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STRUCTURE OF THE TURBULENT SEPARATED FLOW AROUND A STALLED AIRFOIL

by

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SUMMARY

Hot-wire measurements have been made in the boundary layer, the separated region, and the near wake for flow past a NACA 4412 airfoil at maximum lift. The Reynolds number based on chord was 1,500,000. Special care was taken to achieve a two-dimensional mean flow. The main instrumentation was a flying hot wire; that is, a hot-wire probe mounted on the end of a rotating arm. The probe velocity was sufficiently high to avoid rectification of the hot-wire signal by keeping the relative flow direction always within a range of ± 30 degrees to the probe axis. A digital computer was used to control synchronized sampling and storage of hot-wire data at closely spaced points along the probe arc. Data were obtained at several thousand locations in the flow field. These data include intermittency, two components of mean velocity, and mean values for three double, four triple, and five quadruple products of two velocity fluctuations. No information was obtained about the third (spanwise) velocity component.

Smoothing and interpolating routines are used to determine intermittency, two components of mean velocity, and mean values of three double, four triple, and five quadruple products of two velocity fluctuations on a fine rectangular mesh aligned with the airfoil chord. The data are presented in contour plots, in three-dimensional plots, and in tabular form. The format used to store the experimental data in digital form is described and a computer program which illustrates how this data can be accessed is presented.

TABLE OF CONTENTS

LIST OF SYMBOLS

Symbol	Definition
c	Airfoil chord
IX, IY	Indices referring to processed data mesh
Q_{ref}	Reference dynamic pressure measured by roof-mounted pitot-static tube
q_{ref}	Reference velocity measured by roof-mounted pitot-static tube
R	Radius of rotor
Re_c	Reynolds number based on chord, $q_{ref} \cdot c/u$
u, v	Velocity components in (x, y) coordinates
$\bar{u}, \bar{v}$	Velocity components in $(\bar{x}, \bar{y})$ coordinates
X, Y	Position of rotor hub in $(\bar{x}, \bar{y})$ coordinates
x, y	Coordinates normal and parallel to chord
$\bar{x}, \bar{y}$	Coordinates normal and parallel to free stream
α	Airfoil angle of attack
γ	Intermittency
ε	Instantaneous flow angle relative to hot-wire probe axis
ϕ	Angular position of rotor
ν	Kinematic coefficient of viscosity
ω	Angular velocity of rotor
$< >$	Ensemble average

Superscripts	Definition
	Quantity measured in $(\bar{x}, \bar{y})$ coordinates
	Fluctuating component
Subscripts	
n	Frame number--refers to position of data point along hot-wire path
1, 2	Arm number

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1.0 INTRODUCTION

Development of methods for calculating turbulent flows is limited by a scarcity of accurate measurements. The measurements presented in this report describe in considerable detail the trailing-edge separation process on an airfoil operating near maximum lift, and also document the relaxation process in the near wake to a distance of about one chord length downstream of the trailing edge.

None of the experimenters who provided material for the Stanford contest (see Coles and Hirst 1968) attempted measurements beyond separation. The primary reason was that the best instrument available at the time (the conventional hot-wire probe) has limited directional response and rectifies the velocity signal in regions of intermittently reversed flow.

The nearest equivalent to the experiment reported here is the recent work by Seetharam and Wentz (1977). The two experiments may seem at first to be very similar. Both deal with flow past an airfoil at high angle of attack at about the same Mach number and Reynolds number. Both include data in the wake to about one chord length downstream of the trailing edge. Both airfoils had an aspect ratio of order two and were mounted between plane parallel side walls in a compound test section. However, the two experiments are completely different in attack and execution. Seetharam and Wentz used only pressure instrumentation and it is difficult to estimate the reliability of their data. In particular, our experience has been that it is not easy to establish a satisfactory flow. Our flow was highly three-dimensional in the absence of effective flow control, and was grossly unsteady at angles of incidence beyond the angle for maximum lift.

2.0 APPARATUS AND INSTRUMENTATION

2.1 Flying Hot Wire

The experimental technique developed for the present study utilizes hot wires mounted on the ends of a whirling arm. Rectification of the hot-wire signal and probe interference effects, both of which are caused by flow reversal, are

eliminated by biasing the velocity of the flow encountered by the hot-wire probe. In practice, the tip speed of the rotor is made large enough so that the direction of the relative flow at the probe (a standard commercial X-array) is always within the useful range of $\pm$ 30 degrees to the probe axis. The flying-hot-wire technique is discussed at length in a separate report on instrumentation (Coles, Cantwell, and Wadcock 1977).

2.2 Wind Tunnel

Figure 1 shows the flying-hot-wire apparatus and the airfoil model in the GALCIT 10-foot diameter wind tunnel. The horizontal traversing mechanism below the tunnel is a lathe bed and carriage. It has a horizontal range of 110 cm and a resolution of 0.01 cm. The vertical traverse is a milling-machine slide. It has a range of 36 inches and a resolution of 0.001 inch. Figure 2 shows the false wall locations and the position of the roof-mounted pitot-static tube which measures a reference dynamic pressure Q_{ref}. This dynamic pressure Q_{ref} and the associated velocity q_{ref} are used as reference quantities for nondimensionalization of measured pressures and velocities, respectively, throughout this report.

2.3 Airfoil Model

The NACA 4412 airfoil is defined analytically by formulas published by Jacobs, Ward and Pinkerton (1933), by Abbott and von Doenhoff (1949), and others. Wadcock (1978) details the measurements used to define the location of the upper surface of the model including the small but measurable departures from the analytical shape. The real wall position is documented in Table 1.

3.0 EXPERIMENTAL MEASUREMENTS

3.1 Test Conditions

The standard operating conditions were as follows:

α = 13.87 degrees
q_{ref} = 27.13 m/sec
ν = 0.1605 cm^2/sec
c = 90.12 cm
Re_c = 1,523,000

3.2 Surface Pressure Measurements

Figure 3 shows the surface pressure distribution around the airfoil for the test conditions listed in Section 3.1. This data is also listed in Table 2. Blockage corrections have not been applied. Details concerning the flow control required to obtain the excellent spanwise two-dimensionality illustrated by the pressure data shown in Figure 3 can be found in Wadcock (1978).

3.3 Flying-Hot-Wire Measurements

3.3.1 Raw Data

Stored hot-wire data are identified by file (i.e., rotor hub position), by frame (i.e., position along the circular path taken by the hot wire) and by probe (since two X-arrays were mounted on the arm, one at each end of the rotor). The probe angular position for frame n, measured in degrees from the vertical, is denoted by ϕ in Figure 4.

$$\phi_n = \phi_1 + \frac{360}{256}(n - 1)$$

where

$$\phi_1 = -82.82 \text{ degrees}$$

The radii of the two arms were as follows:

$$R_1 = 75.748 \text{ cm}$$

$$R_2 = 75.684 \text{ cm}$$

where the subscripts identify the arm. From Figure 4 the probe position $(\bar{x},\bar{y})$ in traverse coordinates is

$$\bar{x} = X - R \sin \phi$$

$$\bar{y} = Y + R \cos \phi$$

The probe position in airfoil coordinates (x,y) follows from

$$x = 20.86 + \bar{x} \cos \alpha + \bar{y} \sin \alpha$$

$$y = 96.59 + \bar{x} \sin \alpha - \bar{y} \cos \alpha$$

There are 85 data files, all of which are listed in sequence in Table 3. Of these, 76 are distinct. The others (marked by parentheses in the table) are duplicates, mostly benchmark (calibration) files.

The usable portion of each arc begins at frame 35 (to avoid wake interference from passage of the previous arm through the flow) and ends at frame 120 (to avoid large relative flow angles). Each file consists of 2048 revolutions. The inversion process thus yielded a population of 2048 samples for each frame (i.e., each probe position, ϕ_n, n = 35 to 120) and each probe. Only the mean velocity vector and the double, triple, and quadruple products of fluctuations were saved.

The results are preserved in tunnel coordinates $(\bar{x},\bar{y})$ on 14,620 punched cards as "Raw Data". A few of the cards for the last benchmark file are listed in Table 4 to show the format. The cards may be read with the aid of Table 6, which interprets one card quantitatively. All velocities are normalized with q_{ref} (the velocity measured by the roof-mounted pitot-static tube; see Figure 2), and all velocity components are resolved in tunnel coordinates; i.e., as $\bar{u}$, $\bar{v}$ in the notation of Figure 4.

3.3.2 Processed Data

The "raw data" described above is defined at points which are closely spaced from the point of view of an experimenter but which might be considered sparce and awkwardly placed from the point of view of a numerical analyst. Further processing was therefore performed in order to redefine the data on a rectangular grid which is sufficiently fine to satisfy the analyst without driving the data beyond their real accuracy. The rectangular grid used for the processed data is aligned with the airfoil chord. The method of interpolation and smoothing is detailed by Wadcock (1978).

The mesh size is 1 cm in the chordwise direction and 0.2 cm in the cross-flow direction. Integer grid indices for the mesh, IX and IY, are related to the coordinates x and y of Figure 4 by

$$IX = 1 + (x - 6.86)$$

$$IY = 1 + 5(y + 12.41)$$

where x and y are in centimeters. IX ranges from 1 to 175 and IY from 1 to 296. The outline of the corresponding rectangle, 174 cm by 59 cm is shown superposed on the airfoil and on the probe arcs in Figure 5.

The final results are available on punched cards, in which form they are identified as "Processed Data". All velocities are normalized with q_{ref} (as for "raw data") and all velocity components are now resolved in airfoil coordinates; i.e., as u, v in the notation of Figure 4. A few of the cards are listed in Table 5, and interpreted in Table 6, to show the format.

A zero on the punched card for any variable represents a true zero value; the "no data" condition is represented by filling the field of the variable with nines (i.e., if the variable IU takes the value 99999 then there is no data for $\langle u \rangle/(q_{ref})$ at that mesh point).

The processed data consists of 29,195 punched cards. In order to make the data more readily accessible, disk files have also been created for both the raw data and the processed data on the Ames IBM 360 computer.

4.0 PRESENTATION OF RESULTS

Contour plots of the final processed data are presented in Figures 6 through 10 for the intermittency, mean velocity components u, v and products of their fluctuations.

A more detailed picture of the flow structure is revealed by the three-dimensional plots shown in Figures 11 through 15. Three-dimensional views are provided for the intermittency, both mean velocity components and all three Reynolds stresses. Where necessary, two views of the same variable are presented.

Appendix 1 provides a partial listing of the processed data at selected x-stations.

Appendix 2 provides all the information necessary to access either the raw data or the processed data files and an example is given on how to produce one of the above three-dimensional figures.

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1. Abbott, I.H. and von Doenhoff, A.E., "Theory of Wing Sections," McGraw-Hill 1949 (reprinted, Dover, 1959)

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5. Wadcock, A.J., "Flying-Hot-Wire Study of Two-Dimensional Turbulent Separation on an NACA 4412 Airfoil at Maximum Lift," Ph.D. Thesis, California Institute of Technology, Pasadena, 1978

6. Seetharam, H.E. and Wentz, W.H., Jr., "Experimental Investigation of Subsonic Turbulent Separated Boundary Layers on an Airfoil," J. Aircraft 14, 51-55, 1977

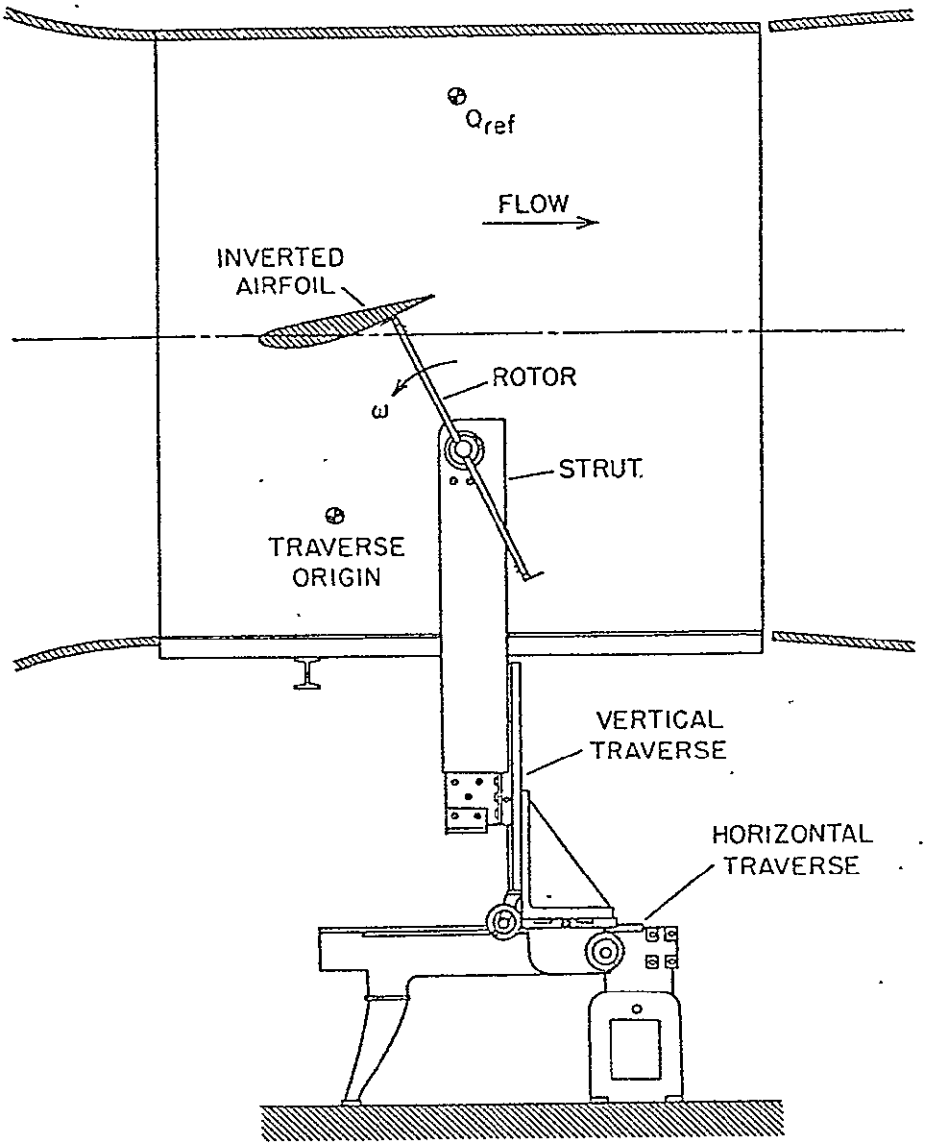

Figure 1. Side view of flying-hot-wire apparatus and traverse in test section of GALCIT 10-foot wind tunnel. Flow is from left to right; rotor rotates counter-clockwise.

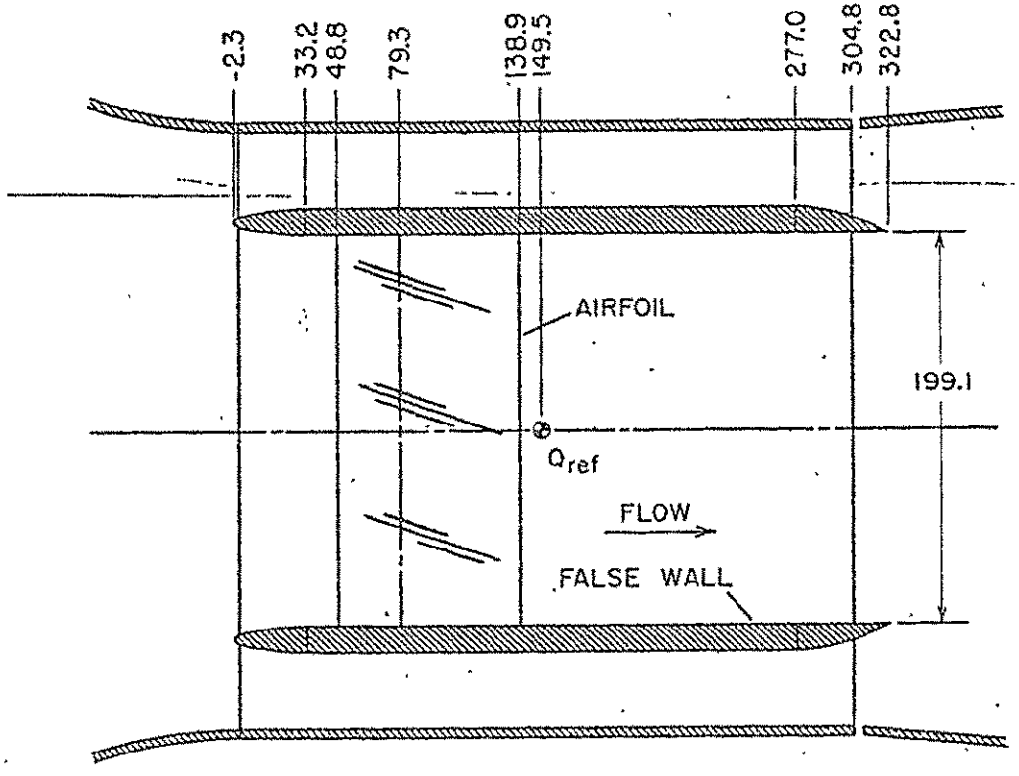

Figure 2. Plan view of test section showing location of false walls, airfoil, and roof-mounted pitot-static tube. Dimensions are in centimeters. Stations are measured from entrance plane of test section.

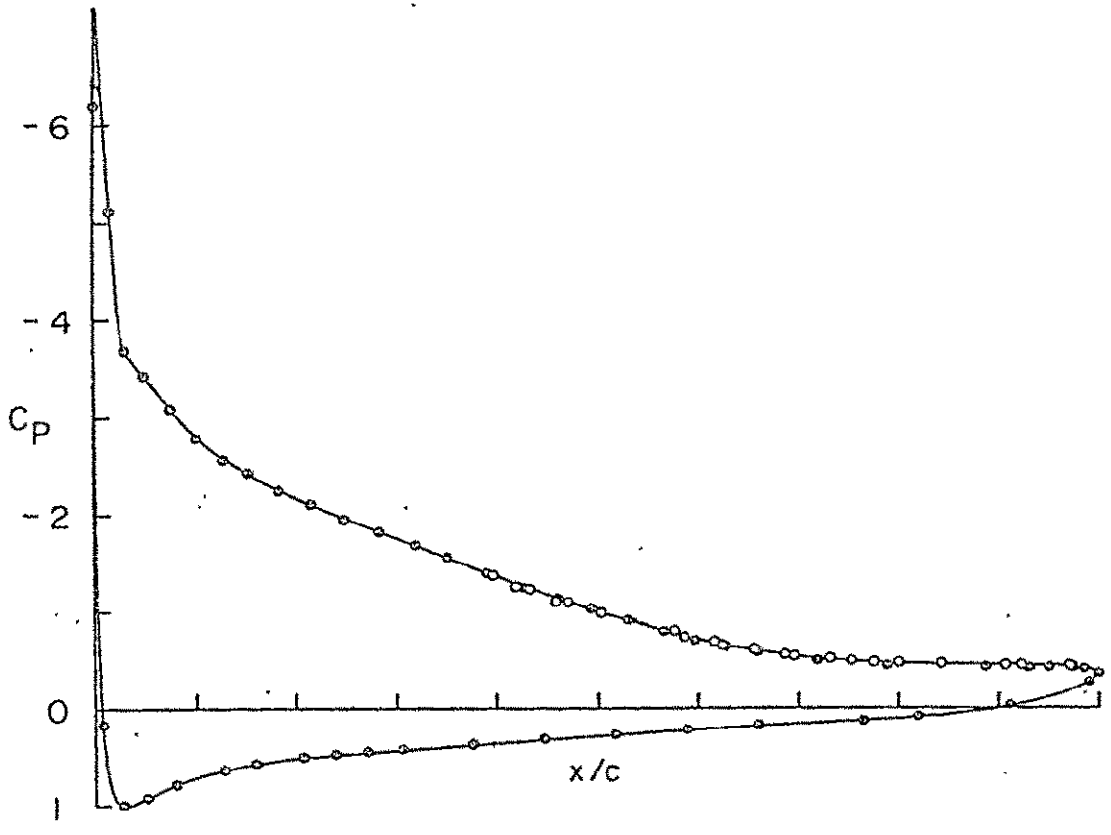

Figure 3 . Surface-pressure distribution at 14 degrees angle of incidence, with flow guides in optimum position (Run 87). Solid symbols: data at midspan. Open symbols: data at $\frac{1}{4}$- and $\frac{3}{4}$-span.

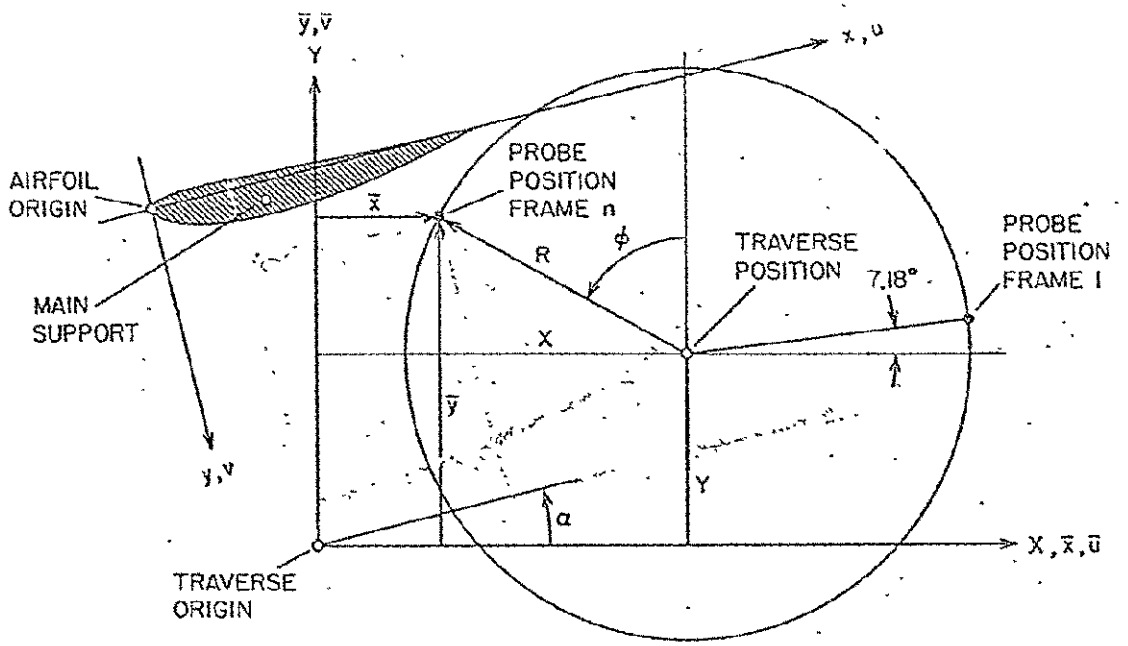

Figure 4. Coordinate systems used for data analysis and presentation.

(X, Y) Define position of rotor hub, i.e., displacement of traverse system from its origin, with Y increasing upward.

$(\bar{x}, \bar{y})$ Give probe position in same system; corresponding velocity components are $(\bar{u}, \bar{v})$.

(x, y) Define probe position relative to leading edge of airfoil. Axes are normal and parallel to the airfoil chord; corresponding velocity components are (u, v).

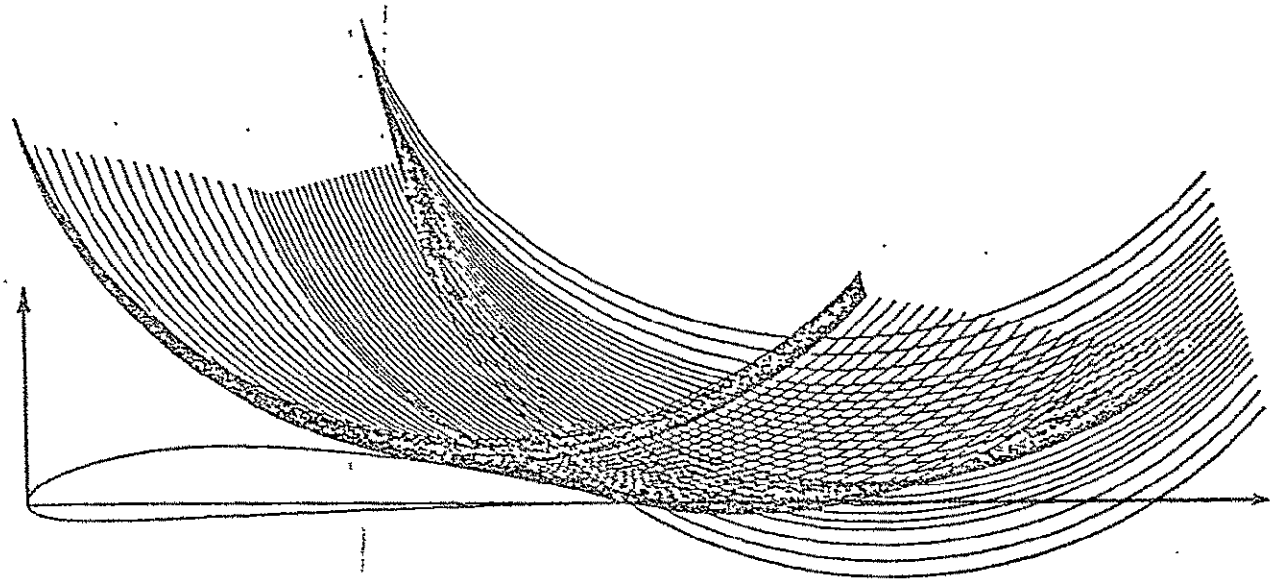

Figure 5(a). Location of probe trajectories for main experiments. Arcs extend from frame 35 to frame 120.

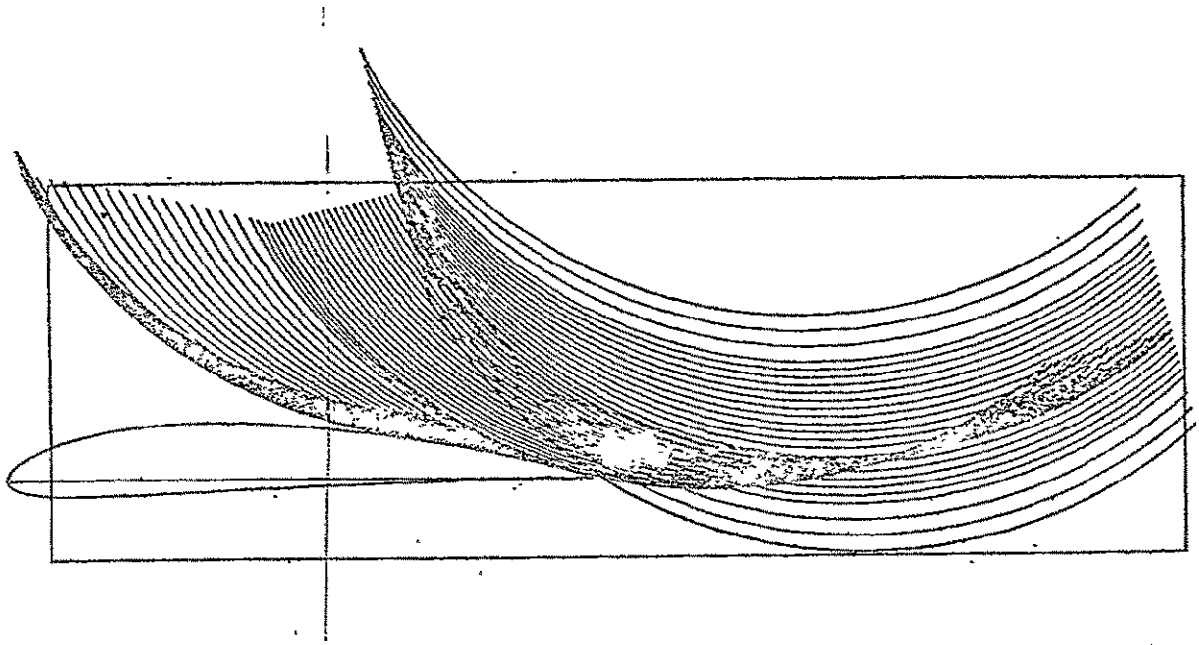

Figure 5(b). Probe trajectories for main experiments after downstream portion of grazing and boundary layer traverses have been deleted. Arcs extend from frame 40 to frame 115. Large rectangle shows maximum extent of grid used for processed data.

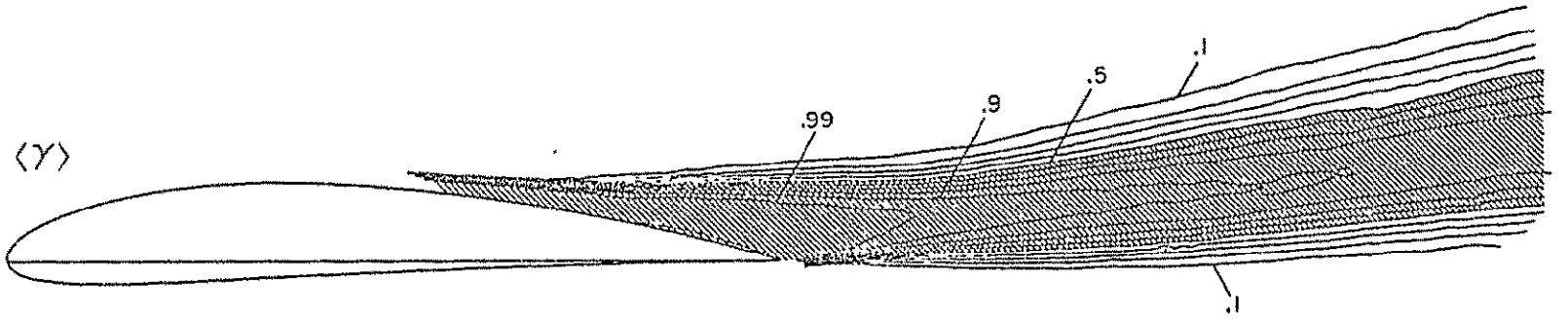

Figure 6 . Contour plot for intermittency factor <γ> from final processed data. Contour interval 0.1.

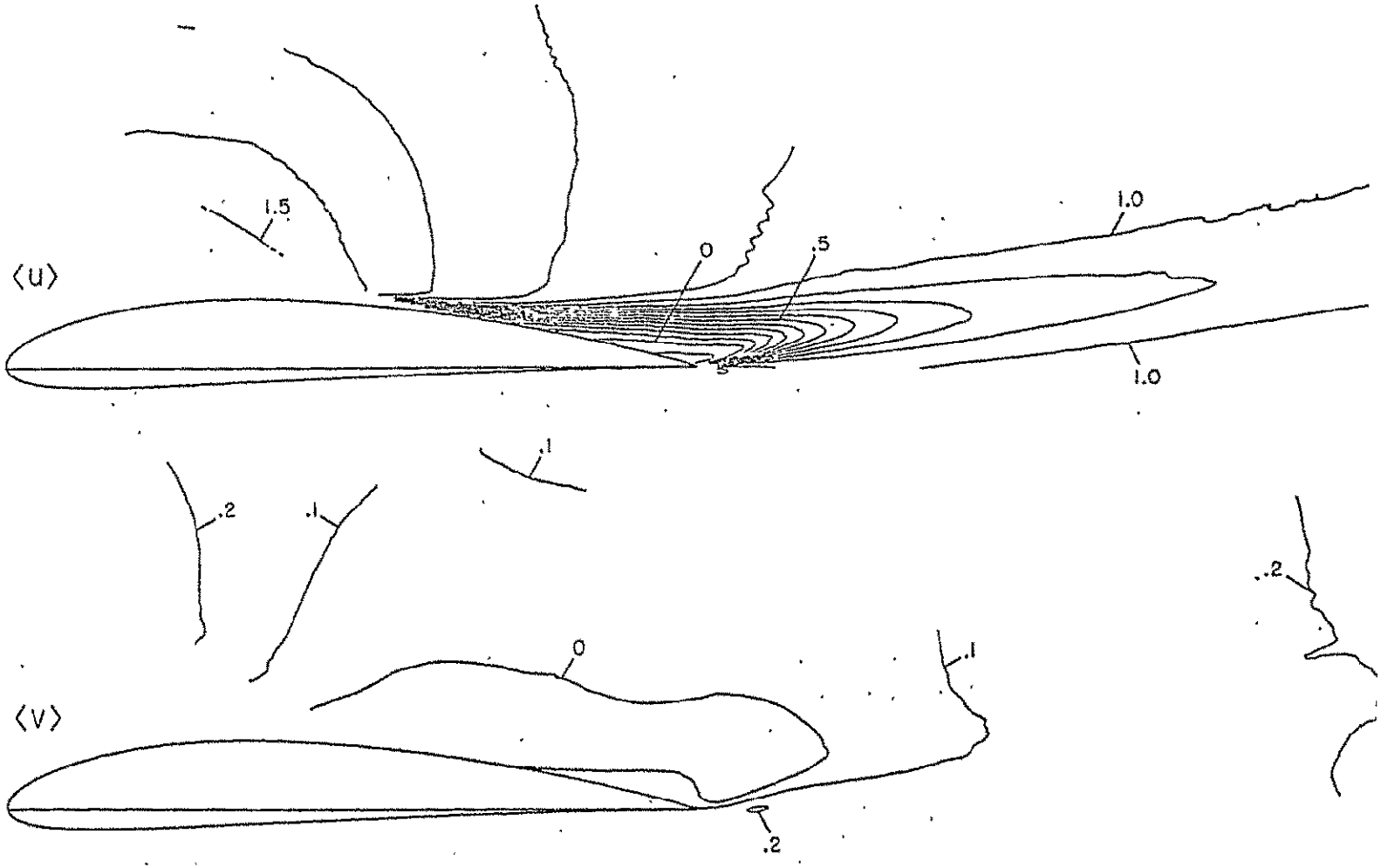

Figure 7 . Contour plots for dimensionless mean-velocity components from final processed data. Contour intervals: $\langle u \rangle / (q_{ref})$; 0.1
$\langle v \rangle / (q_{ref})$; 0.1

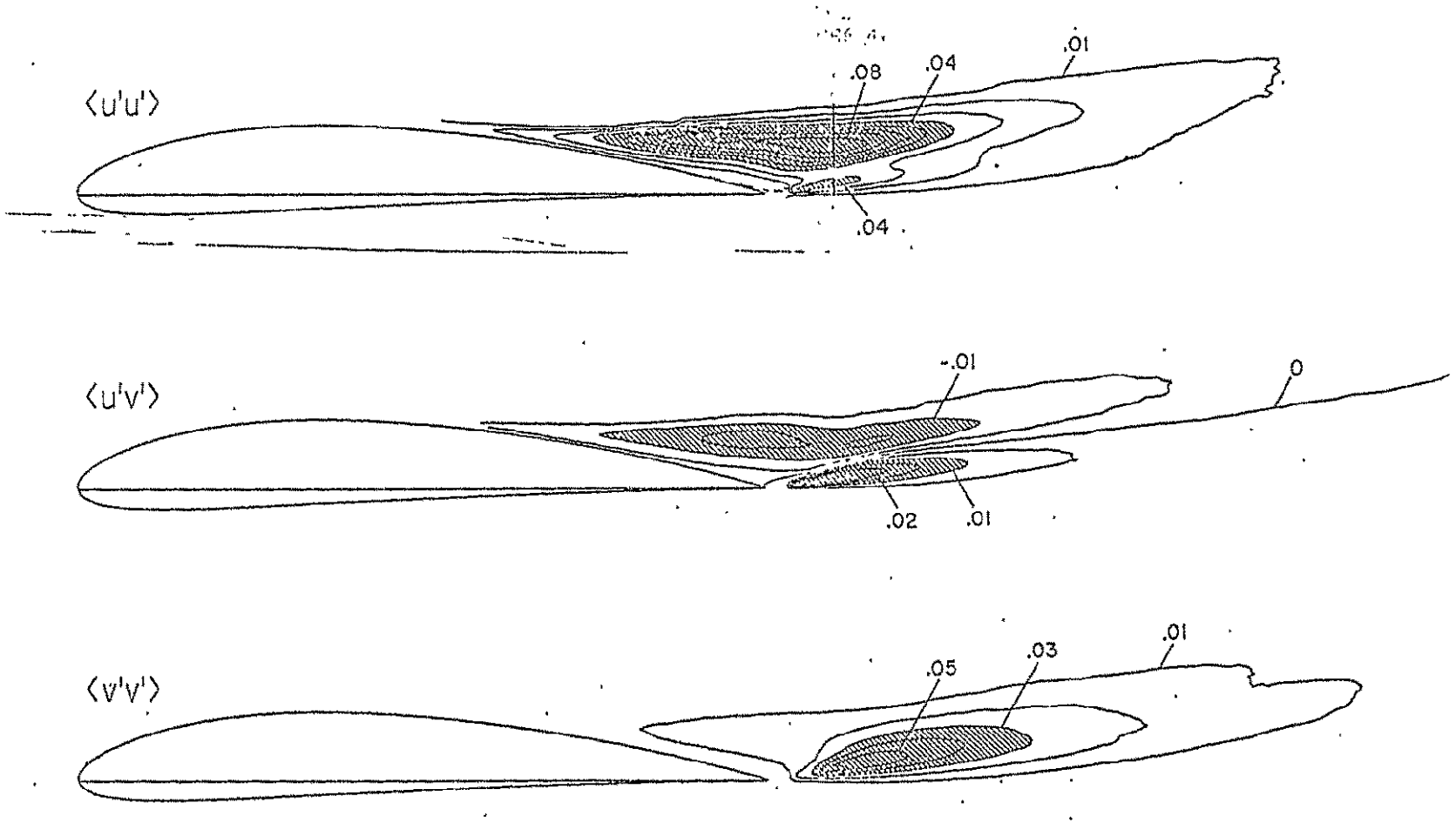

Figure 8 . Contour plots for dimensionless double correlations from final processed data. Contour intervals: $\langle u'u' \rangle / (q_{ref})^2$; 0.010
$\langle u'v' \rangle / (q_{ref})^2$; 0.005
$\langle v'v' \rangle / (q_{ref})^2$; 0.010

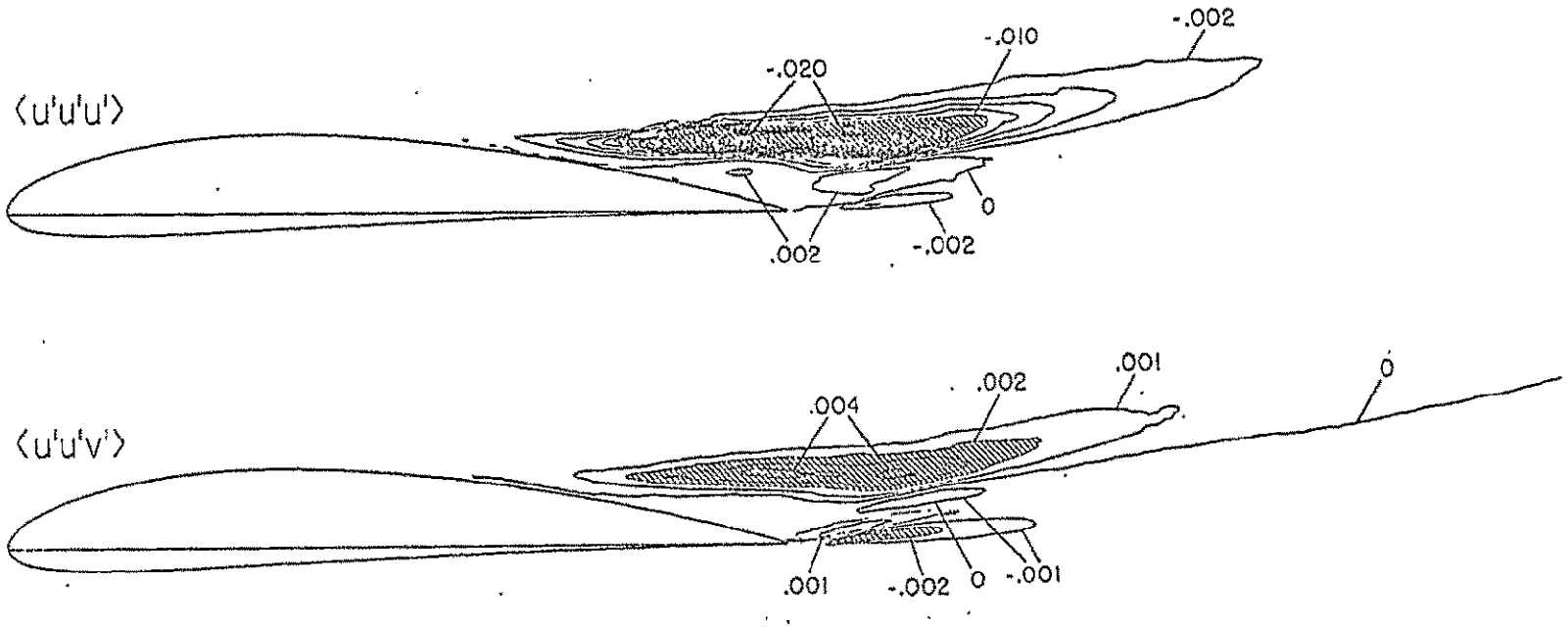

Figure 9. Contour plots for dimensionless triple correlations from final processed data. Contour intervals: $\langle u'u'u' \rangle / (q_{ref})^3$; 0.002
$\langle u'u'v' \rangle / (q_{ref})^3$; 0.001
$\langle u'v'v' \rangle / (q_{ref})^3$; 0.001
$\langle v'v'v' \rangle / (q_{ref})^3$; 0.001

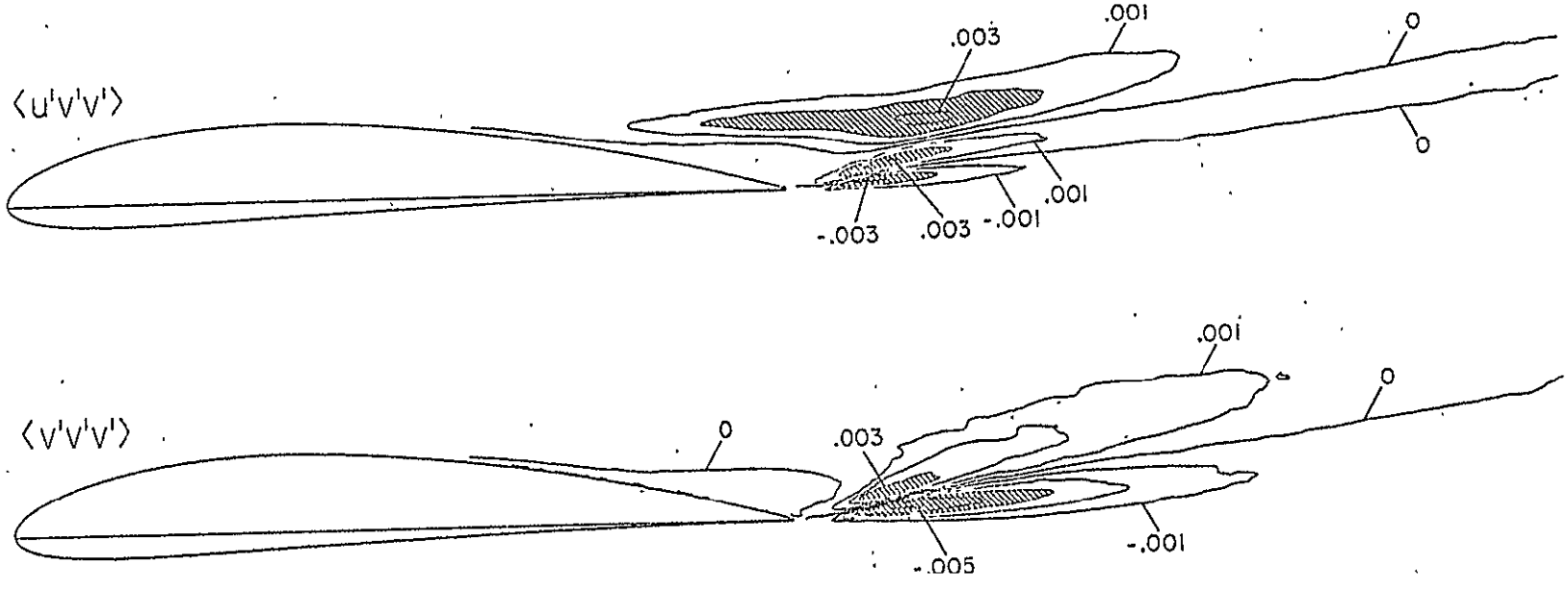

Figure 9. (continued)

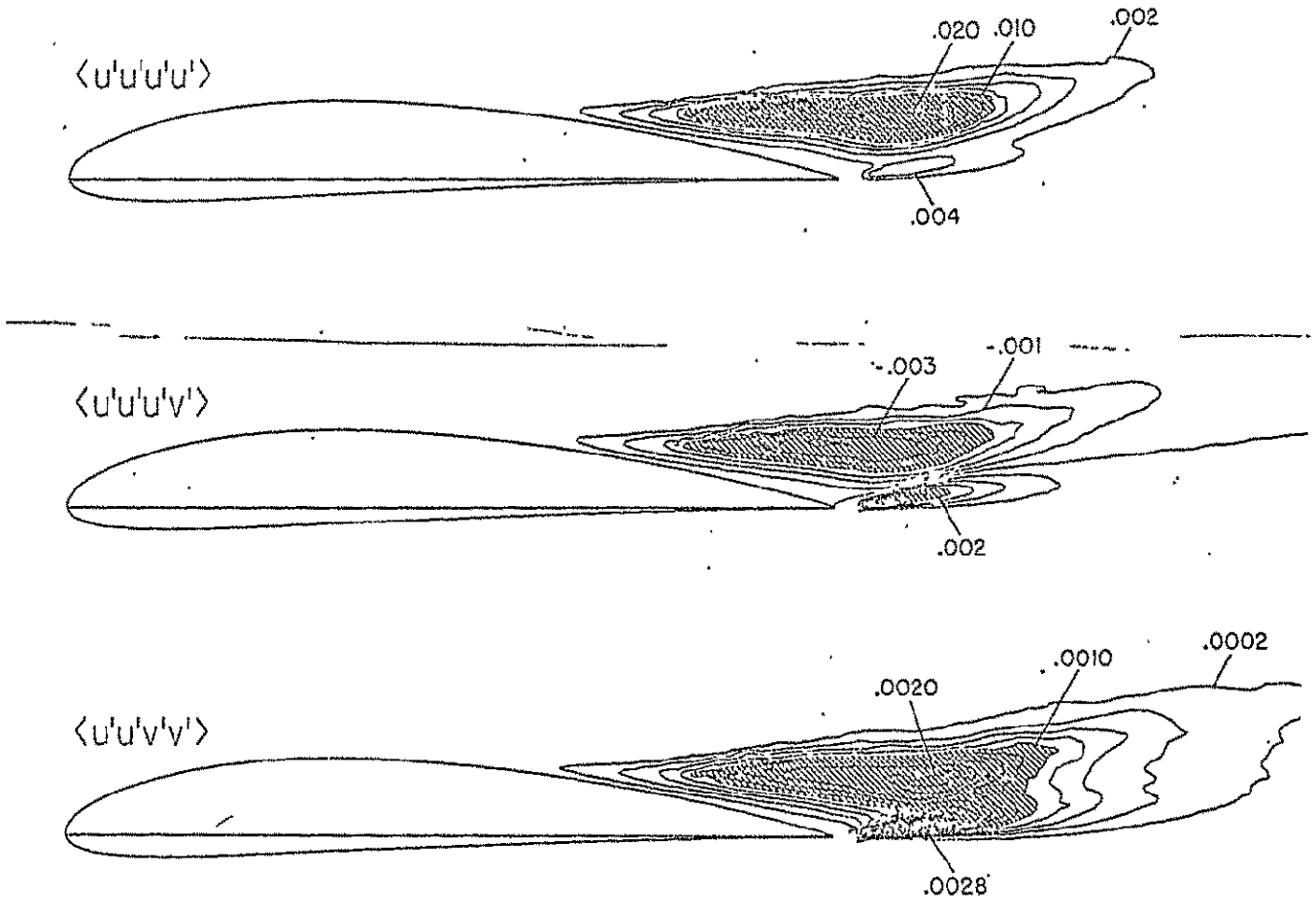

Figure 10. Contour plots for dimensionless quadruple correlations from final processed data. Contour intervals: $\langle u'u'u'u' \rangle / (q_{ref})^4$; 0.0020
$\langle u'u'u'v' \rangle / (q_{ref})^4$; 0.0005
$\langle u'u'v'v' \rangle / (q_{ref})^4$; 0.0002
$\langle u'v'v'v' \rangle / (q_{ref})^4$; 0.0005
$\langle v'v'v'v' \rangle / (q_{ref})^4$; 0.0005

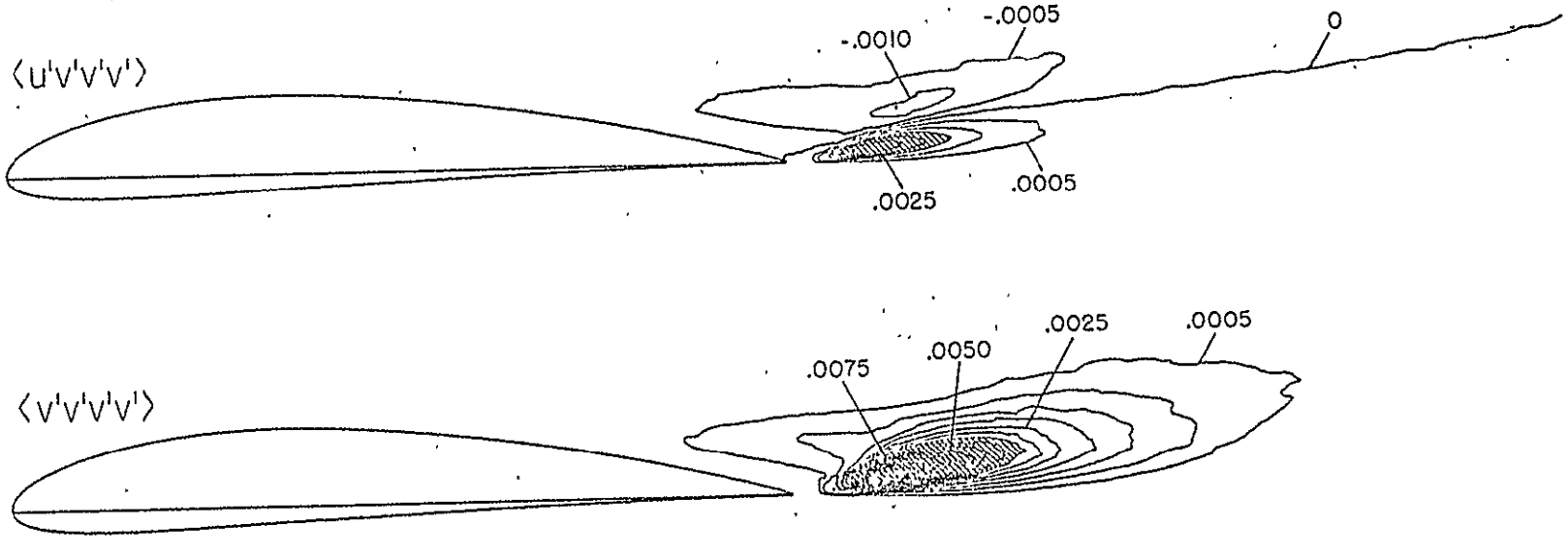

Figure 10. (continued) .

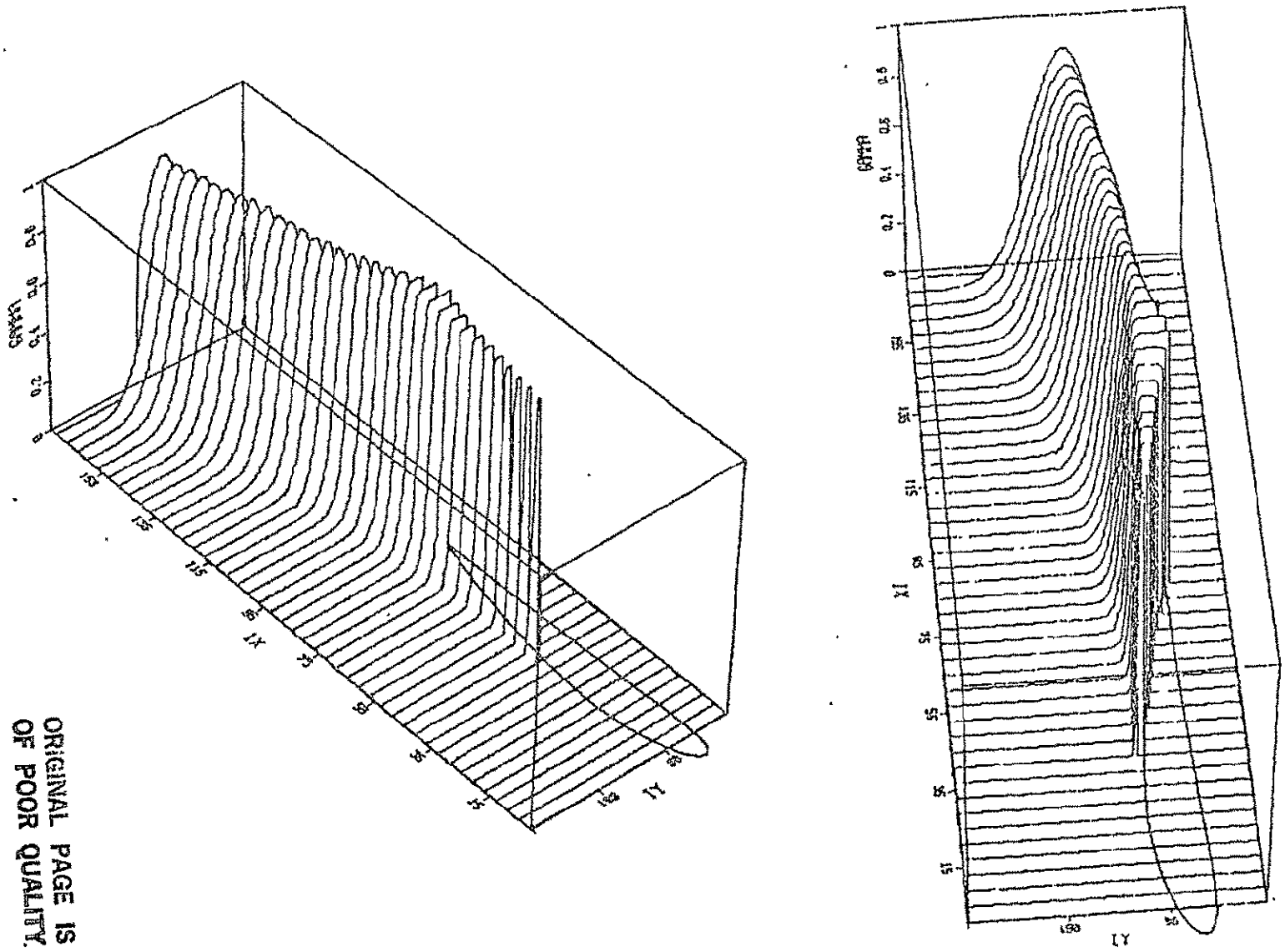

Figure 11. 3-D plots for intermittency factor <Y> from final processed data.

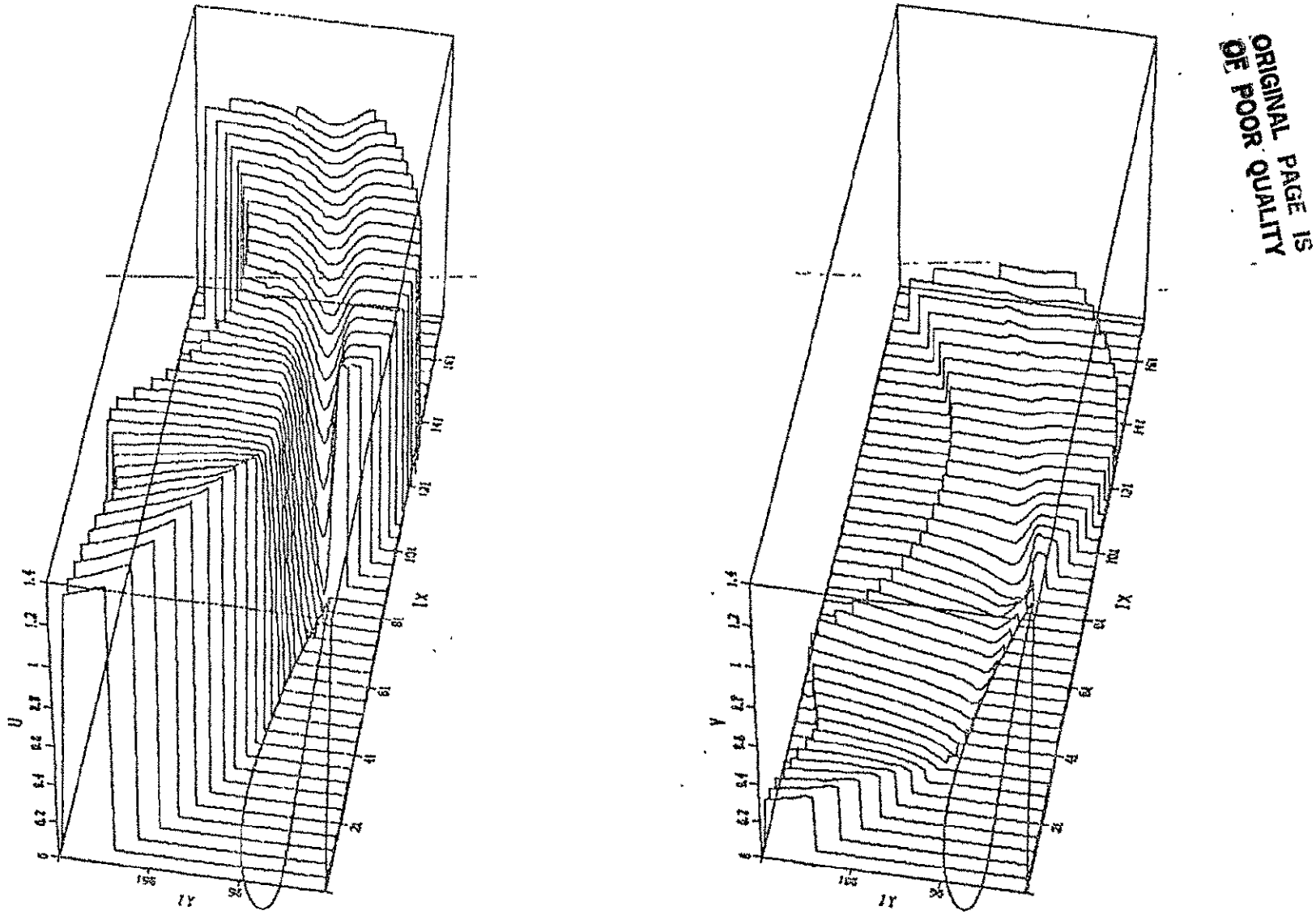

Figure 12. 3-D plots for dimensionless mean-velocity components $\langle u \rangle / (q_{ref})$ and $\langle v \rangle / (q_{ref})$ from final processed data.

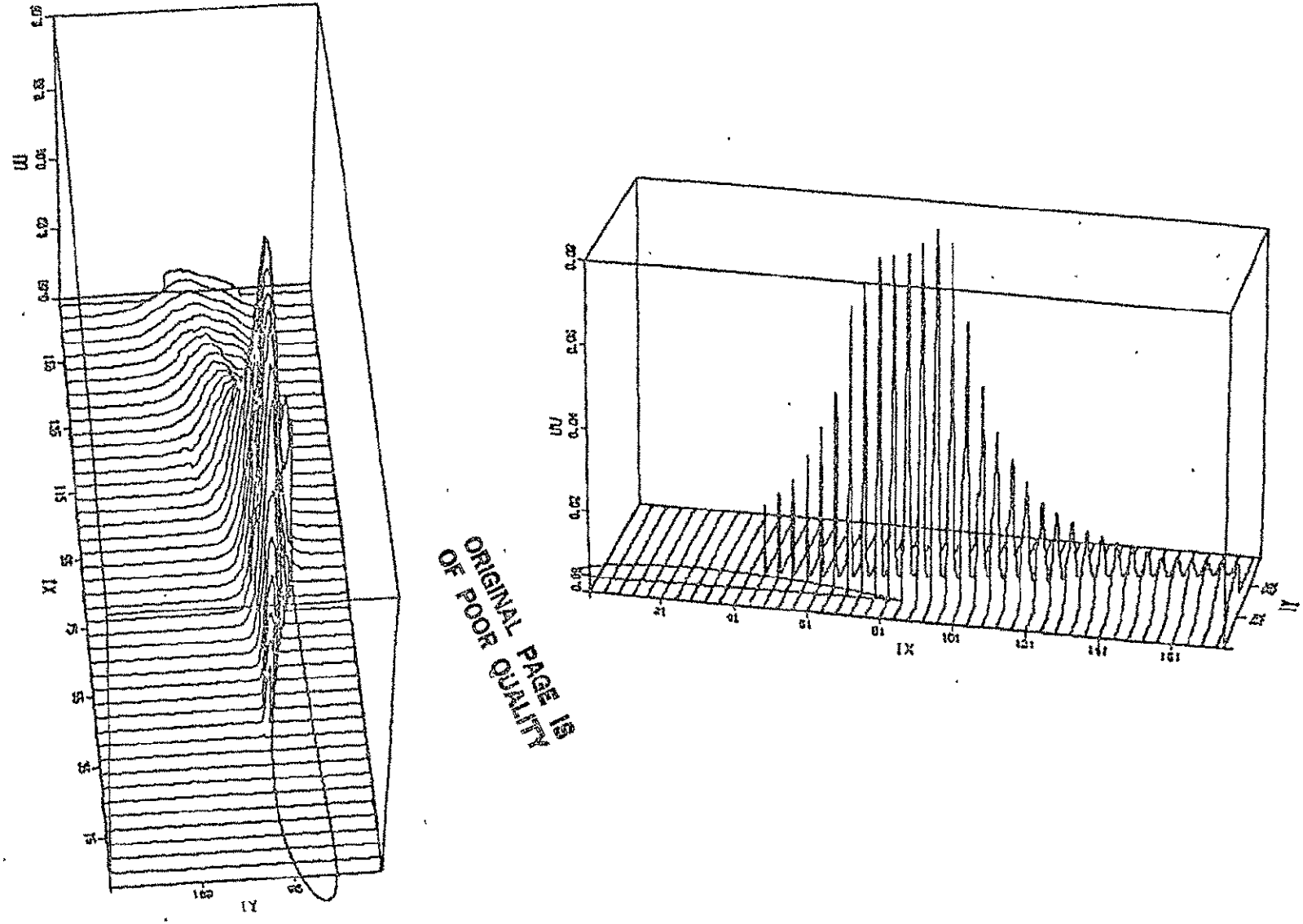

Figure 13. 3-D plots of dimensionless double correlation $\langle u'u' \rangle / (q_{ref})^2$ from final processed data.

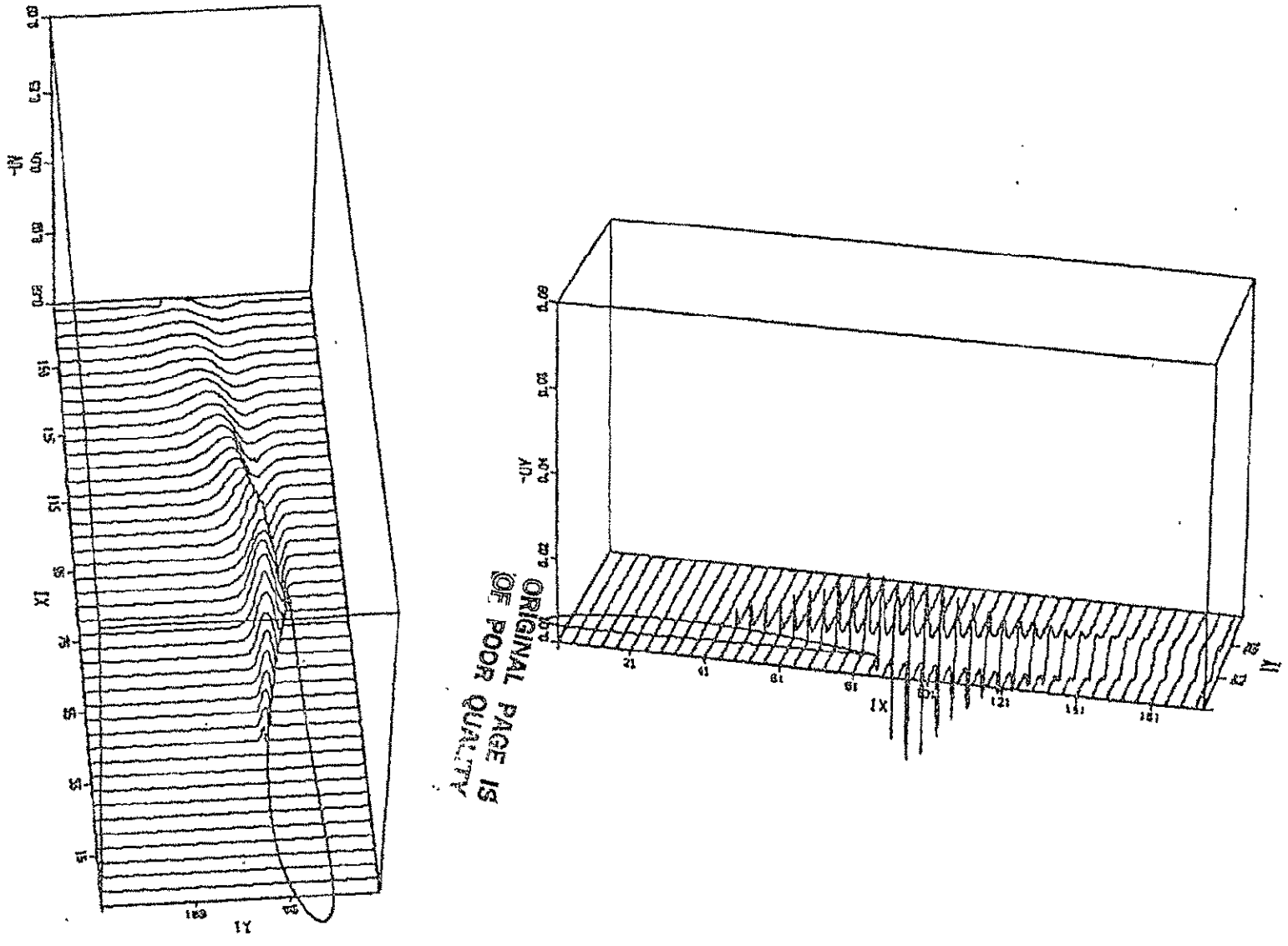

Figure 14. 3-D plots of dimensionless double correlation $-\langle u'v' \rangle / (q_{ref})^2$ from final processed data.

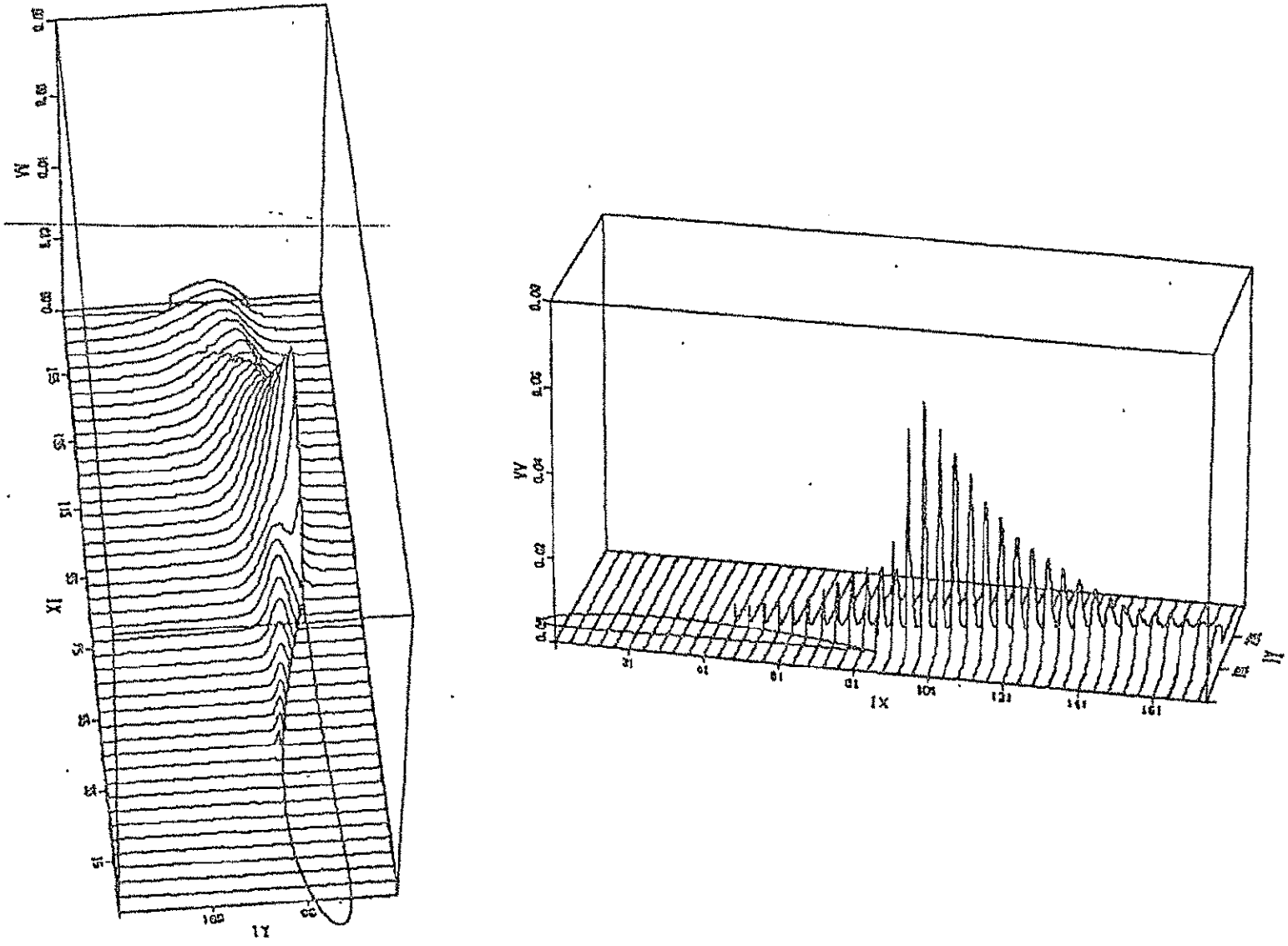

Figure 15. 3-D plots of dimensionless double correlation $\langle v'v' \rangle / (q_{ref})^2$ from final processed data.

TABLE 1

LOCATION OF MODEL SURFACE

IX	x cm	y cm
50	55.86	7.102
51	56.86	6.966
52	57.86	6.826
53	58.86	6.682
54	59.86	6.535
55	60.86	6.384
56	61.86	6.228
57	62.86	6.068
58	63.86	5.905
59	64.86	5.737
60	65.86	5.565
61	66.86	5.390
62	67.86	5.211
63	68.86	5.028
64	69.86	4.842
65	70.86	4.652
66	71.86	4.458
67	72.86	4.258
68	73.86	4.052
69	74.86	3.843
70	75.86	3.629
71	76.86	3.410
72	77.86	3.185
73	78.86	2.958
74	79.86	2.726
75	80.86	2.490
76	81.86	2.250
77	82.86	2.005
78	83.86	1.757
79	84.86	1.503
80	85.86	1.249
81	86.86	0.990
82	87.86	0.728
83	88.86	0.460
84	89.86	0.188
T.E.	90.12	--

Note: Model chord, c = 90.12 cm

TABLE 2

SURFACE-PRESSURE DISTRIBUTION AT MIDSPAN

100 x/c	100 y/c	C_p	100 x/c	100 y/c	C_p
100.00	-0.02	-0.352	59.71	8.18	-0.702
99.14	-0.13	-0.259	62.83	7.77	-0.630
91.18	-0.20	-0.022	65.90	7.33	-0.574
81.87	-0.35	0.089	69.13	6.84	*
76.47	-0.47	0.126	71.98	6.37	-0.493
65.96	-0.78	0.187	74.27	5.97	*
58.76	-1.04	0.234	78.93	5.09	-0.444
51.66	-1.33	0.280	83.77	4.10	*
44.56	-1.65	0.321	88.78	2.99	-0.407
37.64	-1.90	0.367	93.07	1.95	-0.408
30.64	-2.23	0.419	95.09	1.44	-0.406
27.08	-2.41	0.451	97.41	0.83	-0.402
23.94	-2.56	0.478	98.56	0.52	-0.397
20.74	-2.70	0.509	100.00	-0.02	-0.353
15.96	-2.86	0.572			
12.80	-2.90	0.637			
8.10	-2.78	0.789			
5.06	-2.49	0.921			
2.83	-2.04	0.990			
0.82	-1.16	0.168			
-0.03	0.31	-6.209			
1.45	2.62	-5.121			
2.96	3.67	-3.680			
4.89	4.68	-3.409			
7.52	5.77	-3.078			
10.09	6.63	-2.770			
12.83	7.38	-2.559			
15.24	7.94	-2.423			
18.32	8.53	-2.237			
21.45	9.00	-2.096			
24.82	9.39	-1.949			
28.27	9.66	-1.819			
31.89	9.83	-1.680			
35.08	9.88	-1.556			
38.99	9.84	-1.395			
42.51	9.69	-1.254			
46.02	9.49	-1.133			
49.41	9.24	-1.017			
52.97	8.92	-0.898			
56.63	8.54	-0.792			

* Intermittent leak in pressure-scanning valve

TABLE 3

SUMMARY OF TAPE FILES FOR MAIN EXPERIMENTS

File No.	Time (min)	X (cm)	Y (in.)	First frame	Remarks
1	0	75	16.016	79	
2	10	100	23.000	40	Benchmark
3	22	80	17.084	40	
4	29	81	17.084	40	
5	39	82	17.084	40	
6	47	83	17.084	40	
7	54	84	17.084	40	
8	63	85	17.084	40	
9	70	86	17.084	40	
10	79	87	17.084	40	
11	87	88	17.084	40	
12.	94	89	17.084	40	
(13)	105	100	23.000	40	Benchmark
14	114	90	17.084	40	
15	148	91	17.084	40	
16	155	92	17.084	40	
17	162	93	17.084	40	
18	169	94	17.084	40	
19	176	95	17.084	40	
20	182	96	17.084	40	
21	189	97	17.084	40	
22	195	98	17.084	40	
23	201	99	17.084	40	
24	209	100	17.084	40	
(25)	216	100	23.000	40	Benchmark
26	224	100	22.000	40	
27	230	100	21.000	40	
28	236	100	20.000	40	
29	243	100	19.000	40	
30	249	100	18.000	40	
31	260	100	17.000	40	
32	267	100	16.000	40	
33	273	100	15.000	40	
34	280	100	14.000	40	
35	286	100	13.000	40	
36	292	100	12.000	40	
(37)	302	100	23.000	40	Benchmark
38	310	100	11.000	40	
39	317	100	10.000	40	
40	323	100	9.000	40	
41	330	100	8.000	40	
42	336	100	11.500	40	
43	343	100	12.500	40	
44	350	100	13.500	40	

TABLE 3 (continued)

File No.	Time (min)	X (cm)	Y (in.)	First frame	Remarks
45	356	100	14.500	40	
46	364	100	15.500	40	
47	382	100	16.500	40	
48	388	100	17.500	40	
49	395	100	18.500	40	
50	403	100	19.500	40	
(51)	412	100	23.000	40	Benchmark
(52)	423	80	17.084	40	Repeat of file 3
53	432	79	16.870	80	Error in tunnel temperature at revolution 1954
54	441	78	16.655	80	
55	453	77	16.441	80	
(56)	463	75	16.016	79	Repeat of file 1
57	471	73	15.596	78	
58	482	71	15.184	78	
59	494	69	14.780	77	
60	504	67	14.381	76	Followed by tunnel shutdown
(61)	550	67	14.381	76	Repeat of file 60; discontinuity for wire L-0 at rev 207; parity error in record 253
62	559	65	13.989	75	
63	573	63	13.605	75	
(64)	585	100	23.000	40	Benchmark
65	596	61	13.228	74	
66	607	59	12.858	73	
67	616	57	12.495	73	
68	626	55	12.139	72	
69	635	53	11.788	71	
70	643	51	11.443	70	
71	652	49	11.103	70	
72	661	47	10.770	69	
73	669	45	10.443	68	
74	677	45	10.343	68	
75	684	45	10.243	69	
76	690	45	10.143	69	
77	696	45	10.000	69	
78	702	45	9.850	69	
79	715	45	9.700	70	
80	722	45	9.550	70	
81	728	45	9.400	70	
82	735	45	9.250	70	
83	740	45	9.100	71	
84	747	45	8.900	71	
(85)	758	100	23.000	40	Benchmark

TABLE 4

PARTIAL LISTING OF RAW DATA

1 File	2 Frame	3 Arm	4 Turbulent counts	5 Outside of calibration	6 Mean velocity components	7	8 Reynolds Stresses	9	10	11 3rd moments of fluctuating velocities	12	13	14	15 4th moments of fluctuating velocities	16	17	18	19
85	88	1	0	0	10030	666	35	-11	38	0	0	0	0	0	0	0	0	0
85	89	1	0	0	10175	686	40	-12	41	0	0	0	0	0	0	0	0	0
85	90	1	1	0	10375	733	46	-10	44	0	0	0	0	0	0	0	0	0
85	91	1	1	0	10626	865	43	-8	49	0	0	0	0	0	0	0	0	0
85	92	1	0	0	10913	1133	65	-11	49	-1	0	0	0	0	0	0	0	0
85	93	1	2046	0	1272	243	1787	-133	381	105	-14	2	-1	114	-8	9	-2	6
85	94	1	1974	0	-1464	-717	1048	235	565	27	15	16	23	37	11	10	6	14
85	95	1	2035	0	-954	-734	1459	545	875	66	49	44	57	72	31	25	20	31
85	96	1	2040	0	-68	-441	2175	979	1284	143	88	60	79	163	69	52	44	60
85	97	1	2043	0	1086	-13	3056	1432	1758	187	112	79	87	282	133	96	78	101
85	98	1	2045	0	2752	641	4981	2259	2324	167	77	24	29	669	298	181	126	145
85	99	1	2047	0	5340	1458	7262	3005	2531	-572	-273	-221	-149	1320	550	311	191	177
85	100	1	2016	0	8261	2184	7087	2679	1944	-2071	-808	-489	-322	1825	710	379	211	157
85	101	1	1497	0	10387	2690	2444	878	728	-1119	-411	-239	-153	745	273	147	88	65
85	102	1	518	0	11035	2785	334	121	211	-163	-81	-52	-39	119	60	34	21	16
85	103	1	89	0	11165	2771	87	-1	81	-26	-7	-2	-5	18	4	1	1	1
85	104	1	11	0	11209	2748	29	-13	57	0	0	0	-1	0	0	0	0	0
85	105	1	2	0	11274	2722	21	-12	50	0	0	0	-1	0	0	0	0	0
85	106	1	0	0	11322	2697	17	-10	45	0	0	0	0	0	0	0	0	0
85	107	1	0	0	11386	2676	15	-9	44	0	0	0	0	0	0	0	0	0
85	108	1	0	0	11456	2657	15	-9	43	0	0	0	0	0	0	0	0	0

TABLE 5

PARTIAL LISTING OF PROCESSED DATA

			Mean velocity components		Reynolds Stresses			3rd moments of fluctuating velocities				4th moments of fluctuating velocities				
IX	IY	Intermittency														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
60	91	9948	622	2	1463	-238	78	14	-3	10	5	53	-13	1	-1	0
60	92	9978	2132	-67	1905	-408	276	-28	-1	3	-3	107	-25	9	-4	3
60	93	9992	2732	-149	2326	-546	431	-58	1	5	-5	166	-39	17	-7	6
60	94	9996	3384	-239	2709	-660	541	-80	5	3	-5	227	-54	24	-11	9
60	95	9997	4085	-315	3023	-752	617	-105	10	-1	-3	284	-68	30	-14	12
60	96	9997	4806	-388	3306	-821	673	-167	25	-7	0	334	-78	35	-15	14
60	97	9996	5585	-464	3458	-868	705	-227	40	-15	4	399	-87	38	-17	15
60	98	9995	6359	-509	3573	-889	716	-319	56	-25	9	445	-96	41	-19	16
60	99	10000	7157	-552	3611	-889	700	-387	76	-34	14	486	-106	44	-19	16
60	100	10000	8034	-591	3607	-863	665	-445	85	-43	18	501	-104	42	-19	15
60	101	9967	8873	-636	3359	-809	607	-476	97	-46	21	470	-103	41	-17	13
60	102	9768	9635	-672	3061	-708	532	-489	103	-47	22	413	-91	36	-15	12
60	103	9132	10355	-701	2576	-602	453	-463	102	-47	23	340	-75	28	-11	9
60	104	7867	10921	-730	2004	-473	365	-408	99	-43	21	278	-61	24	-9	7
60	105	6484	11351	-747	1449	-342	287	-328	83	-36	19	215	-46	18	-7	6
60	106	5052	11680	-753	998	-244	214	-240	66	-29	15	162	-34	14	-6	4
60	107	3655	11892	-723	599	-152	166	-170	41	-22	12	114	-24	9	-4	3
60	108	2461	12044	-704	299	-97	131	-105	26	-13	9	74	-15	5	-3	2
60	109	1559	12098	-682	101	-59	107	-56	15	-8	6	49	-8	3	-2	1
60	110	891	12143	-655	111	-36	93	-28	9	-5	4	28	-4	1	-1	1
60	111	477	12177	-619	55	-21	80	-12	3	-2	3	9	-1	1	0	1
60	112	206	12198	-585	36	-11	73	-4	1	-1	2	1	0	0	0	0
60	113	37	12206	-549	27	-10	68	-1	1	0	2	1	0	0	0	0
60	114	101	12212	-519	24	-7	65	-1	0	0	1	0	0	0	0	0

TABLE 6

CODING OF PUNCHED CARDS (RAW DATA)

Card columns	Variable name	Value	Divide by	To get
1-2	NFILE	85		FILE 85
3-5	NFRAME	97		FRAME 97
6 blank				
7	NARM	1		ARM 1
8 blank				
9-12	NINT	2043	2048	$\langle\gamma\rangle = 0.9976$
13-14	NEPS	0	2048	Fraction of samples with $\lvert\epsilon\rvert > 30^{\circ}$ if NEPS > 99, punch 99
15 blank				
16-20	IU	1086	10^4	$\langle u\rangle/q_{ref} = 0.1086$
21-25	IV	-13	"	$\langle v\rangle/q_{ref} = -0.0013$
26 blank				
27-30	IU2	3056	10^5	$\langle u'u'\rangle/(q_{ref})^2 = 0.03056$
31-35	IUV	1432	"	$\langle u'v'\rangle/(q_{ref})^2 = 0.01432$
36-39	IV2	1758	"	$\langle v'v'\rangle/(q_{ref})^2 = 0.01758$
40 blank				
41-45	IU3	187	10^5	$\langle u'u'u'\rangle/(q_{ref})^3 = 0.00187$
46-49	IU2V	112	"	$\langle u'u'v'\rangle/(q_{ref})^3 = 0.00112$
50-53	IUV2	79	"	$\langle u'v'v'\rangle/(q_{ref})^3 = 0.00079$
54-57	IV3	87	"	$\langle v'v'v'\rangle/(q_{ref})^3 = 0.00087$
58 blank				
59-62	IU4	282	10^5	$\langle u'u'u'u'\rangle/(q_{ref})^4 = 0.00282$
63-66	IU3V	133	"	$\langle u'u'u'v'\rangle/(q_{ref})^4 = 0.00133$
67-69	IU2V2	96	"	$\langle u'u'v'v'\rangle/(q_{ref})^4 = 0.00096$
70-73	IUV3	76	"	$\langle u'v'v'v'\rangle/(q_{ref})^4 = 0.00076$
74-76	IV4	101	"	$\langle v'v'v'v'\rangle/(q_{ref})^4 = 0.00101$
77-80 blank				

CODING OF PUNCHED CARDS (PROCESSED DATA)

1-3	IX	60		IX = 60
4 blank				
5-7	IY	100		IY = 100
8-9 blank				
10-14	INT	10000	10^4	$\gamma = 1.0000$
15 blank				
16-80 as for "Raw Data" above				

APPENDIX 1

PARTIAL LISTING OF PROCESSED DATA

X, Y	cm
GAMMA	Intermittency
U	$\langle u \rangle / (q_{ref})$
V	$\langle v \rangle / (q_{ref})$
UU	$\langle u'u' \rangle / (q_{ref})^2$
UV	$\langle u'v' \rangle / (q_{ref})^2$
VV	$\langle v'v' \rangle / (q_{ref})^2$
UUU	$\langle u'u'u' \rangle / (q_{ref})^3$
UUV	$\langle u'u'v' \rangle / (q_{ref})^3$
UVV	$\langle u'v'v' \rangle / (q_{ref})^3$
VVV	$\langle v'v'v' \rangle / (q_{ref})^3$

Note: All velocity components are resolved normal and parallel to the airfoil chord in the (x, y) coordinate system (see Figure 4).

***** indicates no data available

IX= 50; X= 55.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
100	7.39	0.9999	0.4819	-.0438	0.0157	-.0040	0.0034	0.0000	-.0000	0.0000	-.0000
101	7.59	0.9992	0.5812	-.0569	0.0181	-.0049	0.0046	-0.0000	-.0000	0.0001	-.0000
102	7.79	1.0000	0.6837	-.0674	0.0200	-.0056	0.0052	-0.0002	0.0000	0.0000	-.0000
103	7.99	1.0000	0.7881	-.0746	0.0211	-.0057	0.0053	-0.0006	0.0001	-.0001	0.0000
104	8.19	1.0000	0.8939	-.0801	0.0206	-.0055	0.0050	-0.0010	0.0003	-.0001	0.0001
105	8.39	1.0000	0.9973	-.0839	0.0191	-.0048	0.0044	-0.0014	0.0003	-.0002	0.0001
106	8.59	0.9879	1.0876	-.0867	0.0157	-.0038	0.0036	-0.0015	0.0004	-.0002	0.0001
107	8.79	0.8869	1.1671	-.0891	0.0114	-.0027	0.0026	-0.0013	0.0003	-.0002	0.0001
108	8.99	0.6867	1.2260	-.0912	0.0068	-.0017	0.0018	-0.0009	0.0002	-.0001	0.0001
109	9.19	0.4548	1.2621	-.0910	0.0030	-.0008	0.0011	-0.0004	0.0001	-.0001	0.0000
110	9.39	0.2189	1.2852	-.0906	0.0011	-.0003	0.0007	-0.0001	0.0000	-.0000	0.0000
111	9.59	0.0888	1.2961	-.0882	0.0003	-.0002	0.0005	-0.0000	0.0000	-.0000	0.0000
112	9.79	0.0101	1.2995	-.0864	0.0003	-.0001	0.0004	0.0000	0.0000	0.0000	0.0000

IX= 55; X= 60.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
95	6.39	0.9997	0.3555	0.0008	0.0120	-.0024	0.0005	0.0002	0.0000	-.0001	0.0001
96	6.59	0.9994	0.3253	-.0230	0.0168	-.0037	0.0027	-0.0001	-.0000	0.0000	-.0000
97	6.79	0.9996	0.3997	-.0369	0.0203	-.0052	0.0042	-0.0003	-.0000	0.0000	-.0000
98	6.99	0.9996	0.4827	-.0453	0.0232	-.0061	0.0052	-0.0005	0.0000	0.0000	-.0000
99	7.19	0.9998	0.5740	-.0529	0.0253	-.0066	0.0058	-0.0008	0.0001	-.0000	-.0000
100	7.39	0.9998	0.6643	-.0591	0.0264	-.0070	0.0060	-0.0012	0.0002	-.0001	0.0000
101	7.59	1.0000	0.7573	-.0644	0.0269	-.0070	0.0060	-0.0018	0.0004	-.0002	0.0001
102	7.79	1.0000	0.8499	-.0693	0.0262	-.0067	0.0057	-0.0022	0.0005	-.0002	0.0001
103	7.99	0.9959	0.9394	-.0742	0.0242	-.0062	0.0051	-0.0027	0.0006	-.0003	0.0001
104	8.19	0.9660	1.0257	-.0786	0.0208	-.0052	0.0043	-0.0028	0.0007	-.0003	0.0001
105	8.39	0.8923	1.1075	-.0808	0.0158	-.0040	0.0034	-0.0025	0.0006	-.0003	0.0001
106	8.59	0.7548	1.1661	-.0831	0.0105	-.0027	0.0025	-0.0020	0.0005	-.0002	0.0001
107	8.79	0.5371	1.2097	-.0846	0.0061	-.0018	0.0017	-0.0013	0.0004	-.0002	0.0001
108	8.99	0.3461	1.2336	-.0834	0.0030	-.0010	0.0012	-0.0006	0.0002	-.0001	0.0001
109	9.19	0.1874	1.2466	-.0838	0.0013	-.0005	0.0008	-0.0002	0.0001	-.0000	0.0000
110	9.39	0.0847	1.2501	-.0819	0.0006	-.0003	0.0007	-0.0001	0.0000	-.0000	0.0000

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
111	9.59	0.0315	1.2544	-.0795	0.0003	-.0002	0.0006	-0.0000	0.0000	-.0000	0.0000
112	9.79	0.0113	1.2549	-.0766	0.0003	-.0001	0.0005	0.0000	0.0000	0.0000	0.0000
113	9.99	0.0000	1.2540	-.0719	0.0002	-.0001	0.0005	0.0000	0.0000	0.0000	0.0000
114	10.19	0.0000	1.2552	-.0674	0.0002	-.0001	0.0005	0.0000	0.0000	0.0000	0.0000
115	10.39	0.0000	1.2561	-.0640	0.0002	-.0001	0.0005	0.0000	0.0000	0.0000	0.0000

IX= 60; X= 65.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
91	5.59	0.9948	0.0622	0.0002	0.0146	-.0024	0.0008	0.0001	-.0000	0.0001	0.0000
92	5.79	0.9978	0.2132	-.0067	0.0190	-.0041	0.0028	-0.0003	-.0000	0.0000	-.0000
93	5.99	0.9992	0.2732	-.0149	0.0233	-.0055	0.0043	-0.0006	0.0000	0.0000	-.0000
94	6.19	0.9996	0.3384	-.0239	0.0270	-.0066	0.0054	-0.0008	0.0000	0.0000	-.0000
95	6.39	0.9997	0.4085	-.0315	0.0302	-.0075	0.0062	-0.0010	0.0001	-.0000	-.0000
96	6.59	0.9997	0.4806	-.0388	0.0331	-.0082	0.0067	-0.0017	0.0002	-.0001	0.0000
97	6.79	0.9996	0.5585	-.0464	0.0346	-.0087	0.0070	-0.0023	0.0004	-.0001	0.0000
98	6.99	0.9995	0.6359	-.0509	0.0357	-.0089	0.0072	-0.0031	0.0006	-.0002	0.0001
99	7.19	1.0000	0.7157	-.0552	0.0361	-.0089	0.0070	-0.0039	0.0008	-.0003	0.0001
100	7.39	1.0000	0.8034	-.0591	0.0361	-.0086	0.0066	-0.0044	0.0008	-.0004	0.0002
101	7.59	0.9967	0.8873	-.0636	0.0336	-.0081	0.0061	-0.0048	0.0010	-.0005	0.0002
102	7.79	0.9768	0.9635	-.0672	0.0306	-.0071	0.0053	-0.0049	0.0010	-.0005	0.0002
103	7.99	0.9132	1.0355	-.0701	0.0258	-.0060	0.0045	-0.0046	0.0010	-.0005	0.0002
104	8.19	0.7867	1.0921	-.0730	0.0200	-.0047	0.0036	-0.0041	0.0010	-.0004	0.0002
105	8.39	0.6484	1.1351	-.0747	0.0145	-.0034	0.0029	-0.0033	0.0008	-.0004	0.0002
106	8.59	0.5052	1.1680	-.0753	0.0100	-.0024	0.0021	-0.0025	0.0007	-.0003	0.0001
107	8.79	0.3655	1.1892	-.0723	0.0060	-.0015	0.0017	-0.0017	0.0004	-.0002	0.0001
108	8.99	0.2461	1.2044	-.0704	0.0030	-.0010	0.0013	-0.0010	0.0003	-.0001	0.0001
109	9.19	0.1559	1.2098	-.0682	0.0019	-.0006	0.0011	-0.0006	0.0001	-.0001	0.0001
110	9.39	0.0891	1.2143	-.0655	0.0011	-.0004	0.0009	-0.0003	0.0001	-.0000	0.0000
111	9.59	0.0477	1.2177	-.0619	0.0005	-.0002	0.0008	-0.0001	0.0000	-.0000	0.0000
112	9.79	0.0206	1.2198	-.0585	0.0004	-.0001	0.0007	-0.0000	0.0000	-.0000	0.0000
113	9.99	0.0037	1.2206	-.0549	0.0003	-.0001	0.0007	-0.0000	0.0000	0.0000	0.0000
114	10.19	0.0101	1.2212	-.0519	0.0002	-.0001	0.0006	-0.0000	0.0000	0.0000	0.0000
115	10.39	0.0060	1.2215	-.0489	0.0002	-.0001	0.0007	-0.0000	0.0000	0.0000	0.0000
116	10.59	0.0033	1.2224	-.0456	0.0002	-.0000	0.0006	0.0000	0.0000	0.0000	0.0000

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
117	10.79	0.0006	1.2230	-.0419	0.0002	-.0001	0.0004	-0.0000	0.0000	0.0000	0.0000
118	10.99	0.0002	1.2233	-.0429	0.0002	-.0001	0.0004	-0.0000	0.0000	0.0000	0.0000
119	11.19	0.0000	1.2243	-.0414	0.0002	-.0001	0.0006	-0.0000	0.0000	0.0000	0.0000

IX= 65; X= 70.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
87	4.79	0.9943	0.0550	0.0241	0.0149	-.0034	0.0017	0.0002	0.0000	0.0000	-.0000
88	4.99	0.9970	0.1268	0.0069	0.0210	-.0048	0.0034	-0.0001	-.0000	0.0001	-.0001
89	5.19	0.9978	0.1620	0.0006	0.0251	-.0059	0.0048	-0.0002	-.0000	0.0001	-.0001
90	5.39	0.9985	0.2076	-.0055	0.0291	-.0070	0.0060	-0.0005	-.0000	0.0001	-.0001
91	5.59	0.9991	0.2691	-.0125	0.0327	-.0080	0.0069	-0.0008	0.0000	0.0000	-.0001
92	5.79	0.9994	0.3233	-.0206	0.0361	-.0088	0.0076	-0.0012	0.0001	0.0000	-.0001
93	5.99	0.9995	0.3804	-.0273	0.0386	-.0095	0.0079	-0.0018	0.0002	-.0001	-.0000
94	6.19	1.0000	0.4549	-.0327	0.0425	-.0101	0.0081	-0.0024	0.0003	-.0001	0.0000
95	6.39	1.0000	0.5177	-.0369	0.0447	-.0107	0.0083	-0.0034	0.0005	-.0003	0.0001
96	6.59	1.0000	0.5789	-.0415	0.0466	-.0112	0.0086	-0.0044	0.0008	-.0004	0.0001
97	6.79	1.0000	0.6490	-.0448	0.0462	-.0111	0.0084	-0.0056	0.0011	-.0005	0.0002
98	6.99	0.9982	0.7220	-.0477	0.0459	-.0106	0.0081	-0.0064	0.0014	-.0007	0.0003
99	7.19	0.9911	0.7833	-.0487	0.0453	-.0099	0.0076	-0.0074	0.0016	-.0008	0.0003
100	7.39	0.9743	0.8571	-.0501	0.0431	-.0090	0.0069	-0.0085	0.0017	-.0009	0.0003
101	7.59	0.9505	0.9204	-.0510	0.0423	-.0082	0.0063	-0.0100	0.0019	-.0009	0.0003
102	7.79	0.8888	0.9873	-.0503	0.0386	-.0072	0.0057	-0.0109	0.0019	-.0009	0.0003
103	7.99	0.8093	1.0387	-.0477	0.0330	-.0061	0.0049	-0.0113	0.0017	-.0008	0.0003
104	8.19	0.6935	1.0797	-.0455	0.0274	-.0050	0.0043	-0.0096	0.0016	-.0008	0.0003
105	8.39	0.5756	1.1159	-.0452	0.0208	-.0039	0.0036	-0.0078	0.0013	-.0007	0.0003
106	8.59	0.4654	1.1431	-.0442	0.0147	-.0029	0.0029	-0.0059	0.0010	-.0005	0.0002
107	8.79	0.3573	1.1630	-.0426	0.0093	-.0020	0.0023	-0.0041	0.0007	-.0004	0.0002
108	8.99	0.2731	1.1743	-.0407	0.0061	-.0013	0.0019	-0.0027	0.0005	-.0003	0.0001
109	9.19	0.1950	1.1846	-.0395	0.0034	-.0009	0.0015	-0.0014	0.0003	-.0002	0.0001
110	9.39	0.1358	1.1906	-.0377	0.0025	-.0005	0.0013	-0.0012	0.0002	-.0001	0.0001
111	9.59	0.0939	1.1938	-.0362	0.0018	-.0004	0.0011	-0.0009	0.0002	-.0001	0.0001
112	9.79	0.0685	1.1958	-.0343	0.0016	-.0003	0.0011	-0.0007	0.0001	-.0001	0.0001
113	9.99	0.0470	1.1969	-.0330	0.0012	-.0002	0.0010	-0.0005	0.0001	-.0001	0.0001
114	10.19	0.0351	1.1977	-.0319	0.0010	-.0002	0.0010	-0.0003	0.0001	-.0001	0.0000

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
115	10.39	0.0226	1.1984	-.0305	0.0007	-.0001	0.0009	-0.0002	0.0001	-.0000	0.0000
116	10.59	0.0143	1.1990	-.0291	0.0005	-.0000	0.0008	-0.0001	0.0000	-.0000	0.0000
117	10.79	0.0090	1.1996	-.0282	0.0004	-.0000	0.0007	-0.0001	0.0000	-.0000	0.0000
118	10.99	0.0064	1.1999	-.0271	0.0003	0.0000	0.0007	-0.0000	0.0000	-.0000	0.0000
119	11.19	0.0041	1.2002	-.0262	0.0003	0.0000	0.0007	-0.0000	0.0000	-.0000	0.0000
120	11.39	0.0031	1.2002	-.0251	0.0002	0.0000	0.0007	-0.0000	0.0000	-.0000	0.0000
121	11.59	0.0022	1.2001	-.0240	0.0002	0.0000	0.0006	-0.0000	0.0000	-.0000	0.0000
122	11.79	0.0012	1.2002	-.0228	0.0002	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000
123	11.99	0.0004	1.2004	-.0218	0.0002	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000
124	12.19	0.0001	1.2005	-.0209	0.0002	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000

IX= 70; X= 75.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
82	3.79	0.9858	0.0011	0.0396	0.0142	-.0031	0.0016	0.0001	-.0001	0.0000	-.0000
83	3.99	0.9912	0.0318	0.0297	0.0182	-.0042	0.0032	0.0004	-.0001	0.0001	-.0001
84	4.19	0.9941	0.0582	0.0232	0.0216	-.0052	0.0045	0.0004	-.0002	0.0001	-.0001
85	4.39	0.9958	0.0773	0.0169	0.0249	-.0061	0.0055	0.0004	-.0002	0.0001	-.0001
86	4.59	0.9970	0.1112	0.0112	0.0280	-.0070	0.0065	0.0003	-.0002	0.0001	-.0001
87	4.79	0.9979	0.1471	0.0059	0.0314	-.0079	0.0074	0.0003	-.0002	0.0001	-.0001
88	4.99	0.9983	0.1856	0.0008	0.0349	-.0087	0.0082	0.0001	-.0002	0.0001	-.0002
89	5.19	0.9988	0.2311	-.0040	0.0391	-.0095	0.0089	-0.0002	-.0001	0.0001	-.0002
90	5.39	0.9992	0.2758	-.0091	0.0434	-.0103	0.0096	-0.0006	-.0000	0.0001	-.0001
91	5.59	0.9993	0.3258	-.0139	0.0478	-.0110	0.0102	-0.0011	0.0001	-.0001	-.0001
92	5.79	0.9994	0.3760	-.0182	0.0523	-.0116	0.0107	-0.0019	0.0003	-.0002	-.0000
93	5.99	0.9997	0.4365	-.0228	0.0568	-.0121	0.0111	-0.0027	0.0005	-.0003	0.0000
94	6.19	1.0000	0.4948	-.0269	0.0608	-.0123	0.0112	-0.0038	0.0007	-.0005	0.0001
95	6.39	1.0000	0.5519	-.0304	0.0643	-.0125	0.0113	-0.0054	0.0010	-.0007	0.0002
96	6.59	1.0000	0.6088	-.0331	0.0673	-.0124	0.0111	-0.0072	0.0015	-.0009	0.0002
97	6.79	0.9982	0.6681	-.0351	0.0689	-.0121	0.0110	-0.0091	0.0018	-.0011	0.0003
98	6.99	0.9955	0.7271	-.0356	0.0685	-.0119	0.0106	-0.0109	0.0022	-.0012	0.0004
99	7.19	0.9830	0.7882	-.0363	0.0670	-.0115	0.0100	-0.0127	0.0025	-.0014	0.0004
100	7.39	0.9592	0.8479	-.0363	0.0636	-.0109	0.0093	-0.0144	0.0028	-.0014	0.0005
101	7.59	0.9190	0.9020	-.0359	0.0553	-.0097	0.0084	-0.0160	0.0030	-.0014	0.0004
102	7.79	0.8621	0.9536	-.0356	0.0494	-.0087	0.0075	-0.0171	0.0027	-.0014	0.0004

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
103	7.99	0.7884	1.0021	-.0347	0.0438	-.0070	0.0067	-0.0176	0.0025	-.0013	0.0004
104	8.19	0.6942	1.0420	-.0338	0.0368	-.0059	0.0059	-0.0119	0.0022	-.0012	0.0004
105	8.39	0.6050	1.0762	-.0327	0.0303	-.0047	0.0051	-0.0117	0.0019	-.0011	0.0004
106	8.59	0.5177	1.1040	-.0310	0.0173	-.0041	0.0043	-0.0109	0.0014	-.0009	0.0004
107	8.79	0.4292	1.1245	-.0291	0.0141	-.0033	0.0036	-0.0099	0.0014	-.0008	0.0004
108	8.99	0.3284	1.1414	-.0273	0.0129	-.0026	0.0030	-0.0081	0.0012	-.0007	0.0003
109	9.19	0.2600	1.1526	-.0259	0.0106	-.0020	0.0026	-0.0054	0.0010	-.0006	0.0003
110	9.39	0.1912	1.1600	-.0245	0.0078	-.0015	0.0022	-0.0042	0.0008	-.0005	0.0002
111	9.59	0.1441	1.1660	-.0234	0.0057	-.0011	0.0020	-0.0037	0.0006	-.0004	0.0002
112	9.79	0.1066	1.1709	-.0225	0.0042	-.0008	0.0018	-0.0028	0.0004	-.0003	0.0001
113	9.99	0.0793	1.1747	-.0218	0.0030	-.0006	0.0016	-0.0020	0.0003	-.0002	0.0001
114	10.19	0.0571	1.1775	-.0210	0.0024	-.0005	0.0014	-0.0018	0.0002	-.0001	0.0001
115	10.39	0.0387	1.1808	-.0199	0.0016	-.0002	0.0011	-0.0006	0.0002	-.0001	0.0001
116	10.59	0.0261	1.1811	-.0190	0.0013	-.0001	0.0010	-0.0004	0.0001	-.0001	0.0001
117	10.79	0.0178	1.1820	-.0178	0.0010	-.0001	0.0010	-0.0003	0.0001	-.0000	0.0000
118	10.99	0.0134	1.1825	-.0171	0.0009	-.0001	0.0009	-0.0003	0.0001	-.0000	0.0000
119	11.19	0.0098	1.1827	-.0160	0.0009	-.0001	0.0009	-0.0003	0.0001	-.0000	0.0000
120	11.39	0.0095	1.1839	-.0155	0.0008	-.0001	0.0009	-0.0002	0.0001	-.0000	0.0000
121	11.59	0.0085	1.1849	-.0152	0.0006	-.0000	0.0008	-0.0002	0.0000	-.0000	0.0000
122	11.79	0.0074	1.1857	-.0145	0.0005	0.0000	0.0008	-0.0001	0.0000	-.0000	0.0000
123	11.99	0.0066	1.1857	-.0136	0.0004	0.0000	0.0007	-0.0001	0.0000	-.0000	0.0000
124	12.19	0.0054	1.1860	-.0126	0.0004	0.0000	0.0007	-0.0001	0.0000	-.0000	0.0000
125	12.39	0.0038	1.1862	-.0121	0.0003	0.0000	0.0007	-0.0000	0.0000	-.0000	0.0000
126	12.59	0.0023	1.1862	-.0112	0.0003	0.0000	0.0006	-0.0000	0.0000	-.0000	0.0000
127	12.79	0.0012	1.1868	-.0106	0.0003	0.0000	0.0006	-0.0000	0.0000	-.0000	0.0000
128	12.99	0.0005	1.1860	-.0093	0.0002	0.0000	0.0006	-0.0000	0.0000	0.0000	0.0000
129	13.19	0.0000	1.1868	-.0088	0.0002	0.0000	0.0006	-0.0000	0.0000	0.0000	0.0000
130	13.39	0.0000	1.1867	-.0080	0.0002	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000

IX= 75; X= 80.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
76	2.59	0.9777	-.0707	0.0562	0.0112	-.0027	0.0011	0.0002	-.0001	0.0000	-.0000
77	2.79	0.9842	-.0443	0.0518	0.0136	-.0032	0.0024	0.0003	-.0001	0.0000	-.0000
78	2.99	0.9886	-.0372	0.0465	0.0158	-.0039	0.0036	0.0005	-.0001	0.0001	-.0001

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
79	3.19	0.9917	-.0230	0.0415	0.0180	-.0046	0.0046	0.0007	-.0002	0.0002	-.0001
80	3.39	0.9937	-.0050	0.0365	0.0202	-.0054	0.0055	0.0009	-.0003	0.0002	-.0002
81	3.59	0.9954	0.0178	0.0314	0.0226	-.0061	0.0064	0.0011	-.0004	0.0002	-.0003
82	3.79	0.9965	0.0435	0.0265	0.0252	-.0068	0.0073	0.0012	-.0004	0.0003	-.0003
83	3.99	0.9974	0.0719	0.0217	0.0285	-.0077	0.0082	0.0014	-.0005	0.0003	-.0003
84	4.19	0.9980	0.1030	0.0169	0.0319	-.0086	0.0091	0.0015	-.0005	0.0003	-.0003
85	4.39	0.9986	0.1339	0.0121	0.0356	-.0095	0.0099	0.0015	-.0005	0.0003	-.0003
86	4.59	0.9989	0.1663	0.0079	0.0397	-.0104	0.0107	0.0015	-.0005	0.0003	-.0003
87	4.79	0.9990	0.2008	0.0038	0.0437	-.0112	0.0114	0.0017	-.0004	0.0002	-.0003
88	4.99	0.9990	0.2387	-.0004	0.0475	-.0119	0.0121	0.0014	-.0003	0.0001	-.0003
89	5.19	0.9992	0.2773	-.0048	0.0514	-.0125	0.0127	0.0009	-.0002	0.0001	-.0003
90	5.39	0.9993	0.3205	-.0093	0.0556	-.0131	0.0132	0.0003	-.0000	-.0000	-.0002
91	5.59	0.9991	0.3652	-.0136	0.0597	-.0135	0.0137	-0.0008	0.0002	-.0002	-.0002
92	5.79	0.9991	0.4177	-.0179	0.0631	-.0141	0.0140	-0.0018	0.0005	-.0004	-.0001
93	5.99	0.9995	0.4702	-.0219	0.0674	-.0146	0.0142	-0.0026	0.0008	-.0006	0.0000
94	6.19	0.9994	0.5152	-.0255	0.0703	-.0147	0.0141	-0.0043	0.0011	-.0008	0.0001
95	6.39	1.0000	0.5649	-.0278	0.0738	-.0144	0.0139	-0.0057	0.0015	-.0009	0.0002
96	6.59	0.9988	0.6185	-.0296	0.0746	-.0143	0.0136	-0.0081	0.0019	-.0011	0.0002
97	6.79	0.9956	0.6734	-.0310	0.0754	-.0139	0.0133	-0.0102	0.0022	-.0013	0.0003
98	6.99	0.9888	0.7256	-.0317	0.0759	-.0135	0.0127	-0.0115	0.0026	-.0015	0.0004
99	7.19	0.9641	0.7839	-.0324	0.0729	-.0129	0.0121	-0.0134	0.0030	-.0019	0.0004
100	7.39	0.9370	0.8321	-.0330	0.0719	-.0119	0.0114	-0.0165	0.0032	-.0019	0.0005
101	7.59	0.9028	0.8730	-.0331	0.0684	-.0111	0.0106	-0.0181	0.0035	-.0020	0.0005
102	7.79	0.8677	0.9136	-.0326	0.0724	-.0100	0.0098	-0.0194	0.0036	-.0021	0.0005
103	7.99	0.8120	0.9550	-.0319	0.0655	-.0088	0.0089	-0.0195	0.0034	-.0020	0.0005
104	8.19	0.7345	0.9952	-.0304	0.0565	-.0077	0.0080	-0.0191	0.0031	-.0019	0.0005
105	8.39	0.6429	1.0274	-.0289	0.0481	-.0066	0.0071	-0.0175	0.0028	-.0016	0.0004
106	8.59	0.5499	1.0577	-.0275	0.0327	-.0057	0.0063	-0.0167	0.0027	-.0013	0.0004
107	8.79	0.4750	1.0888	-.0261	0.0275	-.0045	0.0054	-0.0145	0.0021	-.0012	0.0004
108	8.99	0.4245	1.1033	-.0246	0.0270	-.0040	0.0050	-0.0148	0.0020	-.0011	0.0004
109	9.19	0.3581	1.1171	-.0233	0.0220	-.0034	0.0044	-0.0135	0.0018	-.0010	0.0003
110	9.39	0.3021	1.1284	-.0217	0.0174	-.0028	0.0039	-0.0132	0.0015	-.0009	0.0003
111	9.59	0.2372	1.1377	-.0199	0.0131	-.0022	0.0033	-0.0109	0.0012	-.0008	0.0003
112	9.79	0.1753	1.1459	-.0186	0.0091	-.0017	0.0029	-0.0085	0.0009	-.0006	0.0002
113	9.99	0.1203	1.1529	-.0171	0.0065	-.0013	0.0025	-0.0052	0.0007	-.0005	0.0002
114	10.19	0.1035	1.1567	-.0160	0.0056	-.0011	0.0022	-0.0057	0.0005	-.0004	0.0002

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
115	10.39	0.0893	1.1619	-.0152	0.0046	-.0009	0.0019	-0.0015	0.0004	-.0003	0.0002
116	10.59	0.0769	1.1646	-.0143	0.0038	-.0007	0.0018	-0.0016	0.0004	-.0003	0.0001
117	10.79	0.0630	1.1669	-.0129	0.0035	-.0006	0.0016	-0.0014	0.0004	-.0002	0.0001
118	10.99	0.0512	1.1679	-.0121	0.0029	-.0006	0.0016	-0.0011	0.0003	-.0002	0.0001
119	11.19	0.0392	1.1686	-.0109	0.0024	-.0004	0.0014	-0.0010	0.0003	-.0002	0.0001
120	11.39	0.0281	1.1687	-.0095	0.0017	-.0003	0.0012	-0.0006	0.0002	-.0001	0.0001
121	11.59	0.0204	1.1686	-.0085	0.0013	-.0002	0.0011	-0.0004	0.0001	-.0001	0.0001
122	11.79	0.0141	1.1692	-.0076	0.0010	-.0001	0.0010	-0.0003	0.0001	-.0001	0.0001
123	11.99	0.0110	1.1692	-.0068	0.0009	-.0001	0.0010	-0.0002	0.0001	-.0000	0.0001
124	12.19	0.0086	1.1696	-.0061	0.0007	-.0001	0.0009	-0.0002	0.0001	-.0000	0.0001
125	12.39	0.0072	1.1693	-.0052	0.0006	-.0000	0.0009	-0.0001	0.0000	-.0000	0.0001
126	12.59	0.0054	1.1691	-.0044	0.0005	-.0000	0.0008	-0.0001	0.0000	-.0000	0.0001
127	12.79	0.0042	1.1695	-.0041	0.0005	-.0000	0.0008	-0.0000	0.0000	-.0000	0.0000
128	12.99	0.0036	1.1697	-.0034	0.0004	0.0000	0.0007	-0.0000	0.0000	-.0000	0.0000
129	13.19	0.0034	1.1699	-.0025	0.0003	0.0000	0.0007	0.0000	0.0000	0.0000	0.0000
130	13.39	0.0026	1.1699	-.0018	0.0003	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000
131	13.59	0.0018	1.1698	-.0014	0.0003	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000
132	13.79	0.0013	1.1694	-.0006	0.0003	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000
133	13.99	0.0009	1.1694	0.0003	0.0002	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000
134	14.19	0.0007	1.1689	0.0015	0.0002	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000
135	14.39	0.0004	1.1688	0.0024	0.0002	0.0001	0.0005	0.0000	0.0000	0.0000	0.0000

IX= 80; X= 85.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
70	1.39	0.9867	-.1172	0.0770	0.0122	-.0027	0.0015	0.0005	-.0001	0.0000	0.0000
71	1.59	0.9933	-.1084	0.0723	0.0116	-.0027	0.0026	0.0004	-.0001	0.0001	-.0000
72	1.79	0.9953	-.0924	0.0682	0.0124	-.0029	0.0036	0.0006	-.0002	0.0001	-.0001
73	1.99	0.9963	-.0824	0.0642	0.0136	-.0033	0.0044	0.0008	-.0003	0.0002	-.0001
74	2.19	0.9972	-.0679	0.0592	0.0152	-.0037	0.0052	0.0009	-.0004	0.0002	-.0002
75	2.39	0.9976	-.0530	0.0543	0.0168	-.0042	0.0059	0.0011	-.0005	0.0003	-.0002
76	2.59	0.9980	-.0317	0.0501	0.0186	-.0048	0.0067	0.0012	-.0005	0.0003	-.0003
77	2.79	0.9983	-.0174	0.0459	0.0202	-.0054	0.0074	0.0013	-.0006	0.0004	-.0003
78	2.99	0.9985	0.0035	0.0417	0.0222	-.0061	0.0081	0.0015	-.0006	0.0004	-.0003
79	3.19	0.9987	0.0241	0.0374	0.0245	-.0067	0.0088	0.0016	-.0007	0.0004	-.0004

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
80	3.39	0.9986	0.0484	0.0325	0.0272	-.0074	0.0095	0.0018	-.0007	0.0004	-.0004
81	3.59	0.9986	0.0804	0.0277	0.0302	-.0083	0.0103	0.0018	-.0008	0.0004	-.0004
82	3.79	0.9988	0.1098	0.0234	0.0334	-.0093	0.0110	0.0019	-.0007	0.0004	-.0004
83	3.99	0.9989	0.1275	0.0190	0.0360	-.0101	0.0118	0.0020	-.0008	0.0005	-.0004
84	4.19	0.9991	0.1518	0.0148	0.0388	-.0110	0.0126	0.0020	-.0008	0.0004	-.0005
85	4.39	0.9993	0.1812	0.0111	0.0418	-.0118	0.0133	0.0020	-.0007	0.0004	-.0005
86	4.59	0.9995	0.2145	0.0067	0.0454	-.0127	0.0140	0.0020	-.0007	0.0004	-.0005
87	4.79	0.9996	0.2516	0.0022	0.0497	-.0135	0.0147	0.0019	-.0006	0.0004	-.0005
88	4.99	0.9997	0.2952	-.0027	0.0542	-.0143	0.0152	0.0017	-.0005	0.0002	-.0004
89	5.19	0.9998	0.3357	-.0079	0.0589	-.0151	0.0157	0.0013	-.0003	0.0001	-.0003
90	5.39	0.9997	0.3721	-.0123	0.0632	-.0158	0.0161	0.0007	-.0000	-.0001	-.0002
91	5.59	0.9998	0.4143	-.0162	0.0667	-.0162	0.0165	0.0000	0.0003	-.0003	-.0002
92	5.79	1.0000	0.4575	-.0196	0.0704	-.0166	0.0167	-0.0011	0.0006	-.0005	-.0001
93	5.99	1.0000	0.5018	-.0229	0.0733	-.0165	0.0168	-0.0023	0.0010	-.0008	0.0000
94	6.19	1.0000	0.5483	-.0260	0.0761	-.0165	0.0164	-0.0040	0.0014	-.0010	0.0001
95	6.39	1.0000	0.5939	-.0285	0.0784	-.0164	0.0160	-0.0054	0.0019	-.0013	0.0002
96	6.59	0.9996	0.6428	-.0306	0.0803	-.0163	0.0160	-0.0079	0.0023	-.0016	0.0003
97	6.79	0.9917	0.6870	-.0319	0.0811	-.0160	0.0158	-0.0100	0.0028	-.0019	0.0004
98	6.99	0.9776	0.7328	-.0324	0.0805	-.0158	0.0151	-0.0124	0.0031	-.0020	0.0005
99	7.19	0.9537	0.7849	-.0329	0.0802	-.0145	0.0145	-0.0141	0.0034	-.0021	0.0005
100	7.39	0.9172	0.8319	-.0330	0.0740	-.0129	0.0134	-0.0164	0.0035	-.0022	0.0006
101	7.59	0.8674	0.8848	-.0329	0.0691	-.0115	0.0121	-0.0177	0.0038	-.0023	0.0006
102	7.79	0.8394	0.9189	-.0327	0.0660	-.0108	0.0113	-0.0204	0.0041	-.0023	0.0006
103	7.99	0.7866	0.9430	-.0326	0.0669	-.0106	0.0108	-0.0210	0.0042	-.0023	0.0006
104	8.19	0.7203	0.9721	-.0318	0.0638	-.0094	0.0099	-0.0213	0.0043	-.0023	0.0006
105	8.39	0.6549	0.9982	-.0310	0.0545	-.0085	0.0091	-0.0204	0.0039	-.0022	0.0006
106	8.59	0.5746	1.0278	-.0300	0.0481	-.0075	0.0083	-0.0194	0.0036	-.0020	0.0006
107	8.79	0.4924	1.0564	-.0285	0.0376	-.0061	0.0075	-0.0175	0.0031	-.0018	0.0006
108	8.99	0.4230	1.0766	-.0273	0.0313	-.0056	0.0067	-0.0156	0.0027	-.0017	0.0005
109	9.19	0.3878	1.0900	-.0259	0.0272	-.0049	0.0061	-0.0132	0.0025	-.0015	0.0005
110	9.39	0.3338	1.1018	-.0246	0.0229	-.0041	0.0054	-0.0121	0.0021	-.0013	0.0004
111	9.59	0.2835	1.1125	-.0232	0.0187	-.0034	0.0048	-0.0100	0.0018	-.0011	0.0004
112	9.79	0.2379	1.1213	-.0215	0.0149	-.0028	0.0043	-0.0075	0.0015	-.0010	0.0003
113	9.99	0.1895	1.1292	-.0196	0.0116	-.0023	0.0038	-0.0057	0.0012	-.0008	0.0003
114	10.19	0.1572	1.1358	-.0179	0.0092	-.0018	0.0033	-0.0042	0.0010	-.0006	0.0003
115	10.39	0.1316	1.1403	-.0166	0.0072	-.0015	0.0029	-0.0034	0.0008	-.0005	0.0002

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
116	10.59	0.1122	1.1441	-.0155	0.0063	-.0011	0.0026	-0.0029	0.0006	-.0004	0.0002
117	10.79	0.0908	1.1465	-.0145	0.0058	-.0010	0.0023	-0.0027	0.0005	-.0003	0.0002
118	10.99	0.0745	1.1484	-.0132	0.0047	-.0008	0.0021	-0.0021	0.0004	-.0003	0.0002
119	11.19	0.0596	1.1502	-.0120	0.0038	-.0007	0.0020	-0.0016	0.0004	-.0003	0.0002
120	11.39	0.0463	1.1515	-.0110	0.0031	-.0006	0.0017	-0.0009	0.0003	-.0002	0.0002
121	11.59	0.0384	1.1531	-.0100	0.0023	-.0004	0.0016	-0.0007	0.0002	-.0002	0.0001
122	11.79	0.0328	1.1544	-.0090	0.0018	-.0003	0.0015	-0.0006	0.0002	-.0001	0.0001
123	11.99	0.0267	1.1549	-.0083	0.0015	-.0002	0.0014	-0.0005	0.0002	-.0001	0.0001
124	12.19	0.0223	1.1551	-.0073	0.0013	-.0002	0.0013	-0.0004	0.0001	-.0001	0.0001
125	12.39	0.0178	1.1549	-.0064	0.0012	-.0001	0.0012	-0.0004	0.0001	-.0001	0.0001
126	12.59	0.0129	1.1547	-.0052	0.0011	-.0001	0.0011	-0.0003	0.0001	-.0001	0.0001
127	12.79	0.0104	1.1545	-.0038	0.0010	-.0001	0.0011	-0.0003	0.0001	-.0001	0.0001
128	12.99	0.0085	1.1545	-.0028	0.0008	-.0001	0.0010	-0.0002	0.0001	-.0000	0.0001
129	13.19	0.0070	1.1548	-.0019	0.0007	-.0000	0.0009	-0.0001	0.0000	-.0000	0.0001
130	13.39	0.0063	1.1551	-.0011	0.0005	0.0000	0.0008	-0.0000	0.0000	-.0000	0.0001
131	13.59	0.0055	1.1554	-.0003	0.0005	0.0000	0.0008	-0.0000	0.0000	-.0000	0.0000
132	13.79	0.0048	1.1553	0.0006	0.0005	0.0000	0.0008	-0.0000	0.0000	-.0000	0.0000
133	13.99	0.0042	1.1554	0.0014	0.0004	0.0000	0.0007	-0.0000	0.0000	-.0000	0.0000
134	14.19	0.0033	1.1553	0.0024	0.0004	0.0000	0.0007	-0.0000	0.0000	-.0000	0.0000
135	14.39	0.0025	1.1554	0.0033	0.0004	0.0000	0.0006	-0.0000	0.0000	-.0000	0.0000
136	14.59	0.0019	1.1555	0.0043	0.0003	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000
137	14.79	0.0015	1.1553	0.0051	0.0003	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000
138	14.99	0.0012	1.1559	0.0059	0.0003	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000
139	15.19	0.0011	1.1562	0.0067	0.0003	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000
140	15.39	0.0010	1.1557	0.0078	0.0003	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000

IX= 84; X= 89.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
64	0.19	1.0000	-.1073	0.1013	0.0054	0.0000	0.0005	0.0002	0.0002	-.0000	0.0000
65	0.39	0.9986	-.1040	0.0741	0.0096	-.0004	0.0023	0.0003	-.0001	0.0000	0.0000
66	0.59	0.9978	-.1092	0.0619	0.0109	-.0009	0.0032	0.0004	-.0000	0.0001	0.0000
67	0.79	0.9980	-.1181	0.0499	0.0112	-.0010	0.0040	0.0004	-.0001	0.0001	-.0000
68	0.99	0.9983	-.1166	0.0385	0.0122	-.0014	0.0048	0.0004	-.0001	0.0001	-.0001
69	1.19	0.9986	-.1113	0.0283	0.0135	-.0018	0.0055	0.0005	-.0002	0.0001	-.0001

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
70	1.39	0.9989	-.1059	0.0220	0.0151	-.0023	0.0063	0.0006	-.0002	0.0002	-.0001
71	1.59	0.9991	-.0926	0.0172	0.0170	-.0028	0.0068	0.0007	-.0003	0.0002	-.0001
72	1.79	0.9991	-.0768	0.0149	0.0187	-.0032	0.0074	0.0008	-.0004	0.0002	-.0002
73	1.99	0.9990	-.0599	0.0146	0.0211	-.0038	0.0079	0.0010	-.0004	0.0003	-.0002
74	2.19	0.9990	-.0428	0.0124	0.0234	-.0047	0.0085	0.0012	-.0005	0.0003	-.0002
75	2.39	0.9990	-.0203	0.0106	0.0260	-.0056	0.0092	0.0013	-.0006	0.0003	-.0003
76	2.59	0.9990	-.0007	0.0076	0.0287	-.0063	0.0098	0.0014	-.0006	0.0004	-.0003
77	2.79	0.9991	0.0210	0.0043	0.0314	-.0069	0.0105	0.0014	-.0007	0.0004	-.0003
78	2.99	0.9992	0.0479	0.0017	0.0340	-.0075	0.0110	0.0014	-.0007	0.0004	-.0003
79	3.19	0.9992	0.0669	-.0005	0.0362	-.0082	0.0116	0.0014	-.0008	0.0004	-.0004
80	3.39	0.9993	0.0934	-.0022	0.0387	-.0089	0.0122	0.0016	-.0008	0.0004	-.0004
81	3.59	0.9995	0.1203	-.0038	0.0410	-.0097	0.0127	0.0016	-.0008	0.0004	-.0004
82	3.79	0.9996	0.1473	-.0070	0.0435	-.0103	0.0136	0.0015	-.0008	0.0004	-.0004
83	3.99	0.9996	0.1775	-.0106	0.0469	-.0113	0.0144	0.0013	-.0007	0.0004	-.0005
84	4.19	0.9996	0.2115	-.0133	0.0501	-.0122	0.0150	0.0010	-.0006	0.0004	-.0005
85	4.39	0.9997	0.2448	-.0171	0.0533	-.0130	0.0156	0.0009	-.0006	0.0004	-.0005
86	4.59	0.9997	0.2797	-.0196	0.0564	-.0137	0.0162	0.0008	-.0005	0.0003	-.0004
87	4.79	0.9997	0.3162	-.0222	0.0593	-.0144	0.0165	0.0005	-.0004	0.0002	-.0004
88	4.99	0.9996	0.3509	-.0253	0.0611	-.0149	0.0168	0.0002	-.0003	0.0001	-.0003
89	5.19	0.9997	0.3898	-.0284	0.0643	-.0153	0.0170	-0.0002	-.0001	-.0001	-.0003
90	5.39	0.9998	0.4262	-.0314	0.0668	-.0158	0.0171	-0.0010	0.0001	-.0003	-.0002
91	5.59	0.9995	0.4629	-.0344	0.0699	-.0162	0.0174	-0.0019	0.0005	-.0005	-.0001
92	5.79	0.9985	0.5049	-.0375	0.0733	-.0166	0.0174	-0.0032	0.0009	-.0008	0.0001
93	5.99	0.9971	0.5384	-.0400	0.0763	-.0169	0.0175	-0.0044	0.0014	-.0010	0.0002
94	6.19	0.9938	0.5859	-.0424	0.0785	-.0170	0.0174	-0.0062	0.0018	-.0013	0.0003
95	6.39	0.9898	0.6281	-.0435	0.0801	-.0167	0.0172	-0.0077	0.0022	-.0015	0.0004
96	6.59	0.9843	0.6723	-.0447	0.0802	-.0163	0.0168	-0.0097	0.0026	-.0018	0.0005
97	6.79	0.9723	0.7087	-.0455	0.0798	-.0160	0.0165	-0.0116	0.0030	-.0020	0.0006
98	6.99	0.9568	0.7510	-.0461	0.0805	-.0155	0.0160	-0.0139	0.0034	-.0022	0.0007
99	7.19	0.9352	0.7853	-.0464	0.0790	-.0149	0.0154	-0.0161	0.0037	-.0023	0.0008
100	7.39	0.9054	0.8230	-.0463	0.0761	-.0141	0.0147	-0.0180	0.0041	-.0024	0.0008
101	7.59	0.8662	0.8537	-.0460	0.0728	-.0134	0.0140	-0.0187	0.0042	-.0025	0.0008
102	7.79	0.8222	0.8951	-.0457	0.0671	-.0121	0.0129	-0.0191	0.0042	-.0025	0.0008
103	7.99	0.7716	0.9277	-.0453	0.0622	-.0109	0.0117	-0.0192	0.0041	-.0024	0.0008
104	8.19	0.7117	0.9616	-.0444	0.0559	-.0098	0.0109	-0.0196	0.0040	-.0024	0.0008
105	8.39	0.6537	0.9883	-.0433	0.0500	-.0088	0.0100	-0.0191	0.0038	-.0023	0.0007

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
106	8.59	0.5927	1.0117	-.0420	0.0453	-.0078	0.0093	-0.0181	0.0036	-.0021	0.0007
107	8.79	0.5299	1.0322	-.0405	0.0396	-.0069	0.0085	-0.0165	0.0033	-.0020	0.0007
108	8.99	0.4675	1.0504	-.0387	0.0342	-.0060	0.0077	-0.0146	0.0029	-.0018	0.0006
109	9.19	0.4088	1.0661	-.0367	0.0296	-.0053	0.0071	-0.0127	0.0026	-.0016	0.0006
110	9.39	0.3564	1.0788	-.0348	0.0257	-.0045	0.0064	-0.0114	0.0023	-.0014	0.0005
111	9.59	0.3014	1.0908	-.0329	0.0207	-.0039	0.0058	-0.0096	0.0021	-.0013	0.0005
112	9.79	0.2612	1.1003	-.0311	0.0182	-.0034	0.0053	-0.0084	0.0018	-.0012	0.0005
113	9.99	0.2256	1.1077	-.0292	0.0160	-.0029	0.0048	-0.0077	0.0015	-.0010	0.0004
114	10.19	0.1943	1.1136	-.0274	0.0128	-.0025	0.0044	-0.0063	0.0013	-.0009	0.0004
115	10.39	0.1666	1.1189	-.0256	0.0105	-.0022	0.0040	-0.0053	0.0011	-.0008	0.0004
116	10.59	0.1392	1.1236	-.0237	0.0089	-.0019	0.0036	-0.0042	0.0009	-.0007	0.0004
117	10.79	0.1171	1.1275	-.0218	0.0072	-.0015	0.0032	-0.0032	0.0007	-.0005	0.0003
118	10.99	0.0986	1.1307	-.0202	0.0058	-.0012	0.0028	-0.0026	0.0006	-.0004	0.0002
119	11.19	0.0787	1.1337	-.0186	0.0045	-.0009	0.0025	-0.0020	0.0005	-.0004	0.0002
120	11.39	0.0681	1.1354	-.0173	0.0036	-.0008	0.0023	-0.0015	0.0004	-.0003	0.0002
121	11.59	0.0576	1.1365	-.0161	0.0034	-.0008	0.0021	-0.0013	0.0004	-.0003	0.0002
122	11.79	0.0487	1.1374	-.0149	0.0030	-.0007	0.0020	-0.0012	0.0003	-.0003	0.0002
123	11.99	0.0410	1.1381	-.0137	0.0027	-.0006	0.0018	-0.0010	0.0003	-.0002	0.0002
124	12.19	0.0343	1.1386	-.0125	0.0024	-.0005	0.0017	-0.0008	0.0003	-.0002	0.0002
125	12.39	0.0281	1.1391	-.0110	0.0020	-.0004	0.0015	-0.0006	0.0002	-.0002	0.0001
126	12.59	0.0239	1.1397	-.0096	0.0017	-.0003	0.0013	-0.0005	0.0002	-.0001	0.0001
127	12.79	0.0200	1.1400	-.0084	0.0015	-.0002	0.0012	-0.0004	0.0001	-.0001	0.0001
128	12.99	0.0178	1.1403	-.0071	0.0013	-.0001	0.0011	-0.0003	0.0001	-.0001	0.0001
129	13.19	0.0153	1.1403	-.0059	0.0012	-.0001	0.0011	-0.0003	0.0001	-.0001	0.0001
130	13.39	0.0126	1.1404	-.0046	0.0011	-.0001	0.0010	-0.0002	0.0001	-.0001	0.0001
131	13.59	0.0103	1.1406	-.0033	0.0010	-.0001	0.0010	-0.0002	0.0000	-.0000	0.0001
132	13.79	0.0080	1.1415	-.0021	0.0009	-.0001	0.0009	-0.0002	0.0000	-.0000	0.0001
133	13.99	0.0063	1.1418	-.0009	0.0008	-.0001	0.0009	-0.0002	0.0001	-.0000	0.0001
134	14.19	0.0053	1.1416	0.0003	0.0007	-.0001	0.0008	-0.0001	0.0001	-.0000	0.0001
135	14.39	0.0043	1.1412	0.0013	0.0007	-.0000	0.0008	-0.0001	0.0001	-.0000	0.0001
136	14.59	0.0037	1.1415	0.0021	0.0006	-.0000	0.0007	-0.0001	0.0000	-.0000	0.0000
137	14.79	0.0031	1.1411	0.0029	0.0005	-.0000	0.0007	-0.0001	0.0000	-.0000	0.0000
138	14.99	0.0025	1.1413	0.0040	0.0005	0.0000	0.0006	-0.0001	0.0000	-.0000	0.0000
139	15.19	0.0020	1.1414	0.0049	0.0004	0.0000	0.0006	-0.0000	0.0000	-.0000	0.0000
140	15.39	0.0017	1.1420	0.0055	0.0003	0.0000	0.0005	-0.0000	0.0000	0.0000	0.0000
141	15.59	0.0013	1.1409	0.0066	0.0003	0.0000	0.0005	-0.0000	0.0000	0.0000	0.0000

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
142	15.79	0.0011	1.1406	0.0073	0.0003	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000
143	15.99	0.0009	1.1397	0.0081	0.0003	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000
144	16.19	0.0008	1.1394	0.0091	0.0003	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000

IX= 85; X= 90.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
63	-0.01	1.0000	******	0.1015	0.0133	0.0034	0.0071	0.0003	0.0012	0.0011	0.0004
64	0.19	0.9979	******	0.0856	0.0127	0.0024	0.0045	0.0004	0.0000	0.0001	0.0000
65	0.39	0.9982	-.0621	0.0692	0.0120	0.0013	0.0037	0.0004	-.0001	-.0000	-.0000
66	0.59	0.9989	-.1096	0.0515	0.0116	0.0005	0.0040	0.0004	-.0001	0.0000	-.0000
67	0.79	0.9992	-.1208	0.0341	0.0122	-.0000	0.0049	0.0003	-.0000	0.0001	0.0000
68	0.99	0.9993	-.1156	0.0189	0.0136	-.0008	0.0060	0.0004	-.0000	0.0001	0.0000
69	1.19	0.9994	-.1092	0.0089	0.0154	-.0016	0.0067	0.0005	-.0001	0.0002	-.0001
70	1.39	0.9990	-.1016	-.0042	0.0173	-.0023	0.0072	0.0006	-.0002	0.0002	-.0001
71	1.59	0.9990	-.0901	-.0046	0.0191	-.0030	0.0077	0.0009	-.0003	0.0002	-.0001
72	1.79	0.9991	-.0728	-.0102	0.0211	-.0035	0.0082	0.0011	-.0004	0.0003	-.0002
73	1.99	0.9992	-.0561	-.0105	0.0236	-.0042	0.0088	0.0012	-.0005	0.0003	-.0002
74	2.19	0.9992	-.0380	-.0120	0.0263	-.0051	0.0094	0.0013	-.0005	0.0003	-.0002
75	2.39	0.9993	-.0176	-.0135	0.0290	-.0059	0.0100	0.0013	-.0006	0.0003	-.0002
76	2.59	0.9993	-.0004	-.0146	0.0319	-.0066	0.0106	0.0013	-.0006	0.0004	-.0003
77	2.79	0.9993	0.0176	-.0157	0.0347	-.0073	0.0112	0.0013	-.0006	0.0004	-.0003
78	2.99	0.9993	0.0480	-.0170	0.0370	-.0080	0.0117	0.0014	-.0006	0.0004	-.0003
79	3.19	0.9994	0.0792	-.0178	0.0393	-.0086	0.0122	0.0015	-.0007	0.0004	-.0003
80	3.39	0.9994	0.1091	-.0181	0.0416	-.0094	0.0128	0.0015	-.0007	0.0004	-.0004
81	3.59	0.9995	0.1318	-.0195	0.0441	-.0102	0.0135	0.0014	-.0007	0.0004	-.0004
82	3.79	0.9996	0.1592	-.0221	0.0474	-.0109	0.0142	0.0012	-.0007	0.0004	-.0004
83	3.99	0.9996	0.1874	-.0246	0.0500	-.0117	0.0147	0.0010	-.0006	0.0004	-.0004
84	4.19	0.9996	0.2235	-.0277	0.0529	-.0123	0.0153	0.0009	-.0006	0.0004	-.0004
85	4.39	0.9997	0.2534	-.0303	0.0557	-.0130	0.0158	0.0007	-.0005	0.0003	-.0004
86	4.59	0.9996	0.2857	-.0326	0.0583	-.0137	0.0163	0.0004	-.0004	0.0002	-.0004
87	4.79	0.9997	0.3227	-.0345	0.0610	-.0142	0.0165	0.0000	-.0003	0.0001	-.0003
88	4.99	0.9998	0.3529	-.0362	0.0638	-.0148	0.0170	-0.0004	-.0001	-.0000	-.0003
89	5.19	0.9998	0.3936	-.0383	0.0665	-.0154	0.0172	-0.0011	0.0001	-.0002	-.0002
90	5.39	1.0000	0.4303	-.0406	0.0697	-.0159	0.0174	-0.0019	0.0004	-.0004	-.0001

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
91	5.59	0.9995	0.4710	-.0429	0.0725	-.0163	0.0176	-0.0029	0.0007	-.0006	0.0000
92	5.79	0.9986	0.5127	-.0451	0.0752	-.0165	0.0176	-0.0040	0.0011	-.0008	0.0001
93	5.99	0.9966	0.5513	-.0468	0.0774	-.0167	0.0176	-0.0053	0.0015	-.0011	0.0002
94	6.19	0.9934	0.5921	-.0484	0.0790	-.0166	0.0175	-0.0070	0.0019	-.0013	0.0004
95	6.39	0.9881	0.6344	-.0496	0.0802	-.0164	0.0173	-0.0085	0.0022	-.0016	0.0005
96	6.59	0.9808	0.6734	-.0504	0.0806	-.0161	0.0170	-0.0102	0.0026	-.0018	0.0006
97	6.79	0.9688	0.7132	-.0508	0.0806	-.0157	0.0166	-0.0116	0.0030	-.0020	0.0007
98	6.99	0.9503	0.7492	-.0512	0.0806	-.0152	0.0161	-0.0138	0.0033	-.0022	0.0007
99	7.19	0.9293	0.7868	-.0518	0.0793	-.0145	0.0154	-0.0161	0.0038	-.0023	0.0008
100	7.39	0.8974	0.8238	-.0517	0.0769	-.0139	0.0147	-0.0173	0.0040	-.0024	0.0008
101	7.59	0.8611	0.8594	-.0516	0.0722	-.0130	0.0139	-0.0185	0.0041	-.0025	0.0008
102	7.79	0.8169	0.8930	-.0510	0.0677	-.0119	0.0130	-0.0189	0.0041	-.0025	0.0008
103	7.99	0.7670	0.9252	-.0504	0.0618	-.0108	0.0121	-0.0193	0.0040	-.0024	0.0008
104	8.19	0.7058	0.9529	-.0495	0.0559	-.0097	0.0112	-0.0195	0.0039	-.0024	0.0008
105	8.39	0.6453	0.9803	-.0477	0.0503	-.0085	0.0102	-0.0194	0.0037	-.0023	0.0008
106	8.59	0.5907	1.0039	-.0463	0.0456	-.0076	0.0094	-0.0192	0.0035	-.0021	0.0007
107	8.79	0.5330	1.0246	-.0446	0.0401	-.0068	0.0087	-0.0185	0.0032	-.0020	0.0007
108	8.99	0.4716	1.0437	-.0426	0.0350	-.0060	0.0080	-0.0156	0.0029	-.0018	0.0006
109	9.19	0.4162	1.0588	-.0407	0.0302	-.0053	0.0074	-0.0134	0.0027	-.0016	0.0006
110	9.39	0.3640	1.0724	-.0387	0.0260	-.0047	0.0067	-0.0110	0.0024	-.0015	0.0005
111	9.59	0.3086	1.0829	-.0368	0.0217	-.0040	0.0060	-0.0090	0.0021	-.0013	0.0005
112	9.79	0.2675	1.0928	-.0348	0.0182	-.0034	0.0055	-0.0084	0.0018	-.0012	0.0005
113	9.99	0.2322	1.1008	-.0326	0.0158	-.0029	0.0049	-0.0076	0.0015	-.0010	0.0005
114	10.19	0.2007	1.1074	-.0303	0.0132	-.0026	0.0046	-0.0063	0.0013	-.0009	0.0005
115	10.39	0.1717	1.1130	-.0284	0.0112	-.0024	0.0043	-0.0052	0.0012	-.0008	0.0004
116	10.59	0.1483	1.1177	-.0265	0.0094	-.0021	0.0039	-0.0042	0.0010	-.0007	0.0004
117	10.79	0.1247	1.1213	-.0248	0.0077	-.0017	0.0034	-0.0035	0.0008	-.0006	0.0003
118	10.99	0.1045	1.1244	-.0231	0.0064	-.0014	0.0030	-0.0028	0.0007	-.0005	0.0003
119	11.19	0.0863	1.1271	-.0218	0.0052	-.0010	0.0027	-0.0023	0.0006	-.0004	0.0002
120	11.39	0.0735	1.1292	-.0202	0.0044	-.0009	0.0025	-0.0016	0.0005	-.0004	0.0002
121	11.59	0.0624	1.1309	-.0186	0.0039	-.0009	0.0023	-0.0015	0.0004	-.0003	0.0002
122	11.79	0.0535	1.1316	-.0169	0.0034	-.0008	0.0022	-0.0013	0.0004	-.0003	0.0002
123	11.99	0.0458	1.1324	-.0153	0.0031	-.0007	0.0020	-0.0011	0.0004	-.0003	0.0002
124	12.19	0.0339	1.1333	-.0139	0.0027	-.0006	0.0018	-0.0009	0.0003	-.0002	0.0002
125	12.39	0.0327	1.1341	-.0124	0.0024	-.0005	0.0017	-0.0007	0.0002	-.0002	0.0002
126	12.59	0.0271	1.1349	-.0112	0.0020	-.0004	0.0015	-0.0006	0.0002	-.0002	0.0001

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
127	12.79	0.0230	1.1358	-.0099	0.0017	-.0002	0.0013	-0.0005	0.0001	-.0001	0.0001
128	12.99	0.0192	1.1366	-.0087	0.0015	-.0002	0.0012	-0.0004	0.0001	-.0001	0.0001
129	13.19	0.0168	1.1367	-.0073	0.0013	-.0002	0.0012	-0.0003	0.0001	-.0001	0.0001
130	13.39	0.0140	1.1369	-.0060	0.0012	-.0002	0.0011	-0.0003	0.0001	-.0001	0.0001
131	13.59	0.0117	1.1371	-.0047	0.0011	-.0001	0.0010	-0.0003	0.0001	-.0001	0.0001
132	13.79	0.0094	1.1376	-.0035	0.0010	-.0001	0.0010	-0.0002	0.0001	-.0001	0.0001
133	13.99	0.0077	1.1372	-.0022	0.0009	-.0001	0.0009	-0.0002	0.0001	-.0000	0.0001
134	14.19	0.0061	1.1362	-.0008	0.0008	-.0001	0.0008	-0.0001	0.0001	-.0000	0.0001
135	14.39	0.0048	1.1357	0.0004	0.0006	-.0000	0.0008	-0.0001	0.0001	-.0000	0.0001
136	14.59	0.0037	1.1322	-0.0015	0.0006	-.0000	0.0007	-0.0001	0.0000	-.0000	0.0000
137	14.79	0.0028	1.1335	0.0025	0.0005	0.0000	0.0007	-0.0000	0.0000	-.0000	0.0000
138	14.99	0.0021	1.1326	0.0037	0.0004	0.0000	0.0006	-0.0000	0.0000	-.0000	0.0000
139	15.19	0.0018	1.1326	0.0047	0.0004	0.0000	0.0006	-0.0000	0.0000	-.0000	0.0000
140	15.39	0.0015	1.1342	0.0051	0.0003	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000
141	15.59	0.0016	1.1366	0.0057	0.0003	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000
142	15.79	0.0014	1.1373	0.0065	0.0003	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000
143	15.99	0.0012	1.1380	0.0072	0.0003	0.0000	0.0005	-0.0000	0.0000	0.0000	0.0000
144	16.19	0.0011	1.1386	0.0080	0.0003	0.0000	0.0005	-0.0000	0.0000	0.0000	0.0000
145	16.39	0.0008	1.1378	0.0091	0.0003	0.0000	0.0005	-0.0000	0.0000	0.0000	0.0000

IX= 90; X= 95.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
59	-0.81	0.0117	1.0733	0.1868	0.0020	0.0004	0.0026	-0.0002	0.0000	-.0000	-.0001
60	-0.61	0.0436	1.0673	0.1927	0.0032	0.0008	0.0041	-0.0008	-.0001	-.0001	-.0004
61	-0.41	0.1326	1.0566	0.1957	0.0056	0.0023	0.0067	-0.0015	-.0005	-.0005	-.0008
62	-0.21	0.3208	1.0315	0.1949	0.0109	0.0049	0.0101	-0.0027	-.0012	-.0011	-.0014
63	-0.01	0.5400	0.9758	0.1868	0.0194	0.0098	0.0153	-0.0020	-.0023	-.0020	-.0023
64	0.19	0.6634	0.8854	0.1729	0.0295	0.0157	0.0204	-0.0012	-.0022	-.0018	-.0021
65	0.39	0.8175	0.7741	0.1538	0.0378	0.0212	0.0269	-0.0007	-.0013	-.0008	-.0015
66	0.59	0.9704	0.5818	0.1274	0.0423	0.0214	0.0290	0.0022	-.0003	0.0000	-.0004
67	0.79	0.9984	0.4450	0.0998	0.0438	0.0200	0.0302	0.0016	0.0006	0.0009	0.0002
68	0.99	0.9988	0.3106	0.0711	0.0425	0.0186	0.0290	0.0016	0.0012	0.0015	0.0008
69	1.19	0.9993	0.1931	0.0469	0.0399	0.0135	0.0282	0.0017	0.0012	0.0018	0.0012
70	1.39	0.9995	0.1281	0.0211	0.0369	0.0096	0.0256	0.0017	0.0013	0.0019	0.0014

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
71	1.59	0.9995	0.0612	0.0031	0.0343	0.0058	0.0245	0.0018	0.0010	0.0015	0.0016
72	1.79	0.9996	0.0191	-.0128	0.0321	0.0005	0.0216	0.0019	0.0007	0.0012	0.0015
73	1.99	0.9997	-.0028	-.0260	0.0316	-.0020	0.0216	0.0021	0.0002	0.0007	0.0012
74	2.19	0.9997	-.0142	-.0369	0.0322	-.0046	0.0193	0.0023	0.0002	0.0006	0.0008
75	2.39	0.9998	-.0134	-.0458	0.0329	-.0061	0.0181	0.0027	-.0003	0.0005	0.0006
76	2.59	0.9998	0.0061	-.0510	0.0360	-.0067	0.0177	0.0028	-.0007	0.0004	0.0003
77	2.79	0.9999	0.0306	-.0562	0.0380	-.0078	0.0177	0.0028	-.0008	0.0004	0.0003
78	2.99	0.9998	0.0577	-.0604	0.0414	-.0081	0.0177	0.0027	-.0008	0.0004	0.0002
79	3.19	0.9998	0.0845	-.0655	0.0448	-.0089	0.0179	0.0025	-.0007	0.0003	0.0002
80	3.39	0.9998	0.1089	-.0680	0.0499	-.0099	0.0178	0.0024	-.0007	0.0003	0.0001
81	3.59	0.9999	0.1349	-.0709	0.0544	-.0109	0.0177	0.0024	-.0006	0.0001	0.0001
82	3.79	0.9999	0.1633	-.0749	0.0578	-.0117	0.0177	0.0023	-.0005	0.0001	0.0001
83	3.99	0.9999	0.1925	-.0771	0.0611	-.0124	0.0175	0.0020	-.0003	-.0001	0.0000
84	4.19	0.9999	0.2228	-.0789	0.0639	-.0129	0.0179	0.0012	-.0002	-.0002	0.0000
85	4.39	0.9999	0.2547	-.0796	0.0675	-.0134	0.0181	0.0001	-.0001	-.0003	0.0001
86	4.59	0.9995	0.2859	-.0799	0.0708	-.0139	0.0182	-0.0012	0.0002	-.0004	0.0001
87	4.79	0.9993	0.3196	-.0795	0.0735	-.0143	0.0183	-0.0022	0.0004	-.0006	0.0001
88	4.99	0.9991	0.3553	-.0808	0.0761	-.0146	0.0184	-0.0032	0.0008	-.0008	0.0002
89	5.19	0.9985	0.3934	-.0819	0.0782	-.0149	0.0184	-0.0042	0.0010	-.0009	0.0002
90	5.39	0.9980	0.4315	-.0816	0.0804	-.0150	0.0183	-0.0051	0.0013	-.0010	0.0003
91	5.59	0.9970	0.4705	-.0812	0.0821	-.0149	0.0179	-0.0063	0.0015	-.0011	0.0003
92	5.79	0.9952	0.5062	-.0806	0.0832	-.0146	0.0176	-0.0075	0.0016	-.0012	0.0004
93	5.99	0.9919	0.5444	-.0798	0.0840	-.0143	0.0174	-0.0089	0.0019	-.0014	0.0004
94	6.19	0.9872	0.5806	-.0792	0.0845	-.0140	0.0173	-0.0105	0.0023	-.0016	0.0004
95	6.39	0.9758	0.6196	-.0788	0.0846	-.0141	0.0172	-0.0123	0.0026	-.0018	0.0005
96	6.59	0.9626	0.6578	-.0775	0.0838	-.0138	0.0169	-0.0142	0.0029	-.0020	0.0005
97	6.79	0.9445	0.6972	-.0760	0.0834	-.0134	0.0162	-0.0163	0.0032	-.0021	0.0006
98	6.99	0.9200	0.7309	-.0751	0.0815	-.0128	0.0155	-0.0182	0.0034	-.0023	0.0006
99	7.19	0.8908	0.7659	-.0743	0.0796	-.0120	0.0149	-0.0203	0.0037	-.0024	0.0006
100	7.39	0.8571	0.8006	-.0735	0.0762	-.0112	0.0141	-0.0212	0.0040	-.0024	0.0007
101	7.59	0.8155	0.8328	-.0724	0.0717	-.0105	0.0134	-0.0215	0.0041	-.0025	0.0007
102	7.79	0.7689	0.8626	-.0711	0.0666	-.0098	0.0129	-0.0216	0.0040	-.0025	0.0007
103	7.99	0.7201	0.8907	-.0692	0.0617	-.0090	0.0121	-0.0213	0.0040	-.0025	0.0007
104	8.19	0.6645	0.9169	-.0667	0.0560	-.0086	0.0114	-0.0207	0.0038	-.0024	0.0007
105	8.39	0.6130	0.9410	-.0646	0.0508	-.0078	0.0107	-0.0195	0.0036	-.0023	0.0007
106	8.59	0.5616	0.9612	-.0624	0.0452	-.0069	0.0099	-0.0183	0.0033	-.0022	0.0007

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
107	8.79	0.5097	0.9801	-.0599	0.0401	-.0060	0.0091	-0.0169	0.0029	-.0020	0.0006
108	8.99	0.4585	0.9963	-.0574	0.0347	-.0051	0.0085	-0.0155	0.0026	-.0018	0.0005
109	9.19	0.4189	1.0108	-.0550	0.0307	-.0045	0.0079	-0.0144	0.0023	-.0017	0.0005
110	9.39	0.3734	1.0227	-.0521	0.0280	-.0040	0.0073	-0.0134	0.0021	-.0015	0.0005
111	9.59	0.3331	1.0339	-.0493	0.0249	-.0038	0.0068	-0.0118	0.0020	-.0014	0.0004
112	9.79	0.2998	1.0434	-.0464	0.0222	-.0036	0.0064	-0.0105	0.0019	-.0013	0.0005
113	9.99	0.2591	1.0521	-.0436	0.0196	-.0032	0.0060	-0.0096	0.0017	-.0012	0.0004
114	10.19	0.2289	1.0592	-.0416	0.0171	-.0028	0.0055	-0.0085	0.0015	-.0011	0.0004
115	10.39	0.2028	1.0663	-.0393	0.0151	-.0025	0.0051	-0.0073	0.0013	-.0010	0.0004
116	10.59	0.1767	1.0724	-.0366	0.0131	-.0022	0.0047	-0.0061	0.0011	-.0009	0.0003
117	10.79	0.1548	1.0775	-.0343	0.0115	-.0019	0.0043	-0.0053	0.0009	-.0007	0.0003
118	10.99	0.1333	1.0816	-.0319	0.0099	-.0017	0.0039	-0.0045	0.0009	-.0006	0.0003
119	11.19	0.1153	1.0864	-.0296	0.0086	-.0015	0.0036	-0.0038	0.0008	-.0006	0.0003
120	11.39	0.0992	1.0900	-.0273	0.0073	-.0014	0.0034	-0.0032	0.0008	-.0007	0.0003
121	11.59	0.0858	1.0925	-.0251	0.0062	-.0012	0.0030	-0.0025	0.0007	-.0006	0.0003
122	11.79	0.0734	1.0937	-.0228	0.0051	-.0011	0.0028	-0.0022	0.0006	-.0005	0.0003
123	11.99	0.0635	1.0951	-.0209	0.0042	-.0010	0.0025	-0.0016	0.0005	-.0004	0.0003
124	12.19	0.0537	1.0956	-.0186	0.0035	-.0009	0.0022	-0.0011	0.0004	-.0003	0.0002
125	12.39	0.0456	1.0963	-.0166	0.0029	-.0008	0.0020	-0.0009	0.0003	-.0003	0.0002
126	12.59	0.0383	1.0979	-.0150	0.0026	-.0006	0.0018	-0.0008	0.0003	-.0002	0.0002
127	12.79	0.0312	1.1010	-.0142	0.0023	-.0005	0.0017	-0.0008	0.0003	-.0002	0.0001
128	12.99	0.0255	1.1046	-.0130	0.0018	-.0004	0.0015	-0.0006	0.0002	-.0001	0.0001
129	13.19	0.0205	1.1074	-.0118	0.0015	-.0003	0.0013	-0.0004	0.0001	-.0001	0.0001
130	13.39	0.0158	1.1079	-.0106	0.0012	-.0002	0.0011	-0.0003	0.0001	-.0001	0.0001
131	13.59	0.0128	1.1083	-.0090	0.0011	-.0002	0.0010	-0.0002	0.0001	-.0000	0.0001
132	13.79	0.0101	1.1091	-.0073	0.0010	-.0001	0.0009	-0.0002	0.0001	-.0000	0.0001
133	13.99	0.0089	1.1082	-.0053	0.0009	-.0001	0.0009	-0.0002	0.0001	-.0000	0.0001
134	14.19	0.0069	1.1094	-.0034	0.0008	-.0001	0.0008	-0.0002	0.0000	-.0000	0.0000
135	14.39	0.0053	1.1080	-.0015	0.0007	-.0001	0.0008	-0.0002	0.0000	-.0000	0.0000
136	14.59	0.0044	1.1097	-.0004	0.0007	-.0001	0.0008	-0.0002	0.0000	-.0000	0.0000
137	14.79	0.0036	1.1083	0.0015	0.0007	-.0001	0.0007	-0.0002	0.0000	-.0000	0.0000
138	14.99	0.0035	1.1083	0.0028	0.0007	-.0001	0.0007	-0.0002	0.0000	-.0000	0.0000
139	15.19	0.0030	1.1098	0.0039	0.0007	-.0001	0.0007	-0.0001	0.0001	-.0000	0.0000
140	15.39	0.0031	1.1110	0.0052	0.0006	-.0001	0.0007	-0.0001	0.0000	-.0000	0.0000
141	15.59	0.0027	1.1118	0.0065	0.0005	-.0000	0.0006	-0.0001	0.0000	-.0000	0.0000
142	15.79	0.0023	1.1110	0.0079	0.0004	-.0000	0.0006	-0.0000	0.0000	-.0000	0.0000

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
143	15.99	0.0020	1.1115	0.0093	0.0004	-.0000	0.0006	-0.0000	0.0000	-.0000	0.0000
144	16.19	0.0018	1.1113	0.0107	0.0004	0.0000	0.0005	-0.0000	0.0000	-.0000	0.0000
145	16.39	0.0012	1.1083	0.0123	0.0003	0.0000	0.0005	-0.0000	0.0000	-.0000	0.0000
146	16.59	0.0013	1.1073	0.0140	0.0003	0.0000	0.0005	-0.0000	0.0000	0.0000	0.0000
147	16.79	0.0014	1.1078	0.0150	0.0003	0.0000	0.0005	-0.0000	0.0000	0.0000	0.0000
148	16.99	0.0011	1.1089	0.0160	0.0003	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000
149	17.19	0.0009	1.1102	0.0167	0.0003	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000

IX=-95; X=100.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
56	-1.41	0.0040	1.0153	0.1793	0.0016	0.0002	0.0025	0.0000	-.0000	0.0000	-.0000
57	-1.21	0.0104	1.0144	0.1806	0.0021	0.0003	0.0031	0.0000	-.0000	-.0000	-.0001
58	-1.01	0.0262	1.0138	0.1824	0.0028	0.0004	0.0040	-0.0000	-.0001	-.0000	-.0002
59	-0.81	0.0509	1.0114	0.1846	0.0036	0.0007	0.0053	-0.0000	-.0001	-.0001	-.0004
60	-0.61	0.0890	1.0093	0.1864	0.0048	0.0013	0.0070	-0.0001	-.0002	-.0003	-.0007
61	-0.41	0.1517	1.0033	0.1877	0.0065	0.0022	0.0092	-0.0003	-.0004	-.0005	-.0011
62	-0.21	0.2303	0.9947	0.1887	0.0088	0.0037	0.0122	-0.0007	-.0008	-.0008	-.0017
63	-0.01	0.3231	0.9797	0.1894	0.0118	0.0058	0.0161	-0.0013	-.0012	-.0013	-.0024
64	0.19	0.4280	0.9574	0.1893	0.0156	0.0086	0.0208	-0.0020	-.0018	-.0018	-.0032
65	0.39	0.5418	0.9267	0.1885	0.0208	0.0120	0.0260	-0.0028	-.0025	-.0025	-.0040
66	0.59	0.6487	0.8823	0.1863	0.0270	0.0162	0.0318	-0.0038	-.0030	-.0029	-.0046
67	0.79	0.7475	0.8277	0.1828	0.0319	0.0197	0.0374	-0.0036	-.0032	-.0031	-.0050
68	0.99	0.8335	0.7695	0.1757	0.0370	0.0229	0.0428	-0.0036	-.0030	-.0028	-.0050
69	1.19	0.8757	0.7117	0.1659	0.0410	0.0242	0.0483	-0.0033	-.0024	-.0021	-.0045
70	1.39	0.9131	0.6542	0.1539	0.0429	0.0250	0.0526	-0.0021	-.0016	-.0011	-.0037
71	1.59	0.9220	0.5938	0.1392	0.0438	0.0248	0.0555	-0.0009	-.0005	0.0000	-.0027
72	1.79	0.9460	0.5235	0.1234	0.0429	0.0226	0.0568	0.0002	0.0004	0.0013	-.0005
73	1.99	0.9664	0.4705	0.1063	0.0413	0.0211	0.0574	0.0014	0.0008	0.0016	0.0010
74	2.19	0.9838	0.4153	0.0895	0.0390	0.0183	0.0569	0.0019	0.0013	0.0021	0.0022
75	2.39	0.9884	0.3610	0.0739	0.0361	0.0151	0.0544	0.0019	0.0012	0.0024	0.0033
76	2.59	0.9918	0.3187	0.0588	0.0342	0.0110	0.0511	0.0018	0.0009	0.0024	0.0033
77	2.79	0.9942	0.2885	0.0432	0.0328	0.0071	0.0479	0.0017	0.0005	0.0024	0.0039
78	2.99	0.9958	0.2799	0.0289	0.0342	0.0030	0.0447	0.0018	0.0001	0.0026	0.0039
79	3.19	0.9966	0.2607	0.0155	0.0354	-.0007	0.0414	0.0023	-.0003	0.0014	0.0037

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
80	3.39	0.9973	0.2584	0.0037	0.0380	-.0046	0.0384	0.0026	-.0007	0.0014	0.0034
81	3.59	0.9978	0.2784	-.0071	0.0408	-.0070	0.0358	0.0033	-.0010	0.0010	0.0031
82	3.79	0.9981	0.2758	-.0169	0.0441	-.0089	0.0337	0.0035	-.0012	0.0006	0.0024
83	3.99	0.9984	0.2723	-.0251	0.0477	-.0105	0.0317	0.0036	-.0014	0.0002	0.0025
84	4.19	0.9985	0.2881	-.0318	0.0525	-.0117	0.0307	0.0033	-.0013	-.0001	0.0024
85	4.39	0.9989	0.3068	-.0372	0.0571	-.0128	0.0293	0.0028	-.0010	-.0003	0.0023
86	4.59	0.9992	0.3331	-.0415	0.0624	-.0137	0.0278	0.0020	-.0007	-.0007	0.0020
87	4.79	0.9986	0.3572	-.0455	0.0673	-.0144	0.0265	0.0011	-.0002	-.0009	0.0017
88	4.99	0.9983	0.3816	-.0498	0.0717	-.0149	0.0252	-0.0001	0.0003	-.0012	0.0014
89	5.19	0.9970	0.4106	-.0535	0.0762	-.0151	0.0240	-0.0013	0.0008	-.0015	0.0010
90	5.39	0.9942	0.4447	-.0565	0.0798	-.0151	0.0228	-0.0026	0.0012	-.0017	0.0011
91	5.59	0.9902	0.4730	-.0591	0.0833	-.0148	0.0218	-0.0046	0.0017	-.0018	0.0010
92	5.79	0.9844	0.5041	-.0604	0.0851	-.0146	0.0208	-0.0066	0.0020	-.0020	0.0009
93	5.99	0.9771	0.5361	-.0607	0.0865	-.0144	0.0202	-0.0086	0.0026	-.0021	0.0008
94	6.19	0.9668	0.5710	-.0610	0.0862	-.0139	0.0197	-0.0114	0.0029	-.0023	0.0008
95	6.39	0.9528	0.6047	-.0612	0.0857	-.0135	0.0187	-0.0141	0.0033	-.0024	0.0009
96	6.59	0.9332	0.6395	-.0607	0.0847	-.0128	0.0181	-0.0158	0.0036	-.0025	0.0009
97	6.79	0.9101	0.6725	-.0608	0.0830	-.0121	0.0170	-0.0201	0.0038	-.0026	0.0008
98	6.99	0.8835	0.7027	-.0602	0.0811	-.0113	0.0161	-0.0201	0.0038	-.0027	0.0008
99	7.19	0.8539	0.7321	-.0596	0.0782	-.0107	0.0156	-0.0201	0.0040	-.0027	0.0008
100	7.39	0.8174	0.7626	-.0584	0.0755	-.0099	0.0150	-0.0208	0.0041	-.0027	0.0007
101	7.59	0.7787	0.7901	-.0574	0.0714	-.0093	0.0144	-0.0217	0.0041	-.0027	0.0007
102	7.79	0.7309	0.8169	-.0549	0.0673	-.0088	0.0139	-0.0224	0.0039	-.0026	0.0007
103	7.99	0.7009	0.8350	-.0534	0.0632	-.0082	0.0133	-0.0220	0.0039	-.0026	0.0007
104	8.19	0.6607	0.8550	-.0514	0.0584	-.0076	0.0126	-0.0212	0.0035	-.0025	0.0006
105	8.39	0.6138	0.8809	-.0490	0.0534	-.0069	0.0119	-0.0203	0.0033	-.0024	0.0006
106	8.59	0.5693	0.9002	-.0471	0.0488	-.0063	0.0112	-0.0196	0.0032	-.0023	0.0006
107	8.79	0.5242	0.9187	-.0456	0.0442	-.0054	0.0103	-0.0183	0.0031	-.0022	0.0005
108	8.99	0.4773	0.9383	-.0440	0.0398	-.0048	0.0096	-0.0170	0.0029	-.0020	0.0005
109	9.19	0.4340	0.9503	-.0417	0.0364	-.0044	0.0090	-0.0159	0.0027	-.0019	0.0005
110	9.39	0.3866	0.9635	-.0396	0.0324	-.0040	0.0083	-0.0145	0.0024	-.0017	0.0004
111	9.59	0.3493	0.9752	-.0365	0.0286	-.0037	0.0077	-0.0131	0.0022	-.0015	0.0004
112	9.79	0.3115	0.9856	-.0338	0.0253	-.0034	0.0070	-0.0120	0.0020	-.0014	0.0004
113	9.99	0.2775	0.9961	-.0308	0.0220	-.0031	0.0064	-0.0105	0.0019	-.0013	0.0004
114	10.19	0.2445	1.0042	-.0277	0.0192	-.0028	0.0059	-0.0092	0.0016	-.0011	0.0003
115	10.39	0.2168	1.0124	-.0253	0.0167	-.0024	0.0055	-0.0080	0.0014	-.0010	0.0003

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
116	10.59	0.1926	1.0204	-.0233	0.0145	-.0021	0.0050	-0.0069	0.0012	-.0009	0.0003
117	10.79	0.1697	1.0277	-.0218	0.0126	-.0019	0.0046	-0.0057	0.0011	-.0008	0.0003
118	10.99	0.1482	1.0356	-.0198	0.0107	-.0017	0.0042	-0.0049	0.0010	-.0007	0.0003
119	11.19	0.1303	1.0422	-.0181	0.0095	-.0016	0.0039	-0.0043	0.0009	-.0007	0.0003
120	11.39	0.1130	1.0473	-.0163	0.0083	-.0015	0.0035	-0.0039	0.0008	-.0006	0.0003
121	11.59	0.0976	1.0518	-.0145	0.0073	-.0013	0.0032	-0.0034	0.0007	-.0005	0.0003
122	11.79	0.0839	1.0537	-.0127	0.0064	-.0011	0.0030	-0.0029	0.0006	-.0005	0.0002
123	11.99	0.0718	1.0568	-.0108	0.0055	-.0009	0.0027	-0.0024	0.0005	-.0004	0.0002
124	12.19	0.0612	1.0561	-.0092	0.0045	-.0007	0.0024	-0.0019	0.0004	-.0003	0.0001
125	12.39	0.0534	1.0578	-.0075	0.0039	-.0006	0.0022	-0.0016	0.0003	-.0003	0.0001
126	12.59	0.0465	1.0600	-.0058	0.0033	-.0005	0.0020	-0.0013	0.0003	-.0002	0.0001
127	12.79	0.0403	1.0635	-.0037	0.0030	-.0005	0.0018	-0.0012	0.0003	-.0002	0.0001
128	12.99	0.0359	1.0652	-.0019	0.0027	-.0005	0.0017	-0.0011	0.0003	-.0002	0.0001
129	13.19	0.0311	1.0679	-.0004	0.0026	-.0004	0.0016	-0.0011	0.0003	-.0002	0.0001
130	13.39	0.0262	1.0706	0.0013	0.0024	-.0004	0.0015	-0.0010	0.0002	-.0001	0.0001
131	13.59	0.0224	1.0705	0.0030	0.0022	-.0003	0.0014	-0.0009	0.0002	-.0001	0.0001
132	13.79	0.0191	1.0724	0.0049	0.0019	-.0003	0.0013	-0.0008	0.0002	-.0001	0.0001
133	13.99	0.0168	1.0743	0.0066	0.0017	-.0003	0.0012	-0.0007	0.0001	-.0001	0.0001
134	14.19	0.0148	1.0747	0.0085	0.0015	-.0003	0.0012	-0.0005	0.0001	-.0001	0.0001
135	14.39	0.0132	1.0736	0.0104	0.0014	-.0003	0.0012	-0.0005	0.0002	-.0001	0.0001
136	14.59	0.0114	1.0726	0.0116	0.0013	-.0003	0.0011	-0.0005	0.0002	-.0001	0.0001
137	14.79	0.0095	1.0731	0.0124	0.0013	-.0004	0.0010	-0.0005	0.0002	-.0001	0.0001
138	14.99	0.0076	1.0726	0.0133	0.0012	-.0003	0.0009	-0.0004	0.0002	-.0001	0.0001
139	15.19	0.0060	1.0764	0.0142	0.0009	-.0002	0.0009	-0.0003	0.0001	-.0001	0.0001
140	15.39	0.0040	1.0808	0.0151	0.0007	-.0001	0.0007	-0.0001	0.0001	-.0001	0.0001
141	15.59	0.0032	1.0833	0.0157	0.0005	-.0001	0.0007	-0.0000	0.0000	-.0000	0.0000
142	15.79	0.0027	1.0861	0.0168	0.0004	-.0000	0.0006	0.0000	0.0000	-.0000	0.0000
143	15.99	0.0023	1.0872	0.0181	0.0004	-.0000	0.0006	-0.0000	0.0000	-.0000	0.0000
144	16.19	0.0020	1.0863	0.0195	0.0004	-.0000	0.0006	-0.0000	0.0000	-.0000	0.0000
145	16.39	0.0016	1.0856	0.0210	0.0004	-.0000	0.0005	-0.0000	0.0000	-.0000	0.0000
146	16.59	0.0013	1.0855	0.0222	0.0003	-.0000	0.0005	-0.0000	0.0000	-.0000	0.0000
147	16.79	0.0010	1.0848	0.0235	0.0003	-.0000	0.0005	-0.0000	0.0000	-.0000	0.0000
148	16.99	0.0008	1.0834	0.0249	0.0003	-.0001	0.0005	-0.0000	0.0000	-.0000	0.0000
149	17.19	0.0008	1.0839	0.0258	0.0003	-.0001	0.0005	-0.0000	0.0000	-.0000	0.0000
150	17.39	0.0009	1.0857	0.0262	0.0003	-.0000	0.0005	-0.0000	0.0000	-.0000	0.0000
151	17.59	0.0011	1.0883	0.0270	0.0003	-.0000	0.0005	-0.0000	0.0000	-.0000	0.0000

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
152	17.79	0.0012	1.0899	0.0278	0.0003	-.0000	0.0005	-0.0000	0.0000	-.0000	0.0000

IX=100; X=105.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
53	-2.01	0.0033	0.9990	0.1586	0.0012	0.0001	0.0019	0.0000	-.0000	0.0000	-.0000
54	-1.81	0.0079	0.9988	0.1574	0.0013	0.0001	0.0021	0.0000	-.0000	0.0000	-.0001
55	-1.61	0.0146	0.9985	0.1573	0.0016	-0.0001	0.0025	0.0000	-.0000	-.0000	-.0001
56	-1.41	0.0256	0.9982	0.1569	0.0019	0.0002	0.0031	0.0000	-.0000	-.0000	-.0002
57	-1.21	0.0377	0.9974	0.1584	0.0024	0.0004	0.0038	0.0000	-.0001	-.0000	-.0002
58	-1.01	0.0574	0.9955	0.1606	0.0030	0.0006	0.0047	-0.0000	-.0001	-.0001	-.0004
59	-0.81	0.0826	0.9930	0.1628	0.0038	0.0009	0.0058	-0.0001	-.0002	-.0002	-.0006
60	-0.61	0.1207	0.9895	0.1640	0.0048	0.0015	0.0075	-0.0002	-.0003	-.0003	-.0009
61	-0.41	0.1642	0.9845	0.1645	0.0059	0.0022	0.0095	-0.0002	-.0004	-.0004	-.0013
62	-0.21	0.2152	0.9777	0.1652	0.0074	0.0032	0.0118	-0.0004	-.0006	-.0007	-.0018
63	-0.01	0.2740	0.9686	0.1649	0.0092	0.0044	0.0145	-0.0006	-.0009	-.0009	-.0023
64	0.19	0.3389	0.9567	0.1654	0.0112	0.0059	0.0174	-0.0009	-.0012	-.0012	-.0029
65	0.39	0.4144	0.9430	0.1648	0.0136	0.0075	0.0206	-0.0014	-.0015	-.0015	-.0034
66	0.59	0.4841	0.9251	0.1648	0.0163	0.0093	0.0241	-0.0017	-.0018	-.0018	-.0039
67	0.79	0.5617	0.9029	0.1637	0.0191	0.0113	0.0281	-0.0021	-.0021	-.0021	-.0044
68	0.99	0.6351	0.8787	0.1619	0.0224	0.0132	0.0321	-0.0025	-.0023	-.0023	-.0047
69	1.19	0.6952	0.8505	0.1595	0.0254	0.0152	0.0361	-0.0026	-.0024	-.0023	-.0048
70	1.39	0.7558	0.8211	0.1555	0.0283	0.0171	0.0402	-0.0027	-.0024	-.0022	-.0049
71	1.59	0.7985	0.7885	0.1507	0.0308	0.0187	0.0441	-0.0026	-.0022	-.0020	-.0049
72	1.79	0.8344	0.7539	0.1459	0.0327	0.0196	0.0478	-0.0021	-.0018	-.0016	-.0045
73	1.99	0.8619	0.7205	0.1411	0.0338	0.0203	0.0509	-0.0015	-.0013	-.0010	-.0040
74	2.19	0.8911	0.6865	0.1351	0.0339	0.0201	0.0527	-0.0010	-.0009	-.0004	-.0034
75	2.39	0.9136	0.6515	0.1277	0.0341	0.0190	0.0536	-0.0006	-.0005	0.0003	-.0026
76	2.59	0.9307	0.6186	0.1195	0.0335	0.0175	0.0541	-0.0002	-.0002	0.0009	-.0017
77	2.79	0.9482	0.5876	0.1109	0.0327	0.0161	0.0539	0.0000	0.0001	0.0014	-.0007
78	2.99	0.9496	0.5584	0.1016	0.0319	0.0143	0.0535	0.0002	0.0003	0.0018	0.0001
79	3.19	0.9620	0.5327	0.0912	0.0313	0.0121	0.0530	0.0004	0.0002	0.0021	0.0010
80	3.39	0.9702	0.5106	0.0812	0.0309	0.0098	0.0519	0.0006	0.0001	0.0022	0.0018
81	3.59	0.9751	0.4923	0.0716	0.0308	0.0072	0.0506	0.0007	-.0001	0.0023	0.0024
82	3.79	0.9792	0.4804	0.0632	0.0311	0.0040	0.0491	0.0008	-.0004	0.0024	0.0028

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
83	3.99	0.9827	0.4706	0.0540	0.0319	0.0015	0.0471	0.0010	-.0007	0.0022	0.0032
84	4.19	0.9852	0.4678	0.0466	0.0336	-.0013	0.0453	0.0011	-.0010	0.0019	0.0034
85	4.39	0.9875	0.4678	0.0392	0.0357	-.0040	0.0430	0.0013	-.0012	0.0016	0.0034
86	4.59	0.9884	0.4710	0.0327	0.0383	-.0065	0.0410	0.0015	-.0015	0.0011	0.0033
87	4.79	0.9899	0.4781	0.0258	0.0414	-.0087	0.0389	0.0016	-.0016	0.0006	0.0031
88	4.99	0.9897	0.4906	0.0192	0.0447	-.0106	0.0370	0.0016	-.0015	0.0000	0.0031
89	5.19	0.9883	0.5073	0.0127	0.0485	-.0119	0.0351	0.0013	-.0013	-.0004	0.0028
90	5.39	0.9866	0.5241	0.0081	0.0527	-.0130	0.0332	0.0008	-.0010	-.0009	0.0026
91	5.59	0.9832	0.5427	0.0038	0.0569	-.0137	0.0314	0.0001	-.0006	-.0012	0.0025
92	5.79	0.9826	0.5585	0.0002	0.0611	-.0145	0.0298	-0.0011	-.0001	-.0016	0.0024
93	5.99	0.9800	0.5765	-.0023	0.0645	-.0153	0.0285	-0.0021	0.0004	-.0020	0.0024
94	6.19	0.9666	0.5942	-.0053	0.0673	-.0157	0.0270	-0.0035	0.0010	-.0023	0.0024
95	6.39	0.9497	0.6138	-.0083	0.0688	-.0155	0.0256	-0.0054	0.0015	-.0026	0.0023
96	6.59	0.9328	0.6393	-.0113	0.0697	-.0148	0.0241	-0.0072	0.0020	-.0027	0.0021
97	6.79	0.9097	0.6638	-.0129	0.0700	-.0138	0.0228	-0.0089	0.0025	-.0028	0.0019
98	6.99	0.8864	0.6905	-.0141	0.0697	-.0129	0.0215	-0.0107	0.0029	-.0030	0.0017
99	7.19	0.8564	0.7129	-.0127	0.0688	-.0128	0.0205	-0.0125	0.0033	-.0030	0.0017
100	7.39	0.8243	0.7350	-.0121	0.0675	-.0130	0.0199	-0.0141	0.0036	-.0032	0.0017
101	7.59	0.7891	0.7564	-.0103	0.0653	-.0123	0.0186	-0.0157	0.0036	-.0033	0.0016
102	7.79	0.7519	0.7781	-.0094	0.0626	-.0111	0.0173	-0.0171	0.0037	-.0032	0.0015
103	7.99	0.7119	0.7992	-.0083	0.0598	-.0104	0.0162	-0.0183	0.0037	-.0032	0.0014
104	8.19	0.6711	0.8209	-.0075	0.0570	-.0091	0.0149	-0.0192	0.0037	-.0031	0.0013
105	8.39	0.6293	0.8406	-.0069	0.0538	-.0083	0.0140	-0.0174	0.0036	-.0029	0.0013
106	8.59	0.5875	0.8598	-.0059	0.0504	-.0079	0.0132	-0.0170	0.0037	-.0028	0.0012
107	8.79	0.5454	0.8783	-.0044	0.0469	-.0072	0.0122	-0.0163	0.0036	-.0027	0.0012
108	8.99	0.5034	0.8956	-.0036	0.0433	-.0066	0.0112	-0.0164	0.0034	-.0026	0.0011
109	9.19	0.4617	0.9109	-.0024	0.0396	-.0061	0.0104	-0.0161	0.0032	-.0024	0.0010
110	9.39	0.4209	0.9256	-.0012	0.0365	-.0058	0.0096	-0.0155	0.0030	-.0023	0.0009
111	9.59	0.3810	0.9396	-.0006	0.0333	-.0054	0.0090	-0.0150	0.0029	-.0021	0.0008
112	9.79	0.3445	0.9518	0.0006	0.0303	-.0047	0.0084	-0.0140	0.0026	-.0019	0.0007
113	9.99	0.3088	0.9625	0.0019	0.0270	-.0042	0.0078	-0.0128	0.0023	-.0017	0.0006
114	10.19	0.2774	0.9693	0.0036	0.0240	-.0035	0.0072	-0.0108	0.0020	-.0015	0.0005
115	10.39	0.2488	0.9772	0.0051	0.0210	-.0031	0.0065	-0.0097	0.0017	-.0013	0.0005
116	10.59	0.2223	0.9846	0.0068	0.0186	-.0027	0.0059	-0.0086	0.0016	-.0012	0.0004
117	10.79	0.1981	0.9906	0.0087	0.0163	-.0025	0.0054	-0.0077	0.0015	-.0011	0.0004
118	10.99	0.1782	0.9956	0.0100	0.0145	-.0022	0.0049	-0.0069	0.0013	-.0010	0.0004

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
119	11.19	0.1613	1.0011	0.0113	0.0128	-.0020	0.0045	-0.0061	0.0011	-.0009	0.0004
120	11.39	0.1465	1.0092	0.0125	0.0116	-.0018	0.0042	-0.0055	0.0009	-.0008	0.0004
121	11.59	0.1330	1.0148	0.0137	0.0104	-.0016	0.0040	-0.0049	0.0009	-.0007	0.0003
122	11.79	0.1197	1.0200	0.0150	0.0094	-.0015	0.0037	-0.0044	0.0008	-.0006	0.0003
123	11.99	0.1070	1.0232	0.0168	0.0084	-.0014	0.0035	-0.0039	0.0008	-.0006	0.0003
124	12.19	0.0960	1.0284	0.0178	0.0077	-.0014	0.0033	-0.0036	0.0008	-.0006	0.0003
125	12.39	0.0848	1.0310	0.0191	0.0070	-.0014	0.0032	-0.0033	0.0008	-.0006	0.0003
126	12.59	0.0764	1.0324	0.0203	0.0063	-.0014	0.0030	-0.0030	0.0008	-.0006	0.0003
127	12.79	0.0664	1.0327	0.0227	0.0054	-.0011	0.0028	-0.0024	0.0006	-.0005	0.0003
128	12.99	0.0578	1.0361	0.0239	0.0047	-.0009	0.0025	-0.0020	0.0005	-.0004	0.0002
129	13.19	0.0503	1.0375	0.0252	0.0040	-.0008	0.0023	-0.0016	0.0004	-.0003	0.0002
130	13.39	0.0438	1.0409	0.0263	0.0035	-.0007	0.0021	-0.0013	0.0003	-.0003	0.0002
131	13.59	0.0377	1.0420	0.0276	0.0030	-.0005	0.0019	-0.0011	0.0002	-.0002	0.0001
132	13.79	0.0306	1.0468	0.0278	0.0026	-.0006	0.0017	-0.0010	0.0003	-.0002	0.0001
133	13.99	0.0253	1.0515	0.0280	0.0022	-.0005	0.0015	-0.0008	0.0002	-.0002	0.0001
134	14.19	0.0210	1.0525	0.0287	0.0018	-.0004	0.0014	-0.0006	0.0002	-.0001	0.0001
135	14.39	0.0176	1.0534	0.0296	0.0016	-.0003	0.0013	-0.0005	0.0001	-.0001	0.0001
136	14.59	0.0145	1.0541	0.0306	0.0014	-.0002	0.0012	-0.0004	0.0001	-.0001	0.0001
137	14.79	0.0122	1.0551	0.0316	0.0012	-.0002	0.0011	-0.0004	0.0001	-.0001	0.0001
138	14.99	0.0099	1.0554	0.0330	0.0011	-.0002	0.0010	-0.0003	0.0000	-.0000	0.0001
139	15.19	0.0095	1.0537	0.0344	0.0011	-.0001	0.0010	-0.0004	0.0000	-.0001	0.0001
140	15.39	0.0081	1.0550	0.0354	0.0010	-.0002	0.0009	-0.0003	0.0001	-.0001	0.0001
141	15.59	0.0073	1.0571	0.0359	0.0009	-.0002	0.0009	-0.0003	0.0001	-.0001	0.0001
142	15.79	0.0066	1.0597	0.0361	0.0008	-.0002	0.0008	-0.0002	0.0001	-.0001	0.0001
143	15.99	0.0062	1.0615	0.0367	0.0007	-.0002	0.0008	-0.0002	0.0001	-.0001	0.0001
144	16.19	0.0058	1.0634	0.0371	0.0007	-.0002	0.0008	-0.0001	0.0001	-.0001	0.0001
145	16.39	0.0056	1.0658	0.0373	0.0007	-.0001	0.0007	-0.0002	0.0001	-.0000	0.0001
146	16.59	0.0053	1.0680	0.0376	0.0006	-.0001	0.0007	-0.0001	0.0000	-.0000	0.0000
147	16.79	0.0047	1.0681	0.0386	0.0006	-.0001	0.0007	-0.0001	0.0000	-.0000	0.0000
148	16.99	0.0041	1.0675	0.0399	0.0005	-.0001	0.0006	-0.0001	0.0000	-.0000	0.0000
149	17.19	0.0037	1.0664	0.0414	0.0005	-.0001	0.0006	-0.0001	0.0000	-.0000	0.0000
150	17.39	0.0033	1.0671	0.0422	0.0004	-.0001	0.0006	-0.0001	0.0000	-.0000	0.0000
151	17.59	0.0029	1.0675	0.0433	0.0004	-.0001	0.0005	-0.0001	0.0000	-.0000	0.0000
152	17.79	0.0024	1.0674	0.0444	0.0003	-.0001	0.0005	-0.0000	0.0000	-.0000	0.0000
153	17.99	0.0020	1.0683	0.0449	0.0003	-.0000	0.0005	-0.0000	0.0000	-.0000	0.0000
154	18.19	0.0017	1.0700	0.0450	0.0003	-.0000	0.0005	-0.0000	0.0000	-.0000	0.0000

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
155	18.39	0.0014	1.0727	0.0449	0.0002	-.0000	0.0005	-0.0000	0.0000	-.0000	0.0000
156	18.59	0.0011	1.0736	0.0453	0.0002	-.0000	0.0005	0.0000	0.0000	-.0000	0.0000

IX=105; X=110.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
51	-2.41	0.0053	0.9987	0.1527	0.0010	0.0000	0.0018	0.0000	-.0000	-.0000	-.0000
52	-2.21	0.0062	0.9987	0.1507	0.0010	0.0000	0.0018	0.0000	-.0000	-.0000	-.0001
53	-2.01	0.0076	0.9988	0.1490	0.0011	0.0001	0.0018	0.0000	-.0000	-.0000	-.0001
54	-1.81	0.0156	0.9987	0.1478	0.0013	0.0001	0.0021	0.0000	-.0000	-.0000	-.0001
55	-1.61	0.0277	0.9985	0.1465	0.0016	0.0002	0.0025	0.0000	-.0000	-.0000	-.0001
56	-1.41	0.0410	0.9975	0.1466	0.0019	0.0003	0.0030	-0.0000	-.0001	-.0000	-.0002
57	-1.21	0.0603	0.9964	0.1469	0.0023	0.0004	0.0037	-0.0000	-.0001	-.0000	-.0003
58	-1.01	0.0847	0.9948	0.1472	0.0028	0.0006	0.0045	-0.0000	-.0001	-.0001	-.0005
59	-0.81	0.1176	0.9925	0.1482	0.0035	0.0010	0.0055	-0.0001	-.0002	-.0002	-.0007
60	-0.61	0.1567	0.9894	0.1486	0.0043	0.0014	0.0068	-0.0001	-.0003	-.0003	-.0009
61	-0.41	0.2011	0.9856	0.1488	0.0052	0.0020	0.0081	-0.0002	-.0004	-.0004	-.0012
62	-0.21	0.2498	0.9808	0.1486	0.0063	0.0027	0.0098	-0.0004	-.0005	-.0005	-.0015
63	-0.01	0.3010	0.9748	0.1483	0.0075	0.0035	0.0120	-0.0005	-.0007	-.0006	-.0019
64	0.19	0.3509	0.9674	0.1482	0.0089	0.0044	0.0142	-0.0007	-.0009	-.0008	-.0023
65	0.39	0.4020	0.9584	0.1480	0.0105	0.0052	0.0162	-0.0009	-.0011	-.0010	-.0026
66	0.59	0.4551	0.9480	0.1474	0.0122	0.0061	0.0186	-0.0010	-.0012	-.0011	-.0029
67	0.79	0.5092	0.9359	0.1474	0.0139	0.0072	0.0211	-0.0012	-.0014	-.0013	-.0032
68	0.99	0.5580	0.9223	0.1471	0.0156	0.0083	0.0238	-0.0015	-.0016	-.0014	-.0036
69	1.19	0.6049	0.9061	0.1463	0.0173	0.0095	0.0268	-0.0016	-.0016	-.0015	-.0039
70	1.39	0.6573	0.8884	0.1459	0.0191	0.0107	0.0298	-0.0016	-.0017	-.0015	-.0042
71	1.59	0.7096	0.8693	0.1444	0.0208	0.0117	0.0328	-0.0016	-.0016	-.0015	-.0043
72	1.79	0.7485	0.8481	0.1424	0.0222	0.0126	0.0358	-0.0015	-.0015	-.0014	-.0042
73	1.99	0.7848	0.8259	0.1400	0.0235	0.0135	0.0385	-0.0015	-.0014	-.0012	-.0041
74	2.19	0.8138	0.8028	0.1363	0.0246	0.0140	0.0409	-0.0013	-.0012	-.0009	-.0038
75	2.39	0.8403	0.7798	0.1315	0.0254	0.0144	0.0428	-0.0011	-.0010	-.0006	-.0035
76	2.59	0.8609	0.7586	0.1268	0.0260	0.0143	0.0441	-0.0009	-.0008	-.0003	-.0032
77	2.79	0.8798	0.7382	0.1219	0.0266	0.0140	0.0449	-0.0006	-.0006	0.0001	-.0027
78	2.99	0.8975	0.7177	0.1173	0.0267	0.0133	0.0459	-0.0003	-.0004	0.0004	-.0023
79	3.19	0.9092	0.6985	0.1130	0.0265	0.0124	0.0463	-0.0002	-.0002	0.0008	-.0016

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
80	3.39	0.9217	0.6800	0.1082	0.0262	0.0111	0.0464	-0.0002	-.0001	0.0011	-.0012
81	3.59	0.9331	0.6630	0.1027	0.0259	0.0097	0.0464	-0.0001	-.0001	0.0014	-.0006
82	3.79	0.9437	0.6480	0.0969	0.0256	0.0082	0.0462	-0.0001	-.0002	0.0016	-.0001
83	3.99	0.9520	0.6349	0.0906	0.0254	0.0064	0.0455	-0.0001	-.0003	0.0017	0.0004
84	4.19	0.9596	0.6248	0.0838	0.0254	0.0048	0.0446	-0.0000	-.0004	0.0017	0.0009
85	4.39	0.9657	0.6159	0.0788	0.0257	0.0031	0.0439	-0.0000	-.0006	0.0017	0.0014
86	4.59	0.9685	0.6099	0.0739	0.0263	0.0012	0.0429	0.0000	-.0007	0.0016	0.0017
87	4.79	0.9694	0.6062	0.0699	0.0275	-.0007	0.0421	0.0001	-.0009	0.0014	0.0019
88	4.99	0.9734	0.6014	0.0668	0.0289	-.0027	0.0413	0.0002	-.0010	0.0013	0.0021
89	5.19	0.9767	0.6039	0.0631	0.0306	-.0044	0.0401	0.0002	-.0011	0.0010	0.0023
90	5.39	0.9777	0.6078	0.0592	0.0326	-.0061	0.0390	0.0004	-.0012	0.0008	0.0025
91	5.59	0.9762	0.6154	0.0550	0.0348	-.0077	0.0374	0.0004	-.0012	0.0004	0.0026
92	5.79	0.9710	0.6250	0.0517	0.0375	-.0090	0.0357	0.0001	-.0011	0.0000	0.0027
93	5.99	0.9642	0.6351	0.0479	0.0399	-.0103	0.0342	-0.0002	-.0009	-.0003	0.0028
94	6.19	0.9555	0.6472	0.0447	0.0418	-.0113	0.0326	-0.0005	-.0007	-.0006	0.0029
95	6.39	0.9463	0.6608	0.0407	0.0436	-.0121	0.0311	-0.0012	-.0004	-.0010	0.0029
96	6.59	0.9344	0.6755	0.0373	0.0454	-.0126	0.0294	-0.0018	-.0000	-.0014	0.0029
97	6.79	0.9167	0.6911	0.0342	0.0472	-.0129	0.0281	-0.0027	0.0003	-.0017	0.0028
98	6.99	0.8981	0.7075	0.0330	0.0489	-.0130	0.0267	-0.0036	0.0008	-.0020	0.0027
99	7.19	0.8768	0.7248	0.0302	0.0499	-.0129	0.0254	-0.0049	0.0012	-.0022	0.0026
100	7.39	0.8527	0.7416	0.0298	0.0502	-.0127	0.0240	-0.0059	0.0016	-.0025	0.0025
101	7.59	0.8259	0.7593	0.0294	0.0506	-.0124	0.0226	-0.0070	0.0019	-.0027	0.0024
102	7.79	0.7963	0.7782	0.0291	0.0505	-.0121	0.0211	-0.0081	0.0022	-.0028	0.0023
103	7.99	0.7610	0.7939	0.0284	0.0500	-.0116	0.0199	-0.0086	0.0025	-.0028	0.0022
104	8.19	0.7263	0.8126	0.0289	0.0494	-.0113	0.0187	-0.0093	0.0027	-.0029	0.0021
105	8.39	0.6893	0.8301	0.0295	0.0478	-.0108	0.0175	-0.0100	0.0029	-.0028	0.0019
106	8.59	0.6514	0.8457	0.0297	0.0465	-.0102	0.0163	-0.0106	0.0030	-.0028	0.0018
107	8.79	0.6143	0.8605	0.0302	0.0443	-.0095	0.0152	-0.0114	0.0030	-.0027	0.0016
108	8.99	0.5768	0.8739	0.0304	0.0422	-.0088	0.0142	-0.0117	0.0030	-.0027	0.0015
109	9.19	0.5393	0.8874	0.0311	0.0396	-.0081	0.0132	-0.0118	0.0030	-.0025	0.0014
110	9.39	0.4975	0.8975	0.0317	0.0373	-.0072	0.0124	-0.0121	0.0029	-.0024	0.0013
111	9.59	0.4618	0.9084	0.0325	0.0351	-.0065	0.0116	-0.0121	0.0028	-.0023	0.0011
112	9.79	0.4275	0.9201	0.0339	0.0332	-.0062	0.0109	-0.0119	0.0027	-.0023	0.0011
113	9.99	0.3920	0.9311	0.0355	0.0310	-.0058	0.0103	-0.0116	0.0026	-.0022	0.0011
114	10.19	0.3614	0.9412	0.0370	0.0289	-.0056	0.0097	-0.0112	0.0025	-.0021	0.0011
115	10.39	0.3326	0.9495	0.0382	0.0272	-.0052	0.0090	-0.0108	0.0024	-.0020	0.0010

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
116	10.59	0.3060	0.9587	0.0396	0.0256	-.0050	0.0084	-0.0103	0.0023	-.0019	0.0010
117	10.79	0.2793	0.9678	0.0405	0.0236	-.0047	0.0079	-0.0097	0.0022	-.0018	0.0010
118	10.99	0.2536	0.9749	0.0416	0.0214	-.0043	0.0072	-0.0091	0.0021	-.0016	0.0009
119	11.19	0.2298	0.9804	0.0425	0.0192	-.0038	0.0066	-0.0086	0.0019	-.0014	0.0008
120	11.39	0.2087	0.9819	0.0443	0.0174	-.0035	0.0060	-0.0079	0.0018	-.0013	0.0007
121	11.59	0.1880	0.9873	0.0450	0.0157	-.0031	0.0054	-0.0071	0.0017	-.0012	0.0007
122	11.79	0.1689	0.9925	0.0460	0.0140	-.0029	0.0050	-0.0063	0.0015	-.0011	0.0006
123	11.99	0.1516	0.9964	0.0465	0.0127	-.0026	0.0046	-0.0055	0.0014	-.0010	0.0005
124	12.19	0.1360	1.0007	0.0470	0.0113	-.0023	0.0042	-0.0048	0.0012	-.0009	0.0005
125	12.39	0.1198	1.0066	0.0472	0.0102	-.0021	0.0039	-0.0041	0.0011	-.0008	0.0004
126	12.59	0.1053	1.0146	0.0482	0.0086	-.0019	0.0037	-0.0036	0.0009	-.0007	0.0004
127	12.79	0.0931	1.0198	0.0491	0.0076	-.0017	0.0035	-0.0032	0.0008	-.0007	0.0004
128	12.99	0.0815	1.0230	0.0505	0.0067	-.0016	0.0034	-0.0027	0.0008	-.0006	0.0005
129	13.19	0.0724	1.0257	0.0518	0.0059	-.0016	0.0032	-0.0024	0.0007	-.0006	0.0005
130	13.39	0.0641	1.0293	0.0525	0.0053	-.0015	0.0030	-0.0022	0.0007	-.0005	0.0005
131	13.59	0.0570	1.0308	0.0531	0.0048	-.0014	0.0027	-0.0021	0.0007	-.0005	0.0004
132	13.79	0.0499	1.0309	0.0539	0.0042	-.0013	0.0025	-0.0020	0.0006	-.0005	0.0004
133	13.99	0.0452	1.0299	0.0543	0.0041	-.0012	0.0023	-0.0018	0.0006	-.0004	0.0003
134	14.19	0.0395	1.0330	0.0543	0.0036	-.0011	0.0021	-0.0016	0.0006	-.0004	0.0003
135	14.39	0.0340	1.0350	0.0546	0.0031	-.0009	0.0019	-0.0014	0.0005	-.0003	0.0002
136	14.59	0.0295	1.0371	0.0549	0.0027	-.0008	0.0017	-0.0012	0.0004	-.0002	0.0002
137	14.79	0.0259	1.0392	0.0551	0.0024	-.0006	0.0016	-0.0010	0.0003	-.0002	0.0002
138	14.99	0.0223	1.0410	0.0556	0.0022	-.0006	0.0015	-0.0009	0.0003	-.0002	0.0002
139	15.19	0.0196	1.0438	0.0559	0.0020	-.0006	0.0014	-0.0008	0.0002	-.0002	0.0002
140	15.39	0.0173	1.0468	0.0561	0.0019	-.0005	0.0013	-0.0007	0.0002	-.0002	0.0002
141	15.59	0.0150	1.0473	0.0567	0.0017	-.0005	0.0013	-0.0006	0.0002	-.0001	0.0002
142	15.79	0.0131	1.0477	0.0577	0.0015	-.0005	0.0012	-0.0006	0.0002	-.0001	0.0002
143	15.99	0.0112	1.0484	0.0585	0.0014	-.0004	0.0011	-0.0005	0.0002	-.0001	0.0002
144	16.19	0.0097	1.0493	0.0592	0.0012	-.0004	0.0010	-0.0005	0.0002	-.0001	0.0001
145	16.39	0.0082	1.0500	0.0598	0.0011	-.0003	0.0009	-0.0004	0.0002	-.0001	0.0001
146	16.59	0.0070	1.0500	0.0606	0.0010	-.0003	0.0008	-0.0003	0.0001	-.0001	0.0001
147	16.79	0.0063	1.0518	0.0606	0.0008	-.0002	0.0007	-0.0003	0.0001	-.0001	0.0001
148	16.99	0.0057	1.0536	0.0607	0.0007	-.0002	0.0007	-0.0002	0.0001	-.0000	0.0001
149	17.19	0.0051	1.0548	0.0608	0.0007	-.0002	0.0007	-0.0002	0.0001	-.0000	0.0000
150	17.39	0.0046	1.0558	0.0609	0.0006	-.0001	0.0006	-0.0002	0.0001	-.0000	0.0000
151	17.59	0.0041	1.0564	0.0610	0.0005	-.0001	0.0006	-0.0001	0.0000	-.0000	0.0000

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
152	17.79	0.0036	1.0569	0.0611	0.0004	-.0001	0.0006	-0.0001	0.0000	-.0000	0.0000
153	17.99	0.0032	1.0570	0.0616	0.0004	-.0001	0.0006	-0.0001	0.0000	-.0000	0.0000
154	18.19	0.0027	1.0563	0.0621	0.0003	-.0001	0.0006	-0.0000	0.0000	-.0000	0.0000
155	18.39	0.0023	1.0554	0.0627	0.0003	-.0001	0.0005	-0.0000	0.0000	-.0000	0.0000
156	18.59	0.0019	1.0548	0.0633	0.0003	-.0001	0.0005	-0.0000	0.0000	-.0000	0.0000
157	18.79	0.0016	1.0541	0.0638	0.0002	-.0001	0.0005	0.0000	0.0000	-.0000	0.0000
158	18.99	0.0013	1.0535	0.0645	0.0002	-.0001	0.0005	-0.0000	0.0000	-.0000	0.0000
159	19.19	0.0010	1.0532	0.0650	0.0002	-.0000	0.0005	0.0000	0.0000	-.0000	0.0000

IX=110; X=115.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
50	-2.61	0.0085	1.0026	0.1470	0.0009	0.0000	0.0015	0.0000	-.0000	-.0000	-.0001
51	-2.41	0.0135	1.0022	0.1458	0.0010	0.0000	0.0017	0.0000	-.0000	-.0000	-.0001
52	-2.21	0.0169	1.0017	0.1448	0.0011	0.0001	0.0018	0.0000	-.0000	-.0000	-.0001
53	-2.01	0.0229	1.0016	0.1436	0.0012	0.0001	0.0019	0.0000	-.0000	-.0000	-.0001
54	-1.81	0.0310	1.0019	0.1419	0.0012	0.0001	0.0021	0.0000	-.0000	-.0000	-.0001
55	-1.61	0.0428	1.0020	0.1407	0.0014	0.0001	0.0024	0.0000	-.0000	-.0000	-.0002
56	-1.41	0.0607	1.0016	0.1403	0.0017	0.0003	0.0028	0.0000	-.0001	-.0000	-.0003
57	-1.21	0.0829	1.0010	0.1401	0.0020	0.0004	0.0034	-0.0000	-.0001	-.0001	-.0004
58	-1.01	0.1080	1.0001	0.1402	0.0025	0.0006	0.0041	-0.0000	-.0001	-.0001	-.0005
59	-0.81	0.1391	0.9983	0.1410	0.0030	0.0009	0.0050	-0.0001	-.0002	-.0002	-.0007
60	-0.61	0.1720	0.9961	0.1415	0.0036	0.0012	0.0059	-0.0001	-.0002	-.0002	-.0008
61	-0.41	0.2130	0.9939	0.1420	0.0043	0.0016	0.0070	-0.0002	-.0003	-.0003	-.0010
62	-0.21	0.2562	0.9906	0.1424	0.0050	0.0020	0.0082	-0.0003	-.0004	-.0003	-.0013
63	-0.01	0.2986	0.9867	0.1426	0.0059	0.0025	0.0095	-0.0003	-.0005	-.0004	-.0015
64	0.19	0.3431	0.9813	0.1431	0.0069	0.0030	0.0111	-0.0004	-.0006	-.0005	-.0017
65	0.39	0.3880	0.9746	0.1433	0.0078	0.0036	0.0128	-0.0005	-.0007	-.0006	-.0020
66	0.59	0.4300	0.9673	0.1432	0.0090	0.0042	0.0148	-0.0007	-.0008	-.0007	-.0023
67	0.79	0.4754	0.9584	0.1430	0.0102	0.0049	0.0167	-0.0008	-.0009	-.0008	-.0025
68	0.99	0.5166	0.9481	0.1425	0.0115	0.0058	0.0187	-0.0009	-.0010	-.0009	-.0028
69	1.19	0.5588	0.9370	0.1418	0.0129	0.0066	0.0207	-0.0011	-.0011	-.0010	-.0030
70	1.39	0.6011	0.9252	0.1413	0.0143	0.0074	0.0226	-0.0012	-.0012	-.0011	-.0032
71	1.59	0.6434	0.9123	0.1402	0.0156	0.0080	0.0248	-0.0012	-.0013	-.0011	-.0033
72	1.79	0.6792	0.8986	0.1387	0.0167	0.0086	0.0268	-0.0013	-.0013	-.0011	-.0034

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
73	1.99	0.7143	0.8838	0.1372	0.0178	0.0090	0.0290	-0.0012	-.0012	-.0010	-.0034
74	2.19	0.7464	0.8684	0.1354	0.0187	0.0096	0.0309	-0.0012	-.0011	-.0008	-.0034
75	2.39	0.7761	0.8531	0.1332	0.0195	0.0103	0.0326	-0.0011	-.0010	-.0007	-.0033
76	2.59	0.8030	0.8363	0.1304	0.0202	0.0105	0.0342	-0.0009	-.0009	-.0005	-.0032
77	2.79	0.8264	0.8203	0.1273	0.0208	0.0104	0.0355	-0.0008	-.0008	-.0003	-.0029
78	2.99	0.8471	0.8044	0.1246	0.0212	0.0103	0.0367	-0.0007	-.0007	-.0002	-.0027
79	3.19	0.8643	0.7889	0.1218	0.0214	0.0100	0.0377	-0.0006	-.0005	0.0000	-.0024
80	3.39	0.8796	0.7744	0.1187	0.0215	0.0096	0.0383	-0.0005	-.0004	0.0002	-.0021
81	3.59	0.8910	0.7607	0.1157	0.0214	0.0091	0.0389	-0.0004	-.0003	0.0004	-.0018
82	3.79	0.9036	0.7482	0.1123	0.0213	0.0084	0.0393	-0.0004	-.0003	0.0006	-.0014
83	3.99	0.9154	0.7377	0.1090	0.0214	0.0076	0.0399	-0.0003	-.0003	0.0008	-.0010
84	4.19	0.9249	0.7284	0.1056	0.0214	0.0066	0.0401	-0.0003	-.0003	0.0010	-.0005
85	4.39	0.9307	0.7210	0.1016	0.0217	0.0054	0.0402	-0.0003	-.0004	0.0012	-.0000
86	4.59	0.9354	0.7145	0.0979	0.0218	0.0042	0.0400	-0.0003	-.0005	0.0014	0.0004
87	4.79	0.9403	0.7074	0.0943	0.0220	0.0026	0.0395	-0.0003	-.0005	0.0014	0.0007
88	4.99	0.9462	0.7018	0.0909	0.0223	0.0011	0.0390	-0.0002	-.0006	0.0013	0.0011
89	5.19	0.9513	0.6981	0.0877	0.0227	-.0003	0.0382	-0.0002	-.0007	0.0013	0.0013
90	5.39	0.9578	0.6955	0.0845	0.0232	-.0011	0.0373	-0.0001	-.0007	0.0012	0.0015
91	5.59	0.9622	0.6957	0.0816	0.0240	-.0022	0.0362	-0.0001	-.0008	0.0010	0.0016
92	5.79	0.9627	0.6954	0.0785	0.0253	-.0036	0.0349	-0.0001	-.0008	0.0009	0.0017
93	5.99	0.9629	0.6983	0.0758	0.0266	-.0047	0.0337	-0.0001	-.0009	0.0006	0.0017
94	6.19	0.9597	0.7032	0.0732	0.0279	-.0059	0.0327	-0.0001	-.0008	0.0004	0.0018
95	6.39	0.9546	0.7098	0.0708	0.0293	-.0068	0.0317	-0.0003	-.0008	0.0002	0.0019
96	6.59	0.9454	0.7209	0.0683	0.0308	-.0079	0.0308	-0.0005	-.0007	-.0001	0.0020
97	6.79	0.9362	0.7299	0.0661	0.0323	-.0088	0.0298	-0.0009	-.0005	-.0004	0.0021
98	6.99	0.9214	0.7414	0.0641	0.0338	-.0095	0.0290	-0.0013	-.0003	-.0006	0.0022
99	7.19	0.9075	0.7534	0.0624	0.0352	-.0102	0.0283	-0.0017	-.0001	-.0009	0.0023
100	7.39	0.8920	0.7662	0.0611	0.0363	-.0111	0.0273	-0.0022	0.0001	-.0010	0.0024
101	7.59	0.8745	0.7783	0.0599	0.0372	-.0113	0.0261	-0.0027	0.0003	-.0013	0.0024
102	7.79	0.8547	0.7902	0.0589	0.0380	-.0111	0.0247	-0.0033	0.0005	-.0014	0.0024
103	7.99	0.8275	0.8029	0.0575	0.0377	-.0109	0.0234	-0.0039	0.0008	-.0017	0.0023
104	8.19	0.7983	0.8141	0.0566	0.0380	-.0106	0.0220	-0.0045	0.0010	-.0018	0.0023
105	8.39	0.7712	0.8237	0.0568	0.0378	-.0103	0.0208	-0.0052	0.0012	-.0019	0.0022
106	8.59	0.7406	0.8359	0.0561	0.0374	-.0098	0.0196	-0.0057	0.0014	-.0021	0.0021
107	8.79	0.7102	0.8483	0.0565	0.0367	-.0095	0.0186	-0.0063	0.0016	-.0021	0.0020
108	8.99	0.6783	0.8609	0.0566	0.0359	-.0091	0.0176	-0.0068	0.0018	-.0022	0.0019

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
109	9.19	0.6447	0.8736	0.0579	0.0351	-.0090	0.0169	-0.0073	0.0020	-.0023	0.0019
110	9.39	0.6106	0.8846	0.0599	0.0344	-.0090	0.0165	-0.0075	0.0021	-.0023	0.0019
111	9.59	0.5772	0.8967	0.0617	0.0336	-.0089	0.0159	-0.0078	0.0022	-.0023	0.0019
112	9.79	0.5472	0.9071	0.0630	0.0327	-.0087	0.0151	-0.0079	0.0023	-.0024	0.0019
113	9.99	0.5152	0.9159	0.0641	0.0317	-.0084	0.0143	-0.0082	0.0023	-.0023	0.0018
114	10.19	0.4803	0.9231	0.0647	0.0304	-.0079	0.0133	-0.0082	0.0025	-.0022	0.0017
115	10.39	0.4494	0.9307	0.0652	0.0289	-.0074	0.0124	-0.0081	0.0024	-.0022	0.0015
116	10.59	0.4191	0.9364	0.0655	0.0275	-.0068	0.0114	-0.0082	0.0024	-.0021	0.0014
117	10.79	0.3878	0.9418	0.0659	0.0258	-.0063	0.0105	-0.0080	0.0023	-.0020	0.0013
118	10.99	0.3582	0.9487	0.0663	0.0242	-.0058	0.0097	-0.0079	0.0022	-.0018	0.0012
119	11.19	0.3314	0.9562	0.0667	0.0224	-.0053	0.0090	-0.0076	0.0021	-.0017	0.0011
120	11.39	0.3030	0.9653	0.0672	0.0206	-.0049	0.0084	-0.0071	0.0019	-.0016	0.0011
121	11.59	0.2759	0.9732	0.0677	0.0189	-.0045	0.0077	-0.0067	0.0018	-.0015	0.0010
122	11.79	0.2499	0.9821	0.0682	0.0173	-.0041	0.0073	-0.0062	0.0016	-.0014	0.0010
123	11.99	0.2249	0.9887	0.0687	0.0157	-.0037	0.0068	-0.0057	0.0015	-.0013	0.0009
124	12.19	0.2040	0.9960	0.0694	0.0144	-.0035	0.0064	-0.0051	0.0014	-.0012	0.0009
125	12.39	0.1829	1.0017	0.0701	0.0129	-.0031	0.0060	-0.0046	0.0013	-.0011	0.0008
126	12.59	0.1648	1.0051	0.0710	0.0115	-.0029	0.0055	-0.0041	0.0012	-.0010	0.0008
127	12.79	0.1461	1.0077	0.0722	0.0102	-.0027	0.0050	-0.0037	0.0011	-.0009	0.0007
128	12.99	0.1301	1.0099	0.0731	0.0090	-.0025	0.0047	-0.0032	0.0010	-.0008	0.0007
129	13.19	0.1172	1.0119	0.0737	0.0081	-.0023	0.0043	-0.0029	0.0009	-.0008	0.0007
130	13.39	0.1069	1.0134	0.0745	0.0073	-.0022	0.0040	-0.0028	0.0009	-.0007	0.0007
131	13.59	0.0979	1.0156	0.0751	0.0066	-.0021	0.0037	-0.0025	0.0009	-.0007	0.0006
132	13.79	0.0897	1.0196	0.0754	0.0065	-.0020	0.0036	-0.0025	0.0009	-.0006	0.0006
133	13.99	0.0816	1.0227	0.0758	0.0062	-.0019	0.0034	-0.0025	0.0009	-.0006	0.0005
134	14.19	0.0751	1.0258	0.0760	0.0058	-.0018	0.0031	-0.0024	0.0008	-.0005	0.0005
135	14.39	0.0689	1.0284	0.0760	0.0058	-.0017	0.0030	-0.0024	0.0008	-.0005	0.0005
136	14.59	0.0626	1.0309	0.0763	0.0054	-.0016	0.0028	-0.0023	0.0008	-.0005	0.0004
137	14.79	0.0565	1.0327	0.0767	0.0051	-.0015	0.0026	-0.0022	0.0007	-.0005	0.0004
138	14.99	0.0506	1.0339	0.0771	0.0046	-.0013	0.0024	-0.0019	0.0007	-.0004	0.0004
139	15.19	0.0456	1.0344	0.0777	0.0041	-.0013	0.0023	-0.0017	0.0006	-.0004	0.0003
140	15.39	0.0402	1.0355	0.0783	0.0036	-.0011	0.0021	-0.0015	0.0006	-.0003	0.0003
141	15.59	0.0355	1.0362	0.0786	0.0032	-.0010	0.0019	-0.0013	0.0005	-.0003	0.0003
142	15.79	0.0306	1.0363	0.0789	0.0026	-.0009	0.0018	-0.0009	0.0004	-.0003	0.0003
143	15.99	0.0273	1.0379	0.0791	0.0023	-.0008	0.0017	-0.0008	0.0004	-.0003	0.0003
144	16.19	0.0242	1.0394	0.0793	0.0020	-.0008	0.0016	-0.0007	0.0003	-.0002	0.0003

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
145	16.39	0.0212	1.0417	0.0792	0.0018	-.0007	0.0015	-0.0006	0.0003	-.0002	0.0002
146	16.59	0.0178	1.0439	0.0790	0.0015	-.0005	0.0013	-0.0005	0.0002	-.0002	0.0002
147	16.79	0.0156	1.0456	0.0789	0.0013	-.0004	0.0012	-0.0004	0.0002	-.0001	0.0002
148	16.99	0.0137	1.0468	0.0788	0.0012	-.0004	0.0012	-0.0003	0.0001	-.0001	0.0001
149	17.19	0.0123	1.0470	0.0790	0.0011	-.0003	0.0011	-0.0003	0.0001	-.0001	0.0001
150	17.39	0.0108	1.0469	0.0791	0.0009	-.0003	0.0010	-0.0002	0.0001	-.0001	0.0001
151	17.59	0.0096	1.0464	0.0794	0.0008	-.0003	0.0009	-0.0002	0.0001	-.0001	0.0001
152	17.79	0.0087	1.0456	0.0797	0.0008	-.0003	0.0009	-0.0001	0.0001	-.0001	0.0001
153	17.99	0.0080	1.0445	0.0800	0.0007	-.0002	0.0008	-0.0001	0.0001	-.0000	0.0001
154	18.19	0.0075	1.0428	0.0804	0.0007	-.0002	0.0007	-0.0001	0.0001	-.0000	0.0001
155	18.39	0.0070	1.0417	0.0808	0.0006	-.0002	0.0007	-0.0001	0.0001	-.0000	0.0001
156	18.59	0.0070	1.0399	0.0812	0.0006	-.0002	0.0007	-0.0001	0.0001	-.0000	0.0001
157	18.79	0.0068	1.0387	0.0816	0.0006	-.0002	0.0006	-0.0001	0.0001	-.0000	0.0001
158	18.99	0.0067	1.0376	0.0820	0.0006	-.0002	0.0006	-0.0001	0.0001	-.0000	0.0001
159	19.19	0.0065	1.0371	0.0823	0.0005	-.0002	0.0006	-0.0002	0.0001	-.0000	0.0000
160	19.39	0.0063	1.0368	0.0826	0.0005	-.0002	0.0006	-0.0002	0.0001	-.0000	0.0000
161	19.59	0.0060	1.0375	0.0829	0.0005	-.0002	0.0005	-0.0002	0.0001	-.0000	0.0000
162	19.79	0.0055	1.0382	0.0831	0.0005	-.0001	0.0005	-0.0002	0.0001	-.0000	0.0000

IX=120; X=125.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
49	-2.81	0.0123	1.0117	0.1447	0.0006	0.0000	0.0011	-0.0000	-.0000	-.0000	-.0000
50	-2.61	0.0162	1.0121	0.1452	0.0007	0.0000	0.0012	-0.0000	-.0000	-.0000	-.0001
51	-2.41	0.0186	1.0126	0.1459	0.0008	0.0001	0.0013	-0.0000	-.0000	-.0000	-.0001
52	-2.21	0.0225	1.0130	0.1465	0.0008	0.0001	0.0015	0.0000	-.0000	-.0000	-.0001
53	-2.01	0.0300	1.0131	0.1466	0.0010	0.0001	0.0016	-0.0000	-.0000	-.0000	-.0001
54	-1.81	0.0394	1.0132	0.1465	0.0011	0.0001	0.0018	-0.0000	-.0000	-.0000	-.0001
55	-1.61	0.0512	1.0128	0.1462	0.0013	0.0002	0.0022	-0.0000	-.0001	-.0000	-.0002
56	-1.41	0.0651	1.0125	0.1457	0.0014	0.0003	0.0026	-0.0000	-.0001	-.0000	-.0003
57	-1.21	0.0837	1.0123	0.1451	0.0017	0.0003	0.0029	-0.0000	-.0001	-.0001	-.0004
58	-1.01	0.1055	1.0115	0.1444	0.0019	0.0004	0.0033	-0.0000	-.0001	-.0001	-.0004
59	-0.81	0.1289	1.0106	0.1440	0.0021	0.0005	0.0037	-0.0000	-.0001	-.0001	-.0005
60	-0.61	0.1583	1.0094	0.1436	0.0023	0.0006	0.0040	-0.0001	-.0001	-.0001	-.0005
61	-0.41	0.1923	1.0078	0.1432	0.0026	0.0007	0.0044	-0.0001	-.0002	-.0001	-.0006

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
62	-0.21	0.2299	1.0057	0.1431	0.0029	0.0009	0.0050	-0.0001	-.0002	-.0001	-.0007
63	-0.01	0.2689	1.0029	0.1429	0.0033	0.0011	0.0057	-0.0001	-.0002	-.0002	-.0008
64	0.19	0.3050	1.0000	0.1427	0.0038	0.0014	0.0066	-0.0002	-.0003	-.0002	-.0009
65	0.39	0.3413	0.9969	0.1426	0.0044	0.0017	0.0076	-0.0002	-.0003	-.0003	-.0011
66	0.59	0.3789	0.9932	0.1426	0.0051	0.0020	0.0086	-0.0003	-.0004	-.0003	-.0013
67	0.79	0.4158	0.9892	0.1427	0.0058	0.0024	0.0097	-0.0003	-.0005	-.0004	-.0014
68	0.99	0.4519	0.9844	0.1425	0.0065	0.0027	0.0107	-0.0004	-.0005	-.0004	-.0015
69	1.19	0.4859	0.9788	0.1423	0.0072	0.0030	0.0119	-0.0004	-.0006	-.0004	-.0017
70	1.39	0.5211	0.9727	0.1420	0.0079	0.0034	0.0131	-0.0005	-.0006	-.0005	-.0018
71	1.59	0.5573	0.9658	0.1416	0.0087	0.0038	0.0145	-0.0006	-.0007	-.0005	-.0019
72	1.79	0.5899	0.9579	0.1411	0.0094	0.0042	0.0159	-0.0006	-.0007	-.0005	-.0020
73	1.99	0.6191	0.9507	0.1408	0.0101	0.0046	0.0173	-0.0006	-.0007	-.0006	-.0021
74	2.19	0.6496	0.9425	0.1404	0.0108	0.0050	0.0186	-0.0006	-.0007	-.0006	-.0022
75	2.39	0.6766	0.9339	0.1404	0.0115	0.0053	0.0198	-0.0006	-.0008	-.0005	-.0023
76	2.59	0.7057	0.9232	0.1399	0.0122	0.0057	0.0209	-0.0006	-.0008	-.0005	-.0023
77	2.79	0.7298	0.9134	0.1392	0.0128	0.0061	0.0219	-0.0006	-.0007	-.0005	-.0023
78	2.99	0.7553	0.9030	0.1380	0.0134	0.0066	0.0230	-0.0006	-.0006	-.0004	-.0022
79	3.19	0.7708	0.8943	0.1368	0.0138	0.0070	0.0238	-0.0006	-.0005	-.0003	-.0021
80	3.39	0.7905	0.8851	0.1349	0.0142	0.0068	0.0247	-0.0005	-.0005	-.0002	-.0020
81	3.59	0.8034	0.8768	0.1330	0.0144	0.0067	0.0256	-0.0005	-.0005	-.0001	-.0018
82	3.79	0.8243	0.8688	0.1306	0.0148	0.0066	0.0265	-0.0005	-.0005	-.0000	-.0017
83	3.99	0.8387	0.8609	0.1286	0.0150	0.0064	0.0274	-0.0004	-.0005	0.0001	-.0016
84	4.19	0.8534	0.8523	0.1263	0.0153	0.0061	0.0283	-0.0003	-.0004	0.0001	-.0015
85	4.39	0.8655	0.8441	0.1241	0.0154	0.0055	0.0290	-0.0003	-.0003	0.0002	-.0014
86	4.59	0.8736	0.8360	0.1228	0.0153	0.0048	0.0288	-0.0003	-.0003	0.0003	-.0012
87	4.79	0.8845	0.8277	0.1215	0.0153	0.0042	0.0289	-0.0003	-.0003	0.0004	-.0010
88	4.99	0.8948	0.8197	0.1205	0.0151	0.0038	0.0287	-0.0002	-.0002	0.0005	-.0008
89	5.19	0.9036	0.8121	0.1192	0.0150	0.0033	0.0287	-0.0002	-.0002	0.0006	-.0007
90	5.39	0.9124	0.8053	0.1170	0.0153	0.0027	0.0283	-0.0002	-.0002	0.0007	-.0005
91	5.59	0.9185	0.8031	0.1150	0.0155	0.0020	0.0280	-0.0002	-.0003	0.0007	-.0003
92	5.79	0.9222	0.8025	0.1126	0.0158	0.0013	0.0278	-0.0002	-.0003	0.0007	-.0001
93	5.99	0.9287	0.8002	0.1095	0.0161	0.0004	0.0278	-0.0002	-.0004	0.0007	0.0001
94	6.19	0.9303	0.7998	0.1069	0.0165	-.0004	0.0278	-0.0003	-.0005	0.0007	0.0003
95	6.39	0.9302	0.8003	0.1049	0.0169	-.0012	0.0277	-0.0003	-.0005	0.0007	0.0005
96	6.59	0.9299	0.8030	0.1034	0.0173	-.0020	0.0274	-0.0004	-.0005	0.0006	0.0007
97	6.79	0.9264	0.8054	0.1021	0.0177	-.0028	0.0271	-0.0004	-.0006	0.0005	0.0009

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
98	6.99	0.9227	0.8073	0.1012	0.0182	-.0034	0.0267	-0.0005	-.0005	0.0004	0.0011
99	7.19	0.9174	0.8079	0.1001	0.0188	-.0041	0.0263	-0.0005	-.0005	0.0004	0.0012
100	7.39	0.9123	0.8084	0.0997	0.0194	-.0046	0.0257	-0.0006	-.0005	0.0002	0.0013
101	7.59	0.9075	0.8094	0.0989	0.0200	-.0050	0.0251	-0.0006	-.0004	0.0001	0.0014
102	7.79	0.9002	0.8129	0.0985	0.0205	-.0054	0.0247	-0.0007	-.0004	0.0000	0.0014
103	7.99	0.8892	0.8172	0.0977	0.0211	-.0058	0.0241	-0.0008	-.0003	-.0001	0.0015
104	8.19	0.8784	0.8239	0.0968	0.0216	-.0062	0.0235	-0.0010	-.0002	-.0002	0.0015
105	8.39	0.8681	0.8311	0.0956	0.0221	-.0065	0.0229	-0.0011	-.0001	-.0004	0.0016
106	8.59	0.8551	0.8398	0.0937	0.0227	-.0068	0.0223	-0.0013	-.0001	-.0005	0.0016
107	8.79	0.8413	0.8483	0.0923	0.0232	-.0071	0.0217	-0.0015	0.0000	-.0007	0.0017
108	8.99	0.8272	0.8550	0.0909	0.0238	-.0074	0.0211	-0.0017	0.0001	-.0008	0.0017
109	9.19	0.8123	0.8618	0.0915	0.0242	-.0076	0.0205	-0.0018	0.0002	-.0009	0.0017
110	9.39	0.7958	0.8682	0.0916	0.0246	-.0078	0.0198	-0.0021	0.0003	-.0010	0.0018
111	9.59	0.7773	0.8740	0.0928	0.0240	-.0076	0.0191	-0.0023	0.0004	-.0011	0.0018
112	9.79	0.7515	0.8795	0.0936	0.0238	-.0075	0.0183	-0.0026	0.0006	-.0012	0.0018
113	9.99	0.7288	0.8847	0.0923	0.0237	-.0076	0.0173	-0.0028	0.0007	-.0013	0.0018
114	10.19	0.7045	0.8906	0.0913	0.0233	-.0073	0.0164	-0.0031	0.0008	-.0013	0.0018
115	10.39	0.6758	0.8981	0.0921	0.0230	-.0073	0.0158	-0.0033	0.0009	-.0014	0.0018
116	10.59	0.6466	0.9058	0.0924	0.0229	-.0073	0.0151	-0.0036	0.0010	-.0014	0.0018
117	10.79	0.6172	0.9143	0.0938	0.0223	-.0071	0.0147	-0.0038	0.0011	-.0015	0.0017
118	10.99	0.5868	0.9236	0.0958	0.0223	-.0071	0.0143	-0.0040	0.0012	-.0016	0.0017
119	11.19	0.5560	0.9319	0.0968	0.0222	-.0071	0.0138	-0.0042	0.0013	-.0016	0.0017
120	11.39	0.5272	0.9396	0.0975	0.0218	-.0069	0.0133	-0.0044	0.0013	-.0016	0.0017
121	11.59	0.4972	0.9464	0.0982	0.0213	-.0067	0.0127	-0.0045	0.0014	-.0016	0.0017
122	11.79	0.4704	0.9523	0.0986	0.0207	-.0065	0.0121	-0.0046	0.0014	-.0016	0.0016
123	11.99	0.4392	0.9567	0.0987	0.0196	-.0060	0.0114	-0.0045	0.0014	-.0016	0.0015
124	12.19	0.4135	0.9607	0.0992	0.0187	-.0058	0.0108	-0.0046	0.0015	-.0015	0.0015
125	12.39	0.3897	0.9646	0.0997	0.0178	-.0056	0.0102	-0.0046	0.0014	-.0014	0.0014
126	12.59	0.3629	0.9687	0.1003	0.0170	-.0054	0.0097	-0.0045	0.0014	-.0014	0.0014
127	12.79	0.3425	0.9729	0.1008	0.0163	-.0052	0.0093	-0.0044	0.0014	-.0014	0.0014
128	12.99	0.3233	0.9774	0.1014	0.0156	-.0050	0.0088	-0.0042	0.0014	-.0014	0.0014
129	13.19	0.3044	0.9825	0.1017	0.0147	-.0048	0.0084	-0.0041	0.0014	-.0013	0.0013
130	13.39	0.2858	0.9879	0.1021	0.0141	-.0046	0.0079	-0.0039	0.0013	-.0013	0.0012
131	13.59	0.2687	0.9935	0.1023	0.0133	-.0044	0.0075	-0.0038	0.0013	-.0012	0.0012
132	13.79	0.2515	0.9985	0.1024	0.0125	-.0042	0.0072	-0.0036	0.0013	-.0012	0.0011
133	13.99	0.2360	1.0028	0.1028	0.0117	-.0040	0.0068	-0.0035	0.0013	-.0012	0.0011

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
134	14.19	0.2166	1.0063	0.1032	0.0110	-.0037	0.0065	-0.0033	0.0012	-.0011	0.0011
135	14.39	0.1982	1.0090	0.1038	0.0103	-.0035	0.0061	-0.0031	0.0011	-.0011	0.0010
136	14.59	0.1815	1.0110	0.1044	0.0095	-.0032	0.0056	-0.0030	0.0011	-.0010	0.0010
137	14.79	0.1642	1.0127	0.1053	0.0088	-.0029	0.0052	-0.0028	0.0010	-.0009	0.0009
138	14.99	0.1486	1.0143	0.1059	0.0080	-.0027	0.0048	-0.0026	0.0009	-.0008	0.0008
139	15.19	0.1360	1.0165	0.1064	0.0074	-.0024	0.0045	-0.0024	0.0008	-.0008	0.0008
140	15.39	0.1244	1.0187	0.1067	0.0069	-.0022	0.0042	-0.0023	0.0008	-.0007	0.0007
141	15.59	0.1145	1.0213	0.1068	0.0064	-.0021	0.0039	-0.0021	0.0007	-.0007	0.0007
142	15.79	0.1053	1.0241	0.1069	0.0059	-.0020	0.0037	-0.0019	0.0007	-.0006	0.0006
143	15.99	0.0979	1.0268	0.1067	0.0056	-.0018	0.0034	-0.0018	0.0006	-.0006	0.0006
144	16.19	0.0889	1.0292	0.1068	0.0053	-.0018	0.0032	-0.0017	0.0006	-.0005	0.0005
145	16.39	0.0803	1.0313	0.1067	0.0049	-.0016	0.0029	-0.0015	0.0006	-.0005	0.0005
146	16.59	0.0741	1.0325	0.1068	0.0045	-.0015	0.0028	-0.0014	0.0005	-.0004	0.0004
147	16.79	0.0678	1.0334	0.1068	0.0041	-.0014	0.0026	-0.0013	0.0005	-.0004	0.0004
148	16.99	0.0631	1.0335	0.1067	0.0037	-.0013	0.0025	-0.0011	0.0004	-.0004	0.0004
149	17.19	0.0584	1.0333	0.1066	0.0033	-.0011	0.0023	-0.0010	0.0004	-.0003	0.0004
150	17.39	0.0527	1.0331	0.1066	0.0028	-.0010	0.0022	-0.0008	0.0003	-.0003	0.0004
151	17.59	0.0453	1.0331	0.1067	0.0023	-.0009	0.0020	-0.0007	0.0003	-.0003	0.0003
152	17.79	0.0355	1.0328	0.1070	0.0018	-.0008	0.0018	-0.0005	0.0003	-.0002	0.0003
153	17.99	0.0224	1.0353	0.1078	0.0014	-.0008	0.0014	-0.0003	0.0002	-.0002	0.0002
154	18.19	0.0269	1.0319	0.1069	0.0010	-.0005	0.0016	-0.0002	0.0002	-.0002	0.0002
155	18.39	0.0199	1.0337	0.1071	0.0006	-.0004	0.0013	-0.0000	0.0001	-.0001	0.0002
156	18.59	0.0148	1.0339	0.1072	0.0003	-.0003	0.0012	0.0001	0.0001	-.0001	0.0002
157	18.79	0.0105	1.0346	0.1074	0.0000	-.0003	0.0011	0.0002	0.0001	-.0001	0.0002
158	18.99	0.0071	1.0349	0.1075	0.0000	-.0002	0.0010	0.0003	0.0001	-.0001	0.0001
159	19.19	0.0048	1.0348	0.1076	0.0000	-.0002	0.0009	0.0003	0.0000	-.0001	0.0001
160	19.39	0.0034	1.0379	0.1078	0.0000	-.0002	0.0009	0.0003	0.0000	-.0001	0.0001
161	19.59	0.0167	1.0406	0.1085	0.0009	-.0004	0.0011	-0.0002	0.0001	-.0001	0.0002
162	19.79	0.0150	1.0415	0.1087	0.0009	-.0004	0.0011	-0.0002	0.0001	-.0001	0.0002
163	19.99	0.0140	1.0424	0.1089	0.0009	-.0004	0.0011	-0.0002	0.0001	-.0001	0.0002
164	20.19	0.0131	1.0434	0.1091	0.0009	-.0004	0.0010	-0.0002	0.0001	-.0001	0.0001
165	20.39	0.0123	1.0444	0.1093	0.0010	-.0004	0.0010	-0.0002	0.0001	-.0001	0.0001
166	20.59	0.0116	1.0453	0.1095	0.0010	-.0004	0.0010	-0.0002	0.0001	-.0001	0.0001
167	20.79	0.0110	1.0463	0.1096	0.0010	-.0004	0.0009	-0.0002	0.0001	-.0001	0.0001
168	20.99	0.0073	1.0460	0.1092	0.0005	-.0002	0.0008	-0.0001	0.0001	-.0001	0.0001
169	21.19	0.0067	1.0468	0.1092	0.0005	-.0002	0.0008	-0.0001	0.0001	-.0001	0.0001

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
170	21.39	0.0060	1.0477	0.1093	0.0005	-.0002	0.0007	-0.0001	0.0001	-.0001	0.0001
171	21.59	0.0054	1.0485	0.1093	0.0005	-.0002	0.0007	-0.0001	0.0000	-.0000	0.0001

IX=130; X=135.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
49	-2.81	0.0123	1.0172	0.1495	0.0005	0.0000	0.0008	0.0000	-.0000	0.0000	-.0000
50	-2.61	0.0163	1.0175	0.1496	0.0005	0.0000	0.0009	0.0000	-.0000	-.0000	-.0001
51	-2.41	0.0202	1.0180	0.1500	0.0005	0.0000	0.0010	0.0000	-.0000	-.0000	-.0001
52	-2.21	0.0244	1.0186	0.1505	0.0006	0.0000	0.0011	0.0000	-.0000	-.0000	-.0001
53	-2.01	0.0311	1.0189	0.1508	0.0006	0.0000	0.0012	0.0000	-.0000	-.0000	-.0001
54	-1.81	0.0400	1.0191	0.1510	0.0007	0.0001	0.0014	0.0000	-.0000	-.0000	-.0001
55	-1.61	0.0496	1.0191	0.1510	0.0008	0.0001	0.0016	0.0000	-.0000	-.0000	-.0001
56	-1.41	0.0620	1.0190	0.1510	0.0009	0.0001	0.0018	0.0000	-.0000	-.0000	-.0002
57	-1.21	0.0769	1.0188	0.1507	0.0010	0.0002	0.0020	0.0000	-.0000	-.0000	-.0002
58	-1.01	0.0928	1.0185	0.1504	0.0012	0.0002	0.0022	0.0000	-.0001	-.0000	-.0003
59	-0.81	0.1064	1.0180	0.1501	0.0013	0.0003	0.0025	0.0000	-.0001	-.0000	-.0003
60	-0.61	0.1254	1.0173	0.1498	0.0015	0.0004	0.0028	-0.0000	-.0001	-.0001	-.0003
61	-0.41	0.1463	1.0163	0.1496	0.0017	0.0004	0.0031	-0.0000	-.0001	-.0001	-.0004
62	-0.21	0.1692	1.0152	0.1495	0.0019	0.0005	0.0036	-0.0000	-.0001	-.0001	-.0004
63	-0.01	0.1978	1.0138	0.1495	0.0022	0.0006	0.0041	-0.0001	-.0001	-.0001	-.0005
64	0.19	0.2243	1.0122	0.1497	0.0025	0.0008	0.0046	-0.0001	-.0002	-.0001	-.0006
65	0.39	0.2518	1.0116	0.1503	0.0027	0.0008	0.0049	-0.0001	-.0002	-.0001	-.0006
66	0.59	0.2814	1.0097	0.1505	0.0030	0.0010	0.0055	-0.0001	-.0002	-.0001	-.0007
67	0.79	0.3113	1.0070	0.1511	0.0034	0.0011	0.0060	-0.0001	-.0002	-.0002	-.0008
68	0.99	0.3628	1.0045	0.1515	0.0037	0.0012	0.0065	-0.0002	-.0002	-.0002	-.0008
69	1.19	0.4093	1.0006	0.1519	0.0041	0.0014	0.0071	-0.0002	-.0003	-.0002	-.0009
70	1.39	0.4394	0.9941	0.1561	0.0047	0.0012	0.0074	-0.0002	-.0003	-.0002	-.0009
71	1.59	0.4011	0.9914	0.1521	0.0051	0.0019	0.0088	-0.0002	-.0003	-.0002	-.0010
72	1.79	0.4600	0.9893	0.1505	0.0054	0.0022	0.0094	-0.0003	-.0004	-.0002	-.0011
73	1.99	0.5213	0.9857	0.1486	0.0058	0.0024	0.0098	-0.0003	-.0004	-.0003	-.0011
74	2.19	0.5611	0.9815	0.1485	0.0062	0.0025	0.0102	-0.0003	-.0004	-.0003	-.0011
75	2.39	0.5983	0.9763	0.1486	0.0067	0.0026	0.0107	-0.0003	-.0004	-.0003	-.0011
76	2.59	0.6305	0.9704	0.1489	0.0072	0.0027	0.0115	-0.0004	-.0004	-.0003	-.0012
77	2.79	0.6570	0.9642	0.1490	0.0078	0.0029	0.0125	-0.0004	-.0004	-.0003	-.0013

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
78	2.99	0.6736	0.9574	0.1491	0.0084	0.0032	0.0134	-0.0004	-.0004	-.0003	-.0014
79	3.19	0.6958	0.9509	0.1485	0.0090	0.0034	0.0145	-0.0004	-.0004	-.0003	-.0014
80	3.39	0.7203	0.9444	0.1472	0.0094	0.0035	0.0154	-0.0004	-.0004	-.0002	-.0014
81	3.59	0.7428	0.9379	0.1456	0.0098	0.0038	0.0163	-0.0004	-.0004	-.0002	-.0014
82	3.79	0.7611	0.9316	0.1441	0.0101	0.0034	0.0171	-0.0003	-.0004	-.0001	-.0013
83	3.99	0.7824	0.9256	0.1426	0.0105	0.0039	0.0178	-0.0003	-.0004	-.0001	-.0012
84	4.19	0.8027	0.9196	0.1414	0.0108	0.0038	0.0186	-0.0003	-.0003	-.0000	-.0012
85	4.39	0.8107	0.9134	0.1404	0.0110	0.0038	0.0193	-0.0003	-.0003	-.0000	-.0012
86	4.59	0.8204	0.9068	0.1397	0.0112	0.0037	0.0197	-0.0003	-.0003	0.0000	-.0011
87	4.79	0.8302	0.8999	0.1392	0.0114	0.0036	0.0200	-0.0004	-.0003	0.0000	-.0011
88	4.99	0.8402	0.8928	0.1384	0.0115	0.0035	0.0202	-0.0003	-.0003	0.0001	-.0010
89	5.19	0.8514	0.8854	0.1374	0.0116	0.0032	0.0203	-0.0003	-.0002	0.0001	-.0009
90	5.39	0.8622	0.8779	0.1364	0.0117	0.0031	0.0204	-0.0002	-.0002	0.0002	-.0008
91	5.59	0.8719	0.8719	0.1350	0.0118	0.0030	0.0207	-0.0002	-.0002	0.0002	-.0007
92	5.79	0.8804	0.8675	0.1336	0.0120	0.0027	0.0211	-0.0002	-.0002	0.0003	-.0006
93	5.99	0.8895	0.8633	0.1321	0.0121	0.0025	0.0215	-0.0002	-.0002	0.0003	-.0005
94	6.19	0.8958	0.8603	0.1305	0.0123	0.0022	0.0214	-0.0002	-.0002	0.0003	-.0003
95	6.39	0.9023	0.8587	0.1290	0.0124	0.0018	0.0216	-0.0002	-.0002	0.0004	-.0002
96	6.59	0.9092	0.8576	0.1278	0.0126	0.0014	0.0214	-0.0002	-.0002	0.0004	-.0001
97	6.79	0.9115	0.8558	0.1266	0.0127	0.0009	0.0217	-0.0002	-.0003	0.0004	-.0000
98	6.99	0.9160	0.8547	0.1252	0.0128	0.0004	0.0215	-0.0002	-.0003	0.0004	0.0001
99	7.19	0.9174	0.8529	0.1243	0.0129	-.0000	0.0214	-0.0002	-.0003	0.0004	0.0001
100	7.39	0.9187	0.8502	0.1235	0.0130	-.0005	0.0212	-0.0002	-.0003	0.0004	0.0002
101	7.59	0.9208	0.8487	0.1228	0.0130	-.0010	0.0210	-0.0002	-.0003	0.0004	0.0003
102	7.79	0.9194	0.8488	0.1230	0.0132	-.0014	0.0205	-0.0002	-.0003	0.0003	0.0003
103	7.99	0.9163	0.8478	0.1224	0.0133	-.0019	0.0204	-0.0002	-.0003	0.0003	0.0004
104	8.19	0.9084	0.8482	0.1218	0.0137	-.0023	0.0203	-0.0002	-.0003	0.0003	0.0005
105	8.39	0.9013	0.8482	0.1215	0.0140	-.0028	0.0201	-0.0003	-.0003	0.0002	0.0006
106	8.59	0.8958	0.8519	0.1204	0.0143	-.0032	0.0199	-0.0003	-.0003	0.0001	0.0007
107	8.79	0.8886	0.8569	0.1195	0.0148	-.0035	0.0196	-0.0004	-.0002	0.0001	0.0008
108	8.99	0.8803	0.8613	0.1186	0.0151	-.0038	0.0193	-0.0005	-.0002	-.0000	0.0008
109	9.19	0.8711	0.8657	0.1169	0.0156	-.0041	0.0188	-0.0006	-.0002	-.0001	0.0009
110	9.39	0.8592	0.8697	0.1163	0.0159	-.0043	0.0184	-0.0006	-.0002	-.0001	0.0010
111	9.59	0.8506	0.8733	0.1159	0.0162	-.0046	0.0181	-0.0007	-.0002	-.0002	0.0010
112	9.79	0.8429	0.8765	0.1156	0.0164	-.0048	0.0178	-0.0008	-.0001	-.0003	0.0011
113	9.99	0.8314	0.8787	0.1155	0.0167	-.0050	0.0174	-0.0009	-.0001	-.0003	0.0012

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
114	10.19	0.8193	0.8816	0.1155	0.0170	-.0053	0.0172	-0.0010	-.0000	-.0004	0.0012
115	10.39	0.8070	0.8836	0.1157	0.0174	-.0056	0.0168	-0.0011	0.0000	-.0005	0.0012
116	10.59	0.7977	0.8867	0.1159	0.0176	-.0058	0.0164	-0.0013	0.0001	-.0005	0.0013
117	10.79	0.7856	0.8909	0.1161	0.0178	-.0060	0.0160	-0.0014	0.0002	-.0006	0.0013
118	10.99	0.7717	0.8966	0.1165	0.0179	-.0062	0.0156	-0.0015	0.0002	-.0006	0.0013
119	11.19	0.7555	0.9025	0.1168	0.0179	-.0062	0.0152	-0.0016	0.0003	-.0007	0.0014
120	11.39	0.7365	0.9096	0.1171	0.0178	-.0063	0.0147	-0.0017	0.0004	-.0007	0.0014
121	11.59	0.6938	0.9181	0.1173	0.0177	-.0063	0.0143	-0.0019	0.0005	-.0008	0.0014
122	11.79	0.6748	0.9268	0.1174	0.0174	-.0063	0.0138	-0.0020	0.0005	-.0008	0.0014
123	11.99	0.6502	0.9344	0.1175	0.0171	-.0062	0.0134	-0.0021	0.0006	-.0009	0.0014
124	12.19	0.6254	0.9400	0.1176	0.0168	-.0061	0.0129	-0.0022	0.0007	-.0009	0.0014
125	12.39	0.6026	0.9454	0.1176	0.0165	-.0061	0.0125	-0.0023	0.0007	-.0009	0.0013
126	12.59	0.5747	0.9494	0.1177	0.0162	-.0060	0.0120	-0.0024	0.0008	-.0010	0.0013
127	12.79	0.5500	0.9520	0.1179	0.0159	-.0058	0.0114	-0.0024	0.0008	-.0010	0.0013
128	12.99	0.5258	0.9542	0.1183	0.0156	-.0057	0.0109	-0.0025	0.0008	-.0010	0.0012
129	13.19	0.5124	0.9570	0.1188	0.0152	-.0056	0.0105	-0.0025	0.0009	-.0010	0.0012
130	13.39	0.4895	0.9601	0.1195	0.0149	-.0055	0.0101	-0.0026	0.0009	-.0010	0.0012
131	13.59	0.4698	0.9639	0.1199	0.0147	-.0054	0.0097	-0.0027	0.0009	-.0010	0.0012
132	13.79	0.4504	0.9686	0.1202	0.0144	-.0052	0.0094	-0.0028	0.0009	-.0010	0.0011
133	13.99	0.4311	0.9739	0.1205	0.0141	-.0051	0.0091	-0.0029	0.0009	-.0010	0.0011
134	14.19	0.4080	0.9794	0.1206	0.0139	-.0049	0.0088	-0.0028	0.0010	-.0010	0.0011
135	14.39	0.3883	0.9846	0.1209	0.0136	-.0048	0.0086	-0.0029	0.0010	-.0010	0.0011
136	14.59	0.3689	0.9896	0.1211	0.0132	-.0046	0.0083	-0.0029	0.0010	-.0010	0.0011
137	14.79	0.3498	0.9936	0.1213	0.0127	-.0045	0.0079	-0.0028	0.0010	-.0010	0.0011
138	14.99	0.3293	0.9967	0.1219	0.0121	-.0043	0.0075	-0.0028	0.0010	-.0009	0.0010
139	15.19	0.3097	0.9992	0.1225	0.0115	-.0041	0.0071	-0.0027	0.0009	-.0009	0.0010
140	15.39	0.2969	1.0011	0.1234	0.0110	-.0039	0.0067	-0.0026	0.0009	-.0009	0.0009
141	15.59	0.2773	1.0025	0.1242	0.0103	-.0037	0.0062	-0.0024	0.0009	-.0009	0.0009
142	15.79	0.2580	1.0047	0.1248	0.0097	-.0035	0.0059	-0.0023	0.0008	-.0008	0.0009
143	15.99	0.2404	1.0065	0.1253	0.0091	-.0033	0.0055	-0.0022	0.0008	-.0008	0.0008
144	16.19	0.2190	1.0093	0.1256	0.0086	-.0031	0.0052	-0.0022	0.0008	-.0007	0.0008
145	16.39	0.2029	1.0136	0.1255	0.0082	-.0029	0.0050	-0.0021	0.0008	-.0007	0.0008
146	16.59	0.1869	1.0168	0.1252	0.0076	-.0028	0.0047	-0.0020	0.0008	-.0007	0.0007
147	16.79	0.1729	1.0198	0.1252	0.0073	-.0026	0.0044	-0.0020	0.0007	-.0006	0.0007
148	16.99	0.1599	1.0240	0.1246	0.0068	-.0024	0.0043	-0.0019	0.0007	-.0006	0.0007
149	17.19	0.1478	1.0262	0.1244	0.0064	-.0023	0.0041	-0.0018	0.0007	-.0006	0.0007

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
150	17.39	0.1365	1.0278	0.1242	0.0060	-.0022	0.0038	-0.0017	0.0006	-.0005	0.0006
151	17.59	0.1261	1.0287	0.1242	0.0056	-.0020	0.0035	-0.0015	0.0006	-.0005	0.0006
152	17.79	0.1165	1.0293	0.1242	0.0051	-.0019	0.0033	-0.0014	0.0005	-.0005	0.0005
153	17.99	0.1076	1.0294	0.1244	0.0048	-.0018	0.0031	-0.0013	0.0005	-.0004	0.0005
154	18.19	0.0998	1.0291	0.1248	0.0044	-.0016	0.0029	-0.0012	0.0005	-.0004	0.0005
155	18.39	0.0927	1.0285	0.1253	0.0041	-.0015	0.0028	-0.0012	0.0004	-.0004	0.0004
156	18.59	0.0862	1.0280	0.1257	0.0038	-.0014	0.0026	-0.0011	0.0004	-.0003	0.0004
157	18.79	0.0802	1.0267	0.1263	0.0035	-.0012	0.0025	-0.0010	0.0003	-.0003	0.0004
158	18.99	0.0748	1.0258	0.1267	0.0033	-.0010	0.0024	-0.0009	0.0003	-.0003	0.0004
159	19.19	0.0698	1.0250	0.1271	0.0030	-.0009	0.0023	-0.0008	0.0002	-.0003	0.0003
160	19.39	0.0651	1.0244	0.1275	0.0028	-.0008	0.0022	-0.0007	0.0002	-.0002	0.0003
161	19.59	0.0608	1.0242	0.1279	0.0025	-.0007	0.0021	-0.0007	0.0001	-.0002	0.0003
162	19.79	0.0526	1.0243	0.1282	0.0023	-.0006	0.0020	-0.0006	0.0001	-.0002	0.0003
163	19.99	0.0503	1.0247	0.1283	0.0022	-.0005	0.0020	-0.0006	0.0001	-.0002	0.0003
164	20.19	0.0465	1.0367	0.1268	0.0023	-.0008	0.0018	-0.0006	0.0003	-.0002	0.0003
165	20.39	0.0431	1.0370	0.1270	0.0021	-.0007	0.0017	-0.0006	0.0002	-.0002	0.0003
166	20.59	0.0399	1.0380	0.1272	0.0020	-.0007	0.0017	-0.0006	0.0002	-.0002	0.0003
167	20.79	0.0370	1.0392	0.1273	0.0019	-.0007	0.0016	-0.0005	0.0002	-.0002	0.0003
168	20.99	0.0343	1.0404	0.1274	0.0018	-.0006	0.0016	-0.0005	0.0002	-.0002	0.0003
169	21.19	0.0318	1.0416	0.1275	0.0017	-.0006	0.0015	-0.0005	0.0002	-.0002	0.0003
170	21.39	0.0295	1.0427	0.1276	0.0016	-.0006	0.0014	-0.0004	0.0002	-.0002	0.0003
171	21.59	0.0273	1.0438	0.1277	0.0015	-.0005	0.0014	-0.0004	0.0002	-.0002	0.0003
172	21.79	0.0232	1.0429	0.1277	0.0012	-.0004	0.0012	-0.0003	0.0001	-.0001	0.0002
173	21.99	0.0212	1.0443	0.1280	0.0012	-.0004	0.0012	-0.0003	0.0001	-.0001	0.0002
174	22.19	0.0195	1.0452	0.1280	0.0011	-.0004	0.0011	-0.0003	0.0001	-.0001	0.0002
175	22.39	0.0179	1.0460	0.1280	0.0010	-.0003	0.0011	-0.0003	0.0001	-.0001	0.0002
176	22.59	0.0165	1.0468	0.1280	0.0009	-.0003	0.0010	-0.0002	0.0001	-.0001	0.0002
177	22.79	0.0151	1.0476	0.1281	0.0009	-.0003	0.0010	-0.0002	0.0001	-.0001	0.0002
178	22.99	0.0140	1.0484	0.1281	0.0008	-.0003	0.0009	-0.0002	0.0001	-.0001	0.0001
179	23.19	0.0129	1.0492	0.1281	0.0007	-.0002	0.0009	-0.0002	0.0001	-.0001	0.0001
180	23.39	0.0119	1.0498	0.1281	0.0007	-.0002	0.0008	-0.0001	0.0001	-.0000	0.0001
181	23.59	0.0110	1.0505	0.1281	0.0006	-.0002	0.0008	-0.0001	0.0000	-.0000	0.0001
182	23.79	0.0102	1.0511	0.1281	0.0006	-.0002	0.0008	-0.0001	0.0000	-.0000	0.0001

IX=140; X=145.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
51	-2.41	0.0116	1.0235	0.1585	0.0004	-.0000	0.0006	0.0000	-.0000	0.0000	-.0000
52	-2.21	0.0152	1.0234	0.1579	0.0004	-.0000	0.0007	0.0000	-.0000	0.0000	-.0000
53	-2.01	0.0197	1.0233	0.1573	0.0005	-.0000	0.0008	0.0000	-.0000	0.0000	-.0000
54	-1.81	0.0252	1.0231	0.1568	0.0005	-.0000	0.0009	0.0000	-.0000	-.0000	-.0001
55	-1.61	0.0318	1.0230	0.1568	0.0005	0.0000	0.0010	0.0000	-.0000	-.0000	-.0001
56	-1.41	0.0396	1.0229	0.1568	0.0006	0.0000	0.0011	0.0000	-.0000	-.0000	-.0001
57	-1.21	0.0491	1.0228	0.1570	0.0007	0.0000	0.0012	0.0000	-.0000	-.0000	-.0001
58	-1.01	0.0599	1.0230	0.1574	0.0007	0.0000	0.0013	0.0000	-.0000	-.0000	-.0001
59	-0.81	0.0722	1.0232	0.1579	0.0008	0.0000	0.0015	0.0000	-.0000	-.0000	-.0001
60	-0.61	0.0865	1.0233	0.1585	0.0009	0.0001	0.0016	0.0000	-.0000	-.0000	-.0002
61	-0.41	0.1022	1.0233	0.1587	0.0010	0.0001	0.0018	0.0000	-.0000	-.0000	-.0002
62	-0.21	0.1194	1.0232	0.1589	0.0011	0.0001	0.0020	0.0000	-.0000	-.0000	-.0002
63	-0.01	0.1376	1.0230	0.1589	0.0012	0.0002	0.0022	0.0000	-.0001	-.0000	-.0003
64	0.19	0.1569	1.0228	0.1586	0.0013	0.0002	0.0024	-0.0000	-.0001	-.0000	-.0003
65	0.39	0.1745	1.0224	0.1582	0.0015	0.0003	0.0027	-0.0000	-.0001	-.0000	-.0003
66	0.59	0.1958	1.0214	0.1582	0.0017	0.0004	0.0030	-0.0000	-.0001	-.0001	-.0004
67	0.79	0.2188	1.0207	0.1579	0.0019	0.0004	0.0033	-0.0000	-.0001	-.0001	-.0004
68	0.99	0.2444	1.0194	0.1575	0.0021	0.0005	0.0037	-0.0000	-.0001	-.0001	-.0005
69	1.19	0.2711	1.0177	0.1571	0.0023	0.0006	0.0041	-0.0001	-.0001	-.0001	-.0005
70	1.39	0.2990	1.0156	0.1569	0.0026	0.0008	0.0046	-0.0001	-.0002	-.0001	-.0006
71	1.59	0.3327	1.0133	0.1569	0.0029	0.0009	0.0050	-0.0001	-.0002	-.0001	-.0006
72	1.79	0.3626	1.0104	0.1568	0.0031	0.0011	0.0055	-0.0001	-.0002	-.0001	-.0006
73	1.99	0.3867	1.0075	0.1571	0.0034	0.0012	0.0060	-0.0001	-.0002	-.0001	-.0007
74	2.19	0.4174	1.0045	0.1573	0.0038	0.0013	0.0064	-0.0002	-.0002	-.0002	-.0007
75	2.39	0.4521	1.0014	0.1574	0.0041	0.0014	0.0069	-0.0002	-.0002	-.0002	-.0008
76	2.59	0.4790	0.9983	0.1575	0.0044	0.0015	0.0073	-0.0002	-.0002	-.0002	-.0008
77	2.79	0.5076	0.9953	0.1578	0.0047	0.0016	0.0078	-0.0002	-.0003	-.0002	-.0008
78	2.99	0.5297	0.9923	0.1578	0.0051	0.0017	0.0083	-0.0002	-.0003	-.0002	-.0009
79	3.19	0.5555	0.9887	0.1577	0.0055	0.0018	0.0088	-0.0002	-.0003	-.0002	-.0009
80	3.39	0.5817	0.9853	0.1578	0.0058	0.0019	0.0092	-0.0003	-.0003	-.0002	-.0009
81	3.59	0.6085	0.9812	0.1576	0.0061	0.0020	0.0097	-0.0003	-.0003	-.0002	-.0009
82	3.79	0.6338	0.9770	0.1578	0.0064	0.0020	0.0101	-0.0003	-.0003	-.0002	-.0009
83	3.99	0.6591	0.9712	0.1576	0.0068	0.0021	0.0106	-0.0003	-.0003	-.0002	-.0009
84	4.19	0.6871	0.9652	0.1569	0.0071	0.0023	0.0111	-0.0003	-.0003	-.0002	-.0009

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
85	4.39	0.7158	0.9587	0.1560	0.0074	0.0024	0.0117	-0.0003	-.0003	-.0002	-.0009
86	4.59	0.7399	0.9525	0.1551	0.0076	0.0025	0.0122	-0.0003	-.0003	-.0001	-.0009
87	4.79	0.7621	0.9464	0.1546	0.0079	0.0026	0.0126	-0.0003	-.0003	-.0001	-.0009
88	4.99	0.7814	0.9402	0.1545	0.0081	0.0027	0.0129	-0.0003	-.0003	-.0001	-.0009
89	5.19	0.7991	0.9344	0.1543	0.0083	0.0027	0.0131	-0.0003	-.0002	-.0001	-.0008
90	5.39	0.8160	0.9287	0.1545	0.0084	0.0026	0.0133	-0.0002	-.0002	-.0001	-.0007
91	5.59	0.8315	0.9237	0.1545	0.0085	0.0026	0.0134	-0.0002	-.0002	-.0000	-.0007
92	5.79	0.8463	0.9186	0.1546	0.0086	0.0025	0.0135	-0.0002	-.0002	0.0000	-.0006
93	5.99	0.8602	0.9130	0.1545	0.0086	0.0024	0.0135	-0.0002	-.0002	0.0000	-.0006
94	6.19	0.8727	0.9080	0.1542	0.0086	0.0022	0.0135	-0.0002	-.0002	0.0001	-.0005
95	6.39	0.8844	0.9030	0.1543	0.0086	0.0020	0.0134	-0.0002	-.0002	0.0001	-.0005
96	6.59	0.8925	0.8985	0.1546	0.0086	0.0018	0.0133	-0.0002	-.0001	0.0001	-.0004
97	6.79	0.8970	0.8941	0.1548	0.0086	0.0016	0.0133	-0.0002	-.0001	0.0001	-.0003
98	6.99	0.8981	0.8901	0.1536	0.0087	0.0014	0.0135	-0.0002	-.0001	0.0001	-.0002
99	7.19	0.8987	0.8874	0.1524	0.0088	0.0012	0.0138	-0.0002	-.0001	0.0002	-.0002
100	7.39	0.8987	0.8854	0.1503	0.0091	0.0010	0.0143	-0.0001	-.0001	0.0002	-.0002
101	7.59	0.8988	0.8839	0.1481	0.0093	0.0007	0.0148	-0.0002	-.0002	0.0002	-.0001
102	7.79	0.8997	0.8828	0.1465	0.0095	0.0005	0.0150	-0.0002	-.0002	0.0002	-.0001
103	7.99	0.8993	0.8818	0.1444	0.0097	0.0002	0.0154	-0.0002	-.0002	0.0002	-.0000
104	8.19	0.9009	0.8814	0.1430	0.0099	-.0001	0.0156	-0.0002	-.0002	0.0002	0.0001
105	8.39	0.9000	0.8815	0.1420	0.0100	-.0003	0.0157	-0.0001	-.0002	0.0003	0.0001
106	8.59	0.8956	0.8807	0.1403	0.0103	-.0005	0.0160	-0.0001	-.0002	0.0003	0.0002
107	8.79	0.8914	0.8803	0.1387	0.0106	-.0008	0.0163	-0.0002	-.0002	0.0003	0.0002
108	8.99	0.8898	0.8799	0.1374	0.0109	-.0011	0.0164	-0.0002	-.0002	0.0002	0.0003
109	9.19	0.8886	0.8796	0.1363	0.0111	-.0014	0.0163	-0.0002	-.0002	0.0002	0.0003
110	9.39	0.8911	0.8793	0.1360	0.0112	-.0017	0.0159	-0.0002	-.0002	0.0002	0.0003
111	9.59	0.8906	0.8788	0.1359	0.0113	-.0020	0.0153	-0.0002	-.0002	0.0002	0.0004
112	9.79	0.8886	0.8783	0.1348	0.0115	-.0023	0.0150	-0.0003	-.0002	0.0001	0.0004
113	9.99	0.8829	0.8788	0.1340	0.0118	-.0026	0.0148	-0.0003	-.0002	0.0001	0.0004
114	10.19	0.8737	0.8800	0.1334	0.0121	-.0029	0.0147	-0.0003	-.0002	0.0001	0.0005
115	10.39	0.8625	0.8832	0.1334	0.0124	-.0031	0.0146	-0.0004	-.0001	0.0000	0.0005
116	10.59	0.8529	0.8864	0.1332	0.0127	-.0033	0.0147	-0.0004	-.0001	0.0000	0.0006
117	10.79	0.8422	0.8911	0.1335	0.0130	-.0035	0.0147	-0.0004	-.0001	-.0000	0.0006
118	10.99	0.8328	0.8962	0.1340	0.0132	-.0037	0.0148	-0.0005	-.0001	-.0001	0.0007
119	11.19	0.8221	0.9004	0.1347	0.0133	-.0039	0.0146	-0.0005	-.0000	-.0002	0.0007
120	11.39	0.8107	0.9035	0.1347	0.0134	-.0041	0.0145	-0.0006	-.0000	-.0002	0.0008

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
121	11.59	0.8001	0.9063	0.1344	0.0135	-.0043	0.0141	-0.0006	0.0000	-.0002	0.0008
122	11.79	0.7885	0.9086	0.1342	0.0135	-.0044	0.0139	-0.0007	0.0000	-.0003	0.0008
123	11.99	0.7786	0.9094	0.1342	0.0135	-.0045	0.0135	-0.0007	0.0000	-.0003	0.0008
124	12.19	0.7662	0.9108	0.1342	0.0135	-.0045	0.0131	-0.0008	0.0001	-.0004	0.0008
125	12.39	0.7536	0.9154	0.1346	0.0136	-.0046	0.0129	-0.0009	0.0001	-.0004	0.0009
126	12.59	0.7376	0.9176	0.1348	0.0136	-.0046	0.0125	-0.0009	0.0001	-.0004	0.0009
127	12.79	0.7232	0.9217	0.1352	0.0137	-.0046	0.0122	-0.0010	0.0002	-.0005	0.0009
128	12.99	0.7106	0.9265	0.1358	0.0138	-.0046	0.0119	-0.0011	0.0002	-.0005	0.0009
129	13.19	0.6961	0.9318	0.1362	0.0139	-.0047	0.0117	-0.0012	0.0003	-.0005	0.0010
130	13.39	0.6775	0.9374	0.1366	0.0139	-.0047	0.0114	-0.0014	0.0003	-.0006	0.0010
131	13.59	0.6603	0.9424	0.1368	0.0139	-.0048	0.0111	-0.0014	0.0003	-.0006	0.0010
132	13.79	0.6420	0.9504	0.1367	0.0139	-.0047	0.0108	-0.0016	0.0004	-.0006	0.0010
133	13.99	0.6211	0.9543	0.1372	0.0138	-.0047	0.0105	-0.0016	0.0004	-.0006	0.0010
134	14.19	0.6015	0.9581	0.1378	0.0136	-.0047	0.0103	-0.0016	0.0005	-.0007	0.0010
135	14.39	0.5801	0.9619	0.1382	0.0133	-.0047	0.0101	-0.0017	0.0005	-.0007	0.0010
136	14.59	0.5594	0.9656	0.1384	0.0130	-.0046	0.0098	-0.0017	0.0005	-.0007	0.0010
137	14.79	0.5376	0.9689	0.1386	0.0127	-.0045	0.0095	-0.0017	0.0005	-.0007	0.0010
138	14.99	0.5155	0.9700	0.1388	0.0123	-.0044	0.0092	-0.0017	0.0005	-.0007	0.0010
139	15.19	0.4946	0.9726	0.1386	0.0120	-.0042	0.0088	-0.0017	0.0006	-.0007	0.0010
140	15.39	0.4721	0.9761	0.1386	0.0117	-.0042	0.0085	-0.0017	0.0006	-.0007	0.0010
141	15.59	0.4497	0.9790	0.1386	0.0115	-.0040	0.0082	-0.0017	0.0006	-.0007	0.0009
142	15.79	0.4307	0.9823	0.1385	0.0112	-.0039	0.0078	-0.0018	0.0006	-.0007	0.0009
143	15.99	0.4079	0.9859	0.1387	0.0109	-.0039	0.0075	-0.0018	0.0006	-.0007	0.0009
144	16.19	0.3908	0.9900	0.1394	0.0107	-.0039	0.0073	-0.0019	0.0007	-.0007	0.0009
145	16.39	0.3712	0.9950	0.1393	0.0105	-.0038	0.0070	-0.0019	0.0007	-.0007	0.0009
146	16.59	0.3516	0.9995	0.1395	0.0103	-.0037	0.0067	-0.0019	0.0007	-.0007	0.0009
147	16.79	0.3327	1.0020	0.1400	0.0100	-.0036	0.0065	-0.0019	0.0007	-.0007	0.0009
148	16.99	0.3146	1.0046	0.1404	0.0096	-.0034	0.0062	-0.0019	0.0007	-.0007	0.0008
149	17.19	0.2972	1.0077	0.1412	0.0093	-.0034	0.0061	-0.0019	0.0006	-.0007	0.0008
150	17.39	0.2826	1.0083	0.1419	0.0089	-.0032	0.0059	-0.0018	0.0006	-.0007	0.0008
151	17.59	0.2669	1.0095	0.1423	0.0084	-.0031	0.0056	-0.0018	0.0006	-.0007	0.0008
152	17.79	0.2528	1.0101	0.1428	0.0079	-.0030	0.0053	-0.0017	0.0006	-.0007	0.0008
153	17.99	0.2398	1.0116	0.1429	0.0075	-.0028	0.0050	-0.0016	0.0006	-.0006	0.0007
154	18.19	0.2273	1.0136	0.1432	0.0071	-.0027	0.0048	-0.0015	0.0006	-.0006	0.0007
155	18.39	0.2157	1.0159	0.1433	0.0067	-.0026	0.0045	-0.0015	0.0006	-.0006	0.0007
156	18.59	0.2034	1.0186	0.1436	0.0064	-.0024	0.0043	-0.0014	0.0005	-.0006	0.0006

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
157	18.79	0.1929	1.0227	0.1438	0.0060	-.0023	0.0041	-0.0013	0.0005	-.0005	0.0006
158	18.99	0.1823	1.0260	0.1440	0.0057	-.0022	0.0040	-0.0012	0.0005	-.0005	0.0006
159	19.19	0.1747	1.0273	0.1441	0.0055	-.0021	0.0038	-0.0012	0.0005	-.0005	0.0006
160	19.39	0.1641	1.0289	0.1443	0.0052	-.0020	0.0037	-0.0011	0.0005	-.0005	0.0005
161	19.59	0.1536	1.0307	0.1444	0.0049	-.0019	0.0036	-0.0011	0.0004	-.0005	0.0005
162	19.79	0.1436	1.0313	0.1444	0.0046	-.0018	0.0034	-0.0010	0.0004	-.0004	0.0005
163	19.99	0.1341	1.0309	0.1443	0.0044	-.0017	0.0032	-0.0010	0.0004	-.0004	0.0005
164	20.19	0.1270	1.0304	0.1441	0.0041	-.0016	0.0030	-0.0010	0.0004	-.0004	0.0005
165	20.39	0.1192	1.0319	0.1441	0.0038	-.0016	0.0029	-0.0009	0.0004	-.0004	0.0005
166	20.59	0.1119	1.0316	0.1440	0.0036	-.0015	0.0027	-0.0008	0.0004	-.0004	0.0004
167	20.79	0.1050	1.0313	0.1438	0.0033	-.0014	0.0026	-0.0008	0.0004	-.0003	0.0004
168	20.99	0.0998	1.0327	0.1441	0.0033	-.0014	0.0025	-0.0008	0.0004	-.0003	0.0004
169	21.19	0.0940	1.0329	0.1441	0.0031	-.0013	0.0024	-0.0007	0.0003	-.0003	0.0004
170	21.39	0.0889	1.0337	0.1442	0.0030	-.0012	0.0023	-0.0007	0.0003	-.0003	0.0004
171	21.59	0.0842	1.0346	0.1443	0.0028	-.0012	0.0022	-0.0007	0.0003	-.0003	0.0004
172	21.79	0.0796	1.0356	0.1444	0.0027	-.0011	0.0021	-0.0007	0.0003	-.0003	0.0004
173	21.99	0.0715	1.0363	0.1448	0.0024	-.0011	0.0019	-0.0006	0.0003	-.0002	0.0003
174	22.19	0.0666	1.0373	0.1450	0.0023	-.0010	0.0019	-0.0006	0.0003	-.0002	0.0003
175	22.39	0.0619	1.0383	0.1452	0.0022	-.0009	0.0018	-0.0005	0.0002	-.0002	0.0003
176	22.59	0.0576	1.0391	0.1452	0.0020	-.0009	0.0017	-0.0005	0.0002	-.0002	0.0003
177	22.79	0.0534	1.0403	0.1453	0.0019	-.0008	0.0016	-0.0005	0.0002	-.0002	0.0003
178	22.99	0.0495	1.0411	0.1454	0.0018	-.0008	0.0015	-0.0004	0.0002	-.0002	0.0002
179	23.19	0.0458	1.0418	0.1456	0.0017	-.0007	0.0014	-0.0004	0.0002	-.0002	0.0002
180	23.39	0.0423	1.0428	0.1457	0.0016	-.0007	0.0014	-0.0004	0.0002	-.0001	0.0002
181	23.59	0.0387	1.0438	0.1458	0.0015	-.0006	0.0013	-0.0004	0.0001	-.0001	0.0002
182	23.79	0.0351	1.0446	0.1458	0.0014	-.0006	0.0012	-0.0003	0.0001	-.0001	0.0002
183	23.99	0.0319	1.0454	0.1459	0.0013	-.0005	0.0011	-0.0003	0.0001	-.0001	0.0002
184	24.19	0.0293	1.0460	0.1459	0.0012	-.0005	0.0011	-0.0003	0.0001	-.0001	0.0001
185	24.39	0.0263	1.0467	0.1459	0.0011	-.0005	0.0010	-0.0003	0.0001	-.0001	0.0001
186	24.59	0.0238	1.0474	0.1460	0.0010	-.0004	0.0010	-0.0002	0.0001	-.0001	0.0001
187	24.79	0.0220	1.0480	0.1461	0.0010	-.0004	0.0009	-0.0002	0.0001	-.0001	0.0001
188	24.99	0.0193	1.0489	0.1461	0.0009	-.0004	0.0009	-0.0002	0.0001	-.0001	0.0001
189	25.19	0.0175	1.0494	0.1462	0.0008	-.0003	0.0008	-0.0002	0.0001	-.0001	0.0001
190	25.39	0.0159	1.0500	0.1462	0.0007	-.0003	0.0008	-0.0001	0.0001	-.0001	0.0001
191	25.59	0.0146	1.0505	0.1463	0.0007	-.0003	0.0008	-0.0001	0.0001	-.0001	0.0001
192	25.79	0.0133	1.0510	0.1463	0.0007	-.0003	0.0007	-0.0001	0.0000	-.0000	0.0001

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
193	25.99	0.0121	1.0515	0.1463	0.0006	-.0002	0.0007	-0.0001	0.0000	-.0000	0.0001
194	26.19	0.0110	1.0519	0.1464	0.0006	-.0002	0.0007	-0.0001	0.0000	-.0000	0.0001
195	26.39	0.0101	1.0523	0.1464	0.0006	-.0002	0.0007	-0.0001	0.0000	-.0000	0.0001

IX=150; X=155.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
53	-2.01	0.0148	1.0282	0.1717	0.0003	-.0000	0.0005	0.0000	0.0000	0.0000	-.0000
54	-1.81	0.0185	1.0284	0.1718	0.0003	-.0000	0.0006	0.0000	0.0000	0.0000	-.0000
55	-1.61	0.0230	1.0284	0.1717	0.0003	-.0000	0.0006	0.0000	0.0000	0.0000	-.0000
56	-1.41	0.0277	1.0286	0.1718	0.0004	-.0000	0.0007	0.0000	-.0000	0.0000	-.0000
57	-1.21	0.0332	1.0287	0.1719	0.0004	-.0000	0.0007	0.0000	-.0000	0.0000	-.0000
58	-1.01	0.0387	1.0288	0.1717	0.0004	0.0000	0.0008	0.0000	-.0000	0.0000	-.0000
59	-0.81	0.0460	1.0289	0.1718	0.0005	0.0000	0.0009	0.0000	-.0000	-.0000	-.0001
60	-0.61	0.0541	1.0289	0.1719	0.0005	0.0000	0.0010	0.0000	-.0000	-.0000	-.0001
61	-0.41	0.0633	1.0291	0.1723	0.0006	0.0000	0.0010	0.0000	-.0000	-.0000	-.0001
62	-0.21	0.0735	1.0289	0.1722	0.0006	0.0000	0.0011	-0.0000	-.0000	-.0000	-.0001
63	-0.01	0.0852	1.0287	0.1720	0.0007	0.0001	0.0012	-0.0000	-.0000	-.0000	-.0001
64	0.19	0.0969	1.0284	0.1717	0.0008	0.0001	0.0014	-0.0000	-.0000	-.0000	-.0001
65	0.39	0.1111	1.0280	0.1716	0.0009	0.0001	0.0016	-0.0000	-.0000	-.0000	-.0001
66	0.59	0.1264	1.0275	0.1711	0.0009	0.0001	0.0017	-0.0000	-.0000	-.0000	-.0002
67	0.79	0.1432	1.0269	0.1706	0.0010	0.0002	0.0018	-0.0000	-.0000	-.0000	-.0002
68	0.99	0.1613	1.0262	0.1701	0.0011	0.0002	0.0020	-0.0000	-.0001	-.0000	-.0002
69	1.19	0.1807	1.0253	0.1697	0.0013	0.0002	0.0022	-0.0000	-.0001	-.0000	-.0002
70	1.39	0.2013	1.0246	0.1697	0.0014	0.0003	0.0024	-0.0000	-.0001	-.0000	-.0002
71	1.59	0.2244	1.0236	0.1696	0.0016	0.0003	0.0026	-0.0000	-.0001	-.0000	-.0003
72	1.79	0.2474	1.0225	0.1698	0.0017	0.0004	0.0029	-0.0000	-.0001	-.0000	-.0003
73	1.99	0.2718	1.0212	0.1702	0.0019	0.0005	0.0032	-0.0000	-.0001	-.0001	-.0003
74	2.19	0.2961	1.0199	0.1707	0.0021	0.0006	0.0036	-0.0000	-.0001	-.0001	-.0004
75	2.39	0.3220	1.0181	0.1707	0.0023	0.0007	0.0039	-0.0001	-.0001	-.0001	-.0004
76	2.59	0.3488	1.0163	0.1708	0.0025	0.0008	0.0042	-0.0001	-.0001	-.0001	-.0005
77	2.79	0.3765	1.0146	0.1706	0.0027	0.0009	0.0046	-0.0001	-.0002	-.0001	-.0005
78	2.99	0.4036	1.0126	0.1705	0.0029	0.0010	0.0049	-0.0001	-.0002	-.0001	-.0005
79	3.19	0.4307	1.0110	0.1699	0.0031	0.0011	0.0053	-0.0001	-.0002	-.0001	-.0005
80	3.39	0.4579	1.0093	0.1694	0.0034	0.0011	0.0056	-0.0001	-.0002	-.0001	-.0006

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
81	3.59	0.4833	1.0078	0.1690	0.0036	0.0012	0.0059	-0.0001	-.0002	-.0001	-.0006
82	3.79	0.5094	1.0037	0.1698	0.0039	0.0013	0.0062	-0.0001	-.0002	-.0001	-.0006
83	3.99	0.5348	1.0000	0.1699	0.0042	0.0014	0.0065	-0.0001	-.0002	-.0001	-.0006
84	4.19	0.5604	0.9974	0.1700	0.0045	0.0014	0.0069	-0.0001	-.0002	-.0001	-.0006
85	4.39	0.5849	0.9936	0.1699	0.0048	0.0015	0.0072	-0.0001	-.0002	-.0001	-.0006
86	4.59	0.6090	0.9883	0.1709	0.0050	0.0017	0.0076	-0.0001	-.0002	-.0001	-.0006
87	4.79	0.6328	0.9853	0.1696	0.0053	0.0016	0.0080	-0.0002	-.0002	-.0001	-.0007
88	4.99	0.6549	0.9820	0.1682	0.0056	0.0015	0.0084	-0.0002	-.0002	-.0001	-.0007
89	5.19	0.6741	0.9767	0.1689	0.0059	0.0016	0.0088	-0.0002	-.0002	-.0001	-.0007
90	5.39	0.6959	0.9725	0.1681	0.0061	0.0017	0.0091	-0.0002	-.0002	-.0001	-.0007
91	5.59	0.7162	0.9677	0.1679	0.0063	0.0018	0.0095	-0.0002	-.0002	-.0001	-.0007
92	5.79	0.7351	0.9631	0.1676	0.0064	0.0019	0.0097	-0.0002	-.0002	-.0001	-.0007
93	5.99	0.7530	0.9591	0.1665	0.0066	0.0021	0.0101	-0.0002	-.0002	-.0001	-.0007
94	6.19	0.7741	0.9543	0.1659	0.0067	0.0021	0.0104	-0.0002	-.0002	-.0001	-.0006
95	6.39	0.7868	0.9507	0.1646	0.0069	0.0021	0.0109	-0.0002	-.0002	-.0001	-.0006
96	6.59	0.7987	0.9469	0.1636	0.0071	0.0020	0.0113	-0.0002	-.0002	-.0000	-.0006
97	6.79	0.8098	0.9426	0.1629	0.0073	0.0020	0.0116	-0.0002	-.0002	-.0000	-.0006
98	6.99	0.8206	0.9380	0.1621	0.0075	0.0019	0.0118	-0.0002	-.0002	-.0000	-.0005
99	7.19	0.8313	0.9338	0.1613	0.0077	0.0018	0.0120	-0.0001	-.0002	0.0000	-.0005
100	7.39	0.8406	0.9288	0.1612	0.0078	0.0017	0.0121	-0.0001	-.0001	0.0000	-.0005
101	7.59	0.8510	0.9237	0.1612	0.0078	0.0016	0.0123	-0.0001	-.0001	0.0001	-.0004
102	7.79	0.8606	0.9191	0.1608	0.0078	0.0015	0.0124	-0.0001	-.0001	0.0001	-.0004
103	7.99	0.8696	0.9149	0.1604	0.0079	0.0014	0.0125	-0.0001	-.0001	0.0001	-.0003
104	8.19	0.8768	0.9110	0.1600	0.0079	0.0013	0.0125	-0.0001	-.0001	0.0001	-.0003
105	8.39	0.8843	0.9075	0.1596	0.0080	0.0011	0.0125	-0.0001	-.0001	0.0001	-.0002
106	8.59	0.8893	0.9048	0.1589	0.0080	0.0009	0.0125	-0.0001	-.0001	0.0001	-.0002
107	8.79	0.8941	0.9026	0.1587	0.0081	0.0008	0.0123	-0.0001	-.0001	0.0001	-.0001
108	8.99	0.8974	0.9010	0.1588	0.0082	0.0006	0.0122	-0.0001	-.0001	0.0001	-.0001
109	9.19	0.9008	0.9001	0.1589	0.0083	0.0004	0.0122	-0.0001	-.0001	0.0002	-.0000
110	9.39	0.9043	0.8994	0.1592	0.0082	0.0001	0.0121	-0.0001	-.0001	0.0002	0.0000
111	9.59	0.9046	0.8990	0.1598	0.0083	-.0000	0.0120	-0.0001	-.0001	0.0002	0.0000
112	9.79	0.9037	0.8989	0.1603	0.0083	-.0002	0.0118	-0.0001	-.0001	0.0001	0.0001
113	9.99	0.9016	0.8990	0.1611	0.0084	-.0005	0.0117	-0.0001	-.0001	0.0001	0.0001
114	10.19	0.8992	0.8995	0.1616	0.0085	-.0007	0.0114	-0.0002	-.0001	0.0001	0.0001
115	10.39	0.8951	0.8994	0.1616	0.0087	-.0010	0.0113	-0.0002	-.0001	0.0001	0.0002
116	10.59	0.8910	0.8998	0.1619	0.0088	-.0012	0.0112	-0.0002	-.0001	0.0001	0.0002

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
117	10.79	0.8860	0.9004	0.1623	0.0090	-.0014	0.0111	-0.0002	-.0001	0.0001	0.0002
118	10.99	0.8805	0.9011	0.1626	0.0091	-.0016	0.0110	-0.0002	-.0001	0.0001	0.0002
119	11.19	0.8740	0.9030	0.1630	0.0092	-.0018	0.0107	-0.0002	-.0001	0.0000	0.0003
120	11.39	0.8671	0.9048	0.1640	0.0093	-.0019	0.0104	-0.0002	-.0001	0.0000	0.0003
121	11.59	0.8590	0.9074	0.1658	0.0094	-.0020	0.0101	-0.0002	-.0001	0.0000	0.0003
122	11.79	0.8505	0.9096	0.1663	0.0096	-.0022	0.0100	-0.0003	-.0001	-.0000	0.0003
123	11.99	0.8403	0.9120	0.1668	0.0098	-.0023	0.0098	-0.0003	-.0001	-.0000	0.0004
124	12.19	0.8305	0.9140	0.1672	0.0099	-.0025	0.0098	-0.0003	-.0000	-.0001	0.0004
125	12.39	0.8171	0.9190	0.1683	0.0100	-.0026	0.0094	-0.0004	-.0000	-.0001	0.0004
126	12.59	0.8034	0.9225	0.1701	0.0100	-.0026	0.0092	-0.0004	-.0000	-.0001	0.0004
127	12.79	0.7998	0.9224	0.1706	0.0101	-.0026	0.0093	-0.0005	0.0000	-.0001	0.0004
128	12.99	0.7907	0.9242	0.1713	0.0100	-.0027	0.0093	-0.0005	0.0000	-.0002	0.0004
129	13.19	0.7723	0.9281	0.1727	0.0099	-.0027	0.0089	-0.0005	0.0000	-.0002	0.0004
130	13.39	0.7541	0.9315	0.1731	0.0099	-.0027	0.0087	-0.0006	0.0001	-.0002	0.0004
131	13.59	0.7362	0.9373	0.1731	0.0099	-.0027	0.0084	-0.0006	0.0001	-.0002	0.0004
132	13.79	0.7156	0.9421	0.1713	0.0101	-.0028	0.0083	-0.0007	0.0001	-.0002	0.0005
133	13.99	0.6997	0.9474	0.1688	0.0103	-.0030	0.0083	-0.0007	0.0001	-.0003	0.0005
134	14.19	0.6832	0.9519	0.1645	0.0108	-.0032	0.0085	-0.0008	0.0001	-.0003	0.0006
135	14.39	0.6685	0.9536	0.1621	0.0110	-.0033	0.0087	-0.0009	0.0002	-.0003	0.0006
136	14.59	0.6653	0.9515	0.1583	0.0114	-.0035	0.0094	-0.0009	0.0002	-.0004	0.0006
137	14.79	0.6495	0.9538	0.1585	0.0114	-.0035	0.0092	-0.0009	0.0002	-.0004	0.0006
138	14.99	0.6327	0.9554	0.1590	0.0113	-.0036	0.0089	-0.0010	0.0002	-.0004	0.0007
139	15.19	0.6176	0.9565	0.1589	0.0113	-.0036	0.0087	-0.0010	0.0002	-.0004	0.0007
140	15.39	0.6073	0.9595	0.1612	0.0109	-.0035	0.0081	-0.0010	0.0002	-.0004	0.0006
141	15.59	0.5953	0.9609	0.1610	0.0108	-.0034	0.0078	-0.0011	0.0003	-.0004	0.0006
142	15.79	0.5900	0.9608	0.1595	0.0107	-.0035	0.0078	-0.0011	0.0003	-.0004	0.0006
143	15.99	0.5796	0.9616	0.1576	0.0108	-.0035	0.0080	-0.0011	0.0003	-.0005	0.0007
144	16.19	0.5623	0.9649	0.1574	0.0107	-.0035	0.0079	-0.0012	0.0003	-.0005	0.0007
145	16.39	0.5424	0.9701	0.1577	0.0105	-.0034	0.0077	-0.0012	0.0003	-.0005	0.0007
146	16.59	0.5177	0.9761	0.1595	0.0103	-.0034	0.0073	-0.0013	0.0004	-.0005	0.0007
147	16.79	0.4979	0.9812	0.1603	0.0102	-.0034	0.0071	-0.0013	0.0004	-.0005	0.0007
148	16.99	0.4793	0.9869	0.1611	0.0101	-.0034	0.0069	-0.0013	0.0004	-.0005	0.0007
149	17.19	0.4679	0.9912	0.1612	0.0099	-.0033	0.0067	-0.0014	0.0004	-.0005	0.0007
150	17.39	0.4552	0.9943	0.1606	0.0098	-.0033	0.0067	-0.0014	0.0005	-.0005	0.0007
151	17.59	0.4393	0.9974	0.1604	0.0096	-.0033	0.0066	-0.0014	0.0005	-.0005	0.0007
152	17.79	0.4292	0.9991	0.1598	0.0094	-.0032	0.0064	-0.0014	0.0005	-.0005	0.0007

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
153	17.99	0.4111	0.9990	0.1593	0.0092	-.0032	0.0063	-0.0014	0.0005	-.0005	0.0007
154	18.19	0.3942	0.9990	0.1592	0.0089	-.0031	0.0061	-0.0014	0.0005	-.0005	0.0007
155	18.39	0.3805	0.9975	0.1589	0.0087	-.0030	0.0059	-0.0014	0.0005	-.0005	0.0007
156	18.59	0.3632	1.0010	0.1592	0.0086	-.0030	0.0057	-0.0014	0.0005	-.0005	0.0007
157	18.79	0.3485	1.0018	0.1594	0.0084	-.0029	0.0055	-0.0014	0.0005	-.0005	0.0007
158	18.99	0.3337	1.0038	0.1598	0.0083	-.0028	0.0054	-0.0014	0.0005	-.0005	0.0006
159	19.19	0.3216	1.0059	0.1603	0.0081	-.0027	0.0052	-0.0015	0.0005	-.0005	0.0006
160	19.39	0.3069	1.0095	0.1609	0.0079	-.0026	0.0051	-0.0015	0.0005	-.0005	0.0006
161	19.59	0.2943	1.0132	0.1612	0.0078	-.0026	0.0049	-0.0015	0.0004	-.0005	0.0006
162	19.79	0.2807	1.0160	0.1613	0.0075	-.0025	0.0047	-0.0014	0.0004	-.0005	0.0006
163	19.99	0.2663	1.0197	0.1618	0.0072	-.0024	0.0046	-0.0014	0.0004	-.0005	0.0006
164	20.19	0.2534	1.0239	0.1622	0.0070	-.0023	0.0044	-0.0014	0.0004	-.0005	0.0006
165	20.39	0.2382	1.0258	0.1623	0.0067	-.0023	0.0042	-0.0013	0.0004	-.0004	0.0006
166	20.59	0.2234	1.0272	0.1624	0.0063	-.0022	0.0041	-0.0013	0.0004	-.0004	0.0005
167	20.79	0.2118	1.0285	0.1627	0.0060	-.0021	0.0039	-0.0012	0.0004	-.0004	0.0005
168	20.99	0.1971	1.0289	0.1629	0.0056	-.0020	0.0037	-0.0011	0.0004	-.0004	0.0005
169	21.19	0.1853	1.0294	0.1631	0.0052	-.0019	0.0036	-0.0011	0.0004	-.0004	0.0005
170	21.39	0.1741	1.0294	0.1632	0.0048	-.0018	0.0034	-0.0010	0.0004	-.0004	0.0005
171	21.59	0.1640	1.0298	0.1635	0.0045	-.0017	0.0033	-0.0009	0.0004	-.0004	0.0005
172	21.79	0.1550	1.0306	0.1639	0.0042	-.0017	0.0032	-0.0009	0.0003	-.0003	0.0005
173	21.99	0.1453	1.0318	0.1640	0.0040	-.0016	0.0030	-0.0008	0.0003	-.0003	0.0004
174	22.19	0.1361	1.0329	0.1642	0.0037	-.0015	0.0029	-0.0007	0.0003	-.0003	0.0004
175	22.39	0.1260	1.0351	0.1643	0.0036	-.0014	0.0028	-0.0007	0.0003	-.0003	0.0004
176	22.59	0.1184	1.0381	0.1644	0.0035	-.0014	0.0026	-0.0007	0.0003	-.0003	0.0004
177	22.79	0.1114	1.0405	0.1645	0.0034	-.0014	0.0026	-0.0007	0.0003	-.0003	0.0004
178	22.99	0.1050	1.0415	0.1646	0.0033	-.0014	0.0025	-0.0007	0.0003	-.0003	0.0004
179	23.19	0.0989	1.0424	0.1646	0.0031	-.0013	0.0024	-0.0007	0.0003	-.0003	0.0004
180	23.39	0.0931	1.0425	0.1646	0.0029	-.0013	0.0022	-0.0007	0.0003	-.0003	0.0003
181	23.59	0.0871	1.0422	0.1644	0.0028	-.0012	0.0021	-0.0006	0.0003	-.0003	0.0003
182	23.79	0.0816	1.0421	0.1643	0.0026	-.0011	0.0020	-0.0006	0.0003	-.0002	0.0003
183	23.99	0.0765	1.0410	0.1641	0.0024	-.0010	0.0019	-0.0005	0.0002	-.0002	0.0003
184	24.19	0.0717	1.0401	0.1640	0.0022	-.0009	0.0018	-0.0004	0.0002	-.0002	0.0003
185	24.39	0.0664	1.0408	0.1641	0.0021	-.0008	0.0018	-0.0004	0.0002	-.0002	0.0003
186	24.59	0.0620	1.0402	0.1640	0.0019	-.0007	0.0017	-0.0004	0.0002	-.0001	0.0002
187	24.79	0.0579	1.0398	0.1639	0.0018	-.0007	0.0016	-0.0003	0.0001	-.0001	0.0002
188	24.99	0.0552	1.0419	0.1641	0.0017	-.0007	0.0015	-0.0003	0.0001	-.0001	0.0002

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
189	25.19	0.0517	1.0423	0.1641	0.0016	-.0006	0.0015	-0.0003	0.0001	-.0001	0.0002
190	25.39	0.0484	1.0429	0.1642	0.0015	-.0006	0.0014	-0.0003	0.0001	-.0001	0.0002
191	25.59	0.0452	1.0437	0.1643	0.0014	-.0005	0.0013	-0.0003	0.0001	-.0001	0.0002
192	25.79	0.0414	1.0436	0.1642	0.0014	-.0005	0.0012	-0.0003	0.0001	-.0001	0.0002
193	25.99	0.0383	1.0443	0.1642	0.0013	-.0004	0.0011	-0.0003	0.0001	-.0001	0.0001
194	26.19	0.0357	1.0451	0.1643	0.0012	-.0004	0.0011	-0.0002	0.0001	-.0001	0.0001
195	26.39	0.0333	1.0458	0.1644	0.0012	-.0004	0.0010	-0.0002	0.0001	-.0001	0.0001
196	26.59	0.0312	1.0462	0.1645	0.0011	-.0004	0.0010	-0.0002	0.0001	-.0001	0.0001
197	26.79	0.0290	1.0470	0.1647	0.0011	-.0004	0.0010	-0.0002	0.0001	-.0001	0.0001
198	26.99	0.0270	1.0476	0.1648	0.0011	-.0004	0.0009	-0.0002	0.0001	-.0001	0.0001
199	27.19	0.0253	1.0482	0.1649	0.0010	-.0003	0.0009	-0.0002	0.0001	-.0001	0.0001
200	27.39	0.0235	1.0487	0.1650	0.0010	-.0003	0.0009	-0.0002	0.0001	-.0001	0.0001
201	27.59	0.0218	1.0493	0.1651	0.0009	-.0003	0.0008	-0.0002	0.0001	-.0001	0.0001
202	27.79	0.0202	1.0499	0.1652	0.0009	-.0003	0.0008	-0.0002	0.0001	-.0001	0.0001
203	27.99	0.0188	1.0503	0.1653	0.0008	-.0003	0.0008	-0.0002	0.0001	-.0000	0.0001
204	28.19	0.0175	1.0510	0.1654	0.0008	-.0003	0.0007	-0.0002	0.0001	-.0000	0.0001
205	28.39	0.0162	1.0514	0.1655	0.0007	-.0002	0.0007	-0.0001	0.0001	-.0000	0.0001
206	28.59	0.0150	1.0519	0.1656	0.0007	-.0002	0.0007	-0.0001	0.0001	-.0000	0.0001
207	28.79	0.0139	1.0523	0.1657	0.0007	-.0002	0.0007	-0.0001	0.0001	-.0000	0.0001
208	28.99	0.0129	1.0527	0.1658	0.0006	-.0002	0.0007	-0.0001	0.0000	-.0000	0.0001
209	29.19	0.0120	1.0531	0.1659	0.0006	-.0002	0.0007	-0.0001	0.0000	-.0000	0.0001
210	29.39	0.0111	1.0535	0.1660	0.0006	-.0002	0.0006	-0.0001	0.0000	-.0000	0.0001
211	29.59	0.0103	1.0539	0.1661	0.0005	-.0002	0.0006	-0.0001	0.0000	-.0000	0.0001

IX=160; X=165.86CM

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
57	-1.21	0.0110	1.0330	0.1866	0.0003	-.0000	0.0004	0.0000	0.0000	0.0000	-.0000
58	-1.01	0.0163	1.0331	0.1867	0.0003	-.0000	0.0005	0.0000	0.0000	0.0000	-.0000
59	-0.81	0.0225	1.0333	0.1868	0.0003	-.0000	0.0005	0.0000	0.0000	0.0000	-.0000
60	-0.61	0.0294	1.0334	0.1869	0.0003	-.0000	0.0006	0.0000	0.0000	0.0000	-.0000
61	-0.41	0.0370	1.0334	0.1870	0.0004	-.0000	0.0006	0.0000	-.0000	0.0000	-.0000
62	-0.21	0.0453	1.0334	0.1870	0.0004	-.0000	0.0007	0.0000	-.0000	0.0000	-.0000
63	-0.01	0.0544	1.0334	0.1871	0.0004	-.0000	0.0007	0.0000	-.0000	0.0000	-.0000
64	0.19	0.0642	1.0333	0.1872	0.0005	0.0000	0.0008	0.0000	-.0000	0.0000	-.0001

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
65	0.39	0.0747	1.0332	0.1872	0.0005	0.0000	0.0009	0.0000	-.0000	0.0000	-.0001
66	0.59	0.0860	1.0330	0.1873	0.0006	0.0000	0.0010	0.0000	-.0000	-.0000	-.0001
67	0.79	0.0980	1.0327	0.1873	0.0006	0.0000	0.0011	0.0000	-.0000	-.0000	-.0001
68	0.99	0.1107	1.0325	0.1873	0.0007	0.0001	0.0012	0.0000	-.0000	-.0000	-.0001
69	1.19	0.1271	1.0321	0.1874	0.0007	0.0001	0.0013	0.0000	-.0000	-.0000	-.0001
70	1.39	0.1387	1.0316	0.1873	0.0008	0.0001	0.0014	0.0000	-.0000	-.0000	-.0001
71	1.59	0.1546	1.0311	0.1873	0.0009	0.0001	0.0015	0.0000	-.0000	-.0000	-.0001
72	1.79	0.1751	1.0305	0.1873	0.0010	0.0002	0.0017	-0.0000	-.0000	-.0000	-.0002
73	1.99	0.1855	1.0298	0.1874	0.0011	0.0002	0.0019	-0.0000	-.0000	-.0000	-.0002
74	2.19	0.2048	1.0290	0.1873	0.0011	0.0003	0.0020	-0.0000	-.0000	-.0000	-.0002
75	2.39	0.2247	1.0281	0.1874	0.0013	0.0003	0.0022	-0.0000	-.0001	-.0000	-.0002
76	2.59	0.2420	1.0272	0.1873	0.0014	0.0004	0.0024	-0.0000	-.0001	-.0000	-.0002
77	2.79	0.2636	1.0261	0.1873	0.0015	0.0004	0.0026	-0.0000	-.0001	-.0000	-.0003
78	2.99	0.2837	1.0250	0.1871	0.0016	0.0005	0.0028	-0.0000	-.0001	-.0000	-.0003
79	3.19	0.3067	1.0237	0.1870	0.0018	0.0005	0.0030	-0.0000	-.0001	-.0000	-.0003
80	3.39	0.3319	1.0222	0.1869	0.0019	0.0006	0.0033	-0.0000	-.0001	-.0001	-.0003
81	3.59	0.3488	1.0206	0.1867	0.0021	0.0007	0.0035	-0.0001	-.0001	-.0001	-.0003
82	3.79	0.3742	1.0189	0.1868	0.0023	0.0007	0.0037	-0.0001	-.0001	-.0001	-.0003
83	3.99	0.3998	1.0170	0.1865	0.0024	0.0008	0.0040	-0.0001	-.0001	-.0001	-.0004
84	4.19	0.4225	1.0150	0.1862	0.0026	0.0009	0.0042	-0.0001	-.0001	-.0001	-.0004
85	4.39	0.4491	1.0128	0.1858	0.0028	0.0009	0.0045	-0.0001	-.0001	-.0001	-.0004
86	4.59	0.4757	1.0110	0.1857	0.0030	0.0010	0.0048	-0.0001	-.0001	-.0001	-.0004
87	4.79	0.5020	1.0084	0.1852	0.0031	0.0011	0.0050	-0.0001	-.0001	-.0001	-.0004
88	4.99	0.5263	1.0057	0.1847	0.0033	0.0011	0.0053	-0.0001	-.0001	-.0001	-.0004
89	5.19	0.5507	1.0029	0.1841	0.0036	0.0012	0.0055	-0.0001	-.0001	-.0001	-.0004
90	5.39	0.5754	0.9999	0.1837	0.0037	0.0012	0.0058	-0.0001	-.0001	-.0001	-.0004
91	5.59	0.6000	0.9969	0.1831	0.0040	0.0013	0.0060	-0.0001	-.0001	-.0001	-.0004
92	5.79	0.6242	0.9938	0.1826	0.0042	0.0013	0.0063	-0.0001	-.0002	-.0001	-.0004
93	5.99	0.6478	0.9905	0.1821	0.0044	0.0014	0.0065	-0.0002	-.0002	-.0001	-.0004
94	6.19	0.6706	0.9872	0.1818	0.0046	0.0014	0.0068	-0.0002	-.0002	-.0001	-.0004
95	6.39	0.6931	0.9839	0.1813	0.0048	0.0014	0.0071	-0.0002	-.0002	-.0001	-.0004
96	6.59	0.7119	0.9804	0.1815	0.0051	0.0015	0.0074	-0.0002	-.0002	-.0001	-.0004
97	6.79	0.7280	0.9766	0.1814	0.0052	0.0016	0.0077	-0.0002	-.0002	-.0001	-.0004
98	6.99	0.7420	0.9728	0.1814	0.0054	0.0016	0.0080	-0.0002	-.0002	-.0001	-.0004
99	7.19	0.7557	0.9689	0.1813	0.0055	0.0016	0.0082	-0.0002	-.0002	-.0001	-.0004
100	7.39	0.7669	0.9651	0.1809	0.0057	0.0017	0.0085	-0.0002	-.0001	-.0000	-.0004

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
101	7.59	0.7785	0.9612	0.1805	0.0058	0.0017	0.0087	-0.0001	-.0001	-.0000	-.0004
102	7.79	0.7895	0.9573	0.1797	0.0059	0.0017	0.0089	-0.0001	-.0001	-.0000	-.0004
103	7.99	0.8023	0.9535	0.1788	0.0061	0.0017	0.0092	-0.0001	-.0001	-.0000	-.0004
104	8.19	0.8126	0.9497	0.1784	0.0062	0.0016	0.0094	-0.0001	-.0001	0.0000	-.0004
105	8.39	0.8238	0.9460	0.1775	0.0063	0.0016	0.0096	-0.0001	-.0001	0.0000	-.0003
106	8.59	0.8337	0.9424	0.1765	0.0064	0.0015	0.0097	-0.0001	-.0001	0.0000	-.0003
107	8.79	0.8433	0.9390	0.1761	0.0065	0.0014	0.0099	-0.0001	-.0001	0.0000	-.0003
108	8.99	0.8513	0.9357	0.1762	0.0066	0.0014	0.0100	-0.0001	-.0001	0.0001	-.0003
109	9.19	0.8577	0.9324	0.1759	0.0067	0.0013	0.0101	-0.0001	-.0001	0.0001	-.0002
110	9.39	0.8632	0.9295	0.1757	0.0068	-0.0012	0.0102	-0.0001	-.0001	0.0001	-.0002
111	9.59	0.8684	0.9266	0.1757	0.0068	0.0011	0.0103	-0.0001	-.0001	0.0001	-.0002
112	9.79	0.8723	0.9238	0.1766	0.0069	0.0010	0.0102	-0.0001	-.0001	0.0001	-.0002
113	9.99	0.8757	0.9213	0.1759	0.0070	0.0008	0.0103	-0.0001	-.0001	0.0001	-.0001
114	10.19	0.8796	0.9191	0.1750	0.0071	0.0007	0.0104	-0.0001	-.0001	0.0001	-.0001
115	10.39	0.8816	0.9169	0.1746	0.0072	0.0006	0.0104	-0.0001	-.0001	0.0001	-.0001
116	10.59	0.8811	0.9153	0.1742	0.0073	0.0005	0.0104	-0.0001	-.0001	0.0001	-.0000
117	10.79	0.8840	0.9143	0.1731	0.0073	0.0003	0.0104	-0.0001	-.0001	0.0001	0.0000
118	10.99	0.8855	0.9136	0.1720	0.0073	0.0001	0.0104	-0.0001	-.0001	0.0001	0.0000
119	11.19	0.8855	0.9130	0.1709	0.0074	-.0001	0.0103	-0.0001	-.0001	0.0001	0.0001
120	11.39	0.8834	0.9128	0.1705	0.0075	-.0003	0.0103	-0.0001	-.0001	0.0001	0.0001
121	11.59	0.8810	0.9123	0.1701	0.0076	-.0005	0.0103	-0.0001	-.0001	0.0001	0.0001
122	11.79	0.8771	0.9127	0.1698	0.0077	-.0007	0.0103	-0.0001	-.0001	0.0001	0.0001
123	11.99	0.8759	0.9125	0.1699	0.0078	-.0009	0.0103	-0.0001	-.0001	0.0001	0.0002
124	12.19	0.8740	0.9125	0.1702	0.0079	-.0010	0.0102	-0.0001	-.0001	0.0001	0.0002
125	12.39	0.8726	0.9129	0.1705	0.0080	-.0011	0.0101	-0.0001	-.0001	0.0001	0.0002
126	12.59	0.8701	0.9136	0.1709	0.0082	-.0012	0.0100	-0.0002	-.0001	0.0001	0.0002
127	12.79	0.8655	0.9136	0.1714	0.0083	-.0013	0.0098	-0.0002	-.0001	0.0000	0.0002
128	12.99	0.8602	0.9141	0.1718	0.0084	-.0014	0.0097	-0.0002	-.0001	0.0000	0.0002
129	13.19	0.8540	0.9149	0.1719	0.0086	-.0016	0.0095	-0.0002	-.0001	0.0000	0.0003
130	13.39	0.8477	0.9162	0.1724	0.0087	-.0017	0.0094	-0.0002	-.0001	0.0000	0.0003
131	13.59	0.8403	0.9179	0.1730	0.0088	-.0018	0.0093	-0.0002	-.0001	-.0000	0.0003
132	13.79	0.8328	0.9203	0.1736	0.0089	-.0020	0.0091	-0.0003	-.0001	-.0000	0.0003
133	13.99	0.8242	0.9227	0.1741	0.0090	-.0021	0.0090	-0.0003	-.0000	-.0000	0.0003
134	14.19	0.8158	0.9250	0.1746	0.0091	-.0022	0.0089	-0.0003	-.0000	-.0001	0.0003
135	14.39	0.8072	0.9266	0.1752	0.0092	-.0023	0.0088	-0.0003	-.0000	-.0001	0.0003
136	14.59	0.7974	0.9284	0.1762	0.0093	-.0023	0.0087	-0.0004	0.0000	-.0001	0.0004

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
137	14.79	0.7860	0.9315	0.1773	0.0094	-.0024	0.0085	-0.0004	0.0000	-.0001	0.0004
138	14.99	0.7742	0.9338	0.1783	0.0095	-.0025	0.0084	-0.0004	0.0000	-.0001	0.0004
139	15.19	0.7633	0.9359	0.1797	0.0096	-.0026	0.0083	-0.0004	0.0000	-.0002	0.0004
140	15.39	0.7486	0.9384	0.1810	0.0095	-.0026	0.0082	-0.0005	0.0000	-.0002	0.0004
141	15.59	0.7335	0.9416	0.1821	0.0095	-.0025	0.0079	-0.0005	0.0001	-.0002	0.0004
142	15.79	0.7188	0.9452	0.1828	0.0096	-.0026	0.0078	-0.0006	0.0001	-.0002	0.0004
143	15.99	0.7039	0.9487	0.1835	0.0096	-.0026	0.0077	-0.0006	0.0001	-.0002	0.0004
144	16.19	0.6901	0.9521	0.1845	0.0095	-.0026	0.0074	-0.0006	0.0001	-.0002	0.0004
145	16.39	0.6752	0.9569	0.1855	0.0095	-.0026	0.0072	-0.0007	0.0001	-.0002	0.0004
146	16.59	0.6576	0.9616	0.1867	0.0094	-.0025	0.0069	-0.0007	0.0001	-.0002	0.0004
147	16.79	0.6394	0.9648	0.1872	0.0094	-.0025	0.0066	-0.0007	0.0002	-.0003	0.0004
148	16.99	0.6212	0.9669	0.1883	0.0093	-.0025	0.0063	-0.0008	0.0002	-.0003	0.0004
149	17.19	0.6015	0.9699	0.1897	0.0093	-.0025	0.0062	-0.0008	0.0002	-.0003	0.0004
150	17.39	0.5771	0.9741	0.1918	0.0090	-.0024	0.0058	-0.0009	0.0002	-.0003	0.0004
151	17.59	0.5558	0.9770	0.1925	0.0090	-.0025	0.0057	-0.0009	0.0002	-.0003	0.0004
152	17.79	0.5448	0.9774	0.1937	0.0091	-.0025	0.0057	-0.0009	0.0002	-.0003	0.0004
153	17.99	0.5291	0.9795	0.1957	0.0089	-.0024	0.0056	-0.0009	0.0002	-.0003	0.0004
154	18.19	0.5103	0.9830	0.1973	0.0085	-.0024	0.0054	-0.0009	0.0002	-.0003	0.0004
155	18.39	0.4906	0.9857	0.1977	0.0082	-.0023	0.0053	-0.0009	0.0002	-.0003	0.0004
156	18.59	0.4733	0.9883	0.1961	0.0080	-.0023	0.0051	-0.0009	0.0002	-.0003	0.0004
157	18.79	0.4549	0.9917	0.1938	0.0079	-.0023	0.0050	-0.0009	0.0002	-.0003	0.0004
158	18.99	0.4431	0.9952	0.1908	0.0078	-.0023	0.0050	-0.0010	0.0003	-.0003	0.0004
159	19.19	0.4302	0.9985	0.1869	0.0078	-.0024	0.0049	-0.0010	0.0003	-.0003	0.0004
160	19.39	0.4256	0.9991	0.1824	0.0082	-.0025	0.0051	-0.0011	0.0003	-.0003	0.0005
161	19.59	0.4287	1.0017	0.1806	0.0083	-.0025	0.0052	-0.0011	0.0003	-.0004	0.0005
162	19.79	0.4158	1.0035	0.1809	0.0081	-.0025	0.0051	-0.0011	0.0003	-.0004	0.0005
163	19.99	0.4023	1.0050	0.1818	0.0079	-.0025	0.0050	-0.0011	0.0003	-.0004	0.0005
164	20.19	0.3890	1.0044	0.1812	0.0077	-.0025	0.0049	-0.0011	0.0003	-.0004	0.0005
165	20.39	0.3760	1.0055	0.1827	0.0075	-.0025	0.0048	-0.0011	0.0004	-.0004	0.0005
166	20.59	0.3594	1.0055	0.1825	0.0073	-.0025	0.0047	-0.0011	0.0004	-.0004	0.0005
167	20.79	0.3436	1.0057	0.1821	0.0072	-.0024	0.0045	-0.0011	0.0004	-.0004	0.0005
168	20.99	0.3312	1.0073	0.1818	0.0071	-.0023	0.0044	-0.0011	0.0004	-.0004	0.0005
169	21.19	0.3181	1.0083	0.1818	0.0069	-.0023	0.0042	-0.0011	0.0004	-.0004	0.0004
170	21.39	0.3048	1.0111	0.1823	0.0067	-.0022	0.0041	-0.0011	0.0004	-.0004	0.0005
171	21.59	0.2939	1.0135	0.1817	0.0066	-.0022	0.0040	-0.0011	0.0004	-.0004	0.0004
172	21.79	0.2824	1.0171	0.1823	0.0063	-.0021	0.0039	-0.0011	0.0004	-.0004	0.0004

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
173	21.99	0.2687	1.0207	0.1830	0.0061	-.0020	0.0038	-0.0010	0.0003	-.0004	0.0004
174	22.19	0.2567	1.0244	0.1838	0.0058	-.0020	0.0037	-0.0010	0.0003	-.0003	0.0004
175	22.39	0.2443	1.0278	0.1846	0.0055	-.0019	0.0035	-0.0009	0.0003	-.0003	0.0004
176	22.59	0.2326	1.0293	0.1846	0.0053	-.0018	0.0034	-0.0009	0.0003	-.0003	0.0004
177	22.79	0.2206	1.0325	0.1852	0.0050	-.0018	0.0033	-0.0009	0.0003	-.0003	0.0004
178	22.99	0.2089	1.0341	0.1855	0.0048	-.0017	0.0031	-0.0009	0.0003	-.0003	0.0004
179	23.19	0.1976	1.0342	0.1853	0.0047	-.0017	0.0030	-0.0009	0.0003	-.0003	0.0003
180	23.39	0.1882	1.0344	0.1849	0.0045	-.0016	0.0029	-0.0009	0.0003	-.0003	0.0003
181	23.59	0.1785	1.0344	0.1845	0.0044	-.0015	0.0027	-0.0009	0.0003	-.0003	0.0003
182	23.79	0.1680	1.0338	0.1840	0.0043	-.0015	0.0026	-0.0009	0.0003	-.0003	0.0003
183	23.99	0.1595	1.0331	0.1837	0.0042	-.0014	0.0025	-0.0009	0.0003	-.0003	0.0003
184	24.19	0.1509	1.0339	0.1838	0.0040	-.0014	0.0024	-0.0008	0.0003	-.0003	0.0003
185	24.39	0.1435	1.0346	0.1840	0.0039	-.0013	0.0023	-0.0008	0.0003	-.0002	0.0003
186	24.59	0.1356	1.0362	0.1846	0.0038	-.0013	0.0023	-0.0008	0.0003	-.0002	0.0003
187	24.79	0.1290	1.0380	0.1853	0.0037	-.0013	0.0023	-0.0008	0.0003	-.0002	0.0003
188	24.99	0.1193	1.0399	0.1861	0.0035	-.0012	0.0022	-0.0008	0.0003	-.0002	0.0003
189	25.19	0.1144	1.0423	0.1870	0.0034	-.0012	0.0022	-0.0007	0.0003	-.0002	0.0003
190	25.39	0.1079	1.0440	0.1877	0.0033	-.0012	0.0022	-0.0007	0.0003	-.0002	0.0003
191	25.59	0.1012	1.0445	0.1877	0.0031	-.0011	0.0020	-0.0007	0.0002	-.0002	0.0003
192	25.79	0.0941	1.0458	0.1880	0.0029	-.0011	0.0020	-0.0006	0.0002	-.0002	0.0003
193	25.99	0.0885	1.0462	0.1878	0.0027	-.0010	0.0019	-0.0006	0.0002	-.0002	0.0002
194	26.19	0.0819	1.0459	0.1876	0.0024	-.0009	0.0017	-0.0005	0.0002	-.0002	0.0002
195	26.39	0.0757	1.0458	0.1873	0.0022	-.0008	0.0016	-0.0004	0.0002	-.0001	0.0002
196	26.59	0.0691	1.0460	0.1871	0.0020	-.0007	0.0015	-0.0004	0.0001	-.0001	0.0002
197	26.79	0.0649	1.0468	0.1872	0.0018	-.0006	0.0014	-0.0004	0.0001	-.0001	0.0002
198	26.99	0.0606	1.0473	0.1873	0.0017	-.0006	0.0014	-0.0003	0.0001	-.0001	0.0002
199	27.19	0.0577	1.0483	0.1874	0.0016	-.0006	0.0013	-0.0003	0.0001	-.0001	0.0002
200	27.39	0.0543	1.0494	0.1877	0.0015	-.0006	0.0013	-0.0003	0.0001	-.0001	0.0002
201	27.59	0.0516	1.0507	0.1881	0.0014	-.0006	0.0013	-0.0002	0.0001	-.0001	0.0002
202	27.79	0.0483	1.0509	0.1881	0.0013	-.0005	0.0012	-0.0002	0.0001	-.0001	0.0002
203	27.99	0.0463	1.0522	0.1883	0.0013	-.0005	0.0012	-0.0002	0.0001	-.0001	0.0002
204	28.19	0.0433	1.0524	0.1883	0.0012	-.0005	0.0012	-0.0002	0.0001	-.0001	0.0002
205	28.39	0.0401	1.0525	0.1884	0.0012	-.0005	0.0011	-0.0002	0.0001	-.0001	0.0001
206	28.59	0.0364	1.0522	0.1883	0.0011	-.0004	0.0011	-0.0002	0.0001	-.0001	0.0001
207	28.79	0.0340	1.0522	0.1884	0.0011	-.0004	0.0010	-0.0002	0.0001	-.0001	0.0001
208	28.99	0.0310	1.0516	0.1882	0.0010	-.0004	0.0010	-0.0002	0.0001	-.0001	0.0001

IY	Y	GAMMA	U	V	UU	UV	VV	UUU	UUV	UVV	VVV
209	29.19	0.0287	1.0513	0.1882	0.0010	-.0004	0.0009	-0.0002	0.0001	-.0001	0.0001
210	29.39	0.0260	1.0507	0.1881	0.0009	-.0004	0.0009	-0.0002	0.0001	-.0001	0.0001
211	29.59	0.0236	1.0501	0.1880	0.0009	-.0003	0.0008	-0.0001	0.0001	-.0001	0.0001
212	29.79	0.0226	1.0502	0.1880	0.0008	-.0003	0.0008	-0.0001	0.0001	-.0001	0.0001
213	29.99	0.0207	1.0498	0.1879	0.0008	-.0003	0.0008	-0.0001	0.0001	-.0001	0.0001
214	30.19	0.0191	1.0495	0.1878	0.0007	-.0003	0.0008	-0.0001	0.0001	-.0001	0.0001
215	30.39	0.0184	1.0499	0.1880	0.0007	-.0003	0.0007	-0.0001	0.0001	-.0001	0.0001
216	30.59	0.0172	1.0500	0.1880	0.0007	-.0003	0.0007	-0.0001	0.0001	-.0001	0.0001
217	30.79	0.0163	1.0501	0.1881	0.0006	-.0003	0.0007	-0.0001	0.0001	-.0000	0.0001
218	30.99	0.0155	1.0503	0.1882	0.0006	-.0002	0.0007	-0.0001	0.0001	-.0000	0.0001
219	31.19	0.0143	1.0509	0.1885	0.0006	-.0002	0.0006	-0.0001	0.0001	-.0000	0.0001
220	31.39	0.0135	1.0508	0.1885	0.0005	-.0002	0.0006	-0.0001	0.0000	-.0000	0.0000
221	31.59	0.0130	1.0513	0.1887	0.0005	-.0002	0.0006	-0.0001	0.0000	-.0000	0.0000
222	31.79	0.0121	1.0516	0.1888	0.0005	-.0002	0.0006	-0.0001	0.0000	-.0000	0.0000
223	31.99	0.0119	1.0522	0.1890	0.0005	-.0002	0.0005	-0.0000	0.0000	-.0000	0.0000
224	32.19	0.0114	1.0526	0.1891	0.0005	-.0001	0.0005	-0.0000	0.0000	-.0000	0.0000
225	32.39	0.0107	1.0529	0.1892	0.0004	-.0001	0.0005	-0.0000	0.0000	-.0000	0.0000
226	32.59	0.0105	1.0532	0.1894	0.0004	-.0001	0.0005	-0.0000	0.0000	-.0000	0.0000

APPENDIX 2

DESCRIPTION OF DISK FILES

Disk files have been created on the Ames IBM 360/67 computer to store both the raw data (file name HWDATA.RAW) and the processed data (file name HWDATA.PROCSD) in the same format as stored on the punched cards.

Users may access these data sets by use of the command SHARE, i.e.,

```
SHARE HWDATA.RAW, FSALEO, HWDATA.RAW
SHARE HWDATA.PROCSD, FSALEO, HWDATA.PROCSD
```

The command SHARE needs to be issued only once for a given data set.

A simple example shows how to access the processed data for <u>.

Example:

An intermediate step in the production of the 3-D plot of <u> was to create a disk file containing that velocity component alone. The following shows how the deck should be arranged for a 400 second normal priority batch job that is to be charged to job order T1234.

```
   LOGON USERID,JOB1,*N400,T1234 JOHN DOE,STOP 7,6684
ERASE SOURCE.FINDU;FTN FINDU
      DIMENSION IDATA(17),IU(175,296),IBUFF(175)
C  PROCESSED DATA IS STORED IN THE FOLLOWING ORDER
C  IX,IY,IGAMMA,IU,IV,IUU,IUV,IVV,....,IVVVV
C  WHERE IX AND IY ARE MESH LOCATIONS,IGAMMA IS THE
C  INTERMITTENCY,IU AND IV ARE THE MEAN VELOCITY
C  COMPONENTS,ETC.,ALL SCALED BY A SUITABLE FACTOR
C  (SEE TABLE 6).
   50    CONTINUE
         READ (10,101,END=100) (IDATA(I),I=1,17,1)
         IX=IDATA(1)
         IY=IDATA(2)
         IU(IX,IY)=IDATA(4)
         GO TO 50
  100    CONTINUE
  101    FORMAT (I3,1X,I3,2X,I5,1X,2I5,1X,I4,I5,I4,1X,
        & I5,3I4,1X,2I4,I3,I4,I3)
C  OUTPUT PARTIAL LISTING OF DATA EVERY 10CM IN X.
         WRITE (6,1)
   1     FORMAT ('1')
         DO 150 IY=1,296,1
         WRITE (6,201) IY,(IU(IX,IY),IX=10,170,10)
```

```
  150   CONTINUE
  201   FORMAT (1X, I3, 2X, 17(I5, 2X))
C CREATE DISK FILE.
        DO 300 IY=1, 296, 1
        DO 250 IX=1, 175, 1
        IBUFF(IX)=IU(IX, IY)
  250   CONTINUE
        WRITE (20) IBUFF
  300   CONTINUE
        END FILE 20
        STOP
        END
ERASE SOURCE. FINDU
DDEF DDNAME=FT10F001, DSORG=VS, DSNAME=HWDATA. PROCSD
DDEF DDNAME=FT20F001, DSORG=VS, DSNAME=U
CALL FINDU
PRINT DSNAME=U, PRTSP=EDIT, ERASE=Y
  LOGOFF
```

The above disk file was then used to create the three-dimensional plot shown in Figure 9. The following program illustrates how to obtain the above mentioned plot on a Tektronix 4014-1 terminal:

```
AMES DISSPLA
JBLB TEXLIB1
JBLB SYSULIB
FTN PLOTU, Y
DDEF FT20F001, VS, U
CALL PLOTU
```

where PLOTU is the simple program:

```
        DIMENSION IBUFF(175), U(175, 296), IWORK(1000)
C INPUT DATA FROM DISK FILE.
        DO 600 IY=1, 296, 1
        READ (20) IBUFF
        DO 600 IX=1, 175, 1
C TEST FOR NO-DATA CONDITION.
        IF (IBUFF(IX). EQ. 99999) IBUFF(IX)=0
C SCALE DATA---SEE TABLE 6.
        U(IX, IY)=IBUFF(IX)/10000. 0
  600   CONTINUE
C INITIALIZE DISSPLA---DEFINE PLOTTING DEVICE
        CALL TEKTRN (120)
        CALL BGNPL (1)
C REQUEST INTEGER STEP LABELS ON AXES
```

```
      CALL INTAXS
      CALL TITL3D ('X-COMPONENT OF VELOCITY',23,8.0,10.5)
C DEFINE OBSERVER VIEWPOINT.
      CALL VUABS (-700.0,-100.0,1000.0)
C DEFINE WORKBOX---DRAW FRAME ROUND WORKBOX.
C DRAW AND LABEL AXES
      CALL AXES3D ('IX',2,'IY',2,'U', 1,174.0,59.0,100.0)
      CALL GRAF3D (1.0,20.0,175.0,1.0,100.0,296.0,0.0,0.2,1.4)
      CALL BOX3D
C DRAW SURFACE DEFINED BY MATRIX U.
      CALL SURMAT (U,4,175,295,296,IWORK)
      CALL ENDPL (-1)
      STOP
      END
```

All the subroutines referred to in the above program are features of the DISSPLA (Display Integrated Software System and Plotting LAnguage) graphics software package.