

05348902

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: **RE00102720**

Serial: C6348902 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 10/25/2005 11:08:10 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: **COMMANDER**

COMMANDER

Address 1: **CPT BENJAMIN MARLIN**

CPT BENJAMIN MARLIN

Address 2: **CMR 457**

P.O. Box:

CMR 457

P.O. Box:

City: **APO AE**

APO AE

State: **NJ**

Zip Code: **09033**

Country: **US**

State: **NJ**

Zip Code: **09033**

Country: **US**

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: **NA**

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A009	Soft Case	1
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Br se	1
C000	SCOPE CASE	1

Repair Search

Refresh

Close

magletj

10/25/2005

12:44 PM

CAPS

NUM

JINS

SCPL

start

2

4

5

Arms Serv

Serial Number: **C6348902**

Model: **M24 SWS**



RE00102720

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348902.___0

FILE DATE AND TIME: 11/15/2005 10:47

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.053
The Average Y Centroid of the Five Target Set:	0.049
The Average Point of Impact of the Five Target Set:	0.072
The Average Mean Radius of the Five Target Set:	0.754
The Distance from POA to Centroid Target #1:	0.425
The Distance from Centroid Target #2 to Centroid Target #1:	0.299
The Distance from Centroid Target #3 to Centroid Target #1:	0.584
The Distance from Centroid Target #4 to Centroid Target #1:	0.489
The Distance from Centroid Target #5 to Centroid Target #1:	0.465

SERIAL NUMBER: C6348902. __0

TARGET NUMBER: 1

FILE DATE: 11/15/2005

FILE TIME: 10:47

POINT#	X	Y
1:	0.640	0.207
2:	0.603	0.436
3:	0.089	0.597
4:	-0.287	-0.084
5:	-0.287	-0.374
6:	-0.131	-0.517
7:	-0.497	1.463
8:	-0.596	1.571
9:	-1.195	1.963
10:	-0.371	-1.534

X CENTROID: -0.203

Y CENTROID: 0.373

POA TO CENTROID: 0.425

HORZ SPREAD: 1.835

VERT SPREAD: 3.497

GROUP SPREAD: 3.593

MIN RADIUS: 0.368

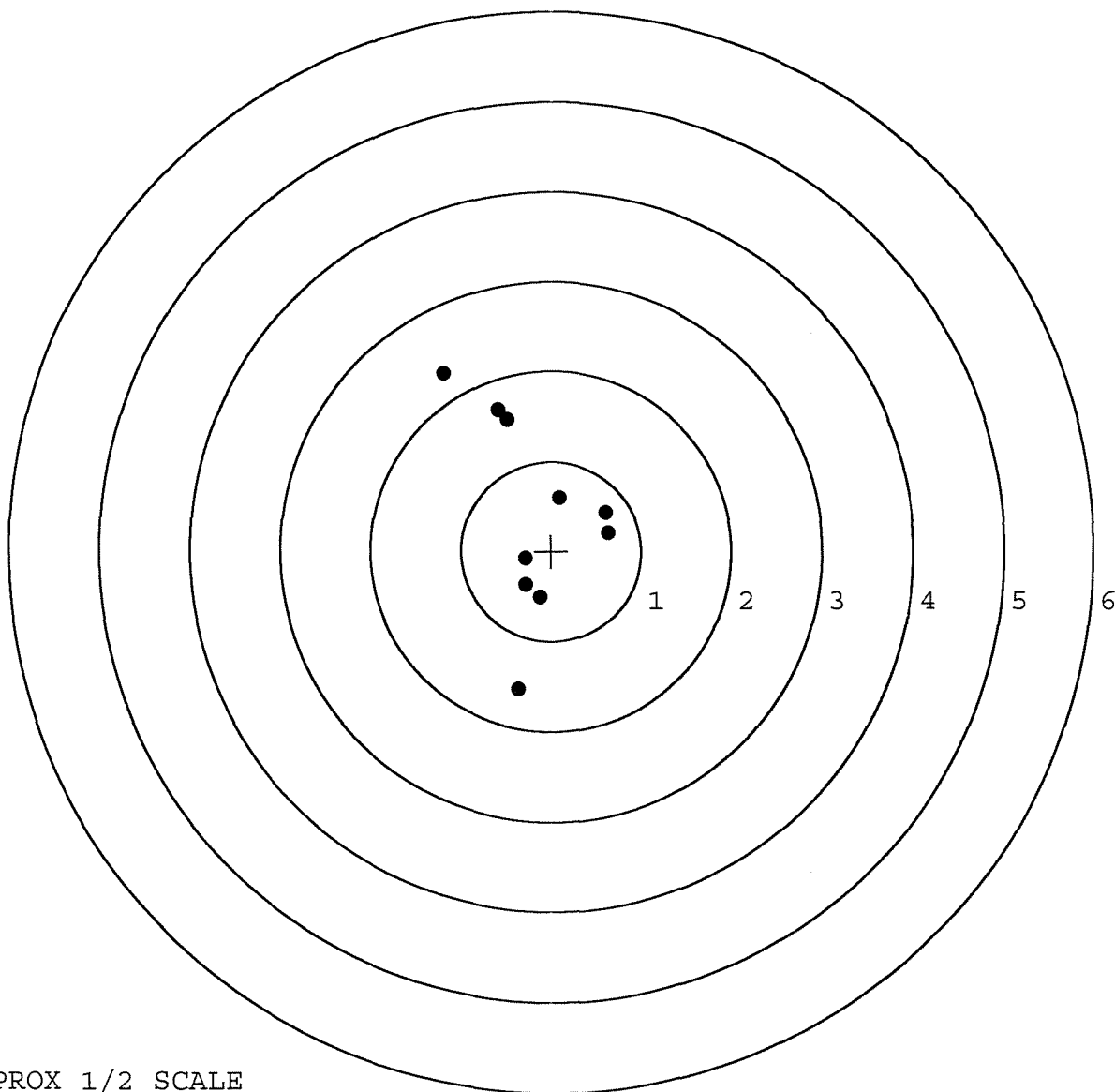
MAX RADIUS: 1.914

MEAN RADIUS: 1.032

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348902. __0

TARGET NUMBER: 2

FILE DATE: 11/15/2005

FILE TIME: 10:47

X CENTROID: -0.162

Y CENTROID: 0.077

POA TO CENTROID: 0.180

HORZ SPREAD: 1.619

VERT SPREAD: 3.160

GROUP SPREAD: 3.487

MIN RADIUS: 0.143

MAX RADIUS: 1.750

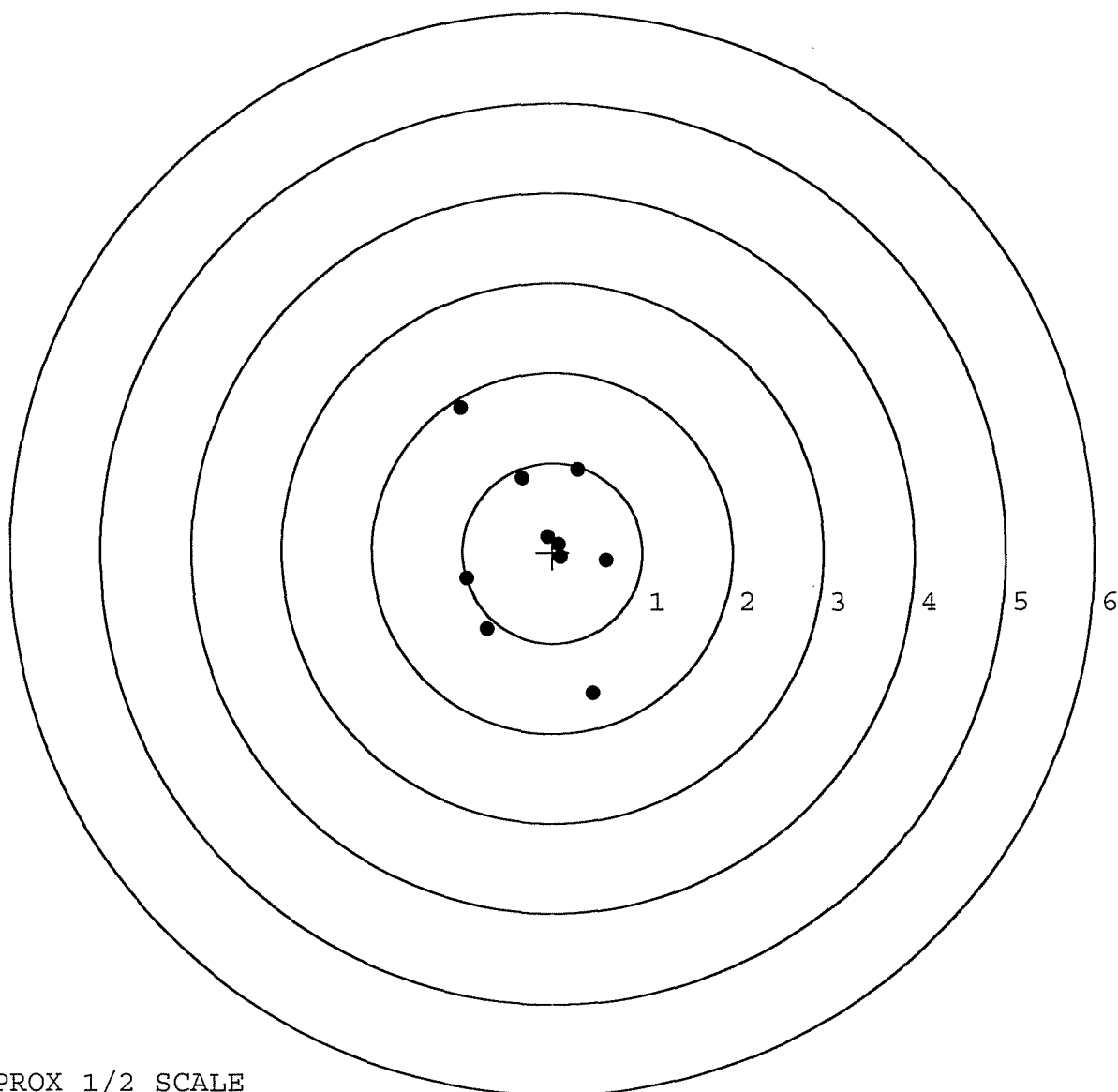
MEAN RADIUS: 0.863

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.452	-1.560
2:	-0.730	-0.851
3:	-0.959	-0.294
4:	0.596	-0.088
5:	0.281	0.920
6:	-0.341	0.833
7:	-1.023	1.600
8:	-0.059	0.176
9:	0.068	0.092
10:	0.093	-0.059

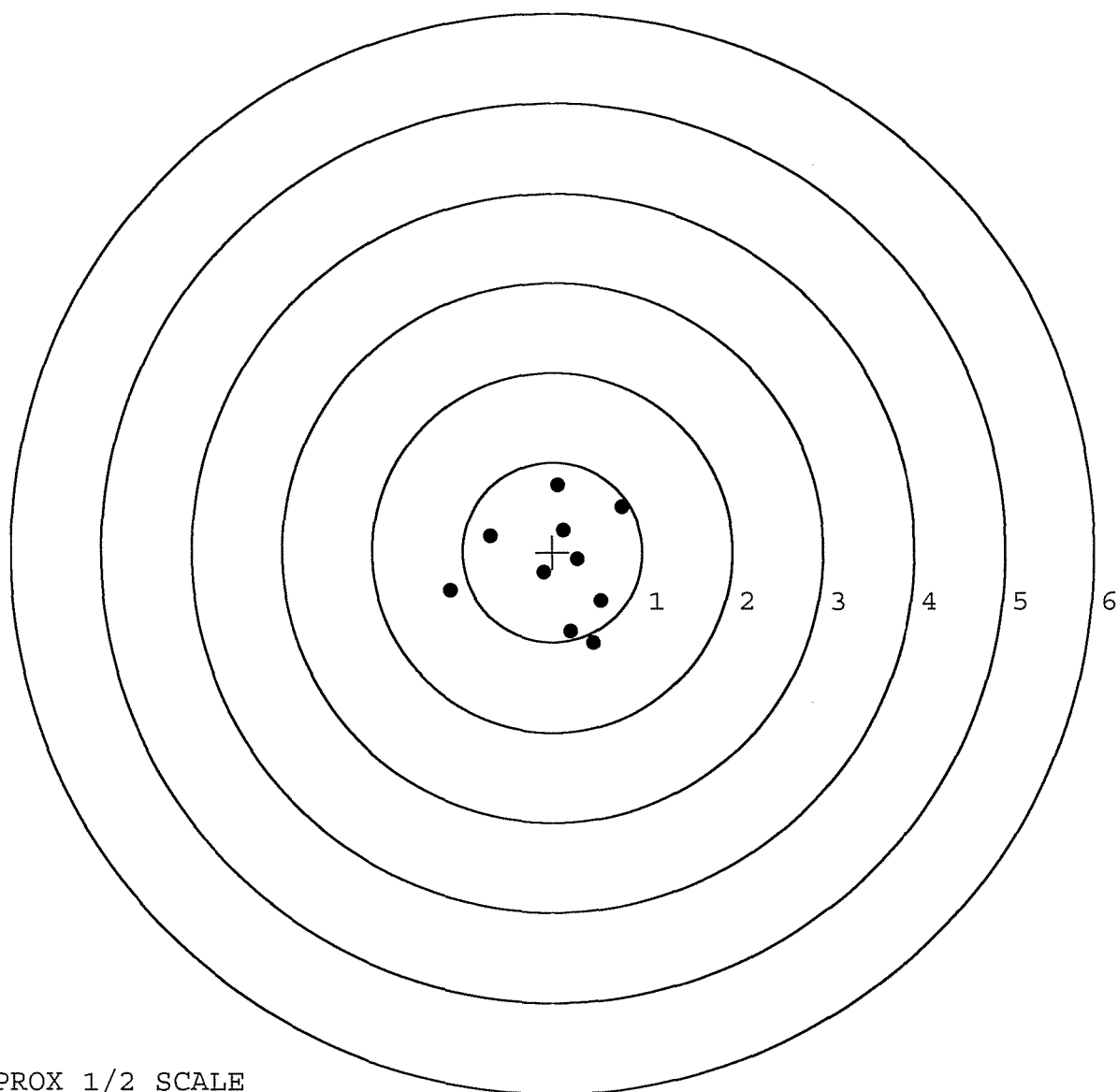


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348902. __0
TARGET NUMBER: 3
FILE DATE: 11/15/2005
FILE TIME: 10:47

X CENTROID: 0.050
Y CENTROID: -0.153
POA TO CENTROID: 0.161
HORZ SPREAD: 1.909
VERT SPREAD: 1.756
GROUP SPREAD: 2.127
MIN RADIUS: 0.170
MAX RADIUS: 1.222
MEAN RADIUS: 0.704
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.202	-0.888
2:	0.540	-0.545
3:	0.770	0.501
4:	0.056	0.742
5:	0.126	0.241
6:	0.275	-0.084
7:	-0.102	-0.230
8:	-0.690	0.179
9:	-1.139	-0.436
10:	0.457	-1.014



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348902. __0

TARGET NUMBER: 4

FILE DATE: 11/15/2005

FILE TIME: 10:47

X CENTROID: -0.077

Y CENTROID: -0.100

POA TO CENTROID: 0.126

HORZ SPREAD: 1.458

VERT SPREAD: 2.104

GROUP SPREAD: 2.104

MIN RADIUS: 0.193

MAX RADIUS: 1.395

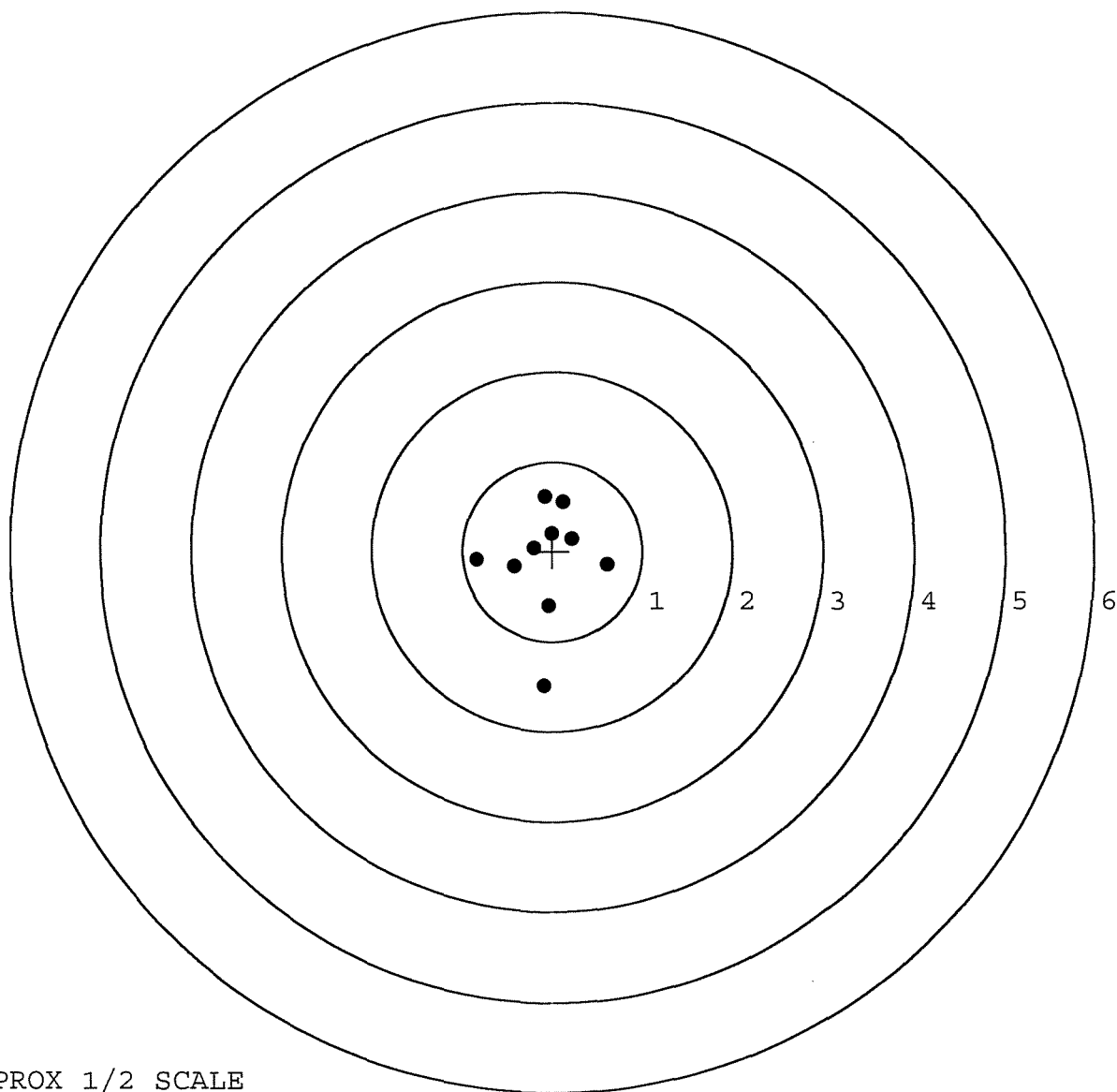
MEAN RADIUS: 0.599

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.094	-1.495
2:	-0.041	-0.611
3:	0.613	-0.147
4:	-0.845	-0.100
5:	-0.427	-0.176
6:	-0.213	0.038
7:	0.216	0.137
8:	-0.009	0.198
9:	0.120	0.551
10:	-0.093	0.609

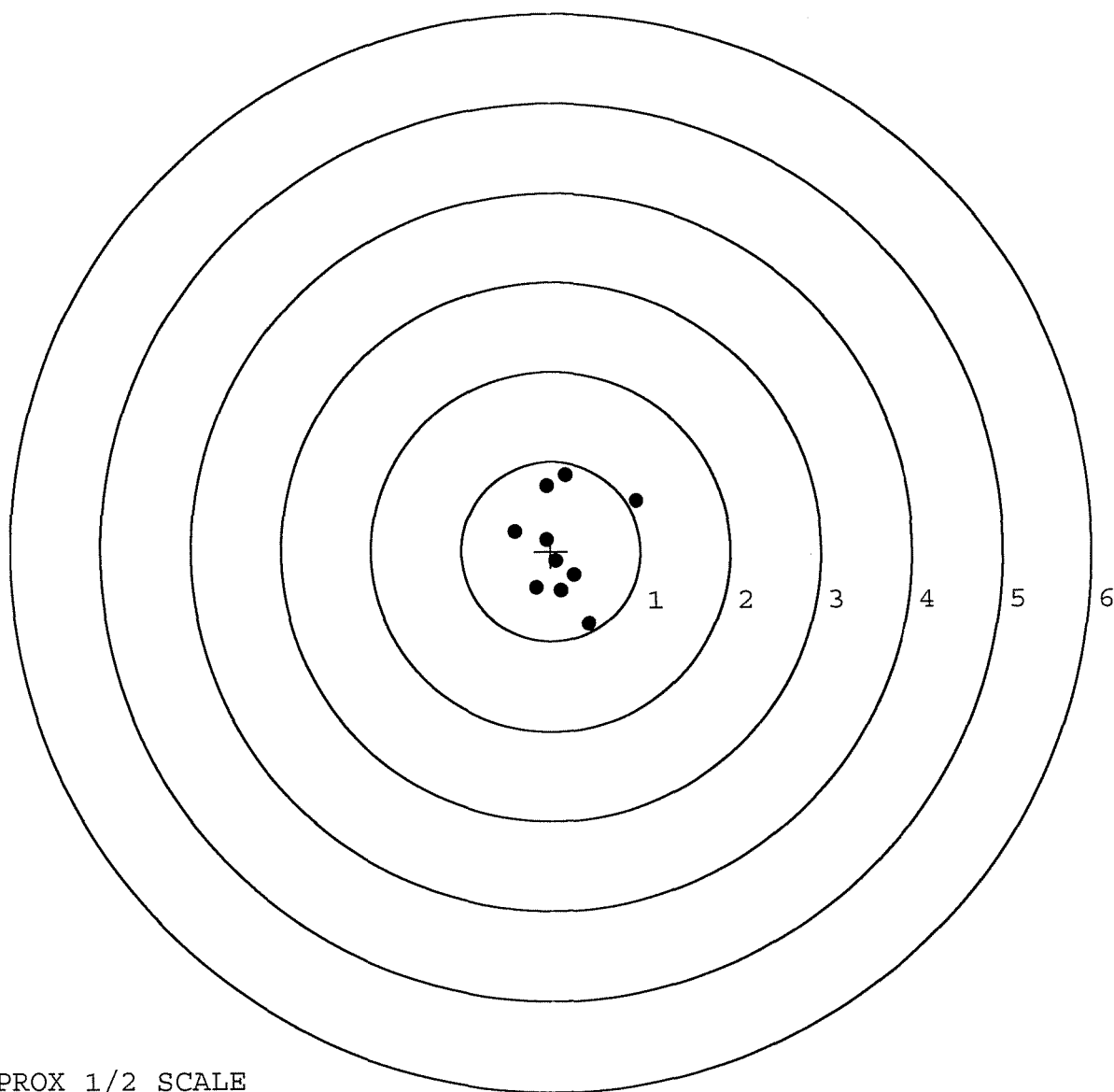


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348902. __0
TARGET NUMBER: 5
FILE DATE: 11/15/2005
FILE TIME: 10:47

X CENTROID: 0.129
Y CENTROID: 0.047
POA TO CENTROID: 0.137
HORZ SPREAD: 1.357
VERT SPREAD: 1.660
GROUP SPREAD: 1.484
MIN RADIUS: 0.175
MAX RADIUS: 0.974
MEAN RADIUS: 0.569
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.422	-0.807
2:	0.953	0.565
3:	0.165	0.853
4:	-0.048	0.732
5:	-0.404	0.224
6:	-0.049	0.127
7:	0.054	-0.112
8:	0.255	-0.266
9:	0.109	-0.442
10:	-0.169	-0.407



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	402720		
SERIAL NUMBER	C6348902		
LOG-IN DATE	10-25-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIALS
550	DIS-ASSEMBLE GUN	11-2-05	RTL
560 A	RE-BARREL	11-4-05	RTL
B	DRILL AND TAP	11-8-05	BR
575	ASSEMBLE	11-7-05	CD
600	PROOF MAGNA-FLUX	11-7-05	CD
605	CHECK HEADSPACE	11-7-05	CD
610	DIS-ASSEMBLE GUN	11-7-05	CD
612	MAGNAFLUX OPERATOR	11-8-05	uncl
615	ROLLMARK CALIBER	11-9-05	CW
618	ROTO-BLAST	11-10-05	LB
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY	11-14-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	11-15-05	AC
D	SAFETY "OFF" FORCE	11-15-05	AC
E	FIRING PIN INDENT	11-15-05	AC
640	TARGET	11-15-05	TRW
655	FINAL INSPECT	11-15-05	AC
660	PACK	11-17-05	RA
		SHIP DATE	
		QAR INSPECTION DATE	

USAPPC V1.00

WK4UFA

HHC 1/26

----- EQUIPMENT DATA -----

ADMIN NUM: SNRIF3
EQUIP MODEL: M24RIFLE
EQUIP NOUN: RIFLE 7.62MM SNIP
EQUIP NSN: 1005012402136

EQUIP SERIAL NUM: C6348902
REGISTRATION NUM:
TYPE INSPECTION: W
CURRENT READING: 000000

NUMBER
PUBLICATION: TM 9-1005-306-10
PUBLICATION:

DATE CHANGE NUMBER
06/89 09
--/--

INSPECTORS LIC #: _____ TIME: _____ SIGNATURE: _____ TIME: _____

----- SERVICE DUE DATA -----

	TYPE	DATE	MI/KM/HR
TYPE PMCS DUE:	-----	-----	0
NEXT OIL ANALYSIS DUE:	-----	-----	-----
NEXT LUBRICATION DUE:	-----	-----	-----
NEXT SPECIAL SERVICE DUE:	-----	-----	-----

----- PARTS REQUESTED -----

FAULT	DOC NUM	NIIN	NOUN	QTY DUE/REC	STATUS DATE	DATE COMP	P D R L I C
-------	---------	------	------	----------------	----------------	--------------	-------------------

----- MAINTENANCE FAULTS -----

ITEM NUM	FLT DATE	FLT ST	FAULT DESCRIPTION	CORRECTIVE ACTION	OPER HRS LIC#	MN PWR
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

HHC 1/26

DATE: 20051018

MAINTENANCE REQUEST

DA FORM 5990-E

CUSTOMER DATA

UIC: WAM3T0
UTIL CODE: 0

HHC 1/26

PHONE: (000)354-6789

ACTIVITY DATA

SUP WON:
SUP UIC: WH87B0

299TH MAINTENANCE

PHONE: -----
SHOP SEC:

EQUIPMENT DATA

TYPE MNT REQ: A ID: A NSN: 1005012402136 MODEL: M24RIFLE

NOUN: RIFLE 7.62MM SNIP SER NUM: C6348902 QTY: 00001

ORG WON: AM3T01508611 PRIORITY: 02 FAILURE DETECTED: F

MI/KM: 000000 HOURS: ----- ROUNDS:

IN WARRANTY: N LEVEL OF WORK: F ADMIN NUM: SNRIF3

DEFICIENCY: EXCESSIVE ROUND COUNT

PD AUTHENTICATING SIGNATURE: _____

SIGNATURE DATA

SUBMITTED BY: _____ ORD DATE: _____ MIL TIME: _____

ACCEPTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

ACTION DATA

WORK STARTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

INSPECTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

PICKED UP BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

COMPLETION DATA

QTY RPR: _____ QTY CONDEMNED: _____ NRTS: _____

EVAC WON: _____ EVAC UNIT NAME: _____

DATE: 20051018

MAINTENANCE REQUEST

DA FORM 5990-E

CUSTOMER DATA

UIC: WAM3T0
UTIL CODE: 0

HHC 1/26

PHONE: (000)354-6789

ACTIVITY DATA

SUP WON:
SUP UIC: WH87B0

299TH MAINTENANCE

PHONE: -----
SHOP SEC:

EQUIPMENT DATA

TYPE MNT REQ: A ID: A NSN: 1005012402136 MODEL: M24RIFLE

NOUN: RIFLE 7.62MM SNIP SER NUM: C6348902 QTY: 00001

ORG WON: AM3T01508611 PRIORITY: 02 FAILURE DETECTED: F

MI/KM: 000000 HOURS: ----- ROUNDS:

IN WARRANTY: N LEVEL OF WORK: F ADMIN NUM: SNRIF3

DEFICIENCY: EXCESSIVE ROUND COUNT

PD AUTHENTICATING SIGNATURE: _____

SIGNATURE DATA

SUBMITTED BY: _____ ORD DATE: _____ MIL TIME: _____

ACCEPTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

ACTION DATA

WORK STARTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

INSPECTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

PICKED UP BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

COMPLETION DATA

QTY RPR: _____ QTY CONDEMNED: _____ NRTS: _____

EVAC WON: _____ EVAC UNIT NAME: _____

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

USAPPC V1.10

MAINTENANCE REQUEST				PAGE OF		REQUIREMENTS CONTROL SYMBOL CSGLD - 1047		CONTROL NUMBER				
For use of this form, see DA FAM 738-750; the proponent agency is DCSLOG												
SECTION I - CUSTOMER DATA					SECTION II - MAINTENANCE ACTIVITY DATA							
1a. WORK ORDER NO. WIAIM3IT10		b. CUSTOMER UNIT NAME HAC 1/26 In		c. PHONE NO. 394-6769		3a. WCRK ORDER NO (WON)			b. SHOP	c. PHONE NO.		
2. If Intransit Customer, enter data in Blocks 2a and 2b		2a. SAMS-2 UIC WIAIM3IT10		b. UTILIZATION CODE		4a. UIC SUPPORT WIAIM3IT10		b. SUPPORT UNIT NAME				
SECTION III - EQUIPMENT DATA												
5. ID A		6. NSN 110101510112141012113161				15. FAILURE DETECTED DURING (Select one - use / or X)						
7. TYPE MNT. REQ. CODE A		8. MODEL M24 SWS				☐ A Sch. Main. ☐ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☒ D Normal Op ☐ F Inspection ☐ H Other ☐ I Calibration						
9. NOUN Rifle 7.62mm Snipes						16a. MILES/KILOMETERS (Enter or x)		b. HOURS	c. ROUNDS 119131618			
10a. ORG WON AIM3IT101151018101615				b. EIC 41WIV		d. LANDINGS		e. AUTO ROTATIONS	17. PROJ. CODE (If Assigned)	18. ACCT. PROCESSING CODE		
11. SERIAL NUMBER 11634189101211111111				b. QTY. 101		13. PD 017		19. IN WARRANTY? (Y or N) N				
24. Describe Deficiencies or Symptoms on the basis of Complete Checkout and Diagnostic Procedure in Equipment TM (Do not prescribe repairs.) Excessive Round count						20. LEVEL OF WORK (Select one - use / or X)			21. BUMPER NO./TAIL NO.			
						☐ O Unit Level ☐ H Intermediate General Spt. ☒ I Special Repair Activity ☐ F Immediate Direct Spt. ☐ D Depot			22. REIMBURSABLE CUSTOMER? (If Intransit Customer, enter Y or N) N			
						23. PD AUTHENTICATION SIGNATURE (Payroll Signature) <i>[Signature]</i>						
SECTION IV - REPORTABLE DATA												
25a. STA	b. ORD DATE	c. MIL TIME	a. STA	b. ORD DATE	c. MIL TIME	26. TECHNICAL REFERENCES						
SECTION V - TASK REQUIREMENTS DATA												
27a. FILE IN-PUT CD.	b. TASK NO.	c. ACT. RQD.	d. TASK DESCRIPTION				e. QTY. TO BE RPR	f. WORK CENTER	g. FAILURE CODE	h. MH RMN/PROJ		
SECTION VI - PART REQUIREMENTS												
28a. FILE IN-PUT CD.	b. TASK NO.	c. ID	d. RQD NSN OR PART NO.			e. SFX CD	f. QTY. REQUIRED	g. QTY. ISSUED	h. NM CS	i. FAILURE CODE	j. STORAGE LOCATION	k. NOUN/INIT.
SECTION VII - COMPLETION DATA												
29. QTY. RPR		30. QTY. CONDEMN.		31. QTY. NRTS		32. EVAC WON		33. EVAC UNIT NAME				
SECTION VIII - ACTION SIGNATURES												
34a. SUBMITTED BY Rother		35a. ACCEPTED BY			36a. WORK STARTED BY			37a. INSPECTED BY		38a. PICKED UP BY		
b. ORD DATE 0151191	b. ST	c. ORD DATE	d. MIL TIME	b. ST	c. ORD DATE	d. MIL TIME	b. ST	c. ORD DATE	d. MIL TIME	b. ST	c. ORD DATE	

Remington®



REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ M24

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

01

SERIAL NO.

C6348902

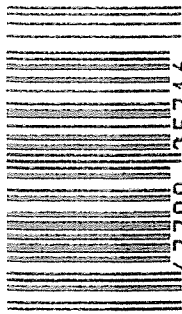
ORDER NO.

5716



5716 C6348902

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348902

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	9 14 89		RW
600	Proof	9 14 89		RW
607	Check Headspace	9 14 89		RW
610	Dis-assemble gun	9 14 89		RW
612	Magnaflux Barrel Action	9-14-89		KCR
	Magnaflux Bolt	9-14-89		KCR
615	Rollmark Caliber		9-15-89	G-S
617	Drill & Tap Sight Holes	9 15 89		YC
618	Polish Barrel	9 15 89		BT
620	Apply Coatings (Barrel Action)		9-15-89	X/SA
	Apply Coatings (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/17/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/27/89	RW
	C) Inspect Ejector Hole for Chamfer		9/27/89	RW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		9/27/89	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		28 Sept 89	JS
	F) Safety on Force	6 6 6	9/28/89	JS
	G) Safety off Force	3 3 6	9/28/89	JS
	H) Trigger Pull Test & Retainability		28 Sept 89	JS
	I) Firing Pin Indent	1020 1020 1020	9/28/89	JS
	J) Assemble Stock		10/4/89	RW
	K) Assemble Swivel Studs		6 Oct 89	JS
	L) Attach Front & Rear Sight Assemblies		10/4/89	RW
	M) Iron Sight Alignment		10/4/89	RW
	N) Detach Front & Rear Sights & place in numbered container		10/4/89	RW
	O) Attach Scope to Rifle		10/4/89	JS
	P) Detach & Attach Scope 20 times		10/4/89	JS
640	Gallery Target & Test		10-4-89	DH
	A) Optical Clarity of Scope		10-4-89	DH
645	Inspect for Live Ammo		10-4-89	DH
655	Final Inspection			
	A) Headspace		6 Oct 89	JS
	B) Trigger Pull	232, 235, 240, 237, 257	6 Oct 89	JS
	C) Function		6 Oct 89	JS
660	Pack		14 Dec 89	JS

SWS TRIGGER PULL TEST

C6348902

INITIAL

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6349006

DATE 2-7-90

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.52	2.13	2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.38	2.34	
PULL #3	2.26	2.32	2.42	
PULL #4	2.38	2.34	2.41	
PULL #5	2.10	2.34	2.29	
TOTAL	11.70	11.51	11.78	
AVG.	2.34	2.302	2.356	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.22	3.30	
PULL #2	3.24	3.25	
PULL #3	3.16	3.17	
PULL #4	3.22	3.31	
PULL #5	3.09	3.18	
TOTAL	15.93	16.21	
AVG.	3.186	3.242	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.45	4.41		4.39
PULL #2	4.35	4.42		4.40
PULL #3	4.52	4.43		4.57
PULL #4	4.47	4.40		4.31
PULL #5	4.50	4.40		4.36
TOTAL	22.29	22.06		22.03
AVG.	4.459	4.412		4.406

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348902
4 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.214849
1 TO	2	.575828
1 TO	3	.607793
1 TO	4	.955967
1 TO	5	.975628

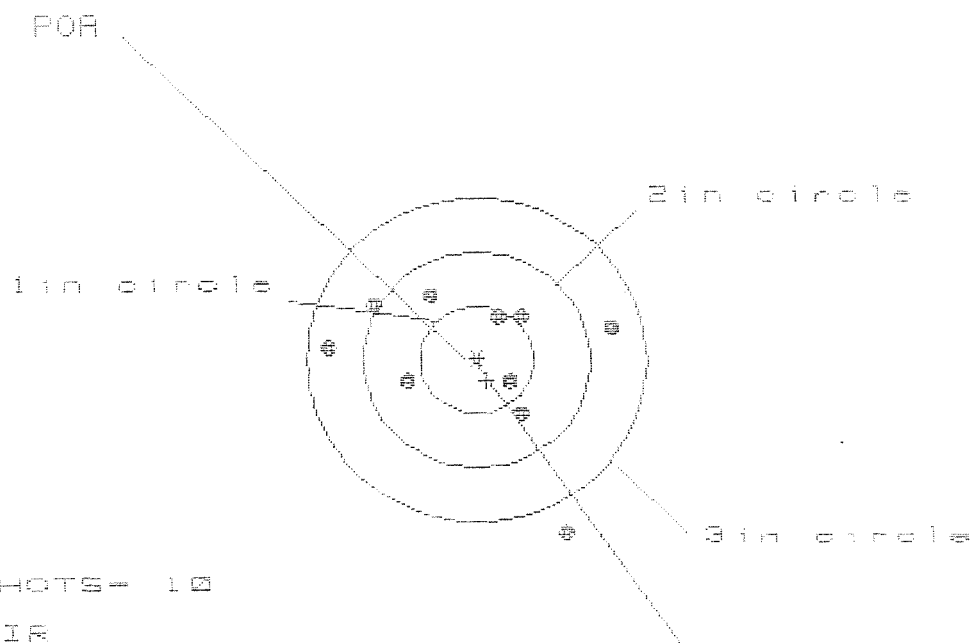
4 $\frac{2}{5}$ 4 <----POA
5

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .484
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0286
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .484844
THE AMR FOR THIS RIFLE IS: 1.022

4 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348982

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.430

VS= 2.161

GS= 2.661

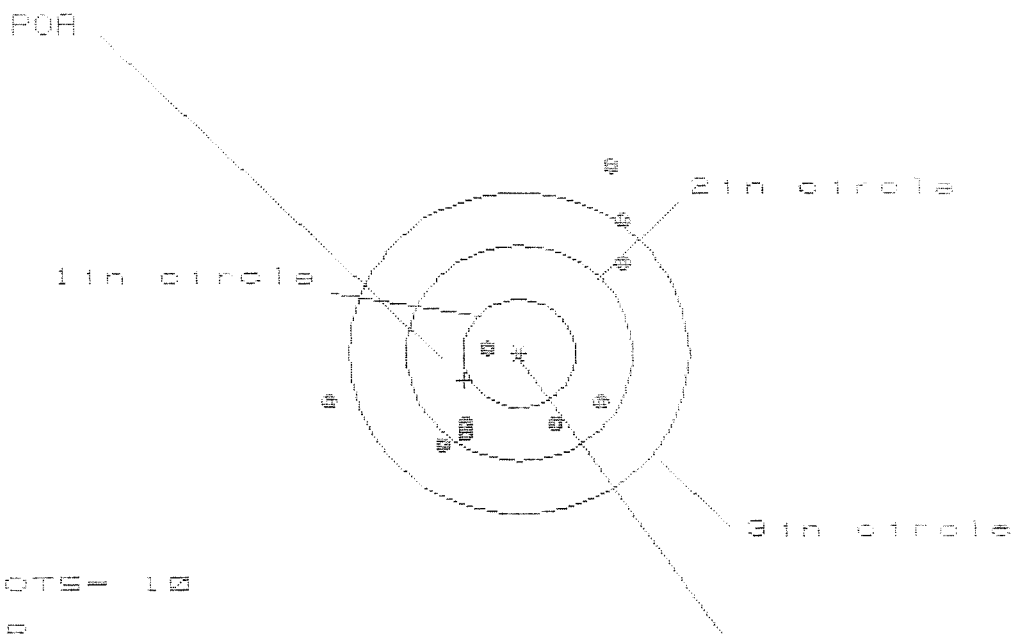
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.158	1.246	1.098
MINIMUM X	-1.272	-1.184	-0.922
MAXIMUM Y	.601	.428	.418
MINIMUM Y	-1.560	-0.667	-0.677
CENTROID X	-0.088	-0.176	-0.028
CENTROID Y	.196	.369	.379
POR TO CENTROID in.	.214	.409	.380
MIN RADIUS	.319	.328	.238
MEAN RADIUS	.857	.739	.662
MAX RADIUS	1.748	1.258	1.110
HORIZONTAL SPREAD	2.430	2.430	2.028
VERTICAL SPREAD	2.161	1.095	1.095
EXTREME SPREAD	2.661	2.444	2.028
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

4 Oct 1989

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 0

3 in = 0

HS = 0.510

VS = 0.636

GS = 0.279

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.877	.963	.769
MINIMUM X	:	-1.641	-1.555	-1.788
MAXIMUM Y	:	1.738	1.398	1.361
MINIMUM Y	:	-.898	-.705	-.741
CENTROID X	:	.485	.399	.593
CENTROID Y	:	.253	.060	.096
POA TO CENTROID in.	:	.547	.404	.601
MIN RADIUS	:	.300	.295	.441
MEAN RADIUS	:	1.097	.958	.890
MAX RADIUS	:	1.901	1.694	1.560
HORIZONTAL SPREAD	:	2.518	2.518	1.557
VERTICAL SPREAD	:	2.636	2.103	2.103
EXTREME SPREAD	:	3.279	3.026	2.613
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

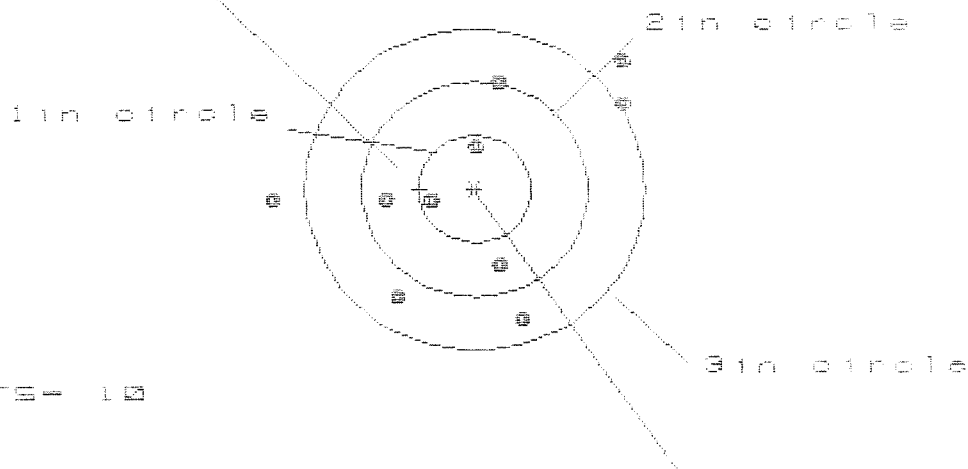
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CENTERFIRE PATTERNS

3

POR



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 7

HS= 3.084

VS= 2.422

GS= 3.336

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.340	1.479	1.280
MINIMUM X	:	-1.744	-1.595	-1.797
MAXIMUM Y	:	1.173	1.133	1.137
MINIMUM Y	:	-1.249	-1.118	-1.114
CENTROID X	:	.488	.339	.538
CENTROID Y	:	.062	-.129	-.133
POR TO CENTROID in.	:	.488	.362	.554
MIN RADIUS	:	.381	.204	.403
MEAN RADIUS	:	1.092	.983	.922
MAX RADIUS	:	1.781	1.742	1.579
HORIZONTAL SPREAD	:	3.084	3.074	2.877
VERTICAL SPREAD	:	2.422	2.251	2.251
EXTREME SPREAD	:	3.336	3.200	2.714
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

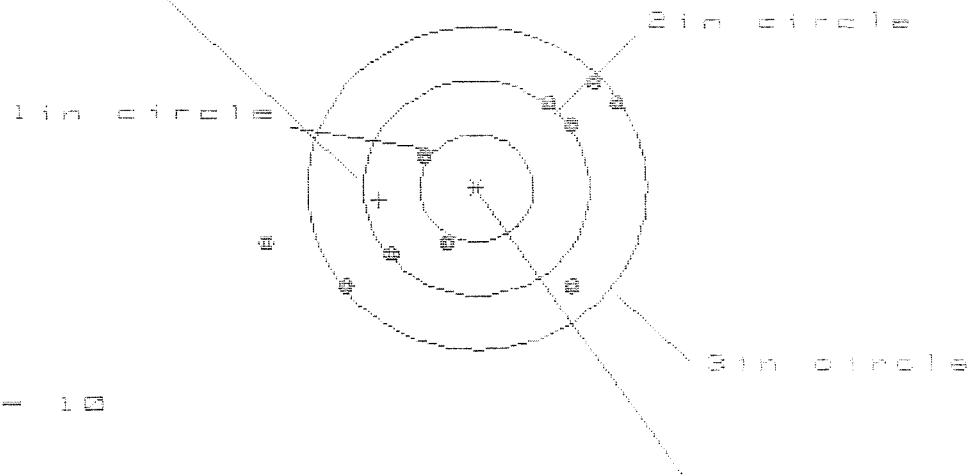
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CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 8

HS= 3.071

VS= 1.872

GS= 3.359

CENTROID *

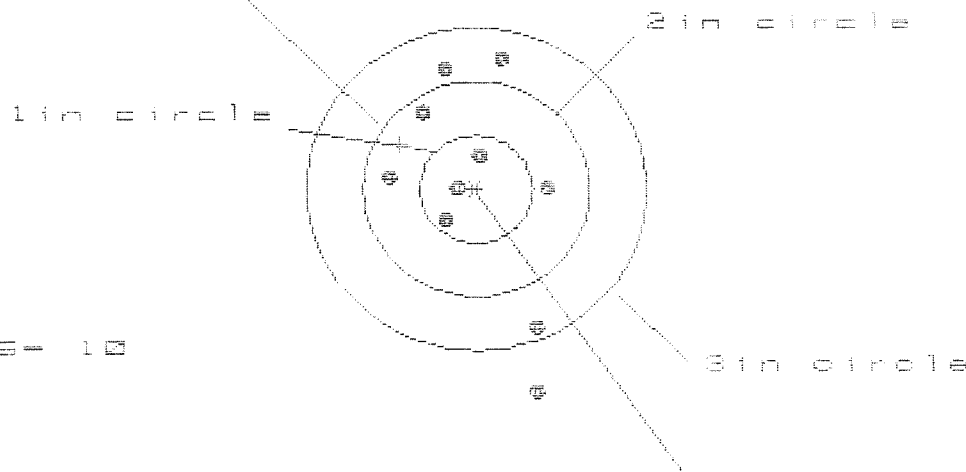
PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.188	.979	.801
MINIMUM X	-1.883	-1.422	-1.106
MAXIMUM Y	.968	.908	.788
MINIMUM Y	-.904	-.964	-1.066
CENTROID X	.864	1.073	1.251
CENTROID Y	.109	.169	.289
POA TO CENTROID in.	.871	1.086	1.284
MIN RADIUS	.517	.675	.630
MEAN RADIUS	1.163	1.062	.951
MAX RADIUS	1.957	1.718	1.367
HORIZONTAL SPREAD	3.071	2.401	1.907
VERTICAL SPREAD	1.872	1.872	1.854
EXTREME SPREAD	3.359	2.960	2.396
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	3	
NUMBER IN THREE INCH CIRCLE	=	8	

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CENTERFIRE PATTERNS # 5

POA



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 1.470

VS= 3.145

GS= 3.158

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.657	.715	.792
MINIMUM X	:	-.813	-.755	-.678
MAXIMUM Y	:	1.249	1.039	.848
MINIMUM Y	:	-1.896	-1.525	-1.699
CENTROID X	:	.671	.613	.536
CENTROID Y	:	-.417	-.287	-.015
POA TO CENTROID in.	:	.790	.647	.537
MIN RADIUS	:	.131	.109	.182
MEAN RADIUS	:	.899	.747	.631
MAX RADIUS	:	1.967	1.644	.926
HORIZONTAL SPREAD	:	1.470	1.470	1.470
VERTICAL SPREAD	:	3.145	2.564	1.747
EXTREME SPREAD	:	3.158	2.583	1.747
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	