

C6349091

MODEL 700TM M24

Model **SMS** TM

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: **RE00102794** Serial: 06349091 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 8:47:19 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

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

Address 1: **OEF TRAINING BDE ROTATION** **OEF TRAINING BDE ROTATION**

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

City: **CAMP SHELBY** **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

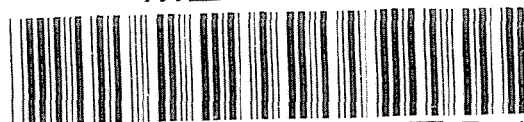
Repair Search Refresh Close

negletj 10/26/2005 9:44 AM CAPS NUM INS SCPL

start 2 2 3 Arms S

Serial Number: **C6349091**

Model: **M24 SWS**



RE00102794

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349091.___0
FILE DATE AND TIME: 11/28/2005 23:12

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.126
The Average Y Centroid of the Five Target Set:	-0.002
The Average Point of Impact of the Five Target Set:	0.126
The Average Mean Radius of the Five Target Set:	0.694
The Distance from POA to Centroid Target #1:	0.304
The Distance from Centroid Target #2 to Centroid Target #1:	0.599
The Distance from Centroid Target #3 to Centroid Target #1:	0.233
The Distance from Centroid Target #4 to Centroid Target #1:	0.327
The Distance from Centroid Target #5 to Centroid Target #1:	0.207

SERIAL NUMBER: C6349091. __0

TARGET NUMBER: 1

FILE DATE: 11/28/2005

FILE TIME: 23:12

POINT#	X	Y
1:	0.234	-0.252
2:	-0.024	-0.450
3:	-0.292	-0.275
4:	-0.555	-0.214
5:	-0.427	0.085
6:	0.008	0.469
7:	0.216	0.269
8:	0.628	0.197
9:	1.062	1.066
10:	0.874	1.613

X CENTROID: 0.172

Y CENTROID: 0.251

POA TO CENTROID: 0.304

HORZ SPREAD: 1.617

VERT SPREAD: 2.063

GROUP SPREAD: 2.319

MIN RADIUS: 0.047

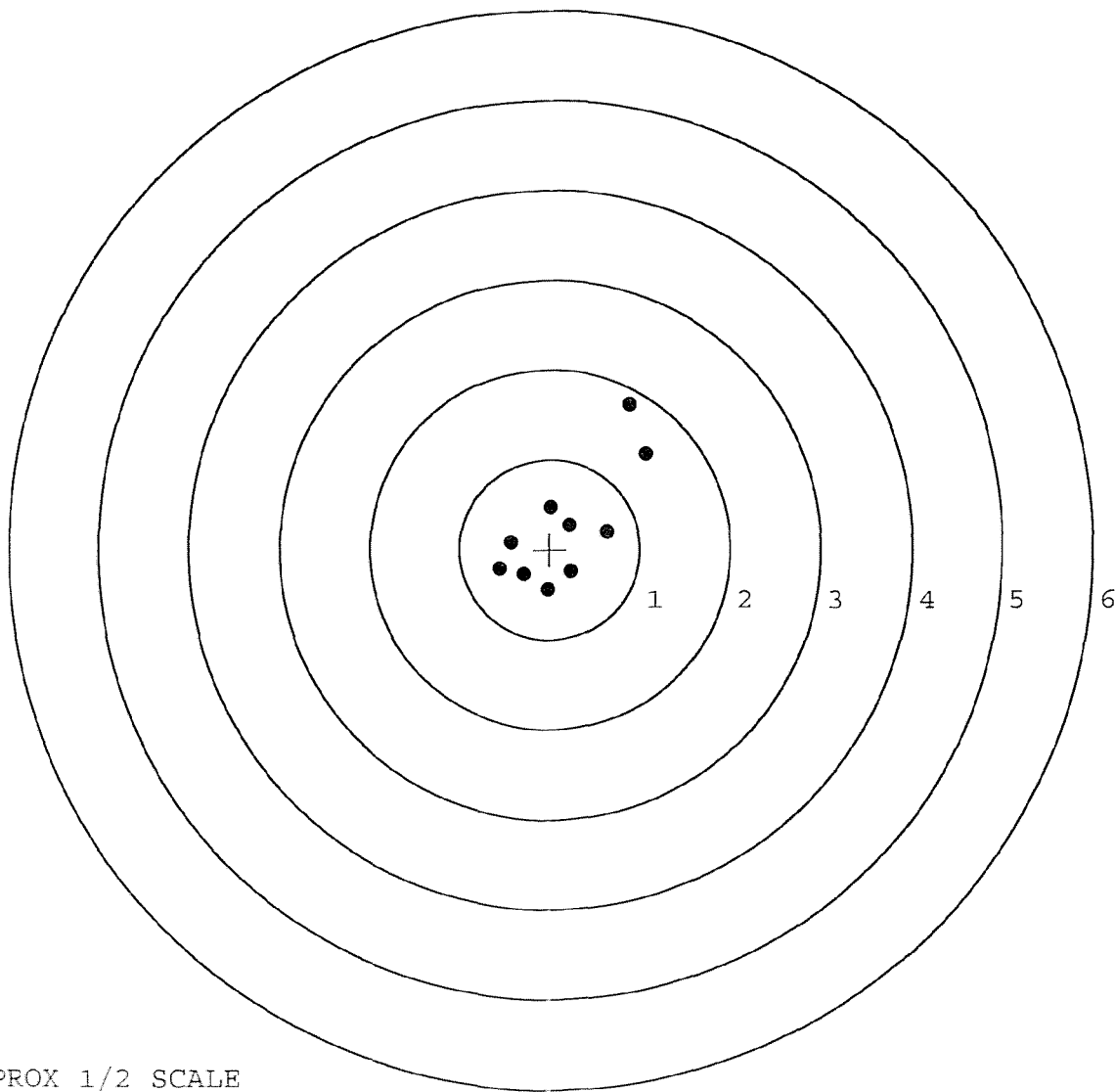
MAX RADIUS: 1.532

MEAN RADIUS: 0.694

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

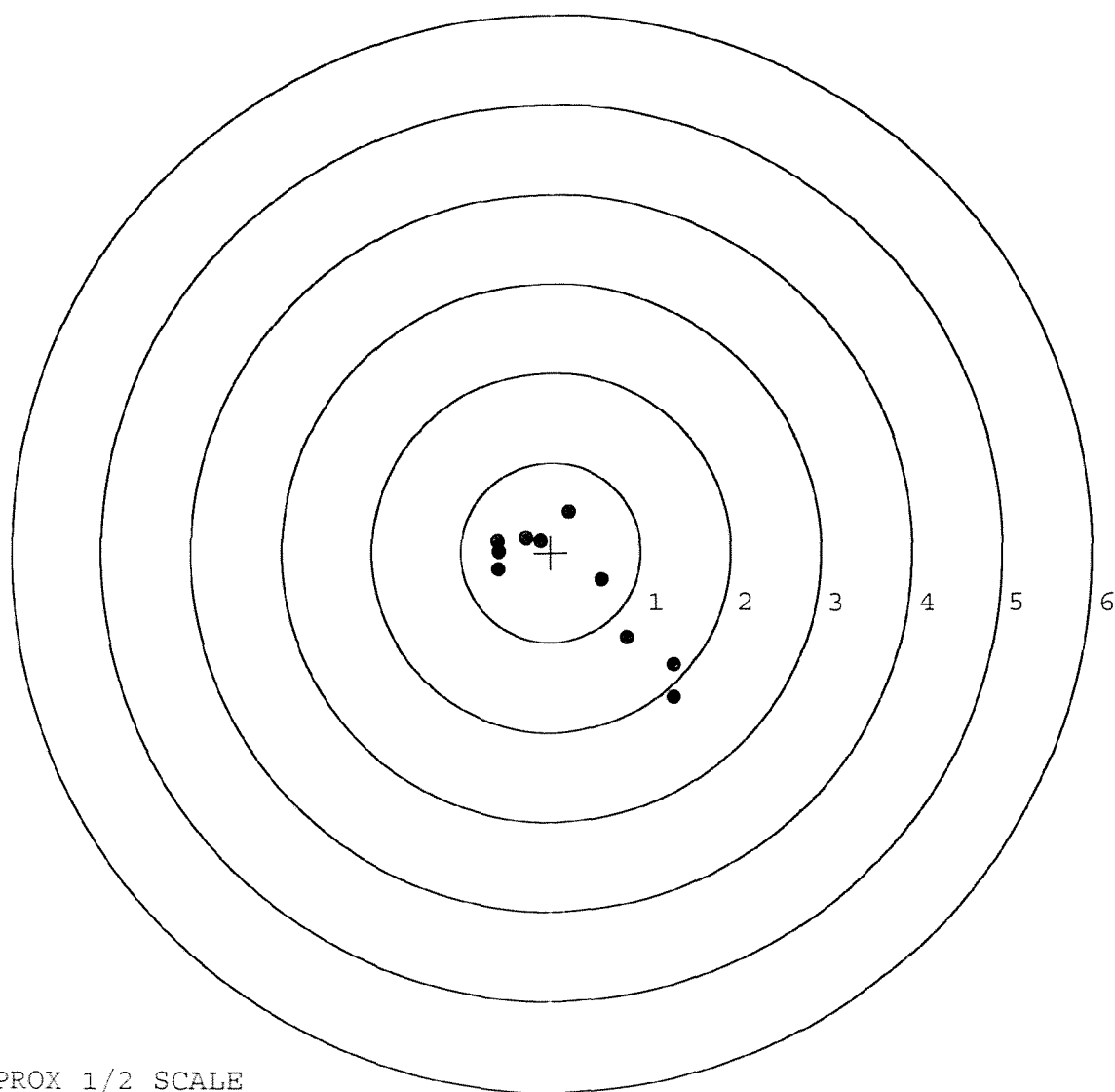


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349091. __0
TARGET NUMBER: 2
FILE DATE: 11/28/2005
FILE TIME: 23:12

POINT#	X	Y
1:	0.566	-0.312
2:	0.845	-0.954
3:	1.370	-1.259
4:	1.372	-1.615
5:	-0.126	0.129
6:	-0.283	0.161
7:	-0.588	0.121
8:	-0.578	0.010
9:	-0.585	-0.195
10:	0.198	0.453

X CENTROID: 0.219
Y CENTROID: -0.346
POA TO CENTROID: 0.410
HORZ SPREAD: 1.960
VERT SPREAD: 2.068
GROUP SPREAD: 2.618
MIN RADIUS: 0.349
MAX RADIUS: 1.714
MEAN RADIUS: 0.913
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349091. __0

TARGET NUMBER: 3

FILE DATE: 11/28/2005

FILE TIME: 23:12

POINT#	X	Y
1:	0.243	0.760
2:	0.282	0.615
3:	0.355	0.418
4:	0.427	-0.402
5:	0.082	-0.372
6:	0.166	-0.528
7:	0.042	-0.795
8:	-0.269	0.008
9:	-0.252	0.318
10:	-0.452	0.433

X CENTROID: 0.062

Y CENTROID: 0.046

POA TO CENTROID: 0.077

HORZ SPREAD: 0.879

VERT SPREAD: 1.555

GROUP SPREAD: 1.568

MIN RADIUS: 0.334

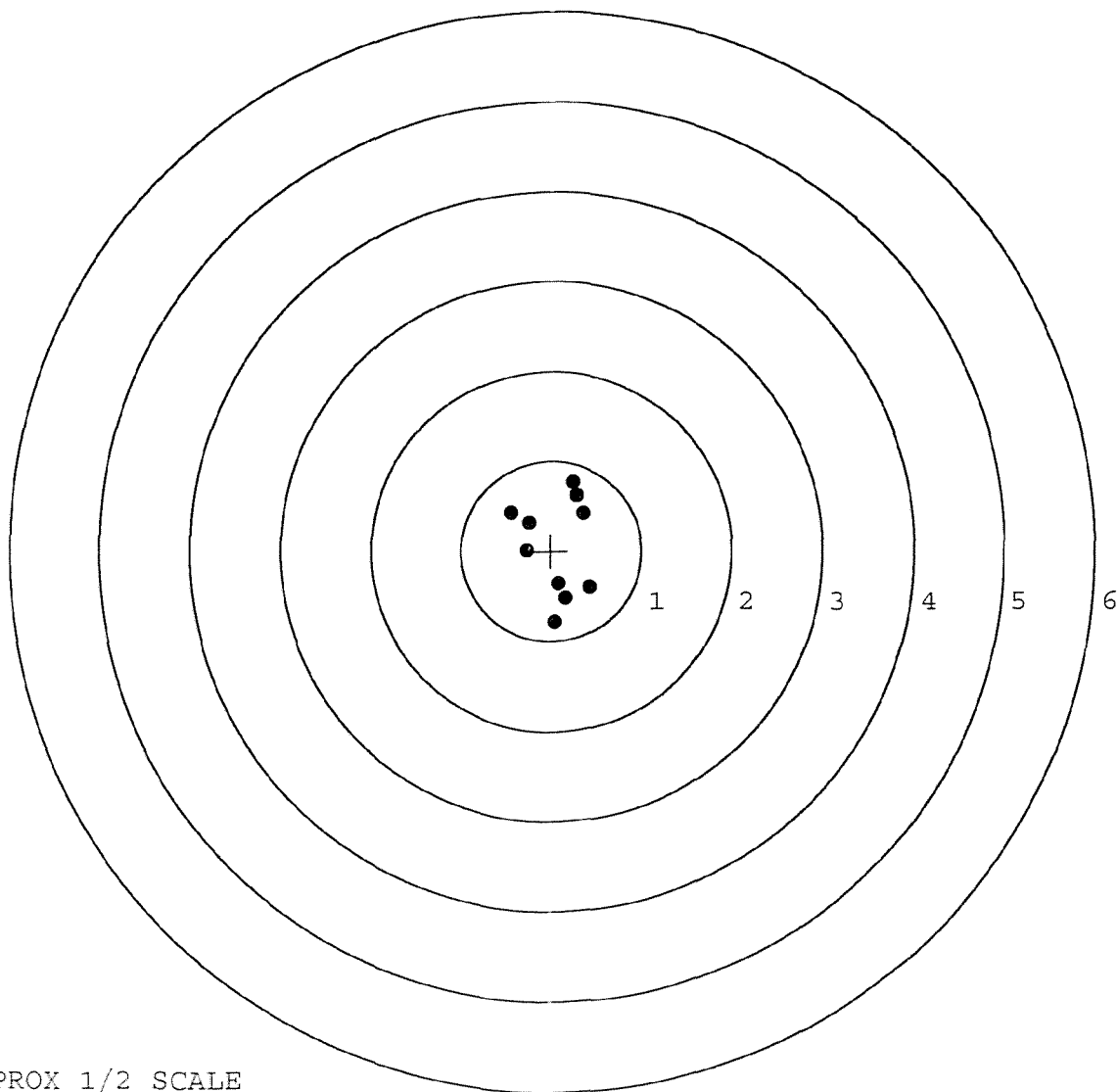
MAX RADIUS: 0.841

MEAN RADIUS: 0.563

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349091. __0

TARGET NUMBER: 4

FILE DATE: 11/28/2005

FILE TIME: 23:12

POINT#	X	Y
1:	0.018	-0.353
2:	-0.380	-0.093
3:	-0.324	0.383
4:	-0.172	1.029
5:	0.599	0.508
6:	0.733	0.360
7:	0.579	-0.507
8:	0.460	-1.120
9:	-0.563	-1.433
10:	0.678	0.467

X CENTROID: 0.163

Y CENTROID: -0.076

POA TO CENTROID: 0.180

HORZ SPREAD: 1.296

VERT SPREAD: 2.462

GROUP SPREAD: 2.493

MIN RADIUS: 0.313

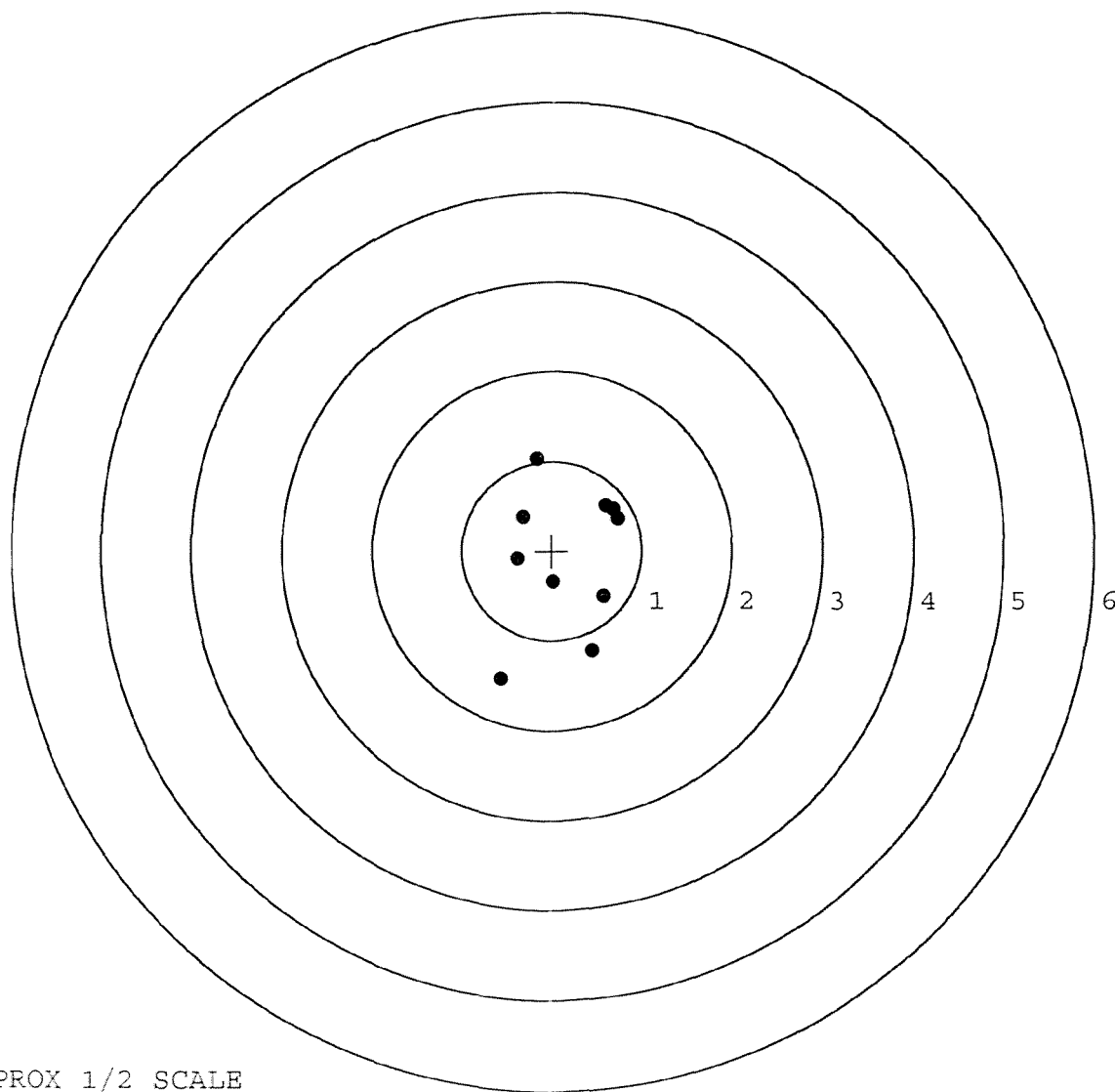
MAX RADIUS: 1.539

MEAN RADIUS: 0.810

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349091. __0

TARGET NUMBER: 5

FILE DATE: 11/28/2005

FILE TIME: 23:12

POINT#	X	Y
1:	0.244	0.904
2:	0.302	0.746
3:	0.161	0.533
4:	-0.004	0.392
5:	-0.102	0.140
6:	0.217	0.146
7:	-0.305	-0.110
8:	-0.132	-0.360
9:	-0.155	-0.513
10:	-0.092	-0.703

X CENTROID: 0.013

Y CENTROID: 0.117

POA TO CENTROID: 0.118

HORZ SPREAD: 0.607

VERT SPREAD: 1.607

GROUP SPREAD: 1.642

MIN RADIUS: 0.118

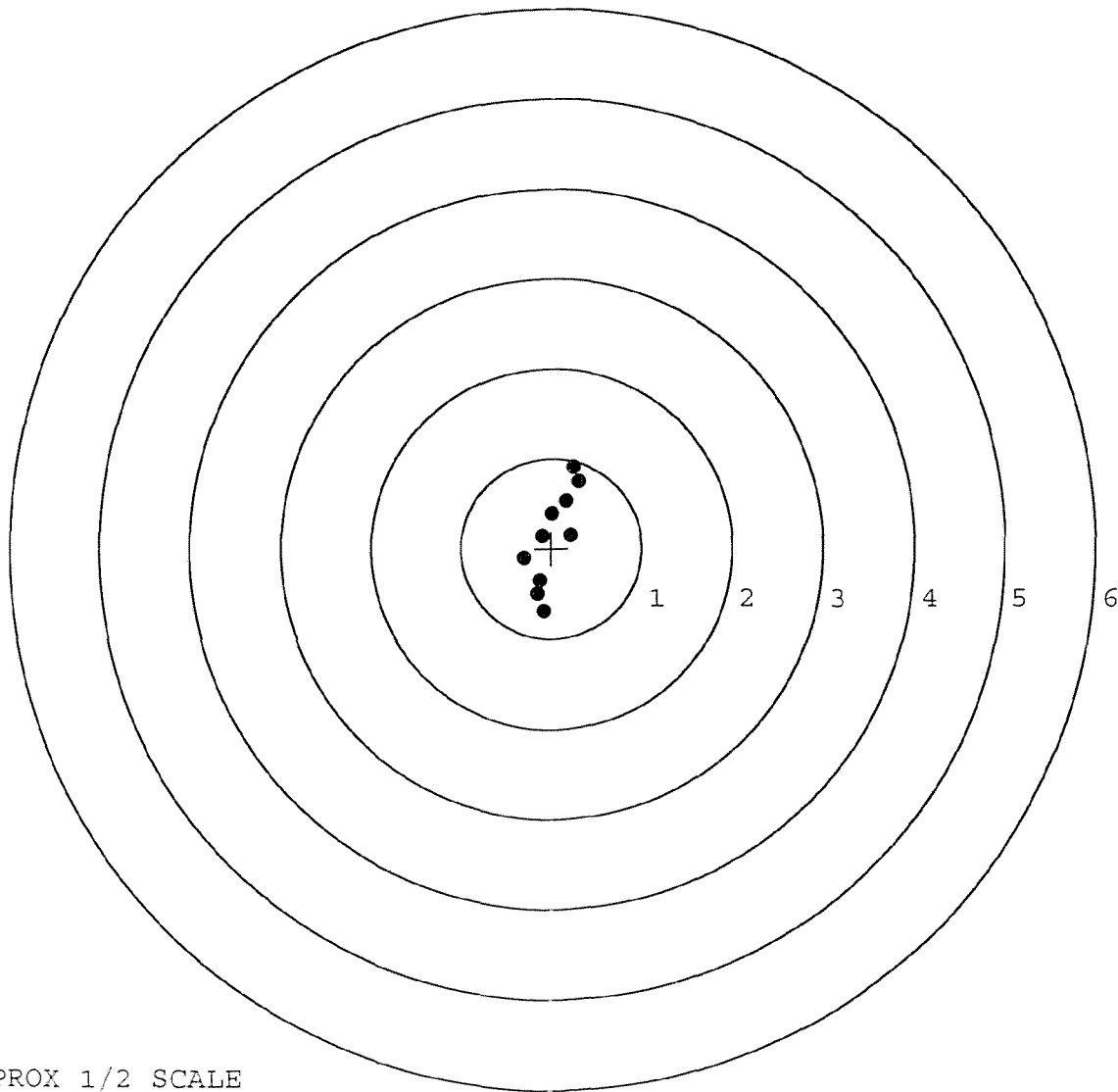
MAX RADIUS: 0.827

MEAN RADIUS: 0.492

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102794			
SERIAL NUMBER	C 6349091		Camp Shelby	
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-3-05	AC
505	RE-BARREL		11-8-05	AC
560	ASSEMBLE		11-15-05	CI
600	PROOF	MAGNA-FLUX	11-15-05	CI
605	CHECK HEADSPACE	INSPECTED	11-15-05	CI
610	DIS-ASSEMBLE GUN	NOV 18 2005	11-15-05	CI
612	MAGNAFLUX	OPERATOR <i>uncl</i>	11-18-05	<i>uncl</i>
510	DRILL AND TAP		11-17-05	BR
615	ROLLMARK CALIBER		11-18-05	CW
618	ROTO-BLAST		11-21-05	LB
620	APPLY COATINGS		11/22/05	PB
625	FINAL ASSEMBLY		11-23-05	RC
640	FUNCTION TEST AND	PASS FAIL	11-28-05	MTM
650	TARGET	PASS FAIL	11-28-05	MTM
	MALFUNCTION	CORRECTION	N/A	
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-29-05	AC
	A) HEADSPACE	PASS FAIL	11-29-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6 lbs 6 lbs 6 lbs	AC
	G) SAFETY OFF FORCE	2 LBS MIN	4 lbs 4 lbs 4 lbs	AC
	I) FIRING PIN INDENT	.020	.022 .022 .022	AC
690	PACK		12-1-05	DA




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

MODEL 700TM H24

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

SERIAL NO.
C6349091

ORDER NO.
5716

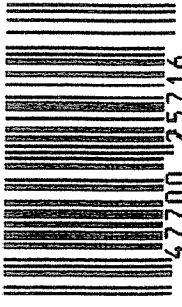
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5716 C6349091

UPC



0 47700 25716 7

RC 50

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349091

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12-20 89	RW
600	Proof		12-20 89	A
607	Check Headspace		12-20 89	A
610	Dis-assemble Gun		12-20 89	RW
612	Magnaflux Barrel Action		1-5-90	KCR
	Magnaflux Bolt		1-5-90	
615	Rollmark Caliber		1/3/90	JS
.17	Drill and Tap Sight Holes		1/8/90	FB
618	Polish Barrel RB		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-15-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/25/90	RWB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/25/90	RWB
	C) Inspect Ejector Hole for Chamfer		1/25/90	RWB
	D) Oil Firing Pin Ass'y		1/25/90	RWB
	E) Adjust Trigger Pull to Min Setting and Stake		25 Jan 90	JD

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	1-29-90	SM
	G) Safety Off Force	3	3	3	1-29-90	SM
	H) Trigger Pull Test & Retainability				25 Jan 90	QJL
	I) Firing Pin Indent	.0225	.023	.023	1-29-90	QJL
	J) Assemble Stock				1-29-90	RW
	K) Assemble Swivel Studs				3/13/90	WB
	L) Attach Front and Rear Sight Assemblies				1-29-90	RW
	M) Iron Sight Alignment				1-29-90	RW
	N) Detach Front & Rear Sights & place in numbered container				1-29-90	RW
	O) Attach Scope to Rifle				3/21/90	WB
	P) Detach & Attach Scope 20 Times				4/27/90	WB
640	Gallery Target & Test				2-28-90	JS. TEMPORARY HELP
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo					
655	Final Inspection					
	A) Headspace				15 Mar 90	QJL
	B) Trigger Pull	273	272	241	15 Mar 90	QJL
	C) Function				15 Mar 90	QJL
660	Pack				19 Mar 90	QJL

SWS TRIGGER PULL TEST

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

SERIAL NO. C6349091
DATE 25 Jan 90
TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.26	2.81	2.75	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.22	2.81	2.81	
PULL #3	2.50	2.16	2.74	2.41	
PULL #4	2.45	2.31	2.77	2.22	
PULL #5	2.44	2.33	2.45	2.25	
TOTAL	12.11	11.28	13.58	12.33	
AVG.	2.422	2.256	2.716	2.466	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.45		
PULL #2	3.33	3.49		
PULL #3	3.43	3.50		
PULL #4	3.40	3.45		
PULL #5	3.40	3.53		
TOTAL	16.97	17.42		
AVG.	3.394	3.484		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.11		3.74
PULL #2	4.04	4.16		3.77
PULL #3	4.16	4.20		3.76
PULL #4	4.09	4.20		3.61
PULL #5	4.16	4.27		3.62
TOTAL	20.44	20.94		19.45
AVG.	4.088	4.188		3.69

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349091
28 Feb 1990

CENTROIDAL DISTANCES

0 TO	1	.152118
1 TO	2	.20025
1 TO	3	.214849
1 TO	4	.171817
1 TO	5	.359894

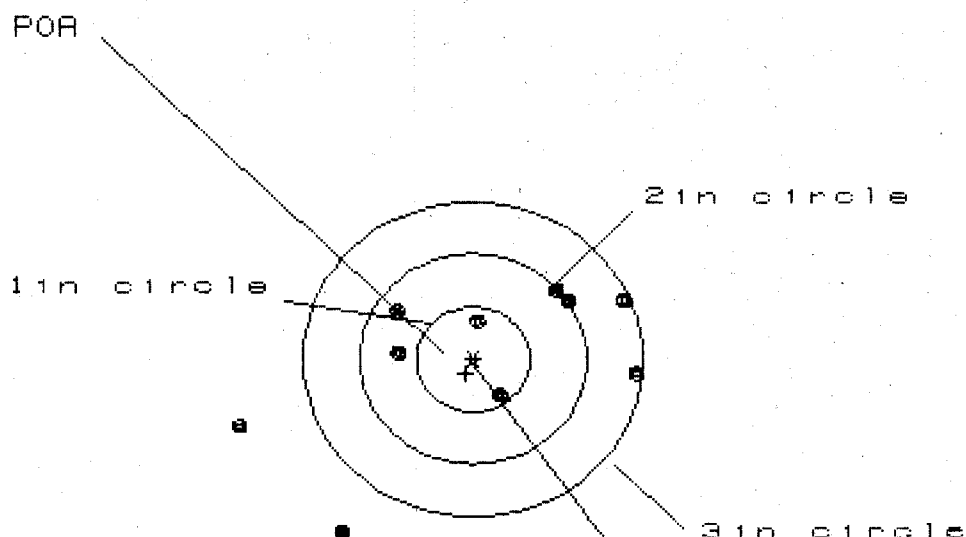
24
15 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1078
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0776
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .132825
THE AMR FOR THIS RIFLE IS: .967

26 Feb 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6345091

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 3.431

VS= 2.343

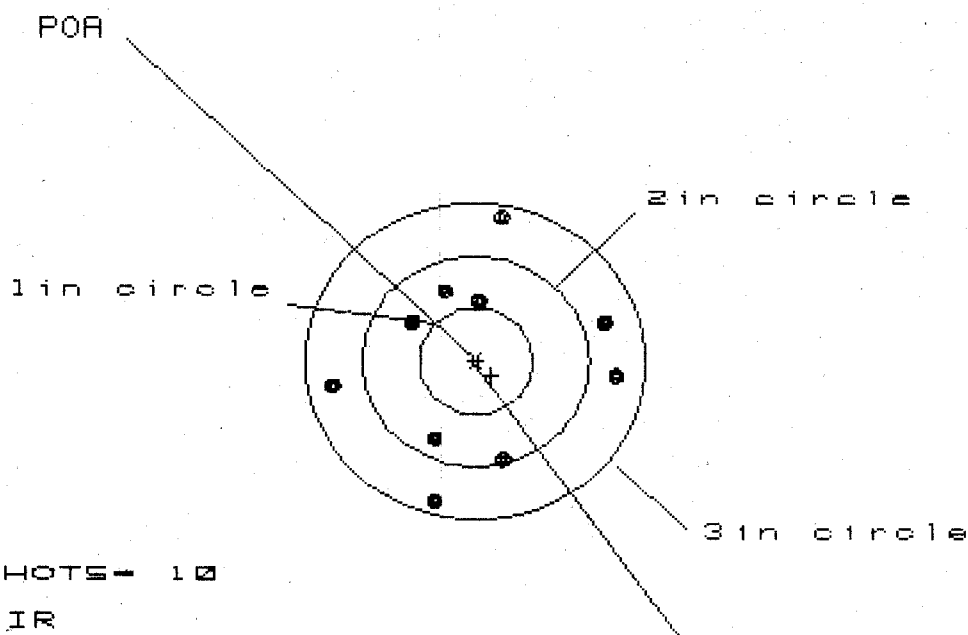
GS= 3.548

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.397	1.170	.996
MINIMUM X	:	-2.034	-1.399	-1.104
MAXIMUM Y	:	.708	.639	.426
MINIMUM Y	:	-1.635	-1.704	-.573
CENTROID X	:	.064	.291	.465
CENTROID Y	:	.138	.207	.420
POA TO CENTROID in.	:	.153	.357	.627
MIN RADIUS	:	.392	.362	.354
MEAN RADIUS	:	1.130	.979	.781
MAX RADIUS	:	2.126	2.205	1.118
HORIZONTAL SPREAD	:	3.431	2.569	2.100
VERTICAL SPREAD	:	2.343	2.343	.999
EXTREME SPREAD	:	3.548	3.302	2.174
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

26 Feb 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6349091

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in - 0

2in - 5

3in - 10

HS - 2.494

VS - 2.714

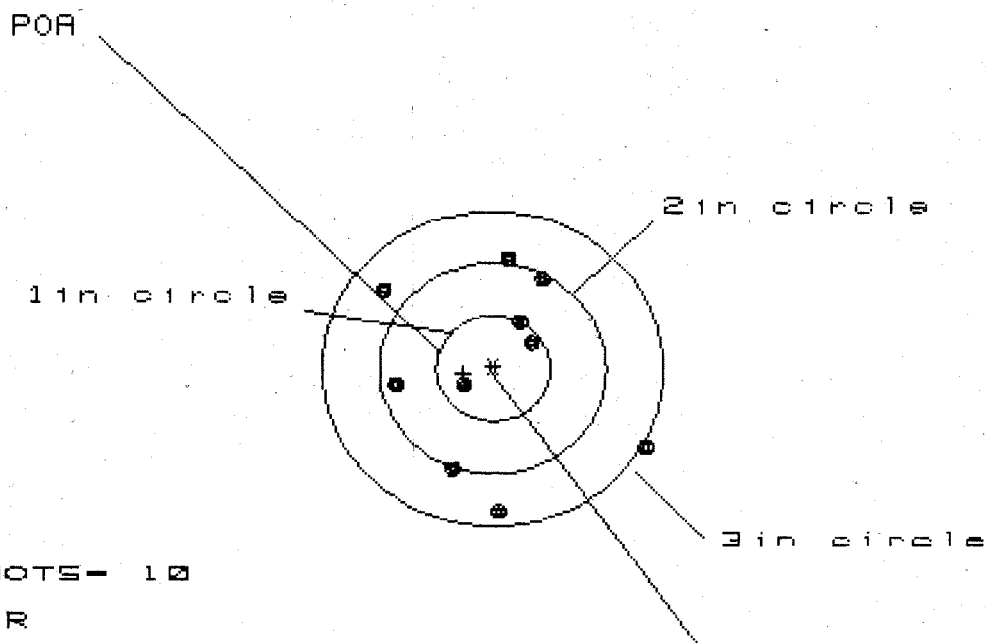
GS - 2.771

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.226	1.249	1.208
MINIMUM X	:	-1.268	-1.245	-1.286
MAXIMUM Y	:	1.382	.808	.660
MINIMUM Y	:	-1.332	-1.178	-.965
CENTROID X	:	-.136	-.159	-.118
CENTROID Y	:	.128	-.026	.122
POA TO CENTROID in.	:	.186	.161	.169
MIN RADIUS	:	.572	.672	.578
MEAN RADIUS	:	1.017	.974	.926
MAX RADIUS	:	1.398	1.249	1.298
HORIZONTAL SPREAD	:	2.494	2.494	2.494
VERTICAL SPREAD	:	2.714	1.986	1.625
EXTREME SPREAD	:	2.771	2.494	2.494
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349091

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.301

VS= 2.435

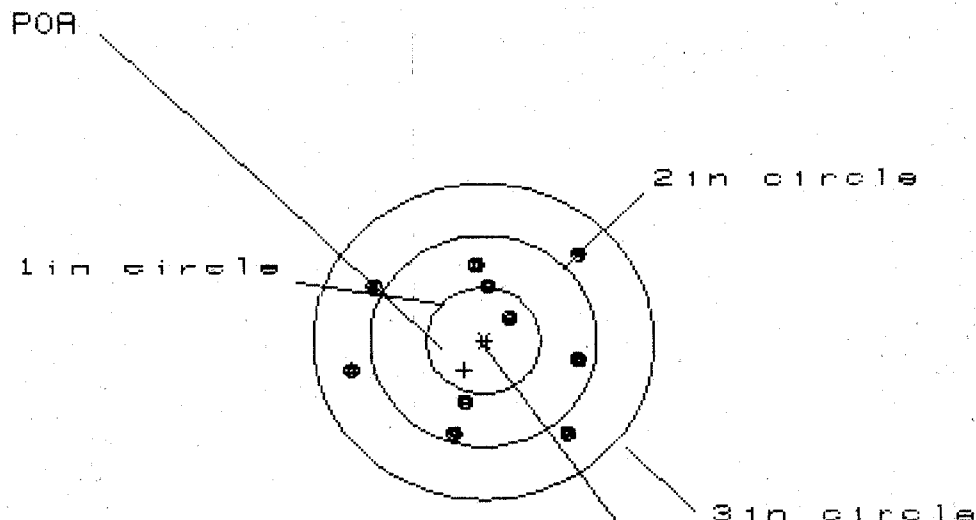
GS= 2.759

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.330	.632	.650
MINIMUM X	:	-.971	-.823	-.805
MAXIMUM Y	:	1.078	.991	.810
MINIMUM Y	:	-1.357	-1.444	-1.169
CENTROID X	:	.260	.112	.094
CENTROID Y	:	.050	.137	.318
POA TO CENTROID in.	:	.264	.177	.332
MIN RADIUS	:	.337	.292	.394
MEAN RADIUS	:	.929	.844	.754
MAX RADIUS	:	1.546	1.451	1.178
HORIZONTAL SPREAD	:	2.301	1.455	1.455
VERTICAL SPREAD	:	2.435	2.435	1.979
EXTREME SPREAD	:	2.759	2.438	2.024
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Feb 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6349091

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.024

VS= 1.703

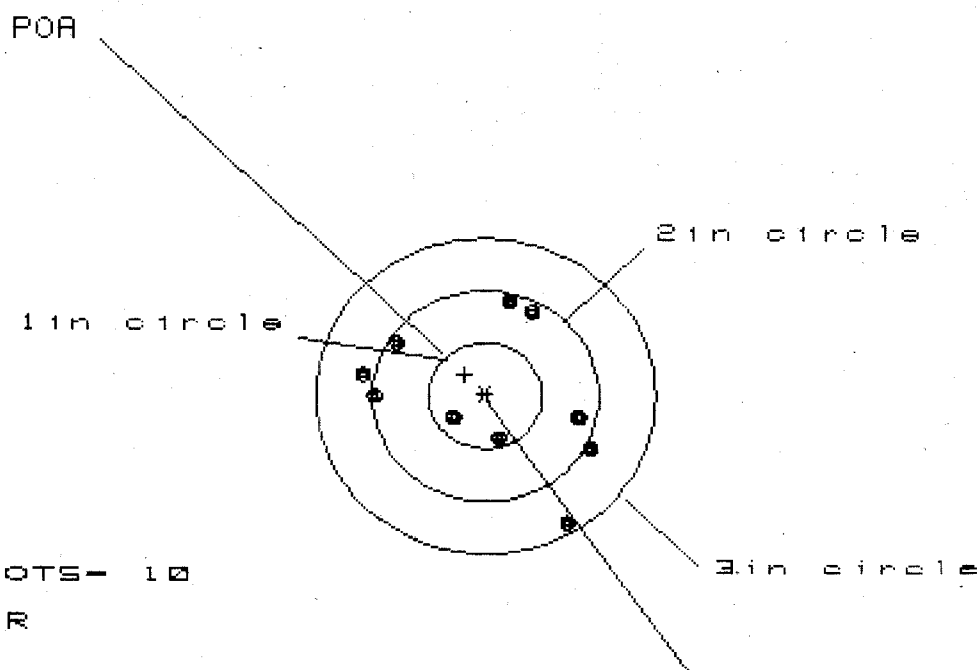
GS= 2.274

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.880	.753	.832
MINIMUM X	:	-1.144	-1.112	-1.033
MAXIMUM Y	:	.805	.773	.657
MINIMUM Y	:	-.898	-.930	-1.038
CENTROID X	:	.169	.296	.217
CENTROID Y	:	.274	.306	.422
POA TO CENTROID in.	:	.322	.426	.475
MIN RADIUS	:	.289	.193	.161
MEAN RADIUS	:	.862	.811	.751
MAX RADIUS	:	1.180	1.211	1.100
HORIZONTAL SPREAD	:	2.024	1.865	1.865
VERTICAL SPREAD	:	1.703	1.703	1.695
EXTREME SPREAD	:	2.274	2.243	2.055
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Feb 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6349091

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in - 2

2in - 6

3in - 10

HS- 1.949

VS- 2.112

GS- 2.273

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.890	.973	.851
MINIMUM X	-1.059	-.976	-1.045
MAXIMUM Y	.926	.794	.803
MINIMUM Y	-1.186	-.662	-.653
CENTROID X	.182	.099	.221
CENTROID Y	-.202	-.070	-.079
POA TO CENTROID in.	.272	.122	.235
MIN RADIUS	.378	.404	.482
MEAN RADIUS	.897	.835	.814
MAX RADIUS	1.398	1.177	1.072
HORIZONTAL SPREAD	1.949	1.949	1.896
VERTICAL SPREAD	2.112	1.456	1.456
EXTREME SPREAD	2.273	2.082	1.976
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		