

C6594570

MODEL 700TM M24

Model **SWS** TM

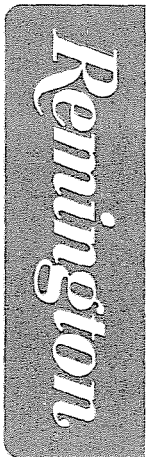
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: **RE00084766**

Serial: C6594570 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 9/10/2004 7:37:54 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: **TRANSPORTATION OFFICER**

TRANSPORTATION OFFICER

Address 1: **FRANCES WEATHINGTON**

FRANCES WEATHINGTON

Address 2: **DEF DIST DEPOT**

DEF DIST DEPOT

City: **ANNISTON**

ANNISTON

State: **AL**

Zip Code: **36201**

Country: **US**

State: **AL**

Zip Code: **36201**

Country: **US**

FFL

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Studs	3
A010	Hard Case	1
A017	Scope Bases	3
A026	Scope	1
A045	Bi Pod	1

Repair Search

Refresh

Close

Inqlet

9/10/2004

8:06 AM

CAPS

NUM

INS

SCRL

start

3

4

Arms Ser

4

2

4

4

Serial Number: **C6594570**
Model: **M24 SWS**

RE00084766

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594570.__0

FILE DATE AND TIME: 10/06/2004 10:55

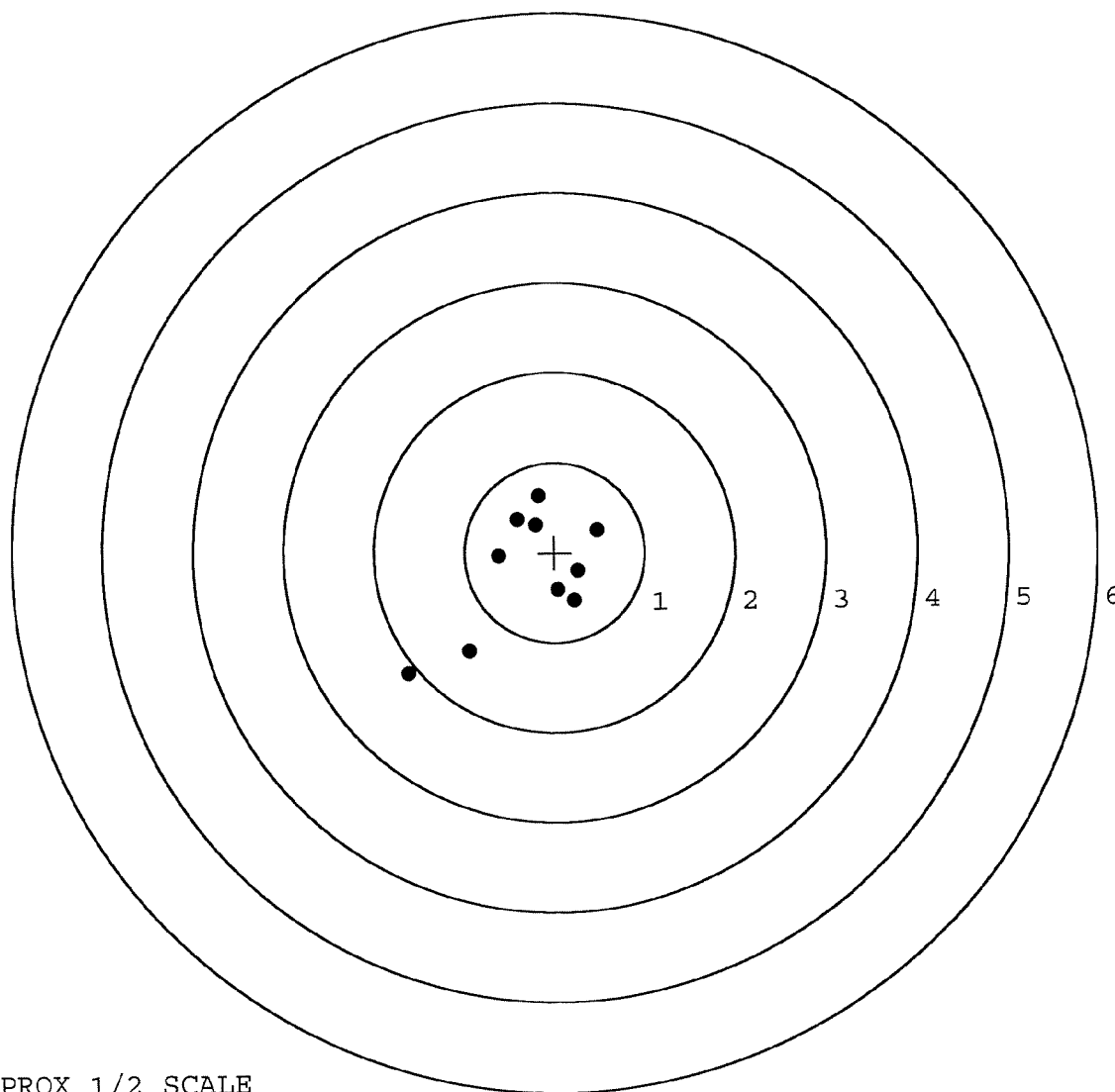
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.125
The Average Y Centroid of the Five Target Set:	-0.125
The Average Point of Impact of the Five Target Set:	0.176
The Average Mean Radius of the Five Target Set:	0.804
The Distance from POA to Centroid Target #1:	0.367
The Distance from Centroid Target #2 to Centroid Target #1:	0.181
The Distance from Centroid Target #3 to Centroid Target #1:	0.177
The Distance from Centroid Target #4 to Centroid Target #1:	0.385
The Distance from Centroid Target #5 to Centroid Target #1:	0.459

SERIAL NUMBER: C6594570. __0
TARGET NUMBER: 1
FILE DATE: 10/06/2004
FILE TIME: 10:55

X CENTROID: -0.303
Y CENTROID: -0.207
POA TO CENTROID: 0.367
HORZ SPREAD: 2.108
VERT SPREAD: 1.969
GROUP SPREAD: 2.637
MIN RADIUS: 0.363
MAX RADIUS: 1.742
MEAN RADIUS: 0.764
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.478	0.249
2:	0.256	-0.204
3:	0.216	-0.534
4:	0.037	-0.419
5:	-0.959	-1.091
6:	-1.630	-1.336
7:	-0.626	-0.040
8:	-0.213	0.308
9:	-0.415	0.367
10:	-0.177	0.633

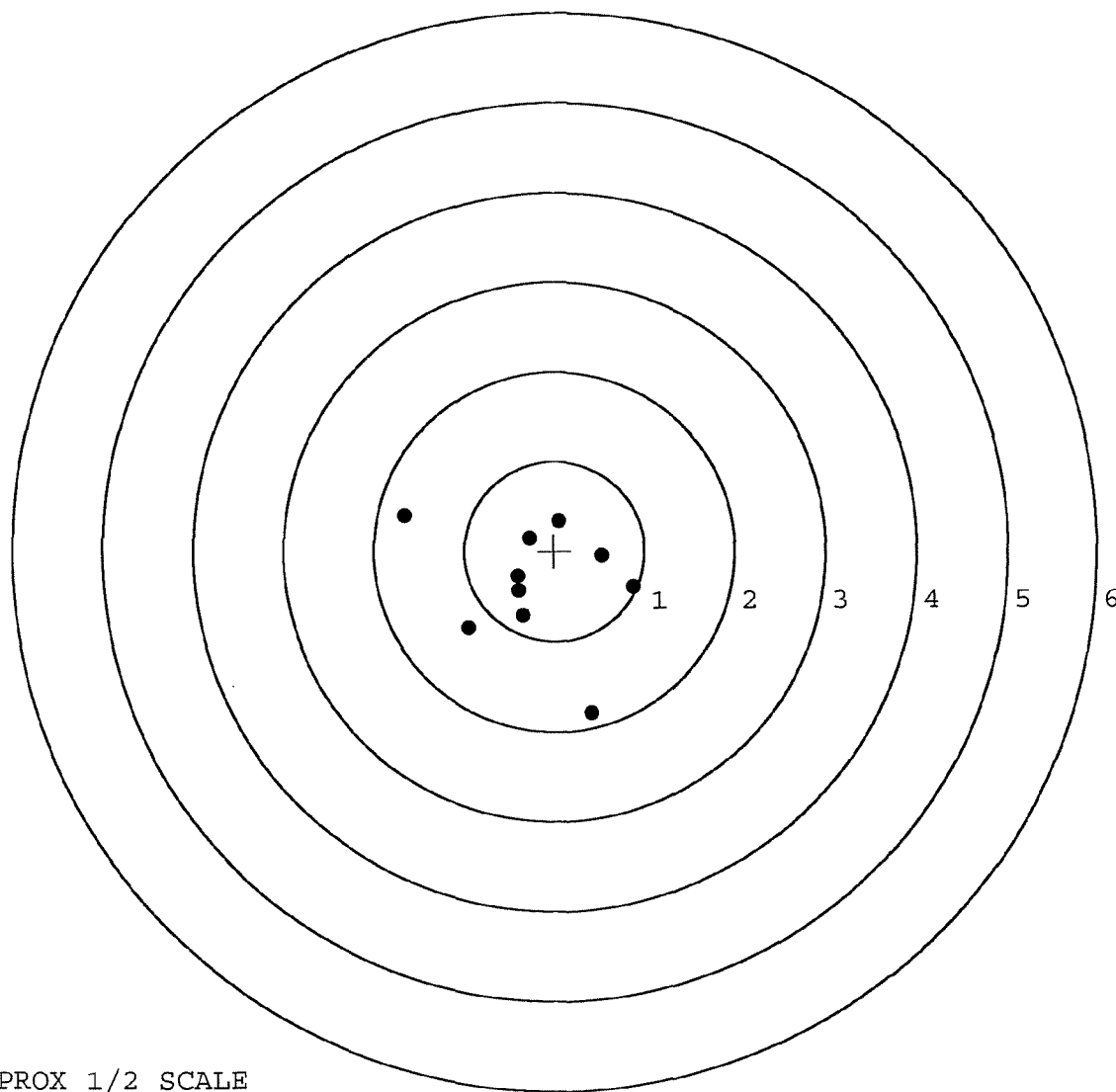


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594570. __0
TARGET NUMBER: 2
FILE DATE: 10/06/2004
FILE TIME: 10:55

X CENTROID: -0.221
Y CENTROID: -0.368
POA TO CENTROID: 0.429
HORZ SPREAD: 2.542
VERT SPREAD: 2.192
GROUP SPREAD: 3.018
MIN RADIUS: 0.197
MAX RADIUS: 1.633
MEAN RADIUS: 0.805
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.411	-1.795
2:	0.878	-0.406
3:	0.527	-0.051
4:	0.047	0.338
5:	-0.283	0.146
6:	-0.411	-0.286
7:	-0.403	-0.444
8:	-0.356	-0.722
9:	-0.959	-0.856
10:	-1.664	0.397



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594570. __0

TARGET NUMBER: 3

FILE DATE: 10/06/2004

FILE TIME: 10:55

X CENTROID: -0.202

Y CENTROID: -0.062

POA TO CENTROID: 0.211

HORZ SPREAD: 2.357

VERT SPREAD: 1.750

GROUP SPREAD: 2.615

MIN RADIUS: 0.147

MAX RADIUS: 1.434

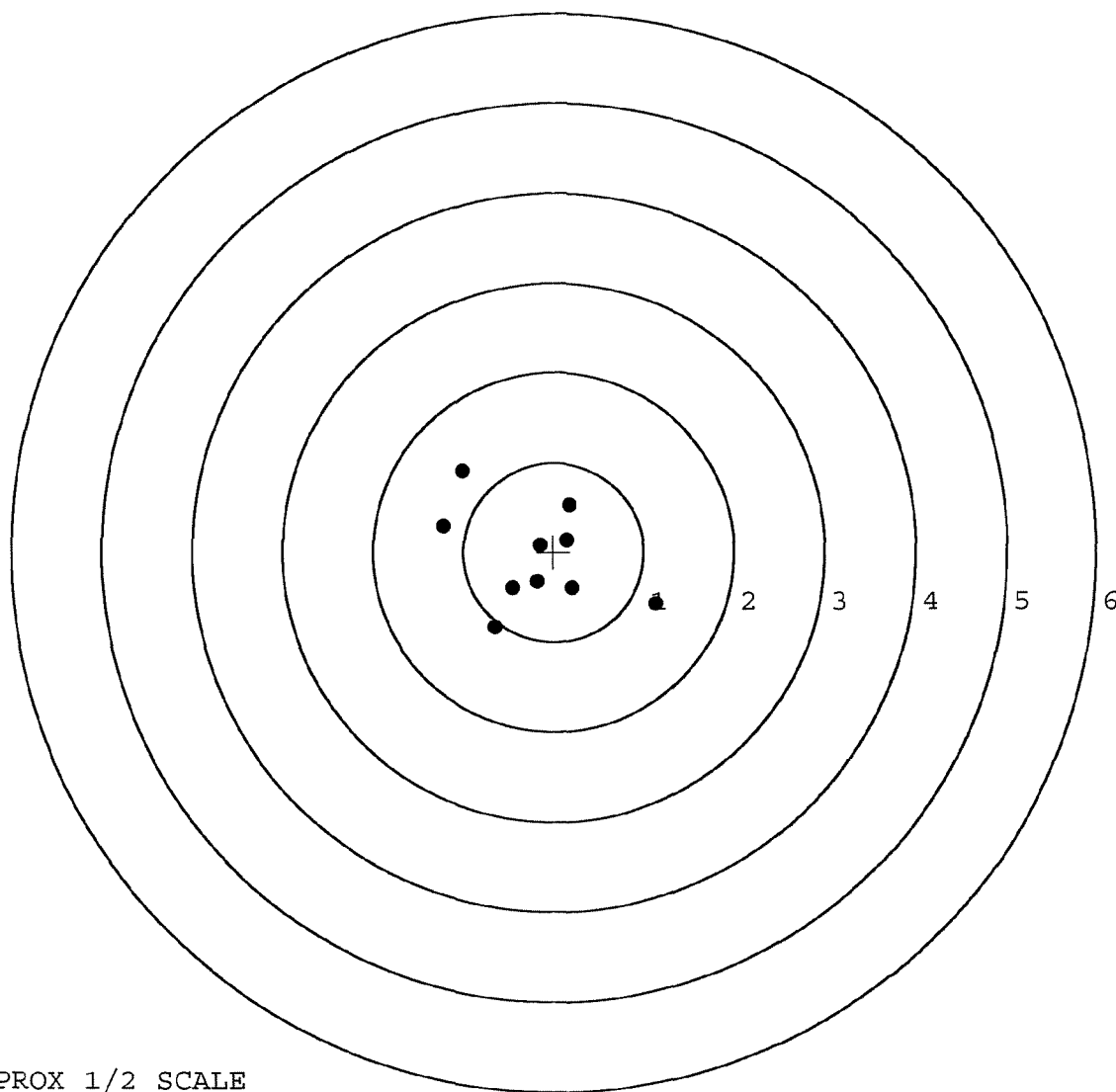
MEAN RADIUS: 0.716

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.135	-0.582
2:	0.209	-0.405
3:	-0.184	-0.335
4:	-0.456	-0.401
5:	-0.656	-0.840
6:	-1.222	0.292
7:	-1.013	0.910
8:	0.174	0.532
9:	0.145	0.138
10:	-0.147	0.075

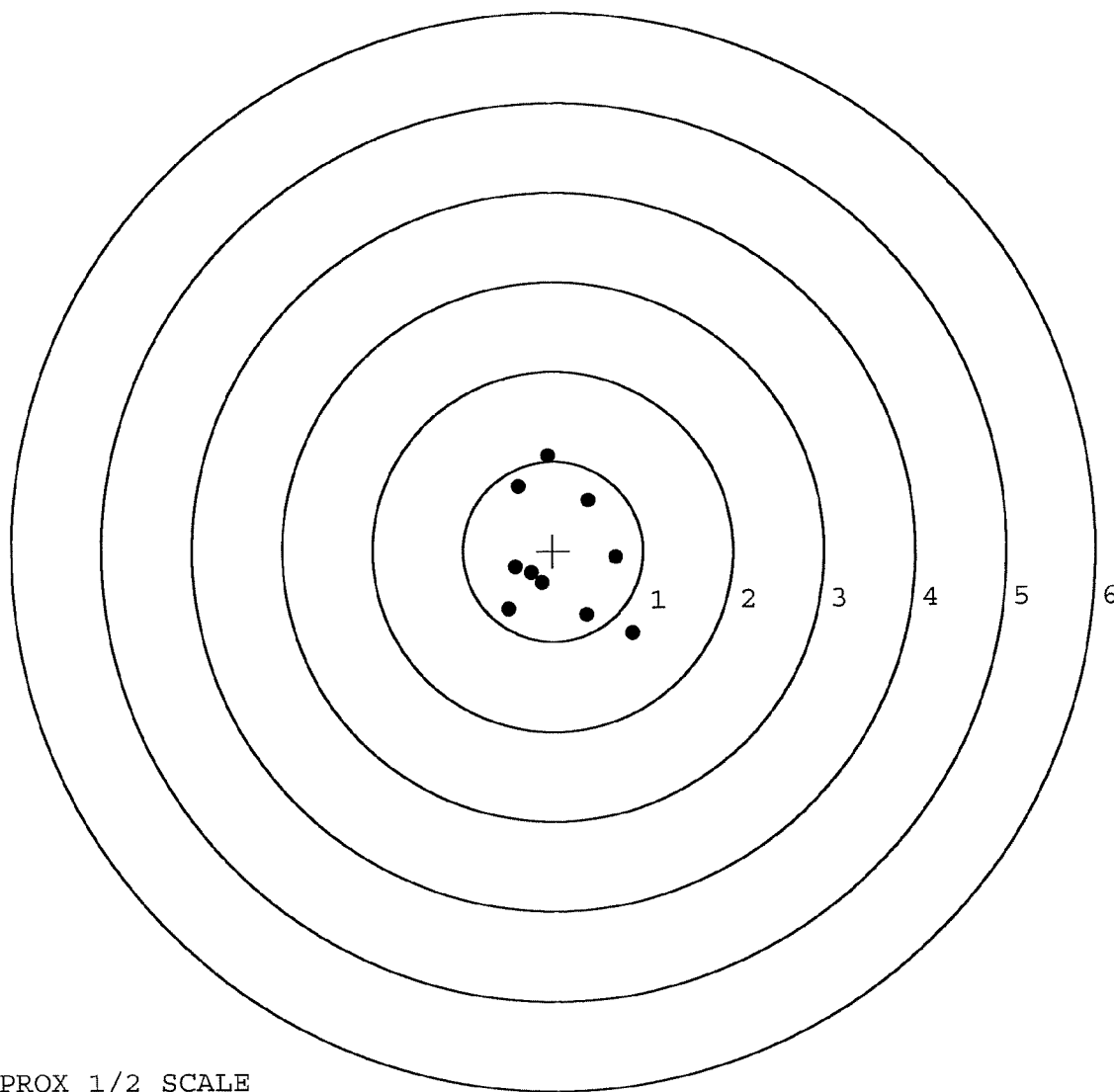


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594570. __0
TARGET NUMBER: 4
FILE DATE: 10/06/2004
FILE TIME: 10:55

X CENTROID: 0.060
Y CENTROID: -0.082
POA TO CENTROID: 0.102
HORZ SPREAD: 1.382
VERT SPREAD: 1.982
GROUP SPREAD: 2.190
MIN RADIUS: 0.337
MAX RADIUS: 1.170
MEAN RADIUS: 0.730
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.879	-0.918
2:	0.373	-0.720
3:	0.698	-0.077
4:	0.397	0.561
5:	-0.052	1.064
6:	-0.383	0.723
7:	-0.503	-0.653
8:	-0.128	-0.361
9:	-0.251	-0.253
10:	-0.425	-0.183



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594570. __0

TARGET NUMBER: 5

FILE DATE: 10/06/2004

FILE TIME: 10:55

X CENTROID: 0.043

Y CENTROID: 0.095

POA TO CENTROID: 0.104

HORZ SPREAD: 2.482

VERT SPREAD: 2.508

GROUP SPREAD: 2.558

MIN RADIUS: 0.213

MAX RADIUS: 1.503

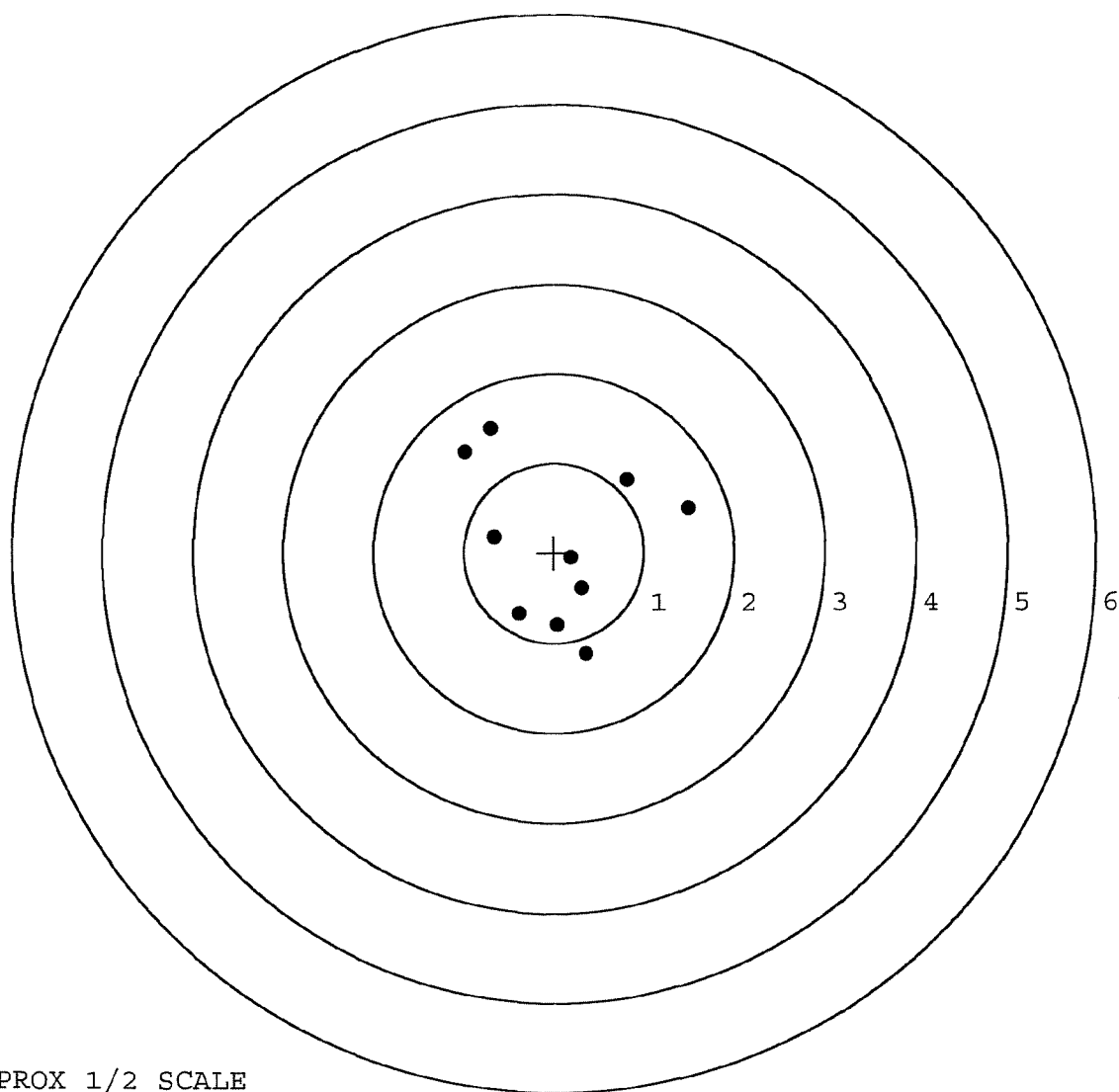
MEAN RADIUS: 1.003

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.356	-1.122
2:	0.035	-0.800
3:	-0.393	-0.676
4:	-0.670	0.167
5:	-0.993	1.126
6:	-0.700	1.386
7:	1.489	0.506
8:	0.809	0.814
9:	0.191	-0.058
10:	0.307	-0.397



TARGET APPROX 1/2 SCALE

[illegible]

KRC
 KRC
 KRC
 KRC
 OPERATOR: BS

MAINTENANCE REQUEST For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG										PAGE NO		NO OF PAGES		REQUIREMENT CONTROL SYMBOL CSGLD-1047(R1)	
SECTION I - CUSTOMER DATA					SECTION II - MAINTENANCE ACTIVITY DATA										
1a. UIC CUSTOMER		1b. CUSTOMER UNIT NAME		1c. PHONE NO		3a. WORK ORDER NUMBER (WON)		3b. SHOP		3c. PHONE NO					
2a. SAMS-2 UIC/SAMS-I/TA		2b. UTILIZATION CODE		2c. MCSR		4a. UIC SUPPORT UNIT		4b. SUPPORT UNIT NAME							
SECTION III - EQUIPMENT DATA															
5. TYPE MNT REQ CODE		6. ID		7. NSN		15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751									
8. MODEL		9. NOUN		10a. ORG WON/DOC NO		10b. EIC		15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code) See DA Pamphlets 738-750 and 738-751		16. MILES/KILOMETERS/HOURS/ROUNDS					
11. SERIAL NUMBER		12. QTY		13. PD		17. PROJECT CODE (if assigned)		18. ACCOUNT PROCESSING CODE		19. IN WARRANTY (enter Y or N)					
14. MALFUNCTION DESCRIPTION (for DSU, GSU/AVIM, DEPOT use)						21. REIMBURSABLE CUSTOMER (if Intransit customer enter Y or N)									
						22. LEVEL OF WORK		23. SIGNATURE							
24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not prescribe repairs)															
25. REMARKS															
26. TECHNICAL REFERENCES															
SECTION IV - TASK REQUIREMENTS DATA															
27a. FILE INPUT ACT CD		27b. TASK NO		27c. ACT CODE		27d. TASK DESCRIPTION		27e. QTY TO BE RPR		27f. WORK CENTER					
27g. FAILURE CODE		27h. MH PROJ		27i. MH EXP											
SECTION V - PART REQUIREMENTS															
28a. FILE INPUT ACT CD		28b. TASK NO		28c. ID NO		28d. NSN OR PART NUMBER		28e. SFX CD		28f. QTY RQD					
28g. QTY ISSUED		28h. NMCS CD		28i. FAILURE CODE		28j. STORAGE LOCATION		28k. INITIALS		28l. COST \$					
28m. TOTAL MANHOURS				28n. TOTAL MANHOURS COSTS \$				28o. TOTAL PARTS COSTS \$							
SECTION VI - COMPLETION DATA															
29. QTY RPR		30. QTY CONDEMN		31. QTY NRTS		32. EVAC WON		33. EVAC UNIT NAME							
SECTION VII - ACTION SIGNATURES															
34a. SUBMITTED BY		35a. ACCEPTED BY		35c. DATE		36a. WORK STARTED BY		37a. INSPECTED BY		38a. PICKED UP BY					
34b. DATE		35b. STATUS		35d. TIME		36b. STATUS		37b. STATUS		38b. STATUS					
36c. DATE		36d. TIME		37c. DATE		37d. TIME		38c. DATE		38d. TIME					

DA FORM 2407, JUL 94

ORGANIZATION COPY 4

Remington



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

MODEL 700TM H24

SERIAL NO.
C6594570

ORDER NO.
5716

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

20



5716 C6594570

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6594570**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/26/90	K.S.
600	Proof		12/26/90	K.S.
607	Check Headspace		12/26/90	K.S.
610	Dis-assemble Gun		12/26/90	K.S.
612	Magnaflux Barrel Action		1-7-91	K.R.
	Magnaflux Bolt		1-7-91	K.R.
615	Rollmark Caliber		1-7-91	G.S.
617	Drill and Tap Sight Holes	1	10 91	F.B.
618	Polish Barrel	1	10 91	W.B.
620	Apply Coatings (Barrel Action)		1-26-91	J.A.
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/6/91	K.L.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/91	K.L.
	C) Inspect Ejector Hole for Chamfer		2/6/91	K.L.
	D) Oil Firing Pin Ass'y		2/4/91	K.L.
	E) Adjust Trigger Pull to Min Setting and Stake		2/7/91	M.

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			2/7/91	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			2/7/91	WB
	H) Trigger Pull Test & Retainability						2/7/91	8/
	I) Firing Pin Indent	.021	.0205	.0205			2/7/91	WB
	J) Assemble Stock						2/8/91	KH
	K) Assemble Swivel Studs						2-21-91	AC
	L) Attach Front and Rear Sight Assemblies						2/8/91	KH
	M) Iron Sight Alignment						2/8/91	KH
	N) Detach Front & Rear Sights & place in numbered container						2/8/91	KH
	O) Attach Scope to Rifle						2/8/91	KH
	P) Detach & Attach Scope 20 Times						2/8/91	KH
640	Gallery Target & Test						2-11-91	DH
	A) Time						2-11-91	DH
	B) Malfunctions						2-11-91	DH
	C) Pierced Primers						2-11-91	DH
	D) Optical Clarity of Scope						2-11-91	DH
645	Inspect for Live Ammo						2-17-91	DH
655	Final Inspection							
	A) Headspace						2-21-91	AC
	B) Trigger Pull	2.34	2.43	2.30	2.26	2.25	2/19/91	WB
	C) Function						2-21-91	AC
660	Pack						3/14/91	WB

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C65945-70

DATE 2/7/91

TESTER JF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.25	2.30	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.28	2.33	2.43	
PULL #3	2.21	2.19	2.27	2.30	
PULL #4	2.37	2.33	2.31	2.26	
PULL #5	2.41	2.37	2.38	2.25	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.39		
PULL #2	3.43	3.30		
PULL #3	3.37	3.38		
PULL #4	3.38	3.37		
PULL #5	3.27	3.29		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.30		4.48
PULL #2	4.36	4.24		4.30
PULL #3	4.36	4.42		4.48
PULL #4	4.26	4.37		4.31
PULL #5	4.32	4.41		4.31
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594570
12 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.296665
1 TO	2	.440819
1 TO	3	.223215
1 TO	4	.429644
1 TO	5	.436321

⌀ ←----POA

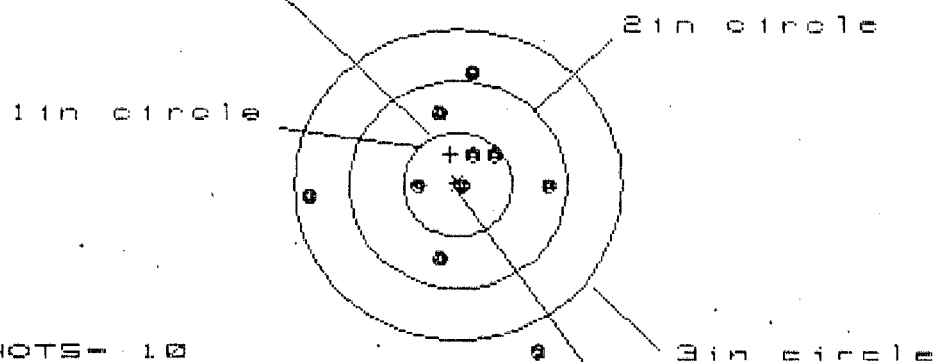
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .061
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0114
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0620561
THE AMP FOR THIS RIFLE IS: .8616

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594520

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 2.118

VS= 2.733

GS= 2.800

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.789	.867	.710
MINIMUM X	:	-1.329	-1.251	-.433
MAXIMUM Y	:	1.083	.900	.868
MINIMUM Y	:	-1.650	-.848	-.880
CENTROID X	:	.067	-.011	.146
CENTROID Y	:	-.289	-.106	-.074
POA TO CENTROID in.	:	.297	.107	.163
MIN RADIUS	:	.020	.183	.075
MEAN RADIUS	:	.754	.623	.513
MAX RADIUS	:	1.793	1.277	.907
HORIZONTAL SPREAD	:	2.118	2.118	1.143
VERTICAL SPREAD	:	2.733	1.748	1.748
EXTREME SPREAD	:	2.800	2.119	1.763
NUMBER IN ONE INCH CIRCLE =	:	4	4	4
NUMBER IN TWO INCH CIRCLE =	:	7	7	7

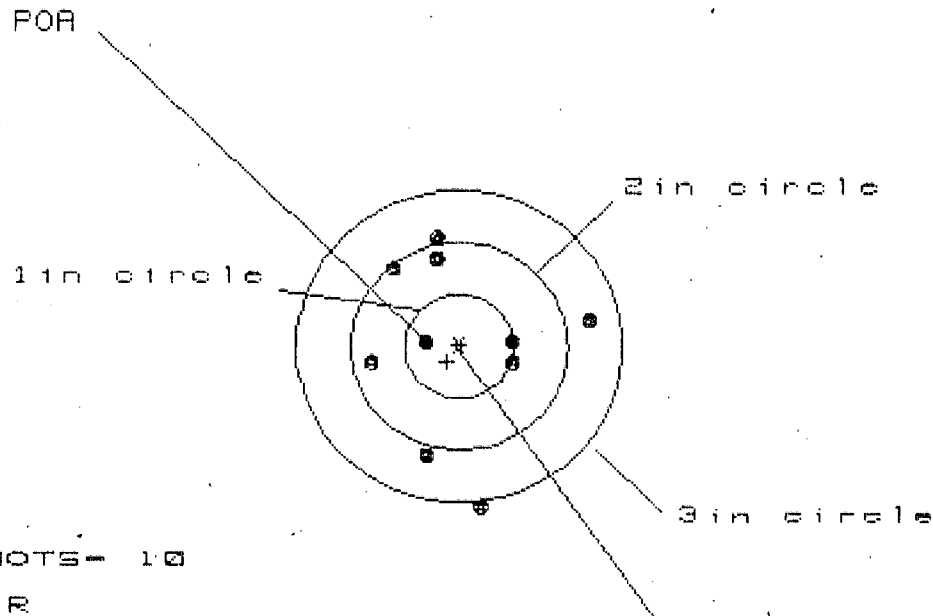
NUMBER IN THREE INCH CIRCLE =

9

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594570

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 1.947

VS= 2.584

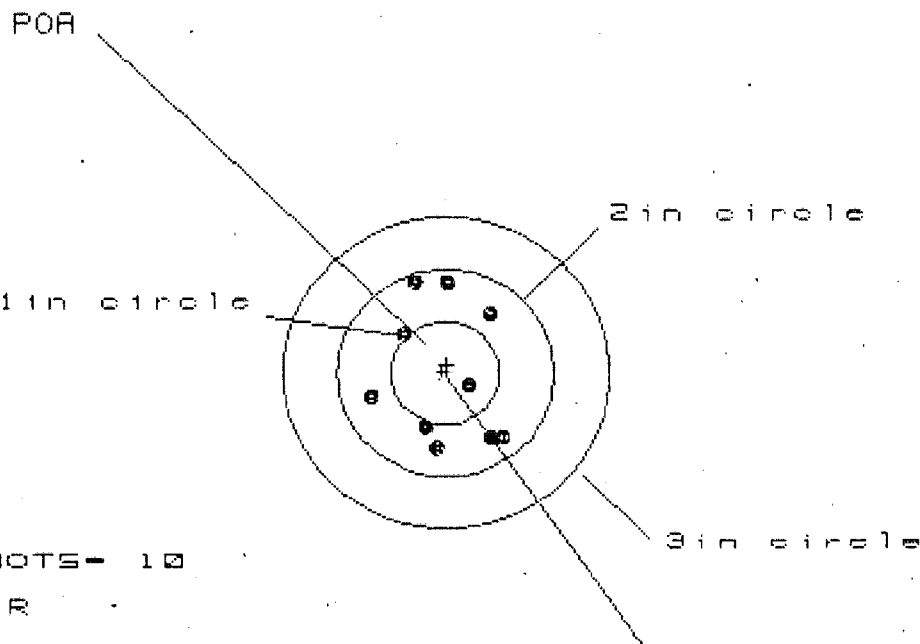
GS= 2.618

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.190	1.213	.682
MINIMUM X	:	-.757	-.734	-.582
MAXIMUM Y	:	1.020	.847	.854
MINIMUM Y	:	-1.564	-1.245	-1.238
CENTROID X	:	.107	.084	-.068
CENTROID Y	:	.150	.323	.316
POA TO CENTROID in.	:	.184	.334	.323
MIN RADIUS	:	.281	.307	.192
MEAN RADIUS	:	.880	.784	.714
MAX RADIUS	:	1.578	1.287	1.250
HORIZONTAL SPREAD	:	1.947	1.947	1.264
VERTICAL SPREAD	:	2.584	2.092	2.092
EXTREME SPREAD	:	2.618	2.097	2.097
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594570

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 10

3in = 10

HS= 1.219

VS= 1.642

GS= 1.735

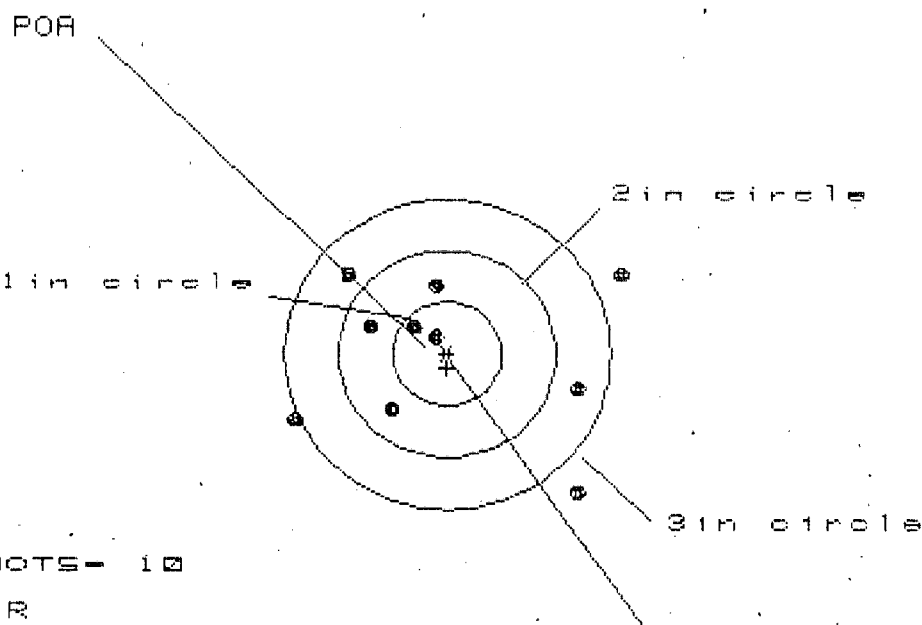
CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.546	.512	.514
MINIMUM X	-.673	-.707	-.705
MAXIMUM Y	.923	1.010	.785
MINIMUM Y	-.719	-.617	-.491
CENTROID X	-.014	.021	.019
CENTROID Y	-.081	-.183	-.309
POA TO CENTROID in.	.082	.184	.310
MIN RADIUS	.224	.156	.193
MEAN RADIUS	.680	.629	.561
MAX RADIUS	.975	1.010	.871
HORIZONTAL SPREAD	1.219	1.219	1.219
VERTICAL SPREAD	1.642	1.627	1.276
EXTREME SPREAD	1.735	1.630	1.354
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	10		
NUMBER IN THREE INCH CIRCLE =	10		

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594570

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS = 3.026

VS = 2.170

GS = 3.331

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.589	1.724	1.587
MINIMUM X	:	-1.437	-1.302	-1.086
MAXIMUM Y	:	.792	.639	.659
MINIMUM Y	:	-1.377	-.753	-.673
CENTROID X	:	.004	-.131	-.347
CENTROID Y	:	.136	.289	.209
POA TO CENTROID in.	:	.136	.317	.405
MIN RADIUS	:	.165	.044	.148
MEAN RADIUS	:	1.031	.874	.731
MAX RADIUS	:	1.838	1.839	1.629
HORIZONTAL SPREAD	:	3.026	3.026	2.673
VERTICAL SPREAD	:	2.170	1.392	1.332
EXTREME SPREAD	:	3.331	3.331	2.690
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

12 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594570

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 1

2in = 6

3in = 9

HS = 1.930

VS = 2.867

GS = 2.914

CENTROID *

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X : .743

.821

.852

MINIMUM X : -1.187

-1.109

-1.078

MAXIMUM Y : 1.236

1.055

.869

MINIMUM Y : -1.631

-1.252

-1.120

CENTROID X : .141

.063

.032

CENTROID Y : .141

.322

.190

POA TO CENTROID in.: .199

.328

.193

MIN RADIUS : .408

.447

.433

MEAN RADIUS : .963

.850

.817

MAX RADIUS : 1.773

1.254

1.121

HORIZONTAL SPREAD : 1.930

1.930

1.930

VERTICAL SPREAD : 2.867

2.307

1.989

EXTREME SPREAD : 2.914

2.330

1.998

NUMBER IN ONE INCH CIRCLE = 1

NUMBER IN TWO INCH CIRCLE = 6

NUMBER IN THREE INCH CIRCLE = 9