

G-6461718
Replaced
C-6225290

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: RE00151964

Serial: G6461718 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status: Closed 9/26/2008 9:50:24 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: DEF DIST DEPOT ANNISTON AL

DEF DIST DEPOT ANNISTON AL

Address 1: 7 FRANKFORD AVE BLDG 362

7 FRANKFORD AVE BLDG 362

Address 2: PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 36201-4199

Country: US

State: AL

Zip Code: 36201-4199

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	2
A008	With Swivel	1
A010	Hard Case	1
A017	Scope Base	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1
D000	IRON SIGHTS	1

Repair Search

Refresh

Close

nagletj

9/29/2008

2:38 PM

CAPS

NUM

INS

SCRL

Serial Number: **G6461718**Model **M24 SWS****RE00151964**

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER <u>151964</u>				
SERIAL NUMBER <u>6604601718</u>				
LOG-IN DATE <u>9-26-08</u>				
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		3-25-09	RTZ
505	RE-BARREL		3-27-09	RTZ
420	ASSEMBLE		3-27-09	RTZ
440	PROOF	MAGNA - FLUX	3-27-09	TC
460	CHECK HEADSPACE		3-27-09	TC
470	DIS-ASSEMBLE GUN			
480	MAGNAFLUX	OPERATOR <u>(Signature)</u>	4/2/09	(Signature)
510	DRILL AND TAP		3-28-09	SP
500	ROLLMARK CALIBER		4/2/09	
520	GOFF BLAST BBL / REC		4-2	RD
530 & 540	APPLY COATINGS		4-3	
560	FINAL ASSEMBLY		4-9-09	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	4-14-09	RP
650	TARGET	(PASS) FAIL	4-9-09	RP
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	4-9-09	(Signature)
670	FINAL INSPECTION			
	A) HEADSPACE	(PASS) FAIL	4-15-09	WN
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.71 2.64 2.61 2.62 2.62 4-13-09	WN
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5 5 5 4-15-09	
	G) SAFETY OFF FORCE	2 LBS MIN	3 3 3 4-15-09	
	I) FIRING PIN INDENT	.020	.023 .023 .023 4-14-09	WN
690	PACK		6/2/09	FM

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6461718.___0

FILE DATE AND TIME: 04/13/2009 05:32

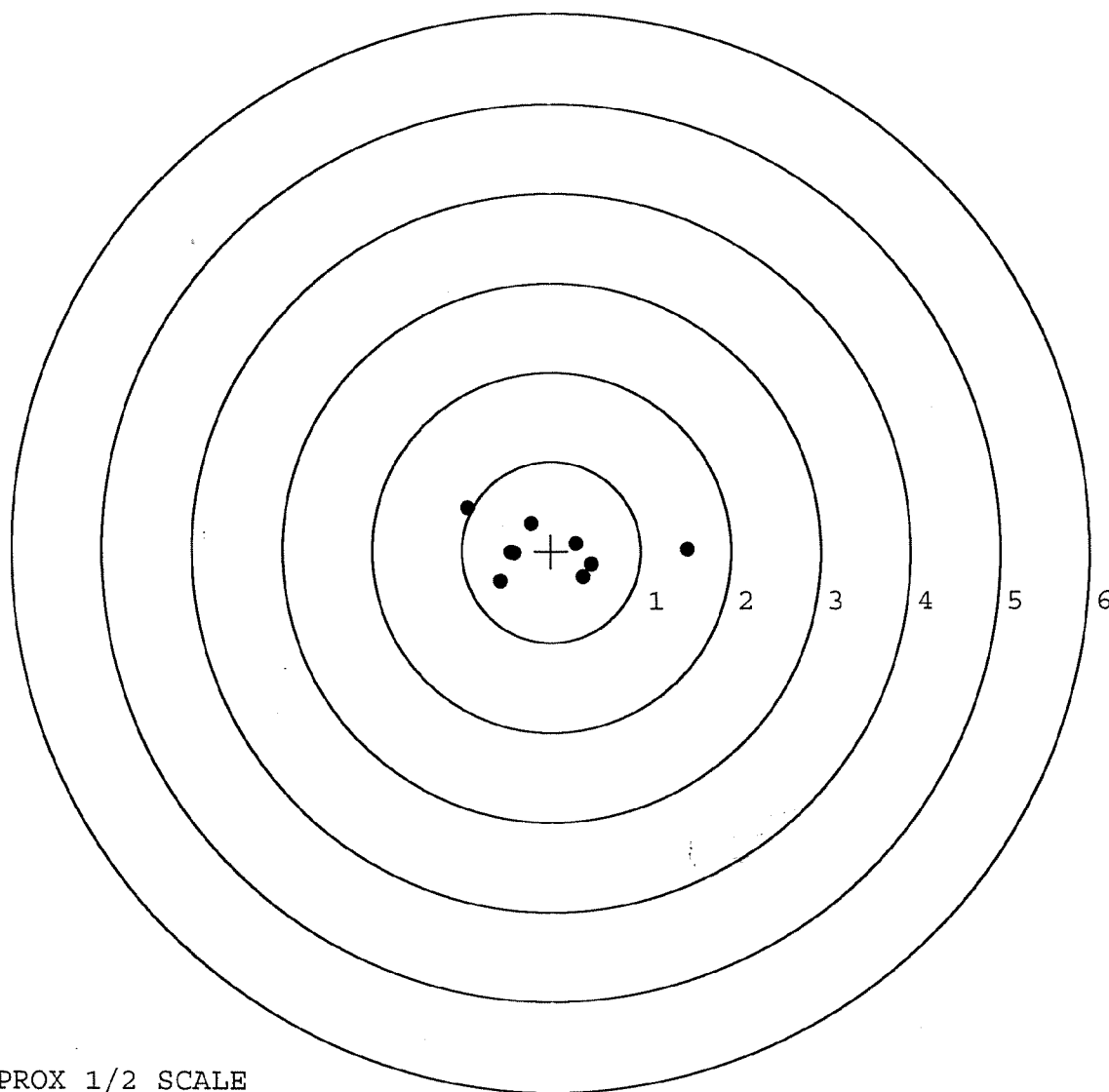
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.044
The Average Y Centroid of the Five Target Set:	-0.016
The Average Point of Impact of the Five Target Set:	0.046
The Average Mean Radius of the Five Target Set:	0.613
The Distance from POA to Centroid Target #1:	0.008
The Distance from Centroid Target #2 to Centroid Target #1:	0.059
The Distance from Centroid Target #3 to Centroid Target #1:	0.026
The Distance from Centroid Target #4 to Centroid Target #1:	0.038
The Distance from Centroid Target #5 to Centroid Target #1:	0.206

SERIAL NUMBER: C6461718. __0
TARGET NUMBER: 1
FILE DATE: 04/13/2009
FILE TIME: 05:32

POINT#	X	Y
1:	-0.419	-0.026
2:	-0.571	-0.339
3:	-0.450	-0.015
4:	-0.221	0.308
5:	0.356	-0.289
6:	0.451	-0.152
7:	0.280	0.086
8:	-0.935	0.483
9:	1.516	0.016

X CENTROID: 0.001
Y CENTROID: 0.008
POA TO CENTROID: 0.008
HORZ SPREAD: 2.451
VERT SPREAD: 0.822
GROUP SPREAD: 2.495
MIN RADIUS: 0.290
MAX RADIUS: 1.515
MEAN RADIUS: 0.634
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6461718. __0

TARGET NUMBER: 2

FILE DATE: 04/13/2009

FILE TIME: 05:32

POINT#	X	Y
1:	0.070	0.129
2:	-0.331	0.361
3:	0.378	0.576
4:	0.482	0.762
5:	0.077	0.980
6:	0.009	-0.248
7:	-0.773	-0.394
8:	-0.002	-0.988
9:	0.613	-0.782
10:	0.002	-0.032

X CENTROID: 0.053

Y CENTROID: 0.036

POA TO CENTROID: 0.064

HORZ SPREAD: 1.386

VERT SPREAD: 1.968

GROUP SPREAD: 1.970

MIN RADIUS: 0.085

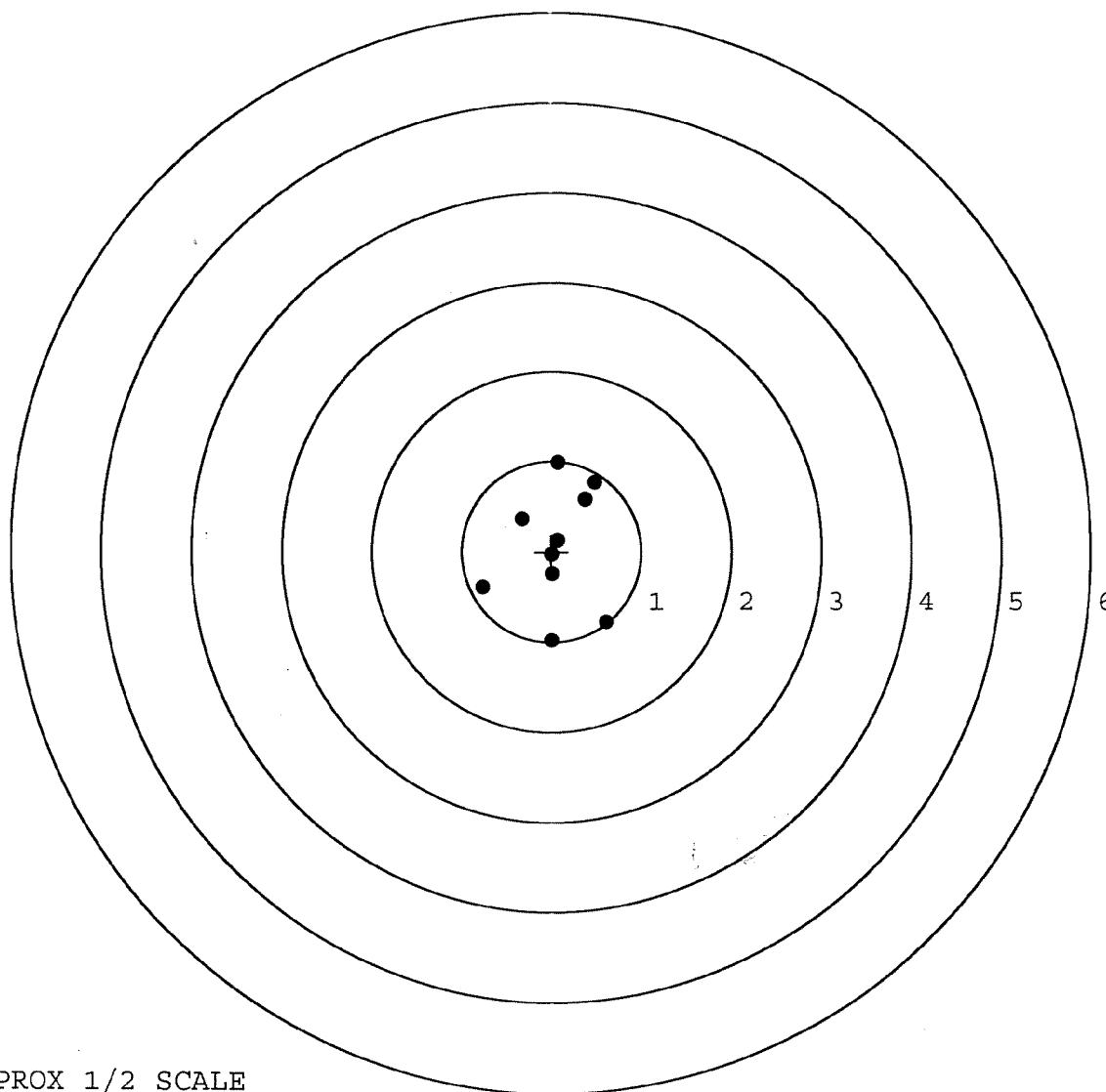
MAX RADIUS: 1.026

MEAN RADIUS: 0.634

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6461718. 0

TARGET NUMBER: 3

FILE DATE: 04/13/2009

FILE TIME: 05:32

POINT#	X	Y
1:	-1.542	-0.029
2:	-0.580	-0.549
3:	-0.207	-0.769
4:	0.276	-0.519
5:	-0.016	-0.024
6:	0.250	0.133
7:	0.668	-0.058
8:	0.551	0.586
9:	0.418	0.809
10:	-0.052	0.602

X CENTROID: -0.023

Y CENTROID: 0.018

POA TO CENTROID: 0.030

HORZ SPREAD: 2.210

VERT SPREAD: 1.578

GROUP SPREAD: 2.210

MIN RADIUS: 0.043

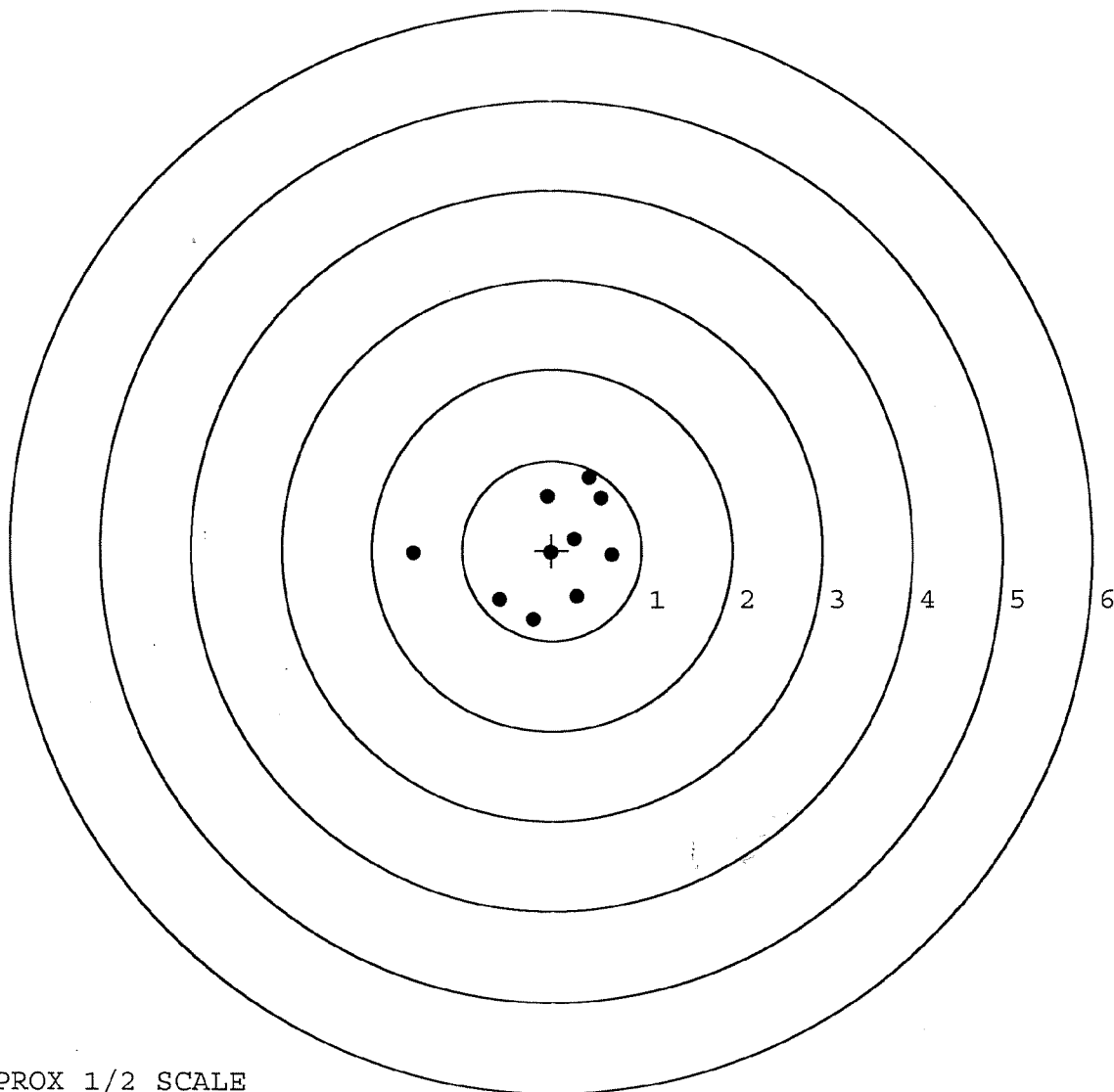
MAX RADIUS: 1.519

MEAN RADIUS: 0.707

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6461718. __0

TARGET NUMBER: 4

FILE DATE: 04/13/2009

FILE TIME: 05:32

POINT#	X	Y
1:	-0.302	-1.034
2:	-0.116	-0.804
3:	-0.050	-0.554
4:	-0.194	-0.276
5:	0.165	-0.158
6:	-0.283	-0.085
7:	-0.108	0.341
8:	-0.028	0.893
9:	0.429	0.554
10:	0.784	0.956

X CENTROID: 0.030

Y CENTROID: -0.017

POA TO CENTROID: 0.034

HORZ SPREAD: 1.086

VERT SPREAD: 1.990

GROUP SPREAD: 2.267

MIN RADIUS: 0.196

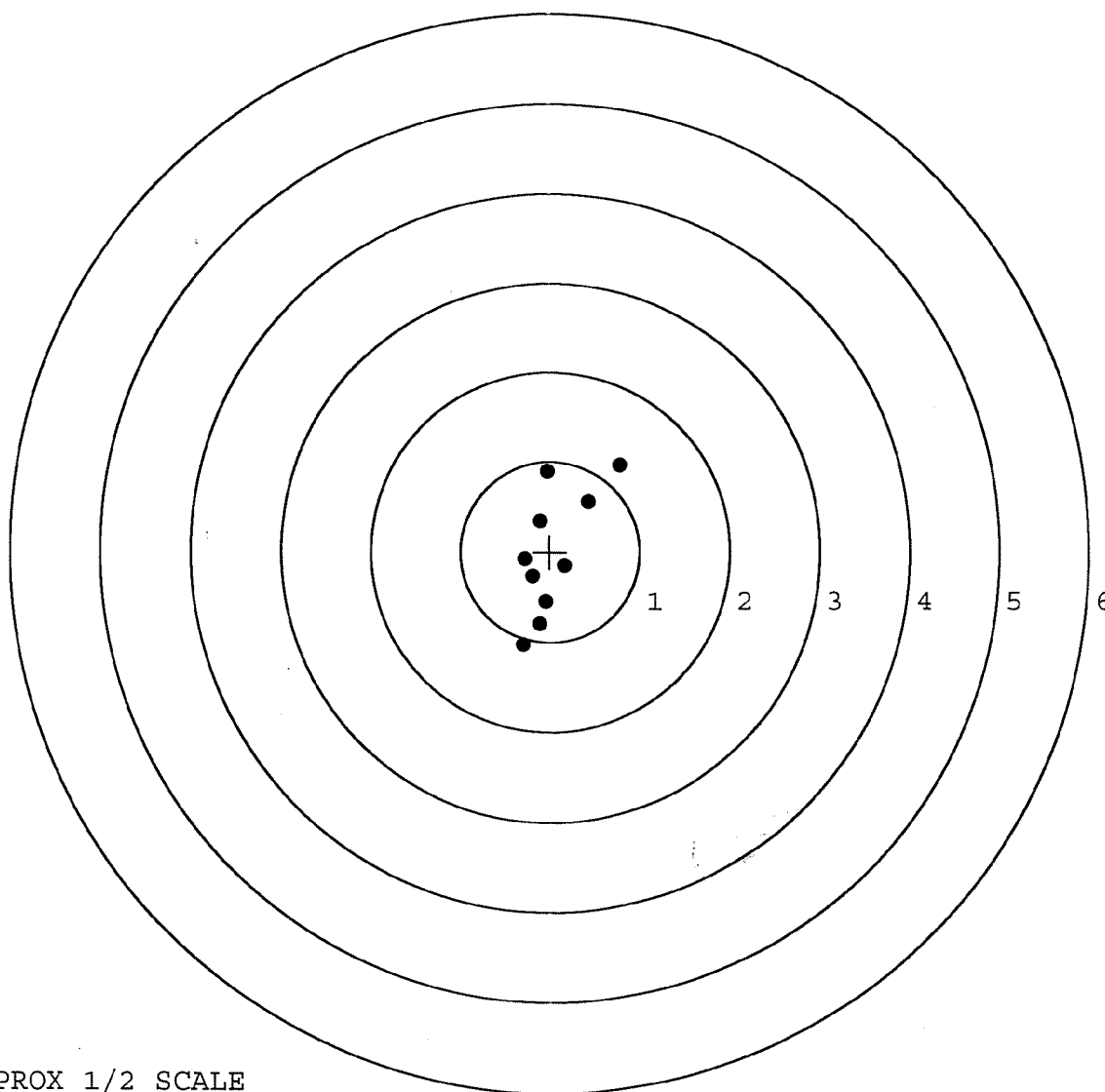
MAX RADIUS: 1.231

MEAN RADIUS: 0.649

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6461718. __0

TARGET NUMBER: 5

FILE DATE: 04/13/2009

FILE TIME: 05:32

POINT#	X	Y
--------	---	---

1:	0.110	-0.166
----	-------	--------

2:	0.110	0.066
----	-------	-------

3:	-0.072	0.141
----	--------	-------

4:	-0.159	-0.170
----	--------	--------

5:	0.133	-0.138
----	-------	--------

6:	0.148	-0.334
----	-------	--------

7:	0.498	0.354
----	-------	-------

8:	0.806	-0.525
----	-------	--------

9:	0.431	-1.044
----	-------	--------

10:	-0.412	0.579
-----	--------	-------

X CENTROID: 0.159

Y CENTROID: -0.124

POA TO CENTROID: 0.202

HORZ SPREAD: 1.218

VERT SPREAD: 1.623

GROUP SPREAD: 1.829

MIN RADIUS: 0.030

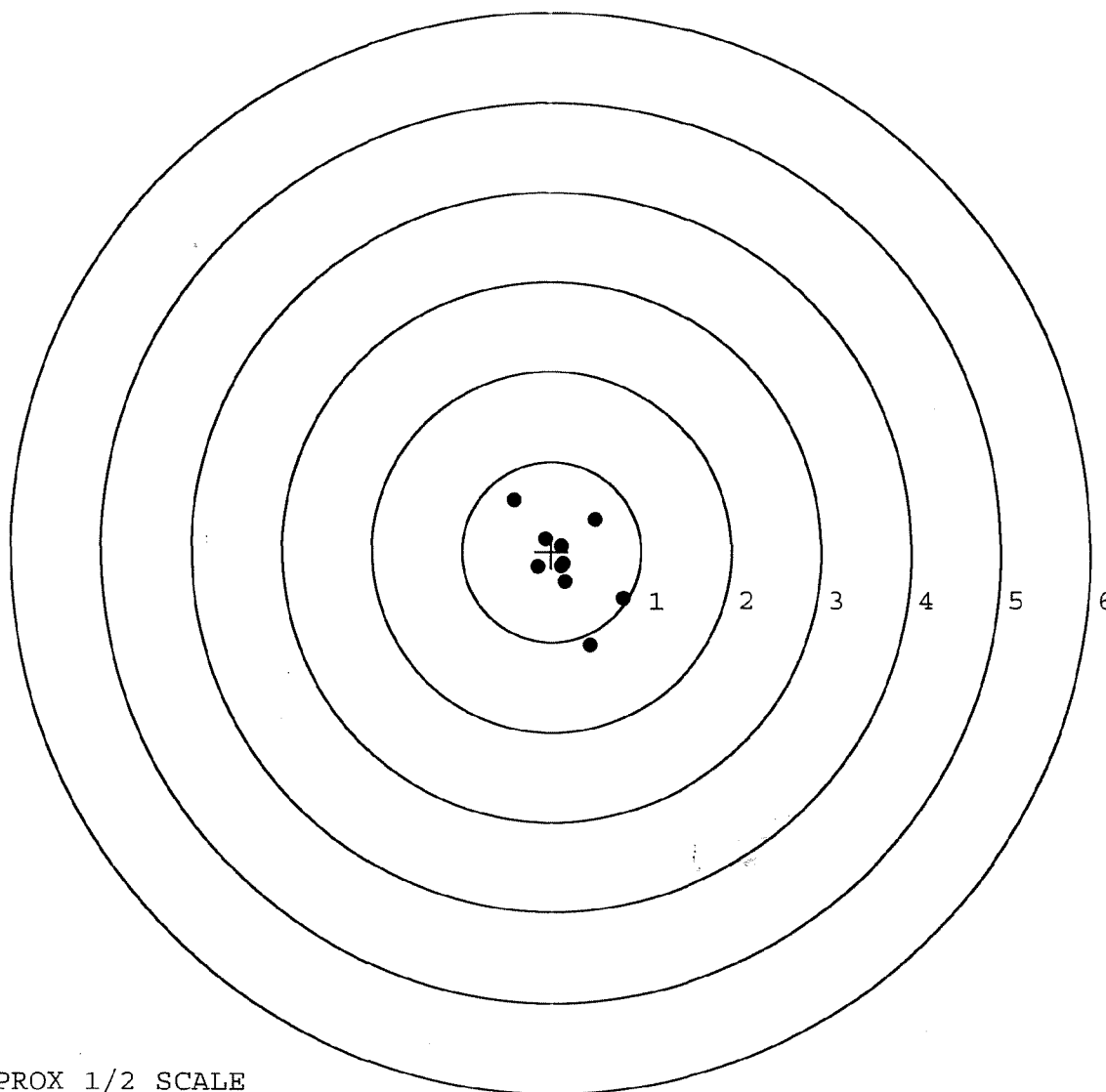
MAX RADIUS: 0.960

MEAN RADIUS: 0.439

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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: **RE00092853** Serial: **C6225290** Model: **M24 SWS** Center Fire
 Verity Repair: [Redacted] Caliber: **7.62 NATO** Produced: **12/26/1980** Repairman: [Redacted]
 Status: **Closed 2/10/2005 11:38:13 AM**

Address Information

Customer: ☐ Received From: ☒ Return To: ☐ Received From: ☐

Name: **DEF DIST DEPOT ANNISTON** **DEF DIST DEPOT ANNISTON**
 Address 1: [Redacted] **PO Box** [Redacted] **PO Box** [Redacted]
 Address 2: [Redacted] **PO Box** [Redacted] **PO Box** [Redacted]
 City: **ANNISTON** **ANNISTON**
 State: **AL** Zip Code: **362014199** Country: **US** State: **AL** Zip Code: **362014199** Country: **US**
 FFL: [Redacted]

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information **Received Condition** **Accessories Received**

Phone: [Redacted] **Good**

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Frt and Rear Sgt Base	1

 Fax: [Redacted] **Condition Notes** [Redacted]
 Email: [Redacted] **CSR Notes** [Redacted]
 Comments: [Redacted]

Repair Search **Refresh** **Close**

maglev 2/14/2005 8:21 AM CAPS INUM INS SCPL

start 5 2 4 Arms Service

G 6461718 New

Serial Number: **C6225290**

Model: **M24 SWS**



RE00092853

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461718.___0
FILE DATE AND TIME: 06/24/2005 07:59

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

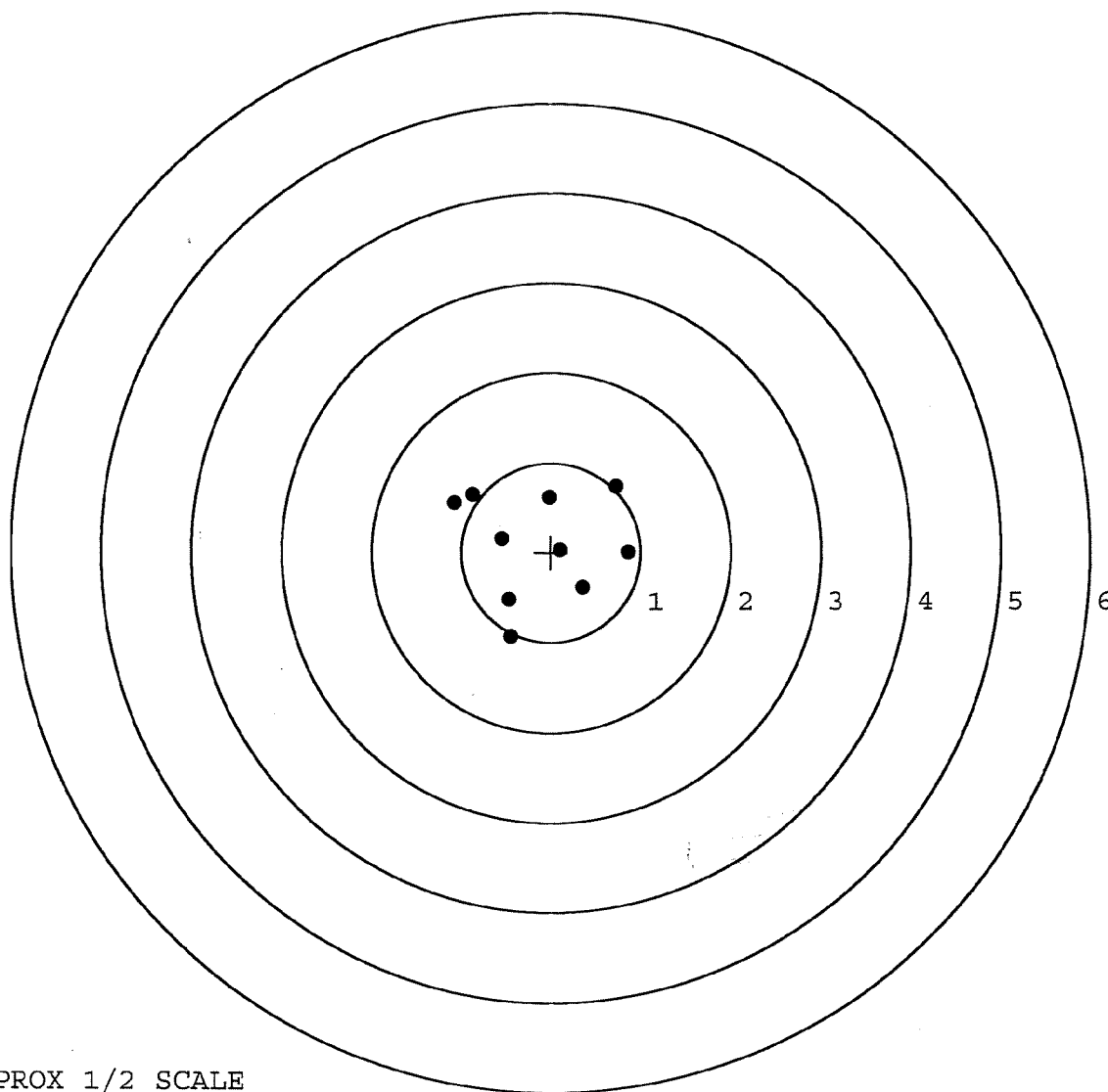
The Average X Centroid of the Five Target Set:	-0.049
The Average Y Centroid of the Five Target Set:	0.207
The Average Point of Impact of the Five Target Set:	0.213
The Average Mean Radius of the Five Target Set:	1.029
The Distance from POA to Centroid Target #1:	0.164
The Distance from Centroid Target #2 to Centroid Target #1:	0.463
The Distance from Centroid Target #3 to Centroid Target #1:	0.180
The Distance from Centroid Target #4 to Centroid Target #1:	0.337
The Distance from Centroid Target #5 to Centroid Target #1:	0.336

SERIAL NUMBER: G6461718. __0
TARGET NUMBER: 1
FILE DATE: 06/24/2005
FILE TIME: 07:59

POINT#	X	Y
1:	0.865	-0.005
2:	0.727	0.738
3:	-0.014	0.615
4:	0.355	-0.396
5:	-0.451	-0.945
6:	-0.468	-0.533
7:	-0.552	0.157
8:	-1.075	0.557
9:	-0.879	0.653
10:	0.105	0.029

X CENTROID: -0.139
Y CENTROID: 0.087
POA TO CENTROID: 0.164
HORZ SPREAD: 1.940
VERT SPREAD: 1.683
GROUP SPREAD: 2.054
MIN RADIUS: 0.251
MAX RADIUS: 1.083
MEAN RADIUS: 0.775

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

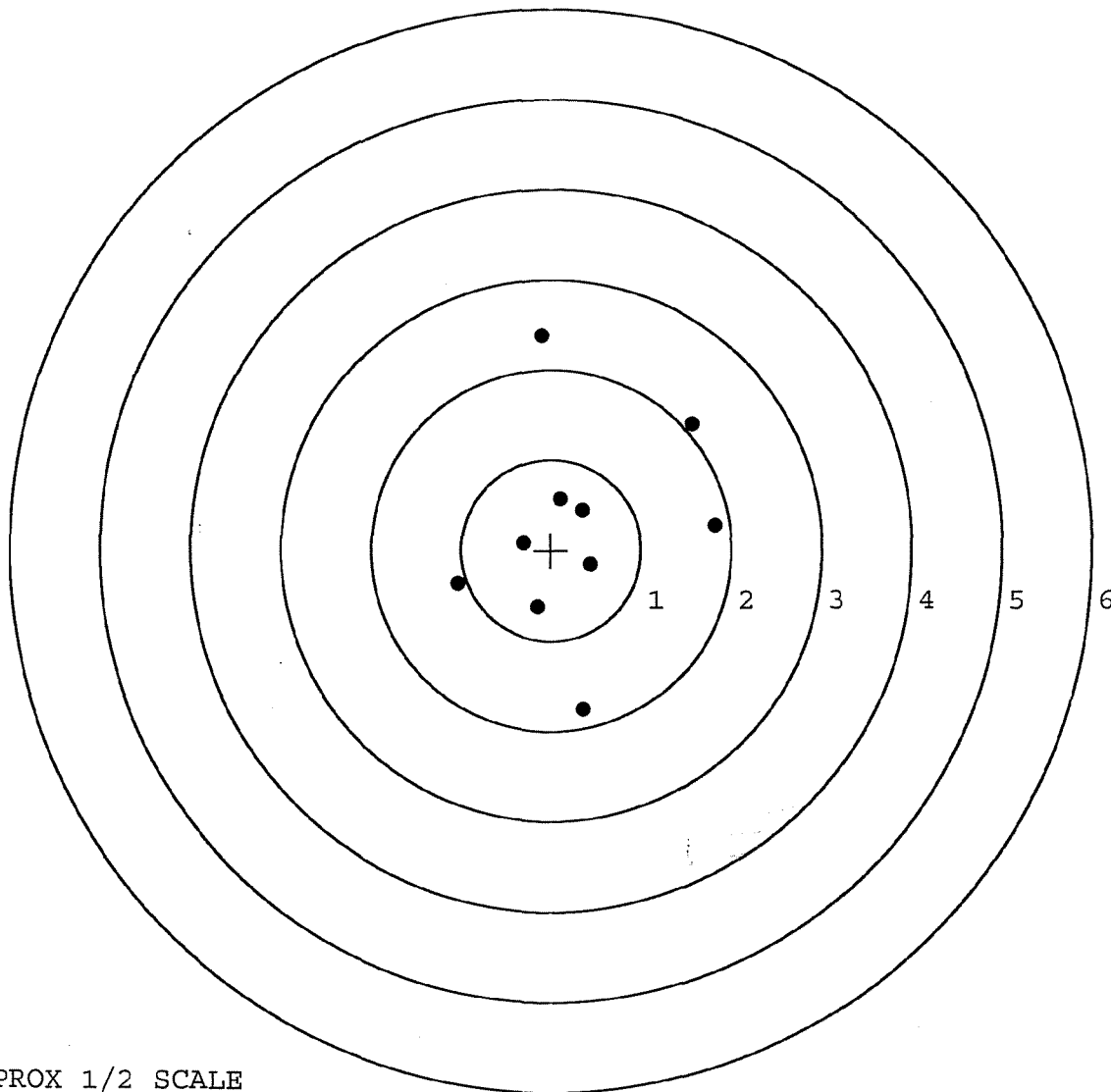


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461718. 0
TARGET NUMBER: 2
FILE DATE: 06/24/2005
FILE TIME: 07:59

X CENTROID: 0.305
Y CENTROID: 0.219
POA TO CENTROID: 0.376
HORZ SPREAD: 2.852
VERT SPREAD: 4.141
GROUP SPREAD: 4.168
MIN RADIUS: 0.220
MAX RADIUS: 2.195
MEAN RADIUS: 1.149
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.442	-0.164
2:	0.351	0.434
3:	0.102	0.561
4:	-0.300	0.082
5:	1.817	0.272
6:	1.565	1.400
7:	-0.108	2.375
8:	-0.148	-0.628
9:	-1.035	-0.374
10:	0.366	-1.766



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461718. __0

TARGET NUMBER: 3

FILE DATE: 06/24/2005

FILE TIME: 07:59

POINT#	X	Y
1:	0.785	0.402
2:	0.773	0.976
3:	0.329	-0.363
4:	0.231	0.111
5:	-0.164	-0.837
6:	-0.212	-0.129
7:	-0.382	0.713
8:	-1.133	-1.512
9:	-1.414	-0.257
10:	-1.159	0.244

X CENTROID: -0.235

Y CENTROID: -0.065

POA TO CENTROID: 0.243

HORZ SPREAD: 2.199

VERT SPREAD: 2.488

GROUP SPREAD: 3.134

MIN RADIUS: 0.068

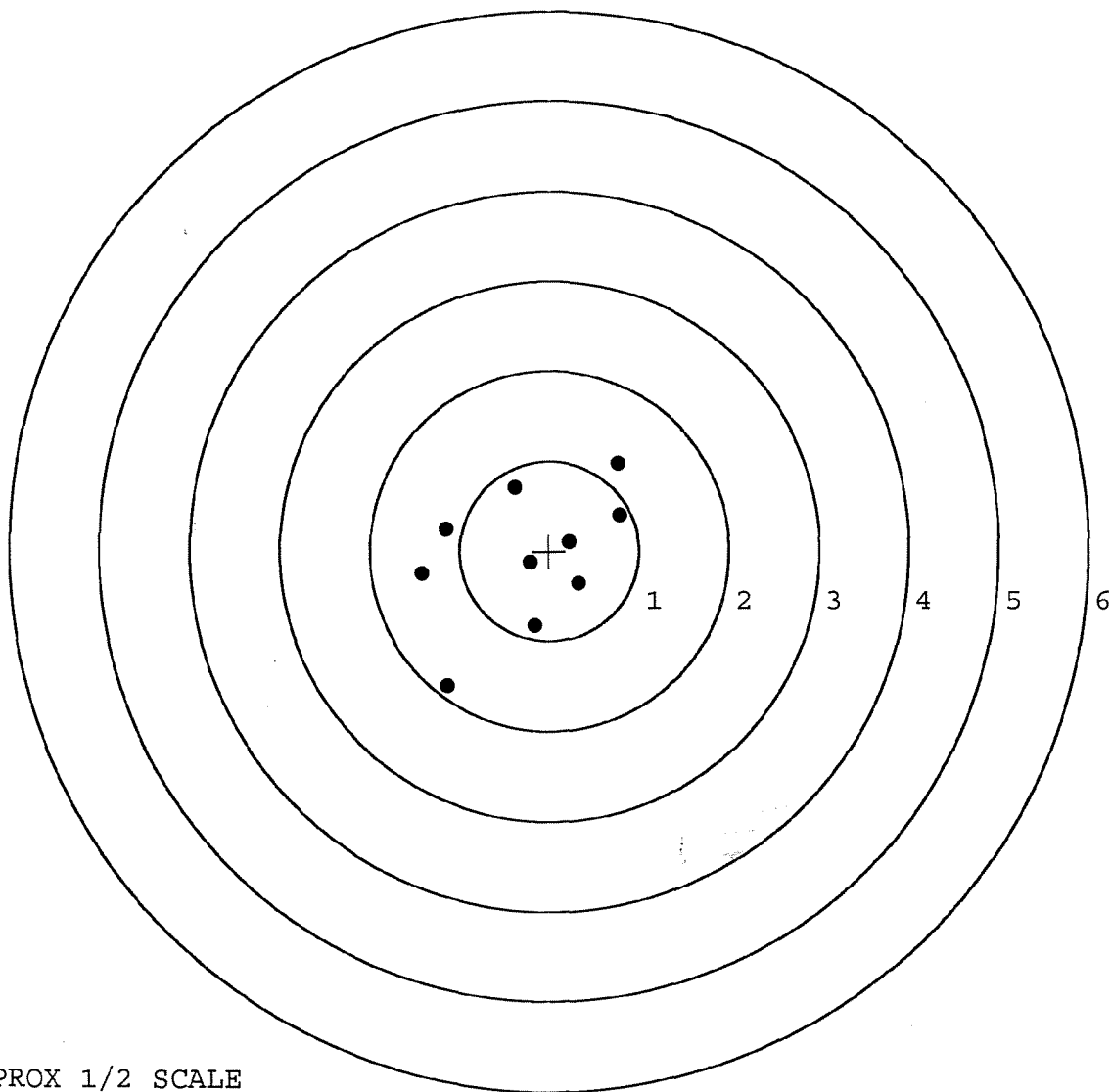
MAX RADIUS: 1.703

MEAN RADIUS: 0.921

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

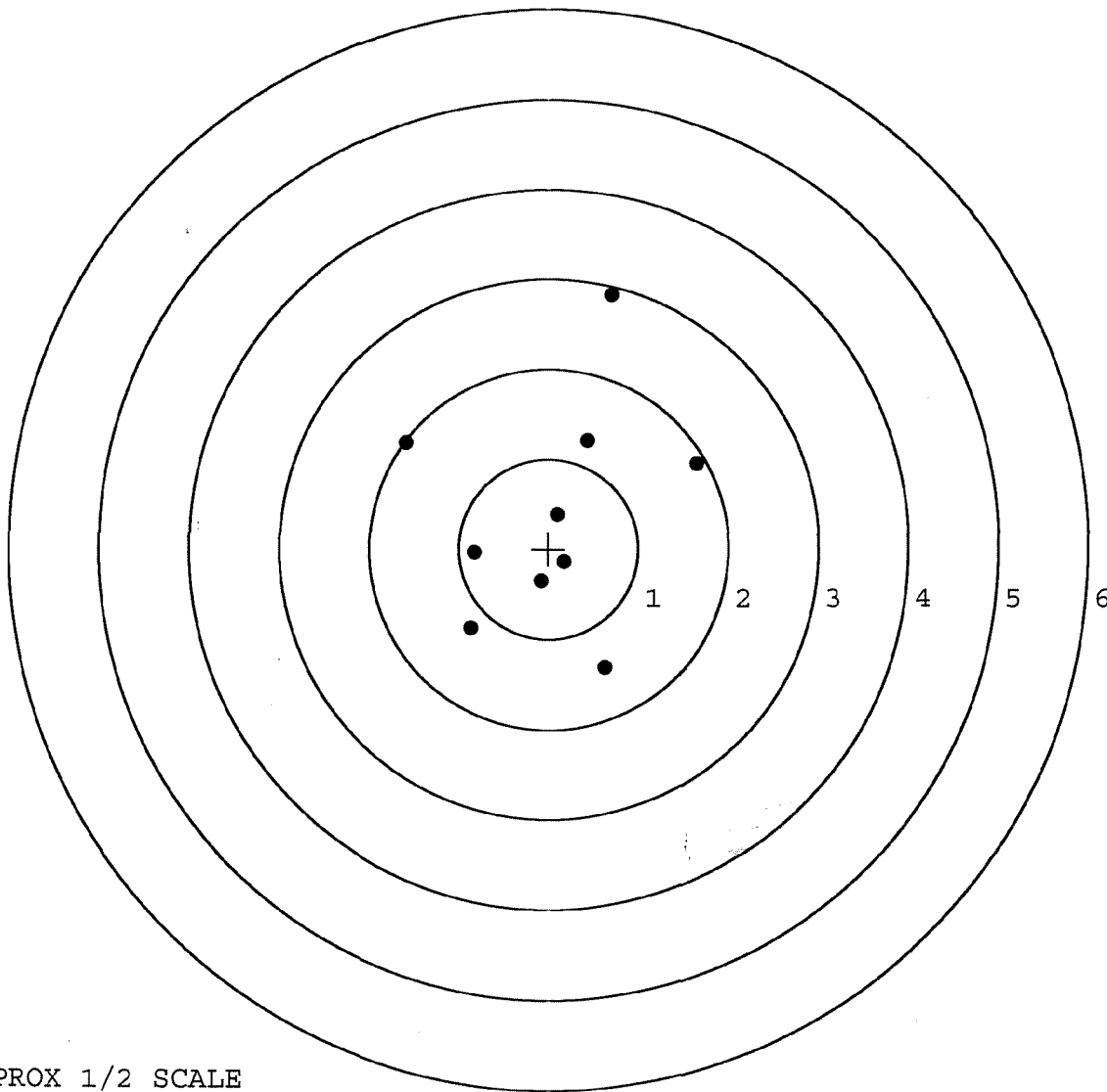


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461718. __0
TARGET NUMBER: 4
FILE DATE: 06/24/2005
FILE TIME: 07:59

X CENTROID: 0.031
Y CENTROID: 0.377
POA TO CENTROID: 0.379
HORZ SPREAD: 3.232
VERT SPREAD: 4.131
GROUP SPREAD: 4.132
MIN RADIUS: 0.063
MAX RADIUS: 2.529
MEAN RADIUS: 1.263
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 5

POINT#	X	Y
1:	1.641	0.952
2:	0.438	1.205
3:	-1.591	1.182
4:	-0.827	-0.046
5:	-0.871	-0.886
6:	0.627	-1.317
7:	-0.081	-0.363
8:	0.175	-0.148
9:	0.094	0.381
10:	0.709	2.814

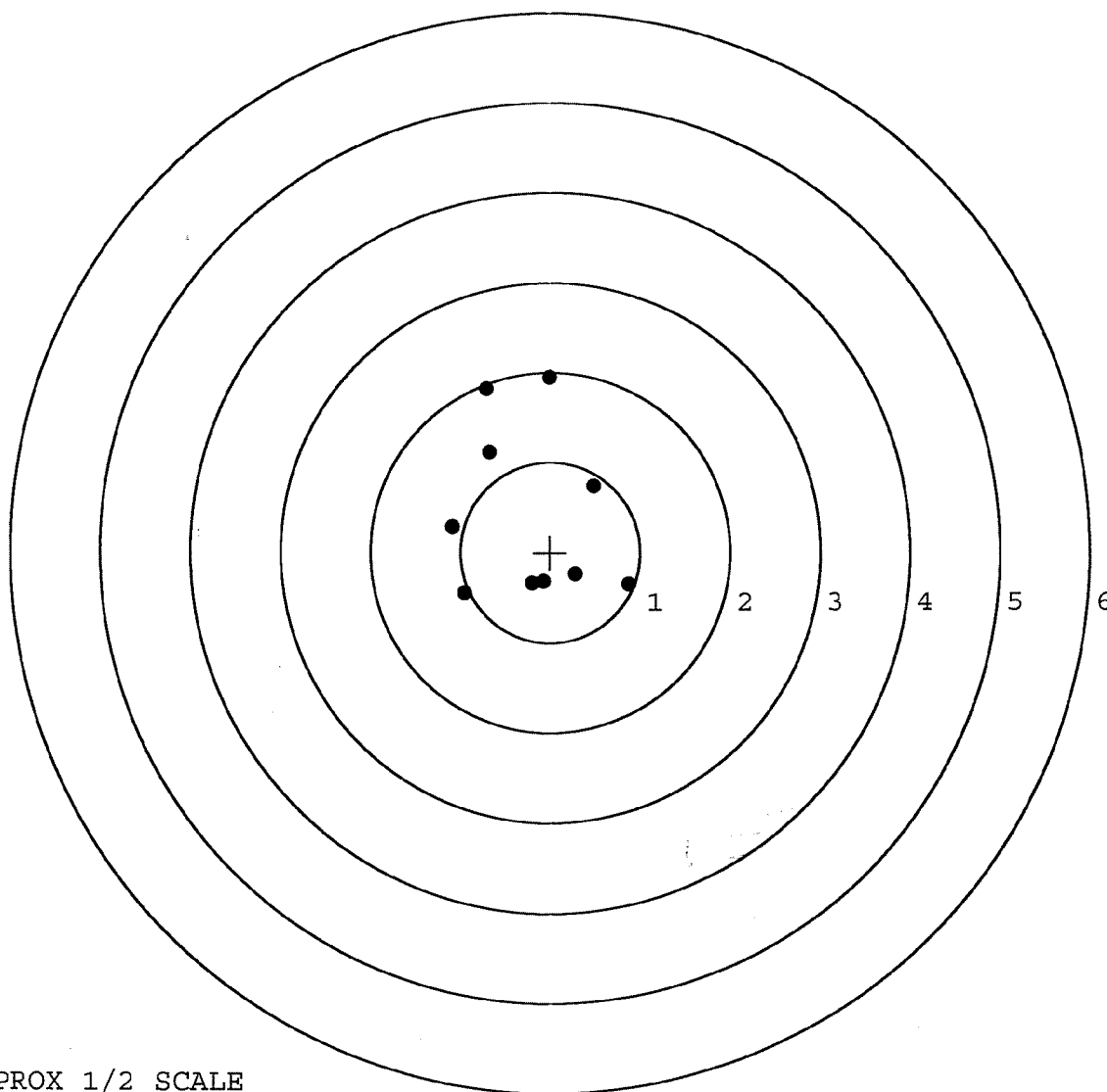


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461718. __0
TARGET NUMBER: 5
FILE DATE: 06/24/2005
FILE TIME: 07:59

POINT#	X	Y
1:	0.874	-0.358
2:	0.490	0.732
3:	0.285	-0.242
4:	-0.075	-0.322
5:	-0.205	-0.346
6:	-0.959	-0.453
7:	-1.088	0.286
8:	-0.680	1.108
9:	0.000	1.941
10:	-0.709	1.818

X CENTROID: -0.207
Y CENTROID: 0.416
POA TO CENTROID: 0.465
HORZ SPREAD: 1.962
VERT SPREAD: 2.394
GROUP SPREAD: 2.579
MIN RADIUS: 0.750
MAX RADIUS: 1.539
MEAN RADIUS: 1.033
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92853		
SERIAL NUMBER	C6225290		G6461718 New
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-26-05	RTZ
560 A	RE-BARREL	6-6-05	RTZ
B	DRILL AND TAP	6-8-05	TRW
575	ASSEMBLE	6-6-05	RTZ
600	PROOF	6-7-05	AE
605	CHECK HEADSPACE	6-9-05	AE
610	DIS-ASSEMBLE GUN	6-7-05	RTZ
612	MAGNAFLUX	6-9-05	W
615	ROLLMARK CALIBER	6-9-05	CW
618	ROTO-BLAST	6-10-05	LB
620	APPLY COATINGS	6-13-05	W
625 A	FINAL ASSEMBLY	6-23-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	6-28-05	AE
D	SAFETY "OFF" FORCE	6-28-05	AE
E	FIRING PIN INDENT	6-28-05	AE
640	TARGET	6-24-05	TRW
655	FINAL INSPECT	6-28-05	AE
660	PACK	7-12-05	RA
		SHIP DATE	
QAR INSPECTION DATE			

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225290

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	8 9/88	8 9/88	FB
600	Proof	9 7/88	9 7/88	RW
607	Check Headspace	9 7/88	9 7/88	RW
610	Dis-assemble gun	8 7/88	8 7/88	RW
612	Magnaflux Barrel Action		9-14-88	PJE.
	Magnaflux Bolt		9-14-88	PJE.
615	Rollmark Caliber			
617	Drill & Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/14/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/14/88	RW
	C) Inspect Ejector Hole for Chamfer		11/14/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		11/17/88	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		14/00/88	JS
	F) Safety on Force	5 : 5 : 5	17/00/88	JS
	G) Safety off Force	3 : 3 : 3	17/00/88	JS
	H) Trigger Pull Test & Retainability		14/00/88	JS
	I) Firing Pin Indent	.020 : .020 : .020	17/00/88	JS
	J) Assemble Stock		11/17/88	RW
	K) Attach Front & Rear Sight Assemblies		11/17/88	RW
	L) Iron Sight Alignment		11/17/88	RW
	M) Detach Front & Rear Sights & place in numbered container		11/17/88	RW
	N) Attach Scope to Rifle		11/18/88	WB
	O) Detach & Attach Scope 20 times		11/18/88	WB
640	Gallery Target & Test	56R 97L	11-30-88	AC
	A) Optical Clarity of Scope	OK	11-30-88	AC
645	Inspect for Live Ammo	none	11-30-88	AC
655	Final Inspection A) Headspace		1Dec88	JS
	B) Trigger Pull	2.48 : 2.46 : 2.43	2.47 : 2.42	JS
	C) Function		1Dec88	JS
	D) Assemble Swivel Studs		1Dec88	JS
660	Pack		14Dec88	JS

0.2
SWS TRIGGER PULL TEST

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

SERIAL NO. C6225290
DATE 14/08/88
TESTER LD

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.26	2.27	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.23	2.22	2.21	2.46	
PULL #3	2.35	2.21	2.21	2.43	
PULL #4	2.32	2.17	2.21	2.47	
PULL #5	2.29	2.16	2.19	2.42	
TOTAL	11.47	11.02	11.09	12.26	
AVG.	2.294	2.204	2.218	2.452	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.00	2.97		
PULL #2	3.00	2.99		
PULL #3	3.04	2.97		
PULL #4	3.04	3.00		
PULL #5	3.02	3.00		
TOTAL	15.10	14.93		
AVG.	3.02	2.986		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	4.09		4.09
PULL #2	4.13	4.08		4.04
PULL #3	4.08	4.04		4.01
PULL #4	4.12	4.01		4.09
PULL #5	4.17	4.05		4.11
TOTAL	20.68	20.27		20.34
AVG.	4.136	4.054		4.068

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225290

CENTROIDAL DISTANCES

0 TO	1	.565828
1 TO	2	1.10789
1 TO	3	.576545
1 TO	4	.811001
1 TO	5	1.24346

2
5 4+ 1 <----POA
3

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0796
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0066
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0798731
THE AMR FOR THIS RIFLE IS: 1.012

30 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225286

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 4.371

VS= 2.956

GS= 4.642

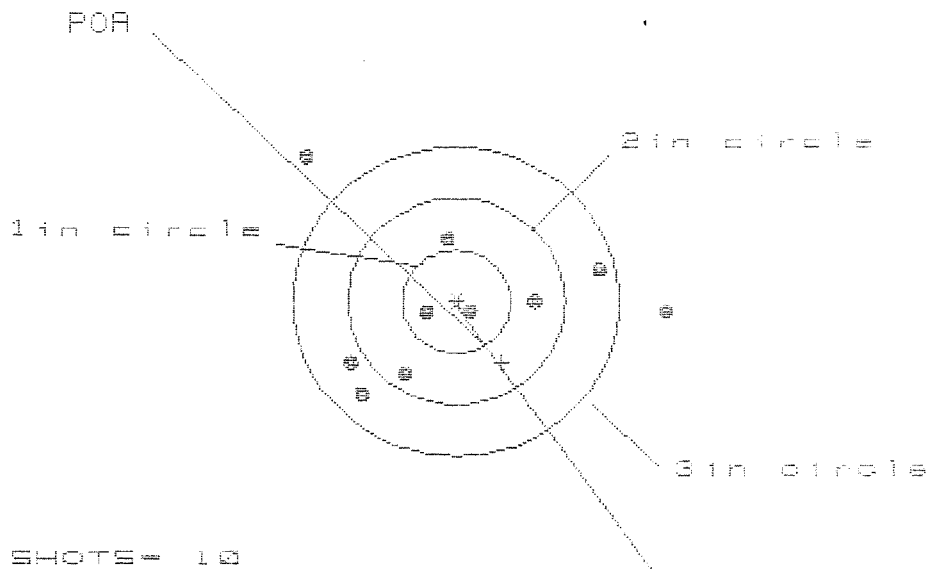
CENTROID #

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.510	.988	.790
MINIMUM X	:	-1.861	-1.582	-.756
MAXIMUM Y	:	2.011	1.982	2.140
MINIMUM Y	:	-.945	-.974	-.816
CENTROID X	:	.560	.281	.479
CENTROID Y	:	.081	.110	-.048
POA TO CENTROID in.	:	.566	.302	.481
MIN RADIUS	:	.393	.648	.433
MEAN RADIUS	:	1.250	1.131	.935
MAX RADIUS	:	2.524	2.059	2.270
HORIZONTAL SPREAD	:	4.371	2.570	1.546
VERTICAL SPREAD	:	2.956	2.956	2.956
EXTREME SPREAD	:	4.642	3.289	3.168
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

30 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C9325290

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 3.254

VS = 2.206

ES = 3.555

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.897	1.745	1.380
MINIMUM X	:	-1.367	-1.174	-.956
MAXIMUM Y	:	1.361	.748	.761
MINIMUM Y	:	-.845	-.694	-.681
CENTROID X	:	-.423	-.271	-.489
CENTROID Y	:	.592	.441	.428
POA TO CENTROID in.	:	.728	.517	.650
MIN RADIUS	:	.121	.097	.190
MEAN RADIUS	:	1.014	.913	.775
MAX RADIUS	:	1.929	1.748	1.455
HORIZONTAL SPREAD	:	3.264	2.919	2.336
VERTICAL SPREAD	:	2.206	1.442	1.442
EXTREME SPREAD	:	3.555	2.965	2.492
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			8	

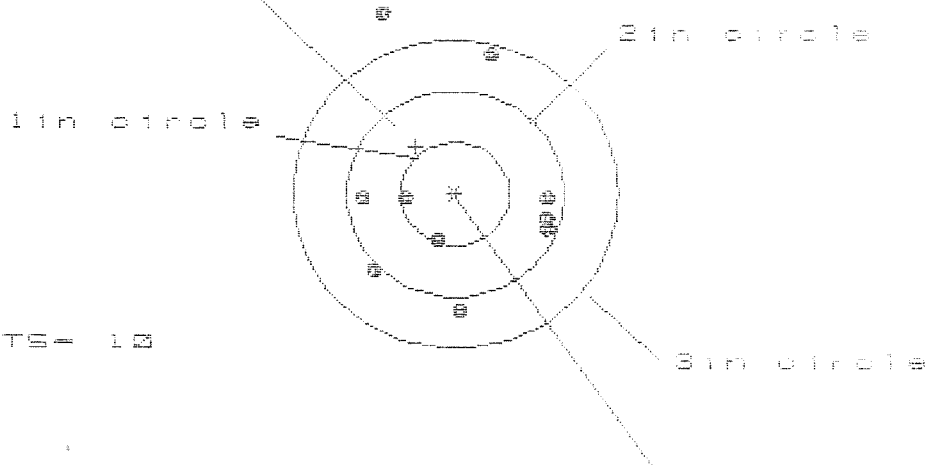
30 Nov 1988

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CENTERFIRE PATTERNS

3

POB



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 2

HE= 1.728

VS= 2.873

GS= 2.960

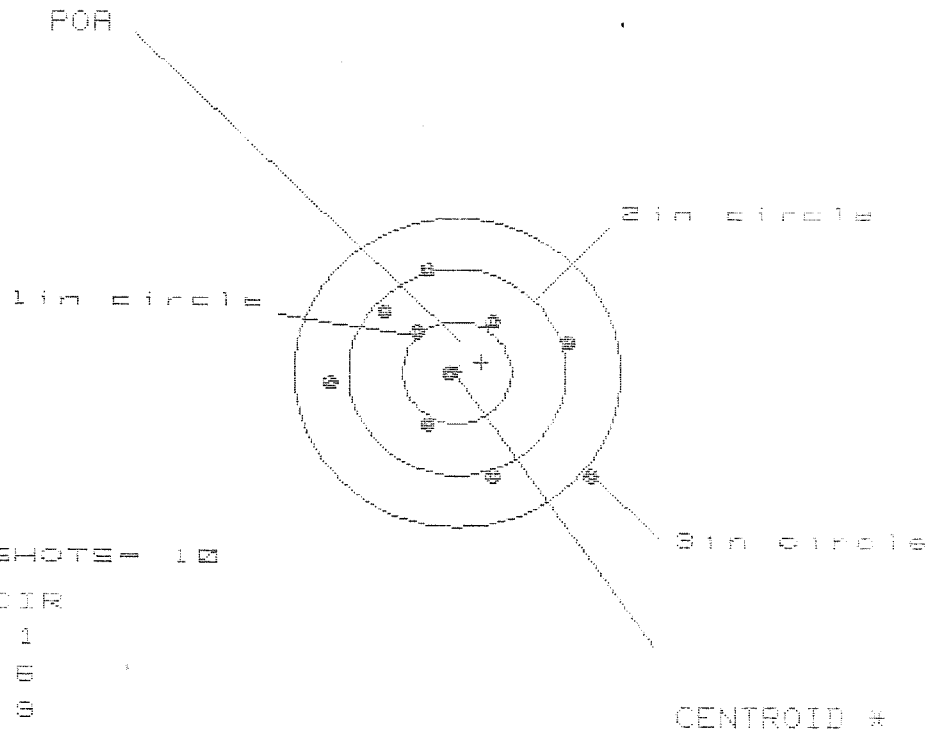
CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.879	.800	.833
MINIMUM X	-.849	-.928	-.895
MAXIMUM Y	1.771	1.543	.349
MINIMUM Y	-1.102	-.905	-.712
CENTROID X	.358	.437	.434
CENTROID Y	-.459	-.656	-.849
POB TO CENTROID in.	.582	.788	.940
MIN RADIUS	.469	.360	.219
MEAN RADIUS	1.002	.863	.744
MAX RADIUS	1.907	1.565	.950
HORIZONTAL SPREAD	1.728	1.728	1.728
VERTICAL SPREAD	2.873	2.448	1.061
EXTREME SPREAD	2.960	2.471	1.730
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	2		

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 6

HS= 2.418

VS= 2.000

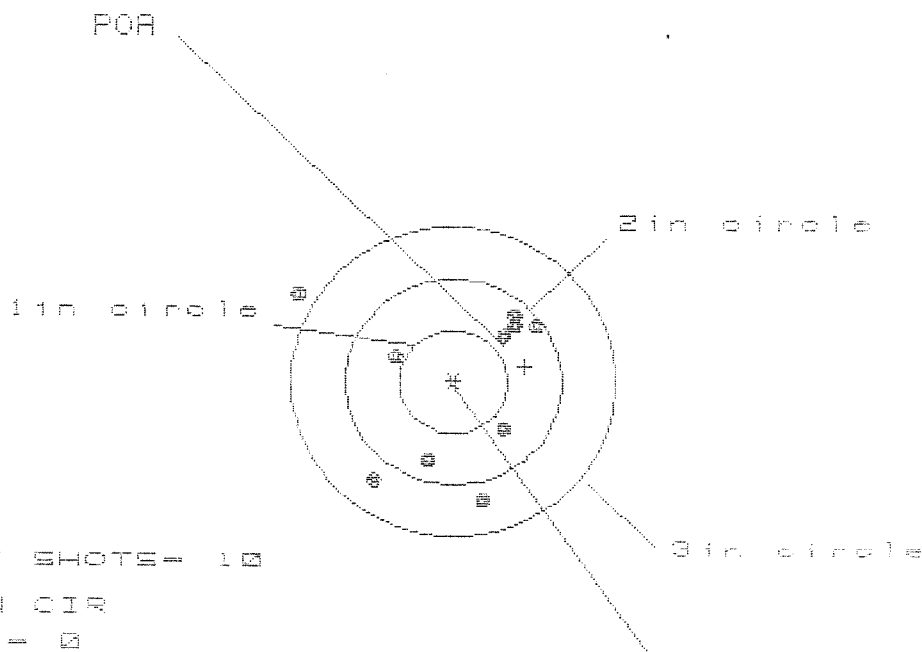
GS= 2.595

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.209	1.190	1.055
MINIMUM X	:	-1.209	-1.074	-1.713
MAXIMUM Y	:	.955	.839	.811
MINIMUM Y	:	-1.045	-1.161	-1.189
CENTROID X	:	-.231	-.366	-.231
CENTROID Y	:	-.098	.018	.046
FOR TO CENTROID in.	:	.251	.366	.236
MIN RADIUS	:	.108	.152	.203
MEAN RADIUS	:	.874	.766	.738
MAX RADIUS	:	1.598	1.266	1.245
HORIZONTAL SPREAD	:	2.418	2.264	1.768
VERTICAL SPREAD	:	2.000	2.000	2.000
EXTREME SPREAD	:	2.595	2.306	2.103
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 0

2in = 7

3in = 9

HE= 2.324

VS= 2.004

GS= 2.686

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.746	.582	.661
MINIMUM X	-1.478	-.901	-.882
MAXIMUM Y	.862	.725	.594
MINIMUM Y	-1.142	-1.045	-.937
CENTROID X	-.662	-.498	-.517
CENTROID Y	-.149	-.245	-.114
POA TO CENTROID in.	.679	.555	.529
MIN RADIUS	.578	.485	.455
MEAN RADIUS	.921	.812	.763
MAX RADIUS	1.711	1.209	1.287
HORIZONTAL SPREAD	2.224	1.483	1.483
VERTICAL SPREAD	2.004	1.771	1.531
EXTREME SPREAD	2.686	2.105	2.105
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	