

C6225461

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00092438

Serial: C6225461 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/21/1989

Repairman:

Verify Repair

Status:

Closed 2/3/2005 1:25:43 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box

PO Box

City: ANNISTON

ANNISTON

State: AL

Zip Code:

362014199

Country: US

State: AL

Zip Code:

362014199

Country: US

FFL

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Front and Rear Sgt Base	1

Repair Search

Refresh

Close

neglelj

2/7/2005

10:42 AM

CAPS

NUM

INS

SCPL

start

3

2

M24 SWS

2

Serial Number: C6225461

Model: M24 SWS



RE00092438

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225461.___0
FILE DATE AND TIME: 09/01/2005 11:20

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

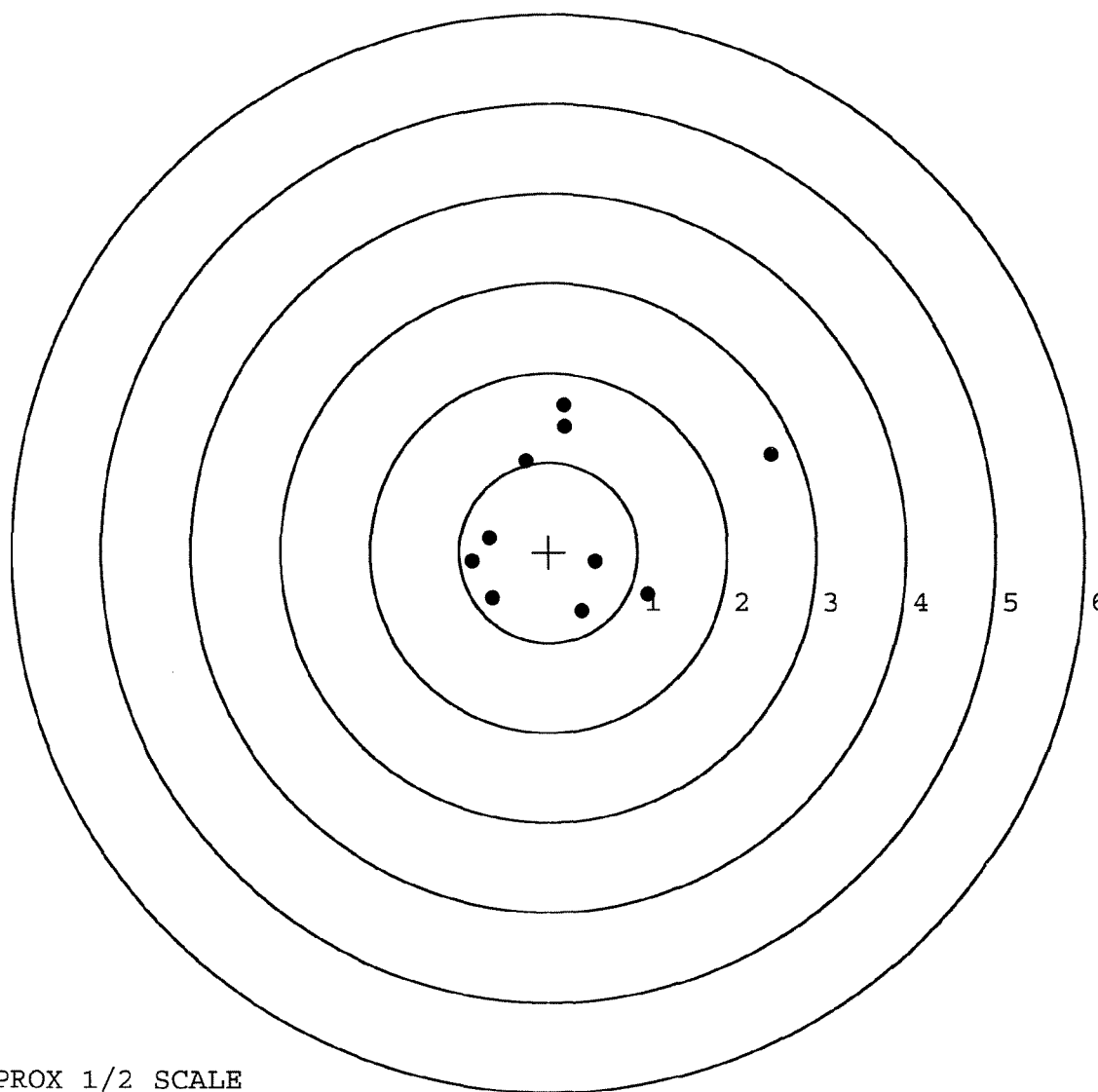
The Average X Centroid of the Five Target Set:	0.044
The Average Y Centroid of the Five Target Set:	0.097
The Average Point of Impact of the Five Target Set:	0.106
The Average Mean Radius of the Five Target Set:	0.937
The Distance from POA to Centroid Target #1:	0.423
The Distance from Centroid Target #2 to Centroid Target #1:	0.151
The Distance from Centroid Target #3 to Centroid Target #1:	0.652
The Distance from Centroid Target #4 to Centroid Target #1:	0.390
The Distance from Centroid Target #5 to Centroid Target #1:	0.442

BARBER - M24 0061372

SERIAL NUMBER: C6225461. __0
 TARGET NUMBER: 1
 FILE DATE: 09/01/2005
 FILE TIME: 11:20

POINT#	X	Y
1:	2.493	1.083
2:	0.168	1.635
3:	0.176	1.398
4:	-0.256	1.017
5:	0.520	-0.104
6:	1.113	-0.470
7:	0.370	-0.648
8:	-0.630	-0.507
9:	-0.859	-0.102
10:	-0.664	0.159

X CENTROID: 0.243
 Y CENTROID: 0.346
 POA TO CENTROID: 0.423
 HORZ SPREAD: 3.352
 VERT SPREAD: 2.283
 GROUP SPREAD: 3.555
 MIN RADIUS: 0.528
 MAX RADIUS: 2.368
 MEAN RADIUS: 1.161
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 3
 # in 3 IN DIAMETER: 9



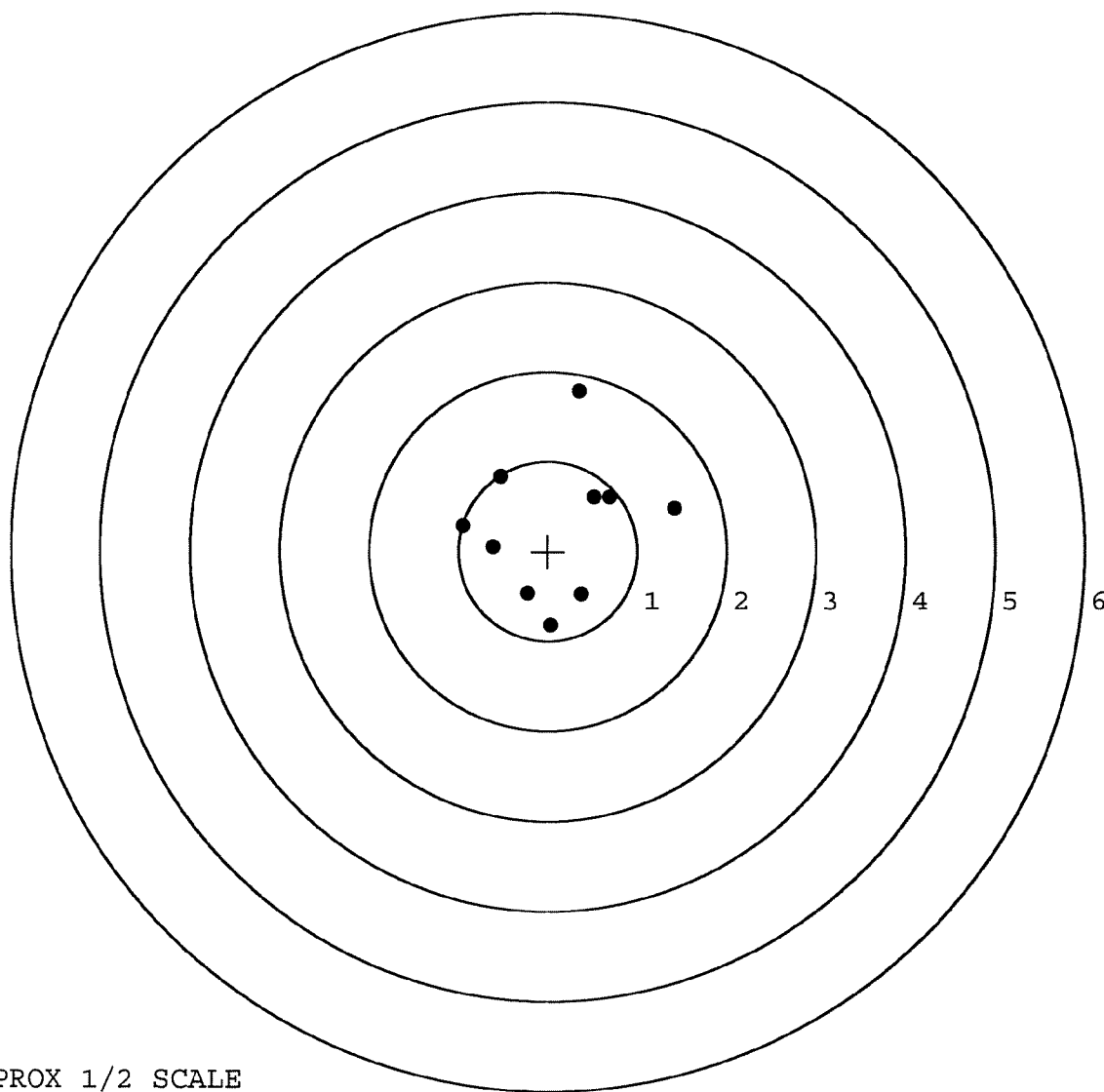
TARGET APPROX 1/2 SCALE

BARBER - M24 0061373

SERIAL NUMBER: C6225461.____0
 TARGET NUMBER: 2
 FILE DATE: 09/01/2005
 FILE TIME: 11:20

POINT#	X	Y
1:	0.376	-0.481
2:	0.030	-0.832
3:	-0.229	-0.478
4:	-0.618	0.052
5:	-0.947	0.281
6:	-0.531	0.829
7:	0.517	0.601
8:	0.690	0.606
9:	1.417	0.474
10:	0.348	1.780

X CENTROID: 0.105
 Y CENTROID: 0.283
 POA TO CENTROID: 0.302
 HORZ SPREAD: 2.364
 VERT SPREAD: 2.612
 GROUP SPREAD: 2.631
 MIN RADIUS: 0.520
 MAX RADIUS: 1.516
 MEAN RADIUS: 0.944
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225461. __0

TARGET NUMBER: 3

FILE DATE: 09/01/2005

FILE TIME: 11:20

X CENTROID: -0.056

Y CENTROID: -0.233

POA TO CENTROID: 0.239

HORZ SPREAD: 2.331

VERT SPREAD: 2.811

GROUP SPREAD: 2.821

MIN RADIUS: 0.494

MAX RADIUS: 1.947

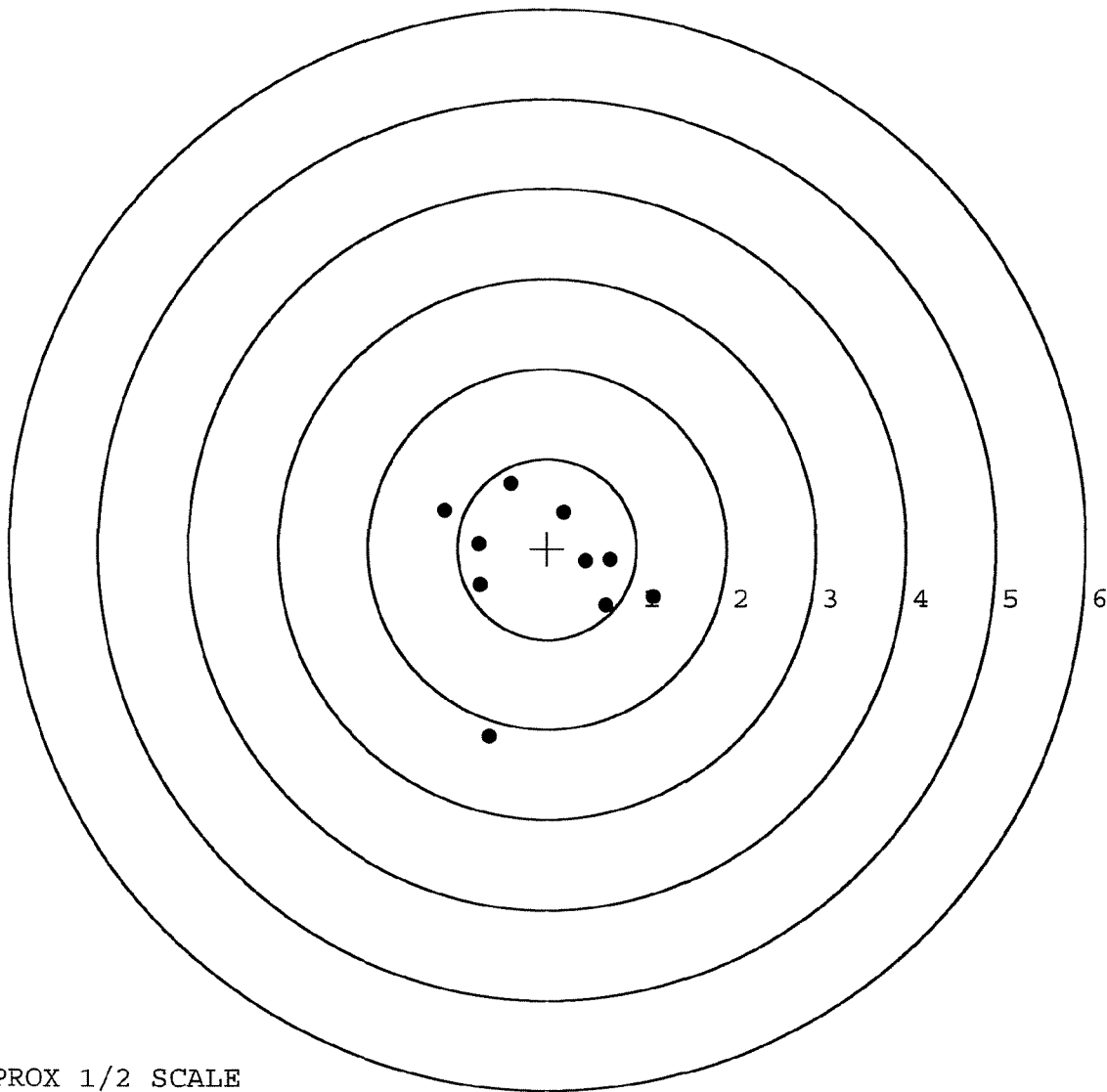
MEAN RADIUS: 0.975

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.182	-0.538
2:	0.660	-0.627
3:	0.705	-0.129
4:	0.429	-0.140
5:	0.181	0.405
6:	-0.409	0.724
7:	-0.764	0.047
8:	-1.149	0.421
9:	-0.748	-0.402
10:	-0.650	-2.087

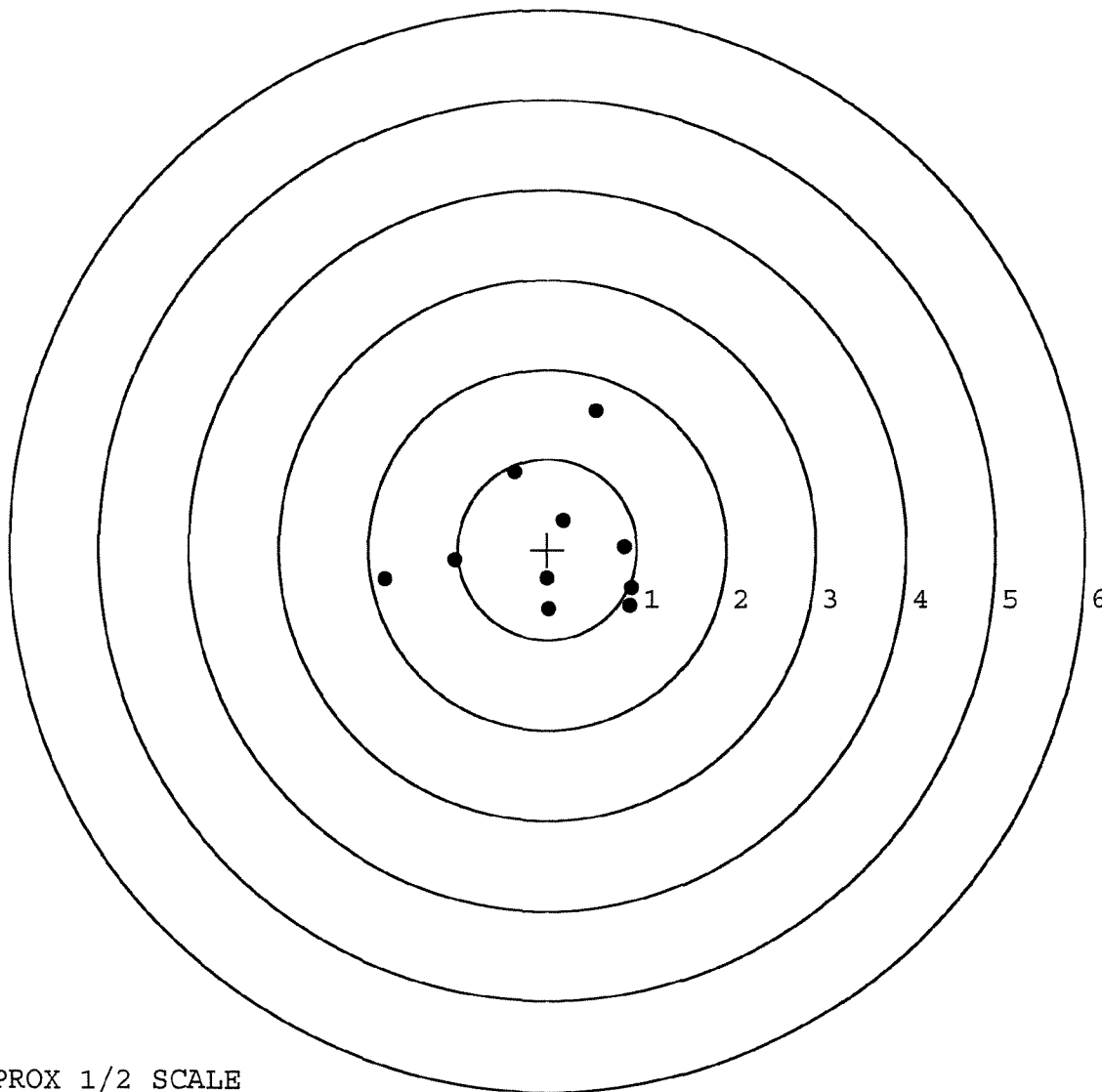


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225461. __0
 TARGET NUMBER: 4
 FILE DATE: 09/01/2005
 FILE TIME: 11:20

POINT#	X	Y
1:	0.926	-0.632
2:	0.942	-0.429
3:	0.865	0.027
4:	0.174	0.321
5:	-0.012	-0.322
6:	0.017	-0.661
7:	-1.029	-0.124
8:	-1.818	-0.336
9:	-0.367	0.850
10:	0.540	1.538

X CENTROID: 0.024
 Y CENTROID: 0.023
 POA TO CENTROID: 0.033
 HORZ SPREAD: 2.760
 VERT SPREAD: 2.199
 GROUP SPREAD: 3.012
 MIN RADIUS: 0.334
 MAX RADIUS: 1.876
 MEAN RADIUS: 0.980
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225461. __0

TARGET NUMBER: 5

FILE DATE: 09/01/2005

FILE TIME: 11:20

X CENTROID: -0.097

Y CENTROID: 0.064

POA TO CENTROID: 0.116

HORZ SPREAD: 1.739

VERT SPREAD: 1.765

GROUP SPREAD: 1.887

MIN RADIUS: 0.067

MAX RADIUS: 1.310

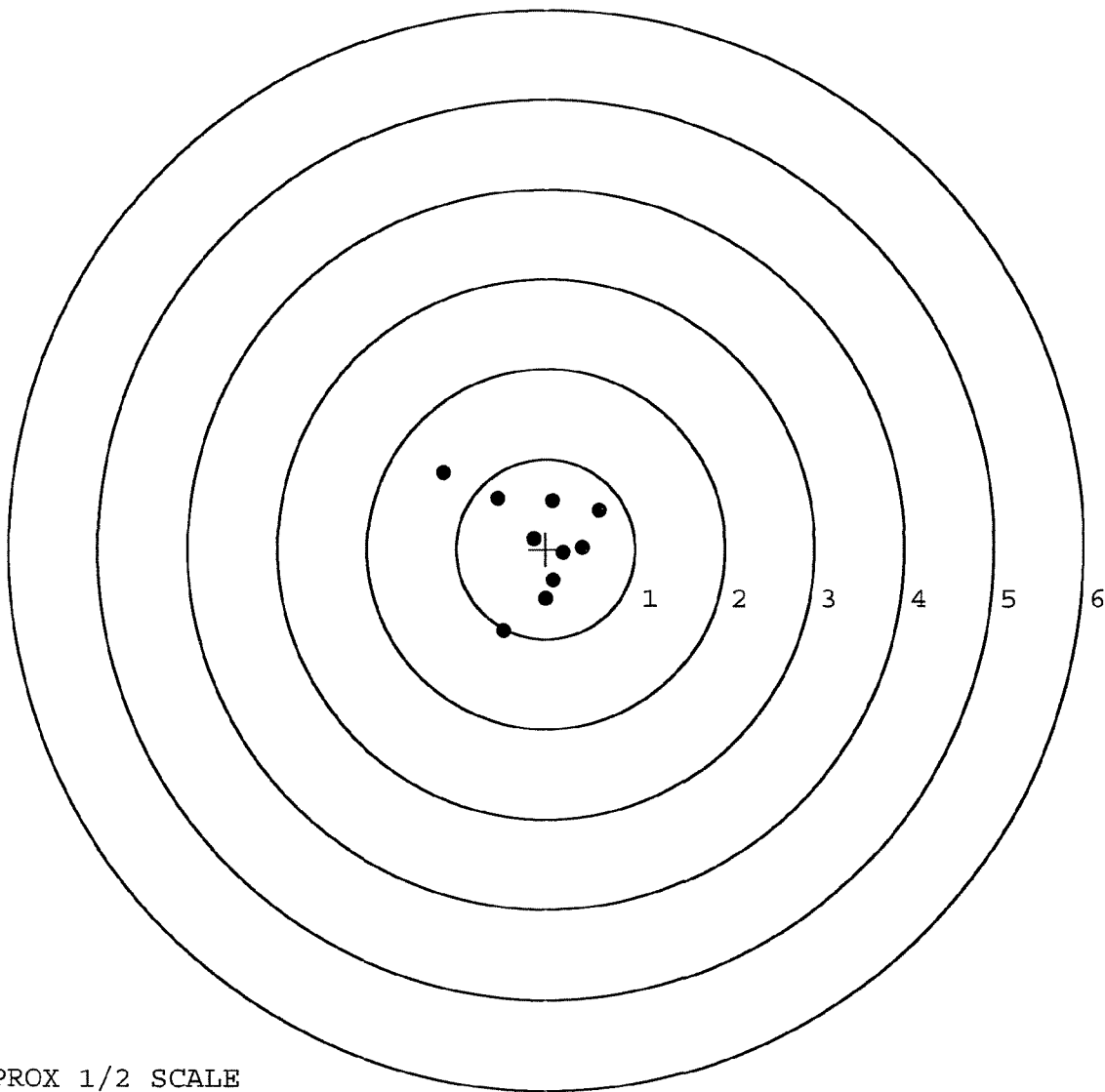
MEAN RADIUS: 0.628

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.592	0.433
2:	0.071	0.534
3:	-0.545	0.561
4:	-1.147	0.848
5:	-0.480	-0.917
6:	-0.007	-0.557
7:	0.081	-0.348
8:	0.407	0.014
9:	0.199	-0.040
10:	-0.140	0.115



TARGET APPROX 1/2 SCALE

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Remington®

MODEL 700™ H24

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

UPPONT
REG. U.S. PAT. & T.M. OFF.

SERIAL NO.
C6225461

ORDER NO.
5716

01

5716 C6225461

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225461

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	89	RW
600	Proof	4 12	89	RW
607	Check Headspace	4 12	89	RW
610	Dis-assemble Gun	4 12	89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4/14/89	ss.
617	Drill and Tap Sight Holes	4 14	89	LB
618	Polish Barrel RB	4 14	89	BT
620	Apply Coatings (Barrel Action)		4-20-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/89	RW
	C) Inspect Ejector Hole for Chamfer		5/1/89	RW
	D) Oil Firing Pin Ass'y		5/1/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/2/89	WB

op. #	BARBER - M24 0061380 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			5/2/89	94
	G) Safety Off Force	3	3	3			5/2/89	94
	H) Trigger Pull Test & Retainability						5/2/89	WB
	I) Firing Pin Indent	.020	.020	.020			5/2/89	94
	J) Assemble Stock						5/5/89	RW
	K) Assemble Swivel Studs						16 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/5/89	RW
	M) Iron Sight Alignment						5/5/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/5/89	RW
	O) Attach Scope to Rifle						5/5/89	94
	P) Detach & Attach Scope 20 Times						5/5/89	94
640	Gallery Target & Test	78R	75L				5/9/89	A
	A) Time						5/9/89	A
	B) Malfunctions						5/9/89	A
	C) Pierced Primers						5/9/89	A
	D) Optical Clarity of Scope						5/9/89	A
645	Inspect for Live Ammo						5/9/89	A
655	Final Inspection							
	A) Headspace						16 May 89	JS
	B) Trigger Pull	2.83	2.78	2.76	2.77	2.77	16 May 89	JS
	C) Function						16 May 89	JS
660	Pack						20 May 89	JS

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225461

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	89	RW
600	Proof	4 12	89	RW
607	Check Headspace	4 12	89	RW
610	Dis-assemble Gun	4 12	89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4/14/89	JB
617	Drill and Tap Sight Holes	4 14	89	JB
618	Polish Barrel RB	4 14	89	BT
620	Apply Coatings (Barrel Action)		4-20-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/89	RW
	C) Inspect Ejector Hole for Chamfer		5/1/89	RW
	D) Oil Firing Pin Ass'y		5/1/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/2/89	WB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 6225461

DATE 3/27/90

TESTER RW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.57		2.58	MIN. SETTING,
PULL #2	2.53	2.53		2.52	NO AVG. OF 5
PULL #3	2.32	2.48		2.54	READINGS ACCEPT-
PULL #4	2.53	2.50		2.43	ABLE LESS THAN 2#
PULL #5	2.50	2.35		2.52	
TOTAL	12.38	12.43		12.59	
AVG.	2.48	2.49		2.52	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.09		
PULL #2	3.22	3.10		
PULL #3	3.22	3.15		
PULL #4	3.15	3.23		
PULL #5	3.22	3.22		
TOTAL	15.88	15.79		
AVG.	3.18	3.16		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.10		
PULL #2	4.18	4.15		
PULL #3	4.23	4.24		
PULL #4	4.16	4.23		
PULL #5	4.27	4.07		
TOTAL	21.08	20.79		
AVG.	4.23	4.16		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225461
10 May 1989

CENTROIDAL DISTANCES

0 TO	1	.875695
1 TO	2	.32452
1 TO	3	.292228
1 TO	4	1.6055
1 TO	5	.92508

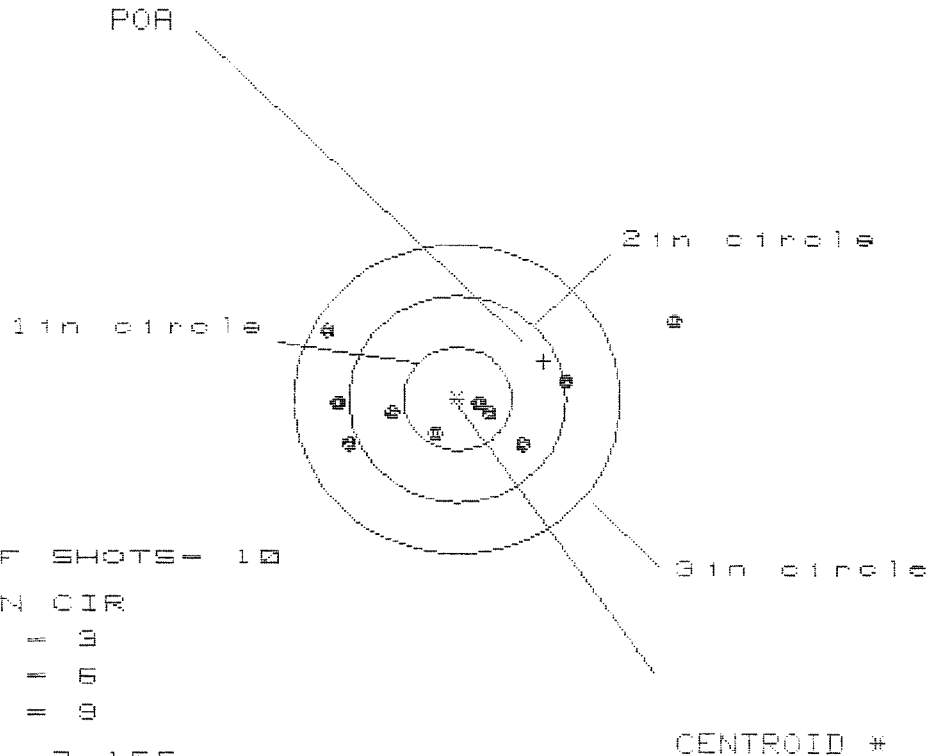
$\sqrt{\frac{1}{5}}$ ⁴ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2486
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1014
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .268484
THE AMR FOR THIS RIFLE IS: .8874

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/05225461

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 3

2in = 6

3in = 9

HS = 3.155

VS = 1.215

GS = 3.205

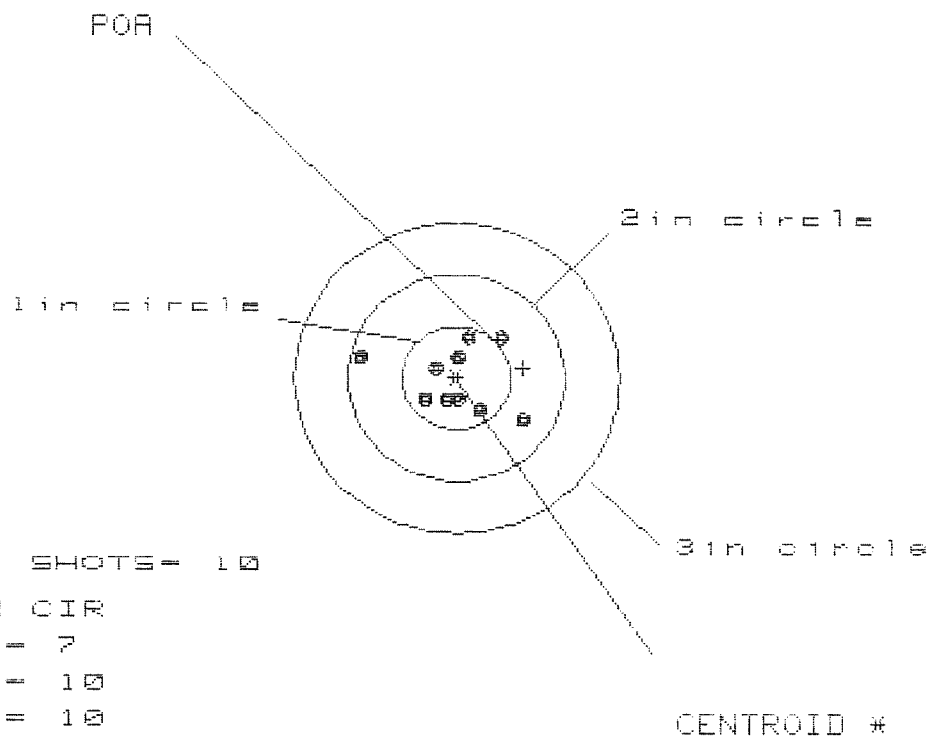
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.962	1.167	1.045
MINIMUM X	:	-1.193	-.974	-1.041
MAXIMUM Y	:	.746	.747	.377
MINIMUM Y	:	-.469	-.386	-.292
CENTROID X	:	-.796	-1.015	-.893
CENTROID Y	:	-.365	-.448	-.542
POA TO CENTROID in.	:	.876	1.109	1.044
MIN RADIUS	:	.216	.222	.133
MEAN RADIUS	:	.894	.744	.656
MAX RADIUS	:	2.100	1.228	1.111
HORIZONTAL SPREAD	:	3.155	2.141	2.086
VERTICAL SPREAD	:	1.215	1.133	.669
EXTREME SPREAD	:	3.205	2.191	2.103
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225461

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 7

2 in = 10

3 in = 10

HS= 1.550

VS= .767

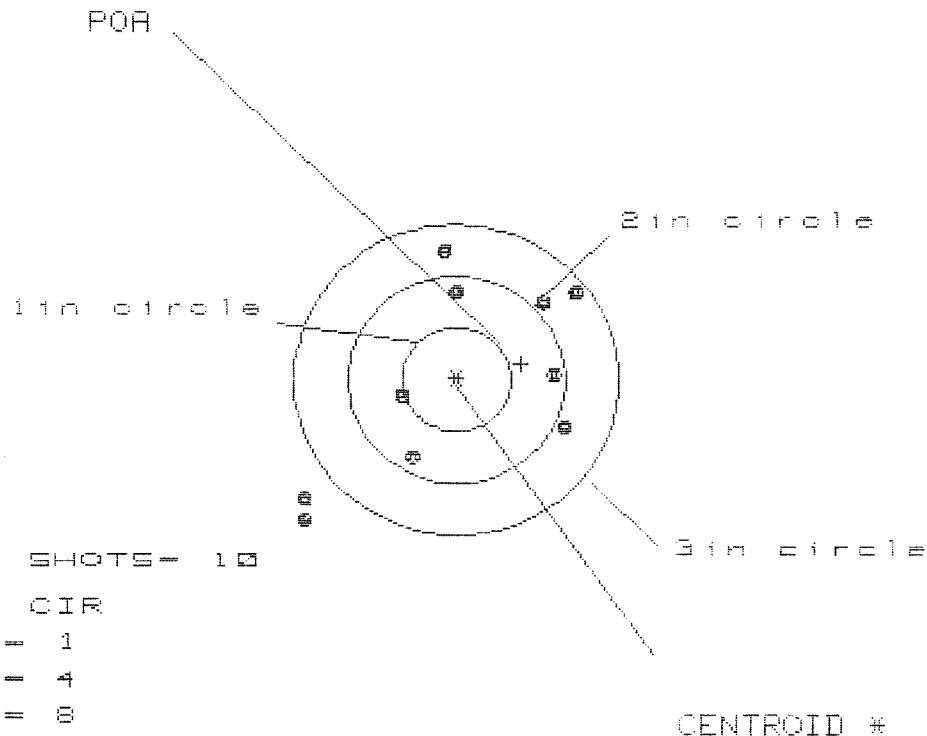
GS= 1.653

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.615	.511	.395
MINIMUM X	:	-.935	-.399	-.335
MAXIMUM Y	:	.388	.410	.365
MINIMUM Y	:	-.379	-.357	-.345
CENTROID X	:	-.613	-.509	-.573
CENTROID Y	:	-.097	-.119	-.074
POA TO CENTROID in.	:	.621	.523	.576
MIN RADIUS	:	.178	.180	.206
MEAN RADIUS	:	.419	.361	.317
MAX RADIUS	:	.955	.623	.538
HORIZONTAL SPREAD	:	1.550	.910	.730
VERTICAL SPREAD	:	.767	.767	.710
EXTREME SPREAD	:	1.653	.946	.946
NUMBER IN ONE INCH CIRCLE	=		7	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225461

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 8

HS = 2.534

VS = 2.616

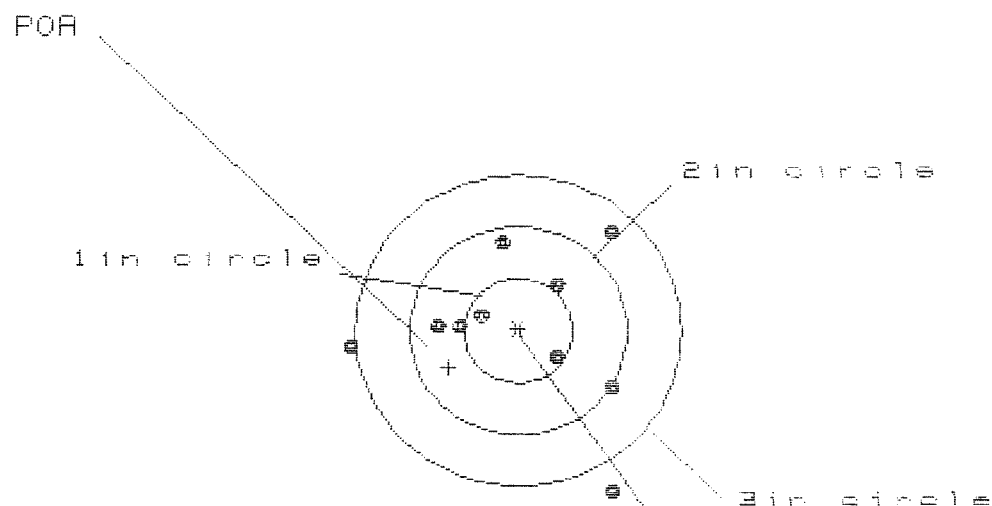
GS = 3.321

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.141	.986	.793
MINIMUM X	:	-1.393	-1.544	-.815
MAXIMUM Y	:	1.271	1.121	.962
MINIMUM Y	:	-1.345	-1.276	-1.029
CENTROID X	:	-.597	-.442	-.249
CENTROID Y	:	-.151	-.001	.158
POA TO CENTROID in.	:	.616	.442	.295
MIN RADIUS	:	.486	.684	.615
MEAN RADIUS	:	1.174	1.059	.897
MAX RADIUS	:	1.937	2.003	1.303
HORIZONTAL SPREAD	:	2.534	2.530	1.608
VERTICAL SPREAD	:	2.616	2.397	1.991
EXTREME SPREAD	:	3.321	3.181	2.202
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225461

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 2.426

VS = 2.500

GS = 2.789

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.901	.950	.772
MINIMUM X	:	-1.525	-1.425	-.792
MAXIMUM Y	:	.949	.776	.733
MINIMUM Y	:	-1.551	-.712	-.755
CENTROID X	:	.642	.542	.720
CENTROID Y	:	.349	.522	.565
POA TO CENTROID in.	:	.731	.752	.915
MIN RADIUS	:	.401	.270	.362
MEAN RADIUS	:	.913	.784	.701
MAX RADIUS	:	1.794	1.467	1.080
HORIZONTAL SPREAD	:	2.426	2.375	1.564
VERTICAL SPREAD	:	2.500	1.488	1.488
EXTREME SPREAD	:	2.789	2.606	1.808
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225461

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.870

VS= 2.481

GS= 2.983

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.063
MINIMUM X	-1.887
MAXIMUM Y	1.319
MINIMUM Y	-1.161
CENTROID X	.121
CENTROID Y	-.243
POA TO CENTROID in.	.271
MIN RADIUS	.406
MEAN RADIUS	1.037
MAX RADIUS	1.834
HORIZONTAL SPREAD	2.870
VERTICAL SPREAD	2.481
EXTREME SPREAD	2.983
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	8