

C6349071

MODEL 700™ N24

Model **S&S**™

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: RE00151201

Serial: C6349072 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 9/16/2008 2:26:30 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: ISD ARMSROOM

ISD ARMSROOM

Address 1: 8TH DESERT STORM

8TH DESERT STORM

Address 2: BLDG 5210 BAY DOOR #30

PO Box:

BLDG 5210 BAY DOOR #30

PO Box:

City: FORT CAMPBELL

FORT CAMPBELL

State: KY

Zip Code: 42223

Country: US

State: KY

Zip Code: 42223

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglelj

9/16/2008

3:25 PM

CAPS

NUM

INS

SCRL

start

8 M

2 L

3 M

Ar...

Par...

Eas...

Sto...

9:25 PM

Serial
Number:

C6349072

Model M24 SWS



RE00151201

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349072.___0
FILE DATE AND TIME: 10/07/2008 16:02

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.103
The Average Y Centroid of the Five Target Set:	-0.062
The Average Point of Impact of the Five Target Set:	0.120
The Average Mean Radius of the Five Target Set:	0.741
The Distance from POA to Centroid Target #1:	0.154
The Distance from Centroid Target #2 to Centroid Target #1:	0.293
The Distance from Centroid Target #3 to Centroid Target #1:	0.258
The Distance from Centroid Target #4 to Centroid Target #1:	0.286
The Distance from Centroid Target #5 to Centroid Target #1:	0.216

SERIAL NUMBER: C6349072. __0

TARGET NUMBER: 1

FILE DATE: 10/07/2008

FILE TIME: 16:02

X CENTROID: 0.068

Y CENTROID: -0.138

POA TO CENTROID: 0.154

HORZ SPREAD: 1.695

VERT SPREAD: 1.702

GROUP SPREAD: 2.029

MIN RADIUS: 0.164

MAX RADIUS: 1.274

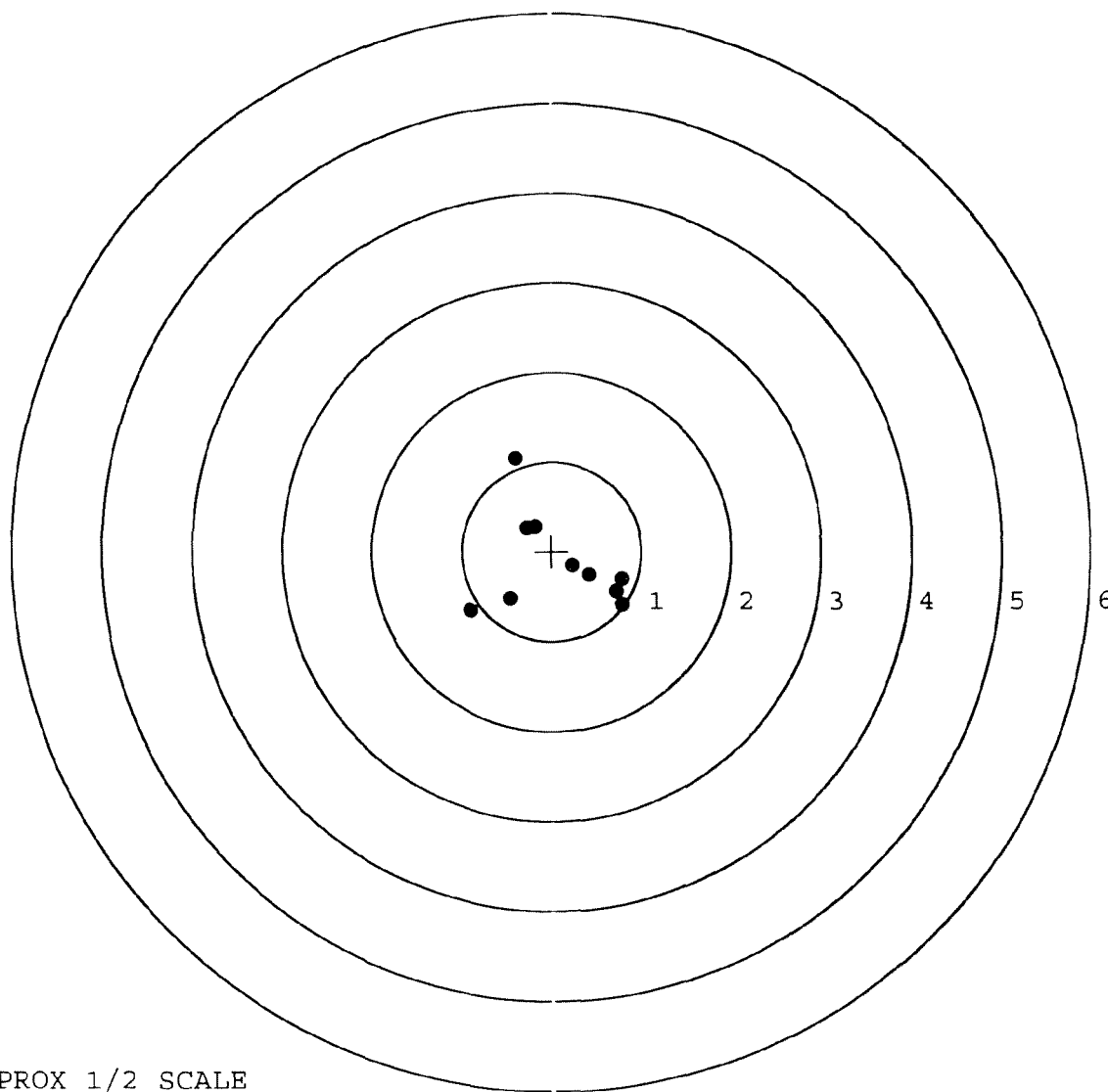
MEAN RADIUS: 0.691

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.405	1.045
2:	-0.909	-0.657
3:	-0.467	-0.522
4:	0.786	-0.598
5:	0.715	-0.451
6:	0.786	-0.310
7:	0.419	-0.263
8:	0.231	-0.161
9:	-0.286	0.262
10:	-0.187	0.276



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349072. __0

TARGET NUMBER: 2

FILE DATE: 10/07/2008

FILE TIME: 16:02

POINT#	X	Y
1:	-1.449	0.876
2:	-0.515	-1.463
3:	-0.637	0.585
4:	-0.504	0.376
5:	0.387	0.550
6:	0.671	0.359
7:	-0.220	-0.748
8:	-0.234	-1.206
9:	0.084	-0.826
10:	0.285	-0.697

X CENTROID: -0.213

Y CENTROID: -0.219

POA TO CENTROID: 0.306

HORZ SPREAD: 2.120

VERT SPREAD: 2.339

GROUP SPREAD: 2.519

MIN RADIUS: 0.529

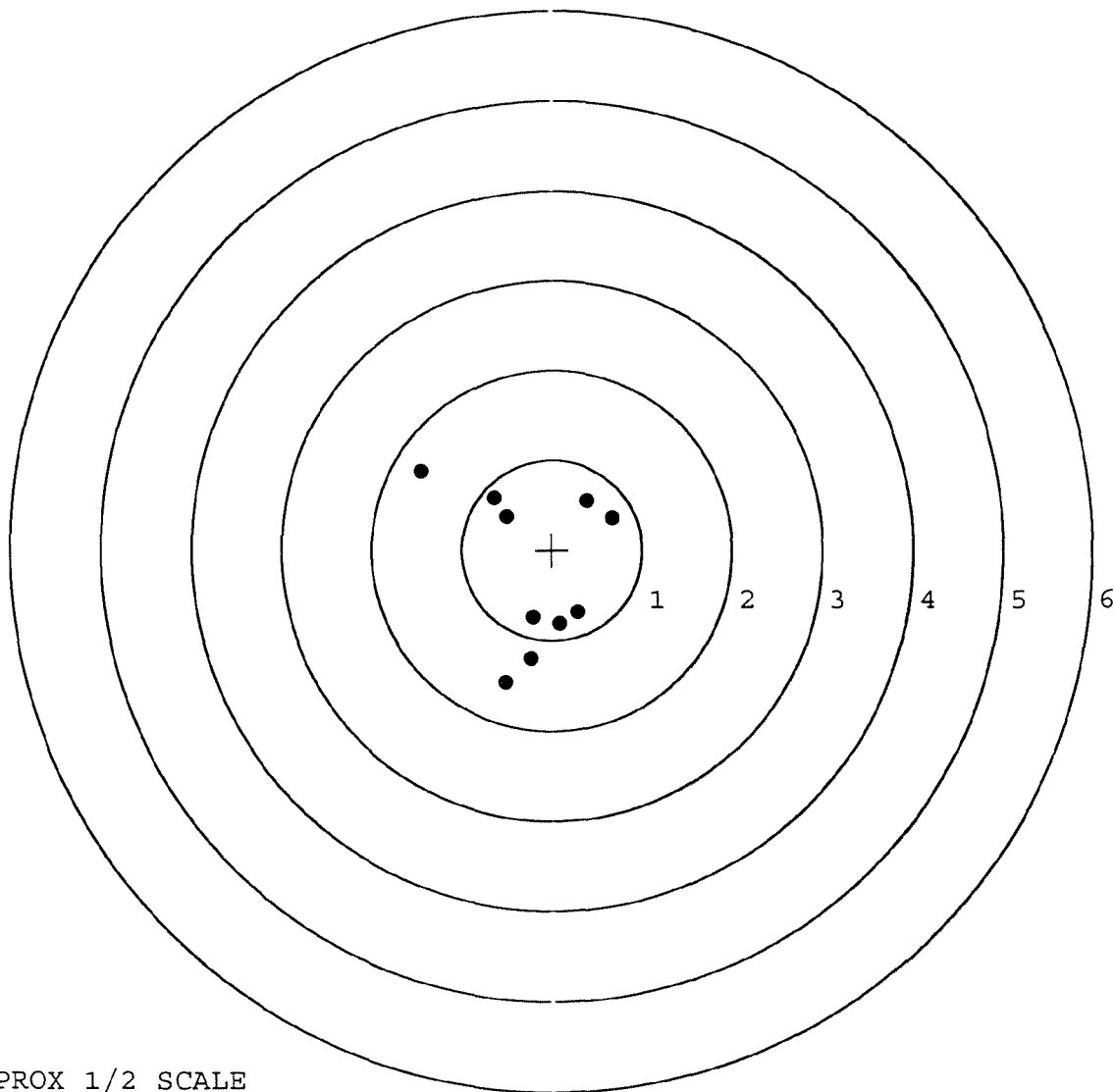
MAX RADIUS: 1.651

MEAN RADIUS: 0.942

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349072. __0

TARGET NUMBER: 3

FILE DATE: 10/07/2008

FILE TIME: 16:02

POINT#	X	Y
1:	-0.070	-0.859
2:	0.162	0.850
3:	-1.255	0.385
4:	-0.962	0.359
5:	-0.687	-0.411
6:	-0.632	-0.565
7:	1.274	-0.106
8:	0.569	-0.469
9:	-0.186	0.159
10:	0.034	0.128

X CENTROID: -0.175

Y CENTROID: -0.053

POA TO CENTROID: 0.183

HORZ SPREAD: 2.529

VERT SPREAD: 1.709

GROUP SPREAD: 2.576

MIN RADIUS: 0.212

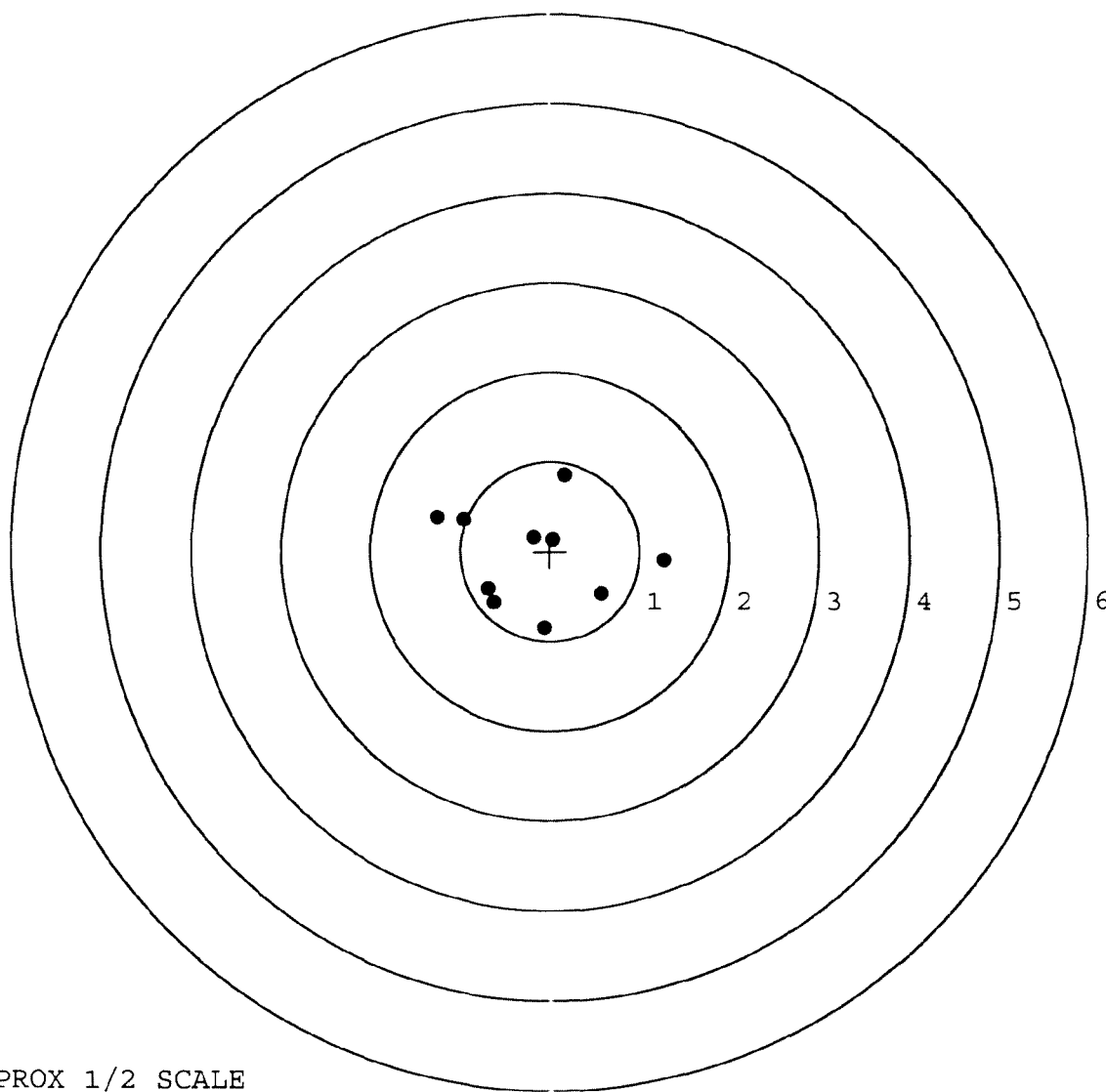
MAX RADIUS: 1.450

MEAN RADIUS: 0.793

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349072. 0

TARGET NUMBER: 4

FILE DATE: 10/07/2008

FILE TIME: 16:02

POINT#	X	Y
1:	0.181	-1.538
2:	-0.066	0.845
3:	-0.041	0.602
4:	-0.079	0.460
5:	-0.724	0.201
6:	0.460	0.196
7:	-0.492	0.042
8:	0.239	0.154
9:	-0.208	0.255
10:	-0.221	-0.248

X CENTROID: -0.095

Y CENTROID: 0.097

POA TO CENTROID: 0.136

HORZ SPREAD: 1.184

VERT SPREAD: 2.383

GROUP SPREAD: 2.396

MIN RADIUS: 0.194

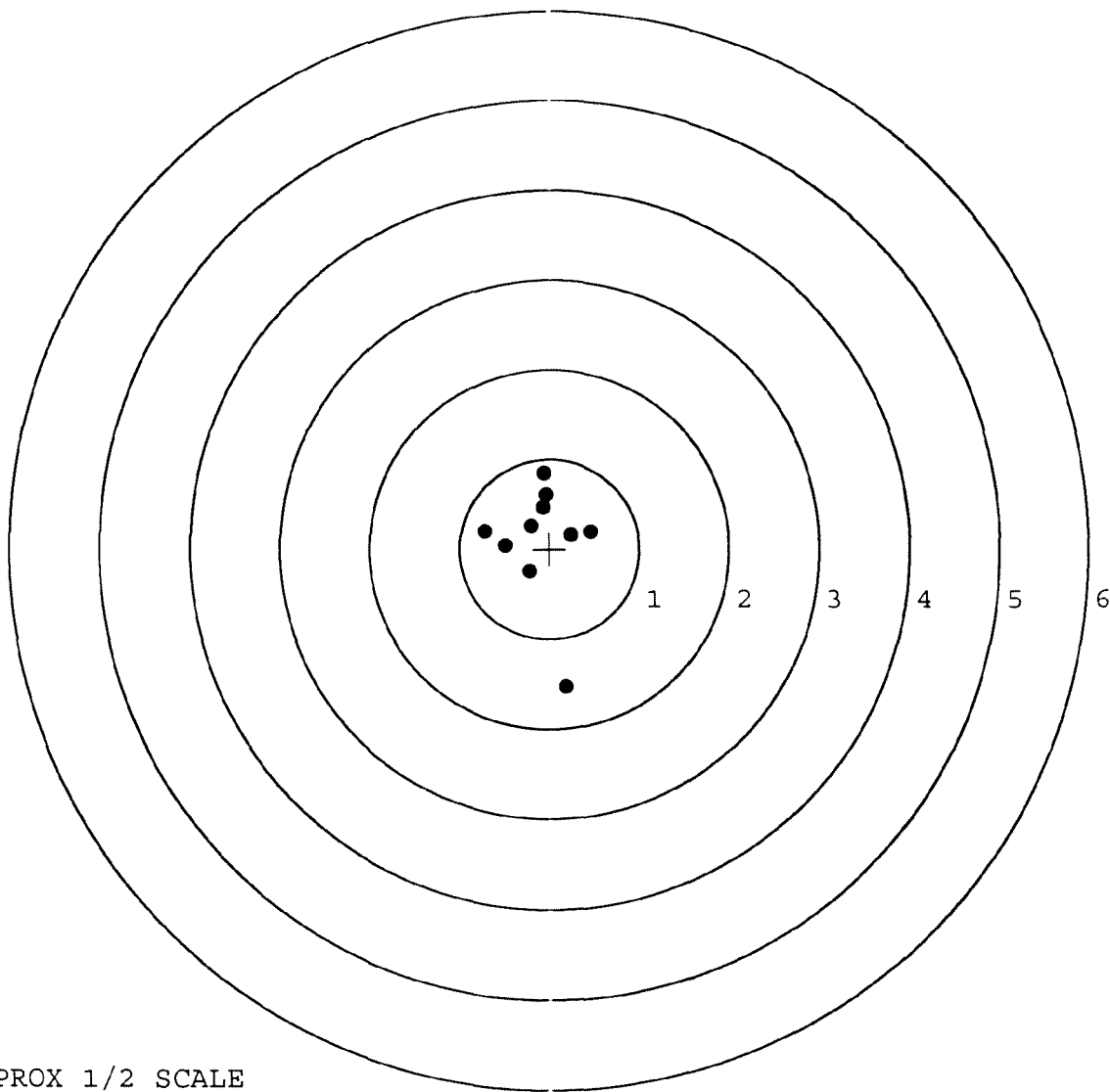
MAX RADIUS: 1.658

MEAN RADIUS: 0.578

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349072.___0

TARGET NUMBER: 5

FILE DATE: 10/07/2008

FILE TIME: 16:02

POINT#	X	Y
1:	-1.200	0.597
2:	-0.888	0.191
3:	0.192	0.580
4:	0.444	0.382
5:	-0.403	0.208
6:	-0.399	0.018
7:	-0.268	-0.172
8:	0.106	-0.707
9:	0.555	-0.462
10:	0.887	-0.624

X CENTROID: -0.097

Y CENTROID: 0.001

POA TO CENTROID: 0.097

HORZ SPREAD: 2.087

VERT SPREAD: 1.304

GROUP SPREAD: 2.418

MIN RADIUS: 0.243

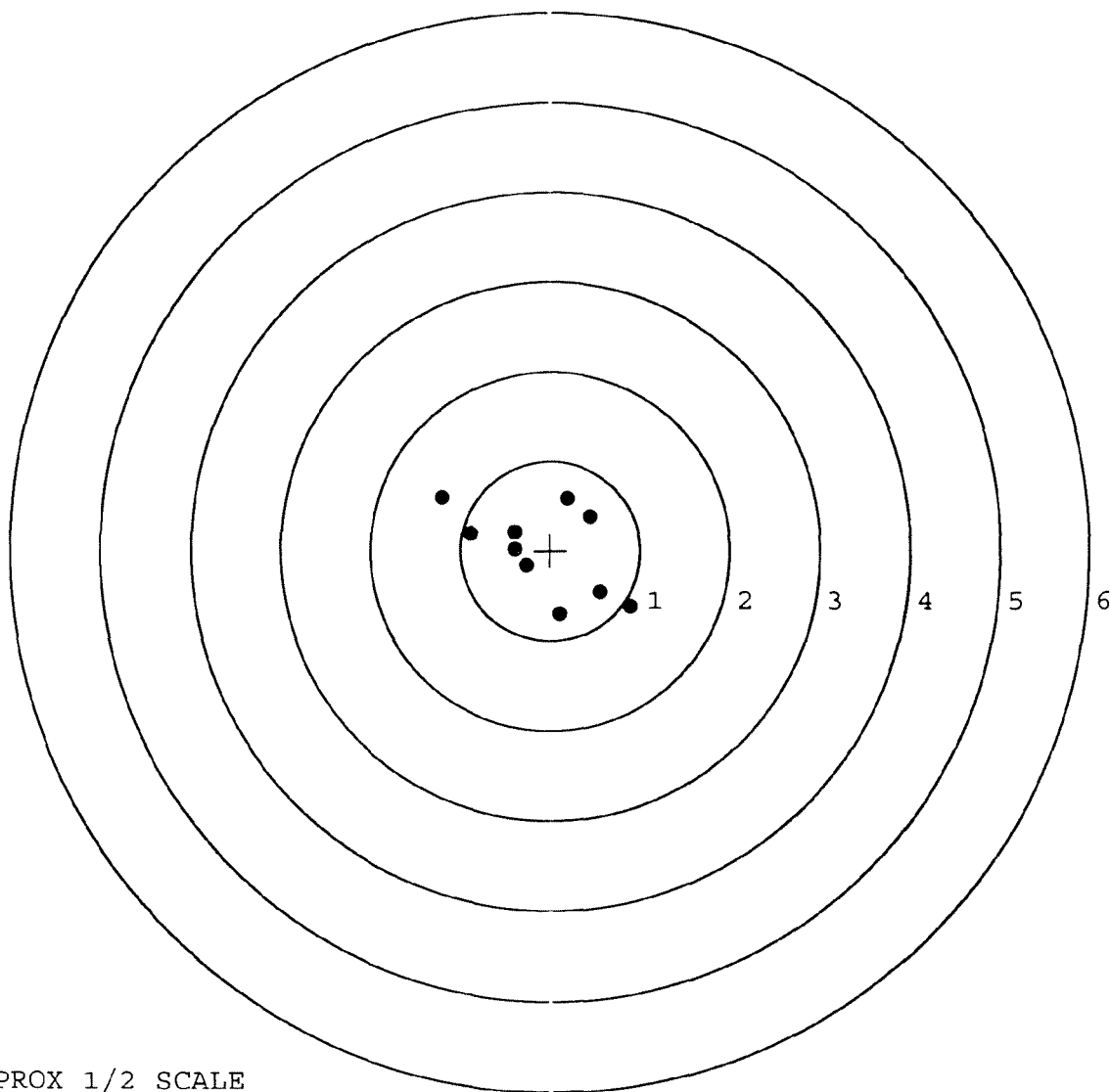
MAX RADIUS: 1.253

MEAN RADIUS: 0.699

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0146

SERIAL #: 151201
 PART #: C6349072
 DATE: 9-16-08

OPERATION #	OPERATION NAME	DATE	INITIALS
590	DIS-ASSEMBLE GUN	9-18-08	RTZ
595	RE-BARREL	9-22-08	RTZ
600	ASSEMBLE	9-22-08	RTZ
600	PROOF	9-22-08	SPD
605	CHECK HEADSPACE	9-22-08	SPD
610	DIS-ASSEMBLE GUN	9-22-08	SPD
612	MAGNAFLUX	9-30-08	RTZ
610	DRILL AND TAP	9-23-08	SP
615	ROLLMARK CALIBER	9-30-08	RT
618	ROTO-BLAST		
620	APPLY COATINGS	10-1	
625	FINAL ASSEMBLY	10-2-08	RTZ
640	FUNCTION TEST AND	10-8-08	SPD
650	TARGET	10-7-08	SPD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	10-7-08	TL
	A) HEADSPACE	10-22-08	SPD
		10-22-08	SPD
		3.02 3.00 3.05 3.06 3.09	10-13-08 TL
		4.0 4.0 4.0	10-22-08 SPD
		4.0 4.0 4.0	10-22-08 SPD
		.023 .023 .022	10-22-08 SPD
690	PACK	10/3/08	FM

MAGNA - FLUX
 OCT 2008
 OPERATOR: RTZ

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: RE00115161

Serial: C6349071 Model M24 SWS Center Fire
Caliber: 308 Produced: 06/19/1990

Repairman:

Verify Repair

Status:

Closed 7/31/2006 2:04:30 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: USPFO FOR COLORADO

USPFO FOR COLORADO

Address 1: 1181 KILMER STREET

1181 KILMER STREET

Address 2: PD Box:

PD Box:

City: GOLDEN

GOLDEN

State: CO Zip Code: 80401

Country: US

State: CO Zip Code: 80401

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
B000	FRONT AND REAR E	1

Repair Search

Refresh

Close

nagletj

8/1/2006

7:31 AM

CAPS

NUM

INS

SCRL

start

2 Micros...

Part Search...

5 Intern...

RAC0179...

Arms Servi...

Arms Servi...

Arms Servi...

Serial Number:

C6349071

Model: M24 SWS



RE00115161

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349071.___0
FILE DATE AND TIME: 08/15/2006 21:12

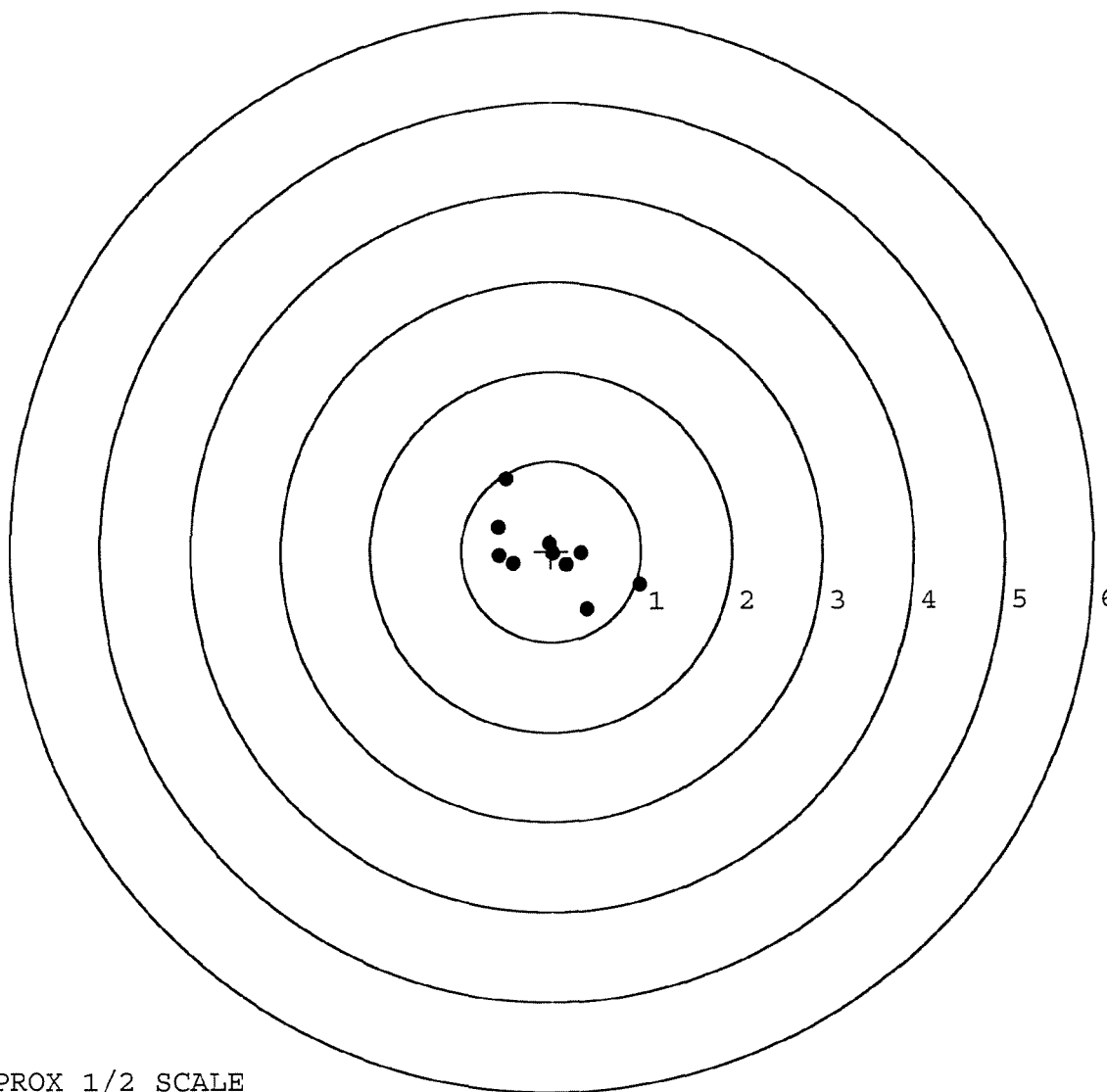
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.086
The Average Y Centroid of the Five Target Set:	0.024
The Average Point of Impact of the Five Target Set:	0.090
The Average Mean Radius of the Five Target Set:	0.610
The Distance from POA to Centroid Target #1:	0.033
The Distance from Centroid Target #2 to Centroid Target #1:	0.152
The Distance from Centroid Target #3 to Centroid Target #1:	0.120
The Distance from Centroid Target #4 to Centroid Target #1:	0.123
The Distance from Centroid Target #5 to Centroid Target #1:	0.277

SERIAL NUMBER: C6349071. __0
TARGET NUMBER: 1
FILE DATE: 08/15/2006
FILE TIME: 21:12

X CENTROID: -0.021
Y CENTROID: -0.025
POA TO CENTROID: 0.033
HORZ SPREAD: 1.578
VERT SPREAD: 1.459
GROUP SPREAD: 1.908
MIN RADIUS: 0.044
MAX RADIUS: 1.067
MEAN RADIUS: 0.514
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.505	0.813
2:	-0.592	0.269
3:	-0.576	-0.047
4:	-0.425	-0.137
5:	0.986	-0.378
6:	0.399	-0.646
7:	0.339	-0.026
8:	0.169	-0.156
9:	0.023	-0.027
10:	-0.026	0.083



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349071. __0

TARGET NUMBER: 2

FILE DATE: 08/15/2006

FILE TIME: 21:12

POINT#	X	Y
1:	-0.917	0.801
2:	-0.215	0.491
3:	0.072	0.232
4:	0.761	0.430
5:	0.747	0.198
6:	1.006	0.067
7:	0.243	-0.389
8:	0.166	-0.500
9:	-0.325	-0.389
10:	-0.367	-0.564

X CENTROID: 0.117

Y CENTROID: 0.038

POA TO CENTROID: 0.123

HORZ SPREAD: 1.923

VERT SPREAD: 1.365

GROUP SPREAD: 2.058

MIN RADIUS: 0.199

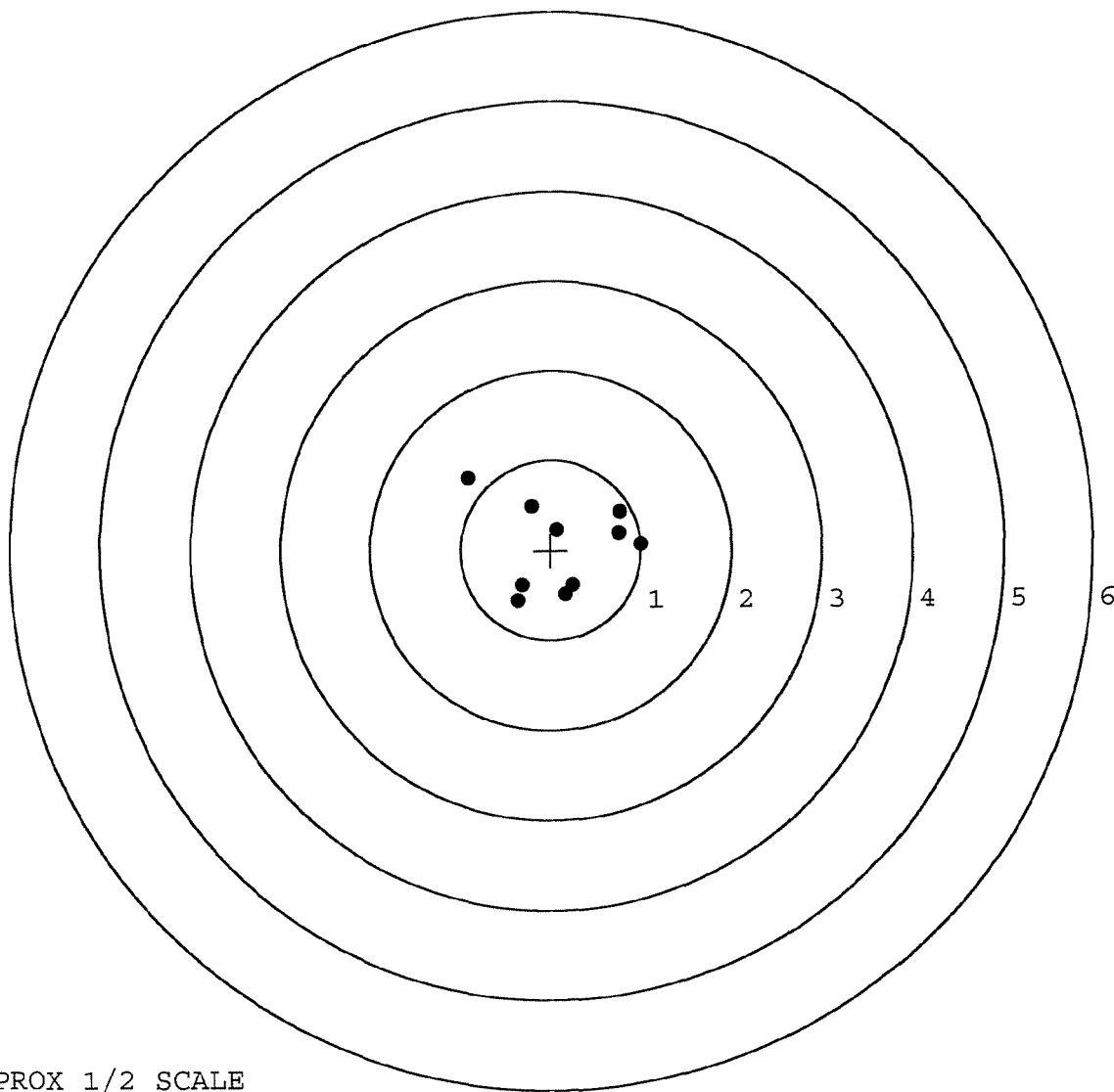
MAX RADIUS: 1.285

MEAN RADIUS: 0.671

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349071. __0

TARGET NUMBER: 3

FILE DATE: 08/15/2006

FILE TIME: 21:12

POINT#	X	Y
1:	-0.288	0.949
2:	-0.559	0.323
3:	-0.287	0.016
4:	-1.382	-0.417
5:	0.783	0.262
6:	0.694	0.033
7:	0.206	-0.008
8:	0.370	-0.167
9:	0.567	-0.667
10:	0.678	0.104

X CENTROID: 0.078

Y CENTROID: 0.043

POA TO CENTROID: 0.089

HORZ SPREAD: 2.165

VERT SPREAD: 1.616

GROUP SPREAD: 2.269

MIN RADIUS: 0.138

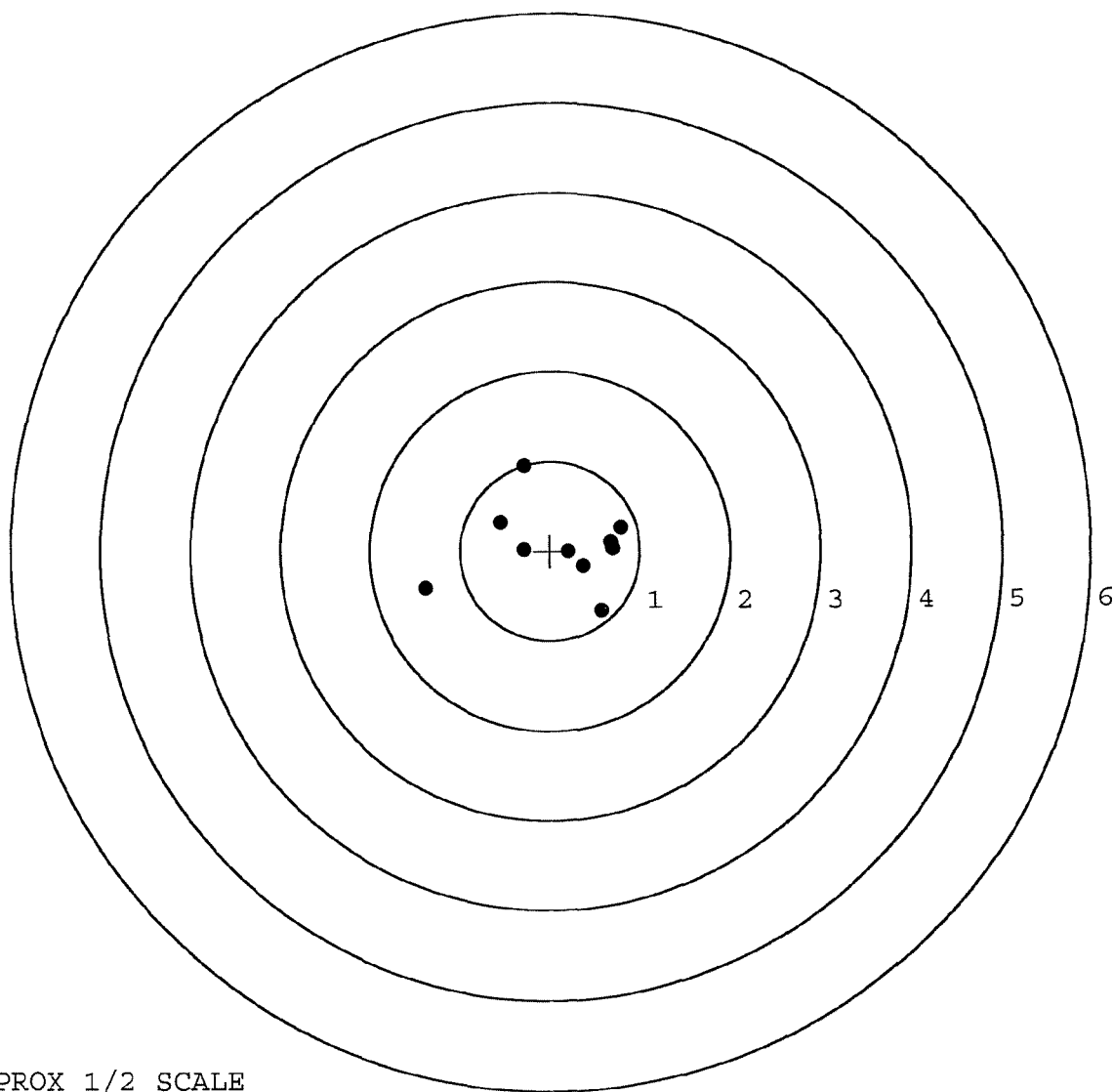
MAX RADIUS: 1.531

MEAN RADIUS: 0.689

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

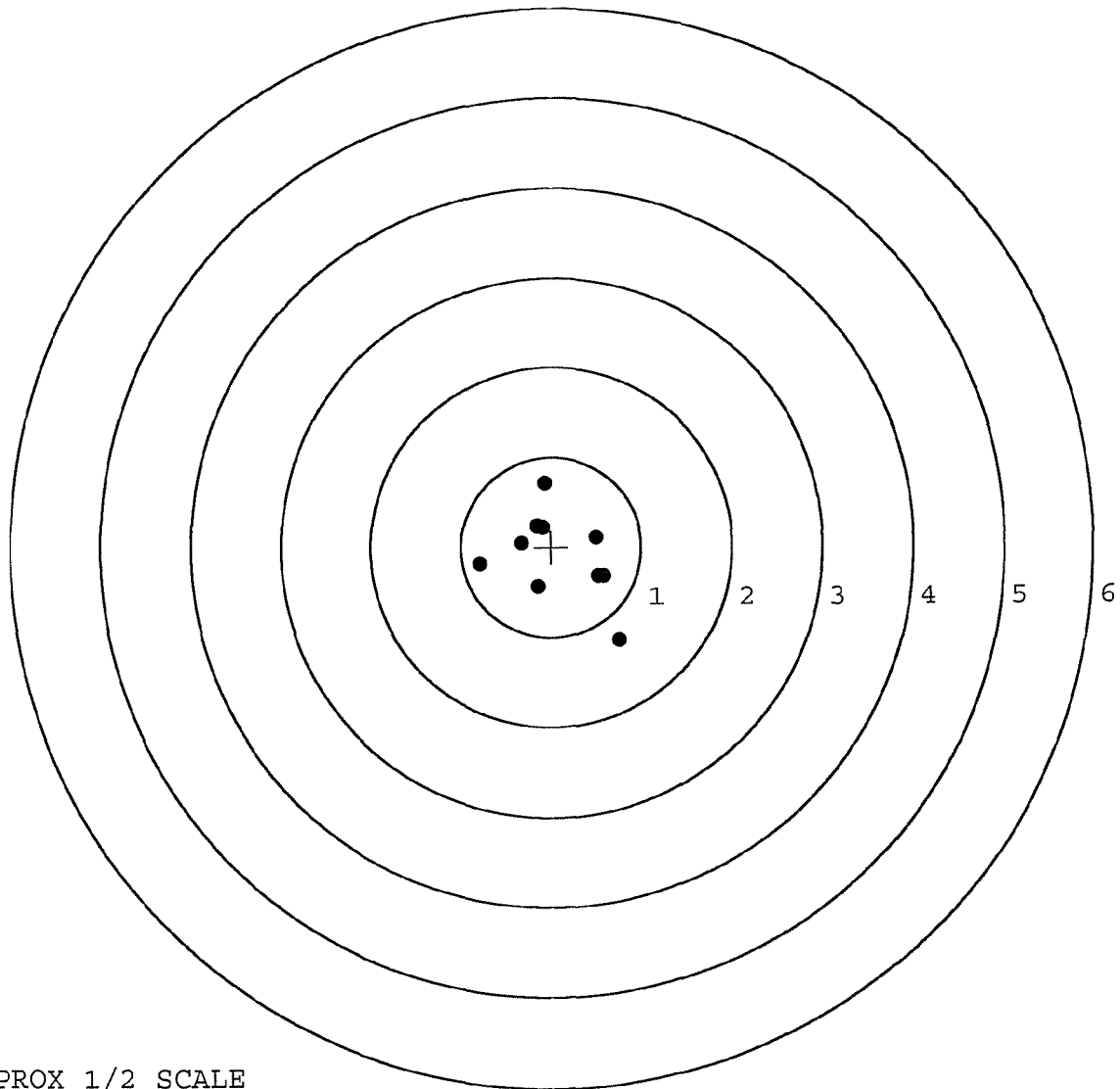


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349071. __0
TARGET NUMBER: 4
FILE DATE: 08/15/2006
FILE TIME: 21:12

X CENTROID: 0.077
Y CENTROID: -0.100
POA TO CENTROID: 0.126
HORZ SPREAD: 1.547
VERT SPREAD: 1.748
GROUP SPREAD: 1.937
MIN RADIUS: 0.360
MAX RADIUS: 1.155
MEAN RADIUS: 0.600
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.079	0.713
2:	-0.155	0.240
3:	-0.327	0.042
4:	-0.792	-0.186
5:	-0.147	-0.444
6:	0.503	0.110
7:	0.526	-0.326
8:	0.755	-1.035
9:	0.585	-0.326
10:	-0.097	0.215

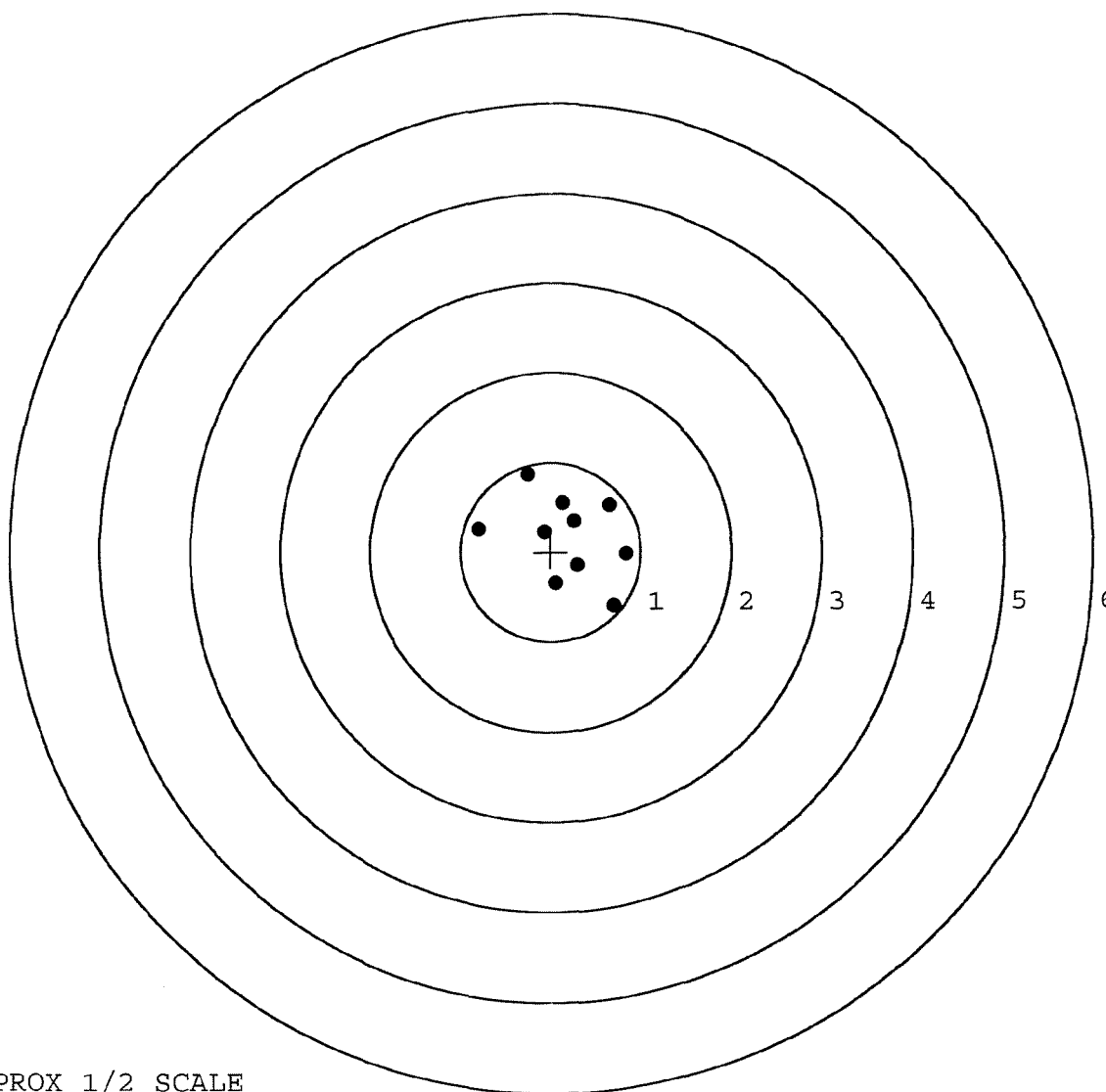


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349071.___0
TARGET NUMBER: 5
FILE DATE: 08/15/2006
FILE TIME: 21:12

X CENTROID: 0.180
Y CENTROID: 0.165
POA TO CENTROID: 0.244
HORZ SPREAD: 1.642
VERT SPREAD: 1.473
GROUP SPREAD: 1.732
MIN RADIUS: 0.195
MAX RADIUS: 0.987
MEAN RADIUS: 0.574
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.802	0.265
2:	-0.257	0.872
3:	0.840	-0.023
4:	0.698	-0.601
5:	0.059	-0.357
6:	0.295	-0.151
7:	0.651	0.531
8:	-0.073	0.226
9:	0.257	0.345
10:	0.131	0.547



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	115161		
SERIAL NUMBER	C6349021		
LOG-IN DATE	7-31-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-7-06	RTZ
505	RE-BARREL	8-8-06	RTZ
420	ASSEMBLE	8-8-06	RTZ
440	PROOF	8-9-06	BLG
460	CHECK HEADSPACE	8-9-06	BLG
470	DIS-ASSEMBLE GUN	8-9-06	BLG
480	MAGNAFLUX	8-11-06	APD
510	DRILL AND TAP	8-10-06	TRW
500	ROLLMARK CALIBER	8-11-06	CW
520	GOFF BLAST BBL / REC	8-11-06	CB
530 & 540	APPLY COATINGS	8/13/06	BB
560	FINAL ASSEMBLY	8-15-06	RTZ
640	FUNCTION TEST AND	PASS FAIL 8-15-06	L.P.D.
650	TARGET	PASS FAIL 8-15-06	L.P.D.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	8-17-06	MTM
	A) HEADSPACE	PASS FAIL 8-17-06	MTM
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 2.88 2.80 2.76 2.70 2.71 8-16-06 RA	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 4.5 4.0 4.0 8-16-06 RA	
	G) SAFETY OFF FORCE	2 LBS MIN 2.5 2.5 2.5 8-16-06 RA	
	I) FIRING PIN INDENT	.020 .023 .023 .023 8-16-06 RA	
690	PACK	9-22-06	RA

F006 REV 5/2006

FINAL INSPECTION CHECKLIST

BARREL ASSEMBLY _____ BARREL _____ RECEIVER _____ FRONT SIGHT BASE _____ REAR SIGHT BASE _____ SCREWS _____ FINISH	STOCK ASSEMBLY _____ STOCK _____ SLING SWIVEL STUDS _____ BUTT PATE _____ LOCK NUTS _____ BARREL CLEARANCE _____ COLOR / FINISH
SCOPE ASSEMBLY _____ SCOPE _____ SCOPE RINGS _____ MOUNTING SCREWS _____ MOUNTING BASE _____ SCREWS _____ FINISH _____ CLARITY	SYSTEM CASE _____ SCOPE CASE _____ IRON SIGHTS _____ DEPLOYMENT KIT TRIGGER ASSEMBLY _____ SAFETY OPERATION _____ RE-SET TO FACTORY SPECS
COMMENTS: _____	

F006 REV 5/2006

Remington®



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

MODEL 700™ H24

SERIAL NO.

C6349071

ORDER NO.

5716

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

01



5716 C6349071

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349071

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 30	90	RW
600	Proof	1 30	90	A
607	Check Headspace	1 30	90	A
610	Dis-assemble Gun	1 30	90	RW
612	Magnaflux Barrel Action	2-5-90		KCR
	Magnaflux Bolt	2-5-90		
615	Rollmark Caliber	2-5-90		JS
617	Drill and Tap Sight Holes	2-5-90		FB
618	Polish Barrel RB	2-5-90		WB
620	Apply Coatings (Barrel Action)		2-17-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/19/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/19/90	WB
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/23/90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			4/23/90	RL
	G) Safety Off Force	2	2	2			4/23/90	RL
	H) Trigger Pull Test & Retainability						4/23/90	RL
	I) Firing Pin Indent	.0215	.021	.021			4/23/90	RL
	J) Assemble Stock						4/23/90	RL
	K) Assemble Swivel Studs						5/10/90	WB
	L) Attach Front and Rear Sight Assemblies						4/23/90	RL
	M) Iron Sight Alignment						4/23/90	RL
	N) Detach Front & Rear Sights & place in numbered container						4/23/90	RL
	O) Attach Scope to Rifle						4/23/90	WB
	P) Detach & Attach Scope 20 Times						4/23/90	WB
640	Gallery Target & Test						4-23-90	AC
	A) Time						4-23-90	AC
	B) Malfunctions						4-23-90	AC
	C) Pierced Primers						4-23-90	AC
	D) Optical Clarity of Scope						4-23-90	AC
645	Inspect for Live Ammo						4-23-90	AC
655	Final Inspection						5/10/90	WB
	A) Headspace							
	B) Trigger Pull	235	231	229	236	229	5/10/90	WB
	C) Function						5/10/90	WB
660	Pack						6-19-90	D/H

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349071

DATE 4/23/90

TESTER gll

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.49	2.21	2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.53	2.33	2.31	
PULL #3	2.47	2.53	2.11	2.27	
PULL #4	2.51	2.46	2.23	2.36	
PULL #5	2.51	2.45	2.41	2.29	
TOTAL	12.43	12.46	11.29		
AVG.	2.486	2.492	2.258		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.29		
PULL #2	3.28	3.11		
PULL #3	3.14	3.22		
PULL #4	3.16	3.21		
PULL #5	3.20	3.31		
TOTAL	16.03	16.14		
AVG.	3.206	3.228		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.40	4.30		4.28
PULL #2	4.23	4.33		4.28
PULL #3	4.34	4.20		4.05
PULL #4	4.28	4.34		4.35
PULL #5	4.35	4.40		4.14
TOTAL	21.60	21.57		21.10
AVG.	4.32	4.314		4.22

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349071
23 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.261123
1 TO	2	.191086
1 TO	3	.112579
1 TO	4	.191042
1 TO	5	.468309

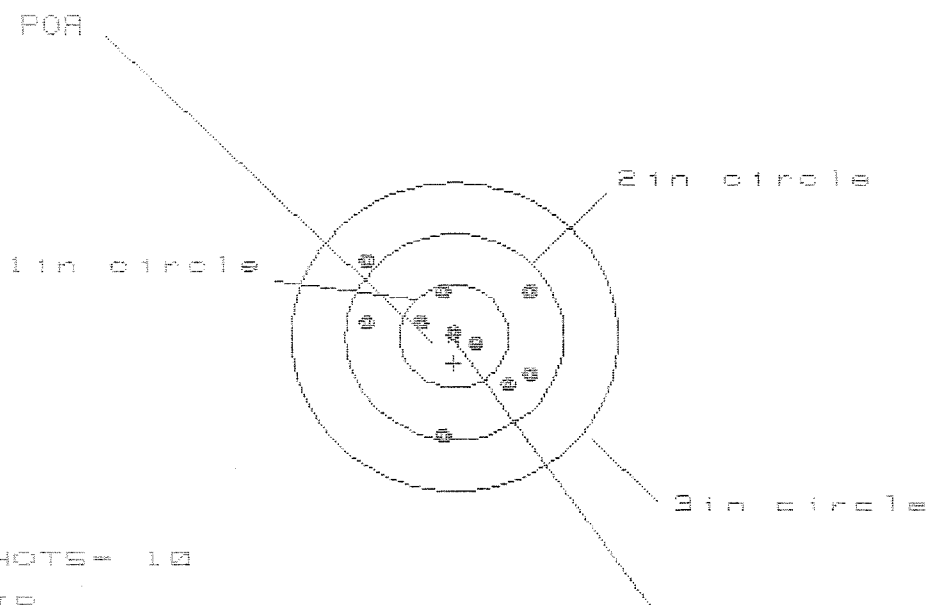
54 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1818
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2528
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .311383
THE AMR FOR THIS RIFLE IS: .7476

23 Apr 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6349071

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.550

VS= 1.631

GS= 1.838

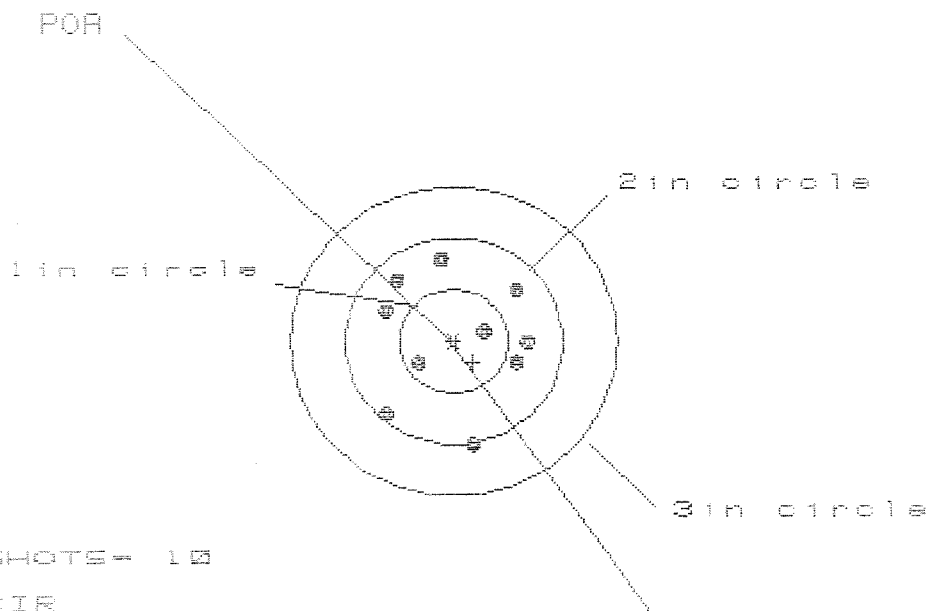
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.726	.636	.612
MINIMUM X	:	-.824	-.914	-.938
MAXIMUM Y	:	.694	.542	.434
MINIMUM Y	:	-.937	-.860	-.491
CENTROID X	:	.000	.098	.122
CENTROID Y	:	.261	.184	.291
POA TO CENTROID in.	:	.261	.200	.316
MIN RADIUS	:	.058	.129	.099
MEAN RADIUS	:	.622	.570	.517
MAX RADIUS	:	1.061	.929	.939
HORIZONTAL SPREAD	:	1.550	1.550	1.550
VERTICAL SPREAD	:	1.631	1.402	.926
EXTREME SPREAD	:	1.838	1.605	1.605
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

23 Apr 1988

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 9

3in = 10

HSI = 1.307

VS = 1.852

GS = 1.875

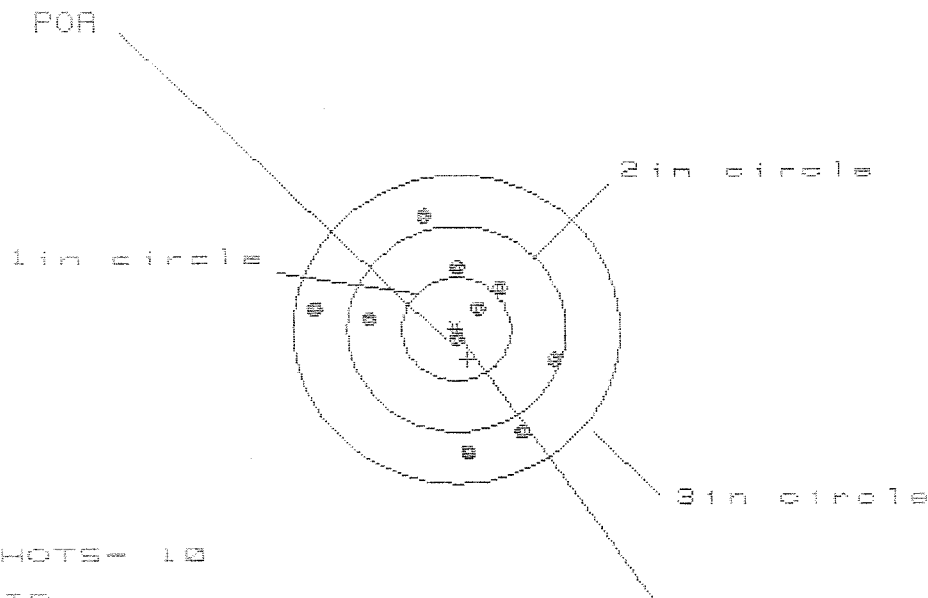
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.663	.682	.604
MINIMUM X	:	-.644	-.625	-.667
MAXIMUM Y	:	.824	.710	.602
MINIMUM Y	:	-1.028	-.865	-.442
CENTROID X	:	-.175	-.194	-.116
CENTROID Y	:	.206	.320	.428
POA TO CENTROID in.	:	.270	.374	.443
MIN RADIUS	:	.303	.312	.271
MEAN RADIUS	:	.699	.653	.589
MAX RADIUS	:	1.042	1.067	.690
HORIZONTAL SPREAD	:	1.307	1.307	1.271
VERTICAL SPREAD	:	1.852	1.575	1.044
EXTREME SPREAD	:	1.875	1.718	1.344
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

23 Apr 1998

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.147

VS= 2.310

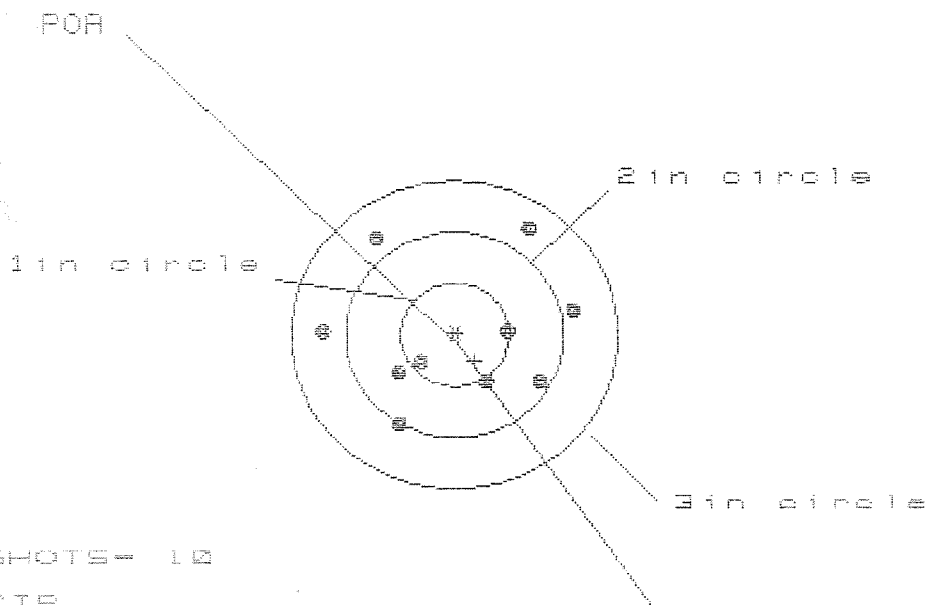
GS= 2.346

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.891	.752	.745
MINIMUM X	:	-1.256	-.905	-.912
MAXIMUM Y	:	1.083	1.104	.954
MINIMUM Y	:	-1.227	-1.206	-1.085
CENTROID X	:	-.099	.040	.047
CENTROID Y	:	.296	.275	.425
POA TO CENTROID in.	:	.312	.278	.428
MIN RADIUS	:	.073	.096	.099
MEAN RADIUS	:	.804	.738	.652
MAX RADIUS	:	1.270	1.207	1.180
HORIZONTAL SPREAD	:	2.147	1.657	1.657
VERTICAL SPREAD	:	2.310	2.310	2.039
EXTREME SPREAD	:	2.346	2.346	2.241
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

23 Apr 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08349071

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.297

VS= 1.910

GS= 2.307

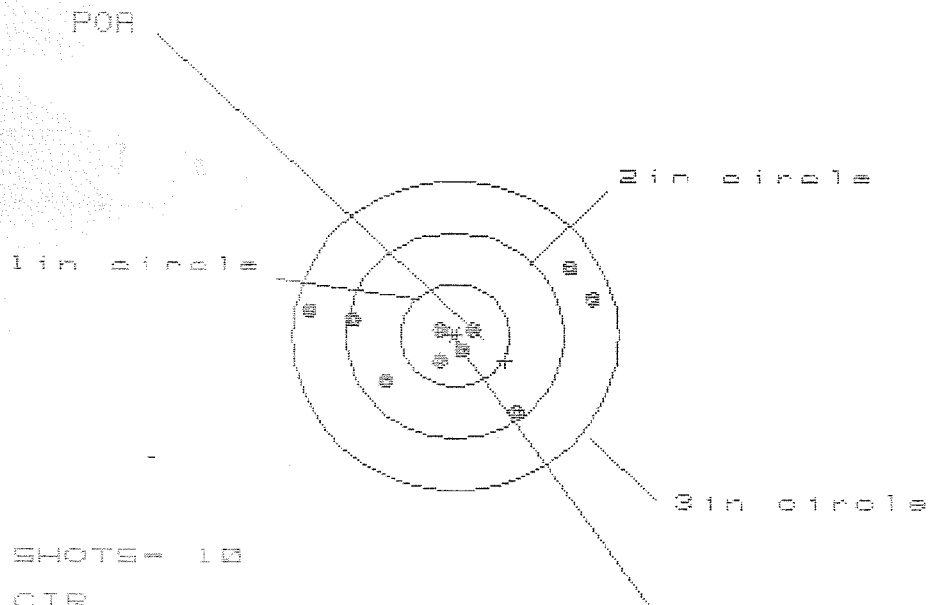
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.120	1.194	1.108
MINIMUM X	-1.177	-1.103	-1.189
MAXIMUM Y	1.085	1.072	.510
MINIMUM Y	-.825	-.705	-.571
CENTROID X	-.103	-.257	-.171
CENTROID Y	.257	.137	.003
POA TO CENTROID in.	.316	.291	.171
MIN RADIUS	.400	.262	.282
MEAN RADIUS	.873	.801	.717
MAX RADIUS	1.273	1.274	1.226
HORIZONTAL SPREAD	2.297	2.297	2.297
VERTICAL SPREAD	1.910	1.777	1.081
EXTREME SPREAD	2.307	2.307	2.307
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

23 Apr 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06345071

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS = 2.632

VS = 1.382

GS = 2.635

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.281	1.131	1.093
MINIMUM X	:	-1.351	-1.104	-.962
MAXIMUM Y	:	.683	.711	.764
MINIMUM Y	:	-.709	-.681	-.628
CENTROID X	:	-.460	-.310	-.452
CENTROID Y	:	.244	.216	.163
POR TO CENTROID in.	:	.521	.378	.481
MIN RADIUS	:	.099	.058	.108
MEAN RADIUS	:	.740	.675	.573
MAX RADIUS	:	1.375	1.206	1.333
HORIZONTAL SPREAD	:	2.632	2.235	2.055
VERTICAL SPREAD	:	1.392	1.392	1.392
EXTREME SPREAD	:	2.635	2.243	2.112
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	