

C6349125

MODEL 700™ M24

Model **SMS**™

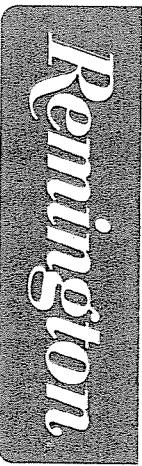
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smith

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00085640** Serial: E8979125 Model M24 SWS CenterFire Caliber: 7.62 NATO Repairman: Status: Closed 9/28/2004 2:36:37 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **C CO SPT BN 1ST SWTG A** **C CO SPT BN 1ST SWTG A**

Address 1: **AHN ARMAMENT FACILITY** **AHN ARMAMENT FACILITY**

Address 2: PO Box: PO Box:

City: **FT BRAGG** **FT BRAGG**

State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case	1
A017	Scope Bases	3

Repair Search Refresh Close

haclej 9/28/2004 2:46 PM CAPS NUM INS SCCL

start 2 3 4

634

C ~~087~~ 9125

Serial Number: ~~E6379125~~

Model: M24 SWS



RE00085640

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: ~~C-6349125~~ C-6349125__0
FILE DATE AND TIME: 11/05/2004 08:09

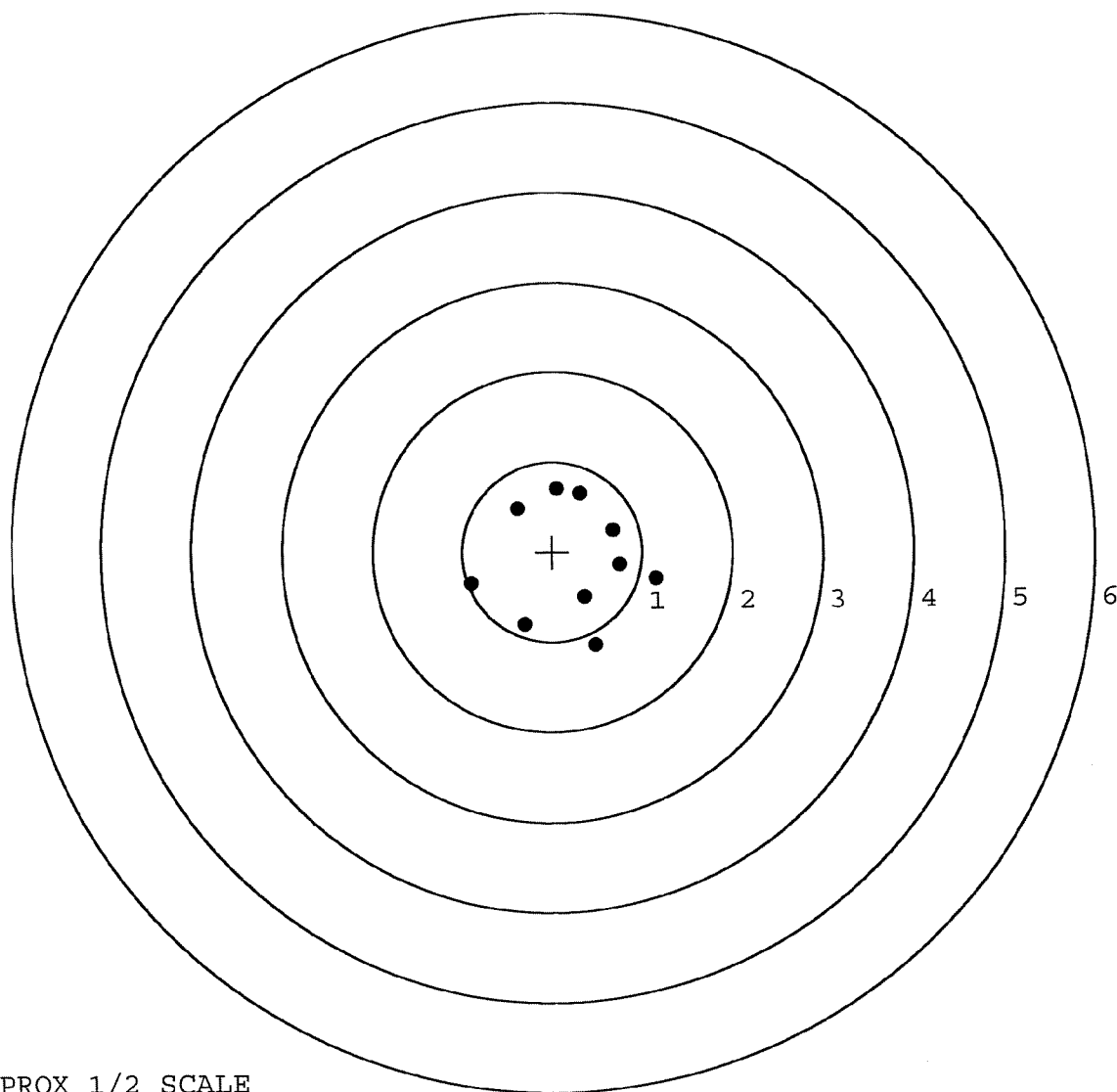
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.078
The Average Y Centroid of the Five Target Set:	0.131
The Average Point of Impact of the Five Target Set:	0.152
The Average Mean Radius of the Five Target Set:	0.905
The Distance from POA to Centroid Target #1:	0.245
The Distance from Centroid Target #2 to Centroid Target #1:	0.415
The Distance from Centroid Target #3 to Centroid Target #1:	0.344
The Distance from Centroid Target #4 to Centroid Target #1:	0.427
The Distance from Centroid Target #5 to Centroid Target #1:	0.801

SERIAL NUMBER: C6349125. __0
TARGET NUMBER: 1
FILE DATE: 11/05/2004
FILE TIME: 08:09

X CENTROID: 0.219
Y CENTROID: -0.108
POA TO CENTROID: 0.245
HORZ SPREAD: 2.053
VERT SPREAD: 1.750
GROUP SPREAD: 2.053
MIN RADIUS: 0.416
MAX RADIUS: 1.145
MEAN RADIUS: 0.791
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.477	-1.046
2:	0.360	-0.500
3:	1.152	-0.309
4:	0.748	-0.147
5:	0.677	0.234
6:	0.318	0.652
7:	0.056	0.704
8:	-0.384	0.483
9:	-0.901	-0.344
10:	-0.309	-0.811



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349125.___0

TARGET NUMBER: 2

FILE DATE: 11/05/2004

FILE TIME: 08:09

X CENTROID: -0.033

Y CENTROID: 0.221

POA TO CENTROID: 0.224

HORZ SPREAD: 1.649

VERT SPREAD: 2.553

GROUP SPREAD: 2.814

MIN RADIUS: 0.150

MAX RADIUS: 1.585

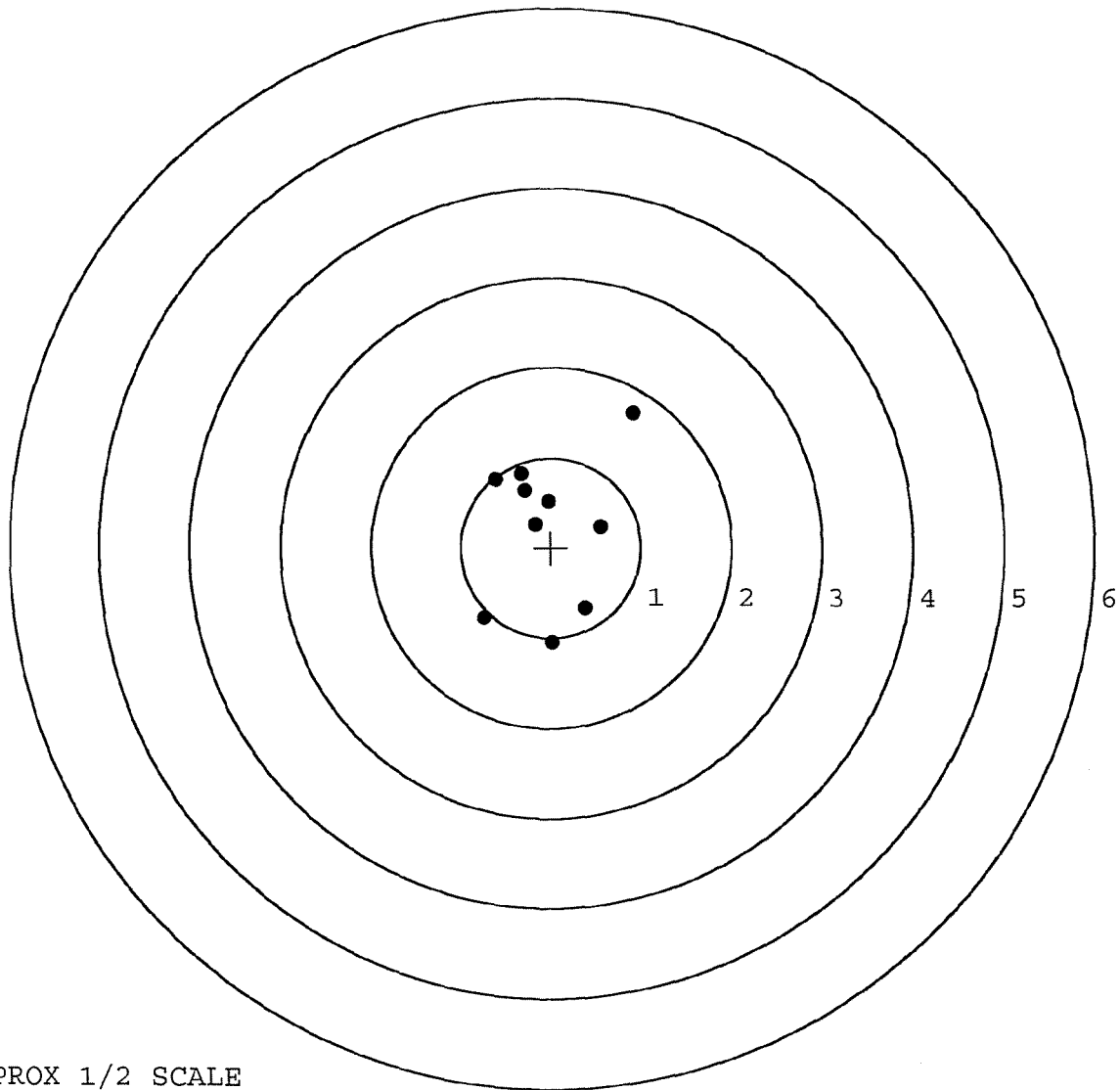
MEAN RADIUS: 0.807

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.025	-1.058
2:	0.384	-0.668
3:	-0.738	-0.785
4:	0.551	0.235
5:	0.911	1.495
6:	-0.032	0.515
7:	-0.179	0.254
8:	-0.293	0.636
9:	-0.336	0.822
10:	-0.620	0.765



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349125. __0

TARGET NUMBER: 3

FILE DATE: 11/05/2004

FILE TIME: 08:09

X CENTROID: -0.120

Y CENTROID: -0.051

POA TO CENTROID: 0.130

HORZ SPREAD: 1.432

VERT SPREAD: 1.900

GROUP SPREAD: 1.925

MIN RADIUS: 0.521

MAX RADIUS: 1.003

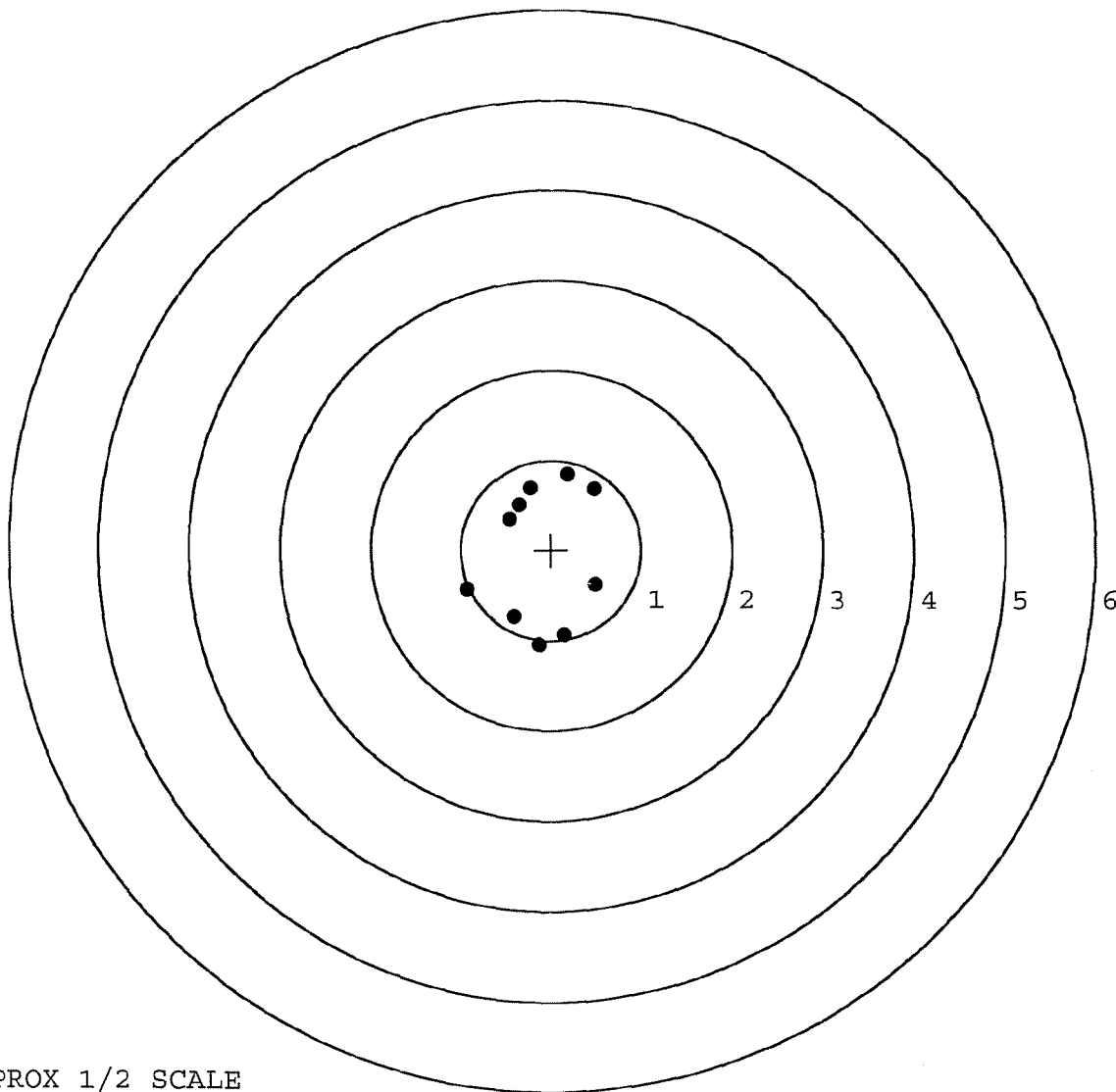
MEAN RADIUS: 0.807

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.500	-0.391
2:	0.157	-0.945
3:	-0.127	-1.054
4:	-0.412	-0.741
5:	-0.932	-0.443
6:	0.481	0.683
7:	0.184	0.846
8:	-0.230	0.687
9:	-0.359	0.505
10:	-0.461	0.343



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349125. 0

TARGET NUMBER: 4

FILE DATE: 11/05/2004

FILE TIME: 08:09

X CENTROID: -0.162

Y CENTROID: 0.084

POA TO CENTROID: 0.182

HORZ SPREAD: 2.700

VERT SPREAD: 1.770

GROUP SPREAD: 2.926

MIN RADIUS: 0.287

MAX RADIUS: 1.753

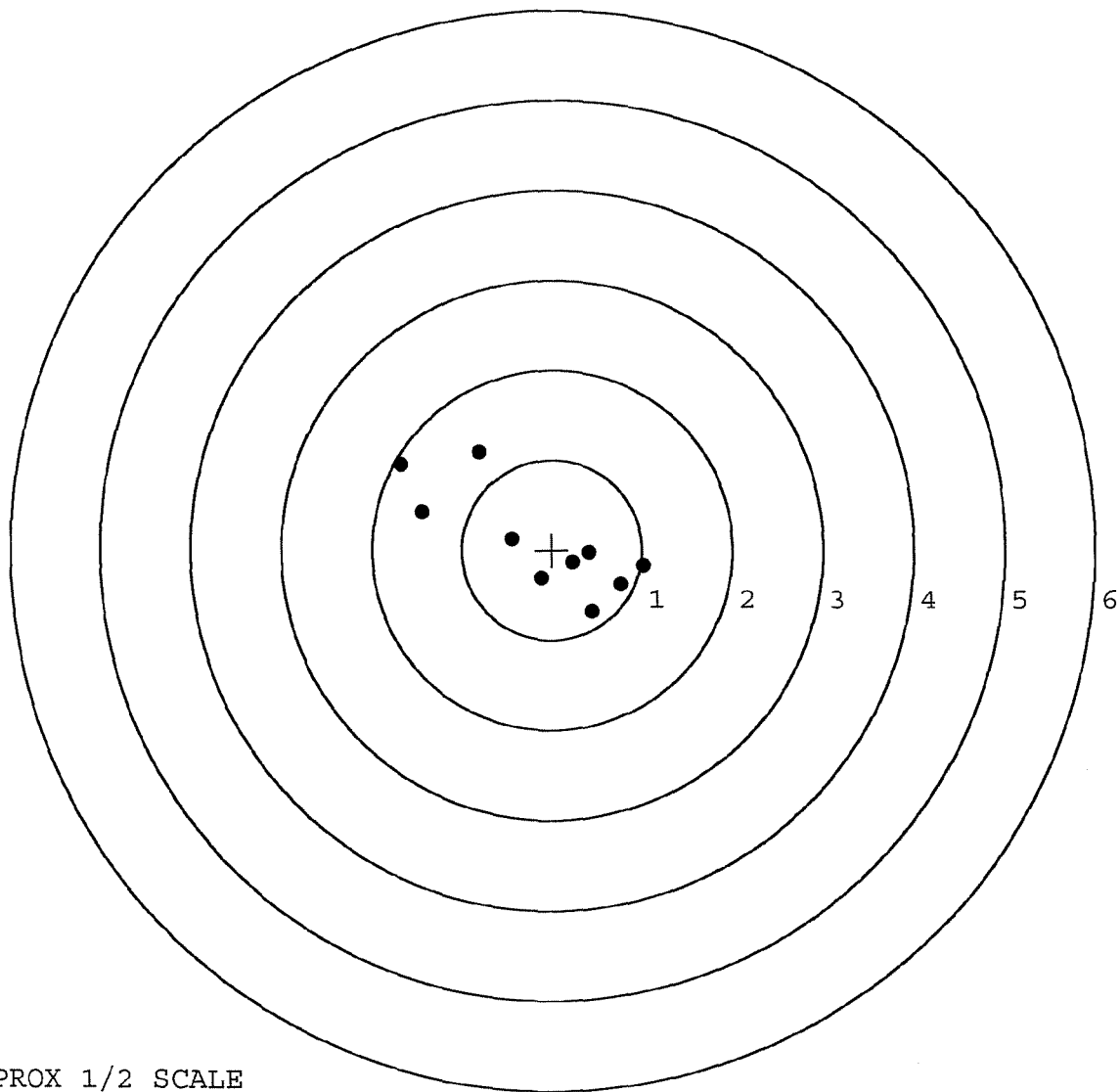
MEAN RADIUS: 0.924

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.016	-0.174
2:	0.770	-0.390
3:	0.453	-0.687
4:	0.416	-0.029
5:	0.229	-0.146
6:	-0.114	-0.315
7:	-0.446	0.125
8:	-0.811	1.083
9:	-1.684	0.953
10:	-1.448	0.420



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349125. 0

TARGET NUMBER: 5

FILE DATE: 11/05/2004

FILE TIME: 08:09

X CENTROID: -0.293

Y CENTROID: 0.508

POA TO CENTROID: 0.586

HORZ SPREAD: 2.456

VERT SPREAD: 2.735

GROUP SPREAD: 3.454

MIN RADIUS: 0.254

MAX RADIUS: 1.991

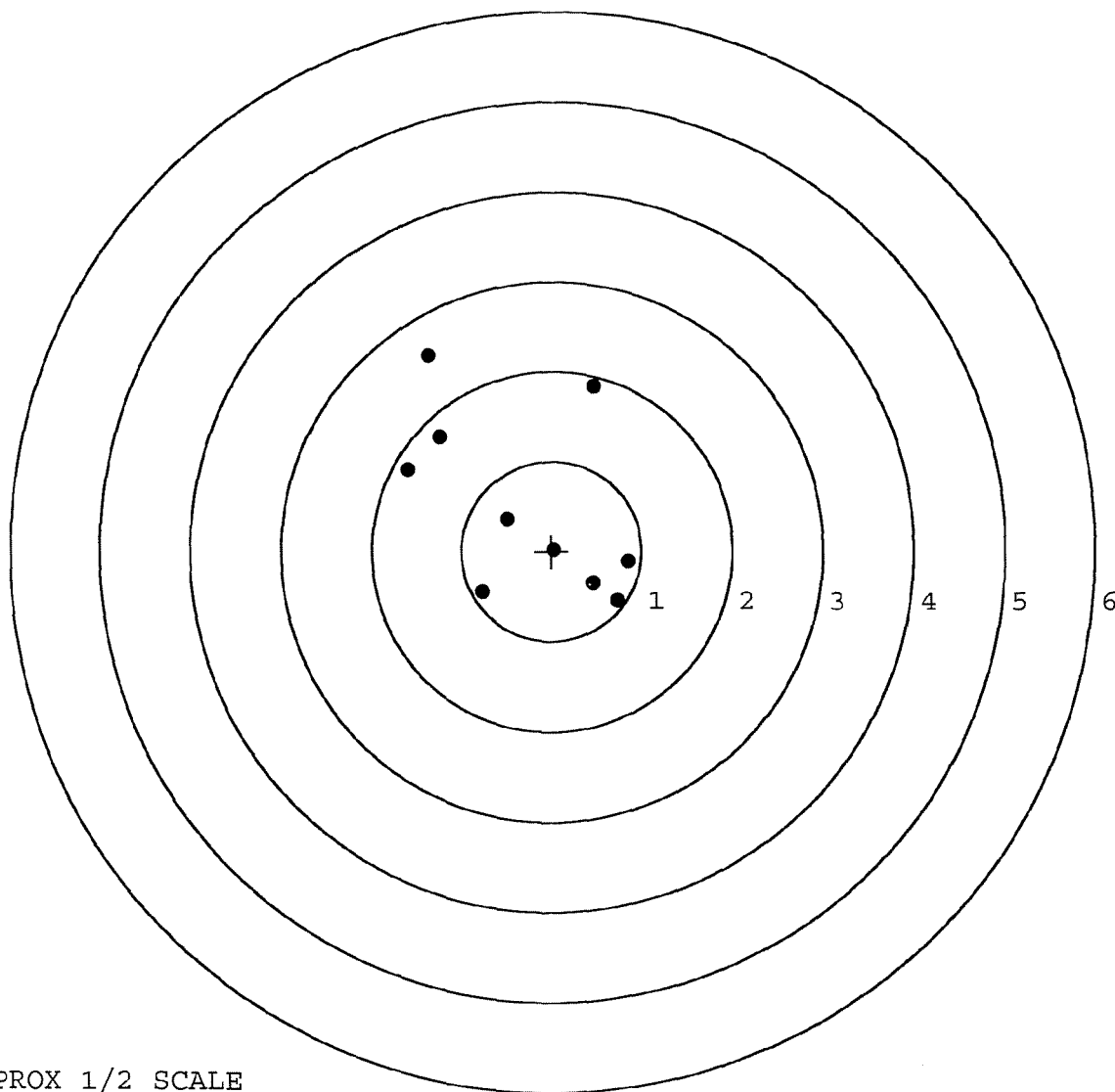
MEAN RADIUS: 1.197

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 2

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.351	-0.124
2:	0.735	-0.556
3:	0.473	-0.358
4:	0.028	0.016
5:	-0.497	0.357
6:	-0.764	-0.456
7:	0.464	1.836
8:	-1.240	1.273
9:	-1.605	0.912
10:	-1.375	2.179



TARGET APPROX 1/2 SCALE

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

DA FORM 2404, APR 79 Replaces edition of 1 Jan 64, which will be used USAPPC V1.10

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO.

DATE 10-23-04

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.56	2.40		2.08	
PULL #2	2.23	2.61		2.30	
PULL #3	2.37	2.36		2.31	
PULL #4	2.41	2.33		2.38	
PULL #5	2.20	2.20		2.34	
TOTAL	11.77	11.90		11.41	
AVERAGE	2.35	2.38		2.28	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.04		
PULL #2	3.18	3.07		
PULL #3	3.30	2.98		
PULL #4	3.19	2.99		
PULL #5	3.22	3.06		
TOTAL	16.08	15.14		
AVERAGE	3.21	3.02		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.22	4.18		4.13
PULL #2	4.25	4.14		4.14
PULL #3	4.19	4.10		4.14
PULL #4	4.27	4.09		4.16
PULL #5	4.28	4.15		4.07
TOTAL	21.21	20.66		20.64
AVERAGE	4.24	4.13		4.12

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

R & E NUMBER	85640		
SERIAL NUMBER	E6379125		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-7-04	AC
560 A	RE-BARREL	10-8-04	AC
B	DRILL AND TAP	10-12-04	TRL
575	ASSEMBLE	10-8-04	RTL
600	PROOF	10-11-04	AC
605	CHECK HEADSPACE	10-12-04	RTL
610	DIS-ASSEMBLE GUN	10-12-04	RTL
612	MAGNAFLUX	10-13-04	CD
615	ROLLMARK CALIBER	10/14/04	LB
618	ROTO-BLAST	10/25/04	HP
620	APPLY COATINGS	10-28-04	RTL
625 A	FINAL ASSEMBLY	11-8-04	RTL
B	TRIGGER PULL TEST	11-8-04	RTL
C	SAFETY "ON" FORCE	11-8-04	RTL
D	SAFETY "OFF" FORCE	11-8-04	RTL
E	FIRING PIN INDENT		
640	TARGET	11-5-04	TRL
655	FINAL INSPECT	11-8-04	RTL
660	PACK	11-8-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington® **DUPONT** REG. U.S. PAT. & TM. OFF.

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

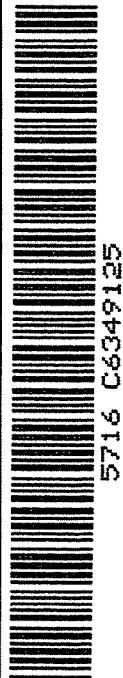
MODEL 700™ H24

SERIAL NO.
C6349125

ORDER NO.
5716

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

Ø1



5716 C6349125

UPC



0 47700 25716 7

LIGHT ROW MARK

7, 62 NATO

Revolving

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349/25

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12 90		RW
600	Proof	4 12 90		K
607	Check Headspace	4 12 90		K
610	Dis-assemble Gun	4 12 90		RW
612	Magnaflux Barrel Action	4-19-90		KCR
	Magnaflux Bolt	4-19-90		KCR
615	Rollmark Caliber	4-19-90		S.A.
617	Drill and Tap Sight Holes		4/23/90	KB
618	Polish Barrel RB		4/24/90	WB
620	Apply Coatings (Barrel Action)		4/30/90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/1/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/90	RW
	C) Inspect Ejector Hole for Chamfer		5/1/90	RW
	D) Oil Firing Pin Ass'y		5/1/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/14/90	YH

CL349125							DATE	INIT
op. #	OP. NAME	READINGS						
625 cont.	F) Safety On Force	4	4	4			5/15/90	gll
	G) Safety Off Force	3	3	3			5/15/90	gll
	H) Trigger Pull Test & Retainability						5/14/90	gll
	I) Firing Pin Indent	.0235	.0235	.0235			5/15/90	gll
	J) Assemble Stock						5/16/90	Rw
	K) Assemble Swivel Studs						5/17/90	WB
	L) Attach Front and Rear Sight Assemblies						5/16/90	Rw
	M) Iron Sight Alignment						5/16/90	Rw
	N) Detach Front & Rear Sights & place in numbered container						5/16/90	Rw
	O) Attach Scope to Rifle						5/16/90	gll
	P) Detach & Attach Scope 20 Times						5/16/90	gll
640	Gallery Target & Test						5-16-90	AC
	A) Time						5-16-90	AC
	B) Malfunctions						5-16-90	AC
	C) Pierced Primers						5-16-90	AC
	D) Optical Clarity of Scope						5-16-90	AC
645	Inspect for Live Ammo						5-16-90	AC
655	Final Inspection						5/17/90	WB
	A) Headspace							
	B) Trigger Pull	2.73	2.69	2.79	2.79	2.80	5/17/90	WB
	C) Function						5/17/90	WB
660	Pack						9/19/90	AF

QA - Rejected - Light Rollmark - Replace gun in lot -
Office 6/1/87/90

SWS TRIGGER PULL TEST

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

SERIAL NO. C6349125

DATE 5/14/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.51	2.27	2.73	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.48	2.21	2.69	
PULL #3	2.22	2.49	2.38	2.79	
PULL #4	2.15	2.21	2.16	2.79	
PULL #5	2.18	2.33	2.24	2.80	
TOTAL	11.21	12.02	11.26		
AVG.	2.242	2.404	2.252		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.41		
PULL #2	3.35	3.22		
PULL #3	3.18	3.38		
PULL #4	3.33	3.42		
PULL #5	3.36	3.40		
TOTAL	16.57	16.83		
AVG.	3.314	3.366		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.38		4.41
PULL #2	4.28	4.17		4.23
PULL #3	4.24	4.04		4.25
PULL #4	4.22	4.19		4.27
PULL #5	4.20	4.33		4.27
TOTAL	21.17	21.11		21.53
AVG.	4.234	4.222		4.306

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349125
17 May 1990

CENTROIDAL DISTANCES

0 TO	1	.422985
1 TO	2	.0714703
1 TO	3	.59586
1 TO	4	.398979
1 TO	5	.366836

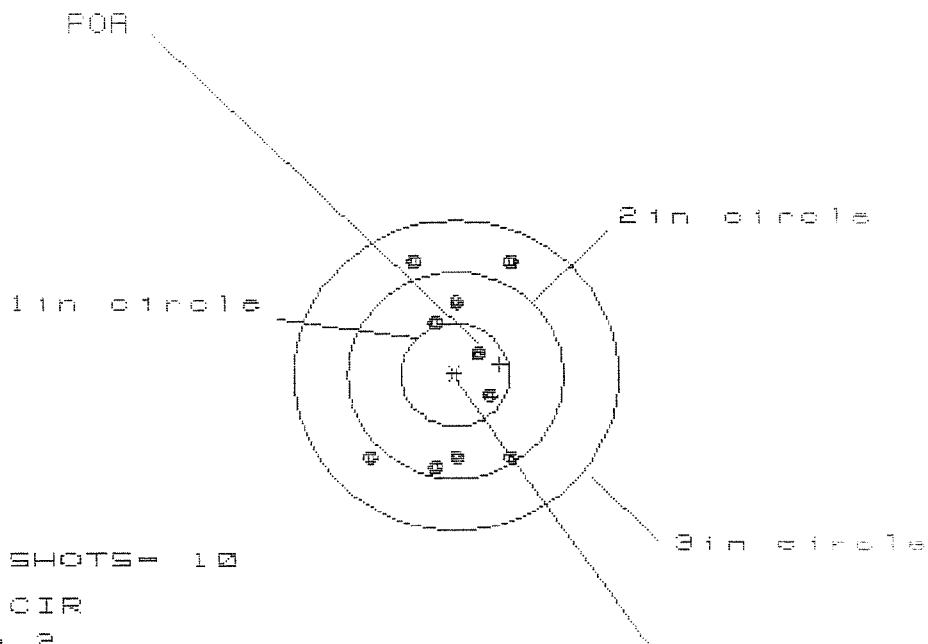
g₀ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1424
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0012
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .143969
THE AMR FOR THIS RIFLE IS: .8848

17 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349125

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.252

VS= 2.030

ES= 2.299

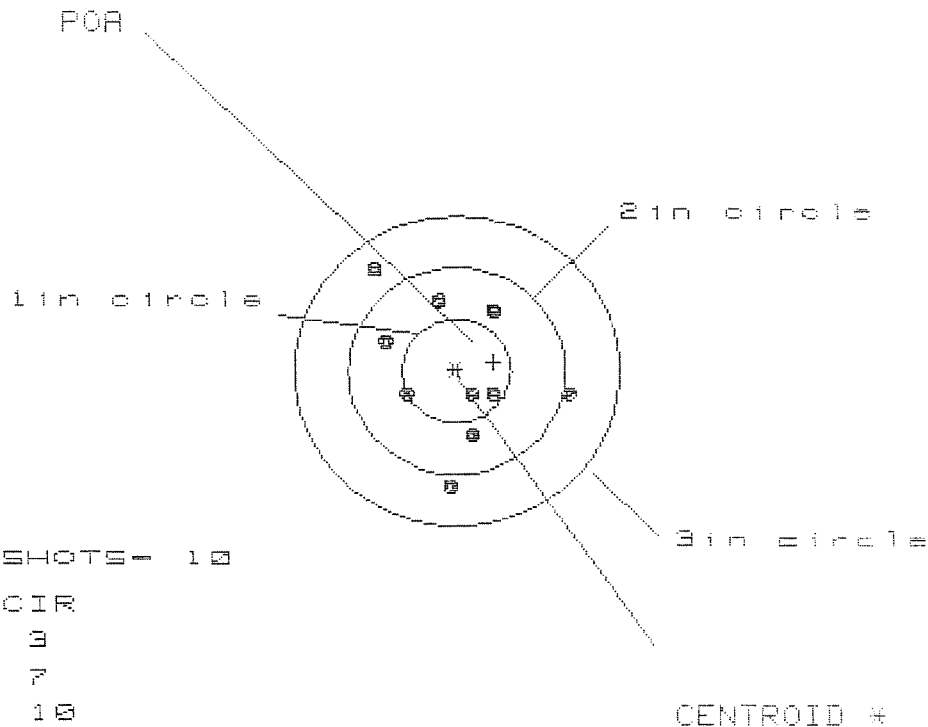
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.491	.544	.564
MINIMUM X	-.771	-.718	-.758
MAXIMUM Y	1.115	1.191	.929
MINIMUM Y	-.914	-.791	-.642
CENTROID X	-.410	-.463	-.423
CENTROID Y	-.104	-.228	-.377
FOR TO CENTROID in.	.423	.517	.567
MIN RADIUS	.326	.354	.308
MEAN RADIUS	.804	.760	.684
MAX RADIUS	1.213	1.234	.932
HORIZONTAL SPREAD	1.262	1.262	1.262
VERTICAL SPREAD	2.030	1.982	1.571
EXTREME SPREAD	2.299	2.063	1.655
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

17 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8349125

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 1.812

VS= 2.057

GS= 2.188

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.022	.934	.918
MINIMUM X	:	-.790	-.774	-.790
MAXIMUM Y	:	.953	.784	.659
MINIMUM Y	:	-1.104	-.998	-.600
CENTROID X	:	-.342	-.254	-.238
CENTROID Y	:	-.082	-.188	-.063
POA TO CENTROID in.	:	.352	.316	.247
MIN RADIUS	:	.237	.102	.219
MEAN RADIUS	:	.729	.647	.611
MAX RADIUS	:	1.238	1.006	.955
HORIZONTAL SPREAD	:	1.812	1.708	1.708
VERTICAL SPREAD	:	2.057	1.782	1.289
EXTREME SPREAD	:	2.188	1.800	1.800
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

17 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349125

CENTERFIRE PATTERNS

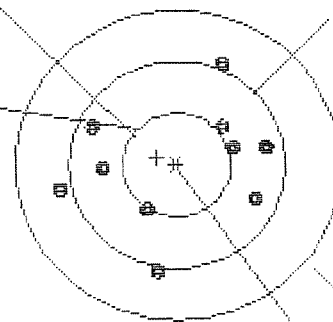
3

POA

1 in circle

2 in circle

3 in circle



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 7

3 in = 10

HS= 1.890

VS= 2.014

GS= 2.128

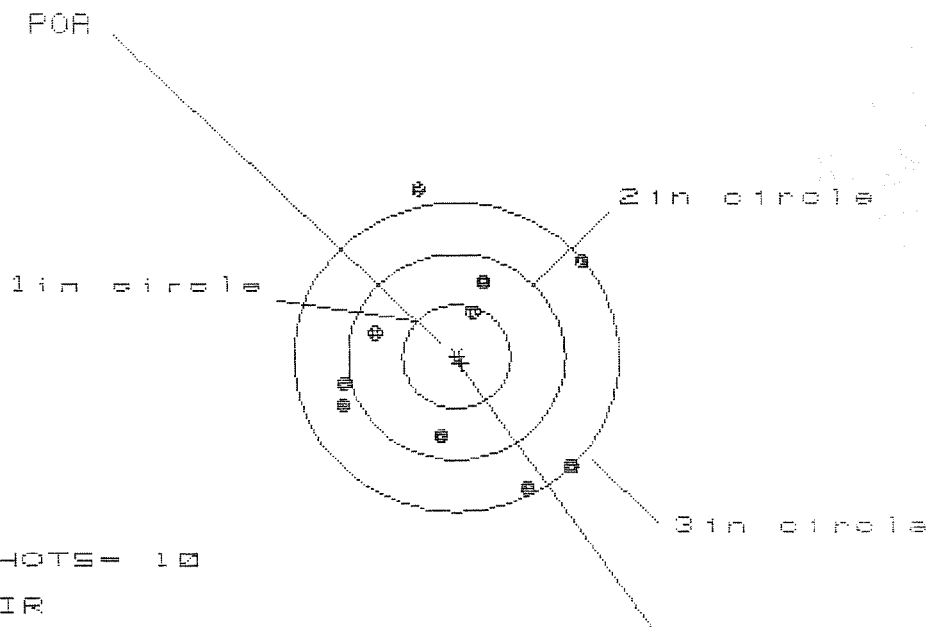
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.831	.882	.756
MINIMUM X	:	-1.059	-1.008	-.835
MAXIMUM Y	:	.974	.495	.485
MINIMUM Y	:	-1.041	-.932	-.942
CENTROID X	:	.185	.134	.260
CENTROID Y	:	-.072	-.180	-.170
POA TO CENTROID in.	:	.198	.224	.310
MIN RADIUS	:	.534	.418	.513
MEAN RADIUS	:	.869	.773	.732
MAX RADIUS	:	1.076	1.011	.990
HORIZONTAL SPREAD	:	1.890	1.890	1.592
VERTICAL SPREAD	:	2.014	1.427	1.427
EXTREME SPREAD	:	2.128	1.919	1.642
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

17 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349125

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 2.167

VS = 2.932

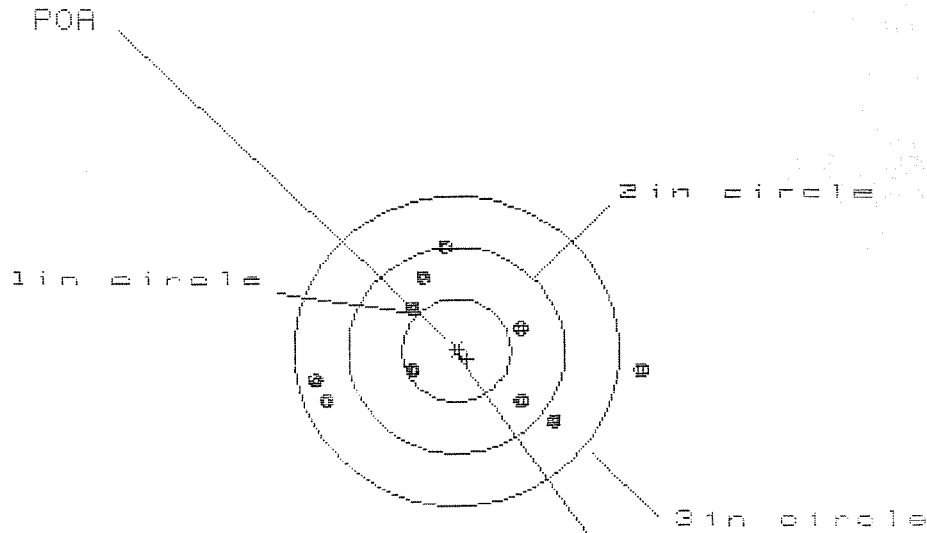
GS = 3.093

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.128	1.092	1.213
MINIMUM X	:	-1.039	-1.075	-.954
MAXIMUM Y	:	1.639	1.067	.953
MINIMUM Y	:	-1.293	-1.111	-1.225
CENTROID X	:	-.050	-.014	-.135
CENTROID Y	:	.068	-.114	-.000
POA TO CENTROID in.	:	.084	.115	.135
MIN RADIUS	:	.482	.637	.581
MEAN RADIUS	:	1.107	1.044	.992
MAX RADIUS	:	1.670	1.527	1.542
HORIZONTAL SPREAD	:	2.167	2.167	2.167
VERTICAL SPREAD	:	2.932	2.178	2.178
EXTREME SPREAD	:	3.093	2.525	2.525
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

17 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06849125

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 4

HS= 3.036

VS= 1.665

GS= 3.038

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.699	1.078	.935
MINIMUM X	-1.337	-1.148	-1.169
MAXIMUM Y	.990	.971	.933
MINIMUM Y	-.675	-.694	-.732
CENTROID X	-.095	-.284	-.141
CENTROID Y	.084	.103	.141
POA TO CENTROID in.	.127	.302	.199
MIN RADIUS	.488	.344	.470
MEAN RADIUS	.975	.871	.828
MAX RADIUS	1.708	1.282	1.287
HORIZONTAL SPREAD	3.036	2.226	2.104
VERTICAL SPREAD	1.665	1.665	1.665
EXTREME SPREAD	3.038	2.260	2.113
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	