

C6349058

MODEL 700™ M24

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: **RE00102791** Serial: C6349058 Model M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 8:47:11 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** PO 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	Fit and Rear Sgt Base	1

Repair Search Refresh Close

10/26/2005 9:44 AM CAPS NUM IIS SCPL

start 2 3 Arms S

Serial Number: **C6349058**

Model: **M24 SWS**



RE00102791

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349058.___0
FILE DATE AND TIME: 11/21/2005 22:36

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.022
The Average Y Centroid of the Five Target Set:	-0.055
The Average Point of Impact of the Five Target Set:	0.059
The Average Mean Radius of the Five Target Set:	0.720
The Distance from POA to Centroid Target #1:	0.230
The Distance from Centroid Target #2 to Centroid Target #1:	0.170
The Distance from Centroid Target #3 to Centroid Target #1:	0.446
The Distance from Centroid Target #4 to Centroid Target #1:	0.351
The Distance from Centroid Target #5 to Centroid Target #1:	0.463

SERIAL NUMBER: C6349058. 0

TARGET NUMBER: 1

FILE DATE: 11/21/2005

FILE TIME: 22:36

POINT#	X	Y
1:	-0.039	-0.483
2:	-0.215	-0.371
3:	-0.614	-0.493
4:	-0.182	0.076
5:	-0.418	0.248
6:	-1.660	0.492
7:	-0.219	0.857
8:	0.161	0.520
9:	0.472	-0.177
10:	0.425	-0.902

X CENTROID: -0.229

Y CENTROID: -0.023

POA TO CENTROID: 0.230

HORZ SPREAD: 2.132

VERT SPREAD: 1.759

GROUP SPREAD: 2.508

MIN RADIUS: 1.110

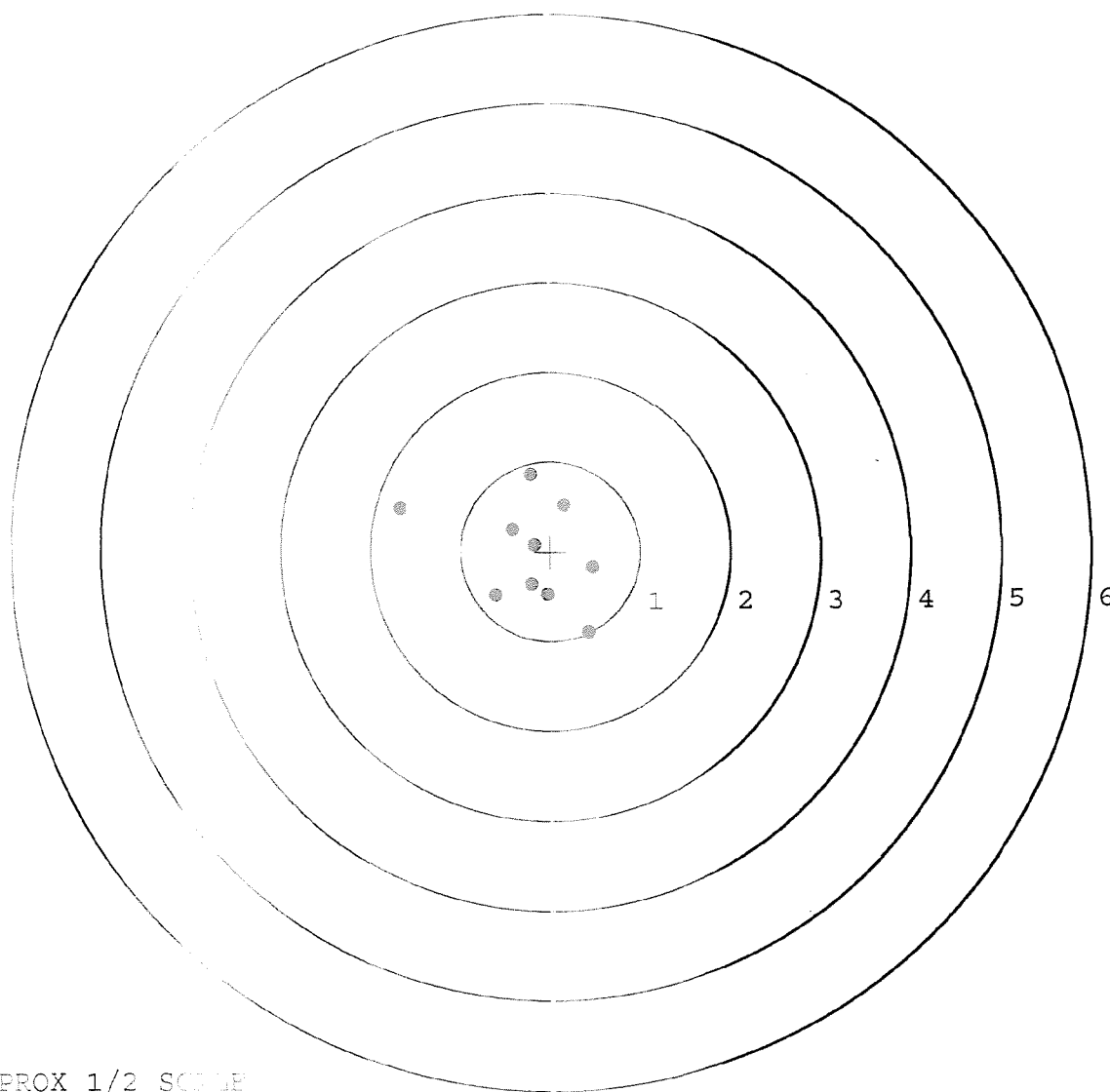
MAX RADIUS: 2.521

MEAN RADIUS: 1.678

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

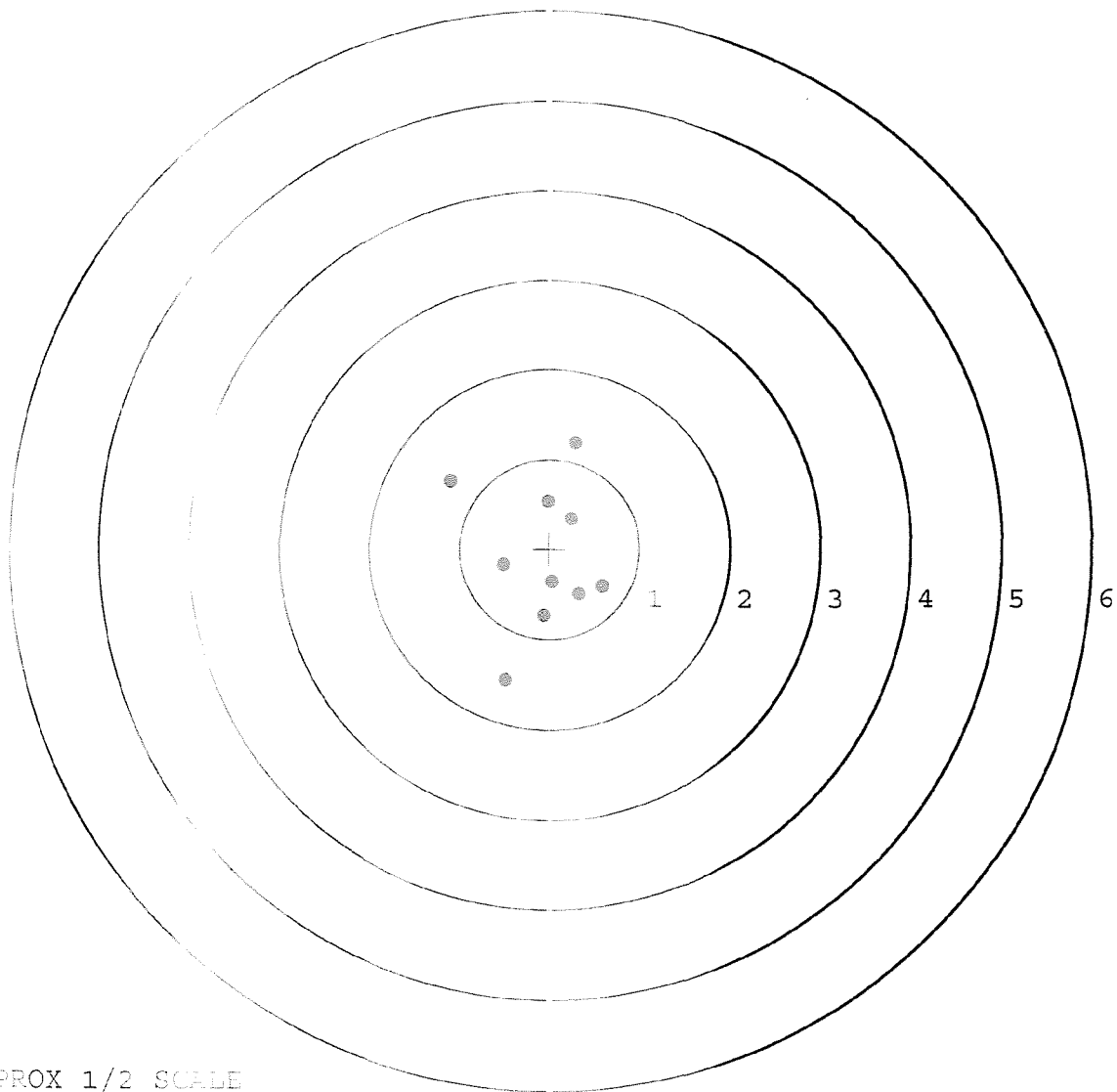


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349058. 0
TARGET NUMBER: 2
FILE DATE: 11/21/2005
FILE TIME: 22:36

X CENTROID: -0.071
Y CENTROID: -0.086
POA TO CENTROID: 0.111
HORZ SPREAD: 1.688
VERT SPREAD: 1.637
GROUP SPREAD: 3.752
MIN RADIUS: 0.305
MAX RADIUS: 1.436
MEAN RADIUS: 0.796
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.034	-0.372
2:	0.328	-0.503
3:	0.587	-0.420
4:	-0.061	-0.741
5:	-0.513	-0.176
6:	0.246	0.338
7:	-0.014	0.530
8:	0.287	1.181
9:	-1.101	0.762
10:	-0.499	-1.456

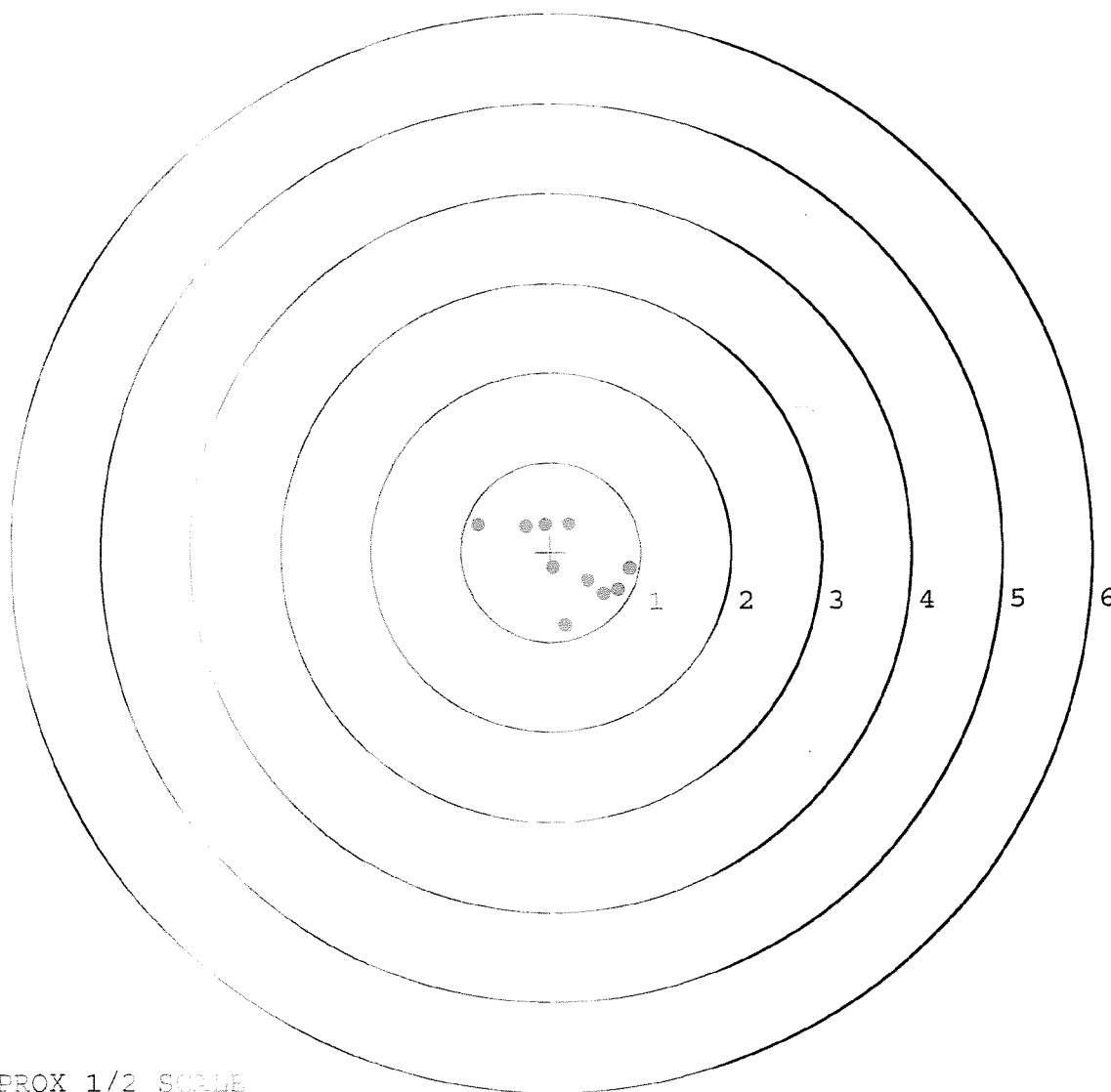


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C634958.0
TARGET NUMBER: 3
FILE DATE: 11/21/2005
FILE TIME: 22:36

X CENTROID: 0.198
Y CENTROID: -0.183
POA TO CENTROID: 0.262
HORZ SPREAD: 0.679
VERT SPREAD: 0.248
GROUP SPREAD: 1.752
MIN RADIUS: 0.157
MAX RADIUS: 0.104
MEAN RADIUS: 0.374
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
IN 3 IN DIAMETER: 11

POINT#	X	Y
1:	0.031	-0.179
2:	0.407	-0.321
3:	0.591	-0.473
4:	0.747	-0.424
5:	0.879	-0.189
6:	0.211	0.319
7:	-0.055	0.307
8:	-0.269	0.290
9:	-0.800	0.310
10:	0.168	-0.829
11:	0.156	-0.826

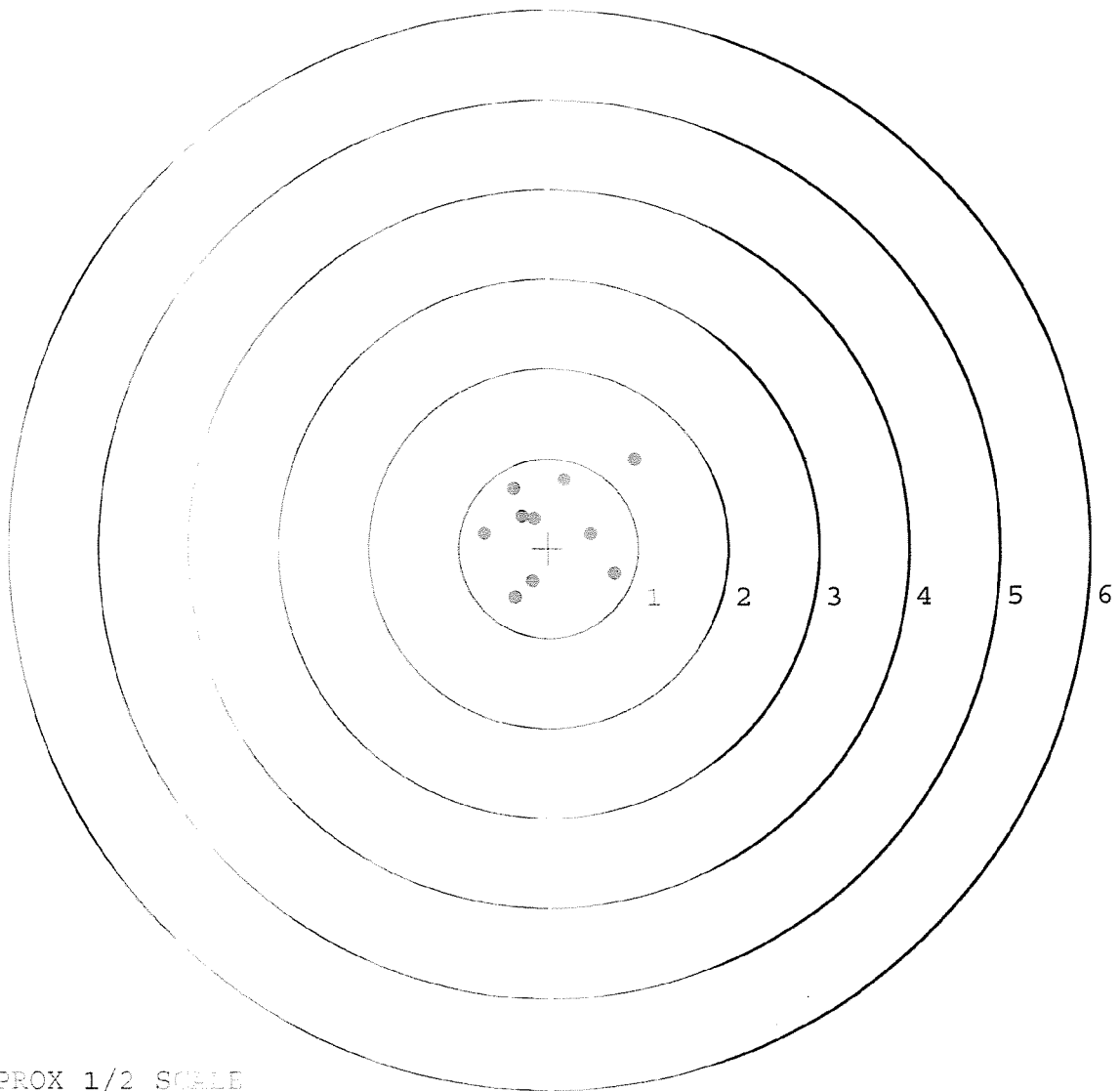


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349758. 0
TARGET NUMBER: 4
FILE DATE: 11/21/2008
FILE TIME: 22:36

X CENTROID: 0.024
Y CENTROID: 0.020
POA TO CENTROID: 0.021
HORZ SPREAD: 1.682
VERT SPREAD: 1.540
GROUP SPREAD: 2.042
MIN RADIUS: 0.210
MAX RADIUS: 0.212
MEAN RADIUS: 0.052
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
IN 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.156	0.328
2:	-0.294	0.357
3:	-0.393	0.662
4:	0.185	0.761
5:	0.964	0.986
6:	0.735	-0.292
7:	-0.178	-0.379
8:	-0.377	-0.554
9:	-0.718	0.167
10:	0.473	0.161

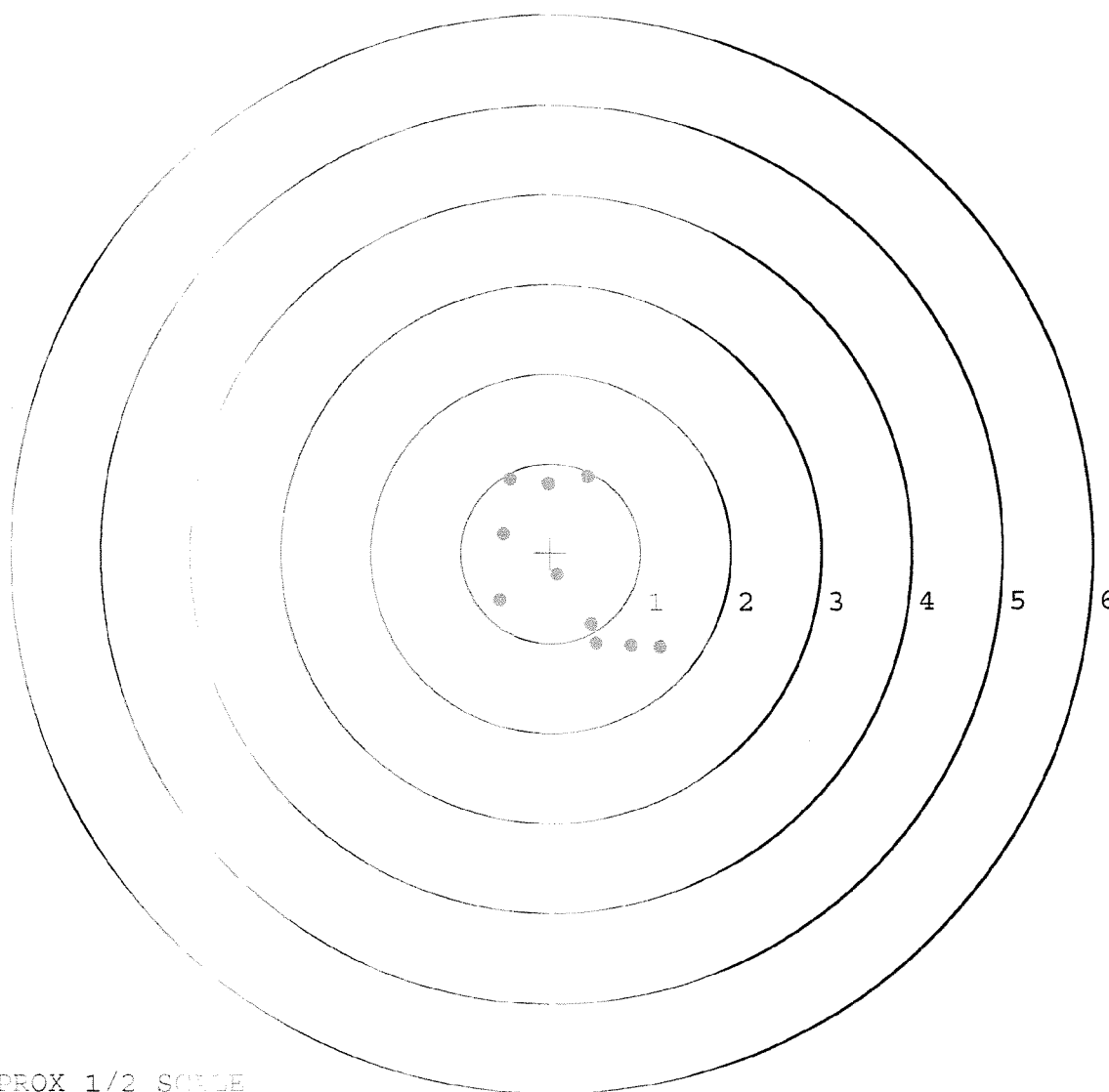


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349158. 0
TARGET NUMBER: 5
FILE DATE: 11/21/2003
FILE TIME: 22:36

X CENTROID: 0.199
Y CENTROID: -0.202
POA TO CENTROID: 0.283
HORZ SPREAD: 0.780
VERT SPREAD: 1.901
GROUP SPREAD: 2.502
MIN RADIUS: 0.129
MAX RADIUS: 1.320
MEAN RADIUS: 0.901
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.080	-0.251
2:	-0.570	-0.527
3:	-0.529	0.213
4:	-0.449	0.823
5:	-0.020	0.771
6:	0.416	0.851
7:	0.447	-0.797
8:	0.505	-1.009
9:	0.899	-1.039
10:	1.210	-1.050



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102791	Camp Shelby		
SERIAL NUMBER	C0349058			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-3-05	AC
505	RE-BARREL		11-7-05	AC
560	ASSEMBLE		11-14-05	CD
600	PROOF	MAGNA-FLUX INSPECTED NOV 15 2005	11-14-05	CD
605	CHECK HEADSPACE		11-14-05	CD
610	DIS-ASSEMBLE GUN		11-14-05	CD
612	MAGNAFLUX	OPERATOR <u>WMB</u>	11/15/05	WMB
510	DRILL AND TAP		11-11-05	BR
615	ROLLMARK CALIBER		11-5-05	CW
618	ROTO-BLAST		11-16-05	UB
620	APPLY COATINGS		11/16/05	HP
625	FINAL ASSEMBLY		11-17-05	AC
640	FUNCTION TEST AND	PASS FAIL	11-21-05	WMB
650	TARGET	PASS FAIL	11-21-05	WMB
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-22-05	AC
	A) HEADSPACE	PASS FAIL	11-22-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	3 lbs 3 lbs 3 lbs	AC
	G) SAFETY OFF FORCE	2 LBS MIN	3 lbs 3 lbs 3 lbs	AC
	I) FIRING PIN INDENT	.020	.023 .023 .023	AC
690	PACK		12-1-05	BA

Remington



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

MODEL 700™ H24

SERIAL NO.

C6349058

ORDER NO.

5716

Ø1

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



5716 C6349058

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349058

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 12 90		RW
600	Proof	1 12 90		L
607	Check Headspace	1 12 90		L
610	Dis-assemble Gun	1 12 90		RW
612	Magnaflux Barrel Action	1-16-90		KCR
	Magnaflux Bolt	1-17-90		KCR
615	Rollmark Caliber		1-17-90	CS
617	Drill and Tap Sight Holes		1-19-90	FB
618	Polish Barrel RB		1-22-90	WB
620	Apply Coatings (Barrel Action)		1-23-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/24/90 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		5 Feb 90	CS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			2-5-90	JS
	G) Safety Off Force	2	2	2			2-5-90	JS
	H) Trigger Pull Test & Retainability						5/26/90	JS
	I) Firing Pin Indent	.021	.022	.0215			2-5-90	JS
	J) Assemble Stock						2/28/90	RW
	K) Assemble Swivel Studs						3/15/90	WB
	L) Attach Front and Rear Sight Assemblies						2/28/90	RW
	M) Iron Sight Alignment						2/28/90	RW
	N) Detach Front & Rear Sights & place in numbered container						2/28/90	RW
	O) Attach Scope to Rifle						2/28/90	WB
	P) Detach & Attach Scope 20 Times						2/28/90	WB
640	Gallery Target & Test						3-1-90	AC
	A) Time						↑ ↓	AC
	B) Malfunctions							AC
	C) Pierced Primers							AC
	D) Optical Clarity of Scope							AC
645	Inspect for Live Ammo						3-1-90	AC
655	Final Inspection						16 Mar 90	JS
	A) Headspace						16 Mar 90	JS
	B) Trigger Pull	2.71	2.70	2.73	2.60	2.62	16 Mar 90	JS
	C) Function						16 Mar 90	JS
660	Pack						19 Mar 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. C6349058

DATE 2 Feb 90

TESTER 928

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.29	2.37	2.71	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.25	2.33	2.70	
PULL #3	2.38	2.28	2.39	2.73	
PULL #4	2.50	2.28	2.36	2.60	
PULL #5	2.43	2.33	2.39	2.62	
TOTAL	12.17	11.43	11.84	13.36	
AVG.	2.434	2.286	2.368	2.672	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	3.14		
PULL #2	3.13	3.10		
PULL #3	3.14	3.03		
PULL #4	3.13	3.09		
PULL #5	3.13	3.09		
TOTAL	15.67	15.45		
AVG.	3.134	3.09		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.03	3.79		3.90
PULL #2	3.97	3.83		3.92
PULL #3	3.95	3.84		3.96
PULL #4	3.98	3.84		3.99
PULL #5	3.98	3.87		3.97
TOTAL	19.91	19.17		19.74
AVG.	3.982	3.834		3.948

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # 06349058
 2 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.217807
1 TO	2	.409059
1 TO	3	.485732
1 TO	4	.368973
1 TO	5	.855937

$$\frac{2}{3} \left(\frac{5}{4} \right) \leftarrow \text{POA}$$

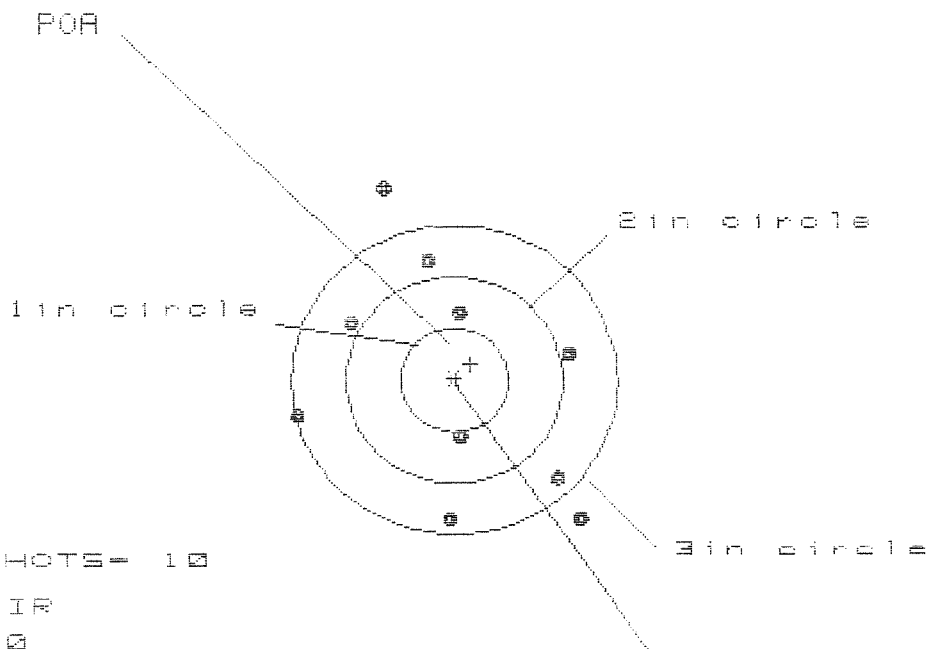
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0532
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0352
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0637909
 THE AMR FOR THIS RIFLE IS: 1.217

Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349058

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1in = 0

2in = 2

3in = 8

HS = 2.545

VS = 3.235

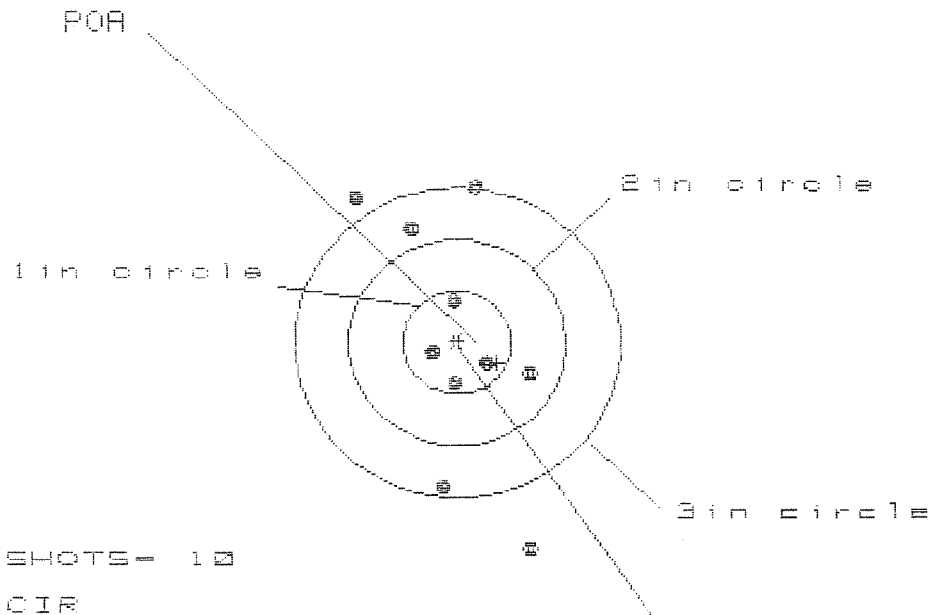
GS = 3.675

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.143	1.073	1.107
MINIMUM X	-1.402	-1.472	-1.338
MAXIMUM Y	1.062	1.359	1.215
MINIMUM Y	-1.373	-1.166	-1.310
CENTROID X	-.152	-.082	-.216
CENTROID Y	-.156	-.363	-.219
POA TO CENTROID in.	.218	.372	.308
MIN RADIUS	.542	.328	.495
MEAN RADIUS	1.243	1.144	1.086
MAX RADIUS	1.966	1.573	1.359
HORIZONTAL SPREAD	2.545	2.545	2.445
VERTICAL SPREAD	3.235	2.525	2.525
EXTREME SPREAD	3.675	2.862	2.529
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	8		

Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349058

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 4

2in = 5

3in = 7

HS = 1.607

VS = 3.481

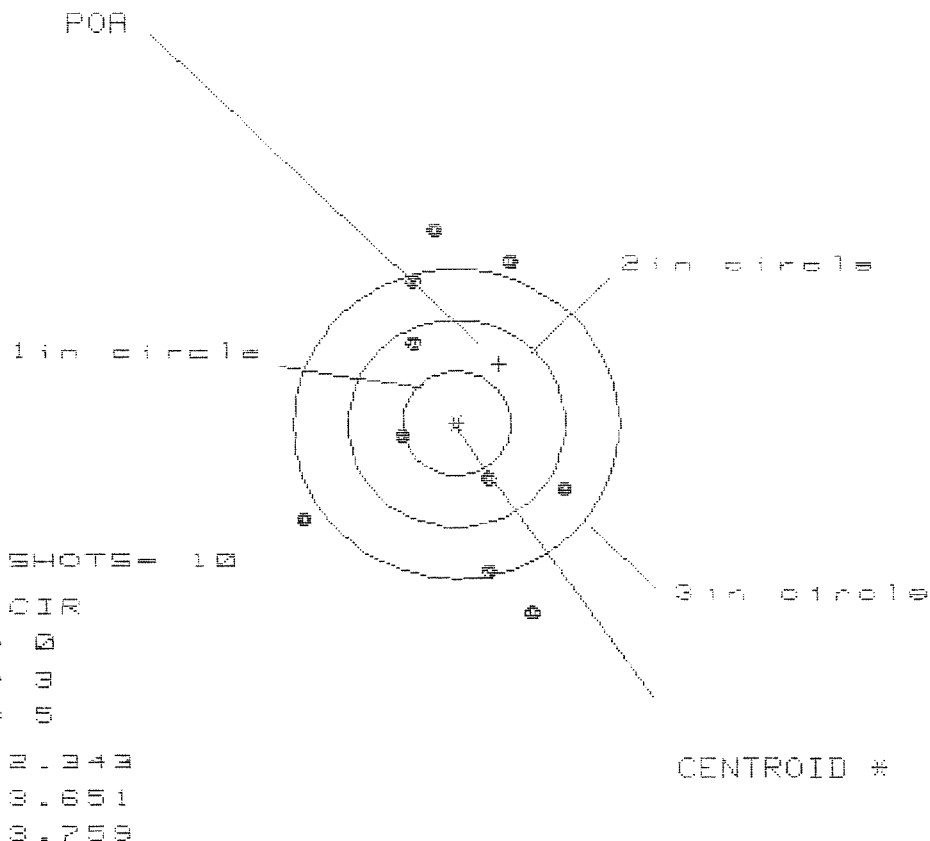
GS = 3.735

PATTERN #	2	3	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.696	.771	.667
MINIMUM X	-.911	-.836	-.465
MAXIMUM Y	1.509	1.290	1.439
MINIMUM Y	-1.972	-1.615	-1.466
CENTROID X	-.367	-.442	-.338
CENTROID Y	.192	.411	.262
POA TO CENTROID in.	.415	.604	.428
MIN RADIUS	.288	.163	.387
MEAN RADIUS	.997	.879	.780
MAX RADIUS	2.084	1.615	1.472
HORIZONTAL SPREAD	1.607	1.607	1.132
VERTICAL SPREAD	3.481	2.905	2.905
EXTREME SPREAD	3.735	2.921	2.915
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

1 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349058

CENTERFIRE PATTERNS # 3



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.982	1.064	1.054
MINIMUM X	:	-1.361	-1.279	-1.289
MAXIMUM Y	:	1.842	1.641	1.541
MINIMUM Y	:	-1.809	-1.673	-1.467
CENTROID X	:	-.396	-.478	-.468
CENTROID Y	:	-.576	-.375	-.581
POA TO CENTROID in.	:	.699	.607	.745
MIN RADIUS	:	.521	.527	.450
MEAN RADIUS	:	1.319	1.237	1.169
MAX RADIUS	:	1.952	1.733	1.646
HORIZONTAL SPREAD	:	2.343	2.343	2.343
VERTICAL SPREAD	:	3.651	3.314	3.008
EXTREME SPREAD	:	3.759	3.351	3.126
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		5	

1 Mar 1998

FILE://PATTERNING/CENTERFIRE_PATT/C8349058

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 8

HS= 2.140

VS= 3.257

GS= 3.524

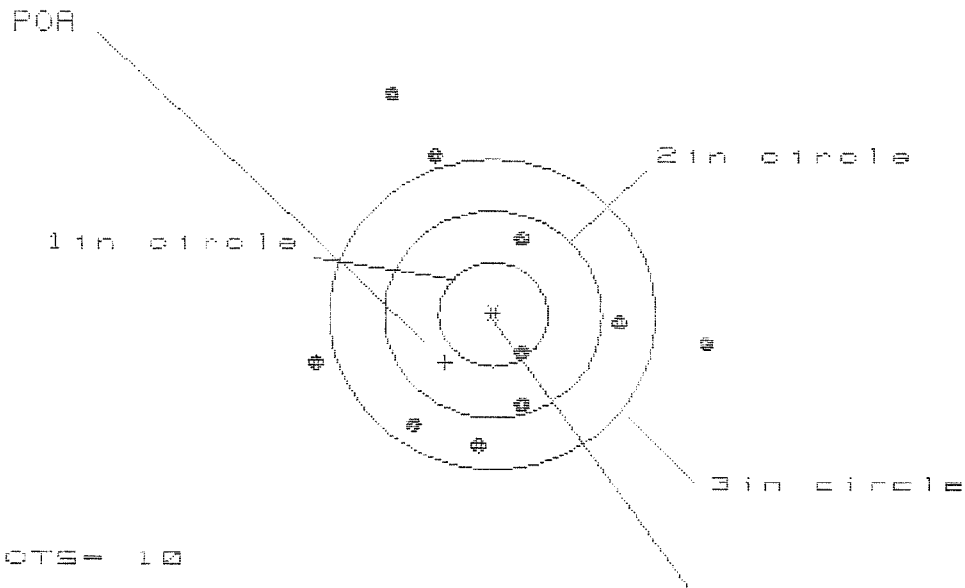
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.935	.810	.874
MINIMUM X	:	-1.205	-1.102	-1.000
MAXIMUM Y	:	1.396	1.189	.991
MINIMUM Y	:	-1.861	-1.582	-1.200
CENTROID X	:	.213	.110	.008
CENTROID Y	:	-.102	.105	.303
POA TO CENTROID in.	:	.236	.152	.303
MIN RADIUS	:	.315	.346	.489
MEAN RADIUS	:	1.169	1.049	.950
MAX RADIUS	:	2.083	1.778	1.416
HORIZONTAL SPREAD	:	2.140	1.912	1.874
VERTICAL SPREAD	:	3.257	2.771	2.191
EXTREME SPREAD	:	3.524	2.988	2.430
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349058

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 6

HS= 3.594

VS= 3.372

GS= 3.790

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.001	1.897	1.253
MINIMUM X	-1.593	-1.697	-1.460
MAXIMUM Y	2.092	1.811	1.802
MINIMUM Y	-1.280	-1.048	-1.056
CENTROID X	.436	.540	.303
CENTROID Y	.466	.234	.242
POA TO CENTROID in.	.638	.588	.388
MIN RADIUS	.490	.245	.453
MEAN RADIUS	1.355	1.193	1.119
MAX RADIUS	2.292	1.907	1.838
HORIZONTAL SPREAD	3.594	3.594	2.713
VERTICAL SPREAD	3.372	2.859	2.859
EXTREME SPREAD	3.790	3.599	2.881
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		