

C6523506

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

01/03/08 13:59:51

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: RE00138954

Serial: C6523506 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:

Verify Repair

Status: Closed 1/2/2008 11:04:42 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: CAMP ROBERTS MATES (EDS)

CAMP ROBERTS MATES (EDS)

Address 1: ATTN: CW3 KEISTER

ATTN: CW3 KEISTER

Address 2: EAST GARRISON, BLDG 25021

PO Box:

EAST GARRISON, BLDG 25021

PO Box:

City: SAN MIGUEL

SAN MIGUEL

State: CA

Zip Code: 93451

Country:

State: CA

Zip Code: 93451

Country:

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

1/3/2008

1:59 PM

CAPS

NUM

INS

SCRL



1:59 PM

Serial Number: C6523506

Model: M24 SWS



RE00138954

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523506.__0

FILE DATE AND TIME: 02/01/2008 09:21

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

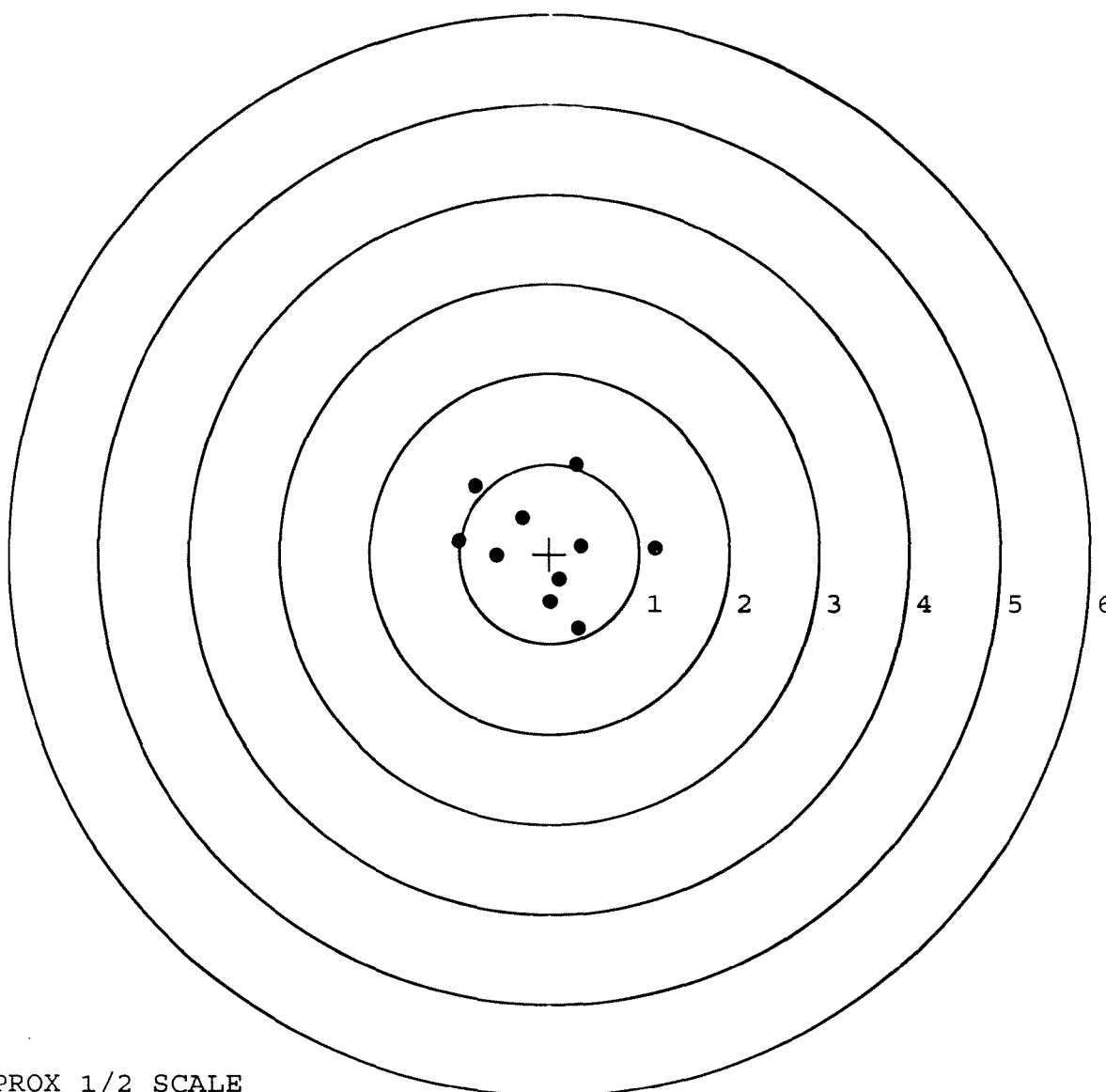
The Average X Centroid of the Five Target Set:	0.048
The Average Y Centroid of the Five Target Set:	-0.074
The Average Point of Impact of the Five Target Set:	0.088
The Average Mean Radius of the Five Target Set:	0.694
The Distance from POA to Centroid Target #1:	0.091
The Distance from Centroid Target #2 to Centroid Target #1:	0.214
The Distance from Centroid Target #3 to Centroid Target #1:	0.030
The Distance from Centroid Target #4 to Centroid Target #1:	0.099
The Distance from Centroid Target #5 to Centroid Target #1:	0.596

SERIAL NUMBER: C6523506. __0
TARGET NUMBER: 1
FILE DATE: 02/01/2008
FILE TIME: 09:21

X CENTROID: -0.044
Y CENTROID: 0.079
POA TO CENTROID: 0.091
HORZ SPREAD: 2.189
VERT SPREAD: 1.837
GROUP SPREAD: 2.190
MIN RADIUS: 0.395
MAX RADIUS: 1.221
MEAN RADIUS: 0.757

IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.824	0.752
2:	-1.012	0.145
3:	-0.584	-0.016
4:	-0.303	0.405
5:	0.304	0.998
6:	0.359	0.093
7:	0.112	-0.284
8:	0.008	-0.536
9:	0.320	-0.839
10:	1.177	0.072

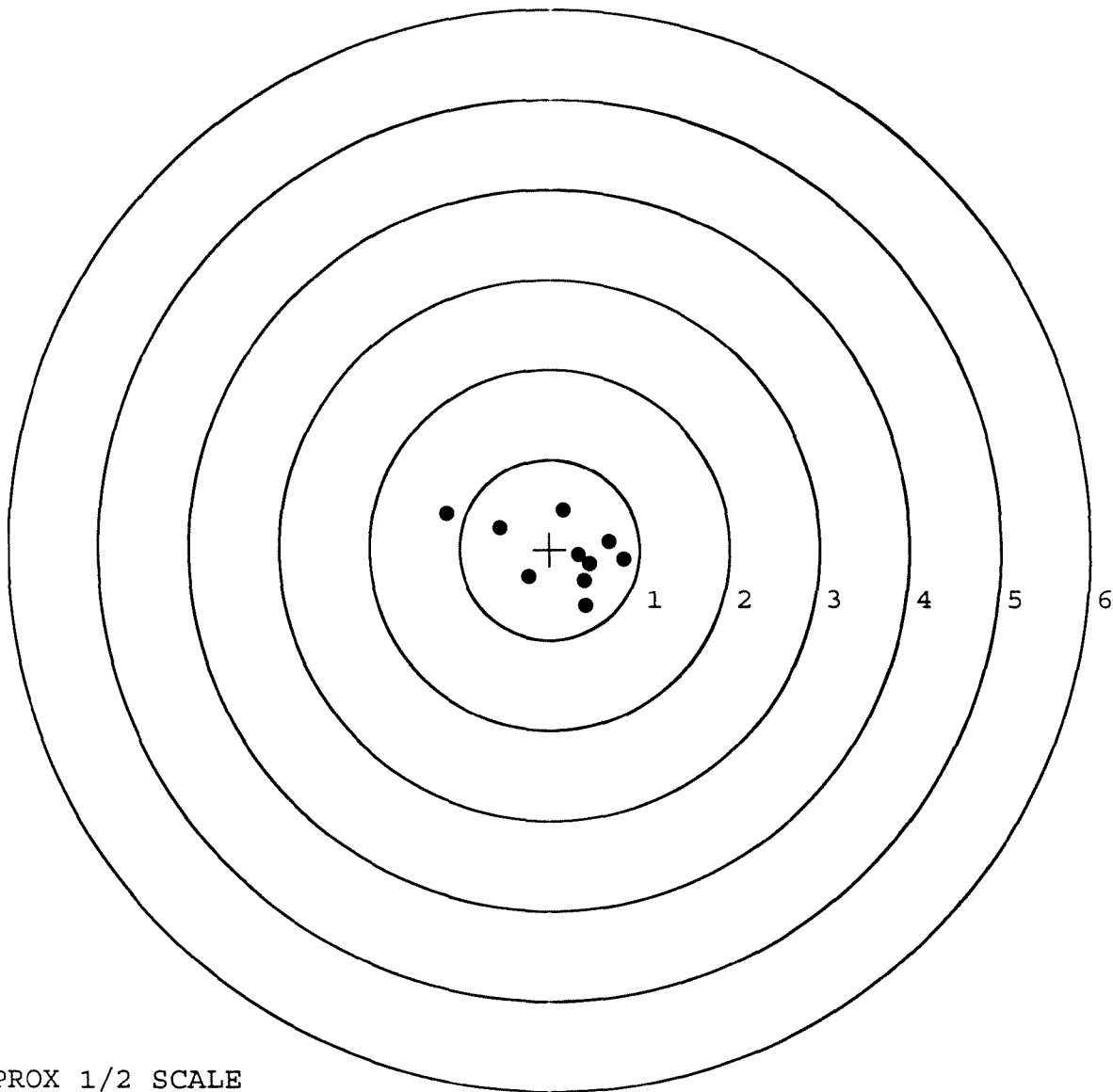


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523506. __0
TARGET NUMBER: 2
FILE DATE: 02/01/2008
FILE TIME: 09:21

POINT#	X	Y
1:	-1.145	0.385
2:	-0.549	0.229
3:	0.151	0.430
4:	-0.239	-0.303
5:	0.411	-0.627
6:	0.822	-0.113
7:	0.392	-0.351
8:	0.323	-0.061
9:	0.663	0.090
10:	0.447	-0.164

X CENTROID: 0.128
Y CENTROID: -0.049
POA TO CENTROID: 0.137
HORZ SPREAD: 1.967
VERT SPREAD: 1.057
GROUP SPREAD: 2.029
MIN RADIUS: 0.196
MAX RADIUS: 1.344
MEAN RADIUS: 0.583
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

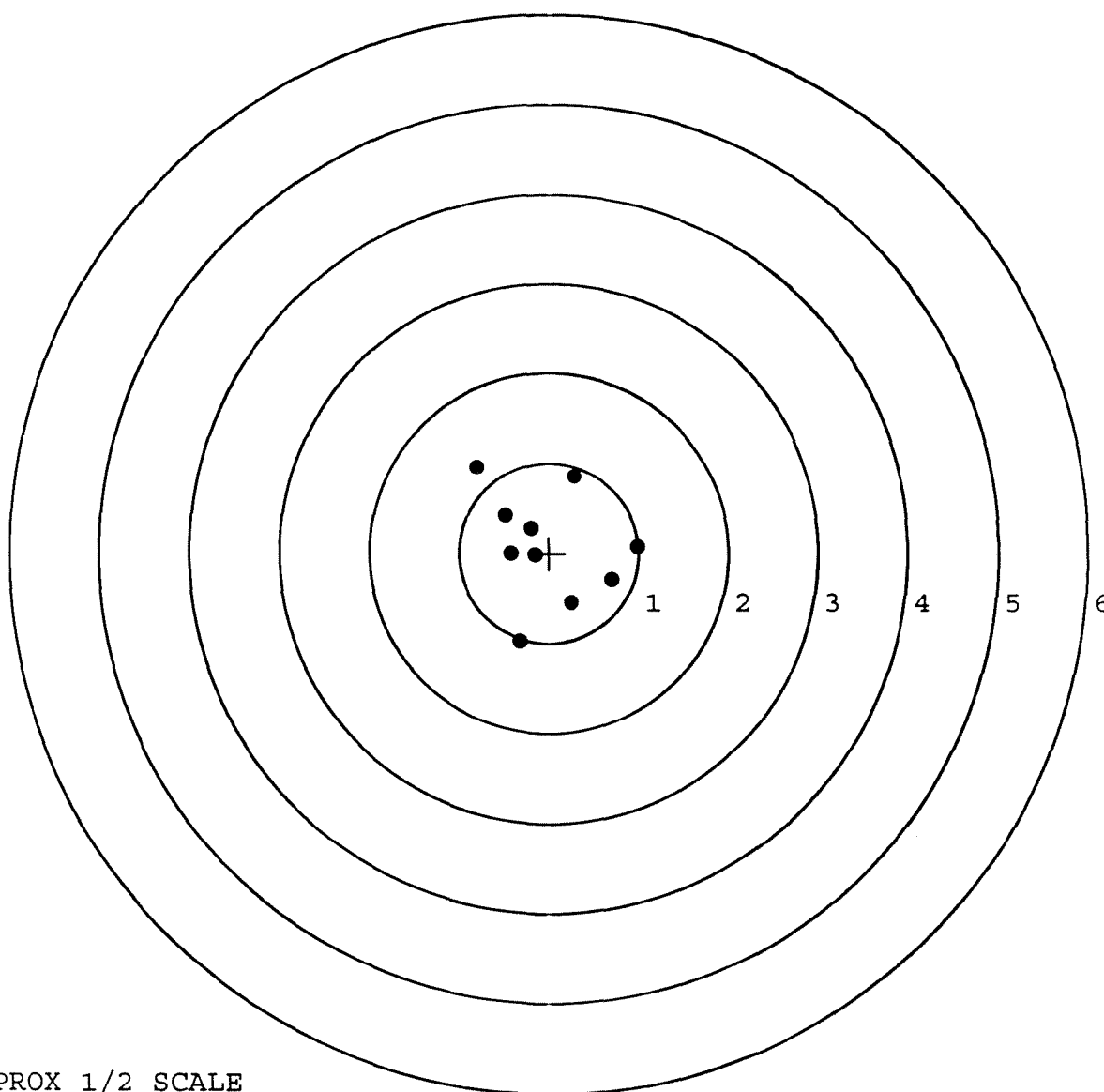


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523506. __0
 TARGET NUMBER: 3
 FILE DATE: 02/01/2008
 FILE TIME: 09:21

X CENTROID: -0.016
 Y CENTROID: 0.069
 POA TO CENTROID: 0.071
 HORZ SPREAD: 1.794
 VERT SPREAD: 1.936
 GROUP SPREAD: 1.995
 MIN RADIUS: 0.169
 MAX RADIUS: 1.180
 MEAN RADIUS: 0.706
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.324	-0.988
2:	0.257	-0.555
3:	0.706	-0.296
4:	0.990	0.076
5:	0.284	0.850
6:	-0.804	0.948
7:	-0.489	0.416
8:	-0.158	-0.022
9:	-0.424	-0.011
10:	-0.199	0.274

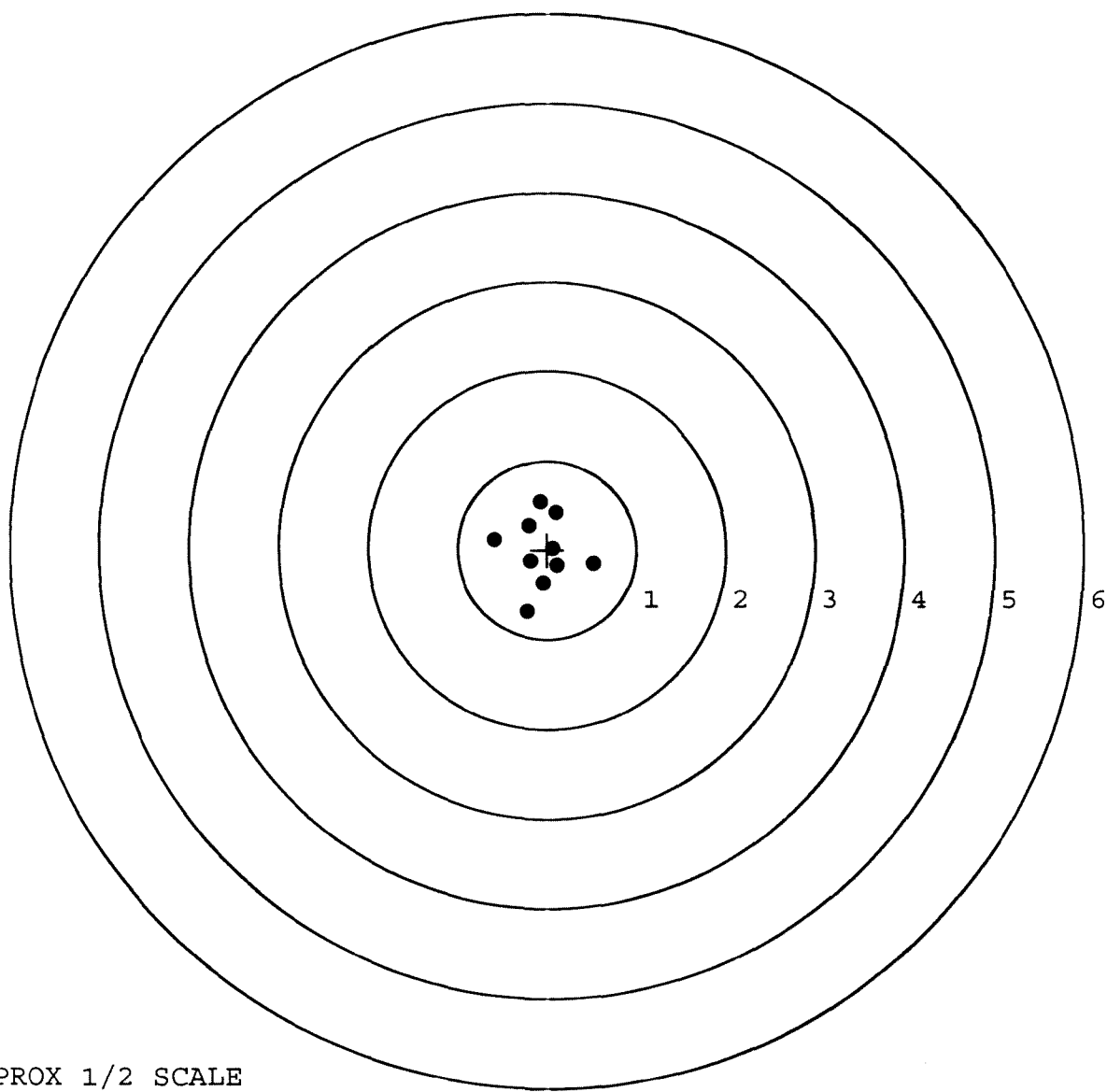


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523506. __0
TARGET NUMBER: 4
FILE DATE: 02/01/2008
FILE TIME: 09:21

X CENTROID: -0.054
Y CENTROID: -0.019
POA TO CENTROID: 0.058
HORZ SPREAD: 1.110
VERT SPREAD: 1.237
GROUP SPREAD: 1.245
MIN RADIUS: 0.122
MAX RADIUS: 0.700
MEAN RADIUS: 0.408
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.589	0.110
2:	-0.083	0.539
3:	0.100	0.419
4:	-0.206	0.267
5:	-0.223	-0.698
6:	0.521	-0.159
7:	-0.047	-0.378
8:	-0.190	-0.133
9:	0.062	0.019
10:	0.112	-0.177

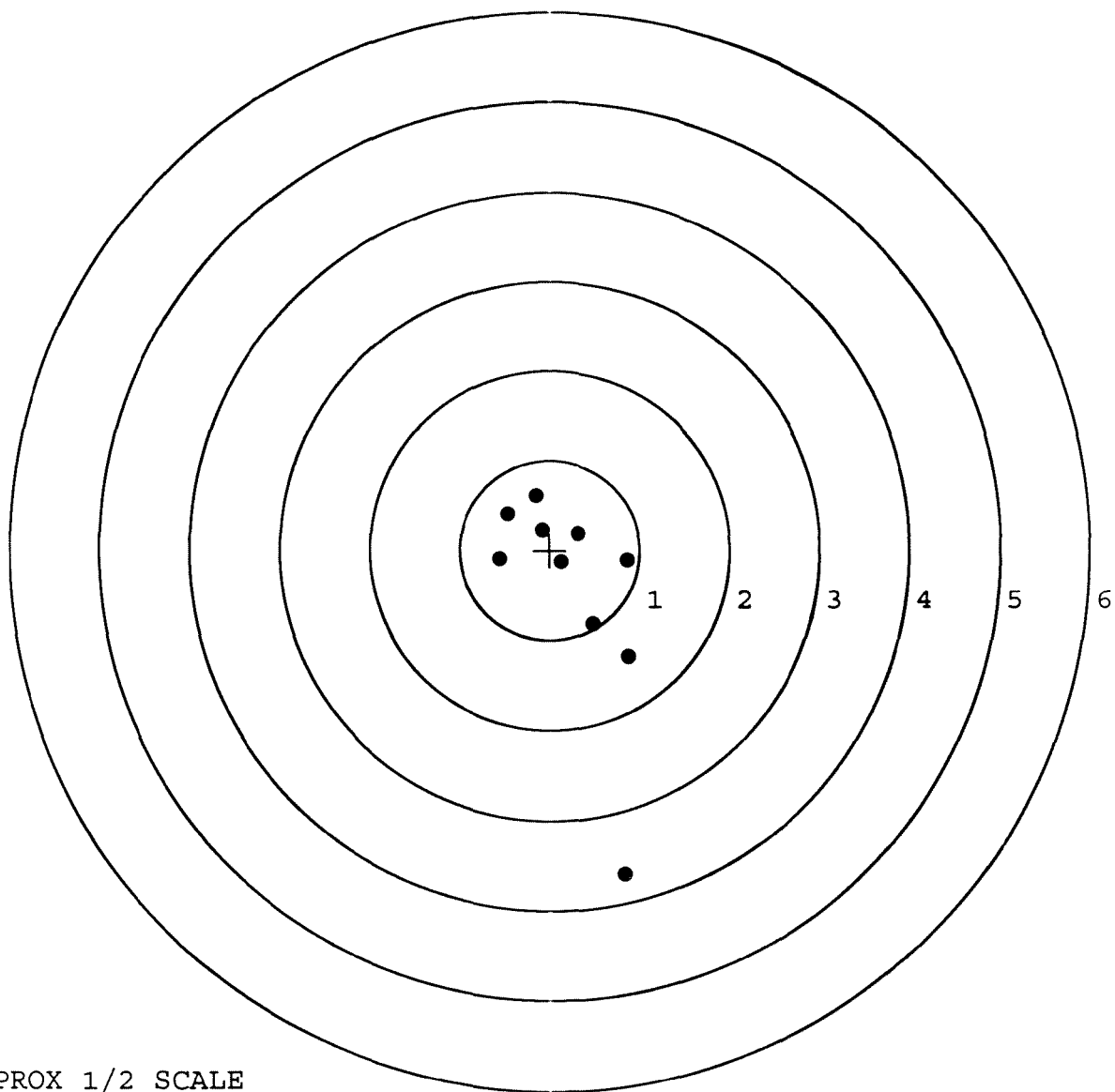


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523506. __0
 TARGET NUMBER: 5
 FILE DATE: 02/01/2008
 FILE TIME: 09:21

POINT#	X	Y
1:	-0.158	0.600
2:	-0.469	0.404
3:	-0.082	0.221
4:	-0.555	-0.098
5:	0.315	0.191
6:	0.129	-0.128
7:	0.866	-0.108
8:	0.486	-0.826
9:	0.878	-1.181
10:	0.839	-3.597

X CENTROID: 0.225
 Y CENTROID: -0.452
 POA TO CENTROID: 0.505
 HORZ SPREAD: 1.433
 VERT SPREAD: 4.197
 GROUP SPREAD: 4.314
 MIN RADIUS: 0.338
 MAX RADIUS: 3.204
 MEAN RADIUS: 1.017
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	<u>138954</u>			
SERIAL NUMBER	<u>C6523506</u>			
LOG-IN DATE	<u>1-2-08</u>			

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-21-08	RTZ
505	RE-BARREL	1-24-08	RTZ
560	ASSEMBLE	1-24-08	RTZ
600	PROOF	1-24-08	TRW
605	CHECK HEADSPACE	1-24-08	TRW
610	DIS-ASSEMBLE GUN	1-24-08	RTZ
612	MAGNAFLUX	1-25-08	JB
510	DRILL AND TAP	1-25-08	TRW
615	ROLLMARK CALIBER	1-25-08	CW
618	ROTO-BLAST	1-25-08	DB
620	APPLY COATINGS	1-29-08	CM
625	FINAL ASSEMBLY	1-30-08	L.P.D.
640	FUNCTION TEST AND	1-31-08	TRW
650	TARGET	1-31-08	TRW
	MALFUNCTION <i>30 click left</i>	CORRECTION OK	2-5-08 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	1-31-08	RP
	A) HEADSPACE	PASS FAIL	2-6-08 DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.31 2.27 2.25 2.21 2.19 2.58 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.0 3.5 4.0 2.58 DA
	G) SAFETY OFF FORCE	2 LBS MIN	3.0 3.5 3.0 2.58 DA
	I) FIRING PIN INDENT	.020	.023 .023 .022 2.58 DA
690	PACK		2-11-08 DA

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523506
DATE 10-18-95
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.72	2.63	2.62	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.63	2.62	2.47	
PULL #3	2.61	2.73	2.51	
PULL #4	2.56	2.72	2.61	
PULL #5	2.65	2.63	2.51	
TOTAL	13.17	13.33	12.72	
AVG.	2.63	2.66	2.54	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.13	3.02	
PULL #2	3.12	3.00	
PULL #3	3.04	2.80	
PULL #4	3.08	2.88	
PULL #5	3.14	3.05	
TOTAL	15.51	14.70 14.75	
AVG.	3.10	2.95	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.04	3.90	3.94	
PULL #2	4.12	3.86	3.97	
PULL #3	4.12	4.08	4.09	
PULL #4	4.12	4.06	4.04	
PULL #5	4.00	3.90	3.98	
TOTAL	20.40	19.80	20.02	
AVG.	4.08	3.96	4.00	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523506

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 3/4	6 3/4	6 3/4			11/30	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			11/30	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.0225	.0225	.0225			11/30	WB
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.50	2.43	2.41	2.43	2.60	11/30	WB
	C) Function							
660	Pack							

Remington [®]		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700TM H24		SERIAL NO. C6523506	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.			
 5716 C6523506			

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523506

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY ASSURANCE	10/1/90	KL
600	Proof		10/1/90	KL
607	Check Headspace		10/1/90	KL
610	Dis-assemble Gun		10/1/90	KL
612	Magnaflux Barrel Action		10/3/90	KR
	Magnaflux Bolt		10/3/90	KR
615	Rollmark Caliber		1/3/98	BS
617	Drill and Tap Sight Holes		10/4/90	FB
618	Polish Barrel <i>FB</i>		10/5/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/21/90	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	KL
	C) Inspect Ejector Hole for Chamfer		10/21/90	KL
	D) Oil Firing Pin Ass'y		10/21/90	KL
	E) Adjust Trigger Pull to Min Setting and Stake		11/3/90	KL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3.75	40	3.75			11-2-90	RT
	G) Safety Off Force	2.25	2.25	2.50			11-2-90	RT
	H) Trigger Pull Test & Retainability						11-3-90	RT
	I) Firing Pin Indent	0.27	0.28	0.26			11-2-90	RT
	J) Assemble Stock						11-3-90	RT
	K) Assemble Swivel Studs						11-20-90	RT
	L) Attach Front and Rear Sight Assemblies						11-3-90	RT
	M) Iron Sight Alignment						11-3-90	RT
	N) Detach Front & Rear Sights & place in numbered container						11-3-90	RT
	O) Attach Scope to Rifle						11-3-90	RT
	P) Detach & Attach Scope 20 Times						11-3-90	RT
640	Gallery Target & Test						11-5-90	RT
	A) Time						11-5-90	RT
	B) Malfunctions						11-5-90	RT
	C) Pierced Primers						11-5-90	RT
	D) Optical Clarity of Scope						11-5-90	RT
645	Inspect for Live Ammo						11-5-90	RT
655	Final Inspection							
	A) Headspace						11-20-90	RT
	B) Trigger Pull	2.38	2.48	2.47	2.41	2.44	11-20-90	RT
	C) Function						11-20-90	RT
660	Pack						12/14/90	RT

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523506
DATE 11-3-90
TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.46	2.44	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.19	2.46	2.33	2.48	
PULL #3	2.43	2.24	2.35	2.47	
PULL #4	2.40	2.20	2.38	2.41	
PULL #5	2.45	2.16	2.44	2.44	
TOTAL	11.95	11.52	11.94		
AVG.	2.39	2.304	2.388		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.46	3.34		
PULL #2	3.22	3.49		
PULL #3	3.48	3.27		
PULL #4	3.42	3.50		
PULL #5	3.48	3.20		
TOTAL	17.06	16.80		
AVG.	3.412	3.36		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.37		4.16
PULL #2	4.15	4.31		4.45
PULL #3	4.28	4.39		4.09
PULL #4	4.13	4.42		4.42
PULL #5	4.32	4.33		4.39
TOTAL	21.15	21.82		21.51
AVG.	4.23	4.364		4.302

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523506
5 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.173277
1 TO	2	.330151
1 TO	3	.297027
1 TO	4	.468855
1 TO	5	.281448

3# <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .066
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0336
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0740605

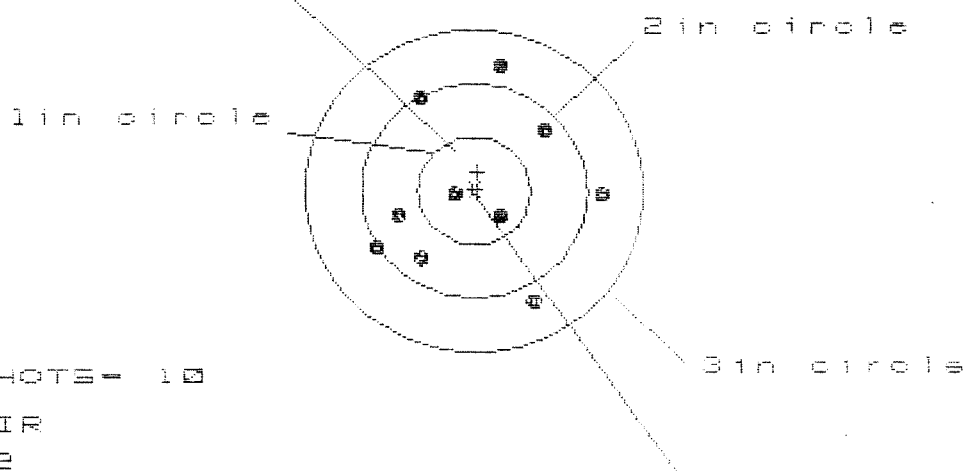
THE AMR FOR THIS RIFLE IS: .8246

5 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523506

CENTERFIRE PATTERNS # 1

POA



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 10

HS = 2.025

VS = 2.152

GS = 2.167

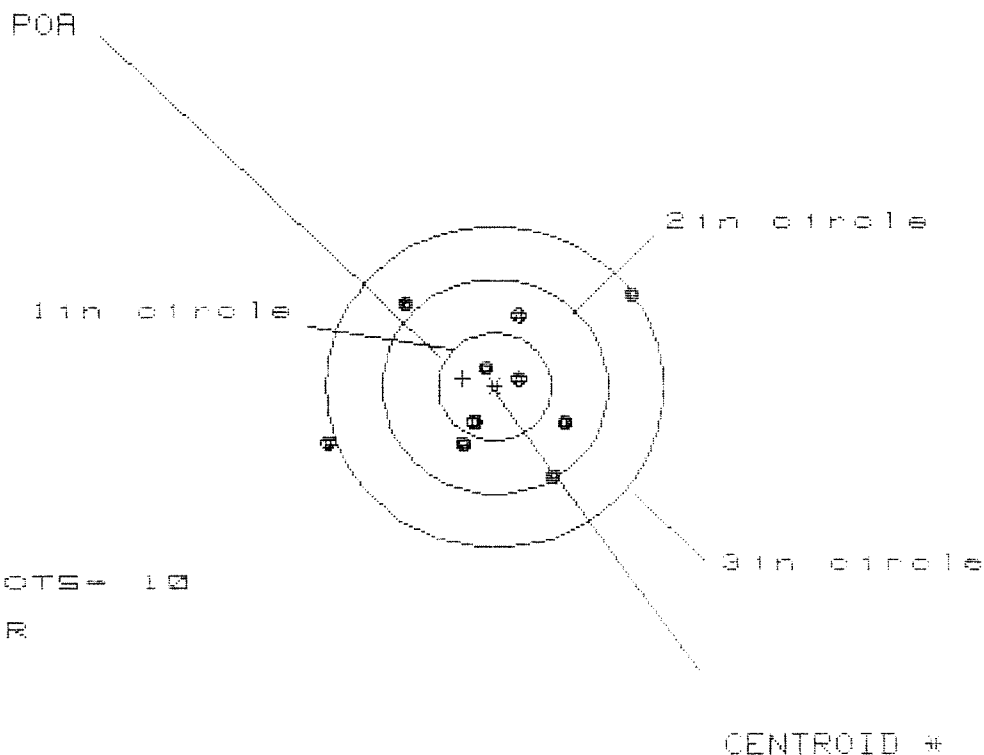
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.152	1.179	.768
MINIMUM X	:	-.873	-.846	-.698
MAXIMUM Y	:	1.159	1.047	1.062
MINIMUM Y	:	-.993	-.865	-.850
CENTROID X	:	-.028	-.055	-.203
CENTROID Y	:	-.171	-.299	-.314
POA TO CENTROID in.	:	.173	.305	.374
MIN RADIUS	:	.213	.204	.111
MEAN RADIUS	:	.840	.784	.711
MAX RADIUS	:	1.185	1.185	1.107
HORIZONTAL SPREAD	:	2.025	2.025	1.466
VERTICAL SPREAD	:	2.152	1.912	1.912
EXTREME SPREAD	:	2.167	2.154	2.154
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

5 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523506

CENTERFIRE PATTERNS # 2



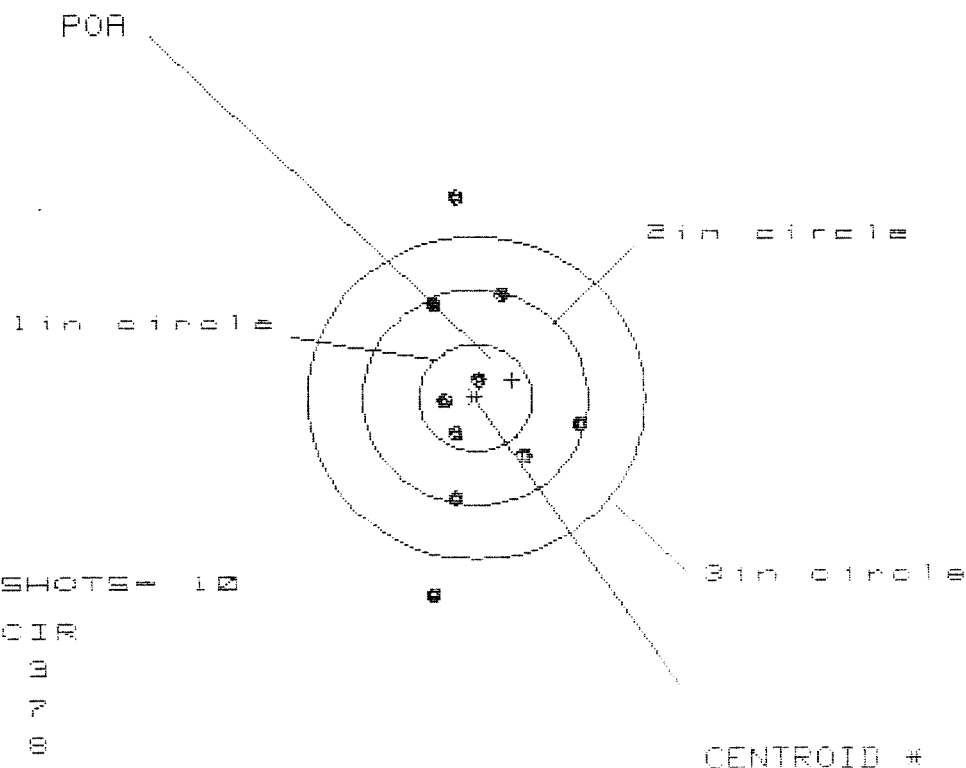
OF SHOTS- 10
 # IN CIR
 1in = 3
 2in = 6
 3in = 8
 HS= 2.667
 VS= 1.701
 GS= 2.987

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.223	1.063	.560
MINIMUM X	:	-1.444	-.905	-.772
MAXIMUM Y	:	.849	.794	.858
MINIMUM Y	:	-.852	-.907	-.807
CENTROID X	:	.286	.446	.313
CENTROID Y	:	-.069	-.014	-.114
POR TO CENTROID in.	:	.294	.446	.333
MIN RADIUS	:	.164	.065	.198
MEAN RADIUS	:	.783	.694	.600
MAX RADIUS	:	1.526	1.327	1.154
HORIZONTAL SPREAD	:	2.667	1.968	1.332
VERTICAL SPREAD	:	1.701	1.701	1.665
EXTREME SPREAD	:	2.987	2.100	2.100
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8523586

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 1.260

VS= 3.652

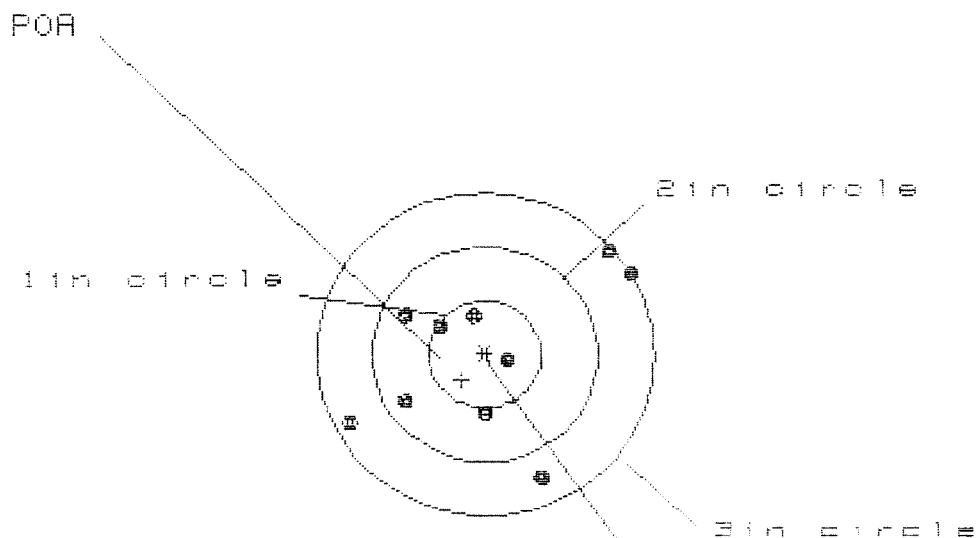
GS= 3.658

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.889	.872	.826
MINIMUM X	:	-.371	-.388	-.434
MAXIMUM Y	:	1.843	1.191	.990
MINIMUM Y	:	-1.809	-1.604	-.933
CENTROID X	:	-.325	-.308	-.262
CENTROID Y	:	-.167	-.372	-.172
POA TO CENTROID in.	:	.366	.483	.313
MIN RADIUS	:	.179	.168	.199
MEAN RADIUS	:	.894	.775	.660
MAX RADIUS	:	1.849	1.647	.999
HORIZONTAL SPREAD	:	1.260	1.260	1.260
VERTICAL SPREAD	:	3.652	2.795	1.923
EXTREME SPREAD	:	3.658	2.848	1.964
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

5 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523506

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 10

HS = 2.431

VS = 2.109

GS = 2.817

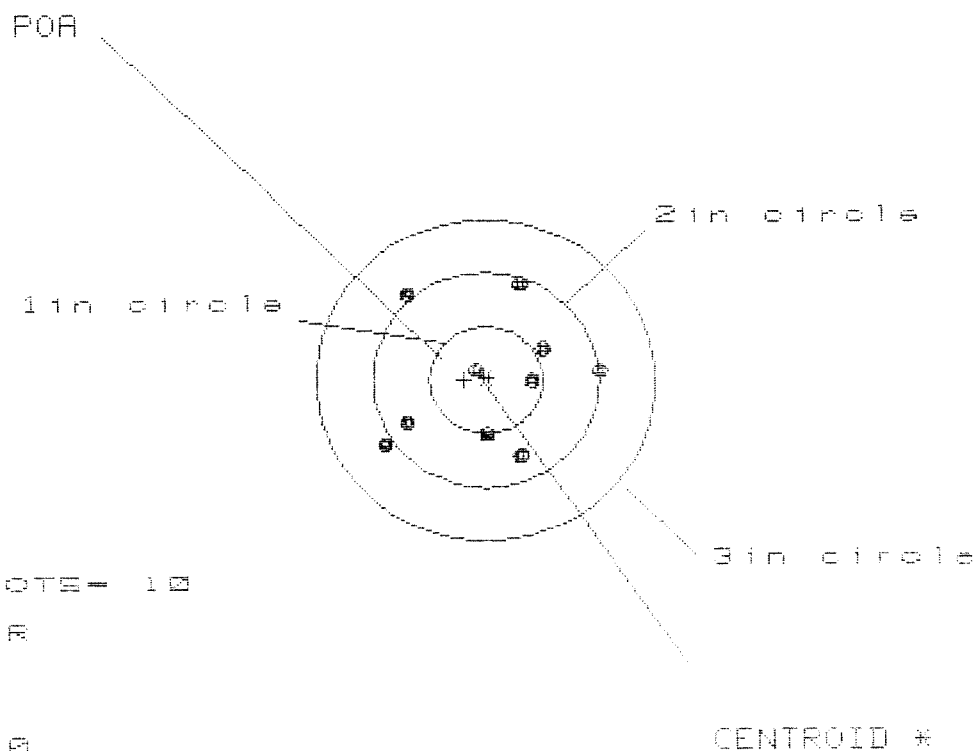
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.252	1.186	.803
MINIMUM X	:	-1.179	-1.040	-.892
MAXIMUM Y	:	.947	1.037	.583
MINIMUM Y	:	-1.162	-1.072	-.942
CENTROID X	:	.203	.064	-.084
CENTROID Y	:	.237	.147	.017
POA TO CENTROID in.	:	.312	.160	.086
MIN RADIUS	:	.253	.385	.392
MEAN RADIUS	:	.872	.788	.683
MAX RADIUS	:	1.492	1.575	1.238
HORIZONTAL SPREAD	:	2.431	2.226	1.695
VERTICAL SPREAD	:	2.109	2.109	1.525
EXTREME SPREAD	:	2.817	2.718	1.947
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

5 May 1998

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 3

2in = 8

3in = 10

HS = 1.931

VS = 1.645

GS = 2.064

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.988	.884	.785
MINIMUM X	-.943	-.789	-.887
MAXIMUM Y	.921	.849	.945
MINIMUM Y	-.724	-.796	-.701
CENTROID X	.194	.298	.397
CENTROID Y	.002	.074	-.021
FOR TO CENTROID in.	.194	.307	.397
MIN RADIUS	.132	.207	.226
MEAN RADIUS	.734	.678	.611
MAX RADIUS	1.141	1.097	.963
HORIZONTAL SPREAD	1.931	1.673	1.672
VERTICAL SPREAD	1.645	1.645	1.645
EXTREME SPREAD	2.064	1.832	1.741
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	