

CB225144

MODEL 700™ M24

Model 700 M24™

Action

Barrel Length

Capacity

Order No. 5715

*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: **RE00168588** Serial: C6225144 Model M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 5/26/2009 1:34 49 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **ISSD ARMS ROOM** **ISSD ARMS ROOM**

Address 1: **8TH DESERT STORM** **8TH DESERT STORM**

Address 2: **BLDG 5210 BAY DOOR #30** **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**

FPL:

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

Contact Information:

Phone:

Fax:

Email:

Comments:

Received Condition:

Far

Condition Notes:

CSR Notes:

Accessories Received:

Code	Desc	Qty
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	BiPod	1
A057	Fit and Rear Sgt Base	1

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

Start | 5/26/2009 | 1:40 PM | C6225144 | NUM | (1) | SCPL

Start | Microsoft... | Microsoft... | Google News... | Part Search by... | Arms Services... | Material Wher... | 14.0

Serial Number: **C6225144**

Model: **M24 SWS**



RE00168588

M-24
INSPECTION CHECKLIST - REPAIRS
CONTRACT #: W52H09-07-C-0207
ISSUED 10/1/2007

R & E NUMBER <u>168 588</u>				
SERIAL NUMBER <u>C622 5144</u>				
LOG-IN DATE <u>5-27-09</u>				

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		5-26-09	RT
505	RE-BARREL		5-28-09	RT
420	ASSEMBLE		5-28-09	RT
440	PROOF		5-28-09	L.P.D.
460	CHECK HEADSPACE		5-28-09	L.P.D.
470	DIS-ASSEMBLE GUN		5-28-09	L.P.D.
480	MAGNAFLUX		5/30/09	Q
510	DRILL AND TAP		5-29-09	SP
500	ROLLMARK CALIBER		6/1/09	RT
520	GOFF BLAST BBL / REC		6-1-09	DLW
530 & 540	APPLY COATINGS		6/3	
560	FINAL ASSEMBLY		6-8-09	RT
640	FUNCTION TEST AND	<u>PASS</u> FAIL	6-8-09	L.P.D.
650	TARGET	<u>PASS</u> FAIL	6-8-09	L.P.D.
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	6-8-09	RP
670	FINAL INSPECTION			
	A) HEADSPACE	<u>PASS</u> FAIL	6-12-09	Z.W.
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.92 2.91 2.93 2.99 2.95 6-12-09	RT
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	3.0 3.0 3.0 6-12-09	Z.W.
	G) SAFETY OFF FORCE	2 LBS MIN	5.0 5.0 5.0 6-12-09	Z.W.
	I) FIRING PIN INDENT	.020	.021 .021 .021 6-12-09	Z.W.
690	PACK		6/5/09	Fm

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225144.__0
FILE DATE AND TIME: 06/09/2009 14:26

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.036
The Average Y Centroid of the Five Target Set:	0.062
The Average Point of Impact of the Five Target Set:	0.072
The Average Mean Radius of the Five Target Set:	0.611
The Distance from POA to Centroid Target #1:	0.023
The Distance from Centroid Target #2 to Centroid Target #1:	0.080
The Distance from Centroid Target #3 to Centroid Target #1:	0.065
The Distance from Centroid Target #4 to Centroid Target #1:	0.181
The Distance from Centroid Target #5 to Centroid Target #1:	0.085

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 1

FILE DATE: 06/09/2009

FILE TIME: 14:26

POINT#	X	Y
1:	0.490	1.133
2:	0.802	0.053
3:	0.813	-0.773
4:	0.038	-0.792
5:	-0.209	-0.526
6:	0.221	-0.176
7:	0.025	0.329
8:	-0.539	0.389
9:	-0.498	0.273
10:	-0.971	0.241

X CENTROID: 0.017

Y CENTROID: 0.015

POA TO CENTROID: 0.023

HORZ SPREAD: 1.784

VERT SPREAD: 1.925

GROUP SPREAD: 1.977

MIN RADIUS: 0.279

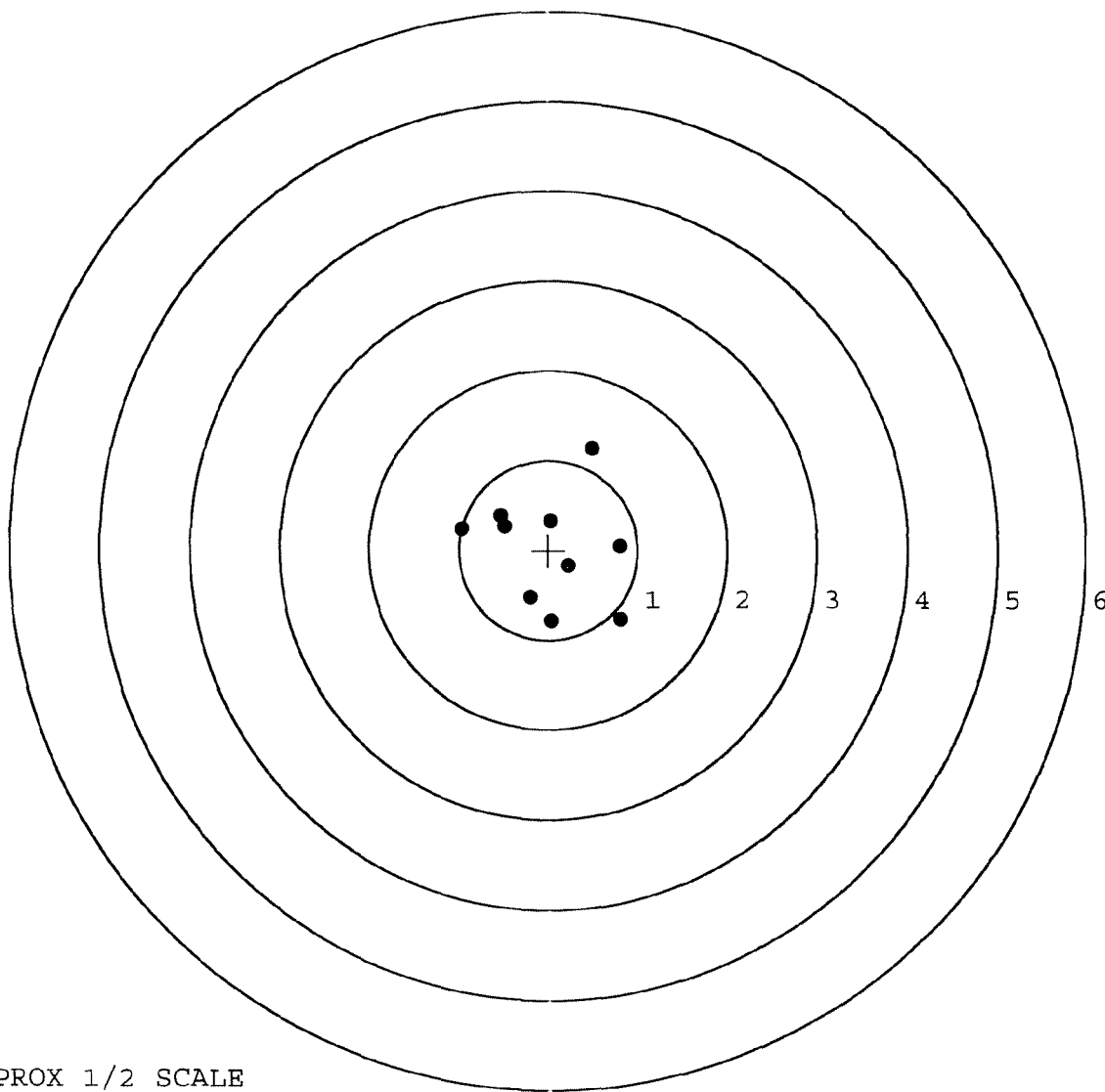
MAX RADIUS: 1.214

MEAN RADIUS: 0.737

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

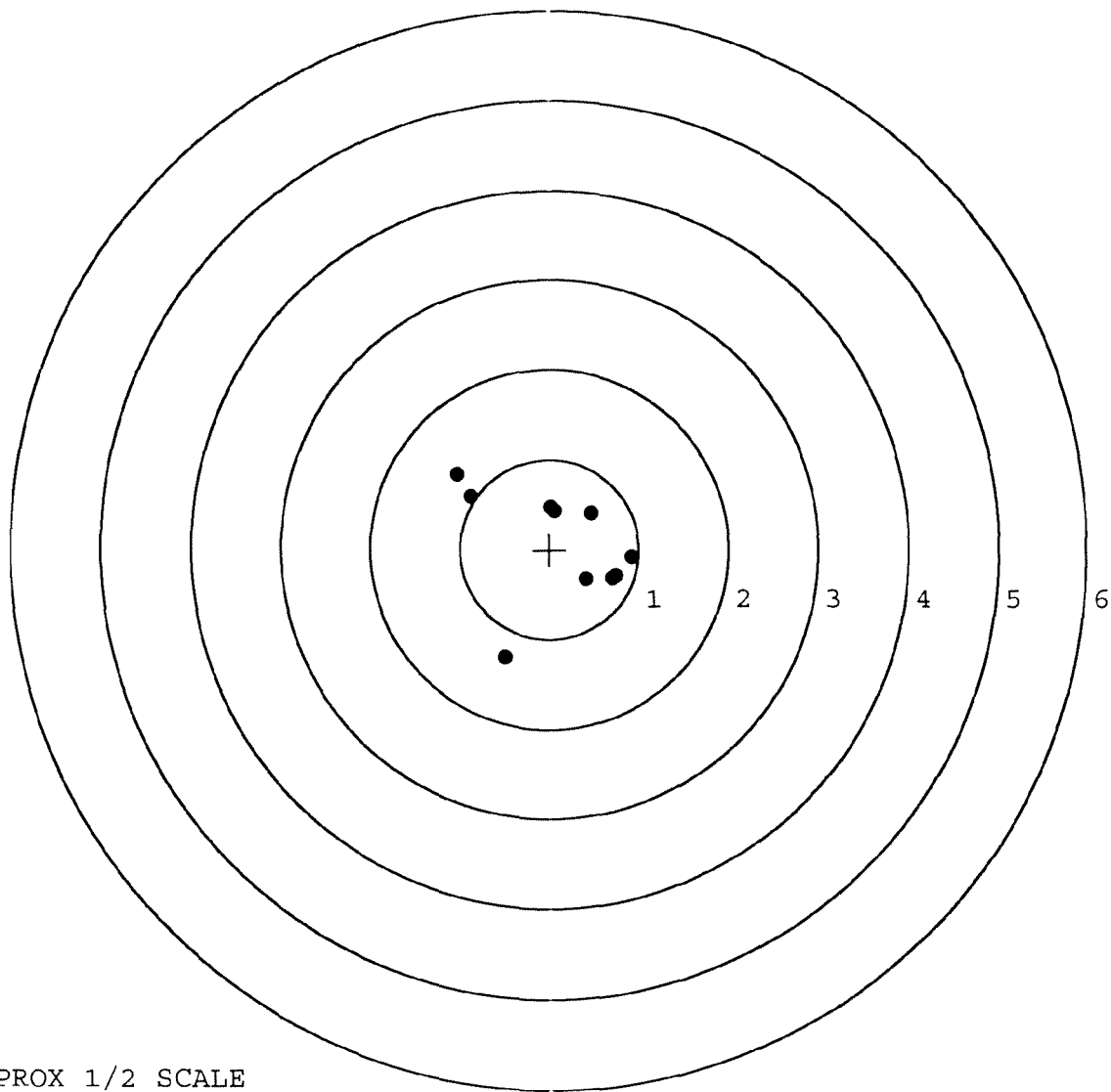


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0
TARGET NUMBER: 2
FILE DATE: 06/09/2009
FILE TIME: 14:26

X CENTROID: 0.091
Y CENTROID: 0.047
POA TO CENTROID: 0.102
HORZ SPREAD: 1.951
VERT SPREAD: 2.049
GROUP SPREAD: 2.115
MIN RADIUS: 0.382
MAX RADIUS: 1.393
MEAN RADIUS: 0.800
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.029	0.836
2:	-0.878	0.590
3:	0.054	0.427
4:	0.468	0.401
5:	0.922	-0.086
6:	0.705	-0.322
7:	0.409	-0.338
8:	-0.505	-1.213
9:	0.746	-0.298
10:	0.014	0.471



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 3

FILE DATE: 06/09/2009

FILE TIME: 14:26

POINT#	X	Y
1:	0.405	0.390
2:	0.578	0.191
3:	0.676	-0.078
4:	-0.732	-0.648
5:	-0.233	0.644
6:	-0.055	0.098
7:	-0.303	-0.025
8:	-0.203	-0.423
9:	0.049	-0.436
10:	0.169	-0.186

X CENTROID: 0.035

Y CENTROID: -0.047

POA TO CENTROID: 0.059

HORZ SPREAD: 1.408

VERT SPREAD: 1.292

GROUP SPREAD: 1.556

MIN RADIUS: 0.171

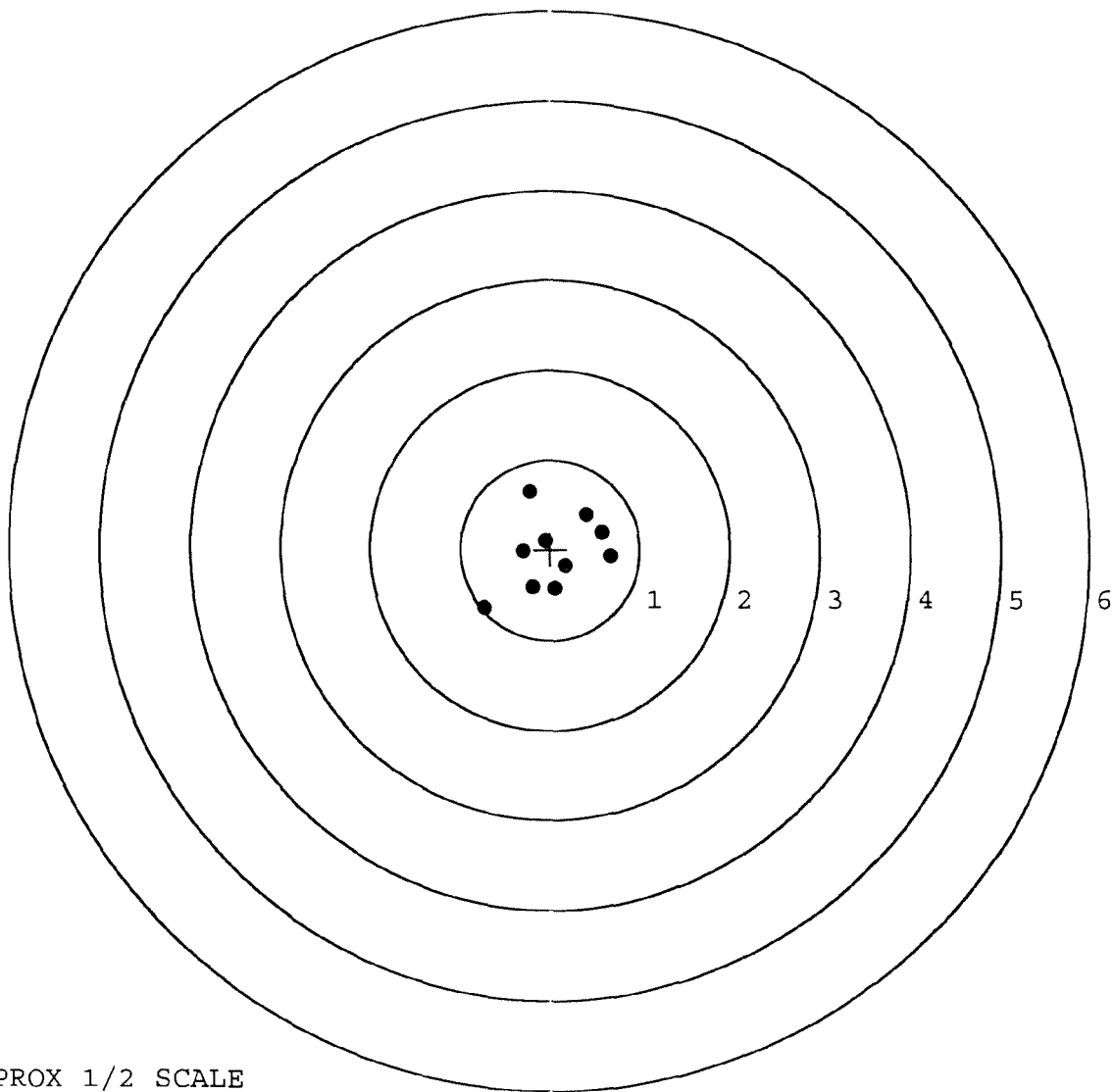
MAX RADIUS: 0.974

MEAN RADIUS: 0.506

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 4

FILE DATE: 06/09/2009

FILE TIME: 14:26

POINT#	X	Y
1:	-0.083	0.969
2:	-0.503	0.466
3:	0.766	0.069
4:	0.700	0.250
5:	0.262	0.137
6:	0.014	0.331
7:	-0.253	0.016
8:	-0.446	-0.065
9:	0.012	-0.261
10:	-0.119	0.037

X CENTROID: 0.035

Y CENTROID: 0.195

POA TO CENTROID: 0.198

HORZ SPREAD: 1.269

VERT SPREAD: 1.230

GROUP SPREAD: 1.237

MIN RADIUS: 0.138

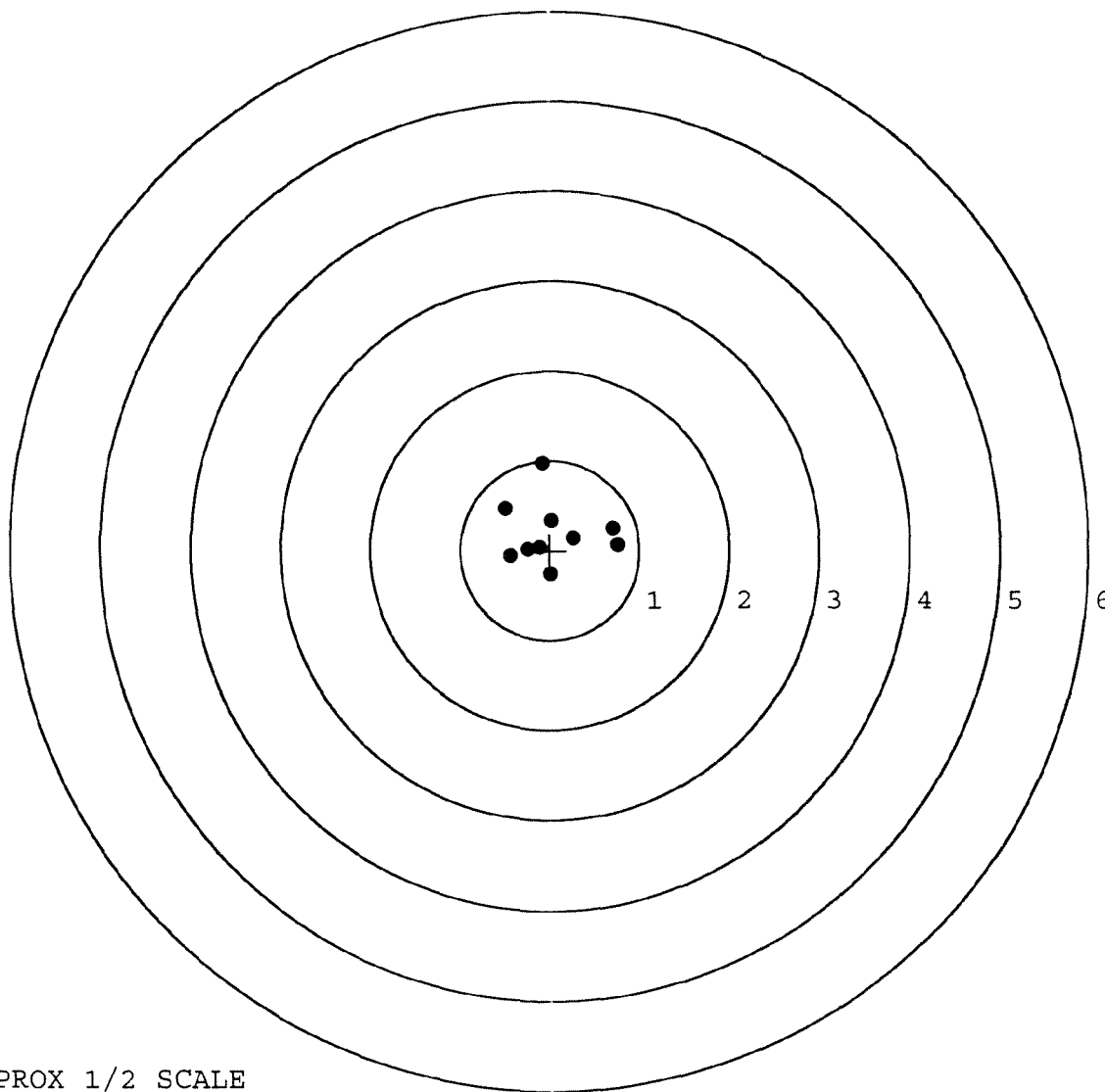
MAX RADIUS: 0.783

MEAN RADIUS: 0.473

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 5

FILE DATE: 06/09/2009

FILE TIME: 14:26

POINT#	X	Y
1:	-0.502	0.563
2:	-0.236	0.713
3:	0.463	0.590
4:	0.649	0.245
5:	0.564	-0.087
6:	-0.521	-0.568
7:	-0.367	-0.372
8:	-0.034	-0.317
9:	-0.034	-0.009
10:	0.052	0.234

X CENTROID: 0.003

Y CENTROID: 0.099

POA TO CENTROID: 0.099

HORZ SPREAD: 1.170

VERT SPREAD: 1.281

GROUP SPREAD: 1.520

MIN RADIUS: 0.114

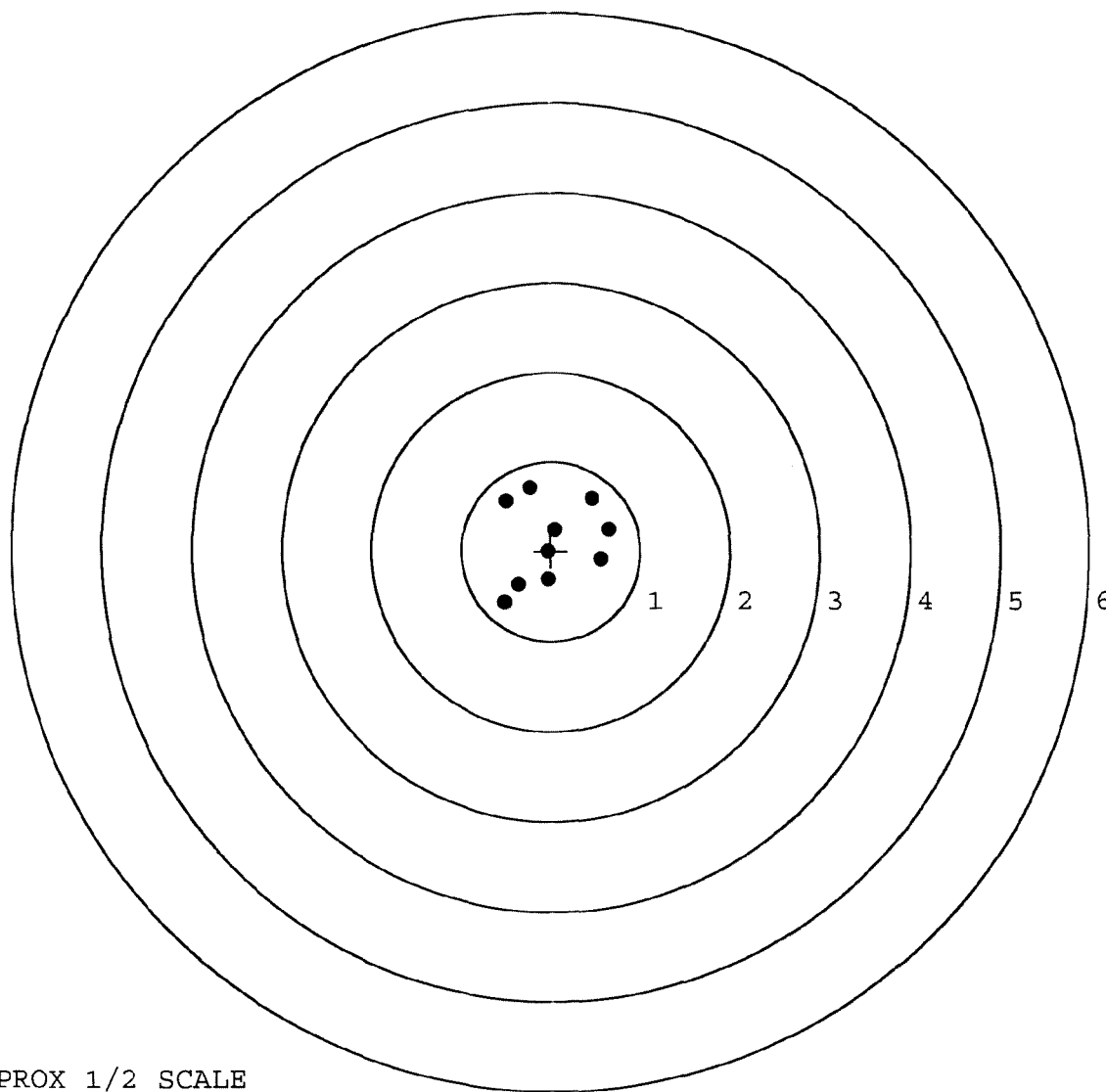
MAX RADIUS: 0.849

MEAN RADIUS: 0.539

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



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: **RE00093006** Serial: C6225144 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 12/20/1998 Repairman: Status: Closed 2/11/2005 7:24:12 AM

Verify Repair

Address Information

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

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 362014199 Country: US State: AL Zip Code: 362014199 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: 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
A057	Frt and Rear Sgt Base	1

Repair Search Refresh Close

negat 2/14/2005 9:09 AM CAPS NUM INS SCPL

start 5 2 3 ARMS SERVICES

Serial Number: **C6225144**

Model: **M24 SWS**



RE00093006

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225144.__0

FILE DATE AND TIME: 09/02/2005 11:13

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.063
The Average Y Centroid of the Five Target Set:	-0.072
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	0.950
The Distance from POA to Centroid Target #1:	0.379
The Distance from Centroid Target #2 to Centroid Target #1:	0.494
The Distance from Centroid Target #3 to Centroid Target #1:	0.467
The Distance from Centroid Target #4 to Centroid Target #1:	0.070
The Distance from Centroid Target #5 to Centroid Target #1:	0.489

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 1

FILE DATE: 09/02/2005

FILE TIME: 11:13

X CENTROID: 0.234

Y CENTROID: -0.298

POA TO CENTROID: 0.379

HORZ SPREAD: 3.345

VERT SPREAD: 3.694

GROUP SPREAD: 4.106

MIN RADIUS: 0.221

MAX RADIUS: 2.204

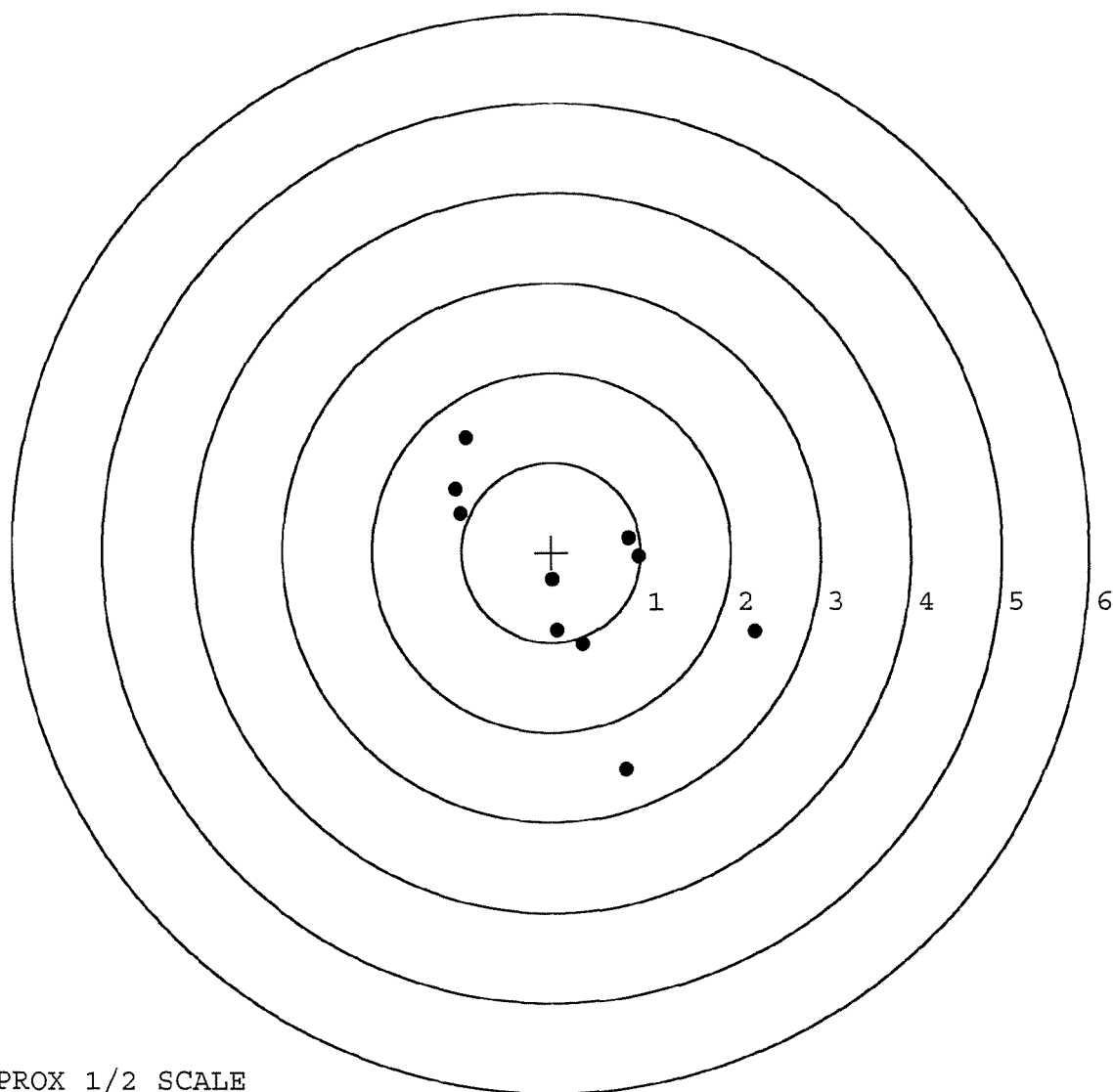
MEAN RADIUS: 1.250

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.976	-0.050
2:	0.862	0.162
3:	0.352	-1.020
4:	0.066	-0.872
5:	0.013	-0.304
6:	-1.014	0.431
7:	-1.072	0.703
8:	-0.955	1.276
9:	2.273	-0.889
10:	0.838	-2.418

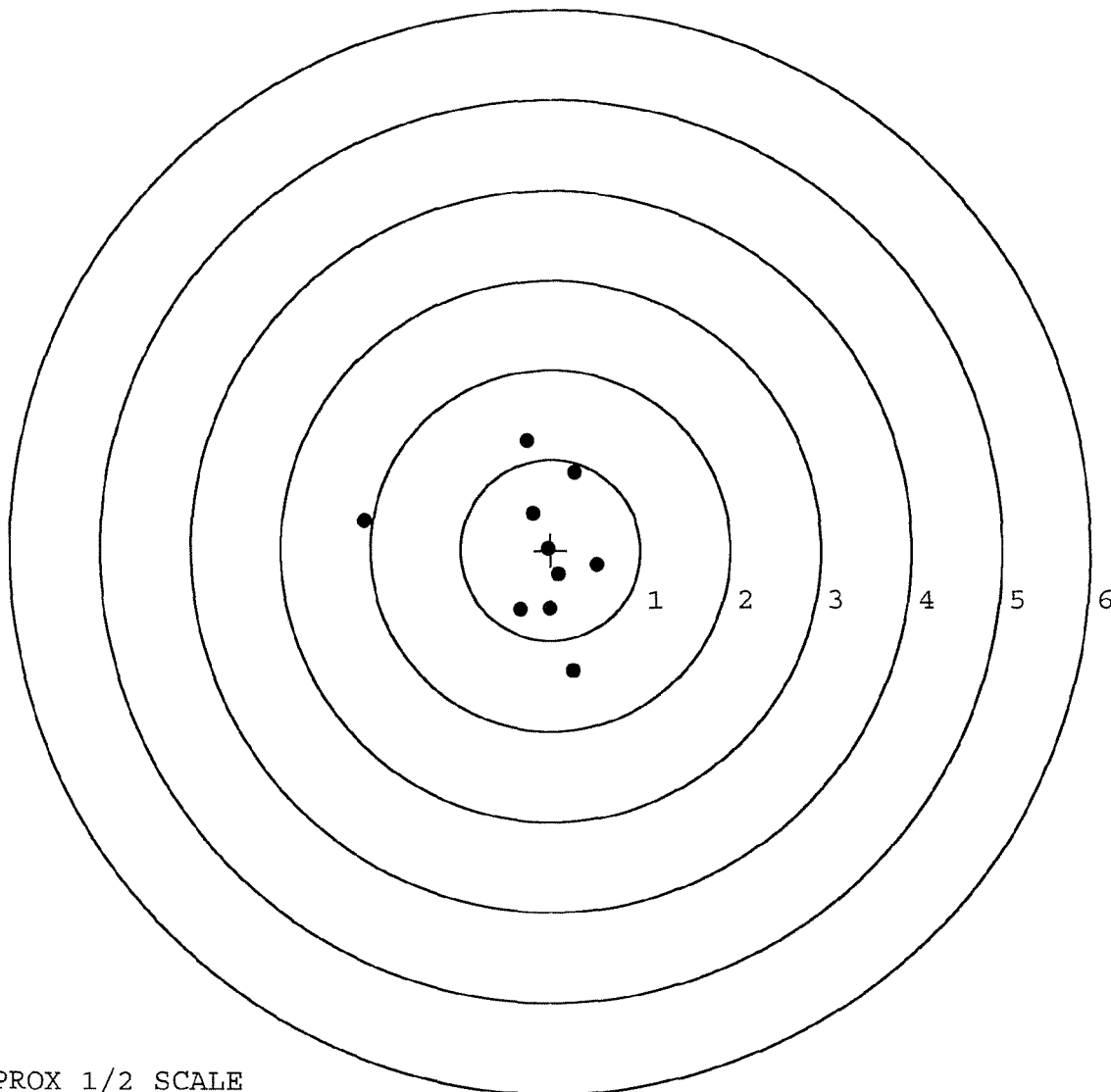


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144.___0
TARGET NUMBER: 2
FILE DATE: 09/02/2005
FILE TIME: 11:13

X CENTROID: -0.179
Y CENTROID: -0.027
POA TO CENTROID: 0.181
HORZ SPREAD: 2.587
VERT SPREAD: 2.550
GROUP SPREAD: 2.853
MIN RADIUS: 0.156
MAX RADIUS: 1.922
MEAN RADIUS: 0.849
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.248	-1.341
2:	0.518	-0.169
3:	-0.007	-0.650
4:	-0.334	-0.658
5:	0.082	-0.271
6:	-0.030	0.018
7:	-0.203	0.408
8:	0.272	0.857
9:	-0.265	1.209
10:	-2.069	0.323

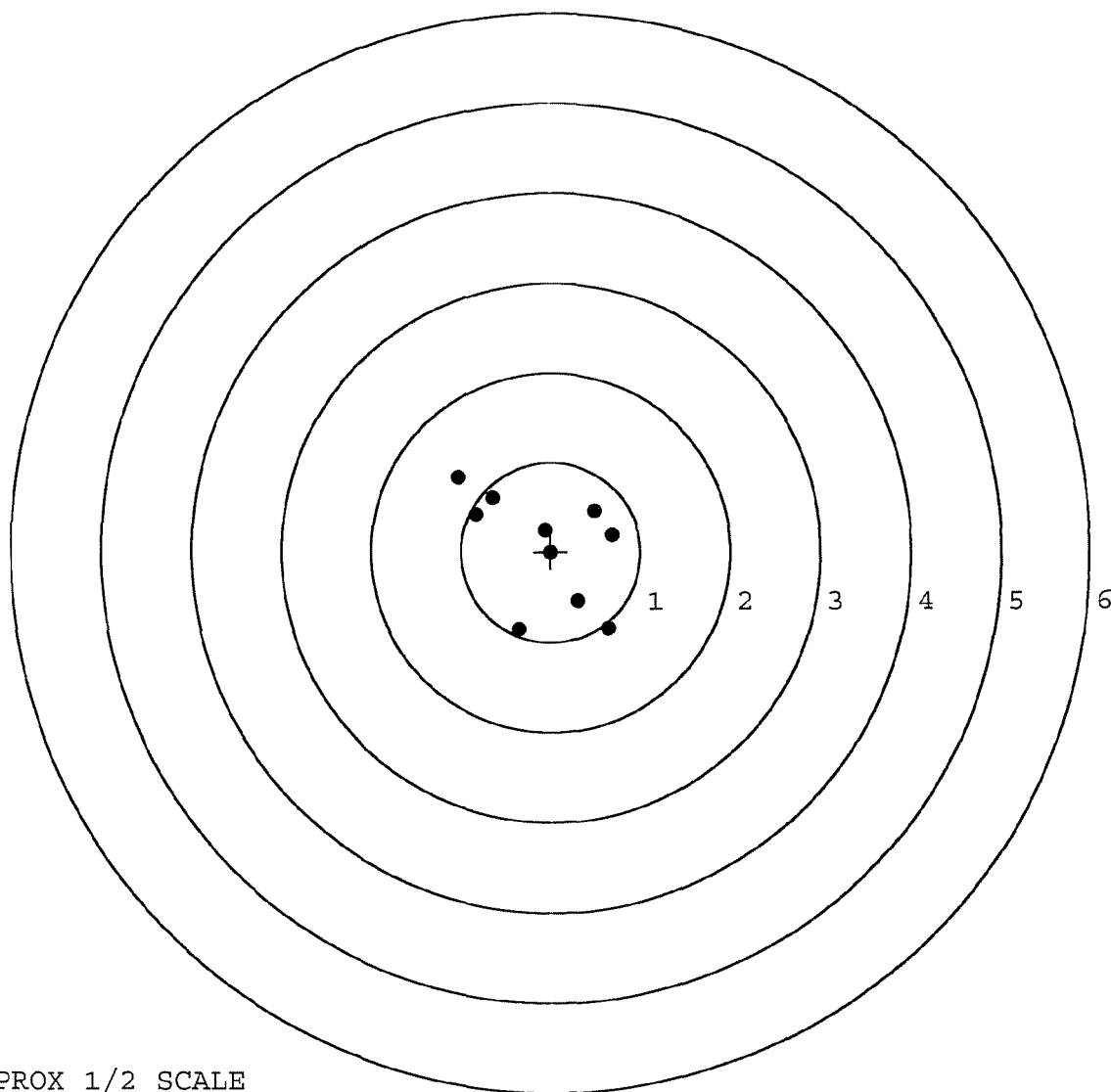


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0
 TARGET NUMBER: 3
 FILE DATE: 09/02/2005
 FILE TIME: 11:13

X CENTROID: -0.082
 Y CENTROID: 0.046
 POA TO CENTROID: 0.094
 HORZ SPREAD: 1.716
 VERT SPREAD: 1.691
 GROUP SPREAD: 2.367
 MIN RADIUS: 0.104
 MAX RADIUS: 1.229
 MEAN RADIUS: 0.745
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.003	-0.015
2:	-0.066	0.234
3:	0.688	0.189
4:	0.490	0.455
5:	0.643	-0.848
6:	0.303	-0.543
7:	-0.362	-0.862
8:	-0.648	0.604
9:	-0.839	0.414
10:	-1.028	0.829



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 4

FILE DATE: 09/02/2005

FILE TIME: 11:13

X CENTROID: 0.274

Y CENTROID: -0.240

POA TO CENTROID: 0.364

HORZ SPREAD: 3.146

VERT SPREAD: 3.084

GROUP SPREAD: 3.945

MIN RADIUS: 0.430

MAX RADIUS: 2.652

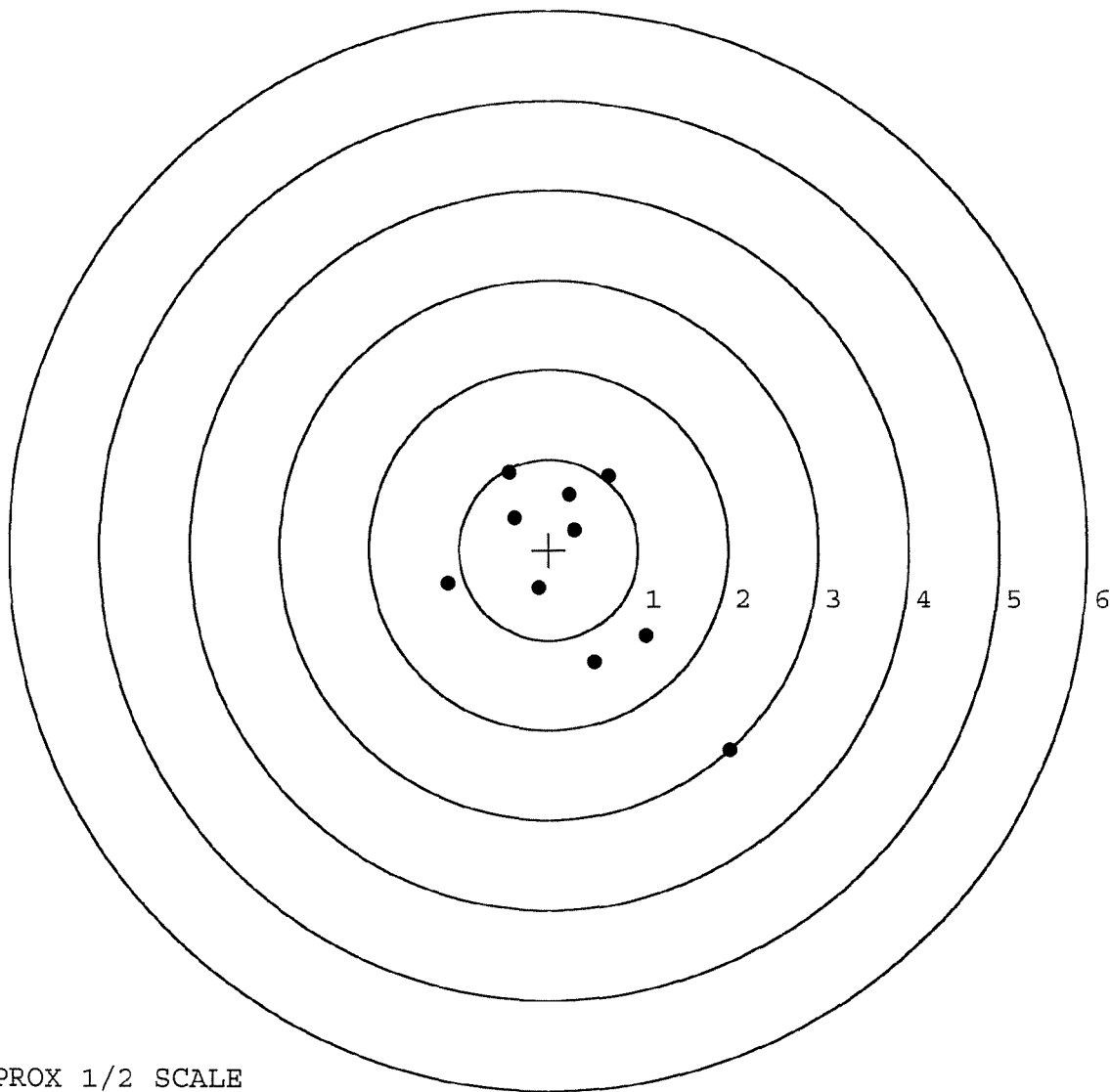
MEAN RADIUS: 1.124

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.087	-0.955
2:	0.513	-1.252
3:	2.019	-2.237
4:	-0.114	-0.426
5:	-1.127	-0.376
6:	0.293	0.215
7:	0.228	0.613
8:	0.672	0.819
9:	-0.441	0.847
10:	-0.391	0.349



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225144. __0

TARGET NUMBER: 5

FILE DATE: 09/02/2005

FILE TIME: 11:13

X CENTROID: 0.066

Y CENTROID: 0.161

POA TO CENTROID: 0.174

HORZ SPREAD: 2.335

VERT SPREAD: 1.913

GROUP SPREAD: 2.532

MIN RADIUS: 0.282

MAX RADIUS: 1.690

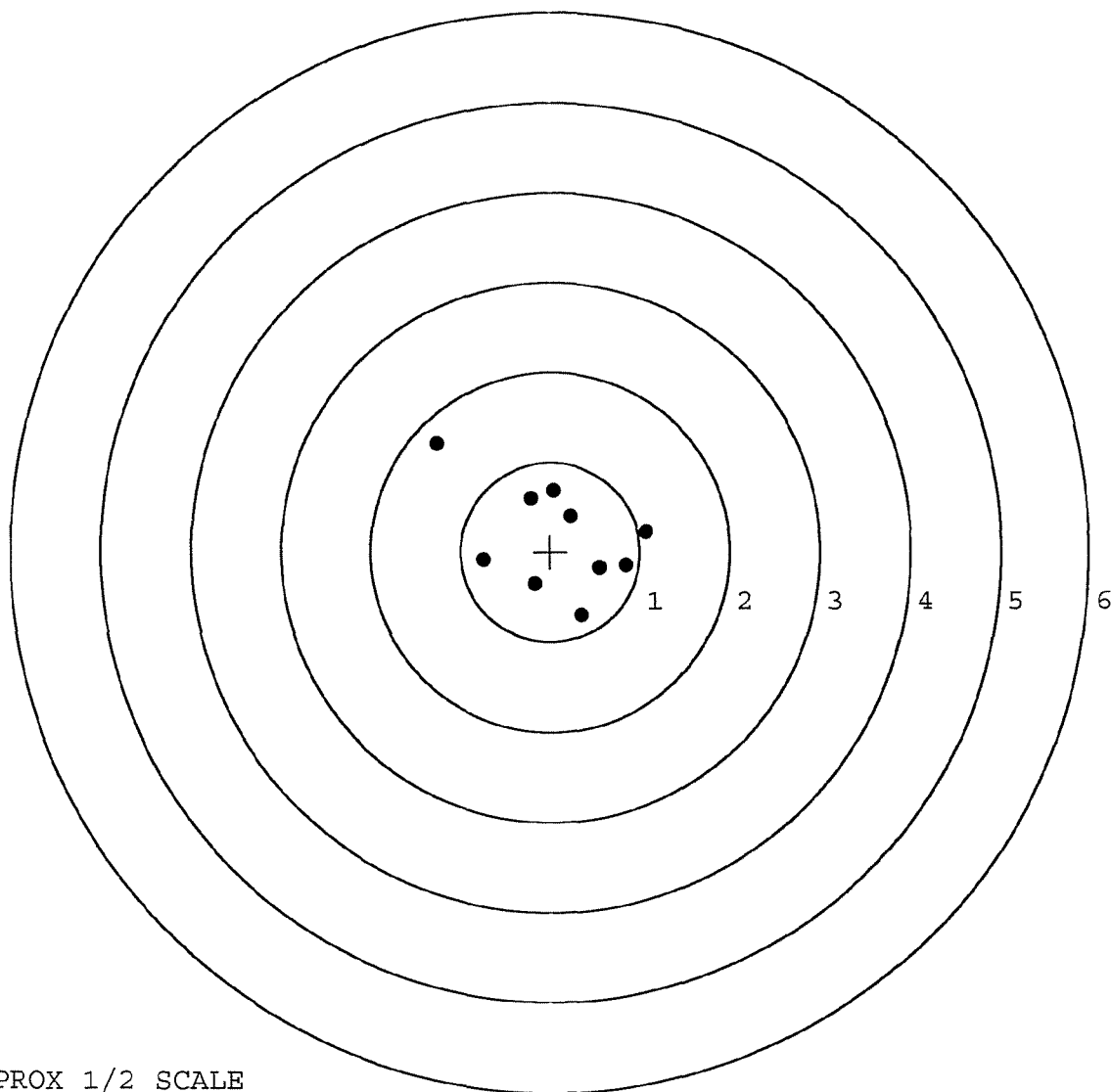
MEAN RADIUS: 0.779

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.071	0.224
2:	0.840	-0.147
3:	0.551	-0.176
4:	0.349	-0.709
5:	-0.180	-0.366
6:	0.224	0.394
7:	0.037	0.682
8:	-0.223	0.595
9:	-1.264	1.204
10:	-0.744	-0.093



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	93006		
SERIAL NUMBER	C6225144		
LOG-IN DATE	2-3-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-17-05	RTZ
560 A	RE-BARREL	8-23-05	RTZ
B	DRILL AND TAP	8-25-05	TRW
575	ASSEMBLE	8-24-05	RTZ
600	PROOF	8-24-05	AC
605	CHECK HEADSPACE	8-24-05	AC
610	DIS-ASSEMBLE GUN	8-25-05	RTZ
612	MAGNAFLUX	8/25/05	WMB
615	ROLLMARK CALIBER	8-25-05	CW
618	ROTO-BLAST	8-26-05	LB
620	APPLY COATINGS	8/29/05	RB
625 A	FINAL ASSEMBLY	9-1-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	9-6-05	AC
D	SAFETY "OFF" FORCE	9-6-05	AC
E	FIRING PIN INDENT	9-6-05	AC
640	TARGET	9-2-05	TRW
655	FINAL INSPECT	9-6-05	AC
660	PACK	9-10-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6225144

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	9 12 88		FB
600	Proof	9 19 88		RW
607	Check Headspace	9 19 88		RW
610	Dis-assemble Gun	9 19 88		RW
612	Magnaflux Barrel Action		9 22 88	p/c.
	Magnaflux Bolt		9 22 88	p/c.
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coating (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/15/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/15/88	RW
	C) Inspect Ejector Hole for Chamfer		11/15/88	RW
	D) Oil Firing Pin Ass'y		11/15/88	RW
	E) Adjust Trigger Pull to Min Setting and Stake		15 NOV 88	JL

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	5	5	5			17 NOV 88	JS
	G) Safety Off Force	3	3	3			17 NOV 88	JS
	H) Trigger Pull Test & Retainability						15 NOV 88	JS
	I) Firing Pin Indent	.0205	.0205	.0205			17 NOV 88	JS
	J) Assemble Stock						11/17/88	RW
	K) Assemble Swivel Studs						6 Dec 88	JS
	L) Attach Front and Rear Sight Assemblies						12/6/88	RW
	M) Iron Sight Alignment						12/6/88	RW
	N) Detach Front & Rear Sights & place in numbered container						12/6/88	RW
	O) Attach Scope to Rifle						11/28/88	WB
	P) Detach & Attach Scope 20 Times						11/29/88	WB
640	Gallery Target & Test	60 R	92 L				12/5/88	D/H
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope						12/5/88	D/H
645	Inspect for Live Ammo						12/5/88	D/H
655	Final Inspection							
	A) Headspace						6 Dec 88	JS
	B) Trigger Pull	252	271	263	240	230	6 Dec 88	JS
	C) Function						6 Dec 88	JS
660	Pack						14 Dec 88	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. C6225144

DATE 15 NOV 88

TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.35	2.20	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.21	2.27	2.71	
PULL #3	2.25	2.22	2.33	2.63	
PULL #4	2.12	2.13	2.26	2.40	
PULL #5	2.33	2.23	2.30	2.30	
TOTAL	11.34	11.14	11.36	12.56	
AVG.	2.268	2.228	2.272	2.502	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.04		
PULL #2	3.03	3.08		
PULL #3	3.07	3.07		
PULL #4	3.07	3.11		
PULL #5	3.16	3.07		
TOTAL	15.56	15.37		
AVG.	3.112	3.074		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.13		4.16
PULL #2	4.13	4.10		4.13
PULL #3	4.13	4.07		4.14
PULL #4	4.15	4.08		4.14
PULL #5	4.11	4.08		4.09
TOTAL	20.73	20.36		20.66
AVG.	4.146	4.072		4.132

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225144

CENTROIDAL DISTANCES

0 TO 1 .44056
1 TO 2 .792758
1 TO 3 .781323
1 TO 4 .464462
1 TO 5 .710043

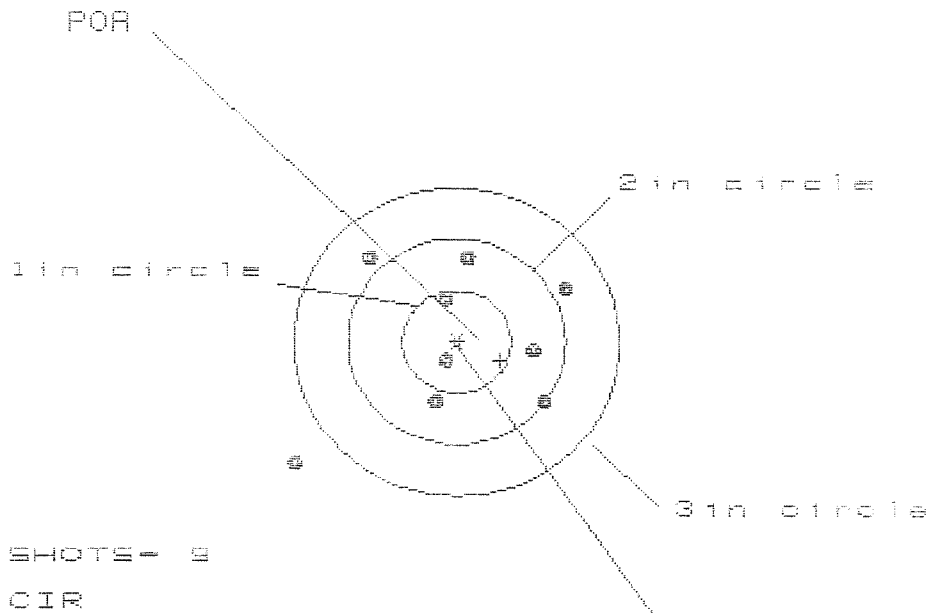
5
3
1 + 4 <----FOR
2

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0638
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .333
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .339057
THE AMR FOR THIS RIFLE IS: .9054

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CENTERFIRE PATTERNS # 1



OF SHOTS- 9

IN CIR

1in = 2

2in = 5

3in = 8

HS= 0.442

VS= 2.071

GS= 3.011

CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	9	8	7
MAXIMUM X	:	.956	.770	.635
MINIMUM X	:	-1.486	-.945	-.554
MAXIMUM Y	:	.869	.718	.750
MINIMUM Y	:	-1.202	-.758	-.656
CENTROID X	:	-.403	-.217	-.082
CENTROID Y	:	.178	.328	.226
POR TO CENTROID in.	:	.441	.394	.240
MIN RADIUS	:	.250	.391	.417
MEAN RADIUS	:	.897	.749	.677
MAX RADIUS	:	1.911	1.187	.843
HORIZONTAL SPREAD	:	2.442	1.715	1.189
VERTICAL SPREAD	:	2.071	1.477	1.406
EXTREME SPREAD	:	3.011	2.169	1.653
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 7

HS= 2.268

VS= 3.621

GS= 3.896

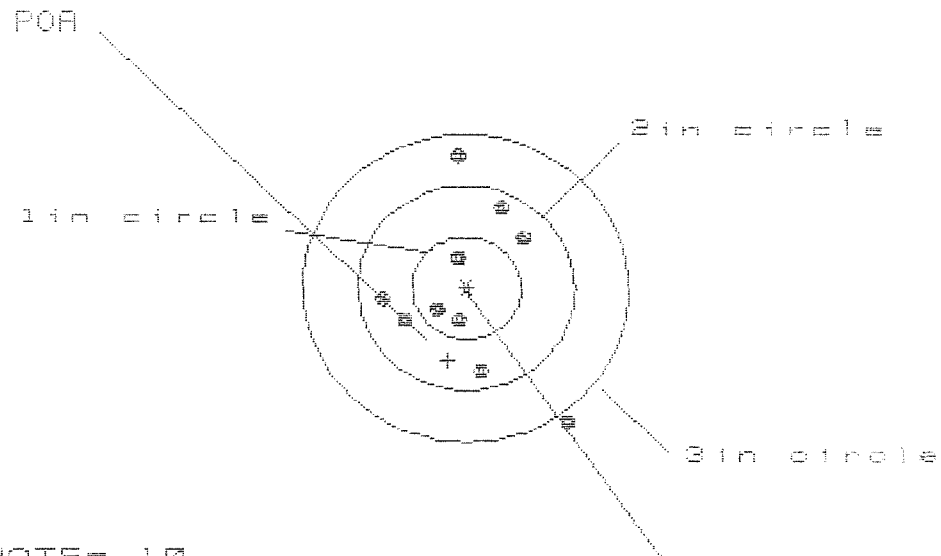
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.427	1.132	1.132
MINIMUM X	:	-.841	-.683	-.683
MAXIMUM Y	:	2.008	1.836	1.189
MINIMUM Y	:	-1.613	-1.785	-1.556
CENTROID X	:	.149	-.009	-.009
CENTROID Y	:	-.391	-.219	-.448
POA TO CENTROID in.	:	.419	.219	.448
MIN RADIUS	:	.576	.648	.455
MEAN RADIUS	:	1.196	1.072	.944
MAX RADIUS	:	2.108	1.836	1.564
HORIZONTAL SPREAD	:	2.268	1.815	1.815
VERTICAL SPREAD	:	3.621	3.621	2.745
EXTREME SPREAD	:	3.896	3.624	2.817
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 1.660

VS= 2.573

GS= 2.728

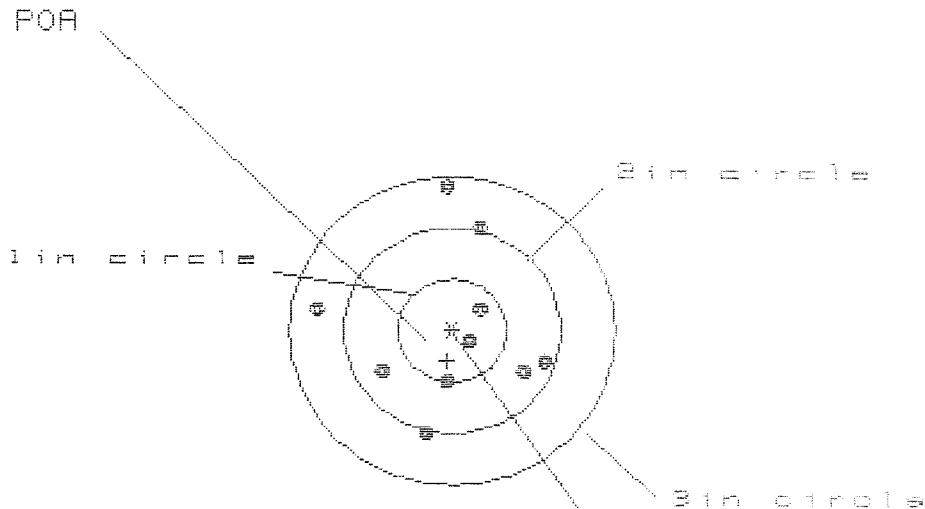
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.879	.579	.588
MINIMUM X	:	-.781	-.684	-.675
MAXIMUM Y	:	1.317	1.177	.824
MINIMUM Y	:	-1.256	-.897	-.750
CENTROID X	:	.172	.075	.066
CENTROID Y	:	.707	.846	.699
POA TO CENTROID in.	:	.727	.849	.702
MIN RADIUS	:	.277	.136	.282
MEAN RADIUS	:	.762	.664	.578
MAX RADIUS	:	1.533	1.179	.917
HORIZONTAL SPREAD	:	1.660	1.263	1.263
VERTICAL SPREAD	:	2.573	2.074	1.574
EXTREME SPREAD	:	2.728	2.082	1.581
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 2.133

VS = 2.392

GS = 2.396

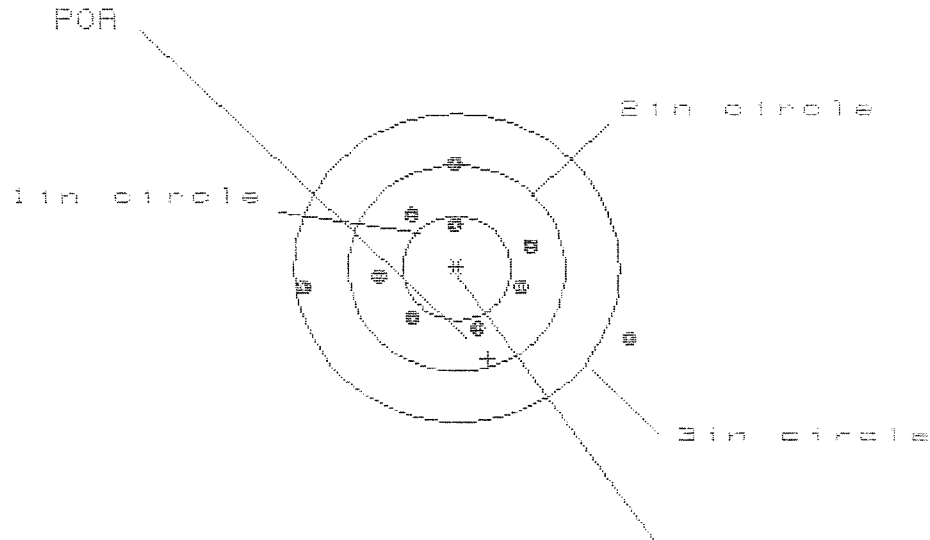
CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.879	.870	.712
MINIMUM X	:	-1.254	-1.263	-.768
MAXIMUM Y	:	1.393	1.153	1.196
MINIMUM Y	:	-.999	-.845	-.882
CENTROID X	:	.047	.056	.214
CENTROID Y	:	.293	.139	.096
POA TO CENTROID in.	:	.297	.150	.234
MIN RADIUS	:	.196	.145	.073
MEAN RADIUS	:	.817	.727	.626
MAX RADIUS	:	1.395	1.308	1.199
HORIZONTAL SPREAD	:	2.133	2.133	1.480
VERTICAL SPREAD	:	2.392	1.993	1.998
EXTREME SPREAD	:	2.396	2.191	2.054
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 8

3 in = 9

HS= 2.991

VS= 1.698

GS= 3.030

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.553	.827	.689
MINIMUM X	:	-1.438	-1.265	-.651
MAXIMUM Y	:	.999	.921	.884
MINIMUM Y	:	-.699	-.662	-.699
CENTROID X	:	-.284	-.457	-.299
CENTROID Y	:	.878	.956	.993
POA TO CENTROID in.	:	.923	1.059	1.037
MIN RADIUS	:	.411	.369	.296
MEAN RADIUS	:	.855	.745	.663
MAX RADIUS	:	1.703	1.299	.885
HORIZONTAL SPREAD	:	2.991	2.092	1.320
VERTICAL SPREAD	:	1.698	1.583	1.583
EXTREME SPREAD	:	3.030	2.136	1.591
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	