

C6349040

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*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: **RE00102797** Serial: C6349040 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 9:47:30 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **PR W7LZ CAMP SHELBY DET 57**

Address 1: **OEF TRAINING BDE ROTATION**

Address 2: **BLDG 6520 WAREHOUSE AVE** PO Box:

City: **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US**

State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information:

Phone: **601-558-4593**

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
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search Refresh Close

no[etj] 10/26/2005 9:44 AM CAPS NUM INS SCPL

start 2 2 3 Arms S

Serial Number: **C6349040**

Model: **M24 SWS**



RE00102797

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349040.___0

FILE DATE AND TIME: 11/22/2005 22:21

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.015
The Average Y Centroid of the Five Target Set:	0.022
The Average Point of Impact of the Five Target Set:	0.026
The Average Mean Radius of the Five Target Set:	0.710
The Distance from POA to Centroid Target #1:	0.197
The Distance from Centroid Target #2 to Centroid Target #1:	0.074
The Distance from Centroid Target #3 to Centroid Target #1:	0.465
The Distance from Centroid Target #4 to Centroid Target #1:	0.290
The Distance from Centroid Target #5 to Centroid Target #1:	0.170

SERIAL NUMBER: C6349040. __0

TARGET NUMBER: 1

FILE DATE: 11/22/2005

FILE TIME: 22:21

X CENTROID: -0.126

Y CENTROID: 0.152

POA TO CENTROID: 0.197

HORZ SPREAD: 1.804

VERT SPREAD: 1.835

GROUP SPREAD: 2.047

MIN RADIUS: 0.372

MAX RADIUS: 1.141

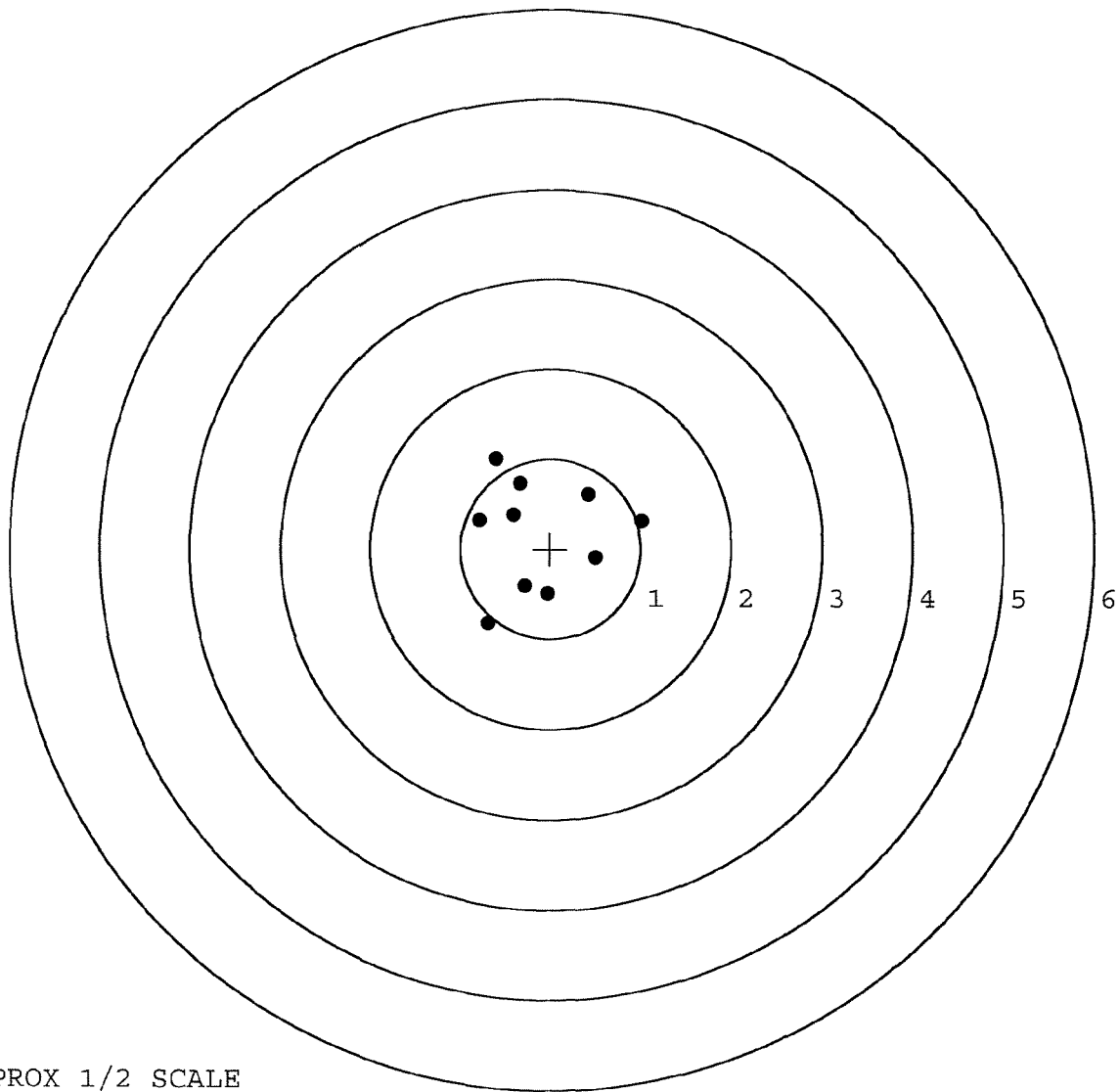
MEAN RADIUS: 0.758

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.416	0.384
2:	-0.343	0.732
3:	-0.611	1.005
4:	-0.800	0.323
5:	0.417	0.613
6:	1.004	0.312
7:	0.500	-0.100
8:	-0.032	-0.502
9:	-0.283	-0.418
10:	-0.695	-0.830

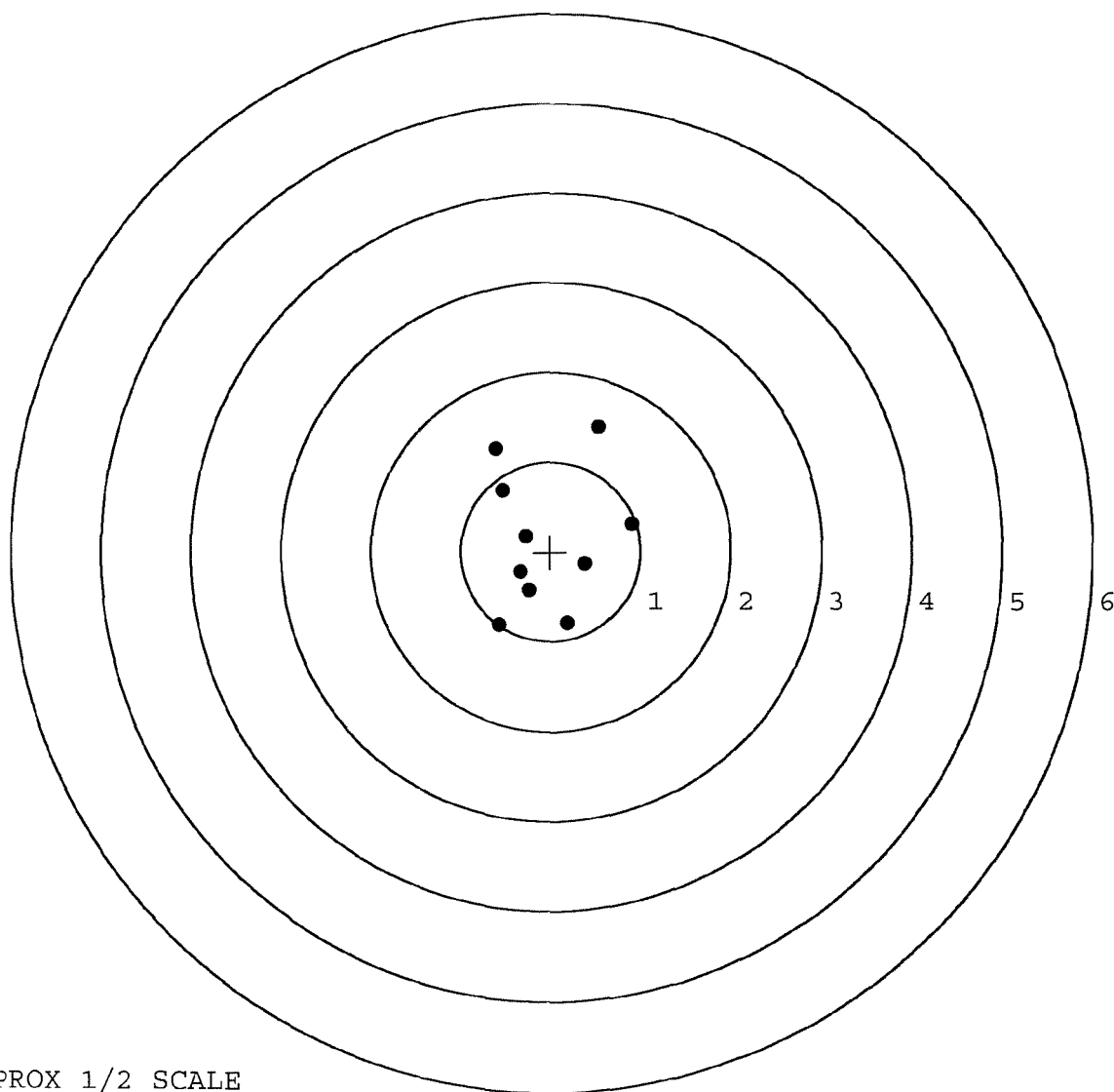


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349040. __0
TARGET NUMBER: 2
FILE DATE: 11/22/2005
FILE TIME: 22:21

X CENTROID: -0.056
Y CENTROID: 0.128
POA TO CENTROID: 0.140
HORZ SPREAD: 1.522
VERT SPREAD: 2.214
GROUP SPREAD: 2.473
MIN RADIUS: 0.227
MAX RADIUS: 1.393
MEAN RADIUS: 0.810
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.330	-0.231
2:	-0.234	-0.436
3:	0.381	-0.134
4:	-0.572	-0.821
5:	0.199	-0.803
6:	0.903	0.308
7:	-0.279	0.170
8:	-0.536	0.684
9:	-0.619	1.153
10:	0.529	1.393

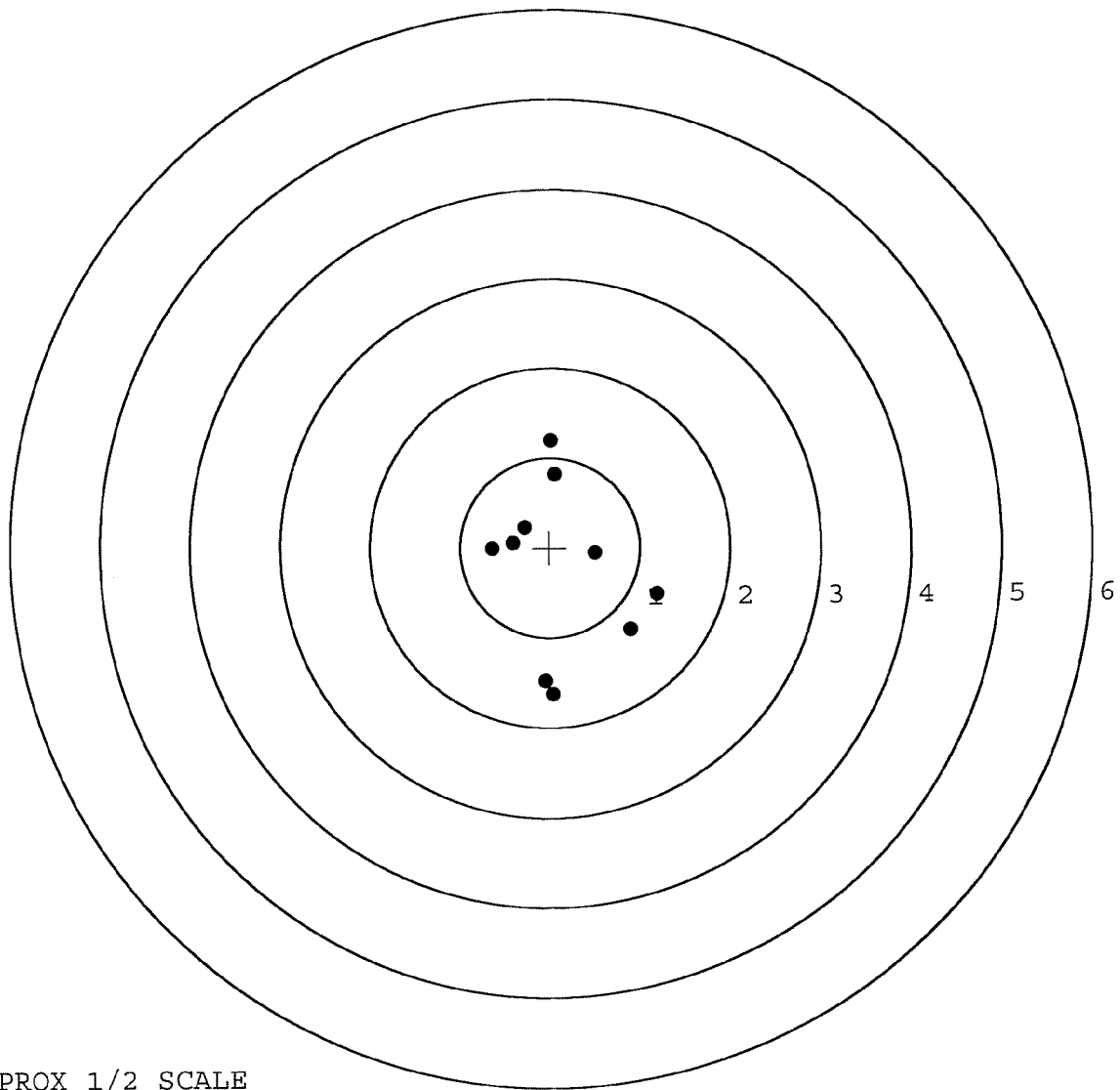


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349040. __0
TARGET NUMBER: 3
FILE DATE: 11/22/2005
FILE TIME: 22:21

X CENTROID: 0.130
Y CENTROID: -0.237
POA TO CENTROID: 0.270
HORZ SPREAD: 1.824
VERT SPREAD: 2.825
GROUP SPREAD: 2.825
MIN RADIUS: 0.409
MAX RADIUS: 1.428
MEAN RADIUS: 0.972
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.279	0.227
2:	-0.408	0.058
3:	-0.642	-0.009
4:	0.063	0.818
5:	0.020	1.187
6:	0.501	-0.064
7:	1.182	-0.533
8:	0.892	-0.922
9:	0.028	-1.638
10:	-0.057	-1.492

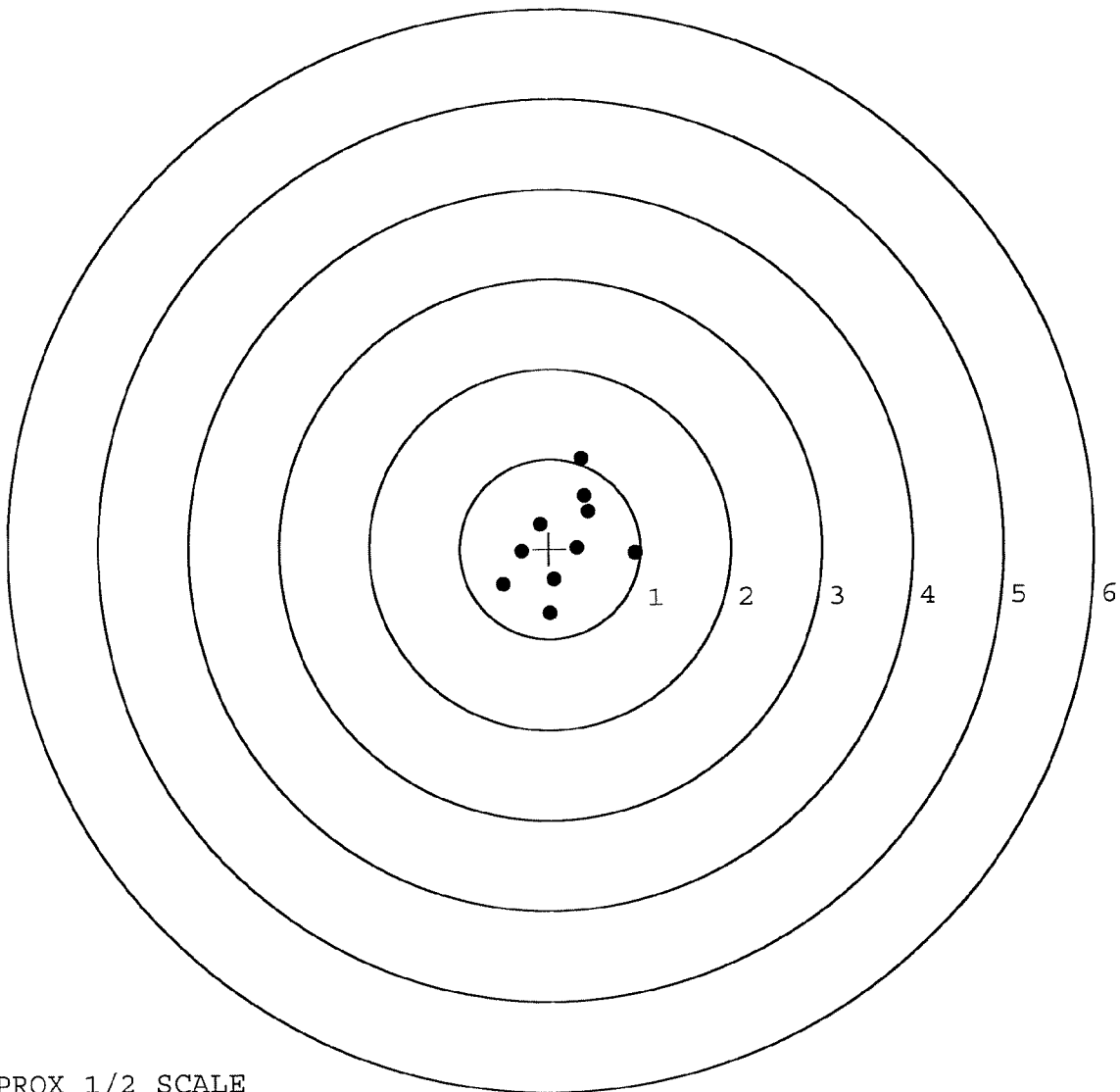


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349040.___0
TARGET NUMBER: 4
FILE DATE: 11/22/2005
FILE TIME: 22:21

X CENTROID: 0.154
Y CENTROID: 0.075
POA TO CENTROID: 0.171
HORZ SPREAD: 1.456
VERT SPREAD: 1.723
GROUP SPREAD: 1.758
MIN RADIUS: 0.160
MAX RADIUS: 0.948
MEAN RADIUS: 0.578
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.300	0.010
2:	0.050	-0.346
3:	-0.515	-0.394
4:	-0.101	0.276
5:	0.387	0.593
6:	0.433	0.416
7:	0.941	-0.057
8:	0.355	1.001
9:	0.005	-0.722
10:	-0.313	-0.028

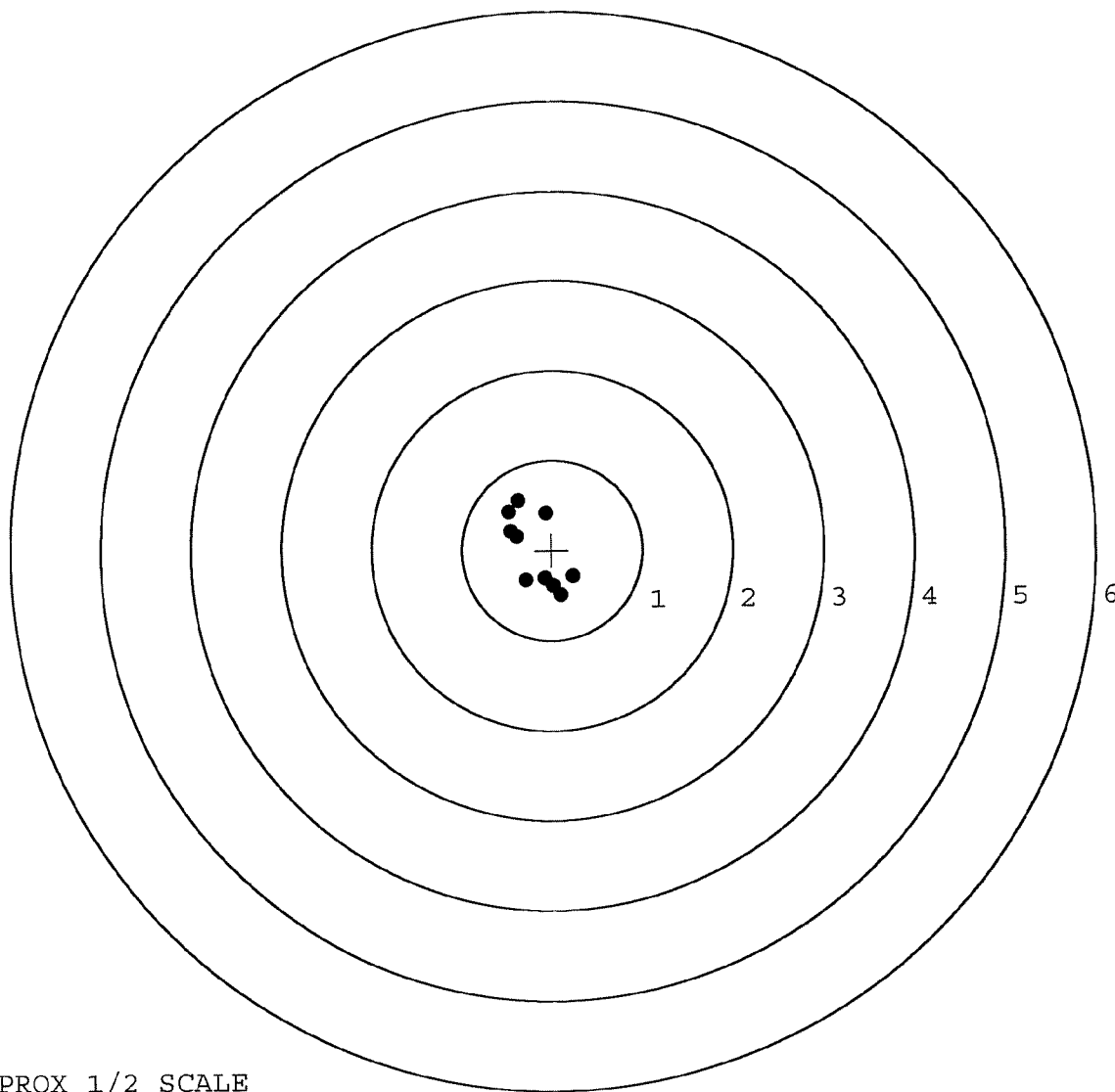


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349040.___0
TARGET NUMBER: 5
FILE DATE: 11/22/2005
FILE TIME: 22:21

X CENTROID: -0.177
Y CENTROID: -0.011
POA TO CENTROID: 0.178
HORZ SPREAD: 0.713
VERT SPREAD: 1.053
GROUP SPREAD: 1.153
MIN RADIUS: 0.266
MAX RADIUS: 0.594
MEAN RADIUS: 0.433
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.061	0.407
2:	-0.367	0.552
3:	-0.479	0.422
4:	-0.455	0.207
5:	-0.392	0.147
6:	-0.292	-0.336
7:	-0.079	-0.316
8:	0.014	-0.394
9:	0.103	-0.501
10:	0.234	-0.294



TARGET APPROX 1/2 SCALE

CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	102797		
SERIAL NUMBER	CAMP SHELB4 C 6349040		
LOG-IN DATE	11-205		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIALS
550	DIS-ASSEMBLE GUN	11-2-05	AC
560 A	RE-BARREL	11-7-05	AC
B	DRILL AND TAP	11-11-05	BR
575	ASSEMBLE	11-14-05	CD
600	PROOF	11-14-05	CD
605	CHECK HEADSPACE	11-14-05	CD
610	DIS-ASSEMBLE GUN	11-14-05	CD
612	MAGNAFLUX OPERATOR <i>W. G. G. G.</i>	11-15-05	W. G. G. G.
615	ROLLMARK CALIBER	11-15-05	CW
618	ROTO-BLAST	11-16-05	LB
620	APPLY COATINGS	11-16-05	HP
625 A	FINAL ASSEMBLY	11-17-05	BR
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	11-23-05	AC
D	SAFETY "OFF" FORCE	11-23-05	AC
E	FIRING PIN INDENT	11-23-05	AC
640	TARGET	11-22-05	W. G. G. G.
655	FINAL INSPECT	11-23-05	AC
660	PACK	12-1-05	BR
		SHIP DATE	
		QAR INSPECTION DATE	



MODEL 700™ H24



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

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

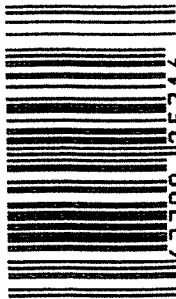
SERIAL NO. C6349040	Ø1
ORDER NO. 5716	

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



5716 C6349040

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349040

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 12 90	1/12/90	RW
600	Proof	1 12 90	1/12/90	RW
607	Check Headspace	1 12 90	1/12/90	RW
610	Dis-assemble Gun	1 12 90	1/12/90	RW
612	Magnaflux Barrel Action	1-16-90	1/16/90	KCR
	Magnaflux Bolt	1-17-90	1/17/90	KCR
615	Rollmark Caliber		1/17/90	ES
617	Drill and Tap Sight Holes		1/19/90	FB
618	Polish Barrel RB		1/20/90	WB
620	Apply Coatings (Barrel Action)		1/20/90	TH
	Apply Coating (Bolt)		1/20/90	TH
625	Final Assembly		1/24/90	WB
	A) Clean inside of Bolt Assembly		1/24/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/24/90	RW
	C) Inspect Ejector Hole for Chamfer		1/24/90	RW
	D) Oil Firing Pin Ass'y		1/24/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		3/1/90	928

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	6	6	6	1-31-90	JP
	G) Safety Off Force	3	3	3	1-31-90	JP
	H) Trigger Pull Test & Retainability				3/10/90	JS
	I) Firing Pin Indent	.023	.023	.023	1-31-90	JP
	J) Assemble Stock				2/27/90	RW
	K) Assemble Swivel Studs				3/15/90	WB
	L) Attach Front and Rear Sight Assemblies				2/27/90	RW
	M) Iron Sight Alignment				2/27/90	RW
	N) Detach Front & Rear Sights & place in numbered container				2/27/90	RW
	O) Attach Scope to Rifle				2/27/90	WB
	P) Detach & Attach Scope 20 Times				2/27/90	WB
640	Gallery Target & Test				2-27-90	AC
	A) Time				2-27-90	AC
	B) Malfunctions				2-27-90	AC
	C) Pierced Primers				2-27-90	AC
	D) Optical Clarity of Scope				2-27-90	AC
645	Inspect for Live Ammo				2-27-90	AC
655	Final Inspection					
	A) Headspace				15/16/90	JS
	B) Trigger Pull	2.37	2.10	2.22	15/16/90	JS
	C) Function				15/16/90	JS
660	Pack				19/10/90	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6349040

DATE 31 Jan 90

TESTER 1/28

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.63	2.43	2.65	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.48	2.40	2.10	
PULL #3	2.57	2.51	2.40	2.21	
PULL #4	2.61	2.47	2.41	2.21	
PULL #5	2.51	2.34	2.39	2.22	
TOTAL	12.78	12.23	12.35	11.16	
AVG.	2.556	2.446	2.47	2.232	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.12		
PULL #2	3.23	3.11		
PULL #3	3.25	3.10		
PULL #4	3.23	3.07		
PULL #5	3.24	3.19		
TOTAL	16.21	15.59		
AVG.	3.242	3.118		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.06	4.10		4.19
PULL #2	4.07	4.19		4.24
PULL #3	4.02	4.24		4.28
PULL #4	4.05	4.31		4.28
PULL #5	4.16	4.30		4.27
TOTAL	20.36	21.14		21.26
AVG.	4.072	4.228		4.252

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349040
28 Feb 1990

CENTROIDAL DISTANCES

0 TO	1	.222081
1 TO	2	.060803
1 TO	3	.795016
1 TO	4	.496424
1 TO	5	.844076

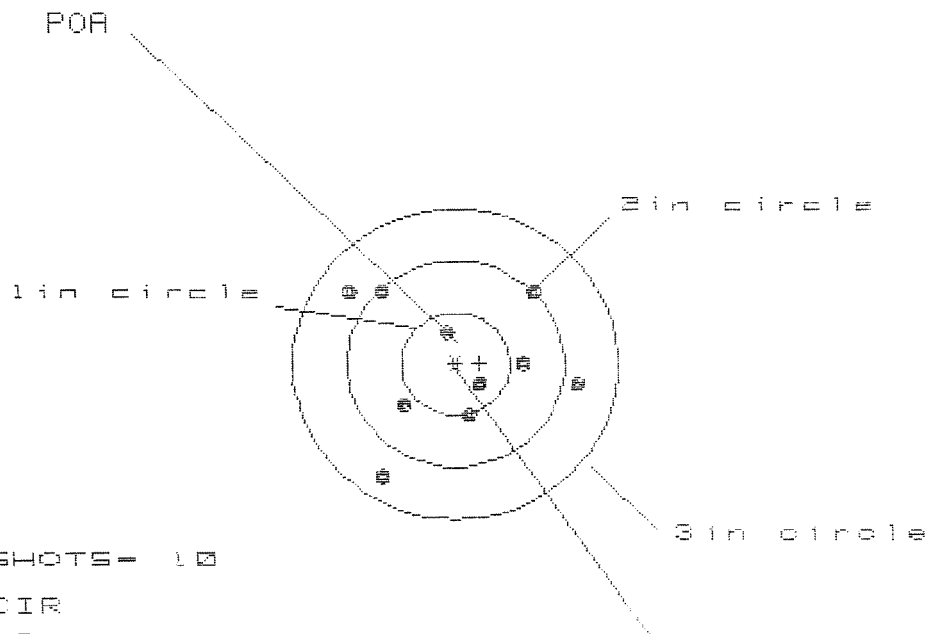
$\frac{3}{5} \leftarrow \text{POA}$

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1544
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0414
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .159854
THE AMR FOR THIS RIFLE IS: .9738

17 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08848040

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.136

VS= 1.819

GS= 2.330

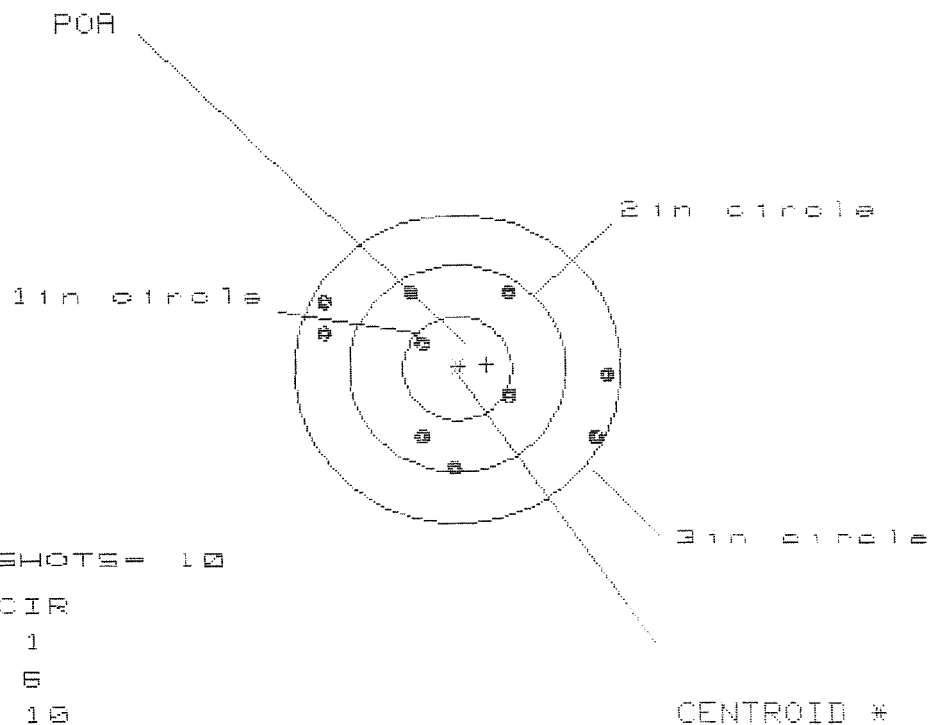
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.161	1.082	.956
MINIMUM X	-.975	-1.054	-.844
MAXIMUM Y	.732	.612	.684
MINIMUM Y	-1.087	-.621	-.549
CENTROID X	-.222	-.143	-.011
CENTROID Y	-.006	.114	.042
POA TO CENTROID in.	.222	.183	.043
MIN RADIUS	.265	.195	.231
MEAN RADIUS	.791	.730	.655
MAX RADIUS	1.301	1.203	1.086
HORIZONTAL SPREAD	2.136	2.136	1.794
VERTICAL SPREAD	1.819	1.233	1.233
EXTREME SPREAD	2.330	2.330	2.037
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

27 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08045040

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.600

VS= 1.662

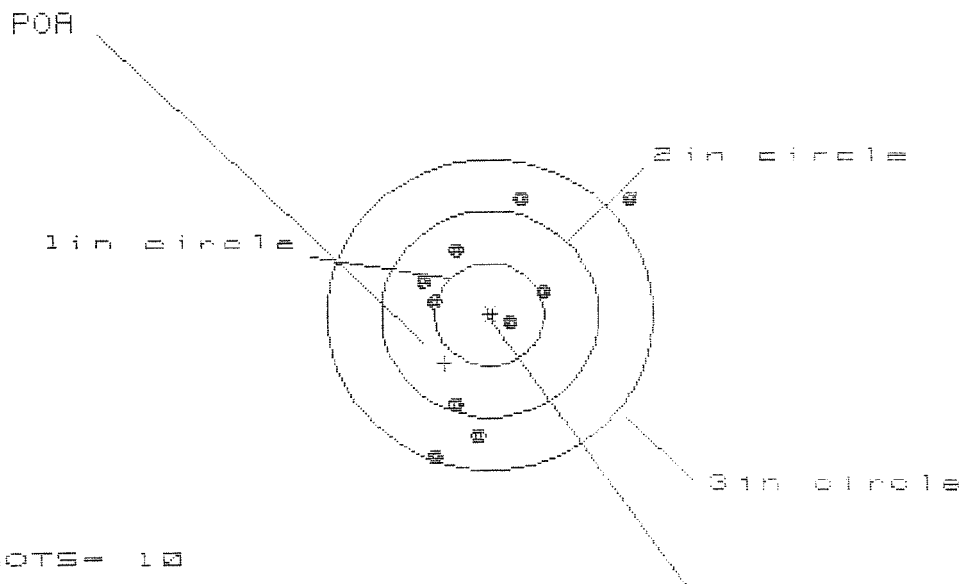
GS= 2.776

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.326	1.466	1.336
MINIMUM X	:	-1.274	-1.134	-1.264
MAXIMUM Y	:	.733	.660	.733
MINIMUM Y	:	-.929	-1.002	-.929
CENTROID X	:	-.271	-.411	-.281
CENTROID Y	:	-.042	.031	-.042
POA TO CENTROID in.	:	.274	.412	.284
MIN RADIUS	:	.370	.218	.363
MEAN RADIUS	:	.972	.904	.868
MAX RADIUS	:	1.422	1.477	1.340
HORIZONTAL SPREAD	:	2.600	2.600	2.600
VERTICAL SPREAD	:	1.662	1.662	1.662
EXTREME SPREAD	:	2.776	2.632	2.632
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

27 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349840

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 1.933

VS= 2.550

GS= 3.137

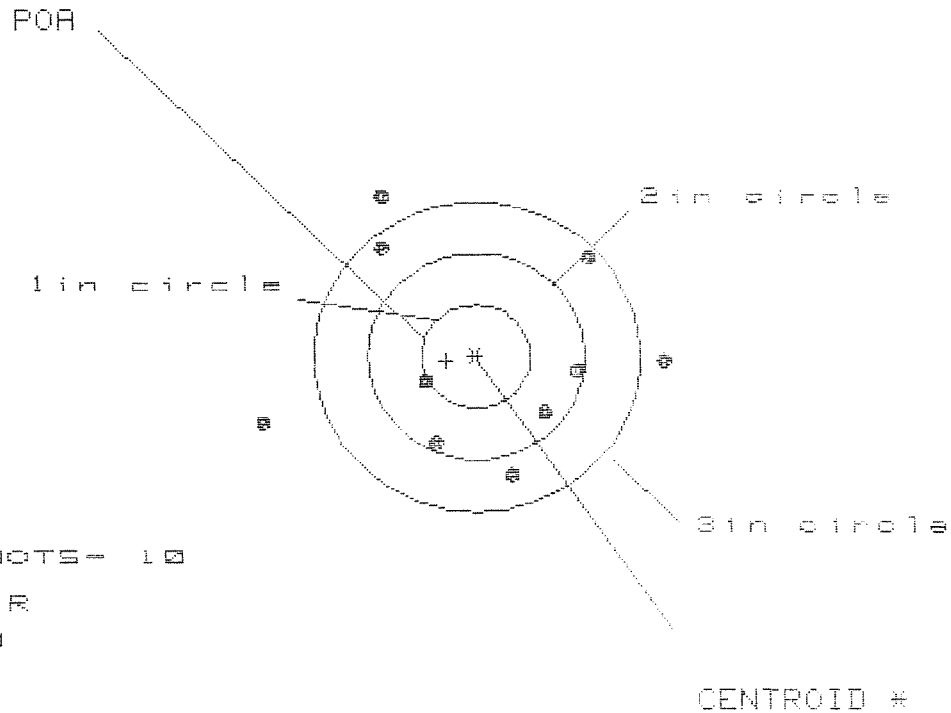
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.338	.649	.687
MINIMUM X	:	-.595	-.447	-.489
MAXIMUM Y	:	1.174	1.216	1.060
MINIMUM Y	:	-1.376	-1.245	-1.151
CENTROID X	:	.411	.263	.305
CENTROID Y	:	.475	.344	.580
POA TO CENTROID in.	:	.628	.433	.586
MIN RADIUS	:	.218	.362	.327
MEAN RADIUS	:	.894	.790	.704
MAX RADIUS	:	1.780	1.291	1.151
HORIZONTAL SPREAD	:	1.933	1.096	1.096
VERTICAL SPREAD	:	2.550	2.461	2.211
EXTREME SPREAD	:	3.137	2.569	2.243
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

27 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8349040

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 7

HS= 3.631

VS= 2.709

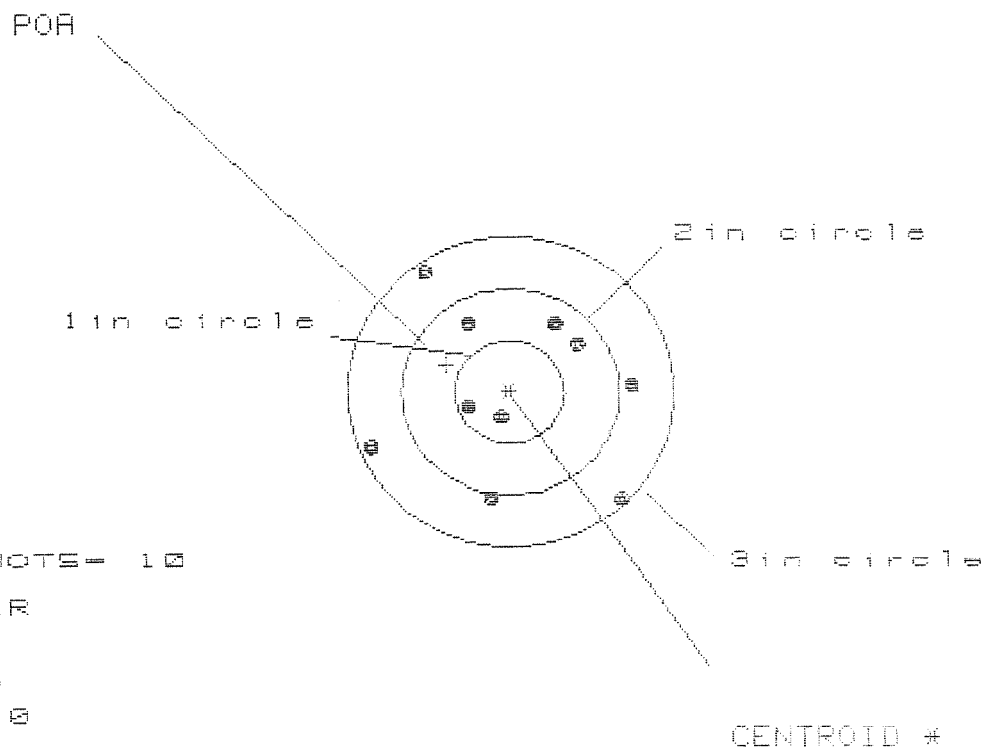
GS= 3.679

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.682	1.465	1.325
MINIMUM X	-1.949	-1.119	-1.202
MAXIMUM Y	1.544	1.472	1.170
MINIMUM Y	-1.165	-1.237	-1.053
CENTROID X	.272	.489	.629
CENTROID Y	.043	.115	-.069
POA TO CENTROID in.	.276	.502	.633
MIN RADIUS	.528	.702	.471
MEAN RADIUS	1.260	1.158	1.020
MAX RADIUS	2.054	1.849	1.677
HORIZONTAL SPREAD	3.631	2.584	2.527
VERTICAL SPREAD	2.709	2.709	2.223
EXTREME SPREAD	3.679	3.040	2.762
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	7	

27 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06049040

CENTERFIRE PATTERNS # 5



OF SHOTS= 10
IN CIR
1in = 2
2in = 5
3in = 10
HS= 2.328
VS= 2.203
GS= 2.885

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.093	1.209	1.121
MINIMUM X	:	-1.235	-1.119	-1.208
MAXIMUM Y	:	1.136	1.018	.712
MINIMUM Y	:	-1.067	-1.151	-1.024
CENTROID X	:	.582	.466	.554
CENTROID Y	:	-.263	-.145	-.272
POA TO CENTROID in.	:	.639	.488	.618
MIN RADIUS	:	.281	.380	.264
MEAN RADIUS	:	.952	.883	.826
MAX RADIUS	:	1.490	1.312	1.330
HORIZONTAL SPREAD	:	2.328	2.328	2.328
VERTICAL SPREAD	:	2.203	2.169	1.736
EXTREME SPREAD	:	2.885	2.408	2.408