

06348724

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



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: RE00144828

Serial: C6348724 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 4/24/2008 10:57:05 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: B/210TH BSB

B/210TH BSB

Address 1: 2 BCT

2 BCT

Address 2: 10 TH MTN DIV

PO Box:

10 TH MTN DIV

PO Box:

City: FORT DRUM

FORT DRUM

State: NY

Zip Code: 13602

Country: US

State: NY

Zip Code: 13602

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
A008	With Swivel	2
A010	Hard Case	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

nagletj

4/24/2008

12:25 PM

CAP

NUM

107

107



Serial Number:

C6348724

Model: M24 SWS



RE00144828

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348724.__0
FILE DATE AND TIME: 05/28/2008 05:41

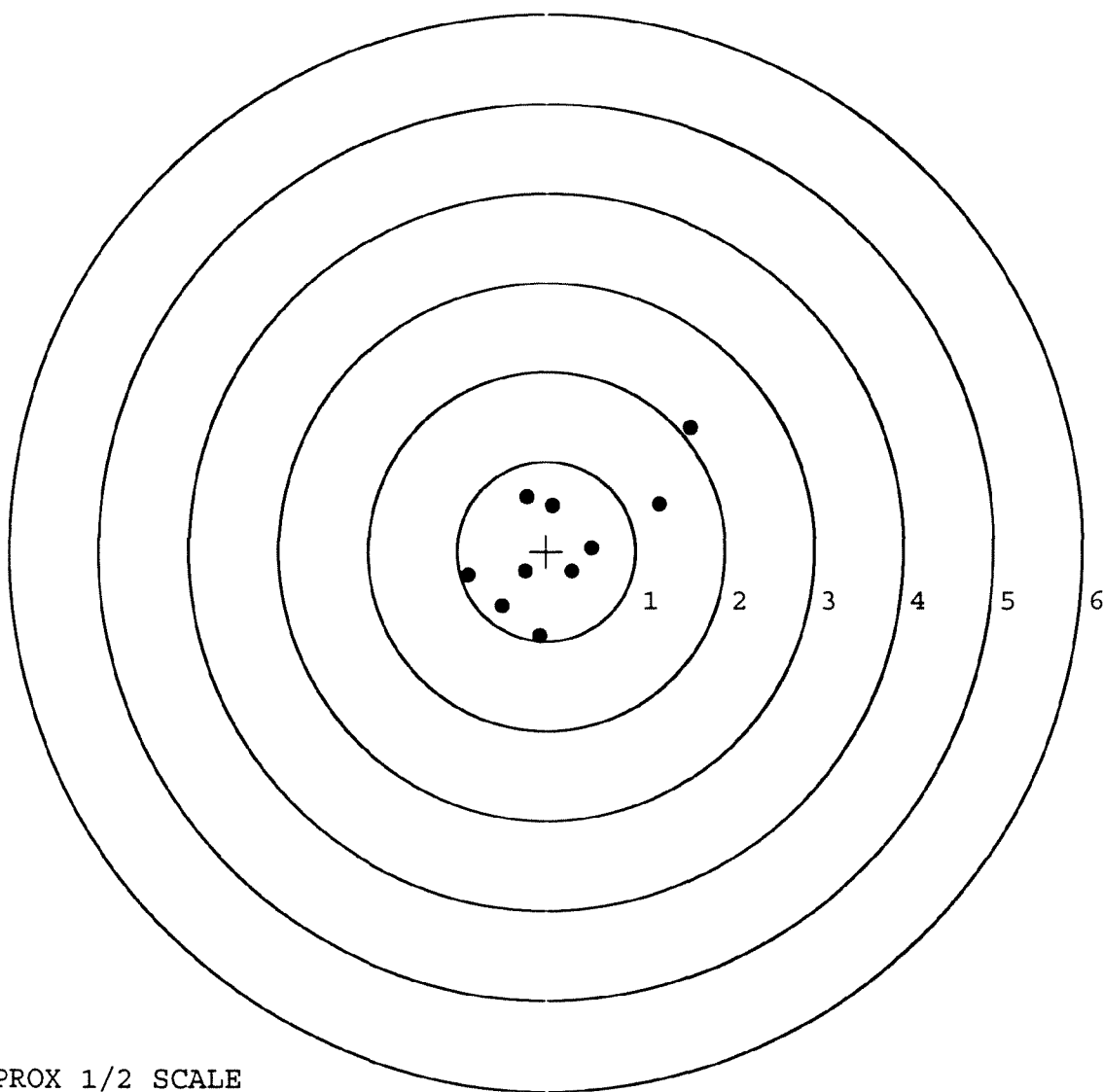
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.063
The Average Y Centroid of the Five Target Set:	0.020
The Average Point of Impact of the Five Target Set:	0.066
The Average Mean Radius of the Five Target Set:	0.735
The Distance from POA to Centroid Target #1:	0.198
The Distance from Centroid Target #2 to Centroid Target #1:	0.207
The Distance from Centroid Target #3 to Centroid Target #1:	0.248
The Distance from Centroid Target #4 to Centroid Target #1:	0.141
The Distance from Centroid Target #5 to Centroid Target #1:	0.092

SERIAL NUMBER: C6348724.___0
TARGET NUMBER: 1
FILE DATE: 05/28/2008
FILE TIME: 05:41

POINT#	X	Y
1:	0.061	0.509
2:	-0.222	0.602
3:	0.511	0.034
4:	0.289	-0.232
5:	-0.079	-0.949
6:	-0.234	-0.232
7:	-0.495	-0.616
8:	-0.874	-0.268
9:	1.258	0.523
10:	1.613	1.377

X CENTROID: 0.183
Y CENTROID: 0.075
POA TO CENTROID: 0.198
HORZ SPREAD: 2.487
VERT SPREAD: 2.326
GROUP SPREAD: 2.982
MIN RADIUS: 0.325
MAX RADIUS: 1.934
MEAN RADIUS: 0.852
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

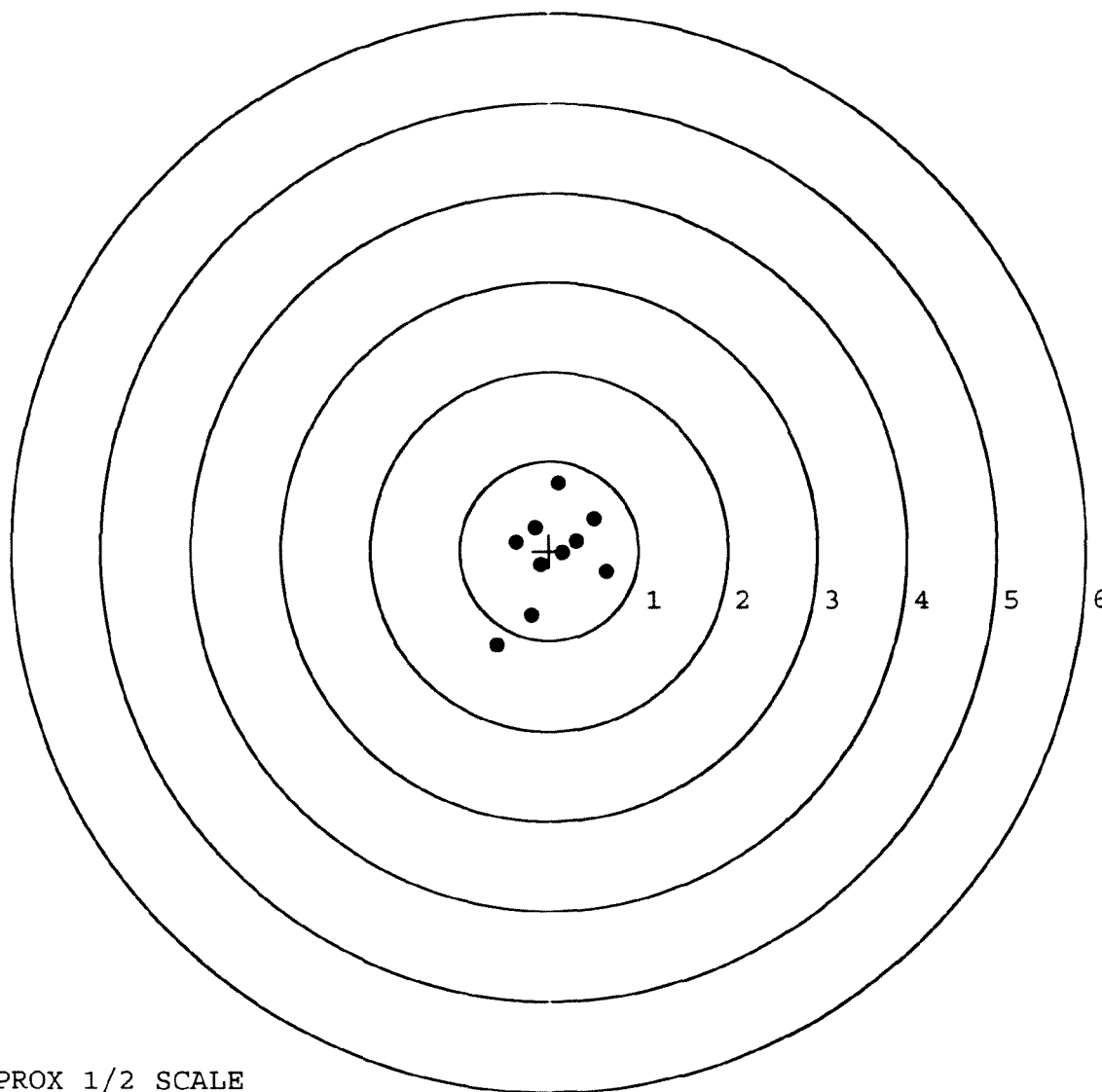


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348724. __0
TARGET NUMBER: 2
FILE DATE: 05/28/2008
FILE TIME: 05:41

POINT#	X	Y
1:	0.645	-0.237
2:	-0.202	-0.724
3:	-0.581	-1.054
4:	0.502	0.354
5:	0.307	0.110
6:	0.101	0.748
7:	-0.164	0.255
8:	-0.367	0.098
9:	-0.095	-0.164
10:	0.153	-0.029

X CENTROID: 0.030
Y CENTROID: -0.064
POA TO CENTROID: 0.071
HORZ SPREAD: 1.226
VERT SPREAD: 1.802
GROUP SPREAD: 1.927
MIN RADIUS: 0.128
MAX RADIUS: 1.163
MEAN RADIUS: 0.536
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

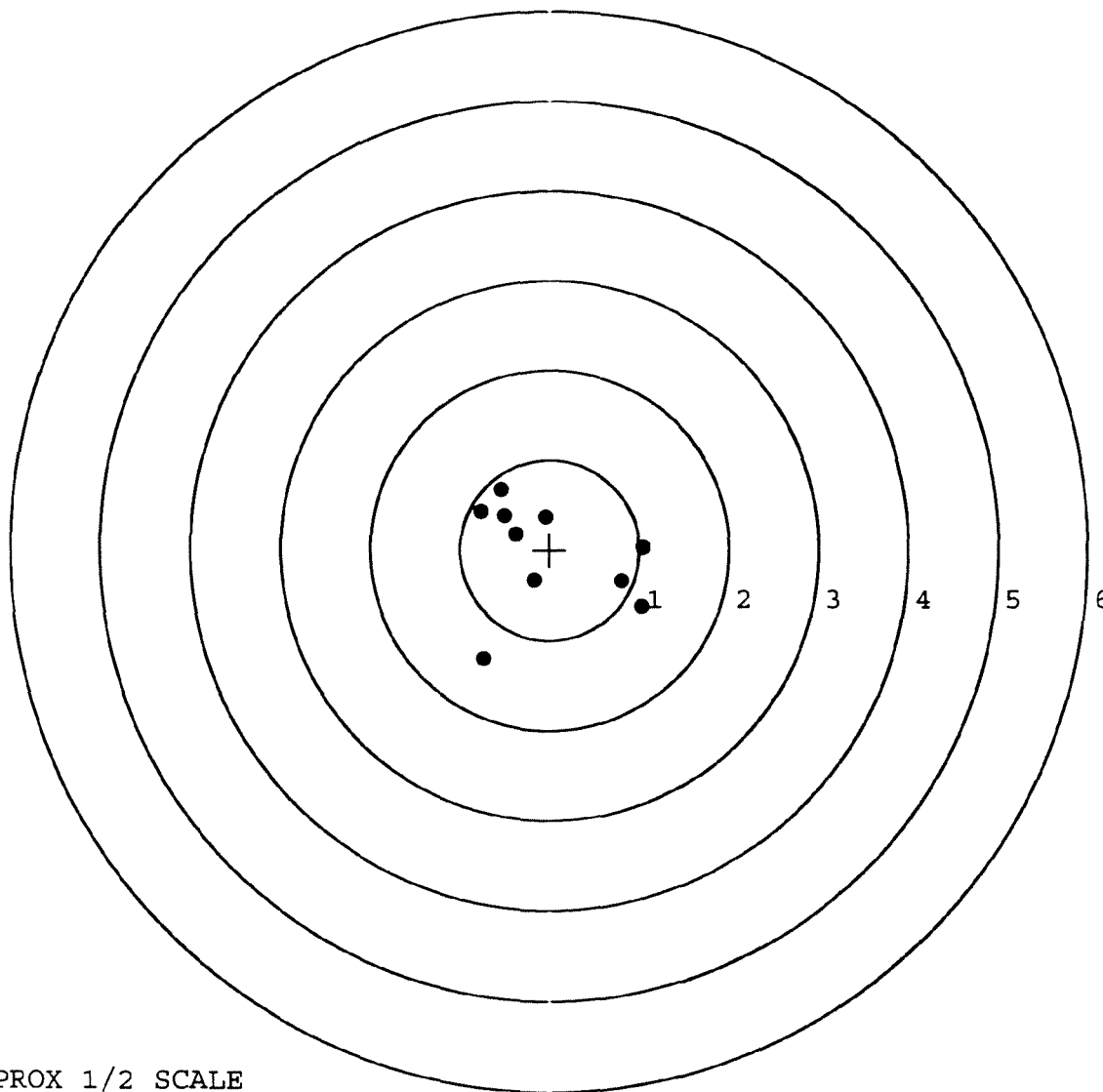


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348724. __0
TARGET NUMBER: 3
FILE DATE: 05/28/2008
FILE TIME: 05:41

X CENTROID: -0.031
Y CENTROID: -0.052
POA TO CENTROID: 0.060
HORZ SPREAD: 1.811
VERT SPREAD: 1.879
GROUP SPREAD: 2.170
MIN RADIUS: 0.329
MAX RADIUS: 1.360
MEAN RADIUS: 0.808
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.020	-0.636
2:	0.804	-0.350
3:	1.040	0.029
4:	-0.177	-0.346
5:	-0.740	-1.212
6:	-0.052	0.361
7:	-0.381	0.170
8:	-0.511	0.376
9:	-0.771	0.425
10:	-0.542	0.667

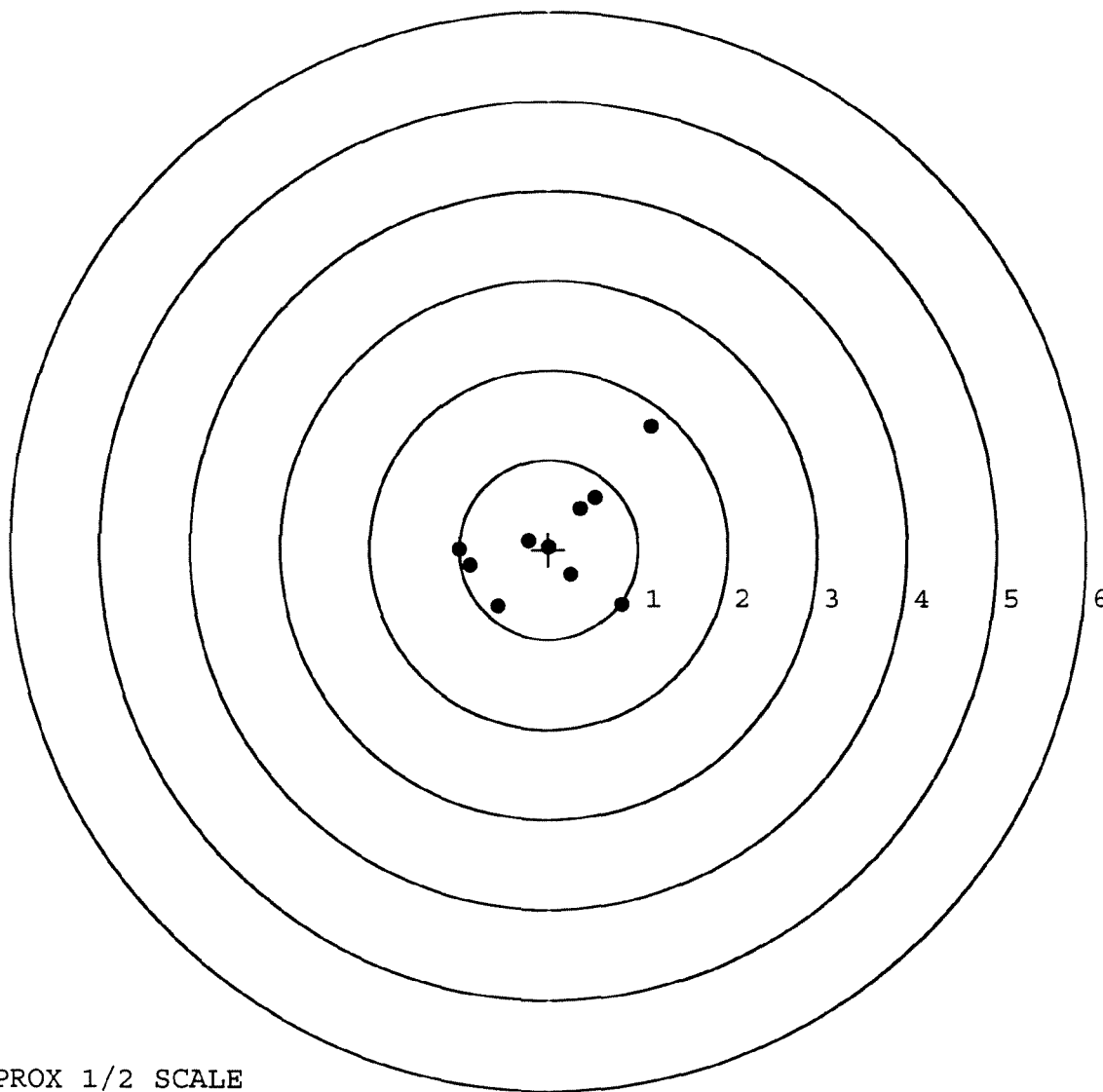


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348724. __0
TARGET NUMBER: 4
FILE DATE: 05/28/2008
FILE TIME: 05:41

POINT#	X	Y
1:	1.144	1.371
2:	0.522	0.567
3:	0.355	0.453
4:	0.818	-0.618
5:	0.250	-0.281
6:	0.000	0.030
7:	-0.223	0.095
8:	-0.567	-0.644
9:	-0.879	-0.181
10:	-0.998	-0.003

X CENTROID: 0.042
Y CENTROID: 0.079
POA TO CENTROID: 0.089
HORZ SPREAD: 2.142
VERT SPREAD: 2.015
GROUP SPREAD: 2.643
MIN RADIUS: 0.065
MAX RADIUS: 1.698
MEAN RADIUS: 0.760
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

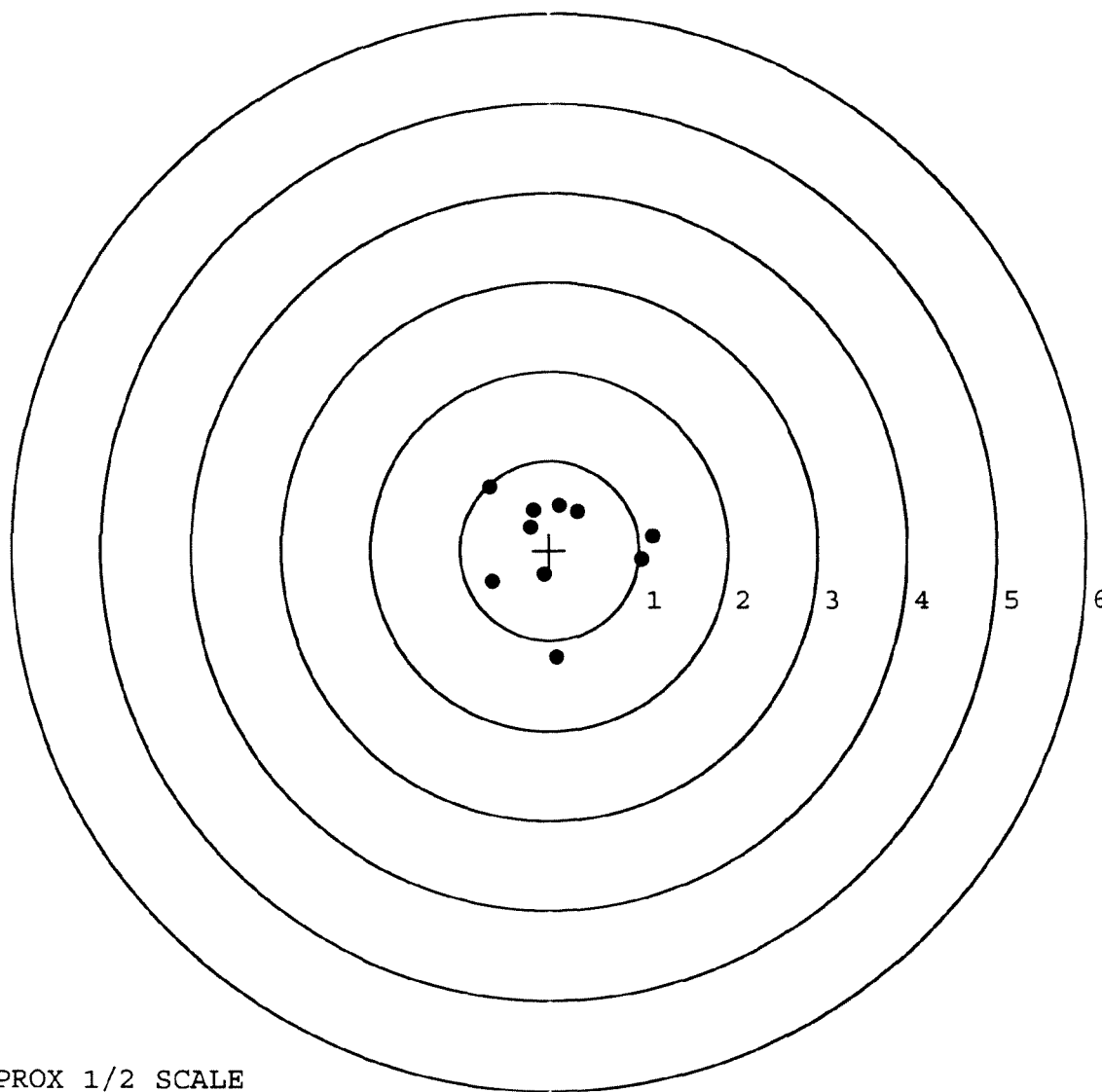


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348724. __0
TARGET NUMBER: 5
FILE DATE: 05/28/2008
FILE TIME: 05:41

POINT#	X	Y
1:	1.151	0.154
2:	1.027	-0.106
3:	0.086	-1.188
4:	-0.064	-0.267
5:	-0.641	-0.351
6:	0.318	0.435
7:	0.107	0.504
8:	-0.182	0.451
9:	-0.219	0.258
10:	-0.668	0.712

X CENTROID: 0.092
Y CENTROID: 0.060
POA TO CENTROID: 0.110
HORZ SPREAD: 1.819
VERT SPREAD: 1.900
GROUP SPREAD: 2.044
MIN RADIUS: 0.362
MAX RADIUS: 1.248
MEAN RADIUS: 0.719
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 00144828

SERIAL NUMBER C 6348724

LOG-IN DATE 4-24-08

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		4-28-08	R.P.D.
505	RE-BARREL			
560	ASSEMBLE		4-30-08	TRW
600	PROOF	MAGNA - FLUX	4-30-08	TRW
605	CHECK HEADSPACE	MAY 01 2008	4-30-08	TRW
610	DIS-ASSEMBLE GUN		4-30-08	R.P.D.
612	MAGNAFLUX	OPERATOR <u>mmms</u>	5/1/08	<u>mmms</u>
510	DRILL AND TAP		5-1-08	TRW
615	ROLLMARK CALIBER		5-1-08	CW
618	ROTO-BLAST		5-1-08	DS
620	APPLY COATINGS		5-5-08	<u>DS</u>
625	FINAL ASSEMBLY		5-27-08	RIZ
640	FUNCTION TEST AND	(PASS) FAIL	5-27-08	RP
650	TARGET	(PASS) FAIL	5-27-08	RP
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		5-27-08	SD
	A) HEADSPACE	(PASS) FAIL	5/28/08	FM
			5/28/08	FM
	B) TRIGGER PULL	4-5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.58 2.50 2.49 2.52 2.50	5/28/08 FM
	C) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6- 6- 6-	5/28/08 FM
	D) SAFETY OFF FORCE	2 LBS MIN	3- 3- 3-	5/28/08 FM
	E) FIRING PIN INDENT	.020	.024 .024 .024	5/28/08 FM
690	PACK		5/29/08	FM

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)

SERIAL NO. _____

DATE 4-19-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.84	2.68		2.46	
PULL #2	2.64	2.79		2.51	
PULL #3	2.68	2.51		2.50	
PULL #4	2.74	2.36		2.60	
PULL #5	2.74	2.57		2.53	
TOTAL	13.64	12.91		12.60	
AVERAGE	2.72	2.58		2.52	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.13	3.40		
PULL #2	3.23	3.47		
PULL #3	3.30	3.46		
PULL #4	3.32	3.46		
PULL #5	3.33	3.44		
TOTAL	16.31	17.23		
AVERAGE	3.26	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	4.49	4.35		4.06
PULL #2	4.44	4.26		4.05
PULL #3	4.51	4.00		4.08
PULL #4	4.49	4.32		4.08
PULL #5	4.49	4.27		4.08
TOTAL	22.42	21.20		20.35
AVERAGE	4.48	4.24		4.07

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348724.__0
FILE DATE AND TIME: 04/21/2005 06:53

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.080
The Average Y Centroid of the Five Target Set:	-0.112
The Average Point of Impact of the Five Target Set:	0.138
The Average Mean Radius of the Five Target Set:	0.995
The Distance from POA to Centroid Target #1:	0.475
The Distance from Centroid Target #2 to Centroid Target #1:	0.562
The Distance from Centroid Target #3 to Centroid Target #1:	0.529
The Distance from Centroid Target #4 to Centroid Target #1:	0.544
The Distance from Centroid Target #5 to Centroid Target #1:	0.664

SERIAL NUMBER: C6348724. __0

TARGET NUMBER: 1

FILE DATE: 04/21/2005

FILE TIME: 06:53

X CENTROID: 0.475

Y CENTROID: -0.015

POA TO CENTROID: 0.475

HORZ SPREAD: 2.344

VERT SPREAD: 1.967

GROUP SPREAD: 2.764

MIN RADIUS: 0.516

MAX RADIUS: 1.443

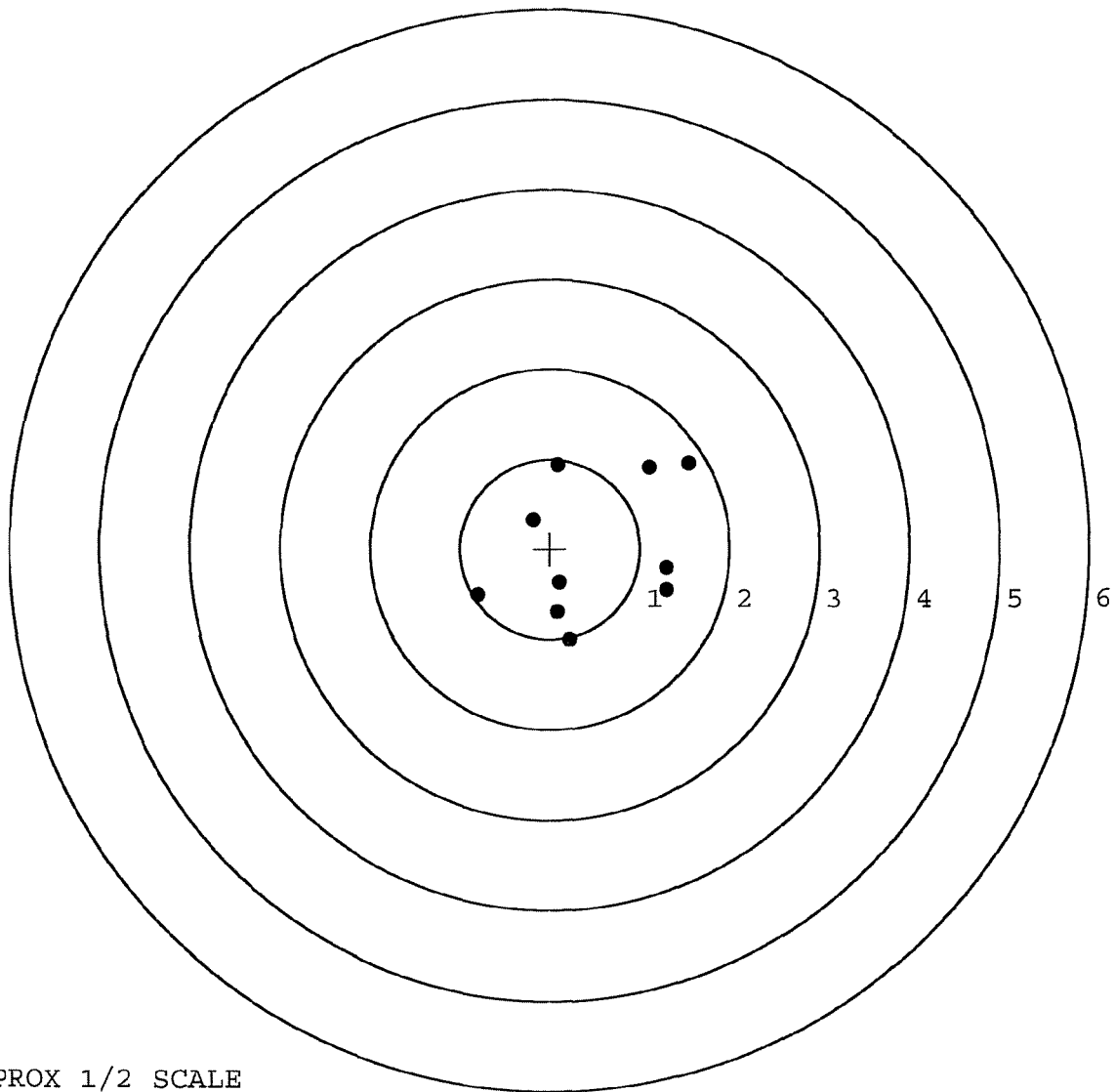
MEAN RADIUS: 0.981

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.188	0.324
2:	-0.802	-0.508
3:	0.089	0.935
4:	1.100	0.908
5:	1.542	0.956
6:	1.297	-0.218
7:	1.299	-0.462
8:	0.107	-0.377
9:	0.084	-0.701
10:	0.223	-1.011



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348724. __0

TARGET NUMBER: 2

FILE DATE: 04/21/2005

FILE TIME: 06:53

POINT#	X	Y
1:	1.098	0.198
2:	0.838	0.225
3:	0.243	-0.340
4:	-0.028	0.260
5:	-0.147	0.659
6:	0.895	0.803
7:	-0.970	-0.490
8:	-0.710	-1.115
9:	-1.226	-1.470
10:	-0.077	-1.748

X CENTROID: -0.008

Y CENTROID: -0.302

POA TO CENTROID: 0.302

HORZ SPREAD: 2.324

VERT SPREAD: 2.551

GROUP SPREAD: 3.109

MIN RADIUS: 0.254

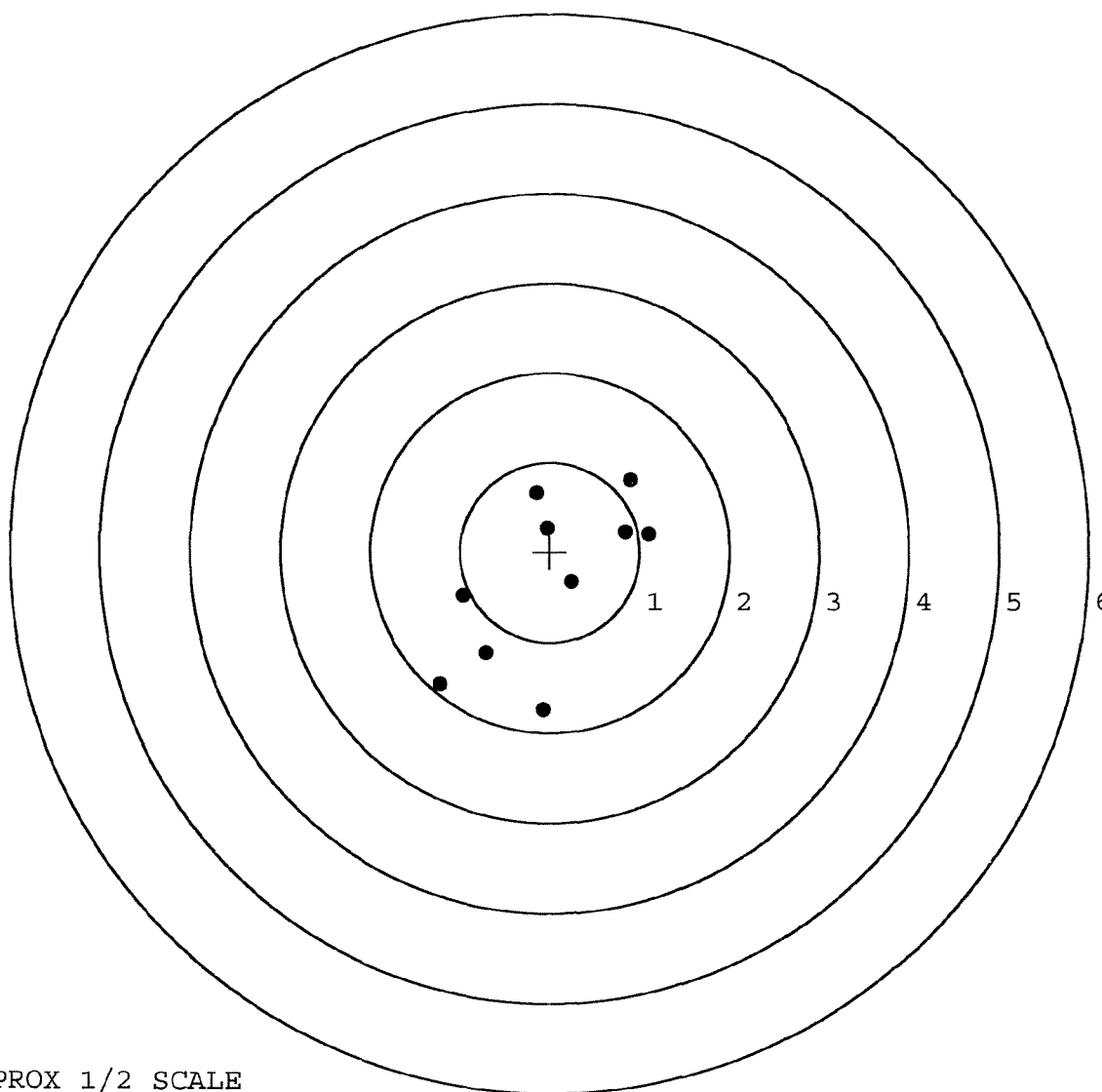
MAX RADIUS: 1.687

MEAN RADIUS: 1.061

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

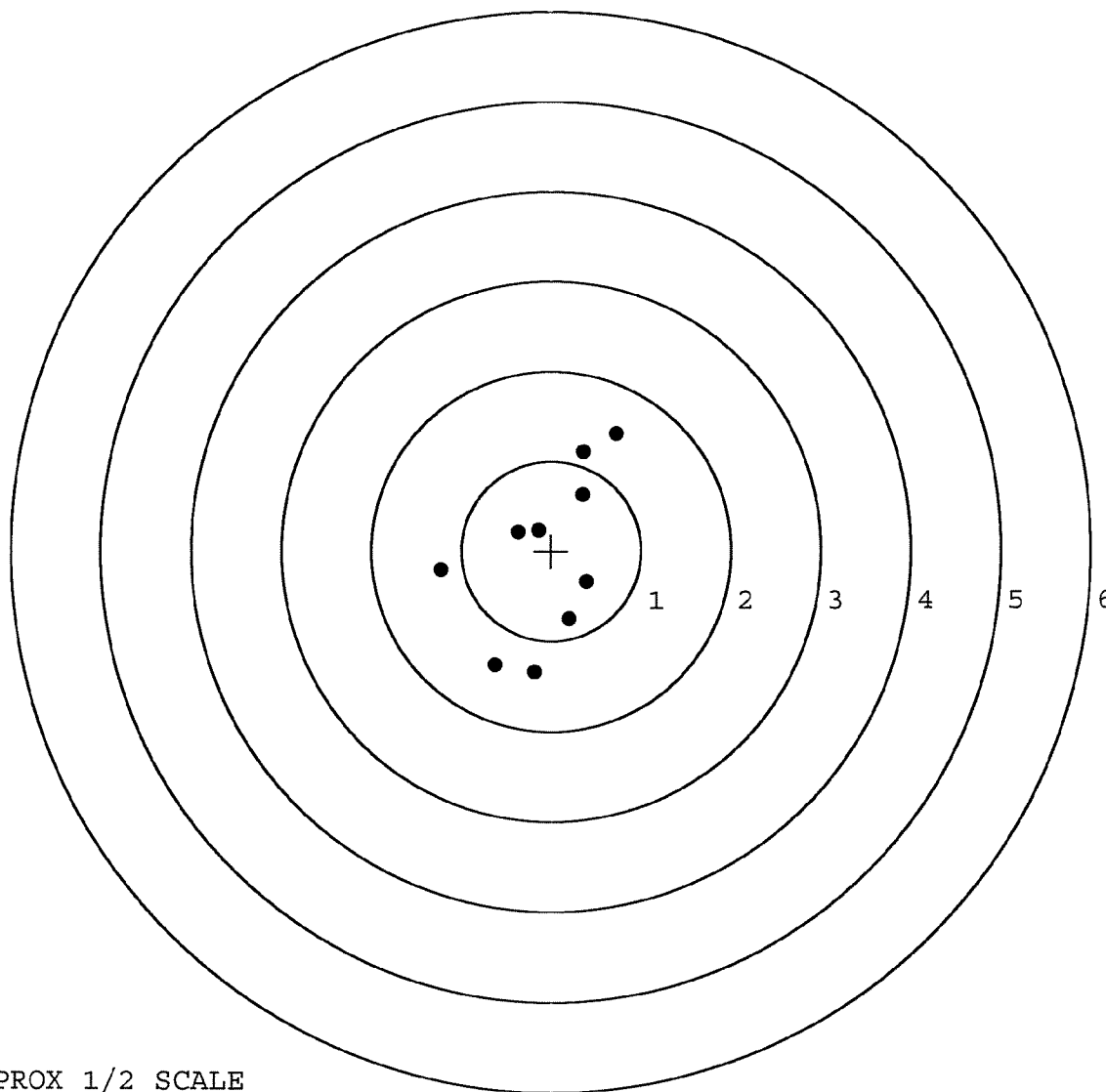


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348724. __0
TARGET NUMBER: 3
FILE DATE: 04/21/2005
FILE TIME: 06:53

POINT#	X	Y
1:	-0.192	-1.351
2:	-0.631	-1.270
3:	0.205	-0.765
4:	0.397	-0.348
5:	-0.143	0.229
6:	-0.373	0.213
7:	-1.228	-0.219
8:	0.356	0.624
9:	0.361	1.101
10:	0.723	1.305

X CENTROID: -0.053
Y CENTROID: -0.048
POA TO CENTROID: 0.071
HORZ SPREAD: 1.951
VERT SPREAD: 2.656
GROUP SPREAD: 2.909
MIN RADIUS: 0.292
MAX RADIUS: 1.560
MEAN RADIUS: 0.942
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

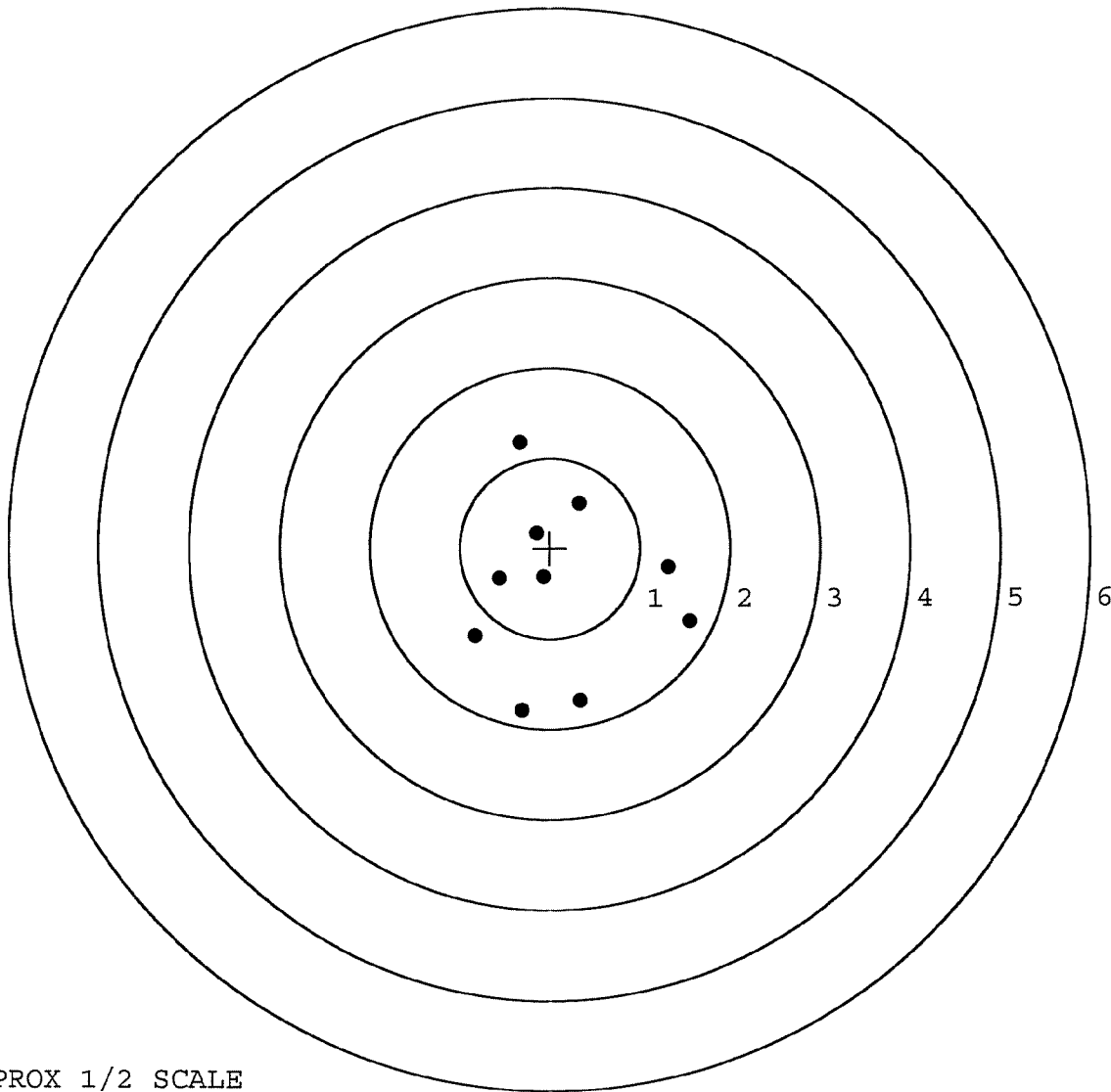


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348724. __0
TARGET NUMBER: 4
FILE DATE: 04/21/2005
FILE TIME: 06:53

X CENTROID: 0.124
Y CENTROID: -0.431
POA TO CENTROID: 0.448
HORZ SPREAD: 2.386
VERT SPREAD: 2.973
GROUP SPREAD: 2.973
MIN RADIUS: 0.229
MAX RADIUS: 1.672
MEAN RADIUS: 1.070
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.548	-0.810
2:	1.311	-0.214
3:	0.338	-1.690
4:	-0.319	-1.797
5:	-0.838	-0.972
6:	-0.561	-0.339
7:	-0.077	-0.321
8:	-0.152	0.161
9:	0.332	0.499
10:	-0.337	1.176

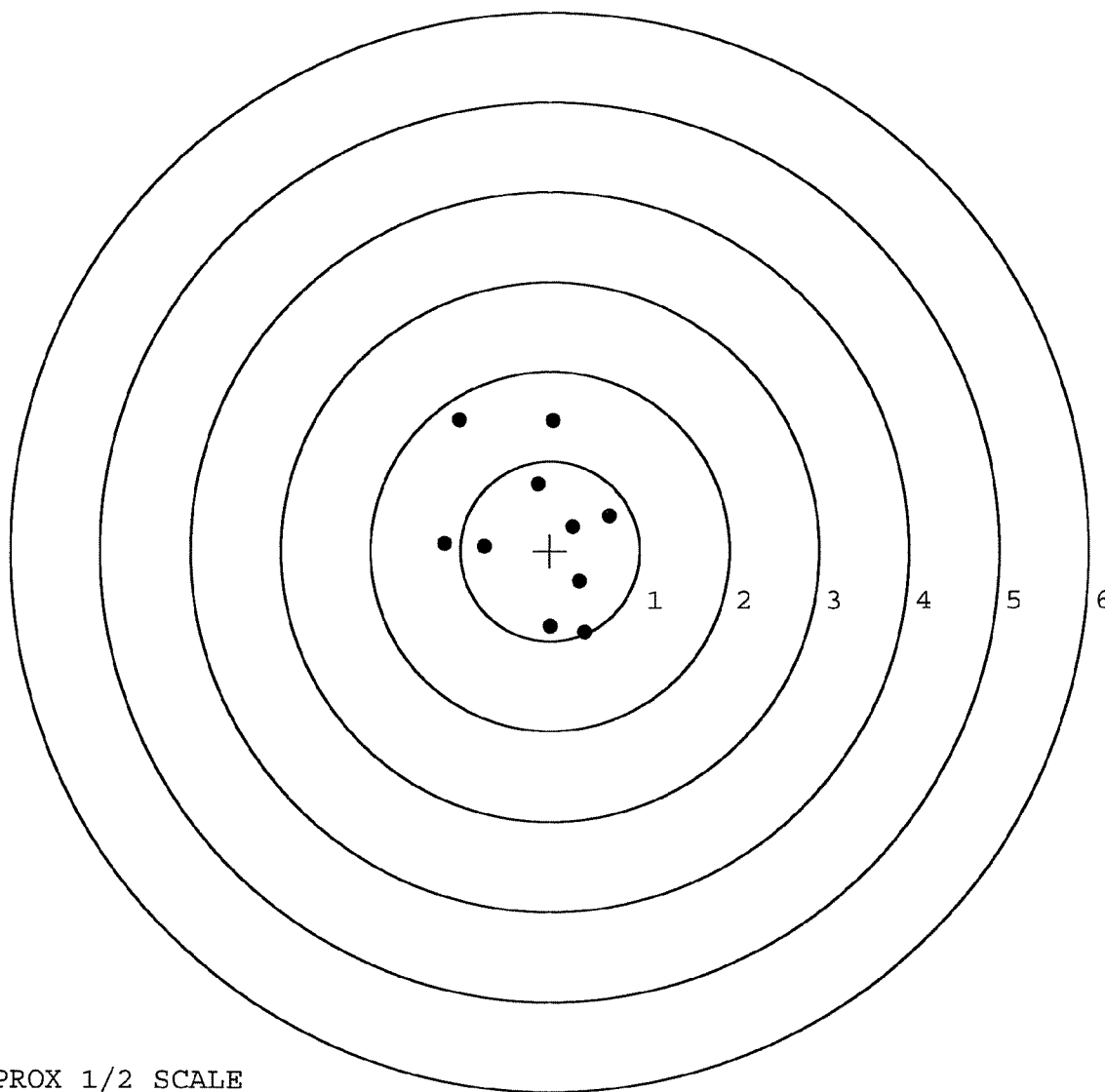


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348724. __0
TARGET NUMBER: 5
FILE DATE: 04/21/2005
FILE TIME: 06:53

POINT#	X	Y
1:	0.391	-0.913
2:	-0.006	-0.844
3:	0.328	-0.342
4:	0.257	0.268
5:	0.664	0.393
6:	-0.140	0.745
7:	0.035	1.452
8:	-1.013	1.457
9:	-0.737	0.049
10:	-1.174	0.081

X CENTROID: -0.139
Y CENTROID: 0.235
POA TO CENTROID: 0.273
HORZ SPREAD: 1.838
VERT SPREAD: 2.370
GROUP SPREAD: 2.755
MIN RADIUS: 0.398
MAX RADIUS: 1.502
MEAN RADIUS: 0.922
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92564		
SERIAL NUMBER	C6348724		
LOG-IN DATE	2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-15-05	RTZ
560 A	RE-BARREL	3-17-05	RTZ
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTZ
600	PROOF	3-21-05	AC
605	CHECK HEADSPACE	3-21-05	AC
610	DIS-ASSEMBLE GUN	3-21-05	RTZ
612	MAGNAFLUX	3-21-05	AC
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3/29	SW
620	APPLY COATINGS	4/5	HP
625 A	FINAL ASSEMBLY	4-20-05	RTZ
B	TRIGGER PULL TEST	4-22-05	TRW
C	SAFETY "ON" FORCE	4-22-05	AC
D	SAFETY "OFF" FORCE	4-22-05	AC
E	FIRING PIN INDENT	4-22-05	AC
640	TARGET	4-21-05	AC
655	FINAL INSPECT	4-22-05	AC
660	PACK	4-23-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348724

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	A
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action	10/31/89		KCR
	Magnaflux Bolt	10/31/89		KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11-9-89	A
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-9-89	A
	C) Inspect Ejector Hole for Chamfer		11-9-89	A
	D) Oil Firing Pin Ass'y		11-9-89	A
	E) Adjust Trigger Pull to Min Setting and Stake		11/15/89	928

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	4	4	16 Nov 89	JS
	G) Safety Off Force	3	3	3	16 Nov 89	JS
	H) Trigger Pull Test & Retainability				16 Nov 89	JS
	I) Firing Pin Indent	.023	.023	.023	16 Nov 89	JS
	J) Assemble Stock				11-29-89	AC
	K) Assemble Swivel Studs				10 Dec 89	JS
	L) Attach Front and Rear Sight Assemblies				11-27-89	AC
	M) Iron Sight Alignment				11-29-89	K
	N) Detach Front & Rear Sights & place in numbered container				11-29-89	AC
	O) Attach Scope to Rifle				29 Nov 89	JS
	P) Detach & Attach Scope 20 Times				29 Nov 89	JS
640	Gallery Target & Test				12-5-89	DH
	A) Time				12-5-89	DH
	B) Malfunctions				12-5-89	DH
	C) Pierced Primers				12-5-89	DH
	D) Optical Clarity of Scope				12-5-89	DH
645	Inspect for Live Ammo				12-5-89	DH
655	Final Inspection					
	A) Headspace				6 Dec 89	JS
	B) Trigger Pull	2.28	2.30	2.19	6 Dec 89	JS
	C) Function				6 Dec 89	JS
660	Pack				15 Dec 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 8724 C6348724

DATE 3-10-90

TESTER 921

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.15	2.39	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.18	2.39	2.47	
PULL #3	2.54	2.36	2.48	
PULL #4	2.42	2.42	2.43	
PULL #5	2.41	2.41	2.49	
TOTAL	11.70	11.97	12.42	
AVG.	2.34	2.394	2.484	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.20	3.21	
PULL #2	3.21	3.26	
PULL #3	3.24	3.24	
PULL #4	3.24	3.17	
PULL #5	3.25	3.21	
TOTAL	16.14	16.09	
AVG.	3.228	3.218	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.09	4.28		4.35
PULL #2	4.26	4.29		4.28
PULL #3	4.24	4.28		4.35
PULL #4	4.20	4.26		4.32
PULL #5	4.20	4.22		4.32
TOTAL	20.99	21.33		21.62
AVG.	4.198	4.266		4.324

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348724
5 Dec 1989

CENTROIDAL DISTANCES

0 TO 1	.079404
1 TO 2	.199542
1 TO 3	.501511
1 TO 4	.306413
1 TO 5	.44438

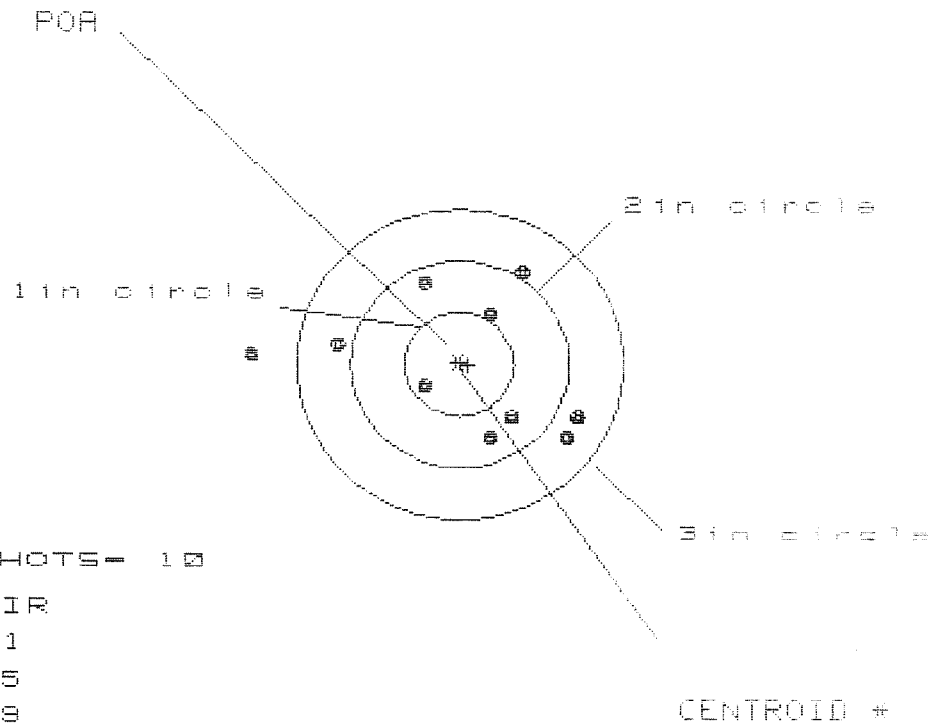
5 #3 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0088
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0316
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0328024
THE AMR FOR THIS RIFLE IS: .9744

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CENTERFIRE PATTERNS # 1

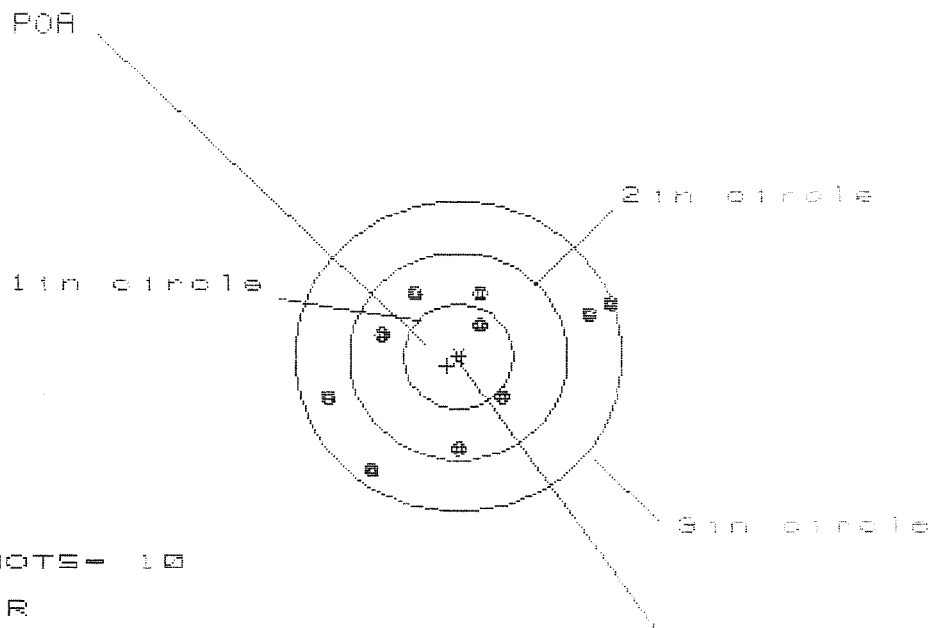


PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.069	.857	.954
MINIMUM X	:	-1.909	-1.334	-1.237
MAXIMUM Y	:	.861	.873	.789
MINIMUM Y	:	-.682	-.670	-.732
CENTROID X	:	-.079	.133	.036
CENTROID Y	:	.008	-.004	.080
POA TO CENTROID in.	:	.079	.133	.087
MIN RADIUS	:	.366	.475	.432
MEAN RADIUS	:	.965	.834	.808
MAX RADIUS	:	1.912	1.351	1.243
HORIZONTAL SPREAD	:	2.978	2.191	2.191
VERTICAL SPREAD	:	1.543	1.543	1.521
EXTREME SPREAD	:	3.035	2.294	2.294
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.608

VS= 1.737

GS= 2.771

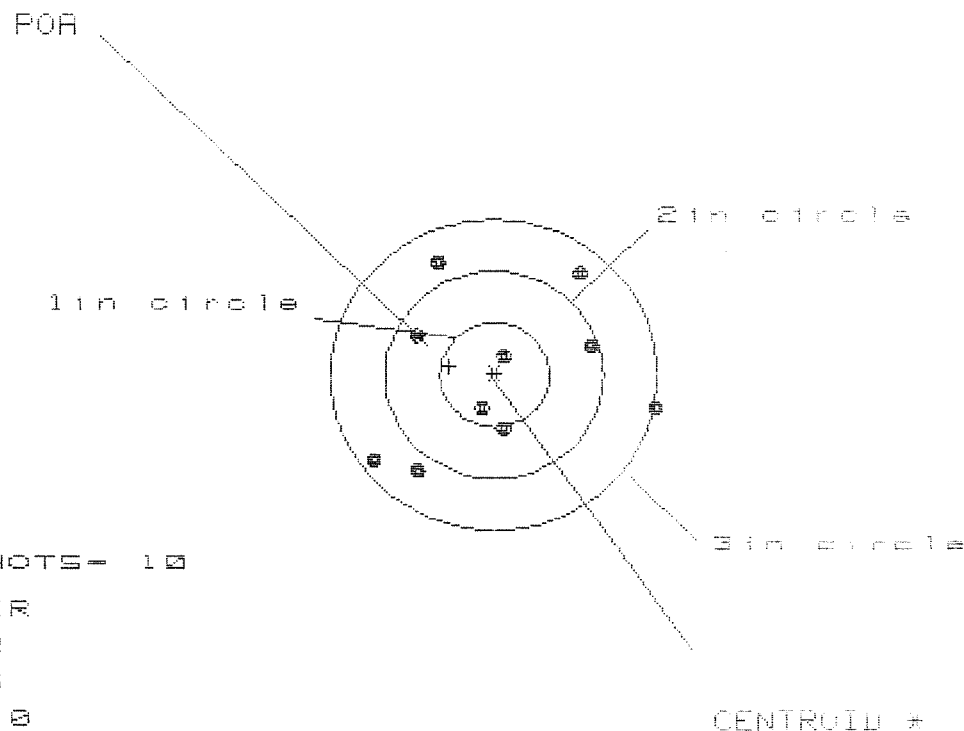
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.369	1.356	1.269
MINIMUM X	:	-1.239	-1.087	-1.174
MAXIMUM Y	:	.648	.705	.576
MINIMUM Y	:	-1.089	-1.032	-.928
CENTROID X	:	.102	-.050	.037
CENTROID Y	:	.092	.035	.164
POR TO CENTROID in.	:	.137	.061	.158
MIN RADIUS	:	.377	.504	.349
MEAN RADIUS	:	.940	.881	.812
MAX RADIUS	:	1.461	1.449	1.326
HORIZONTAL SPREAD	:	2.608	2.443	2.443
VERTICAL SPREAD	:	1.737	1.737	1.504
EXTREME SPREAD	:	2.771	2.597	2.597
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.520

VS= 1.963

GS= 2.584

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.438	1.042	.927
MINIMUM X	:	-1.082	-.922	-.713
MAXIMUM Y	:	1.092	1.055	.954
MINIMUM Y	:	-.871	-.908	-1.009
CENTROID X	:	.414	.254	.369
CENTROID Y	:	-.084	-.047	.054
POA TO CENTROID in.	:	.422	.258	.373
MIN RADIUS	:	.167	.252	.108
MEAN RADIUS	:	.923	.860	.804
MAX RADIUS	:	1.477	1.359	1.210
HORIZONTAL SPREAD	:	2.520	1.964	1.640
VERTICAL SPREAD	:	1.963	1.963	1.963
EXTREME SPREAD	:	2.584	2.584	2.407
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.288

VS= 3.045

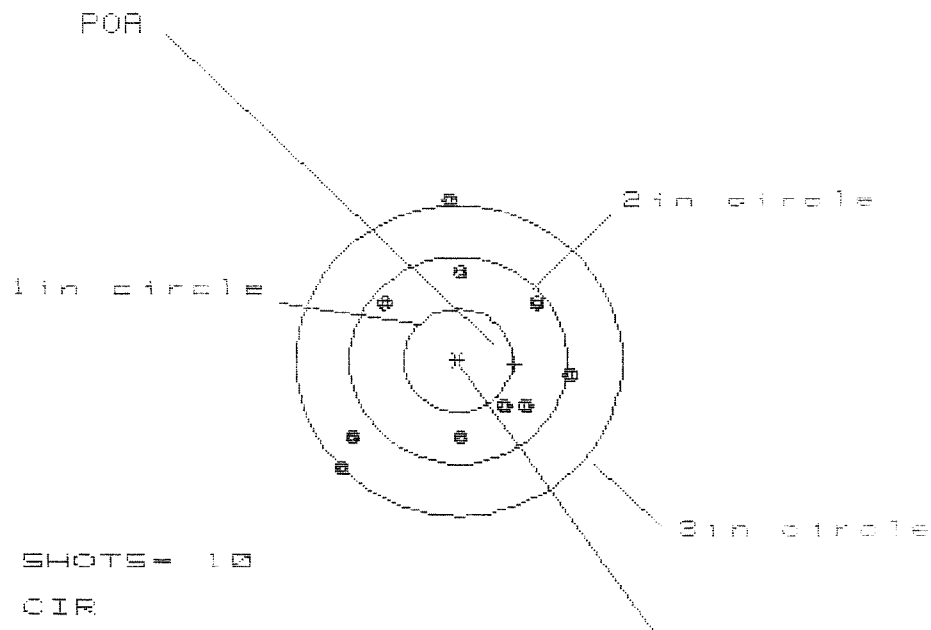
GS= 3.259

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.356	1.477	.976
MINIMUM X	:	-.932	-.811	-.627
MAXIMUM Y	:	1.053	.832	.867
MINIMUM Y	:	-1.992	-.881	-.986
CENTROID X	:	.129	.008	-.176
CENTROID Y	:	-.217	.004	.029
POA TO CENTROID in.	:	.252	.009	.179
MIN RADIUS	:	.338	.531	.347
MEAN RADIUS	:	1.042	.869	.749
MAX RADIUS	:	2.267	1.490	1.267
HORIZONTAL SPREAD	:	2.288	2.288	1.683
VERTICAL SPREAD	:	3.045	1.713	1.713
EXTREME SPREAD	:	3.259	2.336	2.197
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 8

HS= 2.117

VS= 2.579

GS= 2.787

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.991
MINIMUM X	-1.126
MAXIMUM Y	1.571
MINIMUM Y	-1.008
CENTROID X	-.522
CENTROID Y	.043
POA TO CENTROID in.	.524
MIN RADIUS	.630
MEAN RADIUS	1.002
MAX RADIUS	1.573
HORIZONTAL SPREAD	2.117
VERTICAL SPREAD	2.579
EXTREME SPREAD	2.787
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	8

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