

05348730

MODEL 760™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Aims Services Repair & Estimate System

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

Repair Inquiry

Repair Number: **RE00052607** Serial: **C6348730** Model: **700** Center Fire Caliber: **7.62 NATO M-24 (SWS)** Repairman: Status: **Closed 9/19/02 2:25:18 PM**

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☒ Received From

Name: **A CO** **A CO**

Address 1: **3/1 SFG (A)** **3/1 SFG (A)**

Address 2: PO Box: PO Box:

City: **FORT BRAGG** **FORT 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

Condition:

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
X	FRT & REAR SGT BA	1

Repair Search Refresh Close

raglet 9/19/02 3:23 PM 4PS NUM INS SERL

Start SA P U S S B S N G R S 3:23 PM

Serial Number: **C6348730**

Model: **700**



RE00052607

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348730.___0

FILE DATE AND TIME: 10/16/2002 13:51

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

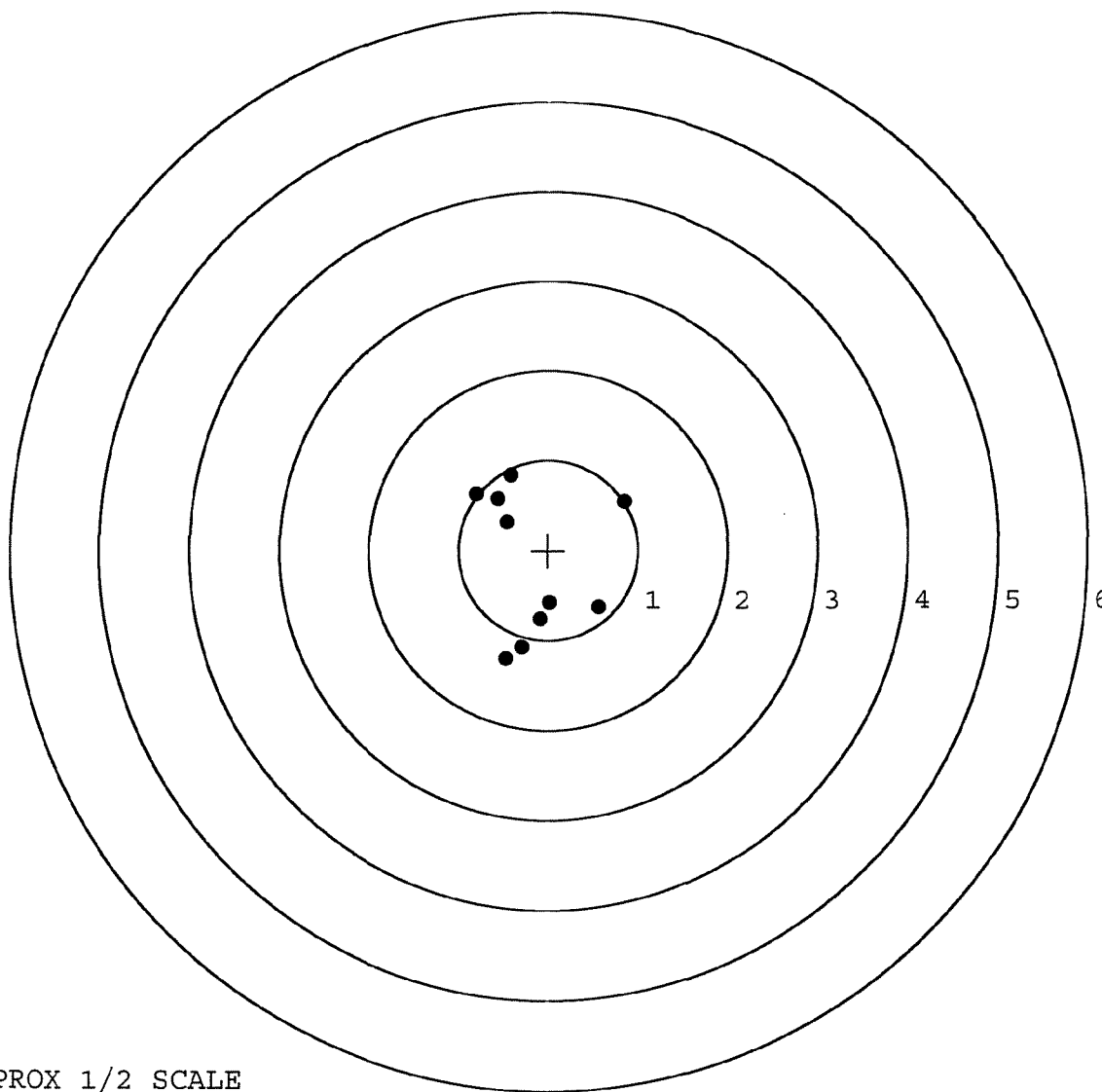
The Average X Centroid of the Five Target Set:	0.005
The Average Y Centroid of the Five Target Set:	-0.222
The Average Point of Impact of the Five Target Set:	0.222
The Average Mean Radius of the Five Target Set:	0.686
The Distance from POA to Centroid Target #1:	0.219
The Distance from Centroid Target #2 to Centroid Target #1:	0.087
The Distance from Centroid Target #3 to Centroid Target #1:	0.713
The Distance from Centroid Target #4 to Centroid Target #1:	0.244
The Distance from Centroid Target #5 to Centroid Target #1:	0.269

SERIAL NUMBER: C6348730. __0
TARGET NUMBER: 1
FILE DATE: 10/16/2002
FILE TIME: 13:51

X CENTROID: -0.170
Y CENTROID: -0.138
POA TO CENTROID: 0.219
HORZ SPREAD: 1.655
VERT SPREAD: 2.042
GROUP SPREAD: 2.200
MIN RADIUS: 0.482
MAX RADIUS: 1.227
MEAN RADIUS: 0.867

POINT#	X	Y
1:	0.565	-0.637
2:	0.014	-0.584
3:	-0.088	-0.771
4:	-0.294	-1.086
5:	-0.479	-1.208
6:	-0.473	0.314
7:	-0.806	0.632
8:	-0.419	0.834
9:	-0.569	0.577
10:	0.849	0.546

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

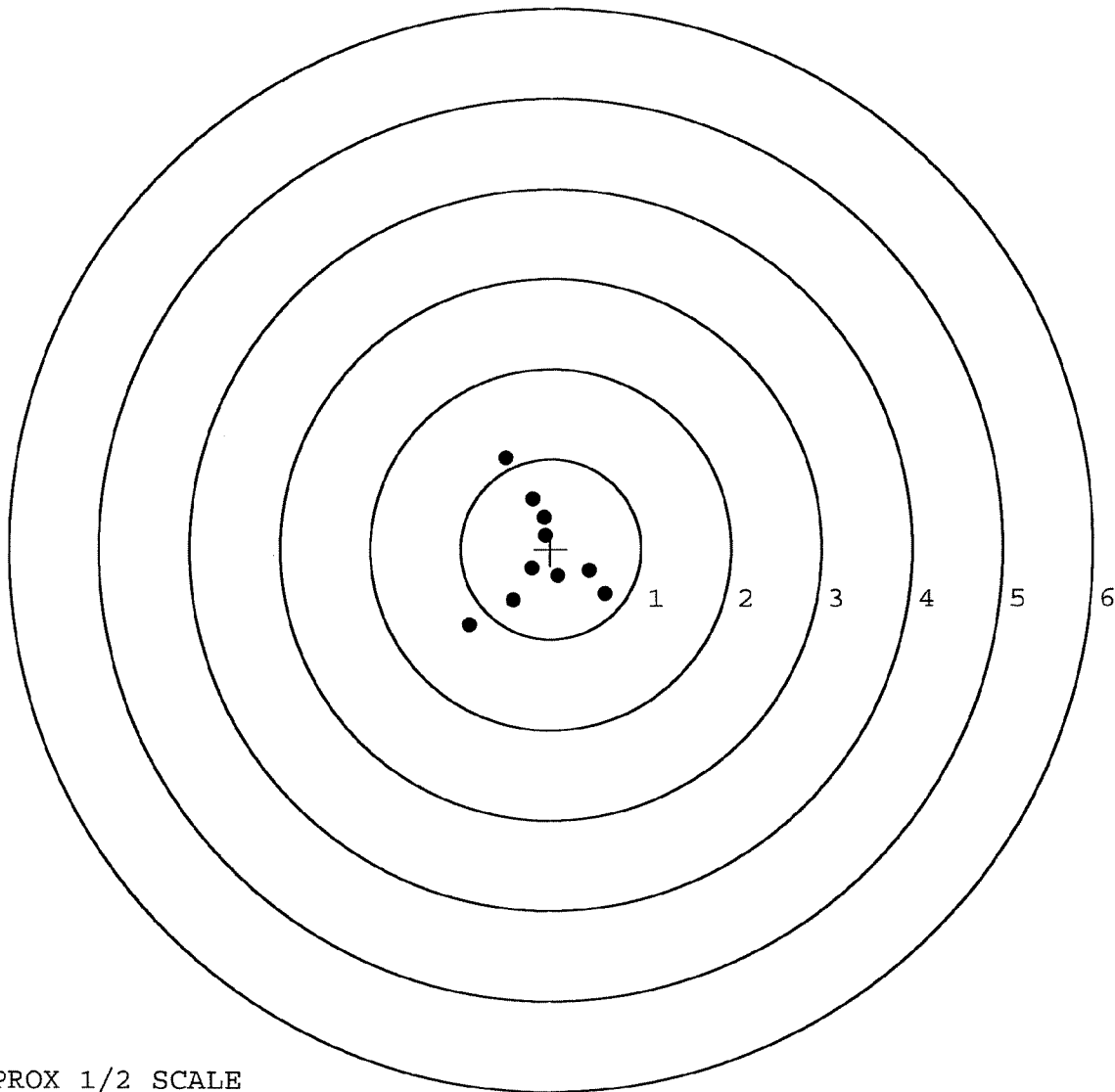


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348730. __0
TARGET NUMBER: 2
FILE DATE: 10/16/2002
FILE TIME: 13:51

X CENTROID: -0.125
Y CENTROID: -0.063
POA TO CENTROID: 0.140
HORZ SPREAD: 1.506
VERT SPREAD: 1.860
GROUP SPREAD: 1.903
MIN RADIUS: 0.177
MAX RADIUS: 1.138
MEAN RADIUS: 0.603
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.602	-0.504
2:	0.086	-0.300
3:	-0.414	-0.579
4:	-0.904	-0.849
5:	-0.066	0.149
6:	-0.200	0.556
7:	-0.501	1.011
8:	-0.079	0.349
9:	-0.209	-0.219
10:	0.432	-0.246

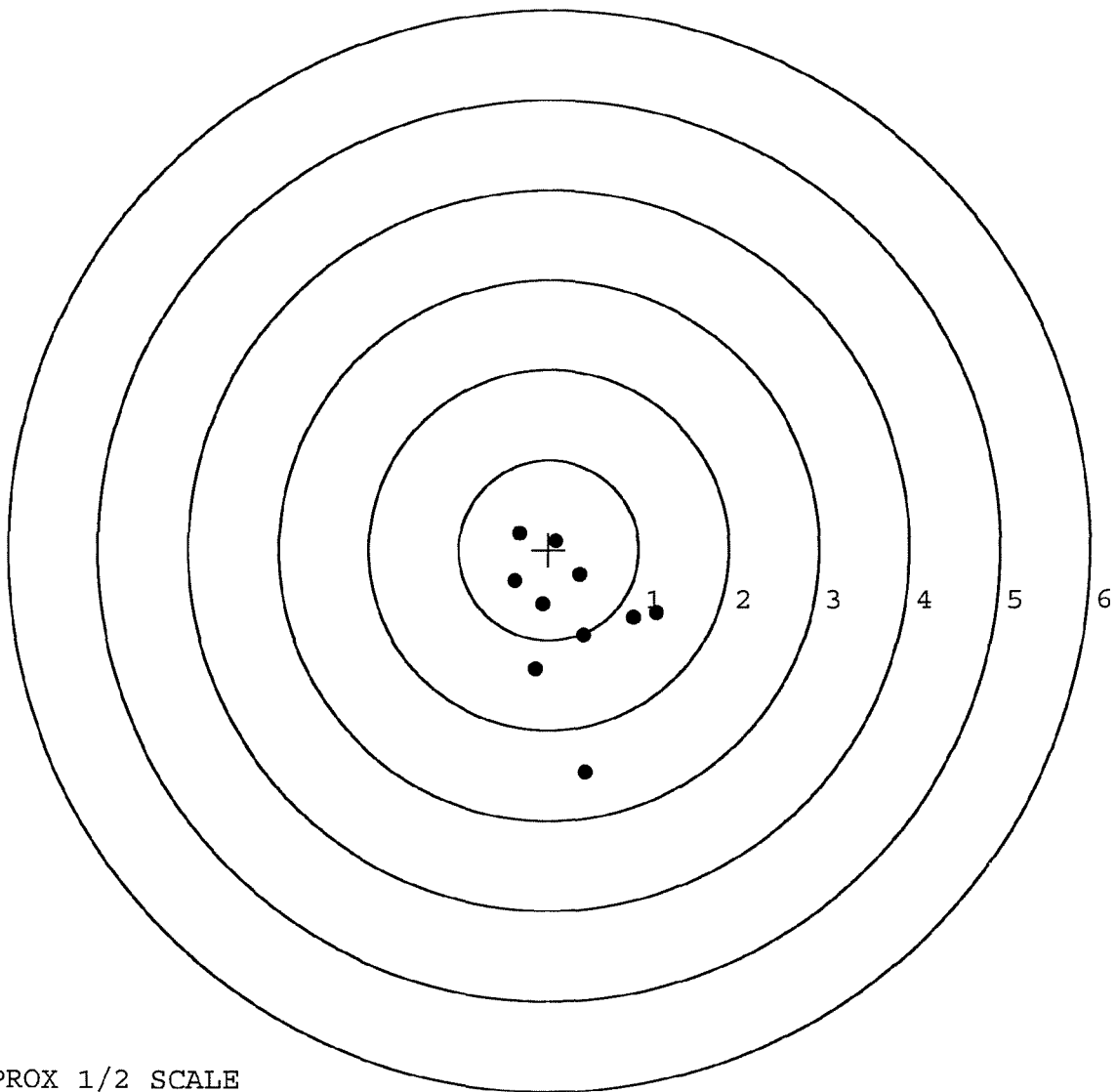


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348730. __0
TARGET NUMBER: 3
FILE DATE: 10/16/2002
FILE TIME: 13:51

X CENTROID: 0.246
Y CENTROID: -0.717
POA TO CENTROID: 0.758
HORZ SPREAD: 1.568
VERT SPREAD: 2.652
GROUP SPREAD: 2.755
MIN RADIUS: 0.274
MAX RADIUS: 1.763
MEAN RADIUS: 0.782
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.194	-0.702
2:	0.945	-0.757
3:	0.348	-0.274
4:	-0.070	-0.609
5:	-0.142	-1.332
6:	-0.327	0.181
7:	0.420	-2.471
8:	0.081	0.096
9:	-0.374	-0.348
10:	0.389	-0.950

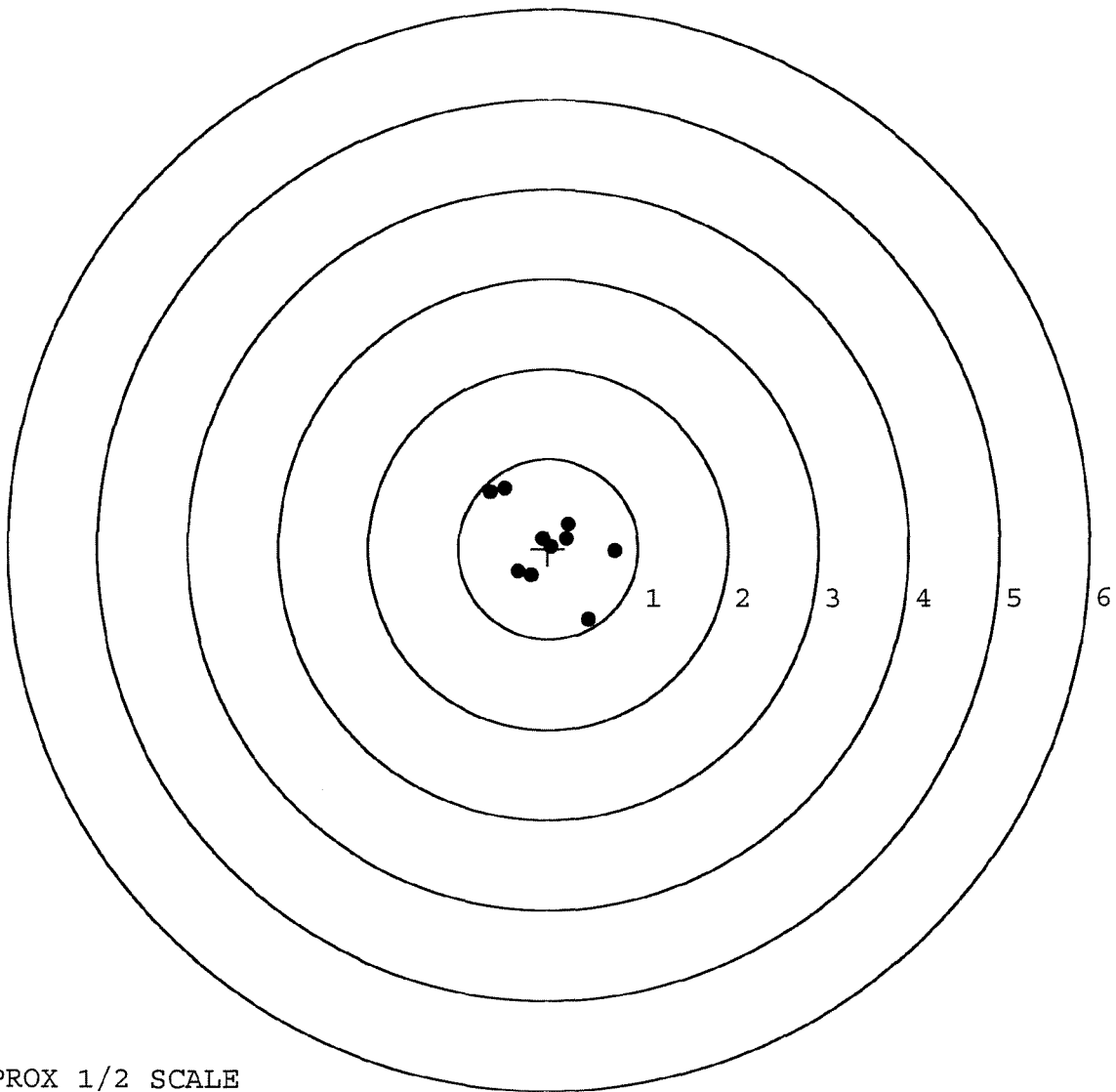


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348730. 0
TARGET NUMBER: 4
FILE DATE: 10/16/2002
FILE TIME: 13:51

X CENTROID: -0.008
Y CENTROID: 0.044
POA TO CENTROID: 0.045
HORZ SPREAD: 1.394
VERT SPREAD: 1.471
GROUP SPREAD: 1.803
MIN RADIUS: 0.051
MAX RADIUS: 0.952
MEAN RADIUS: 0.489
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.447	-0.792
2:	0.741	-0.032
3:	0.225	0.267
4:	-0.340	-0.260
5:	-0.190	-0.302
6:	-0.653	0.636
7:	-0.488	0.679
8:	-0.064	0.107
9:	0.039	0.025
10:	0.201	0.113



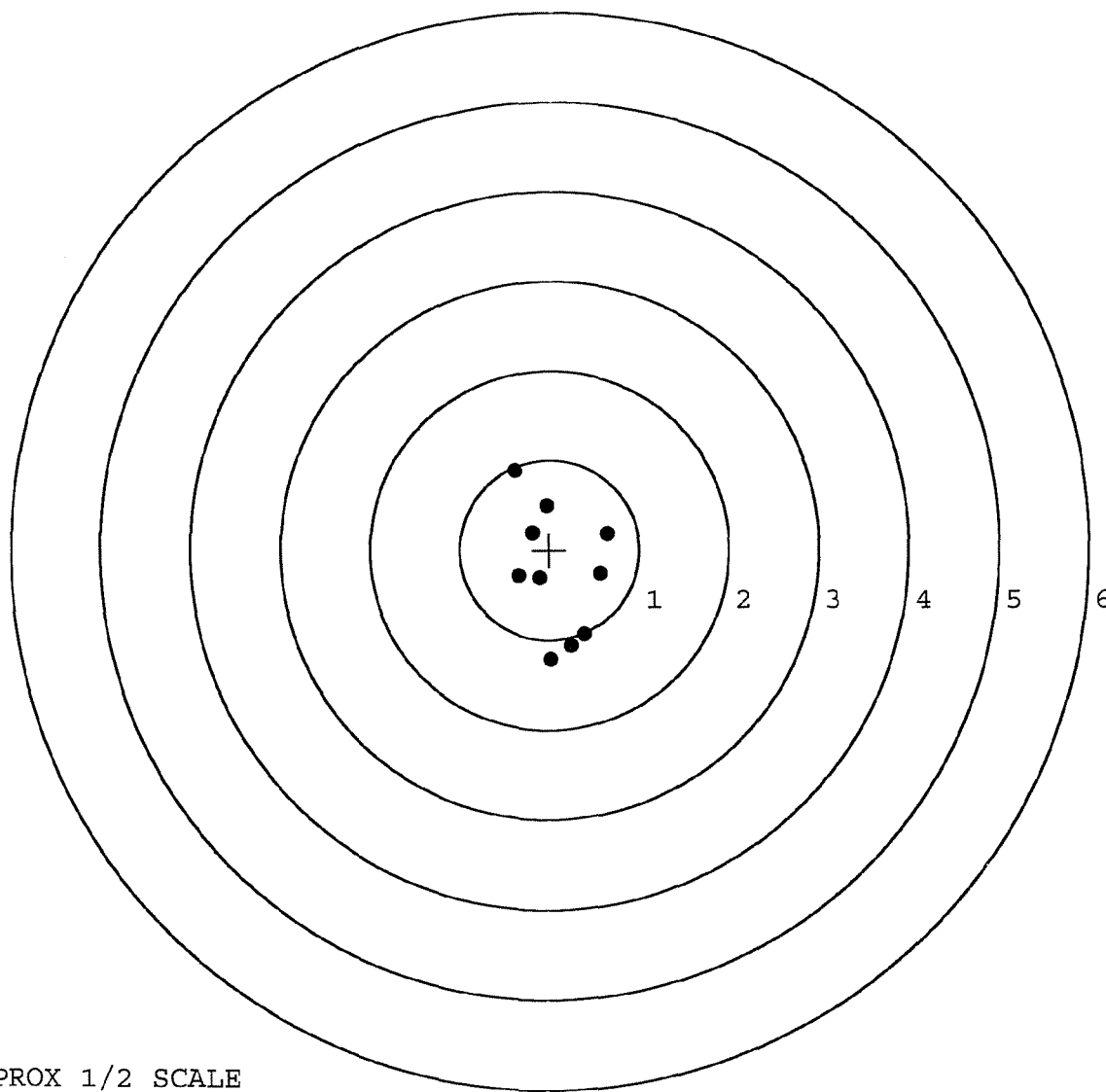
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348730. __0
TARGET NUMBER: 5
FILE DATE: 10/16/2002
FILE TIME: 13:51

X CENTROID: 0.080
Y CENTROID: -0.237
POA TO CENTROID: 0.250
HORZ SPREAD: 1.032
VERT SPREAD: 2.097
GROUP SPREAD: 2.137
MIN RADIUS: 0.210
MAX RADIUS: 1.208
MEAN RADIUS: 0.689

POINT#	X	Y
1:	0.024	-1.221
2:	0.251	-1.071
3:	0.396	-0.946
4:	0.567	-0.263
5:	0.643	0.183
6:	-0.113	-0.319
7:	-0.343	-0.289
8:	-0.197	0.189
9:	-0.039	0.490
10:	-0.389	0.876

IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	52607		
SERIAL NUMBER	C6348730		
LOG-IN DATE	9/19/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9/23/02	RL
560 A	RE-BARREL	9/23/02	RL
B	DRILL AND TAP	9-23-02	AC
575	ASSEMBLE	9/24/02	RL
600	PROOF	9-24-02	AC
605	CHECK HEADSPACE	9-24-02	AC
610	DIS-ASSEMBLE GUN	9/24/02	RL
612	MAGNAFLUX	RL	
615	ROLLMARK CALIBER	9/27/02	TL
618	ROTO-BLAST	9/30/02	KO
620	APPLY COATINGS	10-5	TA
625 A	FINAL ASSEMBLY	10/9/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-15-02	TRW
655	FINAL INSPECT	10-15-02	RL
660	PACK	10-15-02	DA.
		SHIP DATE	
	QAR INSPECTION DATE		

Final Inspection

In: C 6348738

DATE REC'D: 9/19/02

DATE RET'D: 10/15/02

EDITOR: RL

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: _____

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 96-16374

INITIAL CUSTOMER ORDER NO.

JJM

M-24 SNIPER

DATE RECEIVED

07/15/96

DATE OPENED

07/15/96

DATE CODE

SERIAL NUMBER

C6348730

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

BOLT ASSY.

B3

BARREL ASSY.

B4

REC. ASSY.

B5

WOOD

C1

METAL

C2

MAIN FAULT

PARTS

COMMENTS

Barrel

96003

Repowder Coat Trigger Guard
Assy. Front & Rear Sight
Bases
Re-zinc Scope Base &
Swivel Studs

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

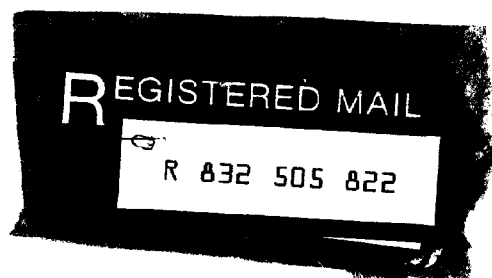
DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400062594



DEPARTMENT OF THE ARMY

C 31 SFG (A)

FORT LEWIS, WA 98433

OFFICIAL BUSINESS

DA Label 18-1, Sep 83
Edition of Oct 74 will be used until exhausted.

Remington Arms Co Inc.
ATTN: Fabricated Products Dept
14 Hoefler Avenue
Ilion, NY 13357-1816

BOA No. DAAA09-92-C-0834

JUN
1983

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 SSS						
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 b — Enter the applicable condition status symbol.			COLUMN c — Enter deficiencies and shortcomings.			COLUMN d — Show corrective action for deficiency or shortcoming listed in Column c.	
										COLUMN e — Individual ascertaining completed corrective action initial in this column.	
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				*EXCESS OF 10,000 RDS					
		C6225181				PER GUN, EACH NEEDS					
		C6225524				RE-BARRELING					
		C6348969				T/I TRIGGERS/STOCKS					
		C6348954				T/I TRIGGERS/STOCKS					
		C6225270				*THESE WEAPONS WERE					
		C6225467				SHOT IN THE LAST 15					
		C6348907				SNIPER CLASS, SNIPER					
		C6225409				COMMITTEE SAID THEY					
		C6348868				NEED RE-BARRELING					
		C6225174				DUE TO POOR SHOT PERFORMANCE					
		C6348981				AND EXCESS RDS.					
						//					
						*EACH WEAPON HAS A					
						SCOPE MOUNT					
		P.O.C. SSG DELK									
		3RD BN 1ST SFG(A)									
						(206) 967-8813/8896					

DA FORM 2404
1 APR 79

Replaces edition of 1 Jan 64, which will be used

Final Inspection

Sn: C6348730

DATE REC'D: 7/15/96

DATE RET'D:

Auditor: AW

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:

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					

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348730

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	10/31/89		KCR
	Magnaflux Bolt	10/31/89		KCR
615	Rollmark Caliber			
.7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	THA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/6/89	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/6/89	Rw
	C) Inspect Ejector Hole for Chamfer		11/6/89	Rw
	D) Oil Firing Pin Ass'y		11/6/89	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		8/13/89	928

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			11-8-89	JS
	G) Safety Off Force	3	3	3			11-8-89	JS
	H) Trigger Pull Test & Retainability						8/10/89	JS
	I) Firing Pin Indent	.021	.0205	.0205			11-8-89	JS
	J) Assemble Stock						11/13/89	RW
	K) Assemble Swivel Studs						11/13/89	JS
	L) Attach Front and Rear Sight Assemblies						11/13/89	RW
	M) Iron Sight Alignment						11/13/89	RW
	N) Detach Front & Rear Sights & place in numbered container						11/13/89	RW
	O) Attach Scope to Rifle						13/10/89	JS
	P) Detach & Attach Scope 20 Times						13/10/89	JS
640	Gallery Target & Test						11-16-89	DH
	A) Time						11-16-89	DH
	B) Malfunctions						11-16-89	DH
	C) Pierced Primers						11-16-89	DH
	D) Optical Clarity of Scope						11-16-89	DH
645	Inspect for Live Ammo						11-16-89	DH
655	Final Inspection							
	A) Headspace						17/10/89	JS
	B) Trigger Pull	2.78	2.72	2.80	2.86	2.88	17/10/89	JS
	C) Function						17/10/89	JS
660	Pack						14/Dec/89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6348730

DATE 3-30-98

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.53		2.56	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.47		2.56	
PULL #3	2.41	2.49		2.51	
PULL #4	2.44	2.43		2.52	
PULL #5	2.48	2.47		2.52	
TOTAL	11.99	12.39		12.67	
AVG.	2.398	2.478		2.534	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.41		
PULL #2	3.32	3.43		
PULL #3	3.49	3.46		
PULL #4	3.31	3.47		
PULL #5	3.39	3.44		
TOTAL	16.87	17.21		
AVG.	3.374	3.442		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.26		
PULL #2	4.25	4.26		
PULL #3	4.27	4.29		
PULL #4	4.20	4.25		
PULL #5	4.17	4.19		
TOTAL	21.15	21.25		
AVG.	4.23	4.25		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348730
16 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.628405
1 TO	2	.612805
1 TO	3	.689235
1 TO	4	.686925
1 TO	5	.554092

$\bar{x}_2$ $\leftarrow$ ---POA

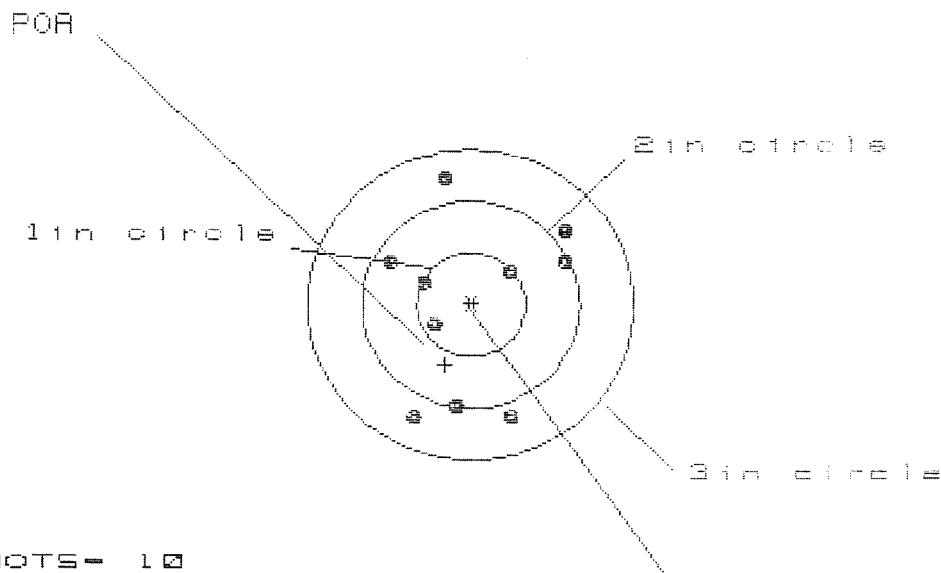
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3214
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1132
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .348752

THE AMR FOR THIS RIFLE IS: .8764

16 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348730

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.597

VS= 2.282

GS= 2.366

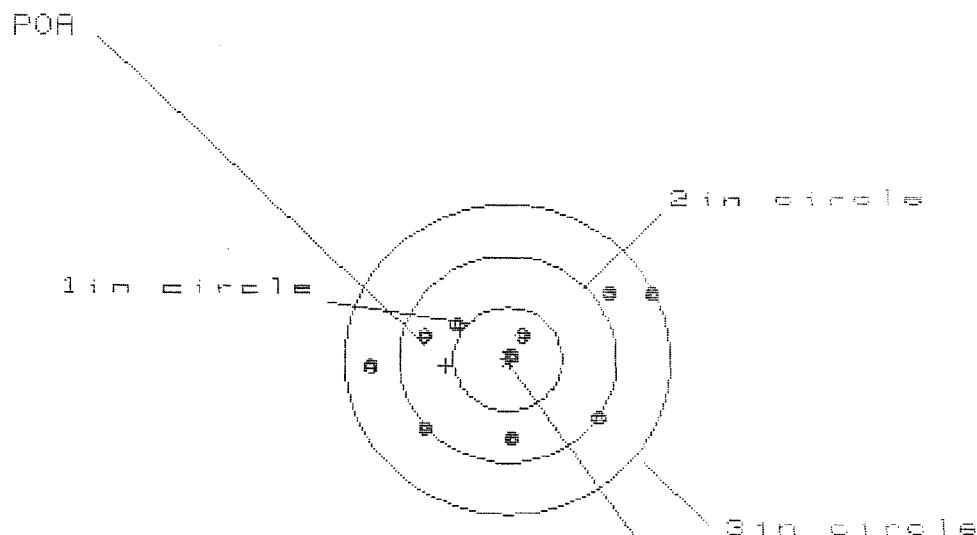
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.859	.827	.762
MINIMUM X	-.738	-.770	-.835
MAXIMUM Y	1.186	.894	.780
MINIMUM Y	-1.096	-.965	-1.079
CENTROID X	.237	.269	.334
CENTROID Y	.582	.451	.565
POA TO CENTROID in.	.629	.525	.657
MIN RADIUS	.366	.347	.443
MEAN RADIUS	.878	.840	.806
MAX RADIUS	1.220	1.218	1.106
HORIZONTAL SPREAD	1.597	1.597	1.597
VERTICAL SPREAD	2.282	1.859	1.859
EXTREME SPREAD	2.366	2.258	1.997
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

16 May 1985

FILE:/PATTERNING/CENTERFIRE_PATT/08348730

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 6

3 in - 10

HS- 2.577

VS- 1.418

GS- 2.667

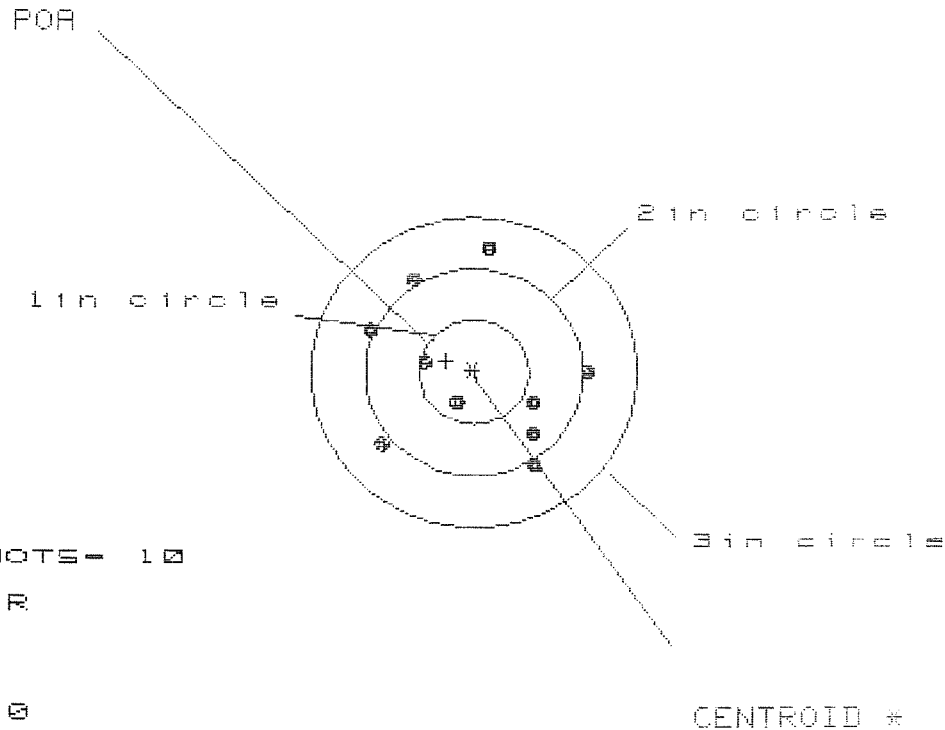
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.324	1.067	.929
MINIMUM X	:	-1.253	-1.106	-.771
MAXIMUM Y	:	.651	.718	.714
MINIMUM Y	:	-.766	-.700	-.704
CENTROID X	:	.566	.419	.557
CENTROID Y	:	.065	-.001	.003
POA TO CENTROID in.	:	.570	.419	.557
MIN RADIUS	:	.022	.160	.081
MEAN RADIUS	:	.833	.766	.712
MAX RADIUS	:	1.452	1.286	1.172
HORIZONTAL SPREAD	:	2.577	2.173	1.700
VERTICAL SPREAD	:	1.418	1.418	1.418
EXTREME SPREAD	:	2.667	2.297	2.149
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

16 Nov 1985

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 10

HS= 1.957

VS= 2.062

GS= 2.149

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.040
MINIMUM X	-.917
MAXIMUM Y	1.218
MINIMUM Y	-.844
CENTROID X	.255
CENTROID Y	-.107
POA TO CENTROID in.	.277
MIN RADIUS	.325
MEAN RADIUS	.869
MAX RADIUS	1.232
HORIZONTAL SPREAD	1.957
VERTICAL SPREAD	2.062
EXTREME SPREAD	2.149
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	10

16 May 1989

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 4

3 in = 10

HS= 2.003

VS= 2.567

GS= 2.851

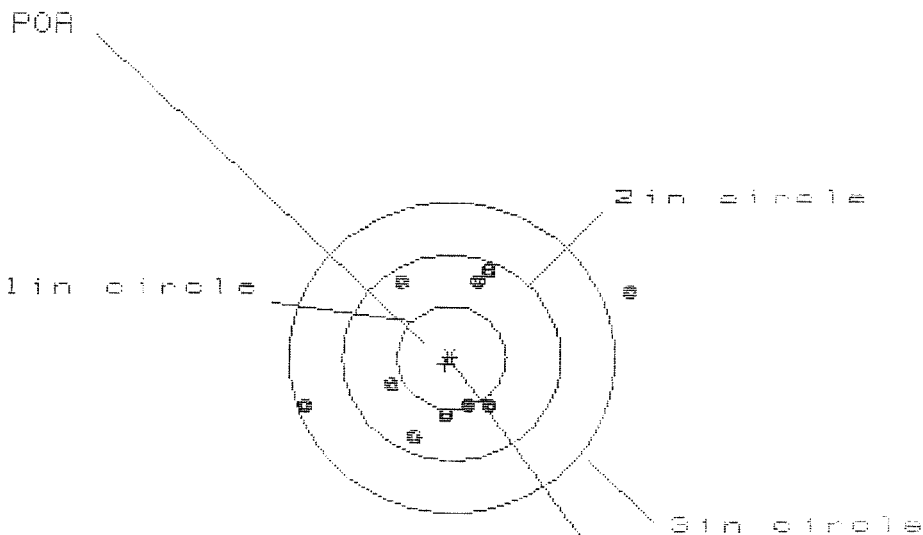
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.971	.921	1.015
MINIMUM X	-1.033	-1.082	-.988
MAXIMUM Y	1.148	.990	.966
MINIMUM Y	-1.419	-1.056	-.932
CENTROID X	.495	.544	.450
CENTROID Y	-.033	.125	.001
POA TO CENTROID in.	.496	.558	.450
MIN RADIUS	.229	.349	.243
MEAN RADIUS	.925	.869	.794
MAX RADIUS	1.486	1.397	1.242
HORIZONTAL SPREAD	2.003	2.003	2.003
VERTICAL SPREAD	2.567	2.046	1.898
EXTREME SPREAD	2.851	2.638	2.387
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	10		

16 Nov 1989

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 9

HS= 3.0008

VS= 1.553

GS= 3.173

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.638	.571	.422
MINIMUM X	:	-1.370	-1.188	-.469
MAXIMUM Y	:	.802	.867	.824
MINIMUM Y	:	-.751	-.686	-.729
CENTROID X	:	.054	-.128	.020
CENTROID Y	:	.059	-.006	.037
POA TO CENTROID in.	:	.080	.128	.043
MIN RADIUS	:	.488	.393	.481
MEAN RADIUS	:	.877	.761	.696
MAX RADIUS	:	1.742	1.239	.928
HORIZONTAL SPREAD	:	3.008	1.759	.912
VERTICAL SPREAD	:	1.553	1.553	1.553
EXTREME SPREAD	:	3.173	2.075	1.674
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	



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