

C6225259

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Serial Number: **C6225259**
Model: **700**



RE00049171

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225259.___0
FILE DATE AND TIME: 08/06/2002 13:37

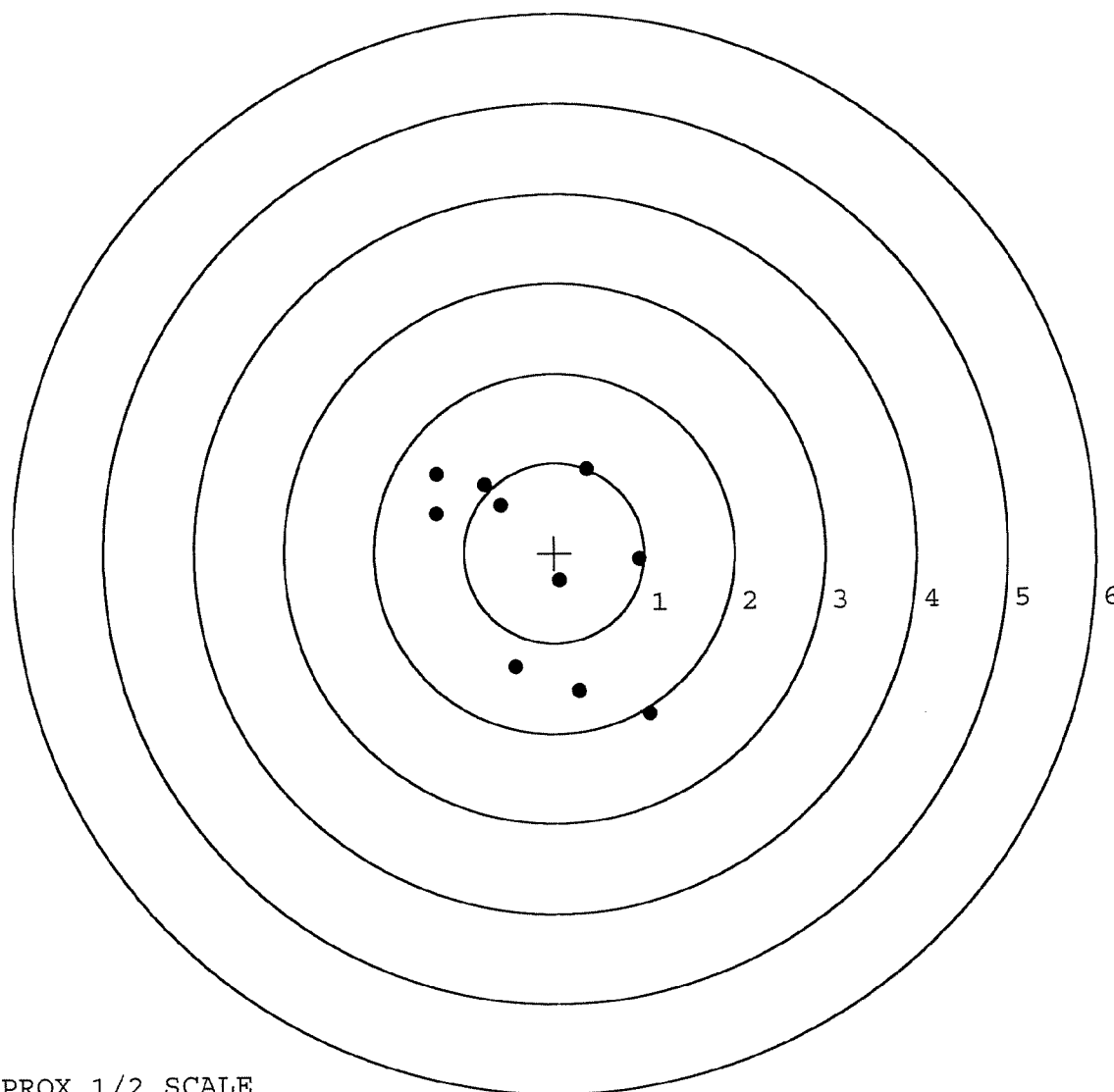
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.026
The Average Y Centroid of the Five Target Set:	-0.134
The Average Point of Impact of the Five Target Set:	0.137
The Average Mean Radius of the Five Target Set:	1.112
The Distance from POA to Centroid Target #1:	0.222
The Distance from Centroid Target #2 to Centroid Target #1:	0.337
The Distance from Centroid Target #3 to Centroid Target #1:	0.367
The Distance from Centroid Target #4 to Centroid Target #1:	0.188
The Distance from Centroid Target #5 to Centroid Target #1:	0.096

SERIAL NUMBER: C6225259.___0
TARGET NUMBER: 1
FILE DATE: 08/06/2002
FILE TIME: 13:37

X CENTROID: -0.171
Y CENTROID: -0.142
POA TO CENTROID: 0.222
HORZ SPREAD: 2.354
VERT SPREAD: 2.726
GROUP SPREAD: 3.561
MIN RADIUS: 0.284
MAX RADIUS: 2.054
MEAN RADIUS: 1.194
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 2
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.051	-1.793
2:	0.267	-1.536
3:	-0.441	-1.260
4:	0.058	-0.310
5:	0.940	-0.075
6:	0.371	0.933
7:	-0.590	0.535
8:	-0.762	0.761
9:	-1.303	0.442
10:	-1.297	0.884



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225259. 0

TARGET NUMBER: 2

FILE DATE: 08/06/2002

FILE TIME: 13:37

X CENTROID: 0.164

Y CENTROID: -0.181

POA TO CENTROID: 0.245

HORZ SPREAD: 1.581

VERT SPREAD: 4.462

GROUP SPREAD: 4.510

MIN RADIUS: 0.158

MAX RADIUS: 2.566

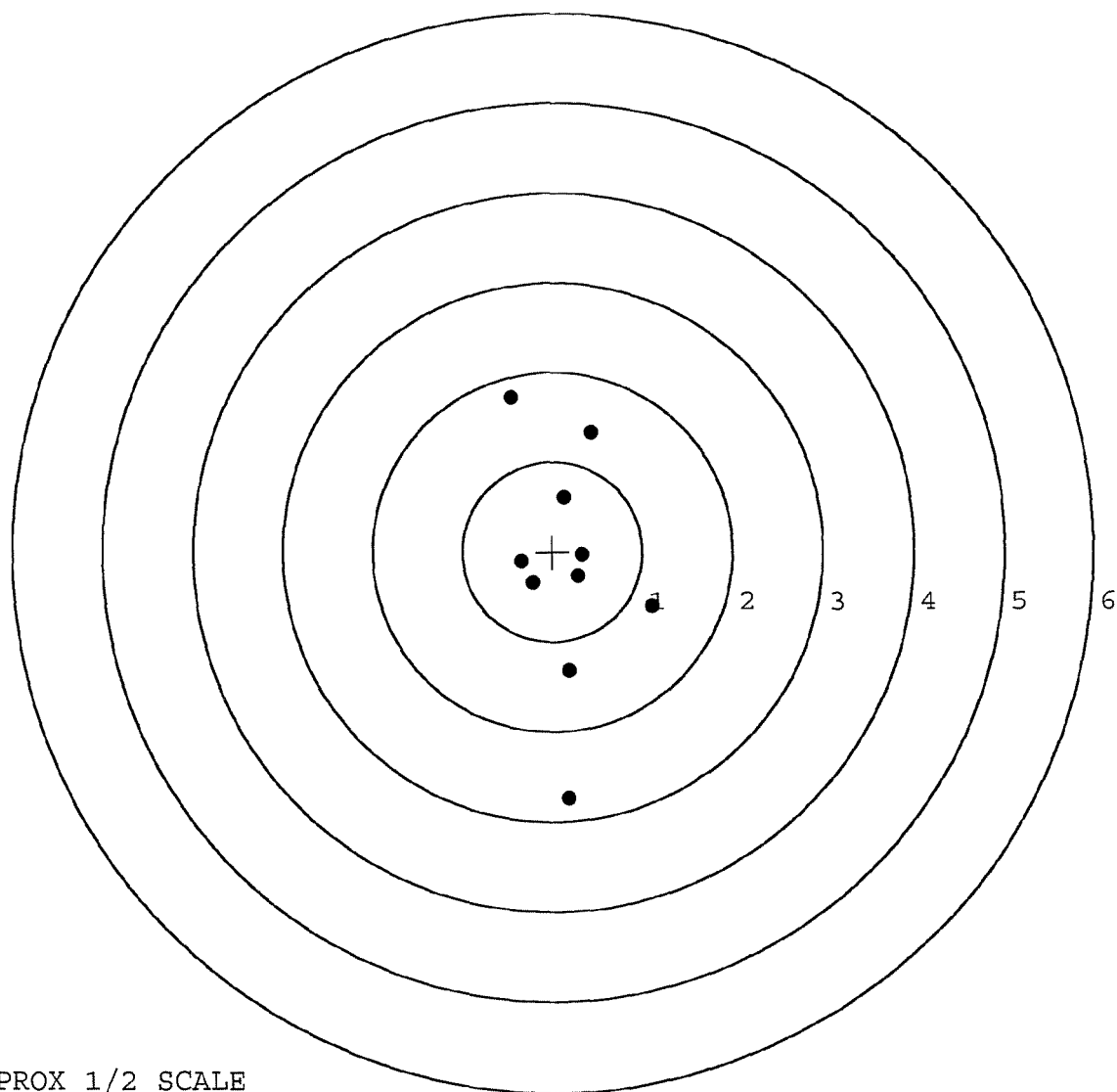
MEAN RADIUS: 1.040

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.189	-2.747
2:	0.192	-1.329
3:	1.112	-0.613
4:	0.332	-0.035
5:	0.291	-0.276
6:	-0.216	-0.352
7:	-0.353	-0.109
8:	0.133	0.605
9:	0.433	1.331
10:	-0.469	1.715



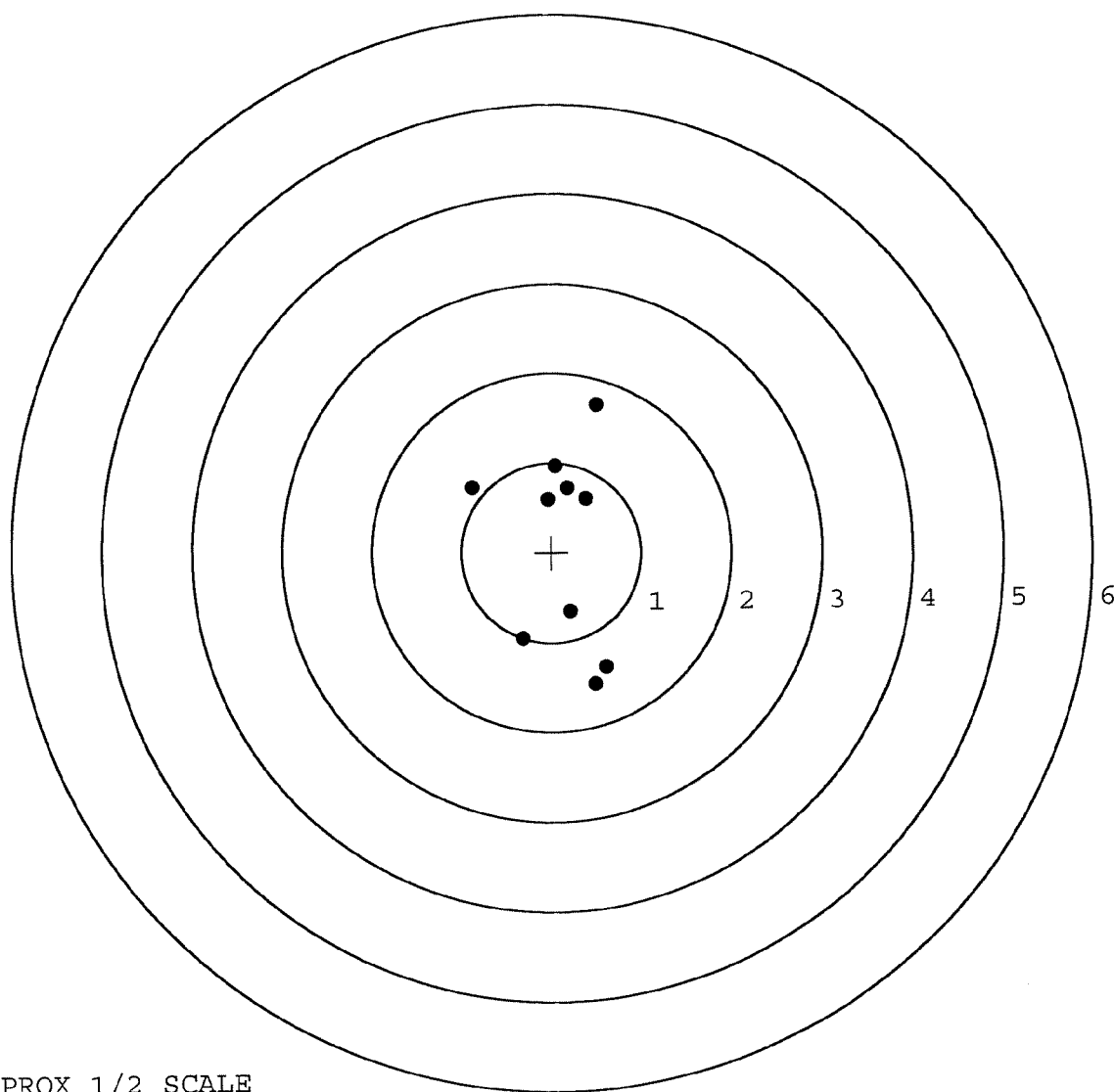
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225259. __0
TARGET NUMBER: 3
FILE DATE: 08/06/2002
FILE TIME: 13:37

X CENTROID: 0.117
Y CENTROID: 0.086
POA TO CENTROID: 0.145
HORZ SPREAD: 1.474
VERT SPREAD: 3.112
GROUP SPREAD: 3.112
MIN RADIUS: 0.525
MAX RADIUS: 1.604
MEAN RADIUS: 1.034

POINT#	X	Y
1:	0.476	-1.472
2:	0.596	-1.280
3:	0.200	-0.658
4:	-0.332	-0.959
5:	-0.878	0.729
6:	0.517	1.640
7:	0.050	0.962
8:	0.393	0.598
9:	-0.037	0.588
10:	0.181	0.716

IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8



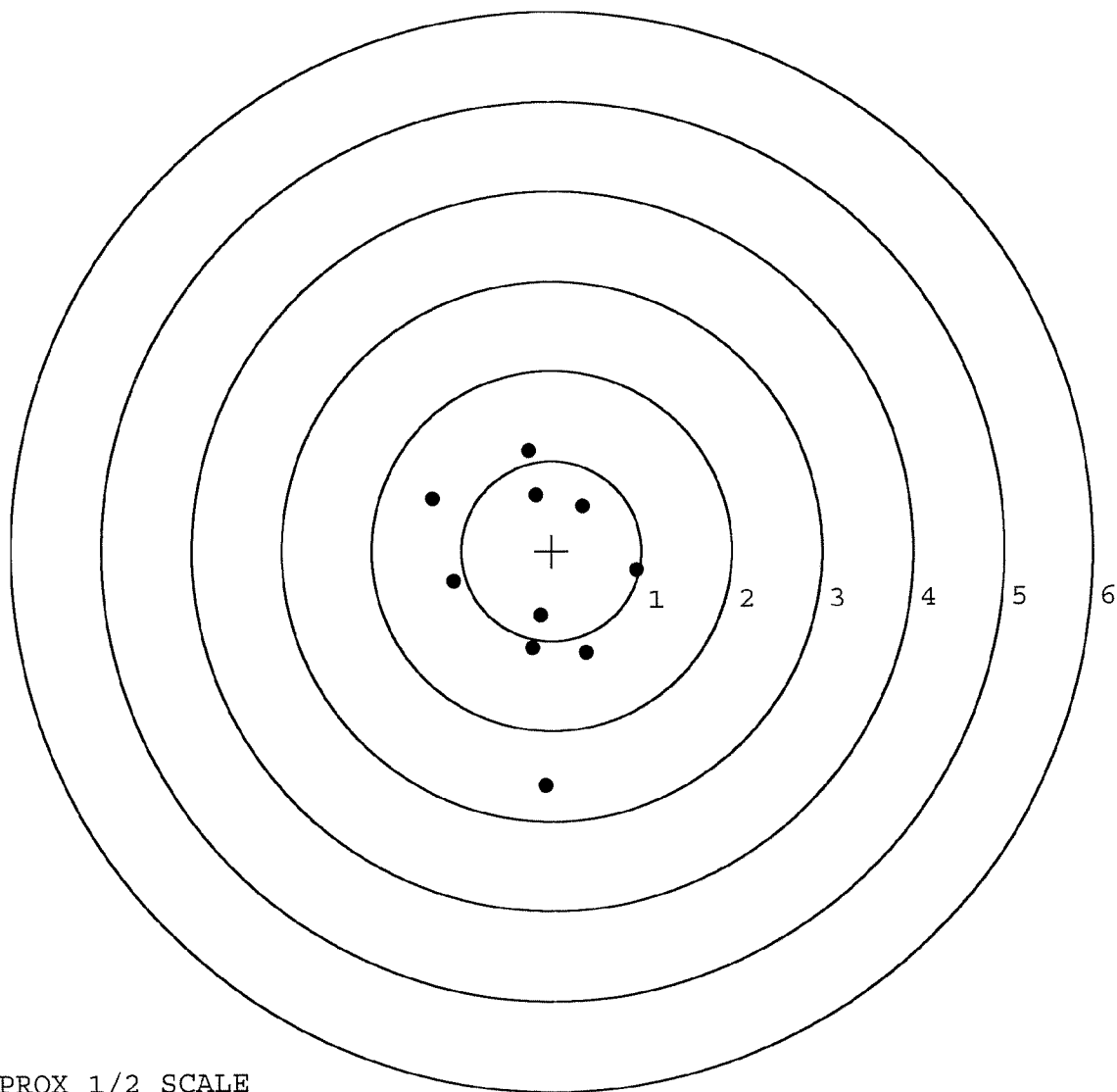
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225259. __0
TARGET NUMBER: 4
FILE DATE: 08/06/2002
FILE TIME: 13:37

X CENTROID: -0.161
Y CENTROID: -0.330
POA TO CENTROID: 0.367
HORZ SPREAD: 2.261
VERT SPREAD: 3.724
GROUP SPREAD: 3.728
MIN RADIUS: 0.394
MAX RADIUS: 2.287
MEAN RADIUS: 1.128

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.089	-2.616
2:	0.378	-1.134
3:	-0.226	-1.080
4:	-0.128	-0.722
5:	-1.093	-0.334
6:	-1.318	0.588
7:	-0.253	1.108
8:	-0.173	0.624
9:	0.348	0.494
10:	0.943	-0.226

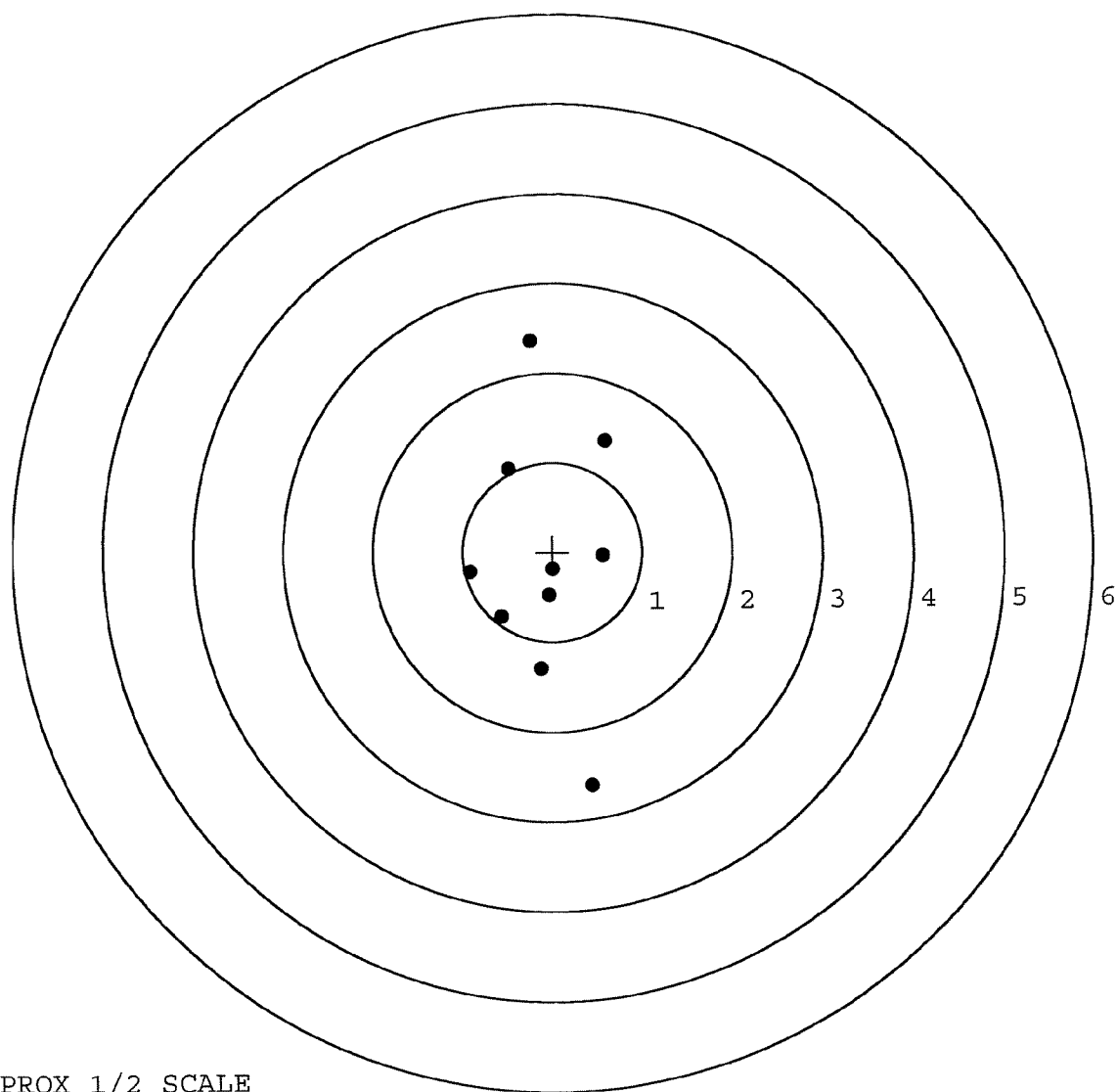


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225259. 0
 TARGET NUMBER: 5
 FILE DATE: 08/06/2002
 FILE TIME: 13:37

X CENTROID: -0.081
 Y CENTROID: -0.105
 POA TO CENTROID: 0.133
 HORZ SPREAD: 1.514
 VERT SPREAD: 4.963
 GROUP SPREAD: 5.008
 MIN RADIUS: 0.122
 MAX RADIUS: 2.552
 MEAN RADIUS: 1.163
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.431	-2.605
2:	-0.140	-1.300
3:	-0.577	-0.724
4:	-0.919	-0.225
5:	-0.044	-0.492
6:	0.003	-0.194
7:	0.565	-0.041
8:	-0.487	0.931
9:	0.595	1.238
10:	-0.240	2.358



TARGET APPROX 1/2 SCALE

Final Inspection

Sn: C0225259

DATE REC'D: 7/12/02

DATE RET'D: 8/5/02

Auditor: RL

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☒ SCOPE☒ SCOPE RINGS☒ MOUNTING SCREWS☒ MOUNTING BASE☒ SCREWS☒ FINISH☒ LOOSENESS☒ CLARITY

Misc.

☒ DD-250☒ BAR CODE☒ PACKAGING

Item:

Stock Assy.

☒ STOCK☒ SLING SWIVEL STUDS☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☒ SCOPE CASE☒ IRON SIGHTS☒ DEPLOYMENT KIT

Trigger

☒ SAFETY OPERATION☒ SET

Comments: _____

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	49171		
SERIAL NUMBER	C622 5259		
LOG-IN DATE	7/11/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/12/02	RL
560 A	RE-BARREL	7/12/02	NA
B	DRILL AND TAP	7-17-02	AC
575	ASSEMBLE	7/18/02	RL
600	PROOF	7-20-02	AC
605	CHECK HEADSPACE	7/22/02	RL
610	DIS-ASSEMBLE GUN	7/22/02	RL
612	MAGNAFLUX	MAGNA-FLUX INSPECTED JUL 23 2002	
615	ROLLMARK CALIBER	7/23/02	TD
618	ROTO-BLAST	7/25/02	RO
620	APPLY COATINGS	OPERATOR <u>RL</u> 7-26	TH
625 A	FINAL ASSEMBLY	8-2-02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-5-02	AC
655	FINAL INSPECT	8-6-02	RL
660	PACK	8-6-02	NA
		SHIP DATE	
	QAR INSPECTION DATE		

Remington®



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

MODEL 700™ H24

**SERIAL NO.
C6225259**

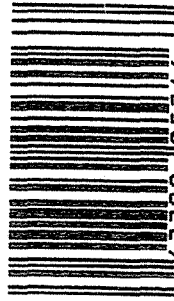
**ORDER NO.
5716**

MADE IN U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6225259

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225259

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 4	89	RW
600	Proof	4 4	89	RW
607	Check Headspace	4 4	89	RW
610	Dis-assemble Gun	4 4	89	RW
612	Magnaflux Barrel Action	4-6	89	KCR
	Magnaflux Bolt	4-7	89	KCR
615	Rollmark Caliber	4-7	89	G.S.
617	Drill and Tap Sight Holes	4 7	89	FB
618	Polish Barrel	4 7	89	BT
620	Apply Coatings (Barrel Action)		4-19-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/19/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/19/89	RW
	C) Inspect Ejector Hole for Chamfer		4/19/89	RW
	D) Oil Firing Pin Ass'y		4/19/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/20/89	G.S.

op. #	OP. NAME	READINGS			DATE	INIT	
625 cont.	F) Safety On Force	6	6	6	4/20/89	gll	
	G) Safety Off Force	2	2	2	4/20/89	gll	
	H) Trigger Pull Test & Retainability				4/20/89	E.S.	
	I) Firing Pin Indent	.021	.020	.020	4/20/89	gll	
	J) Assemble Stock				4/25/89	RW	
	K) Assemble Swivel Studs				27 April 89	JS	
	L) Attach Front and Rear Sight Assemblies				4/25/89	RW	
	M) Iron Sight Alignment				4/25/89	RW	
	N) Detach Front & Rear Sights & place in numbered container				4/25/89	RW	
	O) Attach Scope to Rifle				4/26/89	gll	
	P) Detach & Attach Scope 20 Times				4/26/89	gll	
640	Gallery Target & Test	44 R	103 L	4/27/89	DH		
	A) Time			4/27/89	DH		
	B) Malfunctions			4/27/89	DH		
	C) Pierced Primers			4/27/89	DH		
	D) Optical Clarity of Scope			4/27/89	DH		
645	Inspect for Live Ammo			4/27/89	DH		
655	Final Inspection						
	A) Headspace				27 April 89	JS	
	B) Trigger Pull	2.04	2.13	2.04	224	226	27 April 89
	C) Function				27 April 89	JS	
660	Pack				26 June 89	JS	

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50#+ .50#
3.00#+ .75#
4.00#+1.00#

SERIAL NO. C6225259
DATE 20 April 89
TESTER JSB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.20	2.25	2.27	2.04	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.15	2.26	2.37	2.13	
PULL #3	2.44	2.35	2.35	2.04	
PULL #4	2.24	2.27	2.42	2.24	
PULL #5	2.33	2.42	2.43	2.26	
TOTAL	11.36	11.55	11.84	10.71	
AVG.	2.272	2.31	2.368	2.142	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.00	3.18		
PULL #2	3.11	3.01		
PULL #3	3.08	3.11		
PULL #4	3.00	3.06		
PULL #5	2.96	3.09		
TOTAL	15.15	15.45		
AVG.	3.03	3.09		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.00	4.12		3.96
PULL #2	4.08	4.01		4.10
PULL #3	4.08	4.02		4.08
PULL #4	4.11	3.99		4.08
PULL #5	4.07	4.07		4.14
TOTAL	20.34	20.21		20.36
AVG.	4.068	4.042		4.072

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225259
28 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.352695
1 TO	2	.868268
1 TO	3	.668617
1 TO	4	.481864
1 TO	5	.717508

$\begin{matrix} 1 \\ + \\ 3 \\ \hline 5_2 \end{matrix}$ <----POA

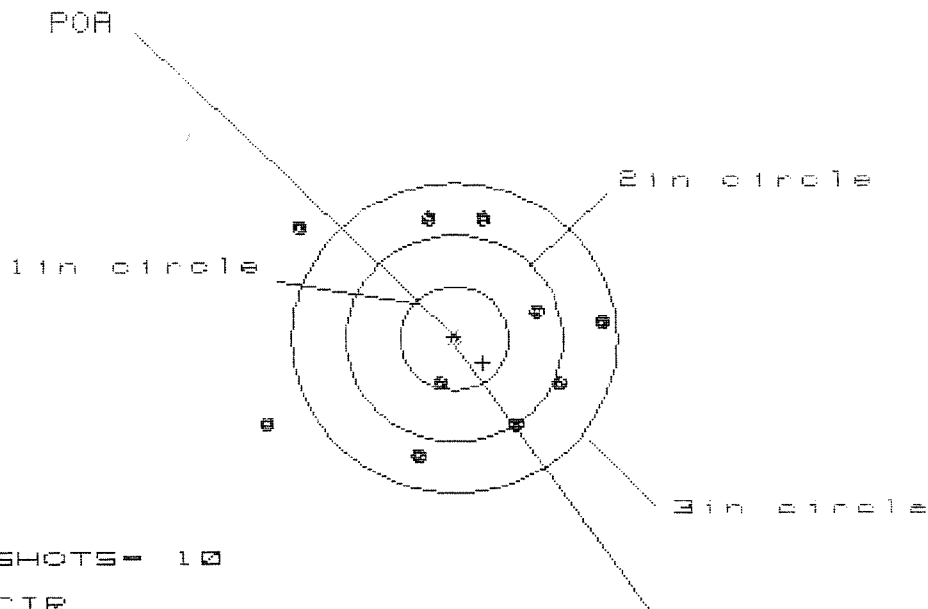
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0136
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1782
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .179168
THE AMR FOR THIS RIFLE IS: 1.049

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/RUN

08225259

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 8

HS= 3.033

VS= 2.334

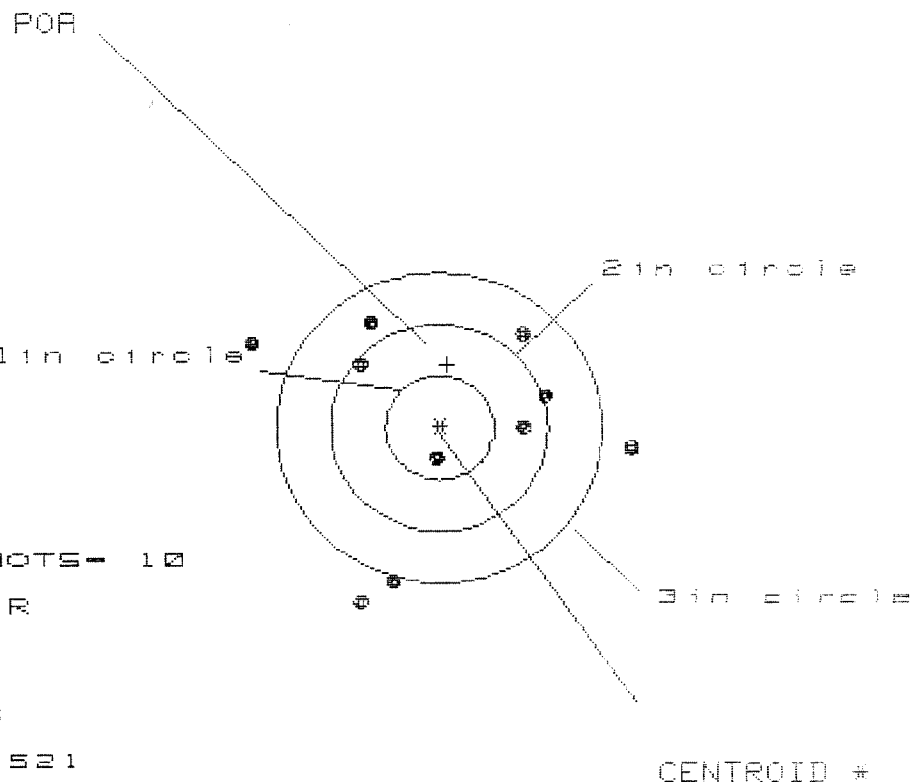
GS= 3.190

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.345	1.157	.952
MINIMUM X	:	-1.688	-1.639	-.705
MAXIMUM Y	:	1.170	1.076	1.195
MINIMUM Y	:	-1.164	-1.258	-1.139
CENTROID X	:	-.263	-.075	.130
CENTROID Y	:	.235	.329	.210
POA TO CENTROID in.	:	.352	.337	.247
MIN RADIUS	:	.436	.588	.472
MEAN RADIUS	:	1.194	1.090	.946
MAX RADIUS	:	1.887	1.895	1.369
HORIZONTAL SPREAD	:	3.033	2.796	1.657
VERTICAL SPREAD	:	2.334	2.334	2.334
EXTREME SPREAD	:	3.190	2.938	2.357
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		8	

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/RUN 06225259

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS= 3.521

VS= 2.739

GS= 3.640

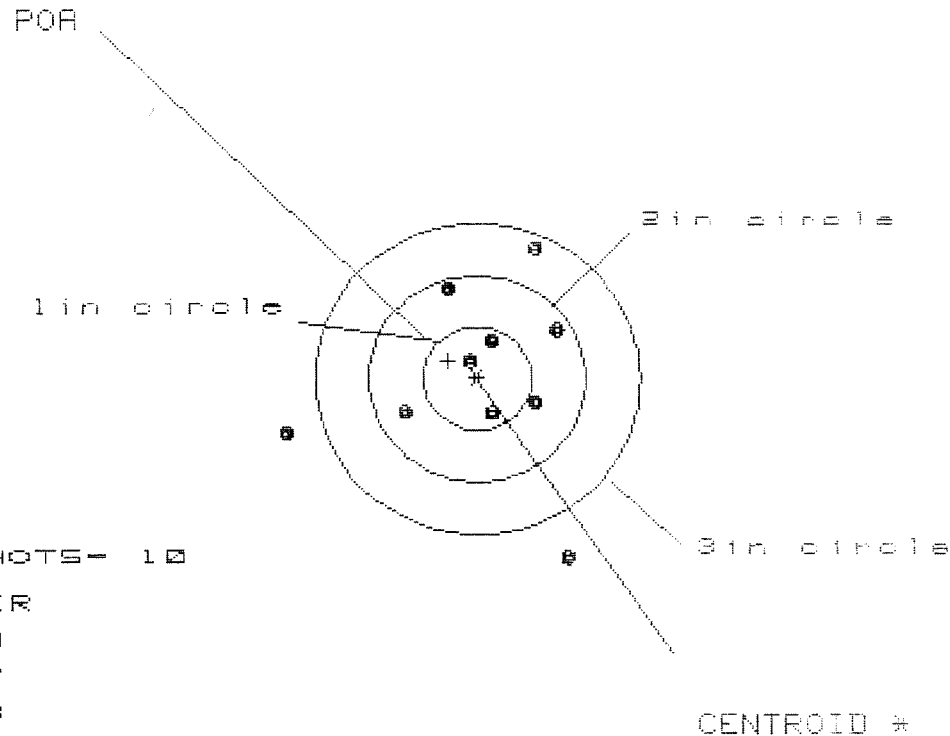
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.788	1.595	1.481
MINIMUM X	:	-1.733	-.967	-1.081
MAXIMUM Y	:	1.026	1.111	.907
MINIMUM Y	:	-1.713	-1.628	-1.656
CENTROID X	:	-.072	.121	.235
CENTROID Y	:	-.612	-.697	-.493
POA TO CENTROID in.	:	.616	.707	.546
MIN RADIUS	:	.257	.309	.461
MEAN RADIUS	:	1.253	1.166	1.047
MAX RADIUS	:	1.895	1.866	1.801
HORIZONTAL SPREAD	:	3.521	2.562	2.562
VERTICAL SPREAD	:	2.739	2.739	2.563
EXTREME SPREAD	:	3.640	3.059	2.757
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/RUN C8225259

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.578

VS= 2.974

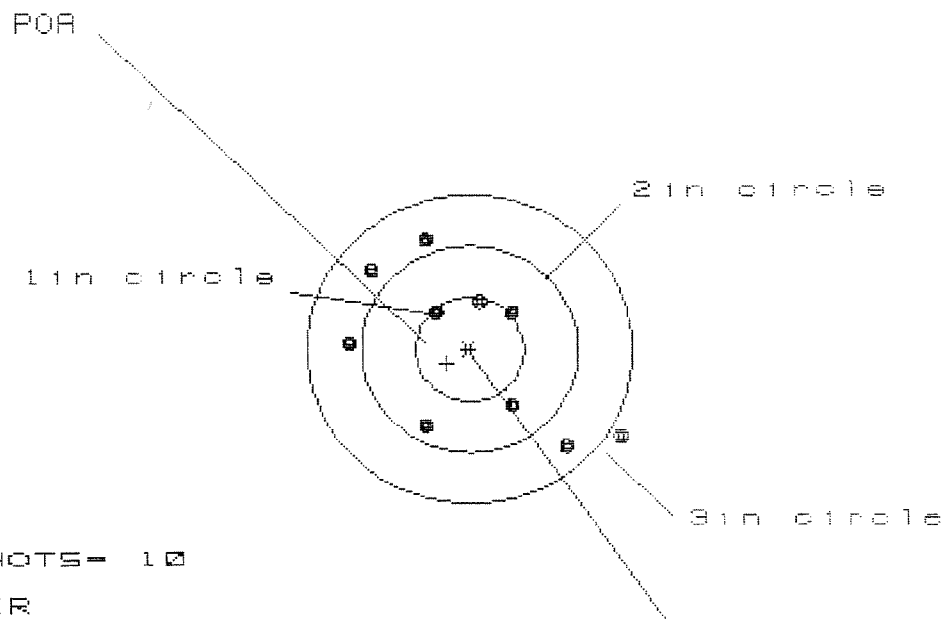
GS= 2.987

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.791	.781	.569
MINIMUM X	:	-1.787	-1.699	-.764
MAXIMUM Y	:	1.241	1.048	.956
MINIMUM Y	:	-1.733	-.736	-.638
CENTROID X	:	.269	.181	.394
CENTROID Y	:	-.170	.023	.115
POA TO CENTROID in.	:	.318	.183	.410
MIN RADIUS	:	.232	.027	.056
MEAN RADIUS	:	.906	.766	.600
MAX RADIUS	:	1.905	1.852	1.033
HORIZONTAL SPREAD	:	2.578	2.480	1.333
VERTICAL SPREAD	:	2.974	1.784	1.594
EXTREME SPREAD	:	2.987	2.912	1.922
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

27 Apr 1985

FILE:/PATTERNING/CENTERFIRE_PATT/RUN 06225259

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.420

VS= 2.022

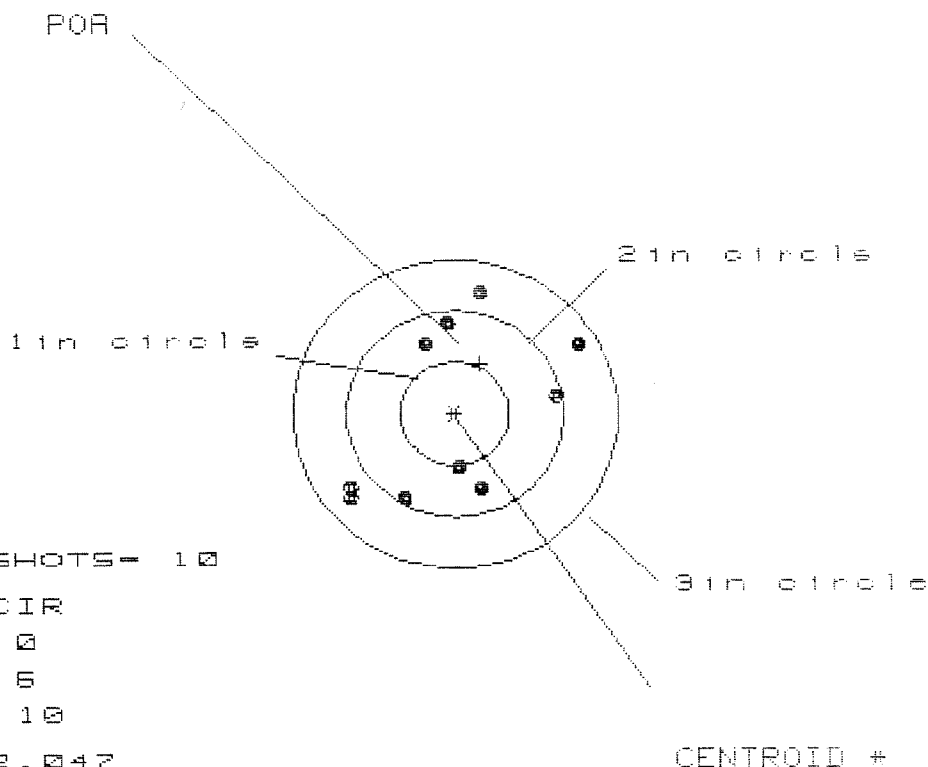
GS= 2.778

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.347	1.083	.661
MINIMUM X	:	-1.073	-.924	-.788
MAXIMUM Y	:	1.074	.976	.845
MINIMUM Y	:	-.948	-1.046	-1.008
CENTROID X	:	.209	.060	-.076
CENTROID Y	:	.138	.236	.366
POA TO CENTROID in.	:	.251	.243	.374
MIN RADIUS	:	.474	.321	.138
MEAN RADIUS	:	.931	.831	.713
MAX RADIUS	:	1.608	1.506	1.014
HORIZONTAL SPREAD	:	2.420	2.007	1.449
VERTICAL SPREAD	:	2.022	2.022	1.853
EXTREME SPREAD	:	2.778	2.506	1.853
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

27 Apr 1985

FILE:/PATTERNING/CENTERFIRE_PATT/RUN 06225259

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 10

HS= 2.047

VS= 2.012

GS= 2.544

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.101	1.035	.932
MINIMUM X	:	-.946	-.824	-.901
MAXIMUM Y	:	1.154	1.226	1.128
MINIMUM Y	:	-.858	-.786	-.817
CENTROID X	:	-.236	-.358	-.255
CENTROID Y	:	-.482	-.554	-.456
POA TO CENTROID in.	:	.536	.660	.523
MIN RADIUS	:	.523	.476	.550
MEAN RADIUS	:	.961	.914	.882
MAX RADIUS	:	1.280	1.286	1.163
HORIZONTAL SPREAD	:	2.047	1.859	1.833
VERTICAL SPREAD	:	2.012	2.012	1.945
EXTREME SPREAD	:	2.544	2.348	2.188
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	