

C6523475

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Sinewave®

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: RE00133018

Serial: C6523475 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/19/1990

Repairman:

Verify Repair

High Priority

Status:

Closed 8/22/2007 7:14:00 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: XR WOK8 USA ROCK ISL ARSENAL

XR WOK8 USA ROCK ISL ARSENAL

Address 2: BLDG 299 GILLESPIE AVE BECK

PO Box:

BLDG 299 GILLESPIE AVE BECK

PO Box:

City: ROCK ISLAND

ROCK ISLAND

State: IL

Zip Code: 61299

Country: US

State: IL

Zip Code: 61299

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
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

8/22/2007

7:53 AM

CAPS

NUM

INS

SCRL



Inbox - Micr...

Calendar - M...

FW: Restrict...

Arms Service...



7:53 AM

Serial Number:

C6523475

Model: M24 SWS



RE00133018

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523475.___0
FILE DATE AND TIME: 12/07/2007 09:21

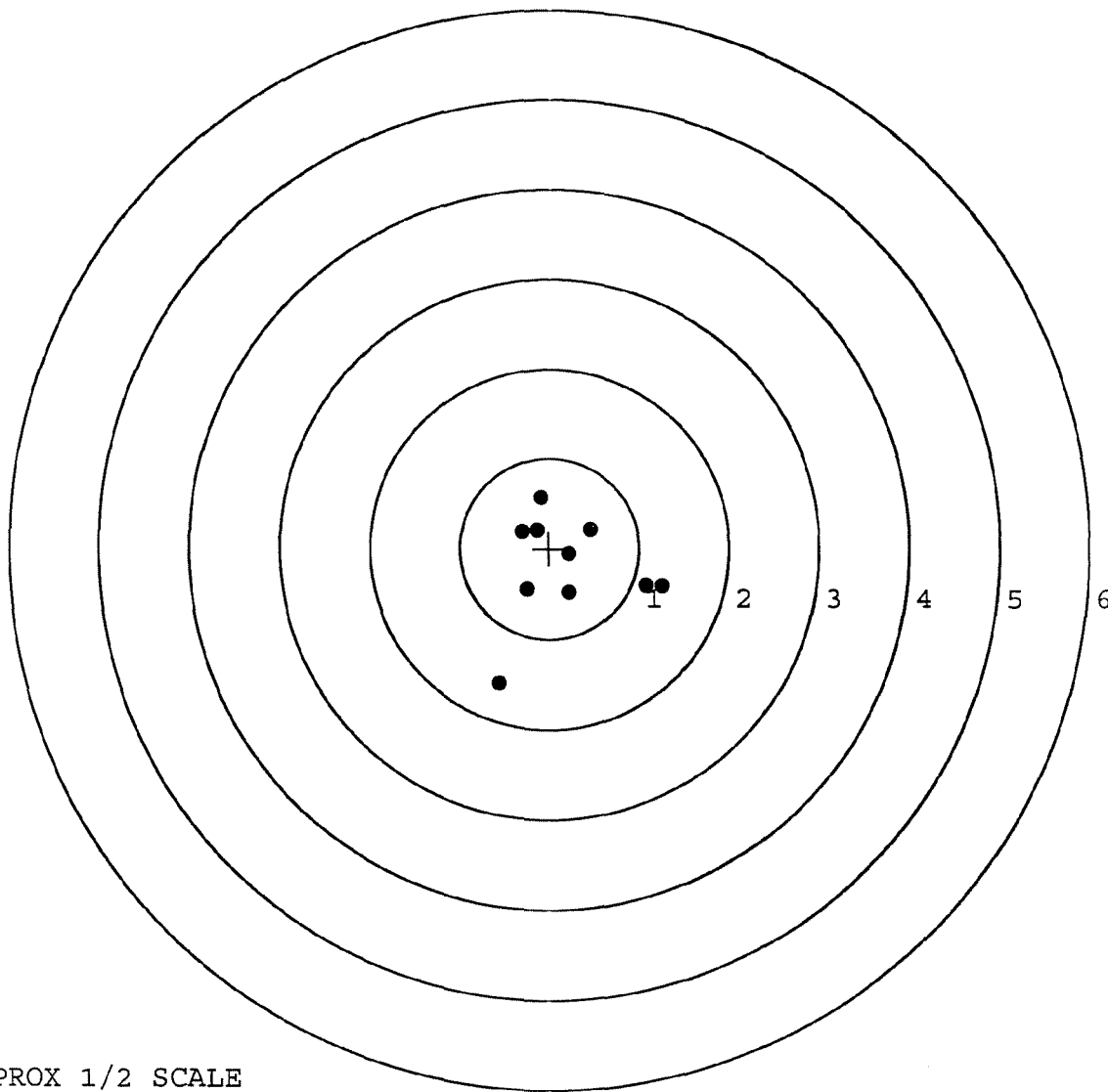
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.035
The Average Y Centroid of the Five Target Set:	-0.153
The Average Point of Impact of the Five Target Set:	0.157
The Average Mean Radius of the Five Target Set:	0.672
The Distance from POA to Centroid Target #1:	0.286
The Distance from Centroid Target #2 to Centroid Target #1:	0.199
The Distance from Centroid Target #3 to Centroid Target #1:	0.416
The Distance from Centroid Target #4 to Centroid Target #1:	0.120
The Distance from Centroid Target #5 to Centroid Target #1:	0.166

SERIAL NUMBER: C6523475. __0
TARGET NUMBER: 1
FILE DATE: 12/07/2007
FILE TIME: 09:21

X CENTROID: 0.188
Y CENTROID: -0.216
POA TO CENTROID: 0.286
HORZ SPREAD: 1.821
VERT SPREAD: 2.060
GROUP SPREAD: 2.117
MIN RADIUS: 0.159
MAX RADIUS: 1.485
MEAN RADIUS: 0.693
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.255	-0.416
2:	1.079	-0.411
3:	0.460	0.211
4:	-0.099	0.565
5:	-0.307	0.190
6:	-0.140	0.205
7:	0.224	-0.061
8:	0.224	-0.492
9:	-0.249	-0.454
10:	-0.566	-1.495



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523475. __0

TARGET NUMBER: 2

FILE DATE: 12/07/2007

FILE TIME: 09:21

POINT#	X	Y
1:	0.576	-0.605
2:	0.126	-0.554
3:	0.494	0.727
4:	0.207	0.434
5:	-0.060	0.167
6:	-1.022	0.439
7:	0.041	-0.078
8:	-0.183	0.005
9:	-0.347	-0.157
10:	0.200	-1.789

X CENTROID: 0.003

Y CENTROID: -0.141

POA TO CENTROID: 0.141

HORZ SPREAD: 1.598

VERT SPREAD: 2.516

GROUP SPREAD: 2.541

MIN RADIUS: 0.074

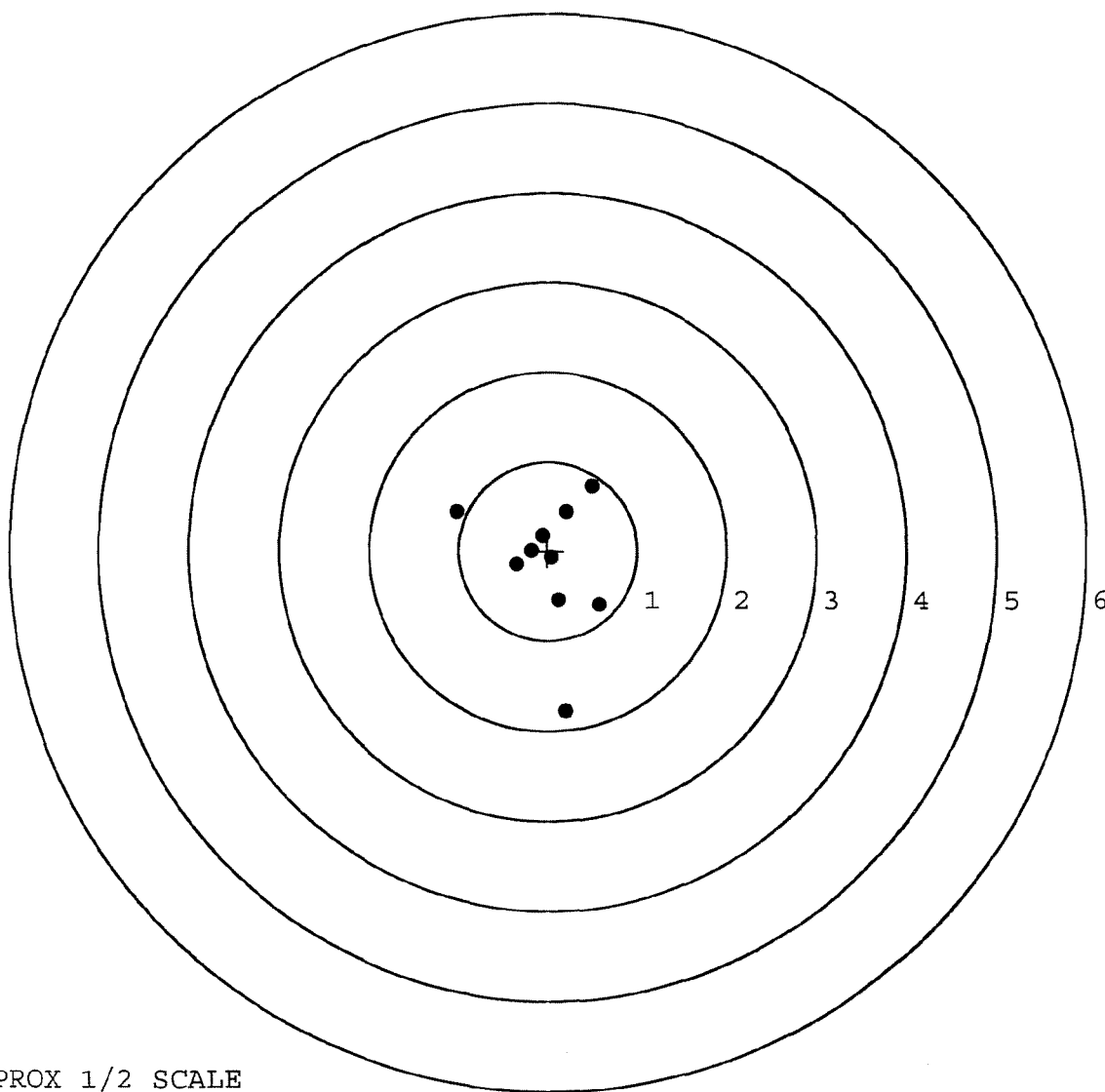
MAX RADIUS: 1.660

MEAN RADIUS: 0.659

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

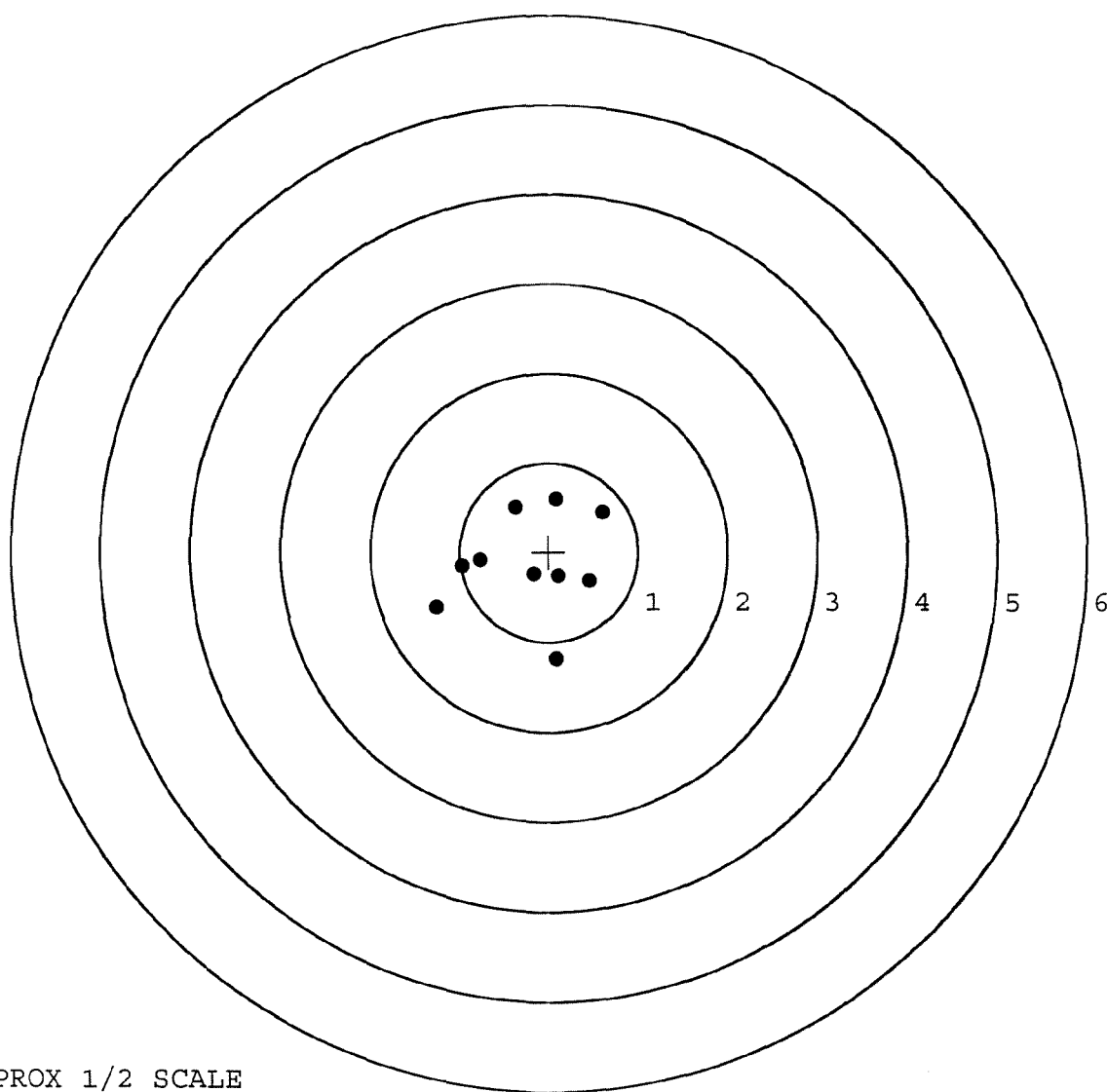


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523475. __0
TARGET NUMBER: 3
FILE DATE: 12/07/2007
FILE TIME: 09:21

POINT#	X	Y
1:	0.093	-1.193
2:	0.460	-0.324
3:	0.108	-0.271
4:	-0.167	-0.253
5:	-0.773	-0.098
6:	-0.972	-0.166
7:	-1.264	-0.628
8:	-0.378	0.498
9:	0.083	0.590
10:	0.602	0.444

X CENTROID: -0.221
Y CENTROID: -0.140
POA TO CENTROID: 0.261
HORZ SPREAD: 1.866
VERT SPREAD: 1.783
GROUP SPREAD: 2.152
MIN RADIUS: 0.125
MAX RADIUS: 1.152
MEAN RADIUS: 0.720
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

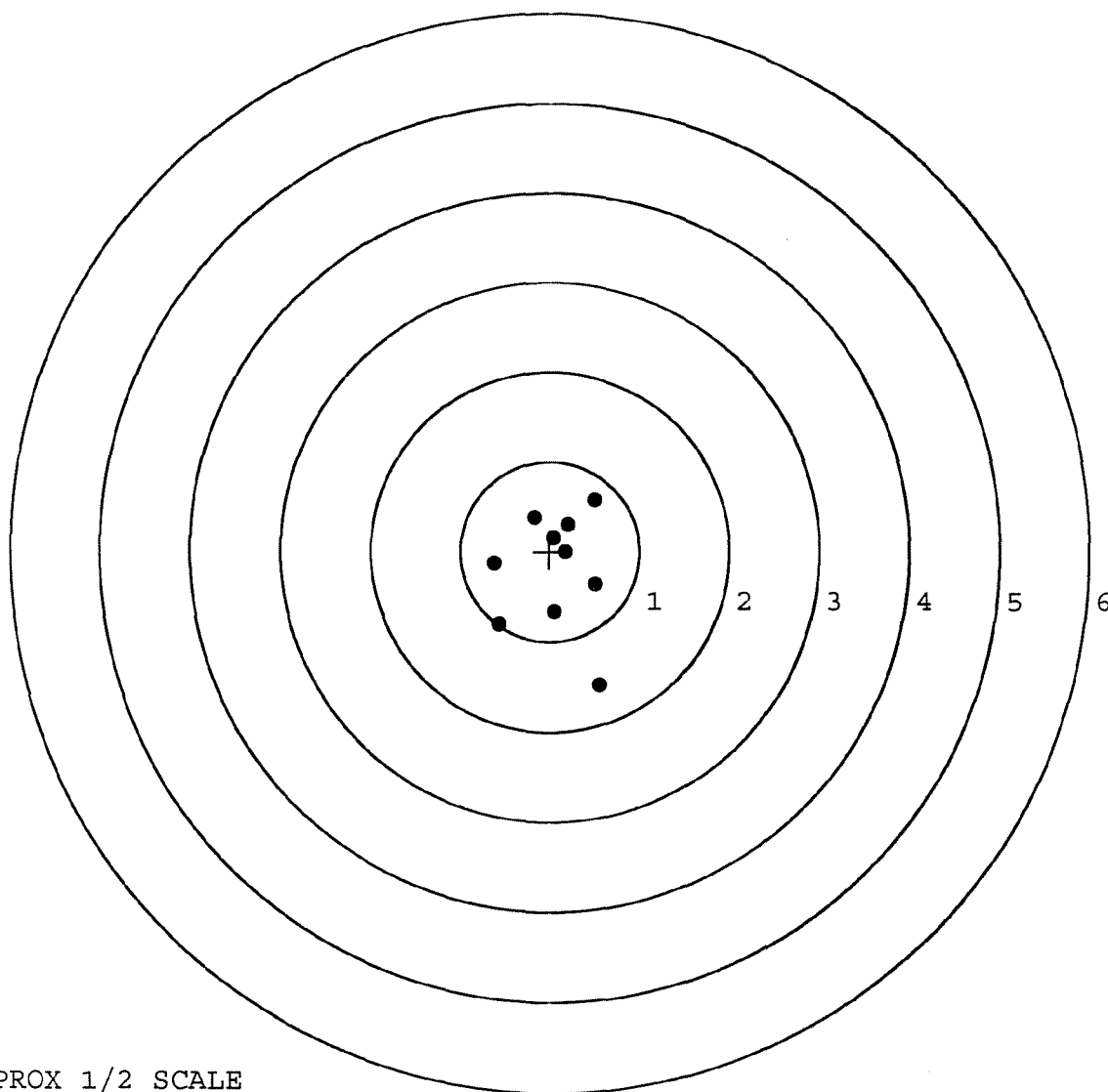


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523475. __0
TARGET NUMBER: 4
FILE DATE: 12/07/2007
FILE TIME: 09:21

POINT#	X	Y
1:	0.556	-1.485
2:	0.513	-0.367
3:	0.047	-0.674
4:	-0.571	-0.815
5:	-0.621	-0.136
6:	0.506	0.570
7:	0.177	-0.011
8:	0.205	0.297
9:	-0.176	0.379
10:	0.046	0.151

X CENTROID: 0.068
Y CENTROID: -0.209
POA TO CENTROID: 0.220
HORZ SPREAD: 1.177
VERT SPREAD: 2.055
GROUP SPREAD: 2.056
MIN RADIUS: 0.226
MAX RADIUS: 1.366
MEAN RADIUS: 0.652
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

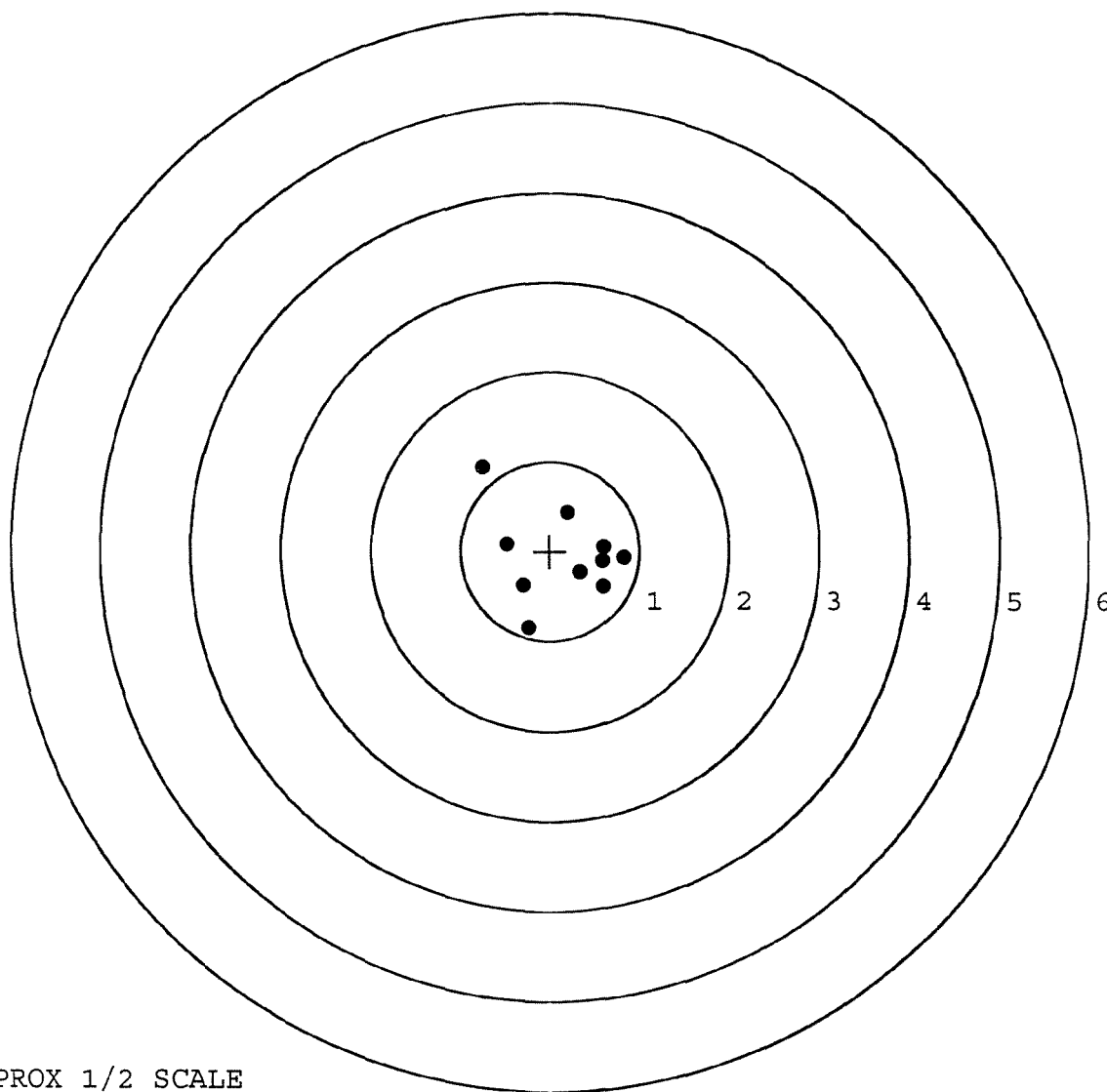


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523475. __0
TARGET NUMBER: 5
FILE DATE: 12/07/2007
FILE TIME: 09:21

POINT#	X	Y
1:	-0.237	-0.860
2:	-0.306	-0.391
3:	-0.486	0.075
4:	0.194	0.429
5:	-0.754	0.938
6:	0.828	-0.069
7:	0.605	0.047
8:	0.595	-0.395
9:	0.336	-0.239
10:	0.591	-0.110

X CENTROID: 0.137
Y CENTROID: -0.057
POA TO CENTROID: 0.148
HORZ SPREAD: 1.582
VERT SPREAD: 1.798
GROUP SPREAD: 1.896
MIN RADIUS: 0.270
MAX RADIUS: 1.336
MEAN RADIUS: 0.637
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	133012		
SERIAL NUMBER	E6413475 C6523475 TRW		
LOG-IN DATE	8-22-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	11-1-07	RTZ
505	RE-BARREL		
560	ASSEMBLE		
600	PROOF	11-7-07	TRW
605	CHECK HEADSPACE	11-7-07	TRW
610	DIS-ASSEMBLE GUN	11-08-07	TRW
612	MAGNAFLUX	11-19-07	JB
510	DRILL AND TAP	11-8-07	S.D
615	ROLLMARK CALIBER	11-13-07	CW
618	ROTO-BLAST	11-14-07	xy
620	APPLY COATINGS	11/12/07	PS
625	FINAL ASSEMBLY	12-3-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	
650	TARGET	PASS FAIL	12-6-07 TRW
	MALFUNCTION Bit release sticks	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		12-6-07 FM
	A) HEADSPACE	PASS FAIL	12-20-07 BA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	12-7-07 BA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	12-7-07 BA
	G) SAFETY OFF FORCE	2 LBS MIN	12-7-07 BA
	I) FIRING PIN INDENT	.020	12-7-07 BA
690	PACK		1-2-08 BA

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

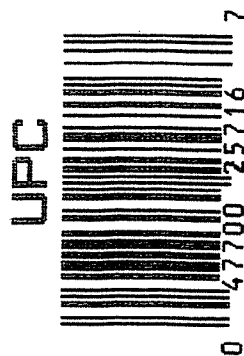
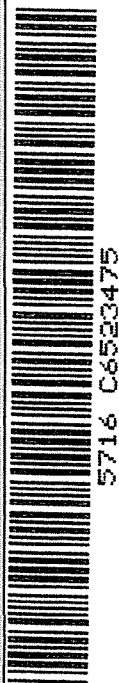
SERIAL NO. C6523475

ORDER NO. 5716

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

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

Ø1



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523475

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/4/90	KA
600	Proof		10/4/90	KA
607	Check Headspace		10/4/90	KA
610	Dis-assemble Gun		10/4/90	KA
612	Magnaflux Barrel Action		10/9/90	KR
	Magnaflux Bolt		10/9/90	KR
615	Rollmark Caliber		10/9/90	LS
617	Drill and Tap Sight Holes		10/11/90	LB
618	Polish Barrel <i>LB</i>		10/12/90	LB
620	Apply Coatings (Barrel Action)		10-12-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/14/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/14/90	WB
	C) Inspect Ejector Hole for Chamfer		10/14/90	WB
	D) Oil Firing Pin Ass'y		10/19/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		11/5/90	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.5	4.5	4.5			11-2-90	KP
	G) Safety Off Force	2.5	2.5	2.25			11-2-90	KP
	H) Trigger Pull Test & Retainability						11-5-90	RM
	I) Firing Pin Indent	0.25	0.24	0.25			11-2-90	KP
	J) Assemble Stock						11-5-90	KP
	K) Assemble Swivel Studs						11-20-90	RM
	L) Attach Front and Rear Sight Assemblies						11-5-90	KP
	M) Iron Sight Alignment						11-5-90	KP
	N) Detach Front & Rear Sights & place in numbered container						11-5-90	KP
	O) Attach Scope to Rifle						11-5-90	KP
	P) Detach & Attach Scope 20 Times						11-5-90	KP
640	Gallery Target & Test						11/6/90	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						11/6/90	NF
655	Final Inspection							
	A) Headspace						11-20-90	RM
	B) Trigger Pull	2.58	2.47	2.41	2.49	2.32	11-20-90	RM
	C) Function						11-20-90	RM
660	Pack						12/18/90	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523475

DATE 11/5/90

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.20	2.34	2.30	2.58	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.30	2.33	2.47	
PULL #3	2.20	2.21	2.28	2.41	
PULL #4	2.17	2.33	2.30	2.49	
PULL #5	2.30	2.35	2.31	2.32	
TOTAL	11.15	11.53	11.52		
AVG.	2.23	2.306	2.304		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.41		
PULL #2	3.33	3.41		
PULL #3	3.48	3.16		
PULL #4	3.37	3.42		
PULL #5	3.29	3.50		
TOTAL	16.78	16.90		
AVG.	3.356	3.38		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.21		4.27
PULL #2	4.23	4.22		4.24
PULL #3	4.32	4.16		4.28
PULL #4	4.34	4.17		4.29
PULL #5	4.33	4.18		4.26
TOTAL	21.56	20.94		21.34
AVG.	4.312	4.188		4.268

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523475
7 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.44809
1 TO	2	.474065
1 TO	3	.365613
1 TO	4	.518833
1 TO	5	.602289

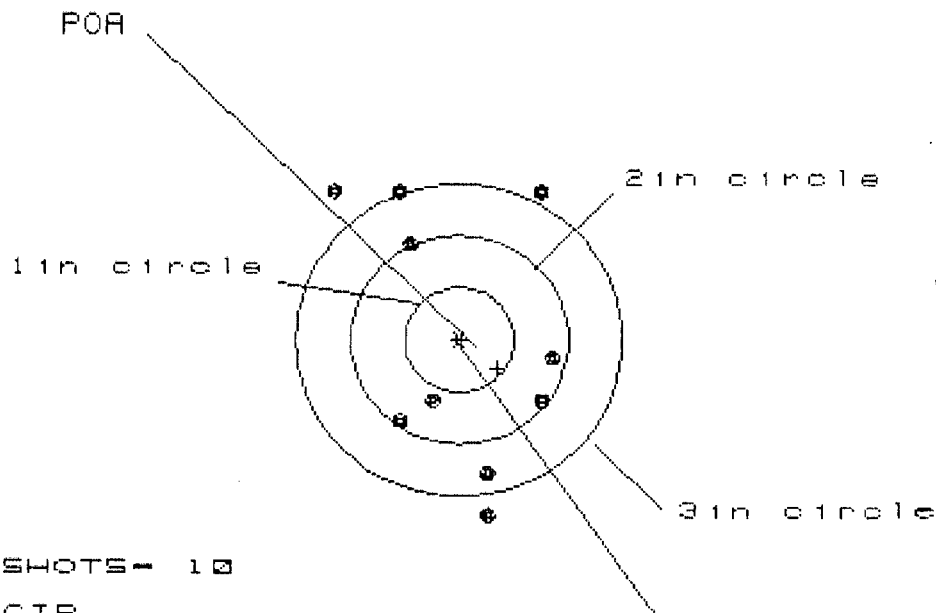
11 345 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0682
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0294
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0742671
THE AMR FOR THIS RIFLE IS: 1.018

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523475

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 0

2in = 5

3in = 7

HS = 2.019

VS = 3.120

GS = 3.395

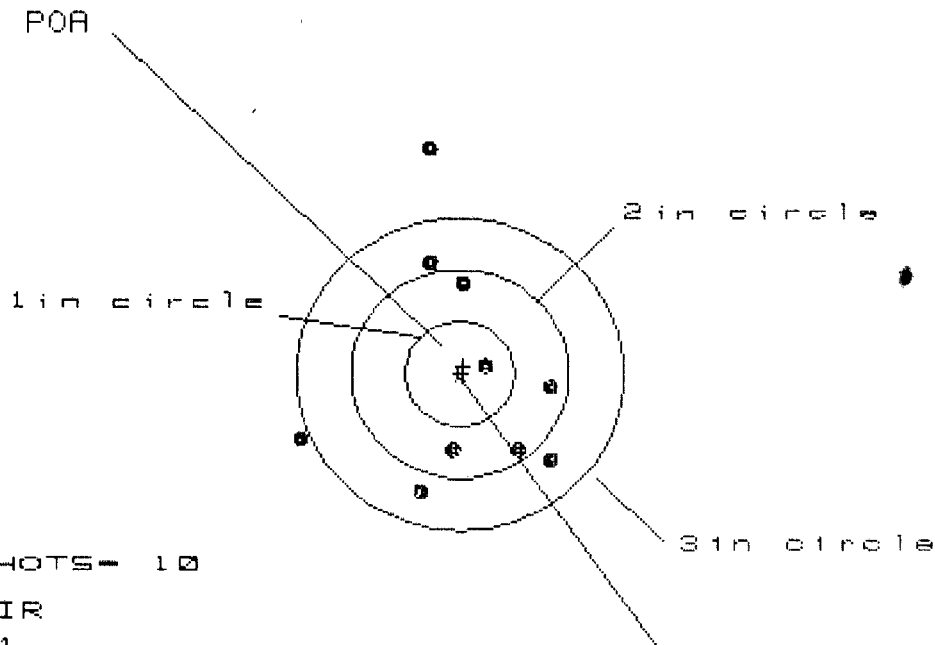
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.868	.740	.751
MINIMUM X	:	-1.151	-.693	-.682
MAXIMUM Y	:	1.444	1.603	1.413
MINIMUM Y	:	-1.676	-1.517	-1.327
CENTROID X	:	-.353	-.225	-.236
CENTROID Y	:	.276	.117	.307
POA TO CENTROID in.	:	.448	.253	.387
MIN RADIUS	:	.641	.565	.718
MEAN RADIUS	:	1.242	1.141	1.108
MAX RADIUS	:	1.835	1.713	1.542
HORIZONTAL SPREAD	:	2.019	1.433	1.433
VERTICAL SPREAD	:	3.120	3.120	2.740
EXTREME SPREAD	:	3.395	3.162	2.781
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523475

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.291

VS = 3.310

GS = 3.313

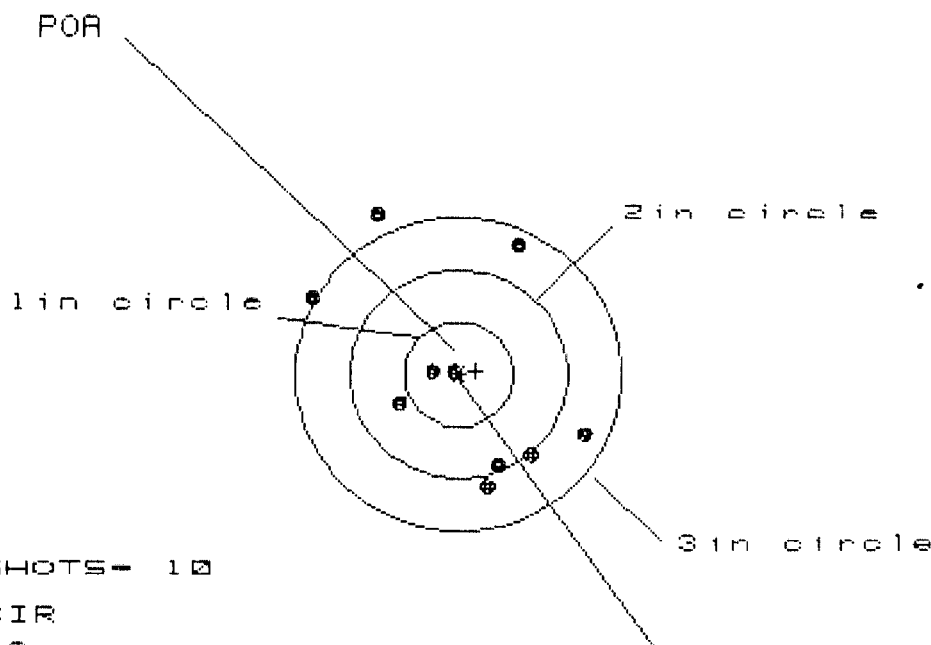
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.806	.777	.588
MINIMUM X	:	-1.485	-1.514	-.605
MAXIMUM Y	:	2.207	1.336	1.286
MINIMUM Y	:	-1.103	-.857	-.906
CENTROID X	:	-.030	-.001	.188
CENTROID Y	:	-.071	-.317	-.268
POA TO CENTROID in.	:	.077	.317	.327
MIN RADIUS	:	.288	.421	.299
MEAN RADIUS	:	1.093	.934	.819
MAX RADIUS	:	2.222	1.564	1.385
HORIZONTAL SPREAD	:	2.291	2.291	1.193
VERTICAL SPREAD	:	3.310	2.193	2.193
EXTREME SPREAD	:	3.313	2.348	2.196
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523475

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS = 2.479

VS = 2.535

GS = 2.828

CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.123
MINIMUM X	-1.356
MAXIMUM Y	1.507
MINIMUM Y	-1.028
CENTROID X	-.156
CENTROID Y	-.032
POA TO CENTROID in.	.159
MIN RADIUS	.039
MEAN RADIUS	.979
MAX RADIUS	1.679
HORIZONTAL SPREAD	2.479
VERTICAL SPREAD	2.535
EXTREME SPREAD	2.828
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	8

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523475

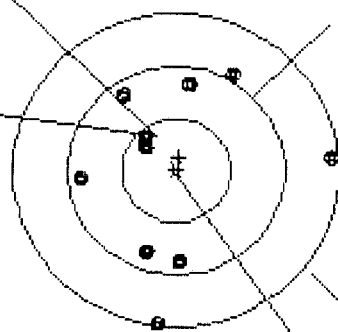
CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle



CENTROID #

OF SHOTS - 10

IN CIR

1in = 2

2in = 7

3in = 9

HS = 2.312

VS = 2.389

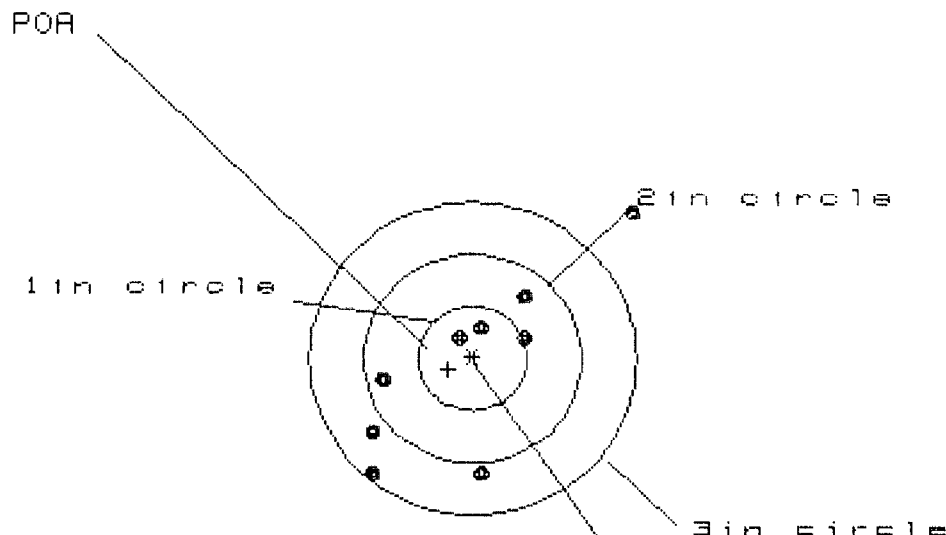
GS = 2.494

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.466	1.448	.726
MINIMUM X	:	-.846	-.864	-.682
MAXIMUM Y	:	.893	.727	.726
MINIMUM Y	:	-1.496	-1.002	-1.003
CENTROID X	:	-.025	-.007	-.189
CENTROID Y	:	-.126	.040	.041
POA TO CENTROID in.	:	.128	.041	.193
MIN RADIUS	:	.359	.281	.125
MEAN RADIUS	:	.903	.809	.678
MAX RADIUS	:	1.504	1.448	1.027
HORIZONTAL SPREAD	:	2.312	2.312	1.408
VERTICAL SPREAD	:	2.389	1.729	1.729
EXTREME SPREAD	:	2.494	2.328	1.840
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523475

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.359

VS= 2.524

GS= 3.455

CENTROID *

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.449	.681	.588
MINIMUM X	:	-.910	-.749	-.828
MAXIMUM Y	:	1.384	.750	.627
MINIMUM Y	:	-1.140	-.986	-1.022
CENTROID X	:	.223	.062	.155
CENTROID Y	:	.100	-.054	.069
POA TO CENTROID in.	:	.244	.082	.170
MIN RADIUS	:	.228	.367	.239
MEAN RADIUS	:	.873	.773	.670
MAX RADIUS	:	2.004	1.238	1.041
HORIZONTAL SPREAD	:	2.359	1.430	1.415
VERTICAL SPREAD	:	2.524	1.736	1.649
EXTREME SPREAD	:	3.455	2.249	1.894
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		