

C6348907

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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: **RE00071757** Serial: C6348907 Model 700 Center Fire Caliber .762 NATO M24 SWS Repairman: _____
 Verify Repair _____ Status: Closed 10/21/2003 11:50:31 AM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **MATERIAL MOVEMENT SECTION** **MATERIAL MOVEMENT SECTION**

Address 1: **BLDG 9630** **BLDG 9630**

Address 2: **PRESCOTT AVE** PO Box: _____ **PRESCOTT AVE** PO Box: _____

City: **FORT LEWIS** **FORT LEWIS**

State: **WA** Zip Code: **98433** Country: **US** State: **WA** Zip Code: **98433** 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 <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Studs</td> <td>3</td> </tr> <tr> <td>A016</td> <td>Scope Mounts</td> <td>2</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> </tbody> </table>			Code	Desc	Qty	A007	With Studs	3	A016	Scope Mounts	2	A017	Scope Base	1
Code	Desc	Qty														
A007	With Studs	3														
A016	Scope Mounts	2														
A017	Scope Base	1														

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

naglej 10/21/2003 12:41 PM CAPS NUM INS SCPL

start 2 MB 5 MB Trap Di Arms S... Part Se... add... WPE 97... 12:41 PM

Serial Number: **C6348907**

Model: **700**



RE00071757

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348907.___0

FILE DATE AND TIME: 11/12/2003 11:31

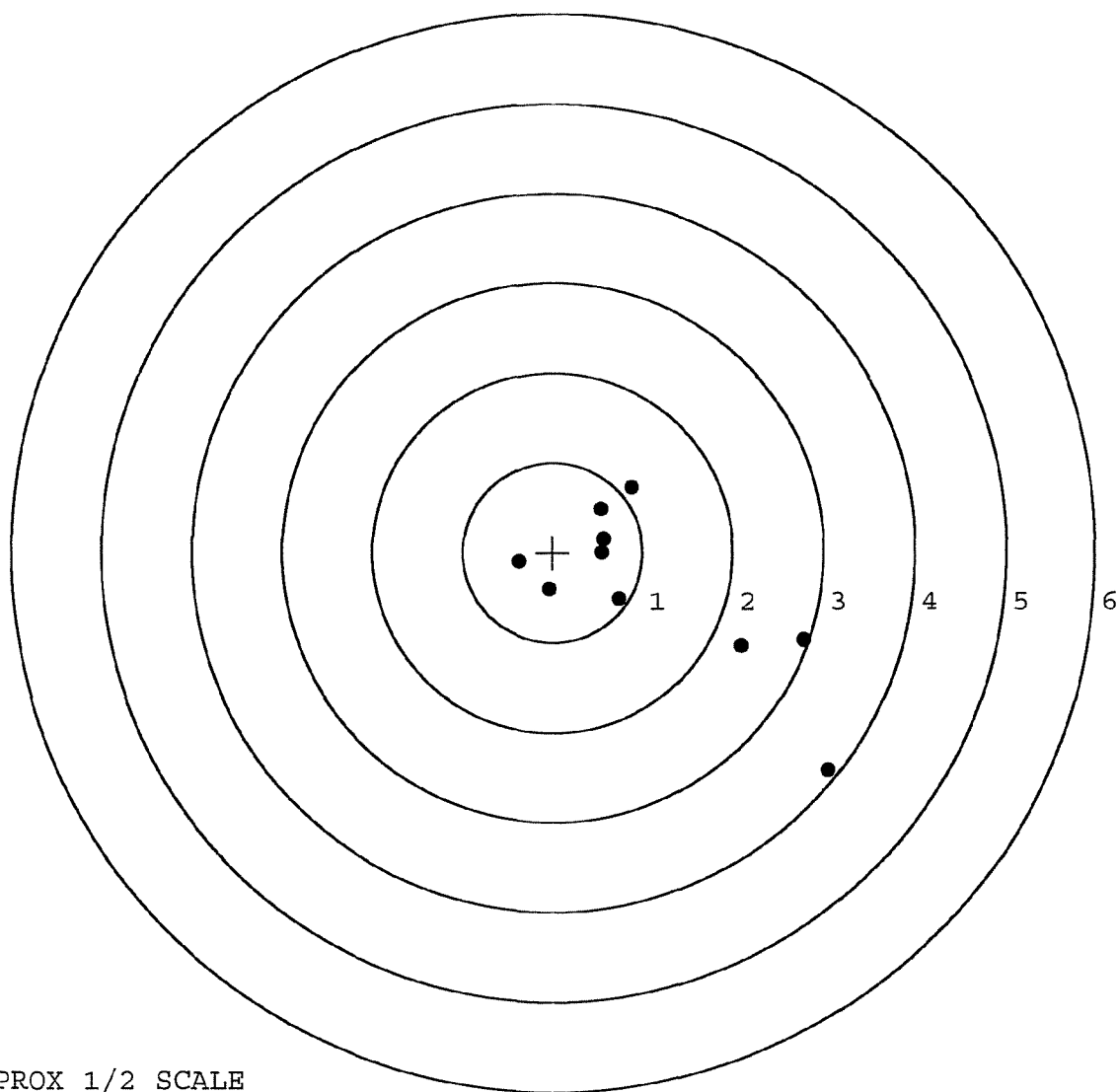
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.209
The Average Y Centroid of the Five Target Set:	-0.028
The Average Point of Impact of the Five Target Set:	0.211
The Average Mean Radius of the Five Target Set:	0.705
The Distance from POA to Centroid Target #1:	1.153
The Distance from Centroid Target #2 to Centroid Target #1:	1.332
The Distance from Centroid Target #3 to Centroid Target #1:	1.275
The Distance from Centroid Target #4 to Centroid Target #1:	1.028
The Distance from Centroid Target #5 to Centroid Target #1:	1.141

SERIAL NUMBER: C6348907. __0
TARGET NUMBER: 1
FILE DATE: 11/12/2003
FILE TIME: 11:31

X CENTROID: 1.076
Y CENTROID: -0.415
POA TO CENTROID: 1.153
HORZ SPREAD: 3.430
VERT SPREAD: 3.154
GROUP SPREAD: 4.145
MIN RADIUS: 0.358
MAX RADIUS: 2.823
MEAN RADIUS: 1.241
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.874	0.724
2:	0.539	0.486
3:	-0.378	-0.103
4:	-0.045	-0.419
5:	0.547	-0.001
6:	0.734	-0.521
7:	2.775	-0.986
8:	2.091	-1.046
9:	3.052	-2.430
10:	0.569	0.150



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348907. __0

TARGET NUMBER: 2

FILE DATE: 11/12/2003

FILE TIME: 11:31

X CENTROID: -0.204

Y CENTROID: -0.044

POA TO CENTROID: 0.209

HORZ SPREAD: 1.448

VERT SPREAD: 1.471

GROUP SPREAD: 1.740

MIN RADIUS: 0.355

MAX RADIUS: 1.109

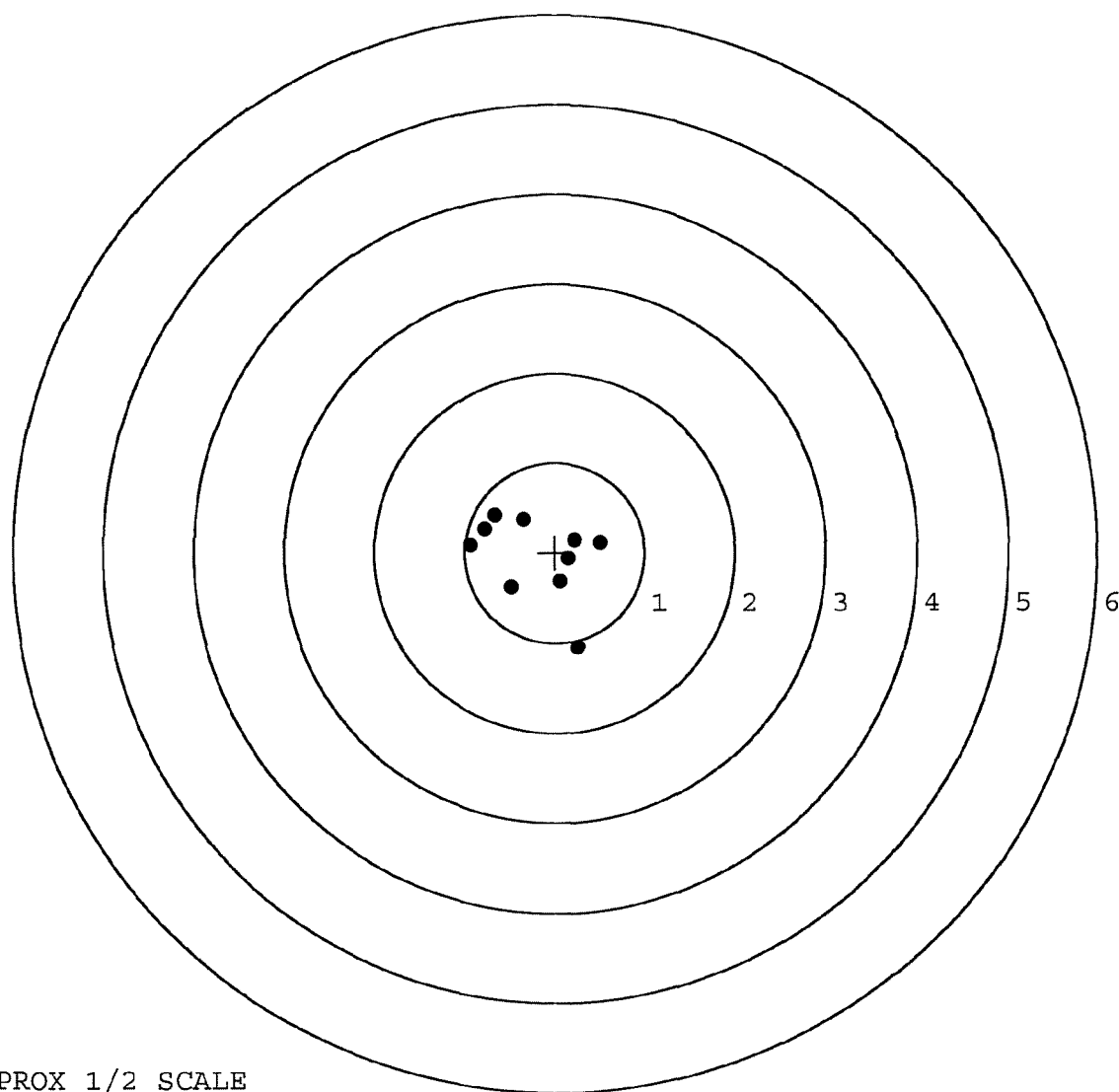
MEAN RADIUS: 0.598

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.356	0.368
2:	-0.671	0.419
3:	-0.783	0.262
4:	-0.935	0.081
5:	-0.488	-0.385
6:	0.259	-1.052
7:	0.055	-0.326
8:	0.513	0.118
9:	0.216	0.145
10:	0.150	-0.071



TARGET APPROX 1/2 SCALE

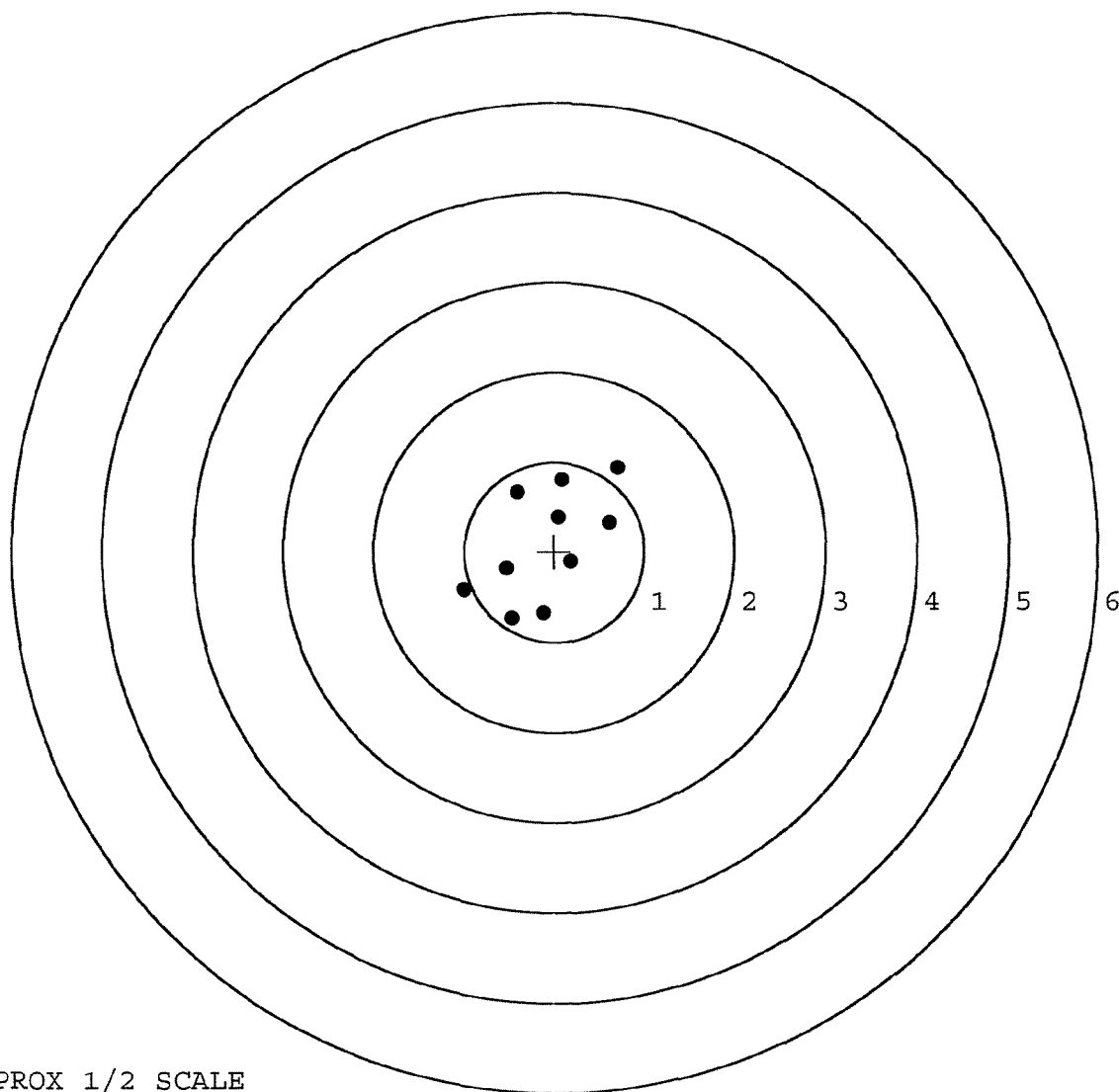
SERIAL NUMBER: C6348907. __0

TARGET NUMBER: 3

FILE DATE: 11/12/2003

FILE TIME: 11:31

	POINT#	X	Y
	1:	-0.418	0.661
	2:	0.086	0.805
	3:	0.706	0.944
	4:	0.045	0.383
	5:	0.608	0.328
	6:	0.185	-0.115
	7:	-0.533	-0.188
	8:	-1.004	-0.429
	9:	-0.479	-0.741
	10:	-0.122	-0.683
X CENTROID:		-0.093	
Y CENTROID:		0.096	
POA TO CENTROID:		0.134	
HORZ SPREAD:		1.710	
VERT SPREAD:		1.685	
GROUP SPREAD:		2.193	
MIN RADIUS:		0.318	
MAX RADIUS:		1.164	
MEAN RADIUS:		0.723	
# IN 1 IN DIAMETER:		2	
# IN 2 IN DIAMETER:		8	
# in 3 IN DIAMETER:		10	

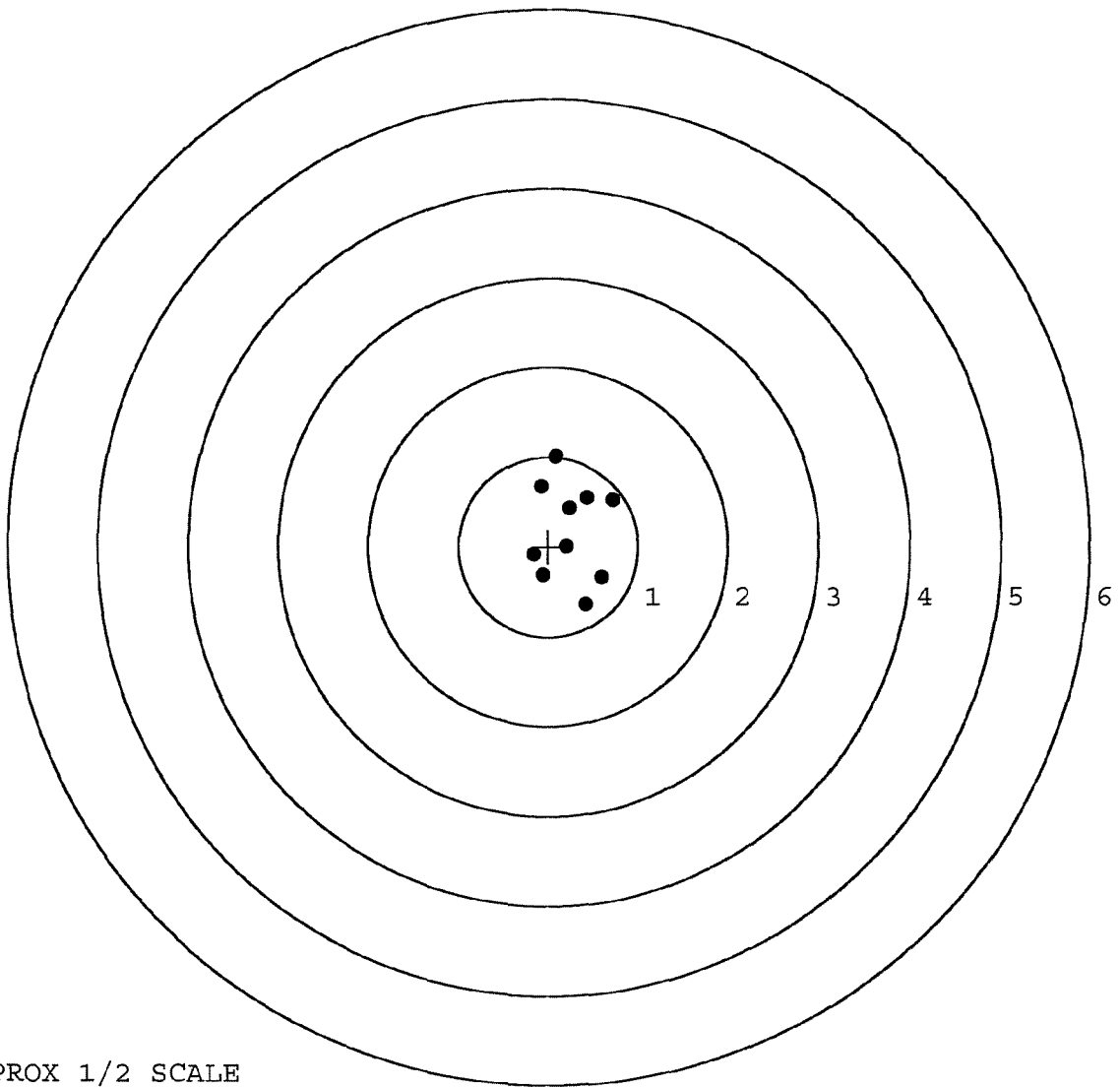


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348907. __0
TARGET NUMBER: 4
FILE DATE: 11/12/2003
FILE TIME: 11:31

X CENTROID: 0.236
Y CENTROID: 0.179
POA TO CENTROID: 0.296
HORZ SPREAD: 0.884
VERT SPREAD: 1.649
GROUP SPREAD: 1.682
MIN RADIUS: 0.186
MAX RADIUS: 0.841
MEAN RADIUS: 0.540
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.082	1.006
2:	-0.084	0.671
3:	0.718	0.526
4:	0.427	0.546
5:	0.234	0.429
6:	0.203	-0.004
7:	-0.166	-0.090
8:	-0.064	-0.318
9:	0.597	-0.334
10:	0.414	-0.643



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348907. 0

TARGET NUMBER: 5

FILE DATE: 11/12/2003

FILE TIME: 11:31

X CENTROID: 0.031

Y CENTROID: 0.046

POA TO CENTROID: 0.055

HORZ SPREAD: 1.122

VERT SPREAD: 1.493

GROUP SPREAD: 1.597

MIN RADIUS: 0.030

MAX RADIUS: 1.037

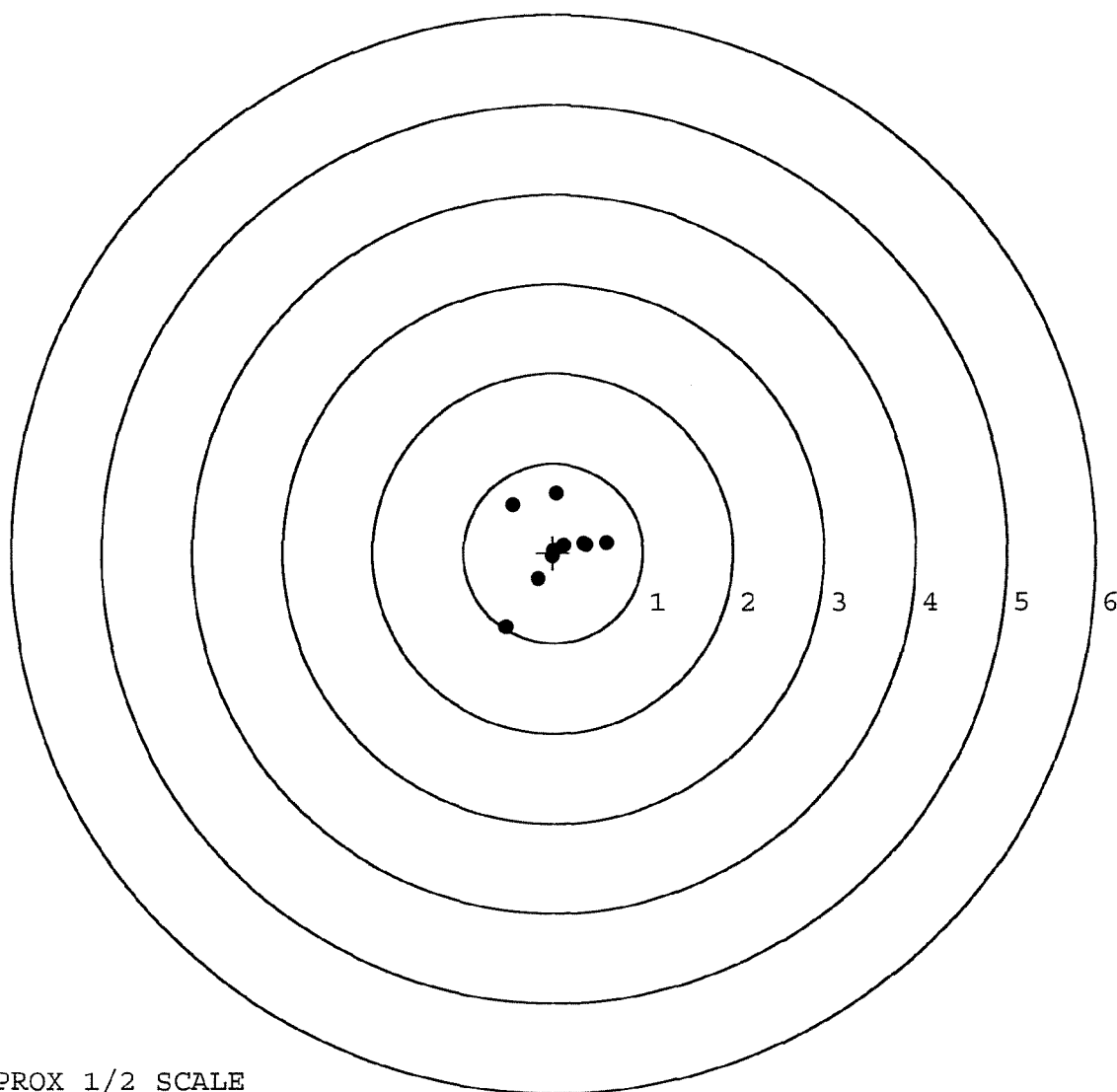
MEAN RADIUS: 0.420

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.458	0.538
2:	0.038	0.665
3:	-0.528	-0.828
4:	-0.168	-0.297
5:	-0.013	-0.045
6:	0.126	0.080
7:	0.369	0.096
8:	0.594	0.116
9:	0.343	0.108
10:	0.012	0.023



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	71757		
SERIAL NUMBER	C6248907		
LOG-IN DATE	10-21-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-27-03	RTL
560 A	RE-BARREL	10-29-03	RTL
B	DRILL AND TAP	11-4-03	TRW
575	ASSEMBLE	11-3-03	RTL
600	PROOF	11-3-03	A
605	CHECK HEADSPACE	11-3-03	E
610	DIS-ASSEMBLE GUN	11-3-03	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	11-5-03	B
618	ROTO-BLAST		
620	APPLY COATINGS	11-8	TA
625 A	FINAL ASSEMBLY	11-10-03	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-12-03	A
655	FINAL INSPECT	12-12-03	RTL
660	PACK	12/12/03	RA
		SHIP DATE	
	QAR INSPECTION DATE		

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 96-16379

M-24 SNIPER

INITIAL CUSTOMER ORDER NO.

JJM

DATE RECEIVED

07/15/96

DATE OPENED

07/15/96

DATE CODE

WJ 8-89

SERIAL NUMBER

C6348907

NEW SERIAL NUMBER

MODEL AND GRADE

700 7.62

NATO

ACCESSORIES

W/STUDS

SCOPE BASE

W/SWIVELS

FROM:

DEPT OF THE ARMY
C CO 3RD BN 1ST SFG (A)
FORT LEWIS

WA 98433

SHIP TO:

DEPT OF THE ARMY
C CO 3RD BN 1ST SFG (A)
FORT LEWIS

WA 98433

CUST NO:145454 C.O.D L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

Barrel 96003
Firing pin ASSY. 96007

Repowder Coat Trigger Guard
HSSy, Front & Rear Sight
Bases.
Rezinc Scope Base & Swivel
Studs.

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY/TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400041328

EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET											
For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG											
1. ORGANIZATION C 3RD BN 1ST SFG(A)					2. NOMENCLATURE AND MODEL M24 SWS						
3. REGISTRATION/SERIAL/NSN			4a. MILES		b. HOURS		c. ROUNDS FIRED		d. HOT STARTS		
5. DATE			6. TYPE INSPECTION								
7. APPLICABLE REFERENCE											
TM NUMBER				TM DATE			TM NUMBER			TM DATE	
COLUMN a — Enter TM item number.					COLUMN d — Show corrective action for deficiency or shortcoming listed in Column c.					COLUMN e — Individual ascertaining completed corrective action, initial in this column.	
COLUMN b — Enter the applicable condition status symbol.					COLUMN c — Enter deficiencies and shortcomings.						
STATUS SYMBOLS											
"X"—Indicates a deficiency in the equipment that places it in an inoperable status. CIRCLED "X"—Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished. HORIZONTAL DASH "—"—Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.					DIAGONAL "/"—Indicates a materiel defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable. LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL—Indicates that a completely satisfactory condition exists. FOR AIRCRAFT—Status symbols will be recorded in red.						
ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.											
8a. SIGNATURE (Person(s) performing inspection)				8b. TIME		9a. SIGNATURE (Maintenance Supervisor)			9b. TIME		
10. MANHOURS REQUIRED											
TM ITEM NO. a	STATUS b	DEFICIENCIES AND SHORTCOMINGS c				CORRECTIVE ACTION d				INITIAL WHEN CORRECTED e	
		C6348730				X EXCESS OF 10,000 RDS					
		C6225181				PER GUN, EACH NEEDS					
		C6225524				RE-BARRELING					
		C6348969				T/I TRIGGERS/STOCKS					
		C6348954									
		C6225270				X THREE WEAPONS WERE					
		C6225467				SHOT IN THE LAST					
		C6348907				SNIPER CLASS, SNIPER					
		C6225409				COMMITTEE SAID THEY					
		C6348868				NEED RE-BARRELING					
		C6225174				DUE TO POOR SHOT PERFORMANCE					
		C6348981				ADD EXCESS RDS.					
						AT 1/11/06					
						X EACH WEAPON HAS A					
						SCOPE MOUNT					
		P.O.C. SSG DELK									
		3RD BN 1ST SFG(A)									
						(206) 967-8813/896					

DA FORM 2404
1 APR 79

Replaces edition of 1 Jan 64, which will be used

CONTRACT # DAAA21-87-C-0086

Barrel

GUN SERIAL # C6348907

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		7/24/96	RW
600	Proof		7/24/96	RW
607.	Check Headspace		7/24/96	RW
610	Dis-assemble Gun		7/24/96	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force					
	G) Safety Off Force					
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent					
	J) Assemble Stock					
	K) Assemble Swivel Studs					
	L) Attach Front and Rear Sight Assemblies					
	M) Iron Sight Alignment					
	N) Detach Front & Rear Sights & place in numbered container					
	O) Attach Scope to Rifle					
	P) Detach & Attach Scope 20 Times					
640	Gallery Target & Test					
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo					
655	Final Inspection					
	A) Headspace					
	B) Trigger Pull					
	C) Function					
660	Pack					

Final Inspection

Sn: C6348907

DATE REC'D: 7/15/96

DATE RET'D:

Auditor: RW

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:

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

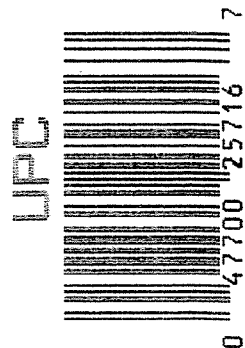
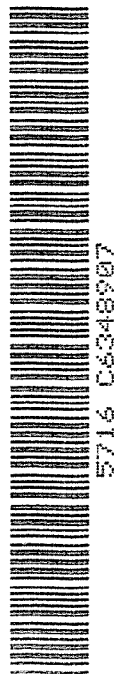
MODEL 700TM H24

SERIAL NO. C6348907

ORDER NO. 5716

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

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348907

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 30	89	DW
600	Proof	8 30	89	DW
607	Check Headspace	8 30	89	DW
610	Dis-assemble Gun	8 30	89	DW
612	Magnaflux Barrel Action		8/31/89	KCR
	Magnaflux Bolt		8/31/89	KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	9 1	89	EB
618	Polish Barrel RB	9 1	89	ET
620	Apply Coatings (Barrel Action)		9-7-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	AW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	AW
	C) Inspect Ejector Hole for Chamfer		9/26/89	AW
	D) Oil Firing Pin Ass'y		9/26/89	AW
	E) Adjust Trigger Pull to Min Setting and Stake		27 Sep 89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			9/28/89	JU
	G) Safety Off Force	3	3	3			9/28/89	JU
	H) Trigger Pull Test & Retainability						9/28/89	JU
	I) Firing Pin Indent	.020	.020	.0205			9/28/89	JU
	J) Assemble Stock						9/28/89	RW
	K) Assemble Swivel Studs						9/28/89	JU
	L) Attach Front and Rear Sight Assemblies						9/28/89	RW
	M) Iron Sight Alignment						9/28/89	RW
	N) Detach Front & Rear Sights & place in numbered container						9/28/89	RW
	O) Attach Scope to Rifle						9/28/89	JU
	P) Detach & Attach Scope 20 Times						9/28/89	JU
640	Gallery Target & Test						9-29-89	AC
	A) Time						9-29-89	AC
	B) Malfunctions						9-29-89	AC
	C) Pierced Primers						9-29-89	AC
	D) Optical Clarity of Scope						9-29-89	AC
645	Inspect for Live Ammo						9-29-89	AC
655	Final Inspection							
	A) Headspace						6/28/89	JU
	B) Trigger Pull	247	255	257	258	272	6/28/89	JU
	C) Function						6/28/89	JU
660	Pack						14 Dec 89	JU

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06348907

DATE 3/29/90

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.30	2.31	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.23	2.46	
PULL #3	2.28	2.33	2.43	
PULL #4	2.30	2.30	2.55	
PULL #5	2.27	2.28	2.45	
TOTAL	11.46	11.45	12.37	
AVG.	2.29	2.29	2.47	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.24	3.29	
PULL #2	3.21	3.21	
PULL #3	3.33	3.19	
PULL #4	3.28	3.20	
PULL #5	3.26	3.24	
TOTAL	16.32	16.13	
AVG.	3.26	3.22	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.46		
PULL #2	4.33	4.39		
PULL #3	4.20	4.34		
PULL #4	4.21	4.38		
PULL #5	4.27	4.37		
TOTAL	21.22	21.94		
AVG.	4.24	4.38		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348907
3 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.274388
1 TO	2	.316384
1 TO	3	.450006
1 TO	4	.350036
1 TO	5	.576014

$\frac{53}{21}$ <----POA

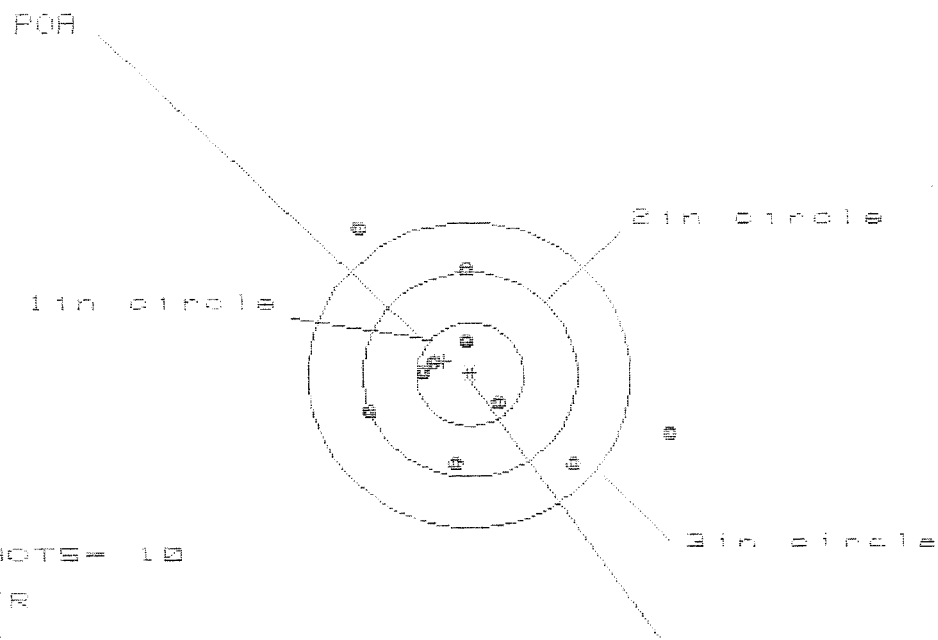
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0366
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0004
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0366022
THE AMR FOR THIS RIFLE IS: .9314

3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8348987

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 8

HE= 2.911

VS= 2.269

ES= 3.513

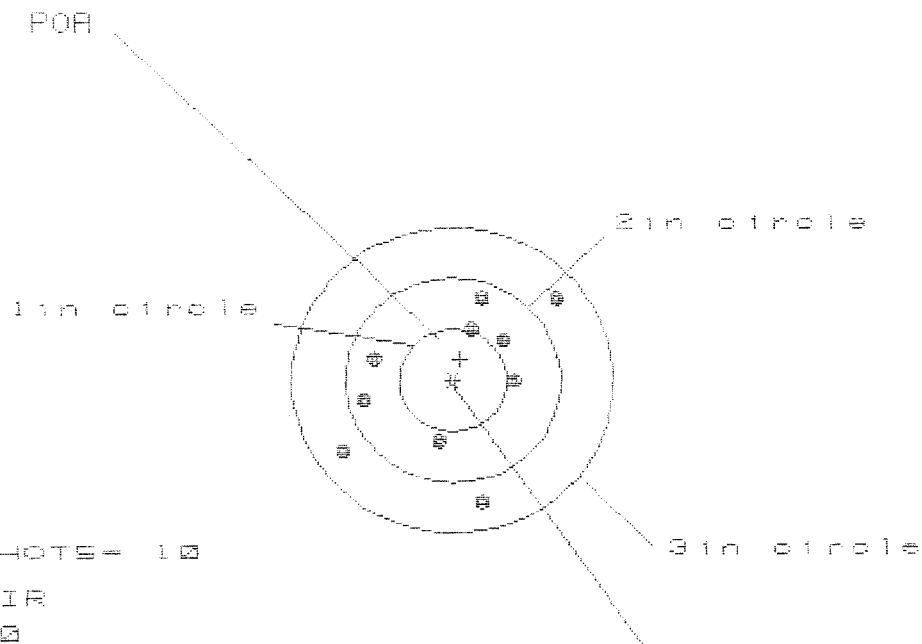
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.828	1.198	1.088
MINIMUM X	-1.083	-0.879	-0.861
MAXIMUM Y	1.395	1.332	1.179
MINIMUM Y	-0.874	-0.937	-0.771
CENTROID X	.240	.036	.146
CENTROID Y	-.133	-.070	-.236
POA TO CENTROID in.	.274	.079	.278
MIN RADIUS	.319	.107	.293
MEAN RADIUS	.956	.809	.723
MAX RADIUS	1.916	1.596	1.393
HORIZONTAL SPREAD	2.911	2.077	1.949
VERTICAL SPREAD	2.269	2.269	1.950
EXTREME SPREAD	3.513	3.076	2.225
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

3 Nov 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C6346907

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 7

3 in = 10

HS = 2.040

VS = 2.079

GS = 2.537

CENTROID #

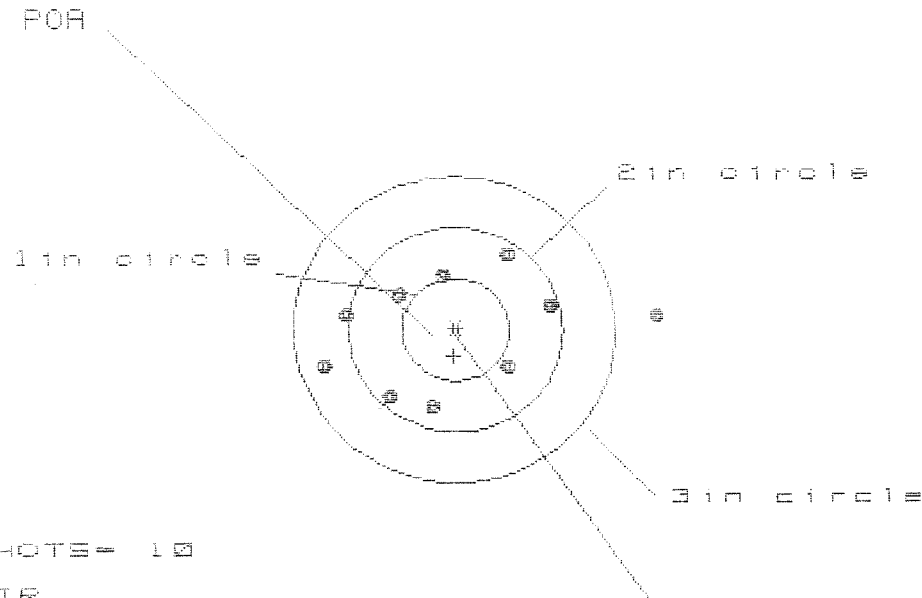
PATTERN #	2	3	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.992	.688	.740
MINIMUM X	-1.049	-.938	-.886
MAXIMUM Y	.842	.931	.788
MINIMUM Y	-1.237	-1.148	-.759
CENTROID X	-.068	-.178	-.238
CENTROID Y	-.205	-.294	-.151
POB TO CENTROID in.	.216	.344	.275
MIN RADIUS	.543	.507	.558
MEAN RADIUS	.860	.815	.749
MAX RADIUS	1.276	1.221	1.167
HORIZONTAL SPREAD	2.040	1.626	1.626
VERTICAL SPREAD	2.079	2.079	1.547
EXTREME SPREAD	2.537	2.080	2.019
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 0

2in = 7

3in = 9

HS= 3.073

VS= 1.498

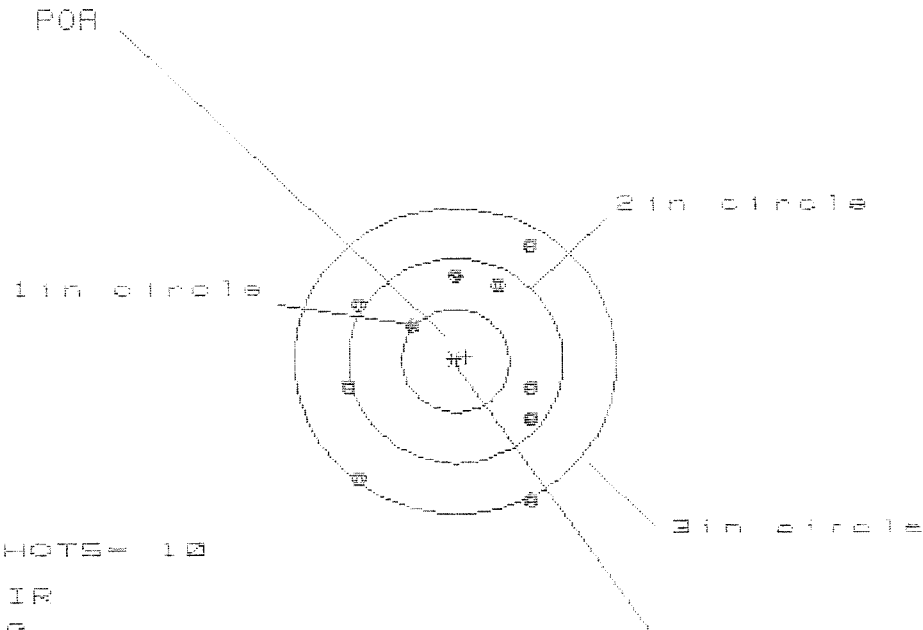
CS= 3.114

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.851	1.117	.990
MINIMUM X	:	-1.222	-1.016	-.918
MAXIMUM Y	:	.717	.736	.698
MINIMUM Y	:	-.781	-.762	-.808
CENTROID X	:	.019	-.187	-.060
CENTROID Y	:	.259	.240	.278
POA TO CENTROID in.	:	.259	.304	.285
MIN RADIUS	:	.556	.458	.519
MEAN RADIUS	:	.940	.813	.779
MAX RADIUS	:	1.859	1.147	1.014
HORIZONTAL SPREAD	:	3.073	2.133	1.908
VERTICAL SPREAD	:	1.498	1.498	1.498
EXTREME SPREAD	:	3.114	2.208	1.911
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 0

2in = 7

3in = 10

HS= 1.705

VS= 2.496

GS= 2.860

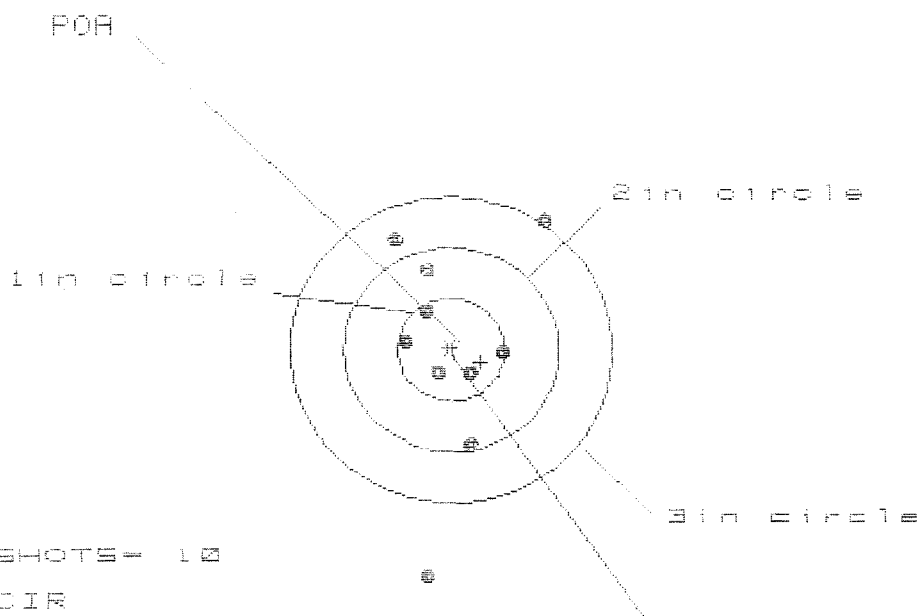
CENTROID #

PATTERN #	4	4	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.746	.647	.716
MINIMUM X	-.959	-1.050	-.989
MAXIMUM Y	1.159	1.026	.843
MINIMUM Y	-1.337	-1.470	-.906
CENTROID X	-.093	.001	-.060
CENTROID Y	-.042	.091	.274
POA TO CENTROID in.	.106	.091	.283
MIN RADIUS	.550	.575	.473
MEAN RADIUS	1.025	.954	.843
MAX RADIUS	1.487	1.569	1.155
HORIZONTAL SPREAD	1.705	1.705	1.705
VERTICAL SPREAD	2.496	2.496	1.749
EXTREME SPREAD	2.860	2.498	2.204
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	10	

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 4

2in = 7

3in = 8

HS = 1.300

VS = 3.500

CS = 3.693

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.897	.869	.600
MINIMUM X	-.483	-.511	-.403
MAXIMUM Y	1.323	1.080	1.005
MINIMUM Y	-2.186	-1.185	-1.050
CENTROID X	-.276	-.248	-.356
CENTROID Y	.123	.365	.230
POA TO CENTROID in.	.302	.441	.424
MIN RADIUS	.283	.279	.294
MEAN RADIUS	.876	.730	.617
MAX RADIUS	2.200	1.306	1.082
HORIZONTAL SPREAD	1.380	1.380	1.003
VERTICAL SPREAD	3.500	2.265	2.055
EXTREME SPREAD	3.693	2.392	2.144
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		