

06348714

MODEL 700™ N24

Model **SMS**™

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: RE00151503

Serial: C6348714 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/13/1989

Repairman:

Verify Repair

Status:

Closed 9/20/2008 6:26:50 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: 2-281N

2-281N

Address 1: CMR 415

CMR 415

Address 2:

PO Box:

PO Box:

City: APO

APO

State: AE

Zip Code: 09114

Country: IT

State: AE

Zip Code: 09114

Country: IT

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
A010	Hard Case	1
A017	Scope Base	1
A057	Fit Sgt Base	1
D000	SCOPE A-2	1

Repair Search

Refresh

Close

naglel

9/22/2008

9:19 AM

CAPS

NUM

INS

SCRL



9:19 AM

Serial Number:

C6348714

Model M24 SWS



RE00151503

14-24 INSPECTION CHECKLIST
CONTRACT #: DAAF-20-02-C-0146

CASE NUMBER 151503
 SERIAL NUMBER C6348714
 LOGIN DATE 9-20-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-25-08	RTZ
505	RE-BARREL	9-30-08	RTZ
560	ASSEMBLE	9-30-08	RTZ
600	PROOF	10-2-08	SPD
605	CHECK HEADSPACE	10-2-08	SPD
610	DIS-ASSEMBLE GUN	10-2-08	SPD
612	MAGNAFLUX	10-1-08	RTZ
510	DRILL AND TAP	10-6-08	SP
615	ROLLMARK CALIBER	10/8/08	RT
618	ROTO-BLAST		
620	APPLY COATINGS	10/11	
625	FINAL ASSEMBLY	10-13-08	RTZ
640	FUNCTION TEST AND	11-15-08	TC
650	TARGET	10-14-08	TC
	MALFUNCTION <i>BAC</i>	10-15-08	TC
	MALFUNCTION		
	MALFUNCTION		
	MALFUNCTION		
670	FINAL INSPECTION	10-14-08	RTZ
	A) HEADSPACE	10-20-08	RTZ
	B) TRIGGER PULL MIN 2.50 LBS MAX 4.0 LBS	2.56 2.67 2.58 2.52 2.67	10-17-08 TC
	F) SAFETY ON FORCE	2.5 3.0 3.5	10-20-08 SPD
	G) SAFETY OFF FORCE	3.5 3.5 4.0	10-20-08 SPD
	I) FIRING PIN INDENT	.020 .020 .020	10-20-08 SPD
690	PACK		10/20/08 Fry

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348714.___0

FILE DATE AND TIME: 10/15/2008 06:52

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.214
The Average Y Centroid of the Five Target Set:	-0.084
The Average Point of Impact of the Five Target Set:	0.230
The Average Mean Radius of the Five Target Set:	0.612
The Distance from POA to Centroid Target #1:	0.325
The Distance from Centroid Target #2 to Centroid Target #1:	0.244
The Distance from Centroid Target #3 to Centroid Target #1:	0.203
The Distance from Centroid Target #4 to Centroid Target #1:	0.177
The Distance from Centroid Target #5 to Centroid Target #1:	0.462

SERIAL NUMBER: C6348714. 0

TARGET NUMBER: 1

FILE DATE: 10/15/2008

FILE TIME: 06:52

POINT#	X	Y
1:	0.135	1.604
2:	-0.294	0.181
3:	-0.470	0.189
4:	-0.629	0.180
5:	0.097	-0.398
6:	0.059	-0.565
7:	0.009	-0.852
8:	-0.195	-0.754
9:	-0.728	-0.849
10:	0.112	-1.368

X CENTROID: -0.190

Y CENTROID: -0.263

POA TO CENTROID: 0.325

HORZ SPREAD: 0.863

VERT SPREAD: 2.972

GROUP SPREAD: 2.972

MIN RADIUS: 0.317

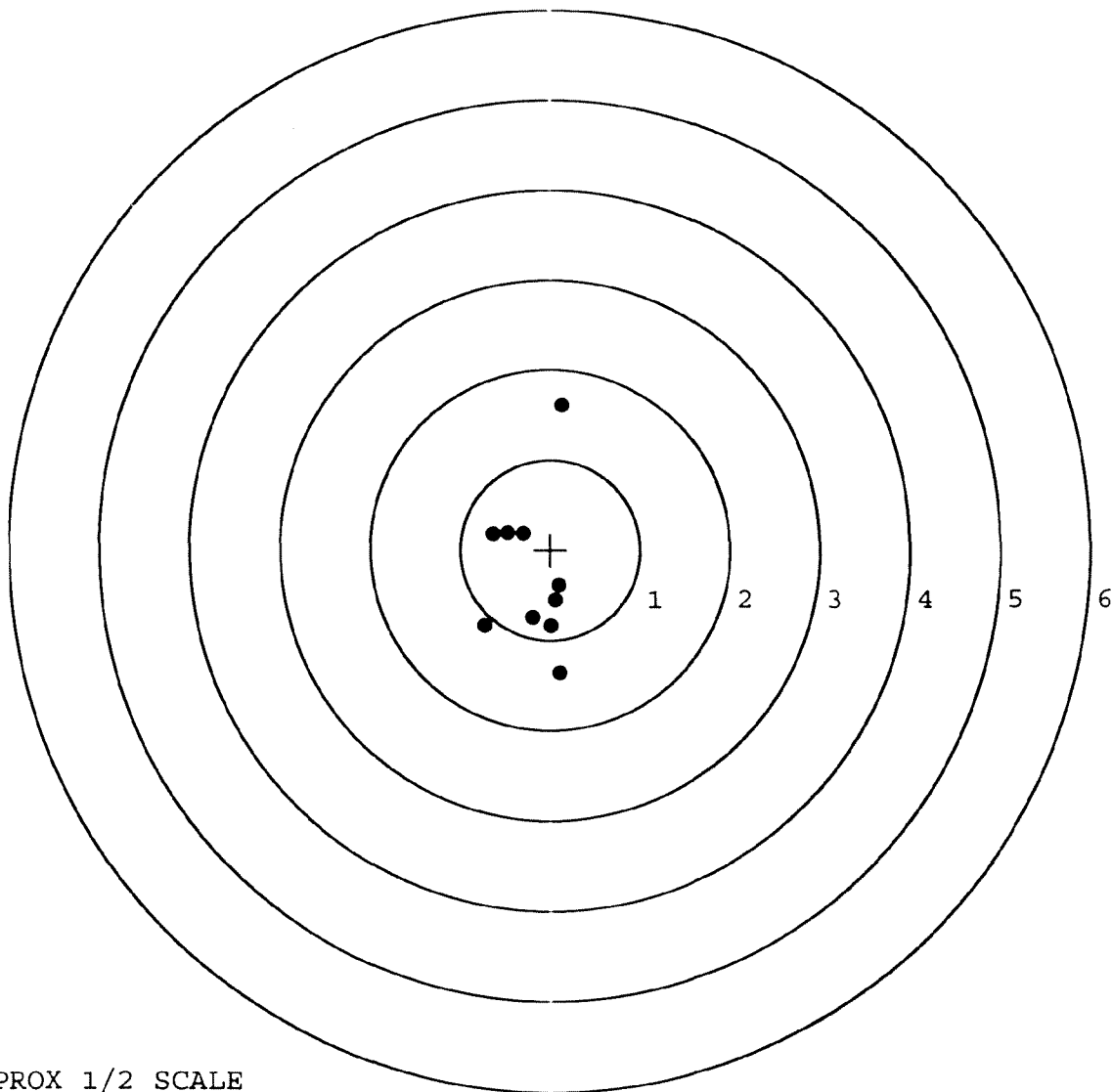
MAX RADIUS: 1.895

MEAN RADIUS: 0.727

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

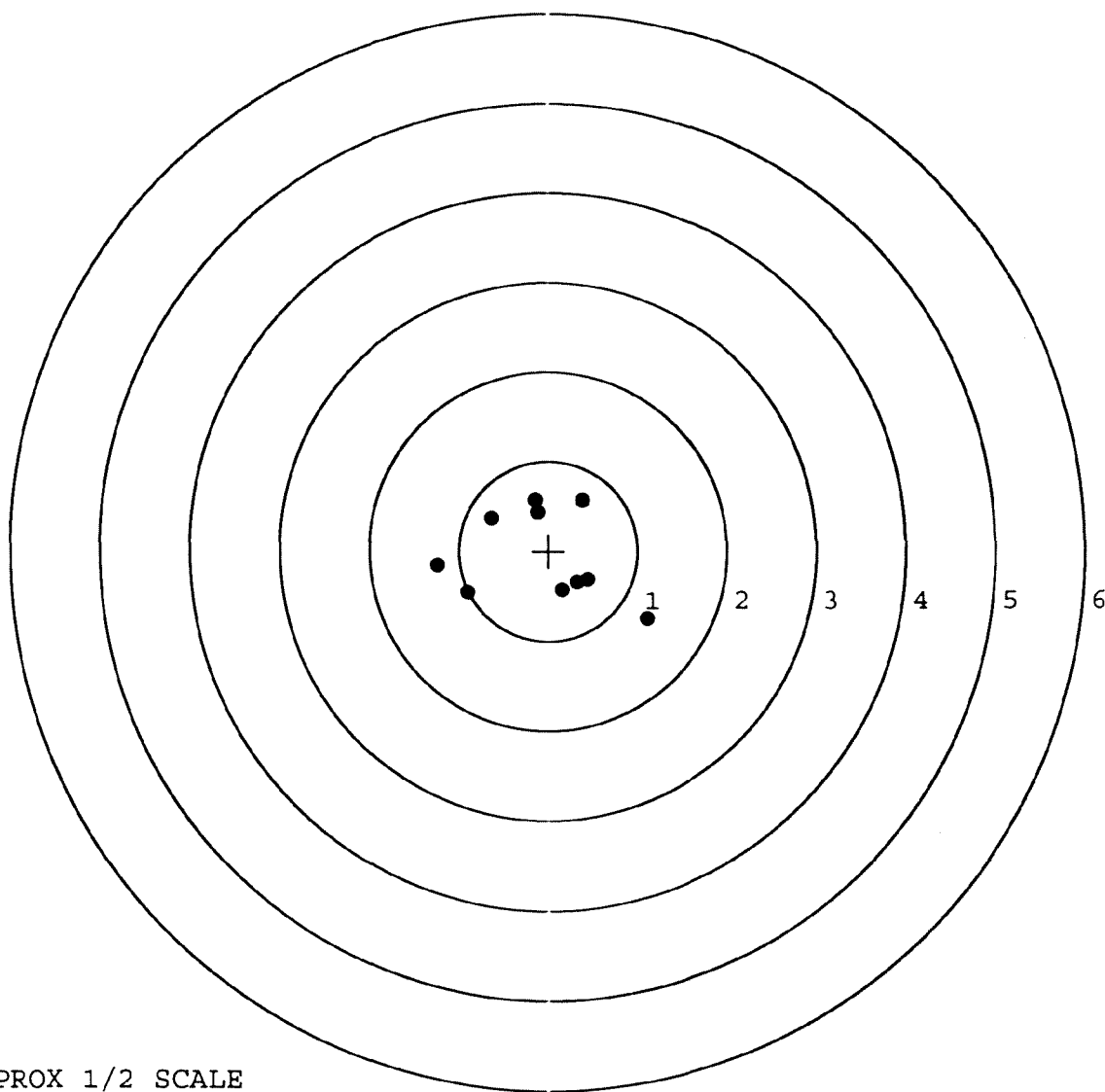


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348714. 0
TARGET NUMBER: 2
FILE DATE: 10/15/2008
FILE TIME: 06:52

POINT#	X	Y
1:	-0.904	-0.463
2:	-1.244	-0.166
3:	-0.628	0.365
4:	-0.143	0.565
5:	-0.117	0.431
6:	0.391	0.566
7:	0.158	-0.435
8:	0.320	-0.348
9:	0.441	-0.314
10:	1.109	-0.759

X CENTROID: -0.062
Y CENTROID: -0.056
POA TO CENTROID: 0.083
HORZ SPREAD: 2.353
VERT SPREAD: 1.325
GROUP SPREAD: 2.427
MIN RADIUS: 0.438
MAX RADIUS: 1.366
MEAN RADIUS: 0.756
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348714. __0

TARGET NUMBER: 3

FILE DATE: 10/15/2008

FILE TIME: 06:52

POINT#	X	Y
1:	0.143	0.976
2:	-0.337	0.220
3:	-0.606	-0.056
4:	-0.710	-0.617
5:	-0.249	-0.359
6:	-0.142	-0.249
7:	-0.196	-0.133
8:	0.227	-0.052
9:	0.490	-0.047
10:	0.667	-0.670

X CENTROID: -0.071

Y CENTROID: -0.099

POA TO CENTROID: 0.122

HORZ SPREAD: 1.377

VERT SPREAD: 1.646

GROUP SPREAD: 1.807

MIN RADIUS: 0.129

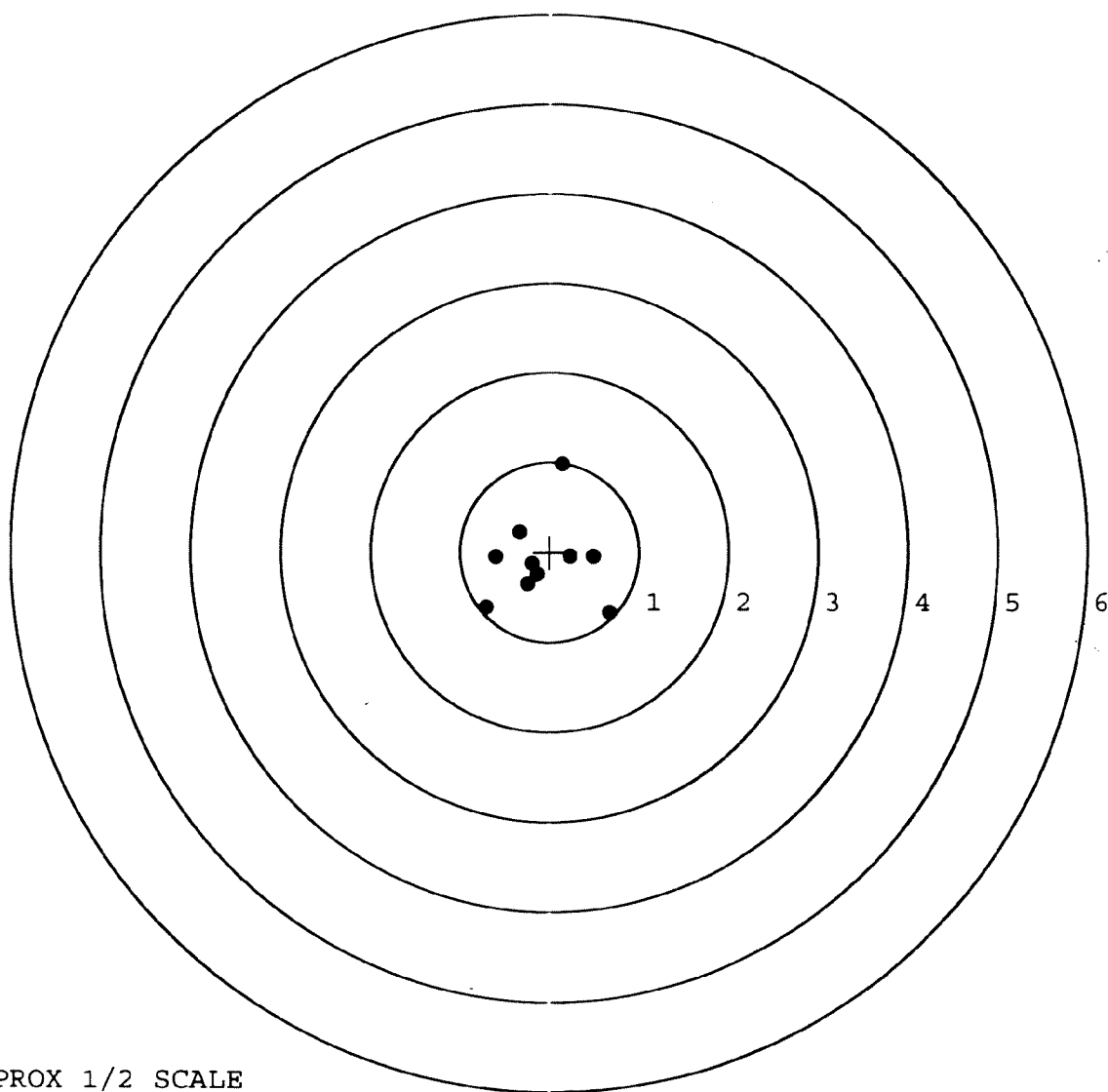
MAX RADIUS: 1.096

MEAN RADIUS: 0.528

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348714. 0

TARGET NUMBER: 4

FILE DATE: 10/15/2008

FILE TIME: 06:52

POINT#	X	Y
1:	0.249	0.584
2:	-0.063	0.559
3:	-0.580	0.071
4:	-0.499	-0.085
5:	-0.473	-0.338
6:	-0.340	-0.003
7:	-0.181	-0.053
8:	0.150	-0.141
9:	-0.580	-0.741
10:	-0.430	-0.934

X CENTROID: -0.275

Y CENTROID: -0.108

POA TO CENTROID: 0.295

HORZ SPREAD: 0.829

VERT SPREAD: 1.518

GROUP SPREAD: 1.663

MIN RADIUS: 0.109

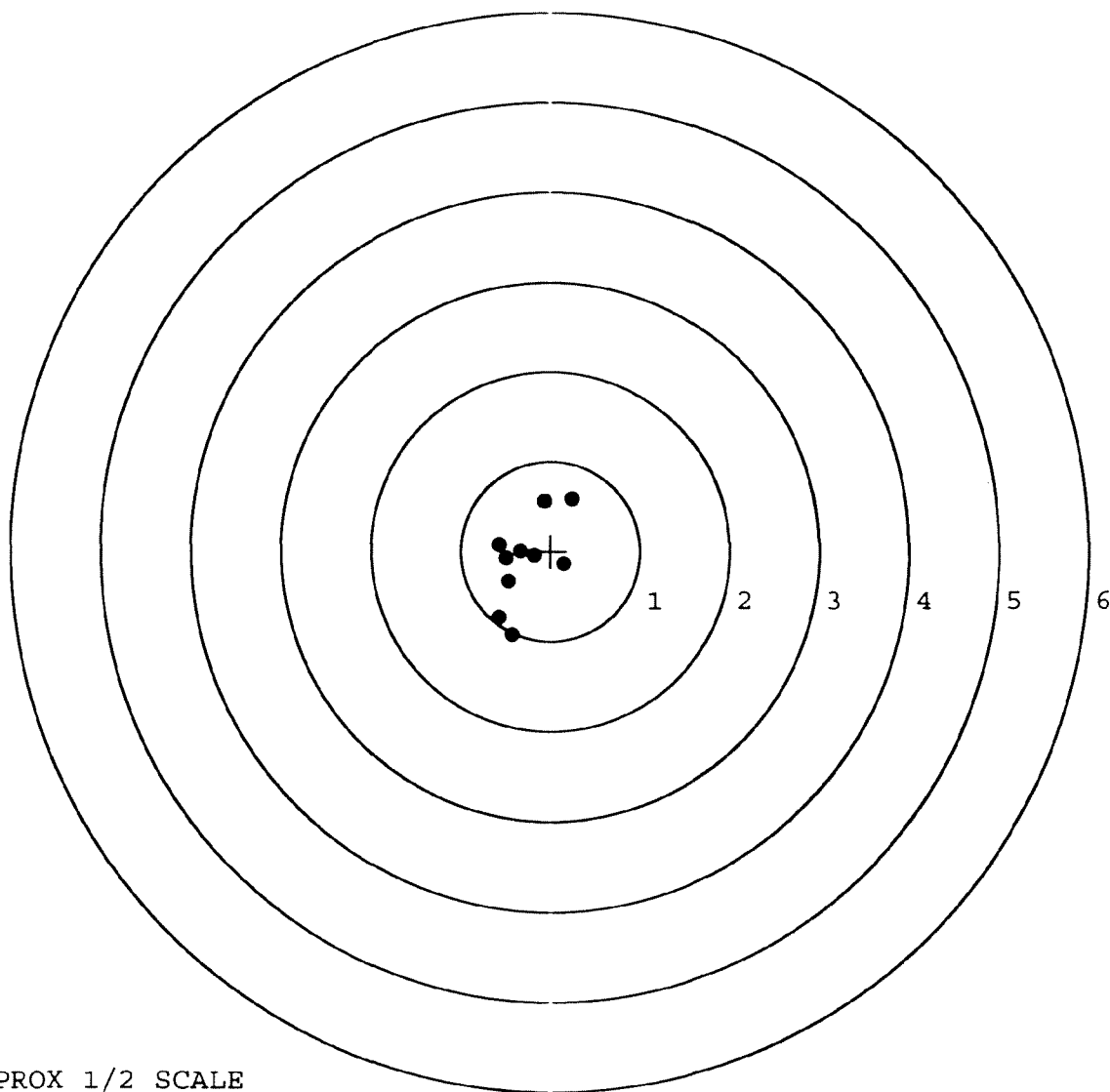
MAX RADIUS: 0.868

MEAN RADIUS: 0.465

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

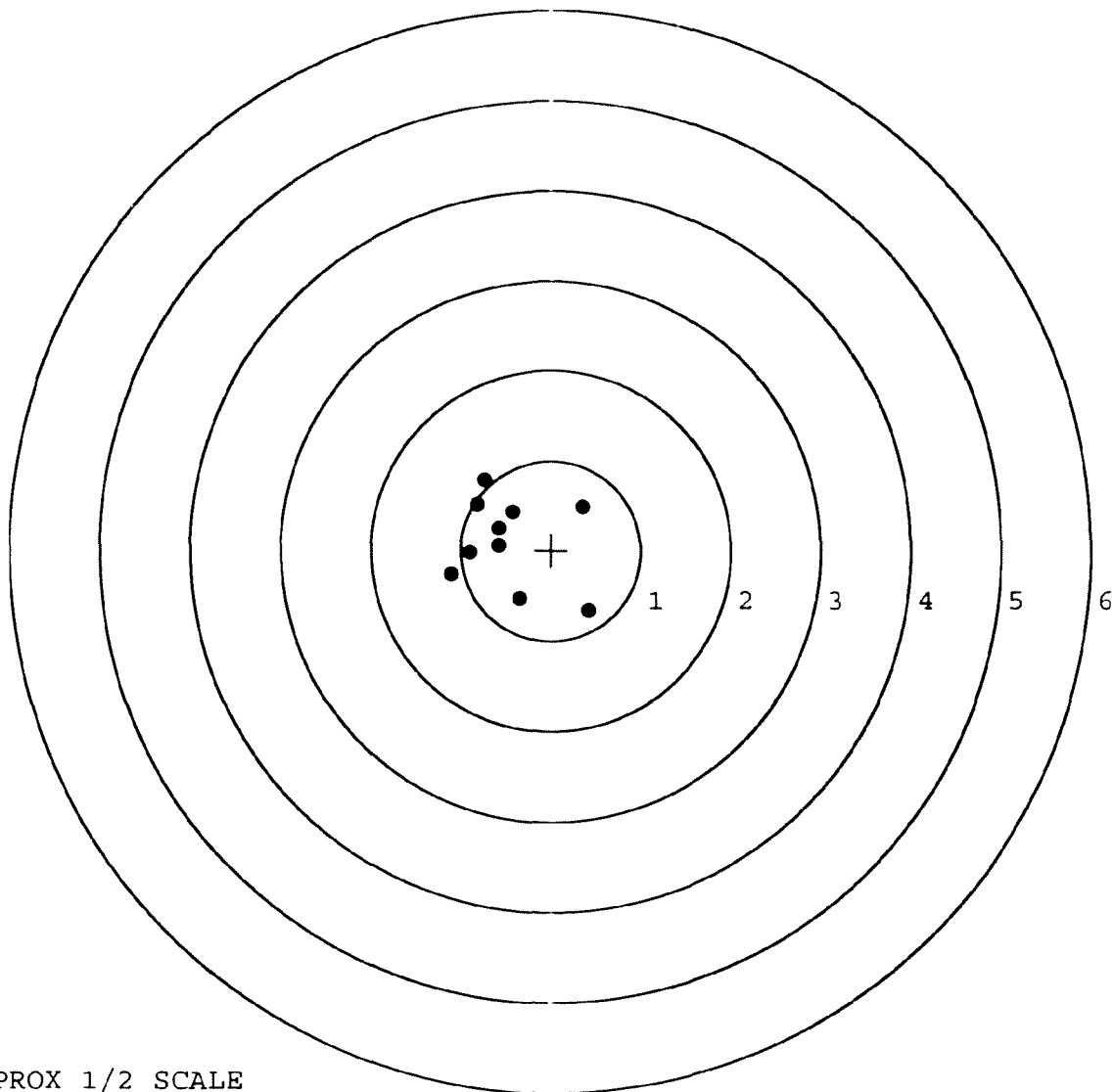


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348714. __0
TARGET NUMBER: 5
FILE DATE: 10/15/2008
FILE TIME: 06:52

POINT#	X	Y
1:	0.357	0.490
2:	0.426	-0.673
3:	-0.353	-0.537
4:	-1.111	-0.267
5:	-0.901	-0.025
6:	-0.581	0.059
7:	-0.579	0.248
8:	-0.425	0.435
9:	-0.815	0.514
10:	-0.738	0.791

X CENTROID: -0.472
Y CENTROID: 0.104
POA TO CENTROID: 0.483
HORZ SPREAD: 1.537
VERT SPREAD: 1.464
GROUP SPREAD: 1.870
MIN RADIUS: 0.118
MAX RADIUS: 1.187
MEAN RADIUS: 0.584
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Serial Number: C6348714

Model: M24 SWS



RE00099911

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348714.__0
FILE DATE AND TIME: 09/20/2005 11:05

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.000
The Average Y Centroid of the Five Target Set:	0.059
The Average Point of Impact of the Five Target Set:	0.059
The Average Mean Radius of the Five Target Set:	0.810
The Distance from POA to Centroid Target #1:	0.314
The Distance from Centroid Target #2 to Centroid Target #1:	0.382
The Distance from Centroid Target #3 to Centroid Target #1:	0.177
The Distance from Centroid Target #4 to Centroid Target #1:	0.428
The Distance from Centroid Target #5 to Centroid Target #1:	0.474

SERIAL NUMBER: C6348714. __0

TARGET NUMBER: 1

FILE DATE: 09/20/2005

FILE TIME: 11:05

X CENTROID: 0.280

Y CENTROID: 0.142

POA TO CENTROID: 0.314

HORZ SPREAD: 1.987

VERT SPREAD: 2.986

GROUP SPREAD: 2.990

MIN RADIUS: 0.375

MAX RADIUS: 1.679

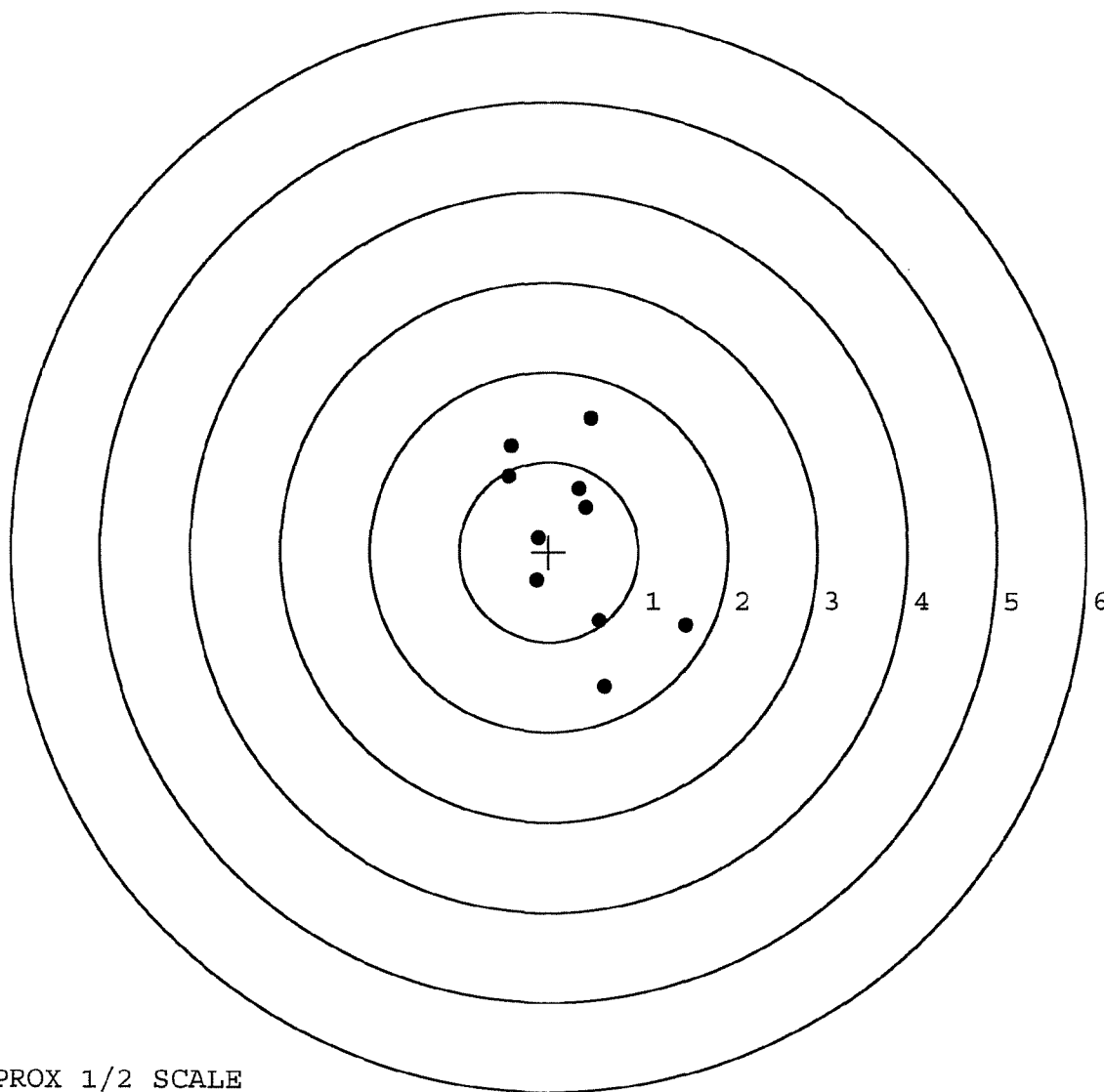
MEAN RADIUS: 0.977

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.529	-0.816
2:	0.622	-1.502
3:	0.564	-0.771
4:	-0.136	-0.320
5:	-0.119	0.155
6:	0.411	0.493
7:	0.336	0.698
8:	0.472	1.484
9:	-0.424	1.171
10:	-0.458	0.827

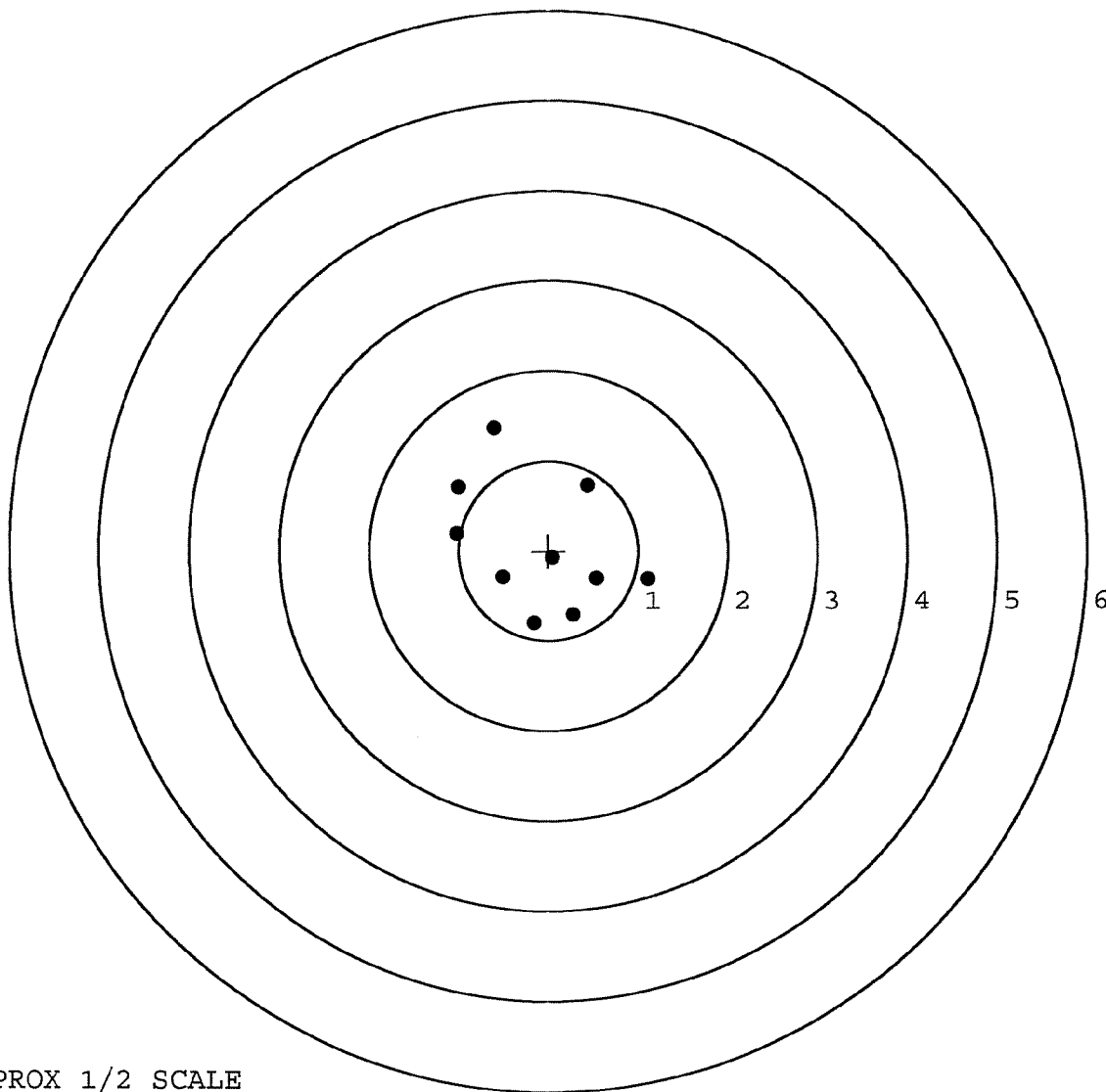


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348714. __0
TARGET NUMBER: 2
FILE DATE: 09/20/2005
FILE TIME: 11:05

X CENTROID: -0.090
Y CENTROID: 0.047
POA TO CENTROID: 0.102
HORZ SPREAD: 2.132
VERT SPREAD: 2.170
GROUP SPREAD: 2.406
MIN RADIUS: 0.182
MAX RADIUS: 1.416
MEAN RADIUS: 0.875
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.111	-0.317
2:	0.538	-0.312
3:	0.275	-0.714
4:	-0.163	-0.807
5:	0.042	-0.079
6:	-0.509	-0.298
7:	0.437	0.729
8:	-1.021	0.191
9:	-1.001	0.709
10:	-0.612	1.363

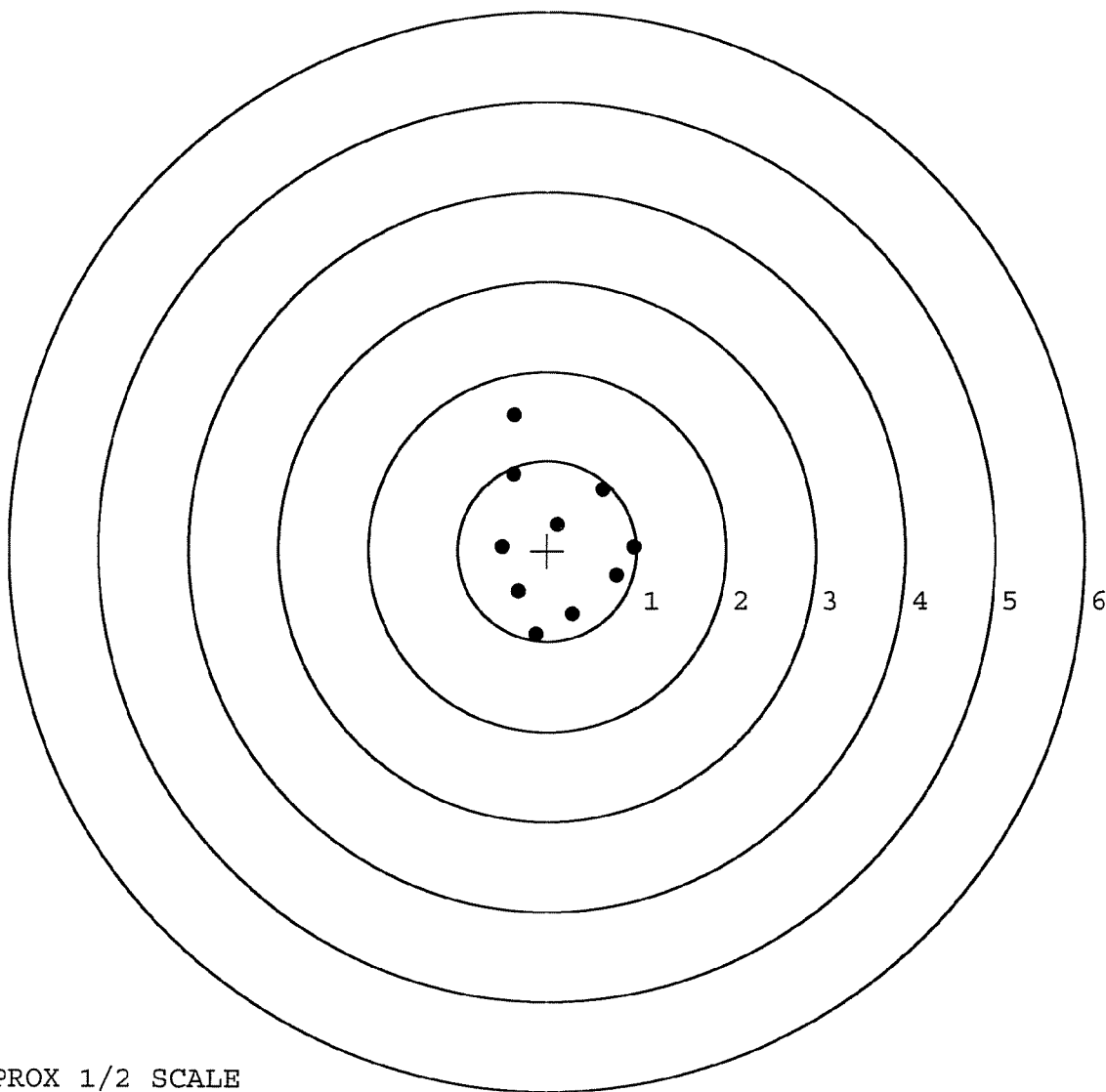


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348714. __0
TARGET NUMBER: 3
FILE DATE: 09/20/2005
FILE TIME: 11:05

POINT#	X	Y
1:	0.777	-0.277
2:	0.967	0.043
3:	0.120	0.287
4:	0.623	0.686
5:	0.283	-0.705
6:	-0.129	-0.928
7:	-0.322	-0.460
8:	-0.503	0.040
9:	-0.379	0.851
10:	-0.369	1.507

X CENTROID: 0.107
Y CENTROID: 0.104
POA TO CENTROID: 0.149
HORZ SPREAD: 1.470
VERT SPREAD: 2.435
GROUP SPREAD: 2.447
MIN RADIUS: 0.183
MAX RADIUS: 1.481
MEAN RADIUS: 0.818
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

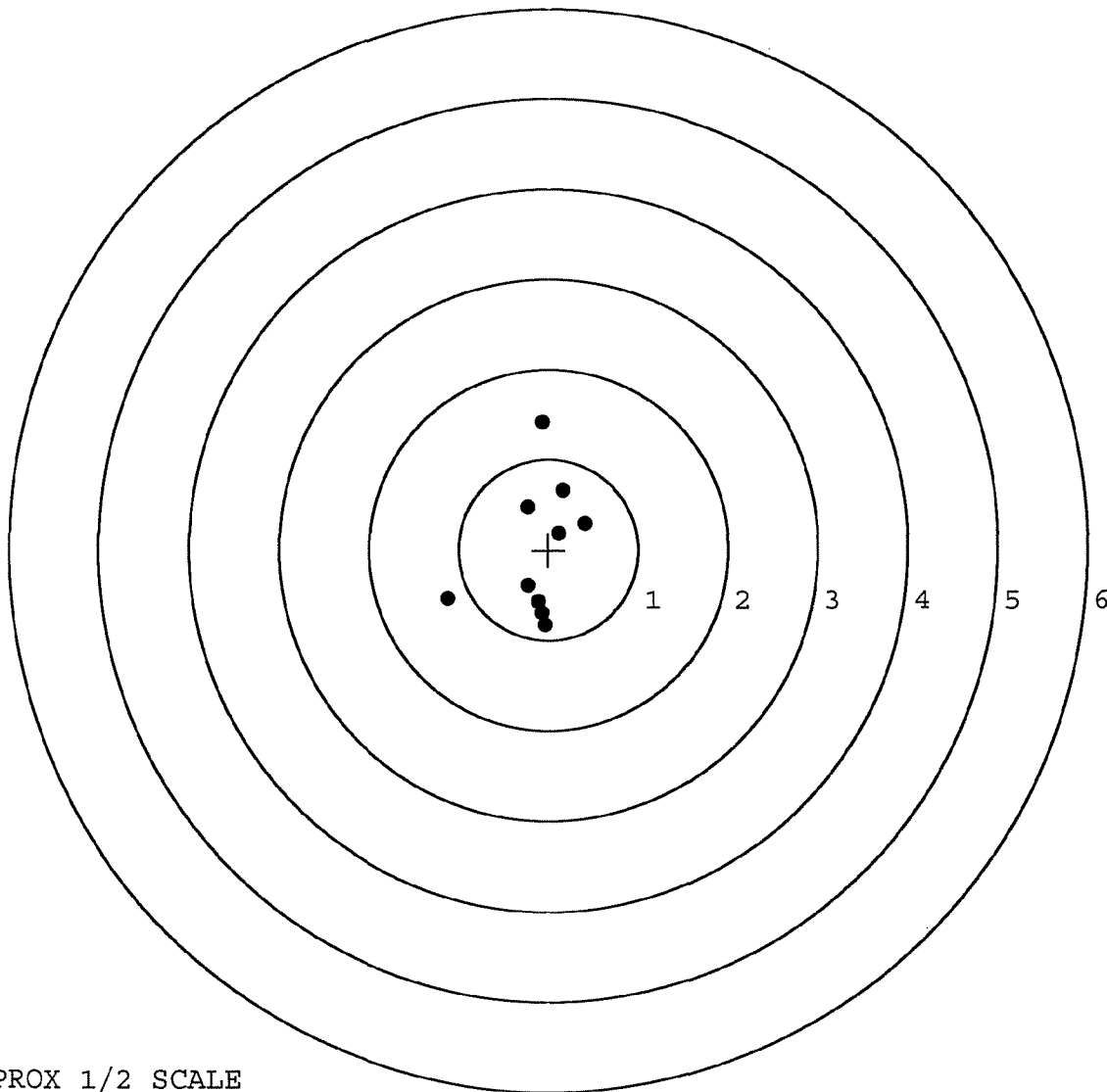


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348714. __0
TARGET NUMBER: 4
FILE DATE: 09/20/2005
FILE TIME: 11:05

X CENTROID: -0.123
Y CENTROID: -0.005
POA TO CENTROID: 0.123
HORZ SPREAD: 1.532
VERT SPREAD: 2.245
GROUP SPREAD: 2.245
MIN RADIUS: 0.301
MAX RADIUS: 1.412
MEAN RADIUS: 0.719
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.077	1.407
2:	-1.126	-0.545
3:	0.406	0.291
4:	0.113	0.183
5:	0.159	0.660
6:	-0.236	0.472
7:	-0.230	-0.394
8:	-0.116	-0.577
9:	-0.077	-0.704
10:	-0.046	-0.838

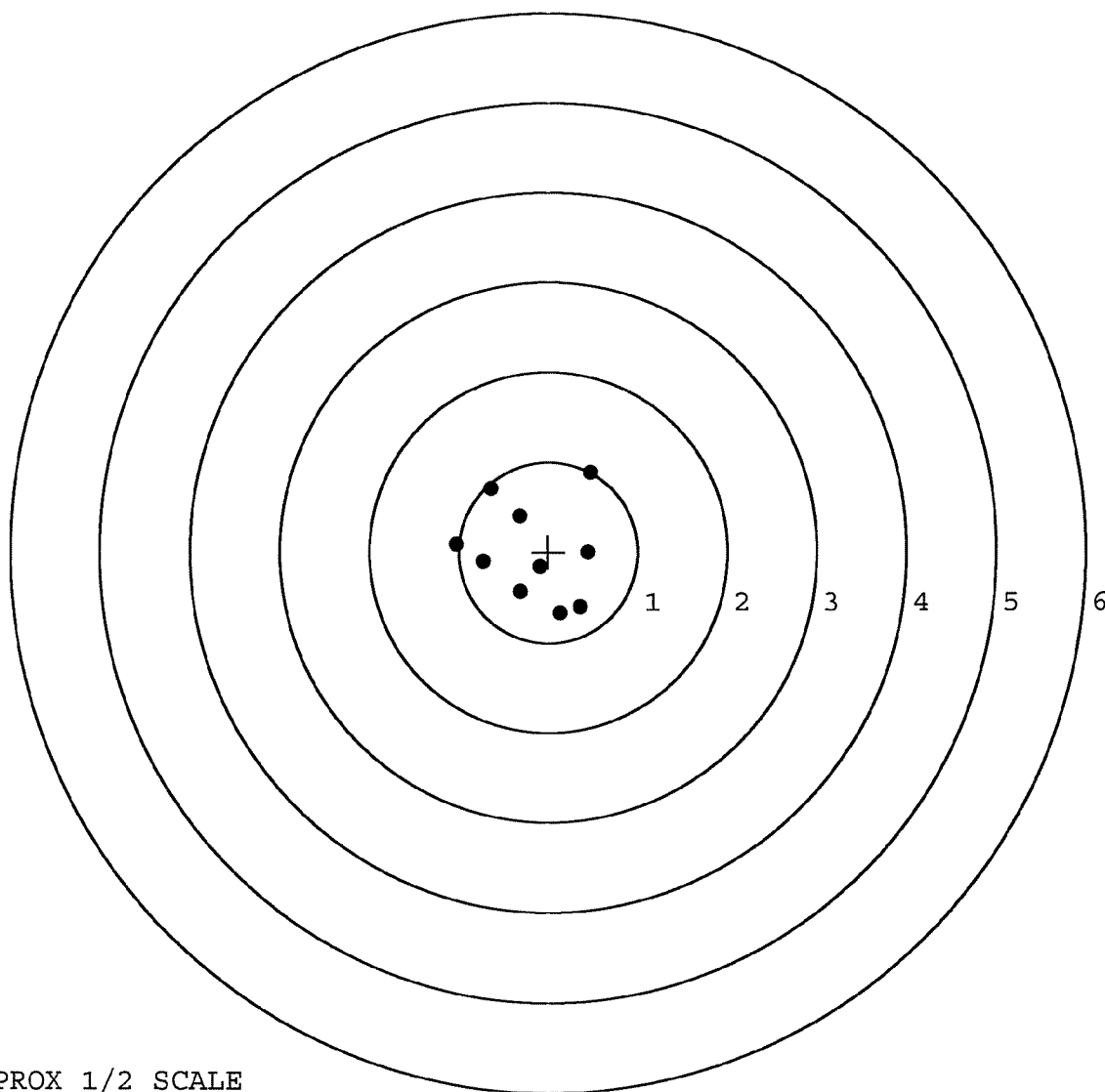


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348714.____0
TARGET NUMBER: 5
FILE DATE: 09/20/2005
FILE TIME: 11:05

X CENTROID: -0.174
Y CENTROID: 0.005
POA TO CENTROID: 0.174
HORZ SPREAD: 1.498
VERT SPREAD: 1.559
GROUP SPREAD: 1.699
MIN RADIUS: 0.189
MAX RADIUS: 1.088
MEAN RADIUS: 0.661
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.354	-0.612
2:	0.446	-0.009
3:	0.467	0.884
4:	-0.326	0.398
5:	-0.641	0.701
6:	-0.729	-0.111
7:	-1.031	0.083
8:	-0.096	-0.167
9:	-0.315	-0.444
10:	0.129	-0.675



TARGET APPROX 1/2 SCALE

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

8-22-05

TESTER

TRL

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS	COMMENTS
PULL #1	2.55	2.69	2.63	
PULL #2	2.66	2.35	2.42	
PULL #3	2.45	2.54	2.50	
PULL #4	2.38	2.63	2.23	
PULL #5	2.54	2.79	2.53	
TOTAL	12.58	13.00	12.31	
AVERAGE	2.51	2.60	2.46	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES	COMMENTS
PULL #1	3.35	3.15	
PULL #2	3.66	3.21	
PULL #3	3.46	3.38	
PULL #4	3.34	3.11	
PULL #5	3.37	3.22	
TOTAL	17.18	16.07	
AVERAGE	3.43	3.21	

	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	4.08	4.39		4.10
PULL #2	4.60	3.95		4.07
PULL #3	4.14	4.16		4.10
PULL #4	4.08	4.08		3.98
PULL #5	3.99	4.03		4.04
TOTAL	20.89	20.61		20.29
AVERAGE	4.17	4.12		4.05

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

R & E NUMBER	899.11		
SERIAL NUMBER	C6348714		
LOG-IN DATE	8-18-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-25-05	RTL
560 A	RE-BARREL	8-29-05	RTL
B	DRILL AND TAP	8-30-05	TRW
575	ASSEMBLE	8-30-05	RTL
600	PROOF	8-29-05	TRW
605	CHECK HEADSPACE	8-29-05	RTL
610	DIS-ASSEMBLE GUN	8-30-05	RTL
612	MAGNAFLUX	8-30-05	OPERATOR
615	ROLLMARK CALIBER	8-30-05	CW
618	ROTO-BLAST	8-30-05	LD
620	APPLY COATINGS	9-10-05	W
625 A	FINAL ASSEMBLY	9-14-05	RTL
B	TRIGGER PULL TEST	9-21-05	AC
C	SAFETY "ON" FORCE	9-21-05	AC
D	SAFETY "OFF" FORCE	9-21-05	AC
E	FIRING PIN INDENT	9-21-05	AC
640	TARGET	9-20-05	AC
655	FINAL INSPECT	9-21-05	AC
660	PACK	9-22-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348714

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		11/2/89	KCR
	Magnaflux Bolt		11/2/89	KCR
615	Rollmark Caliber		11/2/89	C.S.
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		11/6/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/6/89	RW
	C) Inspect Ejector Hole for Chamfer		11/6/89	RW
	D) Oil Firing Pin Ass'y		11/6/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/6/89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	4	4			10 Nov 89	JSB
	G) Safety Off Force	3	3	3			10 Nov 89	JSB
	H) Trigger Pull Test & Retainability						7 Nov 89	JSB
	I) Firing Pin Indent	.020	.020	.0205			10 Nov 89	JSB
	J) Assemble Stock						11/13/89	RW
	K) Assemble Swivel Studs						15 Nov 89	JSB
	L) Attach Front and Rear Sight Assemblies						11/13/89	RW
	M) Iron Sight Alignment						11/13/89	RW
	N) Detach Front & Rear Sights & place in numbered container						11/13/89	RW
	O) Attach Scope to Rifle						13 Nov 89	JSB
	P) Detach & Attach Scope 20 Times						13 Nov 89	JSB
640	Gallery Target & Test						11-14-89	AC
	A) Time						11-14-89	AC
	B) Malfunctions						11-14-89	AC
	C) Pierced Primers						11-14-89	AC
	D) Optical Clarity of Scope						11-14-89	AC
645	Inspect for Live Ammo						11-14-89	AC
655	Final Inspection							
	A) Headspace						15 Nov 89	JSB
	B) Trigger Pull	271	277	272	256	263	15 Nov 89	JSB
	C) Function						15 Nov 89	JSB
660	Pack						15 Dec 89	JSB

SWS TRIGGER PULL TEST

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

SERIAL NO. C634 8714
DATE 3-12-90
TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.50	2.31	2.31	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.56	2.20	2.42	
PULL #3	2.69	2.31	2.50	
PULL #4	2.30	2.24	2.43	
PULL #5	2.23	2.28	2.42	
TOTAL	12.28	11.39	12.08	
AVG.	2.456	2.278	2.416	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.44	3.36	
PULL #2	3.45	3.31	
PULL #3	3.41	3.37	
PULL #4	3.38	3.34	
PULL #5	3.37	3.33	
TOTAL	17.05	16.71	
AVG.	3.41	3.342	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.54	4.50		4.45
PULL #2	4.56	4.50		4.28
PULL #3	4.00	4.22		4.54
PULL #4	4.20	4.53		4.57
PULL #5	4.30	4.51		4.51
TOTAL	21.60	22.26		22.35
AVG.	4.32	4.452		4.47

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348714
14 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.296503
1 TO	2	.417024
1 TO	3	.110114
1 TO	4	.410761
1 TO	5	.28493

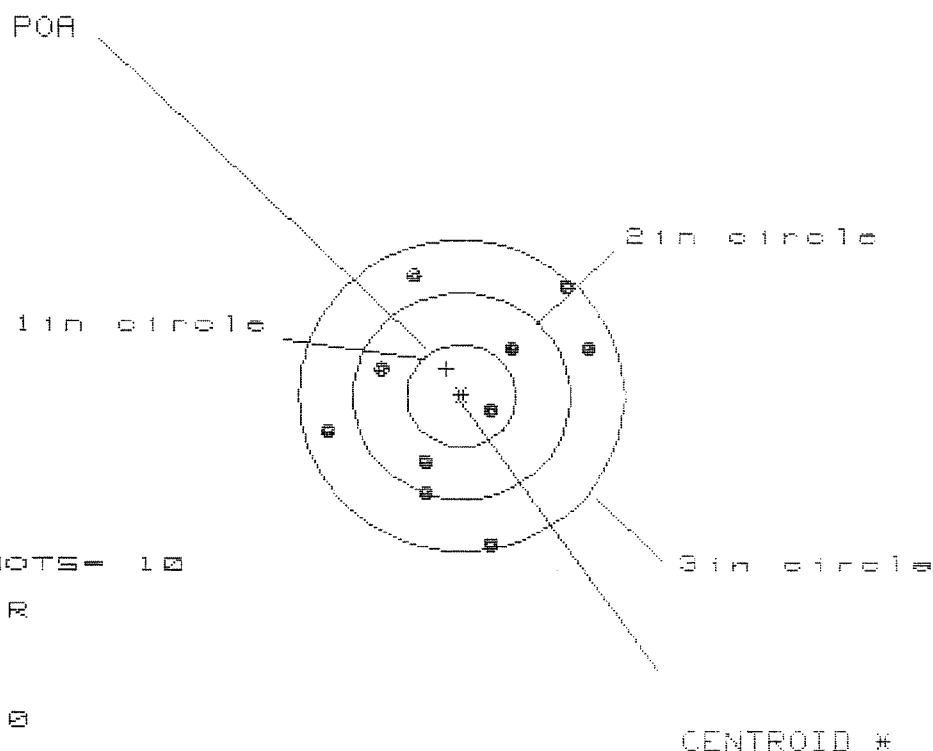
59 (----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0246
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.093
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0961985
THE AMR FOR THIS RIFLE IS: .9842

14 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346714

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.414

VS= 2.600

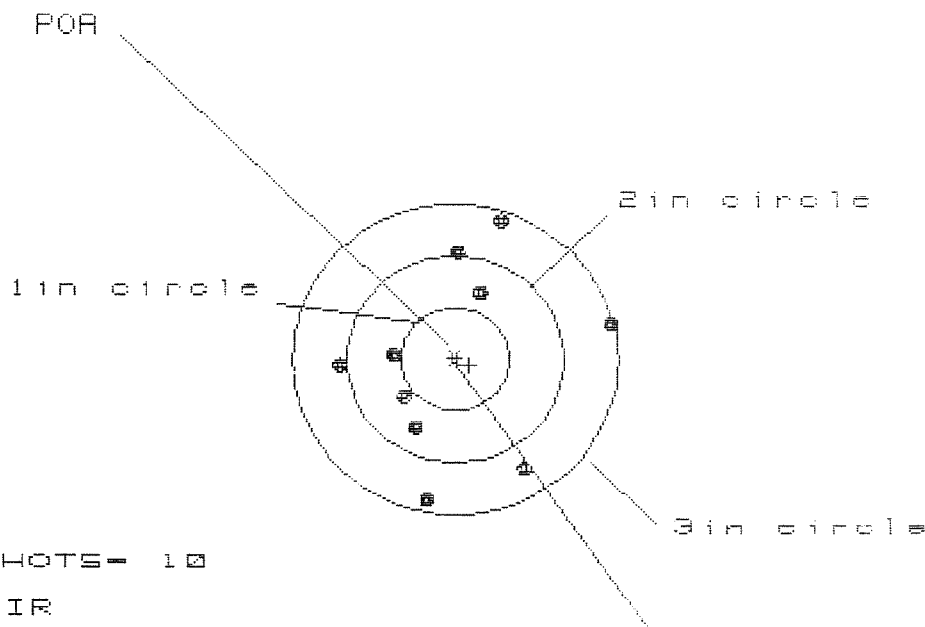
GS= 2.678

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.138	1.248	1.293
MINIMUM X	:	-1.276	-1.166	-1.121
MAXIMUM Y	:	1.158	1.279	1.114
MINIMUM Y	:	-1.442	-1.321	-.941
CENTROID X	:	.133	.023	-.022
CENTROID Y	:	-.265	-.386	-.221
POA TO CENTROID in.	:	.296	.387	.222
MIN RADIUS	:	.275	.368	.435
MEAN RADIUS	:	1.007	.945	.890
MAX RADIUS	:	1.472	1.369	1.346
HORIZONTAL SPREAD	:	2.414	2.414	2.414
VERTICAL SPREAD	:	2.600	2.600	2.055
EXTREME SPREAD	:	2.678	2.678	2.521
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

14 Nov 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C8348714

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 10

HS= 2.496

VS= 2.683

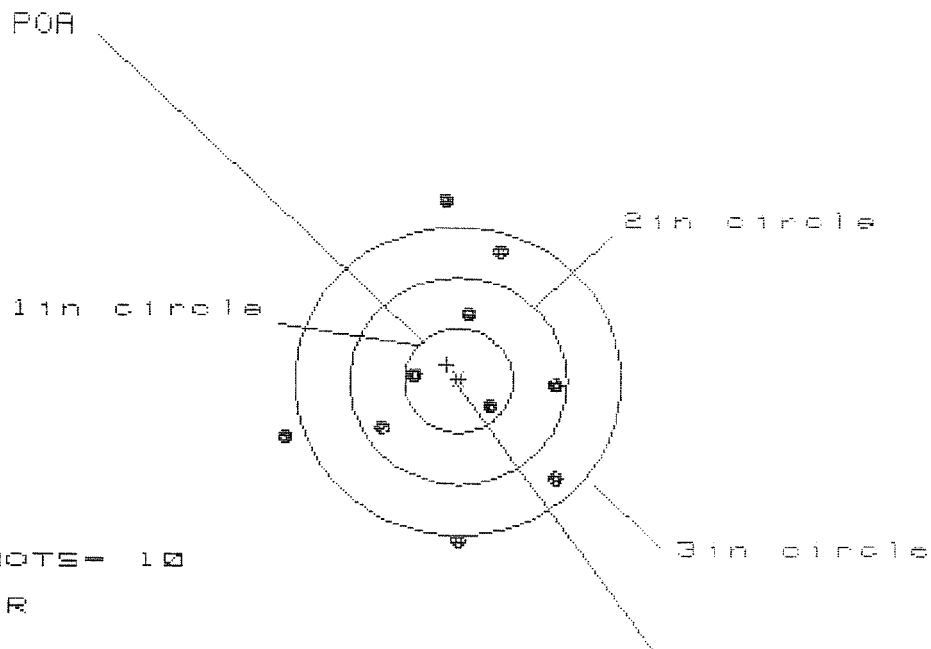
GS= 2.774

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.390	.809	.882
MINIMUM X	:	-1.106	-.951	-.879
MAXIMUM Y	:	1.358	1.397	1.276
MINIMUM Y	:	-1.325	-1.286	-1.111
CENTROID X	:	-.132	-.286	-.359
CENTROID Y	:	.057	.018	-.157
POA TO CENTROID in.	:	.143	.287	.391
MIN RADIUS	:	.558	.415	.250
MEAN RADIUS	:	1.019	.940	.834
MAX RADIUS	:	1.435	1.513	1.310
HORIZONTAL SPREAD	:	2.496	1.760	1.760
VERTICAL SPREAD	:	2.683	2.683	2.387
EXTREME SPREAD	:	2.774	2.774	2.412
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348714

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.482

VS= 3.260

GS= 3.262

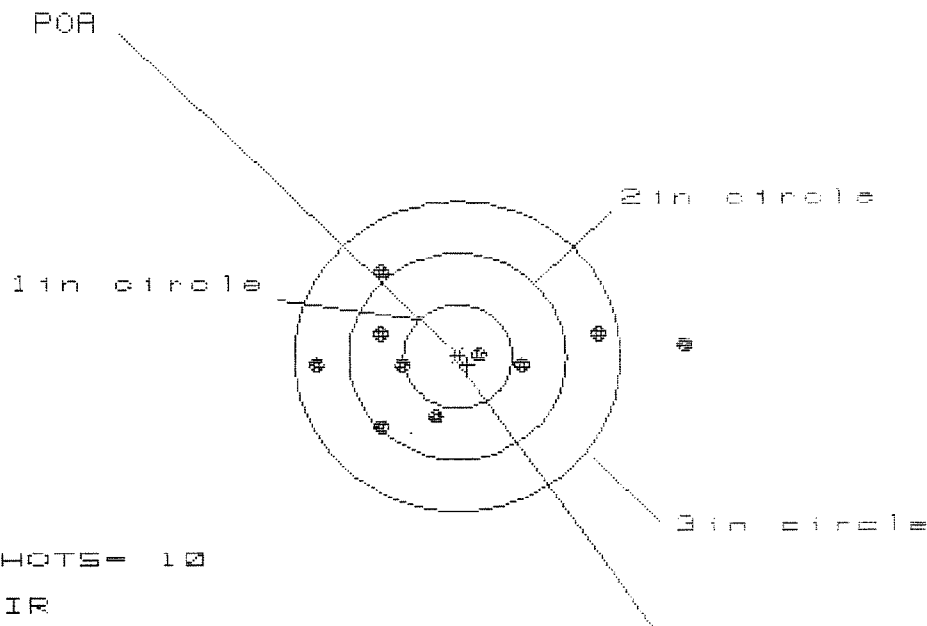
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.916	.965	.706
MINIMUM X	:	-1.576	-1.587	-.902
MAXIMUM Y	:	1.710	1.470	1.425
MINIMUM Y	:	-1.550	-1.359	-1.404
CENTROID X	:	.107	.118	.317
CENTROID Y	:	-.158	-.348	-.303
POA TO CENTROID in.	:	.191	.367	.439
MIN RADIUS	:	.369	.329	.141
MEAN RADIUS	:	1.081	1.004	.899
MAX RADIUS	:	1.713	1.626	1.441
HORIZONTAL SPREAD	:	2.492	2.492	1.608
VERTICAL SPREAD	:	3.260	2.829	2.829
EXTREME SPREAD	:	3.262	2.859	2.859
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 3.454

VS= 1.540

GS= 3.461

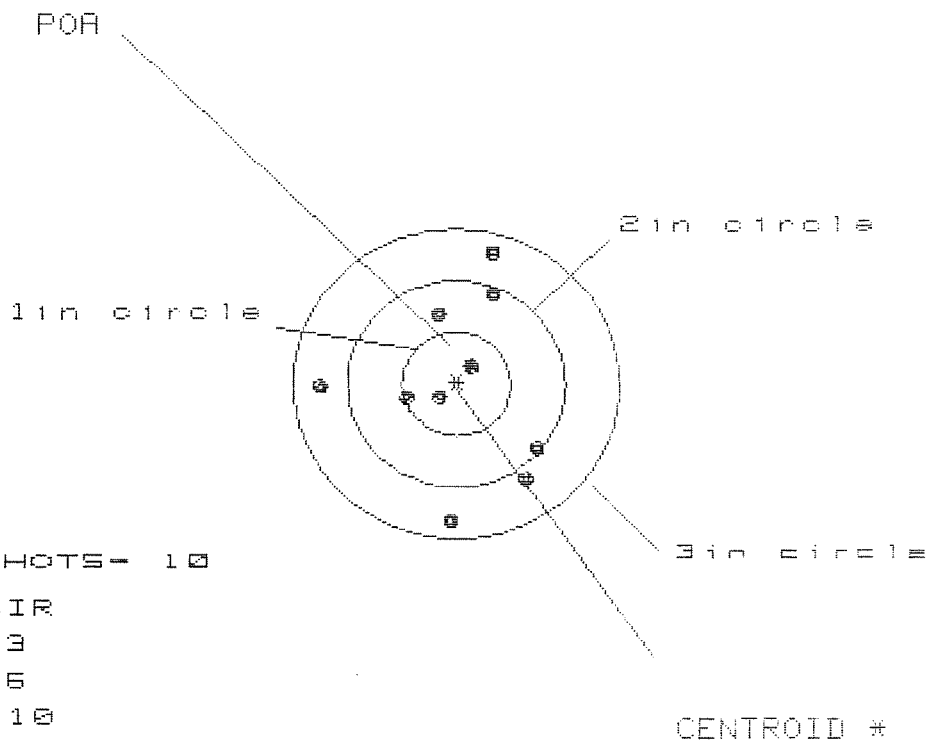
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.120	1.491	1.353
MINIMUM X	:	-1.334	-1.098	-.652
MAXIMUM Y	:	.849	.866	.861
MINIMUM Y	:	-.691	-.674	-.679
CENTROID X	:	-.093	-.329	-.191
CENTROID Y	:	.078	.061	.066
POA TO CENTROID in.	:	.122	.334	.202
MIN RADIUS	:	.236	.277	.335
MEAN RADIUS	:	.954	.788	.752
MAX RADIUS	:	2.126	1.509	1.372
HORIZONTAL SPREAD	:	3.454	2.589	2.085
VERTICAL SPREAD	:	1.540	1.540	1.540
EXTREME SPREAD	:	3.461	2.604	2.171
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 = 3

2in = 6

3in = 10

HS= 1.985

VS= 2.661

GS= 2.701

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.709	.749	.741
MINIMUM X	:	-1.276	-1.236	-1.244
MAXIMUM Y	:	1.325	1.044	.895
MINIMUM Y	:	-1.336	-1.189	-.904
CENTROID X	:	-.138	-.178	-.170
CENTROID Y	:	-.177	-.324	-.175
POA TO CENTROID in.	:	.224	.369	.244
MIN RADIUS	:	.203	.128	.178
MEAN RADIUS	:	.860	.799	.733
MAX RADIUS	:	1.373	1.245	1.244
HORIZONTAL SPREAD	:	1.985	1.985	1.985
VERTICAL SPREAD	:	2.661	2.233	1.799
EXTREME SPREAD	:	2.701	2.280	1.084
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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