

C6594634

MODEL 700™ M24

Model S&S™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

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: **RE00105647** Serial: C6594634 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 03/18/1997 Repairman: Status: Closed 12/22/2005 9:39:19 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☒ Received From

Name: **JEFF ODELL** **JEFF ODELL**

Address 1: **BLDG M433A LEWIS AVE** **BLDG M433A LEWIS AVE**

Address 2: PO Box: PO Box:

City: **FORT DRUM** **FORT DRUM**

State: **NY** Zip Code: **13602** Country: **US** State: **NY** Zip Code: **13602** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone: **315 774 3734**

Fax:

Email:

Comments: **PEMFILE #004281**

Received Condition

Condition: **Fair**

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A042	Adjustable Butt Pad	1
A057	Fit and Rear Sgt Base	1

Repair Search **Refresh** **Close**

maglet 12/27/2005 1:03 PM CAPS NUM INS SCPL

start 2 Arms Services E

Serial Number: **C6594634**

Model: **M24 SWS**



RE00105647

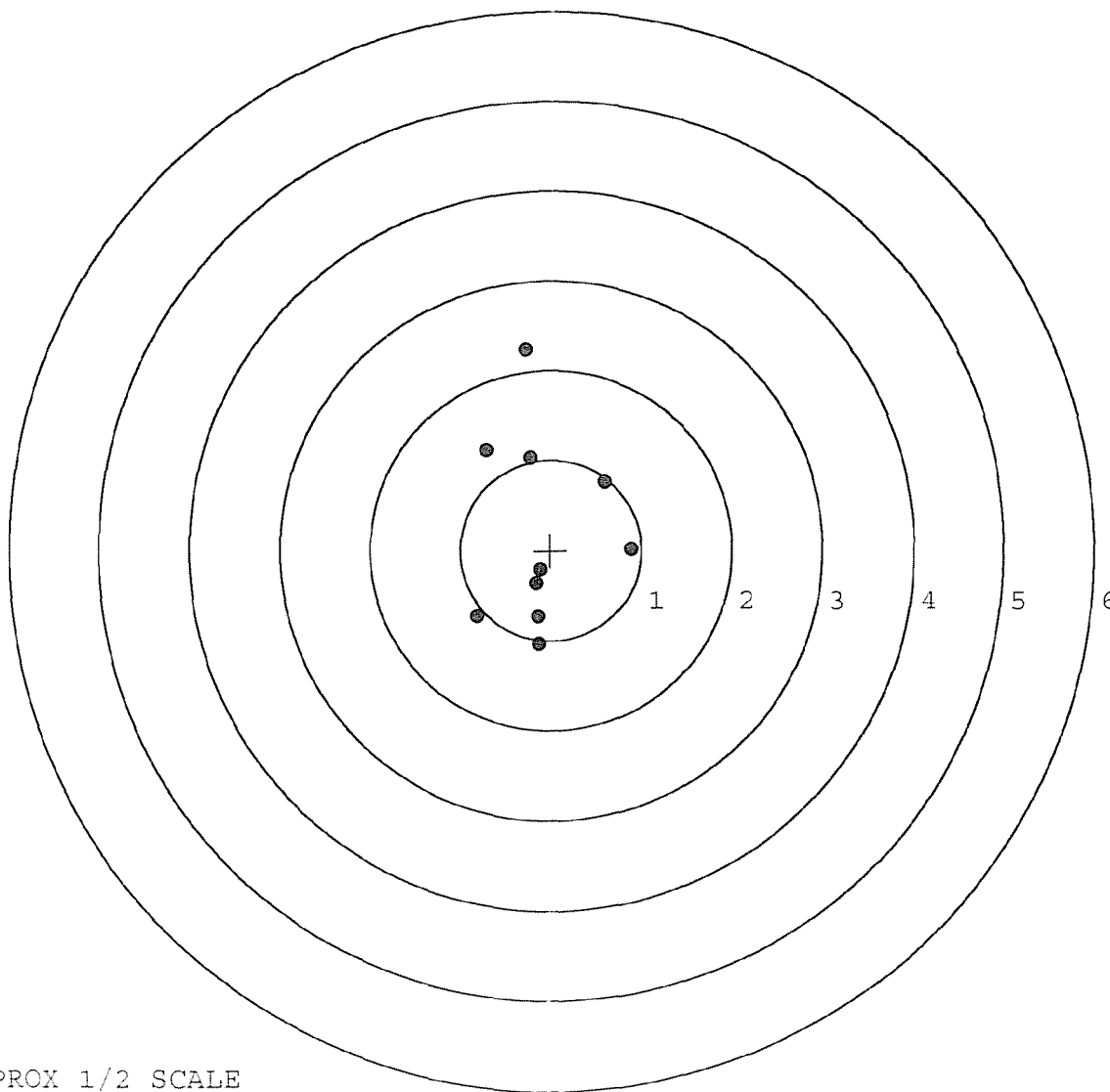
SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594634. __0
FILE DATE AND TIME: 01/26/2006 13:04

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.105
The Average Y Centroid of the Five Target Set:	0.016
The Average Point of Impact of the Five Target Set:	0.107
The Average Mean Radius of the Five Target Set:	0.935
The Distance from POA to Centroid Target #1:	0.231
The Distance from Centroid Target #2 to Centroid Target #1:	0.034
The Distance from Centroid Target #3 to Centroid Target #1:	0.087
The Distance from Centroid Target #4 to Centroid Target #1:	0.446
The Distance from Centroid Target #5 to Centroid Target #1:	0.431

SERIAL NUMBER: C6594634. __0	POINT#	X	Y
TARGET NUMBER: 1	1:	-0.128	-1.042
FILE DATE: 01/26/2006	2:	-0.812	-0.737
FILE TIME: 13:04	3:	-0.134	-0.739
	4:	-0.160	-0.367
X CENTROID: -0.110	5:	-0.116	-0.219
Y CENTROID: 0.203	6:	0.890	0.021
POA TO CENTROID: 0.231	7:	0.595	0.757
HORZ SPREAD: 1.702	8:	-0.228	1.024
VERT SPREAD: 3.273	9:	-0.719	1.106
GROUP SPREAD: 3.277	10:	-0.286	2.231
MIN RADIUS: 0.423			
MAX RADIUS: 2.035			
MEAN RADIUS: 1.022			
# IN 1 IN DIAMETER: 1			
# IN 2 IN DIAMETER: 5			
# in 3 IN DIAMETER: 9			

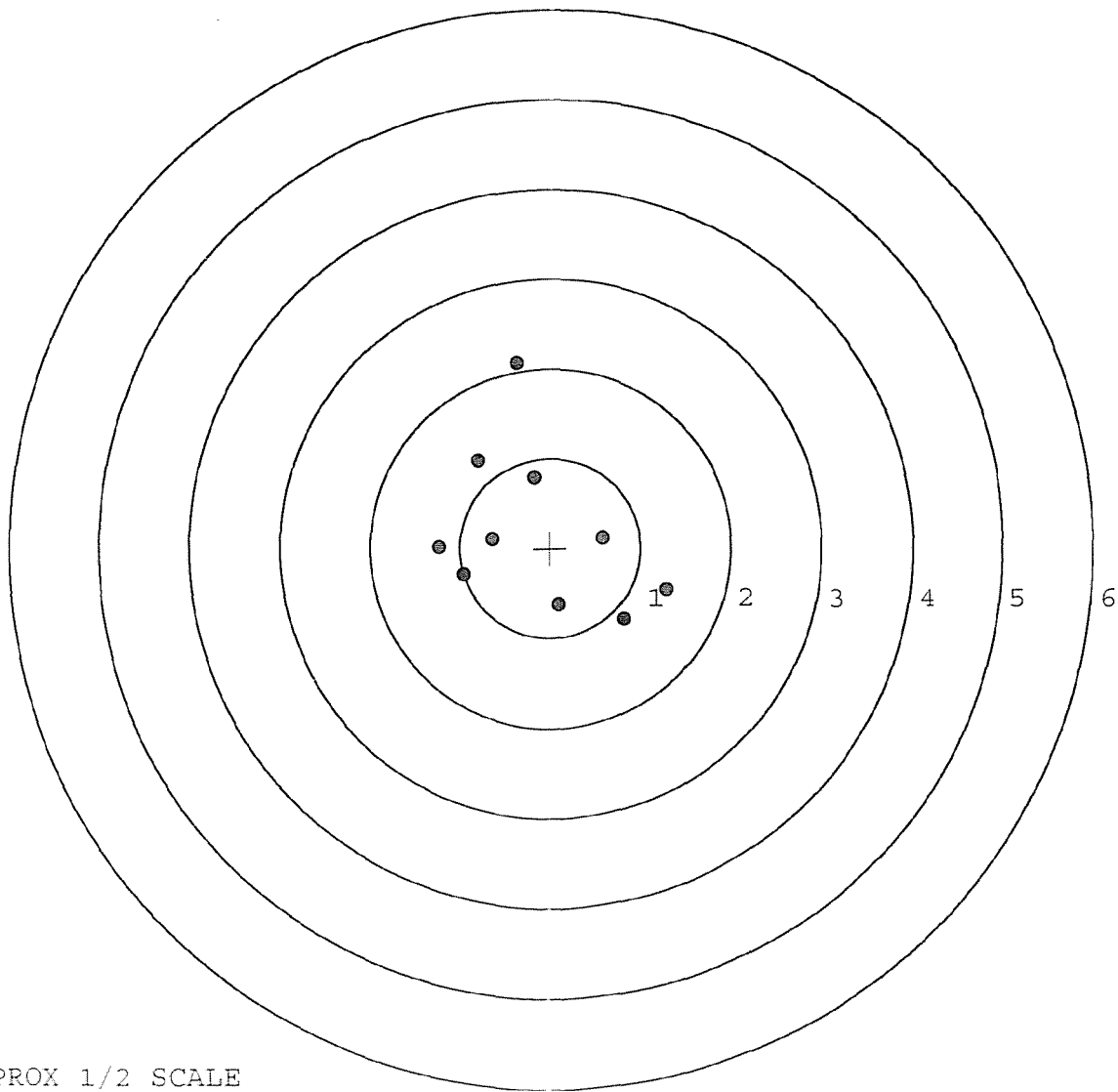


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594634. __0
TARGET NUMBER: 2
FILE DATE: 01/26/2006
FILE TIME: 13:04

POINT#	X	Y
1:	0.826	-0.797
2:	1.285	-0.463
3:	0.101	-0.632
4:	0.580	0.108
5:	-0.176	0.787
6:	-0.636	0.100
7:	-0.958	-0.300
8:	-1.229	0.011
9:	-0.805	0.969
10:	-0.374	2.066

X CENTROID: -0.139
Y CENTROID: 0.185
POA TO CENTROID: 0.231
HORZ SPREAD: 2.514
VERT SPREAD: 2.863
GROUP SPREAD: 3.104
MIN RADIUS: 0.505
MAX RADIUS: 1.896
MEAN RADIUS: 1.060
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

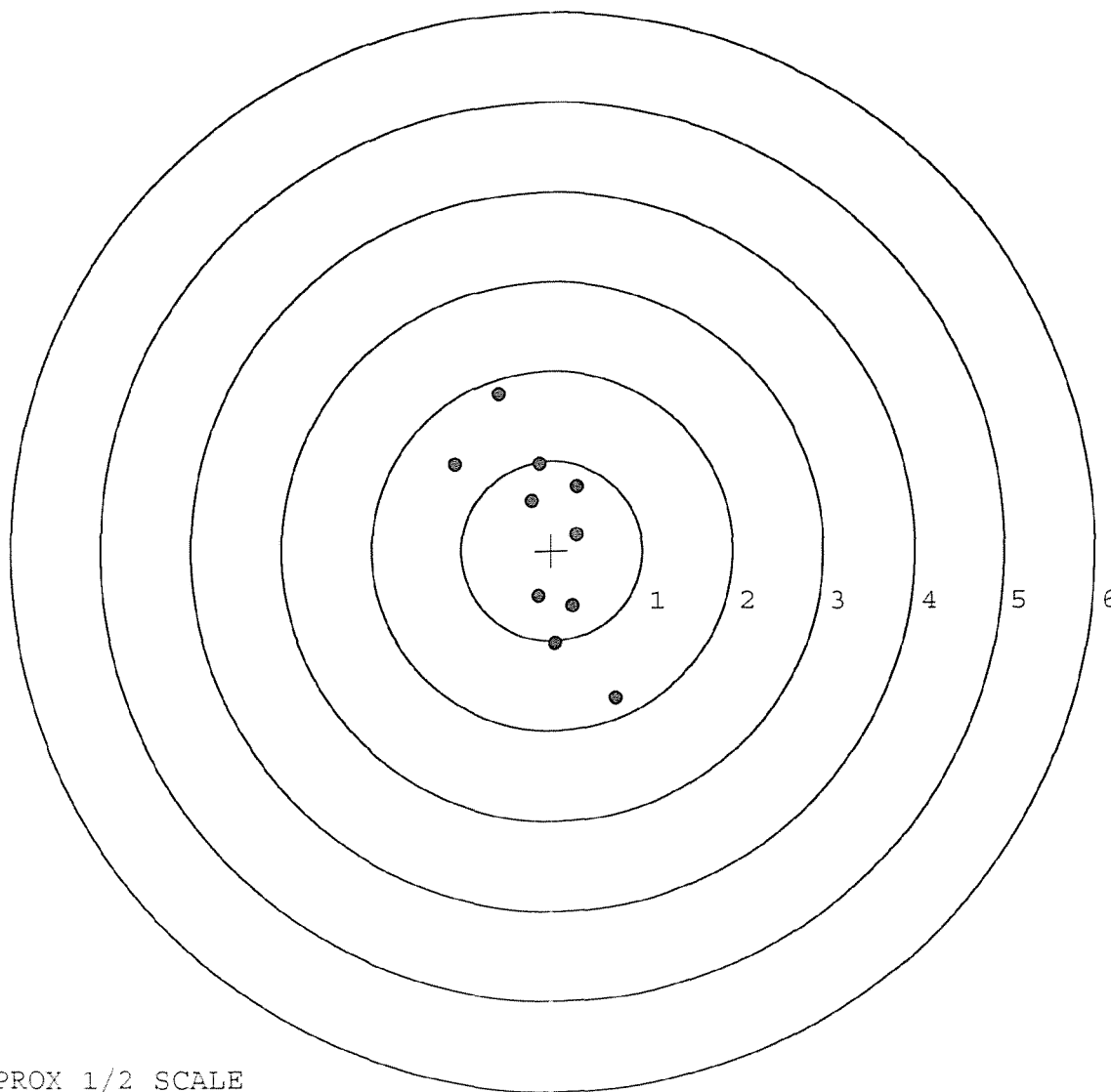


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594634. __0
TARGET NUMBER: 3
FILE DATE: 01/26/2006
FILE TIME: 13:04

POINT#	X	Y
1:	0.711	-1.646
2:	0.040	-1.034
3:	0.238	-0.620
4:	-0.147	-0.509
5:	0.275	0.179
6:	0.283	0.712
7:	-0.222	0.556
8:	-0.135	0.969
9:	-1.069	0.956
10:	-0.590	1.744

X CENTROID: -0.062
Y CENTROID: 0.131
POA TO CENTROID: 0.144
HORZ SPREAD: 1.780
VERT SPREAD: 3.390
GROUP SPREAD: 3.631
MIN RADIUS: 0.340
MAX RADIUS: 1.937
MEAN RADIUS: 0.987
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

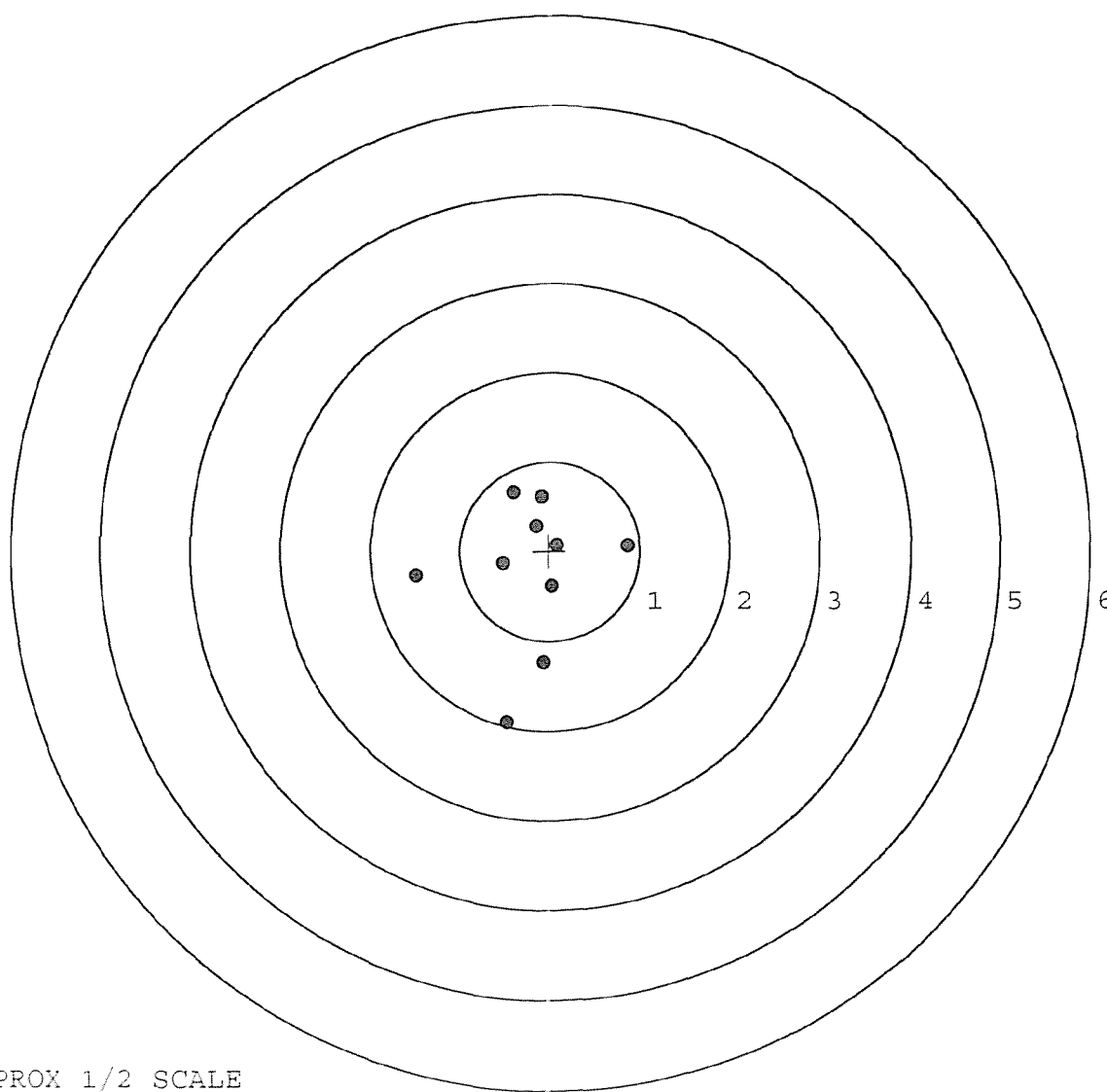


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594634. __0
TARGET NUMBER: 4
FILE DATE: 01/26/2006
FILE TIME: 13:04

POINT#	X	Y
1:	-0.475	-1.905
2:	-0.062	-1.242
3:	-1.493	-0.282
4:	-0.517	-0.137
5:	0.032	-0.394
6:	0.867	0.066
7:	0.087	0.063
8:	-0.148	0.276
9:	-0.093	0.613
10:	-0.401	0.660

X CENTROID: -0.220
Y CENTROID: -0.228
POA TO CENTROID: 0.317
HORZ SPREAD: 2.360
VERT SPREAD: 2.565
GROUP SPREAD: 2.566
MIN RADIUS: 0.302
MAX RADIUS: 1.696
MEAN RADIUS: 0.842
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

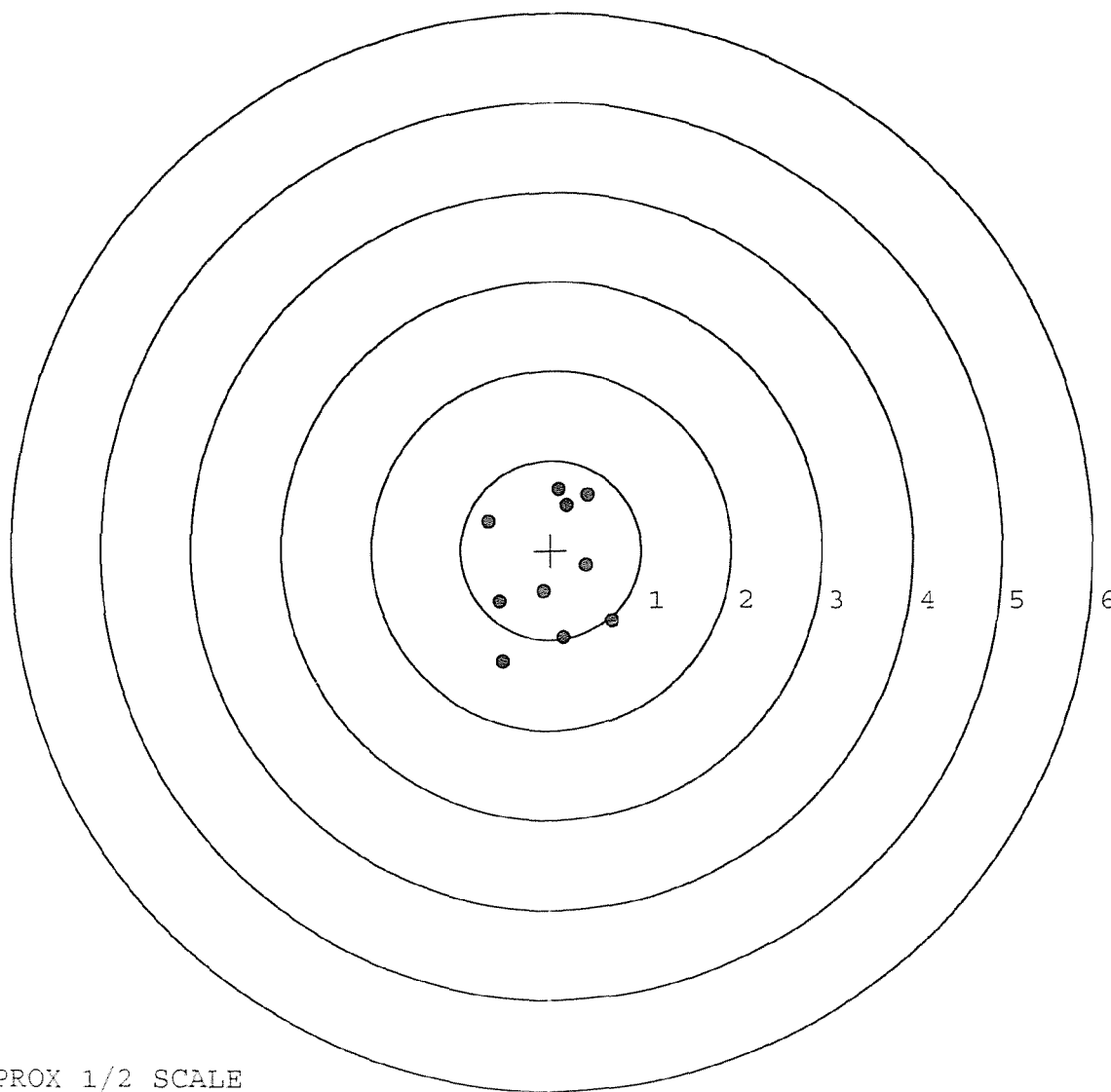


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594634. __0
TARGET NUMBER: 5
FILE DATE: 01/26/2006
FILE TIME: 13:04

POINT#	X	Y
1:	0.684	-0.796
2:	0.151	-0.985
3:	-0.532	-1.250
4:	0.397	-0.179
5:	-0.082	-0.466
6:	-0.571	-0.574
7:	-0.694	0.322
8:	0.093	0.685
9:	0.177	0.501
10:	0.412	0.616

X CENTROID: 0.004
Y CENTROID: -0.213
POA TO CENTROID: 0.213
HORZ SPREAD: 1.378
VERT SPREAD: 1.935
GROUP SPREAD: 2.091
MIN RADIUS: 0.267
MAX RADIUS: 1.167
MEAN RADIUS: 0.763
IN 1 IN DIAMETER: 2
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	105647			
SERIAL NUMBER	C6394034			
LOG-IN DATE	12-22-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		12-28-05	RTZ
505	RE-BARREL		1-4-06	RTZ
560	ASSEMBLE		1-4-06	RTZ
600	PROOF	NO A-FLUX INSPECTED	1-4-06	AC
605	CHECK HEADSPACE		1-4-06	AC
610	DIS-ASSEMBLE GUN		1-4-06	AC
612	MAGNAFLUX	NO FLUX	1-6-06	unsub
510	DRILL AND TAP		1-5-06	TRW
615	ROLLMARK CALIBER		1-6-06	CW
618	ROTO-BLAST		1-6-06	LB
620	APPLY COATINGS		1-23	HO
625	FINAL ASSEMBLY		1-26-06	RTZ
640	FUNCTION TEST AND	PASS FAIL	1-26-06	TRW
650	TARGET	PASS FAIL		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	1-26-06	TRW
670	FINAL INSPECTION		1-26-06	RTZ
	A) HEADSPACE	PASS FAIL	1-26-06	RTZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	240 238 240 244 248	RTZ
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6° 6° 6°	RTZ
	G) SAFETY OFF FORCE	2 LBS MIN	2° 2° 2°	RTZ
	I) FIRING PIN INDENT	.020		
690	PACK		1-26-06	RTZ

SWS TRIGGER PULL TEST

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

SERIAL NO. C6594634
DATE 8/8/96
TESTER RW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.39	2.31	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.37	2.22	
PULL #3	2.47	2.35	2.58	
PULL #4	2.58	2.37	2.64	
PULL #5	2.45	2.40	2.67	
TOTAL	12.32	11.80	12.63	
AVG.	2.46	2.36	2.53	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.13		
PULL #2	3.36	3.26		
PULL #3	3.40	3.24		
PULL #4	3.38	3.25		
PULL #5	3.44	3.32		
TOTAL	16.79	16.20		
AVG.	3.36	3.24		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.29		4.40
PULL #2	4.27	4.22		4.27
PULL #3	4.33	4.36		4.27
PULL #4	4.33	4.30		4.28
PULL #5	4.14	4.34		4.28
TOTAL	21.18	21.51		21.50
AVG.	4.24	4.30		4.30

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594634

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	7	7	6			8/26/96	RW
	G) Safety Off Force	3	3	3			8/26/96	RW
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.024	.023	.0235			8/26/96	RW
	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	2.65	2.40	2.64	2.60	2.55	8/24/96	RW
	C) Function							
660	Pack							

ORDER
R 94-18368

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
06/11/94	06/11/94		C6594634		700 7.62 NATO
ACCESSORIES	SLING STRAP	HARD CASE	SCOPE MNTS	SCOPE BASE	

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL

AL
36201-5025

CUST NO: 098397 C.G.D L

WRITE

VIA

FERT

TOTAL	100	100	100
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CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

COMMENTS

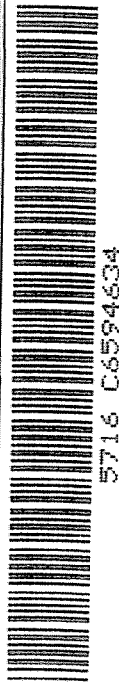
PATTERN

DATE _____

R06925 REV. 1/84

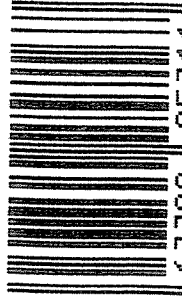
M2400020799

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.	
MODEL 700TM H24		SERIAL NO. C6594634	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.			



5716 C6594634

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594634

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	1228 90	RW
600	Proof		1228 90	RW
607	Check Headspace		90	RW
610	Dis-assemble Gun		90	RW
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes		1 10 91	FB
618	Polish Barrel		1 10 91	WB
620	Apply Coatings (Barrel Action)		1-26-91	JS
	Apply Coating (Bolt)		1-26-91	JS
625	Final Assembly A) Clean inside of Bolt Assembly		1/28/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/28/91	RW
	C) Inspect Ejector Hole for Chamfer		1/28/91	RW
	D) Oil Firing Pin Ass'y		1/28/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-30-91	RU

op. #	OP. NAME	READINGS				DATE	INIT
625 cont.	F) Safety On Force	4	4 1/4	4 1/4		2/4/91	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2		2/4/91	WB
	H) Trigger Pull Test & Retainability					1/30/91	JH
	I) Firing Pin Indent	.020	.020	.020		2/4/91	WB
	J) Assemble Stock					2/5/91	RW
	K) Assemble Swivel Studs					2-25-91	- AC
	L) Attach Front and Rear Sight Assemblies					2/5/91	RW
	M) Iron Sight Alignment					2/5/91	RW
	N) Detach Front & Rear Sights & place in numbered container					2/5/91	RW
	O) Attach Scope to Rifle					2/5/91	RW
	P) Detach & Attach Scope 20 Times					2/5/91	RW
640	Gallery Target & Test					2-5-91	NF
	A) Time					"	NF
	B) Malfunctions					"	NF
	C) Pierced Primers					"	NF
	D) Optical Clarity of Scope					"	NF
645	Inspect for Live Ammo					2-5-91	NF
655	Final Inspection						
	A) Headspace					2-26-91	AC
	B) Trigger Pull	2.28	2.16	2.14	2.11	2.27	2/22/91 JH
	C) Function	2.24	2.23	2.23	2.26		2-26-91 AC
660	Pack					3-18-91	NF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6594634
DATE 1-30-91
TESTER JAL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.32	2.19	2.24	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.26	2.18	2.23	
PULL #3	2.31	2.34	2.22	2.23	
PULL #4	2.65	2.29	2.25	2.26	
PULL #5	2.34	2.27	2.28	2.27	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.23		
PULL #2	3.25	3.39		
PULL #3	3.20	3.53		
PULL #4	3.21	3.49		
PULL #5	3.25	3.33		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.53	4.28		4.29
PULL #2	4.15	4.45		4.12
PULL #3	4.20	4.51		4.26
PULL #4	4.26	4.43		4.21
PULL #5	4.41	4.26		4.42
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06594634
6 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.0926499
1 TO	2	.155332
1 TO	3	.371442
1 TO	4	.134937
1 TO	5	.0591354

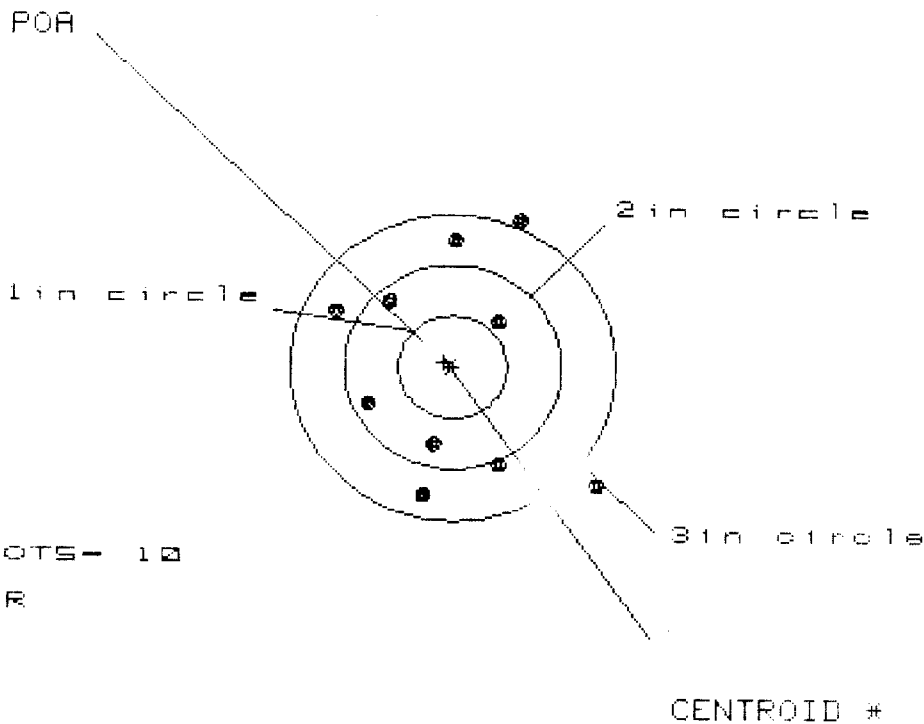
3. <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .005
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0606
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0608059
THE AMR FOR THIS RIFLE IS: .97

6 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594634

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in - 0

2 in - 4

3 in - 8

HS- 2.327

VS- 2.760

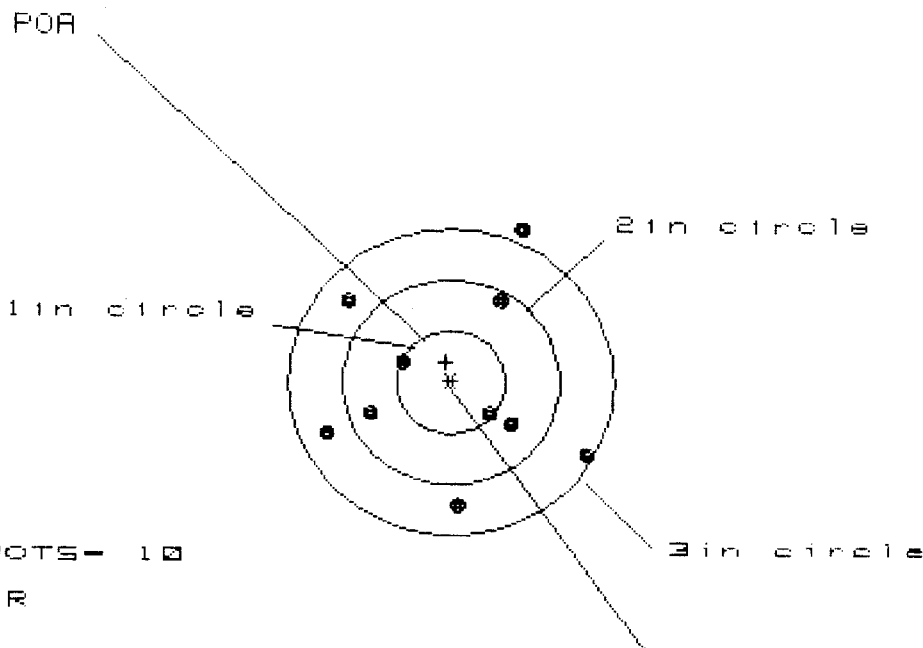
GS- 2.914

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.288	.785	.696
MINIMUM X	:	-1.039	-.895	-.797
MAXIMUM Y	:	1.495	1.365	1.334
MINIMUM Y	:	-1.265	-1.395	-1.224
CENTROID X	:	.078	-.066	-.164
CENTROID Y	:	-.050	.080	-.091
POA TO CENTROID in.	:	.092	.103	.187
MIN RADIUS	:	.598	.625	.600
MEAN RADIUS	:	1.118	1.031	.945
MAX RADIUS	:	1.736	1.575	1.355
HORIZONTAL SPREAD	:	2.327	1.680	1.493
VERTICAL SPREAD	:	2.760	2.760	2.558
EXTREME SPREAD	:	2.914	2.914	2.574
NUMBER IN ONE INCH CIRCLE =			0	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			8	

6 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594634

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.443

VS= 2.711

GS= 2.763

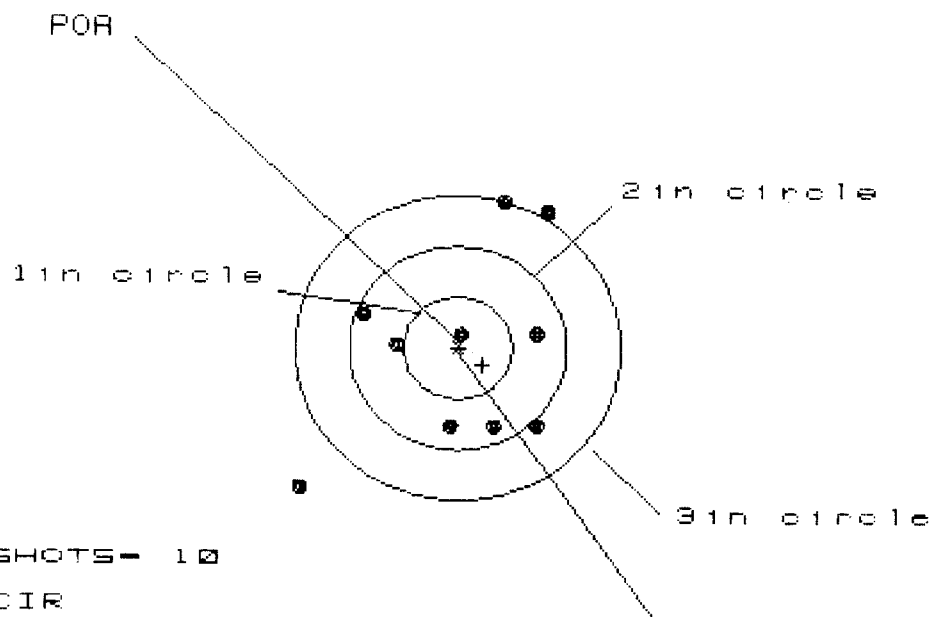
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.278	1.346	.770
MINIMUM X	:	-1.165	-1.097	-.929
MAXIMUM Y	:	1.493	.990	.923
MINIMUM Y	:	-1.218	-1.053	-1.120
CENTROID X	:	.046	-.022	-.190
CENTROID Y	:	-.202	-.367	-.300
POA TO CENTROID in.	:	.207	.368	.356
MIN RADIUS	:	.409	.391	.384
MEAN RADIUS	:	1.014	.931	.854
MAX RADIUS	:	1.613	1.449	1.179
HORIZONTAL SPREAD	:	2.443	2.443	1.699
VERTICAL SPREAD	:	2.711	2.043	2.043
EXTREME SPREAD	:	2.763	2.704	2.267
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

6 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594634

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 7

HS= 2.297

VS= 2.775

GS= 3.527

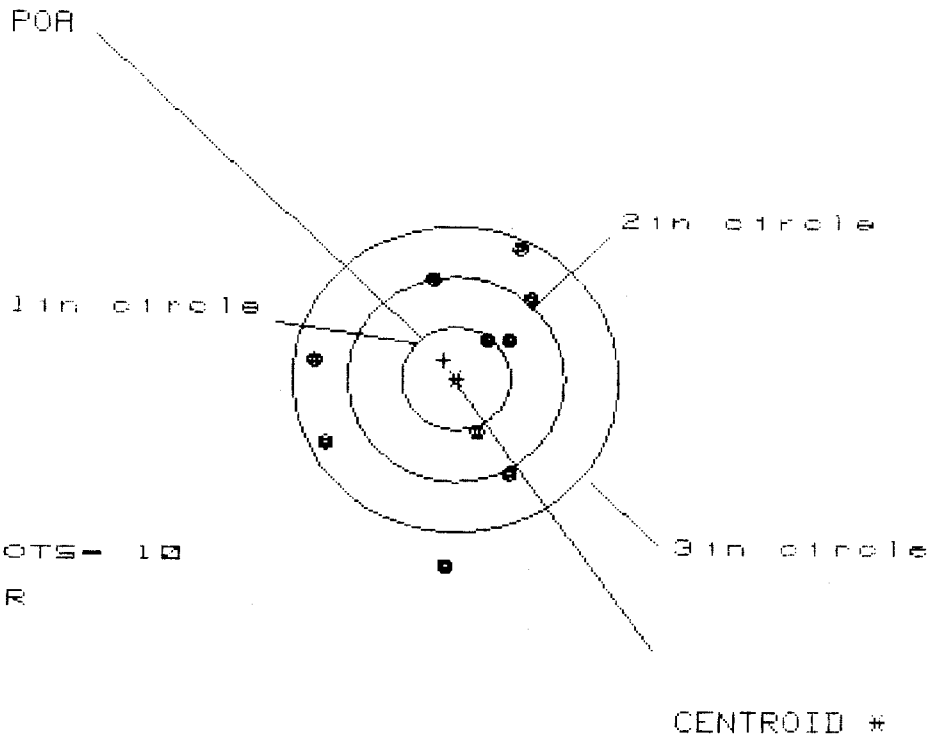
CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.807	.642	.640
MINIMUM X	-1.490	-1.037	-.957
MAXIMUM Y	1.444	1.296	1.445
MINIMUM Y	-1.331	-.919	-.770
CENTROID X	-.227	-.062	-.142
CENTROID Y	.162	.310	.161
POR TO CENTROID in.	.279	.316	.214
MIN RADIUS	.169	.163	.189
MEAN RADIUS	1.002	.890	.807
MAX RADIUS	1.998	1.359	1.491
HORIZONTAL SPREAD	2.297	1.679	1.597
VERTICAL SPREAD	2.775	2.215	2.215
EXTREME SPREAD	3.527	2.287	2.273
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in - 0

2in - 4

3in - 9

HS- 2.022

VS- 3.102

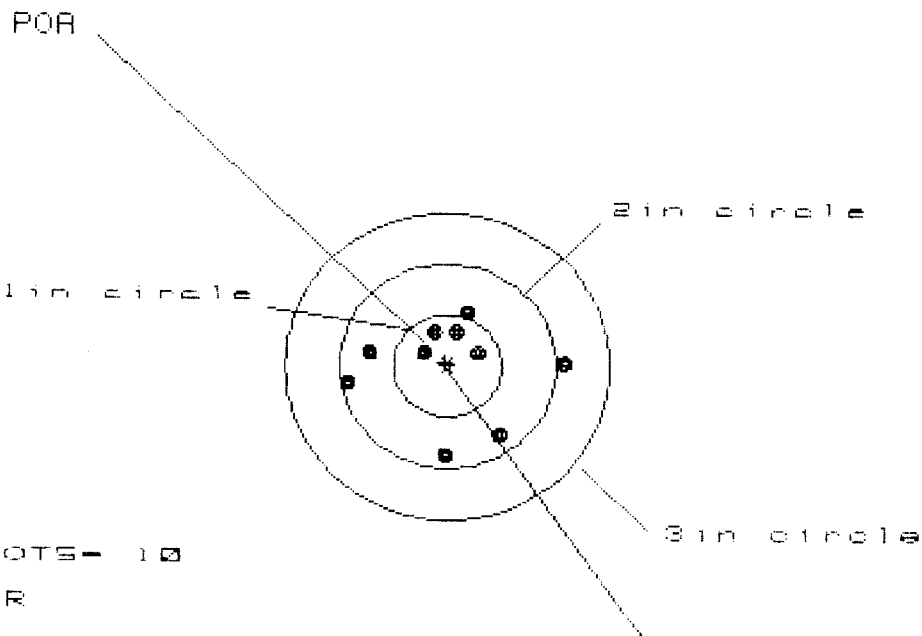
GS- 3.172

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.701	.692	.538
MINIMUM X	:	-1.321	-1.330	-1.484
MAXIMUM Y	:	1.235	1.028	.924
MINIMUM Y	:	-1.867	-1.149	-1.253
CENTROID X	:	.106	.115	.269
CENTROID Y	:	-.182	.025	.128
POA TO CENTROID in.	:	.211	.118	.298
MIN RADIUS	:	.536	.392	.206
MEAN RADIUS	:	1.078	.956	.833
MAX RADIUS	:	1.868	1.485	1.486
HORIZONTAL SPREAD	:	2.022	2.022	2.022
VERTICAL SPREAD	:	3.102	2.177	2.177
EXTREME SPREAD	:	3.172	2.592	2.181
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.991

VS= 1.437

GS= 2.005

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.060	.601	.500
MINIMUM X	:	-.930	-.813	-.754
MAXIMUM Y	:	.566	.571	.549
MINIMUM Y	:	-.871	-.866	-.888
CENTROID X	:	.022	-.096	.005
CENTROID Y	:	-.031	-.036	-.014
POA TO CENTROID in.	:	.038	.103	.015
MIN RADIUS	:	.294	.212	.271
MEAN RADIUS	:	.638	.584	.540
MAX RADIUS	:	1.062	.890	.889
HORIZONTAL SPREAD	:	1.991	1.414	1.254
VERTICAL SPREAD	:	1.437	1.437	1.437
EXTREME SPREAD	:	2.005	1.492	1.465
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	