

05346955

MODEL 700TM M24

Model **SMS** TM

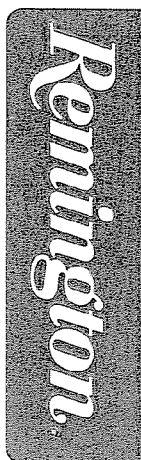
Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.





RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:

618 - COST IMPROVEMENT-Weekly Savings,

Monthly Summaries - 1981

COPY "O" (OFFICIAL) ☐ "X" (EXTRA) ☒

TOTAL RETENTION: MAX. 3 YEARS

1981 - 1984

GS-11050 Rev. 8/78

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400042559

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: **RE00082550** Serial: C6348955 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 7/6/2004 10:35:04 AM

Verify Repair

Address Information

Customer: ☐ Received From: ☒ Return To: ☐ Received From: ☐

Name: **HHC 1 18 INF** **HHC 1 18 INF**

Address 1: **FOB OMAHA** **FOB OMAHA**

Address 2: **TIKRIT IRAQ** **TIKRIT IRAQ** PO Box: **PO Box**

City: **APO AE** **APO AE**

State: **NJ** Zip Code: **09392** Country: **US** State: **NJ** Zip Code: **09392** 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
A026	Scope	1
A042	Adjustable Butt Pad	1
A045	Bi Pad	1

Repair Search **Refresh** **Close**

inagletj 7/6/2004 10:38 AM CAPS NUM INS SCPL

start 2 3

15/12
95/1923

Serial Number: **C6348955**

Model: **M24 SWS**



RE00082550

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348955.__0

FILE DATE AND TIME: 07/14/2004 06:06

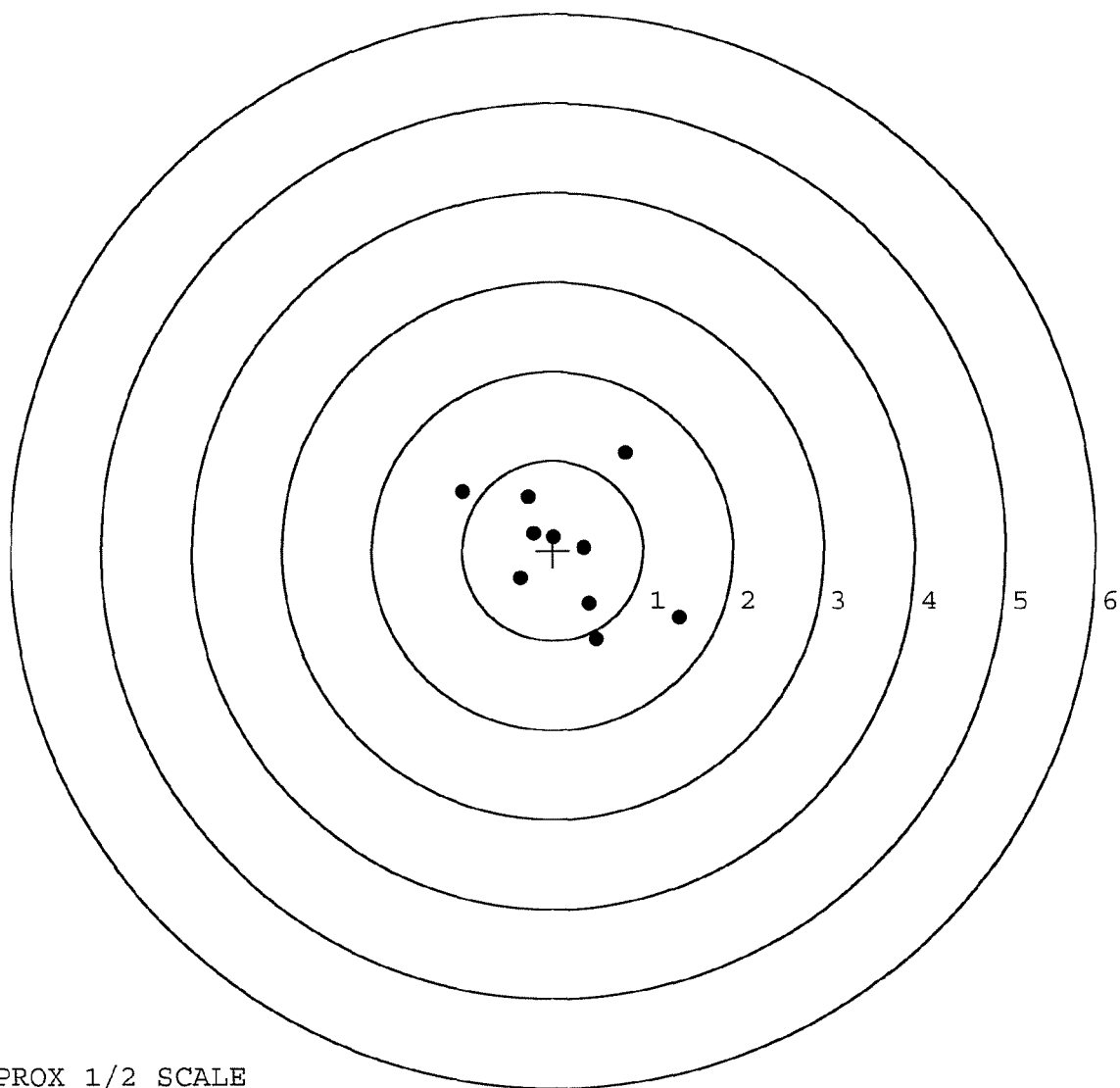
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.171
The Average Y Centroid of the Five Target Set:	-0.132
The Average Point of Impact of the Five Target Set:	0.216
The Average Mean Radius of the Five Target Set:	0.920
The Distance from POA to Centroid Target #1:	0.160
The Distance from Centroid Target #2 to Centroid Target #1:	0.200
The Distance from Centroid Target #3 to Centroid Target #1:	0.316
The Distance from Centroid Target #4 to Centroid Target #1:	0.253
The Distance from Centroid Target #5 to Centroid Target #1:	0.312

SERIAL NUMBER: C6348955.___0
TARGET NUMBER: 1
FILE DATE: 07/14/2004
FILE TIME: 06:06

X CENTROID: 0.160
Y CENTROID: 0.009
POA TO CENTROID: 0.160
HORZ SPREAD: 2.401
VERT SPREAD: 2.078
GROUP SPREAD: 2.780
MIN RADIUS: 0.183
MAX RADIUS: 1.452
MEAN RADIUS: 0.788
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.402	-0.743
2:	0.481	-0.989
3:	0.402	-0.587
4:	0.811	1.089
5:	0.341	0.037
6:	0.007	0.152
7:	-0.354	-0.313
8:	-0.272	0.594
9:	-0.999	0.658
10:	-0.218	0.192

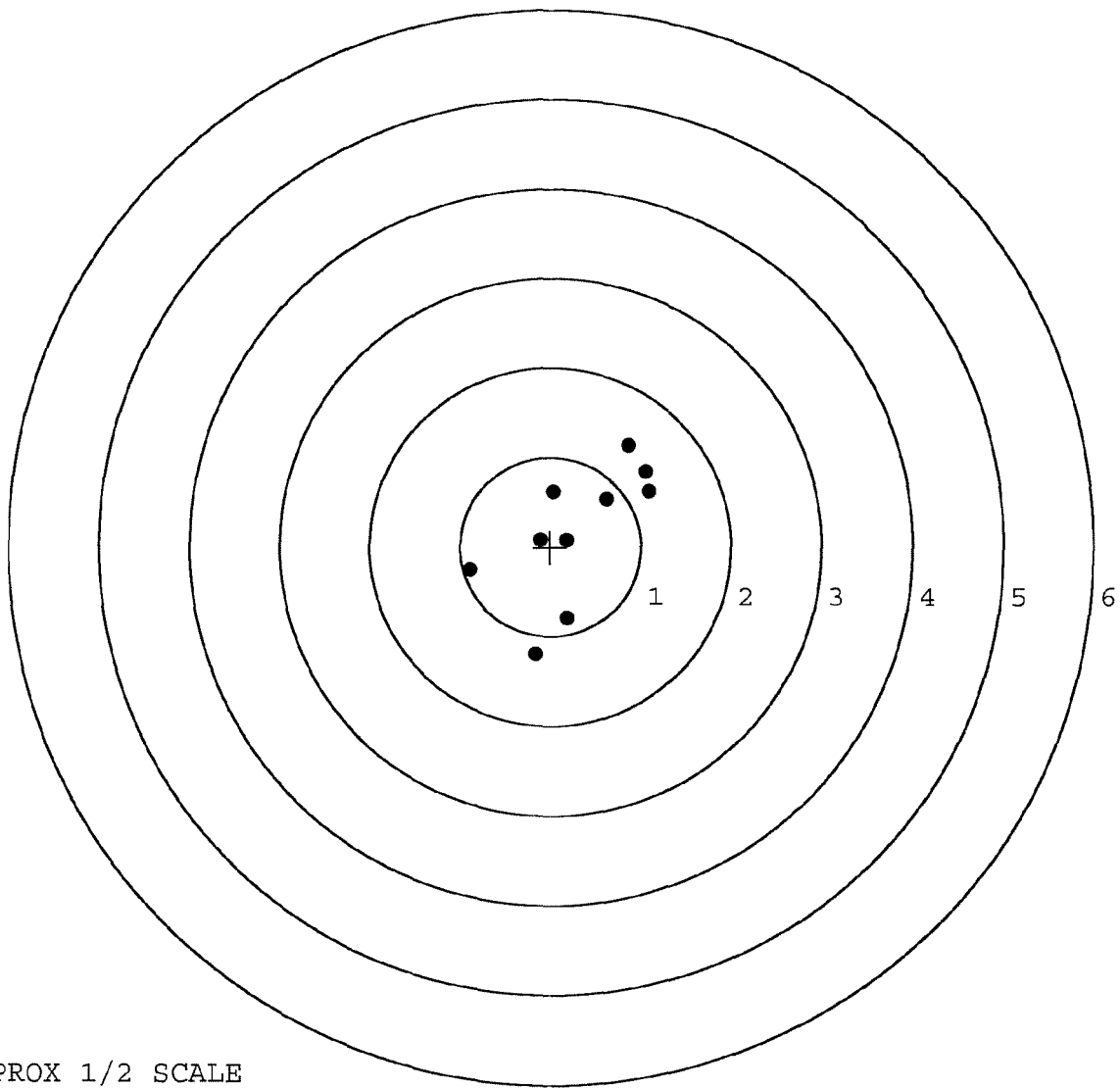


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348955. __0
TARGET NUMBER: 2
FILE DATE: 07/14/2004
FILE TIME: 06:06

POINT#	X	Y
1:	0.190	-0.806
2:	-0.163	-1.210
3:	-0.889	-0.266
4:	-0.110	0.081
5:	0.182	0.077
6:	0.036	0.615
7:	0.622	0.535
8:	1.091	0.624
9:	1.047	0.843
10:	0.864	1.139

X CENTROID: 0.287
Y CENTROID: 0.163
POA TO CENTROID: 0.330
HORZ SPREAD: 1.980
VERT SPREAD: 2.349
GROUP SPREAD: 2.564
MIN RADIUS: 0.136
MAX RADIUS: 1.445
MEAN RADIUS: 0.831
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348955. __0

TARGET NUMBER: 3

FILE DATE: 07/14/2004

FILE TIME: 06:06

POINT#	X	Y
--------	---	---

1:	1.182	-1.695
----	-------	--------

2:	0.534	-1.866
----	-------	--------

3:	0.278	-1.100
----	-------	--------

4:	-0.254	-0.727
----	--------	--------

5:	0.572	0.010
----	-------	-------

6:	0.337	0.246
----	-------	-------

7:	0.326	0.585
----	-------	-------

8:	-0.196	0.195
----	--------	-------

9:	-0.530	0.257
----	--------	-------

10:	-0.139	1.062
-----	--------	-------

X CENTROID: 0.211

Y CENTROID: -0.303

POA TO CENTROID: 0.369

HORZ SPREAD: 1.712

VERT SPREAD: 2.928

GROUP SPREAD: 3.057

MIN RADIUS: 0.478

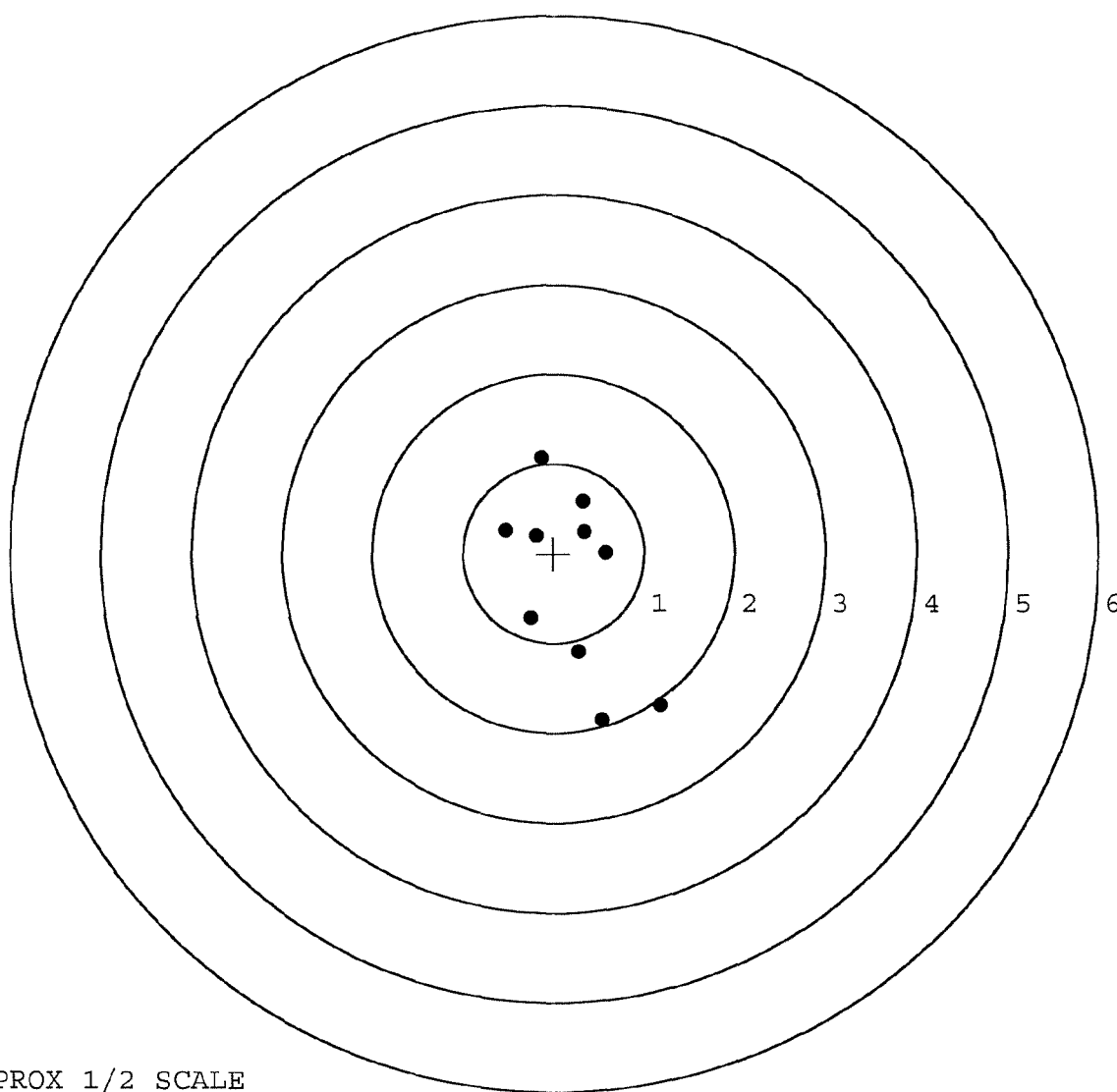
MAX RADIUS: 1.697

MEAN RADIUS: 0.964

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8

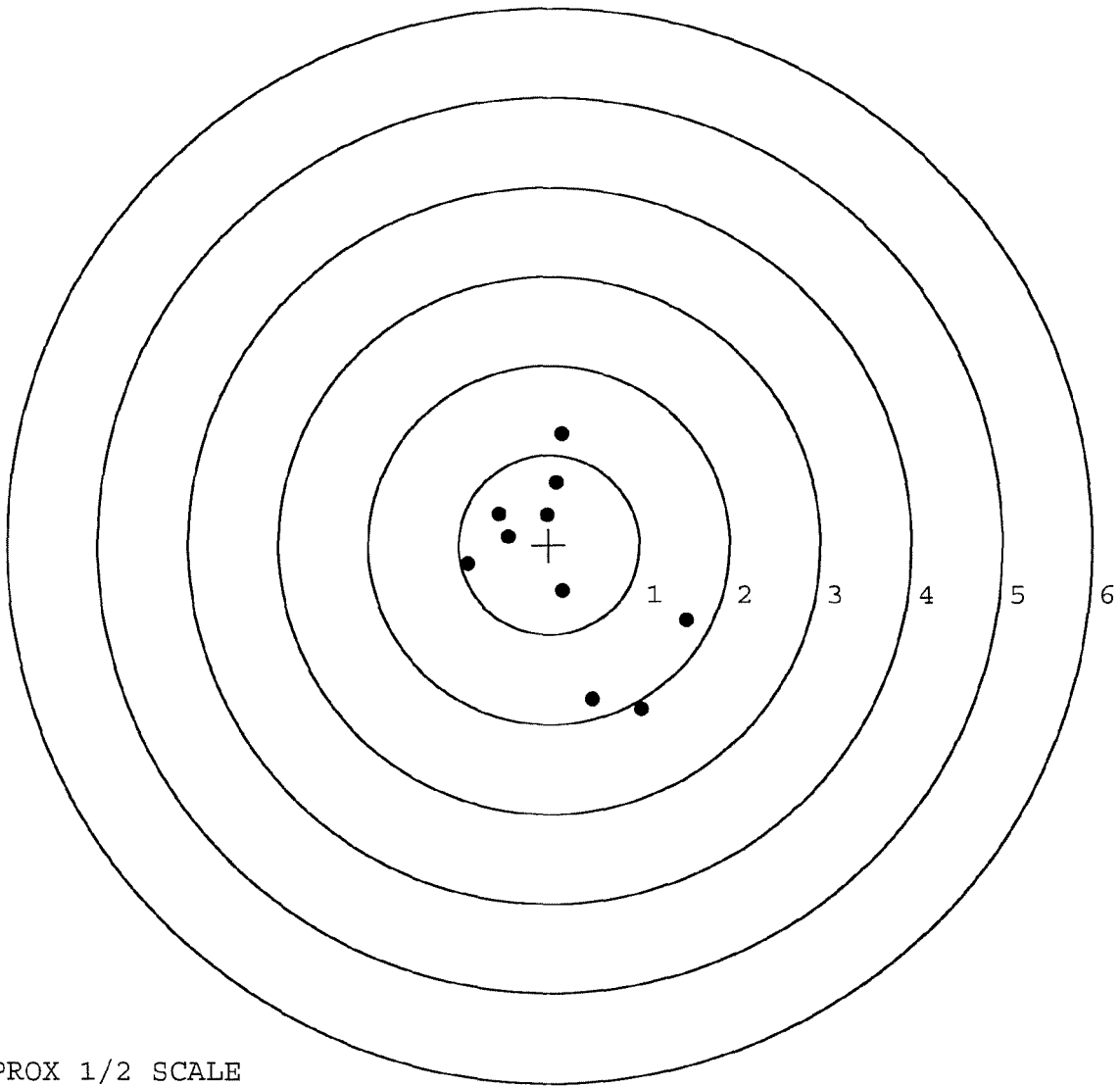


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348955. __0
TARGET NUMBER: 4
FILE DATE: 07/14/2004
FILE TIME: 06:06

X CENTROID: 0.148
Y CENTROID: -0.244
POA TO CENTROID: 0.285
HORZ SPREAD: 2.420
VERT SPREAD: 3.072
GROUP SPREAD: 3.196
MIN RADIUS: 0.274
MAX RADIUS: 1.818
MEAN RADIUS: 1.080
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.522	-0.841
2:	1.026	-1.835
3:	0.484	-1.729
4:	0.147	-0.518
5:	-0.898	-0.225
6:	-0.554	0.343
7:	-0.025	0.339
8:	0.081	0.699
9:	0.146	1.237
10:	-0.454	0.093

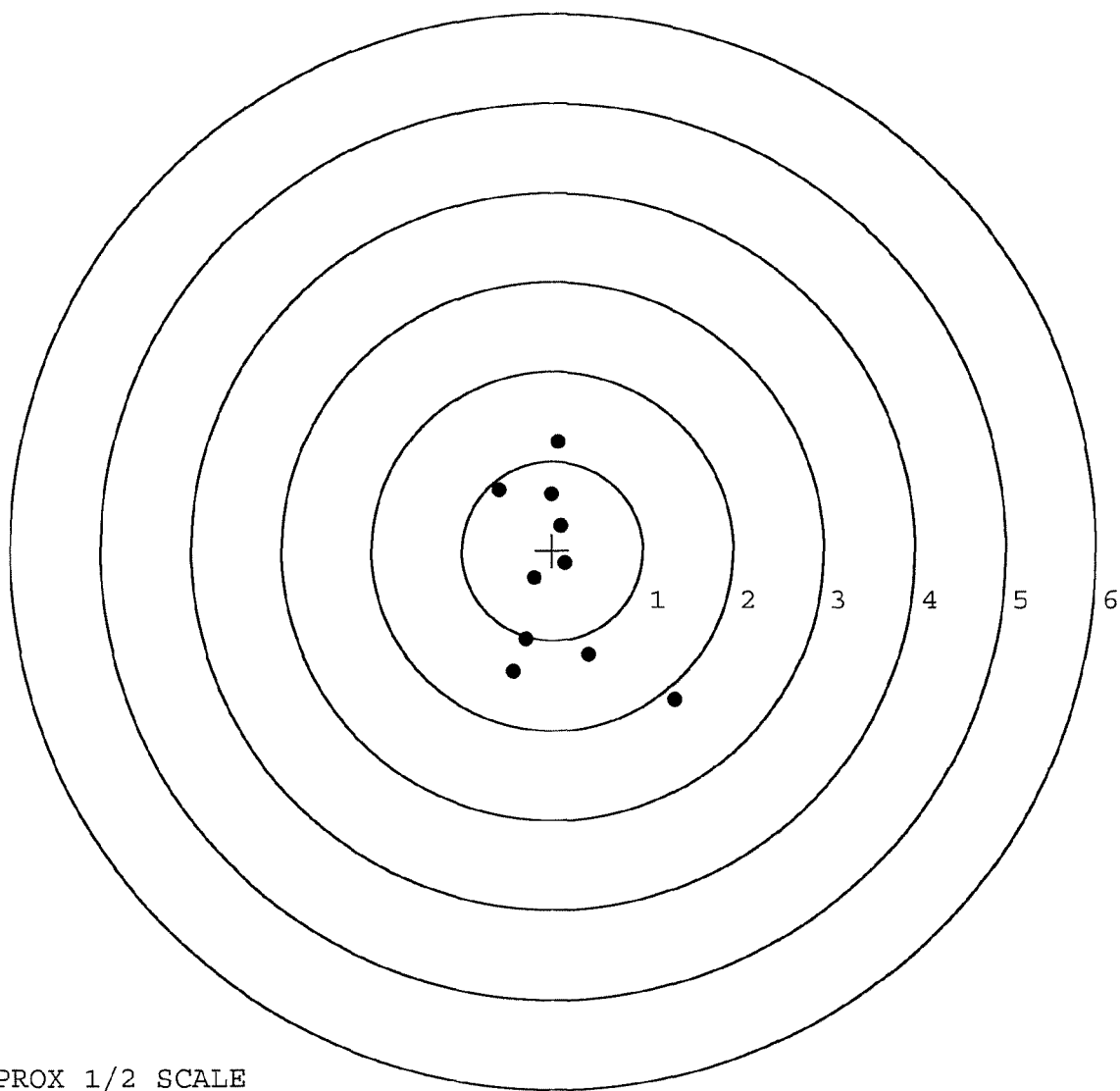


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348955. __0
TARGET NUMBER: 5
FILE DATE: 07/14/2004
FILE TIME: 06:06

POINT#	X	Y
1:	1.354	-1.666
2:	0.396	-1.166
3:	-0.299	-0.994
4:	-0.429	-1.356
5:	-0.204	-0.310
6:	0.141	-0.140
7:	0.095	0.278
8:	-0.013	0.630
9:	-0.593	0.675
10:	0.063	1.215

X CENTROID: 0.051
Y CENTROID: -0.283
POA TO CENTROID: 0.288
HORZ SPREAD: 1.947
VERT SPREAD: 2.881
GROUP SPREAD: 3.157
MIN RADIUS: 0.169
MAX RADIUS: 1.900
MEAN RADIUS: 0.937
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	82550		
SERIAL NUMBER	C6348955		
LOG-IN DATE	7-6-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7-6-04	RTZ
560 A	RE-BARREL	7-7-04	RTZ
B	DRILL AND TAP	7-7-04	RTZ
575	ASSEMBLE	7-7-04	RTZ
600	PROOF	7-7-04	RTZ
605	CHECK HEADSPACE	7-7-04	RTZ
610	DIS-ASSEMBLE GUN	7-7-04	RTZ
612	MAGNAFLUX	7-7-04	RTZ
615	ROLLMARK CALIBER	7-7-04	RTZ
618	ROTO-BLAST	7-7-2004	RTZ
620	APPLY COATINGS	7-13	RTZ
625 A	FINAL ASSEMBLY	7-13-04	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	7-14-04	RTZ
655	FINAL INSPECT	7-19-04	RTZ
660	PACK	7-20-04	RTZ
		SHIP DATE	
QAR INSPECTION DATE			



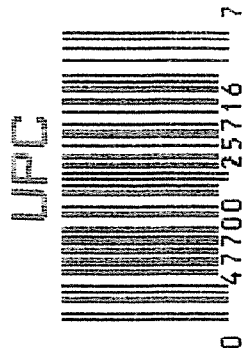
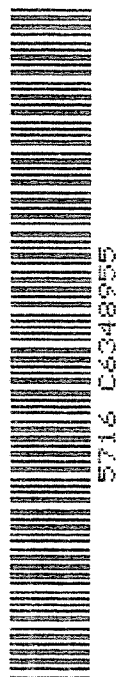

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™
H24

SERIAL NO.
C6348955

ORDER NO.
5716

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348955

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	A
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action		11/2/89	KCR
	Magnaflux Bolt		11/2/89	KCR
615	Rollmark Caliber		11/2/89	G.S.
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/4/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/4/89	RW
	C) Inspect Ejector Hole for Chamfer		11/4/89	RW
	D) Oil Firing Pin Ass'y		11/4/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		7 Nov 89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			11-7-89	
	G) Safety Off Force	3	3	3			11-7-89	
	H) Trigger Pull Test & Retainability						7/10/89	928
	I) Firing Pin Indent	.020	.0205	.0205			11-7-89	94
	J) Assemble Stock						11/7/89	RW
	K) Assemble Swivel Studs						13/10/89	928
	L) Attach Front and Rear Sight Assemblies						11/7/89	RW
	M) Iron Sight Alignment						11/7/89	RW
	N) Detach Front & Rear Sights & place in numbered container						11/7/89	RW
	O) Attach Scope to Rifle						11-7-89	94
	P) Detach & Attach Scope 20 Times						11-7-89	94
640	Gallery Target & Test						11-9-89	DH
	A) Time						11-9-89	DH
	B) Malfunctions						11-9-89	DH
	C) Pierced Primers						11-9-89	DH
	D) Optical Clarity of Scope						11-9-89	DH
645	Inspect for Live Ammo						11-9-89	DH
655	Final Inspection							
	A) Headspace						13/10/89	928
	B) Trigger Pull	2.71	2.57	2.54	2.62	2.68	13/10/89	928
	C) Function						13/10/89	928
660	Pack						14/10/89	921

SWS TRIGGER PULL TEST

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

SERIAL NO. C6348953

DATE 10 MAR 90

TESTER RS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	242	229	247	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	245	219	251	
PULL #3	239	233	251	
PULL #4	228	245	250	
PULL #5	251	242	236	
TOTAL	1205	1166	1235	
AVG.	241	2332	251	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	325	318	
PULL #2	329	325	
PULL #3	333	323	
PULL #4	329	325	
PULL #5	310	327	
TOTAL	1626	1618	
AVG.	3252	3236	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	415	400		
PULL #2	409	403		
PULL #3	419	403		
PULL #4	415	409		
PULL #5	413	406		
TOTAL	2071	2021		
AVG.	4142	4042		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348955
10 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.411709
1 TO	2	.561965
1 TO	3	.536594
1 TO	4	.226736
1 TO	5	.487649

5
3.41 <----POA
2

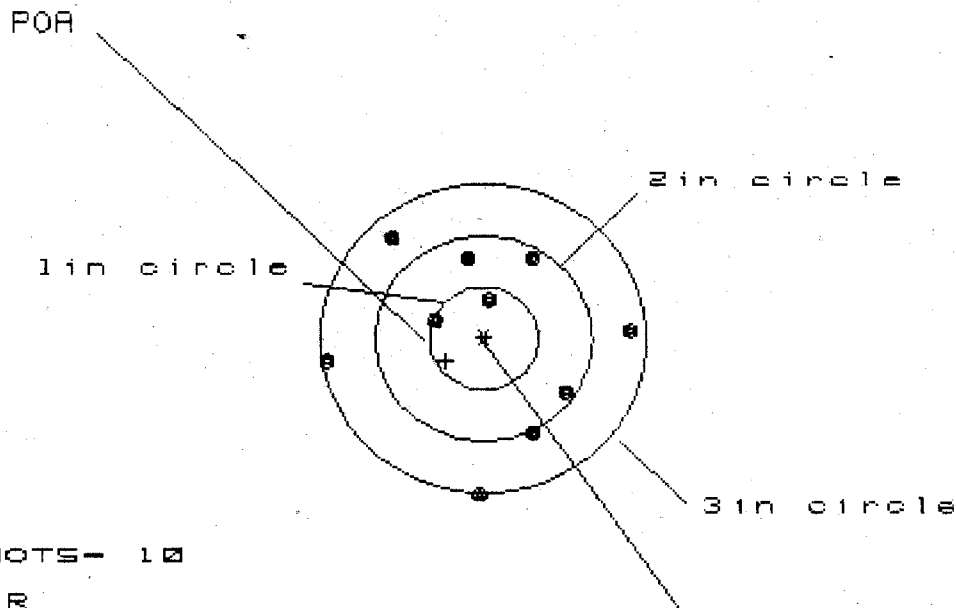
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0798
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2428
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .255578

THE AMR FOR THIS RIFLE IS: 1.06

10 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B955

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in - 2

2in - 5

3in = 10

HS- 2.743

VS= 2.436

GS= 2.759

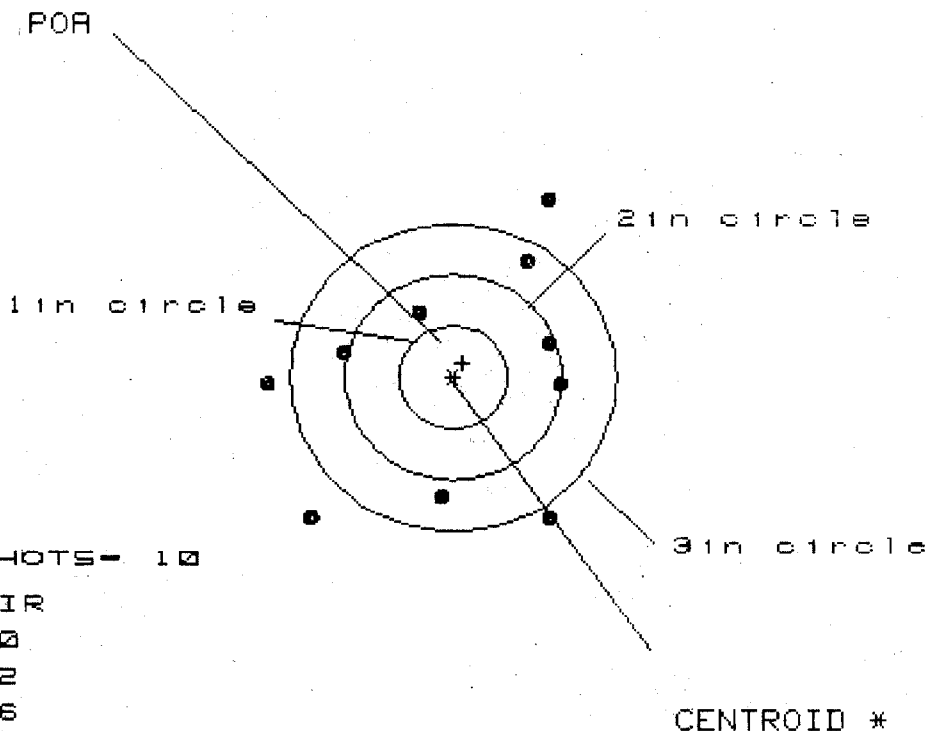
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.307	1.296	1.115
MINIMUM X	:	-1.436	-1.447	-1.063
MAXIMUM Y	:	.943	.777	.735
MINIMUM Y	:	-1.493	-1.116	-1.159
CENTROID X	:	.348	.359	.540
CENTROID Y	:	.220	.386	.428
POA TO CENTROID in.	:	.412	.527	.689
MIN RADIUS	:	.428	.263	.246
MEAN RADIUS	:	1.012	.922	.839
MAX RADIUS	:	1.496	1.487	1.292
HORIZONTAL SPREAD	:	2.743	2.743	2.178
VERTICAL SPREAD	:	2.436	1.893	1.397
EXTREME SPREAD	:	2.759	2.759	2.536
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

18 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348955

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 2

3 in = 6

HS= 2.683

VS= 3.147

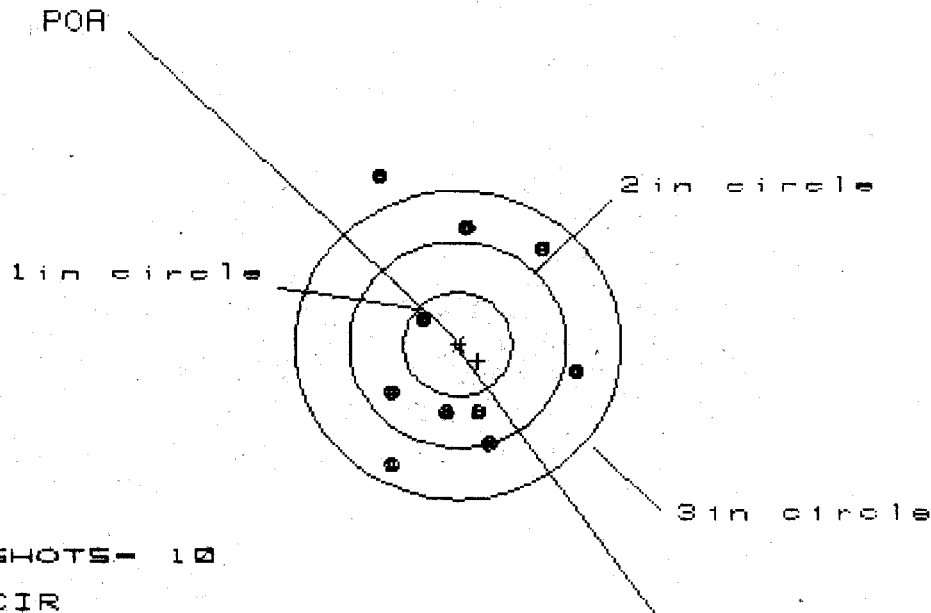
GS= 3.859

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.017	1.117	.963
MINIMUM X	-1.666	-1.566	-1.720
MAXIMUM Y	1.741	1.320	1.169
MINIMUM Y	-1.406	-1.213	-1.273
CENTROID X	-.086	-.186	-.032
CENTROID Y	-.137	-.330	-.179
POR TO CENTROID in.	.162	.379	.182
MIN RADIUS	.690	.824	.754
MEAN RADIUS	1.336	1.267	1.183
MAX RADIUS	1.960	1.729	1.720
HORIZONTAL SPREAD	2.683	2.683	2.683
VERTICAL SPREAD	3.147	2.533	2.442
EXTREME SPREAD	3.859	3.235	2.867
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		2	
NUMBER IN THREE INCH CIRCLE =		6	

18 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348955

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 1.808

VS= 2.759

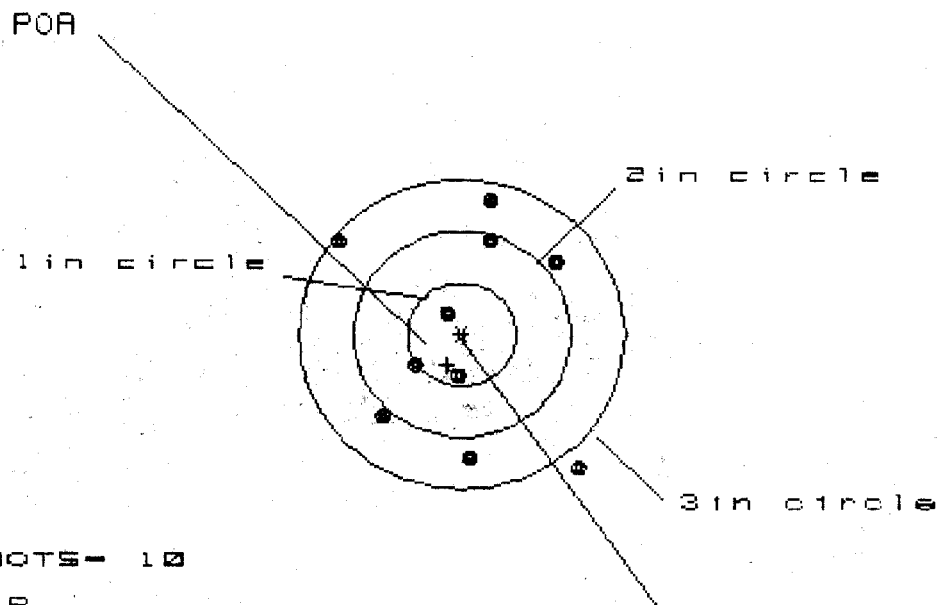
GS= 2.760

PATTERN #			
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.131	1.055	.972
MINIMUM X	-.678	-.714	-.797
MAXIMUM Y	1.619	1.363	1.242
MINIMUM Y	-1.140	-.960	-.851
CENTROID X	-.185	-.109	-.026
CENTROID Y	.158	-.022	.098
POA TO CENTROID (in.)	.243	.111	.102
MIN RADIUS	.462	.450	.558
MEAN RADIUS	1.007	.889	.871
MAX RADIUS	1.755	1.363	1.248
HORIZONTAL SPREAD	1.809	1.769	1.769
VERTICAL SPREAD	2.759	2.323	2.094
EXTREME SPREAD	2.760	2.473	2.106
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

18 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B955

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 4

3 in - 8

HS- 2.164

VS- 2.553

GS- 3.082

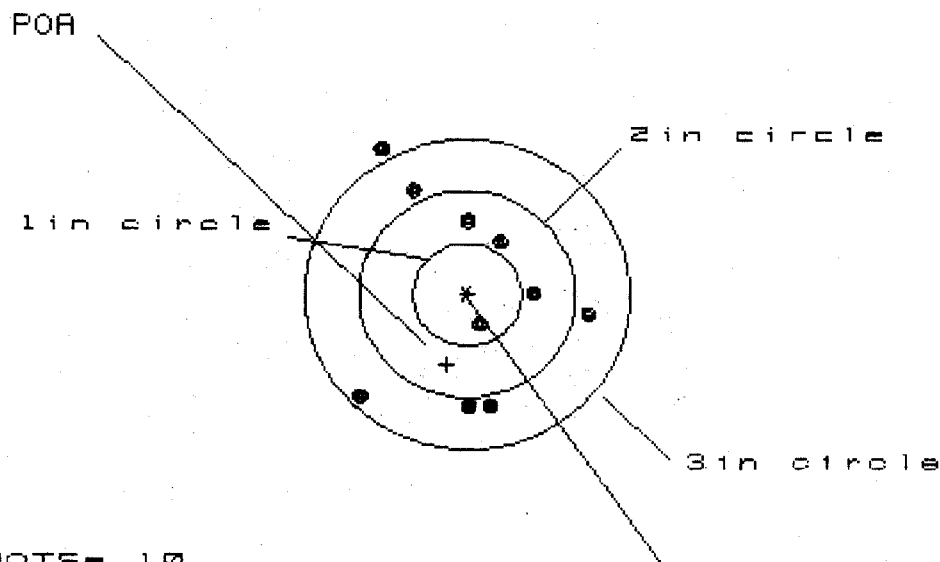
CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.032	1.000	.873
MINIMUM X	-1.132	-1.017	-.779
MAXIMUM Y	1.277	1.135	1.232
MINIMUM Y	-1.276	-1.372	-1.275
CENTROID X	.133	.018	.145
CENTROID Y	.292	.434	.337
POA TO CENTROID in.	.321	.435	.367
MIN RADIUS	.241	.068	.225
MEAN RADIUS	.984	.892	.845
MAX RADIUS	1.642	1.385	1.277
HORIZONTAL SPREAD	2.164	2.017	1.652
VERTICAL SPREAD	2.553	2.507	2.507
EXTREME SPREAD	3.082	2.514	2.514
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

18 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B955

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 4

3 in - 9

HS- 2.079

VS- 2.492

GS- 2.673

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.105	1.013	.880
MINIMUM X	:	-.974	-1.066	-.665
MAXIMUM Y	:	1.421	1.151	1.042
MINIMUM Y	:	-1.071	-.913	-1.022
CENTROID X	:	.189	.282	.415
CENTROID Y	:	.681	.523	.632
POA TO CENTROID in.	:	.707	.594	.756
MIN RADIUS	:	.262	.096	.254
MEAN RADIUS	:	.959	.854	.773
MAX RADIUS	:	1.646	1.375	1.236
HORIZONTAL SPREAD	:	2.079	2.079	1.545
VERTICAL SPREAD	:	2.492	2.064	2.064
EXTREME SPREAD	:	2.673	2.230	2.137
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	