

C6523305

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00103098

Serial: C6523305 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:

Verify Repair:

Status:

Closed 11/1/2005 3:10:17 PM

Address Information

Customer

Received From

Return To

Received From

Name: JERRY NELSON STTD

JERRY NELSON STTD

Address 1: 1401 ARTILLERY CIRCLE

1401 ARTILLERY CIRCLE

Address 2: ATTN SUPPLY BLDG 978

PO Box:

ATTN SUPPLY BLDG 978

PO Box:

City: FORT LEONARD WOOD

FORT LEONARD WOOD

State: MO

Zip Code: 65473

Country: US

State: MO

Zip Code: 65473

Country: US

FFL

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: 800-243-9700

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A009	Soft Case	1
A017	Scope Base	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

11/2/2005

7:22 AM

CAPS

NUM

INS

SCPL

start

2

Arms Service

5

3

3

Serial Number:

C6523305

Model: M24 SWS



RE00103098

Remington®

Factory Repair Instructions

(NOTE: Please print and complete this form, and then include it with your firearm.)

Model Number: <i>M24A1</i>		Serial Number: <i>C6523305</i>	
Are you the original owner?: ☒ YES ☐ NO			
Name: <i>USAMPS-STTO (JERRY NELSON)</i>		Date of Purchase: <i>UNKNOWN</i>	
Address (no PO Boxes): <i>1401 ARTILLERY CR.</i>			
<i>BLDG 978</i>			
City: <i>FT. LEONARD WOOD</i>		State: <i>MO</i>	Zip: <i>65473</i>
Phone (Daytime): <i>573-596-0636</i>		Fax: <i>573-596-0747</i>	
E-mail Address: <i>nelsonje@wood.army.mil</i>			
☐ I would like to receive future e-mail updates from Remington.			
Please describe your problem and date of occurrence:			
<i>BROKEN BOLT</i>			
Ammunition Information:			
Manufacturer: <i>MILITARY (LAKE CITY)</i>		Type: <i>M118 MATCH BALL</i>	
Other (i.e. bullet weight/type, shot size, powder):			
Handload Information:			
Powder Used:		Powder Weight:	
Case/Hull Used:		Primer Used:	
Bullet Type/Shot Size:		Reloader Used:	
Firearms Care (Cleaning and Lubrication):			
Brand of cleaning solution used:			
How often do you clean the bore? (Months or Number of rounds)			
How often do you clean the action? (Months or Number of rounds)			
How often do you clean the trigger assembly? (Months or Number of rounds)			
Brand of lubricant used:			
How often do you lubricate the bore? (Months or Number of rounds)			
How often do you lubricate the action? (Months or Number of rounds)			
How often do you lubricate the trigger assembly? (Months or Number of rounds)			
Have you reviewed the cleaning and maintenance recommendations on our web site or in our owners manual? ☐ YES ☐ NO			

Comments:

When was the last time that your firearm was serviced by a Remington authorized repairman/gunsmith?

What were the services performed?

Ship your **INSURED** firearm by either **UPS** or **Parcel Post** to:

Remington Arms Co., Inc.
Attn: Arms Service Division
14 Hoefler Avenue
Ilion, NY 13357

⚠ WARNING: DO NOT SEND LIVE OR SPENT SHELLS IN YOUR FIREARM OR IN THE SAME BOX WITH THE FIREARM. **THIS IS A VIOLATION OF FEDERAL LAW.** IF YOU FEEL YOU MUST SEND SPENT SHELLS PLEASE SEND THEM IN A SEPARATE PACKAGE AND INCLUDE NAME, ADDRESS (WITH ZIP CODE), TELEPHONE AND MODEL AND SERIAL NUMBER OF YOUR FIREARM.

- :: Record the serial number of your firearm before sending it.
- :: Pack your firearm for safety and to prevent further damage in shipping and handling. Preferably, ship in a firearm box. (Note: Original boxes may not be returned.)
- :: Remove all accessories from your firearm to prevent loss or damage.
- :: Provide a return address on both the outside and inside the box. Shipments without a proper return address will be refused.
- :: Ship your **INSURED** firearm by either **UPS** or **Parcel Post**. Remington is not responsible for damage or loss during shipment, so you may elect to purchase insurance from your carrier.

Charge repairs will be processed using the following guidelines:

- :: Repairs \$75.00 and under will be completed and returned to you C.O.D. (To avoid C.O.D. Charges, please include your credit card number and expiration date with your gun)
- :: For Repairs over \$75.00, you will receive a written estimate detailing the nature of the repair, applicable taxes and shipping. You will have 30 days to approve the repair estimate. Repairs can be paid by check, money order, or credit card (American Express, Discover, MasterCard, or VISA). If you wish, you can expedite repairs over \$75.00 by setting a pre-authorized amount that can be billed to your credit card.

SECTION III - EQUIPMENT DATA

5. TYPE MNT REQ CODE	6. ID	7. NSN 1005-01-240-2136	15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751	16. MILES/KILOMETERS/HOURS/ROUNDS M K H R	
8. MODEL M24	9. NOUN SNIPER WEAPON SYSTEM		15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code) See DA Pamphlets 738-750 and 738-751		
10a. ORG WON/DOC NO		10b. EIC			
11. SERIAL NUMBER C6523395	12. QTY 1	13. PD 03	17. PROJECT CODE (if assigned)	18. ACCOUNT PROCESSING CODE	19. IN WARRANTY? (enter Y or N)
14. MALFUNCTION DESCRIPTION (for DSU, GSUI/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) BROKEN BOLT					
25. REMARKS POC JERRY NELSON 596-0636					
26. TECHNICAL REFERENCES					

SECTION IV - TASK REQUIREMENTS DATA

27a. FILE INPUT ACT CD	27b. TASK NO	27c. ACT CODE	27d. TASK DESCRIPTION	27e. QTY TO BE RPR	27f. WORK CENTER	27g. FAILURE CODE	27h. MH PROJ	27i. MH EXP

SECTION V - PART REQUIREMENTS

28a. FILE INPUT ACT CD	28b. TASK NO	28c. ID NO	28d. NSN OR PART NUMBER	28e. SFX CD	28f. QTY RQD	28g. QTY ISSUED	28h. NMCS CD	28i. FAILURE CODE	28j. STORAGE LOCATION	28k. INITIALS	28l. COST \$

28m. TOTAL MANHOURS	28n. TOTAL MANHOURS COSTS \$	28o. TOTAL PARTS COSTS \$	

SECTION VI - COMPLETION DATA

29. QTY RPR	30. QTY CONDEMN	31. QTY NRTS	32. EVAC WON	33. EVAC UNIT NAME

SECTION VII - ACTION SIGNATURES

34a. SUBMITTED BY 	35a. ACCEPTED BY	35c. DATE	36a. WORK STARTED BY	37a. INSPECTED BY	38a. PICKED UP BY						
34b. DATE 5294	35b. STATUS	35d. TIME	36b. STATUS	36c. DATE	36d. TIME	37b. STATUS	37c. DATE	37d. TIME	38b. STATUS	38c. DATE	38d. TIME

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523305.___0
FILE DATE AND TIME: 11/17/2005 15:28

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.064
The Average Y Centroid of the Five Target Set:	0.020
The Average Point of Impact of the Five Target Set:	0.067
The Average Mean Radius of the Five Target Set:	0.743
The Distance from POA to Centroid Target #1:	0.188
The Distance from Centroid Target #2 to Centroid Target #1:	0.255
The Distance from Centroid Target #3 to Centroid Target #1:	0.195
The Distance from Centroid Target #4 to Centroid Target #1:	0.238
The Distance from Centroid Target #5 to Centroid Target #1:	0.093

SERIAL NUMBER: C6523305. __0

TARGET NUMBER: 1

FILE DATE: 11/17/2005

FILE TIME: 15:28

X CENTROID: 0.076

Y CENTROID: 0.172

POA TO CENTROID: 0.188

HORZ SPREAD: 1.844

VERT SPREAD: 2.398

GROUP SPREAD: 2.445

MIN RADIUS: 0.088

MAX RADIUS: 1.405

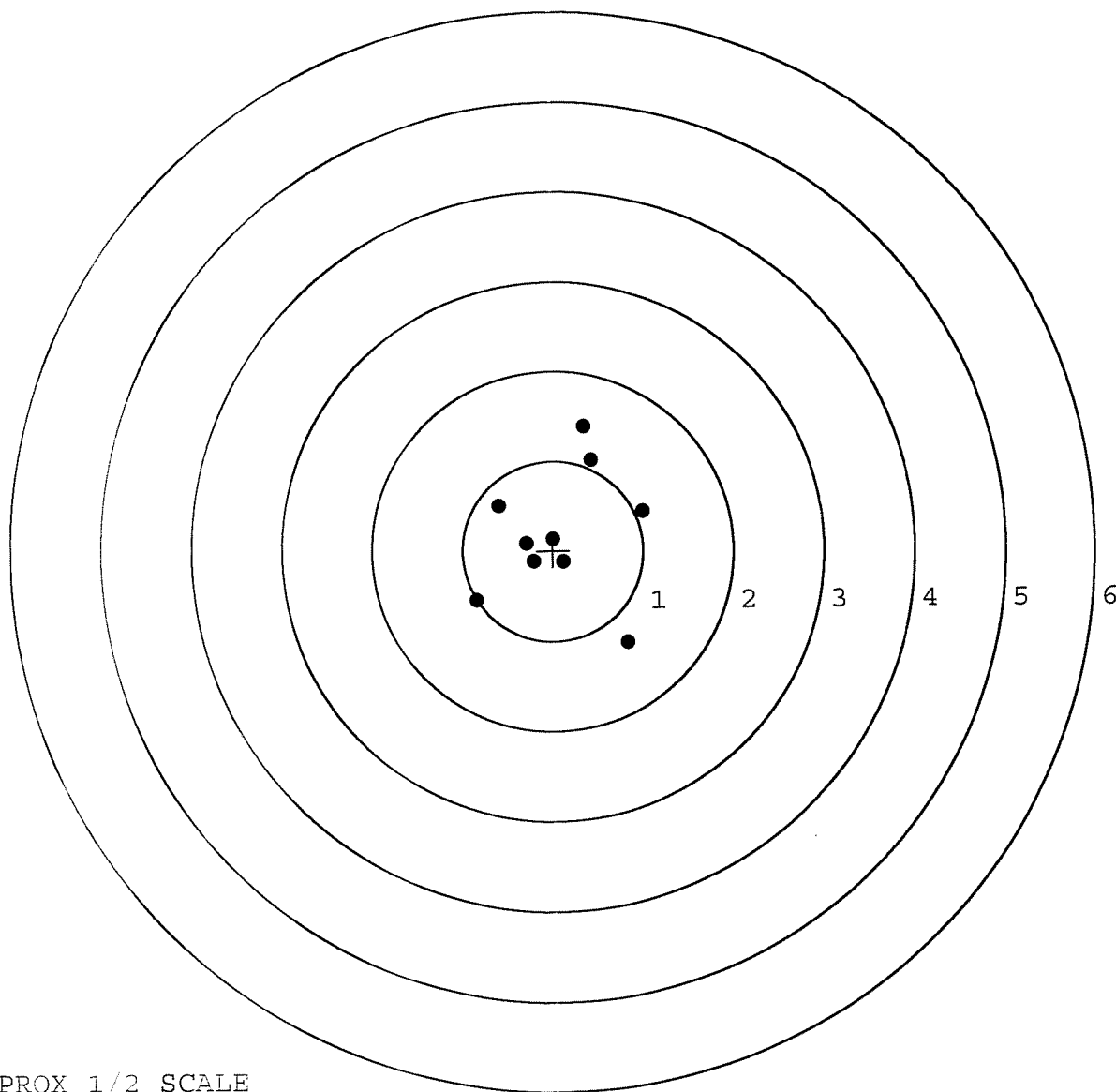
MEAN RADIUS: 0.763

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.825	-1.017
2:	0.995	0.434
3:	0.429	1.011
4:	0.349	1.381
5:	-0.597	0.504
6:	-0.849	-0.553
7:	0.119	-0.129
8:	-0.219	-0.125
9:	-0.001	0.128
10:	-0.294	0.084

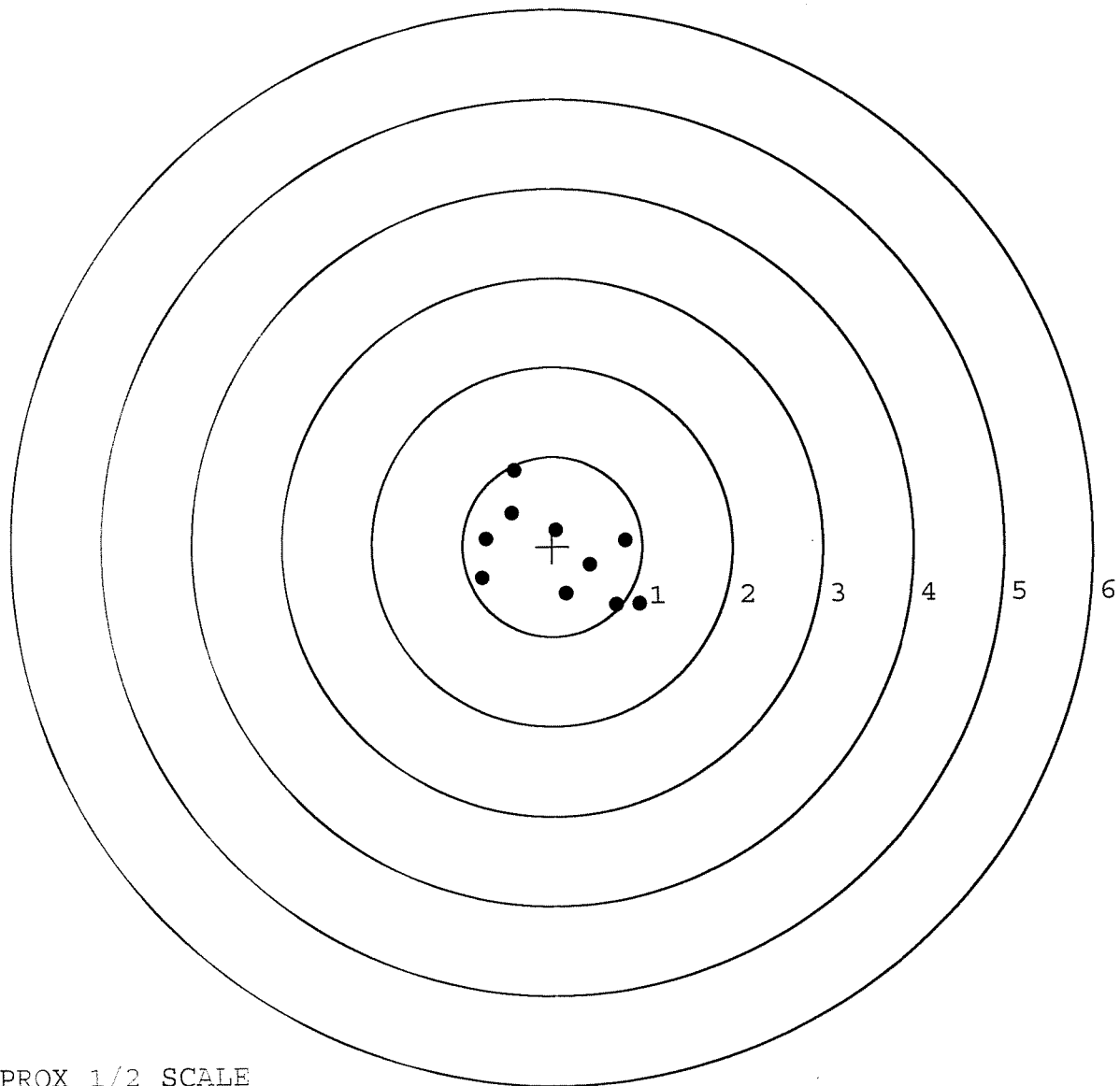


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523305. __0
 TARGET NUMBER: 2
 FILE DATE: 11/17/2005
 FILE TIME: 15:28

X CENTROID: 0.070
 Y CENTROID: -0.083
 POA TO CENTROID: 0.109
 HORZ SPREAD: 1.749
 VERT SPREAD: 1.512
 GROUP SPREAD: 2.038
 MIN RADIUS: 0.266
 MAX RADIUS: 1.057
 MEAN RADIUS: 0.723
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.812	0.064
2:	0.964	-0.648
3:	0.701	-0.660
4:	0.419	-0.208
5:	0.148	-0.532
6:	0.043	0.181
7:	-0.785	-0.352
8:	-0.736	0.090
9:	-0.447	0.379
10:	-0.416	0.852

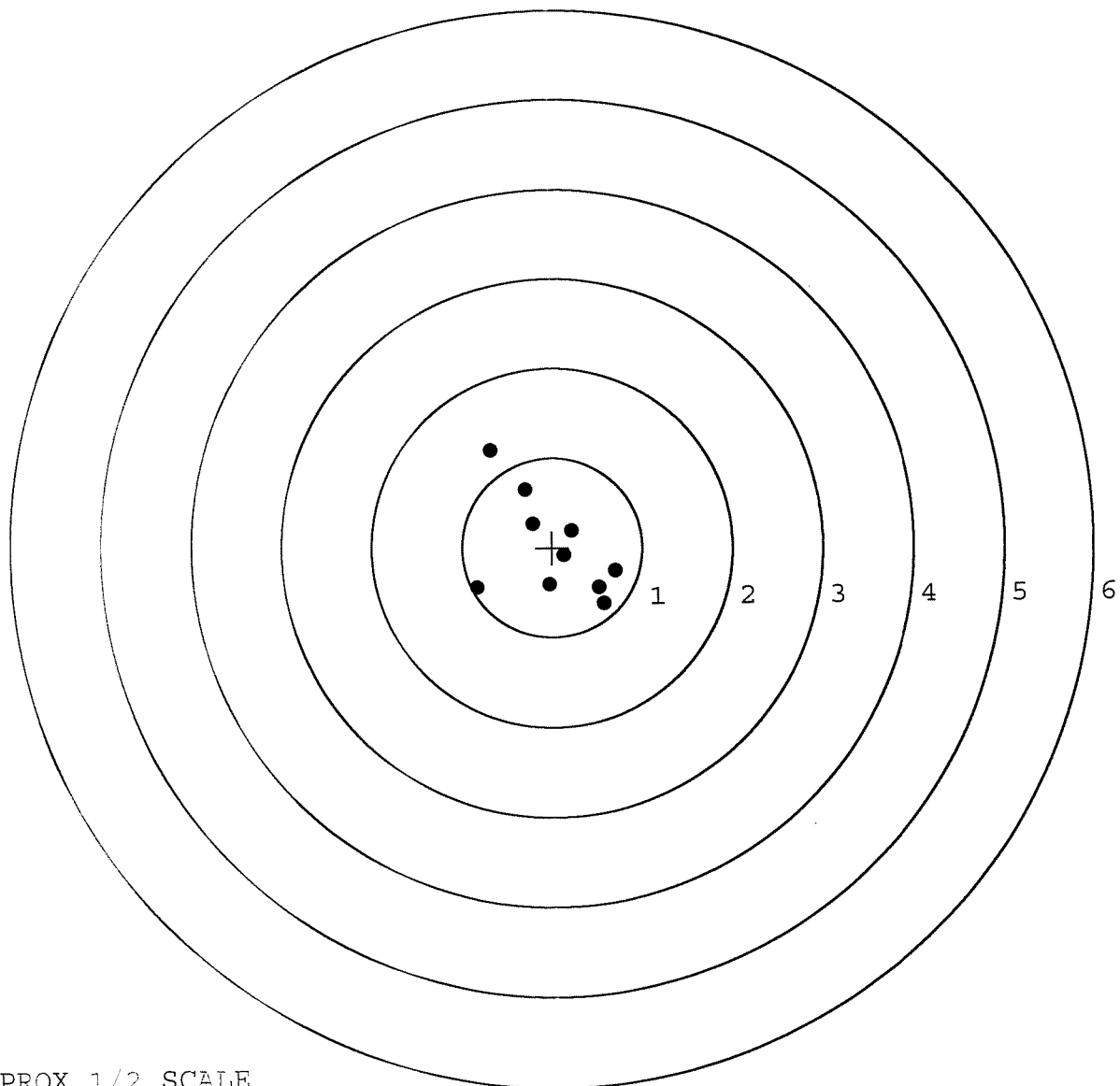


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523305. 0
 TARGET NUMBER: 3
 FILE DATE: 11/17/2005
 FILE TIME: 15:28

X CENTROID: 0.006
 Y CENTROID: -0.010
 POA TO CENTROID: 0.012
 HORZ SPREAD: 1.530
 VERT SPREAD: 1.715
 GROUP SPREAD: 2.118
 MIN RADIUS: 0.147
 MAX RADIUS: 1.291
 MEAN RADIUS: 0.642
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.568	-0.628
2:	0.517	-0.453
3:	0.696	-0.266
4:	-0.039	-0.419
5:	0.127	-0.093
6:	0.218	0.189
7:	-0.220	0.271
8:	-0.298	0.652
9:	-0.675	1.087
10:	-0.834	-0.441

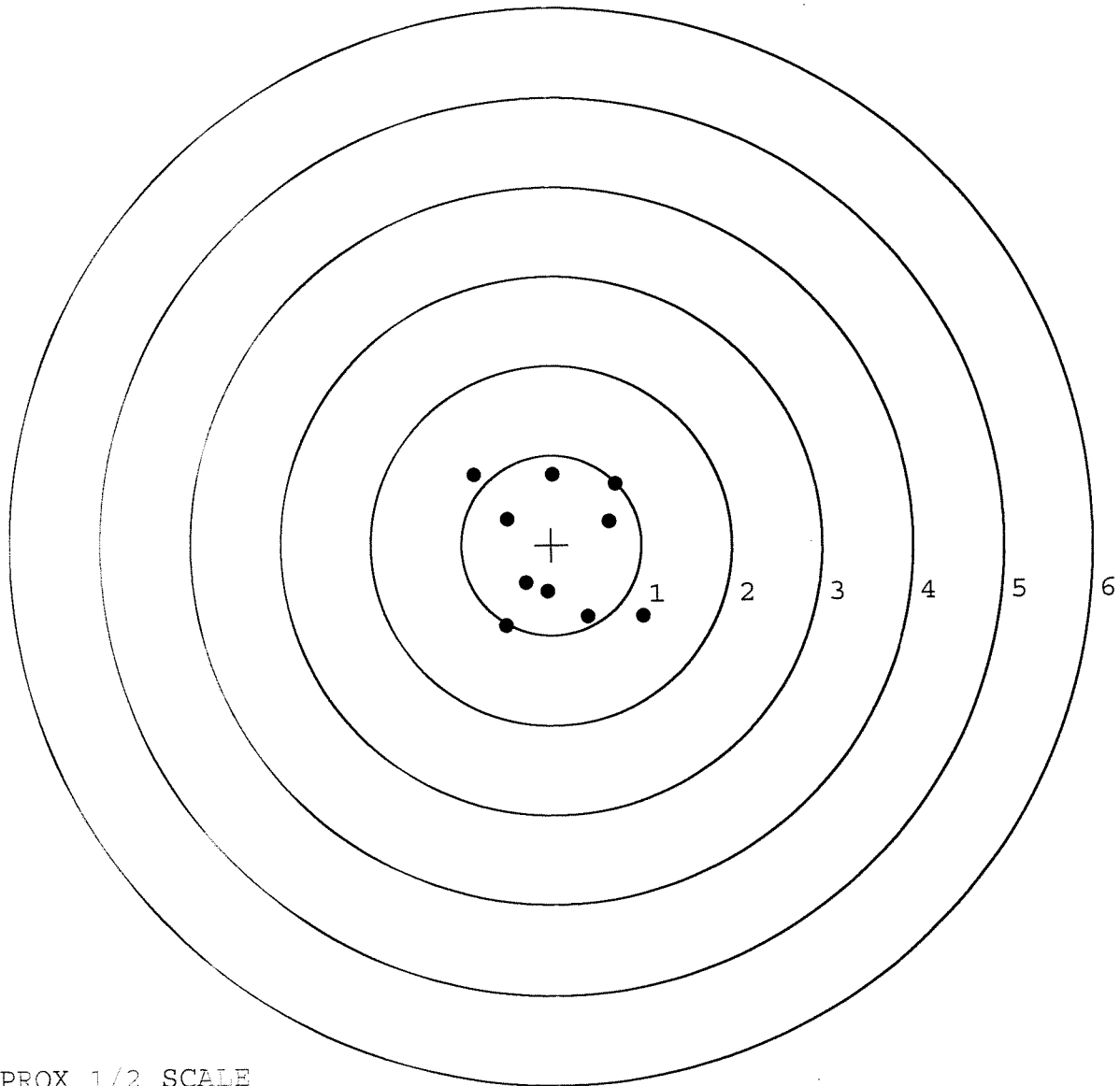


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523305. 0
 TARGET NUMBER: 4
 FILE DATE: 11/17/2005
 FILE TIME: 15:28

X CENTROID: 0.059
 Y CENTROID: -0.065
 POA TO CENTROID: 0.088
 HORZ SPREAD: 1.859
 VERT SPREAD: 1.683
 GROUP SPREAD: 2.447
 MIN RADIUS: 0.471
 MAX RADIUS: 1.246
 MEAN RADIUS: 0.840
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.010	-0.803
2:	0.398	-0.801
3:	-0.514	-0.895
4:	-0.053	-0.523
5:	-0.288	-0.423
6:	0.642	0.254
7:	0.718	0.679
8:	0.023	0.780
9:	-0.493	0.292
10:	-0.849	0.788

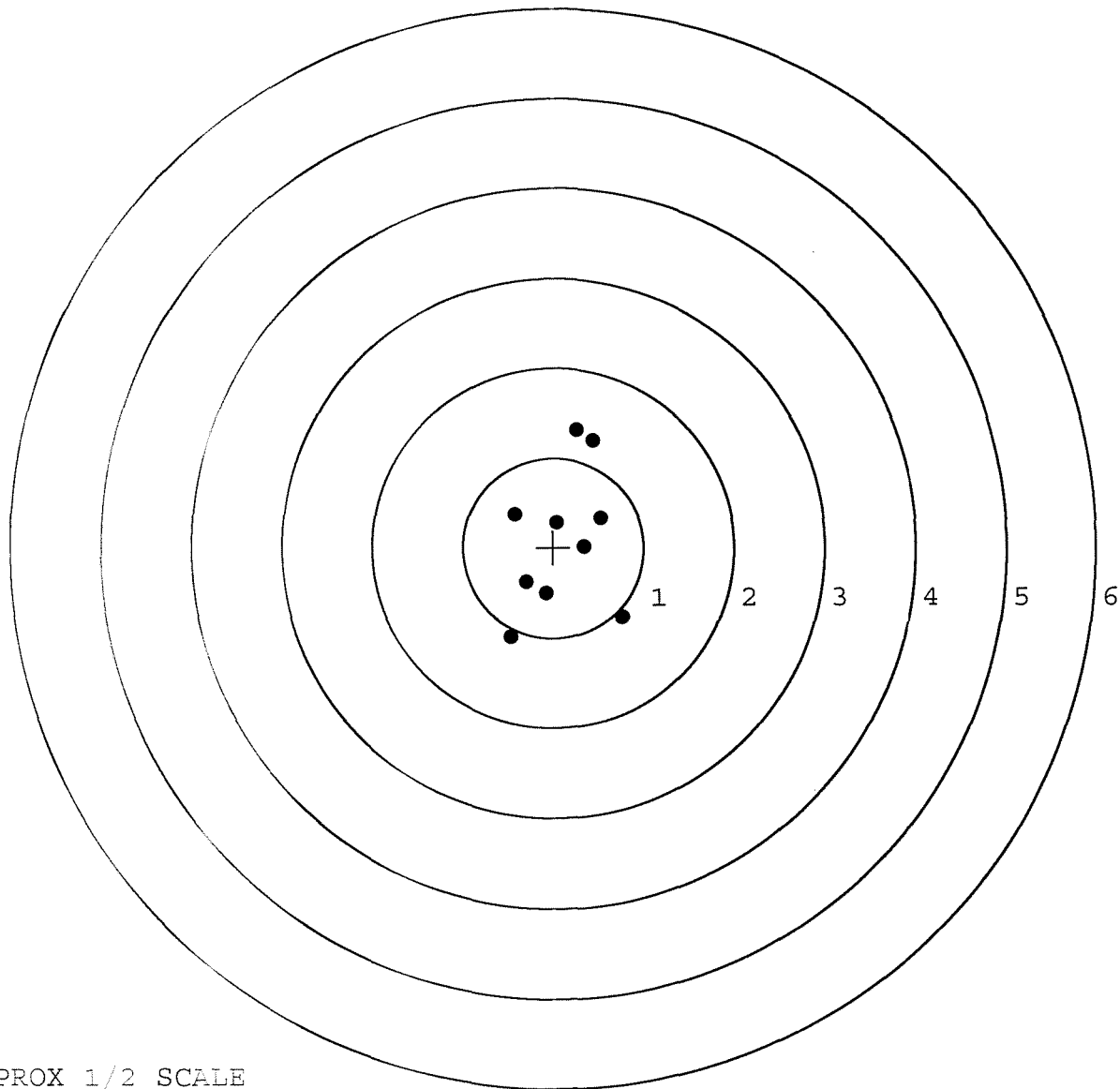


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523305. __0
 TARGET NUMBER: 5
 FILE DATE: 11/17/2005
 FILE TIME: 15:28

POINT#	X	Y
1:	0.765	-0.767
2:	-0.468	-0.991
3:	-0.081	-0.512
4:	-0.305	-0.381
5:	0.530	0.328
6:	0.344	0.011
7:	0.043	0.278
8:	-0.428	0.368
9:	0.443	1.197
10:	0.263	1.320

X CENTROID: 0.111
 Y CENTROID: 0.085
 POA TO CENTROID: 0.140
 HORZ SPREAD: 1.233
 VERT SPREAD: 2.311
 GROUP SPREAD: 2.424
 MIN RADIUS: 0.204
 MAX RADIUS: 1.244
 MEAN RADIUS: 0.749
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	103098			
SERIAL NUMBER	C6523305			
LOG-IN DATE	11-1-05			
OPERATION #	OPERATION NAME	DATE	INITIAL	
500	DIS-ASSEMBLE GUN	11-8-05	RTZ	
505	RE-BARREL	11-9-05	RTZ	
560	ASSEMBLE	11-9-05	CD	
600	PROOF	11-9-05	CD	
605	CHECK HEADSPACE	11-9-05	CD	
610	DIS-ASSEMBLE GUN	11-9-05	CD	
612	MAGNAFLUX	11/10/05	verue	
510	DRILL AND TAP	11-10-05	BR	
615	ROLLMARK CALIBER	11-10-05	CW	
618	ROTO-BLAST	11-14-05	LB	
620	APPLY COATINGS	11/15/05	HB	
625	FINAL ASSEMBLY	11-16-05	RTZ	
640	FUNCTION TEST AND	PASS FAIL	11-17-05	TRW
650	TARGET	PASS FAIL	11-17-05	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	11-17-05	TRW
670	FINAL INSPECTION		12-5-05	RTZ
	A) HEADSPACE	PASS FAIL		
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.58 2.58 2.64 2.66 2.63	RTZ
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	4.0 4.0 4.0	RTZ
	G) SAFETY OFF FORCE	2 LBS MIN	2.0 2.0 2.25	RTZ
	I) FIRING PIN INDENT	.020	0.21 0.22 0.21	RTZ
690	PACK		12/5/05	RTZ

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6523305
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716



5716 C6523305

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523305

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 25	90	RW
600	Proof	9 25	90	RW
607	Check Headspace	9 25	90	RW
610	Dis-assemble Gun	9 25	90	RW
612	Magnaflux Barrel Action		9-26-90	KR
	Magnaflux Bolt		9-26-90	RR
615	Rollmark Caliber		9-26-90	LS
617	Drill and Tap Sight Holes		9/28/90	FB
618	Polish Barrel RB		10/1/90	WB
620	Apply Coatings (Barrel Action)		10-5-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/8/90	RW
	C) Inspect Ejector Hole for Chamfer		10/8/90	RW
	D) Oil Firing Pin Ass'y		10/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10-8-90	RU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			10/9/90	WB
	G) Safety Off Force	7 1/4	7 1/4	7 1/4			10/9/90	WB
	H) Trigger Pull Test & Retainability						10/8/90	JH
	I) Firing Pin Indent	.022	.022	.022			10/9/90	WB
	J) Assemble Stock						10/9/90	RW
	K) Assemble Swivel Studs						11-20-90	DH
	L) Attach Front and Rear Sight Assemblies						10/9/90	RW
	M) Iron Sight Alignment						10/9/90	RW
	N) Detach Front & Rear Sights & place in numbered container						10/9/90	RW
	O) Attach Scope to Rifle						10/9/90	RW
	P) Detach & Attach Scope 20 Times						10/9/90	RW
640	Gallery Target & Test						10-10-90	AC
	A) Time						10-10-90	AC
	B) Malfunctions						10-10-90	AC
	C) Pierced Primers						10-10-90	AC
	D) Optical Clarity of Scope						10-10-90	AC
645	Inspect for Live Ammo						10-10-90	AC
655	Final Inspection							
	A) Headspace						11-20-90	DH
	B) Trigger Pull	282	270	270	276	271	11-20-90	DH
	C) Function						11-20-90	DH
660	Pack						12-17-90	DH

MOD. _____ GA. CAL. _____ GUN # 06523305

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Shaver brass Don't eject	RW
	2nd	OK 100 Rds	AC
	3rd	Out 31, 1990	
	4th		

FUNCTION _____ RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	<i>Ream Ejector Hole + Polish Ejector</i>	<i>10/30/40</i>
TEST		<i>Ru</i>
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C65 23305

DATE 10-8-90

TESTER JRP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.24	2.26	2.82	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.56	2.52	2.21	2.70	
PULL #3	2.37	2.58	2.37	2.70	
PULL #4	2.61	2.58	2.41	2.76	
PULL #5	2.58	2.57	2.19	2.71	
TOTAL	12.68	12.49	11.44		
AVG.	2.536	2.498	2.288		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.49		
PULL #2	3.18	3.57		
PULL #3	3.45	3.54		
PULL #4	3.50	3.26		
PULL #5	3.49	3.31		
TOTAL	16.99	17.17		
AVG.	3.398	3.434		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.58	4.40		4.48
PULL #2	4.48	4.30		4.11
PULL #3	4.48	4.43		4.15
PULL #4	4.50	4.47		4.20
PULL #5	4.52	4.48		4.10
TOTAL	22.56	22.14		21.04
AVG.	4.512	4.428		4.208

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523305
10 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.122319
1 TO	2	.456885
1 TO	3	.180867
1 TO	4	.159248
1 TO	5	.214767

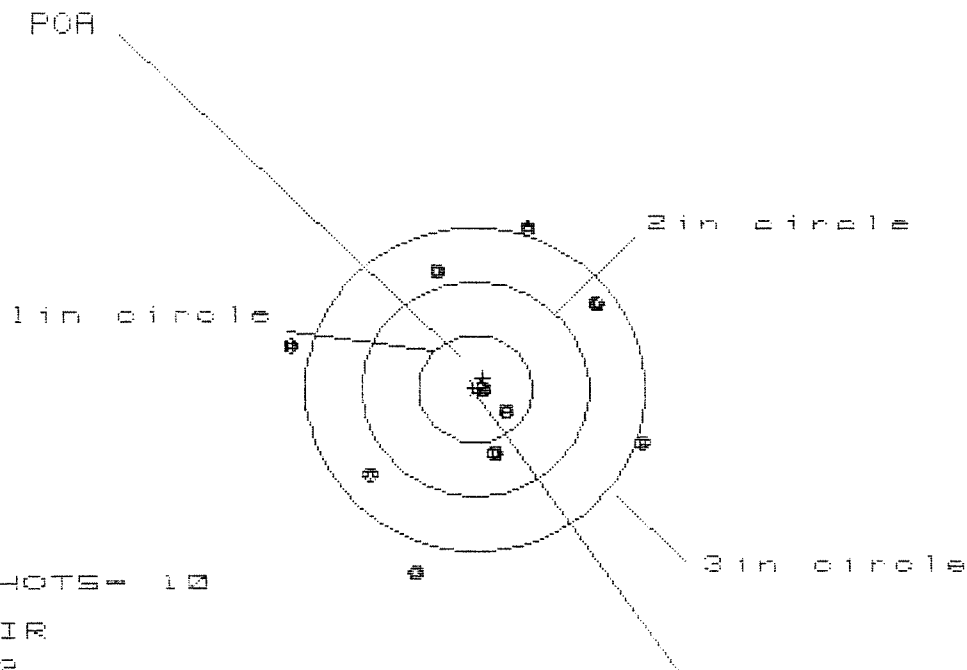
σ^2 <----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.0586$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $-.0322$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.066864$
THE AMR FOR THIS RIFLE IS: $.9358$

18 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523305

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 2

2in = 3

3in = 5

HS = 3.124

VS = 3.202

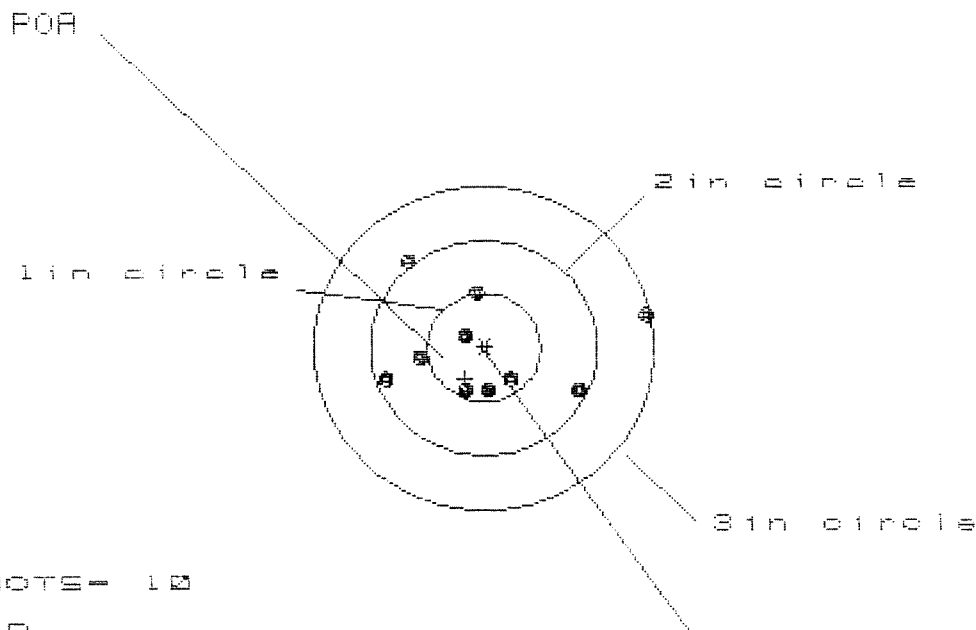
GS = 3.356

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.500	1.440	1.229
MINIMUM X	-1.633	-1.694	-1.209
MAXIMUM Y	1.494	1.304	1.331
MINIMUM Y	-1.708	-.995	-.968
CENTROID X	-.069	-.008	.203
CENTROID Y	-.101	.089	.062
POA TO CENTROID in.	.122	.089	.213
MIN RADIUS	.041	.163	.278
MEAN RADIUS	1.129	1.069	.978
MAX RADIUS	1.792	1.708	1.549
HORIZONTAL SPREAD	3.134	3.134	2.438
VERTICAL SPREAD	3.202	2.299	2.299
EXTREME SPREAD	3.356	3.256	2.692
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	5		

10 Oct 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6523305

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS = 2.364

VS = 1.264

GS = 2.439

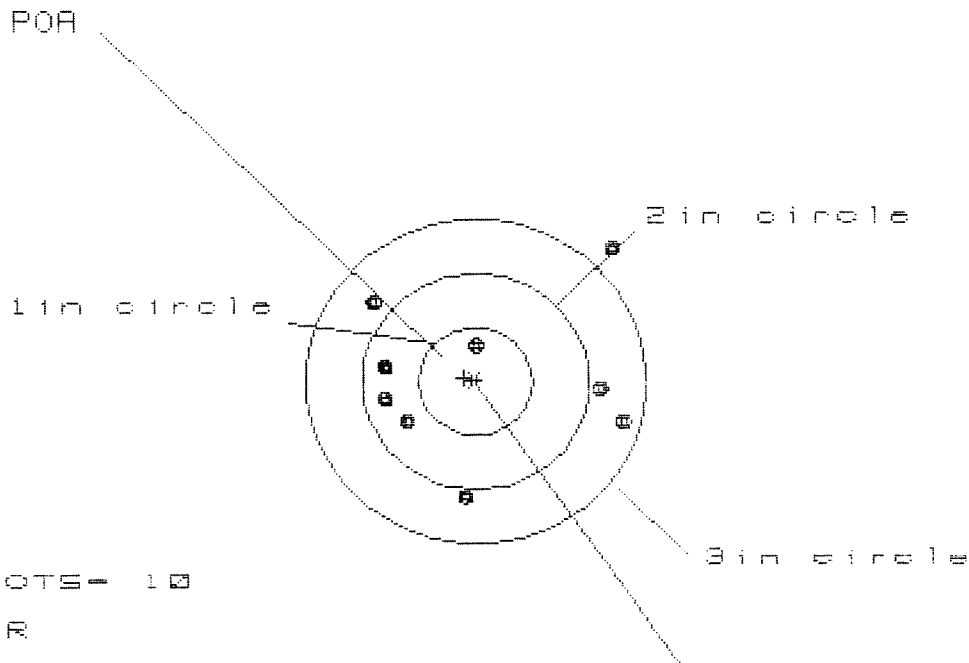
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.448	.979	.922
MINIMUM X	:	-.916	-.755	-.812
MAXIMUM Y	:	.831	.866	.674
MINIMUM Y	:	-.433	-.398	-.290
CENTROID X	:	.169	.008	.065
CENTROID Y	:	.289	.254	.146
POA TO CENTROID in.	:	.335	.254	.160
MIN RADIUS	:	.215	.190	.240
MEAN RADIUS	:	.688	.577	.512
MAX RADIUS	:	1.483	1.035	.949
HORIZONTAL SPREAD	:	2.364	1.734	1.734
VERTICAL SPREAD	:	1.264	1.264	.964
EXTREME SPREAD	:	2.439	1.874	1.736
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.194

VS= 2.317

GS= 2.647

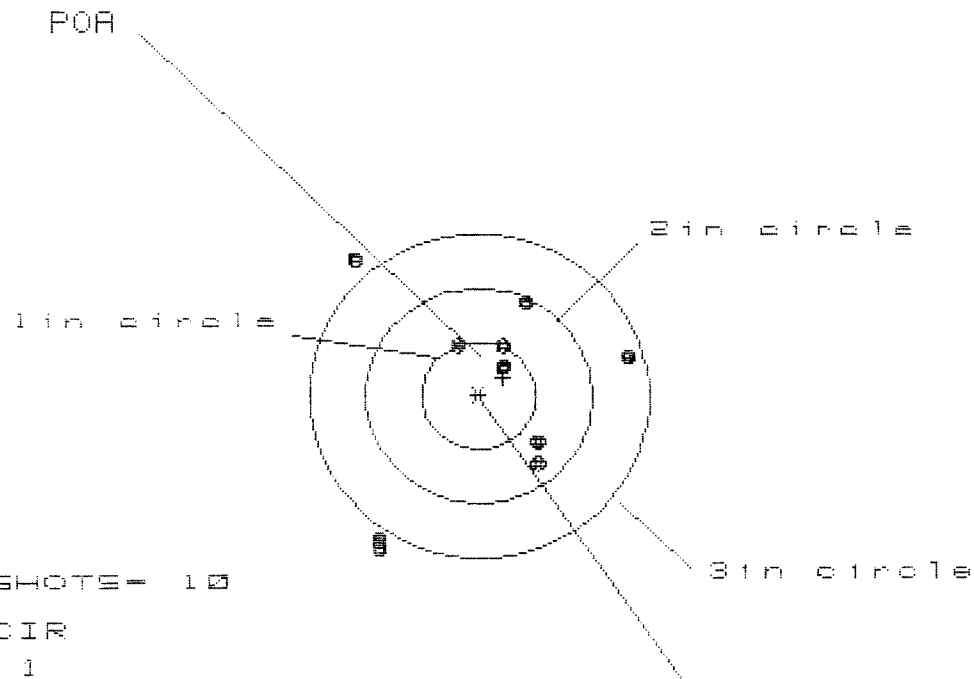
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.343	1.478	1.424
MINIMUM X	:	-.851	-.716	-.532
MAXIMUM Y	:	1.208	.869	.837
MINIMUM Y	:	-1.109	-.975	-1.006
CENTROID X	:	.099	-.036	-.220
CENTROID Y	:	-.034	-.168	-.137
POA TO CENTROID in.	:	.105	.172	.259
MIN RADIUS	:	.311	.477	.356
MEAN RADIUS	:	.977	.859	.721
MAX RADIUS	:	1.712	1.499	1.424
HORIZONTAL SPREAD	:	2.194	2.194	1.956
VERTICAL SPREAD	:	2.317	1.844	1.844
EXTREME SPREAD	:	2.647	2.465	2.130
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		

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CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 2.432

VS = 2.682

GS = 2.849

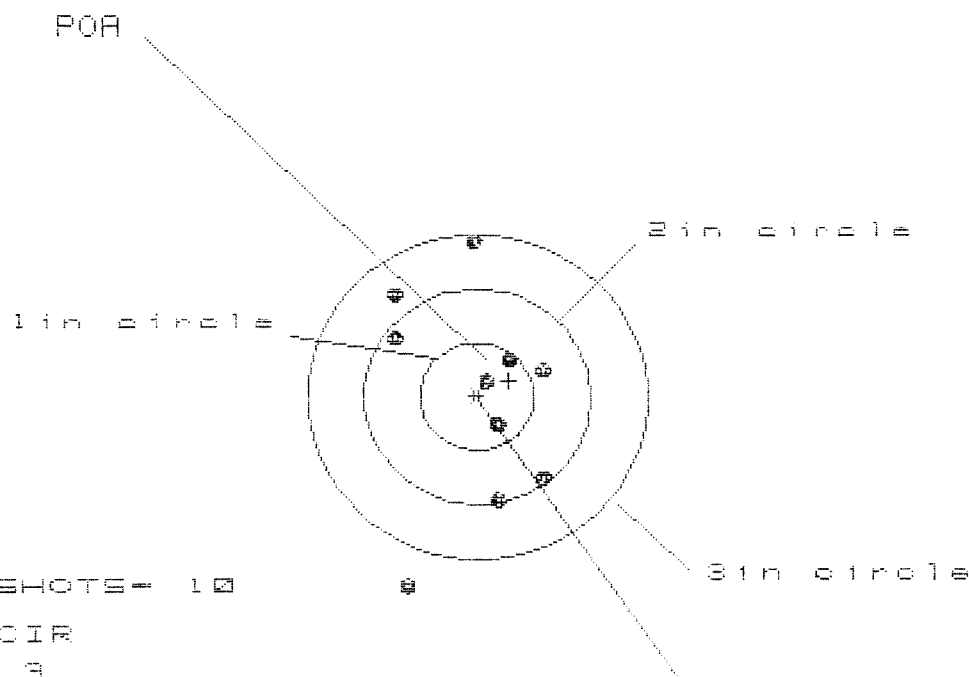
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.319	1.196	1.069
MINIMUM X	:	-1.113	-1.014	-1.135
MAXIMUM Y	:	1.292	1.044	.889
MINIMUM Y	:	-1.390	-1.247	-1.389
CENTROID X	:	-.213	-.090	.037
CENTROID Y	:	-.169	-.312	-.157
POA TO CENTROID in.	:	.272	.325	.161
MIN RADIUS	:	.301	.397	.253
MEAN RADIUS	:	1.012	.930	.794
MAX RADIUS	:	1.705	1.607	1.794
HORIZONTAL SPREAD	:	2.432	2.210	2.204
VERTICAL SPREAD	:	2.682	2.291	2.278
EXTREME SPREAD	:	2.849	2.849	2.836
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 1.253

VS = 3.220

GS = 3.268

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.578	.514	.503
MINIMUM X	-.675	-.739	-.749
MAXIMUM Y	1.494	1.302	.891
MINIMUM Y	-1.726	-1.097	-.934
CENTROID X	-.279	-.215	-.204
CENTROID Y	-.146	.046	-.117
POA TO CENTROID in.	.315	.220	.115
MIN RADIUS	.182	.050	.127
MEAN RADIUS	.873	.736	.658
MAX RADIUS	1.820	1.305	1.164
HORIZONTAL SPREAD	1.253	1.253	1.253
VERTICAL SPREAD	3.220	2.399	1.825
EXTREME SPREAD	3.268	2.411	2.003
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	