

C6523308

MODEL 700™ M24

Model **SMS**™

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: RE00139086

Serial: C6523308 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:

Status: Closed 1/4/2008 1:50:12 PM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: BLDG 49015 CRSP

BLDG 49015 CRSP

Address 2: SANTA FE AVE

PO Box:

SANTA FE AVE

PO Box:

City: FORT HOOD

FORT HOOD

State: TX

Zip Code: 76544

Country: US

State: TX

Zip Code: 76544

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
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

1/7/2008

12:45 PM

CAPS

NUM

INS

SCRL



Serial Number: C6523308

Model: M24 SWS



RE00139086

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523308.0
FILE DATE AND TIME: 02/05/2008 07:27

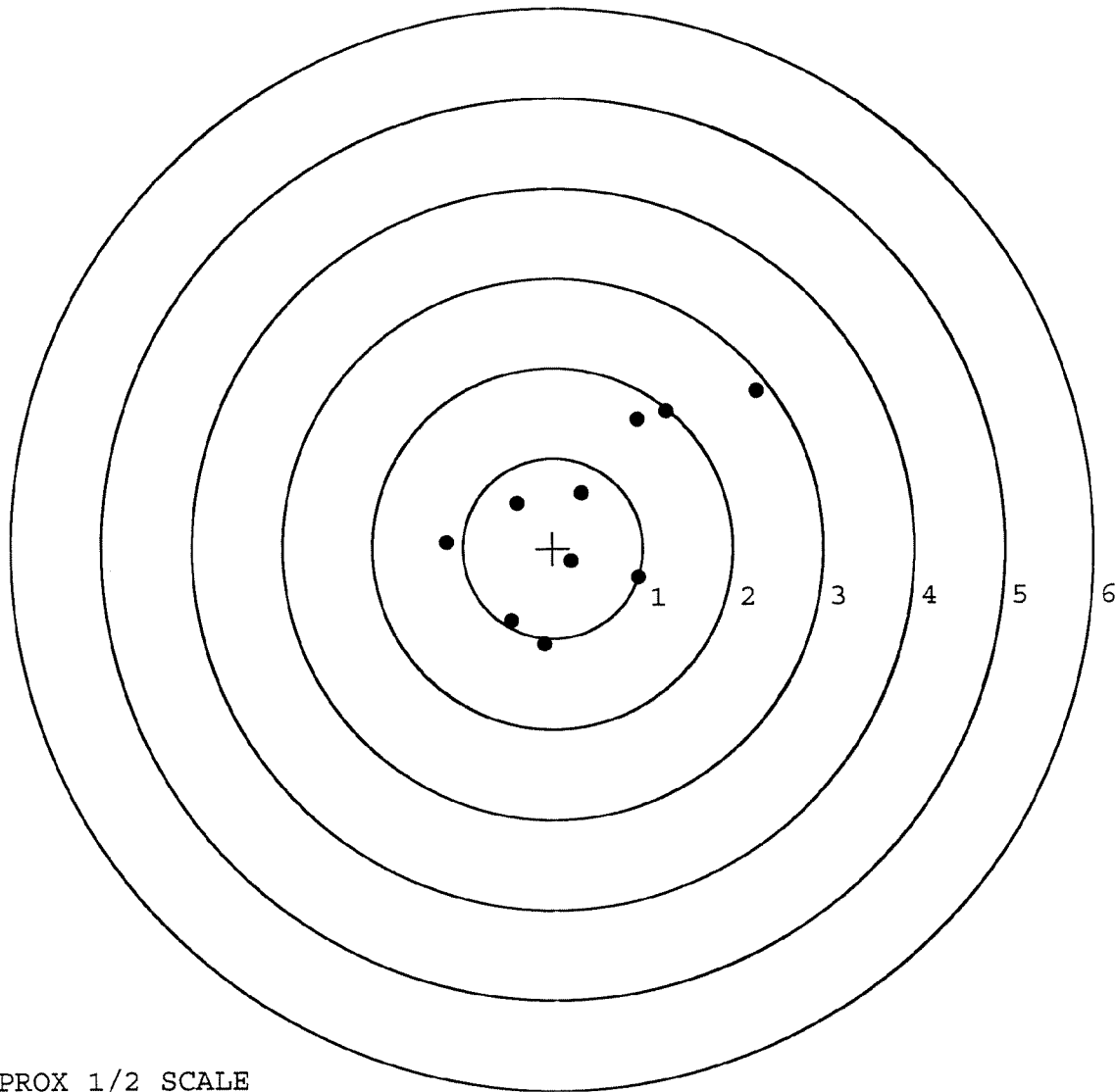
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.092
The Average Y Centroid of the Five Target Set:	0.033
The Average Point of Impact of the Five Target Set:	0.098
The Average Mean Radius of the Five Target Set:	1.020
The Distance from POA to Centroid Target #1:	0.518
The Distance from Centroid Target #2 to Centroid Target #1:	0.779
The Distance from Centroid Target #3 to Centroid Target #1:	0.410
The Distance from Centroid Target #4 to Centroid Target #1:	0.700
The Distance from Centroid Target #5 to Centroid Target #1:	0.425

SERIAL NUMBER: C6523308. __0
TARGET NUMBER: 1
FILE DATE: 02/05/2008
FILE TIME: 07:27

X CENTROID: 0.383
Y CENTROID: 0.349
POA TO CENTROID: 0.518
HORZ SPREAD: 3.451
VERT SPREAD: 2.799
GROUP SPREAD: 3.829
MIN RADIUS: 0.270
MAX RADIUS: 2.340
MEAN RADIUS: 1.203
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.953	-0.338
2:	0.325	0.613
3:	-0.396	0.506
4:	-1.180	0.073
5:	-0.472	-0.808
6:	-0.101	-1.068
7:	0.952	1.424
8:	1.273	1.509
9:	2.271	1.731
10:	0.202	-0.149

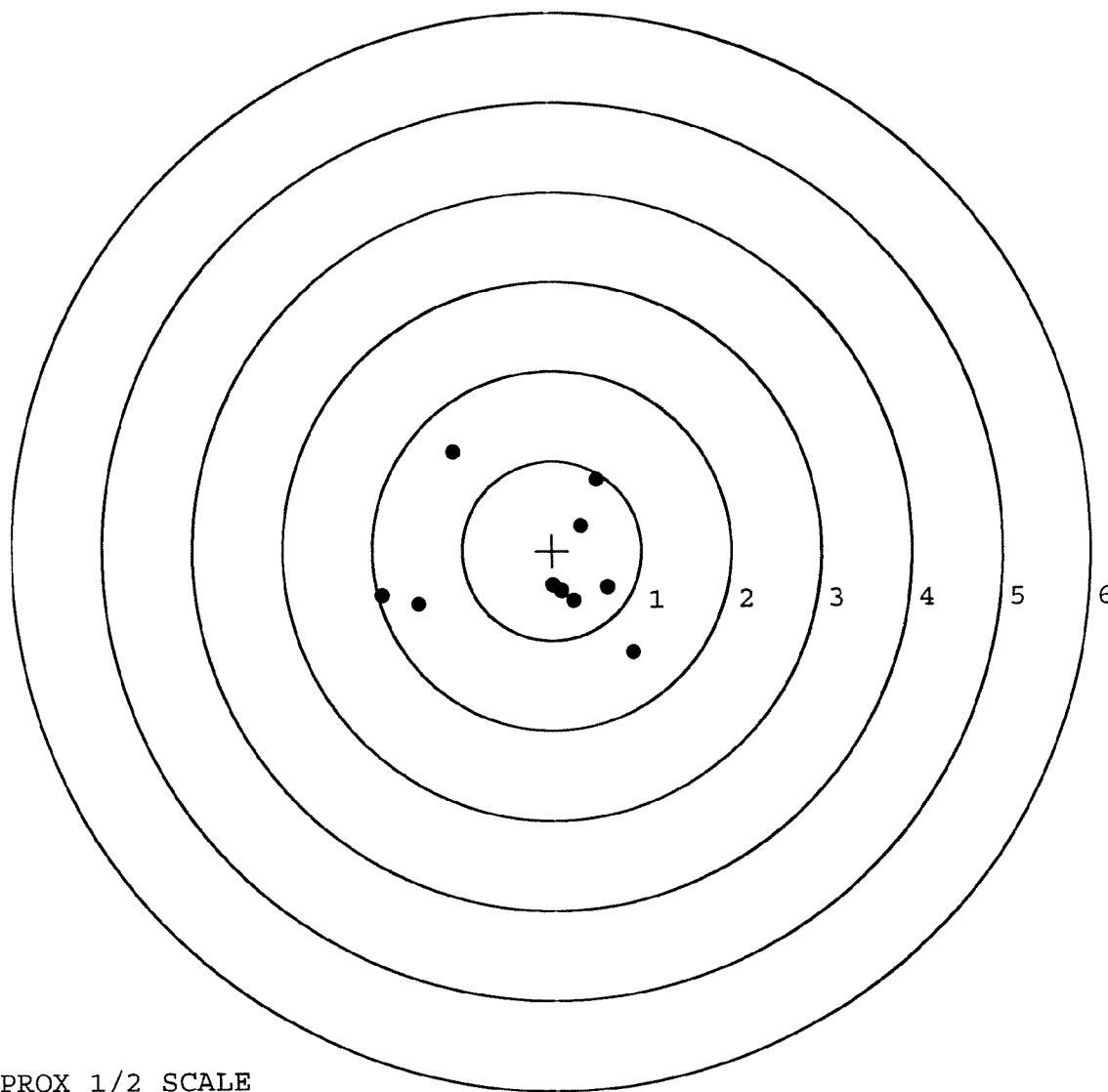


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523308. __0
TARGET NUMBER: 2
FILE DATE: 02/05/2008
FILE TIME: 07:27

X CENTROID: -0.179
Y CENTROID: -0.190
POA TO CENTROID: 0.261
HORZ SPREAD: 2.794
VERT SPREAD: 2.247
GROUP SPREAD: 2.868
MIN RADIUS: 0.275
MAX RADIUS: 1.743
MEAN RADIUS: 1.007
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.899	-1.146
2:	0.618	-0.416
3:	0.236	-0.560
4:	0.102	-0.459
5:	0.011	-0.388
6:	0.320	0.277
7:	0.506	0.790
8:	-1.492	-0.597
9:	-1.895	-0.497
10:	-1.100	1.101

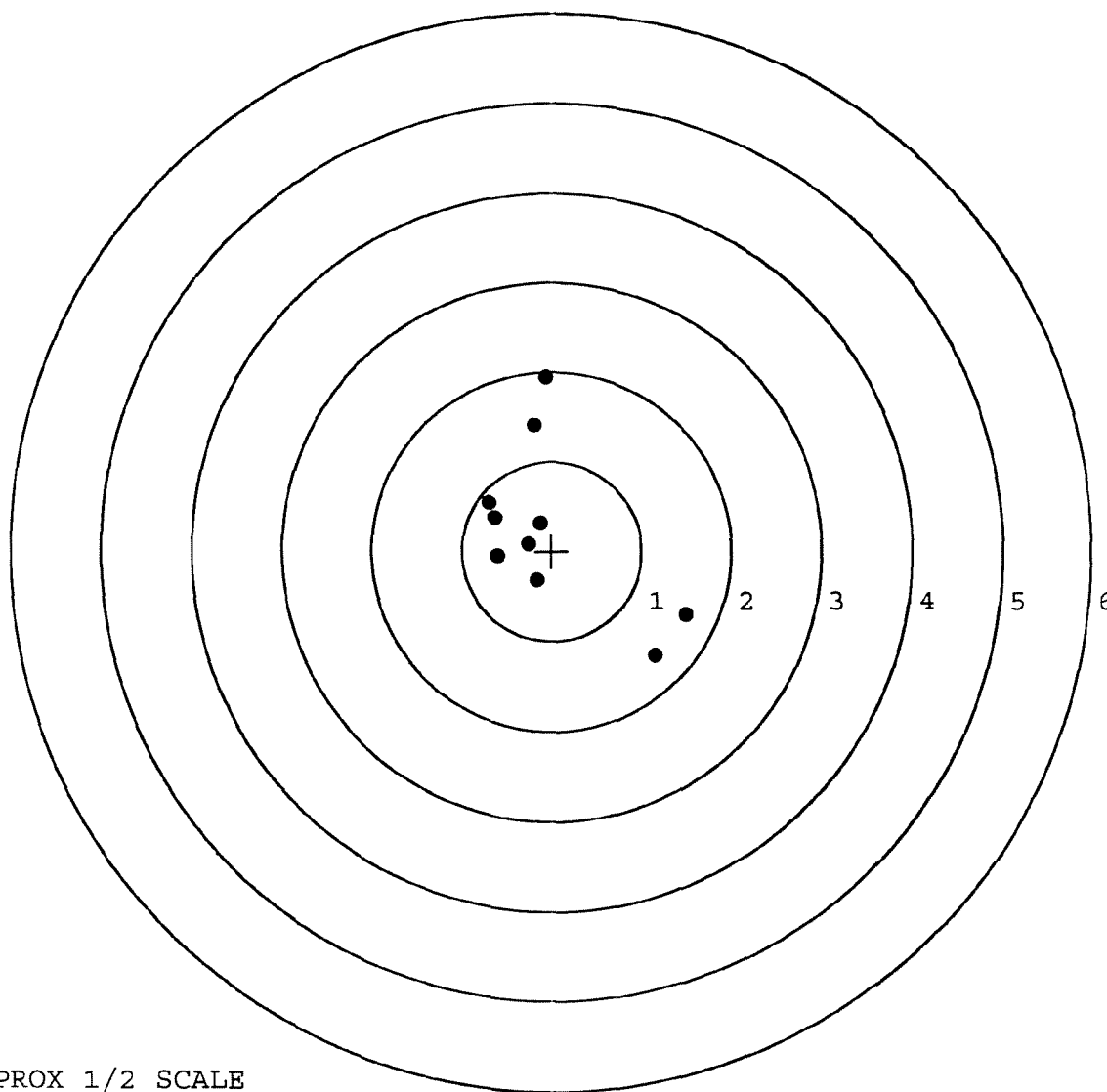


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523308. __0
TARGET NUMBER: 3
FILE DATE: 02/05/2008
FILE TIME: 07:27

POINT#	X	Y
1:	1.495	-0.712
2:	1.152	-1.165
3:	-0.072	1.934
4:	-0.197	1.401
5:	-0.695	0.540
6:	-0.638	0.378
7:	-0.129	0.309
8:	-0.259	0.084
9:	-0.173	-0.331
10:	-0.606	-0.055

X CENTROID: -0.012
Y CENTROID: 0.238
POA TO CENTROID: 0.239
HORZ SPREAD: 2.190
VERT SPREAD: 3.099
GROUP SPREAD: 3.332
MIN RADIUS: 0.137
MAX RADIUS: 1.823
MEAN RADIUS: 0.955
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 7

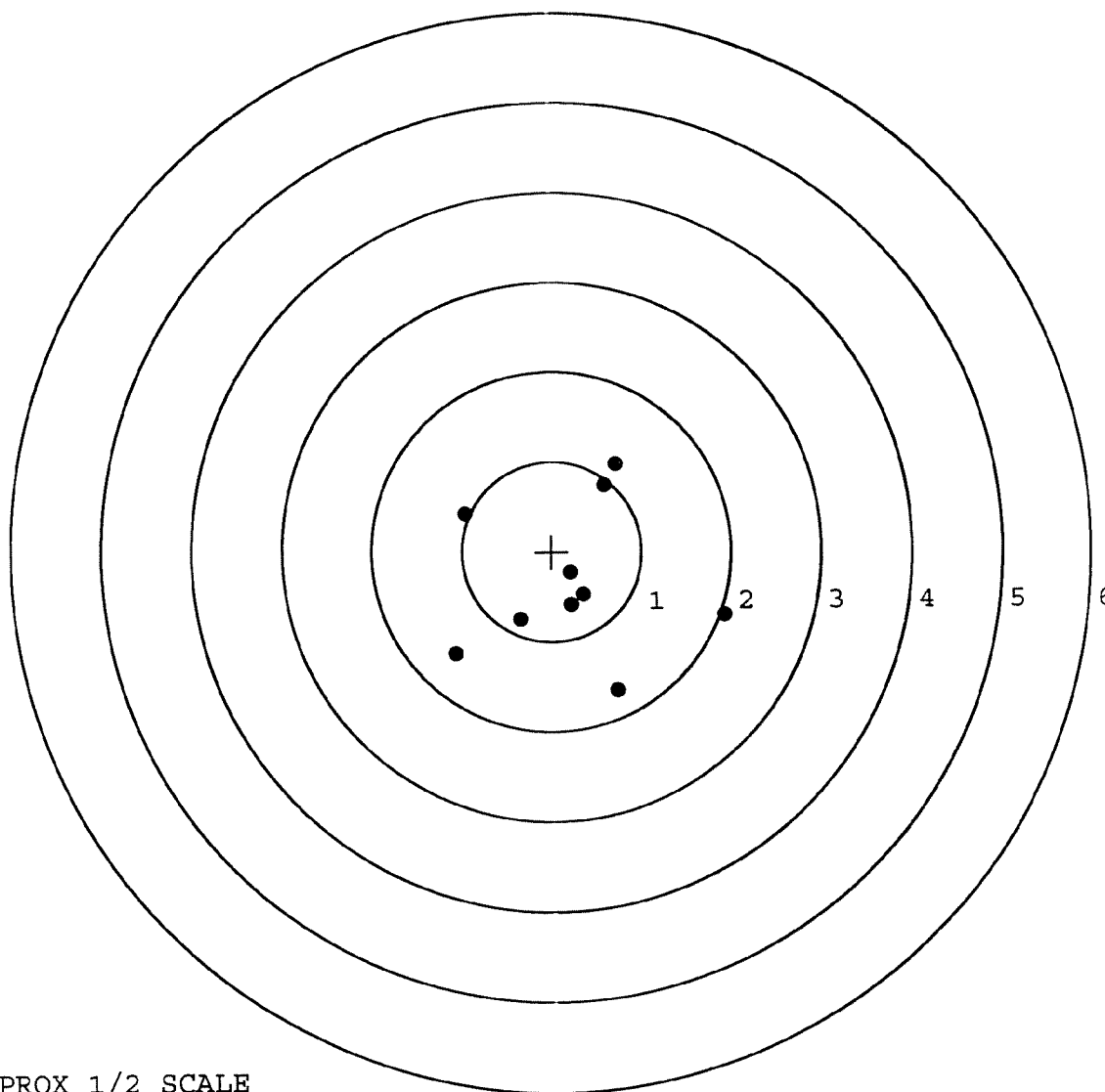


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523308. __0
TARGET NUMBER: 4
FILE DATE: 02/05/2008
FILE TIME: 07:27

X CENTROID: 0.233
Y CENTROID: -0.334
POA TO CENTROID: 0.408
HORZ SPREAD: 3.001
VERT SPREAD: 2.519
GROUP SPREAD: 3.105
MIN RADIUS: 0.102
MAX RADIUS: 1.734
MEAN RADIUS: 0.980
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.715	0.969
2:	0.592	0.738
3:	0.210	-0.235
4:	0.347	-0.486
5:	0.218	-0.599
6:	-0.357	-0.754
7:	-1.076	-1.136
8:	-0.963	0.424
9:	0.720	-1.550
10:	1.925	-0.716

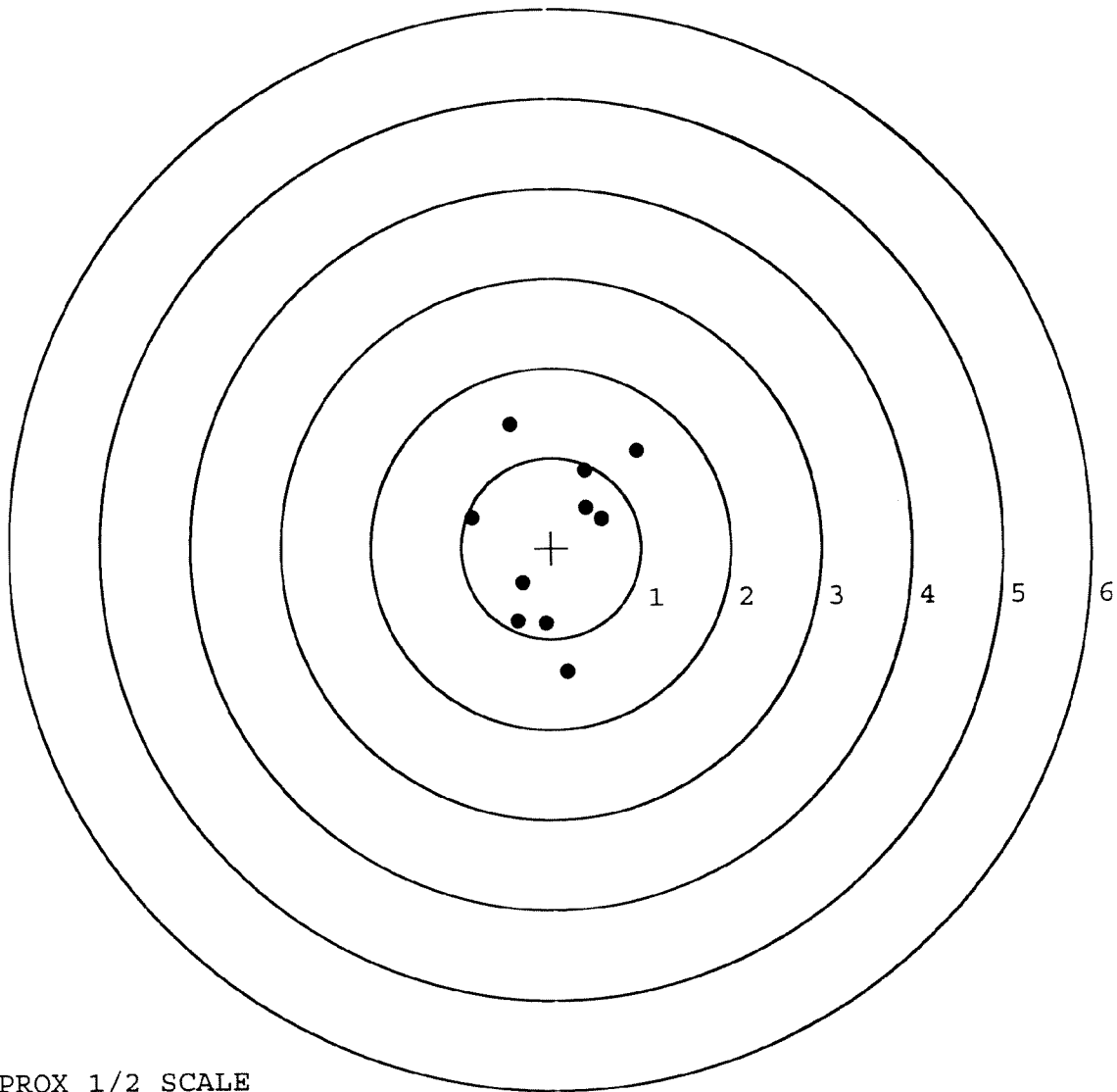


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523308.___0
TARGET NUMBER: 5
FILE DATE: 02/05/2008
FILE TIME: 07:27

X CENTROID: 0.037
Y CENTROID: 0.101
POA TO CENTROID: 0.108
HORZ SPREAD: 1.839
VERT SPREAD: 2.746
GROUP SPREAD: 2.813
MIN RADIUS: 0.491
MAX RADIUS: 1.478
MEAN RADIUS: 0.954
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.964	1.068
2:	0.382	0.856
3:	0.562	0.319
4:	0.390	0.442
5:	-0.444	1.375
6:	-0.875	0.336
7:	-0.323	-0.381
8:	-0.384	-0.801
9:	-0.070	-0.829
10:	0.167	-1.371



TARGET APPROX 1/2 SCALE

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

R & E NUMBER <u>139086</u>			
SERIAL NUMBER <u>C6523308</u>			
LOG-IN DATE <u>1-4-08</u>			

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-23-08	RTZ
505	RE-BARREL	1-24-08	RP
560	ASSEMBLE	1-24-08	RP
600	PROOF	1-24-08	TRW
605	CHECK HEADSPACE	1-24-08	TRW
610	DIS-ASSEMBLE GUN	1-24-08	RP
612	MAGNAFLUX	1-25-08	JB
510	DRILL AND TAP	1-25-08	TRW
615	ROLLMARK CALIBER	1-25-08	CW
618	ROTO-BLAST	1-25-08	DG
620	APPLY COATINGS	1-29-08	CW
625	FINAL ASSEMBLY	1-31-08	RTZ
640	FUNCTION TEST AND	2-1-08	TRW
650	TARGET	2-1-08	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	2-1-08	RP
	A) HEADSPACE	2-5-08	RP
	B) TRIGGER PULL	257 2.52 2.49 2.56 2.46 2.58	DA
680	F) SAFETY ON FORCE	4.5 4.0 4.0 2.5-8	DA
	G) SAFETY OFF FORCE	2.5 2.5 2.5 2.5-8	DA
	I) FIRING PIN INDENT	.024 .024 .0235 2.5-8	DA
690	PACK		




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

REG. U.S. PAT. & TM. OFF.

MODEL 700TM H24

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

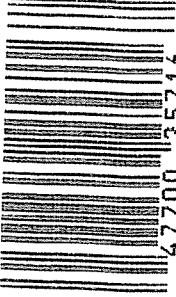
SERIAL NO.
C6523308

ORDER NO.
5715



5715 C6523308

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523308

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 25	90	RW
600	Proof	9 25	90	RW
607	Check Headspace	9 25	90	RW
610	Dis-assemble Gun	9 25	90	RW
612	Magnaflux Barrel Action		9-26-90	KR
	Magnaflux Bolt		9-26-90	KR
615	Rollmark Caliber		9-26-90	RB
617	Drill and Tap Sight Holes		9/27/90	FB
618	Polish Barrel RB		10/1/90	WB
620	Apply Coatings (Barrel Action)		10-5-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		10/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/8/90	RW
	C) Inspect Ejector Hole for Chamfer		10/8/90	RW
	D) Oil Firing Pin Ass'y		10/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/9/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			10/9/90	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			10/9/90	WB
	H) Trigger Pull Test & Retainability						10/9/90	WB
	I) Firing Pin Indent	.0225	.0225	.0225			10/9/90	WB
	J) Assemble Stock						10/22/90	RW
	K) Assemble Swivel Studs						11/19/90	928
	L) Attach Front and Rear Sight Assemblies						10/22/90	RW
	M) Iron Sight Alignment						10/22/90	RW
	N) Detach Front & Rear Sights & place in numbered container						10/22/90	RW
	O) Attach Scope to Rifle						10/24/90	RW
	P) Detach & Attach Scope 20 Times						10/24/90	RW
640	Gallery Target & Test						10-26-90	DH
	A) Time						10-26-90	DH
	B) Malfunctions						10-26-90	DH
	C) Pierced Primers						10-26-90	DH
	D) Optical Clarity of Scope						10-26-90	DH
645	Inspect for Live Ammo						10-26-90	DH
655	Final Inspection						11/19/90	928
	A) Headspace						11/19/90	928
	B) Trigger Pull	212	212	209	210	208	11/19/90	928
	C) Function						11/19/90	928
660	Pack						12-17-90	DH

MOD. _____		GA. CAL. _____	GUN # _____
# _____		CG523308	
TEST #	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	10-26-90 slur brass & don't eject Brass in ejector Hole	
	2nd	100th only 1/100th	
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	Reamer ejector Hole Y Polish Ejector	19 30 40 RW
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523308
DATE 10/9/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.48	2.42	2.12	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.48	2.13	2.12	
PULL #3	2.34	2.41	2.38	2.09	
PULL #4	2.32	2.46	2.56	2.10	
PULL #5	2.37	2.49	2.41	2.08	
TOTAL	11.74	12.32	11.90		
AVG.	2.35	2.46	2.38		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.13	3.20		
PULL #2	3.18	3.21		
PULL #3	3.15	3.19		
PULL #4	3.19	3.09		
PULL #5	3.10	3.15		
TOTAL	15.75	15.84		
AVG.	3.15	3.17		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.05		3.85
PULL #2	4.15	4.00		3.84
PULL #3	4.18	4.13		3.77
PULL #4	4.20	4.16		3.81
PULL #5	4.17	4.17		3.90
TOTAL	20.86	20.51		19.17
AVG.	4.17	4.10		3.83

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523308
26 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.329848
1 TO	2	.400562
1 TO	3	.405222
1 TO	4	.175377
1 TO	5	.366984

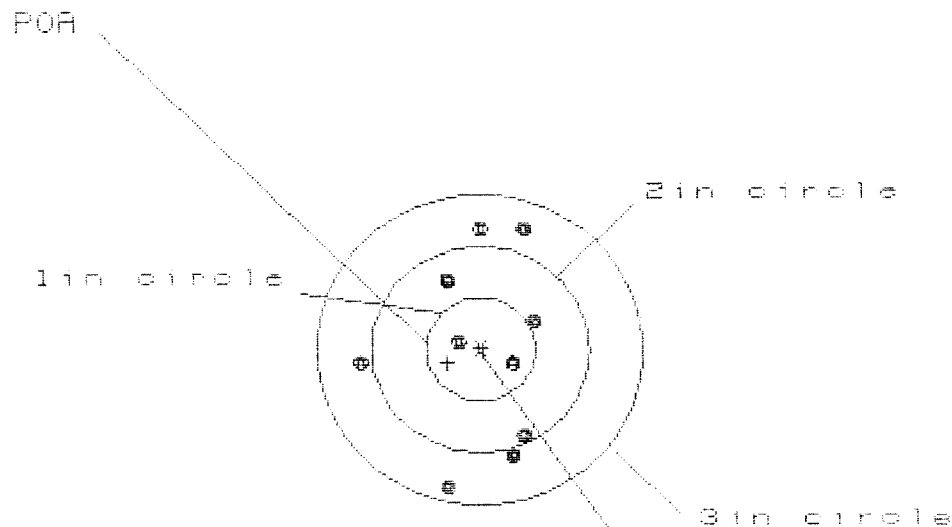
54 (----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0678
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0224
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0714045
THE RMR FOR THIS RIFLE IS: .7912

26 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523388

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 10

HS = 1.558

VS = 2.508

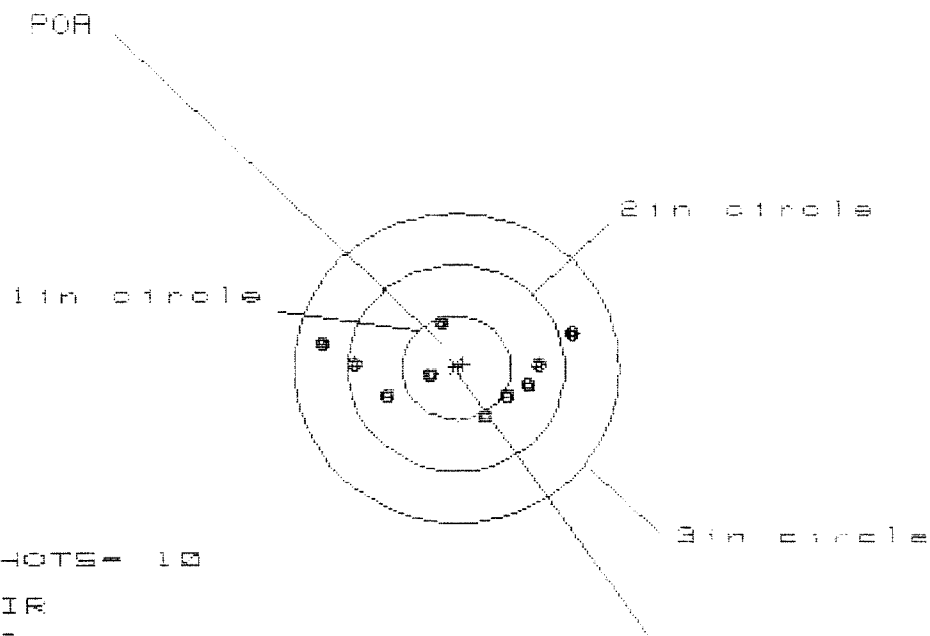
GS = 2.521

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.493	.462	.455
MINIMUM X	:	-1.065	-1.096	-1.103
MAXIMUM Y	:	1.205	1.060	1.115
MINIMUM Y	:	-1.304	-1.156	-1.023
CENTROID X	:	.304	.335	.342
CENTROID Y	:	.128	.273	.140
POA TO CENTROID in.	:	.336	.432	.370
MIN RADIUS	:	.192	.199	.220
MEAN RADIUS	:	.856	.791	.750
MAX RADIUS	:	1.332	1.179	1.159
HORIZONTAL SPREAD	:	1.558	1.558	1.558
VERTICAL SPREAD	:	2.509	2.216	2.138
EXTREME SPREAD	:	2.521	2.236	2.146
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

26 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523308

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 2.314

VS= .881

GS= 2.318

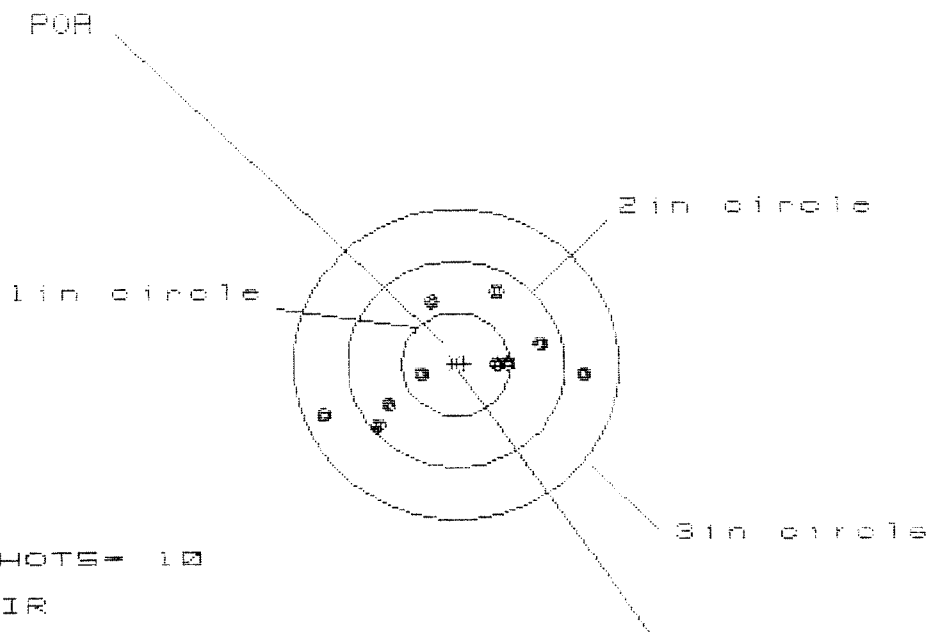
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.073	.935	.743
MINIMUM X	:	-1.241	-1.035	-.918
MAXIMUM Y	:	.467	.495	.546
MINIMUM Y	:	-.414	-.386	-.335
CENTROID X	:	-.061	.077	-.040
CENTROID Y	:	-.037	-.065	-.116
POA TO CENTROID in.	:	.072	.101	.122
MIN RADIUS	:	.244	.367	.243
MEAN RADIUS	:	.716	.640	.586
MAX RADIUS	:	1.265	1.037	.925
HORIZONTAL SPREAD	:	2.314	1.970	1.661
VERTICAL SPREAD	:	.881	.881	.881
EXTREME SPREAD	:	2.318	2.000	1.661
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

26 Oct 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8523308

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.364

VS= 1.326

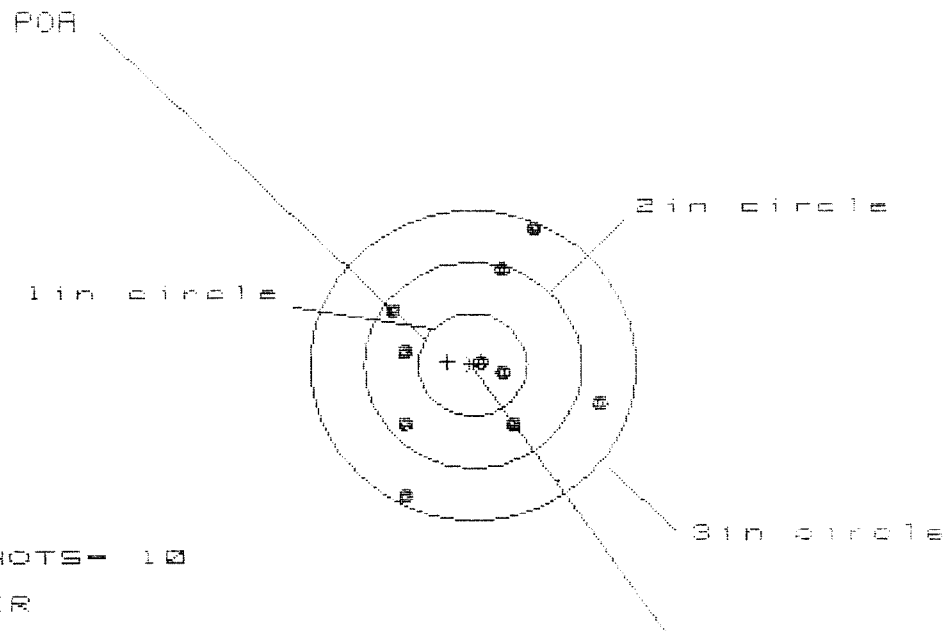
GS= 2.398

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.164	1.031	.789
MINIMUM X	:	-1.200	-.884	-.755
MAXIMUM Y	:	.716	.666	.653
MINIMUM Y	:	-.610	-.660	-.673
CENTROID X	:	-.077	.056	-.073
CENTROID Y	:	-.010	.040	.053
POA TO CENTROID in.	:	.078	.069	.080
MIN RADIUS	:	.329	.243	.349
MEAN RADIUS	:	.750	.670	.627
MAX RADIUS	:	1.283	1.103	1.012
HORIZONTAL SPREAD	:	2.364	1.915	1.545
VERTICAL SPREAD	:	1.326	1.326	1.326
EXTREME SPREAD	:	2.398	1.994	1.770
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			10	

26 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C85233B8

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.878

VS= 2.537

CS= 2.815

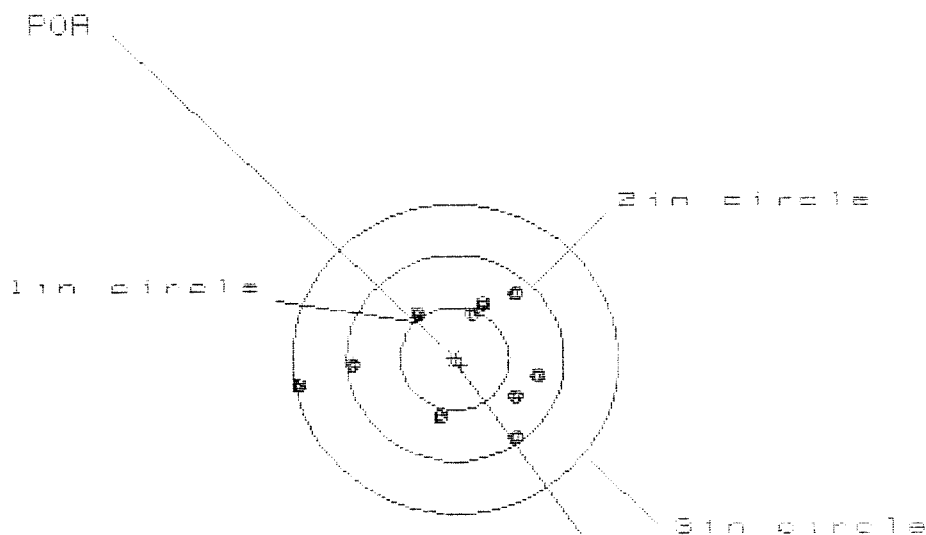
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.162	1.227	1.155
MINIMUM X	-0.716	-0.651	-0.723
MAXIMUM Y	1.317	1.060	0.926
MINIMUM Y	-1.230	-1.074	-0.593
CENTROID X	0.230	0.165	0.237
CENTROID Y	-0.031	-0.177	-0.043
POA TO CENTROID in.	0.232	0.242	0.241
MIN RADIUS	0.051	0.175	0.042
MEAN RADIUS	0.844	0.779	0.701
MAX RADIUS	1.439	1.245	1.205
HORIZONTAL SPREAD	1.878	1.878	1.878
VERTICAL SPREAD	2.537	2.134	1.519
EXTREME SPREAD	2.815	2.314	2.066
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

26 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523308

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 9

3 in = 10

HS= 2.256

VS= 1.439

GS= 2.257

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.799	.638	.497
MINIMUM X	:	-1.456	-1.123	-.657
MAXIMUM Y	:	.651	.627	.620
MINIMUM Y	:	-.788	-.812	-.819
CENTROID X	:	-.057	.105	.246
CENTROID Y	:	.062	.086	.093
POA TO CENTROID in.	:	.084	.136	.263
MIN RADIUS	:	.479	.431	.451
MEAN RADIUS	:	.790	.688	.616
MAX RADIUS	:	1.472	1.125	.847
HORIZONTAL SPREAD	:	2.256	1.761	1.154
VERTICAL SPREAD	:	1.439	1.439	1.439
EXTREME SPREAD	:	2.257	1.764	1.528
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	