

C6611785

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400035986

[illegible]

UPC



0 "47700" 25716" 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611785

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/22/91	KS
600	Proof		1/22/91	KS
607	Check Headspace		1/22/91	KS
610	Dis-assemble Gun		1/22/91	KS
612	Magnaflux Barrel Action		1/24/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes	2 2	91	LB
618	Polish Barrel <i>UAB</i>	2 2	91	WB
620	Apply Coatings (Barrel Action)		2-11-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/18/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/18/91	KA
	C) Inspect Ejector Hole for Chamfer		2/18/91	KA
	D) Oil Firing Pin Ass'y		2/18/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2/20/91	KA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			2/20/91	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			2/20/91	WB
	H) Trigger Pull Test & Retainability						2/20/91	RI
	I) Firing Pin Indent	.020	.0205	.0205			2/20/91	WB
	J) Assemble Stock						2/20/91	KJ
	K) Assemble Swivel Studs						2-25-91	AC
	L) Attach Front and Rear Sight Assemblies						2/20/91	KJ
	M) Iron Sight Alignment						2/20/91	KJ
	N) Detach Front & Rear Sights & place in numbered container						2/20/91	KJ
	O) Attach Scope to Rifle						2/20/91	KJ
	P) Detach & Attach Scope 20 Times						2/20/91	KJ
640	Gallery Target & Test						2-22-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						2-22-91	AF
655	Final Inspection						2-25-91	AC
	A) Headspace							
	B) Trigger Pull	2.31	2.53	2.56	2.33	2.40	2/25/91	JJ
	C) Function						2-25-91	AC
660	Pack						2/14/91	WB

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: **RE00081977** Serial: C6611785 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: New 6/15/2004 3:01:10 PM

Address Information

Customer: Received From: Return To: Received From:

Name: **W33NYN DOL SSF SARSSI** **W33NYN DOL SSF SARSSI**

Address 1: **1624 WEST 6TH BLDG 2916** **1624 WEST 6TH BLDG 2916**

Address 2: **PO Box:** **PO Box:**

City: **FORT STEWART** **FORT STEWART**

State: **GA** Zip Code: **31314** Country: **US** State: **GA** Zip Code: **31314** 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 Stud	3
A008	With Swivel	1
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A042	Adjustable Butt Pad	1
C000	Fit and Rear Sights	1

Repair Search Refresh Close

neglet 6/15/2004 3:07 PM CAPS NUM INS SCRL

start 2 3 2

Serial Number: **C6611785**

Model: **M24 SWS**



RE00081977

MAINTENANCE REQUEST For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG				PAGE NO	NO OF PAGES	REQUIREMENT CONTROL SYMBOL CSGLD-1047(R1)
SECTION I - CUSTOMER DATA				SECTION II - MAINTENANCE ACTIVITY DATA		
1a. UIC CUSTOMER <i>DA R E T O</i>	1b. CUSTOMER UNIT NAME <i>HHC 3-15</i>	1c. PHONE NO <i>912-767-7512</i>	3a. WORK ORDER NUMBER (WON)		3b. SHOP	3c. PHONE NO
2a. SAMS-2 UIC/SAMS-1/TDA	2b. UTILIZATION CODE	2c. MCSR	4a. UIC SUPPORT UNIT		4b. SUPPORT UNIT NAME	
SECTION III - EQUIPMENT DATA						
5. TYPE MNT REQ CODE	6. ID	7. NSN <i>10051912440-213161</i>	15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751			
8. MODEL <i>M-24 SWS</i>			15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code) See DA Pamphlets 738-750 and 738-751		16. MILES/KILOMETERS/HOURS/ROUNDS M K	
9. NOUN <i>Sniper Rifle</i>					H R <i>5884</i>	
10a. ORG WON/DOC NO	10b. EIC					
11. SERIAL NUMBER <i>64411785</i>	12. QTY	13. PD	17. PROJECT CODE (if assigned)	18. ACCOUNT PROCESSING CODE	19. IN WARRANTY? (enter Y or N)	20. ADMIN NO
14. MALFUNCTION DESCRIPTION (for DSU, GSU/AVIM, DEPOT use)			21. REIMBURSABLE CUSTOMER (if Intransit customer enter Y or N)			
			22. LEVEL OF WORK		23. SIGNATURE	
24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not prescribe repairs) <i>Rifle has high round counts and needs to be Refurbished, Worn Throat</i> <i>Missing Replacement Kit</i>						
25. REMARKS						
PREPARATION INSTRUCTIONS FOR THIS PAGE						
SECTION I Block 1a. Enter UIC of submitting organization. Block 1b. Enter name of submitting organization. Block 1c. Enter number to be called when maint. is completed. Block 2a. Enter UIC of supporting SAMS-2/SAMS-1/TDA if work is requested while intransit and away from your support maintenance unit. Block 2b. Enter utilization code. See DA Pamphlets 738-750 and 738-751. Block 2c. Enter "Y" if reportable under AR 700-138. If not, leave blank.			SECTION III (Cont'd) Block 12. Enter the quantity of items being submitted. Block 13. Enter the maintenance priority designator determined from DA PAM 710-2-1. Block 14. For DSU, GSU/AVIM, DEPOT use. Block 15a. Enter the code that most accurately describes when the fault or deficiency was detected. See DA Pamphlets 738-750 and 738-751. Block 15b. Select one. Enter the code. See DA Pamphlets 738-750 and 738-751. Block 16. Enter the accumulated usage data in blocks, when equipment is subject to usage reporting. Block 17. Enter the project code if one has been assigned. If not, leave blank. Block 18. See DA Pamphlets 738-750 and 738-751. Block 19. Enter "Y" or "N" to indicate whether equipment is still under manufacturer's warranty. Block 20. Enter the admin number assigned for property control purposes for the equipment being submitted. Block 21. For DSU/GSU/AVIM/Depot use. Block 22. Enter level of work performed "O" for UNIT LEVEL/AVUM, "F" for DSU/AVIM, "H" for GSU, "D" for DEPOT, "K" for contractor or "L" for Spc Rpr Act. Block 23. Enter the signature of the CO or the CO's designated representative when the priority designator is 01-10. For priority designators 11-15, leave blank. Block 24. Enter a brief description of the deficiencies or symptoms that you feel require attention at this level of maint. Block 25. Self-explanatory.			
SECTION II Leave blank. To be completed by the support maintenance DSU/GSU/AVIM/DEPOT.						
SECTION III Block 5. Enter the Type Maintenance Request Code. See DA Pamphlets 738-750 and 738-751. Block 6. Enter ID associated with block 7. See DA Pamphlets 738-750 and 738-751. Block 7. Enter the NSN or stock number of the item being submitted. Block 8. Enter model of item being submitted. Block 9. Enter noun/nomenclature of item being submitted. Block 10a. Enter Work Order Number (WON)/DOC NO assigned when item is submitted. Otherwise, leave blank. Block 10b. Enter End Item Code. See AMDF. Block 11. Enter serial number of item being submitted.						
34a. SUBMITTED BY	35a. ACCEPTED BY	35c. DATE	Block 34a. Enter first initial and last name of submitter. Block 34b. Enter ordinal date submitted (YYDDD). Block 35a. Enter first initial and last name of person accepting maint. request. Block 35b. Enter the initial status. See DA Pamphlets 738-750 and 738-751. Block 35c. Enter ordinal date accepted (YYDDD). Block 35d. Enter military time.			
34b. DATE	35b. STATUS	35d. TIME				

DA FORM 2407, JUL 94

PREVIOUS EDITIONS OF DA FORM 2407 AND DA FORM 5504 ARE OBSOLETE

RECEIPT COPY 1

M2400035990

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611785.__0

FILE DATE AND TIME: 06/24/2004 06:58

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.105
The Average Y Centroid of the Five Target Set:	0.122
The Average Point of Impact of the Five Target Set:	0.161
The Average Mean Radius of the Five Target Set:	0.738
The Distance from POA to Centroid Target #1:	0.203
The Distance from Centroid Target #2 to Centroid Target #1:	0.243
The Distance from Centroid Target #3 to Centroid Target #1:	0.150
The Distance from Centroid Target #4 to Centroid Target #1:	0.365
The Distance from Centroid Target #5 to Centroid Target #1:	0.383

SERIAL NUMBER: C6611785. __0

TARGET NUMBER: 1

FILE DATE: 06/24/2004

FILE TIME: 06:58

X CENTROID: -0.159

Y CENTROID: 0.125

POA TO CENTROID: 0.203

HORZ SPREAD: 1.085

VERT SPREAD: 1.146

GROUP SPREAD: 1.147

MIN RADIUS: 0.122

MAX RADIUS: 0.655

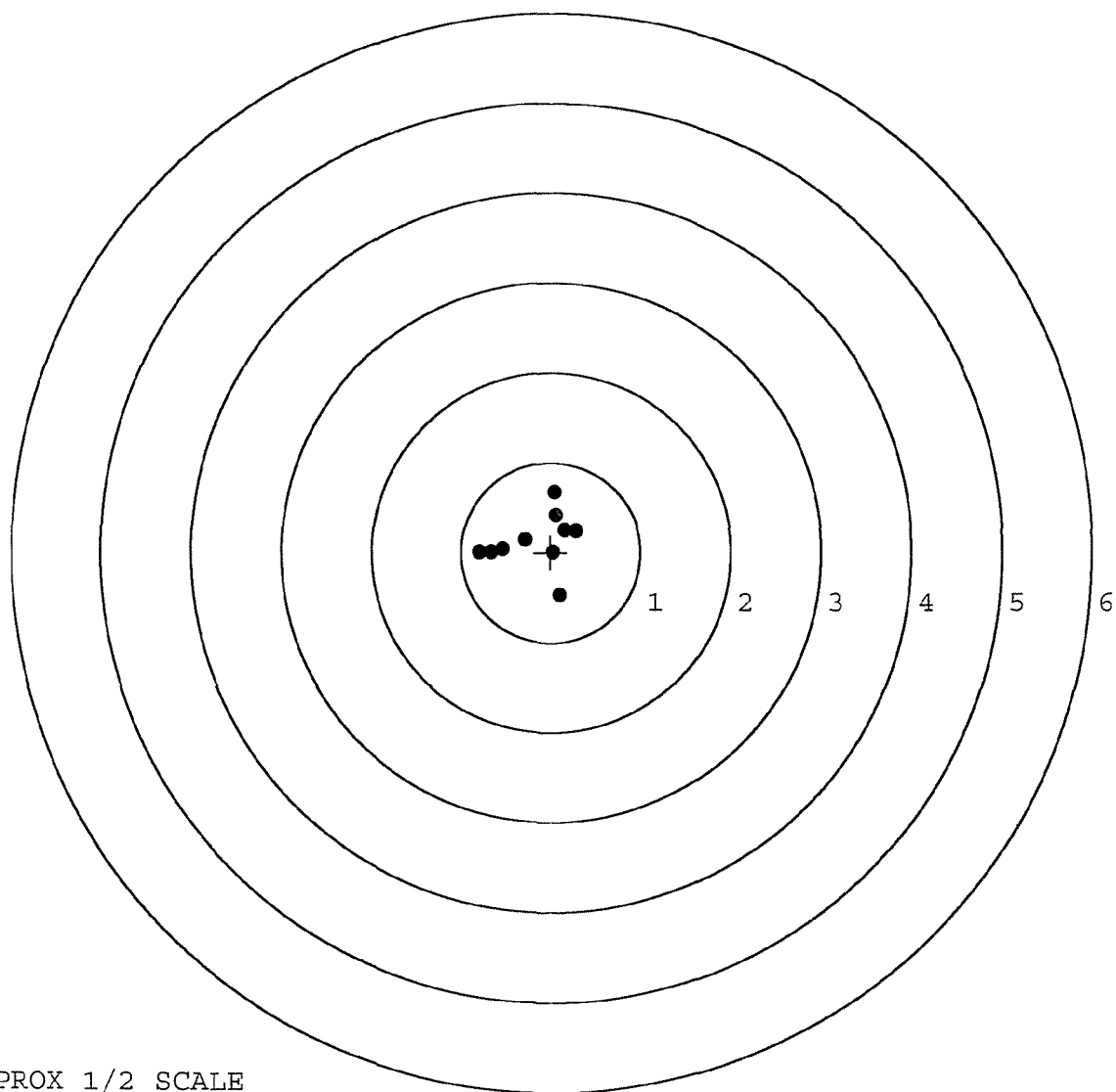
MEAN RADIUS: 0.430

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.043	0.670
2:	0.290	0.236
3:	0.101	-0.476
4:	0.033	-0.001
5:	-0.281	0.134
6:	-0.537	0.034
7:	-0.795	0.003
8:	-0.662	0.002
9:	0.161	0.243
10:	0.055	0.408



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611785. 0

TARGET NUMBER: 2

FILE DATE: 06/24/2004

FILE TIME: 06:58

X CENTROID: -0.386

Y CENTROID: 0.037

POA TO CENTROID: 0.388

HORZ SPREAD: 1.645

VERT SPREAD: 2.869

GROUP SPREAD: 2.921

MIN RADIUS: 0.296

MAX RADIUS: 1.884

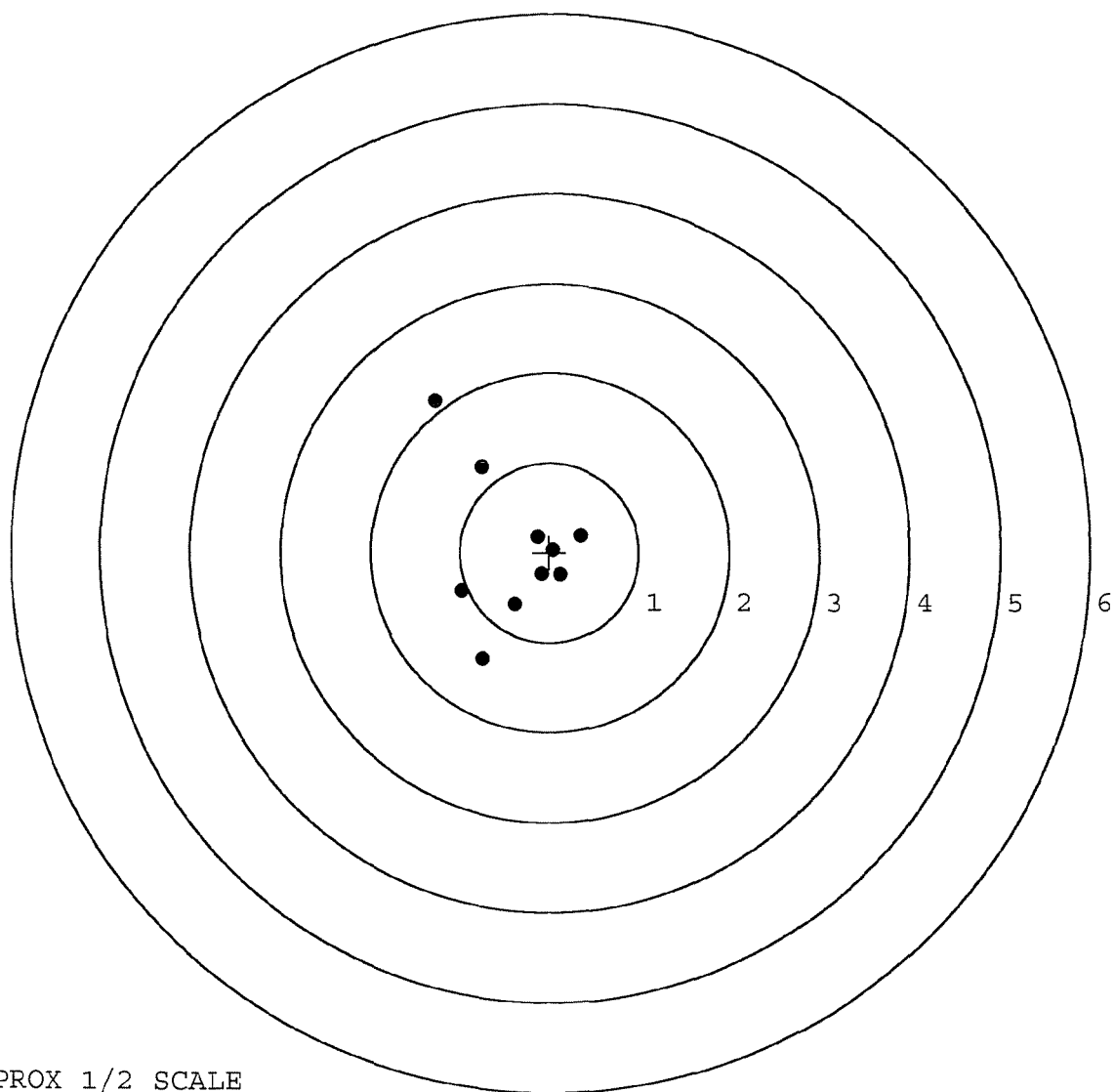
MEAN RADIUS: 0.798

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.291	1.689
2:	-0.755	0.954
3:	-0.986	-0.428
4:	-0.388	-0.574
5:	-0.743	-1.180
6:	-0.127	0.180
7:	0.354	0.190
8:	-0.090	-0.242
9:	0.120	-0.249
10:	0.046	0.029



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611785. __0

TARGET NUMBER: 3

FILE DATE: 06/24/2004

FILE TIME: 06:58

X CENTROID: -0.166

Y CENTROID: 0.275

POA TO CENTROID: 0.321

HORZ SPREAD: 1.935

VERT SPREAD: 2.471

GROUP SPREAD: 3.123

MIN RADIUS: 0.061

MAX RADIUS: 1.649

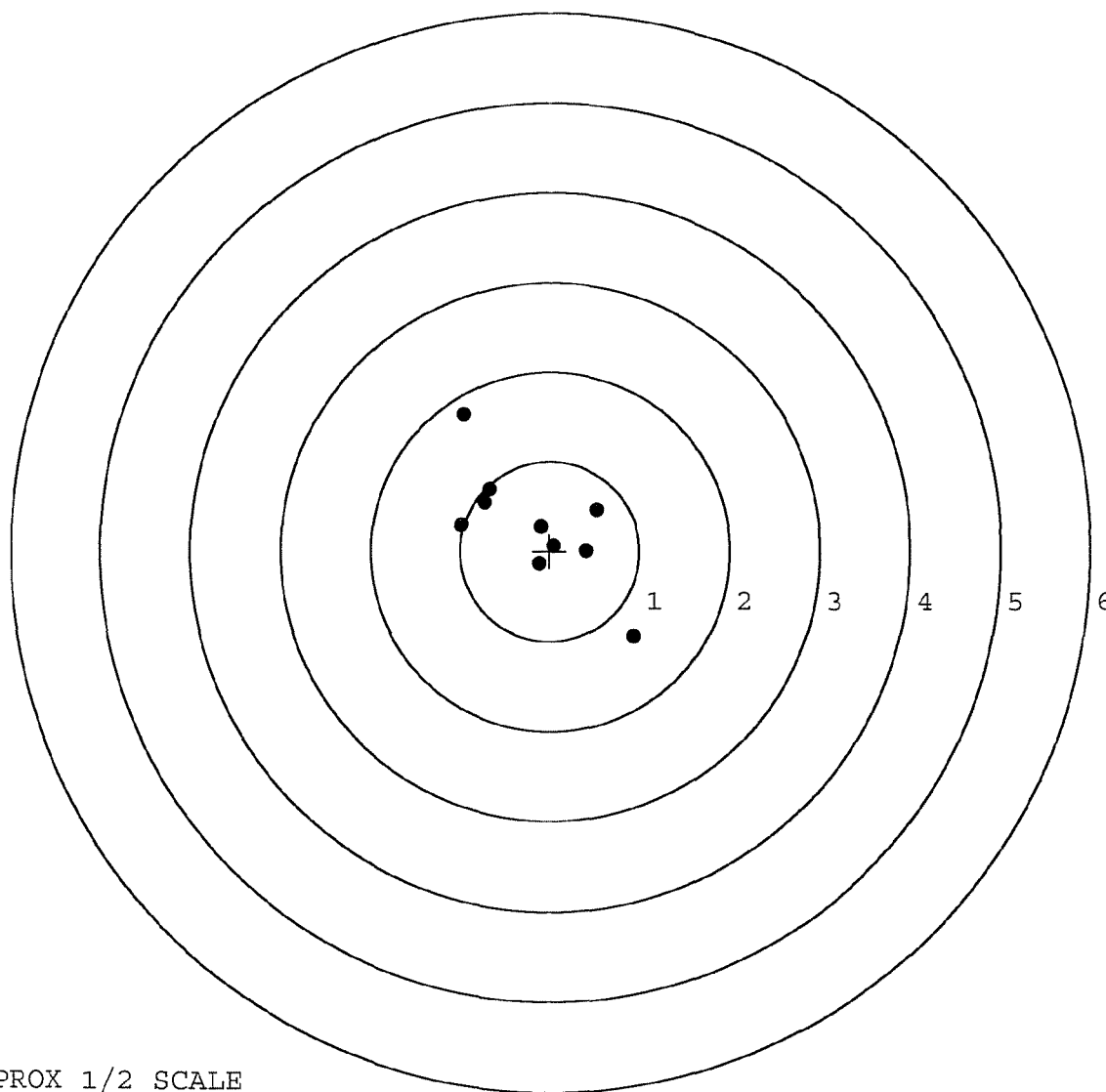
MEAN RADIUS: 0.738

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.967	1.524
2:	-0.993	0.293
3:	-0.674	0.693
4:	-0.732	0.541
5:	0.523	0.460
6:	0.942	-0.947
7:	0.410	0.001
8:	-0.116	-0.143
9:	-0.105	0.268
10:	0.052	0.058



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611785. 0

TARGET NUMBER: 4

FILE DATE: 06/24/2004

FILE TIME: 06:58

POINT#	X	Y
1:	-0.684	1.095
2:	-0.128	1.020
3:	0.108	0.786
4:	-0.065	0.497
5:	-0.063	0.067
6:	1.309	0.116
7:	0.141	-0.965
8:	-0.825	-0.840
9:	-0.171	-1.293
10:	0.761	-2.302

X CENTROID: 0.038

Y CENTROID: -0.182

POA TO CENTROID: 0.186

HORZ SPREAD: 2.134

VERT SPREAD: 3.397

GROUP SPREAD: 3.692

MIN RADIUS: 0.269

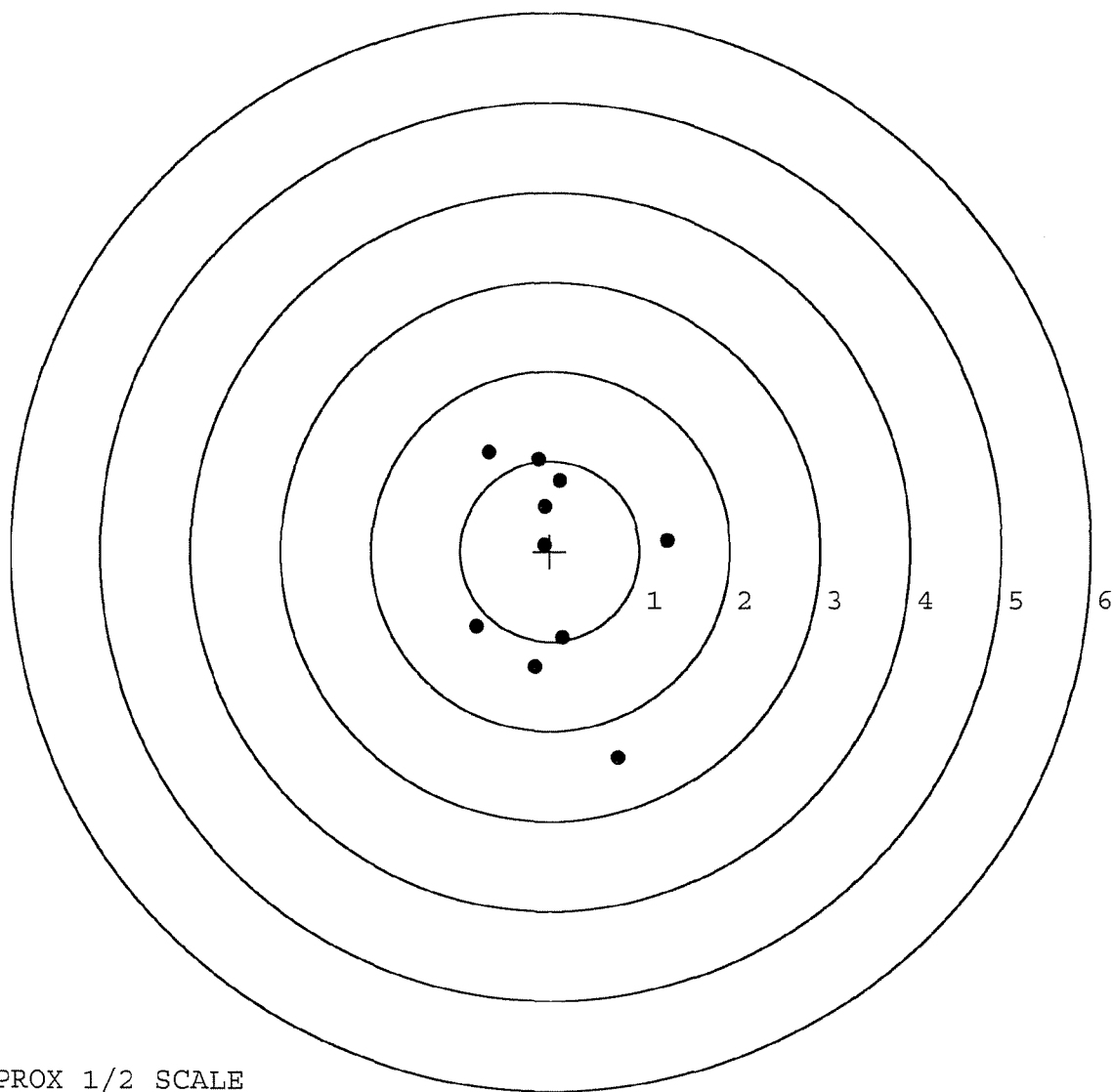
MAX RADIUS: 2.240

MEAN RADIUS: 1.116

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611785. __0

TARGET NUMBER: 5

FILE DATE: 06/24/2004

FILE TIME: 06:58

POINT#	X	Y
1:	1.477	0.343
2:	0.049	0.959
3:	0.230	0.819
4:	-0.869	1.095
5:	0.552	-0.074
6:	0.266	0.183
7:	-0.036	-0.290
8:	-0.019	0.340
9:	-0.276	0.096
10:	0.096	0.089

X CENTROID: 0.147

Y CENTROID: 0.356

POA TO CENTROID: 0.385

HORZ SPREAD: 2.346

VERT SPREAD: 1.385

GROUP SPREAD: 2.464

MIN RADIUS: 0.167

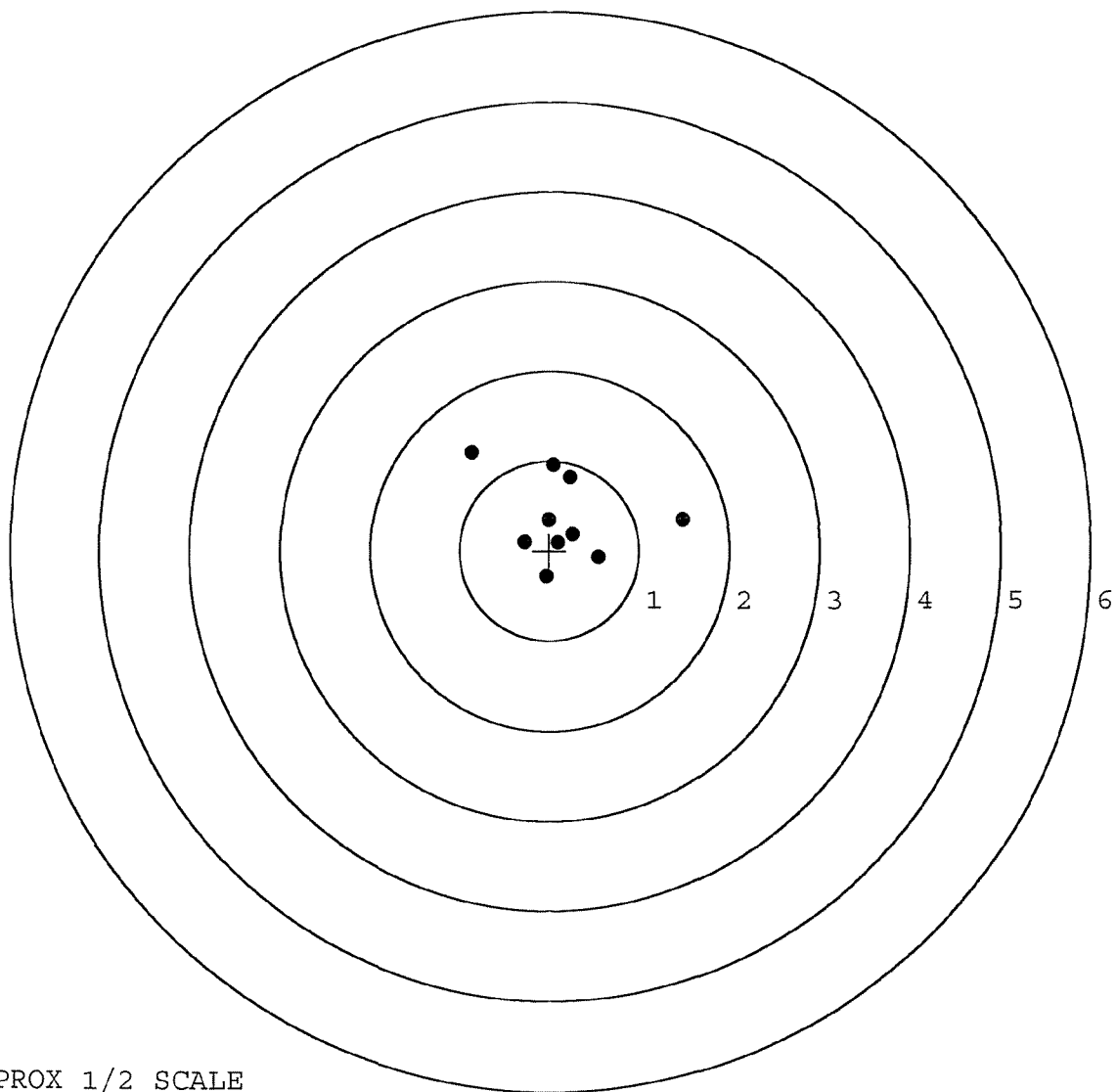
MAX RADIUS: 1.330

MEAN RADIUS: 0.607

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	81977		
SERIAL NUMBER	C6611785		
LOG-IN DATE	6-15-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-16-04	RTL
560 A	RE-BARREL	6-17-04	RTL
B	DRILL AND TAP	6-18-04	TRW
575	ASSEMBLE	6-17-04	RTL
600	PROOF	6-17-04	RTL
605	CHECK HEADSPACE	6-17-04	RTL
610	DIS-ASSEMBLE GUN	6-17-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	6-18-04	SB
618	ROTO-BLAST	6-21-04	SW
620	APPLY COATINGS	6-22	TA
625 A	FINAL ASSEMBLY	6-23-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	6-24-04	AL
655	FINAL INSPECT	6-30-04	RTL
660	PACK	8-2-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06611785

DATE 2/20/91

TESTER JT

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.38	2.43	2.31	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.38	2.36	2.53	
PULL #3	2.32	2.34	2.40	2.56	
PULL #4	2.35	2.33	2.40	2.33	
PULL #5	2.37	2.41	2.38	2.40	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.28		
PULL #2	3.29	3.43		
PULL #3	3.17	3.47		
PULL #4	3.27	3.32		
PULL #5	3.13	3.45		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.50	4.39		4.40
PULL #2	4.34	4.26		4.39
PULL #3	4.36	4.43		4.28
PULL #4	4.34	4.14		4.35
PULL #5	4.44	4.41		4.41
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06611785
22 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.0558032
1 TO	2	.0681211
1 TO	3	.086406
1 TO	4	.113146
1 TO	5	.183134

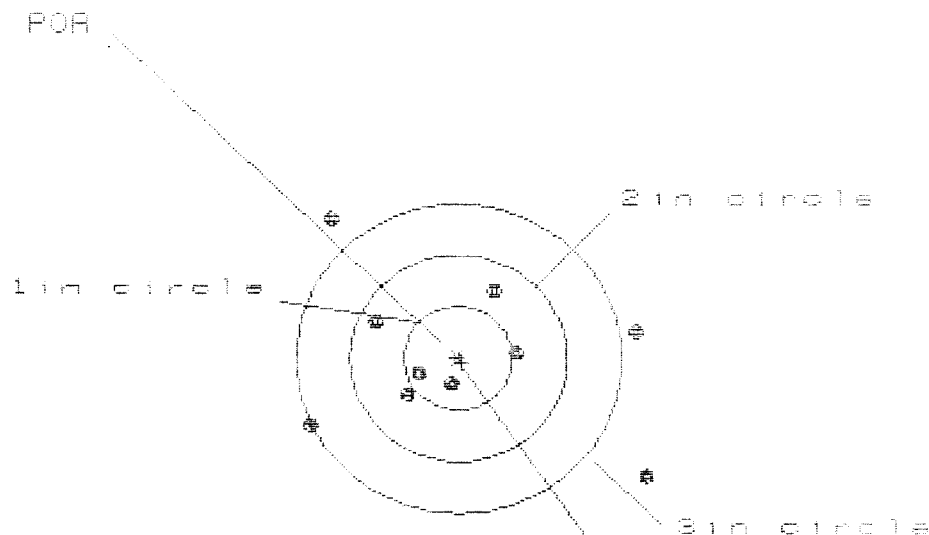
✱ -----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0412
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0852
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0415209
THE AMR FOR THIS RIFLE IS: 1.006

22 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C88117B5

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 3

HS= 3.091

VS= 2.512

GS= 3.853

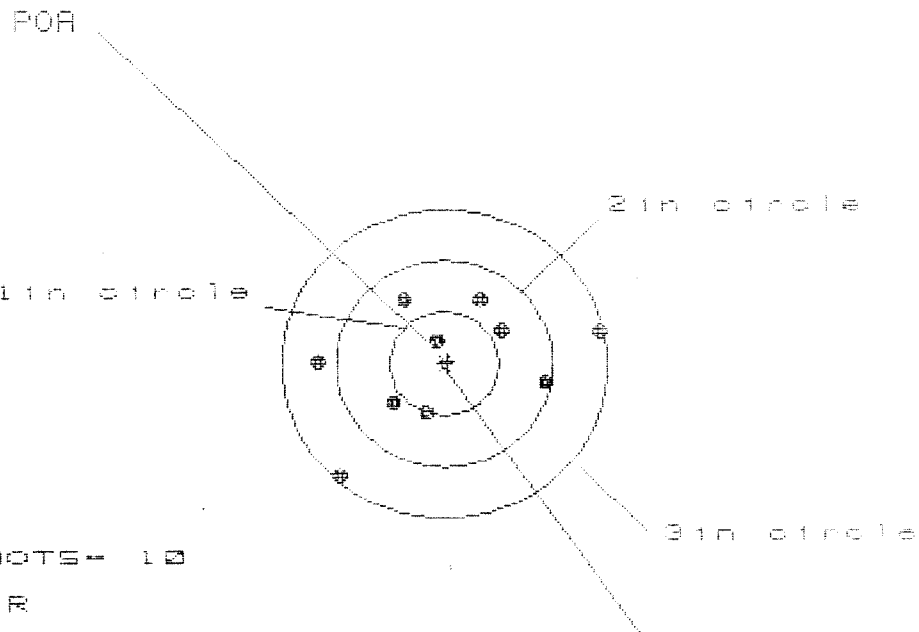
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.739	1.789	1.665
MINIMUM X	-1.352	-1.158	-1.282
MAXIMUM Y	1.326	1.195	.678
MINIMUM Y	-1.186	-1.796	-1.647
CENTROID X	-.033	-.227	-.103
CENTROID Y	.045	.176	.027
FOR TO CENTROID in.	.056	.287	.106
MIN RADIUS	.245	.345	.226
MEAN RADIUS	1.046	.917	.811
MAX RADIUS	2.105	1.795	1.692
HORIZONTAL SPREAD	3.091	2.947	2.947
VERTICAL SPREAD	2.512	1.991	1.325
EXTREME SPREAD	3.853	3.095	2.095
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	6		

22 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08811785

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 2.524

VS= 1.717

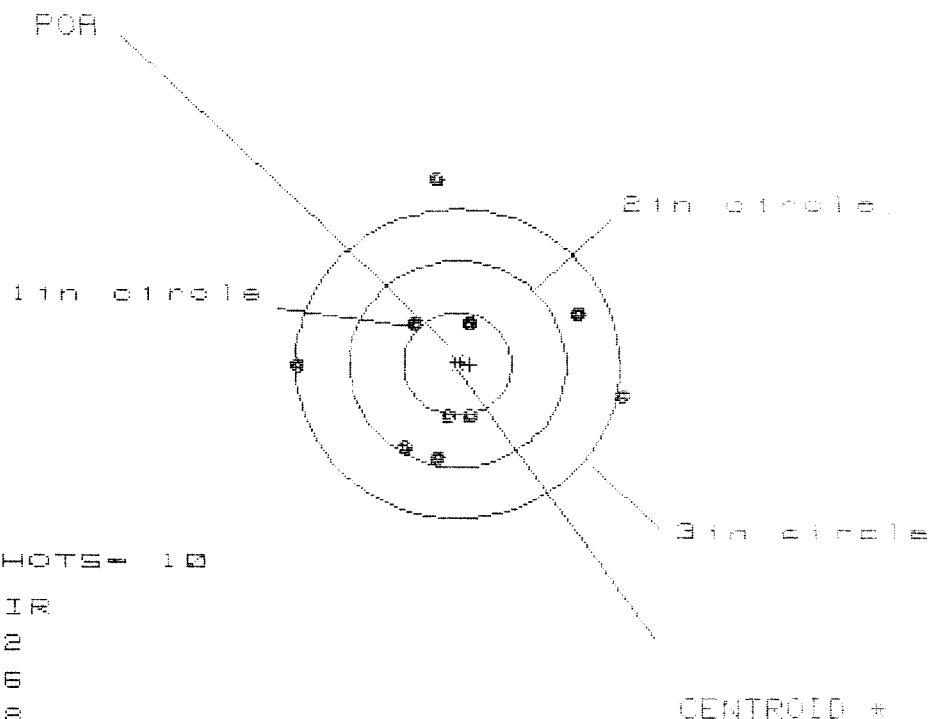
GS= 2.887

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.401	1.289	1.022
MINIMUM X	:	-1.123	-1.235	-1.073
MAXIMUM Y	:	.634	.514	.544
MINIMUM Y	:	-1.083	-.580	-.550
CENTROID X	:	-.029	.083	-.079
CENTROID Y	:	-.021	.099	.069
POA TO CENTROID in.	:	.036	.129	.105
MIN RADIUS	:	.219	.168	.129
MEAN RADIUS	:	.838	.751	.667
MAX RADIUS	:	1.479	1.311	1.080
HORIZONTAL SPREAD	:	2.524	2.524	2.096
VERTICAL SPREAD	:	1.717	1.094	1.094
EXTREME SPREAD	:	2.887	2.553	2.100
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

22 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/055117B5

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 6

3 in - 8

HS = 3.019

VS = 2.672

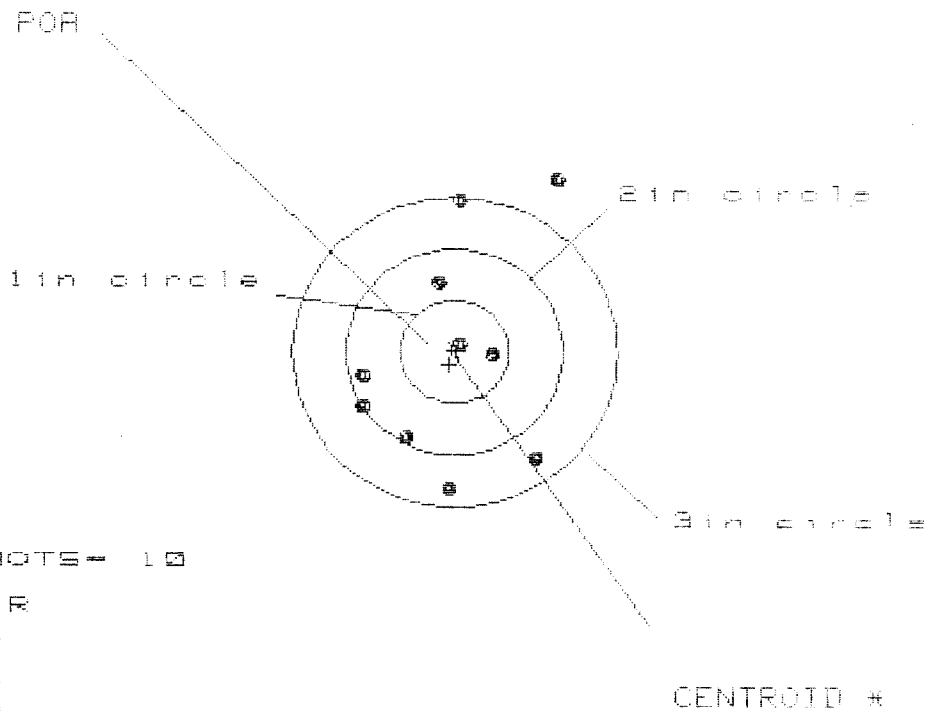
ES = 3.034

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.547	1.522	1.276
MINIMUM X	:	-1.472	-1.497	-1.307
MAXIMUM Y	:	1.753	.681	.663
MINIMUM Y	:	-.919	-.724	-.742
CENTROID X	:	-.112	-.087	-.277
CENTROID Y	:	.010	-.185	-.167
POA TO CENTROID in.	:	.112	.204	.324
MIN RADIUS	:	.417	.302	.345
MEAN RADIUS	:	.989	.869	.774
MAX RADIUS	:	1.768	1.529	1.438
HORIZONTAL SPREAD	:	3.019	3.019	2.533
VERTICAL SPREAD	:	2.672	1.405	1.405
EXTREME SPREAD	:	3.034	3.034	2.635
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			8	

22 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611785

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 1.841

VS = 2.957

GS = 3.122

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.992	.829	.855
MINIMUM X	:	-.849	-.739	-.713
MAXIMUM Y	:	1.642	1.661	1.097
MINIMUM Y	:	-1.315	-1.133	-.925
CENTROID X	:	.048	-.062	-.088
CENTROID Y	:	.124	-.058	-.266
POA TO CENTROID in.	:	.133	.085	.280
MIN RADIUS	:	.108	.319	.520
MEAN RADIUS	:	.995	.883	.774
MAX RADIUS	:	1.918	1.674	1.097
HORIZONTAL SPREAD	:	1.841	1.568	1.568
VERTICAL SPREAD	:	2.957	2.794	2.022
EXTREME SPREAD	:	3.122	2.796	2.025
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	

NUMBER IN THREE INCH CIRCLE = 9

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CENTERFIRE PATTERNS # 5

POB

1in circle

2in circle

3in circle

CENTROID +

OF SHOTS = 10

IN CIR

1in = 2

2in = 4

3in = 7

HS = 3.000

VS = 1.955

GS = 3.000

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.718	1.487	1.262
MINIMUM X	:	-2.082	-1.421	-1.236
MAXIMUM Y	:	.687	.680	.676
MINIMUM Y	:	-1.268	-1.275	-1.279
CENTROID X	:	-.080	.151	-.034
CENTROID Y	:	-.132	-.125	-.121
POB TO CENTROID in.	:	.154	.197	.126
MIN RADIUS	:	.345	.148	.306
MEAN RADIUS	:	1.163	1.005	.968
MAX RADIUS	:	2.083	1.702	1.552
HORIZONTAL SPREAD	:	3.000	2.908	2.497
VERTICAL SPREAD	:	1.955	1.955	1.955
EXTREME SPREAD	:	3.000	3.045	2.798
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	