

C6522268

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: **RE00110480**

Serial: C6522268 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 3/29/2006 11:34:59 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: C CO 3/89TH CAV

C CO 3/89TH CAV

Address 1: 1052 ALABAMA AVE SUITE 103

1052 ALABAMA AVE SUITE 103

Address 2:

PO Box:

PO Box:

City: FORT POLK

FORT POLK

State: LA

Zip Code: 71459

Country: US

State: LA

Zip Code: 71459

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Good

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A055	Deployment Kit	1
C000	FR AND REAR SGT E	1

Repair Search

Refresh

Close

nagletj

3/29/2006

12:47 PM

CAPS

NUM

INS

SCRL

start

4 M

Ar...

3 M

2 I

Pa...

En...

M...

Re...

12:46 PM

Serial Number: **C6522268**

Model: **M24 SWS**



RE00110480

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522268.___0
FILE DATE AND TIME: 04/11/2006 16:43

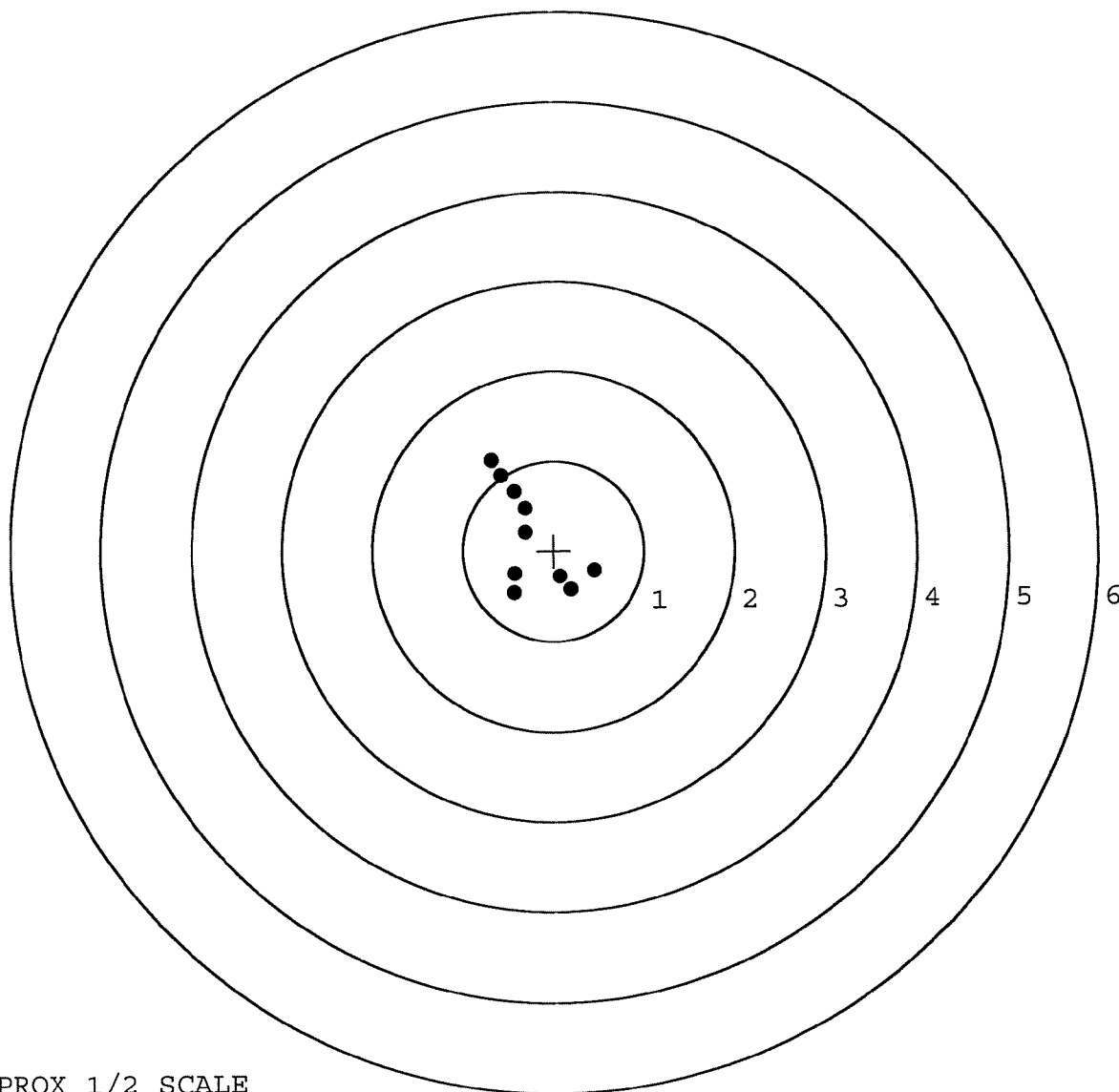
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.102
The Average Y Centroid of the Five Target Set:	-0.025
The Average Point of Impact of the Five Target Set:	0.105
The Average Mean Radius of the Five Target Set:	0.581
The Distance from POA to Centroid Target #1:	0.294
The Distance from Centroid Target #2 to Centroid Target #1:	0.227
The Distance from Centroid Target #3 to Centroid Target #1:	0.215
The Distance from Centroid Target #4 to Centroid Target #1:	0.238
The Distance from Centroid Target #5 to Centroid Target #1:	0.512

SERIAL NUMBER: C6522268. __0
TARGET NUMBER: 1
FILE DATE: 04/11/2006
FILE TIME: 16:43

X CENTROID: -0.251
Y CENTROID: 0.153
POA TO CENTROID: 0.294
HORZ SPREAD: 1.130
VERT SPREAD: 1.481
GROUP SPREAD: 1.684
MIN RADIUS: 0.086
MAX RADIUS: 0.957
MEAN RADIUS: 0.587
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.069	-0.291
2:	0.189	-0.434
3:	0.450	-0.221
4:	-0.441	-0.473
5:	-0.439	-0.258
6:	-0.318	0.207
7:	-0.317	0.479
8:	-0.439	0.665
9:	-0.581	0.845
10:	-0.680	1.008

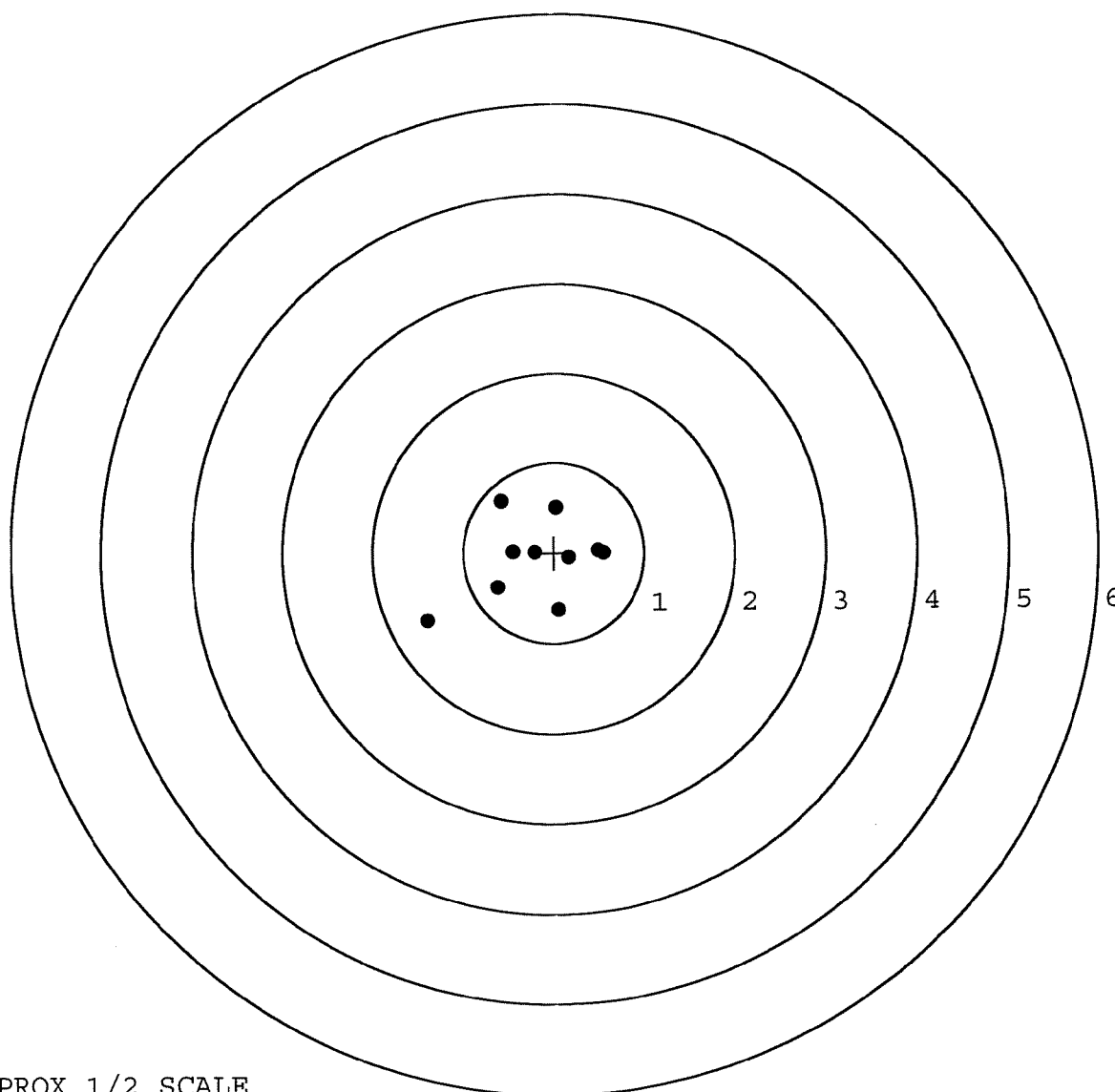


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522268. __0
TARGET NUMBER: 2
FILE DATE: 04/11/2006
FILE TIME: 16:43

POINT#	X	Y
1:	0.023	0.500
2:	-0.584	0.579
3:	-0.460	0.016
4:	-0.219	0.011
5:	-0.625	-0.384
6:	0.048	-0.639
7:	0.161	-0.055
8:	0.550	0.002
9:	0.492	0.030
10:	-1.395	-0.749

X CENTROID: -0.201
Y CENTROID: -0.069
POA TO CENTROID: 0.212
HORZ SPREAD: 1.945
VERT SPREAD: 1.328
GROUP SPREAD: 2.085
MIN RADIUS: 0.082
MAX RADIUS: 1.374
MEAN RADIUS: 0.606
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

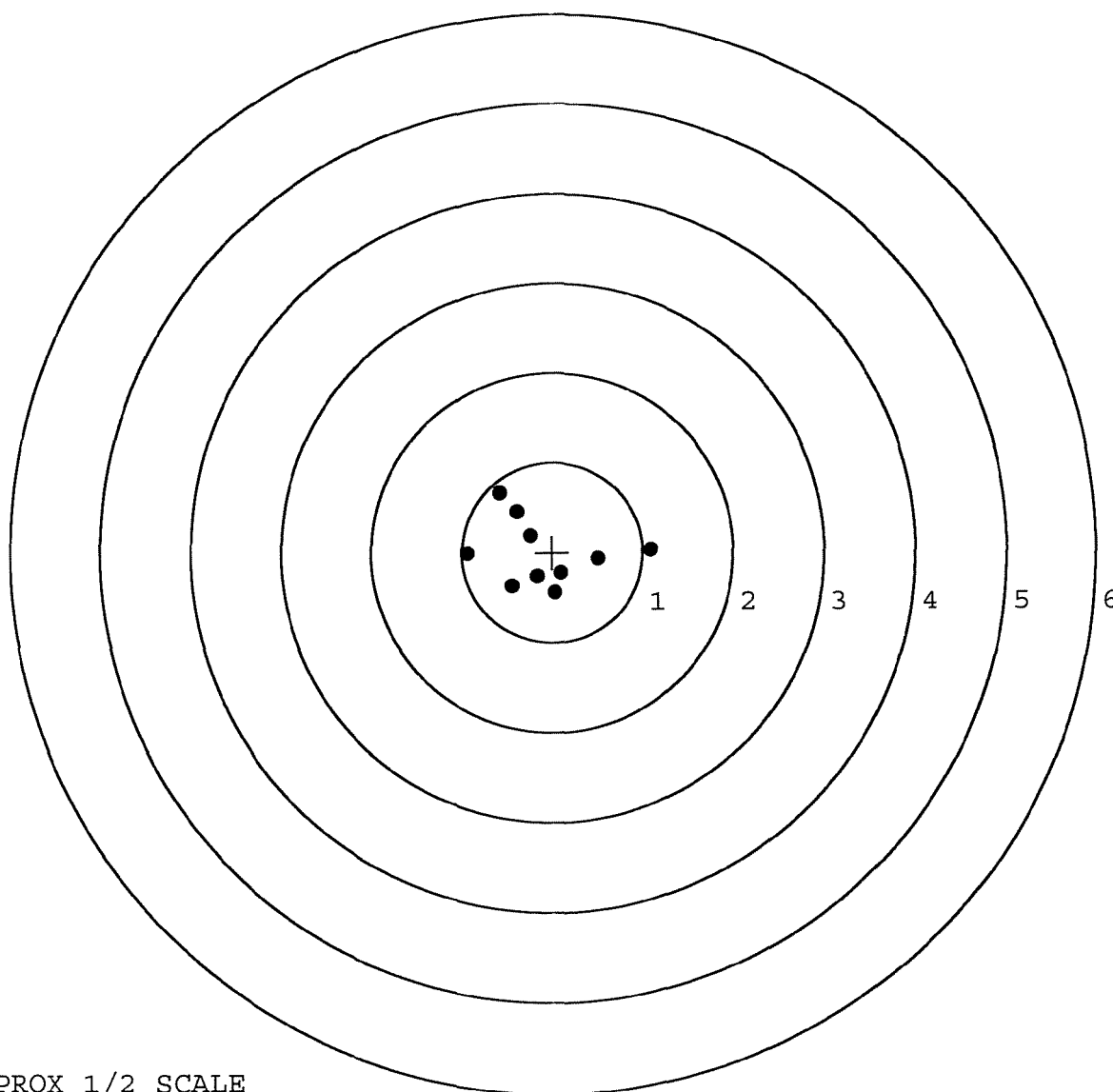


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522268. __0
TARGET NUMBER: 3
FILE DATE: 04/11/2006
FILE TIME: 16:43

X CENTROID: -0.106
Y CENTROID: -0.007
POA TO CENTROID: 0.106
HORZ SPREAD: 2.030
VERT SPREAD: 1.113
GROUP SPREAD: 2.030
MIN RADIUS: 0.241
MAX RADIUS: 1.198
MEAN RADIUS: 0.580
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.580	0.663
2:	-0.396	0.460
3:	-0.249	0.187
4:	-0.939	-0.009
5:	-0.450	-0.378
6:	-0.173	-0.271
7:	0.029	-0.450
8:	0.097	-0.232
9:	0.509	-0.067
10:	1.091	0.027

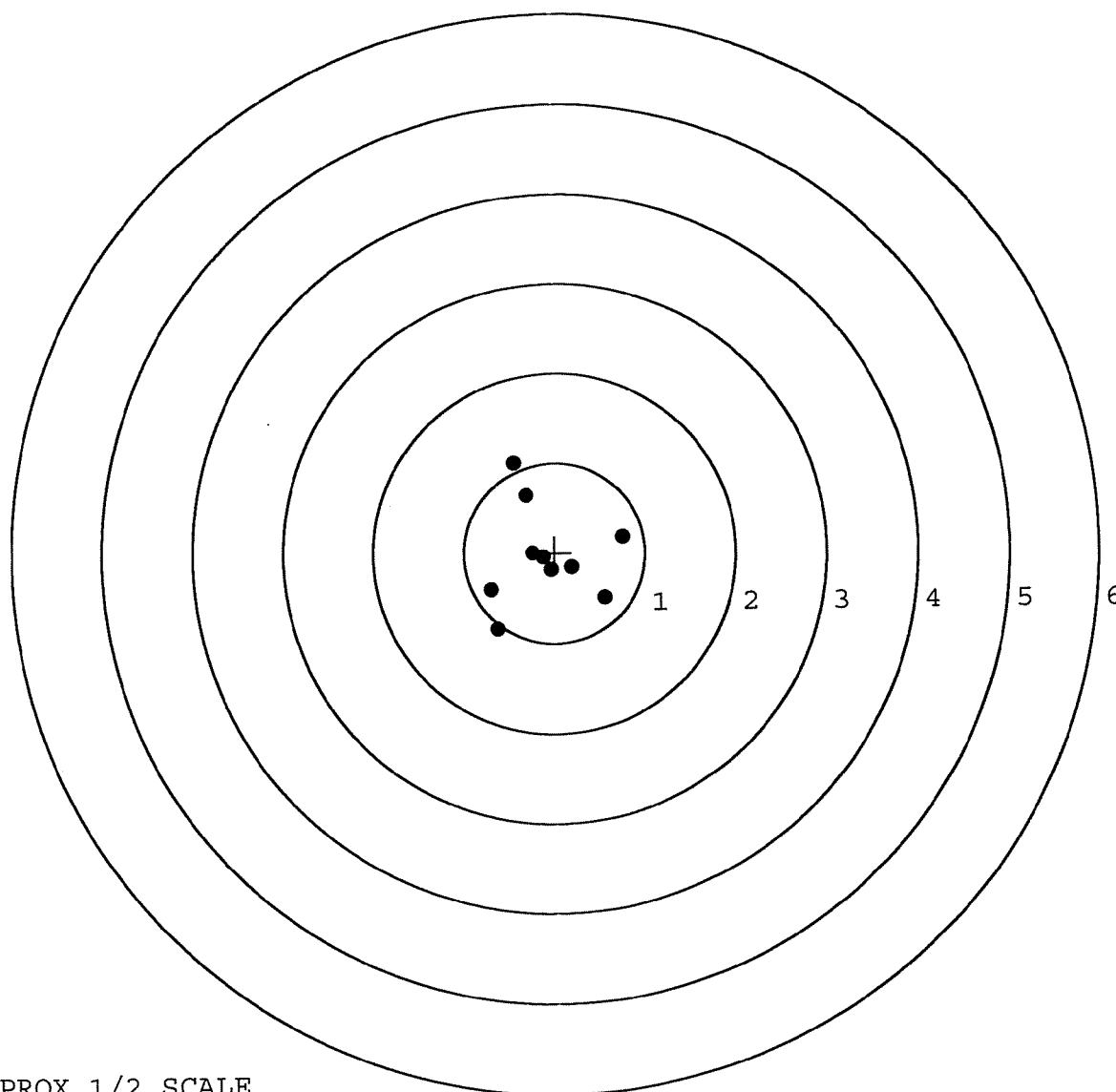


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522268. __0
TARGET NUMBER: 4
FILE DATE: 04/11/2006
FILE TIME: 16:43

POINT#	X	Y
1:	-0.448	1.002
2:	-0.317	0.642
3:	-0.703	-0.409
4:	-0.638	-0.841
5:	-0.248	-0.005
6:	-0.042	-0.189
7:	0.189	-0.161
8:	0.555	-0.504
9:	0.751	0.179
10:	-0.133	-0.052

X CENTROID: -0.103
Y CENTROID: -0.034
POA TO CENTROID: 0.109
HORZ SPREAD: 1.454
VERT SPREAD: 1.843
GROUP SPREAD: 1.853
MIN RADIUS: 0.035
MAX RADIUS: 1.092
MEAN RADIUS: 0.583
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

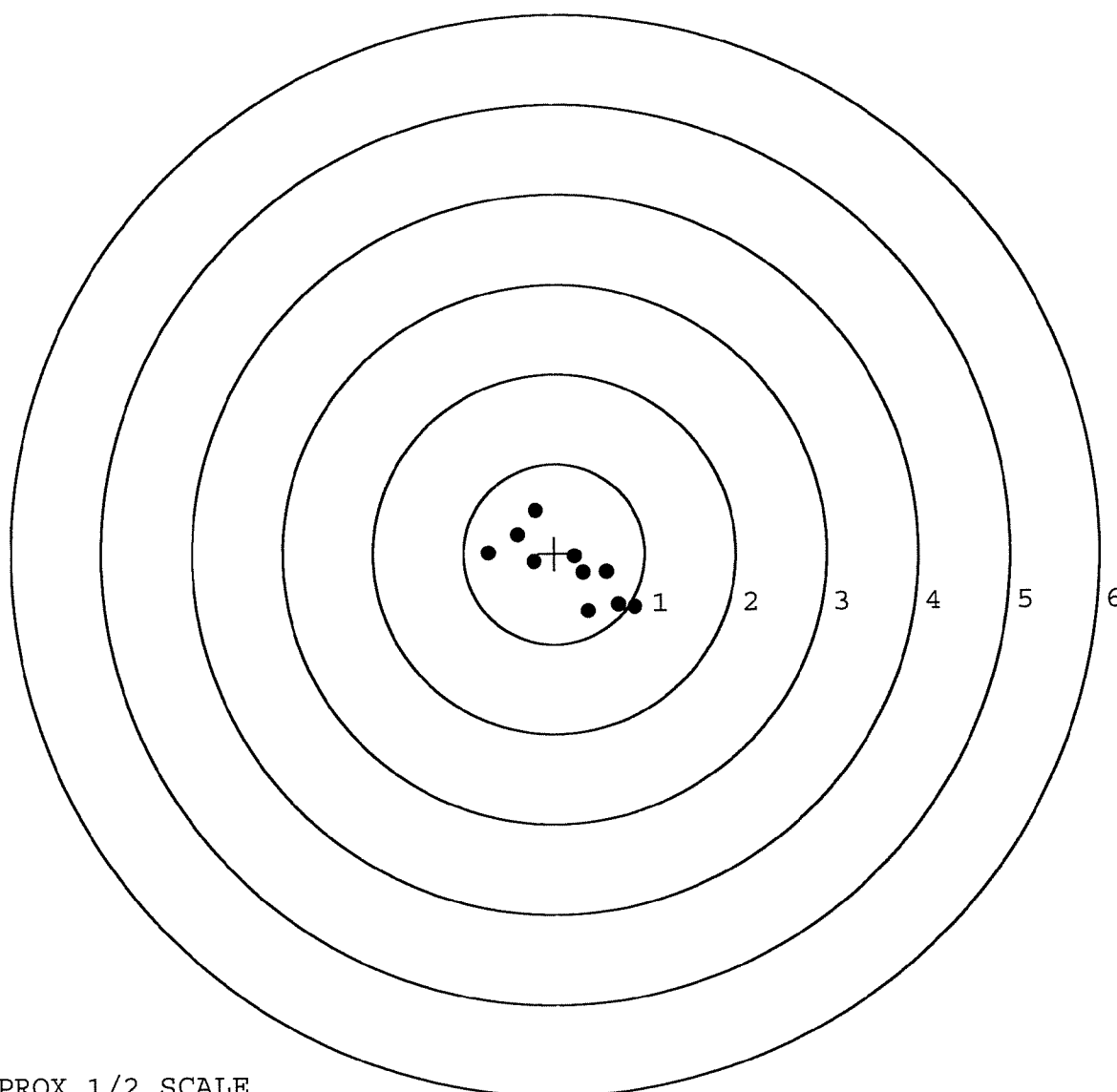


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522268. __0
TARGET NUMBER: 5
FILE DATE: 04/11/2006
FILE TIME: 16:43

X CENTROID: 0.149
Y CENTROID: -0.167
POA TO CENTROID: 0.224
HORZ SPREAD: 1.611
VERT SPREAD: 1.125
GROUP SPREAD: 1.722
MIN RADIUS: 0.150
MAX RADIUS: 0.894
MEAN RADIUS: 0.551
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.211	0.482
2:	-0.410	0.209
3:	-0.229	-0.095
4:	-0.727	0.011
5:	0.223	-0.036
6:	0.316	-0.218
7:	0.576	-0.213
8:	0.701	-0.570
9:	0.884	-0.596
10:	0.369	-0.643



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

DATE 3-30-06

TESTER TRW & R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.55	2.79		2.41	
PULL #2	2.71	2.66		2.44	
PULL #3	2.77	2.67		2.60	
PULL #4	2.57	2.62		2.55	
PULL #5	2.61	2.50		2.50	
TOTAL	13.21	13.24		12.50	
AVERAGE	2.64	2.64		2.50	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.35		
PULL #2	3.36	3.35		
PULL #3	3.30	3.49		
PULL #4	3.36	3.50		
PULL #5	3.41	3.54		
TOTAL	16.60	17.23		
AVERAGE	3.32	3.44		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.38	4.14		4.14
PULL #2	4.05	4.14		4.15
PULL #3	4.13	4.17		4.15
PULL #4	4.05	3.89		4.06
PULL #5	4.09	4.11		4.20
TOTAL	20.70	20.45		20.70
AVERAGE	4.14	4.09		4.14

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

R & E NUMBER	110480		
SERIAL NUMBER	C6522268		
LOG-IN DATE	3-29-06		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIALS
550	DIS-ASSEMBLE GUN	3-31-06	RTL
560 A	RE-BARREL	4-3-06	RTL
B	DRILL AND TAP	4-4-06	TRW
575	ASSEMBLE	4-4-06	RTL
600	PROOF	4-4-06	TRW
605	CHECK HEADSPACE	4-4-06	TRW
610	DIS-ASSEMBLE GUN	4-4-06	RTL
612	MAGNAFLUX	4-3-06	APD
615	ROLLMARK CALIBER	4-5-06	CW
618	ROTO-BLAST	4-5-06	LB
620	APPLY COATINGS	4-10-06	TRW
625 A	FINAL ASSEMBLY	4-10-06	RTL
B	TRIGGER PULL TEST	4-12-06	AC
C	SAFETY "ON" FORCE	4-12-06	AC
D	SAFETY "OFF" FORCE	4-12-06	AC
E	FIRING PIN INDENT	4-12-06	AC
640	TARGET	4-11-06	MJM
655	FINAL INSPECT	4-12-06	AC
660	PACK	4-18-06	APD
		SHIP DATE	
		QAR INSPECTION DATE	

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 WJKDCO	1b. CUSTOMER UNIT NAME C Co 3/89 CAV	1c. PHONE NO 531-8281	3a. WORK ORDER NUMBER (WON)	3b. SHOP	3c. PHONE NO
2a. SAMS-2 UIC/SAMS-I/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 1005012402136	15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751		
8. MODEL m 24	9. NOUN sniper Rifle		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
10a. ORG WON/DOC NO	10b. EIC		H R		
11. SERIAL NUMBER 6522208	12. QTY 1	13. PD 05	17. PROJECT CODE (if assigned)	18. ACCOUNT PROCESSING CODE	19. IN WARRANTY? (enter Y or N)
14. MALFUNCTION DESCRIPTION (for DSU, GSU/AVIM, DEPOT use)			20. ADMIN NO		
21. REIMBURSABLE CUSTOMER (if Intransit customer enter Y or N)			22. LEVEL OF WORK		
			23. SIGNATURE Jon R. Gardner CPT, IN Commanding		
24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not prescribe repairs) The weapon is showing signs of being shot out. The round count is 8,121 rounds.					
25. REMARKS Poc. SSG Thomas Bailey 337-531-8287					

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-I/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 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.

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.

34a. SUBMITTED BY	35a. ACCEPTED BY	35c. DATE
34b. DATE	35b. STATUS	35d. TIME

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.

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

MODEL 700™ H24

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

DU PONT

SERIAL NO.
 C6522268

ORDER NO.
5716

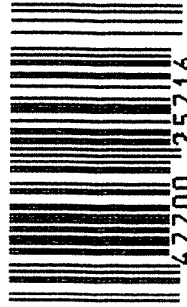
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6522268

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522268

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/1/90	KS
600	Proof		8/1/90	KS
607	Check Headspace		8/1/90	KS
610	Dis-assemble Gun		8/1/90	KS
612	Magnaflux Barrel Action		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	LS
617	Drill and Tap Sight Holes		8/10/90	LS
618	Polish Barrel <i>LS</i>		8/14/90	LS
620	Apply Coatings (Barrel Action)		8-22-90	TJA
	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		9/6/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			9/6/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			9/6/90	WB
	H) Trigger Pull Test & Retainability						9/6/90	WB
	I) Firing Pin Indent	.023	.023	.023			9/6/90	WB
	J) Assemble Stock						9/6/90	KS
	K) Assemble Swivel Studs						9/13/90	KS
	L) Attach Front and Rear Sight Assemblies						9/6/90	KS
	M) Iron Sight Alignment						9/6/90	KS
	N) Detach Front & Rear Sights & place in numbered container						9/6/90	KS
	O) Attach Scope to Rifle						9/6/90	KS
	P) Detach & Attach Scope 20 Times						9/6/90	KS
640	Gallery Target & Test						9/8/90	KJ
	A) Time						9/8/90	KJ
	B) Malfunctions						9/8/90	KJ
	C) Pierced Primers						9/8/90	KJ
	D) Optical Clarity of Scope						9/8/90	KJ
645	Inspect for Live Ammo						9-8-90	KJ
655	Final Inspection							
	A) Headspace						9/13/90	KS
	B) Trigger Pull	2.10	2.20	2.18	2.27	2.25	9-12-90	KS
	C) Function						9/13/90	KS
660	Pack						9/19/90	AF

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	<i>adjusted May Box</i>	<i>KS</i>
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

MOD. _____		GA. CAL. _____	GUN # _____
# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Tight mag. Box	
	2nd		
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50#+ .50#
3.00#+ .75#
4.00#+1.00#

SERIAL NO. C 6522268
DATE 9/6/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.20	2.12	2.10	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.19	2.19	2.20	
PULL #3	2.42	2.13	2.13	2.18	
PULL #4	2.44	2.12	2.11	2.27	
PULL #5	2.49	2.11	2.06	2.25	
TOTAL	12.19	10.75	10.61		
AVG.	2.44	2.15	2.12		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.87	3.10		
PULL #2	3.18	3.11		
PULL #3	3.18	3.13		
PULL #4	3.07	3.11		
PULL #5	3.09	3.12		
TOTAL	15.69	15.47		
AVG.	3.14	3.09		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.00		4.34
PULL #2	4.16	4.03		4.39
PULL #3	4.14	4.02		4.22
PULL #4	4.16	4.04		4.24
PULL #5	4.08	4.02		4.17
TOTAL	20.73	20.11		21.36
AVG.	4.14	4.02		4.27

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522268
8 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.188024
1 TO	2	.306139
1 TO	3	.246293
1 TO	4	.0360694
1 TO	5	.198565

σ^2 <----POB

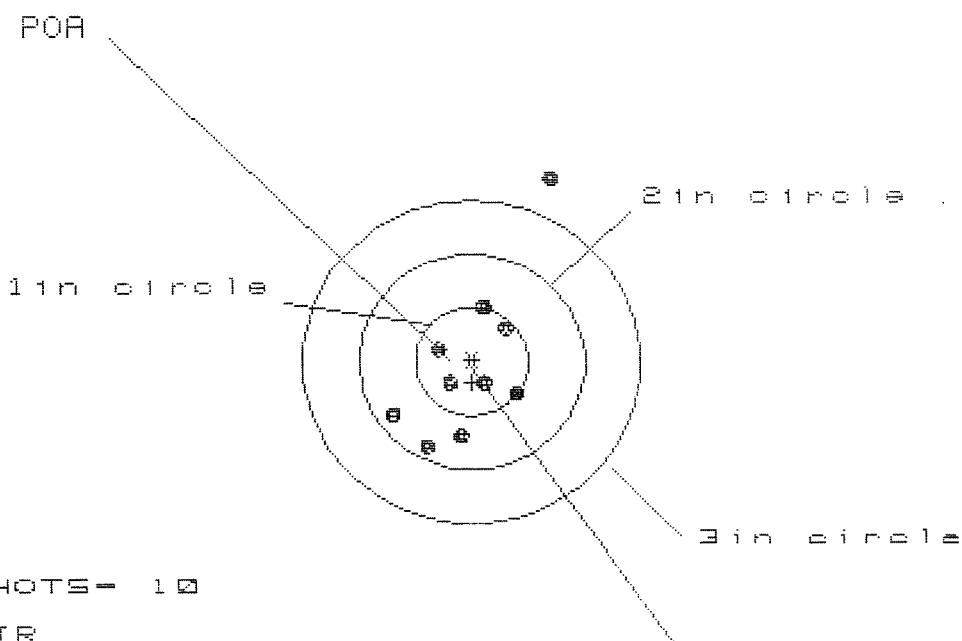
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0092
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1486
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .148885

THE AMR FOR THIS RIFLE IS: .984

6 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522268

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 5

2in = 9

3in = 8

HS= 1.393

VS= 2.459

GS= 2.713

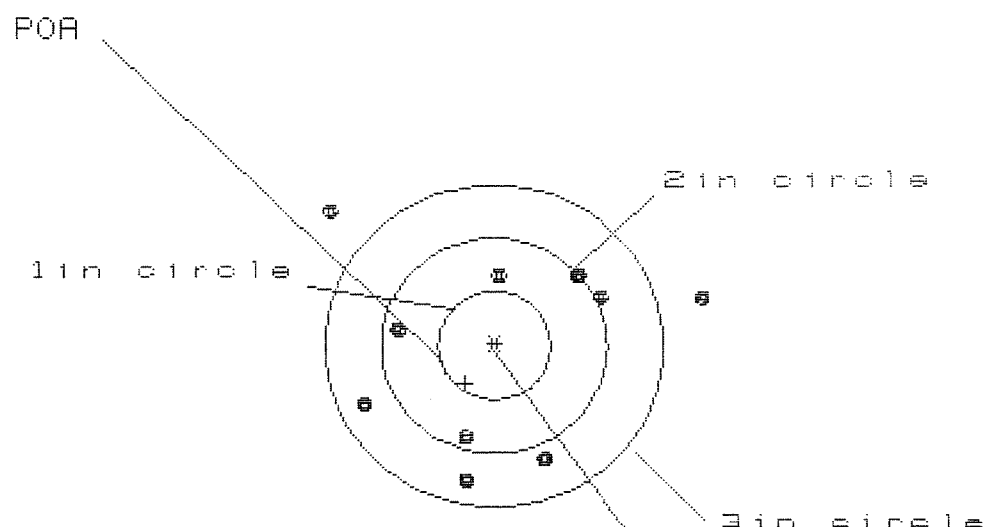
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.742	.513	.473
MINIMUM X	:	-.651	-.569	-.609
MAXIMUM Y	:	1.692	.665	.592
MINIMUM Y	:	-.767	-.579	-.583
CENTROID X	:	-.003	-.085	-.045
CENTROID Y	:	.188	.000	.073
POA TO CENTROID in.	:	.188	.085	.085
MIN RADIUS	:	.176	.091	.115
MEAN RADIUS	:	.637	.469	.439
MAX RADIUS	:	1.847	.679	.725
HORIZONTAL SPREAD	:	1.393	1.082	1.082
VERTICAL SPREAD	:	2.459	1.244	1.175
EXTREME SPREAD	:	2.713	1.327	1.282
NUMBER IN ONE INCH CIRCLE	=	5		
NUMBER IN TWO INCH CIRCLE	=	9		
NUMBER IN THREE INCH CIRCLE	=	9		

8 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522268

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS= 3.307

VS= 2.482

GS= 3.403

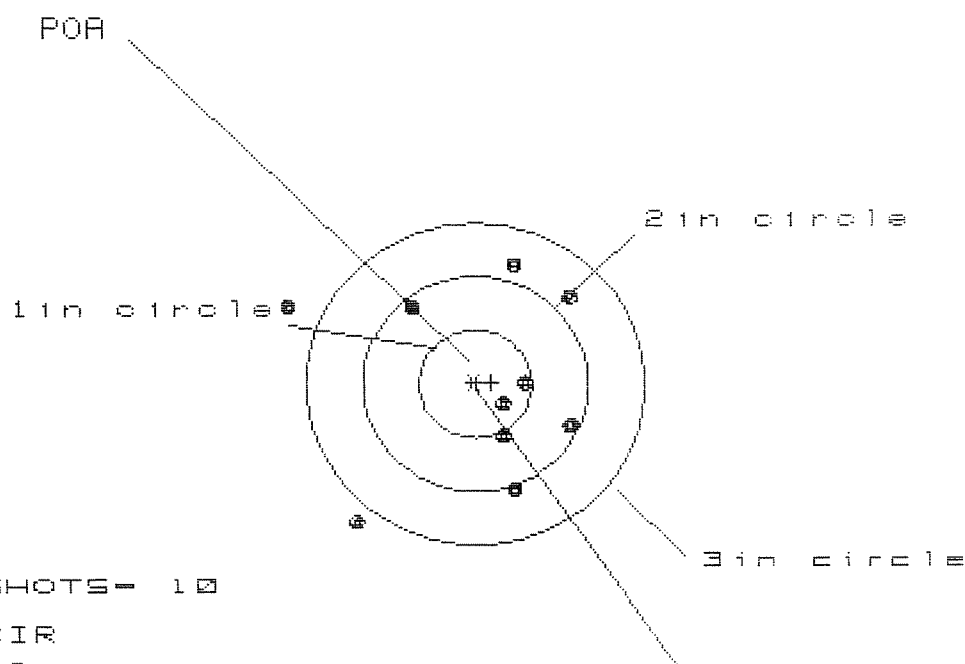
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.831	1.667	.954
MINIMUM X	:	-1.476	-1.344	-1.136
MAXIMUM Y	:	1.265	.830	.905
MINIMUM Y	:	-1.217	-1.077	-1.002
CENTROID X	:	.258	.422	.214
CENTROID Y	:	.348	.208	.133
POA TO CENTROID in.	:	.434	.471	.252
MIN RADIUS	:	.694	.834	.678
MEAN RADIUS	:	1.192	1.099	.991
MAX RADIUS	:	1.944	1.772	1.180
HORIZONTAL SPREAD	:	3.307	3.011	2.090
VERTICAL SPREAD	:	2.482	1.907	1.907
EXTREME SPREAD	:	3.403	3.169	2.305
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.528

VS= 2.384

GS= 2.865

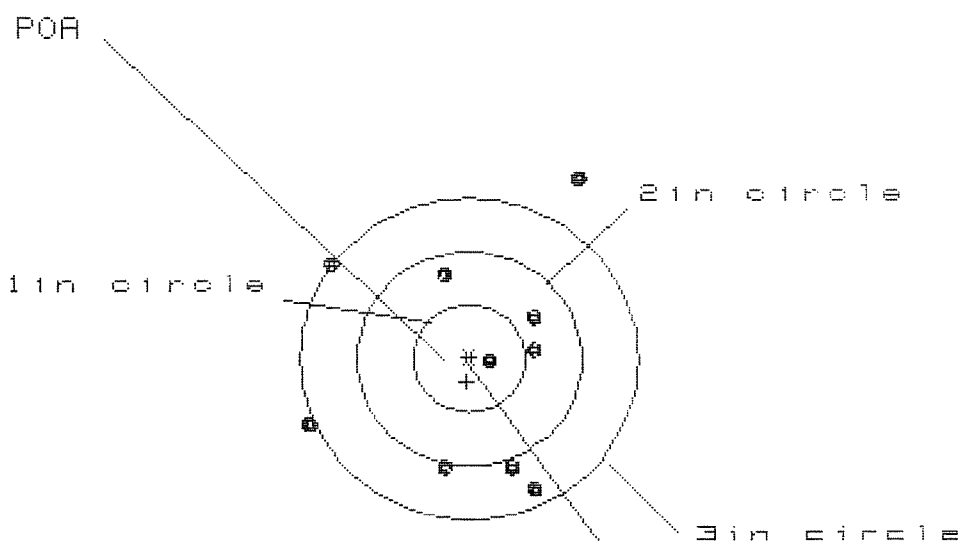
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.867	.683	.524
MINIMUM X	:	-1.661	-1.273	-.873
MAXIMUM Y	:	1.084	1.163	1.010
MINIMUM Y	:	-1.300	-1.221	-1.096
CENTROID X	:	-.141	.043	.202
CENTROID Y	:	-.016	-.095	.058
POA TO CENTROID in.	:	.142	.104	.211
MIN RADIUS	:	.308	.132	.102
MEAN RADIUS	:	.991	.834	.704
MAX RADIUS	:	1.806	1.764	1.096
HORIZONTAL SPREAD	:	2.528	1.956	1.397
VERTICAL SPREAD	:	2.384	2.384	2.106
EXTREME SPREAD	:	2.865	2.865	2.107
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 2.360

VS= 2.805

GS= 3.283

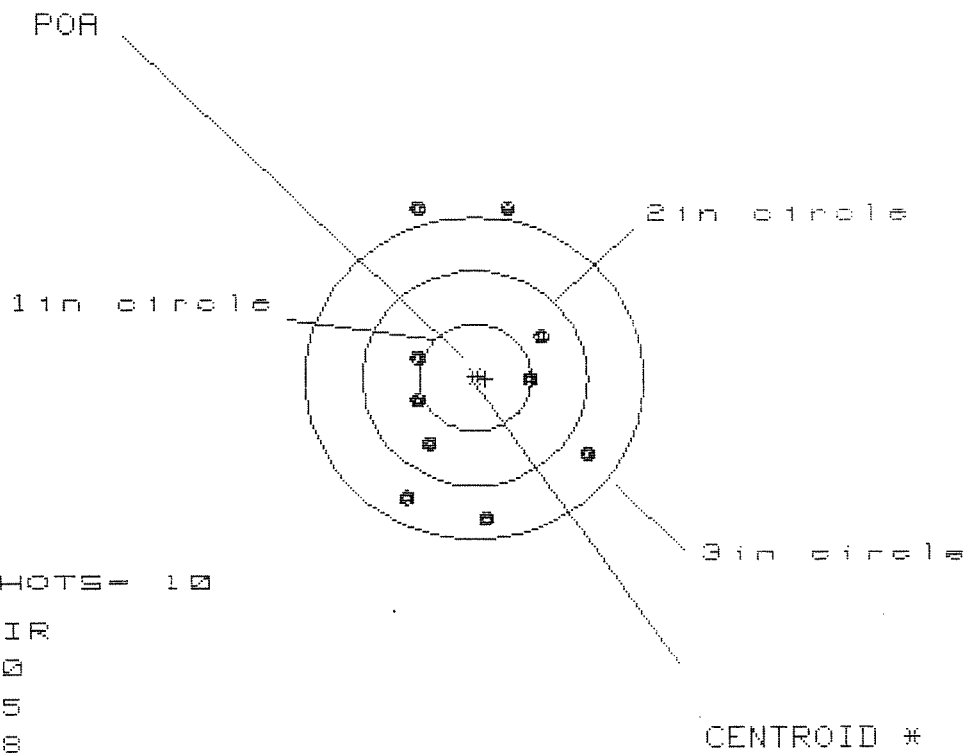
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.938	.730	.587
MINIMUM X	:	-1.422	-1.318	-1.461
MAXIMUM Y	:	1.688	1.104	1.151
MINIMUM Y	:	-1.217	-1.030	-.891
CENTROID X	:	.023	-.081	.062
CENTROID Y	:	.213	.026	-.113
POA TO CENTROID in.	:	.214	.085	.129
MIN RADIUS	:	.159	.340	.375
MEAN RADIUS	:	1.076	.993	.887
MAX RADIUS	:	1.931	1.592	1.486
HORIZONTAL SPREAD	:	2.360	2.048	2.048
VERTICAL SPREAD	:	2.905	2.134	2.043
EXTREME SPREAD	:	3.283	2.794	2.203
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 1.542

VS= 2.972

GS= 3.048

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.963	.903	.936
MINIMUM X	:	-.579	-.639	-.606
MAXIMUM Y	:	1.635	1.815	.839
MINIMUM Y	:	-1.337	-1.156	-.929
CENTROID X	:	-.091	-.031	-.064
CENTROID Y	:	.010	-.171	-.398
POR TO CENTROID in.	:	.092	.174	.403
MIN RADIUS	:	.534	.506	.496
MEAN RADIUS	:	1.024	.926	.792
MAX RADIUS	:	1.721	1.834	1.025
HORIZONTAL SPREAD	:	1.542	1.542	1.542
VERTICAL SPREAD	:	2.972	2.971	1.768
EXTREME SPREAD	:	3.048	2.977	1.918
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	