RM-237

TABULATED RESULTS OF CALCULATED MOLECULE-SURFACE INTERACTIONS

July 1964

Grumman

RESEARCH DEPARTMENT

GRUMMAN AIRCRAFT ENGINEERING CORPORATION

BETHPAGE, L.I., NEW YORK

Grumman Research Department Memorandum RM-237

TABULATED RESULTS OF CALCULATED MOLECULE-SURFACE INTERACTIONS

by

Alexander Bogan, Jr.
Fluid Mechanics Section

July 1964

This work was supported by the National Aeronautics and Space Administration, Physics of Fluids Program, Contract NASw-709.

Approved by: Charles E. Mack, Jr.
Charles E. Mack, Jr.
Director of Research

BLANK PAGE

ABSTRACT

1464

This memorandum presents a tabulation of the numerical results obtained from a series of computer calculations of the interactions of gas molecules with solid surfaces. The discussion of the theoretical model, methods of computation, and statistical analysis are given in Refs. 1 and 2. The tabulations include mean interaction parameters and their standard deviations for 64 physical states, each represented by 18 molecular trajectories.

Research Dept.
RM-237
July 1964

LIST OF SYMBOLS

B	trajectory code
COS(T)	cosine of final value of THET
d	length scale (= 1/2 lattice spacing)
DW	dimensionless L-J well depth $\left(= \frac{\epsilon}{E_{g_i}}\right)$
E	energy
EN	final energy of gas particle in units of initial energy $\left(= E_{g_f}/F_{g_i}\right)$
ENCONS	fractional energy discrepancy $\left(= \frac{E_{\ell_f} + E_{g_f} - E_{g_i}}{E_{g_i}}\right)$
EOUT	same as EN
GC	grid coordinates
h	incremental change in aiming point
k	lattice spring constant
M	mass
ML/MG	mass ratio $(= M_e/M_g)$
OMS	lattice frequency parameter $\left(= \Omega^2 = \frac{k_\ell d^2}{M_\ell V_i^2}\right)$
PHI	azimuthal angle
S/D	dimensionless L-J range $\left(= \frac{\sigma}{d}\right)$
SIGL	lateral momentum accommodation coefficient
SIGT	tangential momentum accommodation coefficient

SIGZ	normal momentum acccmmodation coefficient
THET	angle between velocity and normal to surface
V	velocity
ϵ	well depth in Lennard-Jones 6-12 potential
σ	range parameter in Lennard-Jones 6-12 potential

Subscripts and Suffixes

B signifies average over 18 trajectories

$$\left(\alpha B = \frac{\sum_{j=1}^{18} \alpha_j}{18}\right)$$

D standard deviation over 18 trajectories

$$\left(\alpha D = \sqrt{\frac{\sum_{j=1}^{18} (\alpha_j - \alpha B)^2}{18}}\right)$$

f	final state after interaction
g	gas
i	initial state
ℓ	lattice (or solid)
n	natural frequency of lattice

BLANK PAGE

KEY TO TABLES

The material presented in this memorandum is based upon a physical model discussed in two previous works (Refs. 1 and 2). The results presented in the table are supplementary to the work of Ref. 1 and are analyzed statistically and parametrically in Ref. 2.

After writing all the variables which specify the interaction between a gas particle and the (100) face of a 0°K face-centered cubic crystal, we are left with six nondimensional input parameters which determine the incident state, and two input parameters which specify the aiming point on the face of a unit cell. The six nondimensional input parameters are:

OMS	- the square of the natural frequency of the lattice atoms,
THET and PHI	- the polar angles specifying the direction of the initial velocity vector,
S/D and DW	- the nondimensional Lennard-Jones intermolecular force parameters, and
ML/MG	- the ratio of masses of the lattice atom to the gas particle.

The aiming point of a given trajectory is not determined in a molecular beam or other experimental flow. We therefore represent such a beam by several aiming points uniformly distributed across a unit cell face, and average the final output parameters from these trajectories in order to characterize a specific interaction.

The values for the 6 input variables have been selected according to a balanced partial factorial design. Four levels have been chosen for each OMS, THET, and DW; and two levels have been chosen for each PHI, S/D, and ML/MG.

In the tables, the column labeled GC contains the grid coordinates of the aiming point. The face of a unit cell is divided into 36 equal squares of length h and a trajectory aimed at the corner of each square. Because of the FCC symmetry, certain of these locations are equivalent, and only 18

distinct trajectories, which will have equal a priori probability of being selected, remain. The grid coordinates are the X and Y displacement of the aiming point from the central atom in units of h.

The column B contains a code which gives diagnostic information when the computer does not complete the trajectory calculation. That is:

B	Meaning
0	Normal trajectory
1	Total energy of system not conserved by more than 10%
2	Trajectory calculations takes excessive time
4	Total energy of gas particle negative
5	Infinitesimal time increment still gives unacceptable errors (i.e., trajectory stalled)

The output variable names are self-explanatory, except for the momentum accommodation coefficients and ENCONS. ENCONS is the final total energy of the system minus the initial total energy of the system as a fraction of the initial total energy. It would be 0 for a perfect calculation, and serves as a measure of our calculation error. The normal momentum accommodation coefficient SIGZ is the total change in normal momentum of the gas particles at the surface as a fraction of initial normal momentum. The tangential momentum accommodation coefficient SIGT is the initial momentum directed along the lattice surface minus the projection of the final momentum in this direction as a fraction of the initial tangential momentum. The lateral momentum accommodation coefficient SIGL is the component of the final momentum parallel to the surface but perpendicular to the direction of the initial tangential momentum in units of final momentum.

A suffix of B denotes the average of a parameter over all of the 18 trajectories which have 0 in column B, and a suffix of D denotes the standard deviation of these numbers.

REFERENCES

1. Oman, R., Bogan, A., Weiser, C., and Li, C., "Interaction of Gas Molecules with an Ideal Crystal Surface," to be published in AIAA Journal (also available in Grumman Research Department Report RE-166, Part I, August 1963).

2. Oman, R., Bogan, A., and Li, C., "Theoretical Prediction of Momentum and Energy Accommodation for Hypervelocity Gas Particles on an Ideal Crystal Surface," to be presented at the Fourth International Symposium on Rarefied Gas Dynamics, Toronto, Canada, July 1964.

BLANK PAGE

RUN NO. 1

OMS = 0.1 THET = 120. PHI = 15. S/D = 1.25 DW =0.001 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.23054	0.48015	2.78767	-0.21324	1.03428	0.89384	112.925	0.00783
-3-2	0	0.28979	0.53833	2.55443	-0.30205	0.08230	0.77721	78.096	-0.00001
-3-1	0	0.56654	0.75269	2.38367	-0.04957	0.37506	0.69184	20.233	0.00388
-3	0	0	0.53470	0.74479	1.91908	0.29944	0.31894	0.45954	-11.916	-0.00072
-3	1	0	0.51331	0.71646	2.16887	-0.08156	0.33534	0.58443	23.065	0.00050
-3	2	0	0.70940	0.84226	1.83717	-0.36095	0.22127	0.41858	43.156	0.00107
-2-3	0	0.23384	0.48358	2.98213	-0.01385	0.92749	0.99106	27.434	0.00411
-2-2	0	0.27026	0.51987	2.50444	-0.32421	0.07234	0.75222	86.170	-0.00002
-2-1	0	0.55284	0.74353	1.88475	-0.34948	0.34424	0.44237	46.607	0.00314
-2	0	0	0.78827	0.88786	1.50319	0.22365	0.04200	0.25159	-0.087	0.00237
-2	1	0	0.73068	0.85481	1.46119	0.02167	0.03991	0.23059	13.507	0.00346
-2	2	0	0.74112	0.86088	2.01257	-0.04616	0.14441	0.50629	18.565	0.00529
-1-3	0	0.35310	0.59424	2.59456	0.20479	0.66005	0.79728	-19.823	-0.00208
-1-2	0	0.34618	0.58837	2.55657	-0.22907	0.66531	0.77829	53.319	0.00083
-1-1	0	0.64678	0.80424	1.60664	-0.45516	0.29811	0.30332	51.438	0.01007
-1	0	0	0.41786	0.64643	2.83529	-0.09387	0.72390	0.91765	36.435	0.00409
-1	1	0	0.70243	0.83811	2.04966	-0.19130	0.20640	0.52483	30.554	0.01369
-1	2	0	0.76125	0.87251	1.74657	0.24193	0.10810	0.37328	-2.391	0.00460

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.5227	0.7094	2.1882	-0.0955	0.4517	0.5941	33.7400

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1918	0.1396	0.4620	0.2220	0.3146	0.2313	33.6000

RUN NO. 2

DMS = 10.0 THET = 150. PHI = 30. S/D = 1.25 DW =0.004 ML/MG = 2.

GC	S	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.21005	0.45833	2.00413	-0.01567	1.45141	0.86960	206.030	-0.00669
-3	-2	0	0.30998	0.55679	1.70278	-0.43231	0.81857	0.60862	108.149	-0.00122
-3	-1	0	0.55784	0.74689	1.70221	-0.16006	-0.14178	0.60813	45.662	0.00940
-3	0	0	0.32913	0.57370	2.09327	-0.03548	1.36236	0.94680	198.921	-0.00610
-3	1	0	0.34685	0.58896	2.02028	0.15774	1.45220	0.88359	115.098	-0.00725
-3	2	0	0.31522	0.56146	1.61559	0.47479	1.02707	0.53312	-61.633	-0.00734
-2	-3	0	0.29215	0.54052	1.85607	0.28753	0.55777	0.74138	-22.439	-0.00665
-2	-2	0	0.38022	0.61666	1.65447	-0.19233	0.05979	0.56679	52.250	0.00180
-2	-1	0	0.58878	0.76733	1.75092	-0.39491	0.14251	0.65032	72.648	0.00393
-2	0	0	0.43107	0.65658	2.14157	0.03221	1.18619	0.98863	-130.913	-0.00567
-2	1	0	0.38184	0.61795	2.14844	-0.00355	1.12780	0.99457	206.824	-0.00054
-2	2	0	0.38402	0.61972	1.79247	0.42317	1.31007	0.68630	-80.121	-0.00646
-1	-3	0	0.57369	0.75749	1.49357	0.32212	-0.20829	0.42744	1.934	0.00398
-1	-2	0	0.61943	0.78712	1.39597	0.18106	-0.43399	0.34292	15.822	0.00192
-1	-1	0	0.33065	0.57503	2.12577	-0.11786	0.90099	0.97494	97.216	-0.01012
-1	0	0	0.30455	0.55187	1.86935	-0.31811	1.35055	0.75289	148.854	0.00386
-1	1	0	0.30298	0.55044	1.94113	0.00829	1.63761	0.81505	-148.511	0.00025
-1	2	0	0.37962	0.61615	1.98193	-0.07907	0.37132	0.85038	44.119	-0.00134

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.3910	0.6191	1.8494	0.0076	0.7762	0.7356	35.5400

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1140	0.0883	0.2200	0.2557	0.6406	0.1905	110.7600

RUN NO. 3

OMS = 1.0 THET = 165. PHI = 30. S/D = 1.50 DW =0.001 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.11042	0.33233	2.00061	-0.00182	1.32833	0.96651	208.774	0.00022
-3-2	0	0.23271	0.48241	1.52654	-0.36574	0.23955	0.50860	91.713	-0.00098
-3-1	0	0.31158	0.55819	1.92576	-0.07380	0.07770	0.89421	47.180	0.00525
-3 0	0	0.15757	0.39700	2.01077	0.02025	1.32011	0.97633	-136.266	-0.01037
-3 1	0	0.17397	0.41710	2.02965	0.00549	1.16561	0.99468	-149.342	0.01202
-3 2	0	0.22722	0.47677	1.58599	0.37674	1.42841	0.56602	-76.401	0.00269
-2-3	0	0.22655	0.47610	1.55006	0.22392	-0.29457	0.53132	-3.756	0.00165
-2-2	0	0.31413	0.05605	1.61717	-0.14043	-0.65169	0.59614	48.185	0.00026
-2-1	0	0.30516	0.55241	1.79616	-0.35309	0.99091	0.76903	119.618	0.00721
-2 0	0	0.12720	0.35671	2.01159	0.07358	0.94120	0.97712	-48.316	0.00103
-2 1	0	0.17613	0.41969	1.96656	0.02104	1.57497	0.93362	-141.954	0.00064
-2 2	0	0.23673	0.48656	1.83354	0.28708	1.11206	0.80514	-65.769	0.00126
-1-3	0	0.33588	0.57963	1.90370	0.03255	-0.08401	0.87291	23.382	0.00325
-1-2	0	0.33538	0.57914	1.69025	0.34206	-0.01688	0.66673	-22.424	0.00190
-1-1	0	0.11773	0.34314	2.02175	-0.01191	1.20800	0.98695	197.522	-0.00437
-1 0	0	0.21233	0.46080	1.70113	-0.22939	1.96272	0.67724	167.305	0.00120
-1 1	0	0.16572	0.40710	1.94225	-0.10743	1.50213	0.91014	170.423	-0.00466
-1 2	0	0.24195	0.49189	1.65625	-0.08227	-0.43506	0.63389	42.489	0.00227

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.2226	0.4654	1.8205	0.0006	0.7427	0.7925	26.2400

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0723	0.0781	0.1761	0.2046	0.7781	0.1701	113.2600

RUN NO. 4

OMS = 100.0 THET = 135. PHI = 15. S/D = 1.50 DW =0.004 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.94210	0.97063	2.29661	-0.38389	1.07433	0.91684	112.796	-0.00531
-3-2	0	0.92473	0.96163	2.36682	-0.13854	1.28896	0.96648	160.862	-0.00166
-3-1	0	0.97967	0.98979	2.14094	0.36424	0.35295	0.80676	-23.529	-0.00883
-3 0	0	0.96474	0.98222	1.88217	0.35653	0.03851	0.62379	-12.673	-0.00549
-3 1	0	0.97175	0.98579	1.90658	-0.08581	-0.06301	0.64105	21.513	-0.00484
-3 2	0	0.98475	0.99238	1.73662	-0.38313	-0.06837	0.52087	41.892	-0.00590
-2-3	0	0.90165	0.94958	2.41108	0.00484	1.08775	0.99779	-160.536	-0.00670
-2-2	0	0.89961	0.94849	2.30448	-0.36104	1.08717	0.92240	114.689	-0.00495
-2-1	0	0.97048	0.98515	2.12768	-0.28447	0.26184	0.79739	43.590	-0.00522
-2 0	0	0.99083	0.99541	1.54456	0.15726	-0.27999	0.38506	5.143	-0.00516
-2 1	0	0.99054	0.99527	1.39061	0.04601	-0.35119	0.27620	12.243	-0.00570
-2 2	0	0.97819	0.98906	2.08916	0.15673	0.13589	0.77015	0.614	-0.01224
-1-3	0	0.92002	0.95918	2.30155	0.27766	0.64318	0.92033	-32.738	-0.00114
-1-2	0	0.92213	0.96028	2.27375	-0.25549	0.53352	0.90068	52.760	-0.00790
-1-1	0	0.96383	0.98176	1.74028	-0.54872	0.10714	0.52346	55.995	-0.00767
-1 0	0	0.97856	0.98925	2.20605	-0.38212	0.50860	0.85282	62.719	-0.01206
-1 1	0	0.96996	0.98489	2.38162	0.05160	0.71219	0.97695	0.772	-0.00817
-1 2	0	0.97305	0.98647	1.89104	0.59162	0.31202	0.63006	-35.570	-0.00287

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.9570	0.9782	2.0551	-0.0454	0.4100	0.7460	23.3600

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0294	0.0151	0.2961	0.3117	0.4801	0.2093	68.6800

RUN NO. 5

OMS = 0.1 THET = 135. PHI = 30. S/D = 1.50 DW =0.016 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.72693	0.85282	1.50614	-0.36328	-0.00148	0.35790	57.158	0.00743
-3	-2	0	0.62063	0.78789	2.14279	-0.37158	0.60748	0.80807	83.243	0.01141
-3	-1	0	0.53039	0.72840	2.39049	0.02879	0.81870	0.98323	17.344	0.01523
-3	0	0	0.57336	0.75723	1.93187	0.38702	0.40909	0.65893	-12.807	0.01564
-3	1	0	0.54965	0.74142	1.79623	0.26739	0.22044	0.56302	4.123	0.00853
-3	2	0	0.59646	0.77234	1.57382	-0.07861	0.00797	0.40575	36.394	0.01055
-2	-3	0	0.66587	0.81605	2.02766	-0.02095	0.20792	0.72667	32.143	0.00646
-2	-2	0	0.47144	0.68674	2.24704	-0.28720	0.78998	0.88179	92.658	0.01235
-2	-1	0	0.48335	0.69536	2.19779	-0.31805	0.73495	0.84606	89.491	0.01122
-2	0	0	0.63182	0.79503	1.90335	-0.01018	0.13568	0.63877	30.955	0.01039
-2	1	0	0.72529	0.85198	1.23882	0.22119	-0.14498	0.16887	14.719	-0.00190
-2	2	0	0.74603	0.86411	1.09375	0.15910	-0.19826	0.06629	19.365	-0.00673
-1	-3	0	0.56369	0.75093	1.96561	0.37840	0.43894	0.68279	-13.645	0.01209
-1	-2	0	0.43496	0.65957	2.30588	0.03834	0.64655	0.92340	21.280	0.01135
-1	-1	0	0.49152	0.70112	1.96159	-0.30835	0.41837	0.67995	66.360	0.01001
-1	0	0	0.68775	0.82958	1.34670	-0.35204	-0.02189	0.24515	55.975	-0.00153
-1	1	0	0.77223	0.87877	1.95383	-0.14740	0.10646	0.67446	43.131	0.00931
-1	2	0	0.73303	0.85618	2.02505	0.26409	0.25412	0.72482	3.402	0.00891

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.6113	0.7792	1.8671	-0.0285	0.3016	0.6131	35.6500

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1028	0.0664	0.3624	0.2579	0.3131	0.2562	31.9800

RUN NO. 6

OMS = 10.0 THET = 165. PHI = 15. S/D = 1.50 DW =0.064 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.10468	0.32625	1.38021	-0.02611	2.15968	0.36726	190.029	-0.02147
-3	-2	0	0.18681	0.43472	1.31165	-0.40338	1.31687	0.30103	116.494	-0.01183
-3	-1	0	0.38151	0.62268	1.00208	-0.38782	-0.86476	0.00201	53.790	0.00118
-3	0	0	0.52320	0.72389	1.47365	-0.01516	-1.48225	0.45752	16.352	0.00003
-3	1	0	0.44708	0.67458	0.86912	0.48247	-0.81626	-0.14574	-30.744	-0.00394
-3	2	0	0.24035	0.49173	1.62577	0.38164	1.27063	0.60445	-85.405	0.00310
-2	-3	0	0.15752	0.39874	1.78869	0.14297	0.19817	0.76182	-19.579	-0.00734
-2	-2	0	0.28304	0.62856	1.53904	-0.44794	0.20997	0.52067	80.464	0. 5694
-2	-1	0	0.32711	0.57455	1.79293	-0.29253	0.17971	0.76591	69.034	-0.07771
-2	0	0	0.43921	0.66287	1.98409	-0.20486	1.02830	0.95056	107.048	0.00892
-2	1	0	0.41422	0.64416	1.62832	0.49914	1.41796	0.60691	-87.229	0.01364
-2	2	1	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-1	-3	1	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-1	-2	0	0.31662	0.56710	1.16681	-0.09352	-1.12403	0.16113	24.655	-0.05613
-1	-1	0	0.33527	0.57947	1.86665	-0.31035	0.78521	0.83712	94.845	0.00774
-1	0	0	0.24261	0.51522	0.65278	-0.25340	2.70242	-0.33538	165.097	-0.02334
-1	1	0	0.27066	0.52130	1.69957	0.08136	2.44027	0.67573	-152.690	0.00115
-1	2	0	0.33687	0.58060	1.71675	0.28920	-0.16974	0.69232	-28.689	-0.00180

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.3129	0.5591	1.4673	-0.0348	0.5782	0.4514	32.0920

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1091	0.1036	0.3701	0.3092	1.2405	0.3575	92.2950

RUN NO. 7

OMS = 1.0 THET = 150. PHI = 15. S/D = 1.25 DW =0.016 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.30925	0.55612	1.88443	-0.03418	1.71168	0.76594	189.513	0.00563
-3-2	0	0.38901	0.62372	1.85515	-0.40629	1.20555	0.74059	119.196	0.00350
-3-1	0	0.55270	0.74358	1.51312	-0.36986	-0.10723	0.44437	48.746	0.00474
-3 0	0	0.56002	0.74835	2.06593	-0.07400	0.44391	0.92313	29.903	0.00402
-3 1	0	0.68745	0.82918	1.72715	0.36557	-0.06028	0.62973	-19.589	0.00934
-3 2	0	0.40280	0.63467	1.96582	0.34765	0.97803	0.83643	-73.190	0.00370
-2-3	0	0.36305	0.60256	2.08589	0.15655	0.73605	0.94041	-34.868	-0.00230
-2-2	0	0.43791	0.66177	1.74951	-0.39858	0.38517	0.64909	67.358	-0.00457
-2-1	0	0.62466	0.79049	1.67224	-0.45744	0.09813	0.58218	60.411	0.00631
-2 0	0	0.34077	0.58386	1.99677	0.00291	1.58852	0.86323	-164.434	0.00386
-2 1	0	0.44510	0.66721	2.02839	0.19714	1.46069	0.89061	-124.442	0.00907
-2 2	0	0.47792	0.69170	1.31701	0.65175	0.74222	0.27454	-63.814	-0.00069
-1-3	0	0.55801	0.74713	1.41040	0.25243	-0.30168	0.35542	-6.199	-0.00004
-1-2	0	0.61873	0.78663	1.34104	-0.17926	-0.45961	0.29535	28.800	0.00406
-1-1	0	0.50104	0.70787	1.98209	-0.36486	0.85274	0.85052	93.591	0.00173
-1 0	0	0.38850	0.62349	1.82734	-0.25428	1.70418	0.71650	159.164	0.01429
-1 1	0	0.35487	0.59576	1.83382	0.09030	1.80391	0.72211	-152.338	0.01968
-1 2	0	0.54813	0.74037	1.91989	0.31889	0.37213	0.79665	-30.449	0.00553

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.4755	0.6852	1.7875	-0.0086	0.7307	0.6820	7.0750

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1078	0.0780	0.2391	0.3181	0.7138	0.2071	98.1290

RUN NO. 8

OMS = 100.0 THET = 120. PHI = 30. S/D = 1.25 DW =0.064 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.84529	0.91940	2.47678	-0.59550	1.19933	0.73839	136.166	0.04289
-3-2	0	0.96064	0.98013	2.91230	-0.01834	0.66927	0.95615	33.664	0.05370
-3-1	0	0.99034	0.99526	1.39533	0.57579	0.09084	0.19767	-6.178	0.04410
-3 0	0	1.00491	1.00258	1.73395	0.24695	-0.03813	0.36697	14.641	0.05428
-3 1	0	0.89599	0.94659	2.24126	-0.63576	0.55784	0.62063	88.939	-0.05586
-3 2	0	1.00291	1.00146	2.46834	-0.50284	0.47150	0.73417	77.691	0.05329
-2-3	0	0.84546	0.91953	2.77200	-0.41966	0.91418	0.88600	109.958	0.03124
-2-2	0	0.93930	0.96918	2.05908	-0.61425	0.36903	0.52954	78.344	0.03464
-2-1	1	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-2 0	0	1.01213	1.00608	1.97134	-0.05034	-0.01377	0.48567	33.282	0.02623
-2 1	0	1.00870	1.00449	1.39210	0.39824	-0.03994	0.19605	6.146	0.01877
-2 2	0	0.89983	0.94863	2.93092	0.10695	0.74304	0.96546	4.330	0.03401
-1-3	0	0.89842	0.94785	2.72099	-0.04894	0.44529	0.86049	35.816	0.01602
-1-2	0	0.95684	0.97837	1.61945	-0.47258	0.07530	0.30972	60.546	0.01600
-1-1	0	0.99632	0.99829	1.84511	-0.50105	0.13048	0.42255	63.639	0.00834
-1 0	0	0.87958	0.93786	2.92856	-0.22094	1.13109	0.96428	147.195	0.01951
-1 1	0	0.95007	0.97472	2.34412	0.03464	0.60305	0.67206	-31.557	0.01528
-1 2	0	0.88990	0.94335	2.48095	0.52924	0.59690	0.74048	-26.590	0.01940

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.9425	0.9704	2.2532	-0.0595	0.4592	0.6266	46.0680

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0569	0.0295	0.5259	0.4241	0.3945	0.2629	52.3010

RUN NO. 9

OMS = 0.1 THET = 165. PHI = 30. S/D = 1.25 DW =0.004 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.34728	0.58936	1.99230	-0.00030	1.64738	0.95848	209.897	0.00968
-3	-2	0	0.45315	0.67317	1.58995	-0.51950	0.26583	0.56986	99.909	0.00762
-3	-1	0	0.43396	0.65877	1.97405	0.13964	0.32771	0.94086	-8.748	0.00740
-3	0	0	0.06022	0.24602	1.95539	0.01150	0.64442	0.92283	22.883	0.00241
-3	1	0	0.26387	0.51370	1.81399	-0.31474	0.84230	0.78625	112.611	0.00944
-3	2	0	0.45263	0.67284	1.44461	0.52633	2.17205	0.42946	-89.957	0.00950
-2	-3	0	0.44690	0.66853	1.69114	0.30515	-0.51906	0.66759	-7.816	0.00786
-2	-2	0	0.53973	0.73473	1.48376	-0.19659	-1.39130	0.46727	47.622	0.00661
-2	-1	0	0.51156	0.71526	1.69538	-0.51406	1.49566	0.67168	134.012	0.00561
-2	0	0	0.19510	0.44192	1.42860	0.26298	-0.17321	0.41400	-10.894	0.00836
-2	1	0	0.33486	0.57867	1.98444	0.02672	1.68420	0.95090	-141.420	0.00971
-2	2	0	0.49827	0.70590	1.75312	0.48297	1.13819	0.72746	-64.235	0.01486
-1	-3	0	0.47317	0.68788	2.00686	0.00321	0.38171	0.97255	28.851	0.00869
-1	-2	0	0.52676	0.72580	1.61348	0.52513	0.00736	0.59257	-33.930	0.00965
-1	-1	0	0.33227	0.57650	1.99853	-0.00731	1.58536	0.96451	207.239	0.00411
-1	0	0	0.44752	0.66904	1.52302	-0.30196	2.90060	0.50520	178.457	0.00807
-1	1	0	0.41723	0.64594	1.91595	-0.19039	1.90091	0.88475	170.768	0.01037
-1	2	0	0.44217	0.66497	1.63591	-0.15789	-0.93335	0.61424	47.512	0.00750

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.3987	0.6205	1.7500	0.0044	0.7764	0.7244	50.1530

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1210	0.1172	0.2038	0.3155	1.1066	0.1969	100.7930

RUN NO. 10

OMS = 10.0 THET = 135. PHI = 15. S/D = 1.25 DW =0.001 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.42646	0.65304	2.06284	-0.05419	1.60440	0.75154	187.773	0.00770
-3-2	0	0.52646	0.72558	2.17055	-0.40112	1.09876	0.82771	114.875	0.00423
-3-1	0	0.72954	0.85414	1.62793	-0.47591	0.15241	0.44401	53.451	0.00216
-3 0	0	0.83[illegible]9	0.91334	1.92096	0.25541	0.08876	0.65122	-6.623	0.00797
-3 1	0	0.89971	0.94853	1.37257	0.03597	-0.29303	0.26343	12.747	0.00048
-3 2	0	0.53711	0.73288	2.22304	0.36767	0.97920	0.86482	-72.709	0.00519
-2-3	0	0.48197	0.69426	2.36501	0.18085	0.97997	0.96521	-70.523	0.00219
-2-2	0	0.56818	0.75378	2.04165	-0.45681	0.67987	0.73656	78.640	0.00097
-2-1	0	0.78449	0.88571	1.82301	-0.39713	0.15019	0.58196	48.460	0.00553
-2 0	0	0.35700	0.59749	2.40688	0.04102	0.93665	0.99482	-27.481	0.00603
-2 1	0	0.46146	0.67931	2.07562	-0.01056	1.62354	0.76058	193.628	0.00345
-2 2	0	0.64969	0.80605	1.60120	0.69642	0.69260	0.42511	-57.666	0.00760
-1-3	0	0.67489	0.82152	1.89648	0.29529	0.20441	0.63391	-12.694	0.00543
-1-2	0	0.72216	0.84980	1.75400	-0.23545	0.03934	0.53316	34.117	0.00579
-1-1	0	0.68334	0.82664	2.15724	-0.46296	0.84878	0.81829	91.994	0.00378
-1 0	5	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-1 1	5	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-1 2	0	0.69081	0.83115	2.25545	0.26657	0.61183	0.88774	-29.163	0.00763

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.6051	0.7715	1.9551	-0.0470	0.8444	0.6961	49.3360

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1532	0.0990	0.2864	0.3327	0.7683	0.1985	88.1030

RUN NO. 11

OMS = 1.0 THET = 120. PHI = 15. S/D = 1.50 DW =0.004 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.88334	0.93988	1.81695	0.02492	0.00984	0.40848	13.335	0.02000
-3-2	0	0.88010	0.93818	1.40089	0.11779	-0.05248	0.20044	7.636	0.01246
-3-1	0	0.89610	0.94665	1.41181	-0.02422	-0.06926	0.20590	16.498	0.01219
-3 0	0	0.79350	0.89079	2.37703	-0.01326	0.25419	0.68850	16.176	0.01503
-3 1	0	0.59661	0.77243	2.81667	-0.13739	0.66257	0.90834	40.182	0.01931
-3 2	0	0.67379	0.82086	2.49667	-0.25478	0.44465	0.74833	42.901	0.02138
-2-3	0	0.87481	0.93537	1.92779	-0.25161	0.08851	0.46389	32.679	0.01617
-2-2	0	0.82414	0.90782	2.38072	-0.05630	0.24441	0.69036	19.917	0.01467
-2-1	0	0.91911	0.95870	1.85872	0.04581	0.00162	0.42936	11.967	0.01277
-2 0	0	0.76862	0.87671	2.14387	0.22848	0.21260	0.57193	-3.524	0.01475
-2 1	0	0.63770	0.79857	2.61345	0.00091	0.45512	0.80673	14.890	0.01633
-2 2	0	0.70092	0.83721	2.23126	-0.28768	0.31444	0.61563	40.852	0.01463
-1-3	0	0.83505	0.91381	2.21809	-0.26698	0.22195	0.60905	36.615	0.01289
-1-2	0	0.63336	0.79586	2.77779	-0.19739	0.64622	0.88889	47.792	0.01307
-1-1	0	0.75269	0.86759	2.53185	-0.07574	0.36192	0.76593	22.804	0.01070
-1 0	0	0.82624	0.90899	1.83608	0.27431	0.10368	0.41804	-4.403	0.01183
-1 1	0	0.74497	0.86312	2.08375	0.10358	0.17095	0.54187	6.791	0.01394
-1 2	0	0.78613	0.88665	1.85142	-0.18289	0.09801	0.42571	28.178	0.01232

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.7792	0.8810	2.1541	-0.0529	0.2314	0.5770	21.7380

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0957	0.0550	0.4067	0.1645	0.2121	0.2033	15.3370

RUN NO. 12

OMS = 100.0 THET = 150. PHI = 30. S/D = 1.50 DW =0.001 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.87812	0.93709	2.04619	-0.02886	1.79097	0.90603	205.826	-0.00364
-3-2	0	0.90301	0.95027	1.91371	-0.57694	1.13737	0.79130	126.789	-0.00662
-3-1	0	0.96864	0.98420	1.70229	-0.51777	-0.17004	0.60820	71.510	-0.00526
-3 0	0	0.98173	0.99082	2.01345	-0.27420	0.22460	0.87767	65.270	-0.00901
-3 1	0	0.98783	0.99389	2.02771	0.33636	0.39273	0.89002	-17.927	-0.00613
-3 2	0	0.92934	0.96403	1.95081	0.53701	1.20790	0.82342	-70.956	-0.00175
-2-3	0	0.89851	0.94790	2.06205	0.35485	0.77663	0.91977	-42.529	-0.01011
-2-2	0	0.92232	0.96038	1.99507	-0.24346	0.15592	0.86175	59.979	-0.00284
-2-1	0	0.97035	0.98509	1.44008	-0.57328	-0.41523	0.38112	69.013	-0.00682
-2 0	0	0.96384	0.98176	2.06652	-0.11479	1.71660	0.92363	192.236	-0.01671
-2 1	0	0.96643	0.98309	1.95008	0.11077	2.09506	0.82279	-138.563	-0.00631
-2 2	0	0.93622	0.96761	1.66642	0.78936	1.06983	0.57713	-62.533	-0.00607
-1-3	0	0.95582	0.97768	1.59831	0.50510	-0.33273	0.51815	-7.162	-0.00897
-1-2	0	0.96638	0.98305	1.55478	0.07867	-0.71710	0.48046	24.765	-0.00512
-1-1	0	0.97801	0.98894	2.32462	-0.24277	0.22803	0.88735	62.168	-0.00887
-1 0	0	0.92184	0.96013	1.78098	-0.54110	1.91068	0.67635	160.081	-0.00147
-1 1	0	0.93690	0.96795	1.94554	-0.28639	1.95207	0.81886	178.969	-0.00635
-1 2	0	0.97138	0.98558	2.11290	0.14364	0.55987	0.96380	-3.134	-0.00485

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.9464	0.9727	1.8806	-0.0302	0.7546	0.7626	48.5450

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0310	0.0160	0.1978	0.4041	0.8716	0.1713	95.2130

RUN NO. 13

OMS = 0.1 THET = 150. PHI = 15. S/D = 1.50 DW =0.064 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-3	-2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-3	-1	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-3	0	4-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-3	1	4-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-3	2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	-3	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	-2	4-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	-1	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	0	1-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	1	0	0.25598	0.50893	1.62952	0.22185	0.28439	0.54518	-16.800 -0.05436
-2	2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	-3	4-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	-2	4-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	-1	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	0	0	0.24136	0.49265	1.63847	-0.29377	0.43520	0.55293	61.133 0.00666
-1	1	0	0.15471	0.39551	1.78048	0.25003	0.72579	0.67592	-46.360 0.00552
-1	2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.2173	0.4557	1.6828	0.0593	0.4821	0.5913	-0.6760

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0446	0.0500	0.0691	0.2499	0.1836	0.0598	45.3410

RUN NO. 14

OMS = 10.0 THET = 120. PHI = 30. S/D = 1.50 DW =0.016 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.56939	0.75464	2.39431	-0.27511	0.46232	0.69716	60.575	0.05019
-3-2	0	0.67714	0.82289	2.23307	-0.01533	0.25210	0.61654	31.356	0.03757
-3-1	0	0.76202	0.87305	1.39818	0.24298	0.05300	0.19909	13.497	0.03223
-3 0	0	0.74703	0.86736	1.04392	0.13355	0.01206	0.02196	21.128	0.03241
-3 1	0	0.82050	0.90595	1.40458	-0.05885	-0.02194	0.20229	33.804	0.03560
-3 2	0	0.74837	0.86509	2.09877	-0.26837	0.22500	0.54938	51.794	0.03380
-2-3	0	0.51949	0.72076	2.25517	-0.23971	0.41415	0.62759	55.289	0.02039
-2-2	0	0.66040	0.81280	1.75418	-0.26182	0.18541	0.37709	50.362	0.02772
-2-1	0	0.85674	0.92562	1.56219	-0.05210	-0.02393	0.28109	33.363	0.02595
-2 0	0	0.87053	0.93304	1.54129	0.08372	-0.03264	0.27064	24.652	0.02622
-2 1	0	0.85456	0.92451	1.50340	0.19442	-0.00828	0.25170	17.448	0.02632
-2 2	0	0.65837	0.81146	2.23594	0.00598	0.26354	0.61797	29.463	0.02533
-1-3	0	0.58851	0.76724	1.96595	-0.04322	0.22612	0.48298	33.690	0.01215
-1-2	0	0.69978	0.83665	1.27451	-0.26164	0.09214	0.13726	48.406	0.00792
-1-1	0	0.81824	0.90459	1.84812	-0.31390	0.12629	0.42406	52.531	0.01597
-1 0	0	0.70640	0.84053	2.37810	-0.09818	0.30601	0.68905	39.278	0.01960
-1 1	0	0.76839	0.87666	1.99903	0.23114	0.16489	0.49951	12.277	0.02037
-1 2	0	0.62782	0.79250	1.88662	0.24478	0.23038	0.44331	9.834	0.01320

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)	PHIB
0.7196	0.8464	1.8209	-0.0417	0.1625	0.4104	34.3750

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1009	0.0603	0.3950	0.1918	0.1456	0.1975	15.5480

RUN NO. 15

OMS = 1.0 THET = 135. PHI = 30. S/D = 1.25 DW =0.064 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-3	-2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-3	-1	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-3	0	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-3	1	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-3	2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	-3	0 0.20768	0.45621	1.78756	0.04033	0.46888	0.55689	23.914	0.00005
-2	-2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	-1	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	0	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	1	0 0.36025	0.60056	1.24072	0.00775	0.16333	0.17021	29.250	-0.00308
-2	2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	-3	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	-2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	-1	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	0	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	1	0 0.24880	0.49930	2.09453	-0.17122	0.62716	0.77395	63.005	0.01486
-1	2	0 0.17621	0.41985	1.95505	0.29232	0.85607	0.67533	-40.804	0.00332

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.2482	0.4939	1.7694	0.0422	0.5288	0.5441	18.8410

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0696	0.0676	0.3240	0.1653	0.2519	0.2291	37.5570

RUN NO. 16

OMS = 100.0 THET = 165. PHI = 15. S/D = 1.25 DW =0.016 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.78096	0.88372	1.98227	-0.00099	2.07845	0.94880	194.796	-0.00489
-3-2	0	0.82436	0.90799	1.69623	-0.67162	1.07069	0.67251	136.561	-0.00608
-3-1	0	0.92707	0.96286	1.72668	-0.46138	-0.96025	0.70192	57.283	-0.01139
-3 0	0	0.90683	0.95229	1.93986	-0.05913	2.52566	0.90783	186.484	-0.01026
-3 1	0	0.93039	0.96464	1.84087	0.50641	0.05442	0.81222	-49.207	-0.00954
-3 2	0	0.81878	0.90495	1.61695	0.66465	2.13322	0.59593	-98.811	-0.02230
-2-3	0	0.82788	0.90994	1.88083	0.18686	-0.69943	0.85081	-8.017	-0.00147
-2-2	0	0.86000	0.92737	1.60117	-0.46340	-1.30292	0.58068	52.864	-0.00646
-2-1	0	0.92506	0.96187	1.67946	-0.72486	1.12053	0.65631	107.464	-0.01884
-2 0	0	0.91572	0.95592	2.03402	0.03504	0.88805	0.99879	-35.414	-0.00240
-2 1	0	0.91676	0.95751	1.73771	0.36326	3.18210	0.71276	-132.251	-0.01828
-2 2	0	0.85815	0.92637	1.54224	0.75428	0.10389	0.52376	-57.908	-0.01075
-1-3	0	0.91369	0.95601	1.42955	0.23248	-2.23728	0.41491	-0.508	-0.01286
-1-2	0	0.93244	0.96566	1.71689	0.23438	-1.53455	0.69246	-4.661	-0.00889
-1-1	0	0.87607	0.93600	1.98728	-0.02063	2.08241	0.95364	189.165	-0.01143
-1 0	0	0.81940	0.90525	1.46081	-0.21413	4.02044	0.44511	179.682	-0.01275
-1 1	0	0.86382	0.92949	1.90217	-0.18635	2.60614	0.87143	170.854	-0.01266
-1 2	0	0.91892	0.95861	1.87388	-0.05794	-0.97305	0.84411	21.473	-0.01433

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.8785	0.9370	1.7582	0.0060	0.7865	0.7324	48.8800

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0468	0.0251	0.1777	0.4106	1.7652	0.1716	102.9520

RUN NO. 17

OMS = 0.1 THET = 120. PHI = 15. S/D = 1.50 DW =0.064 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3-2	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3-1	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3 0	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3 1	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3 2	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2-3	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2-2	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2-1	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2 0	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2 1	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2 2	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1-3	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1-2	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1-1	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1 0	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1 1	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1 2	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
-0.	-0.	-0.	-0.	-0.	-0.	-0.

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
-0.	-0.	-0.	-0.	-0.	-0.	-0.

RUN NO. 18

OMS = 10.0 THET = 150. PHI = 30. S/D = 1.50 DW =0.016 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.47937	0.69241	2.12470	-0.14156	1.13310	0.97402	145.180	0.01011
-3	-2	0	0.45160	0.67214	1.92650	-0.37721	1.27039	0.80237	139.719	0.00487
-3	-1	0	0.58349	0.76388	2.01412	-0.21683	0.41214	0.87825	66.415	0.00797
-3	0	0	0.72563	0.85212	1.51105	0.14710	-0.49833	0.44258	18.891	0.00377
-3	1	0	0.75271	0.86765	1.39315	0.24230	-0.55779	0.34047	12.720	-0.00038
-3	2	0	0.67632	0.82243	1.91197	0.19361	0.06865	0.78979	7.424	0.00376
-2	-3	0	0.43023	0.65599	2.06110	0.25691	0.94514	0.91894	-53.906	0.00378
-2	-2	0	0.44530	0.66754	2.04538	-0.19257	0.58750	0.90532	73.037	-0.00289
-2	-1	0	0.60337	0.77699	1.47618	-0.47646	-0.04570	0.41239	72.342	0.00256
-2	0	0	0.77788	0.88215	1.77312	-0.28216	-0.18166	0.66954	55.527	0.00439
-2	1	0	0.69581	0.83418	2.10035	0.18319	0.65176	0.95294	-16.455	0.00600
-2	2	0	0.58583	0.76562	1.73494	0.57454	0.73259	0.63648	-46.900	0.00729
-1	-3	0	0.55285	0.74363	1.70192	0.42955	0.19031	0.60788	-16.696	0.00699
-1	-2	0	0.57519	0.75859	1.67730	0.06347	-0.22132	0.58656	24.066	0.00565
-1	-1	0	0.68529	0.82806	1.52828	-0.29822	-0.34527	0.45750	53.910	0.00110
-1	0	0	0.65895	0.81196	1.86929	-0.50380	0.64734	0.75283	100.710	0.00084
-1	1	0	0.55282	0.74356	2.07605	-0.13173	1.47025	0.93188	180.741	0.01719
-1	2	0	0.57788	0.76023	2.02750	0.34586	0.95219	0.88984	-56.046	0.00667

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.6005	0.7721	1.8307	-0.0102	0.4006	0.7194	42.2600

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1032	0.0673	0.2323	0.3133	0.6087	0.2011	67.5690

RUN NO. 19

OMS = 1.0 THET = 165. PHI = 30. S/D = 1.25 DW =0.064 MI./MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.19227	0.43859	1.76659	0.00007	2.13799	0.74047	-149.986	0.01272
-3	-2	0	0.26629	0.53004	1.14413	-0.51551	0.77992	0.13921	113.695	0.00698
-3	-1	0	0.43212	0.66656	0.83423	-0.37350	-1.12870	-0.16012	64.135	-0.01811
-3	0	0	0.39506	0.62857	2.00036	-0.10213	0.51541	0.96627	69.155	0.01433
-3	1	0	0.44714	0.66883	1.66642	0.51085	0.89976	0.64371	-57.093	0.01763
-3	2	1	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-2	-3	0	0.26122	0.51123	1.59113	0.32001	-0.04826	0.57099	-19.708	0.00609
-2	-2	0	0.30016	0.54905	1.82343	-0.01962	-0.26874	0.79538	33.421	-0.02555
-2	-1	0	0.47281	0.69036	0.98879	-0.59397	-0.35118	-0.01082	89.512	-0.00135
-2	0	0	0.32413	0.56943	1.94942	-0.14493	1.67260	0.91707	170.222	0.01656
-2	1	0	0.34819	0.59059	1.66989	0.11855	2.67275	0.64707	-134.688	0.01998
-2	2	2	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-1	-3	0	0.42802	0.66436	0.64249	0.32443	-1.23920	-0.34533	0.760	-0.01734
-1	-2	0	0.40874	0.63953	1.55804	0.20891	-0.91731	0.53902	7.169	-0.06256
-1	-1	0	0.28828	0.53695	2.01300	-0.10879	1.07534	0.97849	130.162	0.01267
-1	0	0	0.18454	0.43031	1.93274	-0.08402	0.37202	0.90095	57.367	-0.09505
-1	1	0	0.28047	0.53021	1.21778	-0.25887	2.73379	0.21036	180.020	-0.00587
-1	2	0	0.33112	0.57576	1.87755	0.06784	-0.14505	0.84765	17.107	0.01297

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.3350	0.5762	1.5422	-0.0406	0.5475	0.5237	35.7030

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0860	0.0772	0.4262	0.2937	1.2256	0.4117	92.4670

RUN NO. 20

OMS = 100.0 THET = 135. PHI = 15. S/D = 1.25 DW =0.016 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.87608	0.93603	2.11713	-0.37843	1.61003	0.78993	153.739	-0.00127
-3-2	0	0.86704	0.93115	2.17671	-0.19201	1.67806	0.83206	173.175	-0.00652
-3-1	0	0.97024	0.98503	2.24911	0.28711	0.48856	0.88326	-23.447	-0.00814
-3 0	0	0.95592	0.97771	1.72557	0.39880	-0.04428	0.51305	-13.372	-0.00359
-3 1	0	0.96058	0.98011	1.75937	-0.09296	-0.16183	0.53696	21.456	-0.00274
-3 2	0	0.98288	0.99141	1.85386	-0.38325	0.02256	0.60377	44.009	-0.00558
-2-3	0	0.84613	0.91985	2.34036	0.10947	1.38489	0.94778	-143.089	-0.00774
-2-2	0	0.86455	0.92981	2.19664	-0.46819	1.22954	0.84615	124.120	-0.00296
-2-1	0	0.95262	0.97605	1.95589	-0.50373	0.27395	0.67592	59.455	-0.00188
-2 0	0	0.99026	0.99512	1.93595	0.09519	-0.04638	0.66181	7.669	-0.00395
-2 1	0	0.99274	0.99637	1.60893	-0.03747	-0.27066	0.43058	17.388	-0.00313
-2 2	0	0.94896	0.97415	2.14411	0.40779	0.43153	0.80901	-30.412	-0.00534
-1-3	0	0.89422	0.94563	2.27952	0.34540	0.70705	0.90476	-44.047	0.00007
-1-2	0	0.90684	0.95228	2.24964	-0.29146	0.52286	0.88363	55.823	-0.00028
-1-1	0	0.95653	0.97806	1.42812	-0.66835	0.08116	0.30273	60.810	-0.00661
-1 0	0	0.93461	0.96676	2.19391	-0.48314	1.26484	0.84422	126.187	-0.00549
-1 1	0	0.91353	0.95580	2.29015	0.11047	1.53101	0.91227	-148.605	-0.00304
-1 2	0	0.93990	0.96957	1.65641	0.77833	0.48733	0.46415	-50.026	-0.00653

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.9307	0.9644	2.0089	-0.0536	0.6216	0.7134	21.7130

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0444	0.0231	0.2689	0.3865	0.6431	0.1901	87.6320

RUN NO. 21

OMS = 0.1 THET = 135. PHI = 30. S/D = 1.25 DW =0.004 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.18444	0.42947	2.32773	-0.14604	0.96764	0.93885	11.097	-0.00325
-3	-2	0	0.20280	0.45040	2.07955	-0.29066	1.00463	0.76336	120.647	-0.00409
-3	-1	0	0.35390	0.59492	1.72241	-0.20482	0.33734	0.51082	53.611	0.01474
-3	0	0	0.59284	0.76996	1.84572	-0.02997	0.12830	0.59802	32.783	0.00759
-3	1	5	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-3	2	5	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-2	-3	0	0.20580	0.45370	2.12222	0.24314	0.81557	0.79353	-31.794	0.00305
-2	-2	0	0.23516	0.48493	2.11259	-0.18798	0.67055	0.78672	68.901	0.00235
-2	-1	0	0.51360	0.71667	1.42281	-0.38988	0.20542	0.29897	64.758	0.00156
-2	0	0	0.34744	0.58945	2.26914	-0.13262	0.68373	0.89741	60.668	0.00414
-2	1	0	0.15978	0.39974	2.38248	-0.08410	0.99853	0.97756	119.293	0.00334
-2	2	0	0.38687	0.62201	2.07708	0.35630	0.73370	0.76161	-32.143	0.00570
-1	-3	0	0.42207	0.64970	1.60792	0.36887	0.35508	0.42987	-8.969	0.00176
-1	-2	0	0.41973	0.64791	1.68307	0.05807	0.20206	0.48300	24.124	0.00572
-1	-1	0	0.59237	0.76972	1.53024	-0.28329	0.07403	0.37494	53.397	0.00396
-1	0	0	0.35388	0.59489	2.14365	-0.33707	0.86709	0.80868	104.421	0.00400
-1	1	0	0.08198	0.28638	2.18579	0.00287	1.21969	0.83848	-148.947	0.00115
-1	2	0	0.20030	0.44755	2.38393	0.00328	0.86980	0.97856	27.957	0.01065

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.3283	0.5567	1.9935	-0.0659	0.6333	0.7025	38.7377

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1504	0.1357	0.3038	0.2251	0.3524	0.2148	67.6007

RUN NO. 22

OMS = 10.0 THET = 165. PHI = 15. S/D = 1.25 DW =0.001 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.21154	0.46000	1.99671	-0.00020	1.47932	0.96274	194.910	-0.01073
-3	-2	0	0.35670	0.59726	1.37873	-0.54185	0.52134	0.36582	92.122	0.00148
-3	-1	2	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-3	0	0	0.51540	0.71791	2.02980	0.06159	1.15652	0.99471	-108.334	-0.01454
-3	1	0	0.75470	0.86874	1.94375	0.33150	1.51302	0.91159	-96.828	-0.01664
-3	2	0	0.35136	0.59277	1.60591	0.46723	1.43523	0.58526	-88.555	-0.00126
-2	-3	0	0.34546	0.58777	1.49564	0.15286	-0.90424	0.47875	-2.232	-0.00184
-2	-2	0	0.42932	0.65530	1.79217	-0.26979	-0.25246	0.76518	54.770	0.00247
-2	-1	0	0.29231	0.54066	1.91634	0.21166	0.47443	0.88512	-42.272	-0.00836
-2	0	0	0.68576	0.82811	2.02577	0.02196	1.42387	0.99082	-153.679	-0.01726
-2	1	0	0.78277	0.88474	1.79114	0.15410	0.12295	0.76418	-149.334	-0.00135
-2	2	0	0.35953	0.59961	1.92585	0.26828	0.99268	0.89431	-74.595	-0.00039
-1	-3	0	0.24786	0.49789	1.89698	-0.07299	1.91766	0.86642	177.917	0.00977
-1	-2	0	0.42392	0.65113	1.79140	0.38673	0.37047	0.76443	-52.154	-0.00175
-1	-1	0	0.43401	0.65881	2.01844	-0.04526	1.42161	0.98374	172.472	-0.01396
-1	0	0	0.27309	0.52259	1.99455	-0.05494	1.51862	0.96066	172.740	-0.00524
-1	1	0	0.35490	0.59577	2.00299	0.04720	1.54017	0.96873	-146.345	0.00029
-1	2	0	0.43716	0.66124	1.81914	-0.17610	-0.40589	0.79122	40.825	-0.00438

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.4268	0.6424	1.8485	0.0554	1.0191	0.8196	-0.5042

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1638	0.1192	0.1874	0.2430	0.9406	0.1810	120.9627

RUN NO. 23

OMS = 1.0 THET = 150. PHI = 15. S/D = 1.50 DW =0.004 ML/MG = 2

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.11314	0.33644	2.07810	-0.06410	1.20311	0.93366	162.739	0.00300
-3-2	0	0.17773	0.42165	1.99574	-0.20669	0.89562	0.86233	90.829	0.00274
-3-1	0	0.38790	0.62287	1.63930	-0.19662	0.04031	0.55365	37.282	0.00073
-3 0	0	0.48435	0.69601	1.86193	-0.03204	0.07629	0.74646	18.969	0.00119
-3 1	0	0.50756	0.71244	1.71919	0.22409	-0.02066	0.62284	-8.707	0.00077
-3 2	0	0.23493	0.48474	1.97505	0.17717	0.62077	0.84442	-28.057	-0.00354
-2-3	0	0.15938	0.39927	1.96275	0.10822	0.61635	0.83376	-14.431	0.00476
-2-2	0	0.24437	0.49441	1.60614	-0.28012	0.37234	0.52493	56.752	0.00443
-2-1	0	0.45375	0.67362	1.38621	-0.39523	0.25897	0.59427	61.849	0.00277
-2 0	0	0.28174	0.53086	2.12615	-0.11091	0.92861	0.97529	87.162	0.00310
-2 1	0	0.30230	0.54983	2.04879	0.22799	0.93936	0.90828	-67.425	0.0014
-2 2	0	0.29244	0.54080	1.62116	0.41482	0.62199	0.53794	-50.505	0.00154
-1-3	0	0.37071	0.60898	1.35558	0.16420	-0.11081	0.30794	-1.470	-0.00459
-1-2	0	0.42486	0.65190	1.50461	-0.09198	-0.15781	0.43700	24.028	-0.00079
-1-1	0	0.32913	0.57371	1.92460	-0.28134	0.60535	0.80073	69.955	-0.00034
-1 0	0	0.19594	0.44279	2.00622	-0.16398	1.28277	0.87141	145.768	-0.00338
-1 1	0	0.16826	0.41023	2.09055	0.07265	1.22663	0.94446	-132.334	-0.00029
-1 2	0	0.33311	0.57717	1.90127	0.21157	0.41551	0.76052	-20.902	-0.00041

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.3034	0.5404	1.8391	-0.0124	0.5453	0.7267	23.9723

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1146	0.1068	0.2198	0.2160	0.4555	0.1904	72.1194

RUN NO. 24

OMS = 100.0 THET = 120. PHI = 30. S/D = 1.50 DW =0.001 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.97902	0.98946	2.04263	-0.41399	0.15025	0.52132	59.360	-0.00602
-3-2	0	0.99688	0.99844	2.06365	-0.38242	0.12923	0.53182	56.890	-0.00214
-3-1	0	0.98547	0.99271	2.50080	-0.26619	0.30748	0.75040	53.936	-0.00561
-3 0	0	0.99801	0.99900	1.89179	0.30365	0.02883	0.44589	10.148	-0.00023
-3 1	0	0.97640	0.98817	2.56935	0.25705	0.35795	0.78468	5.189	-0.00159
-3 2	0	0.95430	0.97688	2.71069	-0.13925	0.43819	0.85535	45.971	0.00059
-2-3	0	0.98896	0.99447	1.85421	-0.19751	-0.01294	0.42710	42.689	-0.00307
-2-2	0	0.99353	0.99677	2.25602	-0.42655	0.25191	0.62801	63.361	-0.00299
-2-1	0	0.95937	0.97947	2.64433	-0.48565	0.66372	0.82216	90.577	0.00192
-2 0	0	0.98931	0.99464	2.45021	-0.01295	0.20924	0.72510	31.084	-0.00470
-2 1	0	0.98450	0.99223	2.02181	0.40477	0.13308	0.51090	1.669	-0.00070
-2 2	0	0.98051	0.99021	2.29091	0.10927	0.13584	0.64545	21.693	-0.00500
-1-3	0	0.99770	0.99887	1.58005	0.03109	-0.10319	0.29003	28.136	-0.00099
-1-2	0	0.98008	0.98999	2.65714	-0.11546	0.37402	0.82857	42.023	-0.00659
-1-1	0	0.94129	0.97020	2.67567	-0.43471	0.65060	0.83784	85.160	-0.00562
-1 0	0	0.97948	0.98969	2.19164	-0.41648	0.21830	0.59582	61.600	-0.00640
-1 1	0	0.99802	0.99903	1.82925	0.10440	-0.04274	0.41463	23.405	-0.00073
-1 2	0	0.99539	0.99769	1.49061	0.18761	-0.09562	0.24530	18.816	-0.00166

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.9821	0.9910	2.2067	-0.1052	0.2119	0.6034	41.2059

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0156	0.0079	0.3733	0.2811	0.2224	0.1866	25.0959

RUN NO. 25

OMS = 0.1 THET = 165. PHI = 30. S/D = 1.50 DW =0.016 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.01384	0.12637	1.45134	-0.01321	1.39975	0.43596	202.653	0.00415
-3	-2	0	0.09955	0.35066	1.44572	-0.26876	0.53890	0.43054	96.057	0.01114
-3	-1	0	0.28911	0.53873	1.34570	-0.26165	-0.67200	0.33392	61.163	-0.00236
-3	0	0	0.34291	0.58592	1.86777	-0.02133	-0.22623	0.83821	33.845	0.00851
-3	1	0	0.29479	0.54319	1.76875	0.33711	0.47963	0.74256	-38.223	0.00870
-3	2	0	0.11353	0.33904	1.13480	0.33504	1.07258	0.13020	-63.212	-0.00620
-2	-3	0	0.04536	0.28969	0.96983	0.17783	0.12062	-0.02915	-7.994	-0.02606
-2	-2	0	0.14701	0.39682	1.32460	-0.10903	-0.33698	0.31354	47.490	-0.00119
-2	-1	0	0.27810	0.52762	1.49498	-0.38675	0.01676	0.47811	86.656	-0.00177
-2	0	0	0.22853	0.47846	1.94822	-0.18724	1.11619	0.91591	129.127	0.00439
-2	1	0	0.20284	0.45078	1.87694	0.14085	1.74035	0.84706	-113.684	0.00879
-2	2	0	0.14432	0.38166	1.37994	0.34711	1.19679	0.36700	-68.376	-0.00723
-1	-3	0	0.28869	0.53770	1.27850	0.15932	-0.90290	0.26901	12.075	-0.00625
-1	-2	0	0.26115	0.51152	1.35653	0.21630	-0.65366	0.34438	3.189	-0.00191
-1	-1	0	0.13713	0.37040	1.96185	-0.08665	0.59162	0.92908	69.344	-0.00090
-1	0	0	0.12359	0.35325	1.32634	-0.26565	1.77335	0.31522	157.004	0.01126
-1	1	0	0.11064	0.33316	1.74682	-0.11809	1.76050	0.72138	179.037	0.01265
-1	2	0	0.16410	0.40560	1.00082	0.04313	0.02821	0.77353	20.271	0.01199

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.1825	0.4178	1.5266	0.0021	0.5024	0.5087	44.8013

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0917	0.1121	0.2878	0.2238	0.8584	0.2780	85.2093

RUN NO. 26

OMS = 10.0 THET = 135. PHI = 15. S/D = 1.50 DW =0.064 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3-2	0	0.41871	0.64725	1.72579	0.02283	0.21549	0.51321	12.643	0.02678
-3-1	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3	0 2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3	1 2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3	2 2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2-3	0	0.22773	0.47740	2.16725-0.02268		0.62054	0.82537	19.831	-0.03190
-2-2	0	0.08092	0.28530	2.15587-0.07347		0.79538	0.81732	41.923	0.00792
-2-1	0	0.16844	0.41368	1.28338	0.31697	0.65342	0.20038	-37.298	0.01184
-2	0 2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2	1 2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2	2 2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1-3	0	0.10392	0.32681	1.22160-0.16218		0.61378	0.15669	45.559	0.00330
-1-2	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1-1	0	0.06438	0.27306	-1.34607-0.02652		0.64363	-1.65892	20.871	0.01248
-1	0 2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1	1 2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1	2 2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.1773	0.4039	1.2013	0.0093	0.5904	0.1423	17.2548

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1213	0.1303	1.1983	0.1489	0.1783	0.8473	27.1620

RUN NO. 27

OMS = 1.0 THFT = 120. PHI = 15. S/D = 1.25 DW =0.016 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.75396	0.86833	1.71631	-0.13069	0.07615	0.35816	24.277	0.03379
-3-2	0	0.72767	0.85304	1.82449	0.04492	0.10410	0.41225	11.687	0.02893
-3-1	0	0.83006	0.91318	0.73147	0.07090	-0.05127	-0.13427	10.547	0.01693
-3 0	0	0.47077	0.68619	2.35045	0.10822	0.42932	0.67522	2.649	0.02074
-3 1	0	0.22701	0.47646	2.73862	-0.12270	0.76791	0.86931	46.403	0.02755
-3 2	0	0.40059	0.63293	2.00033	-0.32183	0.48775	0.50016	50.959	0.02457
-2-3	0	0.61797	0.78611	2.12511	-0.38776	0.39774	0.56255	31.629	0.01786
-2-2	0	0.35057	0.59209	2.66939	-0.17119	0.67956	0.83470	46.669	0.00887
-2-1	0	0.63711	0.79820	2.26012	0.03064	0.28517	0.63006	12.167	0.01590
-2 0	0	0.53422	0.73093	1.69836	0.32828	0.30595	0.34918	-13.641	0.02280
-2 1	0	0.37789	0.61476	2.28537	0.02601	0.45708	0.64268	11.834	0.01094
-2 2	0	0.50740	0.71252	1.53058	-0.31195	0.29376	0.26529	42.023	0.01465
-1-3	0	0.51414	0.71709	2.42648	-0.25565	0.50051	0.71324	45.583	0.02622
-1-2	0	0.19138	0.43752	2.68991	-0.22150	0.91365	0.84495	86.345	0.01536
-1-1	0	0.36474	0.60395	2.55578	-0.12188	0.58501	0.77789	33.734	0.01272
-1 0	0	0.66455	0.81521	1.60903	0.21476	0.13838	0.30451	-1.057	0.01235
-1 1	0	0.60294	0.77653	1.41529	0.11368	0.13283	0.20764	6.392	0.01459
-1 2	0	0.68048	0.82506	1.21404	-0.16071	0.07140	0.10702	26.301	0.01098

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.5252	0.7133	1.9912	-0.0705	0.3653	0.4956	27.4722

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1755	0.1289	0.5473	0.1923	0.2570	0.2736	24.1498

RUN NO. 28

OMS = 100.0 THET = 150. PHI = 30. S/D = 1.25 DW =0.064 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.68740	0.82911	1.95870	-0.14200	1.87942	0.83026	192.103	-0.00412
-3-2	0	0.67220	0.82006	1.58130	-0.59657	1.76313	0.50342	152.603	-0.04366
-3-1	0	0.80465	0.89713	1.97871	-0.36830	0.39806	0.84759	80.745	-0.02796
-3 0	0	0.90118	0.94990	1.08707	0.15648	-0.86766	0.07541	20.488	-0.02176
-3 1	0	0.92462	0.96162	1.45772	0.20226	-0.71855	0.39639	16.755	-0.00669
-3 2	0	0.87355	0.93465	1.97275	0.37046	0.31777	0.84242	-17.361	-0.00273
-2-3	0	0.67902	0.82405	1.99021	0.38612	1.34959	0.85755	-84.356	-0.01517
-2-2	0	0.72641	0.85234	2.07100	-0.27639	0.68394	0.92752	90.241	-0.01290
-2-1	0	0.79222	0.90099	1.12202	-0.69092	-0.13532	0.10567	80.59	-0.04065
-2 0	0	0.91648	0.95734	2.02884	-0.16845	0.19871	0.89100	52.804	-0.01213
-2 1	0	0.81899	0.90498	2.04445	0.16419	1.69842	0.90453	-124.818	-0.01535
-2 2	0	0.73683	0.86591	0.78192	0.86154	1.15635	-0.18886	-65.185	-0.03814
-1-3	0	0.78570	0.88655	1.53049	0.64491	0.09744	0.45942	-25.017	-0.01185
-1-2	0	0.82359	0.90754	1.66129	0.08453	-0.47824	0.57269	23.476	-0.01075
-1-1	0	0.87744	0.93716	1.24041	-0.41594	-0.63197	0.20820	57.010	-0.02107
-1 0	0	0.84509	0.91930	1.61466	-0.76428	1.29314	0.53231	130.856	-0.00501
-1 1	0	0.75484	0.86883	1.77111	-0.08615	2.28182	0.66780	202.344	-0.01610
-1 2	0	0.80897	0.89954	1.94329	0.46884	1.44236	0.81691	-85.256	-0.01423

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.8016	0.8954	1.6576	-0.0094	0.6516	0.5695	38.7792

ENC	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0779	0.0435	0.3781	0.4485	0.9630	0.3275	92.7295

RUN NO. 29

OMS = 0.1 THET = 150. PHI = 15. S/D = 1.25 DW =0.001 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	5-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3-2	5-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3-1	0	0.36993	0.60822	2.13809	0.08487	0.88410	0.98561	-40.676	0.00575
-3	0 0	0.07631	0.27649	1.75167	0.00933	0.58138	0.65097	12.447	0.00701
-3	1 0	0.27477	0.52434	1.89518	-0.31466	1.20478	0.77525	123.026	0.00687
-3	2 0	0.46380	0.68111	1.59255	0.57969	1.14817	0.51316	-82.283	0.00511
-2-3	0	0.44995	0.67084	1.98112	0.17357	0.38386	0.84968	-14.398	0.00407
-2-2	0	0.55980	0.74820	1.58034	-0.41776	0.01235	0.50259	55.233	0.00181
-2-1	0	0.44062	0.66380	2.08607	-0.07062	1.42799	0.94056	176.738	0.00946
-2	0 0	0.14136	0.37600	1.70623	0.10311	0.44198	0.61162	-5.281	0.00841
-2	1 0	0.13942	0.37385	1.64939	-0.08356	0.40614	0.56238	30.715	0.00671
-2	2 5-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1-3	0	0.71300	0.84441	1.43642	0.23484	-0.49125	0.37795	-2.482	0.00728
-1-2	0	0.68444	0.82731	1.65471	0.16735	-0.32119	0.56700	0.784	0.01533
-1-1	0	0.30015	0.54786	1.96961	0.00490	1.59493	0.83971	-164.056	0.00944
-1	0 0	0.31945	0.56520	2.13764	-0.08073	1.13659	0.98522	138.434	0.01102
-1	1 0	0.26296	0.51291	2.01124	0.15189	1.39031	0.87576	-127.108	0.00890
-1	2 0	0.49188	0.70135	1.82510	-0.30178	0.22631	0.71456	52.958	0.00655

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.3792	0.5948	1.8277	0.0160	0.6664	0.7168	10.2699

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1837	0.1596	0.2149	0.2408	0.6256	0.1861	90.4229

RUN NO. 30

OMS = 10.0 THET = 120. PHI = 30. S/D = 1.25 DW =0.004 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.84749	0.92061	1.62302	-0.38261	0.09166	0.31151	55.937	0.00519
-3-2	0	0.79854	0.89361	2.40463	-0.48476	0.52437	0.70231	79.645	0.00436
-3-1	0	0.69525	0.83382	2.69802	-0.28844	0.61549	0.84901	70.899	0.00929
-3 0	0	0.85871	0.92667	2.09001	0.35993	0.20494	0.54501	2.402	0.00781
-3 1	0	0.71244	0.84407	2.48663	0.30173	0.44892	0.74330	-2.303	0.00569
-3 2	0	0.70353	0.83877	2.55095	-0.1166	0.40351	0.77548	42.722	0.00649
-2-3	0	0.90643	0.95209	1.55917	-0.1684	0.03770	0.27958	40.621	0.00720
-2-2	0	0.73548	0.85761	2.52182	-0.44555	0.61509	0.76091	83.198	0.00844
-2-1	0	0.65050	0.80654	2.58505	-0.44928	0.76887	0.87253	95.987	0.02000
-2 0	0	0.80279	0.89599	2.28883	-0.11832	0.22076	0.64441	39.944	0.00624
-2 1	0	0.83863	0.91577	1.67840	0.38027	0.10742	0.33920	3.805	0.00574
-2 2	0	0.82554	0.90860	1.95131	0.10424	0.08502	0.47565	22.506	0.00474
-1-3	0	0.92363	0.96106	1.83780	0.18039	0.01409	0.41890	18.070	0.00413
-1-2	0	0.67022	0.81867	2.84450	-0.03333	0.63658	0.92225	36.045	0.00968
-1-1	0	0.64228	0.80143	2.55979	-0.41171	0.66911	0.77989	85.161	0.00887
-1 0	0	0.82843	0.91020	1.73901	-0.43112	0.15985	0.36951	60.648	0.00019
-1 1	0	0.86008	0.92741	2.40353	-0.17170	0.26333	0.70177	45.063	-0.00041
-1 2	0	0.94027	0.96969	1.47633	0.06643	-0.08474	0.23817	25.955	0.00083

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.7911	0.8879	2.1833	-0.1172	0.3170	0.5916	44.7948

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0923	0.0523	0.4277	0.2860	0.2638	0.2139	29.2305

RUN NO. 31

OMS = 1.0 THET = 135. PHI = 30. S/D = 1.50 DW =0.001 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.54971	0.74143	2.32311	-0.22463	0.80981	0.93558	89.091	0.00821
-3	-2	0	0.48855	0.69896	2.11755	-0.42268	1.09806	0.79023	129.316	0.00997
-3	-1	0	0.55701	0.74634	2.18475	-0.21495	0.51040	0.83775	61.836	0.00543
-3	0	0	0.75939	0.87143	1.66894	0.19939	-0.04855	0.47301	14.948	0.00451
-3	1	5	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-3	2	0	0.80532	0.89740	1.71599	0.03705	-0.09318	0.50628	27.256	0.00675
-2	-3	0	0.48775	0.69839	2.31075	0.23532	0.63647	0.92685	-33.832	0.00762
-2	-2	0	0.46918	0.68497	2.30811	-0.21265	0.78768	0.92497	84.778	0.00577
-2	-1	0	0.64501	0.80313	1.73014	-0.46999	0.28982	0.51629	73.104	0.01746
-2	0	0	0.80516	0.89731	1.85973	-0.28831	0.07862	0.60792	53.870	0.00402
-2	1	0	0.63234	0.79520	2.29348	-0.14124	0.59158	0.91463	56.062	0.00551
-2	2	0	0.70597	0.84022	1.90647	0.46142	0.36280	0.64097	-15.682	0.00180
-1	-3	0	0.59815	0.77340	1.88533	0.45476	0.43979	0.62602	-18.942	0.00786
-1	-2	0	0.58537	0.76511	2.06456	0.06383	0.29350	0.75276	22.719	0.00983
-1	-1	0	0.70288	0.83838	1.58153	-0.28543	-0.00255	0.41120	51.931	0.00627
-1	0	0	0.72982	0.85430	1.98414	-0.48244	0.46405	0.69589	81.849	0.00687
-1	1	0	0.46398	0.68116	2.33988	-0.15331	1.21902	0.94744	165.291	0.00843
-1	2	0	0.55078	0.74214	2.35315	0.18069	0.83333	0.95682	-26.885	0.00594

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.6198	0.7841	2.0369	-0.0743	0.4983	0.7332	48.0419

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1118	0.0708	0.2580	0.2912	0.3819	0.1824	53.4105

RUN NO. 32

OMS = 100.0 THET = 165. PHI = 15. S/D = 1.50 DW =0.004 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.89703	0.94712	1.99608	-0.00333	1.99724	0.96214	194.260	0.00054
-3	-2	0	0.91624	0.95720	1.81545	-0.58949	1.06561	0.78767	106.650	-0.00457
-3	-1	0	0.96916	0.98447	1.61390	-0.62322	-0.89272	0.59298	66.831	-0.00579
-3	0	0	0.98157	0.99075	2.02574	-0.08929	0.61407	0.99079	56.793	-0.00877
-3	1	0	0.97162	0.98572	1.69440	0.69032	0.07013	0.67074	-55.780	-0.01080
-3	2	0	0.91764	0.95794	1.78245	0.58026	1.92054	0.75579	-97.323	-0.00560
-2	-3	0	0.91393	0.95600	1.92900	0.16905	-0.49358	0.89734	-8.620	-0.00530
-2	-2	0	0.93700	0.96799	1.73605	-0.42512	-1.05396	0.71098	53.649	-0.00037
-2	-1	0	0.97309	0.98648	1.69558	-0.70688	0.28700	0.67188	90.369	-0.00576
-2	0	0	0.97573	0.98780	1.94120	-0.17783	2.43338	0.90913	169.389	-0.00708
-2	1	0	0.97704	0.98846	1.80383	0.49437	2.46424	0.77644	-112.473	-0.00652
-2	2	0	0.93664	0.96783	1.68545	0.69384	0.18477	0.66210	-58.085	-0.00327
-1	-3	0	0.96148	0.98056	1.46143	0.22668	-2.27639	0.44570	0.034	-0.00534
-1	-2	0	0.96702	0.98339	1.72469	0.06371	-1.70203	0.70000	9.795	-0.01306
-1	-1	0	0.94772	0.97356	2.01161	-0.04725	1.77631	0.97714	181.767	-0.00916
-1	0	0	0.92188	0.96016	1.67742	-0.20781	3.68783	0.65434	178.368	-0.00302
-1	1	0	0.94115	0.97019	1.92747	-0.20958	2.45414	0.89586	165.889	-0.00847
-1	2	0	0.97057	0.98518	1.89813	0.10135	-0.85230	0.86753	3.063	-0.00522

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.9487	0.9739	1.8011	-0.0033	0.6491	0.7738	52.4764

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0259	0.0133	0.1503	0.4202	1.6237	0.1451	96.6474

RUN NO. 33

OMS = 0.1 THET = 135. PHI = 15. S/D = 1.25 DW =0.064 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.48999	0.70020	1.96935	0.50918	1.00953	0.68544	105.759	0.02123
-3-2	0	0.26868	0.51851	1.95122	0.06475	1.53430	0.67261	-155.275	0.01655
-3-1	0	0.50029	0.70764	1.62497	0.62060	0.81581	0.44192	-63.148	0.01502
-3 0	0	0.43305	0.65887	1.29353	0.44666	0.34564	0.20756	-28.989	0.01431
-3 1	0	0.45039	0.67127	1.75503	-0.09701	0.20963	0.53389	24.848	0.00548
-3 2	2	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-2-3	0	0.28650	0.53528	2.19504	-0.23953	1.22153	0.84502	138.184	0.01597
-2-2	0	0.18288	0.42992	1.01153	-0.22012	1.52209	0.00815	164.194	-0.00724
-2-1	0	0.43860	0.66227	2.29251	-0.02614	0.62172	0.91394	20.581	0.01506
-2 0	1	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-2 1	1	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-2 2	0	0.64193	0.80140	1.79408	-0.04779	0.06529	0.56150	19.136	0.00381
-1-3	0	0.26568	0.51547	2.19022	0.27833	1.00243	0.84161	-75.353	0.01426
-1-2	0	0.24973	0.49981	2.15475	-0.28641	0.95308	0.81654	98.392	0.01317
-1-1	0	0.19152	0.43793	2.28527	0.17884	1.04316	0.90882	-84.683	0.05289
-1 0	0	0.69013	0.83103	1.74451	-0.42824	0.20645	0.52645	52.350	0.00949
-1 1	0	0.50900	0.71345	2.34181	0.05795	0.69208	0.94881	0.095	0.01087
-1 2	0	0.48946	0.69992	1.72187	0.50677	0.54256	0.51044	-42.451	-0.04105

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.4059	0.6255	1.8884	0.0200	0.7857	0.6282	11.5760

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1520	0.1223	0.3706	0.3261	0.4442	0.2621	86.6593

RUN NO. 34

OMS = 10.0 THET = 165. PHI = 30. S/D = 1.25 DW =0.016 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.37233	0.61020	1.97313	-0.00058	1.80441	0.93997	209.840	0.00633
-3	-2	0	0.45775	0.67661	1.63493	-0.51651	0.47142	0.61329	105.165	0.00480
-3	-1	0	0.62119	0.78825	1.76466	-0.26474	-0.77879	0.73861	59.901	0.00190
-3	0	0	0.48592	0.69710	1.98121	-0.01212	1.85728	0.94777	206.873	0.00091
-3	1	0	0.54787	0.74020	1.98254	0.23311	0.98372	0.94906	-58.964	0.00273
-3	2	0	0.46076	0.67893	1.43805	0.53123	2.19621	0.42313	-90.234	0.00106
-2	-3	0	0.45160	0.67202	1.75977	0.30461	-0.31350	0.73388	-11.861	0.00797
-2	-2	0	0.52802	0.72667	1.49153	-0.20486	-1.34069	0.47479	48.683	0.00661
-2	-1	0	0.62746	0.79214	1.61307	-0.61159	0.29427	0.59218	103.371	-0.00075
-2	0	0	0.47469	0.68898	2.03326	0.03805	1.06960	0.99806	-84.873	0.01355
-2	1	0	0.51683	0.71896	1.77906	0.08516	2.79896	0.75252	-139.635	0.00463
-2	2	0	0.53357	0.73048	1.59622	0.59587	1.15348	0.57590	-63.814	0.00464
-1	-3	0	0.63465	0.79666	1.69118	0.25359	-1.07147	0.66763	4.686	0.00469
-1	-2	0	0.63135	0.79466	1.58653	0.40297	-0.99322	0.56654	-7.994	0.00323
-1	-1	0	0.44147	0.66446	2.01099	-0.03279	1.53742	0.97654	196.734	0.00605
-1	0	0	0.45621	0.67554	1.38383	-0.34093	3.03396	0.37075	177.072	-0.00177
-1	1	0	0.48897	0.69938	1.82549	-0.27996	2.21611	0.79736	168.395	0.00573
-1	2	0	0.51856	0.72012	1.84594	-0.04544	-0.59422	0.81712	36.284	0.00186

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.5138	0.7151	1.7440	0.0075	0.7959	0.7186	47.7572

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0730	0.0507	0.1979	0.3308	1.3579	0.1912	109.5016

RUN NO. 35

OMS = 1.0 THET = 150. PHI = 30. S/D = 1.50 DW =0.064 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.31981	0.56592	1.89281	-0.31760	0.67125	0.77319	92.637	-0.00202
-3-2	0	0.17738	0.42698	0.92443	-0.36907	1.42846	-0.06544	150.134	-0.01948
-3-1	0	0.26786	0.51762	2.14490	-0.06333	0.95872	0.99151	101.947	0.00224
-3 0	0	0.43528	0 69452	1.26589	0.26907	-0.16494	0.23027	5.205	0.03117
-3 1	0	0.23413	0.57378	1.39265	0.03221	0.09955	0.34006	25.907	-0.01759
-3 2	0	0.52321	0.77715	1.43080	0.07131	-0.36798	0.37308	24.048	0.04781
-2-3	0	0.16473	0.40605	1.96058	0.22507	1.01001	0.83189	-61.274	0.00212
-2-2	0	0.09075	0.30455	1.77814	-0.21524	1.00337	0.67389	120.507	-0.00620
-2-1	0	0.19886	0.44793	2.13251	0.01710	0.88113	0.98078	14.160	-0.07675
-2 0	0	0.50144	0.70854	2.00735	-0.28110	1.39928	0.87239	155.381	0.07056
-2 1	0	0.58301	0.76366	1.69134	0.16300	-0.17860	0.59872	14.539	0.00326
-2 2	0	0.43110	0.65096	1.00062	0.54331	0.25757	0.00054	-25.657	0.00076
-1-3	1	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-1-2	0	0.19589	0.44617	1.19924	0.06600	0.13943	0.17255	21.272	-0.00913
-1-1	2	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-1 0	0	0.49803	0.70844	1.06315	-0.51431	0.03494	0.05469	76.826	-0.01660
-1 1	0	0.42173	0.65007	2.13145	-0.12158	0.98223	0.97987	115.826	0.01878
-1 2	0	0.34365	0.58691	1.64655	0.47950	1.14305	0.55993	-68.484	0.00818

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.3367	0.5775	1.6039	-0.0010	0.5811	0.5230	47.6860

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1467	0.1367	0.4134	0.2884	0.5773	0.3580	68.1720

RUN NO. 36

OMS = 100.0 THET = 120. PHI = 15. S/D = 1.50 DW =0.016 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	1.06650	1.03273	2.33010	0.39392	0.08467	0.51505	-11.424	0.07160
-3-2	0	1.04900	1.02424	2.33315	0.25463	0.16896	0.66658	-4.483	0.07011
-3-1	0	1.04962	1.02452	2.30703	-0.14058	0.11943	0.65351	25.445	0.06970
-3 0	0	1.06487	1.03196	1.72488	-0.37570	-0.02225	0.36244	37.995	0.07021
-3 1	0	1.05487	1.02707	2.72209	-0.29291	0.50068	0.86105	49.112	0.06714
-3 2	0	1.04989	1.02464	2.82873	-0.08324	0.53070	0.91437	26.575	0.06645
-2-3	0	1.03838	1.01908	2.27066	0.03424	0.09237	0.63533	12.506	0.04186
-2-2	0	1.03442	1.01710	1.43305	0.23058	-0.11517	0.21652	1.572	0.03803
-2-1	0	1.03515	1.01744	1.41363	-0.01353	-0.14930	0.20682	15.779	0.03822
-2 0	0	1.04226	1.02093	1.99453	-0.11401	-0.01424	0.49725	22.396	0.04349
-2 1	0	1.00737	1.00368	2.89055	-0.15494	0.66687	0.94527	43.238	0.04198
-2 2	0	0.99554	0.99777	2.85455	-0.27242	0.70491	0.92728	61.830	0.03776
-1-3	0	1.01533	1.00766	1.97718	-0.34903	0.06827	0.48859	38.391	0.02122
-1-2	0	1.02169	1.01079	2.17916	-0.03919	0.04582	0.57458	17.715	0.02218
-1-1	0	1.02044	1.01017	1.84794	0.00354	-0.05640	0.42397	14.778	0.02073
-1 0	0	1.01944	1.00973	2.09353	0.27473	0.07691	0.54676	-3.966	0.02332
-1 1	0	0.99674	0.99838	2.79452	0.09856	0.50394	0.89726	2.079	0.02527
-1 2	0	0.98617	0.99308	2.69258	-0.27666	0.47942	0.84629	46.535	0.02143

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
1.0304	1.0151	2.2421	-0.0457	0.2048	0.6211	22.0040

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0233	0.0115	0.4632	0.2220	0.2702	0.2316	20.3284

RUN NO. 37

OMS = 0.1 THET = 120. PHI = 30. S/D = 1.50 DW =0.004 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.56780	0.75356	1.90636	-0.27373	0.29177	0.45318	54.051	0.00995
-3-2	0	0.78068	0.88358	1.70824	-0.16025	0.06400	0.35412	41.183	0.01357
-3-1	0	0.78650	0.88685	1.91336	-0.00322	0.08898	0.45668	30.234	0.01147
-3 0	0	0.84295	0.91822	1.51022	0.14469	-0.01125	0.25511	20.618	0.01020
-3 1	0	0.69542	0.83392	2.00083	0.08575	0.17222	0.50041	23.179	0.01105
-3 2	0	0.50813	0.71290	2.29979	-0.13048	0.39299	0.64989	43.940	0.00731
-2-3	0	0.61856	0.78652	1.74815	-0.16857	0.18062	0.37408	43.364	0.01273
-2-2	0	0.77157	0.87841	1.71568	-0.29769	0.11749	0.35784	51.281	0.01232
-2-1	0	0.64560	0.80353	2.26571	-0.21385	0.32553	0.63286	50.108	0.01525
-2 0	0	0.71714	0.84685	2.12219	0.03433	0.19157	0.56110	27.192	0.01247
-2 1	0	0.68507	0.82771	1.76736	0.24766	0.16505	0.38368	11.094	0.01191
-2 2	0	0.55947	0.74800	2.00385	0.06948	0.25734	0.50192	23.834	0.00933
-1-3	0	0.73909	0.85973	1.48571	0.00221	0.03705	0.24285	29.848	0.00491
-1-2	0	0.72937	0.85403	1.98595	-0.17530	0.16623	0.49298	43.646	0.00812
-1-1	0	0.53352	0.73043	2.26403	-0.28881	0.43789	0.63201	60.680	0.00729
-1 0	0	0.56355	0.75071	2.20795	-0.16200	0.33496	0.60398	45.711	0.00714
-1 1	0	0.73275	0.85601	1.77504	0.12134	0.09964	0.38752	21.155	0.00930
-1 2	0	0.70561	0.84007	1.43668	0.17074	0.07428	0.21834	17.977	0.00522

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.6768	0.8206	1.8954	-0.0554	0.1881	0.4477	35.5052

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0954	0.0588	0.2650	0.1675	0.1237	0.1325	13.9904

RUN NO. 38

OMS = 10.0 THET = 150. PHI = 15. S/D = 1.50 DW =0.001 ML/MG = 2.

GC	E	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.27075	0.52034	2.04574	-0.03165	1.43672	0.90564	186.754	-0.00090
-3-2	0	0.35792	0.59837	1.92332	-0.35579	0.90430	0.79961	97.341	-0.00012
-3-1	0	0.59215	0.76952	1.60891	-0.36069	-0.09064	0.52733	48.482	-0.00197
-3 0	0	0.50164	0.70827	2.10605	-0.12786	0.68369	0.95787	53.954	-0.00127
-3 1	0	0.63314	0.79570	1.91555	0.35670	0.34315	0.79289	-32.363	0.00066
-3 2	0	0.37545	0.61275	1.93149	0.35151	0.82622	0.80669	-61.115	-0.00993
-2-3	0	0.33307	0.57713	2.01505	0.14170	0.52842	0.87906	-16.004	-0.00348
-2-2	0	0.41823	0.64672	1.68820	-0.34907	0.23110	0.59600	57.238	-0.00321
-2-1	0	0.60415	0.77727	1.86202	-0.44493	0.47278	0.74653	74.354	-0.00053
-2 0	0	0.45597	0.67526	2.11087	0.00682	1.36828	0.96204	-162.879	-0.00147
-2 1	0	0.43800	0.66182	2.04453	0.16107	1.46312	0.90459	-130.177	-0.00479
-2 2	0	0.44918	0.67023	1.63673	0.53436	0.67121	0.55143	-57.900	-0.00100
-1-3	0	0.55126	0.74918	1.41932	0.19946	-0.33784	0.36314	-1.604	0.00053
-1-2	0	0.61452	0.78392	1.58475	-0.06643	-0.36535	0.50641	20.640	-0.00017
-1-1	0	0.42056	0.64851	2.08545	-0.21942	0.94410	0.94003	97.740	-0.00672
-1 0	0	0.35949	0.59960	1.91758	-0.19072	1.61985	0.79465	163.394	0.00006
-1 1	0	0.36665	0.60553	2.05029	0.05642	1.49029	0.90958	-152.038	-0.00042
-1 2	0	0.50491	0.71057	1.99728	0.10189	0.31330	0.86367	-1.529	-0.00155

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.4587	0.6728	1.8857	-0.0131	0.6957	0.7671	10.2383

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1050	0.0778	0.2025	0.2703	0.6025	0.1753	96.6654

RUN NO. 39

OMS = 1.0 THET = 165. PHI = 15. S/D = 1.25 DW =0.004 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.09357	0.30592	1.97991	-0.00053	1.38106	0.94652	194.693	0.00160
-3-2	0	0.23986	0.48999	1.33038	-0.44768	0.53146	0.31912	89.844	0.00322
-3-1	0	0.10041	0.31696	1.98897	0.08787	1.11821	0.95527	-94.200	-0.00387
-3 0	0	0.48726	0.69807	1.99803	-0.02657	1.70843	0.96403	186.754	-0.00293
-3 1	0	0.33917	0.58238	1.99256	0.12420	1.42288	0.95874	-116.386	-0.00943
-3 2	0	0.22486	0.47427	1.50924	0.41063	1.16286	0.49189	-80.861	0.00013
-2-3	0	0.22821	0.47787	1.42965	0.13040	-0.60079	0.41501	-2.471	-0.00429
-2-2	0	0.30593	0.55314	1.65436	-0.26564	-0.29933	0.63206	53.305	0.00422
-2-1	0	0.18548	0.43069	1.58420	-0.13753	1.68315	0.85407	157.123	-0.00050
-2 0	0	0.31476	0.78407	1.99677	-0.07019	1.77221	0.96281	175.649	-0.00853
-2 1	0	0.07639	0.27642	2.03129	-0.02369	1.00031	0.99615	105.193	0.00237
-2 2	0	0.24593	0.49606	1.78515	0.31877	0.79957	0.75841	-65.758	0.00999
-1-3	0	0.18689	0.43232	2.02502	-0.03902	0.82102	0.99009	55.112	0.00120
-1-2	0	0.27328	0.52279	1.56878	0.37994	0.16772	0.54940	-45.448	0.00243
-1-1	0	0.06676	0.25841	1.99795	-0.02277	1.24991	0.96395	175.606	-0.00761
-1 0	0	0.16308	0.40390	1.86380	-0.09368	1.77906	0.83437	170.080	0.00603
-1 1	0	0.09764	0.31293	1.96222	-0.00048	1.43989	0.92943	194.754	0.00050
-1 2	0	0.24112	0.49110	1.48851	-0.23588	-0.40233	0.47186	48.020	-0.00202

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.2317	0.4615	1.8048	0.0049	0.9297	0.7774	66.7226

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1386	0.1370	0.2331	0.2130	0.7418	0.2251	107.6409

RUN NO. 40

OMS = 100.0 THET = 135. PHI = 30. S/D = 1.25 DW =0.001 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.75606	0.86952	2.20091	-0.08713	1.63762	0.84917	19^.063	-0.00907
-3	-2	0	0.81836	0.90464	1.93604	-0.65594	1.24328	0.66188	134.695	-0.00452
-3	-1	0	0.95688	0.97820	1.74434	-0.43676	-0.00104	0.52633	61.676	-0.00680
-3	0	0	0.92948	0.96410	2.32265	-0.24593	0.66537	0.93525	76.104	-0.00639
-3	1	0	0.98416	0.99205	1.58016	-0.00416	-0.27946	0.41023	30.264	-0.00586
-3	2	0	0.90105	0.94923	2.17612	0.44935	0.61029	0.83164	-28.481	-0.01018
-2	-3	0	0.80031	0.89460	2.25511	0.40872	1.07608	0.88749	-67.498	-0.00787
-2	-2	0	0.82524	0.90843	2.30144	-0.28653	0.70247	0.92026	83.712	-0.00596
-2	-1	0	0.94157	0.97035	1.46014	-0.61620	0.03858	0.32537	72.190	-0.00488
-2	0	0	0.86540	0.93027	1.96575	0.32060	1.84741	0.68289	-121.851	-0.01294
-2	1	0	0.89464	0.94586	2.04703	0.17949	1.86257	0.74026	-133.602	-0.00970
-2	2	0	0.89786	0.94756	1.79809	0.78132	1.05393	0.56434	-62.795	-0.00714
-1	-3	0	0.90680	0.95227	1.73484	0.59351	0.21297	0.51961	-16.843	-0.00894
-1	-2	0	0.91122	0.95458	1.93562	0.08189	-0.00565	0.66159	23.431	-0.00462
-1	-1	0	0.97254	0.98618	1.53567	-0.33515	-0.20057	0.37878	51.544	-0.00258
-1	0	0	0.83185	0.91207	1.77595	-0.63624	1.59429	0.54868	153.444	-0.00835
-1	1	0	0.85088	0.92243	2.06328	0.14535	1.83519	0.75185	-136.173	-0.00798
-1	2	0	0.87420	0.93499	2.37152	-0.20456	0.85773	0.96981	93.813	-0.01352

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.8844	0.9399	1.9558	-0.0305	0.8195	0.6759	22.9274

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0605	0.0323	0.2749	0.4208	0.7230	0.1944	96.4432

RUN NO. 41

OMS = 0.1 THET = 150. PHI = 30. S/D = 1.25 DW =0.016 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.06316	0.25211	1.86622	-0.04987	1.31190	0.75017	192.268	0.00102
-3	-2	0	0.14684	0.38352	1.56786	-0.33208	0.94335	0.49178	115.126	0.00253
-3	-1	0	0.33597	0.57992	1.17227	-0.23625	-0.04471	0.14919	54.336	0.00043
-3	0	0	0.36849	0.60712	1.91647	-0.17408	0.34925	0.79369	58.147	-0.00126
-3	1	0	0.31979	0.56554	2.01708	0.21559	0.68298	0.88082	-23.675	0.00062
-3	2	0	0.17925	0.42357	1.43850	0.37705	0.78812	0.37975	-44.306	-0.00063
-2	-3	0	0.12500	0.35389	1.58958	0.26024	0.68735	0.51060	-29.009	-0.00948
-2	-2	0	0.21020	0.45874	1.44622	-0.17804	0.23355	0.38643	54.920	0.00142
-2	-1	0	0.41431	0.64389	1.54870	-0.33167	0.08268	0.47519	65.872	-0.00374
-2	0	0	0.12101	0.34809	2.05281	-0.02080	1.28003	0.91176	201.547	0.00115
-2	1	0	0.07117	0.26721	1.83922	-0.03987	1.35582	0.72679	197.364	0.00292
-2	2	0	0.21777	0.46707	1.53861	0.40067	1.19268	0.46645	-73.523	-0.00354
-1	-3	0	0.37793	0.61580	1.01018	0.28015	-0.09635	0.00881	2.931	-0.01769
-1	-2	0	0.42569	0.65770	0.99241	0.12979	-0.28329	-0.00658	18.565	-0.00887
-1	-1	0	0.30272	0.55028	1.90459	-0.20044	0.44647	0.78340	65.913	0.00087
-1	0	0	0.16084	0.40171	1.61054	-0.29600	1.33065	0.52874	149.195	-0.00441
-1	1	0	0.08597	0.29362	1.57418	-0.02309	1.50609	0.49725	204.785	-0.00734
-1	2	0	0.16763	0.40950	2.06104	0.06083	0.70166	0.91889	7.815	0.00474

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.2274	0.4600	1.6192	-0.0088	0.6927	0.5363	67.6818

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1186	0.1286	0.3218	0.2340	0.5497	0.2787	87.7986

RUN NO. 42

OMS = 10.0 THET = 120. PHI = 15. S/D = 1.25 DW =0.064 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3-2	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3-1	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3	0 0	0.55390	0.74840	0.72055	-0.42054	0.28532	-0.13972	49.195	0.09703
-3	1 1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3	2 1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2-3	0	0.39934	0.63814	1.01253	-0.09880	0.27760	0.00626	23.974	0.06281
-2-2	0	0.53532	0.73172	2.20062	0.16051	0.35037	0.60031	-0.924	-0.01961
-2-1	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2	0 0	0.50120	0.70825	1.80590	0.02527	0.25282	0.40295	12.763	0.06848
-2	1 0	0.04834	0.22135	2.22206	-0.15438	0.91412	0.61103	79.310	0.05898
-2	2 2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1-3	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1-2	0	0.32926	0.57390	2.18369	-0.26551	0.56288	0.59184	50.045	0.03251
-1-1	0	0.37922	0.61584	2.36024	0.03358	0.48021	0.68012	10.734	0.03639
-1	0 2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1	1 0	0.13044	0.36145	1.52238	0.15799	0.64100	0.26119	-11.937	0.02891
-1	2 2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.3596	0.5749	1.7535	-0.0702	0.4705	0.3767	26.6448

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1736	0.1763	0.5750	0.1917	0.2144	0.2875	28.5728

RUN NO. 43

OMS = 1.0 THET = 135. PHI = 15. S/D = 1.50 DW =0.016 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.44500	0.66717	1.99084	-0.31260	0.49272	0.70063	56.072	0.01285
-3	-2	0	0.30012	0.54786	2.29704	0.01520	0.69218	0.91715	11.005	0.01165
-3	-1	0	0.41678	0.64570	1.92232	0.28279	0.43650	0.65218	-20.459	0.01583
-3	0	0	0.33545	0.57996	1.22637	0.24279	0.25839	0.16007	-10.141	0.00004
-3	1	0	0.32655	0.57228	1.23821	-0.05990	0.20865	0.16844	21.110	0.00563
-3	2	0	0.46254	0.68043	1.42020	-0.30931	0.19296	0.29713	43.458	0.00354
-2	-3	0	0.25444	0.50449	2.15477	-0.17462	0.67070	0.81654	51.867	0.00473
-2	-2	0	0.15982	0.39982	2.30193	-0.11978	0.85876	0.92064	65.180	0.00467
-2	-1	0	0.35392	0.59515	1.99490	0.01143	0.40310	0.70350	13.448	0.01248
-2	0	0	0.53553	0.73263	1.11026	0.11720	-0.01845	0.07797	5.756	-0.00405
-2	1	0	0.55599	0.76131	1.21719	0.03153	-0.05102	0.15357	12.572	-0.00767
-2	2	0	0.50444	0.71027	1.68150	-0.03515	0.12131	0.48190	18.238	0.00383
-1	-3	0	0.21058	0.45906	1.98519	0.11284	0.56306	0.69663	-5.063	0.00260
-1	-2	0	0.16201	0.40265	1.88907	-0.16119	0.62085	0.62867	46.017	0.00471
-1	-1	0	0.39592	0.62957	1.39452	-0.27966	0.24294	0.27897	42.583	0.00267
-1	0	0	0.61255	0.78285	1.74135	-0.16882	0.08860	0.52422	29.679	0.01004
-1	1	0	0.56836	0.75390	1.93323	0.06667	0.20451	0.65989	8.241	0.00602
-1	2	0	0.49799	0.70587	1.56923	0.26867	0.16950	0.40251	-9.584	0.00274

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.3943	0.6184	1.7260	-0.0262	0.3425	0.5134	21.1099

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1365	0.1164	0.3738	0.1837	0.2540	0.2643	24.4266

RUN NO. 44

OMS = 100.0 THET = 165. PHI = 30. S/D = 1.50 DW =0.064 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	EMCONS
-3	-3	0	0.73647	0.85825	1.91729	-0.02451	2.53325	0.88604	206.466	-0.02250
-3	-2	0	0.75466	0.86875	1.80715	-0.53898	1.28299	0.77965	127.739	-0.02887
-3	-1	0	0.83892	0.91636	1.61697	-0.52555	-0.98392	0.59595	75.666	-0.01212
-3	0	0	0.91247	0.95529	1.54885	0.00017	-2.12919	0.53015	29.988	-0.00852
-3	1	0	0.89792	0.94795	1.60435	0.62860	-0.71027	0.58376	-24.848	-0.00906
-3	2	0	0.78774	0.88795	1.82028	0.51484	1.63298	0.79233	-77.652	-0.01302
-2	-3	0	0.76087	0.87261	1.93237	0.34685	0.42309	0.90060	-36.710	-0.01250
-2	-2	0	0.77788	0.88200	1.81059	-0.25221	-0.88221	0.78297	57.372	-0.02162
-2	-1	0	0.82289	0.90950	1.04024	-0.67410	-1.34671	0.03887	77.981	-0.04023
-2	0	0	0.89869	0.94830	1.89785	-0.46153	0.64125	0.86725	108.625	-0.00742
-2	1	0	0.86030	0.92787	1.88039	0.34392	2.33093	0.85039	-105.046	-0.00630
-2	2	0	0.78393	0.88619	1.48105	0.76139	1.70525	0.46466	-73.482	-0.01758
-1	-3	0	0.81422	0.90250	1.36432	0.47330	-1.70301	0.35190	-4.080	-0.03358
-1	-2	0	0.83251	0.91257	1.36279	0.15354	-2.24815	0.35043	19.650	-0.03232
-1	-1	0	0.85722	0.92589	1.94731	-0.23290	-0.12758	0.91503	68.591	-0.01188
-1	0	0	0.77999	0.88387	1.65200	-0.51179	2.75724	0.62978	161.627	-0.01657
-1	1	0	0.78816	0.88782	1.76189	-0.27136	3.07197	0.73593	183.160	-0.01547
-1	2	0	0.83408	0.91349	1.98426	0.25072	0.50315	0.95072	-32.847	-0.01154

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.8188	0.9048	1.6906	-0.0011	0.3751	0.6670	42.3444

END	VD	SIGZD	SIGLD	SIGTC	COS(T)D	PHID
0.0506	0.0278	0.2479	0.4395	1.6831	0.2394	89.6764

RUN NO. 45

OMS = 0.1 THET = 165. PHI = 15. S/D = 1.50 DW =0.001 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.34755	0.58958	1.99907	-0.00144	1.59570	0.96502	194.466	0.00105
-3	-2	0	0.44635	0.66811	1.65635	-0.51248	0.74717	0.60399	97.724	0.00638
-3	-1	0	0.53800	0.73349	1.88673	-0.19723	-0.24846	0.85652	46.399	0.00436
-3	0	0	0.31564	0.56182	1.90044	-0.00981	2.07049	0.86976	192.971	0.00065
-3	1	0	0.49259	0.70185	1.97751	0.21532	0.67534	0.94420	-53.681	0.01599
-3	2	0	0.44974	0.67063	1.61904	0.51766	1.55942	0.59795	-90.626	0.00519
-2	-3	0	0.43822	0.66200	1.78140	0.14550	-0.58064	0.75477	-4.578	0.00390
-2	-2	0	0.52477	0.72441	1.57351	-0.34929	-0.89954	0.55396	50.393	0.00307
-2	-1	0	0.51988	0.72110	1.77553	-0.46023	1.49120	0.74911	120.442	0.00738
-2	0	0	0.32345	0.56874	2.02592	0.05632	0.80314	0.99096	-32.868	0.00812
-2	1	0	0.46029	0.67845	1.81978	0.19115	2.42033	0.79185	-137.526	0.00984
-2	2	0	0.52258	0.72291	1.65179	0.53143	0.29804	0.62958	-56.126	0.00972
-1	-3	0	0.60323	0.77668	1.76632	0.10367	-0.97753	0.74021	3.549	0.00739
-1	-2	0	0.55424	0.74448	1.72442	0.28868	-0.72582	0.69974	-17.874	0.00462
-1	-1	0	0.38881	0.62355	1.99124	0.00767	1.69440	0.95746	-162.555	0.00777
-1	0	0	0.44279	0.66543	1.59294	-0.16517	3.00859	0.57274	177.374	0.00979
-1	1	0	0.41302	0.64267	1.94267	-0.12638	1.90293	0.91055	166.597	0.01006
-1	2	0	0.48292	0.69495	1.78897	-0.14569	-0.64458	0.76209	33.895	0.00919

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.4591	0.6750	1.8041	0.0050	0.7883	0.7767	29.3320

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0779	0.0587	0.1442	0.2839	1.2147	0.1393	107.9345

RUN NO. 46

OMS = 10.0 THET = 135. PHI = 30. S/D = 1.50 DW =0.004 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.80239	0.89578	2.05664	-0.33053	0.29979	0.74716	63.726	0.00185
-3	-2	0	0.61989	0.78734	2.20086	-0.41579	0.99590	0.84914	119.601	0.01208
-3	-1	0	0.65551	0.80966	2.36940	-0.09662	0.74905	0.96831	58.568	0.00148
-3	0	0	0.77098	0.87809	1.88303	0.33422	0.15312	0.62440	0.833	0.00411
-3	1	0	0.75237	0.86740	1.66735	0.24553	-0.02424	0.47188	11.273	0.00101
-3	2	0	0.81377	0.90210	1.54787	-0.06150	-0.17288	0.38740	34.241	-0.00002
-2	-3	0	0.66076	0.81288	2.29889	0.13394	0.58673	0.91845	5.376	-0.00068
-2	-2	0	0.55392	0.74426	2.33319	-0.23120	0.87192	0.94270	98.609	0.00673
-2	-1	0	0.66190	0.81358	2.01591	-0.43322	0.48493	0.71836	79.946	0.00538
-2	0	0	0.84512	0.91936	1.65642	-0.16113	-0.12867	0.46416	41.414	0.00130
-2	1	0	0.87201	0.93383	1.87665	0.04934	-0.03389	0.61989	26.139	0.00130
-2	2	0	0.87601	0.93596	1.71017	0.30843	-0.05828	0.50217	7.600	0.00175
-1	-3	0	0.65041	0.80649	2.01428	0.45237	0.52841	0.71720	-23.604	0.00673
-1	-2	0	0.60679	0.77898	2.24339	0.06150	0.48245	0.87921	20.461	0.00737
-1	-1	0	0.70209	0.83791	1.84950	-0.31230	0.16190	0.60069	57.788	0.00780
-1	0	0	0.86199	0.92843	1.64125	-0.41513	-0.01235	0.45343	60.110	-0.00095
-1	1	0	0.71104	0.84323	2.34152	-0.20199	0.75333	0.94859	79.189	0.00028
-1	2	0	0.74738	0.86452	2.25666	0.31063	0.65141	0.88859	-21.567	0.00501

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.7314	0.8533	1.9979	-0.0421	0.3494	0.7057	39.9835

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0965	0.0567	0.2708	0.2822	0.3644	0.1915	39.1466

RUN NO. 47

GMS = 1.0 THET = 120. PHI = 30. S/D = 1.25 DW =0.001 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.88635	0.94146	1.64462	-0.36975	0.06365	0.92231	54.512	0.00449
-3-2	0	0.56210	0.74974	2.56352	-0.46681	0.97044	0.78176	115.861	0.00568
-3-1	0	0.57916	0.76103	2.51781	-0.25866	0.51189	0.75891	61.462	0.00781
-3 0	0	0.79180	0.88984	2.07621	0.26642	0.19045	0.53811	9.193	0.00536
-3 1	0	0.70777	0.84129	2.23798	0.30194	0.32136	0.61899	2.809	0.00472
-3 2	0	0.74235	0.86160	2.16704	-0.10366	0.20097	0.58352	38.520	0.00358
-2-3	0	0.84067	0.91689	2.25358	-0.04096	0.17642	0.62679	33.287	0.00877
-2-2	0	0.52929	0.72752	2.76453	-0.33405	0.91284	0.88226	107.268	0.00668
-2-1	0	0.65117	0.80695	2.19466	-0.52187	0.55807	0.59733	83.745	0.01083
-2 0	0	0.85526	0.92534	1.69655	-0.26616	0.04672	0.34827	47.869	0.00466
-2 1	0	0.88003	0.93810	1.72603	0.25271	0.03422	0.36401	13.188	0.00389
-2 2	0	0.88265	0.93950	1.42147	0.08467	-0.05595	0.21074	24.710	0.00600
-1-3	0	0.74837	0.86509	2.15931	0.41703	0.34374	0.57965	-6.270	0.00604
-1-2	0	0.55821	0.74713	2.87163	0.04931	0.70124	0.93580	19.213	0.00138
-1-1	0	0.65649	0.81024	2.34642	-0.38742	0.47228	0.67321	70.288	0.01034
-1 0	0	0.87449	0.93515	1.60151	-0.33789	0.04697	0.30076	52.264	0.00470
-1 1	0	0.57549	0.75861	2.66495	-0.40044	0.85247	0.83246	102.304	0.00695
-1 2	0	0.84375	0.91856	1.98727	-0.15374	0.09482	0.49363	41.096	0.00381

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.7315	0.8519	2.1609	-0.1261	0.3579	0.5805	48.4619

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1276	0.0758	0.4103	0.2848	0.3193	0.2051	35.4703

RUN NO. 48

OMS = 100.0 THET = 150. PHI = 15. S/D = 1.25 DW =0.004 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.83591	0.91429	1.98465	-0.00959	1.95491	0.85274	193.853	-0.00106
-3	-2	0	0.88044	0.93833	1.81229	-0.65057	1.29313	0.70346	117.696	-0.00110
-3	-1	0	0.96519	0.98245	1.54208	-0.57979	-0.29046	0.46945	56.942	-0.00498
-3	0	0	0.88443	0.94045	2.00444	-0.26148	1.76633	0.86987	160.690	-0.00546
-3	1	0	0.97193	0.98588	1.86047	0.63706	0.67553	0.74519	-60.713	-0.00736
-3	2	0	0.88235	0.93936	1.84965	0.60621	1.38479	0.73582	-92.608	-0.00531
-2	-3	0	0.87196	0.93379	2.10316	0.19941	0.61882	0.95536	-31.296	0.00225
-2	-2	0	0.90623	0.95197	1.85292	-0.49350	0.17970	0.73865	65.270	0.00191
-2	-1	0	0.97038	0.98509	1.79568	-0.54604	0.08039	0.68908	64.900	-0.00980
-2	0	0	0.89624	0.94670	2.01073	0.26280	0.25039	0.87532	-20.036	-0.00668
-2	1	0	0.94388	0.97156	1.96101	0.00654	2.07692	0.83226	-164.305	-0.00731
-2	2	0	0.91335	0.95570	1.57223	0.81309	0.66597	0.49557	-63.393	-0.00255
-1	-3	0	0.94222	0.97069	1.53380	0.29262	-0.61890	0.46228	-4.875	-0.01001
-1	-2	0	0.95774	0.97871	1.46462	-0.18375	-0.75354	0.40237	26.836	-0.00998
-1	-1	0	0.90284	0.95018	2.08857	-0.19254	1.50346	0.94273	157.589	-0.01067
-1	0	0	0.87224	0.93394	1.84654	-0.26052	2.15856	0.73312	170.786	-0.00293
-1	1	0	0.91445	0.95627	1.96343	0.00570	2.05416	0.83435	-164.380	-0.00335
-1	2	0	0.95527	0.97740	2.02051	0.18216	0.16133	0.88379	-8.480	-0.00941

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.9168	0.9563	1.8482	-0.0096	0.8423	0.7345	22.4707

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0391	0.0205	0.1926	0.4196	0.9327	0.1668	107.0757

RUN NO. 49

DMS = 0.1 THET = 135. PHI = 15. S/D = 1.50 DW =0.001 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.17951	0.42370	2.31016	-0.15561	1.04933	0.92643	117.639	-0.00487
-3-2	0	0.19192	0.43816	2.32336	-0.14834	0.94101	0.93576	89.295	-0.00304
-3-1	0	0.43290	0.65795	1.99997	-0.05777	0.34714	0.70709	22.133	0.00222
-3 0	0	0.62391	0.78989	1.45245	0.18338	-0.02608	0.31994	0.815	0.00371
-3 1	0	0.64320	0.80207	1.38348	-0.00963	-0.09150	0.27116	15.715	0.00976
-3 2	0	0.46297	0.68042	2.11577	-0.06204	0.41530	0.78897	23.534	0.00125
-2-3	5	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-2-2	5	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-2-1	0	0.52676	0.72581	1.64543	-0.34882	0.23147	0.45639	47.696	0.00495
-2 0	0	0.46970	0.68538	2.20234	-0.14047	0.53020	0.85018	37.922	-0.00148
-2 1	0	0.55114	0.74239	2.09439	0.03087	0.33648	0.77385	11.236	0.00181
-2 2	0	0.43461	0.65942	1.84029	0.33326	0.41655	0.59417	-23.931	0.00173
-1-3	0	0.36452	0.60377	1.84249	0.20549	0.37890	0.59573	-10.074	0.00483
-1-2	0	0.40786	0.63865	1.74408	-0.17471	0.27278	0.52614	33.766	0.00537
-1-1	0	0.54380	0.73744	1.80252	-0.41212	0.36942	0.56747	57.746	-0.00002
-1 0	0	0.25832	0.50825	2.28035	-0.21568	1.01145	0.90535	107.151	0.00170
-1 1	0	0.21430	0.46293	2.41395	-0.00215	1.01142	0.99982	180.091	0.00227
-1 2	0	0.45343	0.67337	2.01445	0.32022	0.51508	0.71732	-28.042	0.00207

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.4224	0.6394	1.9666	-0.0409	0.4018	0.6835	42.6687

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1420	0.1170	0.3017	0.2100	0.3411	0.2134	54.5798

RUN NO. 50

ONS = 10.0 THET = 165. PHI = 30. S/D = 1.50 DW =0.004 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.26294	0.51281	1.99591	-0.00441	1.53985	0.96198	208.192	-0.00730
-3	-2	0	0.33061	0.57504	1.69645	-0.39535	0.39387	0.67272	98.357	-0.00617
-3	-1	0	0.54044	0.73518	1.66774	-0.30475	-0.82327	0.64498	62.854	-0.00399
-3	0	0	0.53485	0.73134	2.02377	-0.03283	0.60004	0.98888	47.597	0.00089
-3	1	0	0.51923	0.72061	1.90069	0.35510	0.98134	0.87000	-59.221	0.00640
-3	2	0	0.34400	0.58656	1.68374	0.42076	1.50124	0.66044	-77.136	-0.00278
-2	-3	0	0.32916	0.57377	1.74298	0.24828	-0.20901	0.71766	-8.480	0.00558
-2	-2	0	0.39946	0.63208	1.59480	-0.16477	-0.89428	0.57453	48.576	0.00453
-2	-1	0	0.51255	0.71594	1.72245	-0.47527	0.25631	0.69784	97.952	-0.00111
-2	0	0	0.48606	0.69723	1.98776	-0.14842	1.56502	0.95411	164.575	-0.00014
-2	1	0	0.43858	0.66228	1.88695	0.12235	2.23189	0.85672	-129.007	0.00322
-2	2	0	0.39718	0.63027	1.78867	0.40642	1.14414	0.76180	-65.245	-0.00057
-1	-3	0	0.53850	0.73386	1.63169	0.19088	-1.12163	0.61016	10.832	0.00190
-1	-2	0	0.51193	0.71558	1.69523	0.30621	-0.57124	0.67154	-5.295	-0.00069
-1	-1	0	0.36485	0.60411	2.03142	-0.04868	1.03670	0.99628	131.042	-0.00269
-1	0	0	0.34199	0.58493	1.66400	-0.30272	2.27809	0.64138	167.537	-0.00488
-1	1	0	0.36931	0.60781	1.92489	-0.17308	1.81353	0.89337	170.580	-0.00281
-1	2	0	0.42984	0.65563	1.88238	-0.00694	-0.32460	0.85231	31.159	-0.00131

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.4251	0.6486	1.8068	-0.0004	0.6277	0.7793	49.7178

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0857	0.0667	0.1429	0.2713	1.0725	0.1380	94.1313

RUN NO. 51

OMS = 1.0 THET = 150. PHI = 30. S/D = 1.25 DW =0.001 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	5	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-3-2	5	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-3-1	0	0.14512	0.38095	2.14375	0.04711	0.95454	0.99052	-34.243	0.00001
-3 0	0	0.48419	0.69584	2.05359	-0.06347	1.55514	0.91244	197.120	-0.00568
-3 1	0	0.72443	0.85115	2.03955	-0.28685	1.46887	0.90028	159.259	-0.00006
-3 2	0	0.20704	0.45502	1.85540	0.30093	0.89314	0.74080	-49.932	-0.00016
-2-3	0	0.25069	0.50069	1.68528	0.27505	0.41098	0.59347	-13.044	-0.00314
-2-2	0	0.37647	0.61358	1.46654	-0.18458	-0.06006	0.40404	49.200	0.00458
-2-1	0	0.30640	0.55353	2.06592	-0.19541	0.83128	0.92311	96.650	0.00792
-2 0	5	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-2 1	0	0.68134	0.82544	1.97496	0.17072	1.81592	0.84434	-127.292	-0.00263
-2 2	5	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-1-3	0	0.33908	0.58234	2.04168	0.08792	0.52955	0.90212	9.505	-0.00076
-1-2	0	0.50931	0.71371	1.58298	0.32535	-0.04580	0.50487	-1.890	0.00237
-1-1	0	0.10455	0.32335	2.00364	-0.00741	1.31943	0.86918	207.345	-0.00595
-1 0	0	0.10092	0.31782	2.11713	-0.07084	0.92667	0.96746	92.637	0.00155
-1 1	0	0.09974	0.31591	1.94982	0.10288	1.29400	0.82257	-115.014	-0.00240
-1 2	0	0.26050	0.51043	1.66963	-0.13009	0.21033	0.57991	48.236	-0.00520

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.3278	0.5457	1.9036	0.0265	0.8646	0.7825	37.0384

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1990	0.1734	0.2080	0.1876	0.5721	0.1801	101.4317

RUN NO. 52

OMS = 100.0 THET = 120. PHI = 15. S/D = 1.25 DW =0.004 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.97126	0.98553	2.67335	-0.39125	0.57066	0.83668	61.459	-0.00352
-3	-2	0	0.94615	0.97271	2.76457	-0.27669	0.57876	0.88228	52.179	-0.00142
-3	-1	0	0.99633	0.99816	2.00233	0.22259	0.03630	0.50117	0.067	0.00004
-3	0	0	0.92449	0.96150	2.61741	0.39199	0.52925	0.80871	-28.875	-0.00215
-3	1	0	0.89673	0.94696	2.87782	-0.12516	0.65255	0.93891	37.585	-0.00049
-3	2	0	0.94828	0.97380	2.10268	-0.53187	0.29088	0.55134	55.895	-0.00653
-2	-3	0	0.92388	0.96119	2.85575	-0.33810	0.86265	0.92788	85.617	-0.00788
-2	-2	0	0.84979	0.92185	2.74297	-0.40931	1.22159	0.87149	130.119	-0.00100
-2	-1	0	0.95780	0.97867	2.75418	-0.15892	0.48916	0.87709	34.760	-0.00393
-2	0	0	0.97999	0.98995	2.00242	0.44115	0.15211	0.50121	-15.997	0.00173
-2	1	0	0.95346	0.97645	2.42450	0.03505	0.20962	0.71225	12.069	0.00004
-2	2	0	0.98084	0.99037	1.82215	-0.34215	0.03527	0.41107	37.270	0.00039
-1	-3	0	0.89822	0.94774	2.96182	0.09162	0.81534	0.98091	-14.810	-0.00251
-1	-2	0	0.85222	0.92316	2.86699	-0.32497	1.07281	0.93349	115.981	-0.00219
-1	-1	0	0.94027	0.96968	2.39351	-0.52222	0.46958	0.69680	63.664	0.00027
-1	0	0	0.99610	0.99805	1.60647	0.16109	-0.08231	0.30324	5.248	-0.00055
-1	1	0	0.99169	0.99587	1.50719	0.10159	-0.10605	0.25360	8.946	-0.00186
-1	2	0	0.99671	0.99835	1.55900	-0.06409	-0.10437	0.27950	18.834	-0.00058

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.9447	0.9717	2.3631	-0.1133	0.4274	0.6815	36.6673

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0451	0.0234	0.4897	0.2932	0.3925	0.2448	42.8927

RUN NO. 53

OMS = 0.1 THET = 120. PHI = 30. S/D = 1.25 DW =0.016 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.65457	0.80906	1.99571	-0.44610	0.37462	0.49786	69.477	0.02023
-3-2	0	0.86683	0.93120	1.39801	-0.30101	0.00561	0.19900	49.267	0.01384
-3-1	0	0.75092	0.86661	2.37661	-0.17887	0.30429	0.68831	46.535	0.01998
-3 0	0	0.90914	0.95350	1.43055	0.23122	-0.04150	0.21528	15.622	0.01186
-3 1	0	0.69152	0.83158	2.42889	0.21336	0.37495	0.71444	8.488	0.02133
-3 2	0	0.53345	0.73044	2.77710	-0.14079	0.64923	0.88855	54.866	0.01735
-2-3	0	0.72407	0.85096	1.90852	-0.23115	0.16641	0.45426	47.754	0.01819
-2-2	0	0.85816	0.92651	1.48908	-0.45752	0.10763	0.24454	60.626	0.01501
-2-1	0	0.57856	0.76065	2.70559	-0.35253	0.78880	0.85280	92.578	0.02342
-2 0	0	0.65149	0.80718	2.69211	0.02394	0.50404	0.84606	26.809	0.02279
-2 1	0	0.70077	0.83721	1.91594	0.45596	0.32107	0.45797	-7.793	0.01967
-2 2	0	0.62894	0.79308	2.41567	0.13032	0.37094	0.70784	16.547	0.01373
-1-3	0	0.83602	0.91444	1.12398	-0.01570	-0.05366	0.06199	30.986	0.00130
-1-2	0	0.78405	0.88547	2.27489	-0.22372	0.25577	0.63745	49.143	0.00586
-1-1	0	0.52940	0.72762	2.49879	-0.45312	0.81123	0.74939	100.151	0.01330
-1 0	0	0.60208	0.77596	2.49779	-0.29816	0.51632	0.74890	65.443	0.01223
-1 1	0	0.80716	0.89847	1.73805	0.18436	0.05967	0.36903	17.244	0.01399
-1 2	0	0.78401	0.88561	1.25973	0.25152	0.02888	0.12986	13.350	0.00587

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.7162	0.8436	2.0515	-0.0893	0.3080	0.5258	42.0613

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1130	0.0674	0.5245	0.2740	0.2627	0.2622	28.5260

RUN NO. 54

OMS = 10.0 THET = 150. PHI = 15. S/D = 1.25 DW =0.064 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.15759	0.40319	1.08287	-0.10694	1.76477	0.07177	179.375	-0.03155
-3	-2	0	0.24690	0.49730	1.63593	-0.28241	1.60598	0.55073	152.013	0.00416
-3	-1	0	0.43288	0.65816	1.79487	-0.14340	0.09061	0.68837	32.505	0.01145
-3	0	0	0.58628	0.76581	1.42924	0.16865	-0.38084	0.37173	1.273	0.00745
-3	1	1	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-3	2	0	0.34339	0.58621	2.09618	0.12788	0.73906	0.94932	-29.427	0.00484
-2	-3	0	0.22441	0.47412	2.06796	0.16620	1.12657	0.92488	-95.848	0.01066
-2	-2	0	0.29083	0.53978	1.61315	-0.43975	0.75628	0.53101	89.512	0.01003
-2	-1	1	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.
-2	0	0	0.39964	0.63220	2.07758	-0.22696	1.01058	0.93321	106.336	0.01283
-2	1	0	0.44920	0.67026	1.85683	0.44857	1.04818	0.74204	-78.074	0.01326
-2	2	0	0.10886	0.33041	1.84270	0.11919	0.61787	0.72980	-16.958	0.01048
-1	-3	0	0.38890	0.62411	1.33980	0.29729	-0.03255	0.29428	-14.935	0.00523
-1	-2	0	0.40309	0.63537	1.54622	-0.27738	0.02933	0.47304	44.749	-0.03983
-1	-1	0	0.51522	0.71915	1.13849	-0.64388	0.39172	0.11994	79.716	-0.00629
-1	0	0	0.30125	0.54972	1.64774	-0.28408	1.70548	0.56096	156.156	-0.00246
-1	1	0	0.27441	0.52545	1.19145	0.23893	1.91512	0.16580	-137.427	-0.00441
-1	2	0	0.43765	0.66253	1.34312	0.60286	0.62923	0.29715	-57.908	-0.00176

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.3475	0.5796	1.6065	-0.0147	0.8136	0.5253	25.6911

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1244	0.1118	0.3233	0.3281	0.6742	0.2800	92.4463

RUN NO. 55

OMS = 1.0 THET = 165. PHI = 15. S/D = 1.50 DW =0.016 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.29061	0.53920	1.96303	-0.00941	1.76116	0.93022	192.265	0.00639
-3-2	0	0.35716	0.59777	1.74681	-0.41352	0.96890	0.72136	103.885	-0.00003
-3-1	0	0.53300	0.73012	1.54152	-0.42494	-0.75611	0.52307	58.074	0.01166
-3 0	0	0.60978	0.78098	1.89598	-0.03457	-0.50429	0.86545	20.074	0.01471
-3 1	0	0.54628	0.73932	1.65855	0.48260	-0.17234	0.63611	-42.841	0.01160
-3 2	0	0.38035	0.61676	1.76593	0.40659	1.31849	0.73983	-86.461	0.00719
-2-3	0	0.33867	0.58199	1.86354	0.13112	-0.13184	0.83412	-9.113	0.00874
-2-2	0	0.40359	0.63539	1.57961	-0.33885	-0.55576	0.55986	55.082	0.00564
-2-1	0	0.54063	0.73530	1.61710	-0.55453	0.21744	0.59607	84.935	0.01501
-2 0	0	0.49273	0.70196	1.98269	-0.15236	1.61753	0.94921	151.371	0.01119
-2 1	0	0.50506	0.71070	1.81751	0.39467	1.71585	0.78966	-100.148	0.01160
-2 2	0	0.41275	0.64296	1.54394	0.53014	0.49927	0.52540	-61.265	-0.00051
-1-3	0	0.51475	0.71863	1.24791	0.16632	-1.61353	0.23366	1.186	0.00060
-1-2	0	0.52682	0.72586	1.62269	0.02639	-1.23585	0.60244	12.389	0.00865
-1-1	0	0.42379	0.65110	2.00884	-0.14325	1.08915	0.97447	114.151	0.01530
-1 0	0	0.39359	0.62795	1.63592	-0.19420	2.75450	0.61425	171.846	0.00840
-1 1	0	0.40102	0.63328	1.93695	-0.04030	2.02864	0.90503	186.392	0.00933
-1 2	0	0.48010	0.69291	1.86006	0.13422	-0.39681	0.83075	-5.368	0.01935

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.4528	0.6701	1.7380	-0.0019	0.4780	0.7128	47.0251

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0839	0.0632	0.1941	0.3124	1.1991	0.1875	89.9241

RUN NO. 56

OMS = 100.0 THET = 135. PHI = 30. S/D = 1.50 DW =0.064 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.93058	0.96491	1.54088	-0.53783	-0.03473	0.38246	67.127	0.00528
-3	-2	0	0.97239	0.98905	0.84936	-0.42351	-0.26400	-0.10652	55.354	-0.01197
-3	-1	0	0.97051	0.98515	2.27425	0.07689	0.40558	0.90103	19.633	-0.00474
-3	0	0	0.94179	0.97052	1.81456	0.70095	0.47480	0.57598	-32.085	0.01091
-3	1	0	0.87118	0.93349	2.21977	0.42497	0.70985	0.86251	-34.230	0.00974
-3	2	0	0.87802	0.93704	2.30506	-0.11716	0.51723	0.92281	48.942	0.00722
-2	-3	0	0.98745	1.02388	1.36865	-0.26573	-0.33739	0.26067	45.695	0.02479
-2	-2	0	0.97203	0.98623	1.84999	-0.60031	0.27934	0.60104	79.673	-0.00369
-2	-1	0	0.89315	0.94507	2.30522	-0.34620	1.15801	0.92290	137.887	0.09679
-2	0	0	0.92069	0.95958	2.29536	0.35722	0.79777	0.91596	-38.184	-0.00098
-2	1	0	0.92003	0.95926	1.72645	0.58566	0.18253	0.51368	-15.375	0.00733
-2	2	0	0.93084	0.96501	1.75237	0.17334	-0.12858	0.53201	17.745	0.00371
-1	-3	0	0.97471	0.98729	1.72082	0.23232	-0.15543	0.50970	14.127	-0.00953
-1	-2	0	0.89189	0.94444	2.38501	-0.10831	0.77845	0.97935	64.659	0.00152
-1	-1	0	0.83071	0.91144	2.21287	-0.46420	1.09165	0.85763	127.947	-0.00104
-1	0	0	0.89767	0.94749	2.17716	-0.37276	0.47719	0.83239	75.238	-0.00740
-1	1	0	0.95452	0.97720	1.29217	0.15642	-0.33372	0.20659	20.583	-0.01410
-1	2	1	-0.	-0.	1.00000	-0.	1.00000	-0.	-0.	-0.

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.9258	0.9639	1.8876	-0.0311	0.3323	0.6277	38.5138

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0427	0.0259	0.4279	0.3941	0.4687	0.3026	50.6596

RUN NO. 57

OMS = 0.1 THET = 150. PHI = 30. S/D = 1.50 DW =0.004 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.37840	0.61515	2.11168	-0.06502	1.30617	0.96274	186.987	0.00521
-3-2	0	0.41493	0.64416	1.92107	-0.38746	1.05607	0.79767	124.138	0.00573
-3-1	0	0.56196	0.74969	1.80598	-0.29954	0.10793	0.69722	63.884	0.00466
-3 0	0	0.71996	0.84857	1.71250	-0.01495	-0.33486	0.61704	31.283	0.00700
-3 1	0	0.71313	0.84449	1.79786	0.25387	-0.11027	0.69097	5.424	0.01072
-3 2	0	0.51762	0.71952	1.98460	0.31398	0.58761	0.85269	-26.707	0.01313
-2-3	0	0.39931	0.63191	2.03222	0.26031	0.77685	0.89393	-36.798	0.00223
-2-2	0	0.44544	0.66742	1.95239	-0.18442	0.34154	0.82480	59.256	0.00744
-2-1	0	0.61985	0.78738	1.42936	-0.44593	-0.15788	0.37184	67.606	0.00315
-2 0	0	0.61044	0.78137	2.07401	-0.21977	0.63212	0.93012	80.073	0.00982
-2 1	0	0.49000	0.70008	2.10810	0.13818	1.27843	0.95964	-105.216	0.00792
-2 2	0	0.51644	0.71870	1.73363	0.55334	0.91838	0.63534	-55.782	0.00944
-1-3	0	0.57125	0.75585	1.59695	0.38112	-0.04549	0.51697	-6.095	0.00817
-1-2	0	0.59945	0.77433	1.51833	0.06617	-0.37712	0.44888	24.511	0.00881
-1-1	0	0.63435	0.79652	1.81876	-0.23885	-0.01626	0.70906	55.176	0.00483
-1 0	0	0.50228	0.70873	1.89746	-0.43879	1.15861	0.77722	130.245	0.01016
-1 1	0	0.44360	0.66609	2.02159	-0.15190	1.54084	0.88473	180.677	0.00559
-1 2	0	0.50196	0.70849	2.08306	0.20119	0.71806	0.93795	-24.983	0.00525

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.5356	0.7288	1.8664	-0.0155	0.5212	0.7505	41.8711

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0922	0.0670	0.2003	0.2925	0.5969	0.1735	77.6614

RUN NO. 58

OMS = 10.0 THET = 120. PHI = 15. S/D = 1.50 DW =0.001 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.93146	0.96512	2.21745	-0.18501	0.14205	0.60873	28.982	0.00223
-3	-2	0	0.92023	0.95929	2.14894	-0.03920	0.09447	0.57447	17.862	0.00430
-3	-1	0	0.96090	0.98026	1.65935	0.10879	-0.06121	0.32968	8.249	0.00147
-3	0	0	0.76913	0.87700	2.53155	0.22067	0.40066	0.76577	-8.032	0.00476
-3	1	0	0.67667	0.82260	2.79757	-0.11067	0.60369	0.89879	32.872	0.00997
-3	2	0	0.78414	0.88552	2.18216	-0.39466	0.31257	0.59108	48.541	0.00707
-2	-3	0	0.84646	0.92003	2.55598	-0.31176	0.43794	0.77799	47.639	0.00224
-2	-2	0	0.68603	0.82828	2.84278	-0.24998	0.76585	0.92139	65.941	0.01018
-2	-1	0	0.87229	0.93397	2.43619	-0.02515	0.25002	0.71810	17.218	0.00526
-2	0	0	0.83595	0.91430	2.33201	0.33322	0.18160	0.51601	-10.181	0.00546
-2	1	0	0.77541	0.88058	2.40131	0.02273	0.27500	0.70066	12.929	0.00715
-2	2	0	0.85169	0.92289	1.92863	-0.29703	0.12075	0.46432	36.310	0.00891
-1	-3	0	0.77132	0.87825	2.75637	-0.05877	0.51934	0.87803	22.963	0.00513
-1	-2	0	0.62994	0.79369	2.87295	-0.24254	0.84291	0.93647	75.742	0.00853
-1	-1	0	0.77845	0.88230	2.46355	-0.29359	0.39404	0.73178	44.225	0.00757
-1	0	0	0.92678	0.96269	1.69171	0.18305	-0.02138	0.34586	3.308	0.00417
-1	1	0	0.89141	0.94416	1.69843	0.09429	-0.01573	0.34922	8.882	0.00222
-1	2	0	0.92802	0.96336	1.62367	-0.11610	-0.04834	0.31183	22.287	0.00664

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.8242	0.9063	2.2689	-0.0756	0.2886	0.6345	26.4298

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0941	0.0527	0.4142	0.2008	0.2645	0.2071	22.9306

RUN NO. 59

OMS = 1.0 THET = 135. PHI = 15. S/C = 1.25 DW =0.004 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIG'	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.35946	0.59959	2.11954	-0.13708	1.48026	0.79163	173.018	0.00584
-3	-2	0	0.41402	0.64344	2.23438	-0.27466	1.21523	0.87284	133.992	0.01229
-3	-1	0	0.60204	0.77592	2.06593	-0.20314	0.33857	0.75373	38.477	0.00589
-3	0	0	0.77605	0.88095	1.30839	0.25744	-0.16006	0.21806	-2.424	0.00240
-3	1	0	0.78997	0.88894	1.25876	-0.03264	-0.23469	0.18297	17.141	0.00449
-3	2	0	0.58653	0.76585	2.32060	0.04173	0.61702	0.93381	6.241	0.00797
-2	-3	0	0.40249	0.63443	2.37363	0.14635	1.05110	0.97131	-88.867	0.00943
-2	-2	0	0.46788	0.68402	2.10343	-0.40741	0.81529	0.78022	87.227	0.00364
-2	-1	0	0.70610	0.84037	1.49481	-0.50515	0.14638	0.34988	54.926	0.00385
-2	0	0	0.48981	0.69988	2.28517	-0.27222	1.14942	0.90875	126.213	0.01712
-2	1	0	0.57937	0.76116	2.38321	-0.02188	0.77801	0.97808	22.935	0.00668
-2	2	0	0.57198	0.75629	1.79623	0.56193	0.61298	0.56302	-49.033	0.00550
-1	-3	0	0.55429	0.74451	2.01567	0.27877	0.38247	0.71819	-17.555	-0.00157
-1	-2	0	0.60625	0.77862	1.91405	-0.23015	0.22537	0.64633	37.791	0.00603
-1	-1	0	0.74142	0.86107	1.71928	-0.56311	0.31808	0.50861	64.427	0.00383
-1	0	0	0.40827	0.63896	2.05192	-0.22195	1.51598	0.74382	163.687	0.00532
-1	1	0	0.34566	0.58796	2.12724	-0.00290	1.50208	0.79708	194.532	-0.00031
-1	2	0	0.64951	0.80592	1.97780	0.49768	0.57261	0.69141	-43.733	0.00899

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.5584	0.7415	1.9750	-0.0605	0.6848	0.6894	51.0551

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1366	0.0924	0.3312	0.3088	0.5311	0.2342	79.0945

RUN NO. 60

OMS = 100.0 THET = 165. PHI = 30. S/D = 1.25 DW =0.001 ML/MG = 4.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	0	0.80768	0.89871	1.99871	-0.00011	1.91456	0.96468	209.972	-0.00149
-3-2	0	0.87060	0.93306	1.65194	-0.68466	0.08081	0.62972	100.839	-0.00008
-3-1	0	0.82804	0.90997	1.71807	0.62433	1.77167	0.89360	-77.740	-0.00035
-3 0	0	0.91630	0.95724	1.95658	0.09364	2.36713	0.92398	-135.177	-0.00328
-3 1	0	0.92613	0.96241	1.83820	-0.40310	-0.52824	0.80964	75.543	-0.02333
-3 2	0	0.87324	0.93447	1.46077	0.68890	2.83545	0.44507	-94.589	-0.00021
-2-3	0	0.87077	0.93315	1.74715	0.39937	-0.96148	0.72170	-8.191	0.00084
-2-2	0	0.91316	0.95561	1.49791	-0.24896	-2.09074	0.48094	47.287	-0.00354
-2-1	0	0.93240	0.96561	1.60261	-0.69322	2.42453	0.58208	148.007	-0.00777
-2 0	0	0.90593	0.95181	1.92212	-0.08268	2.64076	0.89070	198.982	-0.01143
-2 1	0	0.94372	0.97147	1.97477	-0.05831	-0.24377	0.94156	40.268	-0.01017
-2 2	0	0.91701	0.95761	1.78932	0.61848	1.14649	0.76243	-63.508	-0.00322
-1-3	0	0.85787	0.92621	1.93178	-0.22473	2.29561	0.90003	176.171	-0.00300
-1-2	0	0.93579	0.96737	1.51945	0.83158	0.64053	0.50176	-53.616	-0.00622
-1-1	0	0.89288	0.94492	2.03166	-0.05551	1.21651	0.99651	165.271	-0.00283
-1 0	0	0.86604	0.93065	1.44855	-0.39248	3.86359	0.43326	182.096	-0.00135
-1 1	0	0.89440	0.94573	1.97207	-0.15130	2.11302	0.93895	182.291	-0.00861
-1 2	0	0.97225	0.98603	1.52905	-0.30401	-2.05679	0.51102	51.019	-0.00273

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.8958	0.9462	1.7550	-0.0024	1.0794	0.7293	63.6069

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0406	0.0216	0.2011	0.4481	1.6677	0.1942	110.5735

RUN NO. 61

OMS = 0.1 THET = 165. PHI = 15. S/D = 1.25 DW =0.064 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-3	-2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-3	-1	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-3	0	0	0.09543	0.30997	2.00078-0.04596	0.80388	0.96668	57.183	0.01156
-3	1	0	0.17905	0.42508	1.20361 0.38664	0.42149	0.19667	-53.835	0.00283
-3	2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	-3	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	-2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	-1	0	0.10285	0.33024	1.82252-0.11593	1.46652	0.79449	150.839	-0.01167
-2	0	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	1	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-2	2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	-3	0	0.09075	0.30547	1.94794-0.07335	0.75561	0.91564	63.645	-0.01875
-1	-2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	-1	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	0	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	1	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.
-1	2	2-0.	-0.	1.00000-0.		1.00000-0.		-0.	-0.

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.1170	0.3427	1.7437	0.0378	0.8619	0.7184	54.4581

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0361	0.0485	0.3185	0.2029	0.3789	0.3076	72.6438

RUN NO. 62

OMS = 10.0 THET = 135. PHI = 30. S/D = 1.25 DW =0.016 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.39988	0.63239	2.13523	-0.29989	0.67687	0.80273	82.696	-0.00164
-3	-2	0	0.23780	0.48781	2.04390	-0.29981	1.19013	0.73815	144.154	-0.00273
-3	-1	0	0.30583	0.55303	2.30583	-0.09993	0.73517	0.92336	58.085	-0.00660
-3	0	0	0.56836	0.75404	1.61934	0.18443	0.07795	0.43794	14.205	0.00440
-3	1	0	0.59216	0.78022	0.65907	0.20660	-0.04517	-0.24107	14.382	-0.01704
-3	2	0	0.67577	0.82208	1.53969	0.01971	-0.07418	0.38162	28.513	0.00012
-2	-3	0	0.27068	0.52039	2.23974	0.20468	0.79745	0.87663	-25.020	-0.00646
-2	-2	0	0.21746	0.46640	2.23287	-0.21853	0.90711	0.87177	103.272	0.00737
-2	-1	0	0.41651	0.64545	1.47894	-0.42368	0.38491	0.33866	74.249	0.00068
-2	0	0	0.68992	0.83068	1.59997	-0.26915	0.00684	0.42424	50.970	0.00197
-2	1	0	0.45368	0.67357	2.21459	-0.12527	0.54542	0.85885	51.292	-0.00243
-2	2	0	0.59913	0.77407	1.77113	0.40958	0.28844	0.54527	-9.147	-0.00196
-1	-3	0	0.36113	0.60098	1.62109	0.44410	0.56588	0.43918	-25.347	-0.00677
-1	-2	0	0.34375	0.58643	1.97786	0.06592	0.40877	0.69145	21.039	-0.00747
-1	-1	0	0.51074	0.71489	1.20342	-0.29786	0.09306	0.14384	54.913	-0.01104
-1	0	0	0.60757	0.77954	1.92884	-0.38978	0.37812	0.65679	71.554	0.00190
-1	1	0	0.24118	0.49116	2.30937	-0.04184	1.25524	0.92587	196.948	-0.00681
-1	2	0	0.31265	0.55918	2.31653	0.19849	1.06659	0.93092	-73.345	0.00278

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.4336	0.6485	1.8443	-0.0407	0.5144	0.5970	46.3007

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.1538	0.1187	0.4380	0.2630	0.4087	0.3097	61.9731

RUN NO. 63

OMS = 1.0 THET = 120. PHI = 30. S/D = 1.50 DW =0.064 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3-3	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3-2	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3-1	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3 0	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3 1	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-3 2	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2-3	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2-2	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2-1	1-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2 0	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2 1	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-2 2	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1-3	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1-2	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1-1	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1 0	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1 1	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.
-1 2	2-0.	-0.		1.00000-0.		1.00000-0.		-0.	-0.

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.	0.	0.	0.	0.	0.	0.

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
-0.	-0.	-0.	-0.	-0.	-0.	-0.

RUN NO. 64

OMS = 100.0 THET = 150. PHI = 15. S/D = 1.50 DW =0.016 ML/MG = 2.

GC	B	EOUT	V	SIGZ	SIGL	SIGT	COS(T)	PHI	ENCONS
-3	-3	0	0.87032	0.93292	2.04347	-0.15694	1.73473	0.90367	171.868	-0.00600
-3	-2	0	0.88870	0.94272	2.06181	-0.27541	1.49547	0.91955	146.972	-0.00299
-3	-1	0	0.96512	0.98247	2.01108	-0.00292	0.05153	0.87562	15.352	-0.00819
-3	0	0	0.96308	0.98163	1.38595	0.22975	-0.79125	0.33425	0.612	-0.00968
-3	1	0	0.97178	0.98603	1.44136	0.05141	-0.81837	0.38223	11.764	-0.00639
-3	2	0	0.94761	0.97346	2.09729	0.00950	0.39412	0.95028	13.204	-0.01166
-2	-3	0	0.86661	0.93102	2.13883	0.14798	1.07493	0.98623	-89.208	-0.00840
-2	-2	0	0.88563	0.94120	2.02572	-0.41126	0.73777	0.88830	87.318	-0.00701
-2	-1	0	0.96212	0.98107	1.63903	-0.60888	-0.08855	0.55339	63.207	-0.00357
-2	0	0	0.98226	0.99116	1.96581	-0.24499	0.03087	0.83642	41.821	-0.00991
-2	1	0	0.97538	0.98770	1.90653	0.46563	0.20725	0.78508	-34.593	-0.01147
-2	2	0	0.91263	0.95545	1.87121	0.60564	0.67832	0.75449	-60.127	-0.00391
-1	-3	0	0.90961	0.95383	1.91377	0.29179	-0.00902	0.79135	-15.044	-0.00716
-1	-2	0	0.92376	0.96120	1.81659	-0.24406	-0.26807	0.70719	36.053	-0.00581
-1	-1	0	0.95996	0.97983	1.65885	-0.59023	-0.09353	0.57058	62.189	-0.00674
-1	0	0	0.94029	0.96974	2.02739	-0.40702	1.34685	0.88975	128.078	-0.00720
-1	1	0	0.94000	0.96966	2.06650	0.27752	1.49238	0.92361	-116.577	-0.00808
-1	2	0	0.93658	0.96793	1.76634	0.64455	0.34245	0.66367	-47.975	-0.00311

ENB	VB	SIGZB	SIGLB	SIGTB	COS(T)B	PHIB
0.9334	0.9661	1.8799	-0.0121	0.4177	0.7620	23.0508

END	VD	SIGZD	SIGLD	SIGTD	COS(T)D	PHID
0.0359	0.0187	0.2158	0.3734	0.7457	0.1869	76.7217