

C6498747

MODEL 700™ M24

Model **SMS**™

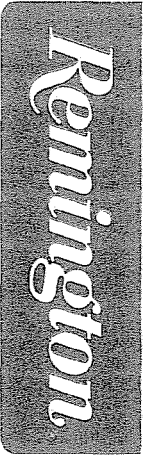
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00113471

Serial: C64987847 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 6/12/2006 2:30:18 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: XU W4UJ USA GARRISON ALASKA

XU W4UJ USA GARRISON ALASKA

Address 1: SUP DIV DOL BLDG 804 TRANS

SUP DIV DOL BLDG 804 TRANS

Address 2: 804 WHSE ST (907) 384-7692

PO Box:

804 WHSE ST (907) 384-7692

PO Box:

City: FT RICHARDSON

FT RICHARDSON

State: AK

Zip Code: 99505

Country: US

State: AK

Zip Code: 99505

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
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A055	Deployment Kit	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

6/13/2006

8:29 AM

CAPS

NUM

INS

SCRL



Serial Number: **C6498747**
Model: **M24 SWS**

RE00113471

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498747.___0

FILE DATE AND TIME: 06/27/2006 17:54

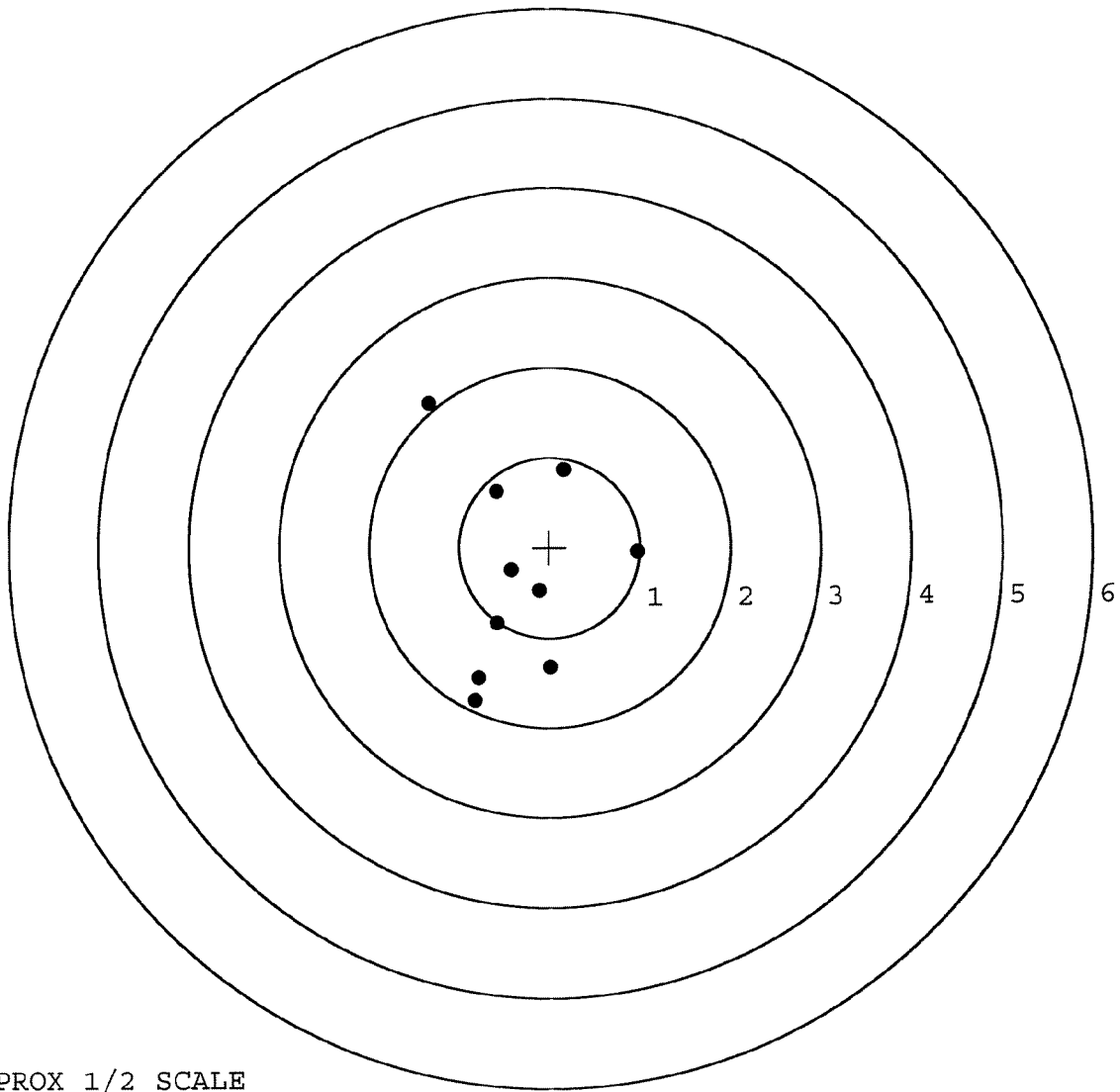
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.129
The Average Y Centroid of the Five Target Set:	-0.096
The Average Point of Impact of the Five Target Set:	0.161
The Average Mean Radius of the Five Target Set:	0.834
The Distance from POA to Centroid Target #1:	0.461
The Distance from Centroid Target #2 to Centroid Target #1:	0.257
The Distance from Centroid Target #3 to Centroid Target #1:	0.240
The Distance from Centroid Target #4 to Centroid Target #1:	0.588
The Distance from Centroid Target #5 to Centroid Target #1:	0.431

SERIAL NUMBER: C6498747. __0
 TARGET NUMBER: 1
 FILE DATE: 06/27/2006
 FILE TIME: 17:54

POINT#	X	Y
1:	0.979	-0.058
2:	0.165	0.865
3:	-1.327	1.609
4:	-0.585	0.622
5:	-0.423	-0.255
6:	-0.116	-0.481
7:	-0.580	-0.837
8:	0.009	-1.331
9:	-0.789	-1.442
10:	-0.832	-1.699

X CENTROID: -0.350
 Y CENTROID: -0.301
 POA TO CENTROID: 0.461
 HORZ SPREAD: 2.306
 VERT SPREAD: 3.308
 GROUP SPREAD: 3.345
 MIN RADIUS: 0.086
 MAX RADIUS: 2.145
 MEAN RADIUS: 1.048
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 9

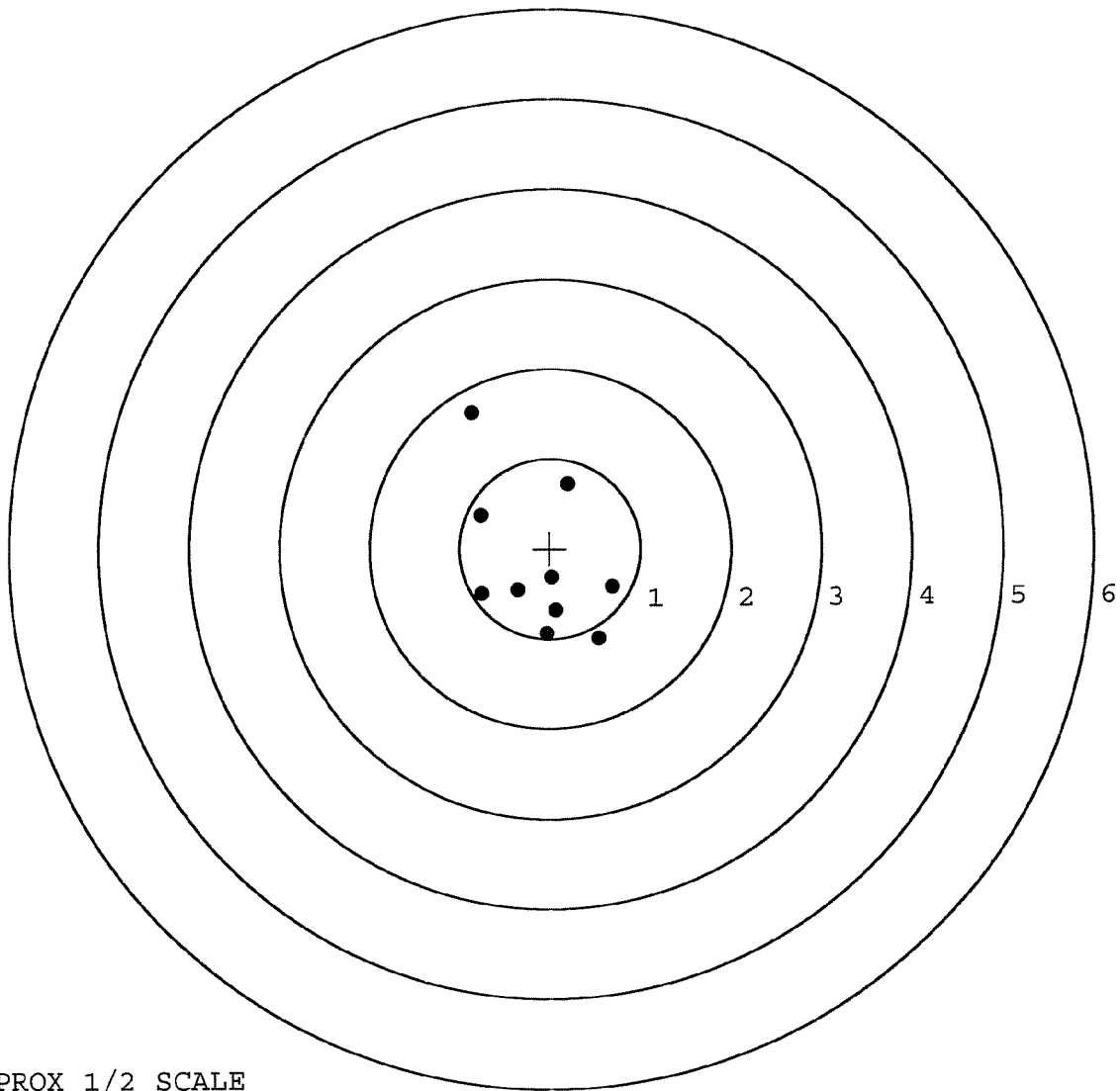


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498747. __0
 TARGET NUMBER: 2
 FILE DATE: 06/27/2006
 FILE TIME: 17:54

X CENTROID: -0.125
 Y CENTROID: -0.176
 POA TO CENTROID: 0.216
 HORZ SPREAD: 1.549
 VERT SPREAD: 2.516
 GROUP SPREAD: 2.878
 MIN RADIUS: 0.209
 MAX RADIUS: 1.843
 MEAN RADIUS: 0.816
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.536	-1.003
2:	-0.035	-0.953
3:	0.067	-0.688
4:	0.688	-0.428
5:	0.021	-0.325
6:	-0.355	-0.463
7:	-0.755	-0.505
8:	-0.763	0.370
9:	0.202	0.718
10:	-0.861	1.513

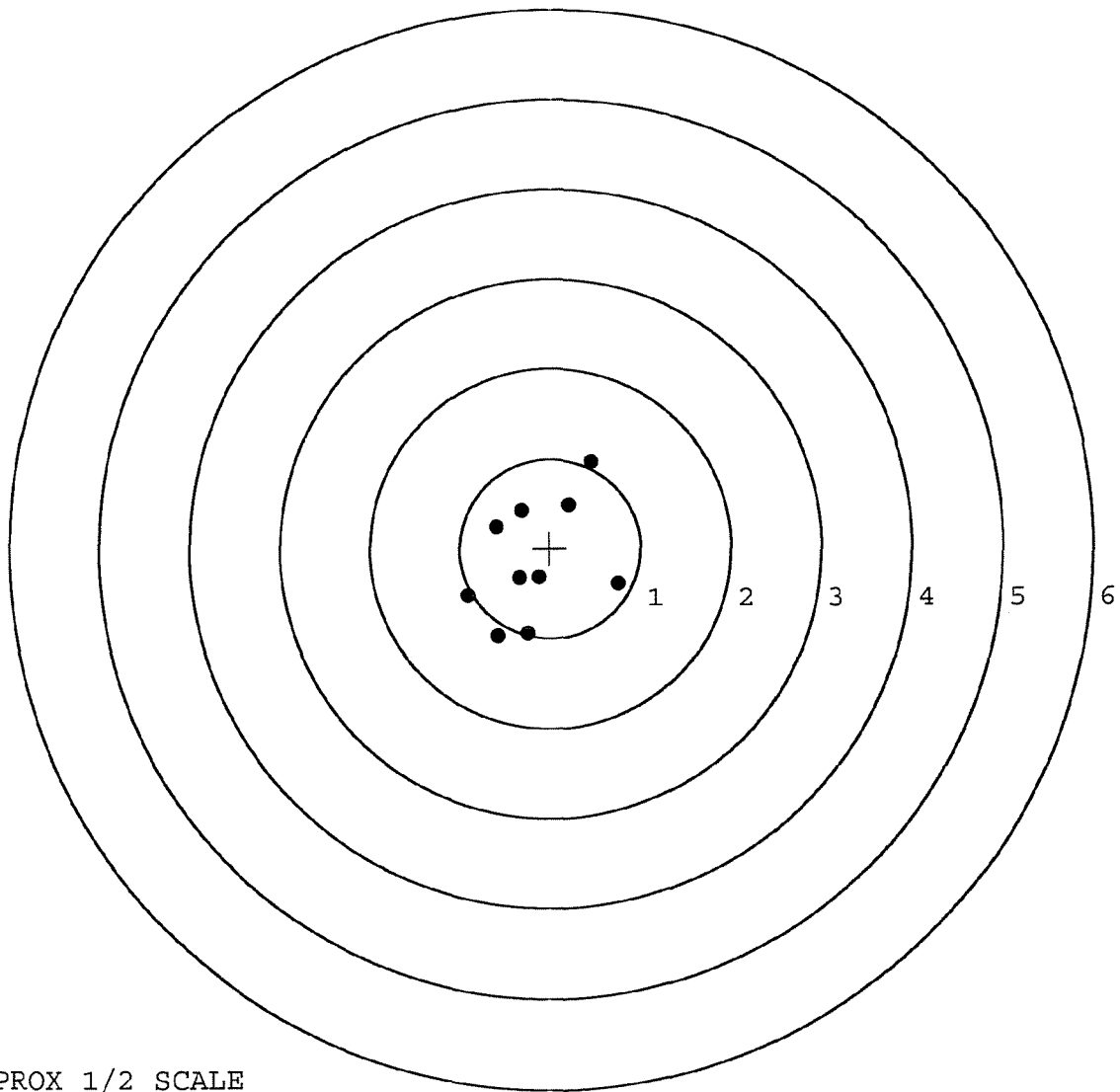


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498747. __0
 TARGET NUMBER: 3
 FILE DATE: 06/27/2006
 FILE TIME: 17:54

POINT#	X	Y
1:	-0.575	-0.986
2:	-0.251	-0.958
3:	-0.912	-0.529
4:	-0.339	-0.338
5:	-0.125	-0.332
6:	0.756	-0.399
7:	0.458	0.967
8:	0.208	0.487
9:	-0.319	0.426
10:	-0.598	0.243

X CENTROID: -0.170
 Y CENTROID: -0.142
 POA TO CENTROID: 0.221
 HORZ SPREAD: 1.668
 VERT SPREAD: 1.953
 GROUP SPREAD: 2.209
 MIN RADIUS: 0.195
 MAX RADIUS: 1.274
 MEAN RADIUS: 0.718
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

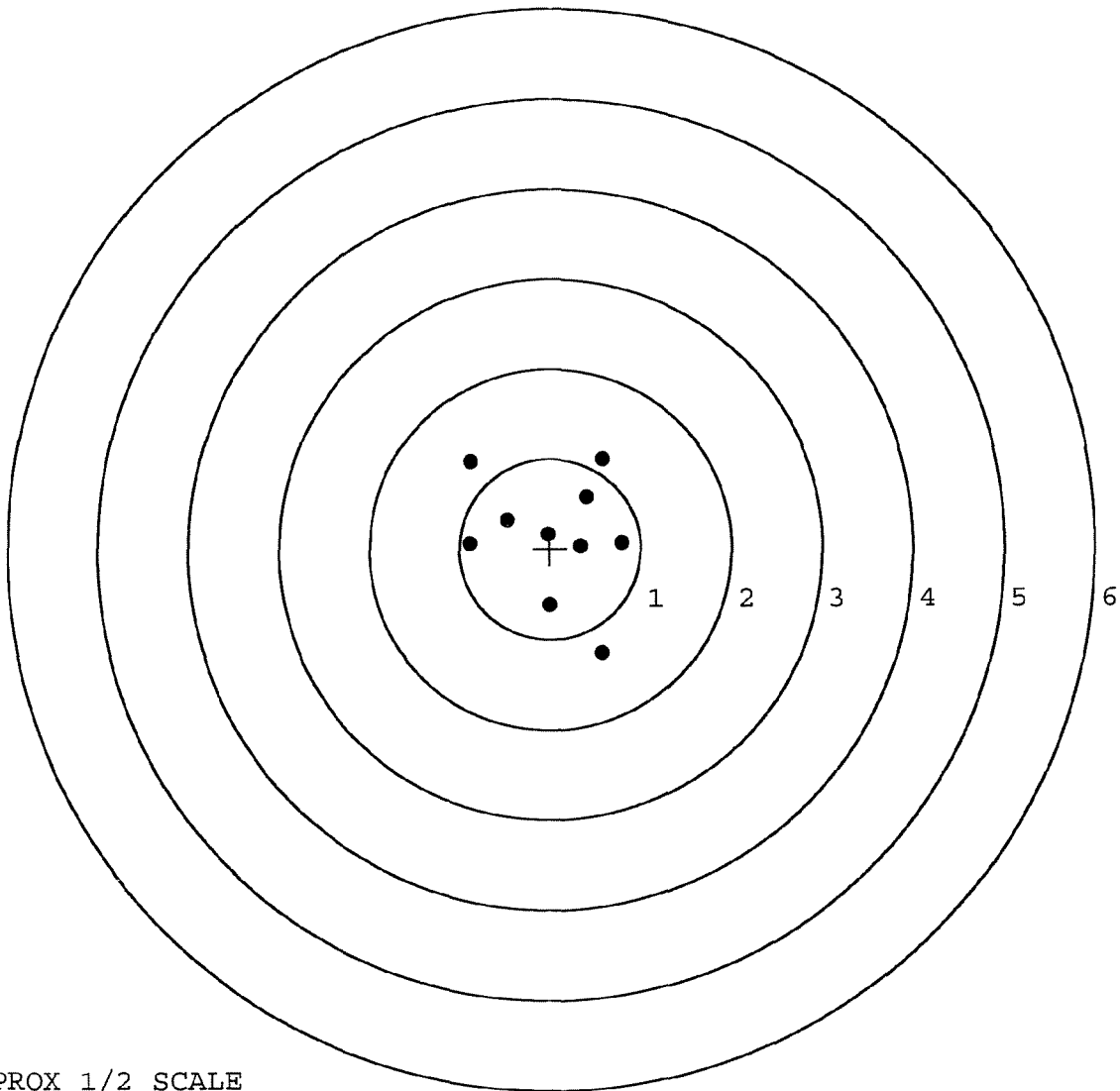


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498747. __0
 TARGET NUMBER: 4
 FILE DATE: 06/27/2006
 FILE TIME: 17:54

X CENTROID: 0.042
 Y CENTROID: 0.138
 POA TO CENTROID: 0.144
 HORZ SPREAD: 1.678
 VERT SPREAD: 2.157
 GROUP SPREAD: 2.575
 MIN RADIUS: 0.068
 MAX RADIUS: 1.401
 MEAN RADIUS: 0.761
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.576	-1.157
2:	-0.003	-0.633
3:	0.788	0.061
4:	0.335	0.032
5:	0.401	0.580
6:	0.581	1.000
7:	-0.472	0.315
8:	-0.890	0.054
9:	-0.876	0.970
10:	-0.025	0.154



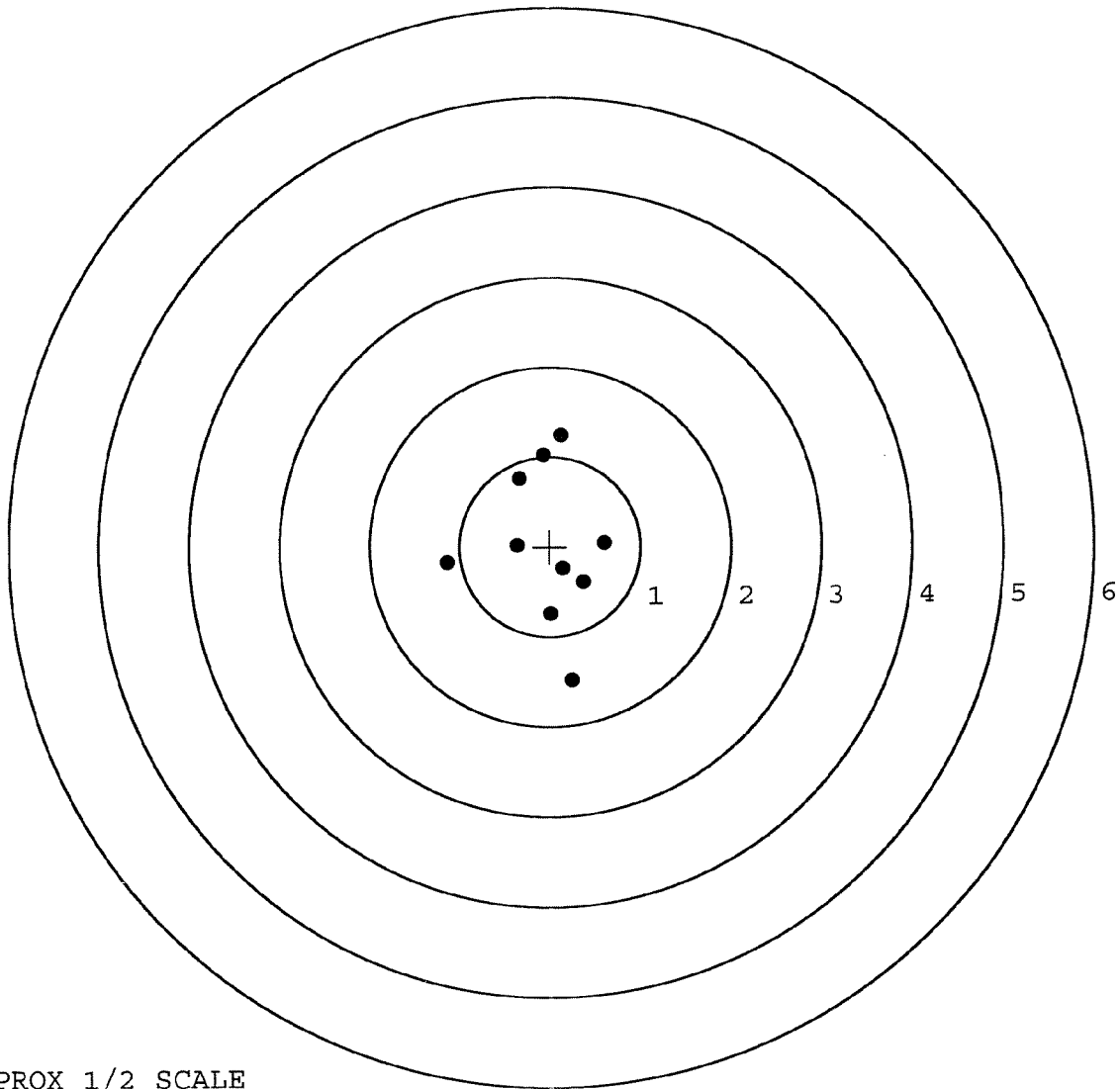
TARGET APPROX 1/2 SCALE

BARBER - M24 0006943

SERIAL NUMBER: C6498747. __0
 TARGET NUMBER: 5
 FILE DATE: 06/27/2006
 FILE TIME: 17:54

POINT#	X	Y
1:	0.240	-1.488
2:	0.600	0.044
3:	0.370	-0.394
4:	0.142	-0.242
5:	0.011	-0.749
6:	-1.136	-0.179
7:	-0.366	0.015
8:	-0.337	0.755
9:	-0.073	1.014
10:	0.129	1.236

X CENTROID: -0.042
 Y CENTROID: 0.001
 POA TO CENTROID: 0.042
 HORZ SPREAD: 1.736
 VERT SPREAD: 2.724
 GROUP SPREAD: 2.726
 MIN RADIUS: 0.305
 MAX RADIUS: 1.516
 MEAN RADIUS: 0.829
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

INSPECTION CHECKLIST - REPAIRS
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	113471		
SERIAL NUMBER	C6498747		
LOG-IN DATE	6-12-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-20-06	RTZ
505	RE-BARREL	6-21-06	RTZ
420	ASSEMBLE	6-21-06	RTZ
440	PROOF	6-23-06	TRW
460	CHECK HEADSPACE	6-23-06	TRW
470	DIS-ASSEMBLE GUN	6-23-06	RTZ
480	MAGNAFLUX	6-23-06	mm
510	DRILL AND TAP	6-23-06	TRW
500	ROLLMARK CALIBER	6-23-06	CW
520	GOFF BLAST BBL / REC	6-23-06	LB
530 & 540	APPLY COATINGS	6-24-06	RB
560	FINAL ASSEMBLY	6-27-06	RLC
640	FUNCTION TEST AND	PASS FAIL 6-27-06	MTM
650	TARGET	PASS FAIL 6-27-06	MTM
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		
	A) HEADSPACE	PASS FAIL 6-28-06	AE
	B) TRIGGER PULL	N/A	AE
680	F) SAFETY ON FORCE	4/6s 4/6s 4/6s	AE
	G) SAFETY OFF FORCE	3/6s 3/6s 3/6s	AE
	I) FIRING PIN INDENT	.022 .022 .022	AE
690	PACK	7-6-06	DA

F006 REV 5/2006

BARREL ASSEMBLY

BARREL_____
RECEIVER_____
FRONT SIGHT BASE_____
REAR SIGHT BASE_____
SCREWS_____
FINISH

SCOPE ASSEMBLY

SCOPE_____
SCOPE RINGS_____
MOUNTING SCREWS_____
MOUNTING BASE_____
SCREWS_____
FINISH_____
CLARITY

STOCK ASSEMBLY

STOCK_____
SLING SWIVEL STUDS_____
BUTT PATE_____
LOCK NUTS_____
BARREL CLEARANCE_____
COLOR / FINISH

SYSTEM CASE

SCOPE CASE_____
IRON SIGHTS_____
DEPLOYMENT KIT

TRIGGER ASSEMBLY

SAFETY OPERATION_____
RE-SET TO FACTORY
SPECS

COMMENTS: _____

F006 REV 5/2006

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		1b. CUSTOMER UNIT NAME		1c. PHONE NO		3a. WORK ORDER NUMBER (WON)		3b. SHOP		3c. PHONE NO	
4a. UIC SUPPORT UNIT		4b. SUPPORT UNIT NAME		4c. PHONE NO		4d. UIC SUPPORT UNIT		4e. SUPPORT UNIT NAME		4f. PHONE NO	
SECTION III - EQUIPMENT DATA				SECTION IV - TASK REQUIREMENTS DATA							
5. TYPE MNT REQ CODE		6. ID		7. NSN		15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751					
8. MODEL		9. NOUN		10a. ORG WON/DOC NO		10b. EIC		15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code) See DA Pamphlets 738-750 and 738-751		16. MILES/KILOMETERS/HOURS/ROUNDS	
11. SERIAL NUMBER		12. QTY		13. PD		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)				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)											
25. REMARKS											
26. TECHNICAL REFERENCES											
SECTION V - PART REQUIREMENTS											
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		27j. STORAGE LOCATION		27k. INITIALS		27l. COST \$	
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		35b. STATUS		35d. TIME		36b. STATUS		36c. DATE		36d. TIME	
37b. STATUS		37c. DATE		37d. TIME		38b. STATUS		38c. DATE		38d. TIME	

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

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

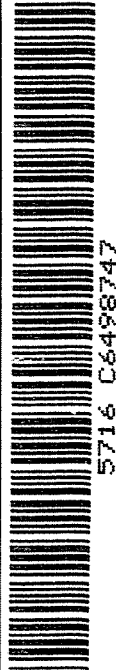
MODEL 700™ M24

SERIAL NO.
C6498747

ORDER NO.
5716

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

01



5716 C6498747

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498747

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9 90		RW
610	Dis-assemble Gun	5 9 90		RW
612	Magnaflux Barrel Action	5-15-90		KCR
	Magnaflux Bolt	5-15-90		KCR
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes		5/17/90	FB
618	Polish Barrel RB		5/17/90	WB
620	Apply Coatings (Barrel Action)		5-25-90	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/5/90	QA

BARBER - M24 0006949								
op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4	4	4	6/5/90	QJ		
	G) Safety Off Force	3	3	3	6/5/90	QJ		
	H) Trigger Pull Test & Retainability				6/5/90	QJ		
	I) Firing Pin Indent	.023	.022	.022	6/5/90	QJ		
	J) Assemble Stock				6/6/90	RW		
	K) Assemble Swivel Studs				6-8-90	QJ		
	L) Attach Front and Rear Sight Assemblies				6/6/90	RW		
	M) Iron Sight Alignment				6/6/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				6/6/90	RW		
	O) Attach Scope to Rifle				6/6/90	WB		
	P) Detach & Attach Scope 20 Times				6/6/90	WB		
640	Gallery Target & Test				6-7-90	DH		
	A) Time				6-7-90	DH		
	B) Malfunctions				6-7-90	DH		
	C) Pierced Primers				6-7-90	DH		
	D) Optical Clarity of Scope				6-7-90	DH		
645	Inspect for Live Ammo				6-7-90	DH		
655	Final Inspection				6-8-90	QJ		
	A) Headspace				6-8-90	QJ		
	B) Trigger Pull	266	264	264	268	258	6-8-90	QJ
	C) Function						6-8-90	QJ
660	Pack						6-7-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6498747DATE 6/5/90TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.16	2.40	2.66	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.25	2.35	2.64	
PULL #3	2.29	2.20	2.36	2.64	
PULL #4	2.40	2.40	2.40	2.68	
PULL #5	2.26	2.36	2.35	2.58	
TOTAL	11.81	11.37	11.86		
AVG.	2.362	2.274	2.372		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.44		
PULL #2	3.46	3.44		
PULL #3	3.45	3.42		
PULL #4	3.46	3.48		
PULL #5	3.36	3.45		
TOTAL	17.18	17.23		
AVG.	3.436	3.446		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.46		4.31
PULL #2	4.39	4.46		4.36
PULL #3	4.43	4.49		4.43
PULL #4	4.43	4.23		4.40
PULL #5	4.43	4.26		4.31
TOTAL	22.06	21.90		21.81
AVG.	4.412	4.38		4.362

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06498747
7 Jun 1990

CENTROIDAL DISTANCES

0	TO	1	.41236
1	TO	2	.733219
1	TO	3	.5172
1	TO	4	.500836
1	TO	5	.676302

2
0.001 0.0000000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0826
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.012
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0334671
THE AMR FOR THIS RIFLE IS: .0436

7 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08498747

CENTERFIRE PATTERNS

1

POB

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

XBF = 2.465

YBF = 1.724

GSF = 2.657

PATTERN #

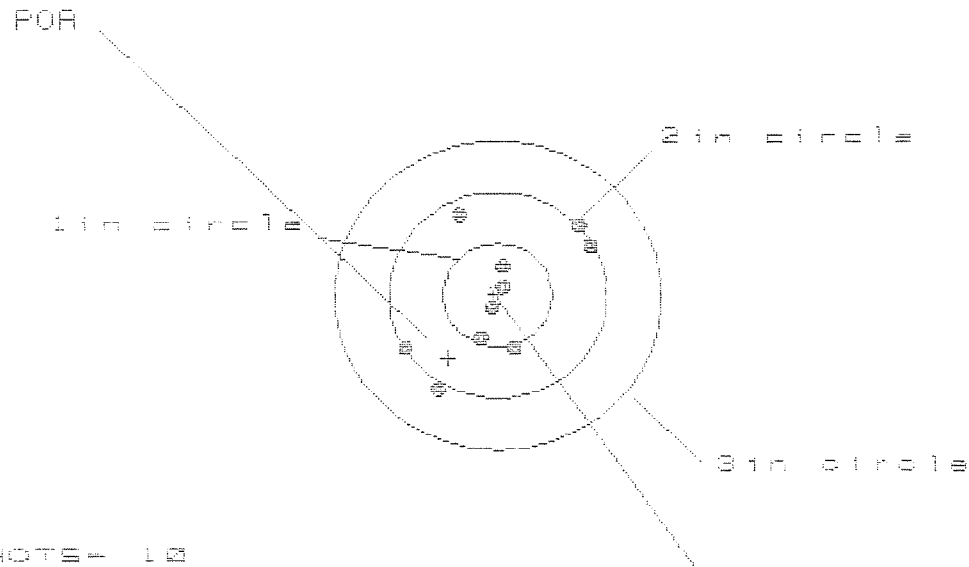
1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.405	1.179	1.071
MINIMUM X	-1.020	-0.864	-0.836
MAXIMUM Y	.688	.732	.652
MINIMUM Y	-1.036	-0.992	-1.072
CENTROID X	.396	.240	.348
CENTROID Y	-.115	-.159	-.079
POB TO CENTROID in.	.412	.288	.356
MIN RADIUS	.257	.109	.212
MEAN RADIUS	.894	.796	.766
MAX RADIUS	1.462	1.311	1.254
HORIZONTAL SPREAD	2.425	2.043	1.907
VERTICAL SPREAD	1.724	1.724	1.724
EXTREME SPREAD	2.657	2.230	2.230
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

7 JUN 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08498747

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

MEAN = 1.678

MS = 1.688

CS = 2.064

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.876	.962	.986
MINIMUM X	-.863	-.717	-.773
MAXIMUM Y	.793	.872	.771
MINIMUM Y	-.887	-.808	-.542
CENTROID X	.453	.367	.423
CENTROID Y	.616	.537	.638
FOR TO CENTROID in.	.765	.651	.765
MIN RADIUS	.081	.065	.069
MEAN RADIUS	.647	.594	.548
MAX RADIUS	1.052	1.137	1.037
HORIZONTAL SPREAD	1.679	1.679	1.679
VERTICAL SPREAD	1.688	1.688	1.313
EXTREME SPREAD	2.064	1.995	1.954
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

7 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/03498747

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 12

IN CIR

1 in = 1

2 in = 6

3 in = 10

ME = 1.542

VE = 2.338

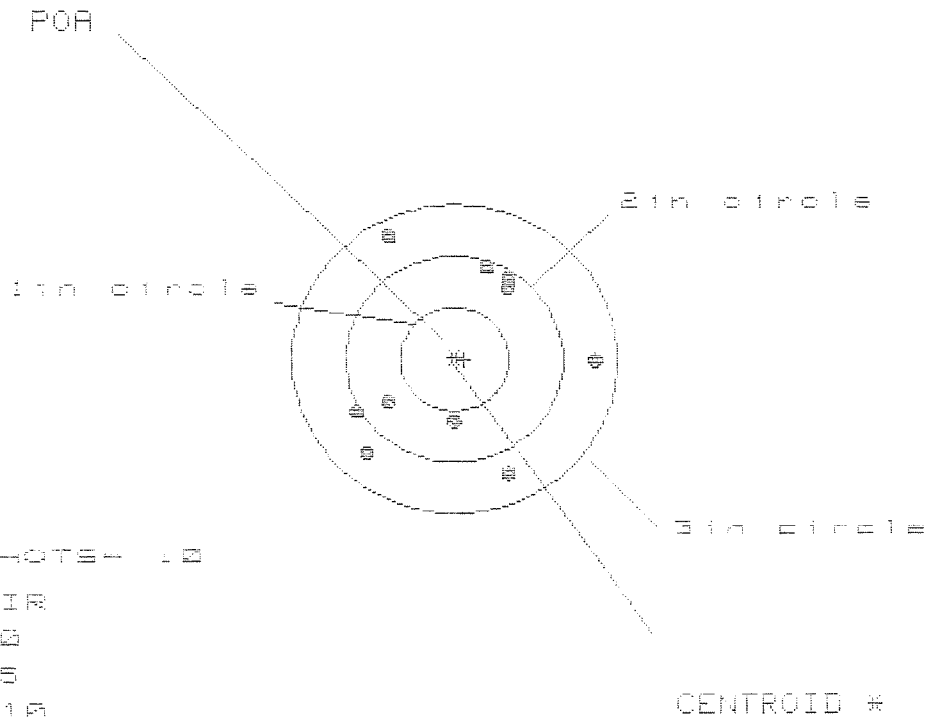
GE = 2.338

PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.742	.729	.728
MINIMUM X	-.800	-.718	-.728
MAXIMUM Y	1.183	1.068	.890
MINIMUM Y	-1.155	-1.270	-1.136
CENTROID X	-.114	-.196	-.186
CENTROID Y	-.281	-.086	-.220
POA TO CENTROID in.	.231	.214	.288
MIN RADIUS	.494	.564	.443
MEAN RADIUS	.913	.858	.826
MAX RADIUS	1.274	1.271	1.139
HORIZONTAL SPREAD	1.542	1.447	1.447
VERTICAL SPREAD	2.338	2.338	2.026
EXTREME SPREAD	2.395	2.338	2.131
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

7 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08498747

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 0

3 in = 10

HE = 0.163

VE = 0.602

GE = 0.535

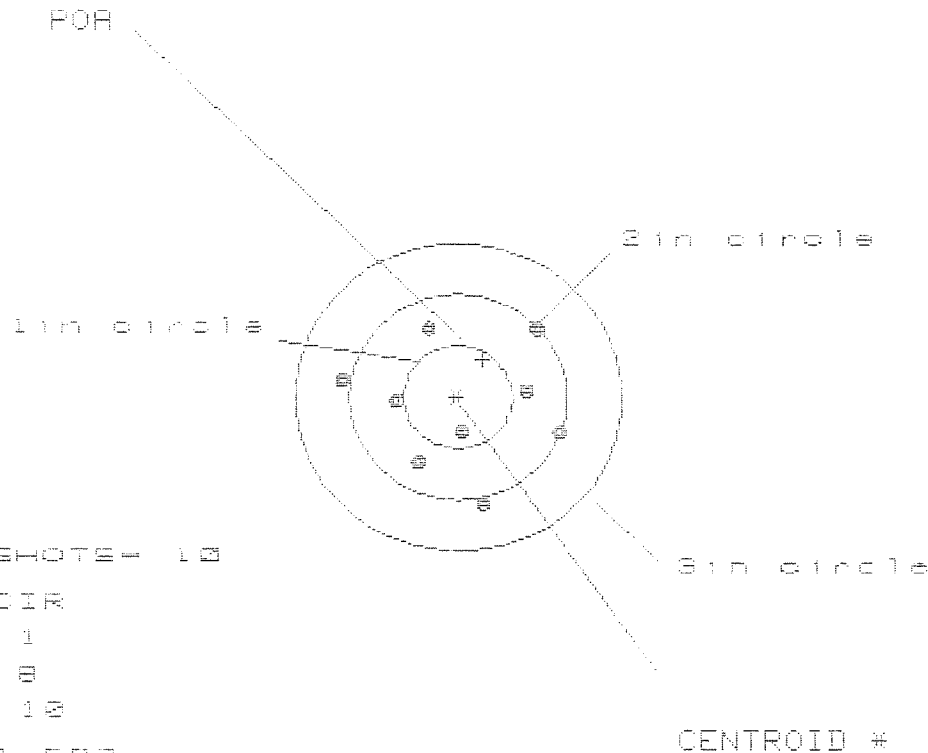
CENTROID #

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.280
MINIMUM X	-0.883
MAXIMUM Y	1.200
MINIMUM Y	-1.102
CENTROID X	-0.090
CENTROID Y	0.006
POA TO CENTROID in.	0.091
MIN RADIUS	0.557
MEAN RADIUS	0.998
MAX RADIUS	1.342
HORIZONTAL SPREAD	2.163
VERTICAL SPREAD	2.302
EXTREME SPREAD	2.535
NUMBER IN ONE INCH CIRCLE	0
NUMBER IN TWO INCH CIRCLE	5
NUMBER IN THREE INCH CIRCLE	10

7 Jun 1998

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 8

3 in = 10

MEAN = 1.500

STD = 1.705

SE = 0.047

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.901
MINIMUM X	-1.081
MAXIMUM Y	.696
MINIMUM Y	-1.010
CENTROID X	-.232
CENTROID Y	-.366
POR TO CENTROID in.	.433
MIN RADIUS	.293
MEAN RADIUS	.766
MAX RADIUS	1.095
HORIZONTAL SPREAD	1.982
VERTICAL SPREAD	1.705
EXTREME SPREAD	2.047
NUMBER IN ONE INCH CIRCLE	= 1
NUMBER IN TWO INCH CIRCLE	= 8
NUMBER IN THREE INCH CIRCLE	= 10