

C6225096

MODEL 700TM M24

Model 700 M24TM

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

M2400048841

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Smead

No. 2452-51

Address Information

[illegible]

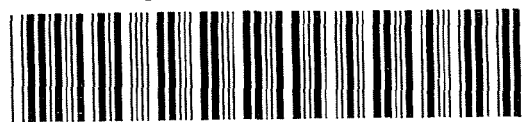
Repair Search

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Inbox - Microsof...
Calendar - Micro...
Shot Show? - M...
Arms Services R...
7:51 AM

Model: 700



RE00061097

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225096.___0

FILE DATE AND TIME: 03/09/2003 10:56

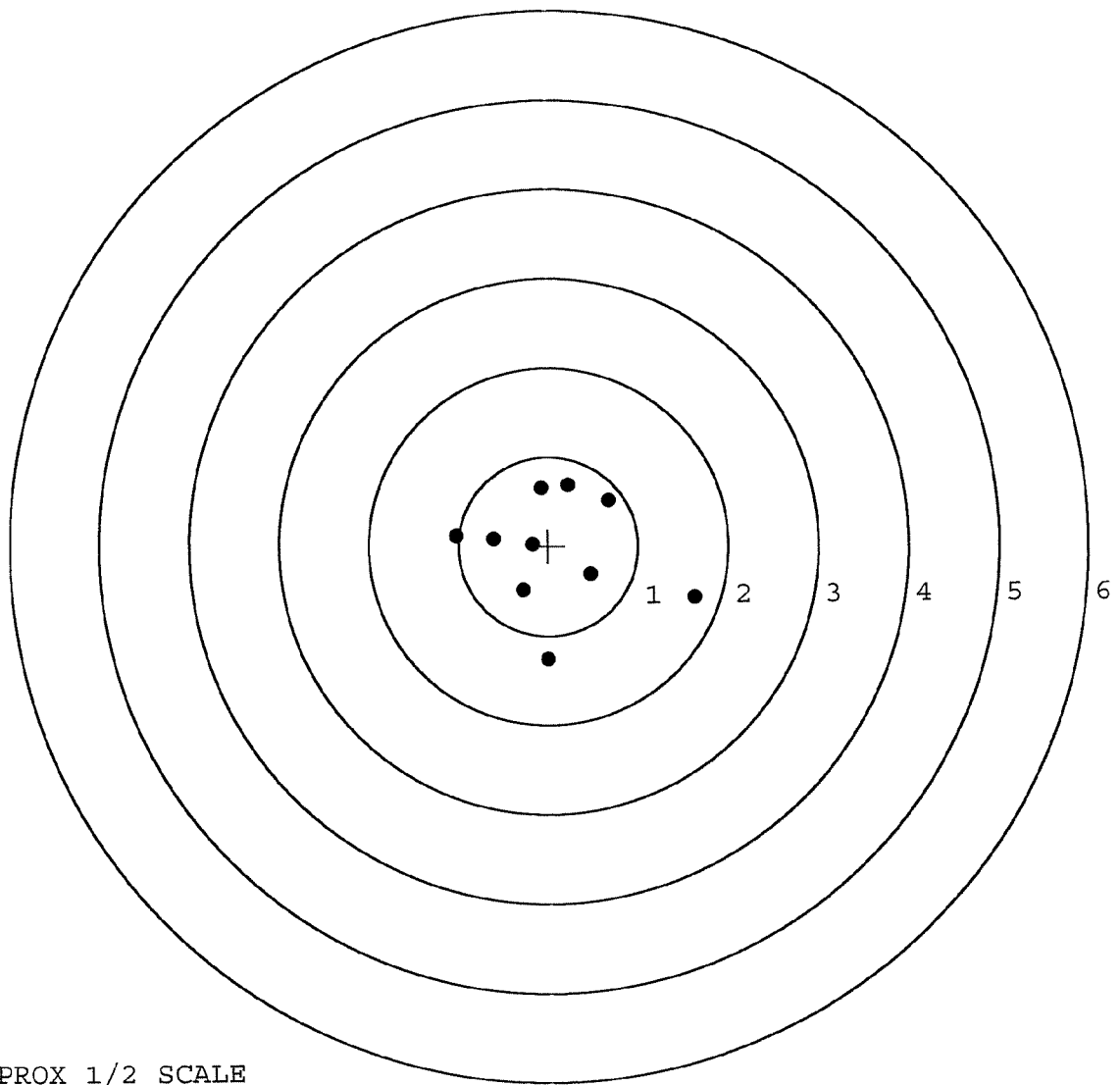
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.064
The Average Y Centroid of the Five Target Set:	0.015
The Average Point of Impact of the Five Target Set:	0.065
The Average Mean Radius of the Five Target Set:	0.680
The Distance from POA to Centroid Target #1:	0.103
The Distance from Centroid Target #2 to Centroid Target #1:	0.282
The Distance from Centroid Target #3 to Centroid Target #1:	0.039
The Distance from Centroid Target #4 to Centroid Target #1:	0.131
The Distance from Centroid Target #5 to Centroid Target #1:	0.131

SERIAL NUMBER: C6225096. 0
TARGET NUMBER: 1
FILE DATE: 03/09/2003
FILE TIME: 10:56

X CENTROID: 0.083
Y CENTROID: -0.061
POA TO CENTROID: 0.103
HORZ SPREAD: 2.645
VERT SPREAD: 1.952
GROUP SPREAD: 2.736
MIN RADIUS: 0.269
MAX RADIUS: 1.628
MEAN RADIUS: 0.828
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.467	-0.316
2:	-0.008	-1.272
3:	1.625	-0.582
4:	0.678	0.511
5:	0.226	0.680
6:	-0.075	0.653
7:	-1.020	0.119
8:	-0.611	0.081
9:	-0.174	0.018
10:	-0.280	-0.498

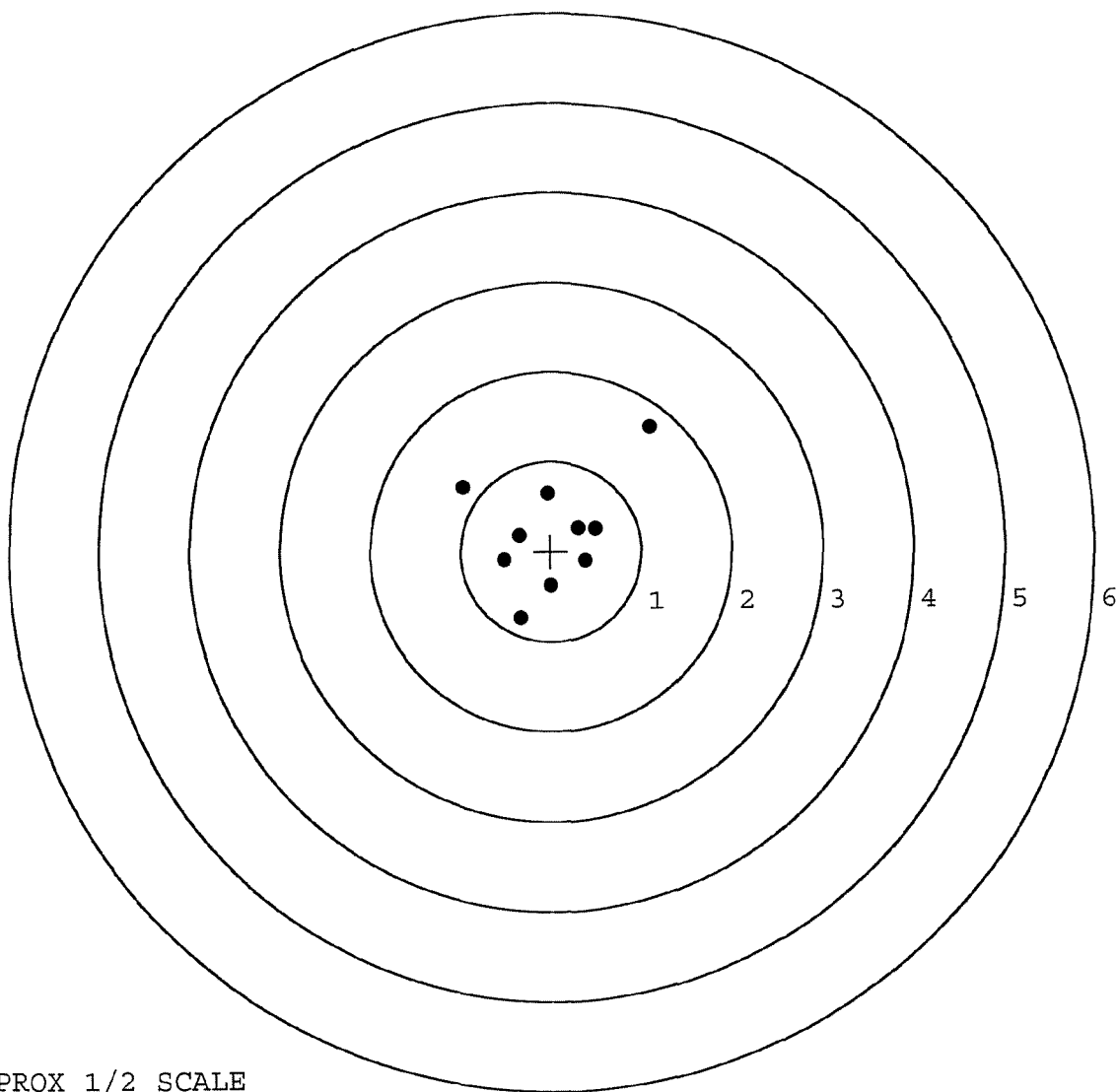


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225096. __0
TARGET NUMBER: 2
FILE DATE: 03/09/2003
FILE TIME: 10:56

X CENTROID: 0.006
Y CENTROID: 0.211
POA TO CENTROID: 0.211
HORZ SPREAD: 2.063
VERT SPREAD: 2.120
GROUP SPREAD: 2.558
MIN RADIUS: 0.299
MAX RADIUS: 1.594
MEAN RADIUS: 0.698
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.094	1.375
2:	-0.969	0.718
3:	-0.039	0.643
4:	-0.348	0.178
5:	-0.520	-0.096
6:	0.004	-0.385
7:	-0.338	-0.745
8:	0.383	-0.100
9:	0.489	0.258
10:	0.300	0.265

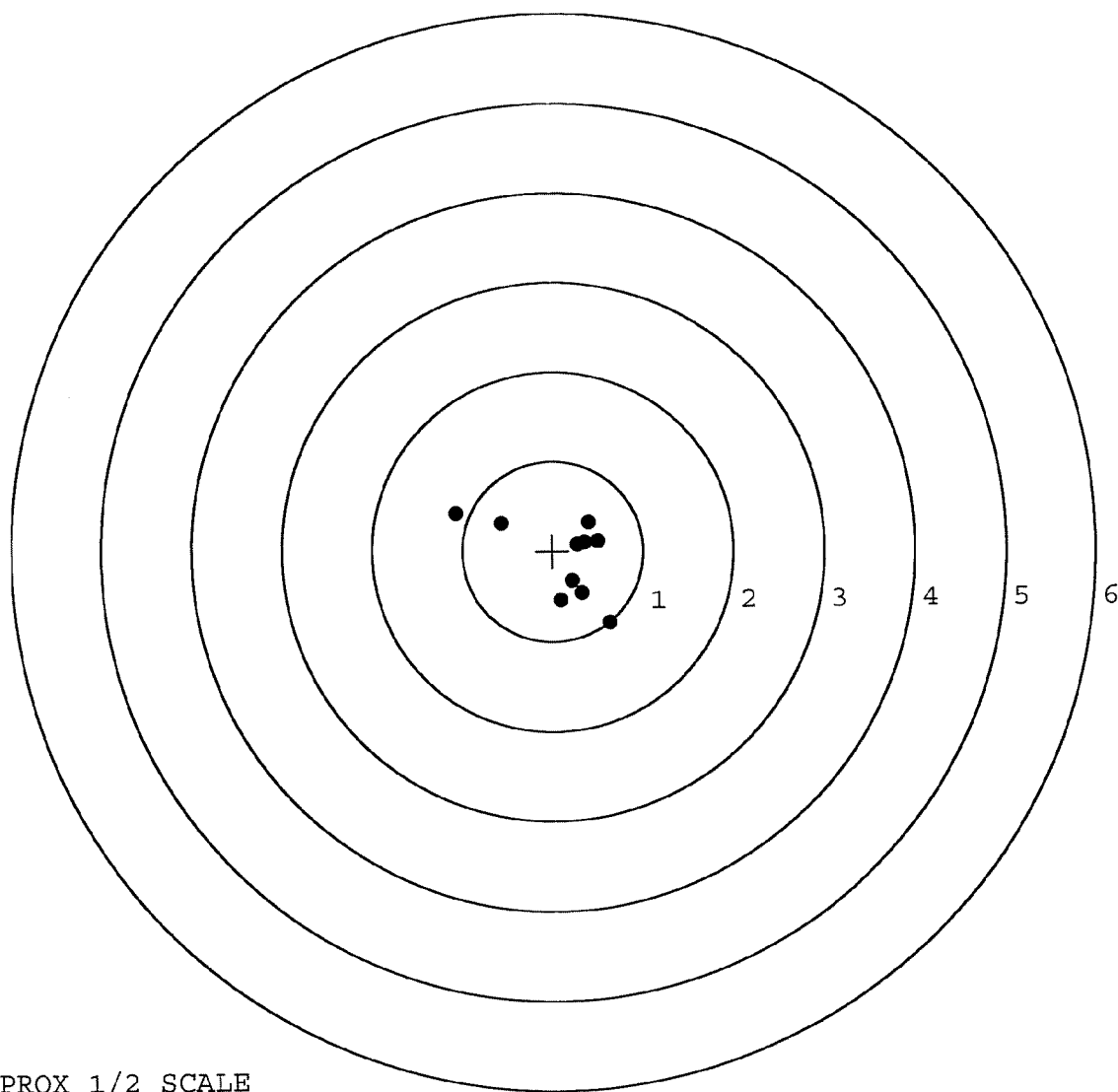


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225096. __0
TARGET NUMBER: 3
FILE DATE: 03/09/2003
FILE TIME: 10:56

X CENTROID: 0.115
Y CENTROID: -0.083
POA TO CENTROID: 0.142
HORZ SPREAD: 1.694
VERT SPREAD: 1.225
GROUP SPREAD: 2.091
MIN RADIUS: 0.223
MAX RADIUS: 1.287
MEAN RADIUS: 0.558
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.627	-0.799
2:	-1.067	0.426
3:	-0.570	0.308
4:	0.088	-0.547
5:	0.322	-0.471
6:	0.214	-0.336
7:	0.276	0.071
8:	0.504	0.111
9:	0.400	0.317
10:	0.356	0.094

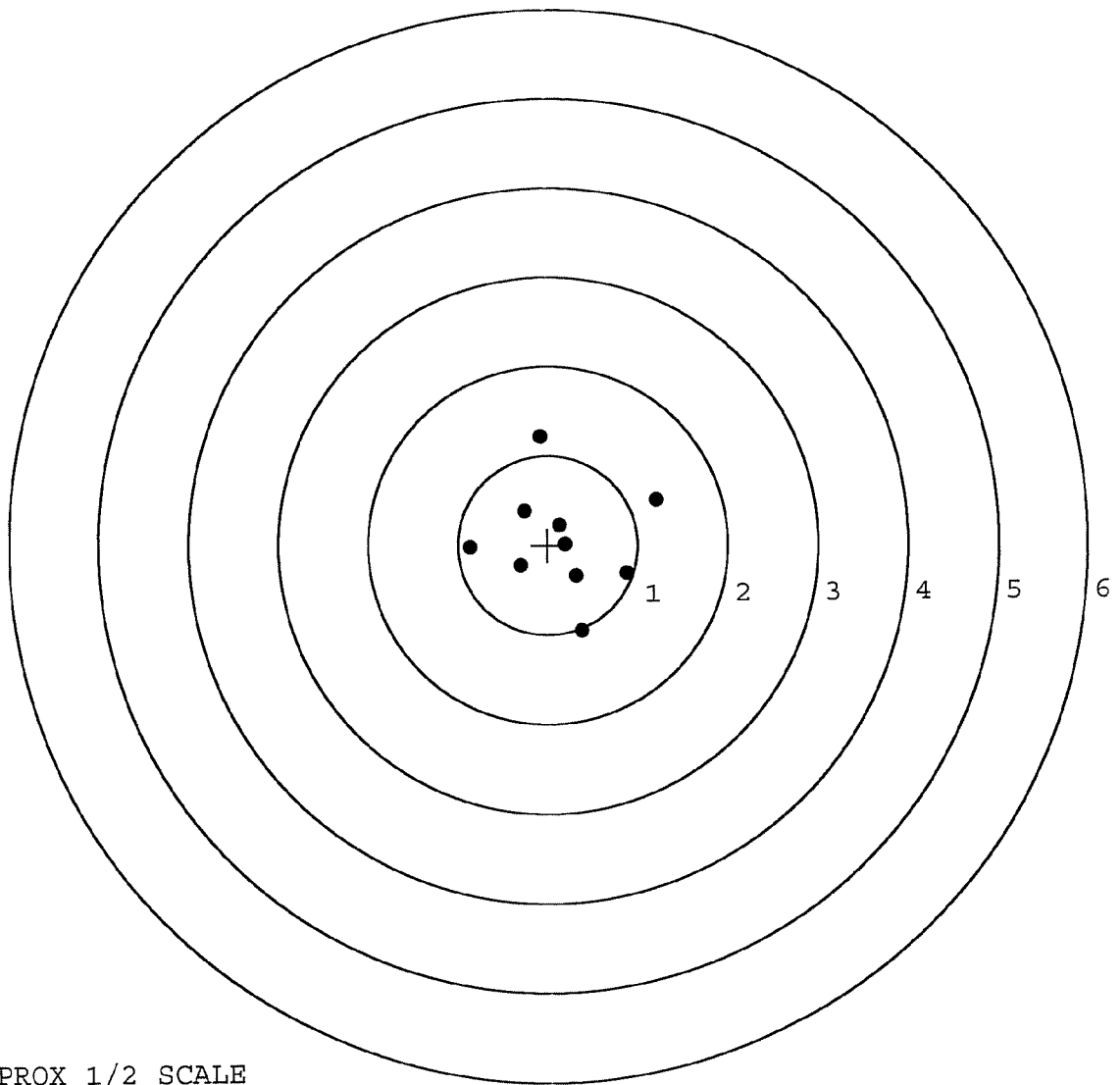


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225096. __0
TARGET NUMBER: 4
FILE DATE: 03/09/2003
FILE TIME: 10:56

X CENTROID: 0.161
Y CENTROID: 0.044
POA TO CENTROID: 0.167
HORZ SPREAD: 2.069
VERT SPREAD: 2.173
GROUP SPREAD: 2.220
MIN RADIUS: 0.049
MAX RADIUS: 1.190
MEAN RADIUS: 0.692
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.876	-0.323
2:	1.209	0.494
3:	-0.078	1.209
4:	-0.860	-0.021
5:	-0.303	-0.227
6:	-0.255	0.386
7:	0.134	0.221
8:	0.196	0.009
9:	0.319	-0.349
10:	0.377	-0.964

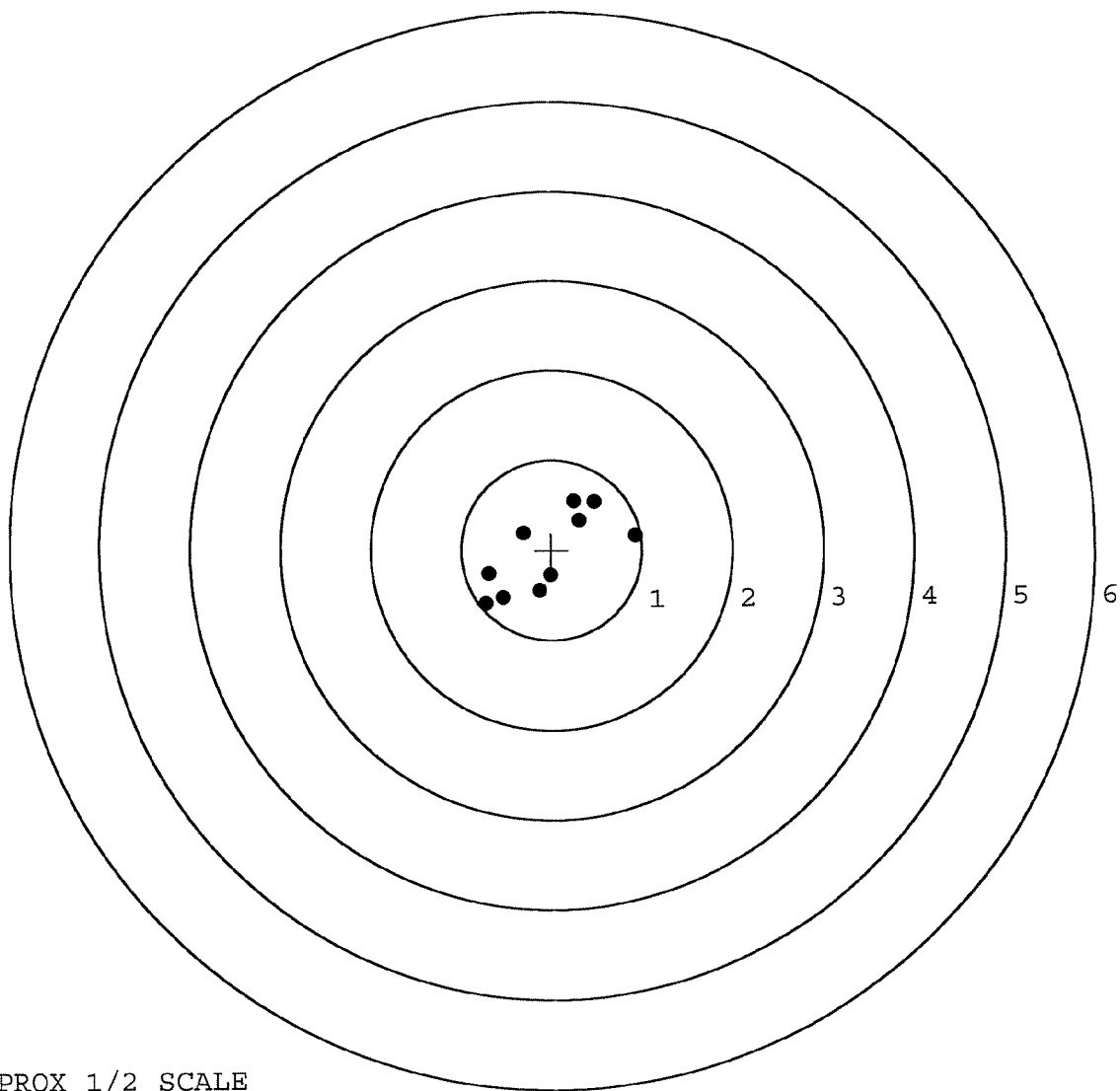


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225096. __0
TARGET NUMBER: 5
FILE DATE: 03/09/2003
FILE TIME: 10:56

X CENTROID: -0.046
Y CENTROID: -0.038
POA TO CENTROID: 0.060
HORZ SPREAD: 1.659
VERT SPREAD: 1.146
GROUP SPREAD: 1.823
MIN RADIUS: 0.248
MAX RADIUS: 0.993
MEAN RADIUS: 0.623
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.927	0.156
2:	0.474	0.534
3:	0.249	0.546
4:	0.312	0.329
5:	-0.308	0.192
6:	-0.697	-0.266
7:	-0.540	-0.530
8:	-0.732	-0.600
9:	-0.134	-0.459
10:	-0.015	-0.284



TARGET APPROX 1/2 SCALE

FINAL INSPECTION CHECKLIST M-24 REPAIRS
CONTRACT #: DAAE-20-02-D-0127

SERIAL # C6225096 INSPECTED BY: RTL
DATE REC'D: 2-5-03 DATE RET'D: 3-10-03

ITEM

BARREL ASSEMBLY

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

SCOPE ASSEMBLY

☐ SCOPE
☐ SCOPE RINGS
☐ MOUNTING SCREWS
☐ MOUNTING BASE
☐ SCREWS
☐ FINISH
☐ CLARITY

ITEM

STOCK ASSEMBLY

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

SYSTEMS CASE

☐ SCOPE CASE
☐ IRON SIGHTS
☐ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

[illegible]

88299

509!

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *C6225096*

OPERATION		DATE	INT
#	NAME		
575- 580	ASSEMBLY	<i>26</i>	<i>FB</i>
600	PROOF	<i>29</i>	<i>Ru</i>
615	MAGNAFLUX BARREL	<i>5/13/88</i>	<i>pfl.</i>
	MAGNAFLUX BOLT	<i>5/13/88</i>	<i>pfl.</i>
620	COATING	<i>8/11/88</i>	<i>TJA</i>
625- 630	FINAL ASSEMBLY		
635	TEST		
640	TARGET		
	FIRING PIN INDENT		
660	PACK		

SCOPE # 1777

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225096

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill & Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coatings (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/7/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/7/88	RW
	C) Inspect Ejector Hole for Chamfer		9/7/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		9/7/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		7 Sept 88	JS
	F) Safety on Force	6.1 6.5 6.5	7 Sept 88	JS
	G) Safety off Force	4 3.5 3.5	7 Sept 88	JS
	H) Trigger Pull Test & Retainability		7 Sept 88	JS
	I) Firing Pin Indent	.022 .022 .022	7 Sept 88	JS
	J) Assemble Stock		9/21/88	RW
	K) Assemble Swivel Studs		10-2-88	JS
	L) Attach Front & Rear Sight Assemblies		9/21/88	RW
	M) Iron Sight Alignment		9/21/88	RW
	N) Detach Front & Rear Sights & place in numbered container		9/21/88	RW
	O) Attach Scope to Rifle		10/4/88	RW
	P) Detach & Attach Scope 20 times		10-5-88	JS
640	Gallery Target & Test	57 R 98L	10/10/88	W.B.
	A) Optical Clarity of Scope		10/10/88	W.B.
645	Inspect for Live Ammo		10/10/88	AC
655	Final Inspection			
	A) Headspace		10-12-88	JS
	B) Trigger Pull		10-14-88	JS
	C) Function		10-12-88	JS
660	Pack		10-21-88	JS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6225096
DATE 7 Sept. 88
TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.64	2.60	2.67	2.71	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.66	2.63	2.61	2.76	
PULL #3	2.66	2.60	2.66	2.56	
PULL #4	2.70	2.66	2.75	2.57	
PULL #5	2.73	2.65	2.73	2.52	
TOTAL	13.39	13.14	13.42	13.14	
AVG.	2.678	2.628	2.684	2.628	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.06		
PULL #2	3.07	3.08		
PULL #3	3.08	3.07		
PULL #4	3.09	3.10		
PULL #5	3.03	3.05		
TOTAL	15.34	15.36		
AVG.	3.068	3.072		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.11		4.11
PULL #2	4.23	4.18		4.20
PULL #3	4.25	4.20		4.19
PULL #4	4.23	4.21		4.18
PULL #5	4.15	4.03		4.24
TOTAL	21.15	20.73		20.92
AVG.	4.23	4.146		4.184

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 6225096

CENTROIDAL DISTANCES

0 TO	1	.652507
1 TO	2	.549889
1 TO	3	.745539
1 TO	4	.568466
1 TO	5	.532124

L
S
P

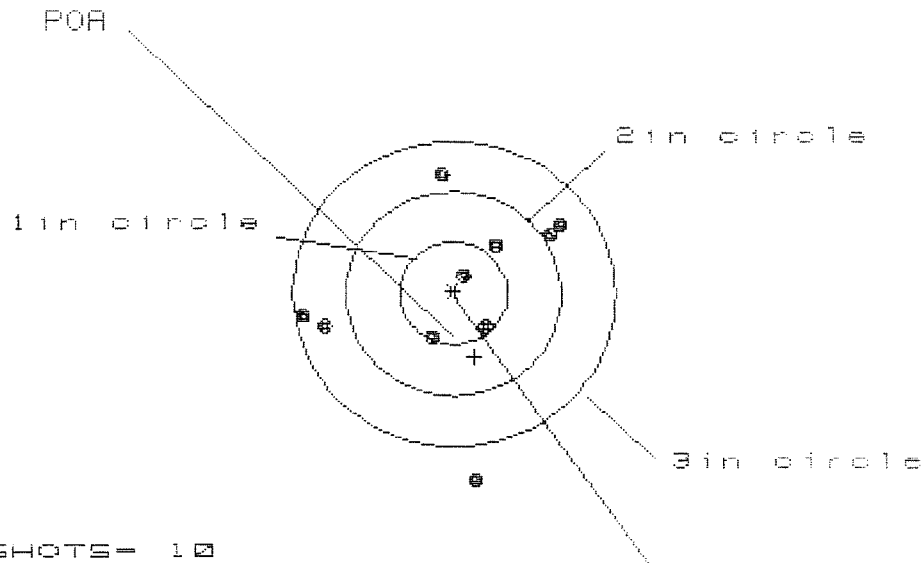
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0858
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2614
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .275121
THE AMR FOR THIS RIFLE IS: 1.044

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225098

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 4

3 in = 9

HS= 2.409

VS= 2.992

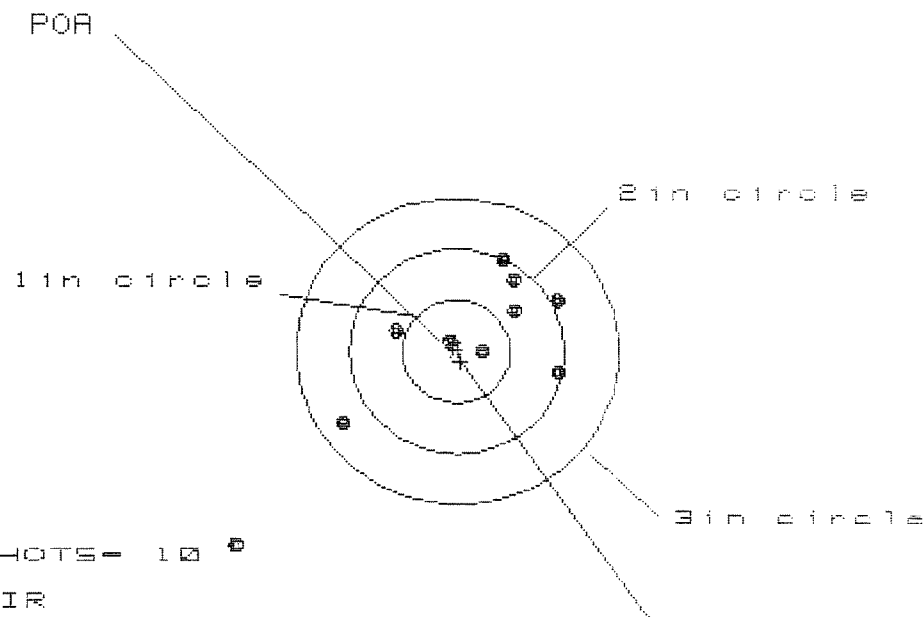
GS= 3.004

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.025	1.044	.873
MINIMUM X	:	-1.384	-1.365	-1.326
MAXIMUM Y	:	1.174	.972	.916
MINIMUM Y	:	-1.818	-.629	-.685
CENTROID X	:	-.194	-.213	-.042
CENTROID Y	:	.623	.825	.881
POA TO CENTROID in.	:	.653	.852	.882
MIN RADIUS	:	.180	.152	.127
MEAN RADIUS	:	.960	.855	.746
MAX RADIUS	:	1.826	1.436	1.432
HORIZONTAL SPREAD	:	2.409	2.409	2.199
VERTICAL SPREAD	:	2.992	1.601	1.601
EXTREME SPREAD	:	3.004	2.589	2.411
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225096

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 8

HS = 3.075

VS = 2.801

GS = 3.917

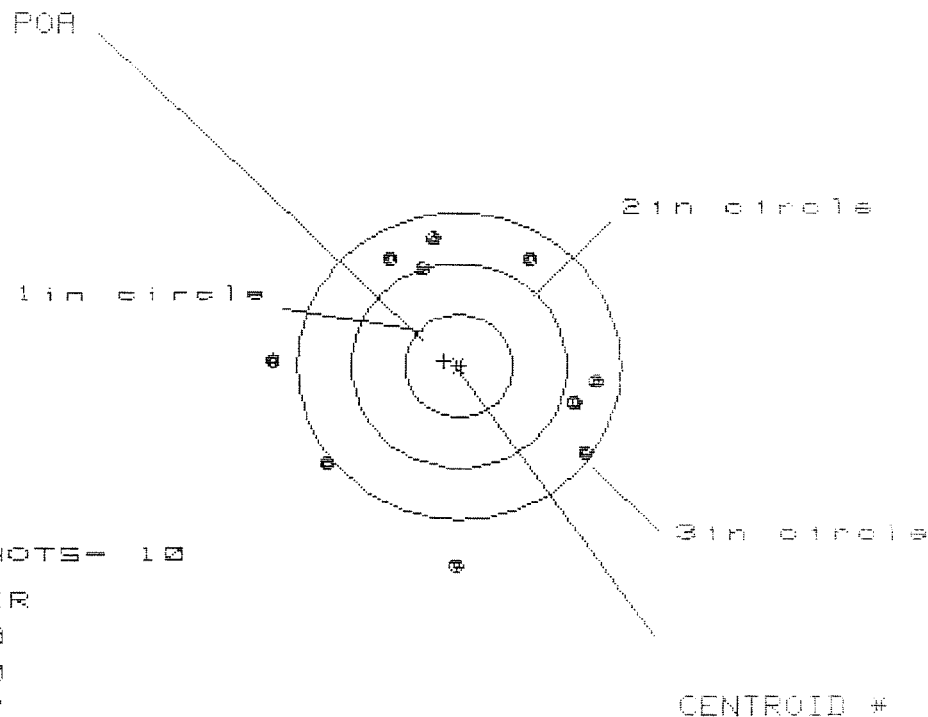
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.971	.737	.576
MINIMUM X	:	-2.104	-1.286	-.909
MAXIMUM Y	:	.895	.684	.571
MINIMUM Y	:	-1.906	-.899	-.526
CENTROID X	:	-.037	.197	.358
CENTROID Y	:	.096	.307	.420
POR TO CENTROID in.	:	.102	.365	.552
MIN RADIUS	:	.168	.229	.200
MEAN RADIUS	:	.971	.686	.542
MAX RADIUS	:	2.839	1.569	.919
HORIZONTAL SPREAD	:	3.075	2.023	1.485
VERTICAL SPREAD	:	2.801	1.583	1.097
EXTREME SPREAD	:	3.917	2.356	1.522
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225056

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 0

3in = 7

HS= 3.021

VS= 3.209

GS= 3.216

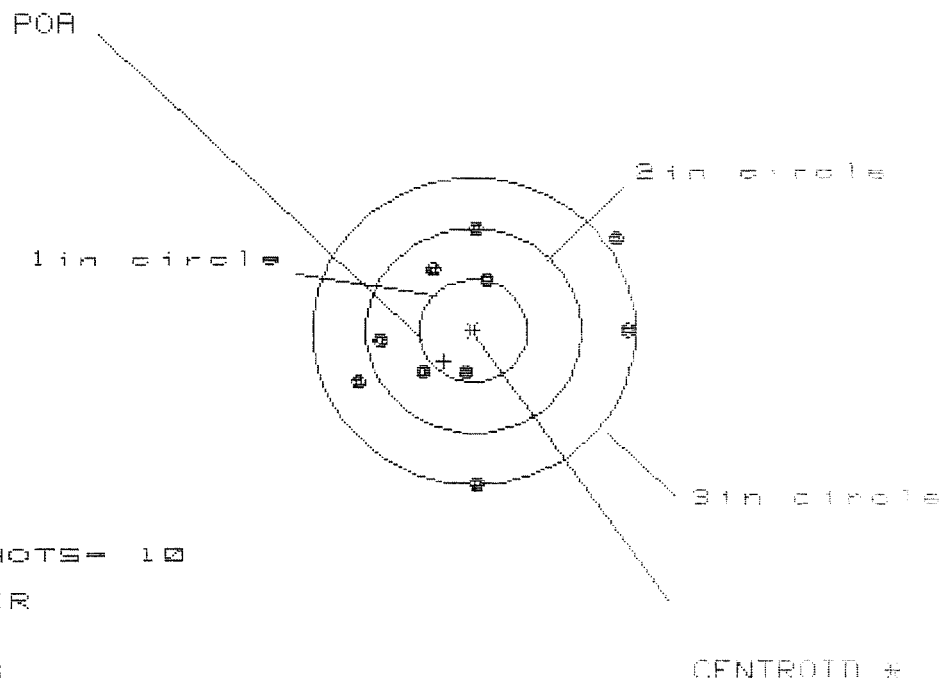
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.260	1.259	1.039
MINIMUM X	:	-1.761	-1.762	-1.418
MAXIMUM Y	:	1.248	1.030	1.002
MINIMUM Y	:	-1.961	-1.216	-1.244
CENTROID X	:	.133	.134	.354
CENTROID Y	:	-.047	.171	.199
POA TO CENTROID in.	:	.141	.217	.406
MIN RADIUS	:	1.033	.826	.867
MEAN RADIUS	:	1.376	1.272	1.181
MAX RADIUS	:	1.961	1.776	1.886
HORIZONTAL SPREAD	:	3.021	3.021	2.457
VERTICAL SPREAD	:	3.209	2.246	2.246
EXTREME SPREAD	:	3.216	3.023	2.720
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		0	
NUMBER IN THREE INCH CIRCLE	=		7	

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225096

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.429

VS = 2.503

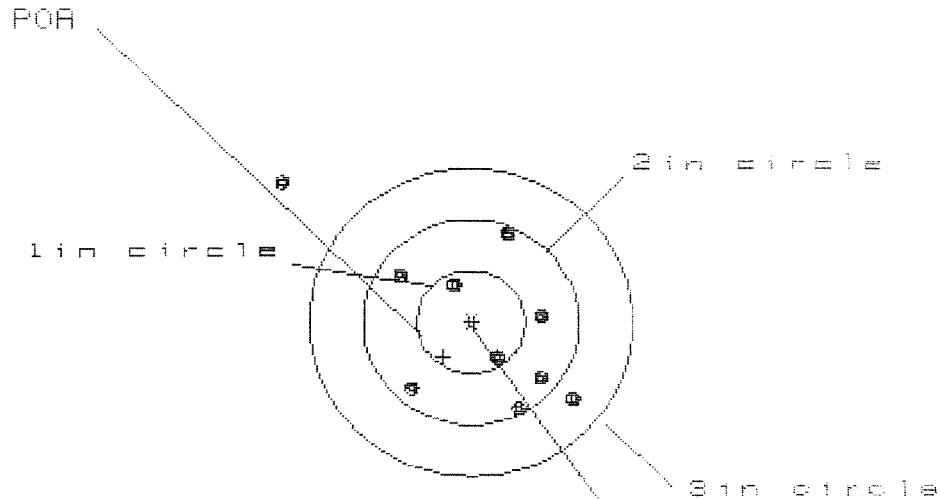
GS = 2.749

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.391	1.542	1.564
MINIMUM X	-1.038	-.887	-.965
MAXIMUM Y	.969	1.065	.885
MINIMUM Y	-1.534	-1.438	-.573
CENTROID X	.271	.120	.098
CENTROID Y	.296	.200	.379
FOR TO CENTROID in.	.401	.233	.392
MIN RADIUS	.450	.341	.511
MEAN RADIUS	.986	.884	.882
MAX RADIUS	1.608	1.543	1.569
HORIZONTAL SPREAD	2.429	2.429	2.429
VERTICAL SPREAD	2.503	2.503	1.458
EXTREME SPREAD	2.749	2.503	2.471
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 8		

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225086

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS= 2.714

VS= 2.201

GS= 3.403

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.944	.747	.535
MINIMUM X	:	-1.770	-.902	-.808
MAXIMUM Y	:	1.340	.967	.896
MINIMUM Y	:	-.861	-.712	-.783
CENTROID X	:	.256	.453	.359
CENTROID Y	:	.339	.190	.261
POB TO CENTROID in.	:	.425	.491	.444
MIN RADIUS	:	.411	.186	.288
MEAN RADIUS	:	.925	.728	.711
MAX RADIUS	:	2.220	1.113	.996
HORIZONTAL SPREAD	:	2.714	1.649	1.343
VERTICAL SPREAD	:	2.201	1.679	1.679
EXTREME SPREAD	:	3.403	2.049	1.773
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	