

C6523519

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400029580

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Smead®

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: **RE00092210** Serial: C6523519 Model: M24 SWS Center Fire
 Caliber: 7.62 NATO Produced: 12/18/1990

Repairman: Status: Closed 2/1/2005 7:08:23 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 362014199 Country: US State: AL Zip Code: 362014199 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing															
Contact Information Phone: Fax: Email: Comments:	Received Condition Good Condition Notes: CSR Notes:	Accessories Received <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>3</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> <tr> <td>A057</td> <td>Fit and Rear Sgt Base</td> <td>1</td> </tr> </tbody> </table>			Code	Desc	Qty	A007	With Stud	3	A017	Scope Base	1	A026	Scope	1	A057	Fit and Rear Sgt Base	1
Code	Desc	Qty																	
A007	With Stud	3																	
A017	Scope Base	1																	
A026	Scope	1																	
A057	Fit and Rear Sgt Base	1																	

Repair Search Refresh Close

nagletj 2/7/2005 11:08 AM CAPS NUM INS SCPL

start 3 Arms Services R. 3

Serial Number: **C6523519**

Model: **M24 SWS**



RE00092210

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523519.___0

FILE DATE AND TIME: 08/10/2005 08:48

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

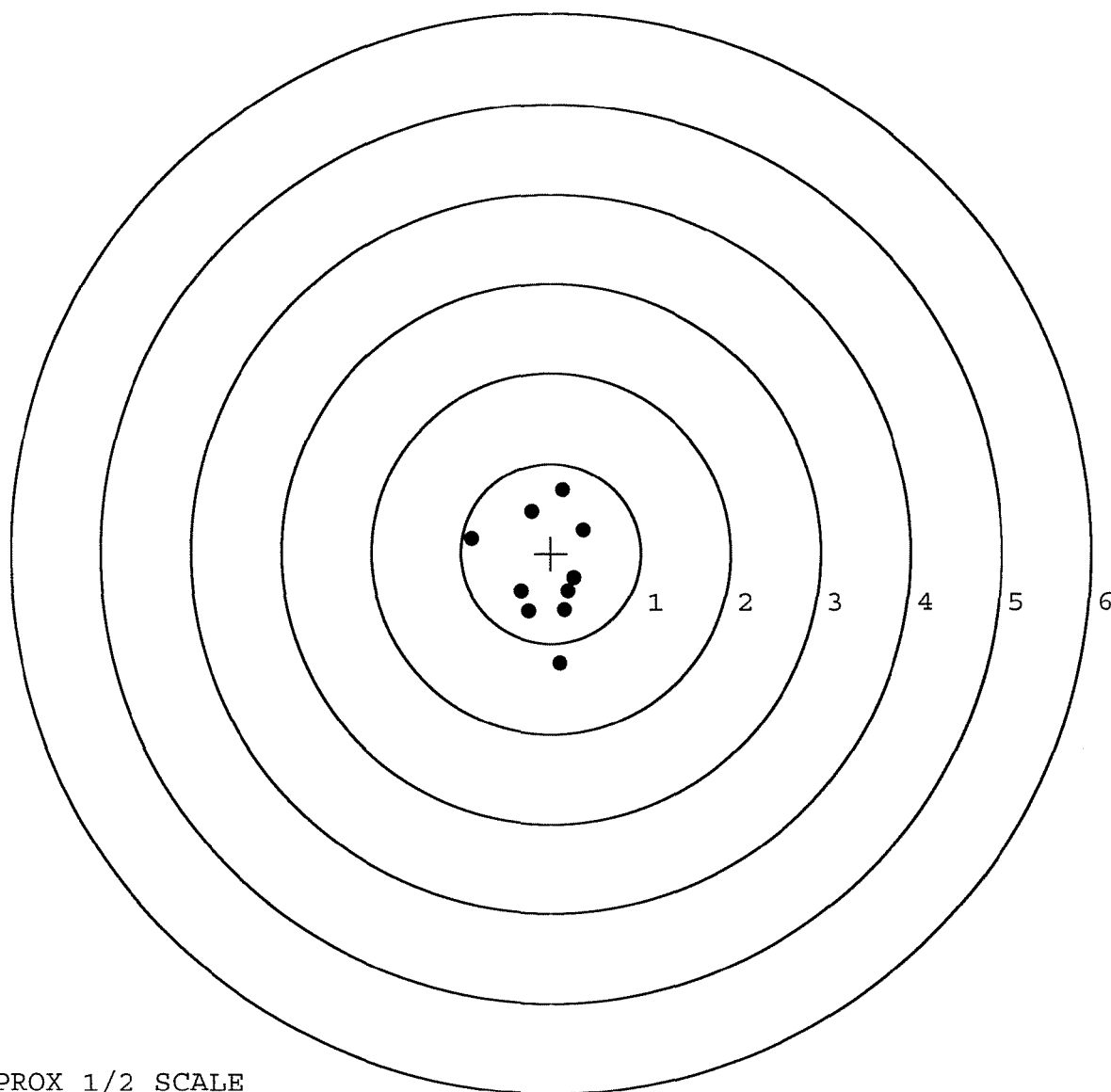
The Average X Centroid of the Five Target Set:	-0.108
The Average Y Centroid of the Five Target Set:	-0.046
The Average Point of Impact of the Five Target Set:	0.118
The Average Mean Radius of the Five Target Set:	0.901
The Distance from POA to Centroid Target #1:	0.211
The Distance from Centroid Target #2 to Centroid Target #1:	0.076
The Distance from Centroid Target #3 to Centroid Target #1:	0.397
The Distance from Centroid Target #4 to Centroid Target #1:	0.154
The Distance from Centroid Target #5 to Centroid Target #1:	0.310

SERIAL NUMBER: C6523519. 0
TARGET NUMBER: 1
FILE DATE: 08/10/2005
FILE TIME: 08:48

X CENTROID: -0.049
Y CENTROID: -0.206
POA TO CENTROID: 0.211
HORZ SPREAD: 1.248
VERT SPREAD: 1.932
GROUP SPREAD: 1.932
MIN RADIUS: 0.313
MAX RADIUS: 1.032
MEAN RADIUS: 0.615

IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.135	0.706
2:	-0.214	0.464
3:	-0.884	0.156
4:	0.364	0.256
5:	0.256	-0.278
6:	0.189	-0.422
7:	0.154	-0.640
8:	-0.339	-0.422
9:	-0.252	-0.652
10:	0.105	-1.226

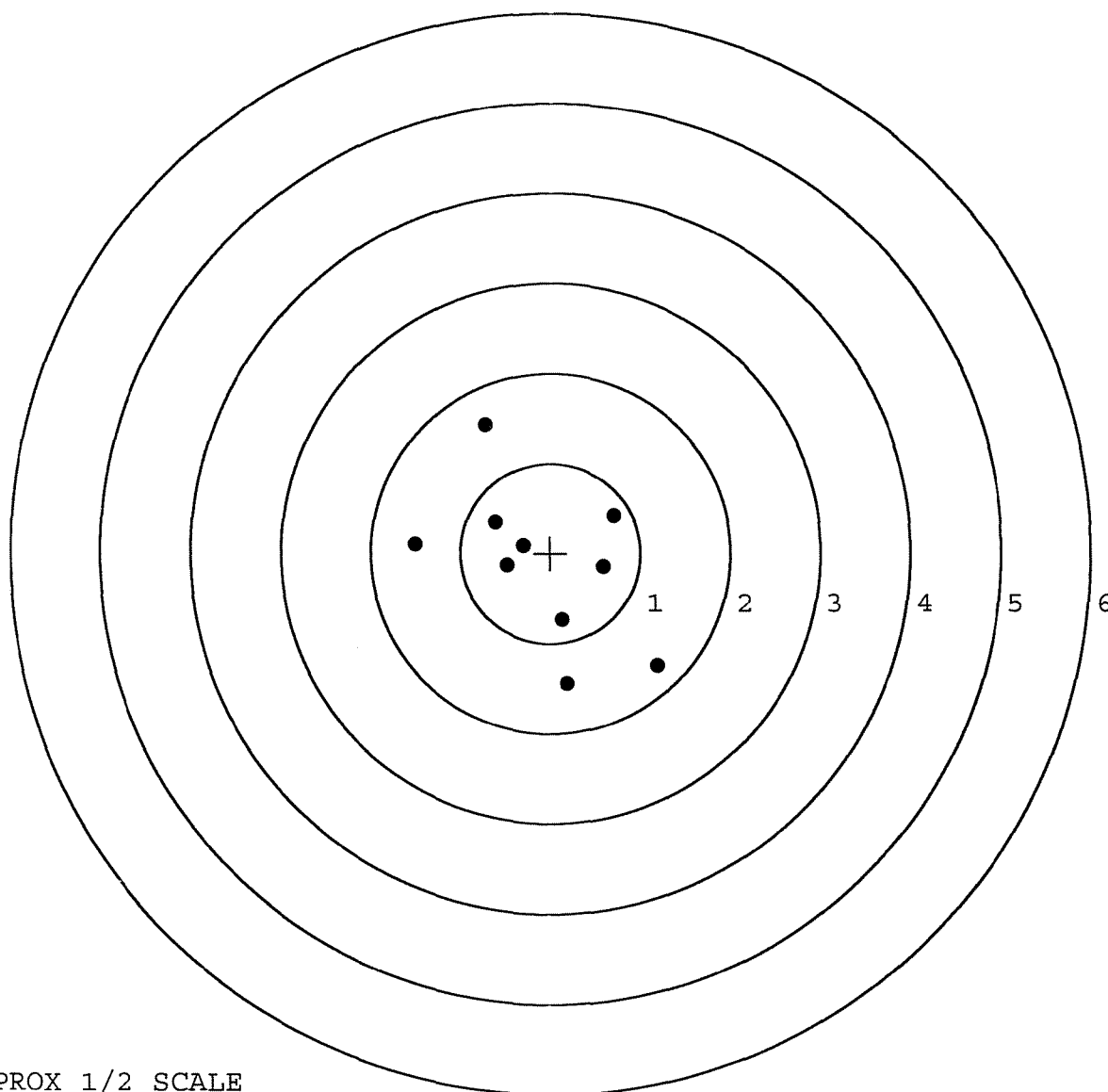


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523519. __0
TARGET NUMBER: 2
FILE DATE: 08/10/2005
FILE TIME: 08:48

POINT#	X	Y
1:	-0.729	1.426
2:	-1.513	0.087
3:	-0.613	0.338
4:	-0.306	0.082
5:	-0.483	-0.142
6:	0.706	0.417
7:	0.588	-0.153
8:	0.134	-0.741
9:	0.199	-1.449
10:	1.188	-1.249

X CENTROID: -0.083
Y CENTROID: -0.138
POA TO CENTROID: 0.161
HORZ SPREAD: 2.701
VERT SPREAD: 2.875
GROUP SPREAD: 3.291
MIN RADIUS: 0.314
MAX RADIUS: 1.693
MEAN RADIUS: 0.987
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

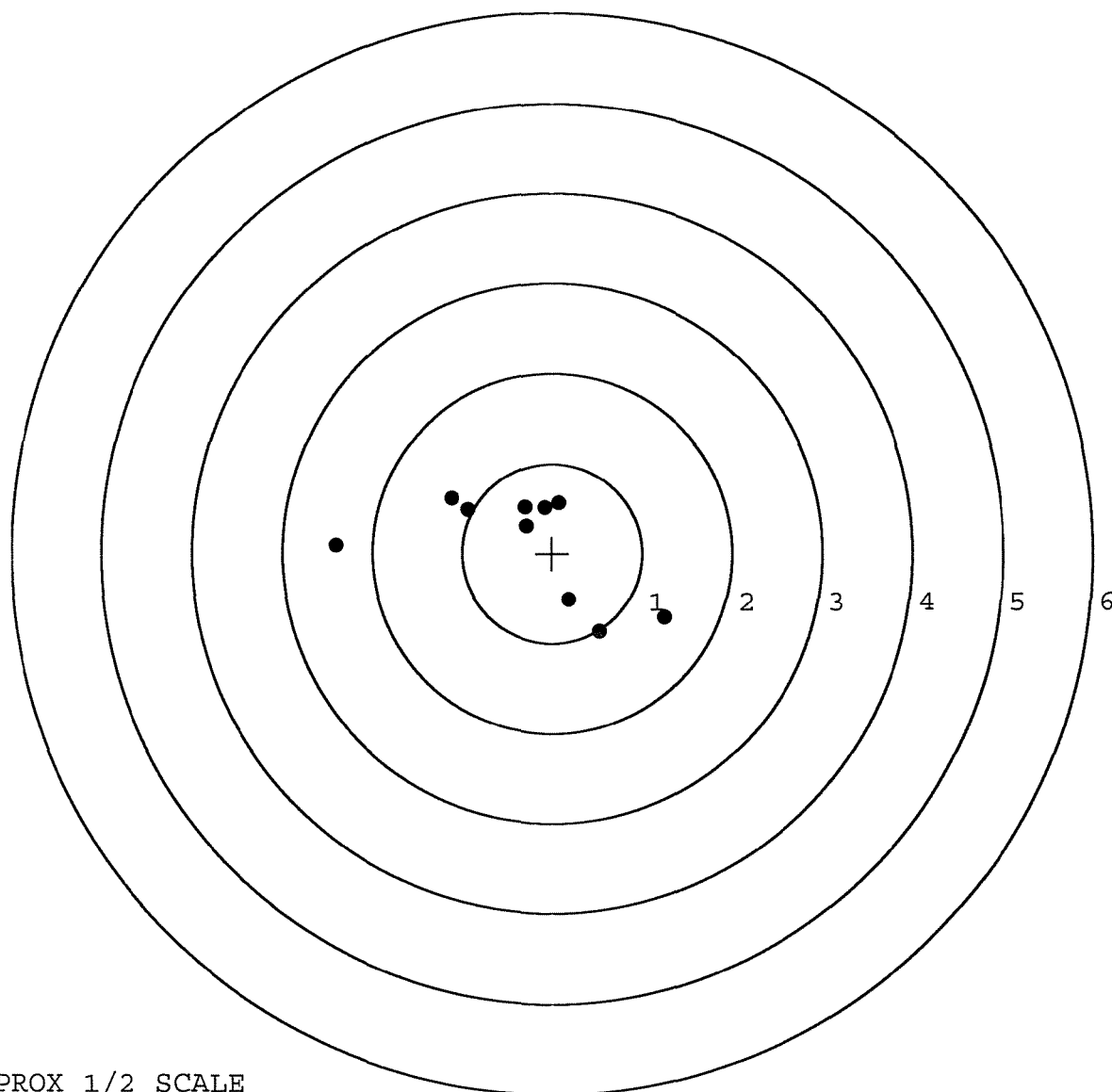


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523519. __0
TARGET NUMBER: 3
FILE DATE: 08/10/2005
FILE TIME: 08:48

X CENTROID: -0.308
Y CENTROID: 0.095
POA TO CENTROID: 0.323
HORZ SPREAD: 3.660
VERT SPREAD: 1.485
GROUP SPREAD: 3.747
MIN RADIUS: 0.211
MAX RADIUS: 2.099
MEAN RADIUS: 0.935
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.253	-0.724
2:	0.532	-0.876
3:	0.188	-0.521
4:	-2.407	0.081
5:	-1.115	0.609
6:	-0.939	0.483
7:	0.079	0.565
8:	-0.083	0.507
9:	-0.304	0.516
10:	-0.289	0.305

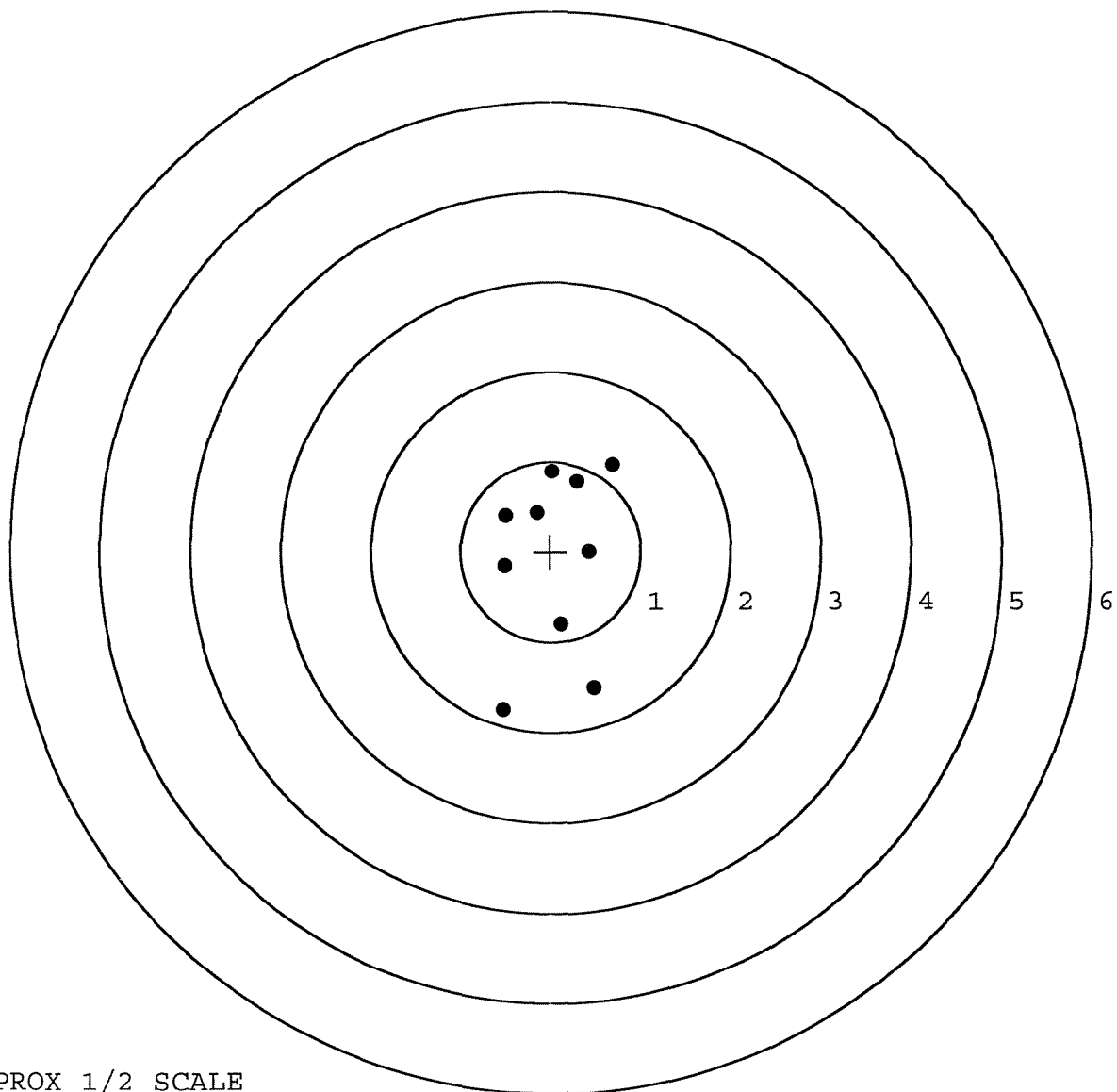


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523519. __0
TARGET NUMBER: 4
FILE DATE: 08/10/2005
FILE TIME: 08:48

POINT#	X	Y
1:	0.688	0.969
2:	0.018	0.890
3:	0.297	0.781
4:	-0.155	0.430
5:	-0.505	0.399
6:	-0.511	-0.161
7:	0.431	0.002
8:	0.118	-0.808
9:	0.482	-1.501
10:	-0.528	-1.753

X CENTROID: 0.033
Y CENTROID: -0.075
POA TO CENTROID: 0.082
HORZ SPREAD: 1.216
VERT SPREAD: 2.722
GROUP SPREAD: 2.981
MIN RADIUS: 0.405
MAX RADIUS: 1.769
MEAN RADIUS: 0.931
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9



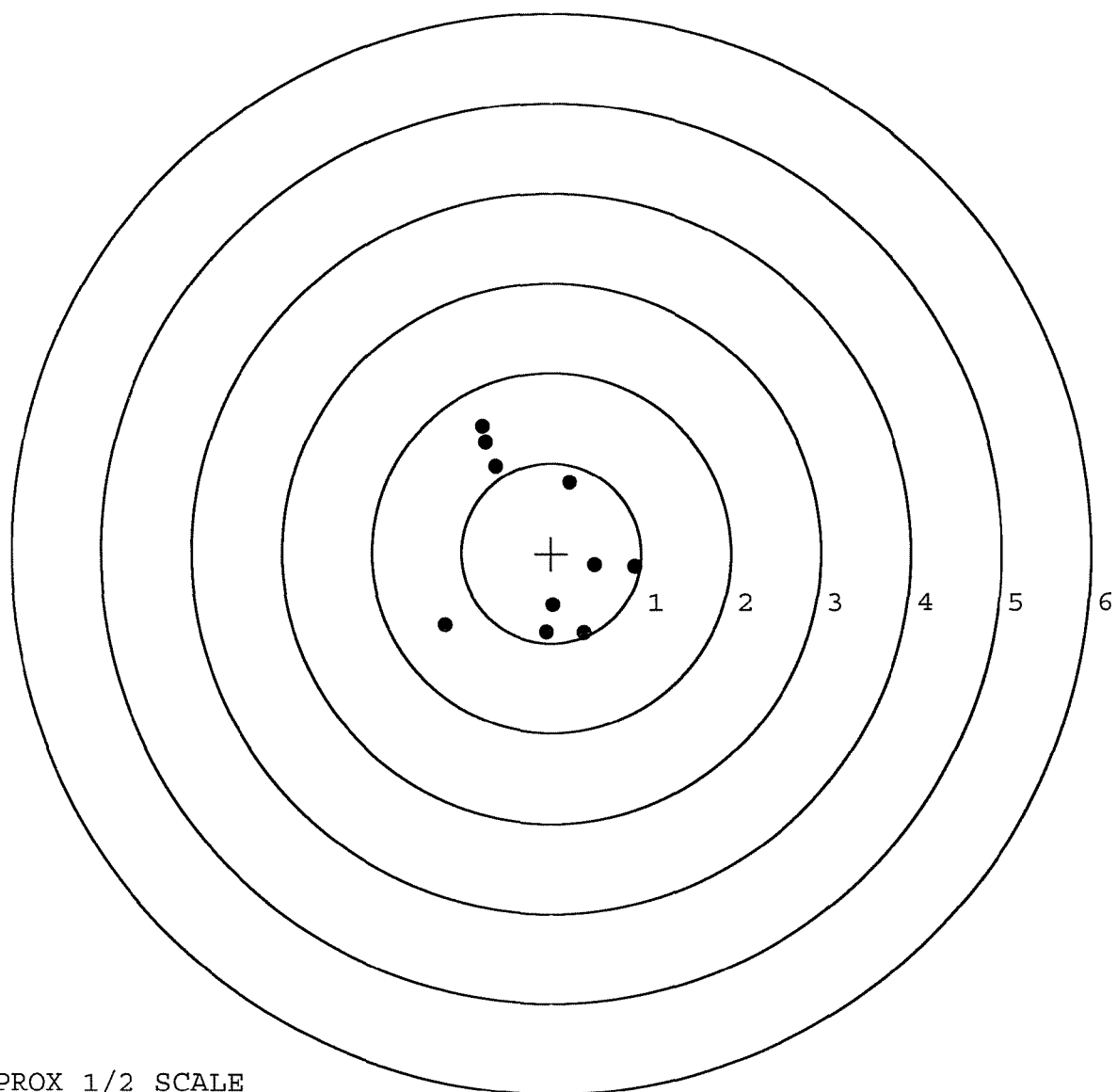
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523519. 0
TARGET NUMBER: 5
FILE DATE: 08/10/2005
FILE TIME: 08:48

X CENTROID: -0.134
Y CENTROID: 0.093
POA TO CENTROID: 0.163
HORZ SPREAD: 2.111
VERT SPREAD: 2.287
GROUP SPREAD: 2.555
MIN RADIUS: 0.656
MAX RADIUS: 1.453
MEAN RADIUS: 1.039

IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.930	-0.150
2:	0.483	-0.131
3:	0.021	-0.579
4:	-0.056	-0.882
5:	0.368	-0.888
6:	-1.181	-0.810
7:	-0.771	1.399
8:	-0.728	1.224
9:	-0.614	0.959
10:	0.211	0.786



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE 6-15-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.57	2.19		2.22	
PULL #2	2.65	2.12		2.16	
PULL #3	2.55	2.28		2.16	
PULL #4	2.52	2.19		2.13	
PULL #5	2.51	2.26		2.15	
TOTAL	12.80	11.04		10.82	
AVERAGE	2.56	2.20		2.16	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.15	3.20		
PULL #2	3.40	3.22		
PULL #3	3.49	3.27		
PULL #4	3.36	3.28		
PULL #5	3.47	3.24		
TOTAL	16.87	16.21		
AVERAGE	3.37	3.24		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.49	3.89		4.33
PULL #2	4.38	4.22		4.16
PULL #3	4.44	4.15		4.18
PULL #4	4.42	4.24		4.28
PULL #5	4.28	4.19		4.21
TOTAL	22.01	20.69		21.16
AVERAGE	4.40	4.13		4.23

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	92210		
SERIAL NUMBER	C6523519		
LOG-IN DATE	2-1-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-15-05	RTL
560 A	RE-BARREL	6-20-05	RTL
B	DRILL AND TAP	6-22-05	RTL
575	ASSEMBLE	6-20-05	RTL
600	PROOF	6-22-05	AC
605	CHECK HEADSPACE	6-22-05	AC
610	DIS-ASSEMBLE GUN	6-22-05	RTL
612	MAGNAFLUX RATOR <i>unab</i>	6/23/05	<i>unab</i>
615	ROLLMARK CALIBER	6-23-05	CW
618	ROTO-BLAST	7/7/05	JS
620	APPLY COATINGS	7-8-05	W
625 A	FINAL ASSEMBLY	8-5-05	RTL
B	TRIGGER PULL TEST	8-16-05	AC
C	SAFETY "ON" FORCE	8-16-05	AC
D	SAFETY "OFF" FORCE	8-16-05	AC
E	FIRING PIN INDENT	8-16-05	AC
640	TARGET	8-10-05	AC
655	FINAL INSPECT	8-16-05	AC
660	PACK	9-15-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

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

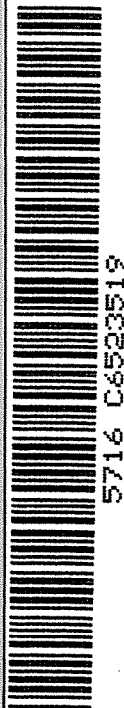
MODEL 700TM H24

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

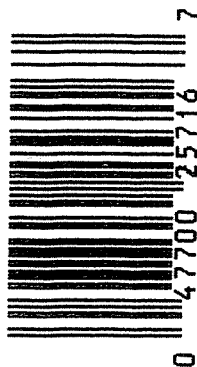
VERY IMPORTANT:
 Instruction Book
 enclosed to assure
 safe use of this
 firearm.

SERIAL NO. C6523519	ORDER NO. 5716
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Ø1



UPC



Stock Done
 Love Line Tip
 Repaired 12/13/90
 RW

H32

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523519

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	10/1/90	LS
600	Proof		10/1/90	LS
607	Check Headspace		10/1/90	LS
610	Dis-assemble Gun		10/1/90	LS
612	Magnaflux Barrel Action		10/3/90	KR
	Magnaflux Bolt		10/3/90	KR
615	Rollmark Caliber		10/3/90	LS
617	Drill and Tap Sight Holes		10/4/90	LS
618	Polish Barrel <i>PB</i>		10/5/90	LS
620	Apply Coatings (Barrel Action)		10-20-90	JA
	Apply Coating (Bolt)			
625	Final Assembly		11/8/90	KS
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/8/90	KS
	C) Inspect Ejector Hole for Chamfer		11/8/90	KS
	D) Oil Firing Pin Ass'y		11/8/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11-9-90	GM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/9/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			11/9/90	WB
	H) Trigger Pull Test & Retainability						11-9-90	98
	I) Firing Pin Indent	.0215	.0215	.0215			11/9/90	WB
	J) Assemble Stock						11/10/90	KS
	K) Assemble Swivel Studs						11-20-90	98
	L) Attach Front and Rear Sight Assemblies						11/10/90	KS
	M) Iron Sight Alignment						11/14/90	KS
	N) Detach Front & Rear Sights & place in numbered container						11/14/90	KS
	O) Attach Scope to Rifle						11/10/90	KS
	P) Detach & Attach Scope 20 Times						11/10/90	KS
640	Gallery Target & Test						11/12/90	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						11/12/90	NF
655	Final Inspection							
	A) Headspace						11-20-90	98
	B) Trigger Pull	285	287	273	268	268	11-20-90	98
	C) Function						11-20-90	98
660	Pack						12/14/90	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06523519

DATE 11-9-90

TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.24	2.29	285	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.47	2.50	287	
PULL #3	2.28	2.26	2.38	273	
PULL #4	2.38	2.45	2.49	268	
PULL #5	2.44	2.50	2.50	268	
TOTAL	11.85	11.92	12.16		
AVG.	2.376	2.384	2.432		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.17		
PULL #2	3.30	3.19		
PULL #3	3.28	3.25		
PULL #4	3.29	3.28		
PULL #5	3.27	3.13		
TOTAL	16.45	16.02		
AVG.	3.29	3.204		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.22		4.29
PULL #2	4.14	4.30		4.36
PULL #3	4.35	4.29		4.38
PULL #4	4.33	4.25		4.26
PULL #5	4.38	4.21		4.33
TOTAL	21.49	21.27		21.62
AVG.	4.298	4.254		4.324

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523519
13 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.265189
1 TO	2	.455412
1 TO	3	.352528
1 TO	4	.0441022
1 TO	5	.531029

$\bar{x}_0$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0262
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0158
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0305954
THE AMR FOR THIS RIFLE IS: .919

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523513

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in - 4

2in - 7

3in - 10

HS- 2.213

VS= 2.067

GS= 2.649

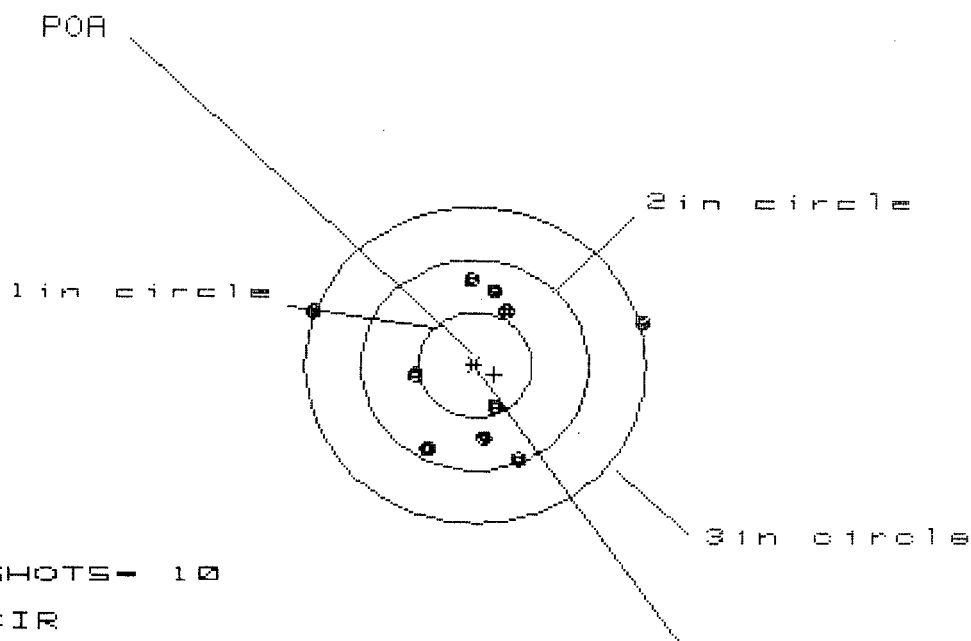
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.216	.545	.507
MINIMUM X	:	-.997	-.862	-.900
MAXIMUM Y	:	1.310	1.226	.703
MINIMUM Y	:	-.757	-.755	-.602
CENTROID X	:	.206	.071	.109
CENTROID Y	:	-.167	-.083	-.236
POA TO CENTROID in.	:	.265	.109	.260
MIN RADIUS	:	.216	.218	.097
MEAN RADIUS	:	.738	.669	.557
MAX RADIUS	:	1.432	1.263	.901
HORIZONTAL SPREAD	:	2.213	1.407	1.407
VERTICAL SPREAD	:	2.067	1.981	1.305
EXTREME SPREAD	:	2.649	1.988	1.413
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523513

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 8

HS= 2.887

VS= 1.663

GS= 2.890

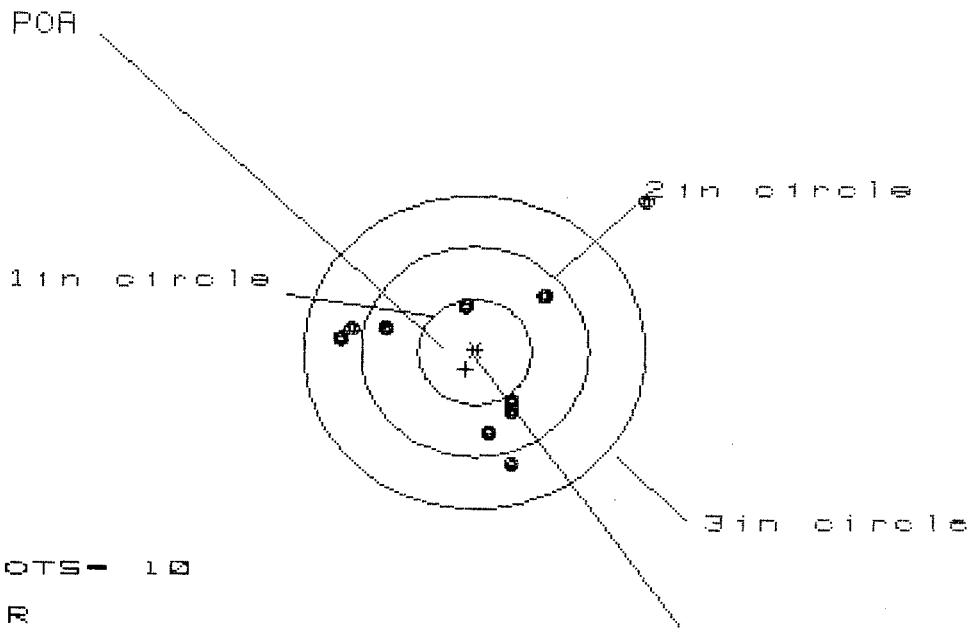
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.453	1.294	.345
MINIMUM X	:	-1.434	-.651	-.490
MAXIMUM Y	:	.772	.832	.891
MINIMUM Y	:	-.891	-.831	-.772
CENTROID X	:	-.172	-.013	-.174
CENTROID Y	:	.087	.027	-.032
POA TO CENTROID in.	:	.193	.030	.177
MIN RADIUS	:	.463	.373	.355
MEAN RADIUS	:	.862	.782	.685
MAX RADIUS	:	1.533	1.378	.893
HORIZONTAL SPREAD	:	2.887	1.945	.835
VERTICAL SPREAD	:	1.663	1.663	1.663
EXTREME SPREAD	:	2.890	2.249	1.712
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

13 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06523519

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 6

3 in - 9

HS- 2.650

VS- 2.451

GS- 2.964

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.511	.792	.671
MINIMUM X	:	-1.139	-.971	-1.052
MAXIMUM Y	:	1.415	.650	.681
MINIMUM Y	:	-1.036	-.879	-.848
CENTROID X	:	.082	-.086	.035
CENTROID Y	:	.163	.006	-.025
POA TO CENTROID in.	:	.182	.086	.043
MIN RADIUS	:	.422	.562	.464
MEAN RADIUS	:	.939	.793	.747
MAX RADIUS	:	2.070	1.025	1.129
HORIZONTAL SPREAD	:	2.650	1.763	1.723
VERTICAL SPREAD	:	2.451	1.529	1.529
EXTREME SPREAD	:	2.964	1.873	1.873
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523519

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.335

VS= 1.991

GS= 2.371

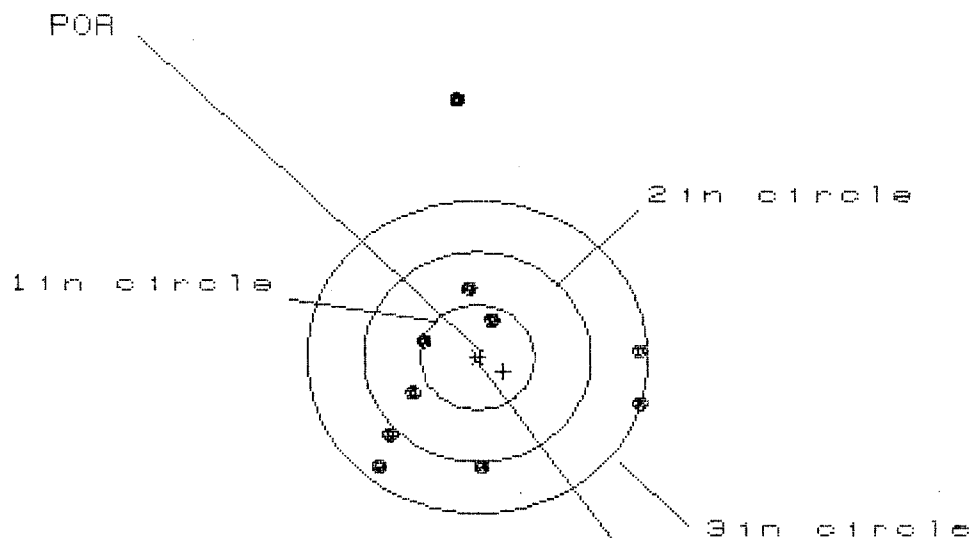
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.491	1.065	1.025
MINIMUM X	:	-.844	-.678	-.718
MAXIMUM Y	:	.951	.970	.842
MINIMUM Y	:	-1.040	-1.021	-.842
CENTROID X	:	.243	.077	.116
CENTROID Y	:	-.143	-.162	-.034
POA TO CENTROID in.	:	.281	.179	.121
MIN RADIUS	:	.312	.472	.466
MEAN RADIUS	:	.938	.875	.842
MAX RADIUS	:	1.501	1.146	1.164
HORIZONTAL SPREAD	:	2.335	1.743	1.743
VERTICAL SPREAD	:	1.991	1.991	1.684
EXTREME SPREAD	:	2.371	2.043	2.043
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523519

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.355

VS= 3.565

GS= 3.634

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.449	1.427	1.601
MINIMUM X	-.906	-.928	-.754
MAXIMUM Y	2.481	.974	.956
MINIMUM Y	-1.084	-.808	-.826
CENTROID X	-.228	-.206	-.380
CENTROID Y	.139	-.137	-.119
POA TO CENTROID in.	.267	.247	.398
MIN RADIUS	.356	.577	.412
MEAN RADIUS	1.118	.956	.860
MAX RADIUS	2.489	1.463	1.629
HORIZONTAL SPREAD	2.355	2.355	2.355
VERTICAL SPREAD	3.565	1.782	1.782
EXTREME SPREAD	3.634	2.612	2.612
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		