.0230	-6.5593	1.00000
-6.40	1.0000	2.4891	3.4891	38.5620	-6.3593	1.00000
-6.20	1.0000	2.4891	3.4891	38.1020	-6.1593	1.00000
-6.00	1.0000	2.4891	3.4891	37.6410	-5.9593	1.00000
-5.80	1.0000	2.4891	3.4891	37.1810	-5.7593	1.00000
-5.60	1.0000	2.4891	3.4891	36.7200	-5.5593	1.00000
-5.40	1.0000	2.4891	3.4891	36.2600	-5.3593	1.00000
-5.20	1.0000	2.4891	3.4891	35.7990	-5.1593	1.00000
-5.00	1.0000	2.4891	3.4891	35.3380	-4.9593	1.00000
-4.80	1.0000	2.4891	3.4891	34.8780	-4.7593	1.00000

T= 300						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0000	2.4891	3.4891	34.4170	-4.5593	1.00000
-4.40	1.0000	2.4891	3.4891	33.9570	-4.3593	1.00000
-4.20	1.0000	2.4891	3.4891	33.4960	-4.1593	1.00000
-4.00	1.0000	2.4891	3.4891	33.0360	-3.9593	1.00000
-3.80	1.0000	2.4891	3.4891	32.5750	-3.7593	1.00000
-3.60	1.0000	2.4891	3.4891	32.1150	-3.5593	1.00000
-3.40	1.0000	2.4891	3.4891	31.6540	-3.3593	1.00000
-3.20	1.0000	2.4891	3.4891	31.1940	-3.1593	1.00000
-3.00	1.0000	2.4891	3.4891	30.7330	-2.9593	1.00000
-2.80	1.0000	2.4891	3.4891	30.2730	-2.7593	1.00000
-2.60	1.0000	2.4891	3.4891	29.8120	-2.5593	1.00000
-2.40	1.0000	2.4891	3.4891	29.3520	-2.3593	1.00000
-2.20	1.0000	2.4891	3.4891	28.8910	-2.1593	1.00000
-2.00	1.0000	2.4891	3.4891	28.4310	-1.9590	1.00000
-1.80	1.0000	2.4891	3.4891	27.9700	-1.7590	1.00000
-1.50	1.0000	2.4890	3.4890	27.5090	-1.5590	1.00000
-1.40	1.0000	2.4890	3.4890	27.0490	-1.3590	1.00000
-1.20	1.0000	2.4889	3.4889	26.5880	-1.1590	1.00000
-1.00	1.0000	2.4888	3.4888	26.1280	-0.9590	1.00000
-0.80	0.9999	2.4886	3.4885	25.6670	-0.7590	1.00000
-0.60	0.9999	2.4883	3.4882	25.2060	-0.5591	1.00000
-0.40	0.9999	2.4880	3.4879	24.7450	-0.3591	1.00000
-0.20	0.9998	2.4875	3.4873	24.2850	-0.1591	1.00000
0.0	0.9998	2.4867	3.4865	23.8250	0.0406	1.00000
0.20	0.9998	2.4862	3.4860	23.3639	0.2406	1.00000
0.40	0.9979	2.4823	3.4802	22.9001	0.4398	1.00000
0.60	0.9992	2.4769	3.4762	22.4349	0.6404	1.00000
0.80	0.9986	2.4718	3.4704	21.9697	0.8401	1.00000
1.00	0.9975	2.4631	3.4605	21.5013	1.0396	1.00000
1.20	0.9959	2.4495	3.4454	21.0288	1.2389	1.00000
1.40	0.9939	2.4283	3.4223	20.5494	1.4381	1.00000
1.60	0.9920	2.3959	3.3879	20.0596	1.6372	1.00000
1.80	0.9912	2.3446	3.3359	19.5519	1.8369	1.00000
2.00	0.9947	2.2653	3.2620	19.0152	2.0393	1.00000
2.20	1.0233	2.1448	3.1681	18.4309	2.2507	1.00000
2.40	1.1248	1.9700	3.0948	17.7666	2.4918	1.00000
2.60	1.5150	1.7315	3.2465	16.9406	2.8211	1.00000
2.80	3.3351	1.4439	4.7790	15.6423	3.3638	1.00000
3.00	12.3147	1.9889	14.3035	13.1116	4.1311	1.00000

T= 400						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0000	2.4952	3.4952	40.6660	-5.8343	1.00000
-6.80	1.0000	2.4952	3.4952	40.2050	-6.6343	1.00000
-6.60	1.0000	2.4952	3.4952	39.7450	-6.4343	1.00000
-6.40	1.0000	2.4952	3.4952	39.2840	-6.2343	1.00000
-6.20	1.0000	2.4952	3.4952	38.8240	-6.0343	1.00000
-6.00	1.0000	2.4952	3.4952	38.3630	-5.8343	1.00000
-5.80	1.0000	2.4952	3.4952	37.9030	-5.6343	1.00000
-5.60	1.0000	2.4952	3.4952	37.4420	-5.4343	1.00000
-5.40	1.0000	2.4952	3.4952	36.9820	-5.2343	1.00000
-5.20	1.0000	2.4952	3.4952	36.5210	-5.0343	1.00000
-5.00	1.0000	2.4952	3.4952	36.0610	-4.8343	1.00000
-4.80	1.0000	2.4952	3.4952	35.6000	-4.6343	1.00000

T= 400						
LOG RHO	Z	F/R T	H/R T	S/R	LJG P	Z*
-4.50	1.0000	2.4952	3.4952	35.1400	-4.4343	1.00000
-4.40	1.0000	2.4952	3.4952	34.6790	-4.2343	1.00000
-4.20	1.0000	2.4952	3.4952	34.2190	-4.0343	1.00000
-4.00	1.0000	2.4952	3.4952	33.7580	-3.8343	1.00000
-3.80	1.0000	2.4952	3.4952	33.2980	-3.6343	1.00000
-3.60	1.0000	2.4952	3.4952	32.8370	-3.4343	1.00000
-3.40	1.0000	2.4952	3.4952	32.3770	-3.2343	1.00000
-3.20	1.0000	2.4952	3.4952	31.9160	-3.0343	1.00000
-3.00	1.0000	2.4952	3.4952	31.4560	-2.8343	1.00000
-2.80	1.0000	2.4952	3.4952	30.9950	-2.6343	1.00000
-2.60	1.0000	2.4952	3.4952	30.5350	-2.4343	1.00000
-2.40	1.0000	2.4952	3.4952	30.0740	-2.2343	1.00000
-2.20	1.0000	2.4952	3.4952	29.6140	-2.0343	1.00000
-2.00	1.0000	2.4952	3.4952	29.1530	-1.8341	1.00000
-1.80	1.0000	2.4952	3.4952	28.6930	-1.6341	1.00000
-1.60	1.0000	2.4951	3.4951	28.2320	-1.4341	1.00000
-1.40	1.0000	2.4951	3.4951	27.7720	-1.2341	1.00000
-1.20	1.0000	2.4951	3.4951	27.3120	-1.0341	1.00000
-1.00	1.0000	2.4950	3.4950	26.8510	-0.8341	1.00000
-0.80	1.0001	2.4948	3.4949	26.3900	-0.6341	1.00000
-0.60	1.0001	2.4946	3.4947	25.9289	-0.4340	1.00000
-0.40	1.0001	2.4944	3.4945	25.4681	-0.2340	1.00000
-0.20	1.0002	2.4939	3.4941	25.0071	-0.0340	1.00000
0.0	1.0004	2.4923	3.4927	24.5460	0.1658	1.00000
0.20	1.0006	2.4915	3.4921	24.0845	0.3659	1.00000
0.40	1.0009	2.4894	3.4903	23.6215	0.5660	1.00000
0.60	1.0016	2.4863	3.4879	23.1573	0.7663	1.00000
0.80	1.0024	2.4826	3.4850	22.6922	0.9667	1.00000
1.00	1.0035	2.4765	3.4800	22.2242	1.1672	1.00000
1.20	1.0055	2.4662	3.4717	21.7514	1.3680	1.00000
1.40	1.0091	2.4497	3.4588	21.2711	1.5696	1.00000
1.60	1.0156	2.4233	3.4389	20.7787	1.7724	1.00000
1.80	1.0287	2.3818	3.4105	20.2667	1.9779	1.00000
2.00	1.0545	2.3171	3.3716	19.7231	2.1887	1.00000
2.20	1.1127	2.2144	3.3271	19.1232	2.4120	1.00000
2.40	1.2520	2.0592	3.3113	18.4288	2.6633	1.00000
2.60	1.6850	1.8452	3.5302	17.5589	2.9922	1.00000
2.80	3.4507	1.5225	5.0731	16.2479	3.5035	1.00000
3.00	11.0389	2.2358	13.2746	13.9515	4.2086	1.00000

T= 500						
LOG RHO	Z	F/R T	H/R T	S/R	LJG P	Z*
-7.00	1.0000	2.5074	3.5074	41.2370	-6.7374	1.00000
-6.80	1.0000	2.5074	3.5074	40.7760	-6.5374	1.00000
-6.60	1.0000	2.5074	3.5074	40.3160	-6.3374	1.00000
-6.40	1.0000	2.5074	3.5074	39.8550	-6.1374	1.00000
-6.20	1.0000	2.5074	3.5074	39.3950	-5.9375	1.00000
-6.00	1.0000	2.5074	3.5074	38.9340	-5.7374	1.00000
-5.80	1.0000	2.5074	3.5074	38.4740	-5.5374	1.00000
-5.60	1.0000	2.5074	3.5074	38.0130	-5.3374	1.00000
-5.40	1.0000	2.5074	3.5074	37.5530	-5.1374	1.00000
-5.20	1.0000	2.5074	3.5074	37.0920	-4.9375	1.00000
-5.00	1.0000	2.5074	3.5074	36.6320	-4.7374	1.00000
-4.80	1.0000	2.5074	3.5074	36.1710	-4.5374	1.00000

T= 500						
LOG RHO	Z	E/RT	-I/RT	S/R	LOG P	Z*
-4.60	1.0000	2.5074	3.5074	35.7110	-4.3374	1.00000
-4.40	1.0000	2.5074	3.5074	35.2500	-4.1374	1.00000
-4.20	1.0000	2.5074	3.5074	34.7900	-3.9375	1.00000
-4.00	1.0000	2.5074	3.5074	34.3290	-3.7374	1.00000
-3.80	1.0000	2.5074	3.5074	33.8690	-3.5374	1.00000
-3.60	1.0000	2.5074	3.5074	33.4080	-3.3374	1.00000
-3.40	1.0000	2.5074	3.5074	32.9480	-3.1374	1.00000
-3.20	1.0000	2.5074	3.5074	32.4870	-2.9375	1.00000
-3.00	1.0000	2.5074	3.5074	32.0260	-2.7374	1.00000
-2.80	1.0000	2.5074	3.5074	31.5660	-2.5374	1.00000
-2.60	1.0000	2.5074	3.5074	31.1050	-2.3374	1.00000
-2.40	1.0000	2.5074	3.5074	30.6450	-2.1374	1.00000
-2.20	1.0000	2.5074	3.5074	30.1840	-1.9372	1.00000
-2.00	1.0000	2.5074	3.5074	29.7240	-1.7372	1.00000
-1.80	1.0000	2.5074	3.5074	29.2630	-1.5372	1.00000
-1.60	1.0000	2.5073	3.5073	28.8030	-1.3372	1.00000
-1.40	1.0000	2.5073	3.5073	28.3420	-1.1372	1.00000
-1.20	1.0000	2.5073	3.5073	27.8810	-0.9372	1.00000
-1.00	1.0001	2.5072	3.5073	27.4210	-0.7372	1.00000
-0.80	1.0001	2.5071	3.5072	26.9600	-0.5371	1.00000
-0.60	1.0002	2.5071	3.5071	26.4999	-0.3371	1.00000
-0.40	1.0003	2.5068	3.5070	26.0391	-0.1370	1.00000
-0.20	1.0004	2.5064	3.5068	25.5781	0.0630	1.00000
0.0	1.0007	2.5059	3.5065	25.1090	0.2629	1.00000
0.20	1.0011	2.5050	3.5061	24.6472	0.4630	1.00000
0.40	1.0017	2.5040	3.5057	24.1851	0.6633	1.00000
0.60	1.0027	2.5026	3.5054	23.7221	0.8637	1.00000
0.80	1.0042	2.5001	3.5043	23.2575	1.0644	1.00000
1.00	1.0065	2.4959	3.5024	22.7904	1.2654	1.00000
1.20	1.0106	2.4890	3.4996	22.3191	1.4671	1.00000
1.40	1.0173	2.4776	3.4949	21.8409	1.6700	1.00000
1.60	1.0248	2.4594	3.4882	21.3519	1.8749	1.00000
1.80	1.0430	2.4308	3.4798	20.8452	2.0833	1.00000
2.00	1.0862	2.3862	3.4724	20.3100	2.2985	1.00000
2.20	1.1625	2.3189	3.4814	19.7269	2.5279	1.00000
2.40	1.3250	2.2157	3.5407	19.0563	2.7848	1.00000
2.60	1.7787	2.0718	3.8505	18.2177	3.1127	1.00000
2.80	3.4720	1.9600	5.4319	16.9816	3.6031	1.00000
3.00	10.0726	2.6403	12.7130	14.8964	4.2657	1.00000

T= 600						
LOG RHO	Z	E/RT	-I/RT	S/R	LOG P	Z*
-7.00	1.0000	2.5270	3.5270	41.7150	-6.6582	1.00000
-6.80	1.0000	2.5270	3.5270	41.2540	-6.4583	1.00000
-6.60	1.0000	2.5270	3.5270	40.7930	-6.2582	1.00000
-6.40	1.0000	2.5270	3.5270	40.3330	-6.0582	1.00000
-6.20	1.0000	2.5270	3.5270	39.8720	-5.8583	1.00000
-6.00	1.0000	2.5270	3.5270	39.4120	-5.6582	1.00000
-5.80	1.0000	2.5270	3.5270	38.9510	-5.4583	1.00000
-5.60	1.0000	2.5270	3.5270	38.4910	-5.2582	1.00000
-5.40	1.0000	2.5270	3.5270	38.0300	-5.0582	1.00000
-5.20	1.0000	2.5270	3.5270	37.5700	-4.8583	1.00000
-5.00	1.0000	2.5270	3.5270	37.1090	-4.6582	1.00000
-4.80	1.0000	2.5270	3.5270	36.6490	-4.4583	1.00000

T= 600						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0000	2.5270	3.5270	36.1880	-4.2582	1.00000
-4.40	1.0000	2.5270	3.5270	35.7280	-4.0582	1.00000
-4.20	1.0000	2.5270	3.5270	35.2670	-3.8583	1.00000
-4.00	1.0000	2.5270	3.5270	34.8070	-3.6582	1.00000
-3.80	1.0000	2.5270	3.5270	34.3460	-3.4583	1.00000
-3.60	1.0000	2.5270	3.5270	33.8860	-3.2582	1.00000
-3.40	1.0000	2.5270	3.5270	33.4250	-3.0582	1.00000
-3.20	1.0000	2.5270	3.5270	32.9650	-2.8583	1.00000
-3.00	1.0000	2.5270	3.5270	32.5040	-2.6582	1.00000
-2.80	1.0000	2.5270	3.5270	32.0440	-2.4583	1.00000
-2.60	1.0000	2.5270	3.5270	31.5830	-2.2582	1.00000
-2.40	1.0000	2.5270	3.5270	31.1230	-2.0582	1.00000
-2.20	1.0000	2.5270	3.5270	30.6620	-1.8580	1.00000
-2.00	1.0000	2.5270	3.5270	30.2010	-1.6580	1.00000
-1.80	1.0000	2.5270	3.5270	29.7410	-1.4580	1.00000
-1.60	1.0000	2.5270	3.5270	29.2800	-1.2580	1.00000
-1.40	1.0000	2.5270	3.5270	28.8200	-1.0580	1.00000
-1.20	1.0001	2.5269	3.5270	28.3590	-0.8580	1.00000
-1.00	1.0001	2.5268	3.5269	27.8990	-0.6579	1.00000
-0.80	1.0001	2.5267	3.5269	27.4380	-0.4579	1.00000
-0.60	1.0002	2.5267	3.5269	26.9769	-0.2579	1.00000
-0.40	1.0003	2.5266	3.5269	26.5161	-0.0578	1.00000
-0.20	1.0005	2.5263	3.5269	26.0552	0.1423	1.00000
0.0	1.0009	2.5257	3.5266	25.5870	0.3421	1.00000
0.20	1.0015	2.5250	3.5265	25.1253	0.5424	1.00000
0.40	1.0022	2.5239	3.5261	24.6628	0.7427	1.00000
0.60	1.0035	2.5224	3.5259	24.1995	0.9432	1.00000
0.80	1.0055	2.5200	3.5255	23.7345	1.1441	1.00000
1.00	1.0086	2.5161	3.5247	23.2669	1.3454	1.00000
1.20	1.0138	2.5101	3.5239	22.7953	1.5477	1.00000
1.40	1.0226	2.5005	3.5231	22.3170	1.7514	1.00000
1.60	1.0369	2.4860	3.5229	21.8286	1.9575	1.00000
1.80	1.0625	2.4612	3.5237	21.3279	2.1681	1.00000
2.00	1.1064	2.4218	3.5282	20.7831	2.3856	1.00000
2.20	1.1916	2.3668	3.5584	20.2012	2.6179	1.00000
2.40	1.3709	2.2827	3.6537	19.5327	2.8787	1.00000
2.60	1.8348	2.1648	3.9996	18.6958	3.2053	1.00000
2.80	3.4513	2.1034	5.5547	17.4941	3.6797	1.00000
3.00	9.2996	2.8339	12.1335	15.5877	4.3102	1.00000

T= 700						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0000	2.5516	3.5516	42.1310	-5.5913	1.00000
-6.80	1.0000	2.5516	3.5516	41.6710	-6.3913	1.00000
-6.60	1.0000	2.5516	3.5516	41.2100	-6.1913	1.00000
-6.40	1.0000	2.5516	3.5516	40.7500	-5.9913	1.00000
-6.20	1.0000	2.5516	3.5516	40.2890	-5.7913	1.00000
-6.00	1.0000	2.5516	3.5516	39.8290	-5.5913	1.00000
-5.80	1.0000	2.5516	3.5516	39.3680	-5.3913	1.00000
-5.60	1.0000	2.5516	3.5516	38.9080	-5.1913	1.00000
-5.40	1.0000	2.5516	3.5516	38.4470	-4.9913	1.00000
-5.20	1.0000	2.5516	3.5516	37.9870	-4.7913	1.00000
-5.00	1.0000	2.5516	3.5516	37.5260	-4.5913	1.00000
-4.80	1.0000	2.5516	3.5516	37.0660	-4.3913	1.00000



T= 700						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0000	2.5516	3.5515	36.6050	-4.1913	1.00000
-4.40	1.0000	2.5516	3.5516	36.1450	-3.9913	1.00000
-4.20	1.0000	2.5516	3.5516	35.6840	-3.7913	1.00000
-4.00	1.0000	2.5516	3.5516	35.2240	-3.5913	1.00000
-3.80	1.0000	2.5516	3.5516	34.7630	-3.3913	1.00000
-3.60	1.0000	2.5516	3.5516	34.3030	-3.1913	1.00000
-3.40	1.0000	2.5516	3.5515	33.8420	-2.9913	1.00000
-3.20	1.0000	2.5516	3.5516	33.3820	-2.7913	1.00000
-3.00	1.0000	2.5516	3.5516	32.9210	-2.5913	1.00000
-2.80	1.0000	2.5515	3.5516	32.4610	-2.3913	1.00000
-2.60	1.0000	2.5516	3.5516	32.0000	-2.1913	1.00000
-2.40	1.0000	2.5516	3.5516	31.5390	-1.9911	1.00000
-2.20	1.0000	2.5515	3.5516	31.0790	-1.7911	1.00000
-2.00	1.0000	2.5516	3.5516	30.6180	-1.5911	1.00000
-1.80	1.0000	2.5516	3.5516	30.1580	-1.3911	1.00000
-1.60	1.0000	2.5516	3.5516	29.6970	-1.1911	1.00000
-1.40	1.0000	2.5516	3.5516	29.2360	-0.9911	1.00000
-1.20	1.0001	2.5516	3.5516	28.7760	-0.7910	1.00000
-1.00	1.0001	2.5515	3.5517	28.3150	-0.5910	1.00000
-0.80	1.0002	2.5515	3.5517	27.8550	-0.3910	1.00000
-0.60	1.0002	2.5514	3.5516	27.3939	-0.1909	1.00000
-0.40	1.0004	2.5513	3.5517	26.9332	0.0091	1.00000
-0.20	1.0006	2.5511	3.5517	26.4722	0.2092	1.00000
0.0	1.0011	2.5511	3.5522	26.0040	0.4092	1.00000
0.20	1.0017	2.5507	3.5524	25.5425	0.6094	1.00000
0.40	1.0026	2.5500	3.5525	25.0803	0.8098	1.00000
0.60	1.0040	2.5488	3.5528	24.6171	1.0104	1.00000
0.80	1.0064	2.5471	3.5535	24.1524	1.2114	1.00000
1.00	1.0100	2.5441	3.5541	23.6852	1.4130	1.00000
1.20	1.0161	2.5390	3.5551	23.2138	1.6156	1.00000
1.40	1.0261	2.5314	3.5575	22.7361	1.8199	1.00000
1.60	1.0425	2.5183	3.5608	22.2470	2.0268	1.00000
1.80	1.0715	2.5022	3.5737	21.7447	2.2387	1.00000
2.00	1.1205	2.4754	3.5959	21.2143	2.4581	1.00000
2.20	1.2123	2.4269	3.6392	20.6310	2.6923	1.00000
2.40	1.4016	2.3574	3.7590	19.9652	2.9553	1.00000
2.60	1.8698	2.2686	4.1385	19.1418	3.2805	1.00000
2.80	3.4107	2.2540	5.6647	17.9813	3.7415	1.00000
3.00	8.6513	3.0166	11.6779	16.2224	4.3463	1.00000

T= 800						
LOG RHO	Z	F/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0000	2.5817	3.5817	42.5030	-6.5333	1.00000
-6.80	1.0000	2.5817	3.5817	42.0420	-6.3333	1.00000
-6.60	1.0000	2.5817	3.5817	41.5820	-6.1333	1.00000
-6.40	1.0000	2.5817	3.5817	41.1210	-5.9333	1.00000
-6.20	1.0000	2.5817	3.5817	40.6610	-5.7333	1.00000
-6.00	1.0000	2.5817	3.5817	40.2000	-5.5333	1.00000
-5.80	1.0000	2.5817	3.5817	39.7400	-5.3333	1.00000
-5.60	1.0000	2.5817	3.5817	39.2790	-5.1333	1.00000
-5.40	1.0000	2.5817	3.5817	38.8190	-4.9333	1.00000
-5.20	1.0000	2.5817	3.5817	38.3580	-4.7333	1.00000
-5.00	1.0000	2.5817	3.5817	37.8980	-4.5333	1.00000
-4.80	1.0000	2.5817	3.5817	37.4370	-4.3333	1.00000

T= 800						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0000	2.5817	3.5817	36.9770	-4.1333	1.00000
-4.40	1.0000	2.5817	3.5817	36.5160	-3.9333	1.00000
-4.20	1.0000	2.5817	3.5817	36.0560	-3.7333	1.00000
-4.00	1.0000	2.5817	3.5817	35.5950	-3.5333	1.00000
-3.80	1.0000	2.5817	3.5817	35.1350	-3.3333	1.00000
-3.60	1.0000	2.5817	3.5817	34.6740	-3.1333	1.00000
-3.40	1.0000	2.5817	3.5817	34.2140	-2.9333	1.00000
-3.20	1.0000	2.5817	3.5817	33.7530	-2.7333	1.00000
-3.00	1.0000	2.5817	3.5817	33.2920	-2.5333	1.00000
-2.80	1.0000	2.5817	3.5817	32.8320	-2.3333	1.00000
-2.60	1.0000	2.5817	3.5817	32.3710	-2.1333	1.00000
-2.40	1.0000	2.5817	3.5817	31.9110	-1.9333	1.00000
-2.20	1.0000	2.5817	3.5817	31.4500	-1.7333	1.00000
-2.00	1.0000	2.5817	3.5817	30.9900	-1.5333	1.00000
-1.80	1.0000	2.5817	3.5817	30.5290	-1.3333	1.00000
-1.60	1.0000	2.5817	3.5817	30.0680	-1.1333	1.00000
-1.40	1.0001	2.5817	3.5817	29.6080	-0.9333	1.00000
-1.20	1.0001	2.5816	3.5817	29.1470	-0.7333	1.00000
-1.00	1.0001	2.5815	3.5817	28.6870	-0.5333	1.00000
-0.80	1.0002	2.5815	3.5817	28.2270	-0.3333	1.00000
-0.60	1.0003	2.5815	3.5818	27.7650	-0.1329	1.00000
-0.40	1.0004	2.5814	3.5819	27.3042	0.0672	1.00000
-0.20	1.0007	2.5813	3.5820	26.8432	0.2673	1.00000
0.0	1.0012	2.5805	3.5817	26.3730	0.4672	1.00000
0.20	1.0018	2.5802	3.5820	25.9115	0.6674	1.00000
0.40	1.0029	2.5796	3.5825	25.4494	0.8679	1.00000
0.60	1.0044	2.5786	3.5830	24.9862	1.0686	1.00000
0.80	1.0070	2.5770	3.5840	24.5215	1.2697	1.00000
1.00	1.0111	2.5740	3.5852	24.0539	1.4715	1.00000
1.20	1.0178	2.5693	3.5871	23.5821	1.6743	1.00000
1.40	1.0288	2.5624	3.5912	23.1042	1.8790	1.00000
1.60	1.0470	2.5508	3.5978	22.6149	2.0866	1.00000
1.80	1.0755	2.5334	3.6089	22.1095	2.2983	1.00000
2.00	1.1308	2.5072	3.6380	21.5764	2.5201	1.00000
2.20	1.2284	2.4650	3.6934	20.9933	2.7560	1.00000
2.40	1.4229	2.4065	3.8294	20.3300	3.0198	1.00000
2.60	1.8919	2.3371	4.2290	19.5153	3.3436	1.00000
2.80	3.3618	2.3548	5.7166	18.3873	3.7932	1.00000
3.00	8.1247	3.1340	11.2587	16.7482	4.3765	1.00000

T= 900						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0000	2.6129	3.6129	42.8410	-6.4822	1.00000
-6.80	1.0000	2.6129	3.6129	42.3810	-6.2822	1.00000
-6.60	1.0000	2.6129	3.6129	41.9200	-6.0822	1.00000
-6.40	1.0000	2.6129	3.6129	41.4590	-5.8822	1.00000
-6.20	1.0000	2.6129	3.6129	40.9990	-5.6822	1.00000
-6.00	1.0000	2.6129	3.6129	40.5380	-5.4822	1.00000
-5.80	1.0000	2.6129	3.6129	40.0780	-5.2822	1.00000
-5.60	1.0000	2.6129	3.6129	39.6170	-5.0822	1.00000
-5.40	1.0000	2.6129	3.6129	39.1570	-4.8822	1.00000
-5.20	1.0000	2.6129	3.6129	38.6960	-4.6822	1.00000
-5.00	1.0000	2.6129	3.6129	38.2360	-4.4822	1.00000
-4.80	1.0000	2.6129	3.6129	37.7750	-4.2822	1.00000

T= 900						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0000	2.6129	3.6129	37.3150	-4.0822	1.00000
-4.40	1.0000	2.6129	3.6129	36.8540	-3.8822	1.00000
-4.20	1.0000	2.6129	3.6129	36.3940	-3.6822	1.00000
-4.00	1.0000	2.6129	3.6129	35.9330	-3.4822	1.00000
-3.80	1.0000	2.6129	3.6129	35.4730	-3.2822	1.00000
-3.60	1.0000	2.6129	3.6129	35.0120	-3.0822	1.00000
-3.40	1.0000	2.6129	3.6129	34.5520	-2.8822	1.00000
-3.20	1.0000	2.6129	3.6129	34.0910	-2.6822	1.00000
-3.00	1.0000	2.6129	3.6129	33.6310	-2.4822	1.00000
-2.80	1.0000	2.6129	3.6129	33.1700	-2.2822	1.00000
-2.60	1.0000	2.6129	3.6129	32.7100	-2.0822	1.00000
-2.40	1.0000	2.6129	3.6129	32.2490	-1.8819	1.00000
-2.20	1.0000	2.6129	3.6129	31.7880	-1.6819	1.00000
-2.00	1.0000	2.6129	3.6129	31.3280	-1.4819	1.00000
-1.80	1.0000	2.6129	3.6129	30.8670	-1.2819	1.00000
-1.60	1.0000	2.6129	3.6129	30.4070	-1.0819	1.00000
-1.40	1.0001	2.6129	3.6129	29.9460	-0.8819	1.00000
-1.20	1.0001	2.6128	3.6129	29.4860	-0.6818	1.00000
-1.00	1.0001	2.6128	3.6129	29.0250	-0.4818	1.00000
-0.80	1.0002	2.6127	3.6129	28.5640	-0.2818	1.00000
-0.60	1.0003	2.6128	3.6130	28.1040	-0.0817	1.00000
-0.40	1.0005	2.6127	3.6131	27.6432	0.1183	1.00000
-0.20	1.0007	2.6125	3.6133	27.1823	0.3184	1.00000
0.0	1.0012	2.6122	3.6134	26.7215	0.5183	1.00000
0.20	1.0019	2.6120	3.6139	26.2606	0.7187	1.00000
0.40	1.0030	2.6115	3.6146	25.7994	0.9191	1.00000
0.60	1.0047	2.6106	3.6153	25.3383	1.1199	1.00000
0.80	1.0076	2.6090	3.6166	24.8773	1.3211	1.00000
1.00	1.0120	2.6065	3.6185	24.4159	1.5230	1.00000
1.20	1.0192	2.6023	3.6215	23.9542	1.7261	1.00000
1.40	1.0309	2.5957	3.6266	23.4927	1.9310	1.00000
1.60	1.0504	2.5864	3.6368	22.9976	2.1392	1.00000
1.80	1.0830	2.5664	3.6494	22.4470	2.3524	1.00000
2.00	1.1390	2.5368	3.6758	21.9070	2.5743	1.00000
2.20	1.2405	2.4989	3.7394	21.3235	2.8114	1.00000
2.40	1.4379	2.4491	3.8870	20.6626	3.0755	1.00000
2.60	1.9757	2.3964	4.3021	19.8574	3.3979	1.00000
2.80	3.3193	2.4404	5.7497	18.7594	3.8376	1.00000
3.00	7.6494	3.2253	10.8937	17.2191	4.4025	1.00000

T= 1000						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0000	2.6467	3.6467	43.1510	-6.4364	1.00000
-6.80	1.0000	2.6467	3.6467	42.6900	-6.2364	1.00000
-6.60	1.0000	2.6467	3.6467	42.2300	-6.0364	1.00000
-6.40	1.0000	2.6467	3.6467	41.7690	-5.8364	1.00000
-6.20	1.0000	2.6467	3.6467	41.3090	-5.6364	1.00000
-6.00	1.0000	2.6467	3.6467	40.8480	-5.4364	1.00000
-5.80	1.0000	2.6467	3.6467	40.3880	-5.2364	1.00000
-5.60	1.0000	2.6467	3.6467	39.9270	-5.0364	1.00000
-5.40	1.0000	2.6467	3.6467	39.4670	-4.8364	1.00000
-5.20	1.0000	2.6467	3.6467	39.0060	-4.6364	1.00000
-5.00	1.0000	2.6467	3.6467	38.5450	-4.4364	1.00000
-4.80	1.0000	2.6467	3.6467	38.0850	-4.2364	1.00000

T= 1000						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0000	2.6467	3.6467	37.6240	-4.0364	1.00000
-4.40	1.0000	2.5467	3.6467	37.1640	-3.8364	1.00000
-4.20	1.0000	2.6467	3.6467	36.7030	-3.6364	1.00000
-4.00	1.0000	2.5467	3.6467	36.2430	-3.4364	1.00000
-3.80	1.0000	2.6467	3.6467	35.7820	-3.2364	1.00000
-3.60	1.0000	2.6467	3.6467	35.3220	-3.0364	1.00000
-3.40	1.0000	2.6467	3.6467	34.8610	-2.8364	1.00000
-3.20	1.0000	2.6467	3.6467	34.4010	-2.6364	1.00000
-3.00	1.0000	2.6467	3.6467	33.9400	-2.4364	1.00000
-2.80	1.0000	2.6467	3.6467	33.4800	-2.2364	1.00000
-2.60	1.0000	2.6467	3.6467	33.0190	-2.0364	1.00000
-2.40	1.0000	2.6467	3.6467	32.5590	-1.8361	1.00000
-2.20	1.0000	2.6467	3.6467	32.0980	-1.6361	1.00000
-2.00	1.0000	2.6467	3.6467	31.6370	-1.4361	1.00000
-1.80	1.0000	2.6467	3.6467	31.1770	-1.2361	1.00000
-1.60	1.0000	2.6467	3.6467	30.7160	-1.0361	1.00000
-1.40	1.0001	2.6467	3.6467	30.2560	-0.8361	1.00000
-1.20	1.0001	2.6466	3.6467	29.7950	-0.6361	1.00000
-1.00	1.0001	2.6466	3.6467	29.3350	-0.4361	1.00000
-0.80	1.0002	2.6465	3.6467	28.8740	-0.2361	1.00000
-0.60	1.0003	2.6466	3.6469	28.4130	-0.0360	1.00000
-0.40	1.0005	2.6465	3.6470	27.9522	0.1641	1.00000
-0.20	1.0008	2.6464	3.6472	27.4913	0.3642	1.00000
0.0	1.0012	2.6454	3.6466	27.0300	0.5641	1.00000
0.20	1.0020	2.6452	3.6472	26.5685	0.7644	1.00000
0.40	1.0031	2.6450	3.6481	26.1067	0.9649	1.00000
0.60	1.0050	2.6442	3.6492	25.6435	1.1657	1.00000
0.80	1.0079	2.6428	3.6507	25.1786	1.3670	1.00000
1.00	1.0127	2.6409	3.6536	24.7116	1.5691	1.00000
1.20	1.0203	2.6375	3.6578	24.2402	1.7723	1.00000
1.40	1.0327	2.6318	3.6645	23.7621	1.9775	1.00000
1.60	1.0530	2.6228	3.6758	23.2732	2.1860	1.00000
1.80	1.0871	2.6119	3.6990	22.7702	2.3999	1.00000
2.00	1.1459	2.5926	3.7385	22.2380	2.6227	1.00000
2.20	1.2507	2.5569	3.8076	21.6527	2.8607	1.00000
2.40	1.4487	2.5142	3.9629	20.9940	3.1246	1.00000
2.60	1.9138	2.4746	4.3884	20.1971	3.4455	1.00000
2.80	3.2561	2.5396	5.7957	19.1258	3.8763	1.00000
3.00	7.2747	3.3196	10.5943	17.6622	4.4254	1.00000

T= 1100						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0000	2.6791	3.6791	43.4370	-6.3950	1.00000
-6.80	1.0000	2.6791	3.6791	42.9770	-6.1950	1.00000
-6.60	1.0000	2.6791	3.6791	42.5160	-5.9950	1.00000
-6.40	1.0000	2.6791	3.6791	42.0560	-5.7950	1.00000
-6.20	1.0000	2.6791	3.6791	41.5950	-5.5950	1.00000
-6.00	1.0000	2.6791	3.6791	41.1350	-5.3950	1.00000
-5.80	1.0000	2.6791	3.6791	40.6740	-5.1950	1.00000
-5.60	1.0000	2.6791	3.6791	40.2140	-4.9950	1.00000
-5.40	1.0000	2.6791	3.6791	39.7530	-4.7950	1.00000
-5.20	1.0000	2.6791	3.6791	39.2930	-4.5950	1.00000
-5.00	1.0000	2.6791	3.6791	38.8320	-4.3950	1.00000
-4.80	1.0000	2.6791	3.6791	38.3720	-4.1950	1.00000

T= 1100						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0000	2.5791	3.6791	37.9110	-3.9950	1.00000
-4.40	1.0000	2.6791	3.6791	37.4510	-3.7950	1.00000
-4.20	1.0000	2.5791	3.6791	36.9900	-3.5950	1.00000
-4.00	1.0000	2.6791	3.6791	36.5300	-3.3950	1.00000
-3.80	1.0000	2.5791	3.6791	36.0690	-3.1950	1.00000
-3.60	1.0000	2.6791	3.6791	35.6090	-2.9950	1.00000
-3.40	1.0000	2.5791	3.6791	35.1480	-2.7950	1.00000
-3.20	1.0000	2.6791	3.6791	34.6880	-2.5950	1.00000
-3.00	1.0000	2.5791	3.6791	34.2270	-2.3950	1.00000
-2.80	1.0000	2.6791	3.6791	33.7670	-2.1950	1.00000
-2.60	1.0000	2.5791	3.6791	33.3060	-1.9948	1.00000
-2.40	1.0000	2.6791	3.6791	32.8460	-1.7948	1.00000
-2.20	1.0000	2.5791	3.6791	32.3850	-1.5948	1.00000
-2.00	1.0000	2.6791	3.6791	31.9250	-1.3948	1.00000
-1.80	1.0000	2.5791	3.6791	31.4640	-1.1947	1.00000
-1.60	1.0000	2.6791	3.6791	31.0040	-0.9947	1.00000
-1.40	1.0001	2.6791	3.6791	30.5430	-0.7947	1.00000
-1.20	1.0001	2.6790	3.6791	30.0830	-0.5947	1.00000
-1.00	1.0001	2.6790	3.6791	29.6230	-0.3947	1.00000
-0.80	1.0002	2.6789	3.6791	29.1620	-0.1947	1.00000
-0.60	1.0003	2.6790	3.6793	28.7010	0.0054	1.00000
-0.40	1.0005	2.6789	3.6794	28.2402	0.2055	1.00000
-0.20	1.0008	2.6788	3.6796	27.7793	0.4055	1.00000
0.0	1.0013	2.6789	3.6802	27.3250	0.6055	1.00000
0.20	1.0020	2.6786	3.6807	26.8635	0.8058	1.00000
0.40	1.0032	2.6783	3.6816	26.4015	1.0064	1.00000
0.60	1.0052	2.6777	3.6829	25.9384	1.2072	1.00000
0.80	1.0082	2.6766	3.6848	25.4737	1.4085	1.00000
1.00	1.0132	2.6749	3.6881	25.0067	1.6106	1.00000
1.20	1.0211	2.6722	3.6933	24.5357	1.8140	1.00000
1.40	1.0340	2.6677	3.7017	24.0583	2.0195	1.00000
1.60	1.0550	2.6607	3.7157	23.5706	2.2282	1.00000
1.80	1.0896	2.6511	3.7407	23.0680	2.4422	1.00000
2.00	1.1509	2.6353	3.7862	22.5376	2.6660	1.00000
2.20	1.2584	2.6283	3.8667	21.9581	2.9048	1.00000
2.40	1.4565	2.5752	4.0317	21.3053	3.1683	1.00000
2.60	1.9181	2.5463	4.4643	20.5158	3.4878	1.00000
2.80	3.2040	2.5283	5.8323	19.4686	3.9107	1.00000
3.00	6.9331	3.3977	10.3309	18.0683	4.4459	1.00000

T= 1200						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0000	2.7122	3.7122	43.7060	-6.3572	1.00000
-6.80	1.0000	2.7122	3.7122	43.2460	-6.1572	1.00000
-6.60	1.0000	2.7122	3.7122	42.7850	-5.9572	1.00000
-6.40	1.0000	2.7122	3.7122	42.3250	-5.7572	1.00000
-6.20	1.0000	2.7122	3.7122	41.8640	-5.5572	1.00000
-6.00	1.0000	2.7122	3.7122	41.4040	-5.3572	1.00000
-5.80	1.0000	2.7122	3.7122	40.9430	-5.1572	1.00000
-5.60	1.0000	2.7122	3.7122	40.4830	-4.9572	1.00000
-5.40	1.0000	2.7122	3.7122	40.0220	-4.7572	1.00000
-5.20	1.0000	2.7122	3.7122	39.5620	-4.5572	1.00000
-5.00	1.0000	2.7122	3.7122	39.1010	-4.3572	1.00000
-4.80	1.0000	2.7122	3.7122	38.6410	-4.1572	1.00000

T = 1200						
LOG RHO	Z	E/RT	1/RT	S/R	LJG P	Z*
-4.60	1.0000	2.7122	3.7122	38.1800	-3.9572	1.00000
-4.40	1.0000	2.7122	3.7122	37.7200	-3.7572	1.00000
-4.20	1.0000	2.7122	3.7122	37.2590	-3.5572	1.00000
-4.00	1.0000	2.7122	3.7122	36.7990	-3.3572	1.00000
-3.80	1.0000	2.7122	3.7122	36.3380	-3.1572	1.00000
-3.60	1.0000	2.7122	3.7122	35.8780	-2.9572	1.00000
-3.40	1.0000	2.7122	3.7122	35.4180	-2.7572	1.00000
-3.20	1.0000	2.7122	3.7122	34.9570	-2.5572	1.00000
-3.00	1.0000	2.7122	3.7122	34.4960	-2.3572	1.00000
-2.80	1.0000	2.7122	3.7122	34.0360	-2.1572	1.00000
-2.60	1.0000	2.7122	3.7122	33.5760	-1.9570	1.00000
-2.40	1.0000	2.7122	3.7122	33.1140	-1.7570	1.00000
-2.20	1.0000	2.7122	3.7122	32.6540	-1.5570	1.00000
-2.00	1.0000	2.7122	3.7122	32.1930	-1.3569	1.00000
-1.80	1.0000	2.7122	3.7122	31.7320	-1.1569	1.00000
-1.60	1.0000	2.7122	3.7122	31.2720	-0.9569	1.00000
-1.40	1.0001	2.7122	3.7122	30.8110	-0.7569	1.00000
-1.20	1.0001	2.7122	3.7122	30.3510	-0.5569	1.00000
-1.00	1.0001	2.7122	3.7122	29.8900	-0.3569	1.00000
-0.80	1.0002	2.7120	3.7122	29.4300	-0.1569	1.00000
-0.60	1.0003	2.7121	3.7124	28.9690	0.0432	1.00000
-0.40	1.0005	2.7121	3.7125	28.5082	0.2433	1.00000
-0.20	1.0008	2.7120	3.7128	28.0473	0.4434	1.00000
0.0	1.0013	2.7121	3.7134	27.5880	0.6433	1.00000
0.20	1.0021	2.7119	3.7140	27.1265	0.8437	1.00000
0.40	1.0033	2.7116	3.7149	26.6644	1.0442	1.00000
0.60	1.0054	2.7110	3.7164	26.2014	1.2451	1.00000
0.80	1.0085	2.7102	3.7186	25.7369	1.4464	1.00000
1.00	1.0135	2.7088	3.7223	25.2701	1.6486	1.00000
1.20	1.0217	2.7067	3.7284	24.7995	1.8521	1.00000
1.40	1.0349	2.7034	3.7383	24.3229	2.0577	1.00000
1.60	1.0564	2.6982	3.7546	23.8366	2.2666	1.00000
1.80	1.0916	2.6900	3.7817	23.3345	2.4808	1.00000
2.00	1.1544	2.6776	3.8320	22.8063	2.7051	1.00000
2.20	1.2635	2.6591	3.9226	22.2333	2.9443	1.00000
2.40	1.4621	2.6346	4.0967	21.5866	3.2077	1.00000
2.60	1.9195	2.6146	4.5341	20.8040	3.5259	1.00000
2.80	3.1536	2.7105	5.8640	19.7783	3.9416	1.00000
3.00	6.6351	3.4650	10.1001	18.4294	4.4645	1.00000

T = 1300						
LOG RHO	Z	E/RT	1/RT	S/R	LJG P	Z*
-7.00	1.0000	2.7452	3.7452	43.9570	-6.3225	1.00000
-6.80	1.0000	2.7452	3.7452	43.4970	-6.1225	1.00000
-6.60	1.0000	2.7452	3.7452	43.0360	-5.9225	1.00000
-6.40	1.0000	2.7452	3.7452	42.5760	-5.7225	1.00000
-6.20	1.0000	2.7452	3.7452	42.1150	-5.5225	1.00000
-6.00	1.0000	2.7452	3.7452	41.6550	-5.3225	1.00000
-5.80	1.0000	2.7452	3.7452	41.1940	-5.1225	1.00000
-5.60	1.0000	2.7452	3.7452	40.7340	-4.9225	1.00000
-5.40	1.0000	2.7452	3.7452	40.2730	-4.7225	1.00000
-5.20	1.0000	2.7452	3.7452	39.8130	-4.5225	1.00000
-5.00	1.0000	2.7452	3.7452	39.3520	-4.3225	1.00000
-4.80	1.0000	2.7452	3.7452	38.8920	-4.1225	1.00000

T = 1300						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0000	2.7452	3.7452	38.4310	-3.9225	1.00000
-4.40	1.0000	2.7452	3.7452	37.9710	-3.7225	1.00000
-4.20	1.0000	2.7452	3.7452	37.5100	-3.5225	1.00000
-4.00	1.0000	2.7452	3.7452	37.0500	-3.3225	1.00000
-3.80	1.0000	2.7452	3.7452	36.5890	-3.1225	1.00000
-3.60	1.0000	2.7452	3.7452	36.1290	-2.9225	1.00000
-3.40	1.0000	2.7452	3.7452	35.6680	-2.7225	1.00000
-3.20	1.0000	2.7452	3.7452	35.2080	-2.5225	1.00000
-3.00	1.0000	2.7452	3.7452	34.7470	-2.3225	1.00000
-2.80	1.0000	2.7452	3.7452	34.2860	-2.1225	1.00000
-2.60	1.0000	2.7452	3.7452	33.8260	-1.9222	1.00000
-2.40	1.0000	2.7452	3.7452	33.3650	-1.7222	1.00000
-2.20	1.0000	2.7452	3.7452	32.9050	-1.5222	1.00000
-2.00	1.0000	2.7452	3.7452	32.4440	-1.3222	1.00000
-1.80	1.0000	2.7452	3.7452	31.9830	-1.1222	1.00000
-1.60	1.0000	2.7452	3.7452	31.5230	-0.9222	1.00000
-1.40	1.0001	2.7452	3.7452	31.0620	-0.7222	1.00000
-1.20	1.0001	2.7451	3.7452	30.6020	-0.5222	1.00000
-1.00	1.0001	2.7451	3.7452	30.1410	-0.3222	1.00000
-0.80	1.0002	2.7451	3.7453	29.6810	-0.1222	1.00000
-0.60	1.0003	2.7451	3.7455	29.2200	0.0780	1.00000
-0.40	1.0005	2.7451	3.7456	28.7592	0.2780	1.00000
-0.20	1.0008	2.7450	3.7459	28.2984	0.4782	1.00000
0.0	1.0013	2.7451	3.7464	27.8380	0.6781	1.00000
0.20	1.0021	2.7450	3.7471	27.3766	0.8784	1.00000
0.40	1.0034	2.7446	3.7480	26.9145	1.0790	1.00000
0.60	1.0055	2.7442	3.7497	26.4416	1.2799	1.00000
0.80	1.0086	2.7436	3.7522	25.9772	1.4813	1.00000
1.00	1.0138	2.7425	3.7563	25.5105	1.6835	1.00000
1.20	1.0221	2.7409	3.7630	25.0403	1.8870	1.00000
1.40	1.0355	2.7386	3.7741	24.5645	2.0927	1.00000
1.60	1.0573	2.7350	3.7923	24.0794	2.3017	1.00000
1.80	1.0933	2.7282	3.8215	23.5781	2.5162	1.00000
2.00	1.1565	2.7188	3.8753	23.0521	2.7407	1.00000
2.20	1.2666	2.7073	3.9739	22.4849	2.9802	1.00000
2.40	1.4660	2.6902	4.1562	21.8439	3.2437	1.00000
2.60	1.9189	2.6777	4.5966	21.0675	3.5606	1.00000
2.80	3.1755	2.7843	5.8898	20.0607	3.9697	1.00000
3.00	6.3729	3.5210	9.8939	18.7536	4.4819	1.00000

T = 1400						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0000	2.7779	3.7779	44.1940	-6.2903	1.00000
-6.80	1.0000	2.7779	3.7779	43.7340	-6.0903	1.00000
-6.60	1.0000	2.7779	3.7779	43.2730	-5.8903	1.00000
-6.40	1.0000	2.7779	3.7779	42.8130	-5.6903	1.00000
-6.20	1.0000	2.7779	3.7779	42.3520	-5.4903	1.00000
-6.00	1.0000	2.7779	3.7779	41.8920	-5.2903	1.00000
-5.80	1.0000	2.7779	3.7779	41.4310	-5.0903	1.00000
-5.60	1.0000	2.7779	3.7779	40.9710	-4.8903	1.00000
-5.40	1.0000	2.7779	3.7779	40.5100	-4.6903	1.00000
-5.20	1.0000	2.7779	3.7779	40.0500	-4.4903	1.00000
-5.00	1.0000	2.7779	3.7779	39.5890	-4.2903	1.00000
-4.80	1.0000	2.7779	3.7779	39.1290	-4.0903	1.00000

T= 1400						
LOG RHO	Z	E/RT	4/RT	S/R	LOG P	Z*
-4.60	1.0000	2.7779	3.7779	38.6680	-3.8903	1.00000
-4.40	1.0000	2.7779	3.7779	38.2070	-3.6903	1.00000
-4.20	1.0000	2.7779	3.7779	37.7470	-3.4903	1.00000
-4.00	1.0000	2.7779	3.7779	37.2860	-3.2903	1.00000
-3.80	1.0000	2.7779	3.7779	36.8260	-3.0903	1.00000
-3.60	1.0000	2.7779	3.7779	36.3650	-2.8903	1.00000
-3.40	1.0000	2.7779	3.7779	35.9050	-2.6903	1.00000
-3.20	1.0000	2.7779	3.7779	35.4440	-2.4903	1.00000
-3.00	1.0000	2.7779	3.7779	34.9840	-2.2903	1.00000
-2.80	1.0000	2.7779	3.7779	34.5230	-2.0903	1.00000
-2.60	1.0000	2.7779	3.7779	34.0630	-1.8903	1.00000
-2.40	1.0000	2.7778	3.7778	33.6020	-1.6903	1.00000
-2.20	1.0000	2.7778	3.7778	33.1420	-1.4903	1.00000
-2.00	1.0000	2.7778	3.7778	32.6810	-1.2903	1.00000
-1.80	1.0000	2.7777	3.7777	32.2200	-1.0903	1.00000
-1.60	1.0000	2.7777	3.7777	31.7600	-0.8903	1.00000
-1.40	1.0001	2.7776	3.7777	31.2990	-0.6903	1.00000
-1.20	1.0001	2.7776	3.7777	30.8390	-0.4903	1.00000
-1.00	1.0001	2.7776	3.7777	30.3780	-0.2903	1.00000
-0.80	1.0002	2.7776	3.7778	29.9170	-0.0903	1.00000
-0.60	1.0003	2.7776	3.7780	29.4570	0.1102	1.00000
-0.40	1.0005	2.7776	3.7781	28.9963	0.3102	1.00000
-0.20	1.0009	2.7775	3.7784	28.5354	0.5104	1.00000
0.0	1.0013	2.7776	3.7789	28.0740	0.7103	1.00000
0.20	1.0022	2.7774	3.7796	27.6125	0.9106	1.00000
0.40	1.0034	2.7771	3.7805	27.1504	1.1112	1.00000
0.60	1.0055	2.7768	3.7823	26.6876	1.3121	1.00000
0.80	1.0088	2.7763	3.7851	26.2233	1.5135	1.00000
1.00	1.0140	2.7755	3.7894	25.7568	1.7157	1.00000
1.20	1.0223	2.7743	3.7966	25.2869	1.9193	1.00000
1.40	1.0359	2.7726	3.8085	24.8116	2.1250	1.00000
1.60	1.0590	2.7701	3.8281	24.3313	2.3342	1.00000
1.80	1.0945	2.7646	3.8592	23.8469	2.5489	1.00000
2.00	1.1578	2.7576	3.9154	23.2927	2.7733	1.00000
2.20	1.2683	2.7510	4.0193	22.7297	3.0129	1.00000
2.40	1.4687	2.7395	4.2082	22.0933	3.2766	1.00000
2.60	1.9149	2.7338	4.6506	21.3229	3.5923	1.00000
2.80	3.0630	2.8490	5.9391	20.3331	3.9954	1.00000
3.00	6.1411	3.5561	9.7072	19.0602	4.4980	1.00000

T= 1500						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0012	2.8587	3.8509	44.4710	-6.2595	1.00124
-6.80	1.0010	2.8486	3.8496	43.9998	-6.0596	1.00098
-6.60	1.0008	2.8406	3.8414	43.5309	-5.8597	1.00078
-6.40	1.0006	2.8342	3.8348	43.0637	-5.6598	1.00062
-6.20	1.0005	2.8291	3.8296	42.5978	-5.4598	1.00049
-6.00	1.0004	2.8251	3.8255	42.1331	-5.2599	1.00039
-5.80	1.0003	2.8219	3.8222	41.6692	-5.0599	1.00031
-5.60	1.0002	2.8194	3.8196	41.2060	-4.8599	1.00025
-5.40	1.0002	2.8173	3.8175	40.7434	-4.6600	1.00020
-5.20	1.0002	2.8157	3.8159	40.2812	-4.4600	1.00016
-5.00	1.0001	2.8145	3.8146	39.8193	-4.2600	1.00012
-4.80	1.0001	2.8134	3.8135	39.3577	-4.0600	1.00010



T= 1500						
LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-4.60	1.0001	2.8126	3.8127	38.8964	-3.8600	1.00008
-4.40	1.0001	2.8120	3.8121	38.4352	-3.6600	1.00006
-4.20	1.0000	2.8115	3.8115	37.9741	-3.4600	1.00005
-4.00	1.0000	2.8111	3.8111	37.5132	-3.2600	1.00004
-3.80	1.0000	2.8108	3.8108	37.0523	-3.0600	1.00003
-3.60	1.0000	2.8105	3.8105	36.5916	-2.8600	1.00002
-3.40	1.0000	2.8103	3.8103	36.1308	-2.6600	1.00002
-3.20	1.0000	2.8102	3.8102	35.6701	-2.4600	1.00002
-3.00	1.0000	2.8100	3.8100	35.2095	-2.2600	1.00001
-2.80	1.0000	2.8099	3.8099	34.7489	-2.0600	1.00001
-2.60	1.0000	2.8098	3.8099	34.2883	-1.8600	1.00001
-2.40	1.0000	2.8098	3.8098	33.8277	-1.6600	1.00001
-2.20	1.0000	2.8097	3.8097	33.3671	-1.4600	1.00000
-2.00	1.0000	2.8097	3.8097	32.9065	-1.2600	1.00000
-1.80	1.0000	2.8097	3.8097	32.4460	-1.0600	1.00000
-1.60	1.0000	2.8096	3.8097	31.9854	-0.8600	1.00000
-1.40	1.0001	2.8096	3.8097	31.5249	-0.6600	1.00000
-1.20	1.0001	2.8096	3.8097	31.0643	-0.4600	1.00000
-1.00	1.0001	2.8096	3.8097	30.6037	-0.2600	1.00000
-0.80	1.0002	2.8096	3.8098	30.1431	-0.0600	1.00000
-0.60	1.0003	2.8095	3.8099	29.6824	0.1401	1.00000
-0.40	1.0005	2.8095	3.8101	29.2217	0.3402	0.99999
-0.20	1.0009	2.8095	3.8103	28.7608	0.5403	0.99999
0.0	1.0014	2.8094	3.8108	28.2997	0.7403	0.99999
0.20	1.0022	2.8091	3.8113	27.8381	0.9406	0.99999
0.40	1.0035	2.8089	3.8124	27.3761	1.1412	0.99999
0.60	1.0056	2.8086	3.8142	26.9132	1.3421	0.99998
0.80	1.0088	2.8083	3.8171	26.4491	1.5435	0.99998
1.00	1.0141	2.8076	3.8217	25.9827	1.7458	0.99997
1.20	1.0225	2.8066	3.8291	25.5129	1.9493	0.99996
1.40	1.0362	2.8052	3.8414	25.0378	2.1551	0.99995
1.60	1.0585	2.8031	3.8615	24.5538	2.3643	0.99993
1.80	1.0955	2.7987	3.8942	24.0541	2.5793	0.99991
2.00	1.1586	2.7932	3.9518	23.5309	2.8036	0.99985
2.20	1.2693	2.7883	4.0576	22.9693	3.0432	0.99978
2.40	1.4704	2.7803	4.2507	22.3357	3.3071	0.99960
2.60	1.9138	2.7807	4.6945	21.5714	3.6216	0.99938
2.80	3.0172	2.9027	5.9199	20.5963	4.0193	0.99912
3.00	5.9351	3.5990	9.5341	19.3516	4.5131	0.99884
3.55					5.875	

T= 1600						
LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-7.00	1.0042	3.0001	4.0043	44.8004	-6.2302	1.00425
-6.80	1.0034	2.9678	3.9712	44.3059	-6.0306	1.00338
-6.60	1.0027	2.9421	3.9447	43.8182	-5.8309	1.00269
-6.40	1.0021	2.9215	3.9237	43.3361	-5.6311	1.00214
-6.20	1.0017	2.9052	3.9069	42.8584	-5.4313	1.00170
-6.00	1.0013	2.8922	3.8934	42.3841	-5.2314	1.00135
-5.80	1.0011	2.8819	3.8830	41.9127	-5.0315	1.00109
-5.60	1.0009	2.8737	3.8745	41.4435	-4.8316	1.00086
-5.40	1.0007	2.8671	3.8678	40.9761	-4.6317	1.00058
-5.20	1.0005	2.8619	3.8625	40.5101	-4.4318	1.00054
-5.00	1.0004	2.8578	3.8582	40.0453	-4.2318	1.00043
-4.80	1.0003	2.8545	3.8549	39.5813	-4.0319	1.00034

T= 1600						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0003	2.8519	3.8522	39.1180	-3.8319	1.00027
-4.40	1.0002	2.8498	3.8501	38.6553	-3.6319	1.00022
-4.20	1.0002	2.8482	3.8484	38.1931	-3.4319	1.00017
-4.00	1.0001	2.8469	3.8470	37.7312	-3.2320	1.00014
-3.80	1.0001	2.8458	3.8460	37.2696	-3.0320	1.00011
-3.60	1.0001	2.8450	3.8451	36.8082	-2.8320	1.00009
-3.40	1.0001	2.8444	3.8444	36.3470	-2.6320	1.00007
-3.20	1.0000	2.8438	3.8439	35.8859	-2.4320	1.00005
-3.00	1.0000	2.8434	3.8435	35.4250	-2.2320	1.00004
-2.80	1.0000	2.8431	3.8431	34.9641	-2.0320	1.00003
-2.60	1.0000	2.8428	3.8429	34.5033	-1.8320	1.00003
-2.40	1.0000	2.8426	3.8427	34.0426	-1.6320	1.00002
-2.20	1.0000	2.8425	3.8425	33.5819	-1.4320	1.00002
-2.00	1.0000	2.8423	3.8424	33.1212	-1.2320	1.00001
-1.80	1.0000	2.8422	3.8423	32.6606	-1.0320	1.00001
-1.60	1.0000	2.8422	3.8422	32.2000	-0.8320	1.00001
-1.40	1.0000	2.8421	3.8421	31.7394	-0.6320	1.00000
-1.20	1.0000	2.8420	3.8421	31.2788	-0.4320	1.00000
-1.00	1.0000	2.8420	3.8421	30.8181	-0.2320	1.00000
-0.80	1.0000	2.8420	3.8422	30.3575	-0.0319	1.00000
-0.60	1.0000	2.8419	3.8423	29.8968	0.1681	1.00000
-0.40	1.0000	2.8419	3.8424	29.4361	0.3682	0.99999
-0.20	1.0000	2.8418	3.8427	29.9752	0.5684	0.99999
0.0	1.0014	2.8418	3.8432	28.5141	0.7683	0.99999
0.20	1.0022	2.8416	3.8438	28.0526	0.9687	0.99999
0.40	1.0035	2.8414	3.8449	27.5906	1.1692	0.99999
0.60	1.0056	2.8412	3.8468	27.1278	1.3701	0.99998
0.80	1.0089	2.8409	3.8498	26.6637	1.5716	0.99997
1.00	1.0142	2.8403	3.8545	26.1973	1.7738	0.99996
1.20	1.0227	2.8394	3.8621	25.7276	1.9774	0.99995
1.40	1.0364	2.8381	3.8745	25.2524	2.1832	0.99994
1.60	1.0588	2.8361	3.8950	24.7684	2.3925	0.99992
1.80	1.0952	2.8326	3.9289	24.2694	2.6076	0.99988
2.00	1.1593	2.8280	3.9872	23.7468	2.8319	0.99983
2.20	1.2701	2.8231	4.0932	23.1848	3.0715	0.99973
2.40	1.4714	2.8173	4.2887	22.5530	3.3354	0.99951
2.60	1.9099	2.8234	4.7333	21.7945	3.6487	0.99924
2.80	2.9769	2.9505	5.9274	20.8327	4.0415	0.99891
3.00	5.7513	3.6255	9.3768	19.6109	4.5275	0.99858

T= 1700						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0124	3.3090	4.3215	45.2991	-6.2003	1.01244
-6.80	1.0099	3.2217	4.2317	44.7461	-6.0014	1.00994
-6.60	1.0079	3.1515	4.1595	44.2113	-5.8023	1.00794
-6.40	1.0063	3.0953	4.1016	43.6913	-5.6030	1.00633
-6.20	1.0050	3.0503	4.0553	43.1832	-5.4035	1.00505
-6.00	1.0040	3.0143	4.0183	42.6846	-5.2040	1.00402
-5.80	1.0032	2.9856	3.9888	42.1937	-5.0043	1.00320
-5.60	1.0025	2.9628	3.9653	41.7090	-4.8046	1.00254
-5.40	1.0020	2.9445	3.9466	41.2292	-4.6048	1.00202
-5.20	1.0016	2.9300	3.9315	40.7534	-4.4050	1.00161
-5.00	1.0013	2.9185	3.9198	40.2807	-4.2051	1.00128
-4.80	1.0010	2.9093	3.9103	39.8104	-4.0053	1.00102

T = 1700

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0008	2.9020	3.9028	39.3422	-3.8753	1.00081
-4.40	1.0006	2.8962	3.8968	38.8755	-3.6054	1.00064
-4.20	1.0005	2.8916	3.8921	38.4102	-3.4055	1.00051
-4.00	1.0004	2.8879	3.8883	37.9458	-3.2055	1.00041
-3.80	1.0003	2.8850	3.8853	37.4822	-3.0056	1.00032
-3.60	1.0003	2.8827	3.8829	37.0192	-2.8056	1.00026
-3.40	1.0002	2.8808	3.8810	36.5557	-2.6056	1.00020
-3.20	1.0002	2.8774	3.8795	36.0947	-2.4056	1.00016
-3.00	1.0001	2.8782	3.8783	35.6329	-2.2056	1.00013
-2.80	1.0001	2.8773	3.8774	35.1714	-2.0056	1.00010
-2.60	1.0001	2.8766	3.8766	34.7101	-1.8057	1.00008
-2.40	1.0001	2.8760	3.8760	34.2490	-1.6057	1.00006
-2.20	1.0001	2.8755	3.8756	33.7880	-1.4057	1.00005
-2.00	1.0000	2.8751	3.8752	33.3271	-1.2057	1.00004
-1.80	1.0000	2.8749	3.8749	32.8663	-1.0057	1.00003
-1.60	1.0001	2.8746	3.8747	32.4055	-0.8057	1.00002
-1.40	1.0001	2.8744	3.8745	31.9447	-0.6057	1.00002
-1.20	1.0001	2.8743	3.8744	31.4841	-0.4056	1.00001
-1.00	1.0001	2.8742	3.8743	31.0234	-0.2056	1.00001
-0.80	1.0002	2.8741	3.8743	30.5627	-0.0056	1.00000
-0.60	1.0004	2.8740	3.8744	30.1019	0.1945	1.00000
-0.40	1.0006	2.8739	3.8745	29.6411	0.3945	1.00000
-0.20	1.0009	2.8739	3.8748	29.1802	0.5947	0.99999
0.0	1.0014	2.8752	3.8766	28.7191	0.7946	0.99999
0.20	1.0022	2.8751	3.8774	28.2577	0.9950	0.99999
0.40	1.0035	2.8750	3.8785	27.7957	1.1956	0.99998
0.60	1.0056	2.8748	3.8804	27.3329	1.3965	0.99997
0.80	1.0090	2.8745	3.8835	26.8689	1.5979	0.99997
1.00	1.0143	2.8740	3.8883	26.4025	1.8002	0.99996
1.20	1.0228	2.8732	3.8961	25.9329	2.0038	0.99994
1.40	1.0366	2.8720	3.9086	25.4577	2.2096	0.99993
1.60	1.0591	2.8702	3.9294	24.9739	2.4190	0.99990
1.80	1.0967	2.8675	3.9643	24.4754	2.6341	0.99986
2.00	1.1598	2.8638	4.0237	23.9534	2.8584	0.99980
2.20	1.2708	2.8593	4.1301	23.3916	3.0981	0.99969
2.40	1.4718	2.9556	4.3275	22.7616	3.3619	0.99941
2.60	1.9054	2.8666	4.7721	22.0085	3.6740	0.99914
2.80	2.9391	2.9976	5.9368	21.0584	4.0622	0.99877
3.00	5.5862	3.6511	9.2373	19.8553	4.5411	0.99860

T = 1800

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0312	3.9357	4.9670	46.1312	-6.1675	1.03124
-6.80	1.0252	3.7375	4.7628	45.4595	-5.9700	1.02523
-6.60	1.0203	3.5751	4.5954	44.8262	-5.7721	1.02031
-6.40	1.0163	3.4429	4.4592	44.2251	-5.5738	1.01630
-6.20	1.0131	3.3359	4.3490	43.6508	-5.3752	1.01306
-6.00	1.0104	3.2495	4.2600	43.0985	-5.1764	1.01044
-5.80	1.0083	3.1801	4.1884	42.5642	-4.9773	1.00834
-5.60	1.0066	3.1244	4.1311	42.0446	-4.7780	1.00665
-5.40	1.0053	3.0798	4.0851	41.5368	-4.5785	1.00530
-5.20	1.0042	3.0442	4.0484	41.0385	-4.3790	1.00422
-5.00	1.0034	3.0158	4.0192	40.5478	-4.1794	1.00336
-4.80	1.0027	2.9931	3.9958	40.0632	-3.9797	1.00267

T= 1800						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0021	2.9751	3.9772	39.5835	-3.7799	1.00213
-4.40	1.0017	2.9607	3.9624	39.1077	-3.5801	1.00169
-4.20	1.0013	2.9492	3.9506	38.6351	-3.3803	1.00134
-4.00	1.0011	2.9401	3.9412	38.1649	-3.1804	1.00107
-3.80	1.0008	2.9329	3.9337	37.6967	-2.9805	1.00085
-3.60	1.0007	2.9271	3.9278	37.2301	-2.7806	1.00067
-3.40	1.0005	2.9226	3.9231	36.7647	-2.5806	1.00054
-3.20	1.0004	2.9189	3.9193	36.3003	-2.3807	1.00043
-3.00	1.0003	2.9160	3.9164	35.8367	-2.1807	1.00034
-2.80	1.0003	2.9137	3.9140	35.3738	-1.9808	1.00027
-2.60	1.0002	2.9119	3.9121	34.9113	-1.7808	1.00021
-2.40	1.0002	2.9105	3.9106	34.4493	-1.5808	1.00017
-2.20	1.0001	2.9093	3.9094	33.9875	-1.3808	1.00013
-2.00	1.0001	2.9084	3.9085	33.5260	-1.1808	1.00011
-1.80	1.0001	2.9077	3.9078	33.0648	-0.9808	1.00008
-1.60	1.0001	2.9071	3.9072	32.6036	-0.7808	1.00007
-1.40	1.0001	2.9066	3.9067	32.1426	-0.5808	1.00005
-1.20	1.0001	2.9063	3.9064	31.6817	-0.3808	1.00004
-1.00	1.0002	2.9060	3.9062	31.2208	-0.1808	1.00003
-0.80	1.0002	2.9058	3.9060	30.7599	0.0192	1.00002
-0.60	1.0004	2.9056	3.9059	30.2991	0.2193	1.00001
-0.40	1.0006	2.9054	3.9060	29.8382	0.4194	1.00001
-0.20	1.0009	2.9053	3.9062	29.3773	0.6195	1.00000
0.0	1.0014	2.9052	3.9066	28.9161	0.8195	0.99999
0.20	1.0022	2.9051	3.9073	28.4547	1.0198	0.99999
0.40	1.0036	2.9050	3.9085	27.9927	1.2204	0.99998
0.60	1.0056	2.9047	3.9104	27.5299	1.4213	0.99997
0.80	1.0090	2.9045	3.9135	27.0658	1.6227	0.99995
1.00	1.0144	2.9041	3.9184	26.5996	1.8250	0.99995
1.20	1.0229	2.9034	3.9263	26.1300	2.0287	0.99994
1.40	1.0368	2.9024	3.9391	25.6549	2.2345	0.99991
1.60	1.0594	2.9007	3.9601	25.1710	2.4439	0.99988
1.80	1.0971	2.8988	3.9959	24.6733	2.6591	0.99984
2.00	1.1603	2.8960	4.0563	24.1520	2.8834	0.99976
2.20	1.2713	2.8922	4.1635	23.5907	3.1231	0.99967
2.40	1.4718	2.8906	4.3624	22.9626	3.3867	0.99930
2.60	1.9006	2.9059	4.8065	22.2146	3.6977	0.99898
2.80	2.9037	3.0399	5.9436	21.2750	4.0818	0.99866
3.00	5.4375	3.5719	9.1094	20.0872	4.5543	0.99835

T= 1900						
LOG RHO	Z	F/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0666	5.0136	6.0802	47.4486	-6.1294	1.06656
-6.80	1.0550	4.6526	5.7076	46.5992	-5.9341	1.05499
-6.60	1.0451	4.3433	5.3883	45.8063	-5.7382	1.04507
-6.40	1.0367	4.0823	5.1190	45.0661	-5.5417	1.03671
-6.20	1.0297	3.8651	4.8948	44.3730	-5.3447	1.02975
-6.00	1.0240	3.6859	4.7099	43.7211	-5.1471	1.02401
-5.80	1.0193	3.5394	4.5587	43.1041	-4.9491	1.01931
-5.60	1.0155	3.4202	4.4357	42.5164	-4.7507	1.01550
-5.40	1.0124	3.3238	4.3362	41.9531	-4.5520	1.01241
-5.20	1.0099	3.2461	4.2560	41.4098	-4.3531	1.00992
-5.00	1.0079	3.1837	4.1916	40.8827	-4.1540	1.00792
-4.80	1.0063	3.1336	4.1399	40.3689	-3.9547	1.00632

T = 1900

LOG RHO	Z	F/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0050	3.0936	4.0986	39.8657	-3.7552	1.00503
-4.40	1.0040	3.0616	4.0656	39.3711	-3.5557	1.00401
-4.20	1.0032	3.0360	4.0392	38.8834	-3.3560	1.00319
-4.00	1.0025	3.0157	4.0182	39.4012	-3.1563	1.00254
-3.80	1.0020	2.9995	4.0015	37.9235	-2.9565	1.00202
-3.60	1.0016	2.9866	3.9882	37.4492	-2.7567	1.00160
-3.40	1.0013	2.9763	3.9775	36.9778	-2.5568	1.00128
-3.20	1.0010	2.9681	3.9691	36.5085	-2.3569	1.00101
-3.00	1.0008	2.9616	3.9624	36.0411	-2.1570	1.00081
-2.80	1.0006	2.9565	3.9571	35.5751	-1.9571	1.00064
-2.60	1.0005	2.9523	3.9529	35.1102	-1.7572	1.00051
-2.40	1.0004	2.9491	3.9495	34.6462	-1.5572	1.00040
-2.20	1.0003	2.9465	3.9468	34.1829	-1.3572	1.00032
-2.00	1.0003	2.9444	3.9447	33.7202	-1.1573	1.00025
-1.80	1.0002	2.9428	3.9430	33.2580	-0.9573	1.00020
-1.60	1.0002	2.9415	3.9417	32.7961	-0.7573	1.00016
-1.40	1.0002	2.9405	3.9406	32.3344	-0.5573	1.00012
-1.20	1.0002	2.9396	3.9398	31.8730	-0.3573	1.00010
-1.00	1.0002	2.9390	3.9392	31.4117	-0.1573	1.00007
-0.80	1.0003	2.9385	3.9388	30.9506	0.0427	1.00006
-0.60	1.0004	2.9381	3.9385	30.4895	0.2428	1.00004
-0.40	1.0006	2.9377	3.9383	30.0284	0.4429	1.00003
-0.20	1.0009	2.9375	3.9384	29.5673	0.6430	1.00002
0.0	1.0014	2.9372	3.9387	29.1060	0.8430	1.00001
0.20	1.0023	2.9371	3.9393	28.6445	1.0433	1.00000
0.40	1.0036	2.9369	3.9405	28.1825	1.2439	0.99999
0.60	1.0057	2.9357	3.9424	27.7196	1.4448	0.99999
0.80	1.0090	2.9364	3.9455	27.2555	1.6462	0.99996
1.00	1.0144	2.9361	3.9505	26.7893	1.8485	0.99995
1.20	1.0230	2.9355	3.9585	26.3198	2.0522	0.99993
1.40	1.0369	2.9346	3.9715	25.8448	2.2581	0.99990
1.60	1.0596	2.9333	3.9929	25.3612	2.4675	0.99987
1.80	1.0973	2.9319	4.0292	24.8640	2.6826	0.99981
2.00	1.1607	2.9300	4.0907	24.3434	2.9071	0.99973
2.20	1.2716	2.9273	4.1989	23.7830	3.1467	0.99956
2.40	1.4714	2.9279	4.3992	23.1571	3.4100	0.99919
2.60	1.8955	2.9469	4.8424	22.4137	3.7200	0.99874
2.80	2.8705	3.0829	5.9535	21.4835	4.1003	0.99826
3.00	5.3030	3.6937	8.9967	20.3081	4.5669	0.99777

T = 2000

LOG RHO	Z	F/RT	H/RT	S/R	LOG P	Z*
-7.00	1.1166	6.4177	7.5343	49.1448	-6.0872	1.11662
-6.80	1.1005	5.9404	7.0408	48.1570	-5.8935	1.10047
-6.60	1.0853	5.4907	6.5760	47.2041	-5.6996	1.08526
-6.40	1.0714	5.0820	6.1534	46.2989	-5.5051	1.07144
-6.20	1.0592	4.7210	5.7802	45.4473	-5.3101	1.05923
-6.00	1.0487	4.4092	5.4579	44.6502	-5.1145	1.04869
-5.80	1.0397	4.1447	5.1844	43.9049	-4.9182	1.03975
-5.60	1.0323	3.9234	4.9557	43.2066	-4.7213	1.03228
-5.40	1.0261	3.7403	4.7663	42.5495	-4.5239	1.02609
-5.20	1.0210	3.5900	4.6110	41.9280	-4.3261	1.02101
-5.00	1.0169	3.4676	4.4845	41.3363	-4.1278	1.01688
-4.80	1.0135	3.3684	4.3819	40.7696	-3.9293	1.01352

T= 2000						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0108	3.2883	4.2991	40.2234	-3.7304	1.01082
-4.40	1.0096	3.2238	4.2325	39.6940	-3.5314	1.00864
-4.20	1.0069	3.1721	4.1790	39.1782	-3.3321	1.00689
-4.00	1.0055	3.1307	4.1362	38.6735	-3.1327	1.00549
-3.80	1.0044	3.0976	4.1020	38.1776	-2.9332	1.00438
-3.60	1.0035	3.0712	4.0747	37.6889	-2.7336	1.00348
-3.40	1.0028	3.0501	4.0529	37.2058	-2.5339	1.00277
-3.20	1.0022	3.0333	4.0355	36.7274	-2.3342	1.00220
-3.00	1.0017	3.0200	4.0217	36.2526	-2.1343	1.00175
-2.80	1.0014	3.0093	4.0107	35.7807	-1.9345	1.00139
-2.60	1.0011	3.0009	4.0020	35.3111	-1.7346	1.00111
-2.40	1.0009	2.9941	3.9950	34.8434	-1.5347	1.00088
-2.20	1.0007	2.9888	3.9895	34.3772	-1.3348	1.00070
-2.00	1.0006	2.9845	3.9851	33.9121	-1.1349	1.00055
-1.80	1.0005	2.9811	3.9816	33.4480	-0.9349	1.00044
-1.60	1.0004	2.9785	3.9789	32.9846	-0.7349	1.00035
-1.40	1.0003	2.9763	3.9766	32.5218	-0.5350	1.00027
-1.20	1.0003	2.9746	3.9749	32.0594	-0.3350	1.00022
-1.00	1.0003	2.9733	3.9735	31.5974	-0.1350	1.00017
-0.80	1.0004	2.9722	3.9726	31.1357	0.0650	1.00013
-0.60	1.0005	2.9714	3.9719	30.6741	0.2651	1.00010
-0.40	1.0006	2.9707	3.9713	30.2127	0.4652	1.00007
-0.20	1.0010	2.9701	3.9711	29.7513	0.6653	1.00005
0.0	1.0015	2.9697	3.9712	29.2897	0.8652	1.00003
0.20	1.0023	2.9694	3.9717	28.8280	1.0655	1.00002
0.40	1.0036	2.9692	3.9728	28.3659	1.2662	1.00000
0.60	1.0057	2.9689	3.9746	27.9030	1.4671	0.99999
0.80	1.0091	2.9686	3.9777	27.4389	1.6685	0.99997
1.00	1.0145	2.9683	3.9828	26.9727	1.8708	0.99995
1.20	1.0231	2.9679	3.9909	26.5033	2.0745	0.99992
1.40	1.0370	2.9672	4.0042	26.0285	2.2804	0.99989
1.60	1.0597	2.9661	4.0259	25.5451	2.4898	0.99985
1.80	1.0974	2.9652	4.0626	25.0482	2.7050	0.99979
2.00	1.1610	2.9641	4.1250	24.5284	2.9294	0.99969
2.20	1.2717	2.9629	4.2347	23.9694	3.1690	0.99950
2.40	1.4706	2.9657	4.4364	23.3458	3.4321	0.99908
2.60	1.8901	2.9880	4.8782	22.6068	3.7411	0.99862
2.80	2.8396	3.1255	5.9651	21.6850	4.1179	0.99814
3.00	5.1810	3.7156	8.9966	21.5197	4.5790	0.99764

T= 2100						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.1639	7.6019	8.7659	50.6732	-6.0480	1.16388
-6.80	1.1496	7.2017	9.3513	49.7403	-5.8534	1.14950
-6.60	1.1338	6.7600	7.8938	48.7728	-5.6594	1.13383
-6.40	1.1174	6.3004	7.4179	47.7948	-5.4657	1.11745
-6.20	1.1013	5.8468	6.9480	46.8303	-5.2720	1.10129
-6.00	1.0860	5.4183	6.5043	45.8982	-5.0781	1.08604
-5.80	1.0721	5.0279	6.1001	45.0110	-4.8837	1.07214
-5.60	1.0599	4.6825	5.7424	44.1748	-4.6887	1.05986
-5.40	1.0492	4.3839	5.4331	43.3905	-4.4930	1.04923
-5.20	1.0402	4.1302	5.1704	42.6558	-4.2968	1.04021
-5.00	1.0327	3.9178	4.9505	41.9662	-4.1000	1.03266
-4.80	1.0264	3.7419	4.7683	41.3162	-3.9026	1.02641

T= 2100						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0213	3.5975	4.6188	40.7003	-3.7048	1.02127
-4.40	1.0171	3.4798	4.4969	40.1133	-3.5065	1.01709
-4.20	1.0137	3.3843	4.3980	39.5503	-3.3080	1.01369
-4.00	1.0110	3.3073	4.3182	39.0071	-3.1092	1.01096
-3.80	1.0087	3.2453	4.2540	38.4800	-2.9101	1.00875
-3.60	1.0070	3.1955	4.2025	37.9661	-2.7129	1.00698
-3.40	1.0056	3.1556	4.1612	37.4629	-2.5115	1.00537
-3.20	1.0044	3.1238	4.1282	36.9682	-2.3120	1.00443
-3.00	1.0035	3.0983	4.1019	36.4904	-2.1124	1.00353
-2.80	1.0028	3.0781	4.0809	35.9982	-1.9127	1.00281
-2.60	1.0022	3.0619	4.0641	35.5203	-1.7130	1.00223
-2.40	1.0018	3.0490	4.0509	35.0460	-1.5131	1.00178
-2.20	1.0014	3.0398	4.0402	34.5745	-1.3133	1.00141
-2.00	1.0011	3.0306	4.0317	34.1053	-1.1134	1.00112
-1.80	1.0009	3.0241	4.0250	33.6378	-0.9135	1.00089
-1.60	1.0007	3.0190	4.0197	33.1717	-0.7136	1.00071
-1.40	1.0006	3.0149	4.0155	32.7068	-0.5137	1.00056
-1.20	1.0005	3.0116	4.0122	32.2428	-0.3137	1.00044
-1.00	1.0005	3.0090	4.0095	31.7794	-0.1137	1.00035
-0.80	1.0005	3.0070	4.0075	31.3166	0.0863	1.00027
-0.60	1.0006	3.0054	4.0059	30.8542	0.2863	1.00021
-0.40	1.0007	3.0041	4.0048	30.3921	0.4864	1.00016
-0.20	1.0010	3.0030	4.0041	29.9302	0.6865	1.00012
0.0	1.0015	3.0022	4.0037	29.4682	0.8865	1.00009
0.20	1.0023	3.0016	4.0040	29.0062	1.0868	1.00006
0.40	1.0036	3.0012	4.0048	28.5439	1.2874	1.00003
0.60	1.0057	3.0008	4.0065	28.0808	1.4883	1.00001
0.80	1.0091	3.0004	4.0095	27.6166	1.6897	0.99999
1.00	1.0145	3.0000	4.0145	27.1504	1.8920	0.99996
1.20	1.0231	2.9996	4.0229	26.6810	2.0957	0.99993
1.40	1.0371	2.9991	4.0362	26.2063	2.3016	0.99989
1.60	1.0598	2.9984	4.0582	25.7232	2.5110	0.99984
1.80	1.0974	2.9978	4.0952	25.2266	2.7262	0.99977
2.00	1.1611	2.9973	4.1584	24.7074	2.9507	0.99966
2.20	1.2716	2.9979	4.2695	24.1501	3.1902	0.99944
2.40	1.4697	3.0028	4.4725	23.5289	3.4530	0.99897
2.60	1.8847	3.0280	4.9127	22.7939	3.7610	0.99848
2.80	2.8105	3.1662	5.9768	21.8795	4.1346	0.99795
3.00	5.0697	3.7363	8.8060	20.7225	4.5908	0.99742

T= 2200						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.1915	8.1448	9.3362	51.5841	-6.0175	1.19147
-6.80	1.1936	7.9358	9.1194	50.8282	-5.8205	1.18357
-6.60	1.1733	7.6627	8.8360	50.0123	-5.6243	1.17328
-6.40	1.1606	7.3257	8.4863	49.1379	-5.4290	1.16061
-6.20	1.1460	6.9352	8.0812	48.2162	-5.2345	1.14596
-6.00	1.1300	6.5100	7.6400	47.2469	-5.0405	1.13002
-5.80	1.1136	6.0729	7.1865	46.3132	-4.8470	1.11365
-5.60	1.0977	5.6458	6.7435	45.3770	-4.6532	1.09768
-5.40	1.0827	5.2458	6.3286	44.4750	-4.4592	1.08272
-5.20	1.0692	4.8840	5.9532	43.6177	-4.2647	1.06920
-5.00	1.0573	4.5655	5.6229	42.8096	-4.0695	1.05730
-4.80	1.0470	4.2912	5.3382	42.0509	-3.8738	1.04705

T= 2200						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0384	4.0590	5.0974	41.3385	-3.6774	1.03838
-4.40	1.0311	3.8651	4.8962	40.5682	-3.4804	1.03114
-4.20	1.0252	3.7048	4.7299	40.0345	-3.2829	1.02516
-4.00	1.0202	3.5734	4.5937	39.4322	-3.0850	1.02025
-3.80	1.0163	3.4665	4.4827	38.8563	-2.8867	1.01626
-3.60	1.0130	3.3798	4.3929	38.3024	-2.6881	1.01303
-3.40	1.0104	3.3099	4.3203	37.7666	-2.4892	1.01042
-3.20	1.0083	3.2537	4.2620	37.2456	-2.2901	1.00832
-3.00	1.0066	3.2086	4.2152	36.7366	-2.0908	1.00664
-2.80	1.0053	3.1725	4.1778	36.2372	-1.8914	1.00529
-2.60	1.0042	3.1437	4.1479	35.7457	-1.6919	1.00421
-2.40	1.0034	3.1206	4.1240	35.2604	-1.4923	1.00335
-2.20	1.0027	3.1023	4.1049	34.7801	-1.2926	1.00267
-2.00	1.0021	3.0876	4.0898	34.3039	-1.0928	1.00212
-1.80	1.0017	3.0760	4.0777	33.8308	-0.8930	1.00168
-1.60	1.0014	3.0667	4.0681	33.3603	-0.6931	1.00134
-1.40	1.0011	3.0593	4.0605	32.8919	-0.4932	1.00106
-1.20	1.0009	3.0535	4.0544	32.4250	-0.2933	1.00084
-1.00	1.0008	3.0488	4.0496	31.9594	-0.0934	1.00067
-0.80	1.0007	3.0451	4.0459	31.4949	0.1066	1.00052
-0.60	1.0008	3.0422	4.0429	31.0311	0.3066	1.00041
-0.40	1.0009	3.0398	4.0407	30.5678	0.5067	1.00032
-0.20	1.0012	3.0380	4.0391	30.1050	0.7068	1.00025
0.0	1.0016	3.0365	4.0381	29.6423	0.9067	1.00019
0.20	1.0024	3.0354	4.0378	29.1797	1.1070	1.00014
0.40	1.0037	3.0345	4.0382	28.7169	1.3076	1.00009
0.60	1.0058	3.0337	4.0395	28.2535	1.5085	1.00005
0.80	1.0092	3.0331	4.0423	27.7890	1.7100	1.00002
1.00	1.0145	3.0326	4.0471	27.3226	1.9123	0.99998
1.20	1.0232	3.0321	4.0553	26.8531	2.1160	0.99994
1.40	1.0371	3.0316	4.0698	26.3784	2.3218	0.99990
1.60	1.0599	3.0312	4.0911	25.8956	2.5313	0.99984
1.80	1.0975	3.0308	4.1283	25.3992	2.7464	0.99975
2.00	1.1610	3.0310	4.1920	24.8806	2.9708	0.99962
2.20	1.2713	3.0330	4.3043	24.3248	3.2103	0.99938
2.40	1.4636	3.0398	4.5084	23.7056	3.4729	0.99885
2.60	1.8792	3.0675	4.9467	22.9744	3.7800	0.99831
2.80	2.7833	3.2061	5.9894	22.0670	4.1506	0.99774
3.00	4.9681	3.7568	8.7249	20.9167	4.6022	0.99711

T= 2300						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.2027	9.2183	9.4210	52.0228	-5.9943	1.20271
-6.80	1.1993	9.1344	9.3338	51.3858	-5.7955	1.19933
-6.60	1.1945	9.0133	9.2078	50.7134	-5.5972	1.19449
-6.40	1.1877	7.8437	9.0315	49.9953	-5.3997	1.18774
-6.20	1.1787	7.6164	8.7951	49.2229	-5.2030	1.17873
-6.00	1.1673	7.3272	8.4945	48.3935	-5.0072	1.16731
-5.80	1.1537	6.9810	8.1346	47.5129	-4.8123	1.15366
-5.60	1.1333	6.5915	7.7298	46.5955	-4.6181	1.13833
-5.40	1.1221	6.1790	7.3011	45.5624	-4.4244	1.12212
-5.20	1.1059	5.7653	6.9712	44.7358	-4.2307	1.10589
-5.00	1.0904	5.3593	6.6497	43.8342	-4.0368	1.09036
-4.80	1.0761	5.0047	6.0808	42.9708	-3.8426	1.07607



T= 2300						
LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-4.60	1.0633	4.6792	5.7425	42.1527	-3.6478	1.06332
-4.40	1.0522	4.3958	5.4480	41.3822	-3.4523	1.05222
-4.20	1.0427	4.1537	5.1965	40.6579	-3.2562	1.04274
-4.00	1.0348	3.9502	4.9849	39.9760	-3.0596	1.03477
-3.80	1.0282	3.7810	4.8092	39.3319	-2.8624	1.02815
-3.60	1.0227	3.6418	4.6645	38.7205	-2.6647	1.02271
-3.40	1.0183	3.5280	4.5463	38.1368	-2.4666	1.01826
-3.20	1.0146	3.4356	4.4502	37.5763	-2.2681	1.01464
-3.00	1.0117	3.3609	4.3726	37.0351	-2.0694	1.01172
-2.80	1.0094	3.3007	4.3101	36.5095	-1.8704	1.00937
-2.60	1.0075	3.2524	4.2599	35.9968	-1.6712	1.00748
-2.40	1.0060	3.2136	4.2195	35.4945	-1.4718	1.00596
-2.20	1.0048	3.1827	4.1874	35.0005	-1.2724	1.00475
-2.00	1.0038	3.1579	4.1617	34.5133	-1.0728	1.00378
-1.80	1.0030	3.1382	4.1412	34.0315	-0.8731	1.00301
-1.60	1.0024	3.1224	4.1248	33.5540	-0.6734	1.00239
-1.40	1.0020	3.1099	4.1118	33.0799	-0.4736	1.00190
-1.20	1.0016	3.0999	4.1015	32.6086	-0.2737	1.00151
-1.00	1.0013	3.0920	4.0933	32.1395	-0.0738	1.00119
-0.80	1.0012	3.0857	4.0868	31.6721	0.1261	1.00095
-0.60	1.0011	3.0806	4.0817	31.2060	0.3261	1.00075
-0.40	1.0012	3.0767	4.0778	30.7410	0.5261	1.00059
-0.20	1.0014	3.0735	4.0749	30.2767	0.7262	1.00046
0.0	1.0018	3.0710	4.0728	29.8130	0.9261	1.00035
0.20	1.0025	3.0690	4.0715	29.3495	1.1264	1.00027
0.40	1.0038	3.0673	4.0711	28.8859	1.3270	1.00019
0.60	1.0059	3.0660	4.0719	28.4219	1.5279	1.00013
0.80	1.0092	3.0650	4.0742	27.9569	1.7293	1.00008
1.00	1.0146	3.0641	4.0787	27.4902	1.9316	1.00002
1.20	1.0232	3.0635	4.0867	27.0204	2.1353	0.99997
1.40	1.0372	3.0630	4.1001	26.5457	2.3412	0.99991
1.60	1.0599	3.0626	4.1225	26.0629	2.5506	0.99984
1.80	1.0975	3.0624	4.1599	25.5667	2.7657	0.99975
2.00	1.1609	3.0631	4.2240	25.0486	2.9901	0.99960
2.20	1.2709	3.0662	4.3371	24.4941	3.2294	0.99933
2.40	1.4674	3.0746	4.5427	23.8769	3.4919	0.99874
2.60	1.8737	3.1046	4.9783	23.1492	3.7980	0.99813
2.80	2.7578	3.2431	6.0009	22.2478	4.1659	0.99747
3.00	4.8748	3.7753	8.5501	21.1030	4.6133	0.99677

T= 2400						
LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-7.00	1.2068	8.1111	9.3179	52.2636	-5.9743	1.20680
-6.80	1.2054	8.0784	9.2838	51.6755	-5.7748	1.20539
-6.60	1.2033	8.0298	9.2331	51.0723	-5.5756	1.20331
-6.40	1.2003	7.9582	9.1585	50.4471	-5.3766	1.20028
-6.20	1.1959	7.8543	9.0502	49.7914	-5.1782	1.19590
-6.00	1.1898	7.7077	8.8974	49.0954	-4.9805	1.18977
-5.80	1.1815	7.5086	8.6901	48.3503	-4.7835	1.18148
-5.60	1.1708	7.2514	8.4222	47.5513	-4.5874	1.17081
-5.40	1.1578	6.9376	8.0954	46.7012	-4.3923	1.15784
-5.20	1.1430	6.5777	7.7207	45.8115	-4.1979	1.14299
-5.00	1.1270	6.1895	7.3165	44.9006	-4.0040	1.12701
-4.80	1.1107	5.7937	6.9044	43.9895	-3.8103	1.11074

T = 2400						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.0950	5.4094	6.5044	43.0975	-3.6165	1.09496
-4.40	1.0803	5.0515	6.1318	42.2387	-3.4224	1.08028
-4.20	1.0670	4.7290	5.7967	41.4218	-3.2277	1.06705
-4.00	1.0554	4.4460	5.5014	40.6502	-3.0325	1.05545
-3.80	1.0455	4.2029	5.2484	39.9234	-2.8366	1.04549
-3.60	1.0371	3.9975	5.0346	39.2386	-2.6401	1.03708
-3.40	1.0301	3.8262	4.8563	38.5913	-2.4431	1.03007
-3.20	1.0243	3.6848	4.7091	37.9770	-2.2455	1.02428
-3.00	1.0195	3.5690	4.5886	37.3906	-2.0475	1.01954
-2.80	1.0157	3.4748	4.4905	36.8278	-1.8492	1.01568
-2.60	1.0126	3.3985	4.4111	36.2845	-1.6505	1.01256
-2.40	1.0100	3.3370	4.3470	35.7573	-1.4516	1.01004
-2.20	1.0080	3.2875	4.2956	35.2432	-1.2525	1.00802
-2.00	1.0064	3.2479	4.2543	34.7397	-1.0532	1.00639
-1.80	1.0051	3.2161	4.2212	34.2448	-0.8537	1.00509
-1.60	1.0041	3.1908	4.1949	33.7568	-0.6542	1.00406
-1.40	1.0033	3.1705	4.1738	33.2743	-0.4545	1.00323
-1.20	1.0026	3.1544	4.1570	32.7963	-0.2548	1.00256
-1.00	1.0022	3.1415	4.1437	32.3218	-0.0550	1.00204
-0.80	1.0018	3.1313	4.1331	31.8502	0.1449	1.00161
-0.60	1.0016	3.1231	4.1248	31.3807	0.3448	1.00128
-0.40	1.0016	3.1167	4.1183	30.9130	0.5447	1.00101
-0.20	1.0017	3.1115	4.1132	30.4466	0.7448	1.00079
0.0	1.0021	3.1074	4.1095	29.9811	0.9447	1.00062
0.20	1.0027	3.1041	4.1069	29.5162	1.1450	1.00047
0.40	1.0040	3.1015	4.1055	29.0515	1.3455	1.00036
0.60	1.0060	3.0994	4.1054	28.5866	1.5464	1.00026
0.80	1.0093	3.0977	4.1071	28.1209	1.7478	1.00018
1.00	1.0147	3.0964	4.1111	27.6537	1.9501	1.00010
1.20	1.0233	3.0954	4.1187	27.1836	2.1538	1.00003
1.40	1.0372	3.0947	4.1319	26.7087	2.3597	0.99995
1.60	1.0570	3.0943	4.1543	26.2258	2.5691	0.99986
1.80	1.08975	3.0942	4.1917	25.7297	2.7842	0.99975
2.00	1.1607	3.0952	4.2560	25.2120	3.0085	0.99958
2.20	1.2704	3.0992	4.3696	24.6584	3.2477	0.99928
2.40	1.4661	3.1089	4.5749	24.0429	3.5099	0.99864
2.60	1.8682	3.1409	5.0091	23.3186	3.8152	0.99796
2.80	2.7339	3.2789	6.0128	22.4226	4.1806	0.99722
3.00	4.7889	3.7932	8.5821	21.2822	4.6240	0.99643

T = 2500						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.2084	7.9568	9.1652	52.4369	-5.9560	1.20841
-6.80	1.2077	7.9422	9.1499	51.8659	-5.7562	1.20775
-6.60	1.2068	7.9213	9.1281	51.2890	-5.5566	1.20680
-6.40	1.2054	7.8907	9.0961	50.7030	-5.3571	1.20541
-6.20	1.2034	7.8456	9.0490	50.1033	-5.1578	1.20339
-6.00	1.2004	7.7795	8.9800	49.4836	-4.9589	1.20044
-5.80	1.1962	7.6839	8.8801	48.8361	-4.7604	1.19621
-5.60	1.1903	7.5488	8.7391	48.1514	-4.5626	1.19028
-5.40	1.1822	7.3650	8.5472	47.4212	-4.3655	1.18225
-5.20	1.1719	7.1262	8.2981	46.6403	-4.1693	1.17188
-5.00	1.1592	6.8331	7.9923	45.8104	-3.9740	1.15919
-4.80	1.1446	6.4945	7.6391	44.9413	-3.7795	1.14458

T= 2500						
LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-4.60	1.1287	6.1267	7.2554	44.0499	-3.5855	1.12874
-4.40	1.1125	5.7491	6.8616	43.1563	-3.3919	1.11250
-4.20	1.0967	5.3803	6.4770	42.2789	-3.1981	1.09667
-4.00	1.0819	5.0351	6.1170	41.4321	-3.0040	1.08187
-3.80	1.0685	4.7228	5.7912	40.6247	-2.8094	1.06848
-3.60	1.0567	4.4478	5.5045	39.8605	-2.6142	1.05670
-3.40	1.0466	4.2110	5.2576	39.1395	-2.4184	1.04657
-3.20	1.0380	4.0105	5.0485	38.4590	-2.2220	1.03799
-3.00	1.0308	3.8431	4.8739	37.8153	-2.0250	1.03082
-2.80	1.0249	3.7046	4.7295	37.2035	-1.8275	1.02490
-2.60	1.0200	3.5911	4.6112	36.6192	-1.6296	1.02005
-2.40	1.0161	3.4987	4.5148	36.0580	-1.4313	1.01610
-2.20	1.0129	3.4239	4.4368	35.5159	-1.2326	1.01289
-2.00	1.0103	3.3634	4.3738	34.9897	-1.0337	1.01031
-1.80	1.0083	3.3149	4.3231	34.4763	-0.8346	1.00823
-1.60	1.0066	3.2759	4.2825	33.9734	-0.6353	1.00657
-1.40	1.0053	3.2447	4.2500	33.4790	-0.4359	1.00523
-1.20	1.0043	3.2197	4.2240	32.9913	-0.2364	1.00416
-1.00	1.0035	3.1998	4.2033	32.5092	-0.0367	1.00331
-0.80	1.0029	3.1840	4.1868	32.0313	0.1630	1.00263
-0.60	1.0024	3.1713	4.1738	31.5569	0.3629	1.00208
-0.40	1.0022	3.1613	4.1635	31.0853	0.5628	1.00165
-0.20	1.0022	3.1533	4.1555	30.6158	0.7627	1.00130
0.0	1.0025	3.1469	4.1494	30.1478	0.9626	1.00102
0.20	1.0031	3.1418	4.1449	29.6810	1.1629	1.00079
0.40	1.0042	3.1378	4.1421	29.2148	1.3634	1.00061
0.60	1.0062	3.1346	4.1409	28.7487	1.5642	1.00046
0.80	1.0095	3.1321	4.1416	28.2821	1.7655	1.00033
1.00	1.0148	3.1302	4.1450	27.8141	1.9679	1.00022
1.20	1.0234	3.1287	4.1521	27.3435	2.1716	1.00012
1.40	1.0373	3.1277	4.1650	26.8682	2.3774	1.00002
1.60	1.0600	3.1271	4.1870	26.3851	2.5868	0.99991
1.80	1.0974	3.1270	4.2244	25.8890	2.8019	0.99977
2.00	1.1605	3.1282	4.2887	25.3716	3.0262	0.99958
2.20	1.2699	3.1325	4.4024	24.8186	3.2653	0.99925
2.40	1.4646	3.1432	4.6078	24.2044	3.5272	0.99855
2.60	1.8628	3.1771	5.0399	23.4834	3.8317	0.99779
2.80	2.7114	3.3144	6.0258	22.5923	4.1947	0.99694
3.00	4.7097	3.9116	8.5214	21.4554	4.6345	0.99602

T= 2600						
LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-7.00	1.2092	7.7991	9.0084	52.5883	-5.9387	1.20924
-6.80	1.2088	7.7901	8.9989	52.0224	-5.7388	1.20985
-6.60	1.2083	7.7787	8.9871	51.4545	-5.5390	1.20833
-6.40	1.2076	7.7635	8.9711	50.8930	-5.3392	1.20761
-6.20	1.2066	7.7422	8.9488	50.3058	-5.1396	1.20660
-6.00	1.2051	7.7115	8.9166	49.7197	-4.9401	1.20515
-5.80	1.2030	7.6667	8.8697	49.1204	-4.7409	1.20304
-5.60	1.2000	7.6015	8.8015	48.5019	-4.5420	1.19999
-5.40	1.1956	7.5078	8.7035	47.8565	-4.3436	1.19565
-5.20	1.1896	7.3762	8.5658	47.1756	-4.1458	1.18960
-5.00	1.1815	7.1979	8.3794	46.4512	-3.9488	1.18146
-4.80	1.1710	6.9673	8.1383	45.6789	-3.7526	1.17098

T= 2600						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.1582	6.6853	7.8435	44.8604	-3.5574	1.15822
-4.40	1.1436	6.3605	7.5041	44.0056	-3.3629	1.14357
-4.20	1.1277	6.0086	7.1364	43.1307	-3.1690	1.12775
-4.00	1.1116	5.6482	6.7597	42.2547	-2.9752	1.11157
-3.80	1.0958	5.2968	6.3926	41.3950	-2.7814	1.09582
-3.60	1.0811	4.9682	6.0493	40.5652	-2.5873	1.08111
-3.40	1.0678	4.6711	5.7390	39.7735	-2.3927	1.06782
-3.20	1.0561	4.4099	5.4660	39.0232	-2.1974	1.05614
-3.00	1.0461	4.1850	5.2311	38.3143	-2.0015	1.04610
-2.80	1.0376	3.9946	5.0322	37.6443	-1.8051	1.03760
-2.60	1.0305	3.8357	4.8662	37.0092	-1.6081	1.03050
-2.40	1.0246	3.7043	4.7290	36.4046	-1.4106	1.02464
-2.20	1.0198	3.5966	4.6165	35.8262	-1.2126	1.01984
-2.00	1.0159	3.5090	4.5249	35.2698	-1.0143	1.01592
-1.80	1.0128	3.4379	4.4507	34.7317	-0.8157	1.01276
-1.60	1.0102	3.3806	4.3909	34.2086	-0.6167	1.01020
-1.40	1.0082	3.3346	4.3428	33.6978	-0.4176	1.00814
-1.20	1.0066	3.2976	4.3042	33.1969	-0.2183	1.00649
-1.00	1.0053	3.2690	4.2733	32.7041	-0.0189	1.00517
-0.80	1.0043	3.2444	4.2487	32.2177	0.1807	1.00411
-0.60	1.0036	3.2255	4.2291	31.7365	0.3804	1.00327
-0.40	1.0032	3.2104	4.2136	31.2594	0.5802	1.00259
-0.20	1.0030	3.1985	4.2014	30.7855	0.7801	1.00205
0.0	1.0031	3.1889	4.1920	30.3140	0.9799	1.00162
0.20	1.0035	3.1814	4.1849	29.8444	1.1801	1.00127
0.40	1.0046	3.1755	4.1801	29.3762	1.3806	1.00098
0.60	1.0065	3.1708	4.1773	28.9084	1.5814	1.00075
0.80	1.0097	3.1671	4.1768	28.4405	1.7828	1.00056
1.00	1.0150	3.1642	4.1792	27.9715	1.9850	1.00040
1.20	1.0235	3.1620	4.1855	27.5001	2.1887	1.00025
1.40	1.0374	3.1604	4.1978	27.0242	2.3945	1.00012
1.60	1.0600	3.1594	4.2194	26.5407	2.6039	0.99999
1.80	1.0974	3.1592	4.2566	26.0444	2.8189	0.99982
2.00	1.1603	3.1604	4.3209	25.5271	3.0431	0.99960
2.20	1.2693	3.1649	4.4341	24.9744	3.2821	0.99923
2.40	1.4631	3.1763	4.6394	24.3614	3.5438	0.99847
2.60	1.8574	3.2119	5.0693	23.6433	3.8475	0.99756
2.80	2.6903	3.3481	6.0385	22.7566	4.2084	0.99653
3.00	4.6365	3.8291	8.4657	21.6227	4.6447	0.99550

T= 2700						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.2099	7.6552	8.8652	52.7363	-5.9220	1.20994
-6.80	1.2096	7.6458	8.8554	52.1698	-5.7221	1.20960
-6.60	1.2092	7.6362	8.8455	51.6033	-5.5223	1.20922
-6.40	1.2098	7.6256	8.8344	51.0359	-5.3224	1.20876
-6.20	1.2092	7.6128	8.8210	50.4665	-5.1227	1.20816
-6.00	1.2073	7.5960	8.8034	49.8935	-4.9229	1.20735
-5.80	1.2062	7.5729	8.7791	49.3147	-4.7234	1.20621
-5.60	1.2046	7.5401	8.7447	48.7268	-4.5239	1.20459
-5.40	1.2023	7.4929	8.6952	48.1253	-4.3248	1.20227
-5.20	1.1989	7.4248	8.6237	47.5043	-4.1260	1.19894
-5.00	1.1942	7.3278	8.5221	46.8562	-3.9277	1.19425
-4.80	1.1878	7.1930	8.3808	46.1729	-3.7300	1.18777

T= 2700						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.1792	7.0125	8.1916	45.4472	-3.5332	1.17916
-4.40	1.1692	6.7818	7.9507	44.6759	-3.3373	1.16823
-4.20	1.1551	6.5032	7.6583	43.8623	-3.1422	1.15508
-4.00	1.1402	6.1855	7.3267	43.0171	-2.9478	1.14018
-3.80	1.1243	5.8473	6.9715	42.1564	-2.7539	1.12427
-3.60	1.1082	5.5032	6.6114	41.2983	-2.5602	1.10818
-3.40	1.0926	5.1706	6.2633	40.4590	-2.3663	1.09264
-3.20	1.0782	4.8517	5.9407	39.6503	-2.1721	1.07823
-3.00	1.0653	4.5841	5.6494	38.8792	-1.9773	1.06528
-2.80	1.0540	4.3408	5.3948	38.1480	-1.7820	1.05396
-2.60	1.0442	4.1322	5.1764	37.4563	-1.5860	1.04424
-2.40	1.0360	3.9560	4.9921	36.8012	-1.3894	1.03605
-2.20	1.0292	3.8092	4.8385	36.1789	-1.1923	1.02922
-2.00	1.0236	3.6881	4.7117	35.5951	-0.9946	1.02359
-1.80	1.0190	3.5889	4.6079	35.0157	-0.7966	1.01898
-1.60	1.0153	3.5083	4.5236	34.4667	-0.5982	1.01523
-1.40	1.0122	3.4430	4.4552	33.9346	-0.3995	1.01219
-1.20	1.0098	3.3903	4.4002	33.4163	-0.2005	1.00975
-1.00	1.0079	3.3480	4.3560	32.9094	-0.0014	1.00778
-0.80	1.0064	3.3141	4.3205	32.4117	0.1980	1.00620
-0.60	1.0053	3.2869	4.2922	31.9213	0.3975	1.00493
-0.40	1.0045	3.2653	4.2697	31.4369	0.5972	1.00392
-0.20	1.0040	3.2480	4.2520	30.9571	0.7970	1.00311
0.0	1.0039	3.2342	4.2381	30.4810	0.9965	1.00246
0.20	1.0042	3.2232	4.2274	30.0077	1.1968	1.00193
0.40	1.0051	3.2146	4.2197	29.5364	1.3972	1.00151
0.60	1.0060	3.2077	4.2147	29.0663	1.5979	1.00117
0.80	1.0071	3.2023	4.2123	28.5965	1.7993	1.00089
1.00	1.0082	3.1981	4.2133	28.1260	2.0015	1.00066
1.20	1.0093	3.1948	4.2185	27.6534	2.2051	1.00045
1.40	1.0075	3.1924	4.2299	27.1766	2.4109	1.00027
1.60	1.0061	3.1908	4.2509	26.6925	2.6203	1.00009
1.80	1.0047	3.1903	4.2877	26.1959	2.8353	0.99989
2.00	1.0031	3.1914	4.3515	25.6785	3.0595	0.99964
2.20	1.0013	3.1958	4.4645	25.1259	3.2983	0.99923
2.40	1.0000	3.2079	4.6595	24.5141	3.5598	0.99840
2.60	1.0000	3.2449	5.0970	23.7988	3.8626	0.99741
2.80	2.6705	3.3800	6.0505	22.9160	4.2215	0.99621
3.00	4.5685	3.8455	8.4141	21.7845	4.6547	0.99475

T= 2800						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.2109	7.5363	8.7472	52.8931	-5.9059	1.21091
-6.80	1.2105	7.5217	8.7322	52.3210	-5.7060	1.21047
-6.60	1.2101	7.5091	8.7191	51.7510	-5.5062	1.21006
-6.40	1.2096	7.4974	8.7070	51.1822	-5.3063	1.20963
-6.20	1.2092	7.4858	8.6949	50.6136	-5.1065	1.20916
-6.00	1.2086	7.4732	8.6818	50.0443	-4.9067	1.20860
-5.80	1.2079	7.4592	8.6660	49.4729	-4.7070	1.20798
-5.60	1.2069	7.4389	8.6458	48.8976	-4.5073	1.20691
-5.40	1.2056	7.4128	8.6184	48.3159	-4.3078	1.20558
-5.20	1.2037	7.3761	8.5798	47.7245	-4.1085	1.20369
-5.00	1.2010	7.3239	8.5249	47.1185	-3.9094	1.20101
-4.80	1.1972	7.2493	8.4465	46.4917	-3.7108	1.19727

T = 2800						
LOG RHO	Z	E/RT	1/RT	S/R	LOG P	Z*
-4.60	1.1919	7.1446	8.3365	45.8367	-3.5127	1.19194
-4.40	1.1848	7.0011	8.1859	45.1460	-3.3154	1.18476
-4.20	1.1754	6.8123	7.9876	44.4136	-3.1188	1.17538
-4.00	1.1637	6.5757	7.7394	43.5384	-2.9231	1.16370
-3.80	1.1499	6.2959	7.4458	42.8257	-2.7283	1.14995
-3.60	1.1347	5.9941	7.1187	41.9878	-2.5341	1.13468
-3.40	1.1187	5.6562	6.7749	41.1411	-2.3403	1.11867
-3.20	1.1027	5.3291	6.4319	40.3026	-2.1465	1.10274
-3.00	1.0876	5.0172	6.1048	39.4863	-1.9525	1.08757
-2.80	1.0737	4.7307	5.8043	38.7022	-1.7581	1.07366
-2.60	1.0613	4.4753	5.5366	37.9554	-1.5632	1.06127
-2.40	1.0505	4.2532	5.3037	37.2471	-1.3676	1.05051
-2.20	1.0413	4.0637	5.1051	36.5760	-1.1714	1.04133
-2.00	1.0336	3.9044	4.9381	35.9399	-0.9746	1.03361
-1.80	1.0272	3.7721	4.7993	35.3322	-0.7773	1.02721
-1.60	1.0220	3.6632	4.6852	34.7515	-0.5795	1.02194
-1.40	1.0177	3.5743	4.5920	34.1929	-0.3814	1.01764
-1.20	1.0142	3.5020	4.5163	33.6528	-0.1828	1.01414
-1.00	1.0115	3.4436	4.4551	33.1280	0.0150	1.01131
-0.80	1.0093	3.3966	4.4058	32.6157	0.2150	1.00903
-0.60	1.0076	3.3588	4.3664	32.1135	0.4143	1.00720
-0.40	1.0063	3.3285	4.3348	31.6196	0.6137	1.00573
-0.20	1.0055	3.3043	4.3098	31.1322	0.8134	1.00455
0.0	1.0051	3.2850	4.2900	30.6499	1.0129	1.00361
0.20	1.0051	3.2696	4.2747	30.1716	1.2130	1.00285
0.40	1.0059	3.2573	4.2632	29.6964	1.4133	1.00224
0.60	1.0075	3.2476	4.2551	29.2231	1.6140	1.00175
0.80	1.0105	3.2399	4.2504	28.7507	1.8153	1.00135
1.00	1.0156	3.2338	4.2494	28.2783	2.0175	1.00101
1.20	1.0240	3.2291	4.2531	27.8041	2.2210	1.00073
1.40	1.0377	3.2256	4.2633	27.3261	2.4268	1.00049
1.50	1.0602	3.2232	4.2834	26.8410	2.6361	1.00025
1.80	1.0974	3.2221	4.3195	26.3439	2.8511	1.00001
2.00	1.1600	3.2229	4.3829	25.8262	3.0752	0.99971
2.20	1.2681	3.2273	4.4954	25.2737	3.3139	0.99925
2.40	1.4601	3.2399	4.6999	24.6628	3.5751	0.99836
2.50	1.8469	3.2782	5.1251	23.9502	3.8772	0.99729
2.80	2.6518	3.4119	6.0638	23.0710	4.2343	0.99594
3.00	4.5053	3.8626	8.3680	21.9413	4.6645	0.99405

T = 2900						
LOG RHO	Z	E/RT	1/RT	S/R	LOG P	Z*
-7.00	1.2125	7.4524	8.5649	53.0721	-5.8900	1.21253
-6.80	1.2118	7.4268	8.5385	52.4883	-5.6903	1.21182
-6.60	1.2112	7.4057	8.6170	51.9093	-5.4905	1.21121
-6.40	1.2107	7.3881	8.5987	51.3340	-5.2907	1.21066
-6.20	1.2101	7.3727	8.5828	50.7612	-5.0909	1.21014
-6.00	1.2096	7.3585	8.5681	50.1998	-4.8911	1.20961
-5.80	1.2090	7.3445	8.5535	49.6189	-4.6913	1.20903
-5.60	1.2083	7.3294	8.5377	49.0472	-4.4915	1.20833
-5.40	1.2074	7.3115	8.5190	48.4731	-4.2919	1.20744
-5.20	1.2063	7.2888	8.4950	47.8945	-4.0923	1.20626
-5.00	1.2046	7.2582	8.4628	47.3088	-3.8929	1.20463
-4.80	1.2023	7.2156	8.4179	46.7119	-3.6937	1.20235

T = 2900

LOG RHO	Z	F/RT	H/RT	S/R	LOG P	Z*
-4.60	1.1931	7.1555	8.3545	46.0988	-3.4949	1.19915
-4.40	1.1947	7.7709	8.2655	45.4629	-3.2965	1.19468
-4.20	1.1885	6.9538	8.1424	44.7971	-3.0987	1.18855
-4.00	1.1904	6.7968	7.9772	44.0945	-2.9017	1.18038
-3.80	1.1700	6.5949	7.7648	43.3513	-2.7056	1.16996
-3.60	1.1573	6.3487	7.5060	42.5692	-2.5103	1.15732
-3.40	1.1428	6.0654	7.2082	41.7552	-2.3158	1.14284
-3.20	1.1272	5.7580	6.8852	40.9261	-2.1217	1.12720
-3.00	1.1112	5.4425	6.5537	40.0952	-1.9280	1.11119
-2.80	1.0956	5.1343	6.2299	39.2789	-1.7341	1.09558
-2.60	1.0910	4.8454	5.9264	38.4889	-1.5399	1.08098
-2.40	1.0678	4.5837	5.6515	37.7325	-1.3453	1.06777
-2.20	1.0561	4.3530	5.4092	37.0128	-1.1500	1.05614
-2.00	1.0461	4.1542	5.2003	36.3300	-0.9542	1.04612
-1.80	1.0377	3.9857	5.0233	35.6817	-0.7577	1.03763
-1.60	1.0306	3.8448	4.8753	35.0646	-0.5607	1.03054
-1.40	1.0247	3.7282	4.7530	34.4749	-0.3631	1.02468
-1.20	1.0200	3.6327	4.6525	33.9086	-0.1652	1.01987
-1.00	1.0161	3.5548	4.5709	33.3619	0.0332	1.01595
-0.80	1.0130	3.4917	4.5047	32.8316	0.2319	1.01277
-0.60	1.0106	3.4407	4.4513	32.3147	0.4309	1.01021
-0.40	1.0087	3.3998	4.4085	31.8088	0.6300	1.00814
-0.20	1.0074	3.3669	4.3743	31.3117	0.8294	1.00648
0.0	1.0066	3.3406	4.3472	30.8217	1.0288	1.00515
0.20	1.0064	3.3195	4.3258	30.3371	1.2287	1.00408
0.40	1.0068	3.3027	4.3095	29.8568	1.4289	1.00322
0.60	1.0083	3.2893	4.2976	29.3794	1.6296	1.00252
0.80	1.0111	3.2786	4.2897	28.9039	1.8308	1.00195
1.00	1.0161	3.2703	4.2863	28.4288	2.0329	1.00150
1.20	1.0244	3.2637	4.2881	27.9526	2.2364	1.00111
1.40	1.0380	3.2588	4.2967	27.4730	2.4422	1.00078
1.60	1.0604	3.2552	4.3156	26.9868	2.6514	1.00048
1.80	1.0974	3.2534	4.3508	26.4888	2.8664	1.00017
2.00	1.1598	3.2537	4.4135	25.9707	3.0904	0.99982
2.20	1.2675	3.2579	4.5254	25.4181	3.3289	0.99931
2.40	1.4585	3.2708	4.7293	24.8080	3.5899	0.99834
2.60	1.8418	3.3103	5.1521	24.0979	3.8912	0.99719
2.80	2.6342	3.4426	6.0768	23.2219	4.2466	0.99567
3.00	4.4464	3.8792	8.3256	22.0937	4.6740	0.99300

T = 3000

LOG RHO	Z	F/RT	H/RT	S/R	LOG P	Z*
-7.00	1.2154	7.4205	8.5359	53.2925	-5.8743	1.21537
-6.80	1.2141	7.7747	8.5898	52.6873	-5.6748	1.21411
-6.60	1.2131	7.3378	8.5509	52.0916	-5.4751	1.21309
-6.40	1.2122	7.3079	8.5201	51.5032	-5.2754	1.21222
-6.20	1.2115	7.2832	8.4947	50.9204	-5.0757	1.21147
-6.00	1.2108	7.2624	8.4732	50.3419	-4.8759	1.21080
-5.80	1.2102	7.2443	8.4544	49.7663	-4.6762	1.21016
-5.60	1.2095	7.2275	8.4370	49.1923	-4.4764	1.20950
-5.40	1.2088	7.2107	8.4195	48.6188	-4.2767	1.20876
-5.20	1.2079	7.1926	8.4005	48.0441	-4.0770	1.20799
-5.00	1.2068	7.1710	8.3778	47.4666	-3.8774	1.20677
-4.80	1.2053	7.1436	8.3488	46.8837	-3.6779	1.20528

T = 3000						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.2032	7.1067	8.3099	46.2922	-3.4787	1.20325
-4.40	1.2004	7.0557	8.2561	45.5877	-3.2797	1.20042
-4.20	1.1965	6.9845	8.1810	45.0646	-3.0811	1.19649
-4.00	1.1911	6.8859	8.0770	44.4161	-2.8831	1.19108
-3.80	1.1838	6.7522	7.9360	43.7356	-2.6857	1.18381
-3.60	1.1744	6.5775	7.7519	43.0178	-2.4892	1.17438
-3.40	1.1627	6.3597	7.5224	42.2618	-2.2935	1.16271
-3.20	1.1490	6.1028	7.2518	41.4725	-2.0987	1.14901
-3.00	1.1338	5.8170	6.9508	40.6610	-1.9045	1.13385
-2.80	1.1180	5.5165	6.6344	39.8420	-1.7106	1.11796
-2.60	1.1021	5.2166	6.3187	39.0309	-1.5168	1.10215
-2.40	1.0871	4.9304	6.0175	38.2406	-1.3228	1.08709
-2.20	1.0733	4.6673	5.7406	37.4801	-1.1283	1.07328
-2.00	1.0610	4.4327	5.4935	36.7542	-0.9333	1.06097
-1.80	1.0503	4.2284	5.2787	36.0639	-0.7377	1.05027
-1.60	1.0412	4.0541	5.0952	35.4080	-0.5415	1.04114
-1.40	1.0335	3.9074	4.9409	34.7836	-0.3447	1.03347
-1.20	1.0272	3.7856	4.8127	34.1873	-0.1474	1.02709
-1.00	1.0220	3.6852	4.7072	33.6152	0.0504	1.02185
-0.80	1.0178	3.6033	4.6211	33.0636	0.2486	1.01756
-0.60	1.0144	3.5367	4.5511	32.5291	0.4472	1.01407
-0.40	1.0118	3.4828	4.4947	32.0087	0.6461	1.01125
-0.20	1.0099	3.4394	4.4493	31.4998	0.8452	1.00898
0.0	1.0086	3.4046	4.4132	31.0002	1.0444	1.00715
0.20	1.0080	3.3765	4.3844	30.5078	1.2441	1.00568
0.40	1.0081	3.3540	4.3621	30.0211	1.4442	1.00449
0.60	1.0093	3.3361	4.3454	29.5387	1.6447	1.00354
0.80	1.0119	3.3219	4.3338	29.0591	1.8458	1.00276
1.00	1.0167	3.3106	4.3273	28.5809	2.0479	1.00213
1.20	1.0249	3.3018	4.3267	28.1022	2.2514	1.00161
1.40	1.0384	3.2951	4.3334	27.6206	2.4570	1.00117
1.60	1.0606	3.2902	4.3508	27.1328	2.6663	1.00077
1.80	1.0975	3.2873	4.3848	26.6337	2.8811	1.00039
2.00	1.1597	3.2869	4.4466	26.1149	3.1050	0.99997
2.20	1.2670	3.2907	4.5577	25.5621	3.3435	0.99940
2.40	1.4569	3.3040	4.7609	24.9523	3.6041	0.99835
2.60	1.8368	3.3444	5.1813	24.2450	3.9048	0.99675
2.80	2.6176	3.4752	6.0928	23.3719	4.2586	0.99480
3.00	4.3914	3.8984	8.2898	22.2449	4.6833	0.99255

T = 3100						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.2202	7.4664	8.5866	53.5818	-5.8583	1.22025
-6.80	1.2180	7.3864	8.6044	52.9404	-5.6591	1.21802
-6.60	1.2162	7.3223	8.5385	52.3158	-5.4598	1.21622
-6.40	1.2148	7.2709	8.4857	51.7047	-5.2603	1.21476
-6.20	1.2135	7.2294	8.4430	51.1041	-5.0607	1.21355
-6.00	1.2125	7.1957	8.4082	50.5117	-4.8611	1.21253
-5.80	1.2116	7.1677	8.3794	49.9256	-4.6614	1.21165
-5.60	1.2108	7.1440	8.3549	49.3441	-4.4617	1.21084
-5.40	1.2101	7.1231	8.3331	48.7657	-4.2620	1.21006
-5.20	1.2092	7.1035	8.3127	48.1890	-4.0623	1.20924
-5.00	1.2083	7.0836	8.2919	47.6125	-3.8626	1.20832
-4.80	1.2072	7.0617	8.2689	47.0343	-3.6630	1.20720



T= 3100						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.2258	7.0353	8.2411	46.4523	-3.4635	1.20577
-4.40	1.2239	7.0014	8.2053	45.8636	-3.2642	1.20386
-4.20	1.2012	6.9559	8.1572	45.2643	-3.0651	1.20125
-4.00	1.1977	6.8934	8.0911	44.6493	-2.8664	1.19765
-3.80	1.1927	6.8072	8.0000	44.0127	-2.6682	1.19274
-3.60	1.1861	6.6902	7.8763	43.3478	-2.4707	1.18609
-3.40	1.1774	6.5358	7.7132	42.6491	-2.2739	1.17740
-3.20	1.1665	6.3405	7.5070	41.9140	-2.0779	1.16649
-3.00	1.1535	6.1060	7.2594	41.1453	-1.8828	1.15347
-2.80	1.1388	5.8399	6.9787	40.3514	-1.6883	1.13878
-2.60	1.1231	5.5550	6.6781	39.5456	-1.4944	1.12311
-2.40	1.1073	5.2656	6.3728	38.7426	-1.3005	1.10725
-2.20	1.0919	4.9852	6.0772	37.9560	-1.1066	1.09193
-2.00	1.0777	4.7243	5.8020	37.1955	-0.9123	1.07770
-1.80	1.0649	4.4892	5.5541	36.4671	-0.7175	1.06489
-1.60	1.0537	4.2829	5.3366	35.7730	-0.5221	1.05367
-1.40	1.0441	4.1056	5.1497	35.1127	-0.3260	1.04403
-1.20	1.0360	3.9557	4.9916	34.4839	-0.1294	1.03589
-1.00	1.0292	3.8306	4.8598	33.8834	0.0677	1.02910
-0.80	1.0237	3.7273	4.7510	33.3074	0.2654	1.02350
-0.60	1.0193	3.6427	4.6619	32.7524	0.4635	1.01890
-0.40	1.0157	3.5738	4.5895	32.2150	0.6620	1.01516
-0.20	1.0130	3.5180	4.5310	31.6921	0.8608	1.01213
0.0	1.0111	3.4730	4.4841	31.1810	1.0597	1.00968
0.20	1.0100	3.4366	4.4466	30.6792	1.2593	1.00770
0.40	1.0098	3.4074	4.4171	30.1850	1.4592	1.00611
0.60	1.0106	3.3841	4.3947	29.6965	1.6595	1.00483
0.80	1.0130	3.3656	4.3785	29.2121	1.8605	1.00379
1.00	1.0175	3.3509	4.3684	28.7300	2.0625	1.00295
1.20	1.0255	3.3393	4.3648	28.2482	2.2659	1.00225
1.40	1.0388	3.3304	4.3692	27.7642	2.4715	1.00167
1.60	1.0609	3.3238	4.3847	27.2745	2.6806	1.00116
1.80	1.0977	3.3196	4.4173	26.7740	2.8954	1.00069
2.00	1.1596	3.3183	4.4780	26.2542	3.1193	1.00019
2.20	1.2665	3.3215	4.5880	25.7010	3.3576	0.99953
2.40	1.4553	3.3350	4.7903	25.0923	3.6179	0.99840
2.60	1.8320	3.3763	5.2083	24.3867	3.9179	0.99688
2.80	2.6020	3.5054	6.1073	23.5162	4.2702	0.99512
3.00	4.3398	3.9159	8.2557	22.3902	4.6924	0.99325

T= 3200						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.2283	7.6229	8.8513	53.9778	-5.8417	1.22835
-6.80	1.2245	7.4879	8.7124	53.2780	-5.6430	1.22450
-6.60	1.2214	7.3799	8.6013	52.6068	-5.4441	1.22140
-6.40	1.2189	7.2935	8.5124	51.9585	-5.2450	1.21891
-6.20	1.2169	7.2242	8.4411	51.3284	-5.0457	1.21690
-6.00	1.2152	7.1685	8.3838	50.7127	-4.8463	1.21525
-5.80	1.2139	7.1235	8.3374	50.1084	-4.6468	1.21388
-5.60	1.2127	7.0866	8.2993	49.5128	-4.4472	1.21272
-5.40	1.2117	7.0559	8.2676	48.9238	-4.2476	1.21169
-5.20	1.2107	7.0295	8.2403	48.3397	-4.0479	1.21073
-5.00	1.2098	7.0059	8.2156	47.7586	-3.8483	1.20979
-4.80	1.2088	6.9832	8.1919	47.1790	-3.6486	1.20877

T= 3200

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.2076	6.9596	8.1672	46.5991	-3.4491	1.20760
-4.40	1.2062	6.9328	8.1390	46.0165	-3.2496	1.20616
-4.20	1.2043	6.9001	8.1044	45.4288	-3.0503	1.20429
-4.00	1.2018	6.8576	8.0594	44.8322	-2.8512	1.20180
-3.80	1.1984	6.8004	7.9988	44.2223	-2.6524	1.19840
-3.60	1.1938	6.7225	7.9163	43.5935	-2.4541	1.19377
-3.40	1.1875	6.6170	7.8045	42.9396	-2.2563	1.18754
-3.20	1.1794	6.4774	7.6567	42.2549	-2.0593	1.17936
-3.00	1.1690	6.2994	7.4684	41.5361	-1.8632	1.16901
-2.80	1.1555	6.0831	7.2396	40.7843	-1.6678	1.15652
-2.60	1.1422	5.8344	6.9767	40.0063	-1.4732	1.14224
-2.40	1.1268	5.5643	6.6911	39.2137	-1.2791	1.12681
-2.20	1.1110	5.2863	6.3973	38.4204	-1.0853	1.11099
-2.00	1.0955	5.0138	6.1094	37.6399	-0.8914	1.09553
-1.80	1.0810	4.7576	5.8387	36.8826	-0.6971	1.08103
-1.60	1.0679	4.5249	5.5928	36.1551	-0.5025	1.06788
-1.40	1.0563	4.3193	5.3757	35.4605	-0.3072	1.05628
-1.20	1.0464	4.1417	5.1881	34.7998	-0.1113	1.04627
-1.00	1.0379	3.9909	5.0288	34.1681	0.0852	1.03778
-0.80	1.0309	3.8647	4.8956	33.5655	0.2822	1.03067
-0.60	1.0251	3.7601	4.7853	32.9876	0.4798	1.02478
-0.40	1.0205	3.6743	4.6948	32.4308	0.6778	1.01995
-0.20	1.0169	3.6043	4.6212	31.8917	0.8763	1.01601
0.0	1.0143	3.5476	4.5618	31.3673	1.0749	1.01281
0.20	1.0125	3.5017	4.5142	30.8547	1.2741	1.01022
0.40	1.0118	3.4648	4.4765	30.3517	1.4738	1.00813
0.60	1.0122	3.4352	4.4474	29.8562	1.6740	1.00644
0.80	1.0142	3.4115	4.4259	29.3661	1.8749	1.00507
1.00	1.0185	3.3928	4.4113	28.8793	2.0767	1.00397
1.20	1.0263	3.3780	4.4043	28.3938	2.2800	1.00306
1.40	1.0394	3.3664	4.4059	27.9069	2.4855	1.00230
1.60	1.0614	3.3578	4.4192	27.4149	2.6946	1.00166
1.80	1.0979	3.3520	4.4499	26.9126	2.9093	1.00106
2.00	1.1596	3.3495	4.5092	26.3915	3.1331	1.00046
2.20	1.2661	3.3519	4.6180	25.8376	3.3712	0.99972
2.40	1.4537	3.3654	4.8191	25.2294	3.6312	0.99873
2.60	1.8272	3.4075	5.2347	24.5259	3.9305	0.99750
2.80	2.5872	3.5348	6.1220	23.6577	4.2816	0.99616
3.00	4.2914	3.9332	8.2247	22.5325	4.7013	0.99475

T= 3300

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.2413	7.9379	9.1792	54.5316	-5.8237	1.24134
-6.80	1.2349	7.7182	8.9531	53.7418	-5.6260	1.23490
-6.60	1.2297	7.5422	8.7719	52.9983	-5.4278	1.22973
-6.40	1.2256	7.4012	8.6268	52.2921	-5.2293	1.22557
-6.20	1.2222	7.2884	8.5107	51.6157	-5.0305	1.22223
-6.00	1.2195	7.1981	8.4176	50.9631	-4.8314	1.21954
-5.80	1.2173	7.1255	8.3429	50.3295	-4.6322	1.21734
-5.60	1.2155	7.0670	8.2826	49.7108	-4.4329	1.21554
-5.40	1.2140	7.0195	8.2335	49.1039	-4.2334	1.21402
-5.20	1.2127	6.9803	8.1931	48.5059	-4.0339	1.21272
-5.00	1.2115	6.9473	8.1589	47.9147	-3.8343	1.21154
-4.80	1.2104	6.9185	8.1289	47.3282	-3.6347	1.21042

T= 3300

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.2093	6.8920	8.1012	46.7445	-3.4351	1.20927
-4.40	1.2080	6.8657	8.0737	46.1616	-3.2356	1.20800
-4.20	1.2065	5.8374	8.0439	45.5774	-3.0361	1.20649
-4.00	1.2046	6.8044	8.0090	44.9892	-2.8368	1.20460
-3.80	1.2021	6.7630	7.9651	44.3936	-2.6377	1.20212
-3.60	1.1988	6.7087	7.9076	43.7865	-2.4389	1.19881
-3.40	1.1943	6.6359	7.8303	43.1626	-2.2405	1.19433
-3.20	1.1883	6.5381	7.7264	42.5160	-2.0427	1.18833
-3.00	1.1805	6.4088	7.5892	41.8412	-1.8456	1.18046
-2.80	1.1705	6.2435	7.4139	41.1345	-1.6493	1.17047
-2.60	1.1593	6.0414	7.1998	40.3961	-1.4538	1.15835
-2.40	1.1444	5.8071	6.9515	39.6316	-1.2591	1.14439
-2.20	1.1292	5.5503	6.6794	38.8512	-1.0649	1.12916
-2.00	1.1134	5.2936	6.3970	38.0681	-0.8710	1.11341
-1.80	1.0979	5.0200	6.1179	37.2954	-0.6771	1.09790
-1.60	1.0833	4.7704	5.8537	36.5436	-0.4829	1.08326
-1.40	1.0700	4.5423	5.6123	35.8198	-0.2883	1.06990
-1.20	1.0582	4.3398	5.3980	35.1273	-0.0931	1.05806
-1.00	1.0479	4.1642	5.2121	34.4668	0.1027	1.04780
-0.80	1.0393	4.0146	5.0539	33.8367	0.2991	1.03908
-0.60	1.0321	3.8890	4.9211	33.2342	0.4761	1.03175
-0.40	1.0263	3.7848	4.8111	32.6561	0.6936	1.02568
-0.20	1.0216	3.6992	4.7208	32.0990	0.8916	1.02068
0.0	1.0181	3.6293	4.6473	31.5594	1.0899	1.01660
0.20	1.0156	3.5727	4.5883	31.0346	1.2888	1.01328
0.40	1.0142	3.5270	4.5412	30.5215	1.4882	1.01059
0.60	1.0142	3.4902	4.5044	30.0177	1.6882	1.00841
0.80	1.0158	3.4607	4.4765	29.5208	1.8889	1.00665
1.00	1.0198	3.4371	4.4569	29.0286	2.0906	1.00522
1.20	1.0273	3.4184	4.4457	28.5388	2.2938	1.00405
1.40	1.0402	3.4038	4.4440	28.0484	2.4992	1.00309
1.60	1.0619	3.3927	4.4546	27.5536	2.7082	1.00227
1.80	1.0983	3.3849	4.4832	27.0492	2.9228	1.00153
2.00	1.1597	3.3810	4.5407	26.5267	3.1464	1.00081
2.20	1.2657	3.3824	4.6481	25.9717	3.3844	0.99996
2.40	1.4521	3.3957	4.8478	25.3637	3.6441	0.99902
2.60	1.8226	3.4385	5.2611	24.6623	3.9428	0.99797
2.80	2.5732	3.5640	6.1372	23.7962	4.2926	0.99680
3.00	4.2460	3.9509	8.1969	22.6714	4.7101	0.99556

T= 3400

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.2614	8.4693	9.7307	55.3069	-5.8038	1.26139
-6.80	1.2510	8.1255	9.3765	54.3846	-5.6074	1.25102
-6.60	1.2427	7.8487	9.0913	53.5337	-5.4103	1.24266
-6.40	1.2359	7.6264	8.8623	52.7408	-5.2127	1.23594
-6.20	1.2305	7.4481	8.6786	51.9946	-5.0146	1.23053
-6.00	1.2262	7.3053	8.5315	51.2862	-4.8161	1.22619
-5.80	1.2227	7.1909	8.4135	50.6079	-4.6173	1.22268
-5.60	1.2198	7.0990	8.3189	49.9537	-4.4184	1.21984
-5.40	1.2175	7.0251	8.2426	49.3186	-4.2192	1.21751
-5.20	1.2156	6.9653	8.1809	48.6985	-4.0199	1.21558
-5.00	1.2139	6.9164	8.1303	48.0902	-3.8205	1.21394
-4.80	1.2125	6.8756	8.0881	47.4907	-3.6210	1.21249

T= 3400

LOG RHO	Z	E/R/T	H/R/T	S/R	LJG P	Z*
-4.60	1.2111	6.8407	8.0518	46.8977	-3.4215	1.21114
-4.40	1.2098	6.9094	8.0192	46.3090	-3.2219	1.20982
-4.20	1.2084	6.7796	7.9880	45.7224	-3.0224	1.20840
-4.00	1.2068	6.7489	7.9556	45.1355	-2.8230	1.20679
-3.80	1.2048	6.7144	7.9192	44.5458	-2.6237	1.20481
-3.60	1.2023	6.5728	7.8751	43.9499	-2.4247	1.20229
-3.40	1.1999	6.6197	7.8186	43.3438	-2.2259	1.19897
-3.20	1.1945	6.5496	7.7442	42.7226	-2.0275	1.19453
-3.00	1.1886	6.4565	7.6451	42.0907	-1.8296	1.18862
-2.80	1.1809	6.3341	7.5150	41.4126	-1.6324	1.18090
-2.60	1.1711	6.1779	7.3490	40.7147	-1.4361	1.17110
-2.40	1.1592	5.9865	7.1457	39.9867	-1.2405	1.15919
-2.20	1.1454	5.7639	6.9093	39.2334	-1.0457	1.14543
-2.00	1.1304	5.5186	6.6489	38.4640	-0.8514	1.13035
-1.80	1.1147	5.2626	6.3773	37.6910	-0.6575	1.11469
-1.60	1.0992	5.0083	6.1075	36.9270	-0.4636	1.09919
-1.40	1.0845	4.7664	5.8510	36.1824	-0.2694	1.08449
-1.20	1.0711	4.5445	5.6157	35.4642	-0.0748	1.07103
-1.00	1.0592	4.3469	5.4061	34.7761	0.1203	1.05907
-0.80	1.0489	4.1751	5.2240	34.1189	0.3161	1.04868
-0.60	1.0402	4.0284	5.0686	33.4913	0.5124	1.03982
-0.40	1.0330	3.9051	4.9381	32.8907	0.7094	1.03239
-0.20	1.0271	3.8027	4.8298	32.3140	0.9069	1.02619
0.00	1.0226	3.7183	4.7409	31.7577	1.1047	1.02110
0.20	1.0192	3.6497	4.6690	31.2190	1.3033	1.01693
0.40	1.0172	3.5940	4.6112	30.6944	1.5025	1.01354
0.60	1.0166	3.5489	4.5655	30.1910	1.7022	1.01078
0.80	1.0177	3.5126	4.5303	29.6764	1.9027	1.00855
1.00	1.0213	3.4835	4.5048	29.1779	2.1042	1.00674
1.20	1.0285	3.4603	4.4888	28.6829	2.3073	1.00526
1.40	1.0411	3.4421	4.4833	28.1885	2.5126	1.00404
1.60	1.0626	3.4282	4.4908	27.6905	2.7214	1.00301
1.80	1.0987	3.4181	4.5169	27.1835	2.9359	1.00211
2.00	1.1599	3.4125	4.5724	26.6591	3.1595	1.00124
2.20	1.2654	3.4125	4.6779	26.1028	3.3973	1.00027
2.40	1.4506	3.4254	4.8760	25.4948	3.6566	0.99930
2.60	1.8181	3.4689	5.2870	24.7953	3.9547	0.99820
2.80	2.5599	3.5926	6.1526	23.9312	4.3033	0.99705
3.00	4.2032	3.9685	8.1718	22.8068	4.7186	0.99590

T= 3500

LOG RHO	Z	E/R/T	H/R/T	S/R	LJG P	Z*
-7.00	1.2911	9.2801	10.5711	56.3745	-5.7811	1.29108
-6.80	1.2750	8.7637	10.0388	55.2675	-5.5865	1.27505
-6.60	1.2620	8.3449	9.6069	54.2645	-5.3910	1.26205
-6.40	1.2515	8.0065	9.2580	53.3475	-5.1946	1.25153
-6.20	1.2430	7.7340	8.9771	52.5007	-4.9976	1.24305
-6.00	1.2362	7.5151	8.7513	51.7109	-4.8000	1.23622
-5.80	1.2307	7.3394	8.5702	50.9673	-4.6019	1.23072
-5.60	1.2263	7.1986	8.4249	50.2607	-4.4035	1.22629
-5.40	1.2227	7.0855	8.3082	49.5838	-4.2048	1.22270
-5.20	1.2198	6.9946	8.2144	48.9305	-4.0058	1.21978
-5.00	1.2174	6.9212	8.1386	48.2960	-3.8067	1.21736
-4.80	1.2153	6.8614	8.0767	47.6760	-3.6074	1.21533

T= 3500						
LOG RHO	Z	E/RT	-I/RT	S/R	LJG P	Z*
-4.60	1.2136	6.8120	8.0256	47.0673	-3.4080	1.21356
-4.40	1.2120	6.7702	7.9821	46.4670	-3.2086	1.21196
-4.20	1.2104	6.7335	7.9439	45.8725	-3.0091	1.21042
-4.00	1.2088	6.6994	7.9082	45.2814	-2.8097	1.20883
-3.80	1.2071	6.6654	7.8725	44.6912	-2.6103	1.20706
-3.60	1.2049	6.6287	7.8337	44.0991	-2.4111	1.20495
-3.40	1.2023	6.5858	7.7881	43.5018	-2.2121	1.20232
-3.20	1.1989	6.5324	7.7313	42.8955	-2.0133	1.19891
-3.00	1.1944	6.4533	7.6577	42.2753	-1.8149	1.19441
-2.80	1.1895	6.3726	7.5611	41.6358	-1.6171	1.18847
-2.60	1.1807	6.2544	7.4351	40.9720	-1.4199	1.18075
-2.40	1.1710	6.1041	7.2751	40.2801	-1.2235	1.17099
-2.20	1.1592	5.9204	7.0796	39.5598	-1.0279	1.15916
-2.00	1.1455	5.7068	6.8523	38.8155	-0.8331	1.14548
-1.80	1.1305	5.4712	6.6017	38.0558	-0.6388	1.13049
-1.60	1.1149	5.2250	6.3399	37.2925	-0.4448	1.11489
-1.40	1.0995	4.9800	6.0795	36.5377	-0.2509	1.09944
-1.20	1.0849	4.7466	5.8314	35.8013	-0.0567	1.08476
-1.00	1.0715	4.5321	5.6035	35.0904	0.1379	1.07130
-0.80	1.0596	4.3408	5.4004	34.4085	0.3330	1.05932
-0.60	1.0493	4.1743	5.2236	33.7565	0.5288	1.04891
-0.40	1.0406	4.0320	5.0726	33.1330	0.7252	1.04002
-0.20	1.0335	3.9123	4.9458	32.5358	0.9222	1.03254
0.0	1.0278	3.8128	4.8405	31.9617	1.1196	1.02632
0.20	1.0235	3.7307	4.7542	31.4073	1.3177	1.02120
0.40	1.0207	3.6635	4.6842	30.8695	1.5165	1.01700
0.60	1.0194	3.6090	4.6284	30.3453	1.7160	1.01358
0.80	1.0200	3.5650	4.5849	29.8318	1.9162	1.01080
1.00	1.0231	3.5295	4.5526	29.3260	2.1176	1.00840
1.20	1.0299	3.5012	4.5311	28.8252	2.3204	1.00649
1.40	1.0423	3.4789	4.5212	28.3260	2.5255	1.00517
1.60	1.0635	3.4616	4.5251	27.8243	2.7344	1.00390
1.80	1.0993	3.4489	4.5482	27.3143	2.9488	1.00280
2.00	1.1601	3.4412	4.6014	26.7876	3.1721	1.00177
2.20	1.2651	3.4396	4.7048	26.2297	3.4098	1.00065
2.40	1.4490	3.4520	4.9011	25.5216	3.6687	0.99950
2.60	1.8137	3.4960	5.3098	24.9239	3.9662	0.99842
2.80	2.5474	3.6179	6.1653	24.0614	4.3137	0.99735
3.00	4.1629	3.9835	8.1464	22.9375	4.7270	0.99630

T= 3600						
LOG RHO	Z	E/RT	-I/RT	S/R	LJG P	Z*
-7.00	1.3332	10.4354	11.7686	57.8064	-5.7549	1.33319
-6.80	1.3095	9.5940	11.0035	56.4566	-5.5627	1.30950
-6.60	1.2901	9.0853	10.3754	55.2496	-5.3692	1.29009
-6.40	1.2742	8.5890	9.8433	54.1629	-5.1745	1.27423
-6.20	1.2614	8.1865	9.4479	53.1767	-4.9790	1.26136
-6.00	1.2510	7.8513	9.1123	52.2731	-4.7826	1.25095
-5.80	1.2426	7.5994	8.8420	51.4371	-4.5855	1.24255
-5.60	1.2358	7.3889	8.6247	50.6561	-4.3879	1.23579
-5.40	1.2303	7.2199	8.4503	49.9193	-4.1898	1.23032
-5.20	1.2259	7.0843	8.3102	49.2180	-3.9914	1.22591
-5.00	1.2223	6.9752	8.1975	48.5453	-3.7927	1.22231
-4.80	1.2193	6.8871	8.1065	47.8951	-3.5937	1.21935

T = 3600

LOG RHO	Z	E/RT	1/RT	S/R	LOG P	Z*
-4.50	1.2169	6.8154	8.0325	47.2626	-3.3946	1.21688
-4.40	1.2147	6.7568	7.9716	46.6439	-3.1954	1.21475
-4.20	1.2128	6.7175	7.9204	46.0356	-2.9960	1.21285
-4.00	1.2111	6.6648	7.8758	45.4347	-2.7967	1.21106
-3.80	1.2092	6.6259	7.8351	44.8386	-2.5973	1.20925
-3.60	1.2073	6.5881	7.7954	44.2444	-2.3980	1.20729
-3.40	1.2050	6.5485	7.7535	43.6492	-2.1988	1.20502
-3.20	1.2022	6.5034	7.7056	43.0498	-1.9999	1.20222
-3.00	1.1987	6.4486	7.6472	42.4422	-1.8011	1.19865
-2.80	1.1940	6.3790	7.5730	41.8216	-1.6028	1.19401
-2.60	1.1879	6.2889	7.4769	41.1830	-1.4050	1.18793
-2.40	1.1801	6.1726	7.3527	40.5214	-1.2079	1.18009
-2.20	1.1702	6.0259	7.1961	39.8334	-1.0116	1.17024
-2.00	1.1594	5.8475	7.0059	39.1188	-0.8160	1.15835
-1.80	1.1447	5.6407	6.7854	38.3817	-0.6212	1.14465
-1.60	1.1297	5.4133	6.5431	37.6306	-0.4269	1.12969
-1.40	1.1142	5.1761	6.2903	36.8766	-0.2329	1.11415
-1.20	1.0989	4.9403	6.0392	36.1313	-0.0389	1.09878
-1.00	1.0843	4.7158	5.8001	35.4041	0.1553	1.08418
-0.80	1.0710	4.5095	5.5806	34.7017	0.3500	1.07081
-0.60	1.0593	4.3257	5.3849	34.0274	0.5452	1.05890
-0.40	1.0491	4.1656	5.2147	33.3818	0.7410	1.04855
-0.20	1.0407	4.0288	5.0695	32.7640	0.9375	1.03972
0.0	1.0338	3.9137	4.9475	32.1713	1.1343	1.03229
0.20	1.0285	3.8175	4.8460	31.6003	1.3321	1.02611
0.40	1.0247	3.7383	4.7630	31.0484	1.5305	1.02101
0.60	1.0226	3.6736	4.6963	30.5123	1.7296	1.01684
0.80	1.0226	3.6211	4.6438	29.9890	1.9296	1.01343
1.00	1.0252	3.5788	4.6040	29.4752	2.1307	1.01065
1.20	1.0316	3.5448	4.5764	28.9678	2.3334	1.00839
1.40	1.0436	3.5179	4.5614	28.4633	2.5384	1.00651
1.60	1.0645	3.4969	4.5614	27.9574	2.7470	1.00496
1.80	1.1000	3.4812	4.5812	27.4440	2.9613	1.00362
2.00	1.1605	3.4712	4.6315	26.9147	3.1845	1.00240
2.20	1.2650	3.4676	4.7326	26.3548	3.4220	1.00111
2.40	1.4475	3.4793	4.9269	25.7463	3.6805	0.99985
2.60	1.8095	3.5238	5.3333	25.0504	3.9774	0.99869
2.80	2.5354	3.5439	6.1793	24.1895	4.3239	0.99765
3.00	4.1248	3.9996	8.1244	23.0659	4.7353	0.99655

T = 3700

LOG RHO	Z	E/RT	1/RT	S/R	LOG P	Z*
-7.00	1.3870	11.9729	13.3628	59.6501	-5.7250	1.38991
-6.80	1.3567	10.9616	12.3183	58.0067	-5.5354	1.35673
-6.60	1.3290	10.1164	11.4454	56.5433	-5.3444	1.32900
-6.40	1.3061	9.4175	10.7236	55.2379	-5.1520	1.30606
-6.20	1.2872	8.8445	10.1318	54.0679	-4.9583	1.28724
-6.00	1.2719	8.3777	9.6495	53.0119	-4.7635	1.27190
-5.80	1.2594	7.9993	9.2587	52.0507	-4.5678	1.25945
-5.60	1.2494	7.6937	8.9430	51.1675	-4.3712	1.24938
-5.40	1.2412	7.4475	8.6888	50.3480	-4.1741	1.24125
-5.20	1.2347	7.2496	8.4843	49.5800	-3.9764	1.23468
-5.00	1.2294	7.0906	8.3200	48.8537	-3.7783	1.22936
-4.80	1.2250	6.9627	8.1877	48.1607	-3.5798	1.22504

T= 3700

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.50	1.2215	6.8595	8.0810	47.4942	-3.3810	1.22150
-4.40	1.2195	6.7759	7.9944	46.8487	-3.1821	1.21854
-4.20	1.2160	6.7073	7.9233	46.2196	-2.9830	1.21602
-4.00	1.2138	6.6500	7.8638	45.6029	-2.7838	1.21379
-3.80	1.2117	6.6009	7.8126	44.9952	-2.5845	1.21172
-3.60	1.2097	6.5568	7.7665	44.3936	-2.3853	1.20967
-3.40	1.2075	6.5148	7.7223	43.7950	-2.1861	1.20748
-3.20	1.2050	6.4715	7.6766	43.1963	-1.9870	1.20499
-3.00	1.2020	6.4237	7.6256	42.5941	-1.7880	1.20198
-2.80	1.1992	6.3766	7.5648	41.9843	-1.5894	1.19819
-2.60	1.1933	6.2953	7.4886	41.3623	-1.3912	1.19332
-2.40	1.1870	6.2043	7.3913	40.7232	-1.1935	1.18701
-2.20	1.1789	6.0881	7.2671	40.0621	-0.9964	1.17893
-2.00	1.1699	5.9428	7.1117	39.3762	-0.8002	1.16887
-1.80	1.1568	5.7677	6.9245	38.6654	-0.6047	1.15681
-1.60	1.1431	5.5660	6.7190	37.9341	-0.4099	1.14302
-1.40	1.1281	5.3454	6.4735	37.1906	-0.2156	1.12803
-1.20	1.1126	5.1164	6.2290	36.4456	-0.0216	1.11253
-1.00	1.0974	4.8896	5.9870	35.7100	0.1724	1.09726
-0.80	1.0830	4.6743	5.7574	34.9927	0.3667	1.08280
-0.60	1.0700	4.4770	5.5470	34.2997	0.5614	1.06959
-0.40	1.0584	4.3014	5.3599	33.6340	0.7567	1.05785
-0.20	1.0486	4.1487	5.1973	32.9963	0.9527	1.04765
0.0	1.0404	4.0184	5.0588	32.3850	1.1490	1.03896
0.20	1.0340	3.9085	4.9426	31.7975	1.3463	1.03165
0.40	1.0293	3.8172	4.8465	31.2312	1.5443	1.02557
0.60	1.0264	3.7422	4.7686	30.6828	1.7431	1.02056
0.80	1.0257	3.6809	4.7065	30.1492	1.9428	1.01644
1.00	1.0277	3.6311	4.6588	29.6267	2.1436	1.01308
1.20	1.0336	3.5911	4.6246	29.1122	2.3461	1.01033
1.40	1.0451	3.5591	4.6043	28.6019	2.5510	1.00806
1.60	1.0657	3.5341	4.5998	28.0913	2.7594	1.00618
1.80	1.1009	3.5151	4.6160	27.5741	2.9735	1.00458
2.00	1.1610	3.5024	4.6634	27.0419	3.1966	1.00313
2.20	1.2650	3.4967	4.7617	26.4796	3.4339	1.00165
2.40	1.4460	3.5076	4.9535	25.8707	3.6920	1.00025
2.60	1.8753	3.5525	5.3578	25.1764	3.9883	0.99896
2.80	2.5241	3.6707	6.1948	24.3169	4.3339	0.99780
3.00	4.0887	4.0170	8.1058	23.1935	4.7434	0.99671

T= 3800

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.4622	13.8307	15.3529	61.9115	-5.6914	1.46217
-6.80	1.4184	12.5913	14.0096	59.9490	-5.5046	1.41938
-6.60	1.3810	11.4763	12.8571	58.1899	-5.3162	1.38079
-6.40	1.3491	10.5352	11.8842	56.6203	-5.1263	1.34907
-6.20	1.3226	9.7510	11.0736	55.2211	-4.9349	1.32253
-6.00	1.3008	9.1040	10.4048	53.9703	-4.7421	1.30080
-5.80	1.2829	8.5745	9.8574	52.8460	-4.5482	1.28293
-5.60	1.2684	8.1436	9.4120	51.8278	-4.3531	1.26837
-5.40	1.2566	7.7947	9.0512	50.8976	-4.1572	1.25656
-5.20	1.2470	7.5130	8.7600	50.0395	-3.9605	1.24700
-5.00	1.2393	7.2862	8.5255	49.2403	-3.7632	1.23927
-4.80	1.2330	7.1037	8.3367	48.4885	-3.5654	1.23302

T = 3800

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.2279	6.9568	8.1847	47.7750	-3.3672	1.22793
-4.40	1.2238	6.8383	8.0621	47.0921	-3.1687	1.22376
-4.20	1.2203	6.7423	7.9626	46.4333	-2.9699	1.22029
-4.00	1.2173	6.6637	7.8810	45.7935	-2.7709	1.21735
-3.80	1.2148	6.5983	7.8131	45.1681	-2.5719	1.21476
-3.60	1.2124	6.5426	7.7550	44.5535	-2.3727	1.21238
-3.40	1.2100	6.4930	7.7031	43.9461	-2.1736	1.21005
-3.20	1.2076	6.4464	7.6540	43.3429	-1.9744	1.20760
-3.00	1.2049	6.3992	7.6041	42.7402	-1.7754	1.20486
-2.80	1.2016	6.3478	7.5494	42.1346	-1.5766	1.20159
-2.60	1.1975	6.2876	7.4851	41.5220	-1.3781	1.19752
-2.40	1.1923	6.2137	7.4060	40.8977	-1.1800	1.19233
-2.20	1.1857	6.1205	7.3062	40.2568	-0.9824	1.18570
-2.00	1.1773	6.0029	7.1802	39.5951	-0.7855	1.17729
-1.80	1.1669	5.8575	7.0244	38.9099	-0.5893	1.16691
-1.60	1.1546	5.6839	6.8386	38.2016	-0.3939	1.15459
-1.40	1.1407	5.4860	6.6267	37.4751	-0.1992	1.14063
-1.20	1.1257	5.2713	6.3970	36.7386	-0.0049	1.12557
-1.00	1.1103	5.0500	6.1603	36.0025	0.1891	1.11012
-0.80	1.0952	4.8322	5.9275	35.2768	0.3831	1.09499
-0.60	1.0811	4.6265	5.7076	34.5700	0.5775	1.08073
-0.40	1.0683	4.4385	5.5070	33.8873	0.7723	1.06775
-0.20	1.0572	4.2719	5.3291	33.2312	0.9678	1.05625
0.0	1.0478	4.1273	5.1751	32.6019	1.1636	1.04628
0.20	1.0402	4.0043	5.0445	31.9982	1.3605	1.03780
0.40	1.0344	3.9010	4.9354	31.4173	1.5581	1.03067
0.60	1.0306	3.8153	4.8459	30.8562	1.7565	1.02475
0.80	1.0291	3.7448	4.7740	30.3115	1.9558	1.01986
1.00	1.0305	3.6873	4.7178	29.7799	2.1564	1.01585
1.20	1.0358	3.6407	4.6765	29.2577	2.3586	1.01255
1.40	1.0469	3.6034	4.6503	28.7411	2.5633	1.00984
1.60	1.0671	3.5739	4.6410	28.2253	2.7716	1.00754
1.80	1.1019	3.5513	4.6532	27.7039	2.9855	1.00569
2.00	1.1616	3.5357	4.6973	27.1684	3.2084	1.00398
2.20	1.2651	3.5274	4.7925	26.6034	3.4455	1.00229
2.40	1.4446	3.5374	4.9819	25.9934	3.7031	1.00080
2.60	1.8013	3.5827	5.3840	25.3011	3.9989	0.99940
2.80	2.5134	3.6990	6.2124	24.4428	4.3436	0.99804
3.00	4.0545	4.0363	8.0979	23.3196	4.7513	0.99690

T = 3900

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.5478	16.0951	17.6429	64.5046	-5.6554	1.54778
-6.80	1.4941	14.5420	16.0361	62.2514	-5.4707	1.49406
-6.60	1.4462	13.1585	14.6047	60.1911	-5.2849	1.44619
-6.40	1.4046	11.9558	13.3603	58.3322	-5.0975	1.40457
-6.20	1.3691	10.9301	12.2992	56.6682	-4.9086	1.36908
-6.00	1.3393	10.0686	11.4079	55.1833	-4.7182	1.33926
-5.80	1.3145	9.3534	10.6679	53.8572	-4.5263	1.31449
-5.60	1.2941	8.7651	10.0592	52.6684	-4.3331	1.29411
-5.40	1.2774	8.2845	9.5620	51.5959	-4.1387	1.27744
-5.20	1.2639	7.8942	9.1580	50.6204	-3.9434	1.26388
-5.00	1.2529	7.5783	8.8312	49.7252	-3.7472	1.25288
-4.80	1.2440	7.3235	8.5674	48.8955	-3.5503	1.24397



T= 3900

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.2367	7.1182	8.3549	48.1190	-3.3528	1.23675
-4.40	1.2309	6.9528	8.1837	47.3855	-3.1549	1.23087
-4.20	1.2261	6.9193	8.0454	46.6864	-2.9565	1.22606
-4.00	1.2221	6.7112	7.9332	46.0145	-2.7580	1.22207
-3.80	1.2187	6.6227	7.8414	45.3641	-2.5592	1.21868
-3.60	1.2157	6.5493	7.7651	44.7302	-2.3602	1.21572
-3.40	1.2130	6.4869	7.6999	44.1086	-2.1612	1.21300
-3.20	1.2104	6.4318	7.6421	43.4954	-1.9622	1.21037
-3.00	1.2076	6.3803	7.5880	42.8972	-1.7631	1.20764
-2.80	1.2046	6.3289	7.5335	42.2803	-1.5642	1.20460
-2.60	1.2010	6.2735	7.4745	41.6710	-1.3655	1.20102
-2.40	1.1966	6.2097	7.4063	41.0550	-1.1671	1.19661
-2.20	1.1911	6.1321	7.3232	40.4277	-0.9691	1.19105
-2.00	1.1840	6.0357	7.2197	39.7843	-0.7717	1.18400
-1.80	1.1752	5.9156	7.0908	39.1209	-0.5750	1.17516
-1.60	1.1644	5.7688	6.9333	38.4354	-0.3790	1.16438
-1.40	1.1518	5.5957	6.7475	37.7289	-0.1837	1.15173
-1.20	1.1376	5.4006	6.5383	37.0065	0.0109	1.13755
-1.00	1.1226	5.1913	6.3138	36.2768	0.2051	1.12241
-0.80	1.1073	4.9774	6.0847	35.5495	0.3992	1.10703
-0.60	1.0925	4.7686	5.8611	34.8342	0.5933	1.09207
-0.40	1.0787	4.5726	5.6513	34.1384	0.7878	1.07807
-0.20	1.0663	4.3946	5.4509	33.4665	0.9828	1.06538
0.0	1.0557	4.2373	5.2930	32.8206	1.1782	1.05419
0.20	1.0469	4.1019	5.1488	32.2011	1.3746	1.04452
0.40	1.0400	3.9867	5.0268	31.6055	1.5717	1.03631
0.60	1.0353	3.8901	4.9254	31.0312	1.7697	1.02947
0.80	1.0329	3.8101	4.8430	30.4750	1.9687	1.02369
1.00	1.0336	3.7443	4.7779	29.9335	2.1690	1.01896
1.20	1.0383	3.6907	4.7291	29.4030	2.3710	1.01507
1.40	1.0489	3.6475	4.6965	28.8795	2.5754	1.01186
1.60	1.0686	3.6132	4.6819	28.3580	2.7835	1.00920
1.80	1.1031	3.5866	4.6897	27.8321	2.9973	1.00695
2.00	1.1623	3.5678	4.7301	27.2928	3.2200	1.00496
2.20	1.2653	3.5567	4.8220	26.7248	3.4568	1.00302
2.40	1.4431	3.5656	5.0087	26.1143	3.7139	1.00132
2.60	1.7974	3.6112	5.4086	25.4232	4.0093	0.99972
2.80	2.5031	3.7257	6.2287	24.5660	4.3531	0.99828
3.00	4.0221	4.0544	8.0765	23.4429	4.7591	0.99703

T= 4000

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.6409	18.3986	20.0395	67.2449	-5.6190	1.64086
-6.80	1.5805	16.6982	18.2787	64.8028	-5.4353	1.58052
-6.60	1.5239	15.1028	16.6267	62.4929	-5.2511	1.52390
-6.40	1.4726	13.6577	15.1303	60.3580	-5.0660	1.47261
-6.20	1.4274	12.3847	13.8122	58.4176	-4.8795	1.42742
-6.00	1.3885	11.2879	12.6764	56.6726	-4.6915	1.38848
-5.80	1.3555	10.3591	11.7146	55.1122	-4.5020	1.35550
-5.60	1.3279	9.5830	10.9110	53.7185	-4.3109	1.32793
-5.40	1.3051	8.9415	10.2466	52.4708	-4.1184	1.30513
-5.20	1.2864	8.4154	9.7018	51.3482	-3.9247	1.28641
-5.00	1.2711	7.9867	9.2579	50.3307	-3.7299	1.27113
-4.80	1.2587	7.6391	8.8978	49.4007	-3.5342	1.25871

T = 4000						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.2486	7.3580	8.6767	48.5424	-3.3376	1.24863
-4.40	1.2404	7.1313	8.3717	47.7426	-3.1405	1.24045
-4.20	1.2338	6.9485	8.1822	46.9901	-2.9428	1.23379
-4.00	1.2283	6.8008	8.0291	46.2755	-2.7448	1.22834
-3.80	1.2238	6.5811	7.9049	45.5912	-2.5464	1.22381
-3.60	1.2200	6.5832	7.8032	44.9307	-2.3477	1.21997
-3.40	1.2166	6.5020	7.7187	44.2895	-2.1489	1.21662
-3.20	1.2136	6.4331	7.6467	43.6600	-1.9500	1.21356
-3.00	1.2106	6.3724	7.5830	43.0411	-1.7511	1.21060
-2.80	1.2075	6.3161	7.5236	42.4280	-1.5522	1.20755
-2.60	1.2042	6.2502	7.4643	41.8167	-1.3534	1.20418
-2.40	1.2002	6.2004	7.4007	41.2033	-1.1548	1.20024
-2.20	1.1954	6.1322	7.3277	40.5835	-0.9566	1.19543
-2.00	1.1894	6.0504	7.2398	39.9525	-0.7587	1.18941
-1.80	1.1819	5.9498	7.1317	39.3058	-0.5615	1.18187
-1.60	1.1726	5.8261	6.9987	38.6399	-0.3649	1.17252
-1.40	1.1613	5.6771	6.8384	37.9534	-0.1691	1.16127
-1.20	1.1483	5.5035	6.6520	37.2481	0.0260	1.14822
-1.00	1.1340	5.3108	6.4447	36.5296	0.2205	1.13380
-0.80	1.1188	5.1064	6.2253	35.8066	0.4147	1.11859
-0.60	1.1037	4.9000	6.0037	35.0884	0.6088	1.10330
-0.40	1.0892	4.7003	5.7895	34.3839	0.8030	1.08856
-0.20	1.0758	4.5144	5.5902	33.6995	0.9977	1.07489
0.0	1.0641	4.3465	5.4106	33.0390	1.1926	1.06256
0.20	1.0541	4.1996	5.2537	32.4044	1.3885	1.05174
0.40	1.0462	4.0727	5.1189	31.7940	1.5852	1.04242
0.60	1.0404	3.9651	5.0055	31.2060	1.7828	1.03453
0.80	1.0372	3.8750	4.9122	30.6376	1.9815	1.02791
1.00	1.0371	3.8005	4.8376	30.0856	2.1815	1.02242
1.20	1.0412	3.7395	4.7806	29.5463	2.3832	1.01787
1.40	1.0512	3.6900	4.7412	29.0153	2.5873	1.01412
1.60	1.0704	3.6504	4.7208	28.4876	2.7952	1.01100
1.80	1.1044	3.6195	4.7239	27.9566	3.0088	1.00837
2.00	1.1633	3.5970	4.7602	27.4132	3.2313	1.00606
2.20	1.2656	3.5828	4.8485	26.8418	3.4679	1.00386
2.40	1.4417	3.5905	5.0321	26.2303	3.7245	1.00196
2.60	1.7936	3.6364	5.4300	25.5406	4.0194	1.00015
2.80	2.4934	3.7490	6.2423	24.6844	4.3624	0.99851
3.00	3.9913	4.0696	8.0609	23.5614	4.7668	0.99718

T = 4100						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.7323	20.5446	22.2769	69.8721	-5.5847	1.73231
-6.80	1.6712	18.8655	20.5367	67.4092	-5.4003	1.67123
-6.60	1.6099	17.1799	19.7898	64.9683	-5.2166	1.60990
-6.40	1.5512	15.5662	17.1174	62.6269	-5.0327	1.55119
-6.20	1.4971	14.0804	15.5776	60.4394	-4.8481	1.49712
-6.00	1.4489	12.7546	14.2034	58.4355	-4.6623	1.44887
-5.80	1.4069	11.6004	13.0073	56.6241	-4.4751	1.40686
-5.60	1.3710	10.6152	11.9862	54.9994	-4.2863	1.37099
-5.40	1.3408	9.7868	11.1276	53.5469	-4.0960	1.34082
-5.20	1.3157	9.0986	10.4144	52.2472	-3.9042	1.31574
-5.00	1.2951	8.5321	9.8272	51.0797	-3.7111	1.29507
-4.80	1.2781	8.0691	9.3473	50.0243	-3.5168	1.27815

T= 4100						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.2644	7.6927	8.9571	49.0626	-3.3215	1.26437
-4.40	1.2532	7.3878	8.6410	48.1781	-3.1254	1.25316
-4.20	1.2440	7.1415	8.3855	47.3569	-2.9285	1.24405
-4.00	1.2366	6.9426	8.1792	46.5868	-2.7311	1.23662
-3.80	1.2305	6.7813	8.0124	45.8580	-2.5333	1.23052
-3.60	1.2255	6.5514	7.8769	45.1621	-2.3351	1.22546
-3.40	1.2212	6.5447	7.7659	44.4921	-2.1366	1.22117
-3.20	1.2174	6.4562	7.6736	43.8421	-1.9379	1.21742
-3.00	1.2140	6.3811	7.5951	43.2072	-1.7391	1.21401
-2.80	1.2107	6.3150	7.5257	42.5827	-1.5403	1.21071
-2.60	1.2073	6.2537	7.4610	41.9646	-1.3415	1.20731
-2.40	1.2036	6.1931	7.3966	41.3489	-1.1429	1.20357
-2.20	1.1992	6.1287	7.3279	40.7312	-0.9445	1.19921
-2.00	1.1939	6.0556	7.2496	40.1071	-0.7464	1.19393
-1.80	1.1874	5.9688	7.1563	39.4719	-0.5488	1.18740
-1.60	1.1793	5.8634	7.0427	38.8214	-0.3517	1.17928
-1.40	1.1694	5.7354	6.9048	38.1526	-0.1554	1.16935
-1.20	1.1577	5.5833	6.7410	37.4646	0.0402	1.15756
-1.00	1.1443	5.4092	6.5535	36.7604	0.2352	1.14410
-0.80	1.1297	5.2184	6.3481	36.0460	0.4296	1.12943
-0.60	1.1146	5.0192	6.1338	35.3300	0.6237	1.11418
-0.40	1.0996	4.8204	5.9200	34.6214	0.8179	1.09903
-0.20	1.0855	4.6302	5.7157	33.9281	1.0123	1.08458
0.0	1.0728	4.4545	5.5273	33.2555	1.2069	1.07128
0.20	1.0617	4.2974	5.3591	32.6069	1.4024	1.05938
0.40	1.0527	4.1596	5.2123	31.9824	1.5987	1.04898
0.60	1.0460	4.0413	5.0873	31.3809	1.7959	1.04006
0.80	1.0418	3.9413	4.9832	30.8003	1.9942	1.03253
1.00	1.0409	3.8580	4.8989	30.2376	2.1938	1.02622
1.20	1.0443	3.7893	4.8336	29.6890	2.3952	1.02097
1.40	1.0537	3.7332	4.7870	29.1501	2.5991	1.01662
1.60	1.0725	3.6881	4.7606	28.6158	2.8067	1.01301
1.80	1.1060	3.6527	4.7587	28.0795	3.0201	1.00996
2.00	1.1644	3.6264	4.7907	27.5317	3.2424	1.00730
2.20	1.2661	3.6089	4.8750	26.9565	3.4788	1.00480
2.40	1.4403	3.6152	5.0555	26.3438	3.7348	1.00257
2.60	1.7899	3.6614	5.4513	25.6555	4.0292	1.00060
2.80	2.4840	3.7721	6.2561	24.8003	4.3715	0.99882
3.00	3.9620	4.0851	8.0471	23.6774	4.7743	0.99740

T= 4200						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.8122	22.2794	24.0917	72.1237	-5.5547	1.81225
-6.90	1.7571	20.8002	22.5574	69.8225	-5.3681	1.75713
-6.60	1.6971	19.1902	20.8873	67.4169	-5.1832	1.69711
-6.40	1.6355	17.5372	19.1727	64.9967	-4.9992	1.63550
-6.20	1.5754	15.9246	17.5000	62.6449	-4.8155	1.57538
-6.00	1.5192	14.4168	15.9360	60.4247	-4.6313	1.51916
-5.80	1.4684	13.0546	14.5230	58.3749	-4.4461	1.46837
-5.60	1.4237	11.8573	13.2810	56.5119	-4.2595	1.42372
-5.40	1.3853	10.8273	12.2126	54.8354	-4.0713	1.38530
-5.20	1.3528	9.9562	11.3089	53.3340	-3.8817	1.35279
-5.00	1.3256	9.2290	10.5546	51.9903	-3.6905	1.32563
-4.80	1.3032	8.6282	9.9314	50.7844	-3.4979	1.30317

T = 4200

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.2847	8.1357	9.4204	49.6962	-3.3041	1.28473
-4.40	1.2697	7.7344	9.0041	48.7068	-3.1092	1.26967
-4.20	1.2574	7.4088	8.6662	47.7994	-2.9134	1.25740
-4.00	1.2474	7.1453	8.3927	46.9592	-2.7169	1.24740
-3.80	1.2392	6.9322	8.1715	46.1737	-2.5197	1.23925
-3.60	1.2325	6.7599	7.9924	45.4323	-2.3221	1.23254
-3.40	1.2270	6.6199	7.8468	44.7260	-2.1241	1.22697
-3.20	1.2222	6.5052	7.7275	44.0474	-1.9257	1.22223
-3.00	1.2181	6.4100	7.6281	43.3903	-1.7272	1.21809
-2.80	1.2143	6.3291	7.5434	42.7493	-1.5286	1.21430
-2.60	1.2106	6.2578	7.4684	42.1197	-1.3299	1.21064
-2.40	1.2069	6.1915	7.3985	41.4968	-1.1312	1.20686
-2.20	1.2027	6.1262	7.3299	40.8765	-0.9327	1.20271
-2.00	1.1979	6.0568	7.2547	40.2543	-0.7345	1.19789
-1.80	1.1921	5.9784	7.1706	39.6256	-0.5365	1.19208
-1.60	1.1850	5.8861	7.0711	38.9859	-0.3392	1.18495
-1.40	1.1762	5.7751	6.9513	38.3311	-0.1424	1.17617
-1.20	1.1657	5.6422	6.8080	37.6589	0.0537	1.16562
-1.00	1.1534	5.4869	6.6403	36.9696	0.2491	1.15326
-0.80	1.1396	5.3120	6.4516	36.2666	0.4439	1.13937
-0.60	1.1249	5.1235	6.2484	35.5567	0.6382	1.12448
-0.40	1.1099	4.9296	6.0395	34.8483	0.8324	1.10923
-0.20	1.0953	4.7389	5.8341	34.1498	1.0266	1.09428
0.0	1.0817	4.5584	5.6401	33.4681	1.2209	1.08019
0.20	1.0697	4.3932	5.4629	32.8076	1.4161	1.06732
0.40	1.0597	4.2461	5.3058	32.1703	1.6120	1.05590
0.60	1.0519	4.1182	5.1701	31.5563	1.8088	1.04598
0.80	1.0468	4.0090	5.0558	30.9639	2.0067	1.03750
1.00	1.0451	3.9172	4.9623	30.3906	2.2060	1.03034
1.20	1.0477	3.8410	4.8887	29.8327	2.4071	1.02436
1.40	1.0565	3.7783	4.8349	29.2858	2.6107	1.01937
1.60	1.0747	3.7277	4.8023	28.7448	2.8181	1.01522
1.80	1.1077	3.6875	4.7952	28.2029	3.0313	1.01171
2.00	1.1656	3.6574	4.8230	27.6506	3.2534	1.00867
2.20	1.2667	3.6366	4.9033	27.0717	3.4895	1.00585
2.40	1.4389	3.6414	5.0804	26.4576	3.7449	1.00338
2.60	1.7863	3.6379	5.4742	25.7707	4.0388	1.00110
2.80	2.4751	3.7967	6.2719	24.9163	4.3804	0.99917
3.00	3.9341	4.1023	8.0364	23.7934	4.7817	0.99760

T = 4700

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.8746	23.4716	25.3461	73.8551	-5.5298	1.87456
-6.80	1.8302	22.3785	24.1387	71.8387	-5.3402	1.83018
-6.60	1.7775	20.9281	22.7056	69.6273	-5.1529	1.77750
-6.40	1.7189	19.3915	21.1105	67.2857	-4.9674	1.71886
-6.20	1.6574	17.7823	19.4397	64.8989	-4.7832	1.65743
-6.00	1.5964	16.1850	17.7815	62.5525	-4.5995	1.59645
-5.80	1.5336	14.5702	16.2088	60.3160	-4.4155	1.53862
-5.60	1.4858	13.2860	14.7718	58.2357	-4.2307	1.48576
-5.40	1.4389	12.0583	13.4971	56.3348	-4.0446	1.43887
-5.20	1.3982	10.9946	12.3928	54.5181	-3.8571	1.39824
-5.00	1.3637	10.0899	11.4536	53.0777	-3.6680	1.36366
-4.80	1.3346	9.3314	10.6661	51.6981	-3.4773	1.33465

T= 4300						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.3106	8.7726	10.0131	50.4604	-3.2852	1.31058
-4.40	1.2907	8.1857	9.4764	49.3447	-3.0918	1.29075
-4.20	1.2745	7.7635	9.0381	48.3320	-2.8973	1.27452
-4.00	1.2613	7.4204	8.6817	47.4051	-2.7019	1.26127
-3.80	1.2505	7.1424	8.3929	46.5488	-2.5056	1.25047
-3.60	1.2416	6.9173	8.1589	45.7500	-2.3087	1.24163
-3.40	1.2343	6.7349	7.9693	44.9975	-2.1112	1.23435
-3.20	1.2283	6.5866	7.8149	44.2822	-1.9134	1.22828
-3.00	1.2231	6.4650	7.5881	43.5962	-1.7152	1.22312
-2.80	1.2186	6.3638	7.5823	42.9328	-1.5169	1.21858
-2.60	1.2144	6.2775	7.4919	42.2863	-1.3183	1.21441
-2.40	1.2104	6.2012	7.4116	41.6517	-1.1198	1.21037
-2.20	1.2062	6.1302	7.3364	41.0242	-0.9213	1.20618
-2.00	1.2016	6.0598	7.2614	40.3994	-0.7229	1.20157
-1.80	1.1962	5.9850	7.1813	39.7725	-0.5249	1.19623
-1.60	1.1909	5.9009	7.0908	39.1389	-0.3272	1.18982
-1.40	1.1821	5.8024	6.9845	38.4942	-0.1300	1.18201
-1.20	1.1726	5.6954	6.8580	37.8349	0.0665	1.17254
-1.00	1.1614	5.5474	6.7088	37.1594	0.2623	1.16128
-0.80	1.1496	5.3887	6.5373	36.4688	0.4575	1.14833
-0.60	1.1344	5.2133	6.3477	35.7676	0.6521	1.13404
-0.40	1.1196	5.0276	6.1472	35.0529	0.8464	1.11898
-0.20	1.1048	4.8397	5.9445	34.3628	1.0406	1.10391
0.0	1.0907	4.6574	5.7481	33.6750	1.2347	1.08913
0.20	1.0779	4.4864	5.5545	33.0050	1.4296	1.07546
0.40	1.0669	4.3321	5.3990	32.3566	1.6252	1.06310
0.60	1.0582	4.1958	5.2540	31.7311	1.8216	1.05226
0.80	1.0522	4.0781	5.1303	31.1276	2.0191	1.04278
1.00	1.0496	3.9782	5.0278	30.5439	2.2181	1.03477
1.20	1.0514	3.8946	4.9461	29.9768	2.4188	1.02801
1.40	1.0596	3.8255	4.8851	29.4219	2.6222	1.02236
1.60	1.0771	3.7692	4.8463	28.8740	2.8293	1.01736
1.80	1.1096	3.7242	4.8339	28.3262	3.0422	1.01364
2.00	1.1670	3.6903	4.8573	27.7694	3.2641	1.01018
2.20	1.2675	3.6662	4.9337	27.1866	3.5000	1.00001
2.40	1.4376	3.6694	5.1071	26.5711	3.7547	1.00916
2.60	1.7928	3.7161	5.4990	25.8855	4.0482	1.00161
2.80	2.4666	3.8232	6.2898	25.0318	4.3892	0.99947
3.00	3.9075	4.1216	8.0291	23.9089	4.7889	0.99780

T= 4400						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.9182	24.1322	26.0505	75.0639	-5.5098	1.91821
-6.80	1.8858	23.3017	25.1875	73.3571	-5.3172	1.88579
-6.60	1.8441	22.2334	24.0775	71.4296	-5.1269	1.84408
-6.40	1.7936	20.9415	22.7351	69.2998	-4.9390	1.79362
-6.20	1.7364	19.4766	21.2130	67.0219	-4.7530	1.73640
-6.00	1.6754	17.9158	19.5912	64.6755	-4.5686	1.67543
-5.80	1.6140	16.3435	17.9575	62.3458	-4.3848	1.61401
-5.60	1.5553	14.8337	16.3887	60.1066	-4.2010	1.55502
-5.40	1.5006	13.4403	14.9409	58.0098	-4.0164	1.50056
-5.20	1.4519	12.1344	13.6463	56.0844	-3.8308	1.45187
-5.00	1.4094	11.1082	12.5176	54.3396	-3.6437	1.40940
-4.80	1.3731	10.1798	11.5528	52.7707	-3.4550	1.37308

T = 4400

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.3425	9.3983	10.7408	51.3642	-3.2648	1.34249
-4.40	1.3170	8.7484	10.0655	50.1021	-3.0731	1.31732
-4.20	1.2960	8.2129	9.5089	48.9651	-2.8801	1.29600
-4.00	1.2787	7.7748	9.0535	47.9343	-2.6859	1.27874
-3.80	1.2646	7.4180	8.6827	46.9920	-2.4907	1.26464
-3.60	1.2531	7.1285	8.3816	46.1229	-2.2947	1.25311
-3.40	1.2437	6.8938	8.1375	45.3134	-2.0980	1.24366
-3.20	1.2359	6.7035	7.9393	44.5521	-1.9007	1.23586
-3.00	1.2293	6.5484	7.7777	43.8294	-1.7030	1.22934
-2.80	1.2238	6.4209	7.6447	43.1372	-1.5050	1.22376
-2.60	1.2188	6.3146	7.5334	42.4684	-1.3067	1.21884
-2.40	1.2143	6.2236	7.4379	41.8172	-1.1084	1.21429
-2.20	1.2098	6.1427	7.3526	41.1781	-0.9100	1.20984
-2.00	1.2052	6.0670	7.2722	40.5463	-0.7116	1.20521
-1.80	1.2001	5.9915	7.1916	39.9169	-0.5135	1.20010
-1.60	1.1942	5.9111	7.1053	39.2852	-0.3156	1.19417
-1.40	1.1871	5.8208	7.0080	38.6465	-0.1182	1.18709
-1.20	1.1786	5.7158	6.8945	37.9967	0.0787	1.17854
-1.00	1.1685	5.5925	6.7609	37.3329	0.2749	1.16831
-0.80	1.1566	5.4492	6.6058	36.6542	0.4705	1.15634
-0.60	1.1432	5.2876	6.4309	35.9630	0.6654	1.14281
-0.40	1.1288	5.1123	6.2411	35.2645	0.8599	1.12818
-0.20	1.1140	4.9301	6.0441	34.5659	1.0542	1.11302
0.0	1.0996	4.7489	5.8485	33.8750	1.2483	1.09800
0.20	1.0861	4.5753	5.6615	33.1982	1.4429	1.08369
0.40	1.0743	4.4154	5.4898	32.5409	1.6382	1.07051
0.60	1.0647	4.2722	5.3369	31.9052	1.8343	1.05870
0.80	1.0578	4.1469	5.2047	31.2913	2.0314	1.04837
1.00	1.0543	4.0394	5.0938	30.6977	2.2300	1.03948
1.20	1.0554	3.9487	5.0041	30.1214	2.4304	1.03193
1.40	1.0628	3.8731	4.9360	29.5583	2.6335	1.02558
1.60	1.0798	3.8112	4.8910	29.0035	2.8404	1.02024
1.80	1.1117	3.7613	4.8730	28.4497	3.0530	1.01573
2.00	1.1685	3.7235	4.8920	27.8882	3.2747	1.01183
2.20	1.2694	3.6961	4.9645	27.3015	3.5103	1.00828
2.40	1.4363	3.6977	5.1340	26.6844	3.7643	1.00530
2.60	1.7794	3.7446	5.5240	26.0001	4.0573	1.00270
2.80	2.4585	3.8498	6.3083	25.1469	4.3977	1.00040
3.00	3.8820	4.1415	8.0235	24.0241	4.7961	0.99820

T = 4500

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.9467	24.3847	26.3314	75.8622	-5.4936	1.94668
-6.80	1.9246	23.9318	25.7564	74.4176	-5.2986	1.92462
-6.60	1.8943	23.0727	24.9671	72.7789	-5.1055	1.89433
-6.40	1.8548	22.0832	23.9380	70.9258	-4.9146	1.85481
-6.20	1.8063	20.8685	22.6748	68.8677	-4.7261	1.80629
-6.00	1.7504	19.4701	21.2205	66.6501	-4.5398	1.75042
-5.80	1.6900	17.9587	19.6487	64.3465	-4.3550	1.69003
-5.60	1.6284	16.4169	18.0453	62.0407	-4.1712	1.62842
-5.40	1.5686	14.9207	16.4893	59.8085	-3.9874	1.56862
-5.20	1.5129	13.5278	15.0407	57.7063	-3.8031	1.51294
-5.00	1.4628	12.2738	13.7366	55.7673	-3.6177	1.46280
-4.80	1.4188	11.1745	12.5933	54.0048	-3.4310	1.41883

T= 4500

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.3811	11.2308	11.6119	52.4167	-3.2427	1.38107
-4.40	1.3491	9.4339	10.7830	50.9913	-3.0529	1.34915
-4.20	1.3225	8.7693	10.0918	49.7117	-2.8615	1.32250
-4.00	1.3074	8.2206	9.5210	48.5592	-2.6688	1.30045
-3.80	1.2823	7.7707	9.0531	47.5148	-2.4749	1.28233
-3.60	1.2675	7.4040	8.6714	46.5611	-2.2800	1.26747
-3.40	1.2553	7.1059	8.3612	45.6822	-2.0842	1.25531
-3.20	1.2453	6.8640	8.1093	44.8646	-1.8876	1.24532
-3.00	1.2370	6.6674	7.9045	44.0965	-1.6905	1.23705
-2.80	1.2301	6.5070	7.7371	43.3681	-1.4930	1.23011
-2.60	1.2241	6.3748	7.5990	42.6708	-1.2951	1.22414
-2.40	1.2198	6.2641	7.4830	41.9976	-1.0970	1.21884
-2.20	1.2139	6.1689	7.3828	41.3422	-0.8987	1.21390
-2.00	1.2090	6.0837	7.2927	40.6991	-0.7005	1.20902
-1.80	1.2039	5.0033	7.2072	40.0631	-0.5023	1.20391
-1.60	1.1983	5.9226	7.1208	39.4292	-0.3044	1.19823
-1.40	1.1917	5.8363	7.0280	38.7926	-0.1068	1.19165
-1.20	1.1839	5.7395	6.9234	38.1487	0.0904	1.18384
-1.00	1.1747	5.6276	6.8023	37.4937	0.2870	1.17449
-0.80	1.1637	5.4979	6.6616	36.8255	0.4829	1.16346
-0.60	1.1512	5.3498	6.5010	36.1444	0.6782	1.15078
-0.40	1.1374	5.1860	6.3233	35.4535	0.8730	1.13674
-0.20	1.1228	5.0117	6.1345	34.7588	1.0674	1.12183
0.0	1.1082	4.8340	5.9423	34.0674	1.2614	1.10668
0.20	1.0944	4.6609	5.7552	33.3871	1.4560	1.09192
0.40	1.0819	4.4980	5.5798	32.7232	1.6510	1.07804
0.60	1.0714	4.3494	5.4209	32.0789	1.8468	1.06541
0.80	1.0636	4.2176	5.2812	31.4556	2.0436	1.05420
1.00	1.0593	4.1031	5.1624	30.8524	2.2418	1.04444
1.20	1.0596	4.0055	5.0651	30.2671	2.4419	1.03611
1.40	1.0663	3.9236	4.9899	29.6960	2.6447	1.02903
1.60	1.0826	3.8559	4.9385	29.1339	2.8513	1.02306
1.80	1.1140	3.8009	4.9149	28.5739	3.0637	1.01799
2.00	1.1701	3.7594	4.9295	28.0077	3.2850	1.01353
2.20	1.2694	3.7287	4.9981	27.4171	3.5204	1.00957
2.40	1.4350	3.7285	5.1635	26.7982	3.7736	1.00650
2.60	1.7762	3.7756	5.5517	26.1151	4.0663	1.00350
2.80	2.4507	3.8790	6.3297	25.2625	4.4061	1.00080
3.00	3.8578	4.1643	8.0221	24.1399	4.8031	0.99840

T= 4600

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.9544	24.3539	26.3282	76.3776	-5.4802	1.96438
-6.80	1.9500	24.0095	25.9595	75.1217	-5.2834	1.94997
-6.60	1.9292	23.5006	25.4298	73.7193	-5.0880	1.92923
-6.40	1.9005	22.7966	24.6971	72.1332	-4.8945	1.90050
-6.20	1.8627	21.8697	23.7324	70.3394	-4.7032	1.86257
-6.00	1.8157	20.7191	22.5348	68.3415	-4.5143	1.81568
-5.80	1.7609	19.3789	21.1399	66.1776	-4.3276	1.76095
-5.60	1.7011	17.9144	19.6155	63.9158	-4.1426	1.70113
-5.40	1.6395	16.4055	18.0450	61.6378	-3.9587	1.63949
-5.20	1.5792	14.9289	16.5081	59.4202	-3.7750	1.57916
-5.00	1.5226	13.5448	15.0674	57.3220	-3.5908	1.52259
-4.80	1.4714	12.2918	13.7631	55.3799	-3.4057	1.47137

T = 4600						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.4253	11.1885	12.6147	53.6097	-3.2192	1.42526
-4.40	1.3374	10.2381	11.6255	52.0117	-3.0312	1.38737
-4.20	1.3544	9.4333	10.7877	50.5758	-2.8416	1.35441
-4.00	1.3268	8.7507	10.0876	49.2861	-2.6506	1.32683
-3.80	1.3040	8.2044	9.5083	48.1241	-2.4581	1.30396
-3.60	1.2851	7.7476	9.0328	47.0714	-2.2644	1.28513
-3.40	1.2697	7.3748	8.6444	46.1104	-2.0697	1.26966
-3.20	1.2570	7.0713	8.3283	45.2253	-1.8741	1.25698
-3.00	1.2465	6.8248	8.0713	44.4023	-1.6777	1.24653
-2.80	1.2379	6.6241	7.8619	43.6296	-1.4807	1.23786
-2.60	1.2305	6.4599	7.6904	42.8971	-1.2833	1.23054
-2.40	1.2242	6.3242	7.5484	42.1962	-1.0855	1.22421
-2.20	1.2195	6.2100	7.4285	41.5196	-0.8875	1.21853
-2.00	1.2132	6.1111	7.3243	40.8608	-0.6895	1.21318
-1.80	1.2079	6.0219	7.2297	40.2141	-0.4914	1.20785
-1.50	1.2023	5.9368	7.1391	39.5741	-0.2934	1.20221
-1.40	1.1960	5.8507	7.0457	38.9357	-0.0957	1.19592
-1.20	1.1887	5.7582	6.9469	38.2941	0.1017	1.18862
-1.00	1.1802	5.6545	6.8347	37.6448	0.2986	1.18000
-0.80	1.1701	5.5357	6.7058	36.9848	0.4948	1.16981
-0.60	1.1584	5.3998	6.5582	36.3127	0.6905	1.15797
-0.40	1.1452	5.2474	6.3927	35.5299	0.8855	1.14451
-0.20	1.1311	5.0822	6.2133	34.9405	1.0801	1.13011
0.0	1.1166	4.9101	6.0267	34.2508	1.2742	1.11504
0.20	1.1024	4.7395	5.8419	33.5693	1.4687	1.10001
0.40	1.0894	4.5754	5.6648	32.9006	1.6635	1.08560
0.60	1.0782	4.4230	5.5013	32.2492	1.8591	1.07224
0.80	1.0697	4.2856	5.3553	31.6173	2.0556	1.06022
1.00	1.0645	4.1648	5.2293	31.0052	2.2535	1.04964
1.20	1.0640	4.0606	5.1246	30.4111	2.4533	1.04050
1.40	1.0700	3.9725	5.0425	29.8319	2.6557	1.03269
1.60	1.0857	3.8992	4.9849	29.2627	2.8620	1.02605
1.80	1.1154	3.8391	4.9555	28.6962	3.0742	1.02040
2.00	1.1719	3.7936	4.9655	28.1252	3.2952	1.01555
2.20	1.2706	3.7595	5.0301	27.5304	3.5303	1.01116
2.40	1.4338	3.7574	5.1912	26.9097	3.7828	1.00760
2.60	1.7730	3.9047	5.5776	26.2278	4.0750	1.00430
2.80	2.4433	3.9063	6.3496	25.3757	4.4143	1.00150
3.00	3.8345	4.1855	8.0201	24.2531	4.8100	0.99890

T = 4700						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.9752	24.1923	26.1576	76.7182	-5.4684	1.97525
-6.80	1.9660	23.9576	25.9236	75.5858	-5.2705	1.96597
-6.60	1.9522	23.6268	25.5790	74.3526	-5.0735	1.95223
-6.40	1.9324	23.1503	25.0827	72.9814	-4.8779	1.93240
-6.20	1.9048	22.4877	24.3925	71.4349	-4.6842	1.90479
-6.00	1.8692	21.6094	23.4775	69.6875	-4.4925	1.86816
-5.80	1.8223	20.5103	22.3326	67.7384	-4.3034	1.82731
-5.60	1.7694	19.2196	20.9881	65.5207	-4.1165	1.76845
-5.40	1.7091	17.7976	19.5067	63.3979	-3.9313	1.70910
-5.20	1.6475	16.3219	17.9694	61.1492	-3.7472	1.64750
-5.00	1.5868	14.8687	16.4555	58.9515	-3.5635	1.58683
-4.80	1.5296	13.4995	15.0292	56.8648	-3.3794	1.52965



T = 4700

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.4777	12.2549	13.7325	54.9280	-3.1945	1.47766
-4.40	1.4317	11.1554	12.5871	53.1589	-3.0082	1.43172
-4.20	1.3920	10.2058	11.5978	51.5593	-2.8274	1.39201
-4.00	1.3583	9.4000	10.7582	50.1205	-2.6311	1.35827
-3.80	1.3300	8.7254	10.0554	48.8272	-2.4402	1.32999
-3.60	1.3065	8.1667	9.4732	47.6615	-2.2479	1.30651
-3.40	1.2871	7.7074	8.9946	46.6052	-2.0544	1.28713
-3.20	1.2712	7.3321	8.6033	45.6409	-1.8598	1.27120
-3.00	1.2581	7.0263	8.2844	44.7528	-1.6643	1.25810
-2.80	1.2473	6.7774	8.0247	43.9271	-1.4681	1.24728
-2.60	1.2383	6.5745	7.8127	43.1520	-1.2712	1.23826
-2.40	1.2306	6.4080	7.6385	42.4171	-1.0739	1.23060
-2.20	1.2239	6.2699	7.4938	41.7138	-0.8763	1.22392
-2.00	1.2179	6.1529	7.3708	41.0346	-0.6784	1.21787
-1.80	1.2121	6.0509	7.2637	40.3730	-0.4805	1.21211
-1.60	1.2063	5.9578	7.1641	39.7231	-0.2826	1.20629
-1.40	1.2001	5.8681	7.0682	39.0792	-0.0848	1.20007
-1.20	1.1932	5.7763	6.9695	38.4364	0.1127	1.19309
-1.00	1.1852	5.6773	6.8625	37.7897	0.3097	1.18501
-0.80	1.1758	5.5666	6.7424	37.1352	0.5063	1.17553
-0.60	1.1649	5.4409	6.6057	36.4705	0.7022	1.16446
-0.40	1.1525	5.2992	6.4517	35.7953	0.8976	1.15182
-0.20	1.1389	5.1435	6.2824	35.1119	1.0924	1.13785
0.00	1.1246	4.9782	6.1028	34.4254	1.2867	1.12301
0.20	1.1102	4.8110	5.9212	33.7436	1.4811	1.10789
0.40	1.0969	4.6469	5.7438	33.0714	1.6758	1.09310
0.60	1.0851	4.4918	5.5769	32.4139	1.8712	1.07914
0.80	1.0758	4.3498	5.4255	31.7745	2.0674	1.06639
1.00	1.0699	4.2233	5.2932	31.1540	2.2650	1.05502
1.20	1.0687	4.1131	5.1817	30.5516	2.4645	1.04509
1.40	1.0739	4.0190	5.0930	29.9645	2.6667	1.03653
1.60	1.0899	3.9402	5.0291	29.3882	2.8727	1.02923
1.80	1.1190	3.8751	4.9941	28.8153	3.0845	1.02300
2.00	1.1738	3.8254	4.9992	28.2391	3.3053	1.01761
2.20	1.2719	3.7874	5.0594	27.5397	3.5401	1.01277
2.40	1.4326	3.7835	5.2161	27.0170	3.7918	1.00870
2.60	1.7499	3.8309	5.6008	26.3363	4.0836	1.00520
2.80	2.4361	3.9308	6.3663	25.4846	4.4224	1.00210
3.00	3.8123	4.2042	8.0165	24.3621	4.8169	0.99930

T = 4800

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.9820	23.9144	25.8965	76.9568	-5.4578	1.98204
-6.80	1.9760	23.7696	25.7456	75.9005	-5.2591	1.97600
-6.60	1.9670	23.5558	25.5228	74.7786	-5.0611	1.96700
-6.40	1.9537	23.2413	25.1949	73.5611	-4.8640	1.95367
-6.20	1.9344	22.7876	24.7220	72.2120	-4.6684	1.93440
-6.00	1.9075	22.1550	24.0625	70.5944	-4.4744	1.90749
-5.80	1.8716	21.3130	23.1846	68.9819	-4.2827	1.87163
-5.60	1.8265	20.2541	22.0806	67.0711	-4.0933	1.82651
-5.40	1.7732	19.0038	20.7771	64.9918	-3.9061	1.77323
-5.20	1.7142	17.6193	19.3335	62.8040	-3.7208	1.71422
-5.00	1.6527	16.1755	17.8282	60.5851	-3.5367	1.65267
-4.80	1.5918	14.7480	16.3398	58.4106	-3.3530	1.59180

T = 4800						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.5342	13.3984	14.9327	55.3414	-3.1690	1.53423
-4.40	1.4817	12.1683	13.6500	54.4171	-2.9841	1.48175
-4.20	1.4353	11.0792	12.5145	52.6566	-2.7980	1.43526
-4.00	1.3950	10.1370	11.5320	51.0630	-2.6103	1.39501
-3.80	1.3608	9.3363	10.6971	49.5280	-2.4211	1.36076
-3.60	1.3320	8.6653	9.9973	48.3371	-2.2304	1.33201
-3.40	1.3081	8.1089	9.4170	47.1730	-2.0383	1.30810
-3.20	1.2883	7.6512	8.9395	46.1176	-1.8449	1.28835
-3.00	1.2721	7.2767	8.5487	45.1537	-1.6504	1.27209
-2.80	1.2587	6.9712	8.2299	44.2656	-1.4550	1.25866
-2.60	1.2475	6.7223	7.9698	43.4397	-1.2588	1.24755
-2.40	1.2382	6.5189	7.7571	42.6639	-1.0621	1.23823
-2.20	1.2303	6.3515	7.5817	41.9282	-0.8649	1.23027
-2.00	1.2233	6.2118	7.4351	41.2237	-0.6674	1.22327
-1.80	1.2169	6.0928	7.3097	40.5428	-0.4697	1.21684
-1.60	1.2107	5.9879	7.1986	39.8789	-0.2719	1.21063
-1.40	1.2043	5.8911	7.0954	39.2260	-0.0741	1.20428
-1.20	1.1975	5.7965	6.9941	38.5784	0.1234	1.19742
-1.00	1.1899	5.6990	6.8889	37.9311	0.3206	1.18969
-0.80	1.1810	5.5933	6.7743	37.2794	0.5173	1.18076
-0.60	1.1708	5.4754	6.6462	36.6200	0.7136	1.17037
-0.40	1.1591	5.3431	6.5022	35.9512	0.9092	1.15842
-0.20	1.1460	5.1966	6.3427	35.2730	1.1043	1.14503
0.0	1.1321	5.0388	6.1710	34.5915	1.2987	1.13055
0.20	1.1178	4.8759	5.9937	33.9105	1.4932	1.11550
0.40	1.1042	4.7130	5.8173	33.2361	1.6879	1.10048
0.60	1.0920	4.5564	5.6484	32.5739	1.8830	1.08605
0.80	1.0821	4.4109	5.4930	31.9278	2.0791	1.07264
1.00	1.0755	4.2795	5.3550	31.2999	2.2764	1.06054
1.20	1.0734	4.1639	5.2373	30.6896	2.4756	1.04985
1.40	1.0780	4.0643	5.1423	30.0949	2.6774	1.04055
1.60	1.0923	3.9801	5.0724	29.5114	2.8832	1.03258
1.80	1.1218	3.9100	5.0317	28.9322	3.0947	1.02573
2.00	1.1758	3.8558	5.0317	28.3504	3.3152	1.01980
2.20	1.2734	3.8136	5.0870	27.7459	3.5498	1.01449
2.40	1.4314	3.8079	5.2393	27.1213	3.8006	1.01000
2.60	1.7669	3.8554	5.6223	26.4417	4.0920	1.00620
2.80	2.4293	3.9536	6.3829	25.5904	4.4303	1.00270
3.00	3.7910	4.2212	8.0122	24.4678	4.8236	0.99950

T = 4900						
LOG RHO	Z	F/RT	H/RT	S/R	LOG P	Z*
-7.00	1.9865	23.6065	25.5930	77.1387	-5.4479	1.98646
-6.80	1.9824	23.5087	25.4911	76.1269	-5.2488	1.98241
-6.60	1.9764	23.3577	25.3441	75.0743	-5.0501	1.97643
-6.40	1.9675	23.1604	25.1280	73.9588	-4.8520	1.96754
-6.20	1.9544	22.8561	24.8105	72.7512	-4.6549	1.95439
-6.00	1.9354	22.4172	24.3526	71.4164	-4.4592	1.93537
-5.80	1.9098	21.8047	23.7134	69.9184	-4.2652	1.90878
-5.60	1.8733	20.9879	22.8611	68.2304	-4.0733	1.87327
-5.40	1.8285	19.9585	21.7870	66.3483	-3.8838	1.82851
-5.20	1.7755	18.7400	20.5155	64.2998	-3.6965	1.77550
-5.00	1.7166	17.3873	19.1040	62.1429	-3.5113	1.71664
-4.80	1.6551	15.9736	17.6287	59.9528	-3.3271	1.65512

T= 4900

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.5941	14.5731	16.1672	57.8042	-3.1434	1.59415
-4.40	1.5364	13.2468	14.7832	55.7573	-2.9594	1.53640
-4.20	1.4837	12.0363	13.5200	53.8517	-2.7745	1.48367
-4.00	1.4369	10.9635	12.4005	52.1066	-2.5885	1.43691
-3.80	1.3964	10.0346	11.4310	50.5255	-2.4009	1.39638
-3.60	1.3619	9.2446	10.6064	49.1007	-2.2118	1.36187
-3.40	1.3329	8.5821	9.9150	47.8179	-2.0212	1.33297
-3.20	1.3087	8.0324	9.3411	46.6502	-1.8291	1.30873
-3.00	1.2888	7.5799	8.8687	45.6097	-1.6358	1.28876
-2.80	1.2723	7.2094	8.4817	44.6496	-1.4414	1.27228
-2.60	1.2587	6.9069	8.1655	43.7645	-1.2460	1.25966
-2.40	1.2473	6.6599	7.9072	42.9405	-1.0507	1.24732
-2.20	1.2378	6.4575	7.6953	42.1660	-0.8533	1.23777
-2.00	1.2295	6.2904	7.5199	41.4308	-0.6562	1.22953
-1.80	1.2222	6.1502	7.3724	40.7261	-0.4588	1.22220
-1.60	1.2154	6.0296	7.2450	40.0442	-0.2612	1.21538
-1.40	1.2088	5.9221	7.1308	39.3785	-0.0636	1.20870
-1.20	1.2019	5.8215	7.0234	38.7229	0.1339	1.20176
-1.00	1.1944	5.7221	6.9164	38.0717	0.3312	1.19420
-0.80	1.1859	5.6184	6.8043	37.4199	0.5281	1.18556
-0.60	1.1762	5.5058	6.6820	36.7633	0.7245	1.17591
-0.40	1.1651	5.3810	6.5461	36.0994	0.9204	1.16449
-0.20	1.1527	5.2428	6.3955	35.4274	1.1158	1.15170
0.00	1.1392	5.0925	6.2318	34.7494	1.3104	1.13765
0.20	1.1251	4.9348	6.0598	34.0703	1.5049	1.12279
0.40	1.1114	4.7746	5.8859	33.3951	1.6995	1.10767
0.60	1.0988	4.6179	5.7167	32.7296	1.8947	1.09289
0.80	1.0884	4.4701	5.5584	32.0782	2.0906	1.07894
1.00	1.0811	4.3348	5.4159	31.4436	2.2875	1.06617
1.20	1.0734	4.2143	5.2927	30.8261	2.4865	1.05475
1.40	1.0622	4.1095	5.1917	30.2240	2.6881	1.04475
1.60	1.0498	4.0201	5.1159	29.6336	2.8935	1.03608
1.80	1.1247	3.9451	5.0698	29.0480	3.1048	1.02861
2.00	1.1780	3.8862	5.0642	28.4602	3.3240	1.02212
2.20	1.2750	3.8394	5.1143	27.8503	3.5593	1.01631
2.40	1.4302	3.8319	5.2620	27.2237	3.8092	1.01150
2.60	1.7639	3.8793	5.6433	26.5451	4.1003	1.00730
2.80	2.4227	3.9758	6.3985	25.6941	4.4381	1.00350
3.00	3.7706	4.2379	8.0085	24.5715	4.8302	0.99990

T= 5000

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.9896	23.2848	25.2744	77.2905	-5.4384	1.98961
-6.80	1.9867	23.2129	25.1995	76.3029	-5.2390	1.98671
-6.60	1.9826	23.1153	25.0979	75.2914	-5.0399	1.98260
-6.40	1.9766	22.9759	24.9525	74.2402	-4.8413	1.97659
-6.20	1.9677	22.7718	24.7395	73.1279	-4.6432	1.96767
-6.00	1.9545	22.4730	24.4275	71.9257	-4.4461	1.95451
-5.80	1.9355	22.0426	23.9781	70.5994	-4.2504	1.93547
-5.60	1.9099	21.4422	23.3511	69.1135	-4.0564	1.90887
-5.40	1.8734	20.6420	22.5153	67.4421	-3.8645	1.87337
-5.20	1.8296	19.5335	21.4621	65.5809	-3.6751	1.82860
-5.00	1.7756	18.4399	20.2155	63.5572	-3.4878	1.77559
-4.80	1.7167	17.1147	18.8314	61.4277	-3.3025	1.71672

T = 5000						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.6552	15.7297	17.3848	59.2663	-3.1183	1.65518
-4.40	1.5942	14.3575	15.9517	57.1461	-2.9346	1.59420
-4.20	1.5364	13.0580	14.5944	55.1260	-2.7507	1.53642
-4.00	1.4837	11.8718	13.3555	53.2447	-2.5658	1.48366
-3.80	1.4369	10.8205	12.2574	51.5212	-2.3798	1.43687
-3.60	1.3963	9.9100	11.3063	49.9587	-2.1922	1.39630
-3.40	1.3617	9.1357	10.4974	48.5495	-2.0031	1.36174
-3.20	1.3327	8.4862	9.8188	47.2798	-1.8124	1.33268
-3.00	1.3085	7.9471	9.2556	46.1328	-1.6204	1.30847
-2.80	1.2884	7.5031	8.7915	45.0910	-1.4271	1.28842
-2.60	1.2718	7.1393	8.4111	44.1378	-1.2327	1.27183
-2.40	1.2581	6.8418	8.0999	43.2579	-1.0375	1.25807
-2.20	1.2466	6.5985	7.8451	42.4380	-0.8415	1.24657
-2.00	1.2368	6.3985	7.6354	41.6663	-0.6449	1.23680
-1.80	1.2283	6.2326	7.4609	40.9327	-0.4479	1.22829
-1.60	1.2207	6.0923	7.3129	40.2286	-0.2506	1.22061
-1.40	1.2134	5.9704	7.1839	39.5453	-0.0532	1.21336
-1.20	1.2062	5.8603	7.0666	38.8790	0.1442	1.20612
-1.00	1.1987	5.7558	6.9545	38.2207	0.3415	1.19851
-0.80	1.1904	5.6511	6.8415	37.5659	0.5385	1.19014
-0.60	1.1811	5.5410	6.7221	36.9097	0.7351	1.18068
-0.40	1.1705	5.4216	6.5921	36.2487	0.9312	1.16988
-0.20	1.1586	5.2904	6.4491	35.5812	1.1268	1.15763
0.0	1.1456	5.1474	6.2931	34.9076	1.3216	1.14404
0.20	1.1320	4.9958	6.1278	34.2315	1.5164	1.12946
0.40	1.1183	4.8396	5.9579	33.5572	1.7111	1.11439
0.60	1.1055	4.6845	5.7900	32.8900	1.9061	1.09940
0.80	1.0946	4.5357	5.6303	32.2347	2.1018	1.08503
1.00	1.0868	4.3976	5.4844	31.5944	2.2987	1.07168
1.20	1.0834	4.2730	5.3564	30.9703	2.4973	1.05962
1.40	1.0866	4.1633	5.2499	30.3613	2.6986	1.04892
1.60	1.0996	4.0689	5.1684	29.7640	2.9038	1.03962
1.80	1.1277	3.9892	5.1170	29.1721	3.1148	1.03154
2.00	1.1904	3.9251	5.1055	28.5780	3.3346	1.02450
2.20	1.2767	3.8733	5.1500	27.9620	3.5685	1.01820
2.40	1.4291	3.8640	5.2920	27.3334	3.8176	1.01290
2.60	1.7611	3.9115	5.6726	26.6558	4.1083	1.00840
2.80	2.4164	4.0064	6.4228	25.8051	4.4457	1.00430
3.00	3.7509	4.2632	9.0141	24.6824	4.8367	1.00050

T = 5100						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.9921	22.9572	24.9593	77.4309	-5.4293	1.99214
-6.80	1.9898	22.9073	24.8971	76.4541	-5.2298	1.98983
-6.60	1.9858	22.8336	24.8204	75.4647	-5.0304	1.98682
-6.40	1.9826	22.7347	24.7173	74.4517	-4.8313	1.98260
-6.20	1.9754	22.5943	24.5707	73.3996	-4.6327	1.97644
-6.00	1.9673	22.3997	24.3570	72.2868	-4.4347	1.96733
-5.80	1.9539	22.0910	24.0449	71.0850	-4.2377	1.95393
-5.60	1.9346	21.5618	23.5964	69.7673	-4.0420	1.93458
-5.40	1.9076	21.0647	22.9723	68.2781	-3.8481	1.90760
-5.20	1.8717	20.2708	22.1424	66.5137	-3.6563	1.87168
-5.00	1.8265	19.2731	21.0996	64.7641	-3.4669	1.82651
-4.80	1.7732	18.0956	19.8688	62.7576	-3.2798	1.77318

T= 5100

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.7141	16.7919	18.5061	60.6508	-3.0945	1.71411
-4.40	1.6525	15.4328	17.0853	58.5165	-2.9104	1.65252
-4.20	1.5916	14.0891	15.6877	56.4259	-2.7267	1.59160
-4.00	1.5340	12.8187	14.3527	54.4361	-2.5427	1.53399
-3.80	1.4814	11.5608	13.1423	52.5841	-2.3579	1.48145
-3.60	1.4349	10.6356	12.0705	50.8877	-2.1718	1.43489
-3.40	1.3946	9.7485	11.1430	49.3493	-1.9841	1.39456
-3.20	1.3602	8.9944	10.3546	47.9611	-1.7950	1.36020
-3.00	1.3313	8.3620	9.6933	46.7093	-1.6043	1.33131
-2.80	1.3072	7.8373	9.1445	45.5771	-1.4122	1.30723
-2.60	1.2872	7.4049	8.6922	44.5475	-1.2189	1.28725
-2.40	1.2707	7.0504	8.3211	43.5042	-1.0245	1.27068
-2.20	1.2569	6.7602	8.0171	42.7321	-0.8293	1.25690
-2.00	1.2453	6.5223	7.7676	41.9181	-0.6333	1.24530
-1.80	1.2354	6.3260	7.5614	41.1507	-0.4368	1.23537
-1.60	1.2267	6.1621	7.3888	40.4199	-0.2398	1.22562
-1.40	1.2187	6.0225	7.2412	39.7173	-0.0427	1.21861
-1.20	1.2110	5.8997	7.1108	39.0350	0.1546	1.21090
-1.00	1.2032	5.7872	6.9904	38.3666	0.3518	1.20308
-0.80	1.1950	5.6787	6.8737	37.7058	0.5488	1.19476
-0.60	1.1860	5.5695	6.7545	37.0474	0.7455	1.18555
-0.40	1.1758	5.4522	6.6280	36.3872	0.9418	1.17516
-0.20	1.1644	5.3262	6.4906	35.7223	1.1375	1.16340
0.0	1.1519	5.1894	6.3413	35.0521	1.3326	1.15028
0.20	1.1395	5.0438	6.1823	34.3792	1.5275	1.13603
0.40	1.1250	4.8922	6.0172	33.7064	1.7223	1.01211
0.60	1.1121	4.7394	5.8515	33.0385	1.9173	1.01060
0.80	1.1009	4.5905	5.6914	32.3801	2.1129	1.09125
1.00	1.0925	4.4503	5.5428	31.7350	2.3095	1.07138
1.20	1.0886	4.3222	5.4108	31.1049	2.5080	1.06470
1.40	1.0911	4.2082	5.2993	30.4893	2.7090	1.05375
1.60	1.1034	4.1091	5.2124	29.8853	2.9139	1.04337
1.80	1.1309	4.0249	5.1559	29.2874	3.1246	1.03466
2.00	1.1830	3.9557	5.1387	28.6869	3.3441	1.02704
2.20	1.2785	3.8988	5.1774	28.0647	3.5779	1.02022
2.40	1.4280	3.8877	5.3157	27.4342	3.8259	1.01450
2.60	1.7594	3.9352	5.5936	26.7574	4.1163	1.00950
2.80	2.4103	4.0285	6.4389	25.9071	4.4532	1.00500
3.00	3.7321	4.2802	8.0123	24.7843	4.8431	1.00100

T= 5200

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.0045	22.5629	24.6574	77.5693	-5.4203	1.99450
-6.80	1.9924	22.5055	24.5979	76.5938	-5.2208	1.99241
-6.60	1.9900	22.5429	24.5328	75.6142	-5.0213	1.98998
-6.40	1.9858	22.4666	24.4535	74.6222	-4.8220	1.98692
-6.20	1.9824	22.3651	24.3475	73.6067	-4.6229	1.98241
-6.00	1.9760	22.2217	24.1977	72.5517	-4.4243	1.97601
-5.80	1.9666	22.0136	23.9802	71.4357	-4.2264	1.96658
-5.60	1.9527	21.7108	23.6635	70.2302	-4.0295	1.95273
-5.40	1.9328	21.2772	23.2100	68.9017	-3.8339	1.93281
-5.20	1.9051	20.6763	22.5814	67.4168	-3.6402	1.90513
-5.00	1.8685	19.8810	21.7494	65.7522	-3.4487	1.86846
-4.80	1.8226	18.8866	20.7091	63.9076	-3.2595	1.82256

T = 5200						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.7686	17.7191	19.4878	61.9130	-3.0725	1.76865
-4.40	1.7092	16.4331	18.1423	59.8260	-2.8873	1.70925
-4.20	1.6476	15.0984	16.7460	57.7184	-2.7033	1.64758
-4.00	1.5868	13.7840	15.3708	55.6593	-2.5196	1.58682
-3.80	1.5295	12.5453	14.0749	53.7033	-2.3356	1.52954
-3.60	1.4774	11.4191	12.8965	51.8850	-2.1506	1.47742
-3.40	1.4313	10.4240	11.8553	50.2203	-1.9644	1.43133
-3.20	1.3914	9.5641	10.9556	48.7108	-1.7767	1.39144
-3.00	1.3575	8.8340	10.1915	47.3479	-1.5874	1.35750
-2.80	1.3290	8.2222	9.5512	46.1179	-1.3966	1.32895
-2.60	1.3051	7.7146	9.0198	45.0038	-1.2045	1.30515
-2.40	1.2854	7.2964	8.5819	43.9893	-1.0111	1.28537
-2.20	1.2689	6.9533	8.2222	43.0581	-0.8167	1.26892
-2.00	1.2552	6.6719	7.9271	42.1956	-0.6214	1.25519
-1.80	1.2436	6.4406	7.6842	41.3891	-0.4255	1.24353
-1.60	1.2335	6.2489	7.4825	40.6271	-0.2290	1.23346
-1.40	1.2245	6.0878	7.3123	39.9000	-0.0322	1.22447
-1.20	1.2162	5.9491	7.1653	39.1993	0.1649	1.21609
-1.00	1.2080	5.8255	7.0335	38.5175	0.3619	1.20788
-0.80	1.1997	5.7103	6.9100	37.8479	0.5589	1.19942
-0.60	1.1907	5.5975	6.7982	37.1847	0.7557	1.19031
-0.40	1.1809	5.4818	6.6927	36.5229	0.9521	1.18020
-0.20	1.1699	5.3592	6.5921	35.8590	1.1480	1.16885
0.0	1.1578	5.2272	6.4950	35.1910	1.3432	1.15616
0.20	1.1447	5.0866	6.4013	34.5202	1.5383	1.14226
0.40	1.1314	4.9390	6.3104	33.8485	1.7332	1.01275
0.60	1.1185	4.7884	5.9069	33.1799	1.9282	1.01124
0.80	1.1070	4.6397	5.7467	32.5189	2.1237	1.09737
1.00	1.0983	4.4979	5.5962	31.8694	2.3203	1.08307
1.20	1.0937	4.3660	5.4606	31.2338	2.5185	1.06982
1.40	1.0957	4.2490	5.3446	30.6121	2.7193	1.05785
1.60	1.1073	4.1455	5.2529	30.0019	2.9239	1.04722
1.80	1.1343	4.0572	5.1914	29.3980	3.1343	1.03788
2.00	1.1857	3.9833	5.1690	28.7913	3.3536	1.02968
2.20	1.2805	3.9218	5.2022	28.1634	3.5870	1.02233
2.40	1.4269	3.9088	5.3357	27.5309	3.8340	1.01600
2.60	1.7557	3.9563	5.7120	26.8550	4.1240	1.01060
2.80	2.4045	4.0481	6.4526	26.0050	4.4606	1.00590
3.00	3.7140	4.2950	8.0000	24.8822	4.8494	1.00150

T = 5300						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	1.9970	22.3795	24.3765	77.7144	-5.4115	1.99700
-6.80	1.9949	22.3173	24.3121	76.7330	-5.2120	1.99486
-6.60	1.9926	22.2567	24.2493	75.7543	-5.0124	1.99263
-6.40	1.9900	22.1910	24.1811	74.7715	-4.8130	1.99003
-6.20	1.9867	22.1115	24.0982	73.7764	-4.6137	1.98669
-6.00	1.9820	22.0061	23.9882	72.7571	-4.4148	1.98204
-5.80	1.9753	21.8579	23.8332	71.6975	-4.2162	1.97530
-5.60	1.9654	21.6435	23.6089	70.5756	-4.0184	1.96541
-5.40	1.9509	21.3326	23.2835	69.3627	-3.8216	1.95092
-5.20	1.9302	20.8895	22.8196	68.0257	-3.6263	1.93018
-5.00	1.9015	20.2785	22.1800	66.5321	-3.4328	1.90151
-4.80	1.8637	19.4751	21.3389	64.8614	-3.2415	1.86375

T= 5300

LOG RHO	Z	E/RT	4/RT	S/R	LOG P	Z*
-4.60	1.8168	19.4777	20.2946	63.0162	-3.0525	1.81684
-4.40	1.7621	17.3155	19.0776	61.0296	-2.8658	1.76215
-4.20	1.7023	16.0442	17.7465	58.9605	-2.6808	1.70230
-4.00	1.6406	14.7331	16.3737	56.8797	-2.4969	1.64056
-3.80	1.5801	13.4490	15.0291	54.8542	-2.3132	1.58006
-3.60	1.5233	12.2443	13.7676	52.9351	-2.1291	1.52327
-3.40	1.4718	11.1528	12.6246	51.1542	-1.9447	1.47178
-3.20	1.4263	10.1910	11.6174	49.5253	-1.7576	1.42635
-3.00	1.3871	9.3617	10.7489	48.0485	-1.5698	1.38712
-2.80	1.3538	8.6586	10.0124	46.7145	-1.3803	1.35376
-2.60	1.3257	8.0701	9.3958	45.5092	-1.1894	1.32572
-2.40	1.3023	7.5820	8.8843	44.4161	-0.9971	1.30232
-2.20	1.2828	7.1798	8.4627	43.4189	-0.8037	1.28284
-2.00	1.2666	6.8495	8.1161	42.5016	-0.6092	1.26659
-1.80	1.2530	6.5782	7.8312	41.6503	-0.4139	1.25293
-1.60	1.2413	6.3544	7.5957	40.8522	-0.2180	1.24127
-1.40	1.2311	6.1679	7.3991	40.0965	-0.0216	1.23106
-1.20	1.2219	6.0098	7.2317	39.3736	0.1752	1.22179
-1.00	1.2132	5.8721	7.0852	38.6751	0.3720	1.21300
-0.80	1.2045	5.7474	6.9519	37.9938	0.5689	1.20423
-0.60	1.1955	5.6294	6.8248	37.3231	0.7657	1.19506
-0.40	1.1857	5.5121	6.6978	36.6575	0.9621	1.18509
-0.20	1.1751	5.3908	6.5659	35.9926	1.1582	1.17404
0.0	1.1633	5.2623	6.4256	35.3255	1.3536	1.16172
0.20	1.1506	5.1253	6.2759	34.6557	1.5488	1.14817
0.40	1.1375	4.9809	6.1184	33.9845	1.7438	1.13363
0.60	1.1247	4.8324	5.9571	33.3151	1.9389	1.11853
0.80	1.1131	4.6842	5.7973	32.6518	2.1344	1.10330
1.00	1.1040	4.5414	5.6453	31.9985	2.3308	1.08873
1.20	1.0990	4.4079	5.5069	31.3580	2.5288	1.07499
1.40	1.1003	4.2867	5.3870	30.7307	2.7294	1.06241
1.60	1.1114	4.1794	5.2908	30.1146	2.9337	1.05116
1.80	1.1377	4.0871	5.2248	29.5051	3.1439	1.04121
2.00	1.1886	4.0091	5.1977	28.8928	3.3629	1.03243
2.20	1.2426	3.9433	5.2259	28.2595	3.5959	1.02453
2.40	1.4258	3.9286	5.3544	27.5249	3.8419	1.01690
2.60	1.7531	3.9760	5.7291	26.9499	4.1317	1.01000
2.80	2.3999	4.0564	6.4653	26.1001	4.4679	1.00520
3.00	3.6965	4.3086	8.0052	24.9774	4.8556	1.00380

T= 5400

LOG RHO	Z	E/RT	4/RT	S/R	LOG P	Z*
-7.00	1.9999	22.1223	24.1222	77.9727	-5.4027	1.99989
-6.80	1.9974	22.0491	24.0466	76.8792	-5.2033	1.99745
-6.60	1.9951	21.9836	23.9787	75.8943	-5.0038	1.99515
-6.40	1.9928	21.9197	23.9125	74.9121	-4.8043	1.99277
-6.20	1.9900	21.8506	23.8406	73.9259	-4.6049	1.98999
-6.00	1.9864	21.7671	23.7535	72.9268	-4.4057	1.98641
-5.80	1.9814	21.6565	23.6380	71.9026	-4.2068	1.98144
-5.60	1.9743	21.5014	23.4757	70.8365	-4.0083	1.97427
-5.40	1.9638	21.2778	23.2415	69.7060	-3.8107	1.96376
-5.20	1.9484	20.9548	22.9032	68.4819	-3.6141	1.94843
-5.00	1.9266	20.4968	22.4234	67.1314	-3.4193	1.92659
-4.80	1.8966	19.9697	21.7663	65.6237	-3.2258	1.89662

T= 5400

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.8575	19.0519	20.9094	63.9411	-3.0348	1.85747
-4.40	1.8093	18.0461	19.8554	62.0907	-2.8462	1.80928
-4.20	1.7536	16.9851	18.6387	60.1091	-2.6598	1.75362
-4.00	1.6933	15.5266	17.3199	58.0569	-2.4750	1.69326
-3.80	1.6315	14.3393	15.9708	56.0040	-2.2912	1.63150
-3.60	1.5714	13.0871	14.6585	54.0144	-2.1075	1.57139
-3.40	1.5153	11.9188	13.4340	52.1356	-1.9233	1.51527
-3.20	1.4646	10.8650	12.3296	50.3960	-1.7380	1.46460
-3.00	1.4200	9.9397	11.3597	48.8067	-1.5514	1.42005
-2.80	1.3816	9.1439	10.5256	47.3660	-1.3633	1.38165
-2.60	1.3490	8.4705	9.8196	46.0641	-1.1737	1.34905
-2.40	1.3217	7.9075	9.2292	44.8863	-0.9826	1.32166
-2.20	1.2988	7.4409	8.7397	43.8165	-0.7902	1.29877
-2.00	1.2797	7.0564	8.3361	42.8384	-0.5966	1.27969
-1.80	1.2637	6.7402	8.0040	41.9367	-0.4021	1.26370
-1.60	1.2502	6.4799	7.7301	41.0976	-0.2068	1.25017
-1.40	1.2386	6.2643	7.5028	40.3090	-0.0108	1.23850
-1.20	1.2282	6.0834	7.3116	39.5601	0.1855	1.22813
-1.00	1.2187	5.9284	7.1471	38.8418	0.3822	1.21857
-0.80	1.2096	5.7915	7.0011	38.1457	0.5789	1.20931
-0.60	1.2003	5.6656	6.8659	37.4649	0.7755	1.19991
-0.40	1.1906	5.5444	6.7350	36.7931	0.9720	1.18995
-0.20	1.1801	5.4224	6.6025	36.1253	1.1682	1.17908
0.0	1.1687	5.2956	6.4643	35.4576	1.3637	1.16706
0.20	1.1563	5.1607	6.3170	34.7874	1.5590	1.15382
0.40	1.1434	5.0189	6.1623	34.1160	1.7542	1.13953
0.60	1.1307	4.8723	6.0030	33.4458	1.9493	1.12452
0.80	1.1190	4.7249	5.8439	32.7805	2.1448	1.10928
1.00	1.1096	4.5815	5.6912	32.1241	2.3411	1.09433
1.20	1.1042	4.4463	5.5506	31.4793	2.5390	1.08014
1.40	1.1050	4.3224	5.4274	30.8469	2.7394	1.06703
1.60	1.1155	4.2118	5.3273	30.2255	2.9435	1.05518
1.80	1.1412	4.1158	5.2571	29.6106	3.1533	1.04463
2.00	1.1916	4.0342	5.2258	28.9931	3.3721	1.03526
2.20	1.2848	3.9647	5.2494	28.3548	3.6048	1.02682
2.40	1.4248	3.9482	5.3730	27.7181	3.8497	1.01830
2.60	1.7506	3.9956	5.7462	27.0440	4.1392	1.01130
2.80	2.3935	4.7845	6.4780	26.1945	4.4750	1.00620
3.00	3.6797	4.3224	8.0022	25.0719	4.8618	1.00420

T= 5500

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.0034	21.8963	23.8997	78.0503	-5.3940	2.00340
-6.80	2.0004	21.8063	23.8067	77.0384	-5.1947	2.00044
-6.60	1.9978	21.7296	23.7275	76.0411	-4.9952	1.99783
-6.40	1.9954	21.6608	23.6561	75.0528	-4.7958	1.99538
-6.20	1.9928	21.5936	23.5864	74.0672	-4.5963	1.99282
-6.00	1.9898	21.5206	23.5105	73.0773	-4.3970	1.98983
-5.80	1.9860	21.4324	23.4183	72.0735	-4.1978	1.98597
-5.60	1.9806	21.3154	23.2961	71.0432	-3.9990	1.98062
-5.40	1.9729	21.1515	23.1244	69.9688	-3.8007	1.97290
-5.20	1.9616	20.9158	22.8774	68.8269	-3.6032	1.96161
-5.00	1.9452	20.5768	22.5220	67.5881	-3.4068	1.94523
-4.80	1.9220	20.0991	22.0212	66.2198	-3.2120	1.92204



T= 5500						
LOG RHO	Z	E/RT	I/RT	S/R	LJG P	Z*
-4.60	1.8905	19.4577	21.3411	64.6931	-3.0192	1.89047
-4.40	1.8497	18.6135	20.4631	62.9944	-2.8287	1.84965
-4.20	1.8000	17.5952	19.3952	61.1355	-2.6405	1.79998
-4.00	1.7432	16.4332	18.1764	59.1574	-2.4544	1.74325
-3.80	1.6824	15.1870	16.8694	57.1224	-2.2699	1.68238
-3.60	1.6207	13.9243	15.5450	55.0992	-2.0861	1.62068
-3.40	1.5611	12.7057	14.2668	53.1481	-1.9023	1.56110
-3.20	1.5058	11.5762	13.0820	51.3126	-1.7180	1.50582
-3.00	1.4562	10.5625	12.0188	49.6173	-1.5326	1.45617
-2.80	1.4127	9.5760	11.0887	48.0704	-1.3457	1.41266
-2.60	1.3753	8.9159	10.2912	46.5686	-1.1574	1.37526
-2.40	1.3435	8.2741	9.6177	45.4010	-0.9675	1.34355
-2.20	1.3169	7.7382	9.0552	44.2527	-0.7762	1.31691
-2.00	1.2946	7.2944	8.5890	43.2077	-0.5836	1.29463
-1.80	1.2760	6.9285	8.2045	42.2500	-0.3899	1.27600
-1.60	1.2603	6.6272	7.8875	41.3648	-0.1953	1.26030
-1.40	1.2470	6.3783	7.6253	40.5387	0.0001	1.24691
-1.20	1.2353	6.1711	7.4064	39.7599	0.1960	1.23521
-1.00	1.2248	5.9957	7.2205	39.0181	0.3923	1.22465
-0.80	1.2150	5.8437	7.0587	38.3044	0.5888	1.21473
-0.60	1.2054	5.7073	6.9127	37.6107	0.7853	1.20494
-0.40	1.1955	5.5798	6.7752	36.9303	0.9818	1.19482
-0.20	1.1850	5.4550	6.6400	36.2573	1.1779	1.18401
0.00	1.1738	5.3283	6.5021	35.5874	1.3735	1.17218
0.20	1.1618	5.1938	6.3556	34.9151	1.5691	1.15927
0.40	1.1492	5.0535	6.2026	34.2427	1.7643	1.14516
0.60	1.1365	4.9086	6.0451	33.5715	1.9595	1.13028
0.80	1.1248	4.7624	5.8872	32.9047	2.1550	1.11500
1.00	1.1152	4.6191	5.7344	32.2457	2.3513	1.09983
1.20	1.1094	4.4829	5.5923	31.5974	2.5490	1.08526
1.40	1.1098	4.3569	5.4665	30.9607	2.7492	1.07166
1.60	1.1197	4.2435	5.3632	30.3345	2.9530	1.05925
1.80	1.1448	4.1443	5.2891	29.7145	3.1627	1.04811
2.00	1.1947	4.0596	5.2543	29.0925	3.3812	1.03816
2.20	1.2870	3.9869	5.2739	28.4496	3.6135	1.02918
2.40	1.4238	3.9686	5.3924	27.8108	3.8574	1.02010
2.60	1.7481	4.0160	5.7641	27.1376	4.1465	1.01270
2.80	2.3882	4.1035	6.4917	26.2883	4.4820	1.00710
3.00	3.6635	4.3374	8.0009	25.1660	4.8678	1.00550

T= 5600						
LOG RHO	Z	F/RT	I/RT	S/R	LJG P	Z*
-7.00	2.0077	21.7063	23.7140	78.2530	-5.3852	2.00775
-6.80	2.0040	21.5931	23.5971	77.2161	-5.1860	2.00403
-6.60	2.0009	21.4906	23.5005	76.2005	-4.9867	2.00090
-6.40	1.9981	21.4198	23.4179	75.1999	-4.7873	1.99813
-6.20	1.9955	21.3478	23.3433	74.2083	-4.5879	1.99551
-6.00	1.9927	21.2771	23.2699	73.2192	-4.3885	1.99275
-5.80	1.9895	21.1999	23.1894	72.2251	-4.1892	1.98952
-5.60	1.9853	21.1059	23.0912	71.2158	-3.9901	1.98533
-5.40	1.9795	20.9810	22.9606	70.1779	-3.7914	1.97950
-5.20	1.9711	20.8059	22.7770	69.0930	-3.5932	1.97110
-5.00	1.9588	20.5546	22.5135	67.9366	-3.3960	1.95884
-4.80	1.9411	20.1952	22.1363	66.5789	-3.1999	1.94115

T= 5600

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.9163	19.6925	21.6089	65.2878	-3.0055	1.91631
-4.40	1.8828	19.0170	20.8999	63.7371	-2.8131	1.88284
-4.20	1.8401	18.1554	19.9955	62.0179	-2.6231	1.84008
-4.00	1.7887	17.1214	18.9101	60.1480	-2.4354	1.78872
-3.80	1.7308	15.9559	17.6877	58.1729	-2.2497	1.73084
-3.60	1.6695	14.7234	16.3929	56.1564	-2.0654	1.66951
-3.40	1.6080	13.4871	15.0951	54.1655	-1.8817	1.60799
-3.20	1.5491	12.3047	13.8538	52.2563	-1.6979	1.54912
-3.00	1.4949	11.2167	12.7116	50.4676	-1.5133	1.49490
-2.80	1.4465	10.2460	11.6925	48.8198	-1.3275	1.44645
-2.60	1.4042	9.4008	10.8050	47.3185	-1.1495	1.40418
-2.40	1.3679	8.6785	10.0465	45.9581	-0.9519	1.36794
-2.20	1.3373	8.0701	9.4074	44.7269	-0.7517	1.33726
-2.00	1.3115	7.5628	8.8743	43.6100	-0.5702	1.31148
-1.80	1.2899	7.1429	8.4328	42.5912	-0.3774	1.28989
-1.60	1.2718	6.7965	8.0683	41.6550	-0.1835	1.27175
-1.40	1.2565	6.5107	7.7671	40.7871	0.0112	1.25639
-1.20	1.2432	6.2737	7.5169	39.9746	0.2066	1.24314
-1.00	1.2316	6.0749	7.3065	39.2061	0.4025	1.23140
-0.80	1.2209	5.9051	7.1260	38.4716	0.5987	1.22062
-0.60	1.2107	5.7558	6.9665	37.7624	0.7951	1.21027
-0.40	1.2005	5.6196	6.8201	37.0710	0.9914	1.19986
-0.20	1.1900	5.4900	6.6800	36.3910	1.1876	1.18897
0.0	1.1789	5.3616	6.5404	35.7170	1.3832	1.17725
0.20	1.1671	5.2267	6.3938	35.0419	1.5789	1.16448
0.40	1.1547	5.0875	6.2422	34.3681	1.7742	1.15064
0.60	1.1422	4.9444	6.0866	33.6961	1.9695	1.13589
0.80	1.1305	4.7997	5.9302	33.0281	2.1650	1.12062
1.00	1.1207	4.6570	5.7777	32.3671	2.3613	1.10529
1.20	1.1146	4.5201	5.6347	31.7157	2.5589	1.09039
1.40	1.1145	4.3924	5.5069	31.0750	2.7589	1.07634
1.60	1.1239	4.2766	5.4005	30.4443	2.9625	1.06339
1.80	1.1485	4.1742	5.3227	29.8193	3.1719	1.05168
2.00	1.1979	4.0867	5.2846	29.1930	3.3902	1.04116
2.20	1.2894	4.0110	5.3004	28.5458	3.6222	1.03163
2.40	1.4228	3.9909	5.4138	27.9049	3.8649	1.02230
2.60	1.7457	4.0383	5.7340	27.2325	4.1537	1.01480
2.80	2.3832	4.1244	6.5075	26.3833	4.4889	1.00870
3.00	3.6479	4.3544	8.0022	25.2613	4.8738	1.00680

T= 5700

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.0132	21.5576	23.5707	78.4872	-5.3764	2.01318
-6.80	2.0084	21.4144	23.4228	77.4180	-5.1774	2.00844
-6.60	2.0045	21.2980	23.3025	76.3776	-4.9783	2.00455
-6.40	2.0012	21.2016	23.2029	75.3589	-4.7790	2.00125
-6.20	1.9983	21.1190	23.1173	74.3553	-4.5796	1.99833
-6.00	1.9955	21.0439	23.0395	73.3607	-4.3802	1.99554
-5.80	1.9926	20.9696	22.9622	72.3681	-4.1809	1.99257
-5.60	1.9891	20.8876	22.8767	71.3693	-3.9816	1.98906
-5.40	1.9845	20.7870	22.7715	70.3536	-3.7826	1.98447
-5.20	1.9781	20.6526	22.6377	69.3067	-3.5840	1.97907
-5.00	1.9688	20.4639	22.4328	68.2091	-3.3861	1.96884
-4.80	1.9554	20.1938	22.1493	67.0352	-3.1890	1.95542

T= 5700

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.9362	19.8097	21.7459	65.7548	-2.9933	1.93619
-4.40	1.9094	19.2775	21.1869	64.3368	-2.7994	1.90941
-4.20	1.8738	18.5706	20.4443	62.7584	-2.6076	1.87376
-4.00	1.8288	17.6815	19.5103	61.0164	-2.4181	1.82885
-3.80	1.7757	16.6302	18.4059	59.1349	-2.2309	1.77571
-3.60	1.7167	15.4637	17.1804	57.1641	-2.0456	1.71671
-3.40	1.6550	14.2448	15.8999	55.1689	-1.8615	1.65502
-3.20	1.5939	13.0373	14.6312	53.2133	-1.6778	1.59387
-3.00	1.5359	11.8937	13.4296	51.3492	-1.4939	1.53590
-2.80	1.4829	10.8495	12.3325	49.6102	-1.3091	1.48291
-2.60	1.4358	9.9237	11.3595	48.0125	-1.1232	1.43585
-2.40	1.3949	9.1212	10.5162	46.5585	-0.9357	1.39494
-2.20	1.3600	8.4379	9.7979	45.2411	-0.7467	1.35997
-2.00	1.3304	7.8637	9.1941	44.0475	-0.5563	1.33040
-1.80	1.3056	7.3856	8.6912	42.9626	-0.3645	1.30555
-1.60	1.2847	6.9879	8.2745	41.9707	-0.1715	1.28468
-1.40	1.2671	6.6631	7.9303	41.0564	0.0225	1.26706
-1.20	1.2521	6.3927	7.6449	40.2061	0.2174	1.25201
-1.00	1.2390	6.1673	7.4064	39.4071	0.4128	1.23887
-0.80	1.2273	5.9768	7.2041	38.6487	0.6087	1.22703
-0.60	1.2164	5.8120	7.0283	37.9212	0.8048	1.21595
-0.40	1.2057	5.6648	6.8706	37.2164	1.0010	1.20509
-0.20	1.1950	5.5283	6.7233	36.5270	1.1971	1.19399
0.0	1.1839	5.3962	6.5871	35.8472	1.3928	1.18225
0.20	1.1724	5.2611	6.4335	35.1694	1.5885	1.16959
0.40	1.1601	5.1233	6.2835	34.4946	1.7840	1.15592
0.60	1.1477	4.9823	6.1300	33.8221	1.9793	1.14131
0.80	1.1360	4.8394	5.9754	33.1534	2.1748	1.12607
1.00	1.1261	4.6974	5.8235	32.4907	2.3710	1.11063
1.20	1.1177	4.5600	5.6797	31.8363	2.5686	1.09546
1.40	1.1102	4.4307	5.5500	31.1918	2.7684	1.08100
1.60	1.1032	4.3124	5.4406	30.5565	2.9718	1.06756
1.80	1.1522	4.2068	5.3590	29.9265	3.1810	1.05530
2.00	1.2010	4.1166	5.3176	29.2958	3.3990	1.04422
2.20	1.2018	4.0378	5.3297	28.6442	3.6307	1.03414
2.40	1.4218	4.0159	5.4377	28.0010	3.8723	1.02440
2.60	1.7434	4.0632	5.8066	27.3294	4.1509	1.01610
2.80	2.3783	4.1478	6.5262	26.4802	4.4957	1.00990
3.00	3.6328	4.3735	8.0064	25.3580	4.8797	1.00710

T= 5800

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.0000	21.4557	23.4757	78.7595	-5.3674	2.01995
-6.80	2.0139	21.2747	23.2886	77.6498	-5.1687	2.01390
-6.60	2.0090	21.1288	23.1378	76.5776	-4.9697	2.00499
-6.40	2.0049	21.0101	23.0150	75.5347	-4.7706	2.00494
-6.20	2.0015	20.9114	22.9129	74.5135	-4.5714	2.00150
-6.00	1.9984	20.8263	22.8247	73.5074	-4.3720	1.99843
-5.80	1.9954	20.7483	22.7438	72.5098	-4.1727	1.99545
-5.60	1.9922	20.6701	22.6624	71.5133	-3.9734	1.99225
-5.40	1.9884	20.5827	22.5711	70.5093	-3.7742	1.98841
-5.20	1.9833	20.4742	22.4576	69.4862	-3.5753	1.98334
-5.00	1.9762	20.3284	22.3046	68.4286	-3.3769	1.97625
-4.80	1.9660	20.1233	22.0893	67.3156	-3.1791	1.96602

T= 5800

LOG RHO	Z	E/RT	4/RT	S/R	LOG P	Z*
-4.60	1.9512	19.8306	21.7818	66.1208	-2.9824	1.95122
-4.40	1.9301	19.4173	21.3474	64.9134	-2.7871	1.93015
-4.20	1.9111	18.8506	20.7517	63.3642	-2.5937	1.90113
-4.00	1.8630	18.1781	19.9712	61.7546	-2.4025	1.86304
-3.80	1.8158	17.1890	19.0048	59.9881	-2.2136	1.81581
-3.60	1.7608	16.1203	17.8811	58.0955	-2.0270	1.76085
-3.40	1.7008	14.9535	16.6543	56.1315	-1.8421	1.70080
-3.20	1.6389	13.7520	15.3909	54.1610	-1.6582	1.63893
-3.00	1.5783	12.5764	14.1548	52.2447	-1.4745	1.57835
-2.80	1.5215	11.4744	12.9959	50.4291	-1.2904	1.52150
-2.60	1.4699	10.4765	11.9465	48.7426	-1.1054	1.46994
-2.40	1.4244	9.5973	11.0217	47.1972	-0.9191	1.42441
-2.20	1.3850	8.8390	10.2240	45.7922	-0.7313	1.38502
-2.00	1.3514	8.1956	9.5470	44.5189	-0.5419	1.35142
-1.80	1.3231	7.6561	8.9791	43.3637	-0.3511	1.32303
-1.60	1.2992	7.2075	8.5067	42.3115	-0.1590	1.29915
-1.40	1.2791	6.8361	8.1152	41.3466	0.0342	1.27902
-1.20	1.2620	6.5289	7.7910	40.4544	0.2283	1.26192
-1.00	1.2473	6.2738	7.5211	39.6215	0.4233	1.24716
-0.80	1.2343	6.0596	7.2940	38.8360	0.6187	1.23408
-0.60	1.2225	5.8767	7.0992	38.0874	0.8145	1.22208
-0.40	1.2113	5.7163	6.9276	37.3666	1.0105	1.21061
-0.20	1.2002	5.5707	6.7709	36.6658	1.2065	1.19915
0.0	1.1889	5.4332	6.6221	35.9781	1.4022	1.18728
0.20	1.1775	5.2980	6.4755	35.2979	1.5980	1.17465
0.40	1.1654	5.1619	6.3272	34.6223	1.7935	1.16108
0.60	1.1531	5.0232	6.1763	33.9498	1.9889	1.14659
0.80	1.1414	4.8824	6.0237	33.2807	2.1844	1.13139
1.00	1.1314	4.7414	5.8728	32.6165	2.3806	1.11586
1.20	1.1248	4.6037	5.7285	31.9594	2.5781	1.10046
1.40	1.1240	4.4728	5.5958	31.3110	2.7778	1.08564
1.60	1.1325	4.3520	5.4845	30.6712	2.9810	1.07174
1.80	1.1560	4.2432	5.3991	30.0360	3.1900	1.05896
2.00	1.2042	4.1500	5.3543	29.4009	3.4077	1.04733
2.20	1.2944	4.0681	5.3625	28.7447	3.6391	1.03671
2.40	1.4209	4.0442	5.4652	28.0992	3.8796	1.02620
2.60	1.7412	4.0915	5.8326	27.4283	4.1678	1.01750
2.80	2.3736	4.1746	6.5482	26.5791	4.5024	1.01100
3.00	3.6182	4.3961	8.0143	25.4566	4.8855	1.00820

T= 5900

LOG RHO	Z	E/RT	4/RT	S/R	LOG P	Z*
-7.00	2.0284	21.4071	23.4355	79.0776	-5.3581	2.02838
-6.80	2.0206	21.1794	23.2001	77.9177	-5.1598	2.02066
-6.60	2.0144	20.9967	23.0111	76.8058	-4.9611	2.01443
-6.40	2.0094	20.8492	22.8586	75.7319	-4.7622	2.00938
-6.20	2.0052	20.7289	22.7340	74.6872	-4.5631	2.00520
-6.00	2.0016	20.6284	22.6300	73.6641	-4.3639	2.00162
-5.80	1.9984	20.5411	22.5395	72.6550	-4.1646	1.99840
-5.60	1.9952	20.4602	22.4554	71.6553	-3.9653	1.99523
-5.40	1.9918	20.3778	22.3696	70.6549	-3.7661	1.99176
-5.20	1.9875	20.2842	22.2717	69.6450	-3.5670	1.98754
-5.00	1.9819	20.1665	22.1484	68.6132	-3.3682	1.98191
-4.80	1.9740	20.0071	21.9811	67.5428	-3.1699	1.97399

T= 5900						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.9626	19.7825	21.7451	66.4117	-2.9725	1.96259
-4.40	1.9461	19.4634	21.4095	65.1923	-2.7761	1.94614
-4.20	1.9229	19.0163	20.9393	63.8541	-2.5813	1.92294
-4.00	1.8914	18.4109	20.3023	62.3700	-2.3885	1.89141
-3.80	1.8517	17.6300	19.4806	60.7271	-2.1980	1.85066
-3.60	1.8010	16.5301	18.4811	58.9361	-2.0098	1.80101
-3.40	1.7443	15.5954	17.3397	57.0349	-1.8237	1.74428
-3.20	1.6833	14.4314	16.1147	55.0816	-1.6391	1.68335
-3.00	1.6215	13.2510	14.8725	53.1402	-1.4554	1.62151
-2.80	1.5617	12.1109	13.6725	51.2673	-1.2717	1.56173
-2.60	1.5062	11.0533	12.5595	49.5035	-1.0874	1.50621
-2.40	1.4563	10.1036	11.5599	47.9719	-0.9020	1.45626
-2.20	1.4124	9.2722	10.6846	46.3802	-0.7153	1.41241
-2.00	1.3746	8.5586	9.9333	45.0252	-0.5271	1.37462
-1.80	1.3425	7.9552	9.2977	43.7963	-0.3374	1.34246
-1.60	1.3153	7.4504	8.7657	42.6797	-0.1463	1.31529
-1.40	1.2925	7.0310	8.3234	41.6600	0.0461	1.29239
-1.20	1.2731	6.6935	7.9566	40.7219	0.2396	1.27299
-1.00	1.2565	6.3954	7.6519	39.8514	0.4339	1.25637
-0.80	1.2421	6.1547	7.3968	39.0355	0.6289	1.24183
-0.60	1.2292	5.9511	7.1873	38.2629	0.8243	1.22874
-0.40	1.2172	5.7751	6.9922	37.5236	1.0200	1.21649
-0.20	1.2056	5.6183	6.8239	36.8090	1.2159	1.20454
0.0	1.1940	5.4735	6.6675	36.1116	1.4115	1.19240
0.20	1.1825	5.3383	6.5208	35.4291	1.6072	1.17959
0.40	1.1704	5.2042	6.3746	34.7532	1.8028	1.16616
0.60	1.1582	5.0682	6.2264	34.0810	1.9982	1.15175
0.80	1.1466	4.9297	6.0763	33.4119	2.1938	1.13659
1.00	1.1366	4.7900	5.9266	32.7466	2.3900	1.12100
1.20	1.1298	4.6521	5.7819	32.0870	2.5874	1.10541
1.40	1.1287	4.5197	5.6484	31.4348	2.7870	1.09027
1.60	1.1358	4.3964	5.5332	30.7903	2.9901	1.07594
1.80	1.1598	4.2842	5.4440	30.1499	3.1988	1.06266
2.00	1.2075	4.1881	5.3956	29.5102	3.4163	1.05050
2.20	1.2970	4.1030	5.4000	28.8494	3.6474	1.03934
2.40	1.4270	4.0771	5.4971	28.2015	3.8867	1.02890
2.60	1.7390	4.1243	5.8633	27.5314	4.1747	1.01917
2.80	2.3691	4.2057	6.5749	26.6819	4.5090	1.01200
3.00	3.6042	4.4229	8.0270	25.5587	4.8912	1.00920

T= 5000						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.0388	21.4187	23.4575	79.4495	-5.3485	2.03975
-6.80	2.0290	21.1341	23.1630	78.2293	-5.1507	2.02897
-6.60	2.0211	20.7051	22.9272	77.0678	-4.9524	2.02111
-6.40	2.0148	20.7229	22.7377	75.9555	-4.7538	2.01477
-6.20	2.0096	20.5749	22.5845	74.8808	-4.5549	2.00960
-6.00	2.0053	20.4537	22.4590	73.8352	-4.3558	2.00531
-5.80	2.0016	20.3520	22.3536	72.8108	-4.1564	2.00162
-5.60	1.9982	20.2627	22.2610	71.8006	-3.9573	1.99823
-5.40	1.9948	20.1787	22.1736	70.7971	-3.7581	1.99485
-5.20	1.9911	20.0916	22.0826	69.7921	-3.5589	1.99108
-5.00	1.9864	19.9907	21.9771	68.7754	-3.3599	1.98639
-4.80	1.9801	19.8619	21.8419	67.7332	-3.1613	1.98008

T = 5000						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.9712	19.6861	21.5573	66.6475	-2.9633	1.97117
-4.40	1.9593	19.4394	21.3967	65.4948	-2.7661	1.95832
-4.20	1.9399	19.0879	21.0279	64.2465	-2.5702	1.93995
-4.00	1.9143	18.6020	20.5163	62.8727	-2.3760	1.91430
-3.80	1.8799	17.9533	19.8332	61.3500	-2.1838	1.87994
-3.60	1.8363	17.1312	18.9675	59.6719	-1.9940	1.83631
-3.40	1.7842	16.1505	17.9347	57.8573	-1.8065	1.78420
-3.20	1.7258	15.0525	16.7783	55.9509	-1.6210	1.72580
-3.00	1.6642	13.8954	15.5596	54.0132	-1.4368	1.66421
-2.80	1.6027	12.7406	14.3433	52.1062	-1.2531	1.60268
-2.60	1.5440	11.6399	13.1839	50.2812	-1.0693	1.54398
-2.40	1.4900	10.6299	12.1199	48.5727	-0.8848	1.49002
-2.20	1.4419	9.7304	11.1723	46.9984	-0.6991	1.44186
-2.00	1.3998	9.9482	10.3487	45.5620	-0.5119	1.39983
-1.80	1.3638	8.2800	9.6437	44.2577	-0.3233	1.36373
-1.60	1.3331	7.7168	9.0499	43.0737	-0.1331	1.33307
-1.40	1.3072	7.2465	8.5537	41.9957	0.0583	1.30715
-1.20	1.2853	6.8559	8.1412	41.0083	0.2510	1.28522
-1.00	1.2667	6.5319	7.7986	40.0967	0.4447	1.26653
-0.80	1.2506	6.2621	7.5127	39.2474	0.6391	1.25035
-0.60	1.2364	6.0353	7.2717	38.4480	0.8342	1.23598
-0.40	1.2235	5.8414	7.0649	37.6878	1.0296	1.22280
-0.20	1.2112	5.6714	6.8827	36.9572	1.2252	1.21020
0.0	1.1993	5.5175	6.7168	36.2482	1.4207	1.19767
0.20	1.1874	5.3825	6.5699	35.5637	1.6163	1.18478
0.40	1.1753	5.2506	6.4258	34.8877	1.8119	1.17121
0.60	1.1632	5.1176	6.2808	34.2162	2.0074	1.15683
0.80	1.1516	4.9818	6.1335	33.5475	2.2030	1.14169
1.00	1.1416	4.8436	5.9853	32.8814	2.3993	1.12605
1.20	1.1349	4.7057	5.8405	32.2194	2.5966	1.11030
1.40	1.1334	4.5718	5.7053	31.5636	2.7961	1.09487
1.60	1.1412	4.4460	5.5872	30.9145	2.9991	1.08015
1.80	1.1637	4.3304	5.4941	30.2687	3.2076	1.06639
2.00	1.2108	4.2313	5.4421	29.6244	3.4249	1.05372
2.20	1.2997	4.1429	5.4426	28.9589	3.6556	1.04202
2.40	1.4191	4.1149	5.5341	28.3084	3.8938	1.03100
2.60	1.7368	4.1620	5.8989	27.6390	4.1815	1.02100
2.80	2.3647	4.2417	6.6065	26.7891	4.5155	1.01360
3.00	3.5907	4.4543	8.0449	25.6649	4.8969	1.01000

T = 6100						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.0515	21.4987	23.5502	79.8840	-5.3387	2.05149
-6.80	2.0391	21.1455	23.1847	79.5891	-5.1414	2.03916
-6.60	2.0293	20.8627	22.8920	77.3696	-4.9435	2.02927
-6.40	2.0213	20.6360	22.6574	76.2103	-4.7452	2.02133
-6.20	2.0149	20.4538	22.4687	75.0987	-4.5466	2.01491
-6.00	2.0097	20.3061	22.3158	74.0244	-4.3477	2.00967
-5.80	2.0053	20.1847	22.1900	72.9785	-4.1486	2.00528
-5.60	2.0015	20.0821	22.0835	71.9533	-3.9495	2.00147
-5.40	1.9979	19.9910	21.9889	70.9413	-3.7502	1.99792
-5.20	1.9943	19.9036	21.8979	69.9347	-3.5510	1.99429
-5.00	1.9901	19.8110	21.8011	68.9246	-3.3519	1.99016
-4.80	1.9849	19.7014	21.6863	67.8997	-3.1531	1.98493

T= 6100

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	1.9778	19.5594	21.5372	66.8452	-2.9546	1.97780
-4.40	1.9677	19.3643	21.3320	65.7414	-2.7569	1.96768
-4.20	1.9531	19.0892	21.0423	64.5633	-2.5601	1.95315
-4.00	1.9325	18.7026	20.6351	63.2818	-2.3647	1.93251
-3.80	1.9041	18.1729	20.0770	61.8684	-2.1711	1.90408
-3.60	1.8666	17.4775	19.3441	60.3044	-1.9798	1.86663
-3.40	1.8200	16.6134	18.4334	58.5911	-1.7907	1.82001
-3.20	1.7655	15.6041	17.3696	56.7567	-1.6039	1.76549
-3.00	1.7056	14.4970	16.2027	54.8496	-1.4189	1.70564
-2.80	1.6437	13.3522	14.9959	52.9336	-1.2357	1.64368
-2.60	1.5828	12.2279	13.8107	51.0665	-1.0514	1.58278
-2.40	1.5254	11.1706	12.6961	49.2937	-0.8674	1.52542
-2.20	1.4732	10.2106	11.6439	47.6435	-0.6825	1.47324
-2.00	1.4270	9.3529	10.7899	46.1282	-0.4964	1.42703
-1.80	1.3869	8.5302	10.0171	44.7478	-0.3088	1.38691
-1.60	1.3526	8.0071	9.3598	43.4942	-0.1196	1.35257
-1.40	1.3235	7.4836	8.8071	42.3547	0.0709	1.32341
-1.20	1.2988	7.0471	8.3459	41.3145	0.2627	1.29873
-1.00	1.2779	6.6843	7.9623	40.3587	0.4557	1.27775
-0.80	1.2600	6.3827	7.6427	39.4727	0.6495	1.25970
-0.60	1.2443	6.1303	7.3746	38.6438	0.8441	1.24387
-0.40	1.2302	5.9162	7.1465	37.8600	1.0392	1.22958
-0.20	1.2172	5.7310	6.9482	37.1113	1.2346	1.21619
0.0	1.2048	5.5660	6.7708	36.3886	1.4301	1.20314
0.20	1.1925	5.4141	6.6067	35.6847	1.6257	1.18995
0.40	1.1803	5.2694	6.4497	34.9936	1.8212	1.17626
0.60	1.1682	5.1276	6.2958	34.3111	2.0167	1.16184
0.80	1.1566	4.9865	6.1433	33.6349	2.2124	1.14670
1.00	1.1465	4.8462	5.9928	32.9642	2.4085	1.13101
1.20	1.1393	4.7080	5.8473	32.2998	2.6058	1.11512
1.40	1.1373	4.5743	5.7115	31.6422	2.8050	1.09943
1.60	1.1434	4.4483	5.5917	30.9914	3.0074	1.08434
1.80	1.1625	4.3323	5.4948	30.3451	3.2146	1.07014
2.00	1.2014	4.2284	5.4298	29.6978	3.4289	1.05695
2.20	1.2704	4.1379	5.4084	29.0396	3.6531	1.04475

T= 6200

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.0669	21.6550	23.7219	80.3910	-5.3284	2.06695
-6.80	2.0515	21.2202	23.2717	79.0091	-5.1317	2.05155
-6.60	2.0392	20.8718	22.9110	77.7178	-4.9343	2.03919
-6.40	2.0293	20.5927	22.6220	76.5020	-4.7364	2.02928
-6.20	2.0213	20.3689	22.3902	75.3456	-4.5381	2.02131
-6.00	2.0148	20.1886	22.2035	74.2360	-4.3395	2.01486
-5.80	2.0096	20.0422	22.0518	73.1630	-4.1406	2.00956
-5.60	2.0051	19.9212	21.9263	72.1176	-3.9416	2.00510
-5.40	2.0012	19.8179	21.8191	71.0919	-3.7425	2.00117
-5.20	1.9974	19.7249	21.7223	70.0781	-3.5433	1.99744
-5.00	1.9935	19.6337	21.6272	69.0680	-3.3441	1.99353
-4.80	1.9890	19.5346	21.5235	68.0518	-3.1451	1.98895
-4.60	1.9831	19.4147	21.3977	67.0173	-2.9464	1.98307
-4.40	1.9749	19.2569	21.2319	65.9480	-2.7482	1.97495
-4.20	1.9634	19.0385	21.0020	64.8228	-2.5507	1.96343
-4.00	1.9469	18.7315	20.6784	63.6151	-2.3544	1.94687

T= 6200

LOG RHO	Z	E/RT	4/RT	S/R	LOG P	Z*
-3.90	1.9236	18.3036	20.2272	62.2957	-2.1596	1.92363
-3.60	1.8921	17.7257	19.6177	60.8388	-1.9668	1.89209
-3.40	1.8513	16.9810	18.8323	59.2319	-1.7763	1.85133
-3.20	1.8017	16.0755	17.8771	57.4849	-1.5881	1.80167
-3.00	1.7449	15.0413	16.7862	55.6339	-1.4020	1.74490
-2.80	1.6839	13.9310	15.6149	53.7341	-1.2174	1.68389
-2.60	1.6219	12.8046	14.4265	51.8465	-1.0337	1.62193
-2.40	1.5620	11.7161	13.2781	50.0251	-0.8501	1.56198
-2.20	1.5063	10.7059	12.2122	48.3086	-0.6658	1.50625
-2.00	1.4561	9.7982	11.2543	46.7191	-0.4806	1.45605
-1.80	1.4119	9.0031	10.4150	45.2638	-0.2939	1.41190
-1.60	1.3738	8.3200	9.6938	43.9395	-0.1059	1.37377
-1.40	1.3413	7.7416	9.0829	42.7362	0.0838	1.34120
-1.20	1.3137	7.2568	8.5705	41.6403	0.2747	1.31355
-1.00	1.2912	6.8529	8.1431	40.6369	0.4669	1.29006
-0.80	1.2702	6.5168	7.7871	39.7114	0.6601	1.26996
-0.60	1.2529	6.2363	7.4892	38.8500	0.8542	1.25248
-0.40	1.2376	5.9999	7.2375	38.0403	1.0488	1.23691
-0.20	1.2236	5.7974	7.0210	37.2710	1.2439	1.22258
0.0	1.2115	5.6195	6.8301	36.5329	1.4392	1.20887
0.20	1.1979	5.4585	6.6565	35.8173	1.6346	1.19527
0.40	1.1854	5.3081	6.4935	35.1180	1.8301	1.18135
0.60	1.1732	5.1629	6.3361	34.4293	2.0256	1.16684
0.80	1.1616	5.0203	6.1819	33.7495	2.2213	1.15165
1.00	1.1514	4.8791	6.0305	33.0758	2.4175	1.13590
1.20	1.1442	4.7401	5.8843	32.4084	2.6147	1.11987
1.40	1.1419	4.6056	5.7475	31.7477	2.8139	1.10395
1.60	1.1477	4.4781	5.6258	31.0934	3.0161	1.08852
1.80	1.1664	4.3601	5.5265	30.4431	3.2231	1.07389
2.00	1.2049	4.2538	5.4586	29.7917	3.4372	1.06024
2.20	1.2734	4.1606	5.4341	29.1294	3.6612	1.04751

T= 6300

LOG RHO	Z	E/RT	4/RT	S/R	LOG P	Z*
-7.00	2.0856	21.3962	23.9818	80.9805	-5.3176	2.08559
-6.80	2.0665	21.3652	23.4317	79.4936	-5.1216	2.06650
-6.60	2.0512	20.9392	22.9904	78.1196	-4.9248	2.05118
-6.40	2.0389	20.5978	22.6367	76.8366	-4.7274	2.03889
-6.20	2.0290	20.3242	22.3532	75.6264	-4.5295	2.02902
-6.00	2.0211	20.1046	22.1256	74.4743	-4.3312	2.02107
-5.80	2.0146	19.9274	21.9420	73.3679	-4.1326	2.01461
-5.60	2.0093	19.7829	21.7922	72.2969	-3.9338	2.00929
-5.40	2.0048	19.6627	21.6675	71.2525	-3.7347	2.00475
-5.20	2.0007	19.5590	21.5597	70.2265	-3.5356	2.00071
-5.00	1.9968	19.4637	21.4605	69.2108	-3.3365	1.99677
-4.80	1.9925	19.3881	21.3606	68.1966	-3.1374	1.99253
-4.60	1.9874	19.2612	21.2486	67.1732	-2.9385	1.98743
-4.40	1.9807	19.1288	21.1095	66.1270	-2.7400	1.98074
-4.20	1.9714	18.9521	20.9235	65.0402	-2.5420	1.97142
-4.00	1.9581	18.7064	20.6646	63.8895	-2.3450	1.95815
-3.80	1.9393	18.3621	20.3714	62.6476	-2.1492	1.93928
-3.60	1.9131	17.8877	19.8008	61.2859	-1.9551	1.91308
-3.40	1.8781	17.2576	19.1357	59.7824	-1.7631	1.87812
-3.20	1.8339	16.4626	18.2965	58.1324	-1.5734	1.83390



T= 6300

LOG RHO	Z	E/RT	-1/RT	S/R	LJG P	Z*
-3.00	1.7813	15.5182	17.2995	56.3553	-1.3861	1.78128
-2.80	1.7225	14.4647	16.1872	54.4948	-1.2006	1.72252
-2.60	1.6607	13.3581	15.0189	52.6092	-1.0165	1.66074
-2.40	1.5992	12.2567	13.8559	50.7573	-0.8329	1.59917
-2.20	1.5405	11.2093	12.7498	48.9871	-0.6491	1.54052
-2.00	1.4857	10.2496	11.7363	47.3307	-0.4646	1.48667
-1.80	1.4386	9.3959	10.8346	45.8036	-0.2788	1.43962
-1.60	1.3967	8.5538	10.0505	44.4090	-0.0917	1.39665
-1.40	1.3606	7.7199	9.3805	43.1403	0.0969	1.36053
-1.20	1.3298	7.4851	8.8150	41.9863	0.2870	1.32974
-1.00	1.3037	7.0377	8.3415	40.9327	0.4784	1.30355
-0.80	1.2815	6.6649	7.9464	39.9648	0.6709	1.28119
-0.60	1.2623	6.3540	7.6164	39.0683	0.8644	1.26188
-0.40	1.2455	6.0931	7.3387	38.2370	1.0585	1.24486
-0.20	1.2305	5.8713	7.1018	37.4381	1.2533	1.22943
0.0	1.2166	5.6789	6.8955	36.6823	1.4483	1.21494
0.20	1.2034	5.5073	6.7109	35.9535	1.6436	1.20080
0.40	1.1906	5.3495	6.5472	35.2445	1.8390	1.18656
0.60	1.1783	5.1999	6.3781	34.5494	2.0344	1.17189
0.80	1.1666	5.0546	6.2212	33.8643	2.2301	1.15660
1.00	1.1554	4.9119	6.0683	33.1868	2.4263	1.14077
1.20	1.1489	4.7720	5.9209	32.5162	2.6235	1.12461
1.40	1.1445	4.6363	5.7828	31.8523	2.8226	1.10846
1.60	1.1521	4.5073	5.6594	31.1944	3.0247	1.09271
1.80	1.1704	4.3874	5.5578	30.5404	3.2315	1.07769
2.00	1.2084	4.2787	5.4871	29.8849	3.4454	1.06356
2.20	1.2765	4.1830	5.4595	29.2184	3.6692	1.05033

T= 5400

LOG RHO	Z	E/RT	-1/RT	S/R	LJG P	Z*
-7.00	2.1079	22.2314	24.3392	81.6630	-5.3061	2.10788
-6.80	2.0844	21.5882	23.6726	80.0548	-5.1110	2.08442
-6.60	2.0655	21.0713	23.1368	78.5824	-4.9149	2.06555
-6.40	2.0504	20.6565	22.7069	77.2201	-4.7181	2.05040
-6.20	2.0382	20.3241	22.3623	75.9463	-4.5207	2.03825
-6.00	2.0295	20.0575	22.0860	74.7434	-4.3228	2.02949
-5.80	2.0206	19.8432	21.8638	73.5969	-4.1245	2.02060
-5.60	2.0142	19.6700	21.6841	72.4946	-3.9259	2.01418
-5.40	2.0088	19.5281	21.5369	71.4264	-3.7270	2.00885
-5.20	2.0042	19.4090	21.4133	70.3834	-3.5280	2.00426
-5.00	2.0001	19.3048	21.3048	69.3571	-3.3289	2.00005
-4.80	1.9959	19.2069	21.2027	68.3391	-3.1298	1.99539
-4.60	1.9912	19.1057	21.0969	67.3198	-2.9308	1.99123
-4.40	1.9855	18.9892	20.9747	66.2876	-2.7321	1.98549
-4.20	1.9778	18.8416	20.8194	65.2273	-2.5338	1.97781
-4.00	1.9670	18.6420	20.6091	64.1193	-2.3361	1.96704
-3.80	1.9517	18.3639	20.3156	62.9387	-2.1395	1.95172
-3.60	1.9301	17.9767	19.9068	61.6573	-1.9444	1.93011
-3.40	1.9005	17.4503	19.3509	60.2486	-1.7511	1.90055
-3.20	1.8619	16.7648	18.6267	58.6964	-1.5600	1.86190
-3.00	1.8142	15.9199	17.7340	57.0047	-1.3713	1.81416
-2.80	1.7597	14.9408	16.6995	55.2028	-1.1848	1.75875
-2.60	1.6984	13.8750	15.5734	53.3408	-0.9999	1.69836
-2.40	1.6363	12.7800	14.4163	51.4781	-0.8161	1.63625

T= 6400

LOG RHO	Z	F/R	H/R	S/R	LOG P	Z*
-2.20	1.5755	11.7106	13.2861	49.6692	-0.6325	1.57550
-2.00	1.5185	10.7093	12.2278	47.9557	-0.4485	1.51850
-1.80	1.4669	9.8031	11.2700	46.3624	-0.2636	1.46678
-1.60	1.4211	9.0048	10.4259	44.8994	-0.0773	1.42103
-1.40	1.3814	8.3158	9.6972	43.5653	0.1103	1.38130
-1.20	1.3473	7.7302	9.0776	42.3517	0.2995	1.34722
-1.00	1.3183	7.2378	8.5562	41.2456	0.4901	1.31816
-0.80	1.2936	6.8263	8.1200	40.2329	0.6818	1.29337
-0.60	1.2725	6.4830	7.7555	39.2988	0.8747	1.27206
-0.40	1.2541	6.1956	7.4497	38.4297	1.0684	1.25343
-0.20	1.2378	5.9526	7.1905	37.6131	1.2627	1.23675
0.0	1.2230	5.7439	6.9669	36.8377	1.4575	1.22133
0.20	1.2092	5.5601	6.7693	36.0940	1.6525	1.20655
0.40	1.1960	5.3937	6.5897	35.3733	1.8478	1.19189
0.60	1.1833	5.2384	6.4217	34.6706	2.0431	1.17696
0.80	1.1715	5.0896	6.2611	33.9796	2.2388	1.16153
1.00	1.1612	4.9448	6.1060	33.2978	2.4349	1.14559
1.20	1.1537	4.8035	5.9572	32.6236	2.6321	1.12929
1.40	1.1510	4.6666	5.8176	31.9562	2.8311	1.11293
1.60	1.1564	4.5361	5.6924	31.2948	3.0331	1.09689
1.80	1.1743	4.4143	5.5886	30.6370	3.2398	1.08147
2.00	1.2119	4.3033	5.5153	29.9775	3.4535	1.06690
2.20	1.2796	4.2051	5.4846	29.3070	3.6771	1.05318

T= 6500

LOG RHO	Z	F/R	H/R	S/R	LOG P	Z*
-7.00	2.1343	22.6700	24.8043	82.4495	-5.2940	2.13431
-6.80	2.1057	21.8975	24.0032	80.7010	-5.0998	2.10572
-6.60	2.0827	21.2750	23.3576	79.1143	-4.9046	2.08267
-6.40	2.0641	20.7747	22.8388	77.6593	-4.7085	2.06414
-6.20	2.0492	20.3732	22.4225	76.3109	-4.5116	2.04926
-6.00	2.0373	20.0514	22.0887	75.0482	-4.3142	2.03732
-5.80	2.0277	19.7931	21.8208	73.8540	-4.1162	2.02771
-5.60	2.0199	19.5852	21.6052	72.7141	-3.9179	2.01994
-5.40	2.0136	19.4166	21.4301	71.6168	-3.7193	2.01357
-5.20	2.0082	19.2777	21.2859	70.5519	-3.5204	2.00824
-5.00	2.0036	19.1599	21.1635	69.5103	-3.3214	2.00358
-4.80	1.9992	19.0548	21.0541	68.4836	-3.1224	1.99922
-4.60	1.9947	18.9536	20.9483	67.4628	-2.9233	1.99474
-4.40	1.9896	18.8456	20.8352	66.4373	-2.7245	1.98959
-4.20	1.9831	18.7174	20.7005	65.3943	-2.5259	1.98306
-4.00	1.9742	18.5515	20.5256	64.3170	-2.3278	1.97419
-3.80	1.9617	18.3247	20.2864	63.1838	-2.1306	1.96168
-3.60	1.9439	18.0089	19.9528	61.9685	-1.9345	1.94393
-3.40	1.9192	17.5733	19.4925	60.6431	-1.7401	1.91921
-3.20	1.8860	16.9910	18.8769	59.1843	-1.5477	1.88596
-3.00	1.8435	16.2490	18.0925	57.5833	-1.3576	1.84347
-2.80	1.7923	15.3573	17.1496	55.8541	-1.1698	1.79230
-2.60	1.7344	14.3505	16.0850	54.0351	-0.9841	1.73443
-2.40	1.6729	13.2811	14.9540	52.1811	-0.7998	1.67289
-2.20	1.6109	12.2060	13.8170	50.3500	-0.6161	1.61094
-2.00	1.5514	11.1751	12.7266	48.5910	-0.4325	1.55143
-1.80	1.4964	10.2240	11.7205	46.9384	-0.2482	1.49639
-1.60	1.4470	9.3733	10.8204	45.4102	-0.0627	1.44699

T = 6500

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-1.40	1.4037	9.6305	10.0342	44.7112	0.1240	1.40362
-1.20	1.3663	7.9936	9.3599	42.7368	0.3123	1.36614
-1.00	1.3342	7.4547	8.7889	41.5762	0.5020	1.33405
-0.80	1.3069	7.0725	8.3094	40.5161	0.6930	1.30664
-0.60	1.2836	6.6247	7.9182	39.5419	0.8852	1.28313
-0.40	1.2634	6.3086	7.5720	38.6395	1.0783	1.26272
-0.20	1.2457	6.0426	7.2881	37.7958	1.2722	1.24464
0.0	1.2298	5.8155	7.0454	36.9989	1.4666	1.22814
0.20	1.2152	5.6181	6.8333	36.2385	1.6614	1.21259
0.40	1.2015	5.4416	6.6431	35.5056	1.8565	1.19740
0.60	1.1895	5.2793	6.4678	34.7930	2.0518	1.18213
0.80	1.1765	5.1260	6.3025	34.0951	2.2474	1.16649
1.00	1.1641	4.9784	6.1444	33.4082	2.4435	1.15040
1.20	1.1544	4.8352	5.9936	32.7299	2.6406	1.13395
1.40	1.1556	4.5967	5.8523	32.0589	2.8396	1.11739
1.60	1.1606	4.5547	5.7253	31.3939	3.0415	1.10105
1.80	1.1783	4.4410	5.6193	30.7323	3.2480	1.08527
2.00	1.2155	4.3279	5.5434	30.0689	3.4615	1.07026
2.20	1.2927	4.2272	5.5099	29.3944	3.6849	1.05607

T = 6600

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.1654	23.2207	25.3861	83.3504	-5.2811	2.16539
-6.80	2.1308	22.3007	24.4315	81.4415	-5.0880	2.13084
-6.60	2.1029	21.5570	23.6599	79.7232	-4.8938	2.10292
-6.40	2.0804	20.9579	23.0383	78.1610	-4.6985	2.08041
-6.20	2.0623	20.4765	22.5388	76.7250	-4.5022	2.06232
-6.00	2.0478	20.0902	22.1380	75.3933	-4.3053	2.04779
-5.80	2.0361	19.7803	21.8164	74.1432	-4.1078	2.03611
-5.60	2.0267	19.5314	21.5581	72.9589	-3.9098	2.02671
-5.40	2.0191	19.3307	21.3497	71.8267	-3.7114	2.01908
-5.20	2.0128	19.1672	21.1800	70.7348	-3.5128	2.01279
-5.00	2.0074	19.0315	21.0389	69.6735	-3.3140	2.00746
-4.80	2.0027	18.9149	20.9176	68.6335	-3.1150	2.00272
-4.60	1.9991	18.8085	20.8067	67.6060	-2.9160	1.99815
-4.40	1.9933	18.7029	20.6962	66.5813	-2.7170	1.99330
-4.20	1.9875	18.5863	20.5739	65.5480	-2.5183	1.98753
-4.00	1.9800	18.4437	20.4238	64.4917	-2.3199	1.98003
-3.80	1.9697	18.2554	20.2251	63.3939	-2.1222	1.96970
-3.60	1.9551	17.9964	19.9515	62.2309	-1.9254	1.95509
-3.40	1.9345	17.6370	19.5715	60.9757	-1.7300	1.93453
-3.20	1.9063	17.1475	19.0538	59.5015	-1.5364	1.90627
-3.00	1.8691	16.5059	18.3750	57.9303	-1.3450	1.86905
-2.80	1.8227	15.7082	17.5309	56.4422	-1.1559	1.82266
-2.60	1.7693	14.7748	16.5431	54.6818	-0.9690	1.76927
-2.40	1.7084	13.7488	15.4572	52.8551	-0.7840	1.70839
-2.20	1.6462	12.5852	14.3315	51.0191	-0.6001	1.64623
-2.00	1.5850	11.6384	13.2234	49.2784	-0.4166	1.58496
-1.80	1.5271	10.6520	12.1791	47.5256	-0.2327	1.52709
-1.60	1.4743	9.7547	11.2290	45.9374	-0.0480	1.47428
-1.40	1.4274	8.9508	10.3892	44.4756	0.1379	1.42735
-1.20	1.3865	8.2731	9.6597	43.1403	0.3253	1.38642
-1.00	1.3513	7.5870	9.0383	41.9240	0.5142	1.35117
-0.80	1.3213	7.1927	8.5140	40.8145	0.7044	1.32099

T= 6600

LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-0.60	1.2956	6.7786	8.2742	39.7980	0.8959	1.29513
-0.40	1.2735	6.4321	7.7056	38.8601	1.0884	1.27277
-0.20	1.2542	6.1411	7.3953	37.9872	1.2818	1.25313
0.0	1.2371	5.8943	7.1314	37.1668	1.4758	1.23542
0.20	1.2216	5.6814	6.9030	36.3878	1.6703	1.21897
0.40	1.2072	5.4934	6.7007	35.6407	1.8652	1.20314
0.60	1.1939	5.3229	6.5168	34.9173	2.0604	1.18744
0.80	1.1816	5.1640	6.3456	34.2115	2.2559	1.17153
1.00	1.1709	5.0128	6.1837	33.5187	2.4519	1.15524
1.20	1.1631	4.8671	6.0302	32.8357	2.6490	1.13861
1.40	1.1601	4.7268	5.8869	32.1607	2.8479	1.12184
1.60	1.1649	4.5929	5.7579	31.4919	3.0497	1.10523
1.80	1.1823	4.4673	5.6496	30.8264	3.2561	1.08909
2.00	1.2191	4.3520	5.5711	30.1591	3.4694	1.07366
2.20	1.2858	4.2488	5.5347	29.4895	3.6926	1.05899

T= 6700

LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-7.00	2.2016	23.8920	26.0936	84.3758	-5.2673	2.20161
-6.80	2.1672	22.8058	24.9660	82.2856	-5.0756	2.16024
-6.60	2.1266	21.9244	24.0511	80.4174	-4.8824	2.12667
-6.40	2.0995	21.2123	23.3118	78.7324	-4.6879	2.09955
-6.20	2.0777	20.6389	22.7165	77.1973	-4.4925	2.07770
-6.00	2.0601	20.1781	22.2382	75.7839	-4.2962	2.06013
-5.80	2.0460	19.8083	21.8543	74.4688	-4.0992	2.04602
-5.60	2.0346	19.5116	21.5462	73.2326	-3.9016	2.03467
-5.40	2.0255	19.2729	21.2984	72.0591	-3.7035	2.02550
-5.20	2.0180	19.0798	21.0979	70.9351	-3.5051	2.01803
-5.00	2.0118	18.9218	20.9336	69.8492	-3.3065	2.01183
-4.80	2.0065	18.7893	20.7958	68.7914	-3.1076	2.00650
-4.60	2.0016	18.6735	20.6751	67.7527	-2.9087	2.00165
-4.40	1.9968	18.5651	20.5619	66.7237	-2.7097	1.99682
-4.20	1.9915	18.4536	20.4451	65.6938	-2.5109	1.99149
-4.00	1.9849	18.3261	20.3110	64.6506	-2.3123	1.98494
-3.80	1.9762	18.1555	20.1417	63.5778	-2.1142	1.97624
-3.60	1.9641	17.9501	19.9142	62.4550	-1.9169	1.96411
-3.40	1.9470	17.6527	19.5997	61.2568	-1.7207	1.94701
-3.20	1.9231	17.2433	19.1665	59.9560	-1.5261	1.92315
-3.00	1.8910	16.6947	18.5857	58.5288	-1.3334	1.89096
-2.80	1.8496	15.9919	17.8414	56.9643	-1.1430	1.84956
-2.60	1.7993	15.1412	16.9405	55.2731	-0.9550	1.79932
-2.40	1.7421	14.1734	15.9155	53.4896	-0.7690	1.74207
-2.20	1.6807	13.1379	14.8186	51.6659	-0.5846	1.68071
-2.00	1.6185	12.0901	13.7086	49.8584	-0.4009	1.61853
-1.80	1.5585	11.0796	12.6381	48.1155	-0.2174	1.55845
-1.60	1.5027	10.1432	11.6458	46.4754	-0.0332	1.50260
-1.40	1.4523	9.3024	10.7547	44.9544	0.1520	1.45227
-1.20	1.4080	8.5659	9.9739	43.5595	0.3385	1.40791
-1.00	1.3696	7.9327	9.3023	42.2870	0.5265	1.36944
-0.80	1.3367	7.3956	8.7322	41.1269	0.7159	1.33637
-0.60	1.3094	6.9438	8.2523	40.0663	0.9067	1.30801
-0.40	1.2842	6.5654	7.8496	39.0909	1.0986	1.28356
-0.20	1.2633	6.2479	7.5112	38.1869	1.2914	1.26221
0.0	1.2448	5.9796	7.2245	37.3412	1.4850	1.24316

T = 6700						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
0.20	1.2283	5.7499	5.9782	36.5421	1.6792	1.22558
0.40	1.2132	5.5491	6.7624	35.7792	1.8739	1.20911
0.60	1.1993	5.3693	6.5685	35.0439	2.0689	1.19289
0.80	1.1857	5.2038	6.3905	34.3791	2.2643	1.17663
1.00	1.1758	5.0481	6.2240	33.6295	2.4603	1.16010
1.20	1.1678	4.8794	6.0673	32.9413	2.6573	1.14325
1.40	1.1646	4.7569	5.9215	32.2619	2.8561	1.12627
1.60	1.1692	4.6210	5.7903	31.5891	3.0578	1.10938
1.80	1.1863	4.4934	5.6797	30.9198	3.2641	1.09290
2.00	1.2227	4.3759	5.5986	30.2485	3.4772	1.07706
2.20	1.2890	4.2704	5.5594	29.5660	3.7002	1.06193

T = 6800						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.2434	24.6910	26.9344	85.5344	-5.2527	2.24345
-6.80	2.1943	23.4199	25.6142	83.2420	-5.0623	2.19436
-6.60	2.1543	22.3839	24.5382	81.2050	-4.8703	2.15435
-6.40	2.1219	21.5439	23.6657	79.3806	-4.6769	2.12190
-6.20	2.0957	20.8655	22.9612	77.7314	-4.4823	2.09569
-6.00	2.0746	20.3195	22.3940	76.2253	-4.2867	2.07459
-5.80	2.0576	19.8807	21.9383	74.8352	-4.0903	2.05762
-5.60	2.0440	19.5286	21.5726	73.5388	-3.8932	2.04398
-5.40	2.0330	19.2458	21.2787	72.3173	-3.6955	2.03300
-5.20	2.0241	19.0179	21.0420	71.1553	-3.4974	2.02411
-5.00	2.0168	18.8329	20.8497	70.0400	-3.2990	2.01683
-4.80	2.0107	18.6804	20.6911	68.9601	-3.1003	2.01071
-4.60	2.0053	18.5510	20.5563	67.9060	-2.9014	2.00536
-4.40	2.0003	18.4354	20.4357	66.8681	-2.7025	2.00035
-4.20	1.9952	18.3238	20.3190	65.8364	-2.5037	1.99519
-4.00	1.9892	18.2046	20.1938	64.7997	-2.3049	1.98925
-3.80	1.9817	18.0632	20.0449	63.7440	-2.1066	1.98173
-3.60	1.9715	17.9007	19.8522	62.6510	-1.9088	1.97153
-3.40	1.9572	17.6328	19.5901	61.4983	-1.7120	1.95726
-3.20	1.9372	17.2910	19.2282	60.2596	-1.5165	1.93721
-3.00	1.9096	16.8259	18.7355	58.9084	-1.3227	1.90964
-2.80	1.8732	16.2148	18.0880	57.4259	-1.1310	1.87322
-2.60	1.8276	15.4517	17.2793	55.8104	-0.9418	1.82757
-2.40	1.7738	14.5540	16.3278	54.0832	-0.7547	1.77376
-2.20	1.7142	13.5617	15.2759	52.2876	-0.5696	1.71417
-2.00	1.6520	12.5277	14.1797	50.4786	-0.3856	1.65198
-1.80	1.5904	11.5054	13.0958	48.7099	-0.2021	1.59037
-1.60	1.5320	10.5384	12.0704	47.0241	-0.0184	1.53195
-1.40	1.4785	9.6559	11.1344	45.4486	0.1662	1.47844
-1.20	1.4308	8.8729	10.3038	43.9961	0.3519	1.43072
-1.00	1.3892	8.1933	9.5824	42.6673	0.5391	1.38897
-0.80	1.3532	7.6126	8.9658	41.4555	0.7277	1.35290
-0.60	1.3223	7.1220	8.4443	40.3489	0.9177	1.32189
-0.40	1.2959	6.7099	8.0057	39.3341	1.1089	1.29519
-0.20	1.2731	6.3641	7.6372	38.3970	1.3012	1.27199
0.0	1.2531	6.0727	7.3259	37.5241	1.4944	1.25144
0.20	1.2355	5.8246	7.0600	36.7030	1.6882	1.23281
0.40	1.2195	5.6096	6.8291	35.9228	1.8825	1.21537
0.60	1.2050	5.4191	6.6241	35.1741	2.0773	1.19854
0.80	1.1919	5.2460	6.4380	34.4491	2.2726	1.18184

T= 6800						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
1.00	1.1808	5.7950	6.2658	33.7418	2.4685	1.16501
1.20	1.1726	4.9326	6.1051	33.0477	2.6655	1.14793
1.40	1.1691	4.7873	5.9565	32.3635	2.8642	1.13070
1.60	1.1735	4.5493	5.8228	31.6864	3.0658	1.11354
1.80	1.1902	4.5195	5.7098	31.0130	3.2720	1.09672
2.00	1.2263	4.3998	5.6261	30.3378	3.4850	1.08048
2.20	1.2922	4.2919	5.5841	29.6513	3.7077	1.06490

T= 6900						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.2913	25.6233	27.9146	85.8339	-5.2372	2.29134
-6.80	2.2336	24.1497	26.3833	84.3188	-5.0483	2.23363
-6.60	2.1863	22.9420	25.1282	82.0937	-4.8576	2.18634
-6.40	2.1478	21.9586	24.1063	80.1127	-4.6653	2.14783
-6.20	2.1166	21.1618	23.2784	78.3344	-4.4717	2.11663
-6.00	2.0914	20.5189	22.6103	76.7227	-4.2769	2.09144
-5.80	2.0711	20.0014	22.0726	75.2470	-4.0811	2.07115
-5.60	2.0548	19.5858	21.6406	73.8814	-3.8845	2.05485
-5.40	2.0417	19.2520	21.2937	72.6045	-3.6873	2.04173
-5.20	2.0311	18.9836	21.0148	71.3984	-3.4896	2.03115
-5.00	2.0225	18.7669	20.7894	70.2484	-3.2914	2.02255
-4.80	2.0154	18.5901	20.6055	69.1410	-3.0929	2.01545
-4.60	2.0094	18.4430	20.4524	68.0680	-2.8942	2.00942
-4.40	2.0040	18.3161	20.3201	67.0170	-2.6954	2.00402
-4.20	1.9988	18.1997	20.1985	65.9790	-2.4965	1.99878
-4.00	1.9931	18.0833	20.0764	64.9433	-2.2978	1.99317
-3.80	1.9864	17.9538	19.9403	63.8975	-2.0992	1.98645
-3.60	1.9777	17.7949	19.7726	62.8257	-1.9011	1.97770
-3.40	1.9657	17.5852	19.5509	61.7079	-1.7038	1.96567
-3.20	1.9488	17.2986	19.2474	60.5197	-1.5075	1.94879
-3.00	1.9253	16.9055	18.8308	59.2343	-1.3128	1.92531
-2.80	1.8936	16.3790	18.2726	57.8281	-1.1200	1.89359
-2.60	1.8527	15.7033	17.5560	56.2894	-0.9295	1.85268
-2.40	1.8029	14.8829	16.6858	54.6270	-0.7413	1.80288
-2.20	1.7459	13.9464	15.6923	52.8730	-0.5553	1.74590
-2.00	1.6846	12.9406	14.6252	51.0773	-0.3708	1.68460
-1.80	1.6223	11.9195	13.5418	49.2448	-0.1872	1.62225
-1.60	1.5519	10.9320	12.4939	47.5743	-0.0036	1.55181
-1.40	1.5056	10.0146	11.5202	45.9507	0.1804	1.50548
-1.20	1.4547	9.1892	10.6439	44.4439	0.3655	1.45457
-1.00	1.4098	8.4548	9.8746	43.0602	0.5518	1.40959
-0.80	1.3707	7.8410	9.2117	41.7964	0.7397	1.37045
-0.60	1.3371	7.3108	8.6480	40.6429	0.9289	1.33670
-0.40	1.3083	6.8640	8.1724	39.5871	1.1194	1.30762
-0.20	1.2835	6.4887	7.7723	38.6152	1.3111	1.28242
0.0	1.2620	6.1729	7.4349	37.7133	1.5037	1.26026
0.20	1.2430	5.9050	7.1480	36.8687	1.6972	1.24035
0.40	1.2261	5.6745	6.9006	36.0698	1.8912	1.22194
0.60	1.2109	5.4723	6.6832	35.3065	2.0858	1.20440
0.80	1.1973	5.2905	6.4879	34.5703	2.2809	1.18720
1.00	1.1858	5.1233	6.3092	33.8545	2.4767	1.17000
1.20	1.1773	4.9666	6.1439	33.1538	2.6736	1.15264
1.40	1.1737	4.8182	5.9919	32.4643	2.8722	1.13515
1.60	1.1778	4.6776	5.8554	31.7826	3.0738	1.11771

T = 6900						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
1.80	1.1942	4.5456	5.7398	31.1050	3.2798	1.10056
2.00	1.2300	4.4236	5.6536	30.4257	3.4926	1.08392
2.20	1.2955	4.3132	5.6088	29.7353	3.7151	1.06790

T = 7000						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.3455	26.4922	29.0378	88.2790	-5.2208	2.34551
-6.80	2.2784	25.0700	27.2784	85.5226	-5.0374	2.27844
-6.60	2.2230	23.6742	25.8272	83.7908	-4.8441	2.22303
-6.40	2.1776	22.4620	24.5396	80.9356	-4.6531	2.17769
-6.20	2.1408	21.5329	23.6737	79.0125	-4.4675	2.14081
-6.00	2.1109	20.7809	22.8918	77.2818	-4.2666	2.11095
-5.80	2.0868	20.1743	22.2611	75.7084	-4.0716	2.08685
-5.60	2.0674	19.6863	21.7537	74.2645	-3.8756	2.06746
-5.40	2.0518	19.2943	21.3461	72.9241	-3.6789	2.05185
-5.20	2.0393	18.9793	21.0186	71.6672	-3.4815	2.03930
-5.00	2.0291	18.7257	20.7548	70.4769	-3.2837	2.02915
-4.80	2.0208	18.5202	20.5410	69.3389	-3.0855	2.02085
-4.60	2.0139	18.3514	20.3654	68.2412	-2.8870	2.01393
-4.40	2.0079	18.2094	20.2173	67.1730	-2.6883	2.00795
-4.20	2.0024	18.0842	20.0866	66.1245	-2.4895	2.00244
-4.00	1.9969	17.9658	19.9627	65.0852	-2.2907	1.99690
-3.80	1.9907	17.8424	19.8331	64.0436	-2.0920	1.99069
-3.60	1.9830	17.6996	19.6826	62.9858	-1.8937	1.98299
-3.40	1.9727	17.5188	19.4915	61.8941	-1.6960	1.97271
-3.20	1.9584	17.2763	19.2349	60.7462	-1.4991	1.95844
-3.00	1.9385	16.9443	18.8929	59.5166	-1.3036	1.93849
-2.80	1.9111	16.4938	18.4749	58.1794	-1.1098	1.91110
-2.60	1.8749	15.9722	17.7771	56.7158	-0.9191	1.87489
-2.40	1.8295	15.1630	16.9924	55.1233	-0.7287	1.82946
-2.20	1.7758	14.2920	16.0678	53.4220	-0.5416	1.77579
-2.00	1.7163	13.3274	15.0437	51.6532	-0.3565	1.71624
-1.80	1.6540	12.3205	13.9745	49.8704	-0.1725	1.65396
-1.60	1.5922	11.3234	12.9156	48.1259	0.0109	1.59215
-1.40	1.5335	10.3787	11.9122	46.4618	0.1946	1.53342
-1.20	1.4796	9.5155	10.9951	44.9050	0.3791	1.47953
-1.00	1.4316	8.7487	10.1802	43.4681	0.5648	1.43137
-0.80	1.3894	8.0822	9.4715	42.1524	0.7518	1.38914
-0.60	1.3530	7.5120	8.8650	40.9510	0.9402	1.35254
-0.40	1.3217	7.0294	8.3510	39.8527	1.1301	1.32095
-0.20	1.2947	6.6231	7.9178	38.8442	1.3211	1.29362
0.0	1.2714	6.2813	7.5527	37.9116	1.5132	1.26970
0.20	1.2511	5.9922	7.2432	37.0418	1.7062	1.24838
0.40	1.2331	5.7448	6.9779	36.2226	1.8999	1.22888
0.60	1.2170	5.5295	6.7466	35.4432	2.0943	1.21052
0.80	1.2029	5.3380	6.5409	34.6946	2.2892	1.19273
1.00	1.1910	5.1638	6.3547	33.9692	2.4848	1.17510
1.20	1.1822	5.0020	6.1841	33.2611	2.6816	1.15741
1.40	1.1782	4.8499	6.0281	32.5658	2.8802	1.13963
1.60	1.1821	4.7064	5.8885	31.8792	3.0816	1.12189
1.80	1.1983	4.5719	5.7701	31.1972	3.2875	1.10441
2.00	1.2337	4.4474	5.5911	30.5137	3.5001	1.08738
2.20	1.2948	4.3347	5.6335	29.8193	3.7225	1.07092

T= 7100

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.4064	27.8972	30.3036	89.8709	-5.2035	2.40648
-6.80	2.3290	25.9736	28.3027	86.8575	-5.0177	2.32909
-6.60	2.2647	24.3749	26.6396	84.2015	-4.8299	2.26477
-6.40	2.2117	23.0588	25.2705	81.8551	-4.6401	2.21182
-6.20	2.1685	21.9833	24.1518	79.7714	-4.4487	2.16855
-6.00	2.1333	21.1096	23.2430	77.9075	-4.2558	2.13339
-5.80	2.1049	20.4030	22.5079	76.2253	-4.0617	2.10495
-5.50	2.0820	19.8334	21.9154	74.5918	-3.8664	2.08202
-5.40	2.0635	19.3753	21.4388	73.2793	-3.6703	2.06356
-5.20	2.0487	19.0072	21.0559	71.9645	-3.4734	2.04871
-5.00	2.0367	18.7112	20.7479	70.7279	-3.2760	2.03673
-4.80	2.0270	18.4723	20.4993	69.5534	-3.0780	2.02700
-4.60	2.0190	18.2779	20.2968	68.4274	-2.8798	2.01901
-4.40	2.0122	18.1168	20.1291	67.3382	-2.6812	2.01225
-4.20	2.0063	17.9790	19.9853	66.2751	-2.4825	2.00628
-4.00	2.0006	17.8545	19.8550	65.2279	-2.2837	2.00059
-3.80	1.9946	17.7322	19.7268	64.1857	-2.0850	1.99462
-3.60	1.9876	17.5991	19.5867	63.1357	-1.8866	1.98762
-3.40	1.9786	17.4390	19.4176	62.0622	-1.6885	1.97866
-3.20	1.9665	17.2308	19.1972	60.9454	-1.4912	1.96647
-3.00	1.9495	16.9487	18.8982	59.7614	-1.2950	1.94948
-2.80	1.9259	16.5639	18.4899	58.4841	-1.1002	1.92592
-2.60	1.8941	16.0500	17.9442	57.0902	-0.9075	1.89414
-2.40	1.8532	15.3913	17.2445	55.5683	-0.7170	1.85320
-2.20	1.8033	14.5919	16.3952	53.9266	-0.5288	1.80334
-2.00	1.7463	13.6793	15.4256	52.1965	-0.3428	1.74629
-1.80	1.6849	12.6991	14.3840	50.4261	-0.1583	1.68489
-1.60	1.6224	11.7037	13.3261	48.6692	0.0253	1.62240
-1.40	1.5619	10.7407	12.3026	46.9732	0.2088	1.56179
-1.20	1.5054	9.8457	11.3511	45.3722	0.3927	1.50524
-1.00	1.4543	9.0401	10.4943	43.8453	0.5777	1.45406
-0.80	1.4091	8.3326	9.7417	42.5188	0.7640	1.40877
-0.60	1.3697	7.7228	9.0925	41.2693	0.9517	1.36928
-0.40	1.3358	7.2039	8.5397	40.1277	1.1409	1.33510
-0.20	1.3066	6.7658	8.0724	39.0813	1.3313	1.30552
0.0	1.2815	6.3969	7.6783	38.1166	1.5228	1.27973
0.20	1.2596	6.0853	7.3449	37.2201	1.7153	1.25689
0.40	1.2404	5.8200	7.0604	36.3792	1.9087	1.23619
0.60	1.2235	5.5906	6.8140	35.5826	2.1027	1.21691
0.80	1.2086	5.3883	6.5970	34.8204	2.2974	1.19844
1.00	1.1962	5.2061	6.4023	34.0846	2.4929	1.18032
1.20	1.1871	5.0385	6.2256	33.3684	2.6896	1.16225
1.40	1.1828	4.8822	6.0651	32.6666	2.8880	1.14415
1.60	1.1864	4.7355	5.9219	31.9748	3.0893	1.12610
1.80	1.2023	4.5982	5.8005	31.2881	3.2951	1.10827
2.00	1.2374	4.4712	5.7086	30.6003	3.5076	1.09087
2.20	1.3021	4.3560	5.6581	29.9017	3.7298	1.07397

T= 7200

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.4739	29.2355	31.7095	91.6086	-5.1854	2.47405
-6.80	2.3857	27.0719	29.4576	88.3265	-5.0012	2.38584
-6.60	2.3118	25.2576	27.5694	85.4312	-4.8149	2.31187
-6.40	2.2505	23.7536	26.0040	82.8771	-4.6265	2.25055



T = 7200

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-6.20	2.2001	22.5179	24.7180	80.6171	-4.4364	2.20017
-6.00	2.1590	21.5098	23.6688	78.5056	-4.2446	2.15907
-5.80	2.1256	20.5918	22.8174	76.8013	-4.0513	2.12571
-5.60	2.0987	20.0307	22.1294	75.1678	-3.8569	2.09875
-5.40	2.0770	19.4982	21.5751	73.5740	-3.6614	2.07701
-5.20	2.0595	19.0699	21.1294	72.2934	-3.4651	2.05952
-5.00	2.0454	18.7256	20.7710	71.0041	-3.2680	2.04542
-4.80	2.0340	18.4484	20.4824	69.7876	-3.0705	2.03404
-4.60	2.0247	18.2240	20.2487	68.6287	-2.8724	2.02475
-4.40	2.0170	18.0402	20.0572	67.5144	-2.6741	2.01703
-4.20	2.0104	17.8862	19.8965	66.4330	-2.4755	2.01041
-4.00	2.0044	17.7516	19.7560	65.3741	-2.2768	2.00438
-3.80	1.9984	17.5261	19.6245	64.3269	-2.0781	1.99841
-3.60	1.9918	17.4975	19.4894	63.2795	-1.8796	1.99184
-3.40	1.9838	17.3514	19.3352	62.2178	-1.6813	1.98383
-3.20	1.9732	17.1690	19.1423	61.1242	-1.4835	1.97326
-3.00	1.9587	16.9271	18.8858	59.9767	-1.2868	1.95871
-2.80	1.9385	16.5982	18.5366	58.7502	-1.0914	1.93847
-2.60	1.9108	16.1539	18.0647	57.4193	-0.8976	1.91077
-2.40	1.8742	15.5724	17.4467	55.9660	-0.7060	1.87425
-2.20	1.8285	14.8475	16.6760	54.3881	-0.5167	1.82851
-2.00	1.7746	13.9951	15.7697	52.7059	-0.3297	1.77458
-1.80	1.7148	13.0527	14.7676	50.9599	-0.1446	1.71481
-1.60	1.6524	12.0704	13.7229	49.2023	0.0393	1.65238
-1.40	1.5905	11.0985	12.6892	47.4839	0.2227	1.59045
-1.20	1.5318	10.1787	11.7105	45.8452	0.4064	1.53163
-1.00	1.4778	9.3385	10.8163	44.3122	0.5908	1.47764
-0.80	1.4297	8.5922	10.0219	42.8967	0.7764	1.42936
-0.60	1.3874	7.9434	9.3308	41.5995	0.9634	1.38695
-0.40	1.3508	7.3880	8.7388	40.4138	1.1518	1.35009
-0.20	1.3193	6.9172	8.2365	39.3284	1.3415	1.31815
0.0	1.2921	6.5201	7.8122	38.3302	1.5325	1.29037
0.20	1.2686	6.1850	7.4536	37.4056	1.7245	1.26589
0.40	1.2481	5.9004	7.1485	36.5417	1.9174	1.24388
0.60	1.2302	5.6558	6.8859	35.7265	2.1111	1.22359
0.80	1.2146	5.4418	6.6564	34.9497	2.3055	1.20435
1.00	1.2016	5.2508	6.4524	34.2024	2.5009	1.18566
1.20	1.1920	5.0767	6.2687	33.4773	2.6975	1.16716
1.40	1.1875	4.9156	6.1031	32.7685	2.8958	1.14871
1.60	1.1898	4.7652	5.9560	32.0710	3.0970	1.13033
1.80	1.2063	4.6250	5.8313	31.3793	3.3027	1.11216
2.00	1.2411	4.4953	5.7364	30.6871	3.5150	1.09437
2.20	1.3054	4.3775	5.6830	29.9843	3.7369	1.07705

T = 7300

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.5490	30.5982	33.2463	93.4844	-5.1665	2.54818
-6.80	2.4486	28.2917	30.7404	89.9281	-4.9839	2.44876
-6.60	2.3544	26.2529	28.6173	86.7815	-4.7991	2.36453
-6.40	2.2940	24.5489	26.8430	84.0054	-4.6122	2.29415
-6.20	2.2759	23.1400	25.3759	81.5540	-4.4234	2.23595
-6.00	2.1931	21.9849	24.1730	79.3806	-4.2327	2.18824
-5.80	2.1493	21.0439	23.1932	77.4412	-4.0405	2.14936
-5.60	2.1178	20.2813	22.3991	75.6963	-3.8469	2.11785

T= 7300

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-5.40	2.0923	19.6656	21.7579	74.1114	-3.6522	2.09240
-5.20	2.0718	19.1697	21.2416	72.6569	-3.4565	2.07190
-5.00	2.0553	19.7710	20.8263	71.3079	-3.2599	2.05538
-4.80	2.0420	18.4502	20.4922	70.0438	-3.0628	2.04206
-4.60	2.0312	18.1913	20.2225	68.8472	-2.8651	2.03125
-4.40	2.0223	17.9809	20.0032	67.7034	-2.6670	2.02238
-4.20	2.0149	17.8070	19.8219	66.6000	-2.4686	2.01492
-4.00	2.0083	17.6590	19.6674	65.5257	-2.2700	2.00837
-3.80	2.0022	17.5264	19.5285	64.4696	-2.0713	2.00220
-3.60	1.9958	17.3977	19.3935	63.4203	-1.8727	1.99580
-3.40	1.9884	17.2598	19.2482	62.3649	-1.6743	1.98843
-3.20	1.9791	17.0960	19.0751	61.2875	-1.4764	1.97909
-3.00	1.9665	16.8855	18.8520	60.1683	-1.2791	1.96650
-2.80	1.9490	16.6026	18.5517	58.9836	-1.0830	1.94906
-2.60	1.9250	16.2190	18.1440	57.7077	-0.8884	1.92499
-2.40	1.8927	15.7090	17.5017	56.3184	-0.6957	1.89266
-2.20	1.8511	15.0581	16.9092	54.8050	-0.5054	1.85114
-2.00	1.8008	14.2711	16.0719	53.1768	-0.3174	1.80077
-1.80	1.7433	13.3759	15.1193	51.4653	-0.1314	1.74331
-1.60	1.6917	12.4175	14.0991	49.7181	0.0529	1.68164
-1.40	1.6191	11.4467	13.0658	47.9874	0.2364	1.61903
-1.20	1.5585	10.5096	12.0681	46.3187	0.4199	1.55839
-1.00	1.5021	9.6400	11.1421	44.7446	0.6039	1.50188
-0.80	1.4511	8.8581	10.3091	43.2829	0.7889	1.45075
-0.60	1.4059	8.1718	9.5777	41.9389	0.9751	1.40546
-0.40	1.3666	7.5802	8.9468	40.7092	1.1628	1.36589
-0.20	1.3327	7.0764	8.4091	39.5840	1.3519	1.33153
0.00	1.3034	6.6504	7.9538	38.5512	1.5423	1.30165
0.20	1.2781	6.2908	7.5689	37.5973	1.7338	1.27542
0.40	1.2562	5.9860	7.2422	36.7091	1.9262	1.25201
0.60	1.2372	5.7251	6.9623	35.8742	2.1196	1.23061
0.80	1.2208	5.4985	6.7193	35.0817	2.3138	1.21053
1.00	1.2072	5.2978	6.5050	34.3221	2.5090	1.19119
1.20	1.1972	5.1166	6.3137	33.5874	2.7053	1.17221
1.40	1.1922	4.9501	6.1423	32.8710	2.9035	1.15337
1.60	1.1952	4.7957	5.9909	32.1673	3.1046	1.13463
1.80	1.2105	4.6521	5.8626	31.4704	3.3101	1.11610
2.00	1.2449	4.5196	5.7644	30.7734	3.5223	1.09792
2.20	1.3088	4.3991	5.7079	30.0663	3.7441	1.08017

T= 7400

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.6283	32.2719	34.9002	95.4862	-5.1472	2.62849
-6.80	2.5177	29.6271	32.1447	91.6572	-4.9659	2.51780
-6.60	2.4228	27.3593	29.7820	88.2525	-4.7826	2.42289
-6.40	2.3427	25.4461	27.7888	85.2425	-4.5972	2.34283
-6.20	2.2760	23.8525	26.1285	82.5860	-4.4097	2.27615
-6.00	2.2211	22.5383	24.7593	80.2367	-4.2203	2.22116
-5.80	2.1761	21.4629	23.6390	78.1492	-4.0292	2.17616
-5.60	2.1395	20.5883	22.7278	76.2813	-3.8366	2.13956
-5.40	2.1098	19.8803	21.9902	74.5951	-3.6427	2.10992
-5.20	2.0859	19.3091	21.3950	73.0580	-3.4476	2.08600
-5.00	2.0667	18.8493	20.9159	71.6421	-3.2516	2.06673
-4.80	2.0511	18.4794	20.5305	70.3242	-3.0549	2.05119

T= 7400							
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*	
-4.60	2.0386	18.1814	20.2200	69.0847	-2.8575	2.03853	
-4.40	2.0284	17.9403	19.9687	67.9072	-2.6598	2.02840	
-4.20	2.0199	17.7431	19.7629	66.7779	-2.4616	2.01992	
-4.00	2.0126	17.5782	19.5908	65.6845	-2.2631	2.01266	
-3.80	2.0051	17.4349	19.4410	64.6159	-2.0646	2.00511	
-3.60	1.9996	17.3022	19.3019	63.5609	-1.8660	1.99968	
-3.40	1.9927	17.1678	19.1605	62.5072	-1.6675	1.99268	
-3.20	1.9842	17.0167	19.0009	61.4403	-1.4693	1.98424	
-3.00	1.9732	16.8302	18.8034	60.3425	-1.2717	1.97321	
-2.80	1.9581	16.5849	18.5430	59.1918	-1.0751	1.95811	
-2.60	1.9372	16.2535	18.1907	57.9632	-0.8797	1.93723	
-2.40	1.9098	15.8084	17.7172	56.5322	-0.6862	1.90879	
-2.20	1.8715	15.2290	17.1005	55.1821	-0.4947	1.87146	
-2.00	1.8250	14.5105	16.3354	53.5121	-0.3057	1.82495	
-1.80	1.7704	13.6699	15.4403	51.9435	-0.1188	1.77037	
-1.60	1.7102	12.7452	14.4554	50.2172	0.0661	1.71016	
-1.40	1.6476	11.7853	13.4329	48.4842	0.2499	1.64751	
-1.20	1.5857	10.8391	12.4248	46.7936	0.4333	1.58556	
-1.00	1.5270	9.9458	11.4729	45.1839	0.6169	1.52685	
-0.80	1.4733	9.1316	10.6050	43.6791	0.8014	1.47303	
-0.60	1.4254	8.4095	9.8348	42.2897	0.9870	1.42490	
-0.40	1.3833	7.7820	9.1653	41.0158	1.1740	1.38257	
-0.20	1.3468	7.2448	8.5916	39.8502	1.3624	1.34570	
0.0	1.3154	6.7889	8.1043	38.7816	1.5521	1.31362	
0.20	1.2893	6.4037	7.6919	37.7970	1.7431	1.28553	
0.40	1.2648	6.0775	7.3423	36.8830	1.9351	1.26058	
0.60	1.2446	5.7993	7.0439	36.0271	2.1281	1.23797	
0.80	1.2273	5.5589	6.7862	35.2177	2.3220	1.21694	
1.00	1.2129	5.3476	6.5606	34.4447	2.5169	1.19689	
1.20	1.2024	5.1584	6.3607	33.6995	2.7131	1.17736	
1.40	1.1970	4.9859	6.1830	32.9748	2.9112	1.15807	
1.60	1.1997	4.8269	6.0266	32.2644	3.1121	1.13896	
1.80	1.2146	4.6798	5.8943	31.5619	3.3175	1.12005	
2.00	1.2496	4.5442	5.7928	30.8600	3.5295	1.10147	
2.20	1.3122	4.4209	5.7331	30.1485	3.7511	1.08330	

T= 7500							
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*	
-7.00	2.7142	33.9374	36.6516	97.5959	-5.1274	2.71437	
-6.80	2.5925	31.0675	33.6600	93.5047	-4.9474	2.59270	
-6.60	2.4868	28.5723	31.0591	89.8407	-4.7654	2.48694	
-6.40	2.3966	25.4443	28.8409	86.5888	-4.5815	2.39674	
-6.20	2.3208	24.6566	26.9774	83.7155	-4.3954	2.32097	
-6.00	2.2579	23.1725	25.4304	81.1775	-4.2074	2.25907	
-5.80	2.2062	21.9517	24.1579	78.9293	-4.0174	2.20634	
-5.60	2.1640	20.9547	23.1187	76.9264	-3.8258	2.16408	
-5.40	2.1297	20.1451	22.2748	75.1284	-3.6328	2.12976	
-5.20	2.1019	19.4904	21.5924	73.4996	-3.4385	2.10200	
-5.00	2.0795	18.9626	21.0421	72.0092	-3.2431	2.07951	
-4.80	2.0615	18.5378	20.5992	70.6310	-3.0469	2.06155	
-4.60	2.0469	18.1958	20.2427	69.3431	-2.8500	2.04699	
-4.40	2.0351	17.9198	19.9549	68.1273	-2.6525	2.03518	
-4.20	2.0254	17.6955	19.7209	66.9681	-2.4546	2.02549	
-4.00	2.0173	17.5103	19.5277	65.8522	-2.2563	2.01735	

T= 7500						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-3.80	2.0102	17.3532	19.3634	64.7676	-2.0578	2.01023
-3.60	2.0035	17.2129	19.2164	63.7032	-1.8593	2.00355
-3.40	1.9967	17.0778	19.0744	62.6470	-1.6608	1.99671
-3.20	1.9888	16.9341	18.9229	61.5855	-1.4625	1.98887
-3.00	1.9790	16.7650	18.7440	60.5027	-1.2646	1.97902
-2.80	1.9658	16.5492	18.5150	59.3785	-1.0675	1.96583
-2.60	1.9476	16.2513	18.2089	58.1892	-0.8716	1.94765
-2.40	1.9227	15.8732	17.7959	56.9097	-0.6772	1.92271
-2.20	1.8994	15.3605	17.2498	55.5189	-0.4848	1.88939
-2.00	1.8469	14.7101	16.5577	54.0079	-0.2946	1.84685
-1.80	1.7956	13.9292	15.7248	52.3880	-0.1069	1.79555
-1.60	1.7375	13.0464	14.7839	50.6917	0.0788	1.73743
-1.40	1.6755	12.1069	13.7823	48.9662	0.2630	1.67538
-1.20	1.6128	11.1501	12.7729	47.2624	0.4465	1.61267
-1.00	1.5524	10.2498	11.8022	45.6236	0.6299	1.55216
-0.80	1.4962	9.4079	10.9041	44.0799	0.8139	1.49589
-0.60	1.4455	8.6525	10.0980	42.6474	0.9989	1.44504
-0.40	1.4007	7.9904	9.3911	41.3302	1.1853	1.39999
-0.20	1.3617	7.4200	8.7817	40.1240	1.3730	1.36055
0.0	1.3280	6.9340	8.2620	39.0189	1.5621	1.32619
0.20	1.2989	6.5224	7.8213	38.0026	1.7525	1.29615
0.40	1.2739	6.1740	7.4479	37.0620	1.9440	1.26958
0.60	1.2523	5.8775	7.1299	36.1840	2.1366	1.24566
0.80	1.2340	5.6226	6.8555	35.3567	2.3302	1.22361
1.00	1.2189	5.3999	6.6188	34.5694	2.5249	1.20276
1.20	1.2077	5.2020	6.4097	33.8129	2.7209	1.18262
1.40	1.2019	5.0230	6.2249	33.0793	2.9188	1.16285
1.60	1.2041	4.8590	6.0632	32.3617	3.1196	1.14332
1.80	1.2187	4.7079	5.9267	31.6533	3.3248	1.12402
2.00	1.2524	4.5690	5.8215	30.9463	3.5367	1.10505
2.20	1.3157	4.4429	5.7585	30.2302	3.7581	1.08644

T= 7600						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.8748	35.6718	38.4766	99.7913	-5.1074	2.80499
-6.80	2.6729	32.5993	35.2722	95.4582	-4.9284	2.67306
-6.60	2.5564	29.8853	32.4417	91.5407	-4.7477	2.55655
-6.40	2.4558	27.5415	29.8973	88.0435	-4.5651	2.45594
-6.20	2.3704	25.5531	27.9235	84.9444	-4.3805	2.37060
-6.00	2.2990	23.9896	26.1886	82.2063	-4.1938	2.29920
-5.80	2.2400	22.5130	24.7530	79.7850	-4.0051	2.24012
-5.60	2.1915	21.3835	23.5750	77.6354	-3.8146	2.19164
-5.40	2.1520	20.4629	22.6149	75.7151	-3.6225	2.15213
-5.20	2.1200	19.7164	21.8363	73.9851	-3.4290	2.12008
-5.00	2.0941	19.1133	21.2074	72.4120	-3.2343	2.09418
-4.80	2.0732	18.6273	20.7005	70.9666	-3.0387	2.07320
-4.60	2.0564	18.2361	20.2924	69.6247	-2.8422	2.05644
-4.40	2.0427	17.9208	19.9635	68.3656	-2.6451	2.04281
-4.20	2.0316	17.6656	19.6972	67.1723	-2.4475	2.03171
-4.00	2.0225	17.4568	19.4793	66.0302	-2.2494	2.02251
-3.80	2.0146	17.2825	19.2972	64.9264	-2.0511	2.01466
-3.60	2.0075	17.1314	19.1389	63.8491	-1.8527	2.00758
-3.40	2.0006	16.9919	18.9925	62.7867	-1.6542	2.00066
-3.20	1.9931	16.8512	18.8443	61.7263	-1.4558	1.99318

T= 7600

LOG RHO	Z	E/R T	H/R T	S/R	LOG P	Z*
-3.00	1.9842	16.6939	18.6781	60.6532	-1.2577	1.98420
-2.80	1.9725	16.5009	18.4734	59.5491	-1.0603	1.97252
-2.60	1.9566	16.2486	18.2052	58.3919	-0.8638	1.95663
-2.40	1.9347	15.9098	17.8446	57.1568	-0.6687	1.93475
-2.20	1.9052	15.4578	17.3630	55.8204	-0.4754	1.90515
-2.00	1.8666	14.8737	16.7403	54.3675	-0.2843	1.86659
-1.80	1.8189	14.1550	15.9739	52.7999	-0.0955	1.81889
-1.60	1.7634	13.3211	15.0844	51.1409	0.0910	1.76334
-1.40	1.7026	12.4105	14.1131	49.4321	0.2758	1.70252
-1.20	1.6398	11.4717	13.1114	47.7238	0.4594	1.63962
-1.00	1.5780	10.5514	12.1294	46.0629	0.6428	1.57775
-0.80	1.5197	9.6867	11.2063	44.4451	0.8254	1.51934
-0.60	1.4664	8.9011	10.3675	43.0122	1.0109	1.46591
-0.40	1.4189	8.2059	9.6248	41.6529	1.1965	1.41918
-0.20	1.3773	7.6027	8.9800	40.4061	1.3837	1.37615
0.0	1.3413	7.0863	8.4275	39.2640	1.5722	1.33946
0.20	1.3102	6.6477	7.9579	38.2152	1.7620	1.30737
0.40	1.2834	6.2763	7.5597	37.2467	1.9530	1.27909
0.60	1.2605	5.9607	7.2211	36.3455	2.1452	1.25377
0.80	1.2410	5.6902	6.9312	35.4993	2.3384	1.23060
1.00	1.2251	5.4553	6.6804	34.6967	2.5328	1.20988
1.20	1.2132	5.2480	6.4612	33.9281	2.7286	1.18807
1.40	1.2069	5.0618	6.2687	33.1849	2.9263	1.16777
1.60	1.2038	4.8923	6.1011	32.4596	3.1270	1.14778
1.80	1.2230	4.7369	5.9599	31.7448	3.3321	1.12808
2.00	1.2563	4.5945	5.8508	31.0325	3.5438	1.10858
2.20	1.3191	4.4652	5.7843	30.3115	3.7650	1.08964

T= 7700

LOG RHO	Z	E/R T	H/R T	S/R	LOG P	Z*
-7.00	2.8988	37.4436	40.3424	102.0408	-5.0874	2.89907
-6.80	2.7579	34.2015	36.9594	97.4968	-4.9091	2.75811
-6.60	2.6311	31.2854	33.9165	93.3404	-4.7295	2.63134
-6.40	2.5201	28.7308	31.2509	89.6004	-4.5482	2.52030
-6.20	2.4248	26.5391	28.9640	86.2708	-4.3650	2.42505
-6.00	2.3445	24.6893	27.0338	83.3233	-4.1795	2.34466
-5.80	2.2775	23.1478	25.4253	80.7181	-3.9922	2.27768
-5.60	2.2223	21.8762	24.0985	78.4109	-3.8029	2.22242
-5.40	2.1770	20.8354	23.0125	76.3574	-3.6118	2.17719
-5.20	2.1403	19.9887	22.1289	74.5169	-3.4192	2.14039
-5.00	2.1105	19.3029	21.4134	72.8527	-3.2252	2.11058
-4.80	2.0864	18.7495	20.8359	71.3330	-3.0303	2.08650
-4.60	2.0670	18.3036	20.3706	69.9309	-2.8343	2.06709
-4.40	2.0513	17.9444	19.9958	68.6237	-2.6376	2.05140
-4.20	2.0386	17.6544	19.6930	67.3920	-2.4403	2.03867
-4.00	2.0282	17.4187	19.4468	66.2199	-2.2425	2.02823
-3.80	2.0194	17.2241	19.2435	65.0934	-2.0444	2.01947
-3.60	2.0117	17.0589	19.0707	64.0001	-1.8461	2.01180
-3.40	2.0046	16.9117	18.9163	62.9281	-1.6476	2.00463
-3.20	1.9972	16.7700	18.7673	61.8649	-1.4492	1.99728
-3.00	1.9898	16.6198	18.6086	60.7968	-1.2510	1.98889
-2.80	1.9783	16.4436	18.4219	59.7070	-1.0533	1.97838
-2.60	1.9643	16.2197	18.1840	58.5751	-0.8564	1.96436
-2.40	1.9451	15.9224	17.8675	57.3775	-0.6607	1.94515

T= 7700

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-2.20	1.9189	15.5243	17.4433	56.0894	-0.4665	1.91892
-2.00	1.8842	15.7024	16.8865	54.5914	-0.2745	1.88416
-1.80	1.8402	14.3463	16.1864	53.1773	-0.0848	1.84017
-1.60	1.7977	13.5656	15.3533	51.5611	0.1026	1.78761
-1.40	1.7286	12.6915	14.4201	49.8771	0.2880	1.72857
-1.20	1.6662	11.7689	13.4351	48.1729	0.4721	1.66606
-1.00	1.6035	10.8460	12.4496	46.4971	0.6554	1.60333
-0.80	1.5434	9.9641	11.5075	44.8907	0.8388	1.54310
-0.60	1.4878	9.1520	10.6398	43.3810	1.0229	1.48731
-0.40	1.4378	8.4259	9.8637	41.9815	1.2080	1.43699
-0.20	1.3936	7.7909	9.1845	40.6947	1.3945	1.39241
0.0	1.3551	7.2443	8.5994	39.5155	1.5823	1.35332
0.20	1.3219	6.7785	8.1004	38.4334	1.7715	1.31913
0.40	1.2934	6.3834	7.6768	37.4363	1.9621	1.28904
0.60	1.2690	6.0479	7.3169	36.5110	2.1538	1.26223
0.80	1.2483	5.7613	7.0096	35.6448	2.3467	1.23787
1.00	1.2314	5.5135	6.7449	34.8262	2.5408	1.21521
1.20	1.2189	5.2960	6.5149	34.0447	2.7363	1.19367
1.40	1.2121	5.1021	6.3141	33.2913	2.9339	1.17279
1.60	1.2134	4.9267	6.1401	32.5578	3.1344	1.15232
1.80	1.2272	4.7666	5.9939	31.8363	3.3393	1.13218
2.00	1.2602	4.6204	5.8806	31.1183	3.5508	1.11236
2.20	1.3227	4.4879	5.8105	30.3924	3.7718	1.09288

T= 7800

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	2.9950	39.2210	42.2161	104.3130	-5.0676	2.99531
-6.80	2.8467	35.8519	38.6986	99.5991	-4.8897	2.84698
-6.60	2.7106	32.7589	35.4695	95.2270	-4.7110	2.71084
-6.40	2.5894	30.0050	32.5943	91.2534	-4.5308	2.58965
-6.20	2.4841	27.6117	30.0958	87.6925	-4.3489	2.48434
-6.00	2.3943	25.5713	27.9657	84.5295	-4.1649	2.39457
-5.80	2.3190	23.8576	26.1766	81.7311	-3.9787	2.31919
-5.60	2.2564	22.4352	24.6916	79.2555	-3.7906	2.25661
-5.40	2.2050	21.2652	23.4702	77.0587	-3.6006	2.20514
-5.20	2.1630	20.3298	22.4727	75.0979	-3.4090	2.16311
-5.00	2.1288	19.5338	21.6627	73.3340	-3.2159	2.12897
-4.80	2.1012	18.9062	21.0075	71.7327	-3.0216	2.10134
-4.60	2.0789	18.4000	20.4789	70.2641	-2.8262	2.07904
-4.40	2.0609	17.9922	20.0531	68.9032	-2.6300	2.06103
-4.20	2.0464	17.6533	19.7097	67.6287	-2.4331	2.04647
-4.00	2.0345	17.3969	19.4314	66.4228	-2.2355	2.03459
-3.80	2.0247	17.1789	19.2036	65.2702	-2.0377	2.02474
-3.60	2.0163	16.9968	19.0130	64.1577	-1.8395	2.01632
-3.40	2.0087	16.8387	18.8474	63.0729	-1.6411	2.00873
-3.20	2.0013	16.6927	18.6939	62.0035	-1.4427	2.00131
-3.00	1.9932	16.5453	18.5386	60.9363	-1.2445	1.99327
-2.80	1.9836	16.3807	18.3643	59.8560	-1.0466	1.98363
-2.60	1.9711	16.1790	18.1501	58.7435	-0.8493	1.97113
-2.40	1.9541	15.9163	17.8704	57.5767	-0.6531	1.95417
-2.20	1.9309	15.5654	17.4963	56.3310	-0.4583	1.93095
-2.00	1.8998	15.1008	17.0005	54.9840	-0.2653	1.89979
-1.80	1.8595	14.5059	16.3654	53.5232	-0.0746	1.85954
-1.60	1.8103	13.7815	15.5918	51.9535	0.1137	1.81026

T= 7800

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-1.40	1.7536	12.9500	14.7036	50.3012	0.2999	1.75349
-1.20	1.6921	12.0513	13.7434	48.6090	0.4844	1.69193
-1.00	1.6290	11.1331	12.7622	46.9262	0.6679	1.62882
-0.80	1.5675	10.2399	11.8074	45.2970	0.8512	1.56717
-0.60	1.5098	9.4055	10.9153	43.7543	1.0349	1.50925
-0.40	1.4572	8.6509	10.1082	42.3168	1.2195	1.45645
-0.20	1.4105	7.9853	9.3958	40.9911	1.4053	1.40933
0.0	1.3697	7.4087	8.7784	39.7746	1.5926	1.36783
0.20	1.3343	6.9154	8.2497	38.6588	1.7812	1.33146
0.40	1.3039	6.4960	7.7999	37.6322	1.9712	1.29950
0.60	1.2779	6.1399	7.4178	36.6818	2.1624	1.27112
0.80	1.2560	5.8362	7.0922	35.7949	2.3549	1.24547
1.00	1.2381	5.5747	6.8129	34.9592	2.5487	1.22180
1.20	1.2248	5.3464	6.5712	34.1640	2.7440	1.19945
1.40	1.2173	5.1441	6.3614	33.3997	2.9414	1.17794
1.60	1.2142	4.9622	6.1805	32.6574	3.1417	1.15695
1.80	1.2166	4.7971	6.0288	31.9288	3.3464	1.13634
2.00	1.2242	4.6469	5.9111	31.2048	3.5578	1.11608
2.20	1.2352	4.5109	5.8371	30.4738	3.7786	1.09615

T= 7900

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.0917	40.9565	44.7582	106.5692	-5.0483	3.09201
-6.80	2.9332	37.5215	40.4597	101.7360	-4.8704	2.93847
-6.60	2.7940	34.2957	37.0796	97.1808	-4.6923	2.79429
-6.40	2.6633	31.3513	34.0145	92.9904	-4.5131	2.66356
-6.20	2.5490	28.7638	31.3119	89.2037	-4.3323	2.54831
-6.00	2.4437	26.5325	28.9812	85.8224	-4.1496	2.44894
-5.80	2.3645	24.6415	27.0060	82.8237	-3.9648	2.36473
-5.60	2.2941	23.0607	25.3549	80.1708	-3.7779	2.29434
-5.40	2.2359	21.7534	23.9893	77.8209	-3.5891	2.23613
-5.20	2.1882	20.6812	22.8694	75.7303	-3.3984	2.18839
-5.00	2.1493	19.8075	21.9568	73.8582	-3.2062	2.14948
-4.80	2.1178	19.0991	21.2169	72.1675	-3.0126	2.11793
-4.60	2.0923	18.5267	20.6190	70.6260	-2.8179	2.09241
-4.40	2.0717	18.0652	20.1369	69.2058	-2.6222	2.07181
-4.20	2.0551	17.6932	19.7482	67.8838	-2.4257	2.05517
-4.00	2.0415	17.3926	19.4341	66.6400	-2.2286	2.04165
-3.80	2.0305	17.1480	19.1784	65.4579	-2.0309	2.03055
-3.60	2.0211	16.9459	18.9671	64.3230	-1.8329	2.02121
-3.40	2.0130	16.7741	18.7871	63.2223	-1.6347	2.01303
-3.20	2.0053	16.6206	18.6259	62.1436	-1.4363	2.00535
-3.00	1.9974	16.4725	18.4699	61.0738	-1.2380	1.99747
-2.80	1.9984	16.3150	18.3034	59.9985	-1.0400	1.98944
-2.60	1.9771	16.1301	18.1072	58.9004	-0.8425	1.97712
-2.40	1.9620	15.8954	17.8574	57.7585	-0.6458	1.96706
-2.20	1.9415	15.5850	17.5265	56.5491	-0.4504	1.94149
-2.00	1.9136	15.1721	17.0958	55.2482	-0.2567	1.91363
-1.80	1.8770	14.6357	16.5129	53.9387	-0.0650	1.87703
-1.60	1.8312	13.9688	15.8001	52.3176	0.1242	1.83121
-1.40	1.7772	13.1847	14.9619	50.7023	0.3112	1.77711
-1.20	1.7171	12.3168	14.0339	49.0297	0.4963	1.71702
-1.00	1.6543	11.4105	13.0647	47.3471	0.6801	1.65405
-0.80	1.5917	10.5121	12.1038	45.7014	0.8633	1.59139

T= 7900

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-0.60	1.5321	9.5599	11.1921	44.1302	1.0468	1.53163
-0.40	1.4773	8.8798	10.3571	42.6573	1.2309	1.47651
-0.20	1.4281	8.1850	9.6132	41.2938	1.4162	1.42691
0.0	1.3848	7.5791	8.9539	40.0404	1.6029	1.38299
0.20	1.3472	7.0581	8.4753	38.8905	1.7909	1.34439
0.40	1.3149	6.6140	7.9289	37.8336	1.9804	1.31048
0.60	1.2872	6.2365	7.5238	36.8573	2.1711	1.28043
0.80	1.2640	5.9151	7.1790	35.9485	2.3632	1.25342
1.00	1.2450	5.6391	6.8841	35.0950	2.5567	1.22865
1.20	1.2309	5.3993	6.6302	34.2854	2.7517	1.20543
1.40	1.2227	5.1980	6.4107	33.5094	2.9488	1.18323
1.60	1.2231	4.9991	6.2222	32.7577	3.1489	1.16167
1.80	1.2360	4.8286	6.0646	32.0215	3.3535	1.14057
2.00	1.2692	4.6739	5.9421	31.2911	3.5647	1.11985
2.20	1.3298	4.5342	5.8641	30.5547	3.7853	1.09945

T= 3000

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.1872	42.6448	45.8320	108.7734	-5.0296	3.18755
-6.80	3.0310	39.1814	42.2123	103.8783	-4.8515	3.03131
-6.60	2.8805	35.8447	38.7252	99.1809	-4.6736	2.88081
-6.40	2.7412	32.7561	35.4973	94.7984	-4.4951	2.74154
-6.20	2.6164	29.9877	32.6041	90.7970	-4.3153	2.61673
-6.00	2.5074	27.5692	30.0766	87.1993	-4.1338	2.50771
-5.80	2.4141	25.4985	27.9126	83.9960	-3.9503	2.41439
-5.60	2.3355	23.7537	26.0892	81.1581	-3.7647	2.33576
-5.40	2.2701	22.3016	24.5715	78.6460	-3.5770	2.27032
-5.20	2.2162	21.1048	23.3209	76.4166	-3.3874	2.21639
-5.00	2.1721	20.1259	22.2979	74.4277	-3.1962	2.17228
-4.80	2.1362	19.3298	21.4660	72.6399	-3.0034	2.13640
-4.60	2.1072	18.6853	20.7924	71.0185	-2.8094	2.10733
-4.40	2.0837	18.1649	20.2486	69.5334	-2.6142	2.08385
-4.20	2.0647	17.7453	19.8101	68.1588	-2.4182	2.06487
-4.00	2.0494	17.4067	19.4561	66.8730	-2.2214	2.04950
-3.80	2.0368	17.1322	19.1691	65.6577	-2.0241	2.03696
-3.60	2.0264	16.9073	18.9338	64.4973	-1.8263	2.02654
-3.40	2.0175	16.7190	18.7366	63.3779	-1.6282	2.01761
-3.20	2.0094	16.5551	18.5645	62.2867	-1.4300	2.00953
-3.00	2.0015	16.4030	18.4045	61.2111	-1.2317	2.00159
-2.80	1.9929	16.2483	18.2417	60.1371	-1.0336	1.99293
-2.60	1.9825	16.0757	18.0582	59.0486	-0.8358	1.98252
-2.40	1.9690	15.8633	17.8323	57.9262	-0.6388	1.96900
-2.20	1.9507	15.5870	17.5377	56.7471	-0.4429	1.95072
-2.00	1.9258	15.2200	17.1459	55.4873	-0.2484	1.92585
-1.80	1.8927	14.7382	16.6310	54.1259	-0.0560	1.89273
-1.60	1.8505	14.1282	15.9786	52.6536	0.1342	1.85044
-1.40	1.7994	13.3946	15.1947	51.0794	0.3221	1.79932
-1.20	1.7413	12.5634	14.3047	49.4327	0.5079	1.74116
-1.00	1.6791	11.6759	13.3549	47.7575	0.6920	1.67984
-0.80	1.6159	10.7787	12.3947	46.1018	0.8754	1.61560
-0.60	1.5548	9.9137	11.4685	44.5068	1.0586	1.55432
-0.40	1.4979	9.1113	10.6092	43.0017	1.2424	1.49708
-0.20	1.4463	8.3894	9.8357	41.5022	1.4272	1.44509
0.0	1.4006	7.7549	9.1555	40.3124	1.6133	1.39875



T= 9000						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
0.20	1.3698	7.2364	8.5572	39.1283	1.8007	1.35799
0.40	1.3264	6.7372	9.0635	38.0406	1.9896	1.32195
0.60	1.2970	6.3379	7.6350	37.0374	2.1799	1.29017
0.80	1.2723	5.9980	7.2703	36.1060	2.3715	1.26172
1.00	1.2522	5.7068	6.9597	35.2337	2.5646	1.23579
1.20	1.2371	5.4548	6.6920	34.4088	2.7594	1.21152
1.40	1.2283	5.2339	6.4622	33.6205	2.9562	1.18866
1.60	1.2231	5.0375	6.2656	32.8590	3.1562	1.16650
1.80	1.2405	4.8611	6.1017	32.1148	3.3606	1.14487
2.00	1.2723	4.7018	5.9741	31.3777	3.5715	1.12367
2.20	1.3335	4.5583	5.8918	30.6356	3.7919	1.10280

T= 8100						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.2798	44.2194	47.4992	110.8875	-5.0118	3.28016
-6.80	3.1235	40.7081	43.9216	105.9917	-4.8330	3.12394
-6.60	2.9689	37.4094	40.3783	101.2005	-4.6551	2.96926
-6.40	2.8224	34.2004	37.0228	96.5584	-4.4770	2.82281
-6.20	2.6848	31.2708	33.9595	92.4604	-4.2981	2.68914
-6.00	2.5703	28.6739	31.2442	88.5532	-4.1177	2.57068
-5.80	2.4678	26.4248	28.8326	85.2447	-3.9354	2.46810
-5.60	2.3906	24.5124	26.8930	82.2166	-3.7510	2.38089
-5.40	2.3375	22.9095	25.2171	79.5347	-3.5645	2.30781
-5.20	2.2470	21.5811	23.8281	77.1580	-3.3761	2.24723
-5.00	2.1972	20.4499	22.6871	75.0439	-3.1858	2.19749
-4.80	2.1566	19.5995	21.7561	73.1513	-2.9939	2.15687
-4.60	2.1237	18.8767	21.0005	71.4433	-2.8006	2.12390
-4.40	2.0970	18.2923	20.3893	69.8872	-2.6060	2.09722
-4.20	2.0755	17.8206	19.8961	68.4550	-2.4105	2.07555
-4.00	2.0581	17.4402	19.4982	67.1228	-2.2142	2.05822
-3.80	2.0439	17.1324	19.1763	65.8707	-2.0172	2.04404
-3.60	2.0323	16.8817	18.9140	64.6815	-1.8197	2.03237
-3.40	2.0224	16.6741	18.6966	63.5404	-1.6218	2.02254
-3.20	2.0138	16.4971	18.5108	62.4340	-1.4235	2.01388
-3.00	2.0056	16.3380	18.3436	61.3494	-1.2254	2.00570
-2.80	1.9971	16.1935	18.1806	60.2732	-1.0272	1.99722
-2.60	1.9874	16.0180	18.0054	59.1902	-0.8294	1.98746
-2.40	1.9751	15.8226	17.7978	58.0823	-0.6321	1.97517
-2.20	1.9598	15.5744	17.5332	56.9281	-0.4357	1.95881
-2.00	1.9366	15.2471	17.1837	55.7036	-0.2406	1.93658
-1.80	1.9067	14.8150	16.7217	54.3863	-0.0474	1.90670
-1.60	1.8679	14.2597	16.1276	52.9614	0.1437	1.86788
-1.40	1.8200	13.5781	15.3981	51.4304	0.3324	1.81994
-1.20	1.7642	12.7881	14.5523	49.8149	0.5189	1.76410
-1.00	1.7031	11.9256	13.6287	49.1538	0.7036	1.70290
-0.80	1.6399	11.0360	12.6758	46.4945	0.8871	1.63953
-0.60	1.5776	10.1634	11.7410	44.8812	1.0703	1.57709
-0.40	1.5188	9.3427	10.8615	43.3477	1.2538	1.51797
-0.20	1.4650	8.5962	10.0611	41.9144	1.4382	1.46373
0.0	1.4159	7.9345	9.3514	40.5894	1.6237	1.41503
0.20	1.3748	7.3590	8.7338	39.3714	1.8106	1.37190
0.40	1.3394	6.8648	8.2031	38.2526	1.9989	1.33389
0.60	1.3072	6.4433	7.7505	37.2222	2.1887	1.30032
0.80	1.2810	6.0843	7.3654	36.2675	2.3799	1.27035

T= 8100						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
1.00	1.2597	5.7774	7.0371	35.3758	2.5726	1.24317
1.20	1.2436	5.5127	6.7564	34.5349	2.7670	1.21802
1.40	1.2340	5.2817	6.5157	33.7337	2.9637	1.19426
1.60	1.2332	5.0774	6.3106	32.9617	3.1634	1.17144
1.80	1.2451	4.8947	6.1399	32.2090	3.3676	1.14926
2.00	1.2764	4.7304	6.0068	31.4649	3.5783	1.12756
2.20	1.3372	4.5828	5.9200	30.7169	3.7985	1.10620

T= 8200						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.3679	45.4511	49.0289	112.8808	-4.9950	3.36831
-6.80	3.2145	42.3416	45.5561	108.0454	-4.8152	3.21493
-6.60	3.0580	38.9542	42.0122	103.2138	-4.6369	3.05845
-6.40	2.9061	35.6649	38.5711	98.5516	-4.4590	2.90656
-6.20	2.7646	32.6203	35.3650	94.1818	-4.2807	2.76507
-6.00	2.6372	29.8390	32.4762	90.1772	-4.1012	2.63761
-5.80	2.5254	27.4166	29.9420	86.5667	-3.9200	2.52582
-5.60	2.4294	25.3357	27.7651	83.3454	-3.7368	2.42980
-5.40	2.3483	23.5776	25.9259	80.4878	-3.5516	2.34869
-5.20	2.2807	22.1114	24.3922	77.9563	-3.3643	2.28105
-5.00	2.2249	20.9010	23.1260	75.7089	-3.1750	2.22521
-4.80	2.1792	19.9097	22.0889	73.7039	-2.9840	2.17948
-4.60	2.1420	19.1027	21.2447	71.9022	-2.7915	2.14224
-4.40	2.1118	18.4487	20.5605	70.2690	-2.5977	2.11204
-4.20	2.0874	17.9203	20.0077	68.7738	-2.4027	2.08762
-4.00	2.0677	17.4939	19.5616	67.3909	-2.2068	2.06788
-3.80	2.0517	17.1495	19.2012	66.0981	-2.0112	2.05187
-3.60	2.0396	16.8699	18.9086	64.8768	-1.8130	2.03977
-3.40	2.0277	16.6404	18.6681	63.7110	-1.6153	2.02787
-3.20	2.0184	16.4476	18.4659	62.5866	-1.4173	2.01848
-3.00	2.0098	16.2788	18.2886	61.4903	-1.2192	2.00991
-2.80	2.0013	16.1209	18.1222	60.4088	-1.0210	2.00142
-2.60	1.9920	15.9593	17.9513	59.3277	-0.8230	1.99207
-2.40	1.9807	15.7764	17.7571	58.2299	-0.6255	1.98074
-2.20	1.9659	15.5509	17.5168	57.0955	-0.4288	1.96599
-2.00	1.9460	15.2576	17.2036	55.9012	-0.2332	1.94607
-1.80	1.9191	14.8701	16.7893	54.6235	-0.0392	1.91916
-1.60	1.8837	14.3666	16.2503	53.2440	0.1527	1.88370
-1.40	1.8391	13.7373	15.5764	51.7571	0.3423	1.83903
-1.20	1.7860	12.9919	14.7778	50.1767	0.5295	1.78583
-1.00	1.7264	12.1598	13.8862	48.5359	0.7148	1.72620
-0.80	1.6635	11.2838	12.9473	46.8792	0.8987	1.66316
-0.60	1.6004	10.4091	12.0096	45.2530	1.0819	1.59992
-0.40	1.5400	9.5741	11.1141	43.6950	1.2652	1.53920
-0.20	1.4841	8.9056	10.2897	42.2305	1.4491	1.48284
0.0	1.4338	8.1182	9.5520	40.8715	1.6341	1.43185
0.20	1.3894	7.5163	8.9057	39.6198	1.8205	1.38644
0.40	1.3508	6.9971	8.3479	38.4698	2.0083	1.34633
0.60	1.3179	6.5530	7.8709	37.4115	2.1975	1.31090
0.80	1.2901	6.1746	7.4647	36.4327	2.3883	1.27935
1.00	1.2675	5.8513	7.1187	35.5203	2.5806	1.25095
1.20	1.2503	5.5732	6.8235	34.6632	2.7747	1.22462
1.40	1.2399	5.3314	6.5713	33.8483	2.9710	1.20001
1.60	1.2384	5.1186	6.3570	33.0653	3.1705	1.17648

T = 8200						
LOG PHO	Z	E/RT	H/RT	S/R	LOG P	Z*
1.80	1.2498	4.9293	5.1791	32.3036	3.3745	1.15371
2.00	1.2976	4.7596	6.0402	31.5522	3.5851	1.13147
2.20	1.3409	4.6077	5.9486	30.7981	3.8051	1.10962

T = 8300						
LOG PHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.4502	46.9449	50.3951	114.7260	-4.9792	3.45062
-6.80	3.3023	43.7821	47.0843	110.0079	-4.7982	3.30275
-6.60	3.1466	40.4505	43.5972	105.1915	-4.6192	3.14704
-6.40	2.9912	37.1267	40.1179	100.4545	-4.4412	2.99173
-6.20	2.8433	33.9595	36.8027	95.7442	-4.2632	2.84378
-6.00	2.7076	31.0535	33.7611	91.7637	-4.0845	2.70807
-5.80	2.5869	28.4671	31.0540	87.9558	-3.9043	2.58731
-5.60	2.4820	26.2199	28.7019	84.5421	-3.7223	2.48241
-5.40	2.3926	24.3043	26.6969	81.5046	-3.5382	2.39300
-5.20	2.3175	22.6954	25.0129	78.8117	-3.3520	2.31792
-5.00	2.2553	21.3599	23.6151	76.4238	-3.1639	2.25559
-4.80	2.2040	20.2613	22.4653	74.2989	-2.9738	2.20433
-4.60	2.1632	19.3641	21.5262	72.3966	-2.7822	2.16245
-4.40	2.1282	18.6351	20.7633	70.6901	-2.5891	2.12841
-4.20	2.1006	18.0452	20.1458	69.1167	-2.3947	2.10085
-4.00	2.0783	17.5688	19.6472	67.6783	-2.1993	2.07856
-3.80	2.0603	17.1842	19.2445	66.3408	-2.0031	2.06050
-3.60	2.0456	16.8727	18.9184	65.0841	-1.8062	2.04580
-3.40	2.0335	16.6185	18.6520	63.8906	-1.6088	2.03367
-3.20	2.0233	16.4073	18.4306	62.7455	-1.4110	2.02340
-3.00	2.0142	16.2262	18.2404	61.6347	-1.2130	2.01429
-2.80	2.0055	16.0622	18.0677	60.5451	-1.0148	2.00560
-2.60	1.9964	15.9011	17.8975	59.4625	-0.8168	1.99647
-2.40	1.9858	15.7266	17.7124	58.3710	-0.6191	1.98585
-2.20	1.9723	15.5188	17.4911	57.2517	-0.4221	1.97239
-2.00	1.9544	15.2539	17.2083	56.0824	-0.2260	1.95446
-1.80	1.9302	14.9057	16.8359	54.8395	-0.0315	1.93021
-1.60	1.8979	14.4500	16.3479	53.5021	0.1612	1.89792
-1.40	1.8566	13.8717	15.7283	52.0589	0.3516	1.85653
-1.20	1.8063	13.1728	14.9791	50.5163	0.5397	1.80618
-1.00	1.7437	12.3757	14.1244	48.9004	0.7256	1.74848
-0.80	1.6865	11.5190	13.2055	47.2526	0.9099	1.68621
-0.60	1.6231	10.5475	12.2706	45.6191	1.0933	1.62258
-0.40	1.5614	9.3027	11.3641	44.0411	1.2764	1.56054
-0.20	1.5035	8.0154	10.5189	42.5483	1.4600	1.50028
0.0	1.4510	6.3043	9.7553	41.1571	1.6446	1.44909
0.20	1.4044	7.6770	9.0814	39.8726	1.8304	1.40145
0.40	1.3638	7.1331	8.4969	38.6915	2.0177	1.35922
0.60	1.3289	6.6665	7.9954	37.6051	2.2064	1.32199
0.80	1.2995	6.2682	7.5677	36.6018	2.3967	1.28869
1.00	1.2755	5.9281	7.2036	35.6690	2.5886	1.25882
1.20	1.2573	5.6361	6.8934	34.7941	2.7824	1.23147
1.40	1.2440	5.3831	6.6291	33.9650	2.9784	1.20594
1.60	1.2438	5.1615	6.4052	33.1704	3.1777	1.18167
1.80	1.2546	4.9650	6.2196	32.3994	3.3814	1.15827
2.00	1.2849	4.7897	6.0747	31.6402	3.5918	1.13548
2.20	1.3448	4.6333	5.9780	30.8796	3.8116	1.11311

T= 8400

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.5256	48.0554	51.5810	116.4056	-4.9646	3.52611
-6.80	3.3856	45.0952	48.4808	111.8535	-4.7822	3.38609
-6.60	3.2332	41.8727	45.1759	107.1066	-4.6022	3.23371
-6.40	3.0767	38.5627	41.6394	102.3437	-4.4238	3.07725
-6.20	2.9240	35.3305	38.2545	97.7302	-4.2459	2.92451
-6.00	2.7810	32.3051	35.0861	93.3916	-4.0677	2.78158
-5.80	2.6518	29.5688	32.2206	89.4050	-3.8883	2.65234
-5.60	2.5381	27.1610	29.4992	85.8028	-3.7073	2.53864
-5.40	2.4403	25.0878	27.5280	82.5838	-3.5244	2.44076
-5.20	2.3575	23.3327	25.6902	79.7246	-3.3394	2.35791
-5.00	2.2883	21.8669	24.1552	77.1896	-3.1523	2.28872
-4.80	2.2312	20.6553	22.8865	74.9378	-2.9633	2.23153
-4.60	2.1847	19.6620	21.8464	72.9282	-2.7725	2.18464
-4.40	2.1461	18.8528	20.9989	71.1222	-2.5802	2.14643
-4.20	2.1152	18.1965	20.3116	69.4850	-2.3865	2.11543
-4.00	2.0901	17.6659	19.7560	67.9863	-2.1917	2.09033
-3.80	2.0698	17.2374	19.3072	66.6001	-1.9959	2.07002
-3.60	2.0533	16.8909	18.9442	65.3044	-1.7994	2.05352
-3.40	2.0398	16.6091	18.6490	64.0802	-1.6023	2.04000
-3.20	2.0285	16.3771	18.4057	62.9116	-1.4047	2.02870
-3.00	2.0187	16.1813	18.2000	61.7838	-1.2068	2.01889
-2.80	2.0097	16.0285	18.0182	60.6834	-1.0087	2.00985
-2.60	2.0006	15.8449	17.8456	59.5965	-0.8107	2.00074
-2.40	1.9905	15.6753	17.6658	58.5077	-0.6129	1.99062
-2.20	1.9781	15.4809	17.4590	57.3994	-0.4156	1.97819
-2.00	1.9619	15.2394	17.2013	56.2506	-0.2192	1.96194
-1.80	1.9400	14.9255	16.8655	55.0379	-0.0241	1.94006
-1.60	1.9107	14.5134	16.4241	53.7389	0.1693	1.91072
-1.40	1.8726	13.9841	15.8567	52.3381	0.3606	1.87255
-1.20	1.8253	13.3328	15.1581	50.8349	0.5495	1.82521
-1.00	1.7700	12.5742	14.3442	49.2483	0.7361	1.76978
-0.80	1.7090	11.7418	13.4508	47.6146	0.9209	1.70868
-0.60	1.6456	10.8789	12.5245	45.9793	1.1045	1.64506
-0.40	1.5829	10.0288	11.6116	44.3858	1.2876	1.58203
-0.20	1.5233	9.2259	10.7493	42.8679	1.4709	1.52207
0.0	1.4688	8.4931	9.9619	41.4464	1.6551	1.46680
0.20	1.4200	7.8416	9.2615	40.1300	1.8404	1.41696
0.40	1.3772	7.2734	8.6506	38.9180	2.0271	1.37260
0.60	1.3404	6.7841	8.1245	37.8031	2.2154	1.33332
0.80	1.3093	6.3656	7.6749	36.7747	2.4052	1.29843
1.00	1.2839	6.0082	7.2921	35.8205	2.5967	1.26712
1.20	1.2645	5.7118	6.9664	34.9276	2.7901	1.23858
1.40	1.2523	5.4371	6.6894	34.0837	2.9858	1.21208
1.60	1.2493	5.2060	6.4553	33.2770	3.1848	1.18702
1.80	1.2595	5.0021	6.2616	32.4950	3.3883	1.16295
2.00	1.2893	4.8209	6.1102	31.7288	3.5985	1.13958
2.20	1.3487	4.6596	6.0082	30.9615	3.8180	1.11666

T= 8500

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.5936	48.9842	52.5778	117.9088	-4.9512	3.59407
-6.80	3.4633	46.2613	49.7245	113.5602	-4.7672	3.46380
-6.60	3.3166	43.1954	46.5119	108.9327	-4.5860	3.31715
-6.40	3.1613	39.9483	43.1795	104.1940	-4.4069	3.16189

T= 8500

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-6.20	3.0057	36.6930	39.6987	99.5189	-4.2288	3.00629
-6.00	2.8568	33.5785	36.4354	95.0549	-4.0538	2.85745
-5.80	2.7199	30.7113	33.4312	90.9042	-3.8722	2.72048
-5.60	2.5977	28.1525	30.7502	87.1215	-3.6921	2.59827
-5.40	2.4913	25.7245	28.4158	83.7222	-3.5173	2.49187
-5.20	2.4005	24.0218	26.4223	80.6939	-3.3264	2.40103
-5.00	2.3242	22.4216	24.7458	78.0063	-3.1405	2.32464
-4.80	2.2607	21.0919	23.3526	75.5213	-2.9525	2.26117
-4.60	2.2085	19.9971	22.2056	73.4979	-2.7626	2.20891
-4.40	2.1658	19.1022	21.2681	71.5962	-2.5711	2.16618
-4.20	2.1311	18.3748	20.5059	69.8796	-2.3781	2.13143
-4.00	2.1030	17.7857	19.9887	68.3158	-2.1839	2.10327
-3.80	2.0802	17.3096	19.3898	66.8768	-1.9886	2.08048
-3.60	2.0618	16.9249	18.9867	65.5385	-1.7925	2.06199
-3.40	2.0467	16.6129	18.6596	64.2806	-1.5957	2.04691
-3.20	2.0342	16.3576	18.3919	63.0857	-1.3983	2.03442
-3.00	2.0236	16.1446	18.1682	61.9384	-1.2006	2.02377
-2.80	2.0141	15.9606	17.9747	60.8247	-1.0026	2.01424
-2.60	2.0049	15.7919	17.7968	59.7307	-0.8046	2.00501
-2.40	1.9950	15.6239	17.6190	58.6416	-0.6068	1.99516
-2.20	1.9834	15.4391	17.4225	57.5406	-0.4093	1.98353
-2.00	1.9686	15.2166	17.1852	56.4080	-0.2126	1.96868
-1.80	1.9488	14.9319	16.8878	55.2211	-0.0169	1.94887
-1.60	1.9222	14.5592	16.4814	53.9567	0.1771	1.92223
-1.40	1.8872	14.0751	15.9633	52.5962	0.3691	1.88717
-1.20	1.8430	13.4721	15.3151	51.1329	0.5588	1.84291
-1.00	1.7902	12.7547	14.5450	49.5787	0.7462	1.79701
-0.80	1.7308	11.9512	13.6820	47.9642	0.9315	1.73046
-0.60	1.6678	11.1020	12.7698	46.3325	1.1154	1.66723
-0.40	1.6044	10.2511	11.8555	44.7282	1.2986	1.60354
-0.20	1.5434	9.4362	10.9797	43.1887	1.4818	1.54213
0.0	1.4869	8.6842	10.1711	41.7391	1.6656	1.48492
0.20	1.4360	8.0097	9.4457	40.3920	1.8504	1.43794
0.40	1.3911	7.4178	8.8089	39.1493	2.0366	1.38645
0.60	1.3523	6.9058	8.2581	38.0059	2.2243	1.34520
0.80	1.3195	6.4668	7.7863	36.9519	2.4137	1.30955
1.00	1.2926	6.0917	7.3843	35.9756	2.6047	1.27574
1.20	1.2720	5.7704	7.0424	35.0640	2.7978	1.24594
1.40	1.2587	5.4934	6.7521	34.2046	2.9932	1.21841
1.60	1.2550	5.2524	6.5074	33.3853	3.1919	1.19250
1.80	1.2645	5.0406	6.3052	32.5939	3.3952	1.16773
2.00	1.2938	4.8530	6.1468	31.8182	3.6051	1.14374
2.20	1.3526	4.6867	6.0393	31.0439	3.8244	1.12027

T= 8600

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.6538	49.7322	53.3860	119.2342	-4.9389	3.65428
-6.80	3.5345	47.2582	50.8026	115.1142	-4.7533	3.53504
-6.60	3.3956	44.3995	47.7940	110.6481	-4.5707	3.39521
-6.40	3.2438	41.2513	44.5051	105.9819	-4.3906	3.24450
-6.20	3.0874	38.0267	41.1142	101.2895	-4.2120	3.08812
-6.00	2.9343	34.8578	37.7921	96.7344	-4.0341	2.93497
-5.80	2.7906	31.8334	34.6740	92.4422	-3.8559	2.79126
-5.60	2.6604	29.1872	31.8476	88.4913	-3.6767	2.66107

T = 8600

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-5.40	2.5456	26.8103	29.3559	84.9163	-3.4958	2.54624
-5.20	2.4467	24.7605	27.2072	81.7177	-3.3131	2.44728
-5.00	2.3629	23.0234	25.3863	78.8737	-3.1282	2.36342
-4.80	2.2928	21.5711	23.8639	76.3500	-2.9413	2.29331
-4.60	2.2349	20.3698	22.6047	74.1066	-2.7524	2.23533
-4.40	2.1873	19.3843	21.5716	72.1033	-2.5617	2.18775
-4.20	2.1486	18.5809	20.7295	70.3018	-2.3695	2.14895
-4.00	2.1171	17.9291	20.0462	68.6680	-2.1759	2.11746
-3.80	2.0916	17.4017	19.4933	67.1718	-1.9812	2.09194
-3.60	2.0710	16.9755	19.0465	65.7873	-1.7855	2.07127
-3.40	2.0542	16.6304	18.6846	64.4925	-1.5890	2.05445
-3.20	2.0404	16.3492	18.3896	63.2686	-1.3919	2.04062
-3.00	2.0288	16.1168	18.1456	62.0993	-1.1944	2.02899
-2.80	2.0186	15.9192	17.9379	60.9698	-0.9955	2.01881
-2.60	2.0091	15.7430	17.7521	59.8661	-0.7986	2.00929
-2.40	1.9994	15.5737	17.5731	58.7738	-0.6007	1.99954
-2.20	1.9884	15.3950	17.3833	57.6768	-0.4031	1.98849
-2.00	1.9747	15.1872	17.1618	56.5564	-0.2061	1.97477
-1.80	1.9567	14.9270	16.8837	55.3908	-0.0101	1.95674
-1.60	1.9325	14.5888	16.5213	54.1568	0.1845	1.93253
-1.40	1.9004	14.1484	16.0488	52.8336	0.3772	1.90039
-1.20	1.8593	13.5904	15.4497	51.4094	0.5677	1.85919
-1.00	1.8092	12.9156	14.7248	49.8898	0.7558	1.80899
-0.80	1.7516	12.1445	13.8961	48.2986	0.9418	1.75131
-0.60	1.6894	11.3137	13.0031	46.6754	1.1261	1.68886
-0.40	1.6257	10.4667	12.0924	45.0652	1.3094	1.62486
-0.20	1.5636	9.6436	11.2072	43.5080	1.4925	1.56227
0.0	1.5053	8.8751	10.3804	42.0330	1.6760	1.50330
0.20	1.4523	8.1795	9.6313	40.6567	1.8604	1.44928
0.40	1.4054	7.5647	8.9701	39.3842	2.0461	1.40070
0.60	1.3646	7.0304	8.3950	38.2124	2.2334	1.35745
0.80	1.3300	6.5710	7.9010	37.1326	2.4222	1.31901
1.00	1.3016	6.1778	7.4794	36.1339	2.6128	1.28465
1.20	1.2798	5.8412	7.1210	35.2032	2.8055	1.25355
1.40	1.2654	5.5516	6.8170	34.3279	3.0006	1.22494
1.60	1.2608	5.3003	6.5611	33.4954	3.1990	1.19814
1.80	1.2697	5.0803	6.3500	32.6933	3.4020	1.17263
2.00	1.2983	4.8861	6.1844	31.9087	3.6117	1.14800
2.20	1.3567	4.7144	6.0710	31.1271	3.8308	1.12394

T = 8700

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.7063	50.3076	54.0139	120.3980	-4.9277	3.70682
-6.80	3.5987	48.1112	51.7100	116.5087	-4.7405	3.59934
-6.60	3.4693	45.4671	48.9365	112.2364	-4.5564	3.46998
-6.40	3.3233	42.4818	45.8051	107.6865	-4.3751	3.32398
-6.20	3.1693	39.3119	42.4801	103.0217	-4.1958	3.16900
-6.00	3.0126	36.1264	39.1390	98.4133	-4.0177	3.01332
-5.80	2.8634	33.0726	35.9360	94.0069	-3.8397	2.86412
-5.60	2.7258	30.2567	32.9825	89.9045	-3.6611	2.72558
-5.40	2.6030	27.7400	30.3430	86.1513	-3.4812	2.60368
-5.20	2.4959	25.5462	28.0421	82.7941	-3.2994	2.49658
-5.00	2.4044	23.6711	26.0755	79.7912	-3.1156	2.40505
-4.80	2.3275	22.0929	24.4203	77.1241	-2.9297	2.32803

T = 8700

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	2.2635	20.7806	23.0441	74.7552	-2.7418	2.26398
-4.40	2.2107	19.6996	21.9104	72.6445	-2.5521	2.21122
-4.20	2.1676	18.8157	20.9833	70.7527	-2.3606	2.16807
-4.00	2.1326	18.0968	20.2294	69.0440	-2.1677	2.13296
-3.80	2.1041	17.5143	19.6184	67.4862	-1.9735	2.10449
-3.60	2.0811	17.0433	19.1244	66.0517	-1.7783	2.08142
-3.40	2.0624	16.6622	18.7246	64.7167	-1.5822	2.06269
-3.20	2.0471	16.3526	18.3997	63.4610	-1.3855	2.04735
-3.00	2.0344	16.0984	18.1328	62.2671	-1.1882	2.03460
-2.80	2.0234	15.8851	17.9085	61.1195	-0.9905	2.02363
-2.60	2.0135	15.6989	17.7124	60.0039	-0.7927	2.01367
-2.40	2.0037	15.5258	17.5295	58.9057	-0.5948	2.00386
-2.20	1.9930	15.3500	17.3430	57.8095	-0.3971	1.99317
-2.00	1.9802	15.1530	17.1333	56.6976	-0.1999	1.98034
-1.80	1.9637	14.9130	16.8767	55.5493	-0.0035	1.96381
-1.60	1.9417	14.6047	16.5464	54.3415	0.1916	1.94175
-1.40	1.9123	14.2031	16.1154	53.0521	0.3849	1.91232
-1.20	1.8742	13.6890	15.5632	51.6659	0.5762	1.87411
-1.00	1.8269	13.0571	14.8840	50.1815	0.7651	1.82671
-0.80	1.7715	12.3212	14.0927	48.6169	0.9517	1.77116
-0.60	1.7104	11.5130	13.2234	47.0067	1.1365	1.70984
-0.40	1.6457	10.5743	12.3211	45.3951	1.3200	1.64588
-0.20	1.5837	9.8470	11.4308	43.8241	1.5030	1.58239
0.0	1.5239	9.0649	10.5888	42.3265	1.6863	1.52186
0.20	1.4670	8.3501	9.9191	40.9228	1.8704	1.46591
0.40	1.4200	7.7136	9.3336	39.6215	2.0557	1.41528
0.60	1.3773	7.1576	8.8349	38.4216	2.2424	1.37005
0.80	1.3409	6.6778	8.0187	37.3161	2.4308	1.32980
1.00	1.3109	6.2664	7.5774	36.2945	2.6209	1.29384
1.20	1.2877	5.9142	7.2020	35.3442	2.8132	1.26139
1.40	1.2723	5.6116	6.8839	34.4524	3.0080	1.23165
1.50	1.2658	5.3497	6.6165	33.6063	3.2061	1.20392
1.30	1.2749	5.1210	6.3960	32.7930	3.4089	1.17762
2.00	1.3030	4.9199	6.2229	31.9992	3.6183	1.15231
2.20	1.3607	4.7426	6.1034	31.2100	3.8371	1.12766

T = 8900

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.7515	50.7234	54.4751	121.3914	-4.9175	3.75206
-6.80	3.6559	48.7922	52.4481	117.7435	-4.7287	3.65650
-6.60	3.5371	46.3919	49.9290	113.6862	-4.5430	3.53777
-6.40	3.3986	43.5930	46.9916	109.2897	-4.3604	3.39936
-6.20	3.2471	40.5294	43.7765	104.6955	-4.1802	3.24791
-6.00	3.0908	37.3668	40.4576	100.0736	-4.0016	3.09163
-5.80	2.9376	34.2651	37.2027	95.5842	-3.8237	2.93840
-5.60	2.7837	31.3510	34.1447	91.3508	-3.6455	2.79449
-5.40	2.6532	28.7073	31.3704	87.4510	-3.4663	2.66396
-5.20	2.5481	26.3750	28.9231	83.9195	-3.2854	2.54884
-5.00	2.4488	24.3627	26.8115	80.7573	-3.1027	2.44954
-4.80	2.3647	22.6565	25.0212	77.9433	-2.9179	2.36535
-4.60	2.2943	21.2295	23.5238	75.4441	-2.7310	2.29494
-4.40	2.2361	20.0486	22.2848	73.2206	-2.5422	2.23668
-4.20	2.1894	19.0797	21.2680	71.2332	-2.3515	2.18886
-4.00	2.1494	18.2895	20.4389	69.4446	-2.1593	2.14985

T= 8800

LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-3.80	2.1178	17.5481	19.7659	67.8209	-1.9658	2.11818
-3.60	2.0921	17.1289	19.2210	66.3326	-1.7711	2.09249
-3.40	2.0713	16.7090	18.7803	64.9541	-1.5754	2.07165
-3.20	2.0544	16.3684	18.4229	63.6638	-1.3790	2.05466
-3.00	2.0404	16.0901	18.1305	62.4427	-1.1820	2.04063
-2.80	2.0285	15.8589	17.8874	61.2747	-0.9845	2.02875
-2.60	2.0180	15.6606	17.6785	60.1447	-0.7867	2.01821
-2.40	2.0080	15.4812	17.4892	59.0383	-0.5889	2.00818
-2.20	1.9975	15.3056	17.3031	57.9403	-0.3912	1.99768
-2.00	1.9854	15.1162	17.1017	56.8338	-0.1938	1.98553
-1.80	1.9702	14.8924	16.8625	55.6990	0.0028	1.97026
-1.60	1.9590	14.6099	16.5599	54.5136	0.1984	1.95009
-1.40	1.9231	14.2432	16.1664	53.2548	0.3923	1.92315
-1.20	1.8879	13.7706	15.6585	51.9043	0.5843	1.88781
-1.00	1.8434	13.1814	15.0249	50.4556	0.7740	1.84327
-0.80	1.7904	12.4828	14.2732	48.9200	0.9613	1.79008
-0.60	1.7307	11.7008	13.4316	47.3271	1.1466	1.73021
-0.40	1.6675	10.8748	12.5423	45.7186	1.3304	1.66663
-0.20	1.6039	10.0472	11.6510	44.1377	1.5135	1.60253
0.0	1.5427	9.2544	10.7971	42.6206	1.6966	1.54065
0.20	1.4860	8.5224	10.0084	41.1914	1.8804	1.48290
0.40	1.4351	7.8654	9.3005	39.8620	2.0652	1.43028
0.60	1.3904	7.2881	8.6785	38.6344	2.2515	1.38307
0.80	1.3522	6.7880	8.1401	37.5030	2.4394	1.34097
1.00	1.3206	6.3583	7.6788	36.4582	2.6291	1.30338
1.20	1.2960	5.9901	7.2861	35.4879	2.8209	1.26952
1.40	1.2794	5.6740	6.9535	34.5791	3.0154	1.23860
1.60	1.2730	5.4010	6.6740	33.7189	3.2132	1.20988
1.80	1.2804	5.1634	6.4438	32.8939	3.4157	1.18276
2.00	1.3078	4.9550	6.2628	32.0906	3.6249	1.15676
2.20	1.3649	4.7719	6.1369	31.2935	3.8434	1.13147

T= 8900

LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-7.00	3.7900	50.9962	54.7863	122.2288	-4.9081	3.79055
-6.80	3.7060	49.3179	53.0238	118.8235	-4.7178	3.70661
-6.60	3.5984	47.1685	50.7669	114.9915	-4.5306	3.59912
-6.40	3.4690	44.5817	48.0507	110.7766	-4.3465	3.46979
-6.20	3.3230	41.5615	44.9845	106.2921	-4.1652	3.32385
-6.00	3.1680	38.5611	41.7291	101.6968	-3.9860	3.16895
-5.80	3.0124	35.4455	38.4579	97.1583	-3.8078	3.01334
-5.60	2.8633	32.4585	35.3218	92.8188	-3.6299	2.86422
-5.40	2.7258	29.7039	32.4297	88.7778	-3.4513	2.72673
-5.20	2.6030	27.2418	29.8448	85.0891	-3.2713	2.60387
-5.00	2.4960	25.0952	27.5912	81.7692	-3.0895	2.49679
-4.80	2.4045	23.2603	25.6648	78.8065	-2.9057	2.40526
-4.60	2.3275	21.7158	24.0433	76.1729	-2.7199	2.32823
-4.40	2.2635	20.4312	22.6948	73.8318	-2.5320	2.26417
-4.20	2.2108	19.3730	21.5838	71.7438	-2.3422	2.21139
-4.00	2.1677	18.5075	20.6752	69.8705	-2.1508	2.16821
-3.80	2.1326	17.8035	19.9360	68.1765	-1.9578	2.13306
-3.60	2.1041	17.2328	19.3369	66.6305	-1.7637	2.10454
-3.40	2.0810	16.7710	18.8520	65.2053	-1.5685	2.08142
-3.20	2.0622	16.3969	18.4591	63.8773	-1.3724	2.06260



T = 8900						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-3.00	2.0468	16.7923	18.1391	62.6267	-1.1757	2.04715
-2.80	2.0339	15.8410	17.8749	61.4359	-0.9784	2.03420
-2.60	2.0227	15.6286	17.6513	60.2894	-0.7808	2.02296
-2.40	2.0123	15.4407	17.4531	59.1725	-0.5830	2.01257
-2.20	2.0019	15.2628	17.2647	58.0702	-0.3853	2.00210
-2.00	1.9903	15.0780	17.0683	56.9662	-0.1878	1.99043
-1.80	1.9761	14.8569	16.8429	55.8416	0.0090	1.97618
-1.60	1.9576	14.6062	16.5637	54.6749	0.2050	1.95765
-1.40	1.9329	14.2706	16.2035	53.4433	0.3995	1.93297
-1.20	1.9004	13.8366	15.7370	52.1263	0.5921	1.90036
-1.00	1.8588	13.2891	15.1479	50.7128	0.7825	1.85868
-0.80	1.8083	12.6290	14.4374	49.2081	0.9705	1.80801
-0.60	1.7504	11.8765	13.6270	47.6360	1.1564	1.74988
-0.40	1.6879	11.0672	12.7551	46.0348	1.3406	1.68702
-0.20	1.6240	10.2430	11.8670	44.4481	1.5238	1.62261
0.0	1.5617	9.4428	11.0045	42.9145	1.7068	1.55961
0.20	1.5034	8.6958	10.1992	41.4620	1.8903	1.50020
0.40	1.4505	8.0195	9.4701	40.1059	2.0748	1.44566
0.60	1.4038	7.4216	8.8255	38.8509	2.2606	1.39647
0.80	1.3638	6.9013	8.2651	37.6936	2.4480	1.35251
1.00	1.3305	6.4531	7.7337	36.6253	2.6373	1.31323
1.20	1.3045	6.0687	7.3732	35.6344	2.8287	1.27791
1.40	1.2863	5.7387	7.0255	34.7081	3.0227	1.24575
1.60	1.2733	5.4542	6.7336	33.8332	3.2202	1.21600
1.80	1.2659	5.2072	6.4931	32.9961	3.4224	1.18801
2.00	1.2626	4.9912	6.3038	32.1827	3.6314	1.16126
2.20	1.2622	4.8020	6.1712	31.3774	3.8497	1.13532

T = 9000						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.8725	51.1443	54.9668	122.9475	-4.8996	3.82302
-6.80	3.7494	49.7704	53.4498	119.7594	-4.7079	3.75002
-6.60	3.6532	47.7995	51.4526	116.1530	-4.5192	3.65392
-6.40	3.5339	45.4408	48.9747	112.1387	-4.3336	3.53472
-6.20	3.3951	42.6948	46.0899	107.7966	-4.1510	3.39599
-6.00	3.2434	39.6936	42.9371	103.2666	-3.9709	3.24442
-5.80	3.0872	36.5994	39.6866	98.7147	-3.7923	3.08820
-5.60	2.9342	33.5678	36.5020	94.2969	-3.6144	2.93520
-5.40	2.7906	30.7217	33.5123	90.1331	-3.4362	2.79161
-5.20	2.6605	28.1412	30.8014	86.2978	-3.2569	2.66145
-5.00	2.5458	25.8555	28.4114	82.8241	-3.0761	2.54671
-4.80	2.4469	23.9028	26.3497	79.7124	-2.8933	2.44775
-4.60	2.3631	22.2390	24.6020	76.9416	-2.7084	2.36388
-4.40	2.2930	20.8475	23.1405	74.4786	-2.5215	2.29374
-4.20	2.2350	19.6962	21.9313	72.2852	-2.3326	2.23571
-4.00	2.1875	18.7515	20.9389	70.3225	-2.1420	2.18808
-3.80	2.1487	17.9810	20.1297	68.5539	-1.9497	2.14922
-3.60	2.1171	17.3554	19.4726	66.9464	-1.7561	2.11764
-3.40	2.0916	16.8488	18.9404	65.4709	-1.5614	2.09202
-3.20	2.0708	16.4386	18.5094	64.1024	-1.3658	2.07120
-3.00	2.0538	16.1053	18.1591	62.8195	-1.1693	2.05418
-2.80	2.0397	15.8310	17.8717	61.6037	-0.9723	2.04004
-2.60	2.0277	15.6033	17.6309	60.4386	-0.7749	2.02795
-2.40	2.0168	15.4049	17.4218	59.3090	-0.5772	2.01706

T = 9000						
LOG RHO	Z	C/RT	H/RT	S/R	LOG P	Z*
-2.20	2.0063	15.2223	17.2286	58.2001	-0.3795	2.00647
-2.00	1.9949	15.0394	17.0343	57.0958	-0.1820	1.99511
-1.80	1.9815	14.8376	16.8191	55.9782	0.0151	1.98166
-1.60	1.9644	14.5948	16.5592	54.8267	0.2113	1.96452
-1.40	1.9418	14.2863	16.2291	53.6186	0.4063	1.94185
-1.20	1.9118	13.8875	15.7993	52.3321	0.5995	1.91177
-1.00	1.8730	13.3799	15.2529	50.9527	0.7906	1.87288
-0.80	1.8251	12.7588	14.5839	49.4797	0.9794	1.82482
-0.60	1.7692	12.0380	13.8072	47.9311	1.1659	1.76867
-0.40	1.7077	11.2488	12.9565	46.3412	1.3505	1.70683
-0.20	1.6438	10.4320	12.0758	44.7527	1.5339	1.64243
0.0	1.5806	9.6277	11.2084	43.2061	1.7169	1.57855
0.20	1.5208	8.8682	10.3891	41.7326	1.9002	1.51766
0.40	1.4662	8.1745	9.6407	40.3514	2.0843	1.46130
0.60	1.4176	7.5569	8.9745	39.0700	2.2697	1.41019
0.80	1.3757	7.0169	8.3926	37.8870	2.4566	1.36437
1.00	1.3408	6.5502	7.8910	36.7952	2.6455	1.32339
1.20	1.3133	6.1494	7.4627	35.7835	2.8365	1.28657
1.40	1.2944	5.8053	7.0997	34.8394	3.0301	1.25313
1.60	1.2859	5.5090	6.7949	33.9494	3.2273	1.22230
1.80	1.2916	5.2523	6.5439	33.0998	3.4292	1.19341
2.00	1.3176	5.0284	6.3460	32.2761	3.6379	1.16589
2.20	1.3735	4.8328	6.2064	31.4622	3.8559	1.13927

T = 9100						
LOG RHO	Z	C/RT	H/RT	S/R	LOG P	Z*
-7.00	3.8496	51.1862	55.0359	123.5550	-4.8917	3.85020
-6.80	3.7856	49.9546	53.7412	120.5643	-4.6988	3.78726
-6.60	3.7015	48.2915	51.9930	117.1762	-4.5087	3.70229
-6.40	3.5929	46.1577	49.7606	113.3719	-4.3217	3.59381
-6.20	3.4627	43.6192	47.0819	109.1981	-4.1377	3.46367
-6.00	3.3162	40.7506	44.0668	104.7682	-3.9565	3.31724
-5.80	3.1511	37.7128	40.8739	100.2387	-3.7773	3.16222
-5.60	3.0057	34.6668	37.6725	95.7730	-3.5991	3.00685
-5.40	2.8571	31.7517	34.6088	91.5083	-3.4212	2.85820
-5.20	2.7203	29.0671	31.7874	87.5399	-3.2425	2.72134
-5.00	2.5982	26.6701	29.2683	83.9189	-3.0624	2.59918
-4.80	2.4918	24.5821	27.0739	80.6595	-2.8806	2.49279
-4.60	2.4010	22.7382	25.1992	77.7497	-2.6967	2.40191
-4.40	2.3246	21.2973	23.6220	75.1613	-2.5107	2.32546
-4.20	2.2611	20.0496	22.3107	72.8581	-2.3228	2.26190
-4.00	2.2088	19.0218	21.2306	70.8015	-2.1329	2.20954
-3.80	2.1661	18.1813	20.3473	68.9539	-1.9414	2.16670
-3.60	2.1313	17.4974	19.6287	67.2809	-1.7485	2.13183
-3.40	2.1030	16.9430	19.0460	65.7518	-1.5543	2.10352
-3.20	2.0801	16.4940	18.5740	64.3398	-1.3590	2.08053
-3.00	2.0614	16.1297	18.1910	63.0220	-1.1629	2.06178
-2.80	2.0459	15.8321	17.8780	61.7788	-0.9662	2.04631
-2.60	2.0329	15.5853	17.6182	60.5929	-0.7690	2.03324
-2.40	2.0214	15.3745	17.3959	59.4486	-0.5714	2.02173
-2.20	2.0106	15.1851	17.1957	58.3308	-0.3738	2.01087
-2.00	1.9994	15.0015	17.0010	57.2239	-0.1762	1.99964
-1.80	1.9866	14.8061	16.7928	55.1106	0.0210	1.98681
-1.60	1.9707	14.5779	16.5486	54.0710	0.2175	1.97084

T= 9100

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-1.40	1.9499	14.2929	16.2428	53.7830	0.4129	1.94994
-1.20	1.9222	13.9260	15.8482	52.5243	0.6767	1.92221
-1.00	1.8951	13.4562	15.3424	51.1772	0.7985	1.88602
-0.80	1.8409	12.8738	14.7147	49.7363	0.9879	1.84063
-0.60	1.7872	12.1866	13.9738	48.2135	1.1751	1.78665
-0.40	1.7270	11.4209	13.1479	46.6385	1.3602	1.72612
-0.20	1.6534	10.5150	12.2784	45.0519	1.5439	1.66202
0.0	1.5736	9.3099	11.4096	43.4956	1.7269	1.59754
0.20	1.5386	9.0405	10.5790	42.0937	1.9100	1.53534
0.40	1.4822	8.3309	9.8131	40.5989	2.0938	1.47727
0.60	1.4318	7.6946	9.1264	39.2919	2.2788	1.42429
0.80	1.3881	7.1352	8.5233	38.0835	2.4653	1.37659
1.00	1.3514	6.6502	8.0015	36.9679	2.6537	1.33388
1.20	1.3225	6.2327	7.5552	35.9351	2.8443	1.29553
1.40	1.3022	5.8743	7.1765	34.9727	3.0376	1.26077
1.60	1.2727	5.5658	6.8585	34.0672	3.2344	1.22892
1.80	1.2475	5.2990	6.5965	33.2047	3.4360	1.19898
2.00	1.3227	5.0669	6.3896	32.3702	3.6444	1.17065
2.20	1.3780	4.8647	6.2427	31.5475	3.8621	1.14332

T= 9200

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.8722	51.1392	55.0114	124.0672	-4.8844	3.87279
-6.80	3.8182	50.7954	53.9136	121.2518	-4.6905	3.81889
-6.60	3.7437	48.5538	52.3974	118.0582	-4.4991	3.74445
-6.40	3.6460	46.7630	50.4089	114.4750	-4.3105	3.64686
-6.20	3.5253	44.4268	47.9521	110.4869	-4.1252	3.52630
-6.00	3.3855	41.7186	45.1041	106.1869	-3.9427	3.38659
-5.80	3.2334	38.7705	42.0039	101.7144	-3.7627	3.23455
-5.60	3.0772	35.7416	38.8188	97.2324	-3.5842	3.07840
-5.40	2.9247	32.7825	35.7072	92.8917	-3.4063	2.92591
-5.20	2.7819	30.0111	32.7931	88.8069	-3.2280	2.78314
-5.00	2.6528	27.5029	30.1557	85.0475	-3.0486	2.65395
-4.80	2.5391	25.2943	27.8334	81.6442	-2.8677	2.54023
-4.60	2.4412	23.3913	25.8326	78.5951	-2.6847	2.44227
-4.40	2.3584	21.7795	24.1378	75.8787	-2.4997	2.35930
-4.20	2.2891	20.4324	22.7215	73.4620	-2.3127	2.28995
-4.00	2.2318	19.3183	21.5501	71.3074	-2.1237	2.23262
-3.80	2.1848	18.4043	20.5891	69.3769	-1.9329	2.18556
-3.60	2.1465	17.6590	19.8055	67.6345	-1.7406	2.14716
-3.40	2.1154	17.0537	19.1691	66.0482	-1.5470	2.11595
-3.20	2.0901	16.5533	18.6534	64.5897	-1.3522	2.09061
-3.00	2.0695	16.1557	18.2352	63.2345	-1.1565	2.06997
-2.80	2.0526	15.8418	17.8944	61.9616	-0.9600	2.05303
-2.60	2.0385	15.5750	17.6134	60.7528	-0.7630	2.03887
-2.40	2.0263	15.3498	17.3760	59.5918	-0.5657	2.02660
-2.20	2.0150	15.1516	17.1666	58.4631	-0.3681	2.01534
-2.00	2.0038	14.9652	16.9690	57.3512	-0.1705	2.00409
-1.80	1.9915	14.7734	16.7649	56.2395	0.0268	1.99168
-1.60	1.9765	14.5565	16.5330	55.1088	0.2235	1.97667
-1.40	1.9572	14.2913	16.2486	53.9377	0.4193	1.95731
-1.20	1.9317	13.9528	15.8845	52.7034	0.6136	1.93170
-1.00	1.8992	13.5182	15.4163	51.3866	0.8050	1.89806
-0.80	1.8556	12.9735	14.8291	49.9773	0.9961	1.85533

T= 9200

LOG RHO	Z	E/RT	-I/RT	S/R	LOG P	Z*
-0.60	1.8042	12.3209	14.1251	48.4817	1.1839	1.80366
-0.40	1.7455	11.5812	13.3267	46.9244	1.3696	1.74469
-0.20	1.6825	10.7896	12.4722	45.3435	1.5536	1.68119
0.0	1.6185	9.9871	11.6055	43.7809	1.7367	1.61635
0.20	1.5563	9.2104	10.7667	42.2733	1.9197	1.55306
0.40	1.4994	8.4870	9.9854	40.8468	2.1033	1.49341
0.60	1.4462	7.8332	9.2794	39.5152	2.2879	1.43862
0.80	1.4006	7.2552	8.6558	38.2820	2.4740	1.38909
1.00	1.3623	6.7520	8.1143	37.1430	2.6619	1.34464
1.20	1.3318	6.3180	7.6498	36.0890	2.8521	1.30472
1.40	1.3102	5.9450	7.2552	35.1080	3.0450	1.26860
1.60	1.2996	5.6241	6.9237	34.1867	3.2414	1.23549
1.80	1.3035	5.3470	6.6505	33.3109	3.4427	1.20467
2.00	1.3290	5.1064	6.4344	32.4653	3.6508	1.17550
2.20	1.3826	4.8973	6.2799	31.6335	3.8683	1.14743

T= 9300

LOG RHO	Z	E/RT	-I/RT	S/R	LOG P	Z*
-7.00	3.8910	51.0193	54.9102	124.4994	-4.8776	3.89150
-6.80	3.8449	50.1391	53.9841	121.8374	-4.6828	3.84559
-6.60	3.7901	48.8992	52.6793	118.8410	-4.4902	3.78090
-6.40	3.6930	47.2326	50.9256	115.4528	-4.3003	3.69397
-6.20	3.5825	45.1155	48.6991	111.6596	-4.1135	3.58357
-6.00	3.4507	42.5892	46.0399	107.5132	-3.9298	3.45187
-5.80	3.3032	39.7608	43.0641	103.1293	-3.7487	3.30448
-5.60	3.1479	36.7803	39.9282	98.6631	-3.5696	3.14921
-5.40	2.9929	33.8042	36.7971	94.2733	-3.3916	2.99424
-5.20	2.8452	30.9558	33.8109	90.0910	-3.2136	2.84648
-5.00	2.7095	28.3589	31.0684	86.2055	-3.0348	2.71081
-4.80	2.5888	26.0364	28.6251	82.6636	-2.8546	2.58998
-4.60	2.4838	24.0166	26.5003	79.4765	-2.6725	2.48492
-4.40	2.3942	22.2932	24.6874	76.6306	-2.4885	2.39529
-4.20	2.3190	20.8446	23.1635	74.0973	-2.3024	2.31995
-4.00	2.2565	19.6412	21.8976	71.8409	-2.1142	2.25737
-3.80	2.2050	18.6504	20.8555	69.8233	-1.9242	2.20584
-3.60	2.1629	17.8404	20.0034	68.0079	-1.7326	2.16369
-3.40	2.1287	17.1815	19.3101	66.3610	-1.5395	2.12937
-3.20	2.1009	16.6470	18.7478	64.8529	-1.3453	2.10149
-3.00	2.0783	16.2137	18.2927	63.4575	-1.1500	2.07881
-2.80	2.0598	15.8615	17.9213	62.1527	-0.9538	2.06026
-2.60	2.0444	15.5727	17.6171	60.9189	-0.7571	2.04486
-2.40	2.0313	15.3313	17.3626	59.7391	-0.5599	2.03172
-2.20	2.0196	15.1224	17.1423	58.5975	-0.3624	2.01992
-2.00	2.0092	14.9313	16.9392	57.4787	-0.1648	2.00851
-1.80	1.9961	14.7405	16.7366	56.3661	0.0325	1.99636
-1.60	1.9819	14.5319	16.5139	55.2415	0.2294	1.98210
-1.40	1.9639	14.2832	16.2471	54.0840	0.4255	1.96406
-1.20	1.9403	13.9696	15.9099	52.8712	0.6202	1.94035
-1.00	1.9092	13.5672	15.4764	51.5820	0.8132	1.90910
-0.80	1.8692	13.0587	14.9279	50.2032	1.0040	1.86896
-0.60	1.8202	12.4410	14.2612	48.7357	1.1924	1.81969
-0.40	1.7633	11.7294	13.4927	47.1987	1.3787	1.76249
-0.20	1.7012	10.9552	12.6564	45.6267	1.5631	1.69985
0.0	1.6371	10.1583	11.7954	44.0612	1.7464	1.63493

T= 9300						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
0.20	1.5740	9.3772	10.9513	42.5408	1.9293	1.57075
0.40	1.5147	8.6421	10.1568	41.0947	2.1127	1.50968
0.60	1.4608	7.9722	9.4330	39.7399	2.2969	1.45316
0.80	1.4135	7.3764	8.7899	38.4825	2.4826	1.40183
1.00	1.3734	6.8555	8.2289	37.3202	2.6701	1.35564
1.20	1.3414	6.4049	7.7463	36.2449	2.8599	1.31414
1.40	1.3185	6.0172	7.3357	35.2451	3.0524	1.27662
1.60	1.3057	5.6838	6.9905	34.3077	3.2485	1.24231
1.80	1.3006	5.3961	6.7057	33.4182	3.4495	1.21047
2.00	1.3333	5.1468	6.4801	32.5614	3.6573	1.18042
2.20	1.3872	4.9306	6.3178	31.7202	3.8745	1.15160

T= 9400						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9064	50.8406	54.7470	124.8656	-4.8712	3.90696
-6.80	3.8673	50.1013	53.9686	122.3358	-4.6756	3.86799
-6.60	3.8113	49.0415	52.8528	119.5073	-4.4819	3.81214
-6.40	3.7345	47.5853	51.3197	116.3127	-4.2908	3.73540
-6.20	3.6343	45.6868	49.3211	112.7167	-4.1026	3.63538
-6.00	3.5114	43.3568	46.8683	108.7406	-3.9175	3.51266
-5.80	3.3701	40.6740	44.0440	104.4726	-3.7354	3.37139
-5.60	3.2172	37.7717	40.9889	100.0533	-3.5555	3.21864
-5.40	3.0612	34.8064	37.8675	95.6424	-3.3771	3.06262
-5.20	2.9095	31.9229	34.8324	91.3845	-3.1992	2.91096
-5.00	2.7691	29.2324	32.0004	87.3869	-3.0208	2.76949
-4.80	2.6405	26.8046	29.4451	83.7144	-2.8413	2.64188
-4.60	2.5285	24.6718	27.2003	80.3921	-2.6601	2.52979
-4.40	2.4322	22.8374	25.2696	77.4161	-2.4770	2.43341
-4.20	2.3508	21.2859	23.6366	74.7639	-2.2918	2.35190
-4.00	2.2828	19.9905	22.2733	72.4021	-2.1045	2.28384
-3.80	2.2266	18.9200	21.1467	70.2937	-1.9154	2.22760
-3.60	2.1806	18.0422	20.2228	68.4015	-1.7244	2.18146
-3.40	2.1430	17.3266	19.4697	66.6907	-1.5320	2.14382
-3.20	2.1125	16.7454	18.8579	65.1299	-1.3382	2.11321
-3.00	2.0877	16.2742	18.3619	63.6917	-1.1433	2.08833
-2.80	2.0675	15.8915	17.9590	62.3525	-0.9476	2.06802
-2.60	2.0508	15.5788	17.6295	61.0916	-0.7511	2.05126
-2.40	2.0367	15.3195	17.3561	59.8912	-0.5541	2.03712
-2.20	2.0243	15.0982	17.1225	58.7349	-0.3567	2.02467
-2.00	2.0126	14.8998	16.9124	57.6070	-0.1592	2.01297
-1.80	2.0006	14.7084	16.7090	56.4914	0.0381	2.00093
-1.60	1.9970	14.5056	16.4926	55.3704	0.2352	1.98724
-1.40	1.9702	14.2703	16.2405	54.2238	0.4315	1.97031
-1.20	1.9482	13.9785	15.9267	53.0295	0.6266	1.94830
-1.00	1.9193	13.6055	15.5248	51.7657	0.8201	1.91928
-0.80	1.8819	13.1316	15.0135	50.4161	1.0116	1.88167
-0.60	1.8353	12.5488	14.3842	48.9771	1.2007	1.83486
-0.40	1.7804	11.8669	13.6473	47.4624	1.3875	1.77961
-0.20	1.7195	11.1129	12.8324	45.9023	1.5724	1.71809
0.0	1.6555	10.3249	11.9803	44.3371	1.7559	1.65335
0.20	1.5918	9.5421	11.1339	42.8067	1.9389	1.58851
0.40	1.5312	8.7973	10.3285	41.3430	2.1220	1.52615
0.60	1.4757	8.1126	9.5884	39.9662	2.3060	1.46800
0.80	1.4266	7.4997	8.9264	38.6853	2.4913	1.41490

T = 9400						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
1.00	1.3849	6.9514	8.3463	37.4998	2.6784	1.36697
1.20	1.3513	6.4943	7.8456	36.4031	2.8677	1.32385
1.40	1.3270	6.0918	7.4188	35.3843	3.0598	1.28490
1.60	1.3140	5.7454	7.0595	34.4303	3.2556	1.24936
1.80	1.3160	5.4469	6.7628	33.5269	3.4562	1.21645
2.00	1.3388	5.1886	6.5274	32.6583	3.6637	1.18550
2.20	1.3919	4.9651	6.3570	31.8074	3.8806	1.15589

T = 9500						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9191	50.6149	54.5340	125.1767	-4.8652	3.91969
-6.80	3.9860	49.9954	53.8814	122.7595	-4.6689	3.88671
-6.60	3.8379	49.0939	52.9318	120.0788	-4.4743	3.83872
-6.40	3.7705	47.8306	51.6011	117.0629	-4.2820	3.77147
-6.20	3.6806	46.1440	49.8246	113.5597	-4.0925	3.68170
-6.00	3.5673	44.0177	47.5849	109.9637	-3.9061	3.56856
-5.80	3.4333	41.5004	44.9336	105.7338	-3.7227	3.43466
-5.60	3.2845	38.7038	41.9883	101.3900	-3.5420	3.28595
-5.40	3.1288	35.7772	38.9060	96.9866	-3.3630	3.13039
-5.20	2.9745	32.8723	35.8468	92.5766	-3.1850	2.97604
-5.00	2.8280	30.1154	32.9434	88.5838	-3.0069	2.82959
-4.80	2.6942	27.5932	30.2874	84.7908	-2.8280	2.69567
-4.60	2.5753	25.3532	27.9285	81.3380	-2.6476	2.57675
-4.40	2.4722	23.4098	25.8820	78.2331	-2.4653	2.47359
-4.20	2.3845	21.7547	24.1392	75.4603	-2.2810	2.38576
-4.00	2.3109	20.3655	22.6763	72.9905	-2.0946	2.31203
-3.80	2.2498	19.2126	21.4624	70.7880	-1.9063	2.25085
-3.60	2.1995	18.2642	20.4637	68.8156	-1.7161	2.20050
-3.40	2.1585	17.4892	19.6476	67.0374	-1.5243	2.15934
-3.20	2.1250	16.8587	18.9837	65.4210	-1.3311	2.12582
-3.00	2.0979	16.3472	18.4450	63.9373	-1.1366	2.09856
-2.80	2.0757	15.9320	18.0077	62.5613	-0.9413	2.07635
-2.60	2.0575	15.5936	17.6511	61.2713	-0.7451	2.05810
-2.40	2.0423	15.3146	17.3569	60.0484	-0.5483	2.04284
-2.20	2.0292	15.0792	17.1083	58.8756	-0.3511	2.02963
-2.00	2.0171	14.8721	16.8893	57.7369	-0.1537	2.01751
-1.80	2.0051	14.6777	16.6828	56.6163	0.0437	2.00543
-1.60	1.9919	14.4783	16.4792	55.4965	0.2408	1.99216
-1.40	1.9760	14.2538	16.2297	54.3582	0.4374	1.97616
-1.20	1.9555	13.9807	15.9362	53.1796	0.6328	1.95564
-1.00	1.9287	13.6343	15.5630	51.9386	0.8268	1.92866
-0.80	1.8937	13.1930	15.0867	50.6168	1.0189	1.89348
-0.60	1.8496	12.6447	14.4943	49.2063	1.2087	1.84915
-0.40	1.7968	11.9937	13.7905	47.7153	1.3961	1.79600
-0.20	1.7372	11.2623	12.9995	46.1701	1.5814	1.73584
0.0	1.6737	10.4860	12.1597	44.6083	1.7652	1.67153
0.20	1.6096	9.7743	11.3138	43.0707	1.9483	1.60625
0.40	1.5479	8.9519	10.4998	41.5915	2.1313	1.54278
0.60	1.4909	8.2541	9.7450	40.1942	2.3150	1.48309
0.80	1.4401	7.6249	9.0651	38.8905	2.5000	1.42926
1.00	1.3967	7.0695	8.4662	37.6822	2.6867	1.37859
1.20	1.3615	6.5860	7.9474	36.5639	2.8755	1.33384
1.40	1.3357	6.1684	7.5042	35.5258	3.0673	1.29342
1.60	1.3215	5.8090	7.1305	34.5550	3.2627	1.25659

T = 9500						
LOG RHO	Z	E/RT	-I/RT	S/R	LOG P	Z*
1.30	1.3225	5.4992	6.8217	33.6371	3.4630	1.22258
2.00	1.3444	5.2317	6.5761	32.7565	3.6701	1.19068
2.20	1.3968	5.0005	6.3973	31.8956	3.8867	1.16025

T = 9600						
LOG RHO	Z	E/RT	-I/RT	S/R	LOG P	Z*
-7.00	3.9296	57.3525	54.2822	125.4430	-4.8595	3.93018
-6.30	3.9016	49.9342	53.7359	123.1211	-4.6626	3.90231
-5.60	3.8694	49.0702	52.9306	120.5692	-4.4672	3.86127
-6.40	3.8717	47.9809	51.7926	117.7149	-4.2739	3.80267
-6.20	3.7216	45.4947	50.2163	114.4955	-4.0831	3.72277
-6.00	3.6132	44.5731	48.1913	110.8930	-3.8954	3.61949
-5.90	3.4924	42.2358	45.7283	106.9077	-3.7107	3.49390
-5.60	3.3471	39.5688	42.7178	102.6648	-3.5289	3.35054
-5.40	3.1954	36.7078	39.9031	98.2968	-3.3493	3.19703
-5.20	3.0396	33.8061	36.8456	93.9595	-3.1711	3.04128
-5.00	2.8891	31.0018	33.8909	89.7905	-2.9931	2.89082
-4.80	2.7495	29.3982	31.1477	85.8888	-2.8146	2.75116
-4.60	2.6241	26.0581	28.6822	82.3121	-2.6349	2.62568
-4.40	2.5143	24.0088	26.5231	79.0804	-2.4535	2.51581
-4.20	2.4201	22.2505	24.6707	76.1965	-2.2707	2.42155
-4.00	2.3407	20.7661	23.1067	73.6064	-2.0845	2.34199
-3.80	2.2744	19.5285	21.9029	71.3067	-1.8970	2.27565
-3.60	2.2198	18.5068	21.7266	69.2506	-1.7076	2.22088
-3.40	2.1750	17.6696	19.8446	67.4019	-1.5164	2.17597
-3.20	2.1334	16.9873	19.1258	65.7267	-1.3238	2.13935
-3.00	2.1037	16.4331	18.5419	64.1949	-1.1298	2.10955
-2.80	2.0845	15.9834	18.0679	62.7798	-0.9349	2.08529
-2.60	2.0648	15.6174	17.6821	61.4585	-0.7390	2.06542
-2.40	2.0493	15.3170	17.3653	60.2112	-0.5425	2.04891
-2.20	2.0343	15.0658	17.1001	59.0200	-0.3455	2.03481
-2.00	2.0217	14.8484	16.8701	57.8687	-0.1482	2.02216
-1.80	2.0095	14.6490	16.6585	56.7411	0.0492	2.00991
-1.60	1.9966	14.4508	16.4474	55.6204	0.2464	1.99689
-1.40	1.9814	14.2343	16.2157	54.4878	0.4431	1.98163
-1.20	1.9623	13.9769	15.9391	53.3222	0.6389	1.96240
-1.00	1.9373	13.6541	15.5914	52.1013	0.8333	1.93727
-0.80	1.9046	13.2429	15.1475	50.8052	1.0259	1.90438
-0.60	1.8529	12.7779	14.5908	49.4223	1.2163	1.86249
-0.40	1.8123	12.1083	13.9204	47.9562	1.4044	1.81154
-0.20	1.7543	11.4014	13.1557	46.4279	1.5902	1.75293
0.0	1.6915	10.5395	12.3317	44.8726	1.7744	1.68031
0.20	1.6272	9.8617	11.4888	43.3306	1.9576	1.62382
0.40	1.5646	9.1042	10.6688	41.8384	2.1405	1.55942
0.60	1.5062	8.3949	9.9010	40.4223	2.3240	1.49832
0.80	1.4538	7.7505	9.2044	39.0968	2.5086	1.44183
1.00	1.4087	7.1788	8.5874	37.8662	2.6949	1.39045
1.20	1.3719	6.6791	8.0510	36.7266	2.8834	1.34406
1.40	1.3447	6.2466	7.5913	35.6691	3.0747	1.30215
1.60	1.3293	5.8739	7.2032	34.6812	3.2697	1.26401
1.80	1.3291	5.5528	6.8820	33.7497	3.4697	1.22887
2.00	1.3502	5.2758	6.6259	32.8557	3.6765	1.19600
2.20	1.4017	5.0368	6.4385	31.9845	3.8928	1.16472

T= 9700

LOG RHO	Z	E/RT	1/RT	S/R	LOG P	Z*
-7.00	3.9383	50.0517	54.0000	125.6725	-4.8541	3.93881
-6.80	3.9146	49.6284	53.5430	123.4306	-4.6567	3.91528
-6.60	3.8794	48.9825	52.8618	120.9895	-4.4606	3.88021
-6.40	3.8285	48.0476	51.8761	118.2792	-4.2663	3.82945
-6.20	3.7577	46.7470	50.5047	115.2311	-4.0744	3.75884
-6.00	3.6641	45.0255	48.6897	111.7999	-3.8854	3.66540
-5.80	3.5473	42.8767	46.4240	107.9897	-3.6995	3.54878
-5.60	3.4105	40.3585	43.7690	103.8688	-3.5166	3.41216
-5.40	3.2501	37.5982	40.8484	99.5622	-3.3361	3.26192
-5.20	3.1043	34.7145	37.8188	95.2230	-3.1574	3.10613
-5.00	2.9509	31.9935	34.8344	90.9980	-2.9794	2.95271
-4.80	2.8062	29.2132	32.0194	87.0024	-2.8012	2.80804
-4.60	2.6746	26.7823	29.4570	83.3101	-2.6221	2.67639
-4.40	2.5583	24.6317	27.1900	79.9552	-2.4414	2.55994
-4.20	2.4577	22.7716	25.2293	76.9408	-2.2588	2.45923
-4.00	2.3722	21.1912	23.5634	74.2489	-2.0742	2.37368
-3.80	2.3006	19.8671	22.1678	71.8494	-1.8875	2.30201
-3.60	2.2414	18.7697	21.0111	69.7067	-1.6989	2.24260
-3.40	2.1926	17.8679	20.0605	67.7843	-1.5084	2.19376
-3.20	2.1528	17.1313	19.2841	66.0475	-1.3164	2.15384
-3.00	2.1204	16.5322	18.6526	64.4647	-1.1230	2.12132
-2.80	2.0940	16.0458	18.1398	63.0081	-0.9284	2.09486
-2.60	2.0725	15.6504	17.7229	61.6535	-0.7329	2.07323
-2.40	2.0547	15.3269	17.3816	60.3798	-0.5366	2.05536
-2.20	2.0397	15.0583	17.0980	59.1686	-0.3398	2.04026
-2.00	2.0264	14.8288	16.8553	58.0029	-0.1426	2.02695
-1.80	2.0140	14.6228	16.6368	56.8666	0.0547	2.01442
-1.60	2.0011	14.4237	16.4249	55.7430	0.2519	2.00150
-1.40	1.9865	14.2128	16.1993	54.6137	0.4487	1.98681
-1.20	1.9695	13.9683	15.9369	53.4584	0.6448	1.96868
-1.00	1.9452	13.5662	15.6113	52.2549	0.8395	1.94520
-0.80	1.9146	13.2825	15.1971	50.9822	1.0327	1.91444
-0.60	1.8753	12.7993	14.6746	49.5260	1.2237	1.87492
-0.40	1.8270	12.2111	14.0381	48.1849	1.4124	1.82622
-0.20	1.7707	11.5301	13.3008	46.6754	1.5988	1.76933
0.0	1.7088	10.7851	12.4939	45.1291	1.7833	1.70661
0.20	1.6445	10.0137	11.6583	43.5855	1.9667	1.64115
0.40	1.5812	9.2535	10.8347	42.0826	2.1496	1.57601
0.60	1.5215	8.5345	10.0560	40.6494	2.3329	1.51363
0.80	1.4676	7.8764	9.3440	39.3033	2.5172	1.45556
1.00	1.4209	7.2889	8.7097	38.0510	2.7032	1.40251
1.20	1.3825	6.7734	8.1559	36.8904	2.8913	1.35449
1.40	1.3539	6.3261	7.6800	35.8134	3.0822	1.31107
1.60	1.3372	5.9401	7.2773	34.8083	3.2768	1.27160
1.80	1.3359	5.6076	6.9435	33.8610	3.4764	1.23530
2.00	1.3560	5.3208	6.6759	32.9554	3.6829	1.20142
2.20	1.4068	5.0739	6.4807	32.0737	3.8988	1.16927

T= 9800

LOG RHO	Z	E/RT	1/RT	S/R	LOG P	Z*
-7.00	3.9454	49.7494	53.6948	125.8720	-4.8488	3.94593
-6.80	3.9254	49.3870	53.3124	123.6970	-4.6510	3.92606
-6.60	3.8954	48.8418	52.7372	121.3506	-4.4544	3.89617
-6.40	3.8514	48.0425	51.8938	118.7668	-4.2593	3.85235



T= 9800						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-6.20	3.7891	46.9109	50.7000	115.8752	-4.0664	3.79031
-6.00	3.7750	45.3806	49.0857	112.6185	-3.8761	3.70643
-5.80	3.5976	43.4227	47.0203	108.9783	-3.6889	3.59912
-5.60	3.4684	41.0679	44.5362	104.9957	-3.5048	3.47010
-5.40	3.3227	38.4105	41.7332	100.7742	-3.3234	3.32456
-5.20	3.1631	35.5890	38.7571	96.4580	-3.1441	3.17008
-5.00	3.0129	32.7528	35.7657	92.1987	-2.9659	3.01485
-4.80	2.8640	30.0322	32.8962	88.1252	-2.7879	2.86600
-4.60	2.7267	27.5214	30.2482	84.3276	-2.6093	2.72867
-4.40	2.6040	25.2757	27.8797	80.8550	-2.4293	2.60587
-4.20	2.4970	23.3163	25.8132	77.7218	-2.2475	2.49875
-4.00	2.4055	21.6400	24.0455	74.9174	-2.0637	2.40712
-3.80	2.3284	20.2281	22.5565	72.4160	-1.8779	2.32993
-3.60	2.2643	19.0530	21.3173	70.1838	-1.6900	2.26569
-3.40	2.2114	18.0841	20.2955	68.1848	-1.5002	2.21271
-3.20	2.1692	17.2908	19.4599	66.3835	-1.3088	2.16931
-3.00	2.1329	16.6445	18.7774	64.7471	-1.1160	2.13391
-2.80	2.1041	16.1194	18.2236	63.2467	-0.9218	2.10509
-2.60	2.0807	15.6928	17.7735	61.8566	-0.7267	2.08157
-2.40	2.0615	15.3446	17.4060	60.5549	-0.5307	2.06222
-2.20	2.0453	15.0571	17.1024	59.3218	-0.3342	2.04601
-2.00	2.0313	14.8140	16.8454	58.1401	-0.1371	2.03194
-1.80	2.0185	14.5998	16.6182	56.9934	0.0601	2.01899
-1.60	2.0056	14.3979	16.4035	55.8649	0.2573	2.00605
-1.40	1.9914	14.1904	16.1818	54.7370	0.4542	1.99177
-1.20	1.9743	13.9564	15.9307	53.5997	0.6505	1.97457
-1.00	1.9525	13.6723	15.6247	52.4412	0.8457	1.95256
-0.80	1.9239	13.3138	15.2377	51.1499	1.0393	1.92378
-0.60	1.8869	12.8608	14.7477	49.8190	1.2308	1.88657
-0.40	1.8409	12.3037	14.1447	48.4033	1.4201	1.84016
-0.20	1.7865	11.6500	13.4365	46.9141	1.6071	1.78513
0.0	1.7257	10.9240	12.6497	45.3792	1.7920	1.72353
0.20	1.6617	10.1617	11.8234	43.8369	1.9756	1.65832
0.40	1.5979	9.4009	10.9988	42.3257	2.1586	1.59263
0.60	1.5371	8.6740	10.2111	40.8771	2.3418	1.52911
0.80	1.4817	8.0033	9.4850	39.5116	2.5258	1.46955
1.00	1.4333	7.4007	8.8341	38.2381	2.7114	1.41485
1.20	1.3934	6.8697	8.2631	37.0566	2.8991	1.36519
1.40	1.3633	6.4076	7.7709	35.9601	3.0897	1.32026
1.60	1.3453	6.0082	7.3535	34.9376	3.2839	1.27941
1.80	1.3430	5.6640	7.0069	33.9751	3.4831	1.24191
2.00	1.3421	5.3673	6.7294	33.0565	3.6893	1.20699
2.20	1.4120	5.1121	6.5241	32.1641	3.9049	1.17393

T= 9900						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9513	49.4212	53.3725	126.0473	-4.8438	3.95180
-6.80	3.9344	49.1179	53.0523	123.9280	-4.6456	3.93502
-6.60	3.9088	48.5582	52.5670	121.6619	-4.4485	3.90957
-6.40	3.8708	47.9764	51.8473	119.1882	-4.2527	3.87183
-6.20	3.8164	46.9965	50.8120	116.4376	-4.0589	3.81759
-6.00	3.7414	45.6454	49.3868	113.3454	-3.8675	3.74281
-5.80	3.6433	43.8762	47.5195	109.8750	-3.6790	3.64491
-5.60	3.5224	41.6941	45.2165	106.0421	-3.4937	3.52418

T= 9900

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-5.40	3.3825	39.1584	42.5509	101.9259	-3.3113	3.38449
-5.20	3.2376	36.4220	39.6526	97.5566	-3.1312	3.23265
-5.00	3.0747	33.6026	36.6773	93.3854	-2.9527	3.07687
-4.80	2.9226	30.8495	33.7720	89.2515	-2.7747	2.92472
-4.60	2.7802	28.2713	31.0515	85.3605	-2.5964	2.78232
-4.40	2.6514	25.9378	28.5892	81.7771	-2.4170	2.65348
-4.20	2.5381	23.8828	26.4279	78.5278	-2.2360	2.54003
-4.00	2.4404	22.1117	24.5521	75.6110	-2.0530	2.44227
-3.80	2.3577	20.6110	22.9688	73.0062	-1.8680	2.35945
-3.60	2.2886	19.3564	21.6450	70.6822	-1.6809	2.29020
-3.40	2.2315	18.3183	20.5497	68.6038	-1.4919	2.23288
-3.20	2.1845	17.4660	19.5506	66.7351	-1.3012	2.18582
-3.00	2.1462	16.7704	18.9166	65.0426	-1.1088	2.14736
-2.80	2.1150	16.2045	18.3196	63.4959	-0.9152	2.11603
-2.60	2.0895	15.7449	17.8344	62.0683	-0.7205	2.09048
-2.40	2.0687	15.3703	17.4389	60.7364	-0.5248	2.06952
-2.20	2.0513	15.0623	17.1136	59.4799	-0.3285	2.05208
-2.00	2.0365	14.8042	16.8407	58.2807	-0.1316	2.03713
-1.80	2.0231	14.5801	16.6032	57.1218	0.0655	2.02366
-1.60	2.0101	14.3738	16.3938	55.9868	0.2627	2.01057
-1.40	1.9962	14.1876	16.1638	54.8582	0.4597	1.99656
-1.20	1.9798	13.9416	15.9214	53.7165	0.6561	1.98011
-1.00	1.9592	13.6728	15.6321	52.5406	0.8516	1.95939
-0.80	1.9325	13.3369	15.2694	51.3083	1.0456	1.93242
-0.60	1.8977	12.9121	14.8098	50.0012	1.2377	1.89739
-0.40	1.8540	12.3855	14.2394	48.6104	1.4276	1.85325
-0.20	1.8015	11.7595	13.5610	47.1424	1.6151	1.80019
0.0	1.7421	11.0544	12.7964	45.6212	1.8005	1.73989
0.20	1.6786	10.3034	11.9919	44.0925	1.9844	1.67515
0.40	1.6144	9.5444	11.1588	42.5654	2.1675	1.60911
0.60	1.5527	8.8116	10.3642	41.1035	2.3506	1.54460
0.80	1.4959	8.1296	9.6255	39.7199	2.5344	1.48364
1.00	1.4460	7.5129	8.9589	38.4260	2.7197	1.42735
1.20	1.4045	6.9569	8.3714	37.2240	2.9070	1.37608
1.40	1.3729	6.4902	7.8631	36.1082	3.0971	1.32961
1.60	1.3536	6.0774	7.4310	35.0682	3.2910	1.28738
1.80	1.3501	5.7214	7.0715	34.0903	3.4899	1.24865
2.00	1.3683	5.4146	6.7828	33.1586	3.6957	1.21266
2.20	1.4172	5.1510	6.5583	32.2551	3.9109	1.17867

T= 10000

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9561	49.0813	53.0374	126.2025	-4.8389	3.95665
-6.80	3.9418	48.8273	52.7691	124.1297	-4.6404	3.94246
-6.60	3.9200	48.4396	52.3596	121.9314	-4.4429	3.92080
-6.40	3.8874	47.8592	51.7466	119.5529	-4.2465	3.88837
-6.20	3.8399	47.0139	50.8538	116.9275	-4.0518	3.84113
-6.00	3.7734	45.8276	49.6011	113.9875	-3.8594	3.77485
-5.80	3.6845	44.2409	47.9255	110.6826	-3.6698	3.68620
-5.60	3.5723	42.2361	45.8085	107.0061	-3.4832	3.57421
-5.40	3.4393	39.8567	43.2960	103.0115	-3.2997	3.44134
-5.20	3.2912	37.2063	40.4075	98.8110	-3.1188	3.29339
-5.00	3.1359	34.4254	37.5613	94.5501	-2.9398	3.13820
-4.80	2.9815	31.6585	34.6400	90.3749	-2.7617	2.98385

T = 10000

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-4.60	2.8348	29.0268	31.8616	86.4040	-2.5836	2.83709
-4.40	2.7704	26.6147	29.3157	82.7187	-2.4047	2.70260
-4.20	2.5909	24.4689	27.0497	79.3569	-2.2244	2.58300
-4.00	2.4771	22.6047	25.0818	76.3287	-2.0422	2.47911
-3.80	2.3987	21.0152	23.4039	73.5195	-1.8580	2.39054
-3.60	2.3144	19.6797	21.9941	71.2017	-1.6717	2.31612
-3.40	2.2527	18.5704	20.8231	69.0413	-1.4834	2.25430
-3.20	2.2019	17.6571	19.8590	67.1027	-1.2933	2.20338
-3.00	2.1604	16.9100	19.0704	65.3514	-1.1016	2.16169
-2.80	2.1265	16.3015	18.4280	63.7561	-0.9085	2.12769
-2.60	2.0989	15.8069	17.9058	62.2888	-0.7142	2.09997
-2.40	2.0753	15.4042	17.4805	60.9250	-0.5188	2.07729
-2.20	2.0576	15.0743	17.1319	59.6433	-0.3228	2.05850
-2.00	2.0448	14.7997	16.8415	58.4249	-0.1261	2.04258
-1.80	2.0278	14.5642	16.5927	57.2524	0.0709	2.02847
-1.60	2.0145	14.3517	16.3663	56.1092	0.2680	2.01510
-1.40	2.0008	14.1451	16.1459	54.9779	0.4650	2.00123
-1.20	1.9850	13.9249	15.9099	53.8398	0.6616	1.98536
-1.00	1.9656	13.5689	15.6344	52.6747	0.8573	1.96575
-0.80	1.9404	13.3530	15.2934	51.4585	1.0517	1.94041
-0.60	1.9077	12.9542	14.8620	50.1733	1.2444	1.90744
-0.40	1.8652	12.4569	14.3231	48.8066	1.4348	1.86553
-0.20	1.8158	11.8590	13.6747	47.3606	1.6229	1.81450
0.0	1.7578	11.1760	12.9339	45.8546	1.8088	1.75567
0.20	1.6950	10.4385	12.1335	44.3219	1.9930	1.69159
0.40	1.6307	9.5937	11.3144	42.8013	2.1762	1.62540
0.60	1.5682	8.9468	10.5150	41.3287	2.3592	1.56007
0.80	1.5102	8.2551	9.7652	39.9277	2.5429	1.49781
1.00	1.4588	7.6253	9.0841	38.6146	2.7278	1.44000
1.20	1.4157	7.0648	8.4805	37.3926	2.9148	1.38714
1.40	1.3827	6.5738	7.9565	36.2576	3.1046	1.33914
1.60	1.3621	6.1477	7.5098	35.2001	3.2981	1.29550
1.80	1.3574	5.7798	7.1373	34.2068	3.4966	1.25553
2.00	1.3745	5.4629	6.8374	33.2618	3.7020	1.21945
2.20	1.4226	5.1909	6.6135	32.3471	3.9169	1.18350

T = 10100

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9601	48.7339	52.6940	126.3416	-4.8341	3.96066
-6.80	3.9480	48.5207	52.4687	124.3073	-4.6354	3.94865
-6.60	3.9294	48.1937	52.1231	122.1661	-4.4375	3.93021
-6.40	3.9014	47.7000	51.6014	119.8689	-4.2406	3.90236
-6.20	3.8601	46.9726	50.8327	117.3537	-4.0452	3.86133
-6.00	3.8014	45.9359	49.7373	114.5522	-3.8519	3.80286
-5.80	3.7214	44.5218	48.2433	111.4051	-3.6611	3.72311
-5.60	3.6181	42.5342	46.3123	107.8866	-3.4733	3.62704
-5.40	3.4926	40.4714	43.9640	104.0258	-3.2887	3.49473
-5.20	3.3434	37.9348	41.2843	99.9133	-3.1068	3.35178
-5.00	3.1967	35.2133	38.4093	95.5844	-2.9272	3.19845
-4.80	3.0404	32.4519	35.4923	91.4871	-2.7489	3.04293
-4.60	2.8901	29.7819	32.6720	87.4518	-2.5709	2.89261
-4.40	2.7505	27.3016	30.0521	83.6731	-2.3924	2.75300
-4.20	2.6251	25.0712	27.6963	80.2056	-2.2127	2.62749
-4.00	2.5153	23.1168	25.6321	77.0682	-2.0312	2.51754

T= 10100

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-3.80	2.4211	21.4391	23.8602	74.2546	-1.8478	2.42316
-3.60	2.3415	20.0220	22.3635	71.7414	-1.6623	2.34344
-3.40	2.2752	18.8400	21.1151	69.4969	-1.4748	2.27694
-3.20	2.2204	17.3635	20.0840	67.4859	-1.2854	2.22200
-3.00	2.1754	17.0630	19.2385	65.6735	-1.0943	2.17692
-2.80	2.1387	16.4100	18.5487	64.0273	-0.9017	2.14010
-2.60	2.1089	15.8787	17.9876	62.5183	-0.7078	2.11007
-2.40	2.0844	15.4464	17.5309	61.1207	-0.5128	2.08554
-2.20	2.0643	15.0931	17.1574	59.8122	-0.3170	2.06530
-2.00	2.0474	14.8006	16.8480	58.5730	-0.1206	2.04829
-1.80	2.0327	14.5524	16.5851	57.3854	0.0762	2.03345
-1.60	2.0190	14.3324	16.3514	56.2325	0.2733	2.01970
-1.40	2.0053	14.1235	16.1288	55.0970	0.4703	2.00583
-1.20	1.9900	13.9071	15.8972	53.9606	0.6670	1.99041
-1.00	1.9715	13.6617	15.6332	52.8029	0.8630	1.97174
-0.80	1.9478	13.3635	15.3114	51.5020	1.0577	1.94788
-0.60	1.9171	12.9889	14.9060	50.0371	1.2508	1.91685
-0.40	1.8778	12.5196	14.3974	48.9937	1.4418	1.87712
-0.20	1.8294	11.9498	13.7793	47.5700	1.6305	1.82818
0.0	1.7731	11.2905	13.0635	46.0809	1.8169	1.77096
0.20	1.7112	10.5684	12.2796	44.5565	2.0015	1.70775
0.40	1.6469	9.8198	11.4668	43.0347	2.1848	1.64161
0.60	1.5838	9.0809	10.6646	41.5520	2.3679	1.57560
0.80	1.5246	8.3807	9.9054	40.1364	2.5513	1.51217
1.00	1.4718	7.7387	9.2106	38.8047	2.7360	1.45288
1.20	1.4272	7.1643	8.5916	37.5631	2.9227	1.39845
1.40	1.3928	6.6591	8.0519	36.4091	3.1121	1.34891
1.60	1.3708	6.2197	7.5905	35.3339	3.3051	1.30385
1.80	1.3649	5.8399	7.2048	34.3249	3.5033	1.26260
2.00	1.3810	5.5126	6.8936	33.3663	3.7084	1.22438
2.20	1.4281	5.2318	6.6599	32.4401	3.9229	1.18845

T= 10200

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9635	48.3812	52.3447	126.4675	-4.8295	3.96399
-6.80	3.9532	48.2021	52.1553	124.4653	-4.6306	3.95380
-6.60	3.9373	47.9260	51.8633	122.3721	-4.4323	3.93809
-6.40	3.9132	47.5063	51.4195	120.1443	-4.2350	3.91420
-6.20	3.8775	46.9817	50.7591	117.7253	-4.0390	3.87865
-6.00	3.8258	45.9791	49.9050	115.0484	-3.8448	3.82727
-5.80	3.7542	44.7262	48.4804	112.0493	-3.6530	3.75594
-5.60	3.6598	43.0718	46.7216	108.6869	-3.4641	3.66177
-5.40	3.5423	41.0120	44.5543	104.9679	-3.2783	3.54455
-5.20	3.4051	38.6043	42.0094	100.9599	-3.0954	3.40757
-5.00	3.2547	35.9614	39.2161	96.7832	-2.9150	3.25727
-4.80	3.0990	33.2248	36.3239	92.5837	-2.7363	3.10168
-4.60	2.9460	30.5327	33.4786	88.4998	-2.5583	2.94867
-4.40	2.8019	27.9958	30.7977	84.6397	-2.3801	2.80453
-4.20	2.6709	25.6481	28.3589	81.0725	-2.2009	2.67344
-4.00	2.5551	23.6472	26.2023	77.8290	-2.0201	2.55754
-3.80	2.4550	21.8826	24.3376	74.9114	-1.8375	2.45733
-3.60	2.3701	20.3834	22.7534	72.3018	-1.6528	2.37220
-3.40	2.2999	19.1273	21.4261	69.9712	-1.4660	2.30087
-3.20	2.2399	18.0861	20.3260	67.8854	-1.2773	2.24173

T= 10200

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-3.00	2.1914	17.2301	19.4215	66.0094	-1.0868	2.19379
-2.80	2.1518	16.5305	18.5823	64.3101	-0.8947	2.15329
-2.60	2.1195	15.9609	19.0803	62.7572	-0.7013	2.12082
-2.40	2.0931	15.4973	17.5904	61.3240	-0.5068	2.09430
-2.20	2.0714	15.1190	17.1904	59.9869	-0.3113	2.07250
-2.00	2.0533	14.8072	16.8605	58.7255	-0.1151	2.05430
-1.80	2.0378	14.5450	16.5827	57.5214	0.0816	2.03862
-1.60	2.0236	14.3159	16.3395	56.3571	0.2785	2.02438
-1.40	2.0098	14.1033	16.1130	55.2158	0.4756	2.01039
-1.20	1.9948	13.8888	15.8836	54.0792	0.6723	1.99528
-1.00	1.9771	13.6518	15.6289	52.9275	0.8685	1.97740
-0.80	1.9547	13.3688	15.3236	51.7390	1.0635	1.95484
-0.60	1.9258	13.0160	14.9419	50.4924	1.2571	1.92560
-0.40	1.8886	12.5734	14.4620	49.1711	1.4486	1.88797
-0.20	1.8424	12.0312	13.8736	47.7695	1.6378	1.84112
0.0	1.7877	11.3961	13.1839	46.2983	1.8248	1.78562
0.20	1.7269	10.6913	12.4181	44.7840	2.0097	1.72345
0.40	1.6629	9.9510	11.6139	43.2631	2.1933	1.65754
0.60	1.5973	9.2118	10.8111	41.7730	2.3764	1.59103
0.80	1.5391	8.5049	10.0440	40.3436	2.5597	1.52655
1.00	1.4850	7.8518	9.3368	38.9945	2.7442	1.46587
1.20	1.4339	7.2641	8.7031	37.7339	2.9305	1.40991
1.40	1.4737	6.7452	8.1482	36.5611	3.1195	1.35885
1.60	1.3796	6.2927	7.6723	35.4684	3.3122	1.31235
1.80	1.3726	5.9008	7.2734	34.4436	3.5100	1.26979
2.00	1.3976	5.5630	6.9506	33.4713	3.7147	1.23043
2.20	1.4337	5.2735	6.7072	32.5335	3.9289	1.19349

T= 10300

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9663	48.0258	51.9921	126.5821	-4.8249	3.96675
-6.80	3.9575	47.8750	51.8324	124.6066	-4.6259	3.95810
-6.60	3.9439	47.6415	51.5854	122.5536	-4.4274	3.94470
-6.40	3.9232	47.2846	51.2078	120.3949	-4.2297	3.92420
-6.20	3.8922	46.7488	50.6410	118.0490	-4.0331	3.89342
-6.00	3.8470	45.9653	49.8123	115.4829	-3.8382	3.84841
-5.80	3.7832	44.8601	48.6433	112.6201	-3.6454	3.78491
-5.60	3.6974	43.3719	47.0694	109.4086	-3.4554	3.69942
-5.40	3.5883	41.4771	45.0654	105.8353	-3.2684	3.59058
-5.20	3.4578	39.2094	42.6672	101.9445	-3.0845	3.46036
-5.00	3.3114	36.6625	39.9739	97.8384	-2.9033	3.31416
-4.80	3.1568	33.9696	37.1263	93.5561	-2.7241	3.15962
-4.60	3.0029	31.2720	34.2740	89.5406	-2.5459	3.00487
-4.40	2.8540	28.6915	31.5455	85.6118	-2.3679	2.85686
-4.20	2.7178	26.3150	29.0328	81.9530	-2.1891	2.72061
-4.00	2.5963	24.1927	26.7889	78.6077	-2.0090	2.59895
-3.80	2.4904	22.3431	24.8335	75.5876	-1.8270	2.49294
-3.60	2.4000	20.7621	23.1621	72.8813	-1.6431	2.40233
-3.40	2.3238	19.4311	21.7550	70.4631	-1.4571	2.32605
-3.20	2.2605	18.3237	20.5842	68.3005	-1.2691	2.26256
-3.00	2.2084	17.4105	19.6189	66.3589	-1.0792	2.21020
-2.80	2.1656	16.6627	18.8283	64.6042	-0.8877	2.16728
-2.60	2.1307	16.0529	18.1837	63.0055	-0.6948	2.13222
-2.40	2.1022	15.5567	17.6589	61.5348	-0.5006	2.10350

T = 10300

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-2.20	2.0789	15.1520	17.2309	60.1676	-0.3055	2.08012
-2.00	2.0595	14.8197	16.8792	58.8825	-0.1095	2.06063
-1.80	2.0430	14.5421	16.5951	57.6604	0.0870	2.04401
-1.60	2.0283	14.3027	16.3310	56.4835	0.2838	2.02917
-1.40	2.0143	14.0848	16.0990	55.3348	0.4808	2.01496
-1.20	1.9995	13.8706	15.8701	54.1964	0.6776	2.00003
-1.00	1.9824	13.6400	15.6224	53.0488	0.8739	1.98280
-0.80	1.9612	13.3702	15.3315	51.8708	1.0692	1.96140
-0.60	1.9339	13.0373	14.9712	50.6407	1.2631	1.93380
-0.40	1.8988	12.6196	14.5184	49.3402	1.4552	1.89819
-0.20	1.8546	12.1746	13.9593	47.9606	1.6449	1.85344
0.0	1.8019	11.4945	13.2963	46.5083	1.8324	1.79975
0.20	1.7422	10.9783	12.5505	45.0059	2.0178	1.73879
0.40	1.6787	10.3783	11.7570	43.4882	2.2017	1.67331
0.60	1.6148	9.3409	10.9557	41.9925	2.3848	1.60647
0.80	1.5537	8.6287	10.1824	40.5510	2.5681	1.54105
1.00	1.4983	7.9656	9.4639	39.1854	2.7523	1.47906
1.20	1.4508	7.3653	8.8161	37.9064	2.9383	1.42161
1.40	1.4134	6.8329	8.2463	36.7149	3.1270	1.36902
1.60	1.3887	6.3672	7.7559	35.6046	3.3193	1.32107
1.80	1.3704	5.9633	7.3437	34.5639	3.5167	1.27719
2.00	1.3643	5.6149	7.0092	33.5776	3.7211	1.23665
2.20	1.4395	5.3163	6.7558	32.6279	3.9349	1.19867

T = 10400

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9686	47.6595	51.6380	126.6882	-4.8205	3.96906
-6.80	3.9611	47.5421	51.5032	124.7348	-4.6213	3.96169
-6.60	3.9495	47.3445	51.2939	122.7155	-4.4226	3.95725
-6.40	3.9317	47.0408	50.9725	120.5969	-4.2245	3.93265
-6.20	3.9049	46.5816	50.4864	118.3328	-4.0275	3.90604
-6.00	3.8653	45.9029	49.7682	115.8645	-3.8319	3.86670
-5.80	3.8087	44.9319	48.7406	113.1258	-3.6383	3.81040
-5.60	3.7312	43.6008	47.3320	110.0577	-3.4473	3.73323
-5.40	3.6305	41.8696	45.5001	106.6305	-3.2591	3.63288
-5.20	3.5074	39.7498	43.2572	102.8664	-3.0741	3.51003
-5.00	3.3660	37.3137	40.6797	98.8471	-2.8920	3.36989
-4.80	3.2135	34.6824	37.8958	94.7006	-2.7121	3.21649
-4.60	3.0579	31.9964	35.0543	90.5707	-2.5337	3.06097
-4.40	2.9067	29.3859	32.2926	86.5867	-2.3557	2.90985
-4.20	2.7659	26.9503	29.7161	82.8456	-2.1773	2.76891
-4.00	2.6388	24.7522	27.3910	79.4037	-1.9977	2.64174
-3.80	2.5272	22.8206	25.3478	76.2832	-1.8165	2.53001
-3.60	2.4313	21.1585	23.5898	73.4801	-1.6333	2.43387
-3.40	2.3501	19.7519	22.1020	70.9732	-1.4480	2.35251
-3.20	2.2823	18.5769	20.8591	68.7320	-1.2607	2.28454
-3.00	2.2262	17.6050	19.9312	66.7224	-1.0715	2.22830
-2.80	2.1802	16.8771	18.9874	64.9103	-0.8806	2.18209
-2.60	2.1426	16.1555	18.2982	63.2637	-0.6882	2.14431
-2.40	2.1119	15.6250	17.7369	61.7537	-0.4944	2.11346
-2.20	2.0858	15.1926	17.2794	60.3547	-0.2996	2.08819
-2.00	2.0661	14.8383	16.9044	59.0444	-0.1040	2.06730
-1.80	2.0496	14.5441	16.5926	57.8028	0.0923	2.04964
-1.60	2.0332	14.2930	16.3262	56.6120	0.2891	2.03411

T = 10400

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-1.40	2.0198	14.0684	16.0872	55.4545	0.4860	2.01957
-1.20	2.0040	13.8529	15.8569	54.3126	0.6828	2.00469
-1.00	1.9875	13.6263	15.6143	53.1673	0.8792	1.98796
-0.80	1.9673	13.3680	15.3353	51.9977	1.0748	1.96755
-0.60	1.9415	13.0527	14.9942	50.7821	1.2690	1.94145
-0.40	1.9093	12.5583	14.5665	49.5010	1.4615	1.90774
-0.20	1.8652	12.1694	14.0356	48.1427	1.6518	1.86505
0.0	1.8153	11.5843	13.3996	46.7096	1.8398	1.81324
0.20	1.7570	10.9181	12.6751	45.2206	2.0257	1.75362
0.40	1.6941	10.2001	11.8943	43.7079	2.2098	1.68874
0.60	1.6301	9.4663	11.0964	42.2088	2.3931	1.62174
0.80	1.5633	8.7505	10.3188	40.7567	2.5763	1.55553
1.00	1.5117	8.0785	9.5903	39.3759	2.7603	1.49232
1.20	1.4628	7.4665	8.9293	38.0793	2.9461	1.43342
1.40	1.4240	6.9211	8.3451	36.8697	3.1344	1.37933
1.60	1.3980	6.4426	7.8405	35.7419	3.3264	1.32993
1.80	1.3884	6.0267	7.4151	34.6853	3.5234	1.28471
2.00	1.4112	5.6676	7.0688	33.6849	3.7274	1.24297
2.20	1.4453	5.3600	6.8053	32.7233	3.9409	1.20393

T = 10500

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9775	47.3135	51.2840	126.7867	-4.8161	3.97099
-6.80	3.9641	47.2058	51.1699	124.8518	-4.6169	3.96470
-6.60	3.9541	47.0381	50.9923	122.8607	-4.4179	3.95491
-6.40	3.9388	46.7795	50.7183	120.7844	-4.2195	3.93979
-6.20	3.9156	46.3858	50.3015	118.5819	-4.0222	3.91678
-6.00	3.8810	45.7989	49.6799	116.1992	-3.8260	3.88245
-5.80	3.8310	44.9484	48.7794	113.5724	-3.6316	3.83270
-5.60	3.7613	43.7633	47.5246	110.6383	-3.4396	3.76338
-5.40	3.6690	42.1913	45.8603	107.3545	-3.2504	3.67143
-5.20	3.5536	40.2234	43.7771	103.7227	-3.0643	3.55634
-5.00	3.4181	37.9102	41.3283	99.8035	-2.8812	3.42109
-4.80	3.2687	35.3569	38.6255	95.7102	-2.7006	3.27185
-4.60	3.1133	32.6994	35.8127	91.5832	-2.5217	3.11657
-4.40	2.9538	30.0733	33.0332	87.5590	-2.3437	2.96317
-4.20	2.8148	27.5892	30.4041	83.7454	-2.1655	2.81809
-4.00	2.6825	25.3223	28.0049	80.2133	-1.9864	2.68574
-3.80	2.5654	23.3124	25.8777	76.9957	-1.8058	2.56841
-3.60	2.4639	21.5707	24.0346	74.0967	-1.6233	2.46675
-3.40	2.3776	20.0885	22.4661	71.5003	-1.4388	2.38024
-3.20	2.3052	18.8449	21.1500	69.1790	-1.2522	2.30764
-3.00	2.2451	17.8128	20.0579	67.0997	-1.0637	2.24738
-2.80	2.1957	16.9634	19.1591	65.2282	-0.8734	2.19775
-2.60	2.1552	16.2685	18.4237	63.5318	-0.6815	2.15710
-2.40	2.1222	15.7120	17.8242	61.9807	-0.4882	2.12389
-2.20	2.0952	15.2405	17.3357	60.5482	-0.2937	2.09672
-2.00	2.0730	14.8630	16.9367	59.2112	-0.0984	2.07432
-1.80	2.0543	14.5509	16.6053	57.9489	0.0977	2.05553
-1.60	2.0382	14.2870	16.3251	56.7427	0.2943	2.03922
-1.40	2.0233	14.0544	16.0778	55.5750	0.4911	2.02423
-1.20	2.0096	13.8360	15.8446	54.4282	0.6879	2.00930
-1.00	1.9924	13.6126	15.6250	53.2835	0.8844	1.99293
-0.80	1.9731	13.3628	15.3359	52.1204	1.0802	1.97337

T = 10500

LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-0.50	1.9496	13.0630	15.0116	50.9174	1.2748	1.94862
-0.40	1.9171	12.6899	14.6071	49.5539	1.4677	1.91667
-0.20	1.8771	12.2261	14.1032	48.3160	1.6585	1.87599
0.0	1.8281	11.6659	13.4940	46.9023	1.8470	1.82608
0.20	1.7713	11.0205	12.7918	45.4278	2.0333	1.76791
0.40	1.7092	10.3161	12.0253	43.9219	2.2178	1.70380
0.60	1.6452	9.5877	11.2329	42.4211	2.4013	1.63680
0.80	1.5828	8.8699	10.4527	40.9602	2.5845	1.56994
1.00	1.5251	8.1905	9.7156	39.5653	2.7683	1.50561
1.20	1.4750	7.5675	9.0424	38.2519	2.9538	1.44534
1.40	1.4348	7.0097	8.4444	37.0245	3.1418	1.38977
1.60	1.4073	6.5185	7.9259	35.8795	3.3334	1.33893
1.80	1.3965	6.0908	7.4874	34.8069	3.5301	1.29236
2.00	1.4082	5.7211	7.1293	33.7924	3.7337	1.24940
2.20	1.4513	5.4043	6.8555	32.8187	3.9468	1.20928

T = 10600

LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-7.00	3.9721	46.9591	50.9313	126.8791	-4.8118	3.97261
-6.80	3.9566	46.8577	50.8344	124.9596	-4.6124	3.96723
-6.60	3.9581	46.7252	50.6833	122.9923	-4.4133	3.95884
-6.40	3.9449	46.5047	50.4496	120.9517	-4.2148	3.94583
-6.20	3.9248	46.1672	50.0920	118.8019	-4.0170	3.92593
-6.00	3.8946	45.5500	49.5546	116.4938	-3.8204	3.89601
-5.80	3.8504	44.9169	48.7673	113.9668	-3.6253	3.85216
-5.60	3.7881	43.8560	47.6541	111.1563	-3.4324	3.79014
-5.40	3.7739	42.4463	46.1502	108.0106	-3.2422	3.70635
-5.20	3.5965	40.5314	44.2279	104.5139	-3.0550	3.59926
-5.00	3.4675	38.4501	41.9175	100.7053	-2.8708	3.47057
-4.80	3.3221	35.9893	39.3114	96.6808	-2.6894	3.32543
-4.60	3.1679	33.3768	36.5447	92.5737	-2.5101	3.17139
-4.40	3.0130	30.7499	33.7629	88.5238	-2.3318	3.01655
-4.20	2.8544	28.2288	31.0033	84.5495	-2.1538	2.86798
-4.00	2.7274	25.9008	28.6282	81.0346	-1.9751	2.73082
-3.80	2.6048	23.8171	26.4219	77.7238	-1.7951	2.60809
-3.60	2.4978	21.9979	24.4957	74.7303	-1.6133	2.50094
-3.40	2.4063	20.4405	22.8468	72.0443	-1.4295	2.40921
-3.20	2.3292	19.1276	21.4568	69.6417	-1.2436	2.33188
-3.00	2.2650	18.0341	20.2991	67.4909	-1.0558	2.26746
-2.80	2.2120	17.1317	19.3436	65.5580	-0.8661	2.21427
-2.60	2.1685	16.3919	18.5604	63.8099	-0.6747	2.17062
-2.40	2.1330	15.7881	17.9211	62.2159	-0.4818	2.13493
-2.20	2.1040	15.2960	17.4001	60.7485	-0.2878	2.10574
-2.00	2.0802	14.8941	16.9743	59.3833	-0.0927	2.08174
-1.80	2.0504	14.5630	16.6233	58.0989	0.1031	2.06171
-1.60	2.0433	14.2850	16.3283	56.8761	0.2995	2.04452
-1.40	2.0280	14.0432	16.0712	55.6970	0.4962	2.02900
-1.20	2.0131	13.8206	15.8336	54.5438	0.6930	2.01390
-1.00	1.9971	13.5984	15.5955	53.3982	0.8896	1.99778
-0.80	1.9785	13.3558	15.3343	52.2400	1.0855	1.97893
-0.60	1.9553	13.0695	15.0249	51.0478	1.2804	1.95539
-0.40	1.9255	12.7161	14.6416	49.8005	1.4737	1.92510
-0.20	1.8874	12.2761	14.1635	48.4822	1.6650	1.88636
0.0	1.8404	11.7407	13.5811	47.0881	1.8541	1.83839



T = 10600						
LOG RHO	Z	E/R <sub>T</sub>	H/R <sub>T</sub>	S/R	LOG P	Z*
0.20	1.7852	11.1169	12.9021	45.6293	2.0408	1.78179
0.40	1.7240	10.4277	12.1517	44.1319	2.2257	1.71860
0.60	1.6602	9.7064	11.3666	42.6314	2.4093	1.65177
0.80	1.5973	8.9882	10.5855	41.1632	2.5926	1.58440
1.00	1.5337	8.3024	9.8411	39.7556	2.7763	1.51905
1.20	1.4873	7.5693	9.1566	38.4261	2.9616	1.45745
1.40	1.4457	7.0995	8.5452	37.1814	3.1492	1.40043
1.60	1.4169	6.5959	8.0129	36.0193	3.3405	1.34813
1.80	1.4049	6.1564	7.5612	34.9307	3.5368	1.30020
2.00	1.4154	5.7759	7.1913	33.9019	3.7400	1.25599
2.20	1.4674	5.4498	6.9072	32.9158	3.9527	1.21476

T = 10700						
LOG RHO	Z	E/R <sub>T</sub>	H/R <sub>T</sub>	S/R	LOG P	Z*
-7.00	3.9735	46.6072	50.5807	126.9665	-4.8076	3.97396
-6.80	3.9688	46.5294	50.4982	125.0599	-4.6081	3.96936
-6.60	3.9614	46.4081	50.3695	123.1124	-4.4089	3.96215
-6.40	3.9500	46.2197	50.1697	121.1022	-4.2102	3.95095
-6.20	3.9326	45.9302	49.8627	119.9973	-4.0121	3.93372
-6.00	3.9062	45.4920	49.3983	116.7538	-3.8150	3.90765
-5.80	3.8673	44.8439	48.7112	114.3152	-3.6193	3.86908
-5.60	3.8117	43.9151	47.7268	111.6176	-3.4256	3.81378
-5.40	3.7353	42.6391	46.3745	108.6030	-3.2344	3.73781
-5.20	3.6359	40.9753	44.6112	105.2410	-3.0461	3.63876
-5.00	3.5139	38.9318	42.4458	101.5505	-2.8610	3.51713
-4.80	3.3735	36.5762	39.9496	97.6083	-2.6787	3.37695
-4.60	3.2214	34.0238	37.2452	93.5372	-2.4987	3.22511
-4.40	3.0559	31.4111	34.4770	89.4769	-2.3202	3.06972
-4.20	2.9145	28.8653	31.7798	85.5540	-2.1422	2.91833
-4.00	2.7731	26.4849	29.2581	81.8646	-1.9638	2.77684
-3.80	2.6453	24.3328	26.9782	78.4655	-1.7843	2.64894
-3.60	2.5330	22.4388	24.9717	75.3798	-1.6031	2.53638
-3.40	2.4362	20.8070	23.2432	72.5045	-1.4200	2.43942
-3.20	2.3543	19.4245	21.7788	70.1196	-1.2349	2.35726
-3.00	2.2858	18.2686	20.5544	67.8958	-1.0477	2.28856
-2.80	2.2291	17.3118	19.5409	65.8998	-0.8586	2.23166
-2.60	2.1826	16.5257	18.7082	64.0982	-0.6678	2.18488
-2.40	2.1445	15.8831	18.0276	62.4597	-0.4754	2.14658
-2.20	2.1134	15.3592	17.4725	60.9556	-0.2819	2.11526
-2.00	2.0879	14.9316	17.0195	59.5608	-0.0871	2.08955
-1.80	2.0667	14.5803	16.6469	58.2530	0.1085	2.06819
-1.60	2.0487	14.2871	16.3358	57.0123	0.3047	2.05003
-1.40	2.0327	14.0349	16.0676	55.8205	0.5013	2.03388
-1.20	2.0175	13.8067	15.8242	54.6596	0.6981	2.01851
-1.00	2.0018	13.5842	15.5850	53.5116	0.8946	2.00252
-0.80	1.9838	13.3470	15.3307	52.3566	1.0907	1.98425
-0.60	1.9616	13.0724	15.0340	51.1733	1.2858	1.96176
-0.40	1.9333	12.7367	14.6700	49.9406	1.4795	1.93300
-0.20	1.8971	12.3191	14.2162	48.6407	1.6713	1.89612
0.0	1.8520	11.8079	13.6599	47.2659	1.8609	1.85007
0.20	1.7985	11.2061	13.0045	45.8232	2.0481	1.79511
0.40	1.7384	10.5332	12.2715	44.3357	2.2334	1.73298
0.60	1.6750	9.8206	11.4956	42.8372	2.4172	1.66640
0.80	1.6118	9.1036	10.7153	41.3634	2.6005	1.59875

T= 10700

LOG RHO	Z	F/R T	H/R T	S/R	LOG P	Z*
1.00	1.5523	8.4128	9.9651	39.9443	2.7842	1.53249
1.20	1.4997	7.7706	9.2703	38.5997	2.9692	1.46963
1.40	1.4568	7.1895	8.6462	37.3383	3.1565	1.41120
1.60	1.4266	6.6739	8.1005	36.1593	3.3476	1.35747
1.80	1.4133	6.2226	7.6359	35.0549	3.5435	1.30816
2.00	1.4227	5.8314	7.2541	34.0118	3.7463	1.26269
2.20	1.4636	5.4961	6.9597	33.0133	3.9586	1.22033

T= 10800

LOG RHO	Z	F/R T	H/R T	S/R	LOG P	Z*
-7.00	3.9746	46.2583	50.2330	127.0497	-4.8034	3.97511
-6.80	3.9706	46.1920	50.1626	125.1538	-4.6039	3.97115
-6.60	3.9642	46.0884	50.0526	123.2231	-4.4046	3.96495
-6.40	3.9544	45.9272	49.8816	121.2384	-4.2056	3.95529
-6.20	3.9392	45.6786	49.6178	119.1720	-4.0073	3.94038
-6.00	3.9162	45.3001	49.2164	116.9843	-3.8098	3.91765
-5.80	3.8820	44.7355	48.6175	114.6236	-3.6137	3.88377
-5.60	3.8325	43.9168	47.7493	112.0279	-3.4192	3.83461
-5.40	3.7635	42.7747	46.5383	109.1360	-3.2271	3.76602
-5.20	3.6720	41.2576	44.9296	105.9059	-3.0378	3.67491
-5.00	3.5574	39.3552	42.9126	102.3381	-2.8516	3.56068
-4.80	3.4225	37.1147	40.5372	98.4897	-2.6684	3.42617
-4.60	3.2736	34.6367	37.9103	94.4696	-2.4877	3.27744
-4.40	3.1184	32.0529	35.1712	90.4139	-2.3088	3.12241
-4.20	2.9649	29.4950	32.4599	86.4552	-2.1307	2.96895
-4.00	2.8196	27.1718	29.8914	82.7006	-1.9525	2.82363
-3.80	2.6870	24.8575	27.5445	79.2190	-1.7735	2.69086
-3.60	2.5693	22.8921	25.4614	76.0439	-1.5929	2.57302
-3.40	2.4673	21.1873	23.6546	73.1801	-1.4105	2.47083
-3.20	2.3805	19.7353	22.1158	70.6125	-1.2260	2.38378
-3.00	2.3077	18.5162	20.8238	68.3144	-1.0395	2.31068
-2.80	2.2472	17.5037	19.7509	66.2537	-0.8511	2.24995
-2.60	2.1974	16.6699	18.8673	64.3969	-0.6608	2.19990
-2.40	2.1566	15.9873	18.1439	62.7121	-0.4690	2.15887
-2.20	2.1232	15.4302	17.5534	61.1698	-0.2757	2.12530
-2.00	2.0959	14.9757	17.0716	59.7440	-0.0813	2.09777
-1.80	2.0733	14.6030	16.6763	58.4115	0.1139	2.07500
-1.60	2.0543	14.2935	16.3477	57.1517	0.3099	2.05577
-1.40	2.0376	14.0298	16.0674	55.9458	0.5064	2.03890
-1.20	2.0221	13.7948	15.8158	54.7761	0.7031	2.02316
-1.00	2.0063	13.5704	15.5768	53.6242	0.8997	2.00719
-0.80	1.9888	13.3370	15.3258	52.4707	1.0959	1.98936
-0.60	1.9676	13.0722	15.0398	51.2948	1.2912	1.96779
-0.40	1.9407	12.7524	14.6930	50.0748	1.4852	1.94042
-0.20	1.9062	12.3557	14.2619	48.7920	1.6774	1.90530
0.0	1.8630	11.8678	13.7308	47.4359	1.8675	1.86114
0.20	1.8112	11.2881	13.0993	46.0100	2.0552	1.80787
0.40	1.7523	10.6325	12.3848	44.5337	2.2409	1.74692
0.60	1.6894	9.9302	11.6196	43.0388	2.4250	1.68091
0.80	1.6260	9.2158	10.8418	41.5611	2.6084	1.61295
1.00	1.5658	8.5214	10.0873	40.1320	2.7920	1.54590
1.20	1.5121	7.8711	9.3832	38.7733	2.9769	1.48187
1.40	1.4679	7.2793	8.7472	37.4958	3.1640	1.42206
1.60	1.4365	6.7521	8.1885	36.3004	3.3546	1.36691

T= 10800						
LOG RHO	Z	E/RT	1/RT	S/R	LOG P	Z*
1.80	1.4219	6.2894	7.7112	35.1803	3.5501	1.31623
2.00	1.4301	5.8876	7.3177	34.1229	3.7525	1.26949
2.20	1.4699	5.5430	7.0128	33.1120	3.9645	1.22600

T= 10900						
LOG RHO	Z	E/RT	1/RT	S/R	LOG P	Z*
-7.00	3.9756	45.9131	49.8887	127.1291	-4.7993	3.97608
-6.80	3.9721	45.8563	49.8284	125.2422	-4.5997	3.97267
-6.60	3.9666	45.7676	49.7342	123.3255	-4.4003	3.96732
-6.40	3.9581	45.6295	49.5875	121.3625	-4.2012	3.95897
-6.20	3.9449	45.4156	49.3605	119.3287	-4.0027	3.94604
-6.00	3.9248	45.0886	49.0134	117.1892	-3.8049	3.92625
-5.80	3.8948	44.5970	48.4918	114.8967	-3.6082	3.89649
-5.60	3.8598	43.9768	47.7276	112.3924	-3.4132	3.85287
-5.40	3.7987	42.8580	46.5467	109.6139	-3.2202	3.79117
-5.20	3.7048	41.4813	45.1861	106.5109	-3.0299	3.70777
-5.00	3.5977	39.7203	43.3181	103.0676	-2.8427	3.60111
-4.80	3.4691	37.6024	41.0715	99.3217	-2.6585	3.47285
-4.60	3.3240	35.2113	38.5353	95.3659	-2.4770	3.32908
-4.40	3.1701	32.6705	35.8405	91.3297	-2.2976	3.17429
-4.20	3.0152	30.1136	33.1288	87.3487	-2.1194	3.01956
-4.00	2.8667	27.6578	30.5244	83.5386	-1.9413	2.87097
-3.80	2.7295	25.3883	28.1178	79.9812	-1.7626	2.73370
-3.60	2.6067	23.3556	25.9624	76.7205	-1.5826	2.61075
-3.40	2.4996	21.5799	24.0794	73.7697	-1.4009	2.50337
-3.20	2.4078	20.0589	22.4667	71.1194	-1.2171	2.41139
-3.00	2.3305	18.7760	21.1065	68.7461	-1.0313	2.33380
-2.80	2.2661	17.7070	19.9731	66.6192	-0.8434	2.26912
-2.60	2.2129	16.8244	19.0373	64.7057	-0.6538	2.21568
-2.40	2.1693	16.1003	18.2696	62.9729	-0.4624	2.17180
-2.20	2.1336	15.5089	17.6425	61.3910	-0.2696	2.13587
-2.00	2.1044	15.0262	17.1306	59.9328	-0.0756	2.10643
-1.80	2.0803	14.6311	16.7114	58.5743	0.1194	2.08214
-1.60	2.0601	14.3042	16.3643	57.2942	0.3152	2.06176
-1.40	2.0426	14.0280	16.0706	56.0733	0.5115	2.04408
-1.20	2.0267	13.7850	15.8117	54.8934	0.7081	2.02789
-1.00	2.0108	13.5577	15.5685	53.7364	0.9047	2.01183
-0.80	1.9936	13.3266	15.3202	52.5832	1.1009	1.99433
-0.60	1.9732	13.0699	15.0432	51.4130	1.2965	1.97356
-0.40	1.9476	12.7643	14.7119	50.2043	1.4908	1.94746
-0.20	1.9148	12.3871	14.3019	48.9375	1.6834	1.91401
0.0	1.8735	11.9218	13.7954	47.5996	1.8739	1.87171
0.20	1.8235	11.3644	13.1879	46.1907	2.0622	1.82019
0.40	1.7659	10.7271	12.4931	44.7267	2.2482	1.76054
0.60	1.7037	10.0364	11.7401	43.2370	2.4327	1.69515
0.80	1.6403	9.3262	10.9665	41.7569	2.6152	1.62712
1.00	1.5795	8.6295	10.2090	40.3190	2.7999	1.55939
1.20	1.5247	7.9720	9.4967	38.9471	2.9845	1.49426
1.40	1.4793	7.3701	8.8494	37.6540	3.1713	1.43312
1.60	1.4465	6.8316	8.2781	36.4424	3.3615	1.37656
1.80	1.4307	6.3574	7.7881	35.3065	3.5568	1.32450
2.00	1.4377	5.9450	7.3827	34.2347	3.7589	1.27647
2.20	1.4753	5.5910	7.0673	33.2113	3.9704	1.23180

T= 11000

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9764	45.5719	49.5483	127.2055	-4.7953	3.97690
-6.80	3.9734	45.5231	49.4965	125.3262	-4.5956	3.97395
-6.60	3.9686	45.4470	49.4156	123.4213	-4.3961	3.96933
-6.40	3.9612	45.3283	49.2895	121.4766	-4.1969	3.96210
-6.20	3.9498	45.1441	49.0939	119.4706	-3.9982	3.95089
-6.00	3.9322	44.8613	48.7935	117.3727	-3.8001	3.93362
-5.80	3.9058	44.4334	48.3392	115.1396	-3.6030	3.90750
-5.60	3.8668	43.8008	47.6676	112.7167	-3.4074	3.86887
-5.40	3.8110	42.8747	46.7057	110.0421	-3.2137	3.81352
-5.20	3.7345	41.5505	45.3851	107.0596	-3.0225	3.73752
-5.00	3.6350	40.0291	43.6642	103.7405	-2.8342	3.63847
-4.80	3.5130	38.0388	41.5518	100.1034	-2.6491	3.51690
-4.60	3.3726	35.7452	39.1178	96.2239	-2.4668	3.37683
-4.40	3.2207	33.2678	36.4815	92.2211	-2.2868	3.22514
-4.20	3.0654	30.7179	33.7833	88.2308	-2.1083	3.06993
-4.00	2.9141	29.2402	31.1543	84.3762	-1.9302	2.91870
-3.80	2.7728	25.9233	28.6961	80.7504	-1.7518	2.77734
-3.60	2.6452	23.3282	26.4734	77.4085	-1.5723	2.64953
-3.40	2.5329	21.9840	24.5169	74.3727	-1.3911	2.53703
-3.20	2.4362	20.3948	22.8310	71.6400	-1.2080	2.44009
-3.00	2.3543	19.0481	21.4024	69.1908	-1.0229	2.35793
-2.80	2.2859	17.9218	20.2075	66.9956	-0.8357	2.28919
-2.60	2.2292	16.9891	19.2182	65.0247	-0.6466	2.23225
-2.40	2.1826	16.2224	18.4050	63.2426	-0.4558	2.18539
-2.20	2.1445	15.5953	17.7398	61.6195	-0.2634	2.14699
-2.00	2.1133	15.0834	17.1967	60.1275	-0.0698	2.11554
-1.80	2.0876	14.5648	16.7523	58.7417	0.1249	2.08964
-1.60	2.0662	14.3195	16.3857	57.4402	0.3204	2.06801
-1.40	2.0478	14.0296	16.0775	56.2031	0.5165	2.04944
-1.20	2.0313	13.7777	15.8090	55.0119	0.7130	2.03270
-1.00	2.0153	13.5461	15.5614	53.8486	0.9096	2.01546
-0.80	1.9984	13.3159	15.3142	52.6941	1.1059	1.99918
-0.60	1.9786	13.0657	15.0443	51.5281	1.3016	1.97908
-0.40	1.9542	12.7725	14.7266	50.3291	1.4962	1.95411
-0.20	1.9230	12.4131	14.3361	49.0768	1.6892	1.92222
0.0	1.8835	11.9694	13.8529	47.7563	1.8802	1.88172
0.20	1.8352	11.4340	13.2692	46.3643	2.0689	1.83195
0.40	1.7790	10.8156	12.5946	44.9135	2.2554	1.77368
0.60	1.7176	10.1377	11.8553	43.4304	2.4402	1.70907
0.80	1.6543	9.4332	11.0875	41.9495	2.6239	1.64110
1.00	1.5930	8.7354	10.3284	40.5042	2.8075	1.57281
1.20	1.5373	8.0718	9.5791	39.1202	2.9920	1.50667
1.40	1.4907	7.4606	8.9513	37.8122	3.1786	1.44426
1.60	1.4567	6.9112	8.3579	36.5848	3.3686	1.38631
1.80	1.4395	6.4260	7.8655	35.4335	3.5635	1.33287
2.00	1.4454	6.0031	7.4484	34.3473	3.7652	1.28354
2.20	1.4828	5.6398	7.1225	33.3112	3.9763	1.23770

T= 11100

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9771	45.2347	49.2119	127.2794	-4.7912	3.97760
-6.80	3.9745	45.1927	49.1672	125.4064	-4.5915	3.97505
-6.60	3.9703	45.1272	49.0975	123.5115	-4.3920	3.97104
-6.40	3.9639	45.0250	48.9889	121.5823	-4.1927	3.96478

T = 11100

LJG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-6.20	3.9539	44.8661	48.8201	119.6001	-3.9938	3.95502
-6.00	3.9396	44.6213	48.6599	117.5377	-3.7955	3.93996
-5.80	3.9153	44.2489	48.1642	115.3565	-3.5980	3.91704
-5.60	3.8908	43.6939	47.5746	113.0058	-3.4019	3.88287
-5.40	3.8378	42.8899	46.7207	110.4255	-3.2075	3.83335
-5.20	3.7613	41.7597	45.5311	107.5565	-3.0155	3.76434
-5.00	3.6693	40.2941	43.9534	104.3590	-2.8262	3.67282
-4.80	3.5543	38.4241	41.9783	100.8349	-2.6401	3.55824
-4.60	3.4192	36.2368	39.6560	97.0413	-2.4569	3.42352
-4.40	3.2701	33.8212	37.0913	93.0850	-2.2763	3.27476
-4.20	3.1150	31.3051	34.4201	89.0987	-2.0974	3.11986
-4.00	2.9618	28.4166	31.7784	85.2108	-1.9193	2.96667
-3.80	2.8168	25.4605	29.2774	81.5247	-1.7411	2.82168
-3.60	2.6846	24.3085	26.9931	78.1066	-1.5619	2.68926
-3.40	2.5673	22.3988	24.9661	74.9884	-1.3813	2.57177
-3.20	2.4656	20.7427	23.2084	72.1740	-1.1989	2.46987
-3.00	2.3791	19.3322	21.7114	69.5486	-1.0144	2.38308
-2.80	2.3065	18.1473	20.4544	67.3858	-0.8279	2.31019
-2.60	2.2463	17.1641	19.4104	65.3543	-0.6394	2.24962
-2.40	2.1766	16.3537	18.5503	63.5212	-0.4491	2.19967
-2.20	2.1559	15.6898	17.9457	61.8555	-0.2572	2.15869
-2.00	2.1226	15.1475	17.2701	60.3283	-0.0639	2.12511
-1.80	2.0952	14.7042	16.7094	58.9140	0.1304	2.09751
-1.60	2.0725	14.3395	16.4120	57.5899	0.3257	2.07455
-1.40	2.0532	14.0350	16.0882	56.3354	0.5215	2.05500
-1.20	2.0361	13.7730	15.8091	55.1319	0.7180	2.03763
-1.00	2.0198	13.5359	15.5557	53.9610	0.9145	2.02110
-0.80	2.0030	13.3051	15.3081	52.8039	1.1108	2.00393
-0.60	1.9838	13.0599	15.0438	51.6406	1.3067	1.98437
-0.40	1.9604	12.7775	14.7378	50.4497	1.5015	1.96041
-0.20	1.9306	12.4344	14.3650	49.2105	1.6949	1.92996
0.0	1.8929	12.0110	13.9039	47.9064	1.8863	1.89119
0.20	1.8463	11.4972	13.3435	46.5313	2.0755	1.84318
0.40	1.7917	10.8980	12.6897	45.0942	2.2624	1.78636
0.60	1.7312	10.2340	11.9651	43.6189	2.4475	1.72263
0.80	1.6581	9.5364	11.2046	42.1386	2.6314	1.65486
1.00	1.6065	8.8389	10.4454	40.6873	2.8150	1.58614
1.20	1.5500	8.1703	9.7203	39.2923	2.9995	1.51907
1.40	1.5022	7.5506	9.0529	37.9702	3.1859	1.45544
1.60	1.4669	6.9910	8.4579	36.7275	3.3756	1.39614
1.80	1.4485	6.4949	7.9435	35.5600	3.5701	1.34134
2.00	1.4531	6.0616	7.5147	34.4605	3.7715	1.29071
2.20	1.4894	5.6891	7.1785	33.4119	3.9822	1.24367

T = 11200

LJG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-7.00	3.9778	44.7025	48.8803	127.3513	-4.7873	3.97820
-6.80	3.9754	44.8561	48.8415	125.4836	-4.5875	3.97598
-6.60	3.9718	44.9096	48.7814	123.5971	-4.3879	3.97250
-6.40	3.9562	44.7213	48.6875	121.6810	-4.1886	3.96705
-6.20	3.9575	44.5841	48.5415	119.7191	-3.9895	3.95856
-6.00	3.9440	44.3719	48.3159	117.6873	-3.7910	3.94541
-5.80	3.9236	44.0476	47.9712	115.5511	-3.5932	3.92529
-5.60	3.8930	43.5607	47.4537	113.2640	-3.3966	3.89507

T= 11200

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-5.40	3.8483	42.8486	46.6969	110.7688	-3.2017	3.85085
-5.20	3.7854	41.3432	45.6286	108.0049	-3.0088	3.78841
-5.00	3.7006	40.4877	44.1883	104.9248	-2.8186	3.70420
-4.80	3.5927	38.7584	42.3511	101.5153	-2.6315	3.59677
-4.60	3.4634	36.6839	40.1474	97.8154	-2.4474	3.46792
-4.40	3.3180	34.3479	37.6659	93.9174	-2.2660	3.32285
-4.20	3.1640	31.8710	35.0350	89.9479	-2.0867	3.16906
-4.00	3.0094	29.3830	32.3924	86.0384	-1.9084	3.01460
-3.80	2.8613	26.9967	29.8580	82.3005	-1.7304	2.86649
-3.60	2.7248	24.7939	27.5186	78.8121	-1.5516	2.72979
-3.40	2.6026	22.8224	25.4251	75.6147	-1.3715	2.60747
-3.20	2.4961	21.1011	23.5972	72.7200	-1.1897	2.50066
-3.00	2.4049	19.6273	22.0322	70.1184	-1.0058	2.40921
-2.80	2.3281	18.3845	20.7126	67.7863	-0.8199	2.33207
-2.60	2.2641	17.3489	19.6131	65.6939	-0.6320	2.26777
-2.40	2.2113	16.4937	18.7050	63.8086	-0.4423	2.21463
-2.20	2.1679	15.7919	17.9598	62.0988	-0.2509	2.17096
-2.00	2.1324	15.2181	17.3506	60.5351	-0.0581	2.13516
-1.80	2.1033	14.7492	16.8525	59.0911	0.1360	2.10576
-1.60	2.0792	14.3642	16.4434	57.7432	0.3310	2.08139
-1.40	2.0588	14.0441	16.1029	56.4704	0.5267	2.06078
-1.20	2.0410	13.7710	15.8120	55.2535	0.7229	2.04269
-1.00	2.0244	13.5275	15.5519	54.0739	0.9194	2.02579
-0.80	2.0075	13.2951	15.3026	52.9130	1.1157	2.00863
-0.60	1.9908	13.0535	15.0423	51.7511	1.3117	1.98951
-0.40	1.9663	12.7802	14.7465	50.5671	1.5067	1.96645
-0.20	1.9379	12.4520	14.3899	49.3396	1.7004	1.93733
0.0	1.9018	12.0478	13.9497	48.0510	1.8922	1.90023
0.20	1.8571	11.5552	13.4123	46.6926	2.0819	1.85397
0.40	1.8040	10.9757	12.7796	45.2698	2.2693	1.79867
0.60	1.7445	10.3265	12.0710	43.8035	2.4547	1.73595
0.80	1.6818	9.6373	11.3191	42.3253	2.6389	1.66852
1.00	1.6199	8.9413	10.5613	40.8692	2.8225	1.59949
1.20	1.5627	8.2687	9.8314	39.4641	3.0069	1.53160
1.40	1.5139	7.6412	9.1551	38.1287	3.1932	1.46680
1.60	1.4774	7.0717	8.5490	36.8709	3.3826	1.40617
1.80	1.4577	6.5650	8.0227	35.6892	3.5767	1.35000
2.00	1.4611	6.1213	7.5825	34.5745	3.7778	1.29805
2.20	1.4962	5.7396	7.2358	33.5132	3.9881	1.24980

T= 11300

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9793	44.5748	48.5531	127.4213	-4.7834	3.97872
-6.80	3.9762	44.5431	48.5193	125.5580	-4.5836	3.97678
-6.60	3.9731	44.4941	48.4672	123.6785	-4.3839	3.97375
-6.40	3.9681	44.4179	48.3859	121.7736	-4.1845	3.96901
-6.20	3.9605	44.2989	48.2594	119.8289	-3.9853	3.96160
-6.00	3.9487	44.1147	48.0634	117.9234	-3.7866	3.95009
-5.80	3.9307	43.8321	47.7629	115.7262	-3.5885	3.93243
-5.60	3.9036	43.4053	47.3089	113.4950	-3.3916	3.90572
-5.40	3.8638	42.7753	46.6391	111.0760	-3.1961	3.86629
-5.20	3.8069	41.8753	45.6822	108.4090	-3.0025	3.80993
-5.00	3.7292	40.6432	44.3723	105.4408	-2.8115	3.73275
-4.80	3.6284	39.0430	42.6714	102.1457	-2.6233	3.63253

T = 11300

LOG RHO	Z	E/R T	H/R T	S/R	LOG P	Z*
-4.60	3.5053	37.0859	40.5912	93.5452	-2.4383	3.50995
-4.40	3.3642	34.8388	38.2030	94.7159	-2.2562	3.36924
-4.20	3.2120	32.4128	35.6248	90.7754	-2.0763	3.21734
-4.00	3.0569	29.9367	32.9936	86.8557	-1.8978	3.06233
-3.80	2.9062	27.5295	30.4357	83.0757	-1.7197	2.91165
-3.60	2.7657	25.2826	28.0482	79.5233	-1.5413	2.77104
-3.40	2.6339	23.2536	25.8925	76.2506	-1.3616	2.64408
-3.20	2.5275	21.4694	23.9969	73.2774	-1.1804	2.53244
-3.00	2.4317	19.9330	22.3647	70.5998	-0.9972	2.43630
-2.80	2.3505	18.6317	20.9822	68.1983	-0.8119	2.35486
-2.60	2.2827	17.5436	19.8263	66.0435	-0.6246	2.28673
-2.40	2.2266	16.6425	18.8692	64.1047	-0.4354	2.23028
-2.20	2.1805	15.9019	18.0823	62.3496	-0.2445	2.18381
-2.00	2.1427	15.2956	17.4382	60.7491	-0.0521	2.14569
-1.80	2.1117	14.8000	16.9117	59.2732	0.1416	2.11440
-1.60	2.0861	14.3936	16.4797	57.9005	0.3363	2.08853
-1.40	2.0646	14.0570	16.1216	56.6082	0.5318	2.06679
-1.20	2.0460	13.7719	15.8179	55.3768	0.7278	2.04788
-1.00	2.0299	13.5208	15.5499	54.1874	0.9242	2.03053
-0.80	2.0120	13.2855	15.2975	53.0216	1.1206	2.01328
-0.60	1.9936	13.0460	15.0396	51.8597	1.3166	1.99447
-0.40	1.9719	12.7804	14.7522	50.5808	1.5118	1.97217
-0.20	1.9447	12.4652	14.4099	49.4636	1.7058	1.94425
0.00	1.9102	12.0788	13.9899	48.1892	1.8980	1.90871
0.20	1.8672	11.6064	13.4735	46.8468	2.0881	1.86415
0.40	1.8156	11.0463	12.8620	45.4394	2.2760	1.81040
0.60	1.7573	10.4127	12.1700	43.9819	2.4518	1.74875
0.80	1.6952	9.7328	11.4280	42.5070	2.6461	1.68180
1.00	1.6331	9.0397	10.6729	41.0476	2.8299	1.61258
1.20	1.5752	8.3543	9.9396	39.5337	3.0143	1.54397
1.40	1.5234	7.7300	9.2555	38.2959	3.2003	1.47809
1.60	1.4878	7.1513	8.6391	37.0139	3.3895	1.41618
1.80	1.4669	6.6345	8.1015	35.8175	3.5833	1.35858
2.00	1.4491	6.1809	7.6501	34.6889	3.7840	1.30543
2.20	1.5030	5.7901	7.2931	33.6152	3.9939	1.25599

T = 11400

LOG RHO	Z	E/R T	H/R T	S/R	LOG P	Z*
-7.00	3.9787	44.2520	48.2307	127.4897	-4.7705	3.97919
-6.80	3.9769	44.2242	48.2011	125.6300	-4.5797	3.97747
-6.60	3.9741	44.1915	48.1557	123.7565	-4.3900	3.97483
-6.40	3.9698	44.1152	48.0851	121.8610	-4.1805	3.97068
-6.20	3.9631	44.0121	47.9752	119.9311	-3.9812	3.96421
-6.00	3.9528	43.8520	47.8047	117.9481	-3.7823	3.95413
-5.80	3.9369	43.6055	47.5424	115.8847	-3.5841	3.93861
-5.60	3.9129	43.2312	47.1441	113.7025	-3.3867	3.91500
-5.40	3.8774	42.6745	46.5518	111.3515	-3.1907	3.87988
-5.20	3.8251	41.8704	45.6965	108.7730	-2.9965	3.82912
-5.00	3.7550	40.7542	44.5092	105.9104	-2.8046	3.75864
-4.80	3.6613	39.2798	42.9412	102.7275	-2.6156	3.66554
-4.60	3.5448	37.4426	40.9874	99.2302	-2.4296	3.54953
-4.40	3.4035	35.2924	38.7009	95.4783	-2.2467	3.41376
-4.20	3.2539	32.9280	36.1869	91.5784	-2.0662	3.26449
-4.00	3.1039	30.4749	33.5788	87.5601	-1.8873	3.10954

T= 11400

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-3.80	2.9512	28.0565	31.0076	83.8475	-1.7092	2.95700
-3.60	2.8071	25.7727	28.5798	80.2383	-1.5310	2.81289
-3.40	2.6760	23.6909	26.3669	76.8947	-1.3518	2.68153
-3.20	2.5598	21.8464	24.4062	73.8452	-1.1710	2.56515
-3.00	2.4593	20.2486	22.7079	71.0924	-0.9884	2.46434
-2.80	2.3738	18.8889	21.2628	68.6205	-0.8038	2.37853
-2.60	2.3022	17.7478	20.0499	66.4032	-0.6171	2.30649
-2.40	2.2427	16.8002	19.0428	64.4096	-0.4285	2.24663
-2.20	2.1936	16.0195	18.2132	62.6078	-0.2381	2.19727
-2.00	2.1534	15.3797	17.5332	60.9674	-0.0461	2.15673
-1.80	2.1205	14.8565	16.9770	59.4604	0.1472	2.12346
-1.60	2.0933	14.4279	16.5212	58.0617	0.3416	2.09600
-1.40	2.0707	14.0738	16.1445	56.7490	0.5369	2.07303
-1.20	2.0512	13.7759	15.8271	55.5021	0.7328	2.05325
-1.00	2.0336	13.5163	15.5499	54.3020	0.9290	2.03536
-0.80	2.0165	13.2770	15.2935	53.1301	1.1254	2.01793
-0.60	1.9984	13.0384	15.0368	51.9670	1.3214	1.99934
-0.40	1.9773	12.7791	14.7563	50.7921	1.5168	1.97769
-0.20	1.9512	12.4757	14.4269	49.5839	1.7111	1.95088
0.0	1.9182	12.1059	14.0241	48.3228	1.9036	1.91682
0.20	1.8769	11.5530	13.5299	46.9958	2.0942	1.87393
0.40	1.8269	11.1125	12.9394	45.6021	2.2825	1.82176
0.60	1.7698	10.4951	12.2649	44.1562	2.4687	1.76131
0.80	1.7083	9.8257	11.5340	42.5859	2.6533	1.69493
1.00	1.6463	9.1366	10.7829	41.2244	2.8373	1.62564
1.20	1.5878	8.4594	10.0473	39.8027	3.0216	1.55640
1.40	1.5371	7.8191	9.3562	38.4432	3.2075	1.48950
1.60	1.4983	7.2316	8.7299	37.1573	3.3964	1.42634
1.80	1.4763	6.7050	8.1813	35.9465	3.5899	1.36751
2.00	1.4773	6.2415	7.7188	34.8039	3.7902	1.31295
2.20	1.5099	5.8417	7.3516	33.7177	3.9997	1.26228

T= 11500

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9791	43.9340	47.9132	127.5570	-4.7757	3.97957
-6.80	3.9775	43.9094	47.8870	125.7003	-4.5758	3.97807
-6.60	3.9751	43.8721	47.8472	123.8318	-4.3761	3.97575
-6.40	3.9713	43.8145	47.7857	121.9443	-4.1765	3.97212
-6.20	3.9654	43.7247	47.6901	120.0270	-3.9772	3.96645
-6.00	3.9563	43.5853	47.5416	118.0634	-3.7782	3.95762
-5.80	3.9423	43.3701	47.3124	116.0292	-3.5797	3.94396
-5.60	3.9210	43.0417	46.9628	113.8900	-3.3820	3.92310
-5.40	3.8893	42.5500	46.4394	111.5994	-3.1856	3.89183
-5.20	3.8432	41.8330	45.6761	109.1013	-2.9908	3.84621
-5.00	3.7784	40.8246	44.6030	106.3373	-2.7981	3.78203
-4.80	3.6916	39.4717	43.1633	103.2634	-2.6082	3.69591
-4.60	3.5818	37.7551	41.3369	99.8712	-2.4213	3.58663
-4.40	3.4509	35.7077	39.1586	96.2038	-2.2375	3.45630
-4.20	3.3046	33.4147	36.7193	92.3549	-2.0563	3.31734
-4.00	3.1503	30.9955	34.1458	88.4493	-1.8771	3.15638
-3.80	2.9962	28.5756	31.5719	84.6140	-1.6989	3.00238
-3.60	2.8491	26.2626	29.1118	80.9555	-1.5207	2.85522
-3.40	2.7138	24.1333	26.8471	77.5459	-1.3419	2.71975
-3.20	2.5931	22.2316	24.8247	74.4229	-1.1616	2.59877



T = 11500

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-3.00	2.4379	20.5738	23.7617	71.5959	-0.9796	2.49331
-2.80	2.3930	19.1560	21.5541	69.0537	-0.7956	2.40310
-2.60	2.3224	17.9615	20.2839	66.7728	-0.6095	2.32707
-2.40	2.2594	16.9665	19.2260	64.7234	-0.4215	2.26371
-2.20	2.2074	16.1451	18.3525	62.8739	-0.2315	2.21135
-2.00	2.1647	15.4708	17.6355	61.1932	-0.0400	2.16829
-1.80	2.1297	14.9190	17.0487	59.6529	0.1529	2.13294
-1.60	2.1009	14.4672	16.5681	58.2272	0.3470	2.10382
-1.40	2.0769	14.0948	16.1718	56.8930	0.5420	2.07954
-1.20	2.0565	13.7831	15.8397	55.6297	0.7377	2.05881
-1.00	2.0383	13.5142	15.5525	54.4179	0.9338	2.04030
-0.80	2.0210	13.2699	15.2909	53.2390	1.1301	2.02261
-0.60	2.0030	13.0312	15.0342	52.0736	1.3262	2.00414
-0.40	1.9825	12.7768	14.7593	50.9014	1.5218	1.98305
-0.20	1.9574	12.4838	14.4412	49.7010	1.7162	1.95724
0.0	1.9258	12.1294	14.0553	48.4522	1.9092	1.92458
0.20	1.8862	11.6954	13.5816	47.1402	2.1001	1.88333
0.40	1.8379	11.1743	13.0122	45.7613	2.2889	1.83277
0.60	1.7821	10.5737	12.3557	44.3270	2.4755	1.77359
0.80	1.7213	9.9158	11.6372	42.8624	2.6604	1.70790
1.00	1.6594	9.2320	10.8314	41.4001	2.8445	1.63867
1.20	1.6005	8.5540	10.1545	39.9718	3.0288	1.56890
1.40	1.5490	7.9083	9.4573	38.6014	3.2146	1.50104
1.60	1.5091	7.3127	8.8218	37.3022	3.4033	1.43667
1.80	1.4858	6.7765	8.2624	36.0772	3.5965	1.37652
2.00	1.4856	6.3032	7.7889	34.9207	3.7965	1.32065
2.20	1.5170	5.8944	7.4114	33.8220	4.0055	1.26873

T = 11600

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9795	43.6211	47.6006	127.6230	-4.7719	3.97793
-6.80	3.9781	43.5991	47.5772	125.7687	-4.5720	3.97860
-6.60	3.9759	43.5563	47.5422	123.9044	-4.3722	3.97655
-6.40	3.9725	43.5159	47.4884	122.0237	-4.1726	3.97337
-6.20	3.9673	43.4376	47.4049	120.1172	-3.9732	3.96839
-6.00	3.9593	43.3159	47.2753	118.1702	-3.7741	3.96063
-5.80	3.9470	43.1277	47.0747	116.1613	-3.5754	3.94860
-5.60	3.9281	42.8395	46.7677	114.0595	-3.3775	3.93015
-5.40	3.8998	42.4053	46.3051	111.8224	-3.1806	3.90232
-5.20	3.8583	41.7666	45.6249	109.3967	-2.9853	3.86137
-5.00	3.7994	40.8578	44.6573	106.7240	-2.7920	3.80308
-4.80	3.7194	39.6205	43.3398	103.7545	-2.6012	3.72368
-4.60	3.6162	38.0234	41.5396	100.4675	-2.4134	3.62120
-4.40	3.4912	36.0831	39.5743	96.8899	-2.2287	3.49668
-4.20	3.3487	33.8699	37.2186	93.1013	-2.0468	3.35467
-4.00	3.1960	31.4949	34.6909	89.2191	-1.8671	3.20229
-3.80	3.0411	29.0835	32.1246	85.3713	-1.6887	3.04757
-3.60	2.8914	26.7493	29.6407	81.5716	-1.5106	2.89785
-3.40	2.7522	24.5782	27.3304	78.2016	-1.3320	2.75859
-3.20	2.6271	22.6230	25.2500	75.0084	-1.1522	2.63319
-3.00	2.5173	20.9072	23.4245	72.1087	-0.9707	2.52313
-2.80	2.4230	19.4320	21.8550	69.4967	-0.7873	2.42850
-2.60	2.3433	18.1840	20.5273	67.1518	-0.6018	2.34943
-2.40	2.2768	17.1412	19.4180	65.0457	-0.4144	2.28148

T= 11600						
LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-2.20	2.2217	16.2780	18.4998	63.1472	-0.2250	2.22502
-2.00	2.1764	15.5684	17.7448	61.4252	-0.0339	2.18036
-1.80	2.1393	14.9872	17.1265	59.8505	0.1586	2.14285
-1.60	2.1088	14.5113	16.6201	58.3967	0.3523	2.11197
-1.40	2.0835	14.1198	16.2033	57.0401	0.5471	2.08632
-1.20	2.0620	13.7935	15.8555	55.7594	0.7426	2.06455
-1.00	2.0432	13.5142	15.5574	54.5350	0.9386	2.04534
-0.80	2.0255	13.2640	15.2895	53.3479	1.1348	2.02730
-0.60	2.0075	13.0239	15.0314	52.1791	1.3310	2.00886
-0.40	1.9875	12.7731	14.7605	51.0083	1.5266	1.98820
-0.20	1.9633	12.4889	14.4523	49.8143	1.7213	1.96326
0.0	1.9330	12.1484	14.0815	48.5763	1.9145	1.93188
0.20	1.8949	11.7321	13.6270	47.2782	2.1059	1.89219
0.40	1.8482	11.2298	13.0780	45.9137	2.2951	1.84321
0.60	1.7938	10.5461	12.4399	44.4911	2.4821	1.78534
0.80	1.7339	10.0005	11.7344	43.0331	2.6673	1.72045
1.00	1.6722	9.3229	10.9951	41.5712	2.8516	1.65139
1.20	1.6130	8.6453	10.2583	40.1374	3.0359	1.58120
1.40	1.5607	7.9953	9.5560	38.7570	3.2216	1.51247
1.60	1.5199	7.3923	8.9121	37.4453	3.4101	1.44696
1.80	1.4954	6.8472	8.3426	36.2066	3.6031	1.38553
2.00	1.4940	6.3645	7.8585	35.0366	3.8026	1.32836
2.20	1.5241	5.9471	7.4712	33.9257	4.0113	1.27522

T= 11700						
LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-7.00	3.9798	43.3133	47.2931	127.6884	-4.7681	3.98025
-6.80	3.9785	43.2933	47.2718	125.8359	-4.5682	3.97905
-6.60	3.9766	43.2642	47.2408	123.9750	-4.3684	3.97725
-6.40	3.9736	43.2200	47.1935	122.1001	-4.1688	3.97445
-6.20	3.9690	43.1515	47.1205	120.2028	-3.9693	3.97007
-6.00	3.9619	43.0451	47.0071	118.2701	-3.7700	3.96324
-5.80	3.9510	42.8803	46.8313	116.2831	-3.5712	3.95263
-5.60	3.9343	42.6271	46.5614	114.2140	-3.3731	3.93630
-5.40	3.9091	42.2437	46.1527	112.0241	-3.1759	3.91155
-5.20	3.8718	41.6752	45.5470	109.6636	-2.9800	3.87482
-5.00	3.8183	40.8579	44.6763	107.0749	-2.7861	3.82199
-4.80	3.7447	39.7298	43.4745	104.2045	-2.5945	3.74903
-4.60	3.6483	38.2499	41.8981	101.0214	-2.4059	3.65331
-4.40	3.5292	36.4194	39.9487	97.5375	-2.2203	3.53491
-4.20	3.3912	34.2932	37.6844	93.8172	-2.0376	3.39738
-4.00	3.2407	31.9720	35.2126	89.9686	-1.8573	3.24725
-3.80	3.0857	29.5787	32.6644	86.1187	-1.6786	3.09247
-3.60	2.9338	27.2317	30.1656	82.3857	-1.5005	2.94069
-3.40	2.7912	25.0249	27.8162	78.8612	-1.3222	2.79800
-3.20	2.6618	23.0201	25.6820	75.5015	-1.1428	2.66838
-3.00	2.5476	21.2485	23.7961	72.6310	-0.9618	2.55382
-2.80	2.4489	19.7169	22.1658	69.9496	-0.7790	2.45477
-2.60	2.3651	18.4154	20.7805	67.5403	-0.5941	2.37059
-2.40	2.2949	17.3242	19.6192	65.3766	-0.4072	2.29998
-2.20	2.2367	16.4187	18.6554	63.4282	-0.2184	2.24134
-2.00	2.1887	15.6729	17.8616	61.6637	-0.0278	2.19296
-1.80	2.1493	15.0613	17.2106	60.0536	0.1643	2.15320
-1.60	2.1170	14.5605	16.6775	58.5707	0.3578	2.12040

T = 11700

LOG RH0	Z	E/R T	H/R T	S/R	LOG P	Z*
-1.40	2.0933	14.1491	16.2393	57.1907	0.5522	2.09338
-1.20	2.0677	13.8073	15.8751	55.8917	0.7475	2.07051
-1.00	2.0481	13.5169	15.5651	54.6537	0.9434	2.05053
-0.80	2.0301	13.2598	15.2899	53.4576	1.1395	2.03206
-0.60	2.0129	13.0173	15.0294	52.2863	1.3357	2.01355
-0.40	1.9923	12.7690	14.7613	51.1138	1.5314	1.99324
-0.20	1.9690	12.4925	14.4615	49.9251	1.7263	1.96908
0.0	1.9399	12.1547	14.1066	48.6970	1.9198	1.93889
0.20	1.9033	11.7650	13.6683	47.4121	2.1115	1.90070
0.40	1.8582	11.2813	13.1395	46.0619	2.3011	1.85330
0.60	1.8052	10.7148	12.5199	44.6516	2.4886	1.79680
0.80	1.7462	10.0822	11.8285	43.2013	2.6741	1.73280
1.00	1.6849	9.4119	11.0968	41.7409	2.8586	1.66402
1.20	1.6255	8.7357	10.3612	40.3027	3.0430	1.59351
1.40	1.5724	8.0823	9.6547	38.9133	3.2286	1.52399
1.60	1.5306	7.4724	9.0030	37.5895	3.4160	1.45737
1.80	1.5050	6.9186	8.4237	36.3375	3.6096	1.39467
2.00	1.5025	6.4268	7.9293	35.1543	3.8088	1.33621
2.20	1.5313	6.0008	7.5320	34.0311	4.0171	1.28183

T = 11000

LOG RH0	Z	E/R T	H/R T	S/R	LOG P	Z*
-7.00	3.9801	43.0105	46.9907	127.7528	-4.7644	3.98055
-6.80	3.9739	42.9921	46.8710	125.9017	-4.5545	3.97947
-6.60	3.9772	42.9560	46.9432	124.0436	-4.3647	3.97786
-6.40	3.9746	42.9270	46.9015	122.1736	-4.1550	3.97538
-6.20	3.9775	42.8669	46.8374	120.2840	-3.9654	3.97152
-6.00	3.9642	42.7737	46.7379	118.3636	-3.7661	3.96550
-5.80	3.9545	42.6291	46.5836	116.3956	-3.5672	3.95613
-5.60	3.9397	42.4064	46.3461	114.3550	-3.3688	3.94167
-5.40	3.9172	42.0576	45.9848	112.2067	-3.1713	3.91963
-5.20	3.8837	41.5520	45.4457	109.9044	-2.9750	3.88672
-5.00	3.8352	40.8280	44.6633	107.3924	-2.7805	3.83891
-4.80	3.7677	39.8021	43.5698	104.6151	-2.5882	3.77205
-4.60	3.6779	38.4355	42.1134	101.5333	-2.3987	3.68297
-4.40	3.5651	36.7159	40.2810	98.1451	-2.2122	3.57087
-4.20	3.4419	34.6824	38.1143	94.4998	-2.0287	3.43829
-4.00	3.2842	32.4235	35.7077	90.6942	-1.8478	3.29103
-3.80	3.1297	30.0580	33.1877	86.8517	-1.6688	3.13682
-3.60	2.9763	27.7067	30.6830	83.0943	-1.4906	2.98354
-3.40	2.8306	25.4708	28.3014	79.5219	-1.3124	2.83781
-3.20	2.6972	23.4210	26.1182	76.1998	-1.1333	2.70421
-3.00	2.5786	21.5962	24.1747	73.1609	-0.9529	2.58527
-2.80	2.4755	20.0094	22.4849	70.4111	-0.7706	2.48183
-2.60	2.3876	18.6548	21.0424	67.9374	-0.5863	2.39351
-2.40	2.3137	17.5150	19.8287	65.7157	-0.4000	2.31917
-2.20	2.2522	16.5666	18.8188	63.7163	-0.2116	2.25726
-2.00	2.2015	15.7837	17.9852	61.9084	-0.0215	2.20610
-1.80	2.1598	15.1410	17.3008	60.2618	0.1701	2.16400
-1.60	2.1256	14.6146	16.7401	58.7489	0.3632	2.12937
-1.40	2.0973	14.1824	16.2797	57.3446	0.5574	2.10073
-1.20	2.0737	13.8245	15.8981	56.0264	0.7525	2.07668
-1.00	2.0532	13.5222	15.5754	54.7740	0.9482	2.05585
-0.80	2.0347	13.2573	15.2920	53.5679	1.1442	2.03688

T = 11800						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-0.60	2.0165	13.0114	15.0280	52.3892	1.3403	2.01823
-0.40	1.9971	12.7644	14.7615	51.2179	1.5361	1.99816
-0.20	1.9744	12.4943	14.4687	50.0332	1.7312	1.97467
0.0	1.9464	12.1779	14.1243	48.8138	1.9250	1.94557
0.20	1.9113	11.7939	13.7052	47.5412	2.1171	1.90980
0.40	1.8678	11.3280	13.1958	46.2048	2.3071	1.86296
0.60	1.8162	10.7787	12.5949	44.8070	2.4949	1.80787
0.80	1.7582	10.1598	11.9181	43.3649	2.6808	1.74485
1.00	1.6974	9.4977	11.1951	41.9071	2.8655	1.67645
1.20	1.6378	8.8240	10.4618	40.4656	3.0500	1.60573
1.40	1.5842	8.1580	9.7522	39.0680	3.2355	1.53550
1.60	1.5414	7.5520	9.0934	37.7329	3.4236	1.46783
1.80	1.5148	6.9900	8.5049	36.4680	3.6161	1.40391
2.00	1.5110	6.4893	8.0004	35.2716	3.8150	1.34417
2.20	1.5386	6.0550	7.5935	34.1364	4.0228	1.28855

T = 11900						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9804	42.7130	46.6934	127.8170	-4.7507	3.98083
-6.80	3.9793	42.5956	46.5749	125.9667	-4.5608	3.97984
-6.60	3.9777	42.6720	46.6497	124.1109	-4.3610	3.97839
-6.40	3.9754	42.6373	46.6127	122.2449	-4.1612	3.97620
-6.20	3.9718	42.5843	46.5561	120.3620	-3.9616	3.97279
-6.00	3.9662	42.5024	46.4685	118.4522	-3.7622	3.96747
-5.80	3.9576	42.3754	46.3330	116.5005	-3.5632	3.95918
-5.60	3.9444	42.1793	46.1237	114.4848	-3.3646	3.94635
-5.40	3.9243	41.8799	45.8041	112.3732	-3.1668	3.92674
-5.20	3.8942	41.4302	45.3244	110.1228	-2.9702	3.89725
-5.00	3.8504	40.7719	44.6223	107.6807	-2.7751	3.85405
-4.80	3.7985	39.9411	43.6297	104.9902	-2.5821	3.79293
-4.60	3.7352	38.5934	42.2885	102.0061	-2.3918	3.71031
-4.40	3.5987	36.9743	40.5730	98.7144	-2.2044	3.60450
-4.20	3.4708	35.0377	38.5085	95.1493	-2.0202	3.47735
-4.00	3.3264	32.8491	36.1755	91.3952	-1.8386	3.33355
-3.80	3.1731	30.5203	33.6934	87.5696	-1.6591	3.18054
-3.60	3.0187	28.1732	31.1919	83.7966	-1.4808	3.02632
-3.40	2.8704	25.9151	28.7854	80.1829	-1.3027	2.87797
-3.20	2.7332	23.9250	26.5582	76.8032	-1.1239	2.74065
-3.00	2.6103	21.9500	24.5603	73.6985	-0.9439	2.61748
-2.80	2.5029	20.3095	22.8125	70.8813	-0.7621	2.50970
-2.60	2.4108	18.9024	21.3132	68.3434	-0.5784	2.41722
-2.40	2.3332	17.7138	20.0470	66.0630	-0.3926	2.33908
-2.20	2.2694	16.7218	18.9902	64.0121	-0.2049	2.27382
-2.00	2.2148	15.9013	18.1161	62.1597	-0.0153	2.21978
-1.80	2.1707	15.2267	17.3974	60.4756	0.1760	2.17526
-1.60	2.1345	14.6737	16.8082	58.9316	0.3687	2.13864
-1.40	2.1047	14.2200	16.3247	57.5021	0.5625	2.10839
-1.20	2.0798	13.8452	15.9250	56.1639	0.7574	2.08308
-1.00	2.0585	13.5302	15.5887	54.8961	0.9529	2.06135
-0.80	2.0394	13.2569	15.2962	53.6793	1.1489	2.04180
-0.60	2.0210	13.0067	15.0277	52.4942	1.3450	2.02292
-0.40	2.0017	12.7600	14.7617	51.3212	1.5408	2.00301
-0.20	1.9796	12.4951	14.4748	50.1394	1.7360	1.98010
0.0	1.9527	12.1890	14.1417	48.9277	1.9300	1.95201

T = 11900

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
0.20	1.9139	11.8197	13.7386	47.5665	2.1225	1.91650
0.40	1.8770	11.3711	13.2482	46.3437	2.3129	1.87229
0.60	1.8269	10.8391	12.6660	44.9586	2.5011	1.81864
0.80	1.7700	10.2345	12.0045	43.5257	2.6874	1.75669
1.00	1.7097	9.5815	11.2913	42.0714	2.8723	1.68877
1.20	1.6502	8.9112	10.5513	40.6275	3.0569	1.61794
1.40	1.5950	8.2534	9.8495	39.2227	3.2424	1.54707
1.60	1.5524	7.6319	9.1843	37.8758	3.4304	1.47841
1.80	1.5247	7.0622	8.5869	36.5994	3.6226	1.41329
2.00	1.5108	6.5529	8.0725	35.3901	3.8212	1.35226
2.20	1.5460	6.1102	7.6562	34.2430	4.0286	1.29540

T = 12000

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9907	42.4207	46.4014	127.8811	-4.7570	3.98111
-6.80	3.9797	42.4038	46.3835	126.0312	-4.5571	3.98018
-6.60	3.9782	42.3821	46.3603	124.1771	-4.3573	3.97887
-6.40	3.9761	42.3510	46.3271	122.3145	-4.1575	3.97691
-6.20	3.9729	42.3042	46.2771	120.4372	-3.9579	3.97389
-6.00	3.9679	42.2320	46.1999	118.5365	-3.7584	3.96918
-5.80	3.9603	42.1202	46.0804	116.5990	-3.5592	3.96184
-5.60	3.9485	41.9473	45.8958	114.6049	-3.3605	3.95046
-5.40	3.9305	41.6824	45.6130	112.5256	-3.1625	3.93299
-5.20	3.9036	41.2826	45.1862	110.3214	-2.9655	3.90658
-5.00	3.8639	40.6927	44.5565	107.9425	-2.7699	3.86758
-4.80	3.8174	39.8499	43.6573	105.3326	-2.5763	3.81182
-4.60	3.7702	38.6957	42.4259	102.4419	-2.3852	3.73543
-4.40	3.6301	37.1955	40.8257	99.2462	-2.1970	3.63612
-4.20	3.5078	35.3589	38.8667	95.7652	-2.0119	3.51451
-4.00	3.3673	33.2473	36.6146	92.0790	-1.8297	3.37468
-3.80	3.2157	30.9538	34.1795	88.2705	-1.6497	3.22348
-3.60	3.0609	28.5293	31.6902	84.4905	-1.4711	3.06889
-3.40	2.9103	26.3561	29.2664	80.8427	-1.2930	2.91837
-3.20	2.7698	24.2309	27.0007	77.4102	-1.1145	2.77765
-3.00	2.6428	22.3091	24.9518	74.2427	-0.9349	2.65040
-2.80	2.5311	20.6167	23.1478	71.3598	-0.7537	2.53833
-2.60	2.4349	19.1577	21.5925	68.7579	-0.5705	2.44169
-2.40	2.3533	17.9203	20.2737	66.4187	-0.3953	2.35970
-2.20	2.2851	16.8844	19.1696	64.3152	-0.1980	2.29103
-2.00	2.2286	16.0255	18.2541	62.4174	-0.0089	2.23402
-1.80	2.1821	15.3182	17.5903	60.6949	0.1819	2.18700
-1.60	2.1438	14.7380	16.9818	59.1189	0.3742	2.14830
-1.40	2.1123	14.2620	16.3743	57.6632	0.5678	2.11636
-1.20	2.0861	13.8694	15.9556	56.3041	0.7624	2.08973
-1.00	2.0639	13.5410	15.6049	55.0202	0.9577	2.06701
-0.80	2.0441	13.2583	15.3024	53.7917	1.1535	2.04681
-0.60	2.0255	13.0029	15.0284	52.5993	1.3495	2.02762
-0.40	2.0083	12.7554	14.7617	51.4234	1.5454	2.00777
-0.20	1.9947	12.4945	14.4792	50.2433	1.7407	1.98533
0.00	1.9846	12.1972	14.1559	49.0379	1.9350	1.95812
0.20	1.9761	11.8413	13.7674	47.7872	2.1277	1.92397
0.40	1.8857	11.4091	13.2948	46.4770	2.3185	1.88113
0.60	1.8370	10.8939	12.7310	45.1043	2.5071	1.82890
0.80	1.7814	10.3038	12.0852	43.6808	2.6938	1.76404

T= 12000						
LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
1.00	1.7217	9.6607	11.3824	42.2310	2.8790	1.70072
1.20	1.6522	8.7946	10.6568	40.7859	3.0637	1.62987
1.40	1.6077	8.3361	9.9437	39.3747	3.2492	1.55847
1.60	1.5632	7.7099	9.2731	38.0190	3.4370	1.48888
1.80	1.5345	7.1331	8.6676	36.7296	3.6290	1.42261
2.00	1.5285	6.6156	8.1441	35.5079	3.8273	1.36034
2.20	1.5534	6.1652	7.7185	34.3492	4.0343	1.30227

T= 12100						
LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-7.00	3.9810	42.1338	46.1148	127.9448	-4.7534	3.98139
-6.90	3.9800	42.1169	46.0969	126.0949	-4.5535	3.98051
-6.80	3.9787	42.0965	46.0752	124.2420	-4.3536	3.97931
-6.70	3.9768	42.0584	46.0452	122.3820	-4.1538	3.97755
-6.60	3.9739	42.0267	46.0006	120.5096	-3.9541	3.97485
-6.50	3.9694	41.9529	45.9324	118.6167	-3.7545	3.97067
-6.40	3.9626	41.8642	45.8268	116.6915	-3.5554	3.96416
-6.30	3.9521	41.7116	45.6637	114.7162	-3.3565	3.95405
-6.20	3.9361	41.4770	45.4131	112.6651	-3.1583	3.93847
-6.10	3.9118	41.1214	45.0332	110.5021	-2.9610	3.91481
-6.00	3.8760	40.5931	44.4691	108.1801	-2.7650	3.87963
-5.90	3.8244	39.8310	43.6554	105.6442	-2.5708	3.82884
-5.80	3.7531	38.7744	42.5275	102.8420	-2.3790	3.75838
-5.70	3.6593	37.3804	41.0397	99.7404	-2.1900	3.66540
-5.60	3.5428	35.6452	39.1880	96.3461	-2.0040	3.54963
-5.50	3.4067	33.6159	37.0226	92.7160	-1.8210	3.41423
-5.40	3.2573	31.3857	34.6430	88.9510	-1.6405	3.26541
-5.30	3.1027	29.0722	32.1748	85.1726	-1.4615	3.11102
-5.20	2.9504	26.7911	29.7415	81.4982	-1.2835	2.95881
-5.10	2.8057	24.5364	27.4431	78.0184	-1.1052	2.81504
-5.00	2.6758	22.5714	25.3473	74.7917	-0.9259	2.68391
-4.90	2.5599	20.9295	23.4894	71.8449	-0.7451	2.56766
-4.80	2.4595	19.4196	21.8791	69.1799	-0.5625	2.46686
-4.70	2.3742	18.1337	20.5079	66.7816	-0.3778	2.38100
-4.60	2.3025	17.0536	19.3561	64.6252	-0.1912	2.30884
-4.50	2.2430	16.1559	18.3988	62.6813	-0.0025	2.24880
-4.40	2.1939	15.4152	17.6091	60.9195	0.1878	2.19920
-4.30	2.1535	14.8070	16.9605	59.3106	0.3798	2.15834
-4.20	2.1203	14.3081	16.4284	57.8278	0.5730	2.12465
-4.10	2.0927	13.8972	15.9899	56.4470	0.7673	2.09663
-4.00	2.0694	13.5546	15.6240	55.1463	0.9625	2.07286
-3.90	2.0490	13.2619	15.3108	53.9053	1.1582	2.05193
-3.80	2.0300	13.0005	15.0305	52.7048	1.3541	2.03237
-3.70	2.0108	12.7513	14.7621	51.5251	1.5500	2.01250
-3.60	1.9896	12.4933	14.4829	50.3459	1.7454	1.99044
-3.50	1.9644	12.2039	14.1683	49.1459	1.9399	1.96404
-3.40	1.9331	11.8604	13.7935	47.9046	2.1329	1.93107
-3.30	1.8941	11.4439	13.3381	46.6066	2.3240	1.88966
-3.20	1.8469	10.9455	12.7924	45.2465	2.5131	1.83888
-3.10	1.7925	10.3702	12.1627	43.8330	2.7001	1.77919
-3.00	1.7335	9.7377	11.4712	42.3885	2.8856	1.71254
-2.90	1.6742	9.0768	10.7510	40.9431	3.0704	1.64178
-2.80	1.6193	8.4183	10.0376	39.5265	3.2560	1.56992
-2.70	1.5741	7.7881	9.3622	38.1614	3.4437	1.49946

T = 12100						
LOG RHO	Z	F/RT	H/RT	S/R	LOG P	Z*
1.80	1.5445	7.2046	8.7491	36.9606	3.6354	1.43206
2.00	1.5373	6.6792	8.2165	35.6266	3.8334	1.36856
2.20	1.5608	6.2211	7.7820	34.4565	4.0400	1.30927

T = 12200						
LOG RHO	Z	F/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9313	41.8522	45.8335	128.0090	-4.7498	3.98169
-6.80	3.9803	41.8349	45.8152	126.1584	-4.5499	3.98082
-6.60	3.9791	41.3154	45.7944	124.3061	-4.3500	3.97970
-6.40	3.9773	41.7896	45.7659	122.4483	-4.1502	3.97811
-6.20	3.9747	41.7522	45.7270	120.5797	-3.9505	3.97570
-6.00	3.9708	41.6956	45.6664	118.6937	-3.7509	3.97198
-5.80	3.9647	41.5083	45.5730	116.7791	-3.5516	3.96619
-5.60	3.9553	41.4733	45.4285	114.8203	-3.3526	3.95719
-5.40	3.9409	41.2654	45.2063	112.7940	-3.1542	3.94329
-5.20	3.9191	40.9489	44.8680	110.6674	-2.9566	3.92210
-5.00	3.8867	40.4759	44.3627	108.3966	-2.7602	3.89037
-4.80	3.8398	39.7878	43.6275	105.9287	-2.5655	3.84418
-4.60	3.7741	38.8226	42.5966	103.2096	-2.3730	3.77034
-4.40	3.6864	37.5313	41.2177	100.1996	-2.1832	3.69257
-4.20	3.5758	35.8979	39.4735	96.8932	-1.9964	3.58277
-4.00	3.4444	33.9554	37.3998	93.3336	-1.8127	3.45218
-3.80	3.2979	31.7855	35.0835	89.6109	-1.6315	3.30629
-3.60	3.1440	29.5010	32.6450	85.8430	-1.4523	3.15248
-3.40	2.9904	27.2195	30.2099	82.1488	-1.2741	2.99925
-3.20	2.8439	25.0411	27.8850	78.5275	-1.0959	2.85277
-3.00	2.7094	23.0370	25.7464	75.3453	-0.9169	2.71800
-2.80	2.5894	21.2478	23.8372	72.3367	-0.7366	2.59757
-2.60	2.4849	19.5982	22.1731	69.6094	-0.5545	2.49276
-2.40	2.3957	18.3542	20.7498	67.1522	-0.3704	2.40299
-2.20	2.3205	17.2297	19.5502	64.9424	-0.1842	2.32729
-2.00	2.2579	16.2926	18.5505	62.9516	0.0039	2.26415
-1.80	2.2061	15.5180	17.7242	61.1495	0.1938	2.21188
-1.60	2.1636	14.8812	17.0447	59.5069	0.3854	2.16879
-1.40	2.1285	14.3586	16.4871	57.9963	0.5783	2.13327
-1.20	2.0995	13.9286	16.0281	56.5929	0.7723	2.10379
-1.00	2.0752	13.5712	15.6463	55.2744	0.9673	2.07890
-0.80	2.0540	13.2676	15.3215	54.0202	1.1628	2.05719
-0.60	2.0345	12.9995	15.0341	52.8108	1.3587	2.03717
-0.40	2.0153	12.7477	14.7630	51.6265	1.5545	2.01721
-0.20	1.9944	12.4917	14.4861	50.4471	1.7500	1.99544
0.0	1.9699	12.2090	14.1788	49.2514	1.9446	1.96975
0.20	1.9377	11.8767	13.8154	48.0186	2.1379	1.93787
0.40	1.9021	11.4751	13.3772	46.7321	2.3294	1.89784
0.60	1.8564	10.9929	12.8493	45.3842	2.5189	1.84948
0.80	1.8032	10.4326	12.2359	43.9810	2.7063	1.79001
1.00	1.7451	9.8113	11.5564	42.5425	2.8920	1.72411
1.20	1.6861	9.1565	10.8425	41.0977	3.0771	1.65353
1.40	1.6309	8.4989	10.1298	39.6766	3.2626	1.58130
1.60	1.5851	7.8654	9.4505	38.3031	3.4503	1.51004
1.80	1.5545	7.2758	8.8303	36.9913	3.6418	1.44157
2.00	1.5442	6.7429	8.2891	35.7455	3.8395	1.37686
2.20	1.5634	6.2775	7.8459	34.5643	4.0457	1.31636

T = 12300						
LOG RHO	Z	E/RT	4/RT	S/R	LJG P	Z*
-7.00	3.9816	41.5763	45.5579	128.0735	-4.7462	3.98201
-6.80	3.9806	41.5579	45.5385	126.2218	-4.5463	3.98113
-6.60	3.9795	41.5387	45.5181	124.3697	-4.3464	3.98007
-6.40	3.9778	41.5147	45.4925	122.5135	-4.1465	3.97862
-6.20	3.9755	41.4909	45.4564	120.6483	-3.9468	3.97646
-6.00	3.9719	41.4304	45.4074	118.7678	-3.7472	3.97314
-5.80	3.9665	41.3530	45.3194	116.8624	-3.5478	3.96798
-5.60	3.9590	41.2333	45.1913	114.9178	-3.3488	3.95995
-5.40	3.9452	41.0488	44.9939	112.9134	-3.1502	3.94754
-5.20	3.9256	40.7670	44.6926	110.8190	-2.9523	3.92854
-5.00	3.8963	40.3436	44.2399	108.5941	-2.7556	3.89994
-4.80	3.8535	39.7227	43.5762	106.1881	-2.5604	3.85796
-4.60	3.7931	38.8427	42.6359	103.5467	-2.3672	3.79842
-4.40	3.7114	37.6497	41.3611	100.6244	-2.1767	3.71766
-4.20	3.6068	36.1173	39.7241	97.4066	-1.9891	3.61389
-4.00	3.4905	34.2648	37.7453	93.9215	-1.8046	3.48842
-3.80	3.3373	32.1616	35.4989	90.2480	-1.6228	3.34594
-3.60	3.1846	29.9138	33.0984	86.4983	-1.4432	3.19366
-3.40	3.0302	27.6391	30.6694	82.7923	-1.2648	3.03952
-3.20	2.8814	25.4430	28.3244	79.2355	-1.0866	2.89073
-3.00	2.7434	23.4042	26.1476	75.9020	-0.9079	2.75257
-2.80	2.6195	21.5705	24.1900	72.8341	-0.7280	2.62831
-2.60	2.5110	19.9627	22.4737	70.0457	-0.5464	2.51933
-2.40	2.4178	18.5811	20.9989	67.5298	-0.3628	2.42565
-2.20	2.3391	17.4123	19.7513	65.2563	-0.1772	2.34636
-2.00	2.2733	16.4355	18.7088	63.2280	0.0104	2.28004
-1.80	2.2188	15.6263	17.8452	61.3850	0.1999	2.22504
-1.60	2.1740	14.9602	17.1342	59.7077	0.3910	2.17965
-1.40	2.1371	14.4133	16.5504	58.1684	0.5836	2.14223
-1.20	2.1066	13.9636	16.0702	56.7418	0.7773	2.11122
-1.00	2.0811	13.5908	15.6718	55.4048	0.9720	2.08515
-0.80	2.0591	13.2758	15.3349	54.1367	1.1674	2.06259
-0.60	2.0391	13.0002	15.0393	52.9176	1.3632	2.04205
-0.40	2.0197	12.7450	14.7647	51.7278	1.5590	2.02192
-0.20	1.9991	12.4900	14.4891	50.5473	1.7546	2.00037
0.0	1.9752	12.2130	14.1882	49.3551	1.9494	1.97530
0.20	1.9461	11.8910	13.8371	48.1300	2.1420	1.94445
0.40	1.9099	11.5036	13.4134	46.8544	2.3348	1.90574
0.60	1.8656	11.0374	12.9030	45.5186	2.5246	1.85781
0.80	1.8137	10.4923	12.3060	44.1261	2.7123	1.80059
1.00	1.7565	9.8827	11.6392	42.6944	2.8984	1.73553
1.20	1.6978	9.2348	10.9326	41.2511	3.0837	1.66522
1.40	1.6425	8.5788	10.2214	39.8264	3.2693	1.59271
1.60	1.5961	7.9427	9.5399	38.4450	3.4568	1.52071
1.80	1.5646	7.3475	8.9120	37.1227	3.6482	1.45120
2.00	1.5552	6.8774	8.3626	35.8654	3.8455	1.38530
2.20	1.5750	6.3349	7.9109	34.6732	4.0513	1.32359

T = 12400						
LOG RHO	Z	E/RT	4/RT	S/R	LJG P	Z*
-7.00	3.9820	41.3061	45.2981	128.1388	-4.7425	3.98237
-6.80	3.9810	41.2859	45.2669	126.2852	-4.5427	3.98145
-6.60	3.9798	41.2665	45.2463	124.4327	-4.3429	3.98043
-6.40	3.9783	41.2438	45.2221	122.5775	-4.1430	3.97908



T = 12400

LOG RHO	Z	E/RT	A/RT	S/R	LOG P	Z*
-6.20	3.9762	41.2129	45.1891	120.7157	-3.9433	3.97713
-6.00	3.9729	41.1575	45.1476	118.8394	-3.7436	3.97415
-5.80	3.9680	41.0987	45.0667	116.9418	-3.5441	3.96954
-5.50	3.9575	40.9924	44.9529	115.0098	-3.3450	3.96238
-5.40	3.9499	40.9284	44.7773	113.0244	-3.1462	3.95128
-5.20	3.9313	40.5773	44.5085	110.9585	-2.9482	3.93423
-5.00	3.9048	40.1992	44.1730	109.7747	-2.7511	3.90845
-4.80	3.8659	39.6383	43.5043	106.4254	-2.5555	3.87634
-4.60	3.8174	38.8372	42.5477	103.8556	-2.3617	3.81575
-4.40	3.7345	37.7377	41.4722	101.0180	-2.1705	3.74078
-4.20	3.6358	36.3046	39.9403	97.8870	-1.9821	3.64302
-4.00	3.5148	34.5442	38.0589	94.4793	-1.7968	3.52290
-3.80	3.3754	32.5130	35.8884	90.8611	-1.6144	3.38429
-3.60	3.2244	30.3090	33.5334	87.1372	-1.4343	3.23384
-3.40	3.0698	28.0485	31.1183	83.4272	-1.2566	3.07952
-3.20	2.9190	25.8400	28.7599	79.9409	-1.0775	2.92881
-3.00	2.7779	23.7718	26.5408	76.4636	-0.8990	2.78755
-2.80	2.6502	21.8967	24.5469	73.3363	-0.7194	2.65952
-2.60	2.5376	20.2425	22.7802	70.4883	-0.5383	2.54654
-2.40	2.4406	18.8141	21.2546	67.9142	-0.3552	2.44845
-2.20	2.3592	17.5710	19.9592	65.5968	-0.1701	2.36604
-2.00	2.2932	16.5342	18.8735	63.5194	0.0170	2.29549
-1.80	2.2320	15.7401	17.9771	61.6257	0.2060	2.23868
-1.60	2.1848	15.0441	17.2289	59.9131	0.3967	2.19092
-1.40	2.1467	14.4723	16.6183	58.3443	0.5883	2.15153
-1.20	2.1140	14.0022	16.1161	56.8936	0.7824	2.11892
-1.00	2.0872	13.6133	15.7005	55.5375	0.9768	2.09161
-0.80	2.0643	13.2862	15.3505	54.2546	1.1720	2.06813
-0.60	2.0438	13.0023	15.0461	53.0250	1.3677	2.04700
-0.40	2.0241	12.7429	14.7671	51.8289	1.5635	2.02562
-0.20	2.0036	12.4879	14.4915	50.6464	1.7591	2.00520
0.0	1.9803	12.2154	14.1957	49.4564	1.9540	1.98065
0.20	1.9521	11.9026	13.8547	48.2379	2.1478	1.95071
0.40	1.9172	11.5281	13.4453	46.9722	2.3399	1.91323
0.60	1.8743	11.0771	12.9514	45.5479	2.5301	1.86668
0.80	1.8237	10.5469	12.3707	44.2660	2.7182	1.81072
1.00	1.7675	9.9495	11.7170	42.8415	2.9046	1.74655
1.20	1.7093	9.3091	11.0184	41.4006	3.0901	1.67660
1.40	1.6539	8.6557	10.3096	39.9730	3.2758	1.60380
1.60	1.6069	8.0177	9.6245	38.5847	3.4632	1.53124
1.80	1.5746	7.4175	8.9921	37.2527	3.6544	1.46075
2.00	1.5541	6.8700	8.4350	35.9843	3.8515	1.39369
2.20	1.5436	6.3919	7.9754	34.7817	4.0569	1.33083

T = 12500

LOG RHO	Z	E/RT	A/RT	S/R	LOG P	Z*
-7.00	3.9824	41.0419	45.0243	128.2054	-4.7301	3.98278
-6.80	3.9813	41.0193	45.0006	126.3490	-4.5392	3.98179
-6.60	3.9372	40.9990	44.9792	124.4956	-4.3393	3.98078
-6.40	3.9798	40.9770	44.9557	122.6417	-4.1395	3.97951
-6.20	3.9758	40.9485	44.9252	120.7806	-3.9397	3.97773
-6.00	3.9739	40.9076	44.8815	118.9090	-3.7400	3.97505
-5.80	3.9694	40.8460	44.8154	117.0182	-3.5405	3.97092
-5.60	3.9627	40.7513	44.7140	115.0971	-3.3412	3.96452

T = 12500

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-5.40	3.9522	40.5053	44.5575	113.1284	-3.1424	3.95458
-5.20	3.9364	40.3813	44.3177	111.0878	-2.9441	3.93928
-5.00	3.9125	40.7418	43.9543	108.9406	-2.7468	3.91604
-4.80	3.8771	39.5373	43.4143	106.6420	-2.5507	3.88145
-4.60	3.8262	38.8089	42.6351	104.1392	-2.3565	3.83147
-4.40	3.7557	37.7977	41.5534	101.3814	-2.1645	3.76202
-4.20	3.6529	36.4612	40.1241	98.3359	-1.9754	3.67020
-4.00	3.5473	34.7940	38.3413	95.0077	-1.7893	3.55561
-3.80	3.4121	32.8394	36.2515	91.4500	-1.6062	3.42123
-3.60	3.2534	30.6859	33.9493	87.7591	-1.4256	3.27315
-3.40	3.1090	28.4465	31.5555	84.0520	-1.2466	3.11914
-3.20	2.9567	26.2337	29.1904	80.4428	-1.0684	2.96695
-3.00	2.8127	24.1393	26.9520	77.0205	-0.8901	2.82289
-2.80	2.6914	22.2250	24.9074	73.8428	-0.7109	2.69125
-2.60	2.5649	20.5273	23.0922	70.9358	-0.5302	2.57438
-2.40	2.4639	19.0529	21.5169	68.3051	-0.3476	2.47290
-2.20	2.3790	17.7959	20.1739	65.9338	-0.1630	2.38633
-2.00	2.3057	16.7389	19.0446	63.7989	0.0236	2.31350
-1.80	2.2457	15.8594	18.1050	61.8719	0.2121	2.25282
-1.60	2.1961	15.1329	17.3290	60.1231	0.4024	2.20261
-1.40	2.1552	14.5355	16.6908	58.5241	0.5943	2.16118
-1.20	2.1216	14.0445	16.1661	57.0486	0.7874	2.12692
-1.00	2.0935	13.6389	15.7324	55.6725	0.9816	2.09829
-0.80	2.0697	13.2991	15.3687	54.3743	1.1767	2.07383
-0.60	2.0485	13.0054	15.0549	53.1334	1.3722	2.05205
-0.40	2.0296	12.7420	14.7706	51.9303	1.5680	2.03137
-0.20	2.0082	12.4862	14.4943	50.7449	1.7636	2.00999
0.0	1.9853	12.2173	14.2027	49.5565	1.9586	1.98589
0.20	1.9580	11.9127	13.8707	48.3437	2.1526	1.95680
0.40	1.9242	11.5504	13.4747	47.0872	2.3450	1.92050
0.60	1.8828	11.1143	12.9970	45.7742	2.5356	1.87531
0.80	1.8335	10.5991	12.4325	44.4030	2.7240	1.82064
1.00	1.7783	10.0142	11.7925	42.9864	2.9108	1.75743
1.20	1.7206	9.3820	11.1027	41.5486	3.0964	1.68793
1.40	1.6653	8.7319	10.3972	40.1191	3.2822	1.61511
1.60	1.6178	8.0923	9.7105	38.7245	3.4697	1.54186
1.80	1.5847	7.4882	9.0729	37.3832	3.6607	1.47043
2.00	1.5732	6.9352	8.5085	36.1042	3.8575	1.40225
2.20	1.5914	6.4498	8.0412	34.8914	4.0625	1.33822

T = 12600

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9829	40.7838	44.7667	128.2733	-4.7355	3.98325
-6.80	3.9817	40.7579	44.7396	126.4135	-4.5357	3.98216
-6.60	3.9905	40.7363	44.7169	124.5585	-4.3358	3.98113
-6.40	3.9792	40.7144	44.6935	122.7038	-4.1360	3.97992
-6.20	3.9773	40.6876	44.6649	120.8449	-3.9362	3.97827
-6.00	3.9747	40.6504	44.6251	118.9767	-3.7365	3.97585
-5.80	3.9707	40.5951	44.5657	117.0919	-3.5369	3.97215
-5.60	3.9646	40.5106	44.4751	115.1800	-3.3375	3.96641
-5.40	3.9552	40.3804	44.3356	113.2261	-3.1386	3.95749
-5.20	3.9409	40.1803	44.1212	111.2077	-2.9402	3.94375
-5.00	3.9192	39.4761	43.7953	109.0932	-2.7426	3.92278
-4.80	3.8970	39.4214	43.3085	106.8407	-2.5462	3.89141

T = 12600

LOG RHO	Z	F/RT	-F/RT	S/R	LOG P	Z*
-4.60	3.8404	38.7599	42.6002	104.3992	-2.3514	3.84570
-4.40	3.7752	37.8315	41.5067	101.7166	-2.1588	3.78150
-4.20	3.6891	36.5885	40.2765	98.7542	-1.9690	3.69549
-4.00	3.5781	35.0144	38.5925	95.5062	-1.7821	3.58652
-3.80	3.4473	33.1399	36.5872	92.0134	-1.5983	3.45671
-3.60	3.3014	31.0428	34.3442	88.3619	-1.4171	3.31145
-3.40	3.1477	28.8315	31.9792	84.6655	-1.2378	3.15827
-3.20	2.9943	26.6197	29.6147	81.0394	-1.0595	3.00501
-3.00	2.8478	24.5051	27.3529	77.5800	-0.8813	2.85848
-2.80	2.7130	22.5572	25.2702	74.3523	-0.7023	2.72348
-2.60	2.5927	20.8162	23.4089	71.3903	-0.5220	2.60279
-2.40	2.4879	19.2971	21.7850	68.7027	-0.3399	2.49745
-2.20	2.3983	17.9964	20.3947	66.2769	-0.1559	2.40722
-2.00	2.3227	16.8992	19.2219	64.0932	0.0302	2.33105
-1.80	2.2598	15.9839	18.2436	62.1232	0.2193	2.26744
-1.60	2.2077	15.2265	17.4342	60.3376	0.4082	2.21472
-1.40	2.1648	14.6030	16.7678	58.7077	0.5996	2.17119
-1.20	2.1274	14.0905	16.2199	57.2066	0.7925	2.13520
-1.00	2.1000	13.6675	15.7676	55.8100	0.9864	2.10520
-0.80	2.0752	13.3144	15.3896	54.4957	1.1813	2.07970
-0.60	2.0534	13.0122	15.0656	53.2429	1.3767	2.05721
-0.40	2.0331	12.7422	14.7752	52.0320	1.5724	2.03614
-0.20	2.0126	12.4847	14.4973	50.8430	1.7680	2.01474
0.0	1.9912	12.2186	14.2097	49.6550	1.9631	1.99100
0.20	1.9636	11.9211	13.8848	48.4470	2.1573	1.96267
0.40	1.9310	11.5701	13.5012	47.1990	2.3500	1.92748
0.60	1.8909	11.1481	13.0390	45.8967	2.5409	1.88360
0.80	1.8430	10.6476	12.4905	44.5362	2.7297	1.83022
1.00	1.7999	10.0755	11.8644	43.1278	2.9168	1.76802
1.20	1.7318	9.4522	11.1840	41.6938	3.1027	1.69904
1.40	1.6765	8.9051	10.4826	40.2632	3.2885	1.62610
1.60	1.6287	8.1666	9.7953	38.8631	3.4761	1.55242
1.80	1.5948	7.5581	9.1530	37.5132	3.6669	1.48012
2.00	1.5823	6.9994	8.5817	36.2239	3.8635	1.41085
2.20	1.5991	6.5081	8.1072	35.0014	4.0681	1.34568

T = 12700

LOG RHO	Z	F/RT	-F/RT	S/R	LOG P	Z*
-7.00	3.9834	40.5324	44.5158	128.3433	-4.7321	3.98380
-6.80	3.9321	40.5022	44.4844	126.4791	-4.5322	3.98258
-6.60	3.9809	40.4785	44.4594	124.6217	-4.3324	3.98149
-6.40	3.9796	40.4561	44.4357	122.7654	-4.1325	3.98031
-6.20	3.9779	40.4305	44.4084	120.9085	-3.9327	3.97878
-6.00	3.9754	40.3962	44.3717	119.0429	-3.7330	3.97657
-5.80	3.9718	40.3463	44.3181	117.1630	-3.5334	3.97323
-5.60	3.9662	40.2706	44.2369	115.2595	-3.3340	3.96808
-5.40	3.9578	40.1543	44.1121	113.3184	-3.1349	3.96209
-5.20	3.9449	39.9754	43.9203	111.3197	-2.9363	3.94771
-5.00	3.9253	39.7026	43.5279	109.2344	-2.7385	3.92880
-4.80	3.8960	39.2930	43.1889	107.0234	-2.5417	3.90034
-4.60	3.8533	38.5925	42.5458	104.5380	-2.3465	3.85857
-4.40	3.7930	37.8417	41.6346	102.0258	-2.1534	3.79932
-4.20	3.7115	36.6883	40.3097	99.1437	-1.9628	3.71895
-4.00	3.6071	35.2266	38.8136	95.9760	-1.7752	3.61565

T = 12700

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-3.80	3.4811	33.4147	36.8958	92.5513	-1.5906	3.49058
-3.60	3.3383	31.3793	34.7176	88.9452	-1.4088	3.34868
-3.40	3.1858	29.2025	32.3883	85.2660	-1.2291	3.19678
-3.20	3.0317	26.9982	30.0299	81.5298	-1.0507	3.04292
-3.00	2.8930	24.8684	27.7514	78.1385	-0.8725	2.89425
-2.80	2.7451	22.8897	25.6348	74.8645	-0.6938	2.75611
-2.60	2.6211	21.1088	23.7299	71.8486	-0.5139	2.63175
-2.40	2.5125	19.5452	22.0587	69.1047	-0.3322	2.52260
-2.20	2.4192	18.2025	20.6217	66.6261	-0.1487	2.42870
-2.00	2.3403	17.0650	19.4053	64.3933	0.0369	2.34916
-1.80	2.2744	16.1135	18.3880	62.3798	0.2245	2.28256
-1.60	2.2197	15.3249	17.5446	60.5567	0.4140	2.22727
-1.40	2.1747	14.5748	16.8495	58.8951	0.6051	2.18156
-1.20	2.1376	14.1401	16.2777	57.3678	0.7976	2.14378
-1.00	2.1068	13.5993	15.8061	55.9500	0.9913	2.11235
-0.80	2.0808	13.3323	15.4131	54.6189	1.1859	2.08576
-0.60	2.0583	13.0199	15.0782	53.3536	1.3812	2.06249
-0.40	2.0376	12.7436	14.7811	52.1341	1.5768	2.04097
-0.20	2.0171	12.4937	14.5007	50.9406	1.7724	2.01947
0.0	1.9949	12.2193	14.2142	49.7524	1.9676	1.99600
0.20	1.9691	11.9281	13.8971	48.5482	2.1619	1.96835
0.40	1.9375	11.5874	13.5249	47.3078	2.3549	1.93419
0.60	1.8996	11.1788	13.0774	46.0155	2.5461	1.89158
0.80	1.8521	10.6927	12.5448	44.6656	2.7353	1.83949
1.00	1.7991	10.1336	11.9326	43.2655	2.9227	1.77932
1.20	1.7427	9.5196	11.2623	41.8360	3.1089	1.70994
1.40	1.6876	8.8782	10.5658	40.4050	3.2949	1.63715
1.60	1.6395	8.2389	9.8784	39.0000	3.4824	1.56293
1.80	1.6049	7.5273	9.2322	37.6420	3.6731	1.48980
2.00	1.5914	7.0632	8.6547	36.3430	3.8694	1.41947
2.20	1.6068	6.5665	8.1733	35.1110	4.0736	1.35320

T = 12800

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9841	40.2879	44.2720	128.4157	-4.7286	3.98445
-6.80	3.9826	40.2524	44.2350	126.5458	-4.5298	3.98305
-6.60	3.9813	40.2257	44.2070	124.6854	-4.3289	3.98188
-6.40	3.9800	40.2023	44.1822	122.9288	-4.1291	3.98070
-6.20	3.9783	40.1772	44.1556	120.7713	-3.9292	3.97925
-6.00	3.9761	40.1453	44.1214	119.1078	-3.7295	3.97722
-5.80	3.9728	40.0999	44.0727	117.2321	-3.5298	3.97420
-5.60	3.9677	40.0319	43.9996	115.3356	-3.3304	3.96956
-5.40	3.9601	39.9277	43.8878	113.4058	-3.1312	3.96236
-5.20	3.9484	39.7675	43.7140	111.4245	-2.9325	3.95123
-5.00	3.9306	39.5227	43.4533	109.3651	-2.7345	3.93415
-4.80	3.9040	39.1535	43.0575	107.1915	-2.5374	3.90834
-4.60	3.8649	38.6087	42.4737	104.8574	-2.3418	3.87019
-4.40	3.8092	37.8299	41.5392	102.3109	-2.1481	3.81559
-4.20	3.7331	36.7619	40.4950	99.5053	-1.9569	3.74056
-4.00	3.6343	35.3709	39.0052	96.4171	-1.7685	3.64300
-3.80	3.5133	33.5633	37.1766	93.0629	-1.5832	3.52306
-3.60	3.3740	31.5941	35.0581	89.5073	-1.4008	3.38470
-3.40	3.2232	29.5580	32.7812	85.8519	-1.2206	3.23457
-3.20	3.0699	27.3672	30.4361	82.2120	-1.0420	3.08055

T = 12900

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-3.00	2.9193	25.2277	29.1461	79.5942	-0.8638	2.93012
-2.80	2.7775	23.2221	25.9996	75.3777	-0.6853	2.78909
-2.60	2.6500	21.4041	24.0540	72.3106	-0.5057	2.66120
-2.40	2.5376	19.7996	22.3372	69.5124	-0.3245	2.54831
-2.20	2.4406	18.4136	20.8542	66.9807	-0.1414	2.45074
-2.00	2.3533	17.2360	19.5944	64.6988	0.0437	2.36779
-1.80	2.2894	16.2494	18.5379	62.6415	0.2308	2.29815
-1.60	2.2322	15.4279	17.6600	60.7803	0.4198	2.24023
-1.40	2.1849	14.7506	16.9356	59.0864	0.6105	2.19279
-1.20	2.1460	14.1934	16.3394	57.5322	0.8027	2.15267
-1.00	2.1137	13.7342	15.8479	56.0924	0.9961	2.11975
-0.80	2.0867	13.3527	15.4393	54.7439	1.1905	2.09199
-0.60	2.0633	13.0296	15.0929	53.4654	1.3855	2.06788
-0.40	2.0421	12.7452	14.7883	52.2368	1.5811	2.04585
-0.20	2.0215	12.4832	14.5045	51.0380	1.7767	2.02419
0.0	1.9995	12.2198	14.2193	49.8487	1.9720	2.00092
0.20	1.9743	11.9338	13.9081	48.6475	2.1665	1.97385
0.40	1.9437	11.6026	13.5463	47.4139	2.3597	1.94065
0.60	1.9061	11.2066	13.1127	46.1312	2.5512	1.89926
0.80	1.8609	10.7346	12.5954	44.7915	2.7408	1.84844
1.00	1.8090	10.1884	11.9974	43.4001	2.9285	1.78834
1.20	1.7533	9.5843	11.3376	41.9757	3.1149	1.72061
1.40	1.6935	8.9483	10.5449	40.5451	3.3011	1.64796
1.60	1.6501	8.3100	9.9501	39.1360	3.4885	1.57137
1.80	1.6150	7.6757	9.3107	37.7705	3.6792	1.49946
2.00	1.6005	7.1269	8.7274	36.4623	3.8753	1.42812
2.20	1.6145	6.6252	8.2395	35.2216	4.0791	1.35078

T = 12900

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9849	40.3509	44.0357	123.4914	-4.7251	3.98523
-6.80	3.9831	40.3085	43.9917	126.6144	-4.5253	3.98359
-6.60	3.9817	39.9781	43.9598	124.7500	-4.3255	3.98230
-6.40	3.9804	39.9529	43.9333	122.8915	-4.1256	3.98109
-6.20	3.9788	39.9279	43.9067	121.0338	-3.9258	3.97969
-6.00	3.9767	39.8977	43.8744	119.1717	-3.7260	3.97782
-5.80	3.9736	39.8561	43.8299	117.2995	-3.5264	3.97507
-5.60	3.9691	39.7947	43.7639	115.4091	-3.3269	3.97098
-5.40	3.9622	39.7011	43.6633	113.4992	-3.1276	3.96439
-5.20	3.9516	39.5575	43.5090	111.5232	-2.9288	3.95436
-5.00	3.9354	39.3375	43.2730	109.4969	-2.7306	3.93893
-4.80	3.9112	39.0546	42.9158	107.3469	-2.5332	3.91551
-4.60	3.8754	38.5107	42.3861	105.0595	-2.3372	3.88069
-4.40	3.8241	37.7986	41.6226	102.5739	-2.1430	3.83044
-4.20	3.7531	36.8114	40.5645	99.8412	-1.9512	3.76070
-4.00	3.6598	35.5080	39.1687	96.8309	-1.7621	3.66863
-3.80	3.5439	33.8865	37.4304	93.5490	-1.5761	3.55387
-3.60	3.4085	31.9873	35.3058	90.0483	-1.3930	3.41949
-3.40	3.2599	29.8974	33.1573	86.4227	-1.2123	3.27157
-3.20	3.1057	27.7263	30.8320	82.7855	-1.0334	3.11784
-3.00	2.9537	25.5824	28.5361	79.2467	-0.8552	2.96602
-2.80	2.8102	23.5542	26.3643	75.8914	-0.6768	2.82236
-2.60	2.6792	21.7017	24.3810	72.7760	-0.4975	2.69112
-2.40	2.5632	20.0572	22.6203	69.9250	-0.3168	2.57456

T= 12000

LOG RHO	Z	F/RT	H/RT	S/R	LOG P	Z*
-2.20	2.4626	18.5296	21.7922	67.3407	-0.1342	2.47334
-2.00	2.3769	17.4122	19.7891	65.0098	0.0505	2.38697
-1.80	2.3049	16.3881	18.6930	62.9082	0.2371	2.31426
-1.60	2.2450	15.9355	17.7805	61.0084	0.4257	2.25363
-1.40	2.1955	14.8307	17.0262	59.2816	0.6160	2.20340
-1.20	2.1547	14.2503	16.4050	57.6998	0.8078	2.16186
-1.00	2.1209	13.7722	15.8932	56.2375	1.0010	2.12739
-0.80	2.0927	13.3757	15.4684	54.8710	1.1951	2.09842
-0.60	2.0685	13.0414	15.1099	53.5786	1.3901	2.07343
-0.40	2.0467	12.7504	14.7772	52.3402	1.5855	2.05083
-0.20	2.0259	12.4836	14.5095	51.1356	1.7811	2.02893
0.0	2.0041	12.2204	14.2745	49.9444	1.9764	2.00580
0.20	1.9794	11.9389	13.9183	48.7455	2.1710	1.97925
0.40	1.9497	11.6163	13.5661	47.5180	2.3644	1.94695
0.60	1.9133	11.2324	13.1457	46.2443	2.5562	1.90673
0.80	1.8694	10.7742	12.6436	44.9149	2.7461	1.85718
1.00	1.8187	10.2412	12.0599	43.5325	2.9342	1.79819
1.20	1.7639	9.6473	11.4112	42.1136	3.1209	1.73119
1.40	1.7093	9.0174	10.7267	40.6842	3.3073	1.65874
1.60	1.6608	8.3806	10.0414	39.2718	3.4948	1.58385
1.80	1.6251	7.7643	9.3893	37.8995	3.6853	1.50922
2.00	1.6097	7.1910	8.8007	36.5924	3.8812	1.43689
2.20	1.6222	6.6847	8.3069	35.3331	4.0845	1.36850

T= 13000

LOG RHO	Z	F/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9858	39.8218	43.8076	128.5707	-4.7217	3.98616
-6.80	3.9838	39.7712	43.7550	126.5851	-4.5219	3.98423
-6.60	3.9822	39.7358	43.7181	124.8155	-4.3221	3.98278
-6.40	3.9808	39.7082	43.6890	122.9544	-4.1222	3.98150
-6.20	3.9792	39.6826	43.6618	121.0958	-3.9224	3.98013
-6.00	3.9772	39.6535	43.6308	119.2347	-3.7226	3.97837
-5.80	3.9744	39.6150	43.5895	117.3652	-3.5229	3.97585
-5.60	3.9703	39.5593	43.5296	115.4801	-3.3234	3.97205
-5.40	3.9640	39.4750	43.4390	113.5688	-3.1241	3.96620
-5.20	3.9544	39.3459	43.3003	111.6163	-2.9251	3.95714
-5.00	3.9397	39.1481	43.0878	109.6005	-2.7267	3.94318
-4.80	3.9177	38.8478	42.7655	107.4907	-2.5292	3.92193
-4.60	3.8849	38.3999	42.2848	105.2457	-2.3328	3.89016
-4.40	3.8376	37.7493	41.5869	102.8163	-2.1381	3.84395
-4.20	3.7716	36.9388	40.6099	100.1525	-1.9457	3.77916
-4.00	3.6937	35.6214	39.3051	97.2181	-1.7559	3.69255
-3.80	3.5730	34.0842	37.6571	94.0092	-1.5692	3.58307
-3.60	3.4418	32.2579	35.6097	90.5671	-1.3854	3.45295
-3.40	3.2956	30.2194	33.5150	86.9768	-1.2043	3.30765
-3.20	3.1421	28.0738	31.2159	83.3488	-1.0250	3.15467
-3.00	2.9890	25.9310	29.9200	79.7941	-0.8467	3.00183
-2.80	2.8430	23.8844	26.7275	76.4052	-0.6684	2.85584
-2.60	2.7089	22.0007	24.7096	73.2437	-0.4894	2.72143
-2.40	2.5893	20.3179	22.9072	70.3416	-0.3090	2.60130
-2.20	2.4851	18.8499	21.3349	67.7058	-0.1269	2.49647
-2.00	2.3960	17.5930	19.9890	65.3257	0.0573	2.40666
-1.80	2.3209	16.5325	18.8534	63.1797	0.2434	2.33082
-1.60	2.2583	15.6475	17.9058	61.2408	0.4316	2.26745

T = 13000

LOG RHO	Z	E/R T	H/R T	S/R	LOG P	Z*
-1.40	2.2064	14.9149	17.1212	59.4805	0.6215	2.21487
-1.20	2.1637	14.3108	16.4745	57.8706	0.8130	2.17137
-1.00	2.1294	13.8133	15.9417	56.3851	1.0058	2.13529
-0.80	2.0989	13.4013	15.5002	54.9999	1.1998	2.10505
-0.60	2.0737	13.0552	15.1290	53.6932	1.3945	2.07911
-0.40	2.0514	12.7561	14.8075	52.4443	1.5898	2.05589
-0.20	2.0313	12.4848	14.5151	51.2332	1.7854	2.03370
0.0	2.0136	12.2210	14.2296	50.0394	1.9807	2.01263
0.20	1.9844	11.9431	13.9275	48.8419	2.1754	1.98452
0.40	1.9535	11.6283	13.5839	47.6198	2.3691	1.95303
0.60	1.9203	11.2557	13.1760	46.3544	2.5612	1.91393
0.80	1.8777	10.8108	12.6885	45.0348	2.7514	1.86563
1.00	1.8291	10.2910	12.1191	43.6614	2.9398	1.80774
1.20	1.7742	9.7077	11.4819	42.2487	3.1268	1.74155
1.40	1.7200	9.0844	10.8045	40.8209	3.3133	1.66934
1.60	1.6714	8.4499	10.1214	39.4059	3.5009	1.59426
1.80	1.6352	7.8321	9.4573	38.0273	3.6914	1.51898
2.00	1.6189	7.2550	8.8739	36.7019	3.8870	1.44571
2.20	1.6209	6.7447	8.3746	35.4446	4.0900	1.37630

T = 13100

LOG RHO	Z	E/R T	H/R T	S/R	LOG P	Z*
-7.00	3.9869	39.6014	43.5883	128.6545	-4.7182	3.98728
-6.80	3.9845	39.5408	43.5253	126.7585	-4.5135	3.98498
-6.60	3.9828	39.4993	43.4821	124.9825	-4.3187	3.98332
-6.40	3.9812	39.4684	43.4495	123.3178	-4.1149	3.98194
-6.20	3.9797	39.4415	43.4211	121.1578	-3.9190	3.98056
-6.00	3.9778	39.4129	43.3907	119.2069	-3.7192	3.97889
-5.80	3.9752	39.3769	43.3521	117.4296	-3.5195	3.97656
-5.60	3.9714	39.3259	43.2973	115.5489	-3.3199	3.97311
-5.40	3.9656	39.2498	43.2154	113.6451	-3.1206	3.96781
-5.20	3.9569	39.1335	43.0904	111.7044	-2.9215	3.95962
-5.00	3.9436	38.9554	42.8989	109.7069	-2.7230	3.94699
-4.80	3.9234	38.6943	42.6077	107.6241	-2.5252	3.92769
-4.60	3.8935	38.2781	42.1715	105.4175	-2.3285	3.89470
-4.40	3.8499	37.6840	41.5339	103.0399	-2.1334	3.85623
-4.20	3.7985	36.8445	40.6730	100.4409	-1.9404	3.79613
-4.00	3.7259	35.7098	39.4157	97.5797	-1.7500	3.71483
-3.80	3.6204	34.2570	37.8574	94.4437	-1.5625	3.61066
-3.60	3.4736	32.5060	35.9796	91.0632	-1.3781	3.48504
-3.40	3.3303	30.5232	33.8536	87.5133	-1.1964	3.34274
-3.20	3.1779	28.4087	31.5865	83.9000	-1.0167	3.19092
-3.00	3.0241	26.2723	29.2964	80.3354	-0.8383	3.03747
-2.80	2.8751	24.2119	27.0880	76.9169	-0.6601	2.88945
-2.60	2.7389	22.3002	25.0391	73.7128	-0.4813	2.75207
-2.40	2.6158	20.5812	23.1971	70.7616	-0.3013	2.62850
-2.20	2.5080	19.0740	21.5820	68.0752	-0.1195	2.52010
-2.00	2.4155	17.7782	20.1937	65.6464	0.0641	2.42685
-1.80	2.3373	16.6914	19.0186	63.4558	0.2498	2.34786
-1.60	2.2719	15.7638	18.0357	61.4774	0.4375	2.28170
-1.40	2.2177	15.0028	17.2205	59.6930	0.6270	2.22671
-1.20	2.1730	14.3748	16.5478	58.0444	0.8192	2.18118
-1.00	2.1360	13.8574	15.9935	56.5352	1.0107	2.14345
-0.80	2.1052	13.4295	15.5347	55.1304	1.2044	2.11189

T = 13100

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-0.60	2.0791	13.3711	15.1503	53.8092	1.3990	2.08494
-0.40	2.0562	12.7633	14.8194	52.5492	1.5942	2.06104
-0.20	2.0347	12.4868	14.5216	51.3309	1.7896	2.03849
0.0	2.0130	12.2219	14.2349	50.1339	1.9857	2.01541
0.20	1.9892	11.9467	13.9359	48.9371	2.1798	1.98967
0.40	1.9611	11.6388	13.6200	47.7194	2.3736	1.95893
0.60	1.9270	11.2767	13.2937	46.4618	2.5660	1.92388
0.80	1.8856	10.8447	12.7303	45.1516	2.7566	1.87379
1.00	1.8373	10.3378	12.1751	43.7874	2.9453	1.81708
1.20	1.7842	9.7654	11.5496	42.3810	3.1326	1.75168
1.40	1.7305	9.1492	10.8798	40.9557	3.3193	1.67987
1.60	1.6819	8.5176	10.1996	39.5387	3.5069	1.60459
1.80	1.6452	7.8990	9.5442	38.1546	3.6973	1.52871
2.00	1.6281	7.3185	8.9455	36.8214	3.8928	1.45455
2.20	1.6376	6.8047	8.4423	35.5567	4.0953	1.38417

T = 13200

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9883	39.3906	43.3789	128.7440	-4.7148	3.98862
-6.80	3.9854	39.3178	43.3032	126.8352	-4.5151	3.98587
-6.60	3.9834	39.2688	43.2572	124.9514	-4.3153	3.98393
-6.40	3.9817	39.2336	43.2153	123.0822	-4.1155	3.98242
-6.20	3.9801	39.2047	43.1848	121.2200	-3.9157	3.98100
-6.00	3.9783	39.1761	43.1544	119.3580	-3.7159	3.97938
-5.80	3.9758	39.1418	43.1177	117.4931	-3.5161	3.97722
-5.60	3.9723	39.0949	43.0672	115.6160	-3.3165	3.97405
-5.40	3.9671	39.0258	42.9929	113.7187	-3.1171	3.96925
-5.20	3.9591	38.9208	42.8800	111.7885	-2.9180	3.96184
-5.00	3.9470	38.7602	42.7072	109.8072	-2.7193	3.95039
-4.80	3.9286	38.5152	42.4439	107.7486	-2.5213	3.93285
-4.60	3.9012	38.1468	42.0480	105.5768	-2.3244	3.90640
-4.40	3.8611	37.6046	41.4657	103.2468	-2.1289	3.86739
-4.20	3.8041	36.8319	40.6360	100.7084	-1.9353	3.81172
-4.00	3.7266	35.7759	39.5025	97.9176	-1.7443	3.73556
-3.80	3.6263	34.4062	38.0325	94.8540	-1.5561	3.63669
-3.60	3.5041	32.7319	36.2360	91.5371	-1.3710	3.51576
-3.40	3.3641	30.8097	34.1730	88.0322	-1.1887	3.37680
-3.20	3.2131	28.7307	31.9438	84.4393	-1.0086	3.22656
-3.00	3.0599	26.5061	29.6651	80.8701	-0.8300	3.07280
-2.80	2.9092	24.1363	27.4455	77.4266	-0.6518	2.92316
-2.60	2.7692	22.6000	25.3692	74.1833	-0.4732	2.78303
-2.40	2.6428	20.8472	23.4899	71.1850	-0.2935	2.65614
-2.20	2.5315	19.3019	21.8334	68.4490	-0.1122	2.54423
-2.00	2.4355	17.9678	20.4034	65.9719	0.0710	2.44755
-1.80	2.3541	16.8348	19.1889	63.7366	0.2563	2.36538
-1.60	2.2859	15.8845	18.1705	61.7184	0.4435	2.29639
-1.40	2.2293	15.0948	17.3241	59.8895	0.6326	2.23893
-1.20	2.1825	14.4424	16.6250	58.2216	0.8234	2.19132
-1.00	2.1439	13.9047	16.0486	56.6880	1.0156	2.15187
-0.80	2.1118	13.4604	15.5722	55.2640	1.2091	2.11893
-0.60	2.0847	13.0892	15.1739	53.9267	1.4035	2.09093
-0.40	2.0610	12.7721	14.8331	52.6552	1.5985	2.06629
-0.20	2.0392	12.4900	14.5291	51.4290	1.7939	2.04332
0.0	2.0174	12.2230	14.2404	50.2279	1.9892	2.02017



T = 13200						
LOG RHO	Z	F/RT	4/RT	S/R	LOG P	Z*
0.20	1.9939	11.9499	13.9439	49.0311	2.1841	1.99473
0.40	1.9555	11.5490	13.6145	47.8172	2.3781	1.96465
0.60	1.9334	11.2957	13.2291	46.5666	2.5707	1.92759
0.80	1.8932	10.8759	12.7691	45.2655	2.7616	1.89157
1.00	1.8461	10.3818	12.2779	43.9102	2.9507	1.82611
1.20	1.7940	9.8205	11.6145	42.5106	3.1382	1.76159
1.40	1.7409	9.2119	10.9529	41.0883	3.3252	1.69018
1.60	1.6923	8.5839	10.2761	39.6700	3.5129	1.61491
1.80	1.6552	7.9649	9.5200	38.2810	3.7033	1.53840
2.00	1.6372	7.3816	8.7189	36.9406	3.8985	1.46340
2.20	1.6453	6.8549	8.5101	35.6691	4.1007	1.39210

T = 13300						
LOG RHO	Z	F/RT	4/RT	S/R	LOG P	Z*
-7.00	3.9339	39.1902	43.1800	128.8402	-4.7113	3.99022
-6.80	3.9365	39.1027	43.0892	126.9152	-4.5117	3.98692
-6.60	3.9441	39.0445	43.0287	125.0224	-4.3120	3.98465
-6.40	3.9323	39.0040	42.9862	123.1478	-4.1122	3.98295
-6.20	3.9976	39.9723	42.9529	121.2827	-3.9123	3.98146
-6.00	3.9788	39.9430	42.9219	119.4206	-3.7125	3.97997
-5.80	3.9765	39.9099	42.8864	117.5558	-3.5128	3.97783
-5.60	3.9732	38.8563	42.8395	115.6817	-3.3131	3.97492
-5.40	3.9594	38.8033	42.7717	113.7899	-3.1137	3.97055
-5.20	3.9511	38.7083	42.6594	111.8639	-2.9145	3.96392
-5.00	3.9501	38.5531	42.5132	109.9020	-2.7157	3.95343
-4.80	3.9333	38.3416	42.2749	107.8650	-2.5175	3.93749
-4.60	3.9092	38.0073	41.9155	105.7247	-2.3203	3.91334
-4.40	3.8712	37.5126	41.3839	103.4383	-2.1244	3.87754
-4.20	3.8134	36.8020	40.6204	100.9564	-1.9304	3.82601
-4.00	3.7457	35.8209	39.5667	98.2328	-1.7388	3.75479
-3.80	3.6507	34.5325	38.1832	95.2405	-1.5499	3.66117
-3.60	3.5332	32.9357	36.4689	91.9888	-1.3641	3.54507
-3.40	3.3967	31.0759	34.4726	88.5327	-1.1812	3.40976
-3.20	3.2476	29.0388	32.2864	84.9654	-1.0007	3.26149
-3.00	3.0936	26.9310	30.0246	81.3975	-0.8218	3.10902
-2.80	2.9423	24.8566	27.7989	77.9333	-0.6435	2.95689
-2.60	2.7998	22.8992	25.5990	74.6542	-0.4652	2.81426
-2.40	2.6701	21.1149	23.7850	71.6111	-0.2858	2.68419
-2.20	2.5554	19.5332	22.0885	68.8268	-0.1048	2.56883
-2.00	2.4560	18.1615	20.6175	66.3019	0.0779	2.46874
-1.80	2.3714	16.9925	19.3639	64.0220	0.2627	2.38336
-1.60	2.3004	16.0094	18.3098	61.9636	0.4495	2.31149
-1.40	2.2413	15.1907	17.4320	60.0097	0.6382	2.25153
-1.20	2.1924	14.5135	16.7060	58.4020	0.8286	2.20179
-1.00	2.1521	13.9551	16.1072	56.8436	1.0205	2.16055
-0.80	2.1186	13.4938	15.6124	55.3992	1.2137	2.12620
-0.60	2.0904	13.1094	15.1999	54.0458	1.4079	2.09700
-0.40	2.0559	12.7826	14.8485	52.7621	1.6028	2.07165
-0.20	2.0436	12.4942	14.5378	51.5275	1.7981	2.04821
0.0	2.0218	12.2246	14.2464	50.3218	1.9934	2.02492
0.20	1.9995	11.9527	13.9512	49.1241	2.1884	1.99970
0.40	1.9718	11.5561	13.6279	47.9132	2.3826	1.97022
0.60	1.9396	11.3129	13.2524	46.5690	2.5754	1.93408
0.80	1.9006	10.9047	12.8053	45.3764	2.7665	1.88931

T = 13300

LOG RHO	Z	F/R T	H/R T	S/R	LJG P	Z*
1.00	1.8547	10.4231	12.2778	44.0299	2.9560	1.83489
1.20	1.8035	9.8730	11.6766	42.6374	3.1438	1.77126
1.40	1.7517	9.2725	11.0235	41.2185	3.3310	1.70035
1.60	1.7025	8.6485	10.3517	39.7995	3.5189	1.62496
1.80	1.6651	8.0299	9.6957	38.4061	3.7091	1.54908
2.00	1.6464	7.4444	9.0908	37.0590	3.9042	1.47229
2.20	1.6529	6.9254	8.5783	35.7814	4.1059	1.40012

T = 13400

LOG RHO	Z	F/R T	H/R T	S/R	LJG P	Z*
-7.00	3.9918	39.0012	42.9930	128.9440	-4.7079	3.99214
-6.80	3.9877	38.8953	42.8840	127.0019	-4.5083	3.98817
-6.60	3.9849	38.8272	42.8121	125.0970	-4.3086	3.98549
-6.40	3.9829	38.7799	42.7627	123.2157	-4.1088	3.98355
-6.20	3.9811	38.7445	42.7256	121.3459	-3.9090	3.98195
-6.00	3.9793	38.7138	42.6931	119.4823	-3.7092	3.98035
-5.80	3.9771	38.6813	42.6584	117.6179	-3.5095	3.97841
-5.60	3.9749	38.6403	42.6144	115.7459	-3.3098	3.97571
-5.40	3.9696	38.5825	42.5521	113.8589	-3.1103	3.97171
-5.20	3.9629	38.4962	42.4591	111.9460	-2.9110	3.96559
-5.00	3.9528	38.3548	42.3176	109.9918	-2.7121	3.95615
-4.80	3.9375	38.1643	42.1218	107.9742	-2.5138	3.94165
-4.60	3.9145	37.8508	41.7752	105.8624	-2.3164	3.91960
-4.40	3.8804	37.4095	41.2899	103.6157	-2.1202	3.88674
-4.20	3.8315	36.7564	40.5879	101.1863	-1.9257	3.83910
-4.00	3.7635	35.8462	39.6097	98.5265	-1.7334	3.77260
-3.80	3.6735	34.6366	38.3102	95.5036	-1.5440	3.68414
-3.60	3.5509	33.1175	36.6784	92.4180	-1.3575	3.57295
-3.40	3.4282	31.3235	34.7517	89.0139	-1.1740	3.44156
-3.20	3.2813	29.3319	32.6133	85.4771	-0.9930	3.29562
-3.00	3.1278	27.2461	30.3739	81.9155	-0.8138	3.14271
-2.80	2.9754	25.1716	28.1470	78.4356	-0.6355	2.99055
-2.60	2.8305	23.1968	26.0273	75.1244	-0.4572	2.84564
-2.40	2.6978	21.3837	24.0815	72.0390	-0.2780	2.71258
-2.20	2.5797	19.7671	22.3468	69.2079	-0.0975	2.59386
-2.00	2.4769	18.3588	20.8357	66.5359	0.0849	2.49038
-1.80	2.3891	17.1541	19.5433	64.0114	0.2692	2.40180
-1.60	2.3152	16.1382	18.4534	62.2128	0.4555	2.32701
-1.40	2.2536	15.2904	17.5440	60.3135	0.6438	2.26450
-1.20	2.2026	14.5981	16.7907	58.5855	0.8339	2.21258
-1.00	2.1604	14.0085	16.1690	57.0017	1.0255	2.16953
-0.80	2.1255	13.5300	15.6555	55.5365	1.2184	2.13368
-0.60	2.0962	13.1319	15.2281	54.1665	1.4124	2.10342
-0.40	2.0709	12.7948	14.8657	52.8701	1.6071	2.07714
-0.20	2.0482	12.4997	14.5478	51.6266	1.8023	2.05317
0.0	2.0262	12.2269	14.2530	50.4157	1.9976	2.02969
0.20	2.0031	11.9556	13.9587	49.2166	2.1927	2.00463
0.40	1.9759	11.6637	13.6405	48.0081	2.3869	1.97568
0.60	1.9456	11.3287	13.2743	46.7697	2.5800	1.94043
0.80	1.9077	10.9318	12.8396	45.4853	2.7715	1.89676
1.00	1.8630	10.4627	12.3257	44.1478	2.9612	1.84349
1.20	1.8129	9.9240	11.7369	42.7626	3.1493	1.78081
1.40	1.7610	9.3320	11.0900	41.3477	3.3367	1.71043
1.60	1.7128	8.7125	10.4253	39.9287	3.5246	1.63509

T= 13400						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
1.80	1.6750	8.0948	9.7699	38.5316	3.7150	1.55779
2.00	1.6555	7.5075	9.1630	37.1784	3.9099	1.48125
2.20	1.6674	6.9867	8.6472	35.8951	4.1112	1.40824

T= 13500						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9741	38.8251	42.8191	129.0571	-4.7044	3.99442
-6.80	3.9892	38.5994	42.6886	127.0933	-4.5049	3.98965
-6.60	3.9859	38.6170	42.6030	125.1748	-4.3053	3.98647
-6.40	3.9836	38.5616	42.5452	123.2843	-4.1055	3.98424
-6.20	3.9816	38.5216	42.5032	121.4102	-3.9057	3.98248
-6.00	3.9798	38.4887	42.4685	119.5442	-3.7059	3.98084
-5.80	3.9776	38.4562	42.4338	117.6794	-3.5062	3.97895
-5.60	3.9749	38.4172	42.3919	115.8092	-3.3065	3.97644
-5.40	3.9707	38.3637	42.3344	113.9262	-3.1069	3.97277
-5.20	3.9646	38.2950	42.2495	112.0202	-2.9076	3.96719
-5.00	3.9553	38.1658	42.1211	110.1773	-2.7086	3.95860
-4.80	3.9413	37.9840	41.9253	108.0770	-2.5102	3.94539
-4.60	3.9202	37.7083	41.6285	105.9908	-2.3125	3.92526
-4.40	3.8898	37.2966	41.1854	103.7805	-2.1160	3.89510
-4.20	3.8435	36.6968	40.5403	101.3998	-1.9211	3.85107
-4.00	3.7870	35.8533	39.6333	98.8002	-1.7283	3.78907
-3.80	3.6950	34.7199	38.4149	95.9448	-1.5382	3.70564
-3.60	3.5872	33.2781	36.8653	92.8254	-1.3510	3.59943
-3.40	3.4586	31.5519	35.0105	89.4762	-1.1669	3.47217
-3.20	3.3142	29.6100	32.9242	85.9743	-0.9854	3.32992
-3.00	3.1615	27.5509	30.7125	82.4238	-0.8059	3.17694
-2.80	3.0093	25.4809	28.4892	78.9331	-0.6275	3.02409
-2.60	2.8514	23.4924	26.3538	75.5936	-0.4492	2.87721
-2.40	2.7259	21.6533	24.3791	72.4686	-0.2703	2.74129
-2.20	2.6044	20.0036	22.6090	69.5922	-0.0901	2.61932
-2.00	2.4983	18.5595	21.0578	66.9739	0.0918	2.51248
-1.80	2.4073	17.3197	19.7270	64.6051	0.2757	2.42068
-1.60	2.3305	16.2709	18.5014	62.4650	0.4616	2.34296
-1.40	2.2663	15.3938	17.4601	60.5309	0.6495	2.27785
-1.20	2.2131	14.6661	16.6791	58.7722	0.8392	2.22369
-1.00	2.1691	14.0650	16.2341	57.1625	1.0305	2.17877
-0.80	2.1327	13.5687	15.9014	55.6760	1.2231	2.14139
-0.60	2.1022	13.1565	15.2587	54.2889	1.4169	2.10993
-0.40	2.0761	12.8087	14.8848	52.9792	1.6114	2.08275
-0.20	2.0527	12.5063	14.5590	51.7261	1.8065	2.05820
0.0	2.0305	12.2297	14.2602	50.5094	2.0018	2.03446
0.20	2.0075	11.9583	13.9658	49.3081	2.1968	2.00949
0.40	1.9818	11.6700	13.6518	48.1012	2.3912	1.98099
0.60	1.9514	11.3425	13.2939	46.8678	2.5845	1.94653
0.80	1.9146	10.9561	12.8707	45.5910	2.7763	1.90392
1.00	1.8710	10.4989	12.3700	44.2619	2.9663	1.85175
1.20	1.8220	9.9715	11.7935	42.8840	3.1547	1.79005
1.40	1.7708	9.3883	11.1591	41.4736	3.3423	1.72027
1.60	1.7228	8.7741	10.4969	40.0551	3.5304	1.64507
1.80	1.6848	8.1580	9.8428	38.6550	3.7207	1.56748
2.00	1.6648	7.5590	9.2347	37.2964	3.9155	1.49036
2.20	1.6644	7.0488	8.7172	36.0088	4.1165	1.41680

T= 13600						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	3.9968	38.6630	42.5598	129.1811	-4.7009	3.99713
-6.80	3.9910	38.5128	42.5038	127.1918	-4.5015	3.99142
-6.60	3.9871	38.4147	42.4019	125.2568	-4.3019	3.98763
-6.40	3.9844	38.3495	42.3338	123.3561	-4.1022	3.98503
-6.20	3.9822	38.3037	42.2859	121.4759	-3.9025	3.98307
-6.00	3.9803	38.2679	42.2482	119.6067	-3.7027	3.98134
-5.80	3.9782	38.2346	42.2128	117.7409	-3.5029	3.97949
-5.60	3.9755	38.1969	42.1723	115.8717	-3.3032	3.97712
-5.40	3.9716	38.1470	42.1187	113.9920	-3.1036	3.97373
-5.20	3.9660	38.0750	42.0410	112.0921	-2.9042	3.96863
-5.00	3.9575	37.9566	41.9241	110.1591	-2.7052	3.96081
-4.80	3.9447	37.8016	41.7462	108.1743	-2.5066	3.94876
-4.60	3.9253	37.5509	41.4762	106.1112	-2.3087	3.93036
-4.40	3.8964	37.1751	41.0715	103.9340	-2.1119	3.90268
-4.20	3.8544	36.6246	40.4790	101.5982	-1.9166	3.86203
-4.00	3.7952	35.8438	39.6390	99.0554	-1.7234	3.80428
-3.80	3.7150	34.7836	38.4986	96.2650	-1.5326	3.72575
-3.60	3.6121	33.4181	37.0302	93.2116	-1.3448	3.62450
-3.40	3.4877	31.7613	35.2490	89.9193	-1.1601	3.50157
-3.20	3.3463	29.8724	33.2187	86.4563	-0.9780	3.36131
-3.00	3.1948	27.8447	31.0394	82.9222	-0.7982	3.21067
-2.80	3.0411	25.7836	28.8247	79.4251	-0.6196	3.05745
-2.60	2.8924	23.7854	26.6778	76.0611	-0.4413	2.90885
-2.40	2.7541	21.9230	24.6771	72.8992	-0.2626	2.77029
-2.20	2.6295	20.2421	22.8716	69.9793	-0.0827	2.64514
-2.00	2.5200	18.7635	21.2835	67.3156	0.0988	2.53502
-1.80	2.4259	17.4689	19.9148	64.9028	0.2823	2.44001
-1.60	2.3461	16.4074	18.7536	62.7232	0.4677	2.35932
-1.40	2.2793	15.5009	17.7802	60.7521	0.6552	2.29158
-1.20	2.2239	14.7474	16.9713	58.9622	0.8445	2.23514
-1.00	2.1780	14.1245	16.3025	57.3261	1.0354	2.18830
-0.80	2.1400	13.6101	15.7502	55.8177	1.2278	2.14934
-0.60	2.1083	13.1834	15.2917	54.4130	1.4213	2.11562
-0.40	2.0813	12.8245	14.9058	53.0896	1.6157	2.08850
-0.20	2.0574	12.5143	14.5717	51.8245	1.8107	2.06332
0.0	2.0349	12.2334	14.2682	50.6033	2.0059	2.03927
0.20	2.0119	11.9613	13.9732	49.3994	2.2010	2.01433
0.40	1.9867	11.6761	13.6628	48.1934	2.3955	1.98623
0.60	1.9570	11.3555	13.3125	46.9646	2.5890	1.95257
0.80	1.9212	10.9791	12.9004	45.6950	2.7810	1.91092
1.00	1.8789	10.5337	12.4125	44.3743	2.9713	1.85388
1.20	1.8309	10.0177	11.8486	43.0040	3.1600	1.79915
1.40	1.7904	9.4436	11.2240	41.5984	3.3479	1.73002
1.60	1.7327	8.8349	10.5676	40.1811	3.5361	1.65499
1.80	1.6746	8.2208	9.9154	38.7785	3.7265	1.57711
2.00	1.6139	7.5320	9.3059	37.4149	3.9211	1.49934
2.20	1.6758	7.1107	8.7864	36.1231	4.1216	1.42507

T= 13700						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	4.0000	39.5167	42.5167	129.3174	-4.6974	4.00034
-6.80	3.9931	38.3375	42.3307	127.2981	-4.4981	3.99350
-6.60	3.9885	38.2210	42.2095	125.3437	-4.2986	3.98900
-6.40	3.9853	38.1440	42.1293	123.4308	-4.0990	3.98595

T = 13700

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-6.20	3.9829	38.0911	42.0740	121.5432	-3.8992	3.98173
-6.00	3.9808	38.0514	42.0323	119.6698	-3.6994	3.98189
-5.80	3.9787	38.0167	41.9954	117.8022	-3.4997	3.98003
-5.60	3.9761	37.9796	41.9558	115.9335	-3.3000	3.97776
-5.40	3.9726	37.9327	41.9053	114.0563	-3.1004	3.97462
-5.20	3.9673	37.8663	41.8337	112.1616	-2.9009	3.96994
-5.00	3.9596	37.7675	41.7271	110.2374	-2.7018	3.96279
-4.80	3.9478	37.6174	41.5651	108.2664	-2.5031	3.95179
-4.60	3.9290	37.3893	41.3192	106.2240	-2.3050	3.93496
-4.40	3.9034	37.0462	40.9496	104.0770	-2.1080	3.90956
-4.20	3.8445	36.5409	40.4053	101.7825	-1.9123	3.87207
-4.00	3.8092	35.4188	39.6280	99.2929	-1.7186	3.81829
-3.80	3.7337	34.4285	38.5622	96.5649	-1.5273	3.74448
-3.60	3.6357	33.5377	37.1734	93.5764	-1.3388	3.64819
-3.40	3.5156	31.9512	35.4668	90.3425	-1.1534	3.52970
-3.20	3.3773	30.1184	33.4957	86.9220	-0.9709	3.39272
-3.00	3.2274	28.1262	31.3535	83.4087	-0.7906	3.24374
-2.80	3.0736	26.0786	29.1522	79.9100	-0.6118	3.09052
-2.60	2.9234	24.0746	26.9979	76.5255	-0.4335	2.94049
-2.40	2.7825	22.1920	24.9745	73.3297	-0.2550	2.79049
-2.20	2.6549	20.4819	23.1368	70.3682	-0.0754	2.67134
-2.00	2.5422	18.9699	21.5121	67.6602	0.1058	2.55796
-1.80	2.4448	17.6513	20.1061	65.2030	0.2888	2.45975
-1.60	2.3621	16.5474	18.9095	62.9838	0.4739	2.37608
-1.40	2.2927	15.6113	17.9040	60.9765	0.6609	2.30567
-1.20	2.2349	14.8320	17.0669	59.1550	0.8498	2.24691
-1.00	2.1871	14.1869	16.3741	57.4922	1.0404	2.19810
-0.80	2.1476	13.6541	15.8017	55.9615	1.2325	2.15752
-0.60	2.1146	13.2125	15.3271	54.5387	1.4258	2.12350
-0.40	2.0866	12.8421	14.9287	53.2011	1.6200	2.09439
-0.20	2.0621	12.5236	14.5857	51.9276	1.8149	2.06852
0.0	2.0402	12.2378	14.2771	50.6974	2.0100	2.04411
0.20	2.0163	11.9644	13.9808	49.4902	2.2051	2.01915
0.40	1.9914	11.6918	13.6731	48.2846	2.3997	1.99138
0.60	1.9624	11.3673	13.3297	47.0596	2.5934	1.95835
0.80	1.9277	11.0003	12.9280	45.7967	2.7856	1.91772
1.00	1.8864	10.5662	12.4526	44.4841	2.9762	1.86777
1.20	1.8395	10.0515	11.9011	43.1214	3.1653	1.80804
1.40	1.7898	9.4968	11.2866	41.7209	3.3534	1.73960
1.60	1.7425	8.8942	10.6367	40.3053	3.5417	1.66481
1.80	1.7043	8.2827	9.9869	38.9006	3.7321	1.58671
2.00	1.6729	7.6938	9.3767	37.5326	3.9266	1.50836
2.20	1.6430	7.1728	8.8569	36.2375	4.1267	1.43345

T = 13600

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	4.0038	38.3878	42.3917	129.4683	-4.6939	4.00414
-6.80	3.9956	38.1751	42.1707	127.4138	-4.4947	3.99597
-6.60	3.9901	38.0365	42.0766	125.4366	-4.2953	3.99061
-6.40	3.9854	37.9456	41.9320	123.5091	-4.0957	3.98702
-6.20	3.9837	37.8841	41.8678	121.6125	-3.8960	3.98448
-6.00	3.9814	37.8395	41.8210	119.7339	-3.6962	3.98247
-5.80	3.9793	37.8026	41.7818	117.8639	-3.4965	3.98057
-5.60	3.9767	37.7655	41.7423	115.9949	-3.2967	3.97838

T = 13800

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-5.40	3.9734	37.7209	41.6943	114.1196	-3.0971	3.97543
-5.20	3.9696	37.6594	41.6279	112.2293	-2.8976	3.97112
-5.00	3.9614	37.5689	41.5303	110.3128	-2.6984	3.96458
-4.80	3.9505	37.4321	41.3826	108.3540	-2.4996	3.95453
-4.60	3.9341	37.2243	41.1584	106.3304	-2.3014	3.93913
-4.40	3.9096	36.9109	40.8206	104.2107	-2.1041	3.91580
-4.20	3.8736	36.4472	40.3209	101.9543	-1.9081	3.88116
-4.00	3.8221	35.7799	39.6020	99.5143	-1.7140	3.83120
-3.80	3.7511	34.8560	38.6071	96.8459	-1.5221	3.76193
-3.60	3.6579	33.6383	37.2962	93.9213	-1.3330	3.67051
-3.40	3.5423	32.1224	35.6647	90.7467	-1.1470	3.55658
-3.20	3.4074	30.3482	33.7556	87.3717	-0.9638	3.42314
-3.00	3.2593	28.3954	31.4548	83.8936	-0.7831	3.27616
-2.80	3.1057	26.3657	29.4714	80.3878	-0.6041	3.12327
-2.60	2.9543	24.3597	27.3140	76.9869	-0.4258	2.97211
-2.40	2.8112	22.4600	25.0712	73.7600	-0.2474	2.82889
-2.20	2.6806	20.7230	23.4036	70.7591	-0.0680	2.69785
-2.00	2.5647	19.1790	21.7437	68.0080	0.1128	2.58129
-1.80	2.4642	17.8370	20.3012	65.5087	0.2954	2.47991
-1.60	2.3785	16.6909	19.0694	63.2482	0.4800	2.39325
-1.40	2.3064	15.7253	18.0317	61.2043	0.6667	2.32013
-1.20	2.2463	14.9198	17.1661	59.3511	0.8552	2.25901
-1.00	2.1965	14.2523	16.4489	57.6609	1.0455	2.20819
-0.80	2.1554	13.7007	15.8561	56.1076	1.2372	2.16593
-0.60	2.1211	13.2438	15.3649	54.6663	1.4303	2.13055
-0.40	2.0921	12.8615	14.9535	53.3140	1.6243	2.10042
-0.20	2.0668	12.5344	14.6012	52.0294	1.8190	2.07382
0.0	2.0436	12.2432	14.2868	50.7918	2.0141	2.04899
0.20	2.0206	11.9679	13.9886	49.5807	2.2092	2.02394
0.40	1.9960	11.6870	13.6830	48.3748	2.4039	1.99643
0.60	1.9677	11.3780	13.3457	47.1530	2.5977	1.96402
0.80	1.9339	11.0198	12.9537	45.8961	2.7902	1.92430
1.00	1.8938	10.5965	12.4903	44.5913	2.9811	1.87542
1.20	1.8479	10.1031	11.9510	43.2361	3.1704	1.81669
1.40	1.7990	9.5478	11.3469	41.8411	3.3588	1.74897
1.60	1.7521	8.9518	10.7038	40.4275	3.5473	1.67448
1.80	1.7138	8.3433	10.0570	39.0215	3.7377	1.59621
2.00	1.6918	7.7548	9.4466	37.6496	3.9321	1.51733
2.20	1.6901	7.2351	8.9252	36.3519	4.1316	1.44186

T = 13900

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	4.0083	38.2784	42.2866	129.6355	-4.6902	4.00860
-6.80	3.9985	38.0265	42.0249	127.5402	-4.4912	3.99888
-6.60	3.9920	37.8623	41.8542	125.5362	-4.2919	3.99250
-6.40	3.9876	37.7549	41.7425	123.5915	-4.0924	3.98826
-6.20	3.9845	37.6831	41.6676	121.6842	-3.8928	3.98533
-6.00	3.9821	37.6325	41.6145	119.7991	-3.6930	3.98311
-5.80	3.9798	37.5925	41.5723	117.9258	-3.4933	3.98113
-5.60	3.9774	37.5548	41.5321	116.0559	-3.2935	3.97898
-5.40	3.9742	37.5116	41.4858	114.1818	-3.0939	3.97620
-5.20	3.9697	37.4542	41.4239	112.2952	-2.8944	3.97221
-5.00	3.9630	37.3710	41.3341	110.3854	-2.6951	3.96620
-4.80	3.9530	37.2461	41.1992	108.4375	-2.4962	3.95700

T = 13900

LOG RH0	Z	F/RT	1/RT	S/R	LOG P	Z*
-4.60	3.9379	37.0565	40.0944	106.4307	-2.2979	3.94280
-4.40	3.9153	36.7701	40.6855	104.3357	-2.1074	3.92146
-4.20	3.8820	36.3445	40.2265	102.1142	-1.9041	3.88949
-4.00	3.8340	35.7281	39.5620	99.7205	-1.7095	3.84308
-3.80	3.7673	34.8672	38.6345	97.1087	-1.5171	3.77814
-3.60	3.6798	33.7202	37.3990	94.2464	-1.3274	3.69150
-3.40	3.5677	32.2748	35.8425	91.1316	-1.1407	3.58219
-3.20	3.4366	30.5612	33.9977	87.8046	-0.9570	3.45249
-3.00	3.2906	28.6515	31.9427	84.2655	-0.7759	3.30783
-2.80	3.1375	26.5437	29.7812	80.4575	-0.5965	3.15564
-2.60	2.9852	24.2397	27.6248	77.4435	-0.4182	3.00362
-2.40	2.8400	22.7260	25.5660	74.1891	-0.2398	2.85839
-2.20	2.7066	21.0644	23.6709	71.1509	-0.0607	2.72462
-2.00	2.5876	19.3898	21.8774	68.3580	0.1198	2.60498
-1.80	2.4839	18.0153	20.4992	65.8164	0.3022	2.50045
-1.60	2.3952	16.8374	19.2227	63.5157	0.4862	2.41079
-1.40	2.3204	15.8424	18.1628	61.4354	0.6724	2.33495
-1.20	2.2580	15.0107	17.2686	59.5499	0.8605	2.27143
-1.00	2.2062	14.3205	16.5267	57.8323	1.0505	2.21855
-0.80	2.1633	13.7498	15.9132	56.2558	1.2420	2.17458
-0.60	2.1277	13.2773	15.4050	54.7955	1.4348	2.13783
-0.40	2.0977	12.8827	14.9804	53.4281	1.6286	2.10660
-0.20	2.0717	12.5466	14.6183	52.1321	1.8232	2.07923
0.0	2.0480	12.2496	14.2977	50.8867	2.0182	2.05393
0.20	2.0250	11.9720	13.9969	49.6712	2.2133	2.02875
0.40	2.0006	11.6923	13.6928	48.4665	2.4080	2.00146
0.60	1.9728	11.3882	13.3611	47.2454	2.6022	1.96962
0.80	1.9400	11.0383	12.9782	45.9943	2.7947	1.93078
1.00	1.9009	10.6256	12.5266	44.6971	2.9858	1.88295
1.20	1.8551	10.1434	11.9995	43.3496	3.1755	1.82525
1.40	1.8081	9.5979	11.4061	41.9605	3.3641	1.75830
1.60	1.7617	9.0088	10.7704	40.5495	3.5528	1.68416
1.80	1.7233	8.4038	10.1271	39.1427	3.7432	1.60578
2.00	1.7007	7.8163	9.5170	37.7676	3.9375	1.52642
2.20	1.6971	7.2986	8.9957	36.4682	4.1366	1.45046

T = 14000

LOG RH0	Z	F/RT	1/RT	S/R	LOG P	Z*
-7.00	4.0135	38.2106	42.2241	129.8414	-4.6865	4.01393
-6.80	4.0019	37.9133	41.9152	127.5991	-4.4877	4.00230
-6.60	3.9942	37.7192	41.7134	125.6639	-4.2886	3.99473
-6.40	3.9871	37.5924	41.5815	123.6990	-4.0891	3.98972
-6.20	3.9855	37.5084	41.4939	121.7799	-3.8895	3.98632
-6.00	3.9823	37.4504	41.4332	119.8861	-3.6899	3.98382
-5.80	3.9805	37.4064	41.3868	119.0085	-3.4901	3.98172
-5.60	3.9780	37.3673	41.3453	116.1369	-3.2904	3.97957
-5.40	3.9749	37.3250	41.2999	114.2633	-3.0907	3.97692
-5.20	3.9707	37.2709	41.2416	112.3796	-2.8911	3.97320
-5.00	3.9645	37.1940	41.1586	110.4755	-2.6918	3.96768
-4.80	3.9553	37.0796	41.0349	108.5373	-2.4928	3.95924
-4.60	3.9414	36.9062	40.8476	106.5454	-2.2944	3.94630
-4.40	3.9205	36.6441	40.5646	104.4727	-2.0967	3.92661
-4.20	3.8996	36.2531	40.1427	102.2829	-1.9001	3.89710
-4.00	3.8449	35.6934	39.5283	99.9317	-1.7051	3.85400

T = 14000.

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-3.80	3.7823	34.8815	38.6638	97.3729	-1.5123	3.79320
-3.60	3.6984	33.8020	37.5005	94.5701	-1.3220	3.71123
-3.40	3.5919	32.4255	36.0174	91.5140	-1.1347	3.60557
-3.20	3.4544	30.7728	34.2372	88.2358	-0.9504	3.48078
-3.00	3.3210	28.9078	32.2288	84.8080	-0.7687	3.33872
-2.80	3.1689	26.9244	30.0933	81.3301	-0.5891	3.18754
-2.60	3.0159	24.9247	27.9406	77.9062	-0.4106	3.03498
-2.40	2.8688	22.9989	25.8677	74.6258	-0.2323	2.88900
-2.20	2.7328	21.2136	23.9464	71.5512	-0.0534	2.75165
-2.00	2.6108	19.6089	22.2197	68.7168	0.1267	2.62901
-1.80	2.5040	18.2017	20.7057	66.1326	0.3086	2.52138
-1.60	2.4123	16.9915	19.4038	63.7910	0.4924	2.42872
-1.40	2.3348	15.9663	18.3011	61.6732	0.6782	2.35013
-1.20	2.2700	15.1075	17.3775	59.7547	0.8660	2.28418
-1.00	2.2161	14.3939	16.6100	58.0086	1.0556	2.22920
-0.80	2.1715	13.8034	15.9750	56.4081	1.2467	2.18348
-0.60	2.1345	13.3146	15.4491	54.9281	1.4393	2.14528
-0.40	2.1034	12.9070	15.0104	53.5449	1.6329	2.11293
-0.20	2.0766	12.5612	14.6378	52.2367	1.8273	2.08474
0.0	2.0525	12.2578	14.3103	50.9827	2.0223	2.05892
0.20	2.0292	11.9770	14.0062	49.7620	2.2173	2.03354
0.40	2.0050	11.6977	13.7027	48.5538	2.4121	2.00640
0.60	1.9778	11.3977	13.3755	47.3365	2.6062	1.97505
0.80	1.9458	11.0552	13.0009	46.0904	2.7991	1.93701
1.00	1.9078	10.6524	12.5602	44.8001	2.9905	1.89018
1.20	1.8640	10.1809	12.0450	43.4600	3.1804	1.83349
1.40	1.8159	9.6452	11.4622	42.0767	3.3693	1.76732
1.60	1.7709	9.0532	10.8342	40.6687	3.5582	1.69358
1.80	1.7326	8.4623	10.1949	39.2616	3.7487	1.61516
2.00	1.7095	7.8763	9.5858	37.8838	3.9428	1.53540
2.20	1.7038	7.3617	9.0655	36.5836	4.1414	1.45905

T = 14100

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	4.0196	38.1263	42.1459	130.0290	-4.6827	4.01994
-6.80	4.0059	37.7771	41.7830	127.8322	-4.4842	4.00630
-6.60	3.9968	37.5483	41.5452	125.7609	-4.2852	3.99733
-6.40	3.9908	37.3990	41.3898	123.7724	-4.0859	3.99143
-6.20	3.9867	37.3007	41.2874	121.8373	-3.8863	3.98746
-6.00	3.9836	37.2339	41.2175	119.9353	-3.6866	3.98463
-5.80	3.9811	37.1849	41.1660	118.0523	-3.4869	3.98236
-5.60	3.9786	37.1436	41.1222	116.1783	-3.2872	3.98017
-5.40	3.9756	37.1016	41.0772	114.3047	-3.0875	3.97761
-5.20	3.9716	37.0501	41.0217	112.4232	-2.8880	3.97413
-5.00	3.9659	36.9788	40.9447	110.5242	-2.6886	3.96902
-4.80	3.9574	36.8737	40.8311	108.5946	-2.4895	3.96127
-4.60	3.9445	36.7152	40.6597	106.6163	-2.2909	3.94939
-4.40	3.9252	36.4754	40.4007	104.5642	-2.0931	3.93128
-4.20	3.8956	36.1156	40.0133	102.4039	-1.8962	3.90405
-4.00	3.8550	35.5912	39.4462	100.0931	-1.7009	3.86405
-3.80	3.7963	34.8459	38.6422	97.5854	-1.5076	3.80717
-3.60	3.7169	33.8329	37.5498	94.8416	-1.3167	3.72973
-3.40	3.6149	32.5264	36.1413	91.8460	-1.1298	3.62971
-3.20	3.4914	30.9382	34.4206	88.6208	-0.9439	3.50799



T= 14100

LOG RHO	Z	F/RT	1/RT	S/R	LOG P	Z*
-3.00	3.3507	29.1237	32.4744	85.2303	-0.7518	3.36881
-2.80	3.1098	27.1715	30.3712	81.7697	-0.5818	3.21994
-2.60	3.0464	25.1830	29.2294	78.3427	-0.4031	3.06616
-2.40	2.8977	23.2512	26.1489	75.0426	-0.2249	2.91765
-2.20	2.7592	21.4474	24.2067	71.9369	-0.0461	2.77890
-2.00	2.6343	19.8167	22.4510	69.0648	0.1337	2.65336
-1.80	2.5244	18.3800	20.9044	66.4410	0.3152	2.54267
-1.60	2.4298	17.1398	19.5695	64.1607	0.4986	2.44704
-1.40	2.3495	16.0861	18.4356	61.9071	0.6840	2.36568
-1.20	2.2822	15.2016	17.4838	59.9566	0.8714	2.29726
-1.00	2.2263	14.4654	16.6917	58.1828	1.0607	2.24015
-0.80	2.1800	13.8557	16.0357	56.5588	1.2515	2.19262
-0.60	2.1415	13.3510	15.4925	55.0593	1.4438	2.15295
-0.40	2.1093	12.9307	15.0400	53.6605	1.6372	2.11743
-0.20	2.0817	12.5753	14.6570	52.3403	1.8315	2.09037
0.0	2.0570	12.2654	14.3224	51.0775	2.0263	2.06390
0.20	2.0335	11.9814	14.0149	49.8517	2.2213	2.03837
0.40	2.0094	11.7023	13.7117	48.6416	2.4161	2.01132
0.60	1.9827	11.4260	13.3887	47.4260	2.6103	1.98042
0.80	1.9514	11.0706	13.0220	46.1845	2.8034	1.94315
1.00	1.9144	10.4776	12.5920	44.9011	2.9951	1.89730
1.20	1.8718	10.2168	12.0897	43.5684	3.1853	1.84162
1.40	1.8256	9.5912	11.5167	42.1914	3.3745	1.77627
1.60	1.7801	9.1168	10.8969	40.7869	3.5635	1.70299
1.80	1.7419	8.5203	10.2622	39.3800	3.7541	1.62458
2.00	1.7182	7.7364	9.6546	38.0000	3.9481	1.54446
2.20	1.7104	7.4256	9.1361	36.7001	4.1462	1.46782

T= 14200

LOG RHO	Z	F/RT	1/RT	S/R	LOG P	Z*
-7.00	4.0267	38.0886	42.1153	130.2606	-4.6789	4.02703
-6.80	4.0106	37.6799	41.6904	128.0016	-4.4806	4.01099
-6.60	3.9999	37.4111	41.4110	125.9885	-4.2818	4.00039
-6.40	3.9928	37.2355	41.2283	123.8727	-4.0826	3.99342
-6.20	3.9880	37.1203	41.1083	121.9199	-3.8831	3.98877
-6.00	3.9845	37.0429	41.0275	120.0069	-3.6835	3.98554
-5.80	3.9818	36.9878	40.9695	118.1174	-3.4838	3.98305
-5.60	3.9792	36.9436	40.9229	116.2401	-3.2841	3.98072
-5.40	3.9763	36.9010	40.8773	114.3657	-3.0844	3.97827
-5.20	3.9725	36.8514	40.8240	112.4858	-2.8848	3.97499
-5.00	3.9672	36.7848	40.7520	110.5909	-2.6854	3.97025
-4.80	3.9593	36.5880	40.6472	108.6688	-2.4862	3.96312
-4.60	3.9474	36.5426	40.4907	106.7027	-2.2875	3.95220
-4.40	3.9295	36.3229	40.2524	104.6690	-2.0895	3.93553
-4.20	3.9030	35.9933	39.8963	102.5355	-1.8925	3.91040
-4.00	3.8642	35.5083	39.3726	100.2615	-1.6968	3.87327
-3.80	3.8092	34.8157	38.6249	97.8013	-1.5030	3.82711
-3.60	3.7341	33.8655	37.5997	95.1135	-1.3117	3.74705
-3.40	3.6367	32.6266	36.2632	92.1765	-1.1231	3.65163
-3.20	3.5172	31.1022	34.6195	89.0042	-0.9376	3.53410
-3.00	3.3796	29.3392	32.7187	85.6525	-0.7550	3.39803
-2.80	3.2301	27.4202	30.6503	82.2113	-0.5746	3.24979
-2.60	3.0767	25.4450	28.5217	78.7837	-0.3958	3.09709
-2.40	2.9267	23.5091	26.4358	75.4658	-0.2175	2.94731

T = 14200						
LOG RHO	Z	F/R	1/R	S/R	LOG P	Z*
-2.20	2.7859	21.6881	24.4740	72.3300	-0.0399	2.80633
-2.00	2.6581	20.3319	22.6900	69.4209	0.1407	2.67801
-1.80	2.5452	18.5657	21.1100	66.7572	0.3219	2.56432
-1.60	2.4476	17.2951	19.7427	64.3377	0.5049	2.46571
-1.40	2.3646	16.2125	18.5770	62.1476	0.6899	2.38158
-1.20	2.2948	15.3015	17.5263	60.1643	0.8769	2.31066
-1.00	2.2367	14.5420	16.7788	58.3619	1.0658	2.25138
-0.80	2.1886	13.9124	16.1010	56.7137	1.2563	2.20201
-0.60	2.1487	13.3911	15.5398	55.1940	1.4483	2.16082
-0.40	2.1153	12.9576	15.0729	53.7789	1.6415	2.12609
-0.20	2.0868	12.5920	14.6789	52.4459	1.8356	2.09612
0.0	2.0615	12.2750	14.3366	51.1739	2.0303	2.06914
0.20	2.0378	11.9871	14.0249	49.9420	2.2253	2.04322
0.40	2.0138	11.7075	13.7213	48.7295	2.4201	2.01622
0.60	1.9974	11.4142	13.4217	47.5148	2.6144	1.98570
0.80	1.9569	11.0853	13.0422	46.2775	2.8077	1.94914
1.00	1.9209	10.7014	12.6223	45.0005	2.9996	1.91424
1.20	1.8793	10.2512	12.1305	43.6751	3.1901	1.84955
1.40	1.8340	9.7355	11.5695	42.3043	3.3795	1.78507
1.60	1.7892	9.1690	10.9582	40.9037	3.5688	1.71229
1.80	1.7511	8.5775	10.3286	39.4975	3.7594	1.63395
2.00	1.7269	7.9962	9.7231	38.1160	3.9534	1.55355
2.20	1.7168	7.4905	9.2073	36.8176	4.1509	1.47673

T = 14300						
LOG RHO	Z	F/R	1/R	S/R	LOG P	Z*
-7.00	4.0349	38.0796	42.1145	130.5189	-4.6750	4.03523
-6.80	4.0160	37.6033	41.6193	128.1891	-4.4770	4.01641
-6.60	4.0034	37.2887	41.2921	126.0282	-4.2784	4.00395
-6.40	3.9951	37.0827	41.0778	123.9806	-4.0793	3.99574
-6.20	3.9895	36.9478	40.9374	122.0073	-3.8799	3.99030
-6.00	3.9856	36.8581	40.8437	120.0813	-3.6803	3.98557
-5.80	3.9826	36.7955	40.7781	118.1840	-3.4806	3.98381
-5.60	3.9799	36.7474	40.7272	116.3024	-3.2809	3.98142
-5.40	3.9770	36.7036	40.6896	114.4265	-3.0813	3.97893
-5.20	3.9734	36.6552	40.6286	112.5474	-2.8816	3.97580
-5.00	3.9683	36.5925	40.5508	110.6559	-2.6822	3.97139
-4.80	3.9610	36.5029	40.4638	108.7404	-2.4830	3.96480
-4.60	3.9500	36.3693	40.3193	106.7851	-2.2842	3.95475
-4.40	3.9335	36.1676	40.1011	104.7680	-2.0860	3.93940
-4.20	3.9088	35.8647	39.7735	102.6590	-1.8888	3.91618
-4.00	3.8727	35.4171	39.2898	100.4190	-1.6928	3.88174
-3.80	3.8212	34.7736	38.5948	98.0033	-1.4986	3.83208
-3.60	3.7503	33.9834	37.6336	95.3689	-1.3067	3.76323
-3.40	3.6573	32.7103	36.3676	92.4894	-1.1176	3.67236
-3.20	3.5420	31.2500	34.7920	89.3706	-0.9316	3.55909
-3.00	3.4075	29.5404	32.9479	86.0602	-0.7484	3.42633
-2.80	3.2598	27.6578	30.9175	82.6421	-0.5676	3.28001
-2.60	3.1066	25.6996	28.8063	79.2177	-0.3885	3.12766
-2.40	2.9555	23.7630	26.7184	75.8854	-0.2102	2.97589
-2.20	2.8126	21.9274	24.7400	72.7222	-0.0317	2.83388
-2.00	2.6821	20.2475	22.9296	69.7778	0.1477	2.70291
-1.80	2.5663	18.7530	21.3193	67.0755	0.3285	2.58628
-1.60	2.4657	17.4528	19.9185	64.6173	0.5111	2.48473

T = 14300

LOG RHO	Z	F/RT	H/RT	S/R	LOG P	Z*
-1.00	2.3799	16.3414	19.7214	62.3908	3.6957	2.39781
-1.20	2.3077	15.4041	17.7118	60.3746	0.8824	2.32437
-1.00	2.2474	14.6212	16.8687	58.5434	1.0709	2.26283
-0.80	2.1975	13.9715	16.1690	56.9706	1.2611	2.21164
-0.60	2.1562	13.4334	15.5894	55.3304	1.4528	2.16889
-0.40	2.1214	12.9862	15.1076	53.8986	1.6458	2.13297
-0.20	2.0920	12.6101	14.7021	52.5525	1.8397	2.10200
0.00	2.0661	12.2857	14.3518	51.2707	2.0343	2.07435
0.20	2.0421	11.9934	14.0355	50.0325	2.2293	2.04817
0.40	2.0191	11.7128	13.7309	48.8170	2.4241	2.02108
0.60	1.9921	11.4222	13.4141	47.6028	2.6185	1.99089
0.80	1.9623	11.0989	13.0611	46.3690	2.8119	1.95499
1.00	1.9272	10.7236	12.6508	45.0980	3.0041	1.91098
1.20	1.8866	10.2836	12.1702	43.7796	3.1949	1.85729
1.40	1.8423	9.7779	11.6201	42.4153	3.3845	1.79364
1.60	1.7980	9.2194	11.0175	41.0189	3.5740	1.72142
1.80	1.7601	8.6333	10.3934	39.6140	3.7647	1.64321
2.00	1.7354	8.0551	9.7905	38.2316	3.9586	1.56257
2.20	1.7228	7.5555	9.2783	36.9358	4.1554	1.48569

T = 14400

LOG RHO	Z	F/RT	H/RT	S/R	LOG P	Z*
-7.00	4.0443	33.1024	42.1468	130.8072	-4.6709	4.04467
-6.80	4.0223	37.5499	41.5722	128.3977	-4.4733	4.02271
-6.60	4.0076	37.1028	41.1904	126.1819	-4.2749	4.00809
-6.40	3.9978	36.9418	40.9397	124.0978	-4.0760	3.99845
-6.20	3.9913	36.7841	40.7755	122.1006	-3.8767	3.99208
-6.00	3.9868	36.6799	40.6667	120.1594	-3.6777	3.98777
-5.80	3.9834	36.6084	40.5919	118.2528	-3.4775	3.98465
-5.60	3.9806	36.5553	40.5359	116.3659	-3.2778	3.98211
-5.40	3.9777	36.5095	40.4872	114.4876	-3.0781	3.97959
-5.20	3.9742	36.4617	40.4359	112.6088	-2.8785	3.97658
-5.00	3.9694	36.4021	40.3715	110.7200	-2.6791	3.97244
-4.80	3.9625	36.3187	40.2813	108.8102	-2.4798	3.96634
-4.60	3.9523	36.1957	40.1480	106.8645	-2.2809	3.95707
-4.40	3.9370	36.0104	39.9474	104.8624	-2.0826	3.94293
-4.20	3.9142	35.7317	39.6459	102.7756	-1.8851	3.92148
-4.00	3.8805	35.3185	39.1991	100.5672	-1.6889	3.88952
-3.80	3.8323	34.7211	38.5534	98.1931	-1.4943	3.84315
-3.60	3.7654	33.8878	37.6532	95.6097	-1.3020	3.77835
-3.40	3.6768	32.7788	36.4555	92.7862	-1.1123	3.69195
-3.20	3.5657	31.3824	34.9481	89.7214	-0.9256	3.58299
-3.00	3.4346	29.7280	33.1625	86.4544	-0.7419	3.45374
-2.80	3.2889	27.8847	31.1737	83.0627	-0.5607	3.30960
-2.60	3.1363	25.9471	29.0834	79.6455	-0.3814	3.15794
-2.40	2.9843	24.0129	26.9972	76.3019	-0.2029	3.00641
-2.20	2.8395	22.1654	25.0049	73.1139	-0.0245	2.86157
-2.00	2.7064	20.4639	23.1703	70.1360	0.1546	2.72807
-1.80	2.5876	18.9423	21.5299	67.3961	0.3351	2.60858
-1.60	2.4841	17.6132	20.0973	64.8999	0.5174	2.50410
-1.40	2.3956	16.4734	18.8689	62.6371	0.7015	2.41439
-1.20	2.3208	15.5096	17.8305	60.5379	0.8879	2.33842
-1.00	2.2584	14.7032	16.9616	58.7276	1.0760	2.27469
-0.80	2.2065	14.0332	16.2397	57.0298	1.2659	2.22153

T = 14400						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-0.60	2.1635	13.4797	15.5415	55.4683	1.4574	2.17718
-0.40	2.1277	13.0169	15.1446	54.0198	1.6501	2.13992
-0.20	2.0973	12.6299	14.7272	52.6602	1.8439	2.10802
0.0	2.0708	12.2976	14.3684	51.3683	2.0384	2.07967
0.20	2.0464	12.0006	14.0470	50.1233	2.2332	2.05302
0.40	2.0223	11.7184	13.7408	48.9043	2.4281	2.02593
0.60	1.9967	11.4295	13.4262	47.6899	2.6225	1.99602
0.80	1.9675	11.1116	13.1791	46.4591	2.8161	1.96771
1.00	1.9333	10.7446	12.8778	45.1937	3.0085	1.91757
1.20	1.8937	10.3144	12.5081	43.8822	3.1995	1.86485
1.40	1.8503	9.8186	11.9689	42.5243	3.3895	1.80209
1.60	1.8067	9.2684	11.3752	41.1323	3.5791	1.73044
1.80	1.7639	8.6881	10.7571	39.7291	3.7699	1.65247
2.00	1.7438	8.1136	9.8574	38.3464	3.9637	1.57152
2.20	1.7286	7.5213	9.3499	37.0544	4.1599	1.49481

T = 14500						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	4.0551	38.1595	42.2146	131.1281	-4.6668	4.05548
-6.80	4.0296	37.5214	41.5510	128.6290	-4.4695	4.02997
-6.60	4.0124	37.0949	41.1973	126.3511	-4.2714	4.01289
-6.40	4.0010	36.8139	40.8149	124.2251	-4.0726	4.00159
-6.20	3.9934	36.6299	40.6232	122.2004	-3.8734	3.99413
-6.00	3.9892	36.5087	40.4968	120.2414	-3.6740	3.98913
-5.80	3.9844	36.4267	40.4111	118.3238	-3.4744	3.98561
-5.60	3.9813	36.3675	40.3488	116.4304	-3.2747	3.98284
-5.40	3.9784	36.3189	40.2973	114.5490	-3.0751	3.98026
-5.20	3.9749	36.2709	40.2458	112.6696	-2.8754	3.97733
-5.00	3.9704	36.2136	40.1841	110.7829	-2.6759	3.97342
-4.80	3.9640	36.1357	40.0997	108.8779	-2.4766	3.96775
-4.60	3.9545	36.0220	39.9765	106.9407	-2.2777	3.95919
-4.40	3.9403	35.8515	39.7917	104.9522	-2.0792	3.94414
-4.20	3.9190	35.5949	39.5140	102.8856	-1.8816	3.92631
-4.00	3.8977	35.2134	39.1011	100.7061	-1.6851	3.89666
-3.80	3.8425	34.6588	38.5013	98.3709	-1.4902	3.85340
-3.60	3.7794	33.8795	37.6589	95.8358	-1.2973	3.79245
-3.40	3.6951	32.8323	36.5275	93.0668	-1.1071	3.71040
-3.20	3.5883	31.4993	35.0876	90.0558	-0.9199	3.60577
-3.00	3.4607	29.9011	33.3618	86.8340	-0.7355	3.48019
-2.80	3.3174	28.0999	31.4173	83.4716	-0.5540	3.33848
-2.60	3.1555	26.1861	29.3516	80.0648	-0.3743	3.18777
-2.40	3.0129	24.2577	27.2706	76.7137	-0.1958	3.03575
-2.20	2.8664	22.4010	25.2674	73.5037	-0.0174	2.88929
-2.00	2.7308	20.6799	23.4107	70.4944	0.1615	2.75341
-1.80	2.6093	19.1326	21.7419	67.7182	0.3417	2.63114
-1.60	2.5029	17.7754	20.2783	65.1845	0.5237	2.52379
-1.40	2.4115	16.6076	19.0191	62.8857	0.7075	2.43130
-1.20	2.3343	15.6176	17.9519	60.8035	0.8934	2.35277
-1.00	2.2696	14.7877	17.0573	58.9140	1.0812	2.28677
-0.80	2.2158	14.0971	16.3129	57.1911	1.2708	2.23165
-0.60	2.1712	13.5246	15.6958	55.6088	1.4619	2.18568
-0.40	2.1341	13.0493	15.1834	54.1424	1.6544	2.14708
-0.20	2.1027	12.6512	14.7539	52.7689	1.8480	2.11414
0.0	2.0755	12.3107	14.3862	51.4665	2.0423	2.08507

T= 14500						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
0.20	2.0507	12.0085	14.0593	50.2143	2.2371	2.05798
0.40	2.0266	11.7244	13.7509	48.9913	2.4320	2.03077
0.60	2.0011	11.4368	13.4379	47.7762	2.6265	2.00109
0.80	1.9725	11.1236	13.0961	46.5480	2.8202	1.96632
1.00	1.9392	10.7642	12.7033	45.2877	3.0128	1.92407
1.20	1.9006	10.3435	12.2441	43.9828	3.2041	1.87223
1.40	1.8581	9.8575	11.7156	42.6313	3.3943	1.81035
1.60	1.8152	9.3159	11.1311	41.2440	3.5841	1.73931
1.80	1.7777	8.7417	10.5194	39.8429	3.7751	1.66153
2.00	1.7521	8.1714	9.9235	38.4605	3.9689	1.58063
2.20	1.7339	7.6878	9.4217	37.1738	4.1647	1.50405

T= 14600						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	4.0675	39.2536	42.3217	131.4846	-4.6625	4.06780
-6.80	4.0379	37.5203	41.5582	128.8855	-4.4656	4.03931
-6.60	4.0179	37.0268	41.0448	126.5375	-4.2678	4.01843
-6.40	4.0046	36.7001	40.7048	124.3638	-4.0692	4.00523
-6.20	3.9957	36.4858	40.4816	122.3074	-3.8702	3.99651
-6.00	3.9897	36.3450	40.3348	120.3280	-3.6708	3.99070
-5.80	3.9855	36.2507	40.2352	118.3974	-3.4713	3.98668
-5.60	3.9821	36.1842	40.1664	116.4962	-3.2717	3.98364
-5.40	3.9791	36.1319	40.1179	114.6108	-3.0720	3.98096
-5.20	3.9757	36.0829	40.0856	112.7302	-2.8724	3.97806
-5.00	3.9714	36.0274	39.9997	110.8447	-2.6728	3.97435
-4.80	3.9653	35.9540	39.9194	108.9437	-2.4735	3.96906
-4.60	3.9565	35.8486	39.8050	107.0141	-2.2745	3.96113
-4.40	3.9433	35.6713	39.6346	105.0377	-2.0759	3.94905
-4.20	3.9235	35.4549	39.3784	102.9896	-1.8781	3.93372
-4.00	3.8943	35.1024	38.9967	100.8366	-1.6814	3.90320
-3.80	3.8527	34.5375	38.4397	98.5375	-1.4861	3.86284
-3.60	3.7926	33.8592	37.5518	96.0482	-1.2929	3.80557
-3.40	3.7124	32.8716	36.5840	93.3317	-1.1021	3.72775
-3.20	3.6098	31.6009	35.2107	90.3742	-0.9143	3.62745
-3.00	3.4858	30.0600	33.5458	87.1987	-0.7295	3.50564
-2.80	3.3450	28.3031	31.6481	83.8685	-0.5474	3.36560
-2.60	3.1943	26.4162	29.6104	80.4756	-0.3674	3.21711
-2.40	3.0413	24.4967	27.5380	77.1201	-0.1887	3.06488
-2.20	2.8932	22.6337	25.5269	73.8911	-0.0104	2.91701
-2.00	2.7554	20.8951	23.6505	70.8524	0.1684	2.77490
-1.80	2.6311	19.3237	21.9548	68.0413	0.3483	2.65395
-1.60	2.5219	17.9392	20.4511	65.4710	0.5299	2.54376
-1.40	2.4278	16.7439	19.1717	63.1366	0.7134	2.44850
-1.20	2.3490	15.7279	18.0759	61.0215	0.8989	2.36740
-1.00	2.2810	14.8744	17.1554	59.1026	1.0863	2.29912
-0.80	2.2253	14.1632	16.3895	57.3543	1.2755	2.24202
-0.60	2.1791	13.5732	15.7523	55.7505	1.4665	2.19437
-0.40	2.1407	13.0835	15.2241	54.2664	1.6587	2.15442
-0.20	2.1093	12.6739	14.7822	52.8786	1.8521	2.12041
0.00	2.0803	12.3249	14.4057	51.5654	2.0463	2.09056
0.20	2.0551	12.0172	14.0723	50.3055	2.2410	2.06299
0.40	2.0308	11.7306	13.7614	49.0782	2.4350	2.03562
0.60	2.0055	11.4439	13.4494	47.8620	2.6304	2.00609
0.80	1.9774	11.1448	13.1122	46.6357	2.8243	1.97192

T = 14600

LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
1.00	1.9449	10.7825	12.7274	45.3801	3.0171	1.93027
1.20	1.9073	10.3711	12.2784	44.0815	3.2085	1.87943
1.40	1.8657	9.8958	11.7605	42.7364	3.3990	1.81844
1.60	1.8235	9.3618	11.1853	41.3541	3.5891	1.74805
1.80	1.7862	8.7941	10.5803	39.9556	3.7801	1.67055
2.00	1.7602	8.2286	9.9888	38.5741	3.9738	1.58962
2.20	1.7388	7.7552	9.4940	37.2943	4.1685	1.51347

T = 14700

LOG RHO	Z	E/RT	H/RT	S/R	LJG P	Z*
-7.00	4.0814	38.3877	42.4691	131.8803	-4.6580	4.08173
-6.80	4.0474	37.5492	41.5966	129.1706	-4.4616	4.04785
-6.60	4.0243	36.9805	41.0048	126.7438	-4.2641	4.02480
-6.40	4.0088	36.6020	40.6109	124.5150	-4.0658	4.00943
-6.20	3.9995	36.3530	40.3515	122.4233	-3.8669	3.99926
-6.00	3.9916	36.1896	40.1812	120.4272	-3.6677	3.99251
-5.80	3.9867	36.0810	40.0677	118.4745	-3.4682	3.98791
-5.60	3.9830	36.0057	39.9888	116.5642	-3.2685	3.98453
-5.40	3.9798	35.9487	39.9295	114.6737	-3.0690	3.98169
-5.20	3.9764	35.8980	39.8745	112.7910	-2.8693	3.97879
-5.00	3.9723	35.8434	39.8157	110.9061	-2.6698	3.97523
-4.80	3.9666	35.7739	39.7404	109.0085	-2.4704	3.97027
-4.60	3.9583	35.6757	39.6340	107.0854	-2.2713	3.96291
-4.40	3.9460	35.5304	39.4764	105.1199	-2.0727	3.95175
-4.20	3.9276	35.3123	39.2399	103.0885	-1.8747	3.93477
-4.00	3.9004	34.9865	38.8869	100.9600	-1.6777	3.90922
-3.80	3.8608	34.5098	38.3696	98.6946	-1.4821	3.87158
-3.60	3.8048	33.8284	37.6332	96.2485	-1.2885	3.81780
-3.40	3.7287	32.8980	36.6267	93.5826	-1.0973	3.74408
-3.20	3.6303	31.6886	35.3189	90.6779	-0.9089	3.64808
-3.00	3.5101	30.2054	33.7155	87.5499	-0.7235	3.53016
-2.80	3.3720	28.4949	31.8669	84.2542	-0.5409	3.39399
-2.60	3.2226	26.6379	29.8605	80.8784	-0.3606	3.24599
-2.40	3.0695	24.7305	27.8000	77.5219	-0.1818	3.09381
-2.20	2.9202	22.8639	25.7840	74.2765	-0.0034	2.94476
-2.00	2.7802	21.1100	23.8002	71.2106	0.1752	2.80457
-1.80	2.6533	19.5158	21.1691	68.3661	0.3549	2.67704
-1.60	2.5412	18.1051	20.6463	65.7599	0.5362	2.56406
-1.40	2.4444	16.8827	19.3271	63.3902	0.7193	2.46604
-1.20	2.3620	15.8408	18.2028	61.2422	0.9044	2.38236
-1.00	2.2928	14.9637	17.2565	59.2938	1.0915	2.31177
-0.80	2.2351	14.2318	16.4669	57.5198	1.2805	2.25265
-0.60	2.1872	13.6241	15.8113	55.8941	1.4711	2.20330
-0.40	2.1474	13.1196	15.2670	54.3920	1.6631	2.16194
-0.20	2.1139	12.6983	14.8123	52.9897	1.8563	2.12683
0.0	2.0852	12.3406	14.4258	51.6652	2.0503	2.09617
0.20	2.0595	12.0270	14.0865	50.3974	2.2449	2.06809
0.40	2.0350	11.7376	13.7726	49.1652	2.4397	2.04050
0.60	2.0099	11.4512	13.4611	47.9475	2.6343	2.01109
0.80	1.9822	11.1660	13.1282	46.7229	2.8283	1.97728
1.00	1.9505	10.8804	12.7509	45.4717	3.0213	1.93648
1.20	1.9138	10.5980	12.3118	44.1793	3.2131	1.88655
1.40	1.8732	9.9314	11.8046	42.8407	3.4037	1.82646
1.60	1.8317	9.4072	11.2389	41.4635	3.5940	1.75676

T = 14700						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
1.80	1.7947	8.8464	10.5411	40.0681	3.7852	1.67961
2.00	1.7683	8.2861	10.0544	38.6879	3.9787	1.59871
2.20	1.7433	7.8245	9.5578	37.4168	4.1726	1.52317

T = 14800						
LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-7.00	4.0972	39.5542	42.6614	132.3177	-4.6534	4.09754
-6.80	4.0583	37.6103	41.6686	129.4867	-4.4575	4.05870
-6.60	4.0216	36.9579	40.9895	126.9719	-4.2604	4.03211
-6.40	4.0136	36.5210	40.5347	124.6828	-4.0623	4.01425
-6.20	4.0017	36.2326	40.2342	122.5490	-3.8635	4.00243
-6.00	3.9936	36.0432	40.0368	120.5187	-3.6645	3.99460
-5.80	3.9881	35.9179	39.9060	118.5556	-3.4651	3.98930
-5.60	3.9840	35.8324	39.8164	116.6345	-3.2655	3.98551
-5.40	3.9806	35.7695	39.7501	114.7376	-3.0659	3.98247
-5.20	3.9772	35.7163	39.6935	112.8521	-2.8663	3.97953
-5.00	3.9732	35.6619	39.6351	110.9671	-2.6667	3.97607
-4.80	3.9677	35.5954	39.5632	109.0721	-2.4673	3.97140
-4.60	3.9600	35.5036	39.4635	107.1547	-2.2682	3.96455
-4.40	3.9485	35.3590	39.3175	105.1989	-2.0694	3.95420
-4.20	3.9314	35.1675	39.0989	103.1928	-1.8713	3.93847
-4.00	3.9060	34.8563	38.7722	101.0766	-1.6741	3.91475
-3.80	3.8689	34.4228	38.2917	98.8424	-1.4783	3.87965
-3.60	3.8162	33.7376	37.6038	96.4370	-1.2843	3.82918
-3.40	3.7440	32.9120	36.6559	93.8197	-1.0925	3.75942
-3.20	3.6497	31.7625	35.4122	90.9670	-0.9035	3.66766
-3.00	3.5334	30.3372	33.8706	87.8869	-0.7177	3.55370
-2.80	3.3982	28.6748	32.0730	84.6290	-0.5346	3.42060
-2.60	3.2504	26.8504	30.1008	81.2723	-0.3539	3.27434
-2.40	3.0975	24.9591	28.0555	77.9181	-0.1749	3.12246
-2.20	2.9470	23.0907	26.7373	74.6592	0.0035	2.97245
-2.00	2.8051	21.3237	24.1298	71.5682	0.1821	2.83035
-1.80	2.6756	19.7085	22.3841	68.6917	0.3615	2.70035
-1.60	2.5608	18.2724	20.8332	66.0506	0.5425	2.58463
-1.40	2.4612	17.0236	19.4848	63.6460	0.7253	2.48388
-1.20	2.3762	15.9560	18.3323	61.4652	0.9100	2.39762
-1.00	2.3047	15.0554	17.3601	59.4872	1.0967	2.32469
-0.80	2.2450	14.3026	16.5475	57.6873	1.2852	2.26353
-0.60	2.1954	13.6770	15.8724	56.0396	1.4755	2.21244
-0.40	2.1542	13.1576	15.3119	54.5190	1.6674	2.16965
-0.20	2.1197	12.7243	14.8440	53.1019	1.8604	2.13339
0.0	2.0901	12.3574	14.4476	51.7658	2.0543	2.10187
0.20	2.0639	12.0376	14.1015	50.4895	2.2488	2.07322
0.40	2.0392	11.7449	13.7840	49.2521	2.4436	2.04538
0.60	2.0141	11.4584	13.4725	48.0323	2.6382	2.01604
0.80	1.9869	11.1562	13.1432	46.8088	2.8323	1.98252
1.00	1.9558	10.8169	12.7727	45.5614	3.0254	1.94250
1.20	1.9201	10.4229	12.3429	44.2748	3.2174	1.89344
1.40	1.8804	9.9657	11.8461	42.9425	3.4084	1.83425
1.60	1.8396	9.4504	11.2900	41.5706	3.5988	1.76525
1.80	1.8030	8.8966	10.6996	40.1785	3.7901	1.68849
2.00	1.7761	8.3422	10.1183	38.8004	3.9836	1.60769
2.20	1.7472	7.8943	9.6415	37.5399	4.1764	1.53301

T= 14900

LOG RHO	Z	E/RT	I/RT	S/R	LOG P	Z*
-7.00	4.1148	33.7852	42.9701	132.7991	-4.6486	4.11520
-6.80	4.0706	37.7060	41.7766	129.8359	-4.4533	4.07100
-6.60	4.0399	36.9509	41.0009	127.2237	-4.2566	4.04044
-6.40	4.0192	36.4586	40.4778	124.8660	-4.0588	4.01981
-6.20	4.0053	36.1254	40.1307	122.6854	-3.8603	4.00608
-6.00	3.9960	35.9063	39.9724	120.6241	-3.6613	3.99699
-5.80	3.9897	35.7619	39.7516	118.6409	-3.4620	3.99089
-5.60	3.9852	35.6644	39.6495	116.7072	-3.2625	3.98662
-5.40	3.9815	35.5945	39.5759	114.8029	-3.0629	3.98331
-5.20	3.9780	35.5379	39.5159	112.9136	-2.8633	3.98028
-5.00	3.9740	35.4830	39.4570	111.0277	-2.6637	3.97689
-4.80	3.9698	35.4188	39.3875	109.1345	-2.4643	3.97245
-4.60	3.9615	35.3324	39.2939	107.2220	-2.2651	3.96606
-4.40	3.9508	35.2174	39.1581	105.2749	-2.0663	3.95645
-4.20	3.9348	35.0209	38.9557	103.2725	-1.8680	3.94187
-4.00	3.9111	34.7422	38.6533	101.1858	-1.6707	3.91983
-3.80	3.8764	34.3305	38.2069	98.9815	-1.4745	3.89709
-3.60	3.8268	33.7376	37.5643	96.6142	-1.2801	3.83974
-3.40	3.7583	32.9140	36.6723	94.0434	-1.0880	3.77379
-3.20	3.6681	31.8228	35.4910	91.2414	-0.8985	3.68620
-3.00	3.5557	30.4553	34.0110	88.2097	-0.7120	3.57624
-2.80	3.4236	28.8424	32.2660	84.9891	-0.5285	3.44636
-2.60	3.2776	27.0530	30.3306	81.5564	-0.3474	3.30208
-2.40	3.1251	25.1788	28.3039	78.3079	-0.1681	3.15078
-2.20	2.9738	23.3134	26.2872	75.0381	0.0173	3.00001
-2.00	2.8300	21.5356	24.3655	71.9244	0.1888	2.85620
-1.80	2.6981	19.9009	22.5990	69.0174	0.3681	2.72383
-1.60	2.5806	18.4407	21.0213	66.3424	0.5488	2.60545
-1.40	2.4783	17.1661	19.6444	63.9036	0.7312	2.50199
-1.20	2.3908	16.0732	18.4640	61.6902	0.9155	2.41315
-1.00	2.3169	15.1491	17.4660	59.6825	1.1019	2.33787
-0.80	2.2552	14.3754	16.6306	57.8567	1.2902	2.27465
-0.60	2.2039	13.7318	15.9357	56.1867	1.4802	2.22179
-0.40	2.1613	13.1973	15.3586	54.6475	1.6717	2.17753
-0.20	2.1256	12.7518	14.8774	53.2151	1.8645	2.14009
0.0	2.0952	12.3755	14.4707	51.8672	2.0583	2.10759
0.20	2.0684	12.0491	14.1175	50.5822	2.2527	2.07844
0.40	2.0434	11.7529	13.7962	49.3392	2.4474	2.05031
0.60	2.0184	11.4659	13.4843	48.1170	2.6420	2.02099
0.80	1.9915	11.1665	13.1580	46.8941	2.8362	1.98792
1.00	1.9611	10.8329	12.7941	45.6503	3.0295	1.94845
1.20	1.9263	10.4471	12.3734	44.3692	3.2218	1.90025
1.40	1.8875	9.9994	11.8869	43.0432	3.4129	1.84197
1.60	1.8475	9.4930	11.3405	41.6769	3.6036	1.77372
1.80	1.8112	8.9468	10.7580	40.2885	3.7950	1.69739
2.00	1.7839	8.3987	10.1826	38.9129	3.9884	1.61676
2.20	1.7574	7.9568	9.7171	37.6655	4.1802	1.54323

T= 15000

LOG RHO	Z	E/RT	I/RT	S/R	LOG P	Z*
-7.00	4.1345	39.0530	43.1875	133.3271	-4.6436	4.13489
-6.80	4.0844	37.8388	41.9232	130.2211	-4.4489	4.08485
-6.60	4.0494	36.9918	41.0412	127.5018	-4.2527	4.04992
-6.40	4.0255	36.4164	40.4420	125.0675	-4.0552	4.02615



T = 15000

LOG RHO	Z	E/RT	H/RT	S/R	LOG P	Z*
-6.20	4.0075	36.0329	40.0424	122.8341	-3.8570	4.01027
-6.00	3.9998	35.7801	39.7789	120.7375	-3.6581	3.99974
-5.80	3.9915	35.6136	39.6052	118.7313	-3.4589	3.99271
-5.60	3.9864	35.5022	39.4886	116.7830	-3.2595	3.98786
-5.40	3.9824	35.4239	39.4063	114.8693	-3.0599	3.98422
-5.20	3.9798	35.3530	39.3417	112.9757	-2.8603	3.98106
-5.00	3.9748	35.3069	39.2817	111.0982	-2.6607	3.97770
-4.80	3.9699	35.2442	39.2141	109.1961	-2.4613	3.97346
-4.60	3.9630	35.1624	39.1254	107.2877	-2.2620	3.96746
-4.40	3.9529	35.0459	38.9989	105.3483	-2.0631	3.95852
-4.20	3.9380	34.8731	38.8111	103.3583	-1.8648	3.94498
-4.00	3.9158	34.6148	38.5307	101.2914	-1.6672	3.92450
-3.80	3.8833	34.2326	38.1159	99.1129	-1.4709	3.89396
-3.60	3.8366	33.6792	37.5158	96.7813	-1.2761	3.84956
-3.40	3.7718	32.9053	36.6770	94.2547	-1.0835	3.78725
-3.20	3.6856	31.8706	35.5562	91.5021	-0.8935	3.70375
-3.00	3.5770	30.5673	34.1374	88.5189	-0.7065	3.59782
-2.80	3.4482	28.9980	32.4462	85.3382	-0.5225	3.47130
-2.60	3.3042	27.2460	30.5502	82.0310	-0.3410	3.32922
-2.40	3.1524	25.3927	28.5451	78.6909	-0.1614	3.17873
-2.20	3.0004	23.5319	26.5324	75.4132	0.0171	3.02745
-2.00	2.8550	21.7456	24.6006	72.2791	0.1955	2.88209
-1.80	2.7278	20.0932	22.8140	69.3435	0.3746	2.74749
-1.60	2.6006	18.6100	21.2107	66.6356	0.5550	2.62652
-1.40	2.4956	17.3103	19.8059	64.1631	0.7371	2.52039
-1.20	2.4055	16.1925	18.5980	61.9174	0.9212	2.42897
-1.00	2.3294	15.2450	17.5744	59.8802	1.1072	2.35132
-0.80	2.2656	14.4504	16.7160	58.0280	1.2951	2.28601
-0.60	2.2125	13.7886	16.0011	56.3355	1.4848	2.23136
-0.40	2.1694	13.2388	15.4073	54.7774	1.6761	2.18559
-0.20	2.1316	12.7809	14.9124	53.3296	1.8686	2.14694
0.0	2.1003	12.3949	14.4952	51.9694	2.0622	2.11362
0.20	2.0729	12.0517	14.1346	50.6754	2.2565	2.08373
0.40	2.0476	11.7614	13.8090	49.4264	2.4512	2.05526
0.60	2.0226	11.4736	13.4952	48.2014	2.6459	2.02592
0.80	1.9961	11.1764	13.1725	46.9788	2.8401	1.99316
1.00	1.9663	10.8482	12.8145	45.7381	3.0336	1.95430
1.20	1.9322	10.4702	12.4025	44.4623	3.2260	1.90694
1.40	1.8944	10.0317	11.9261	43.1425	3.4174	1.84954
1.60	1.8561	9.5343	11.3895	41.7819	3.6083	1.78205
1.80	1.8192	8.9958	10.8150	40.3976	3.7998	1.70620
2.00	1.7915	8.4545	10.2461	39.0253	3.9932	1.62581
2.20	1.7527	8.0412	9.7939	37.7935	4.1836	1.55377

Security Classification

## DOCUMENT CONTROL DATA - R &amp; D

*(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)*

1. ORIGINATING ACTIVITY (Corporate author) Arnold Engineering Development Center ARO, Inc., Operating Contractor Arnold Air Force Station, Tennessee		2a. REPORT SECURITY CLASSIFICATION <b>UNCLASSIFIED</b>	
		2b. GROUP N/A	
3. REPORT TITLE <b>TABLES OF EQUILIBRIUM THERMODYNAMIC PROPERTIES OF AIR VOLUME I. CONSTANT TEMPERATURE</b>			
4. DESCRIPTIVE NOTES (Type of report and inclusive dates) <b>January 1966 to January 1968 - Final Report</b>			
5. AUTHOR(S) (First name, middle initial, last name)  <b>Herbert S. Brahinsky and Charles A. Neel, ARO, Inc.</b>			
6. REPORT DATE <b>April 1969</b>	7a. TOTAL NO. OF PAGES <b>152</b>	7b. NO. OF REFS <b>7</b>	
8a. CONTRACT OR GRANT NO. <b>F40600-69-C-0001</b>	8b. ORIGINATOR'S REPORT NUMBER(S)  <b>AEDC-TR-69-89 VOLUME I</b>		
b. PROJECT NO.	8c. OTHER REPORT NO(S) (Any other numbers that may be assigned this report)		
c. Program Element 63101F	N/A		
d.			
10. DISTRIBUTION STATEMENT <b>This document has been approved for public release and sale; its distribution is unlimited.</b>			
11. SUPPLEMENTARY NOTES  <b>Available in DDC</b>		12. SPONSORING MILITARY ACTIVITY <b>Arnold Engineering Development Center, Air Force Systems Command, Arnold Air Force Station, Tennessee</b>	
13. ABSTRACT  Equilibrium thermodynamic data are presented for air from a temperature of 100 to 15,000°K and from a log $\rho$ of -7.0 to 3.0, where $\rho$ is density in amagats. These data are tabulated at constant temperature with density incremented. The dependent parameters are Z, E/RT, H/RT, S/R, log P, and Z*. Several sources were used in assembling the data.			

Security Classification

14. KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
air thermodynamic properties tables temperature density						

AFPC  
Arnold AFB Texas