

C6523381

MODEL 700TM M24

Model **SMS**TM

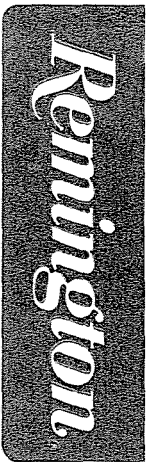
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00092934

Serial: C6523381 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/13/1990

Repairman:

Status:

Closed 2/10/2005 1:14:05 PM

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

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

maglev

2/14/2005

9:17 AM

CAPS

NUM

MIS

SCPL

start

5

2

4

Arms Services

Serial Number: C6523381

Model: M24 SWS



RE00092934

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523381.___0
FILE DATE AND TIME: 06/08/2005 08:28

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.047
The Average Y Centroid of the Five Target Set:	-0.028
The Average Point of Impact of the Five Target Set:	0.055
The Average Mean Radius of the Five Target Set:	0.854
The Distance from POA to Centroid Target #1:	0.290
The Distance from Centroid Target #2 to Centroid Target #1:	0.222
The Distance from Centroid Target #3 to Centroid Target #1:	0.316
The Distance from Centroid Target #4 to Centroid Target #1:	0.379
The Distance from Centroid Target #5 to Centroid Target #1:	0.445

SERIAL NUMBER: C6523381. __0

TARGET NUMBER: 1

FILE DATE: 06/08/2005

FILE TIME: 08:28

X CENTROID: -0.269

Y CENTROID: -0.106

POA TO CENTROID: 0.290

HORZ SPREAD: 2.072

VERT SPREAD: 2.316

GROUP SPREAD: 3.108

MIN RADIUS: 0.374

MAX RADIUS: 1.754

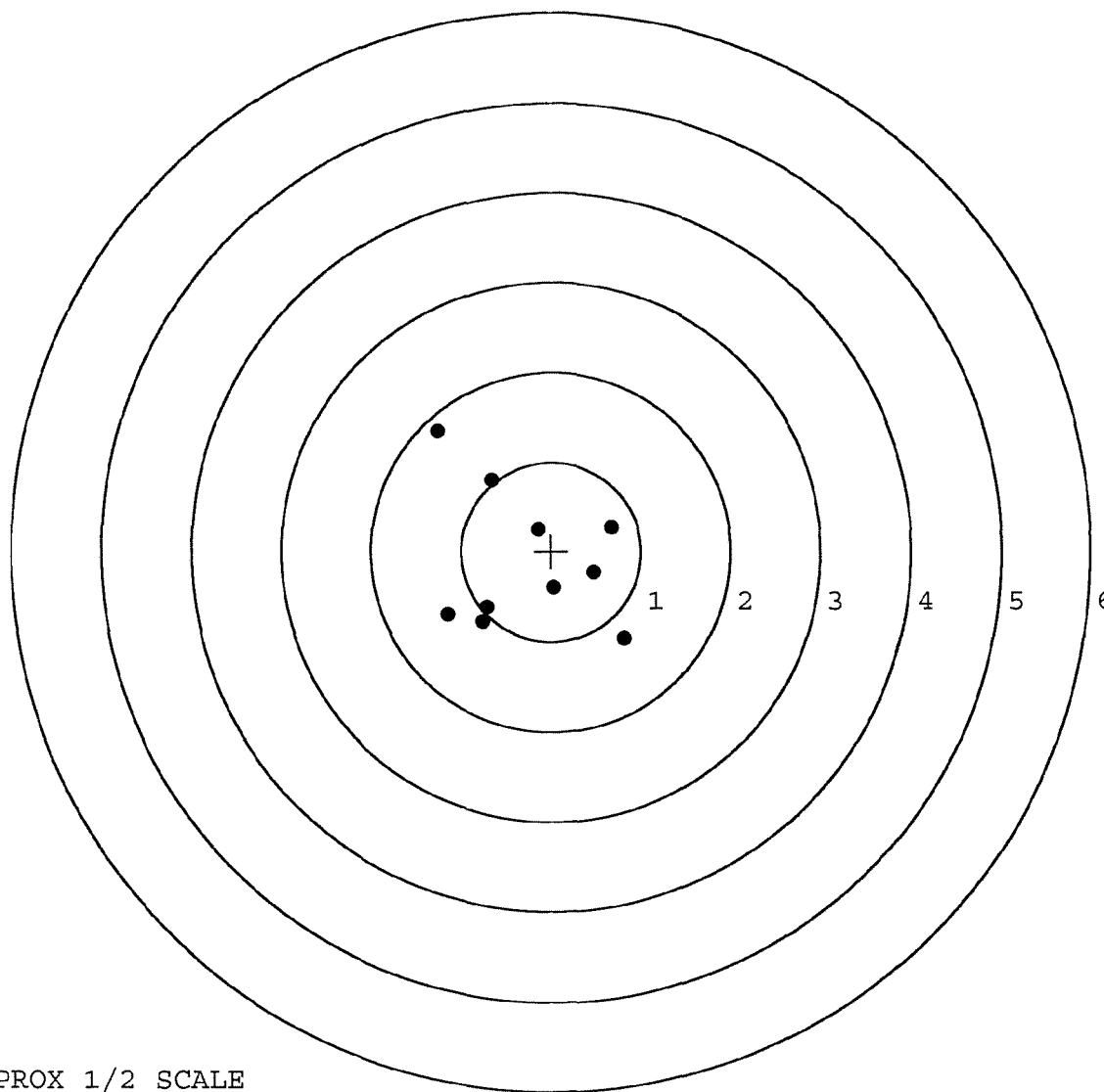
MEAN RADIUS: 0.929

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.818	-0.971
2:	0.477	-0.235
3:	0.673	0.271
4:	0.029	-0.407
5:	-0.143	0.246
6:	-0.716	-0.622
7:	-0.765	-0.784
8:	-1.150	-0.708
9:	-0.662	0.800
10:	-1.254	1.345



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523381. __0

TARGET NUMBER: 2

FILE DATE: 06/08/2005

FILE TIME: 08:28

X CENTROID: -0.214

Y CENTROID: 0.108

POA TO CENTROID: 0.240

HORZ SPREAD: 2.420

VERT SPREAD: 2.127

GROUP SPREAD: 2.787

MIN RADIUS: 0.164

MAX RADIUS: 1.721

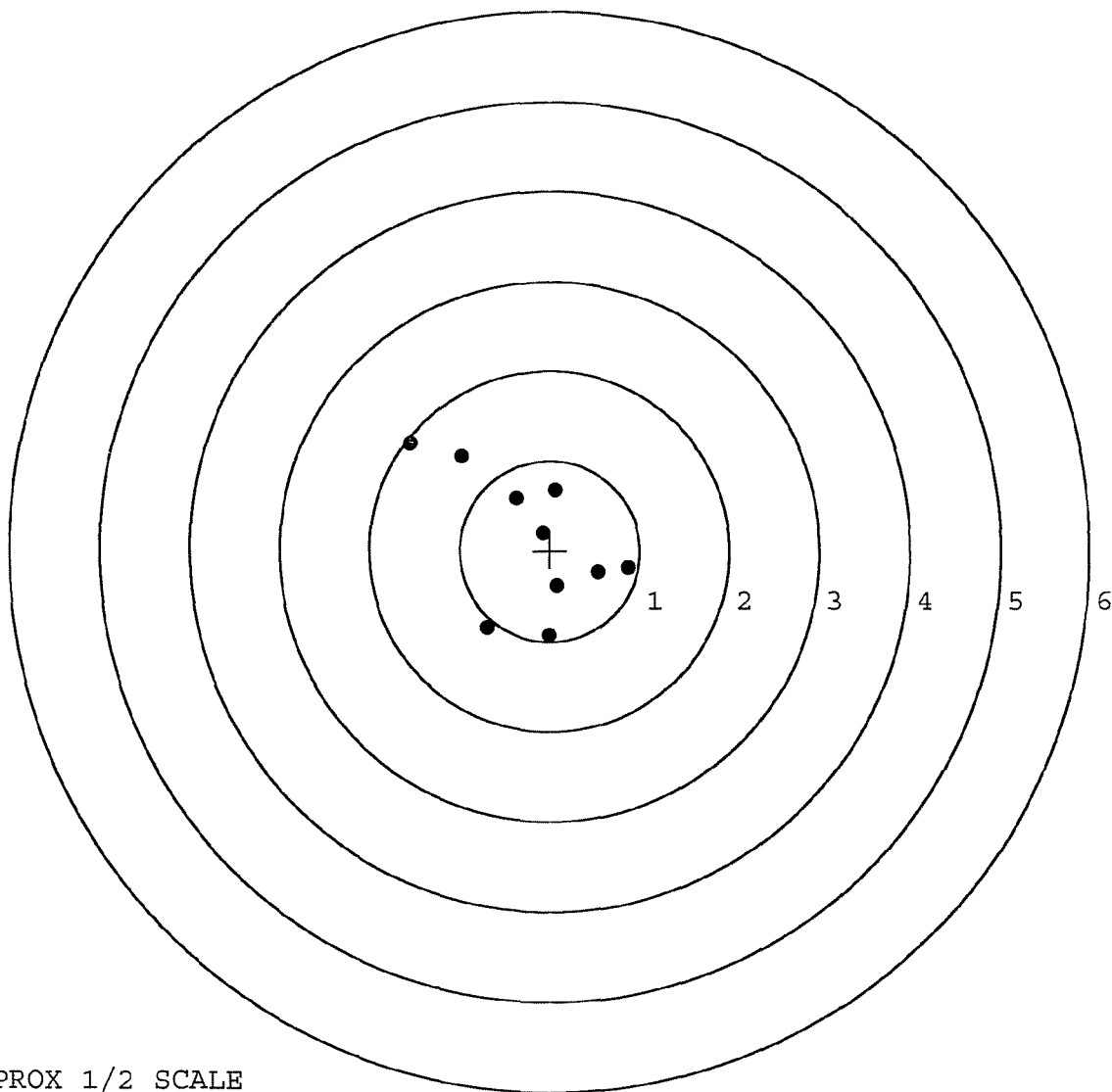
MEAN RADIUS: 0.888

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.694	-0.848
2:	-0.008	-0.934
3:	0.870	-0.190
4:	0.534	-0.243
5:	0.075	-0.387
6:	-0.078	0.199
7:	0.064	0.668
8:	-0.378	0.580
9:	-0.978	1.047
10:	-1.550	1.193



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523381. __0

TARGET NUMBER: 3

FILE DATE: 06/08/2005

FILE TIME: 08:28

X CENTROID: 0.024

Y CENTROID: -0.224

POA TO CENTROID: 0.225

HORZ SPREAD: 2.132

VERT SPREAD: 2.432

GROUP SPREAD: 2.324

MIN RADIUS: 0.407

MAX RADIUS: 1.442

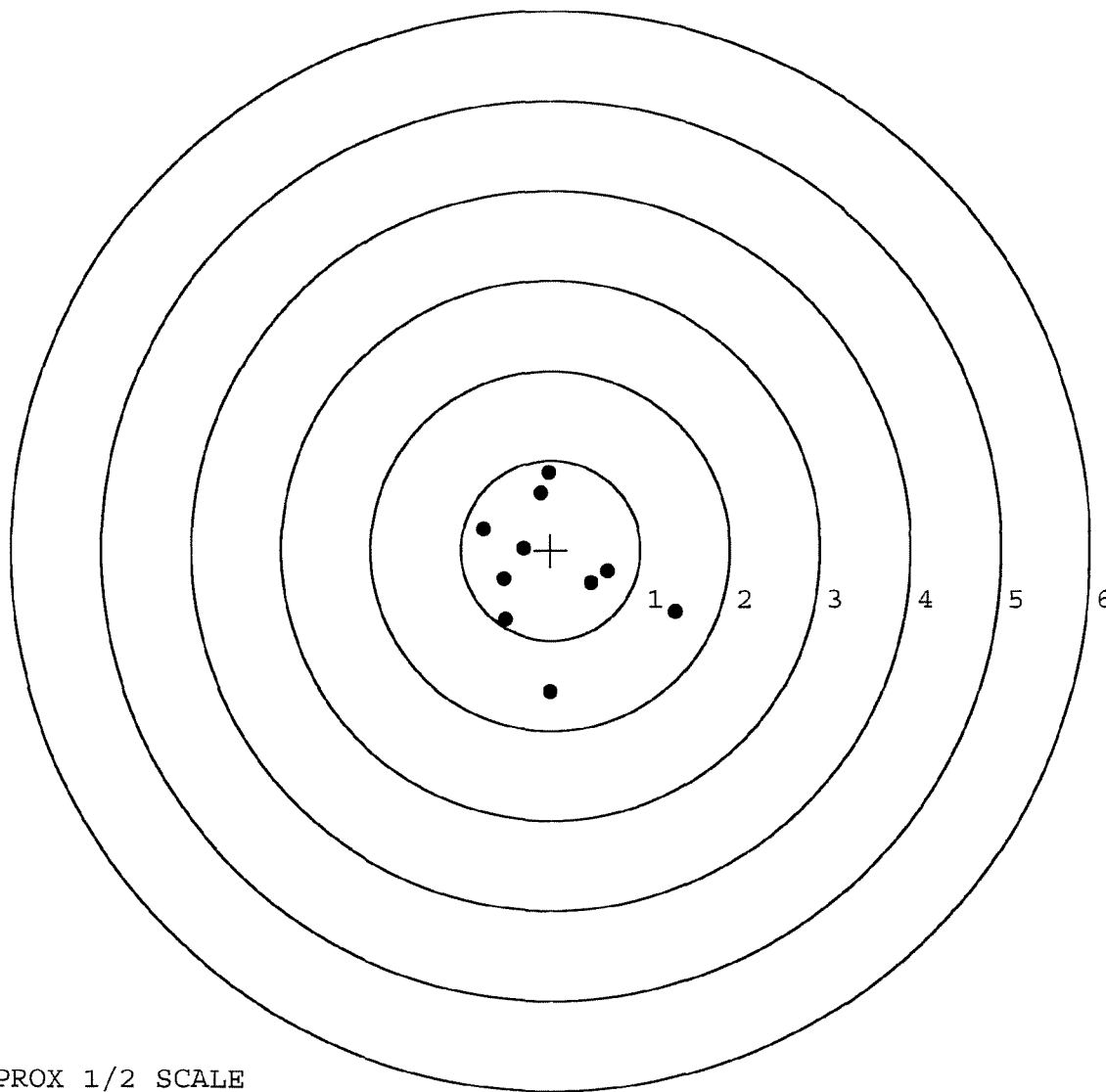
MEAN RADIUS: 0.844

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.031	0.864
2:	-0.120	0.635
3:	-0.745	0.229
4:	-0.304	0.016
5:	-0.523	-0.330
6:	-0.507	-0.777
7:	0.452	-0.372
8:	0.638	-0.243
9:	1.387	-0.696
10:	-0.007	-1.568



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523381. __0

TARGET NUMBER: 4

FILE DATE: 06/08/2005

FILE TIME: 08:28

X CENTROID: 0.062

Y CENTROID: 0.078

POA TO CENTROID: 0.099

HORZ SPREAD: 2.005

VERT SPREAD: 1.378

GROUP SPREAD: 2.124

MIN RADIUS: 0.450

MAX RADIUS: 1.155

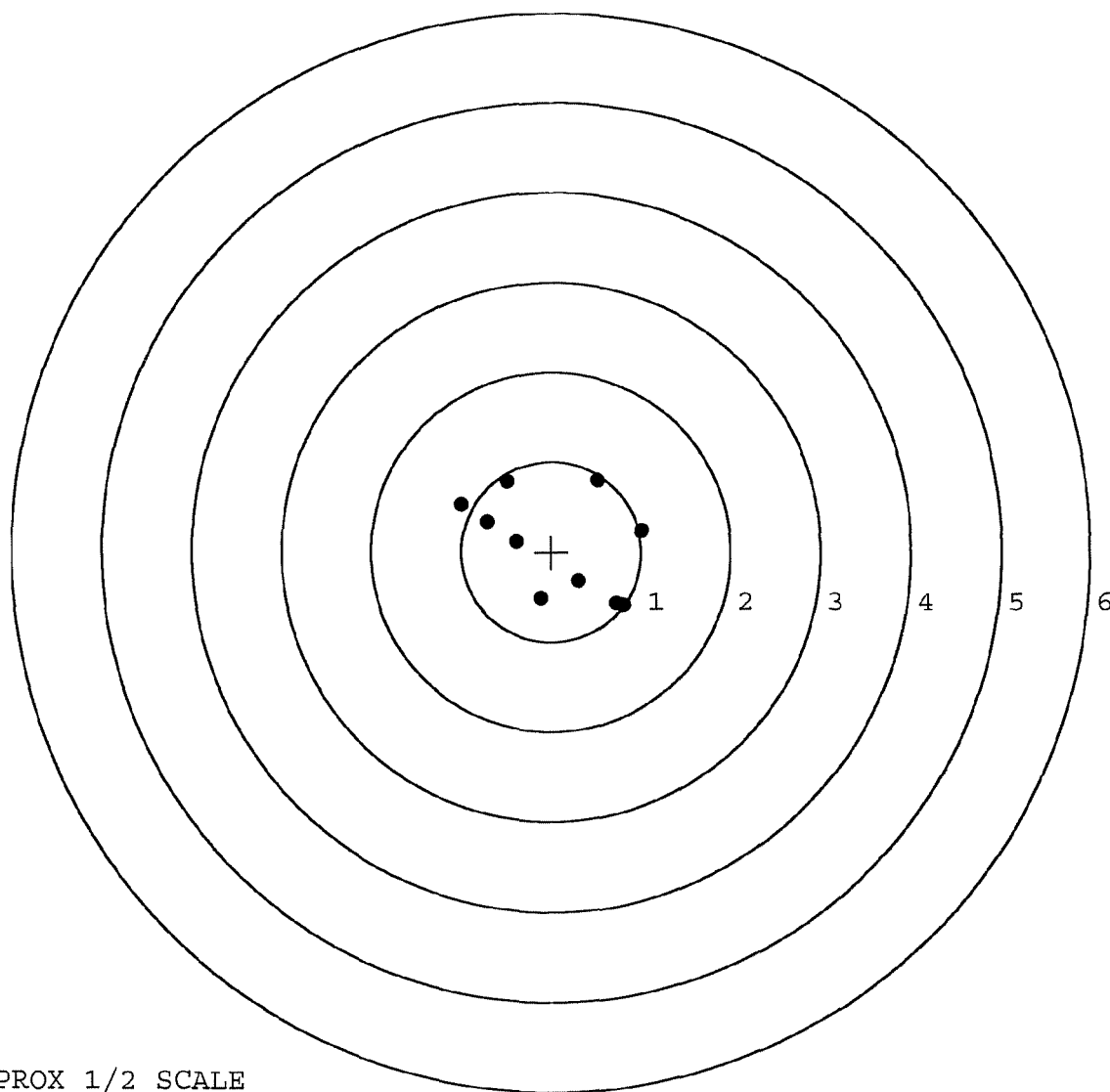
MEAN RADIUS: 0.814

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.725	-0.572
2:	1.001	0.240
3:	0.517	0.789
4:	-0.499	0.776
5:	-1.004	0.523
6:	-0.718	0.331
7:	-0.387	0.118
8:	0.302	-0.323
9:	-0.126	-0.515
10:	0.806	-0.589



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523381. 0

TARGET NUMBER: 5

FILE DATE: 06/08/2005

FILE TIME: 08:28

POINT#	X	Y
1:	1.077	-0.066
2:	0.656	-0.363
3:	0.627	-0.259
4:	0.177	-0.233
5:	-0.105	-0.287
6:	0.436	0.452
7:	-0.756	-0.092
8:	0.188	-1.291
9:	-0.591	0.718
10:	-0.095	1.479

X CENTROID: 0.161

Y CENTROID: 0.006

POA TO CENTROID: 0.162

HORZ SPREAD: 1.833

VERT SPREAD: 2.770

GROUP SPREAD: 2.784

MIN RADIUS: 0.239

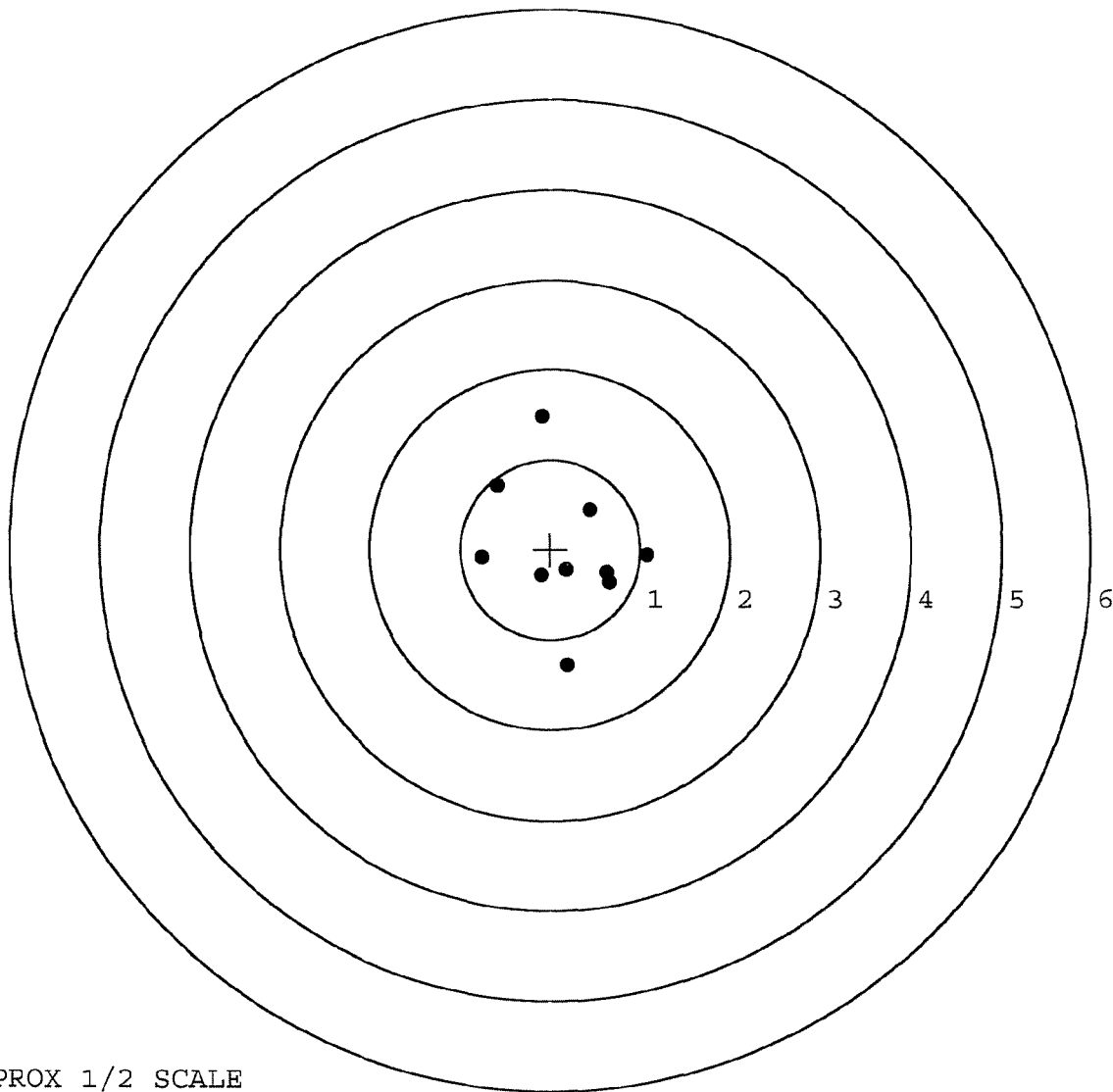
MAX RADIUS: 1.495

MEAN RADIUS: 0.798

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	92934		
SERIAL NUMBER	C6523381		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-25-05	RTZ
560 A	RE-BARREL	5-3-05	RTZ
B	DRILL AND TAP	5-5-05	TRW
575	ASSEMBLE	5-3-05	RTZ
600	PROOF	5-4-05	AC
605	CHECK HEADSPACE	5-4-05	AC
610	DIS-ASSEMBLE GUN	5-6-05	RTZ
612	MAGNAFLUX		
615	ROLLMARK CALIBER	5-9-05	CW
618	ROTO-BLAST	5-9-05	LB
620	APPLY COATINGS	5-16-05	W
625 A	FINAL ASSEMBLY	6-2-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	6-9-05	AC
D	SAFETY "OFF" FORCE	6-9-05	AC
E	FIRING PIN INDENT	6-9-05	AC
640	TARGET	6-8-05	AC
655	FINAL INSPECT	6-9-05	AC
660	PACK	7-6-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

RECEIVING & ESTIMATING REPORT

COMMENTS

ORDER
R 94-18299

INITIAL CUSTOMER ORDER NO.
FDC DAAA09-92-C-0834

W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

S/N 90 1058

DATE RECEIVED 06/10/94 DATE OPENED 06/10/94 DATE CODE SERIAL NUMBER C6523381 NEW SERIAL NUMBER MODEL AND GRADE 700 7-62 NATO
ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

CUST NO: 098397 CJO.D

ACCOUNT NUMBER ACCOUNT NUMBER N/C PROM. DATE ESTIMATED VIA FRT

GUN CONDITION

- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

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

PARTS

COMMENTS

New Barrel
Trigger Assy
Firing Pin
Mag Box
Mag Spring
Mag Spring follower
L Stock
Front & Rear Sight Assy

REPAIRMAN PROOF CLEAN TEST TARGET PATTERN

GALLERY TESTER DATE DATE DATE DATE DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0027078

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6523381DATE 3-13-96TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.63	2.71	2.81		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.68	2.78	2.86		
PULL #3	2.72	2.70	2.86		
PULL #4	2.49	2.78	2.87		
PULL #5	2.62	2.70	2.83		
TOTAL	13.14	13.67	14.23		
AVG.	2.62	2.73	2.84		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.28		
PULL #2	3.22	3.23		
PULL #3	3.09	3.18		
PULL #4	3.33	3.32		
PULL #5	3.18	3.00		
TOTAL	16.13	16.01		
AVG.	3.22	3.20		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.06		4.24
PULL #2	4.08	4.04		4.02
PULL #3	4.12	4.10		4.24
PULL #4	4.09	4.22		4.24
PULL #5	4.17	4.00		4.02
TOTAL	20.63	20.42		20.74
AVG.	4.12	4.08		4.15

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523381
11 Feb 1900

CENTROIDAL DISTANCES

0 TO	1	1.15987
1 TO	2	.475622
1 TO	3	.306007
1 TO	4	.182387
1 TO	5	.385659


 + <----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5508
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .7266
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .911772
 THE AMR FOR THIS RIFLE IS: 1.007

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523381.1

CENTERFIRE PATTERNS

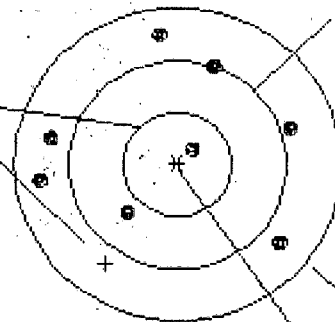
1

POA

1 in circle

2 in circle

3 in circle



CENTROID *

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 2

3 in = 0

HS = 3.060

VS = 2.890

GS = 3.252

PATTERN #

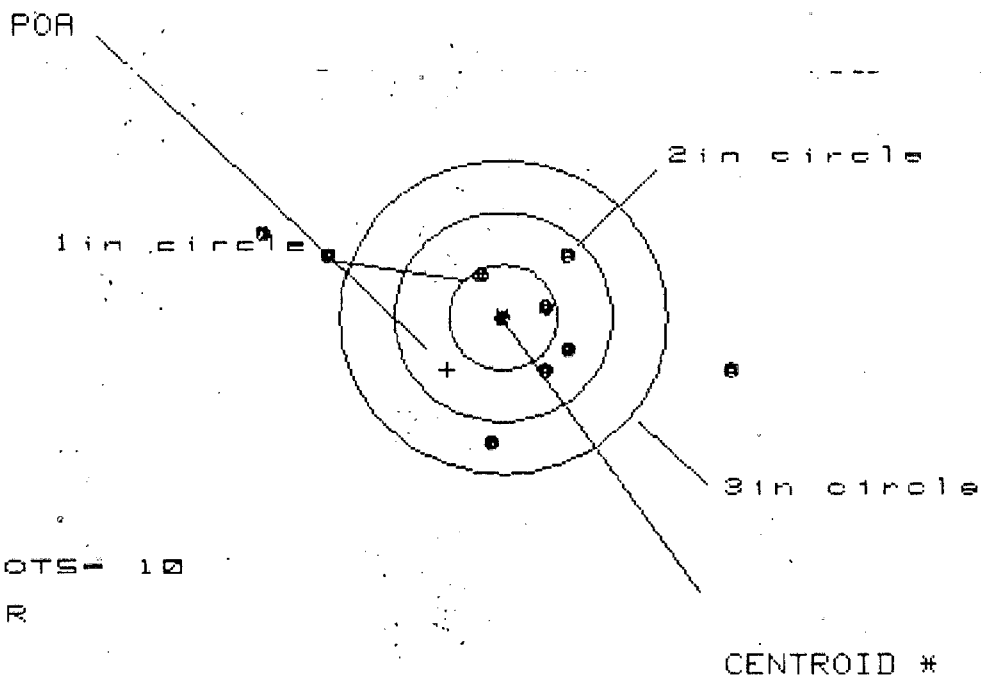
P10

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.747	1.635	1.122
MINIMUM X	-1.313	-1.425	-1.221
MAXIMUM Y	1.226	1.041	1.025
MINIMUM Y	-1.664	-0.899	-0.915
CENTROID X	.664	.776	.572
CENTROID Y	.951	1.136	1.152
POA TO CENTROID in.	1.160	1.376	1.286
MIN RADIUS	.212	.007	.208
MEAN RADIUS	1.155	1.029	.960
MAX RADIUS	1.947	1.639	1.359
HORIZONTAL SPREAD	3.060	3.060	2.343
VERTICAL SPREAD	2.890	1.940	1.940
EXTREME SPREAD	3.252	3.068	2.389
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		2	
NUMBER IN THREE INCH CIRCLE =		8	

11 Feb 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C65233B1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 7

HS= 4.264

VS= 1.962

GS= 4.444

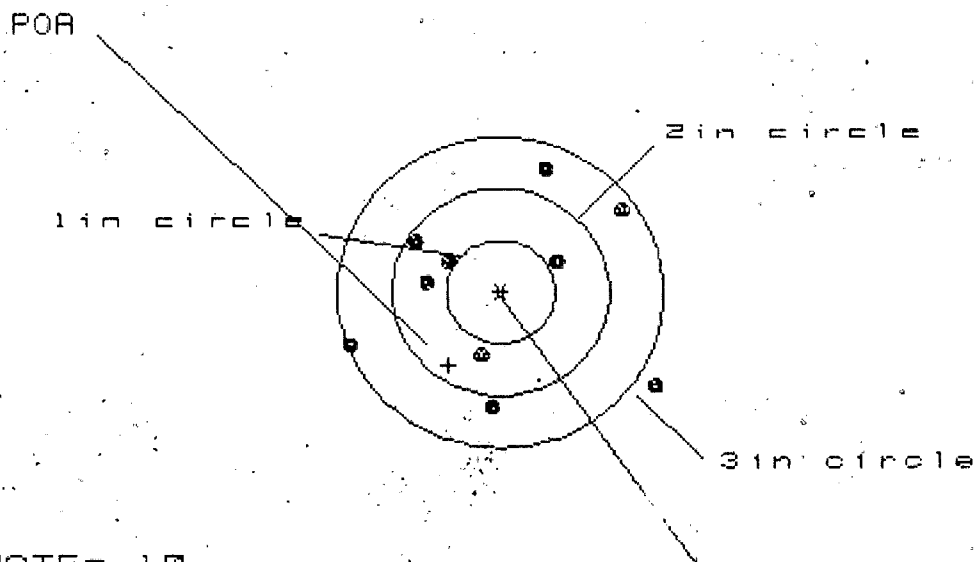
PATTERN #	12	10	9	8
SHOTS (BEST OF)	10	9	8	
MAXIMUM X	2.096	1.856	.583	
MINIMUM X	-2.167	-1.875	-1.643	
MAXIMUM Y	.755	.666	.614	
MINIMUM Y	-1.207	-1.123	-1.175	
CENTROID X	.510	.750	.518	
CENTROID Y	.501	.417	.469	
POA TO CENTROID in.	.715	.859	.699	
MIN RADIUS	.034	.279	.042	
MEAN RADIUS	1.042	.871	.746	
MAX RADIUS	2.295	1.987	1.751	
HORIZONTAL SPREAD	4.264	3.731	2.226	
VERTICAL SPREAD	1.962	1.789	1.789	
EXTREME SPREAD	4.444	3.881	2.374	
NUMBER IN ONE INCH CIRCLE =		3		
NUMBER IN TWO INCH CIRCLE =		6		
NUMBER IN THREE INCH CIRCLE =		7		

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523381

CENTERFIRE PATTERNS

3



OF SHOTS- 10

IN CIR

1in = 8

2in = 5

3in = 9

HS= 2.840

VS= 2.278

GS= 2.874

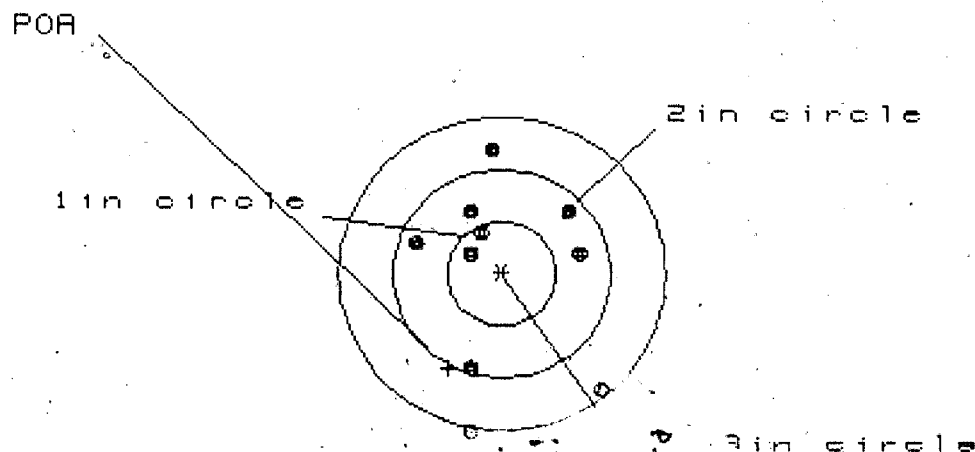
CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.451
MINIMUM X	-1.389
MAXIMUM Y	1.147
MINIMUM Y	-1.131
CENTROID X	.482
CENTROID Y	.705
POA TO CENTROID in.	.854
MIN RADIUS	.563
MEAN RADIUS	1.026
MAX RADIUS	1.711
HORIZONTAL SPREAD	2.840
VERTICAL SPREAD	2.278
EXTREME SPREAD	2.874
NUMBER IN ONE INCH CIRCLE	8
NUMBER IN TWO INCH CIRCLE	5
NUMBER IN THREE INCH CIRCLE	9

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523381

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 1.726

VS= 2.687

GS= 2.698

CENTROID #

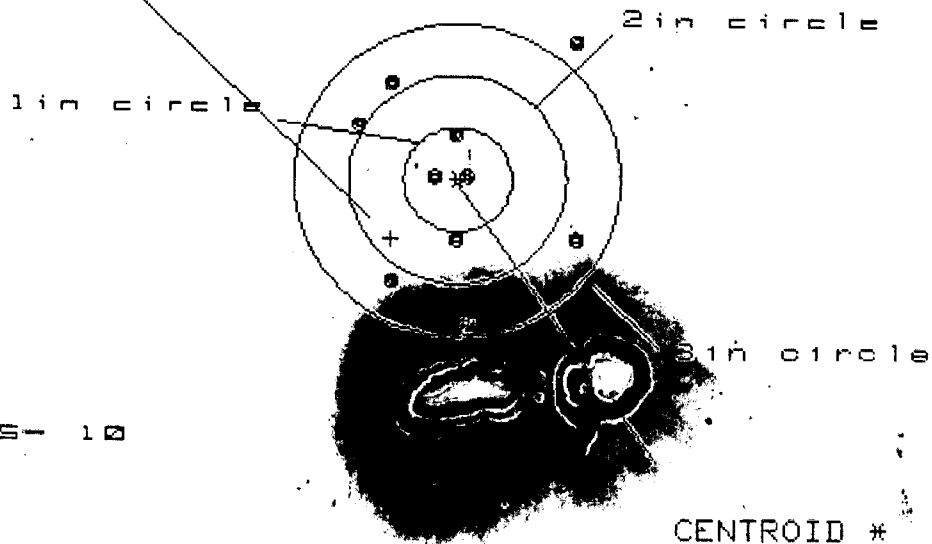
PATTERN #	4	4	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.912	.876	.805
MINIMUM X	-.814	-.850	-.741
MAXIMUM Y	1.204	1.039	.887
MINIMUM Y	-1.483	-1.223	-1.226
CENTROID X	.487	.524	.415
CENTROID Y	.907	1.072	1.225
POA TO CENTROID in.	1.030	1.193	1.293
MIN RADIUS	.324	.319	.165
MEAN RADIUS	.902	.799	.657
MAX RADIUS	1.519	1.504	1.238
HORIZONTAL SPREAD	1.726	1.726	1.546
VERTICAL SPREAD	2.687	2.262	2.112
EXTREME SPREAD	2.698	2.472	2.118
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

11 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C65233B1

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1in = 3

2in = 4

3in = 9

HS= 1.999

VS= 2.742

GS= 2.890

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.128	1.244	1.276
MINIMUM X	-.871	-.755	-.723
MAXIMUM Y	1.357	1.106	.952
MINIMUM Y	-1.385	-1.234	-.950
CENTROID X	.611	.495	.463
CENTROID Y	.569	.418	.572
POA TO CENTROID in.	.835	.648	.736
MIN RADIUS	.132	.201	.061
MEAN RADIUS	.909	.819	.731
MAX RADIUS	1.716	1.309	1.393
HORIZONTAL SPREAD	1.999	1.999	1.999
VERTICAL SPREAD	2.742	2.340	1.902
EXTREME SPREAD	2.890	2.452	2.297
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523381

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. #	BARBER - M24 0027048 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	8	8	8			5/4/96	FW
	G) Safety Off Force	4	4	4			5/4/96	FW
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.023	.023	.023			5/4/96	FW
	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	2.78	2.80	2.81	2.85	2.85	5/4/96	FW
	C) Function							
660	Pack							

Remington®

UPONT
REG. U.S. PAT. & TM. OFF.

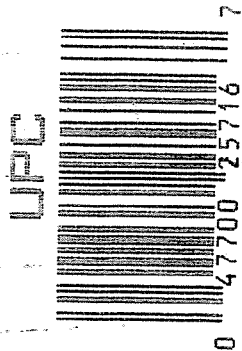
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ M24

SERIAL NO.
C6523381

ORDER NO.
5715

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523381

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/1/90	KH
600	Proof		10/1/90	KH
607	Check Headspace		10/1/90	KH
610	Dis-assemble Gun		10/1/90	KH
612	Magnaflux Barrel Action		10/3/90	KR
	Magnaflux Bolt		10/3/90	KR
615	Rollmark Caliber		10/3/90	YH
617	Drill and Tap Sight Holes		10/4/90	FB
618	Polish Barrel <i>RB</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	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	WB
	C) Inspect Ejector Hole for Chamfer		10/21/90	WB
	D) Oil Firing Pin Ass'y		10/21/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		10-27-90	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			10/27/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			10/27/90	WB
	H) Trigger Pull Test & Retainability						10-27-90	DH
	I) Firing Pin Indent	.022	.022	.022			10/27/90	WB
	J) Assemble Stock						10/27/90	Kel
	K) Assemble Swivel Studs						3/18/90	JS
	L) Attach Front and Rear Sight Assemblies						10/27/90	Kel
	M) Iron Sight Alignment						10/27/90	Kel
	N) Detach Front & Rear Sights & place in numbered container						10/27/90	Kel
	O) Attach Scope to Rifle						10/27/90	Kel
	P) Detach & Attach Scope 20 Times						10/27/90	Kel
640	Gallery Target & Test						10-29-90	KT
	A) Time						10-29-90	KT
	B) Malfunctions						10-29/90	KT
	C) Pierced Primers						10-29-90	KT
	D) Optical Clarity of Scope						10-29-90	KT
645	Inspect for Live Ammo						10-29-90	KT
655	Final Inspection							
	A) Headspace						3/18/90	JS
	B) Trigger Pull	291	290	278	295	290	3/18/90	JS
	C) Function						3/18/90	JS
660	Pack						12/19/90	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523381

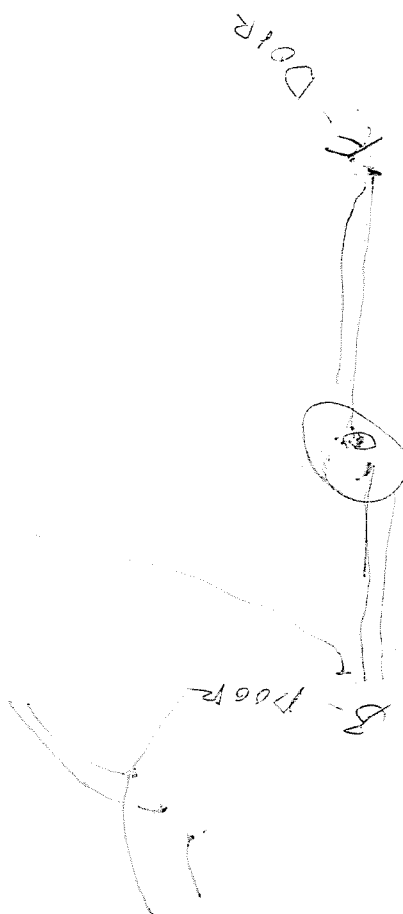
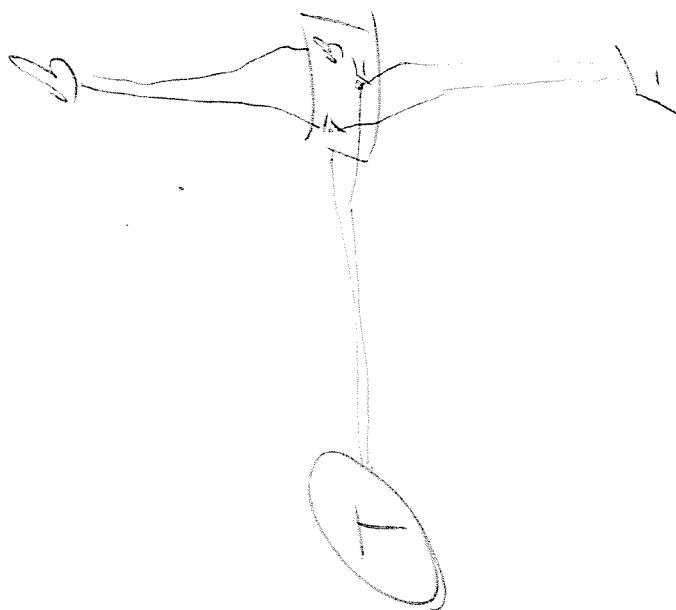
DATE 10-27-90

TESTER PH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.58	2.47	2.91	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.62	2.43	2.54	2.90	
PULL #3	2.60	2.49	2.49	2.78	
PULL #4	2.60	2.44	2.56	2.95	
PULL #5	2.56	2.45	2.47	2.90	
TOTAL	12.81	12.39	12.53		
AVG.	2.56	2.47	2.50		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	3.03		
PULL #2	3.10	3.00		
PULL #3	3.04	3.04		
PULL #4	3.09	3.01		
PULL #5	3.02	3.02		
TOTAL	15.39	15.10		
AVG.	3.07	3.02		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.19		4.15
PULL #2	4.28	4.18		4.09
PULL #3	4.16	4.24		4.10
PULL #4	4.31	4.23		4.29
PULL #5	4.28	4.25		4.26
TOTAL	21.32	21.09		20.89
AVG.	4.22	4.21		4.17



INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523381
12 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.348855
1 TO	2	.666168
1 TO	3	.196573
1 TO	4	.328842
1 TO	5	.428562

σ_{θ}^2 < ----POR

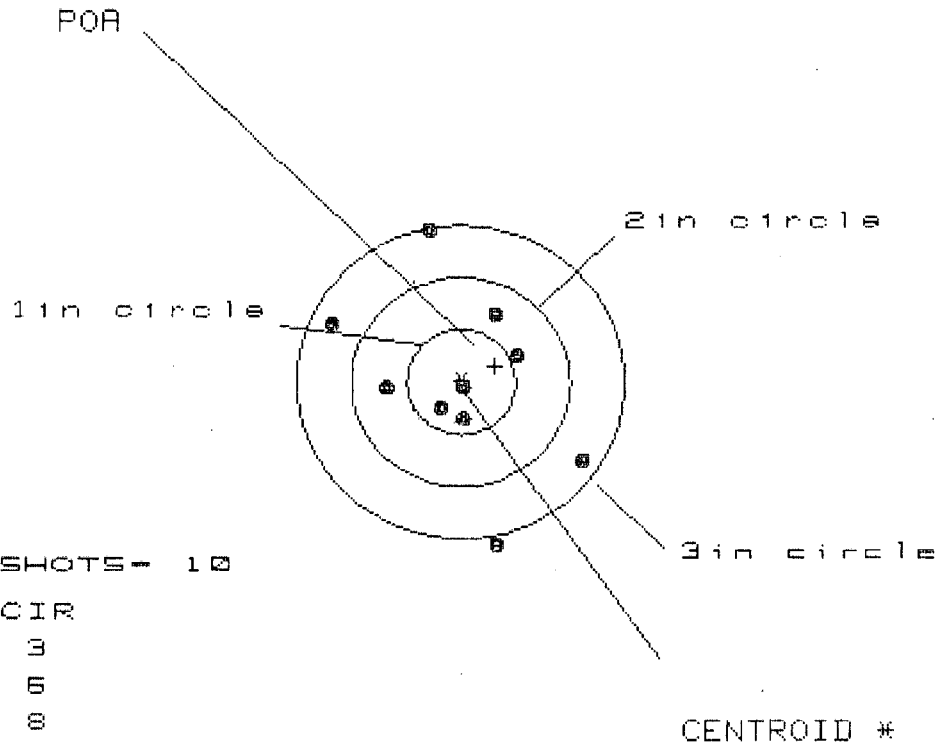
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0198
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0396
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0442741
THE AMR FOR THIS RIFLE IS: .8756

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C65233B1

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 2.355

VS= 3.068

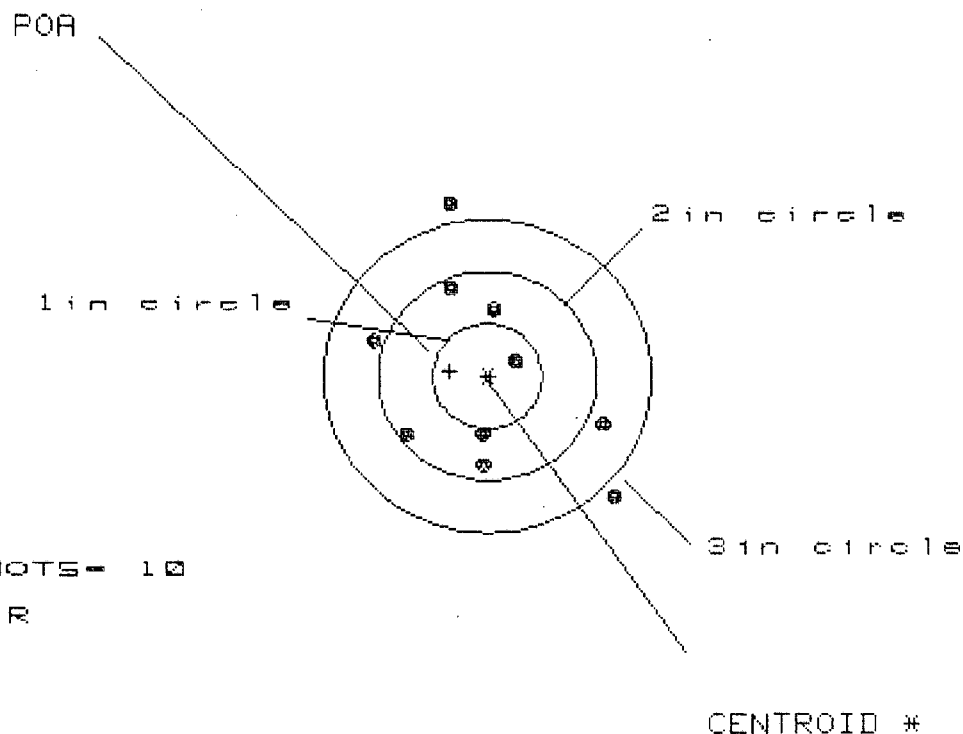
GS= 3.124

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.129	1.162	1.130
MINIMUM X	-1.226	-1.193	-1.225
MAXIMUM Y	1.489	1.314	.636
MINIMUM Y	-1.579	-.894	-.730
CENTROID X	-.314	-.347	-.315
CENTROID Y	-.152	.023	-.141
POA TO CENTROID in.	.349	.348	.345
MIN RADIUS	.024	.189	.029
MEAN RADIUS	.841	.777	.663
MAX RADIUS	1.606	1.466	1.345
HORIZONTAL SPREAD	2.355	2.355	2.355
VERTICAL SPREAD	3.068	2.208	1.366
EXTREME SPREAD	3.124	2.654	2.654
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C65233B1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 2.185

VS= 2.804

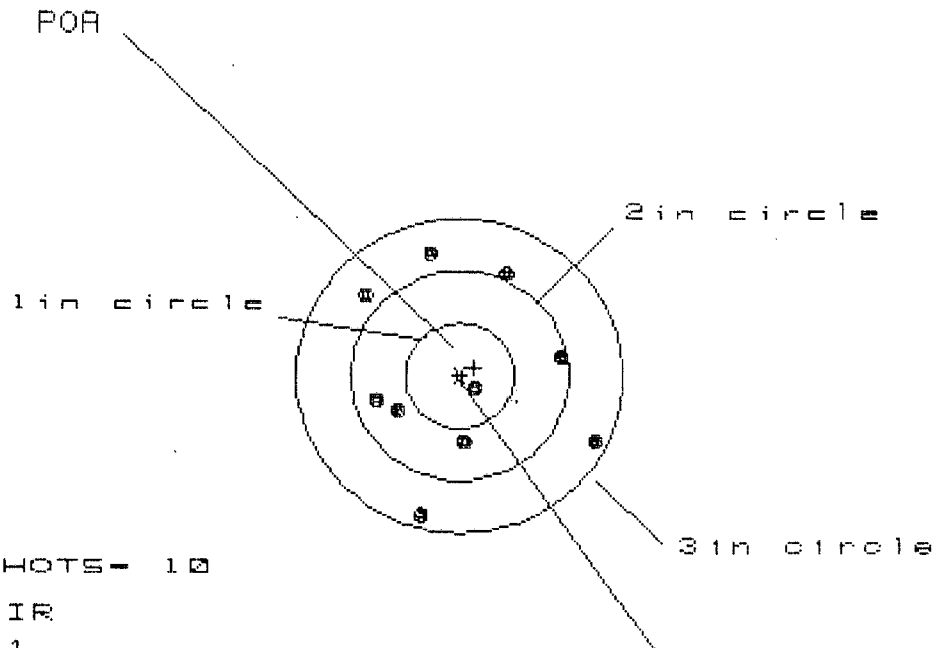
GS= 3.158

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.156	1.123	1.116
MINIMUM X	-1.029	-1.062	-.922
MAXIMUM Y	1.635	1.054	.931
MINIMUM Y	-1.169	-.987	-.781
CENTROID X	.344	.377	.237
CENTROID Y	-.048	-.230	-.107
POA TO CENTROID in.	.348	.442	.260
MIN RADIUS	.264	.342	.386
MEAN RADIUS	.965	.875	.791
MAX RADIUS	1.662	1.495	1.199
HORIZONTAL SPREAD	2.185	2.185	2.038
VERTICAL SPREAD	2.804	2.041	1.712
EXTREME SPREAD	3.158	2.645	2.196
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523361

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.165

VS= 2.532

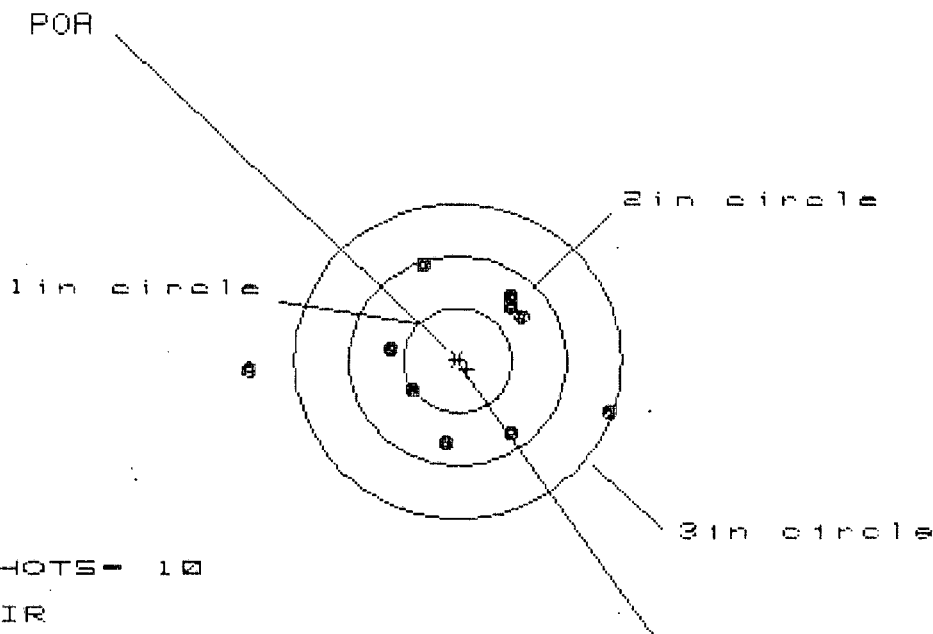
GS= 2.565

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.251	1.037	1.011
MINIMUM X	-.914	-.775	-.801
MAXIMUM Y	1.196	1.131	.956
MINIMUM Y	-1.336	-1.401	-.862
CENTROID X	-.134	-.273	-.247
CENTROID Y	-.073	-.008	.167
POA TO CENTROID in.	.153	.273	.298
MIN RADIUS	.176	.326	.434
MEAN RADIUS	.943	.894	.838
MAX RADIUS	1.383	1.417	1.012
HORIZONTAL SPREAD	2.165	1.812	1.812
VERTICAL SPREAD	2.532	2.532	1.818
EXTREME SPREAD	2.565	2.534	1.907
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523361

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 8

3 in = 9

HS= 3.309

VS= 1.663

GS= 3.333

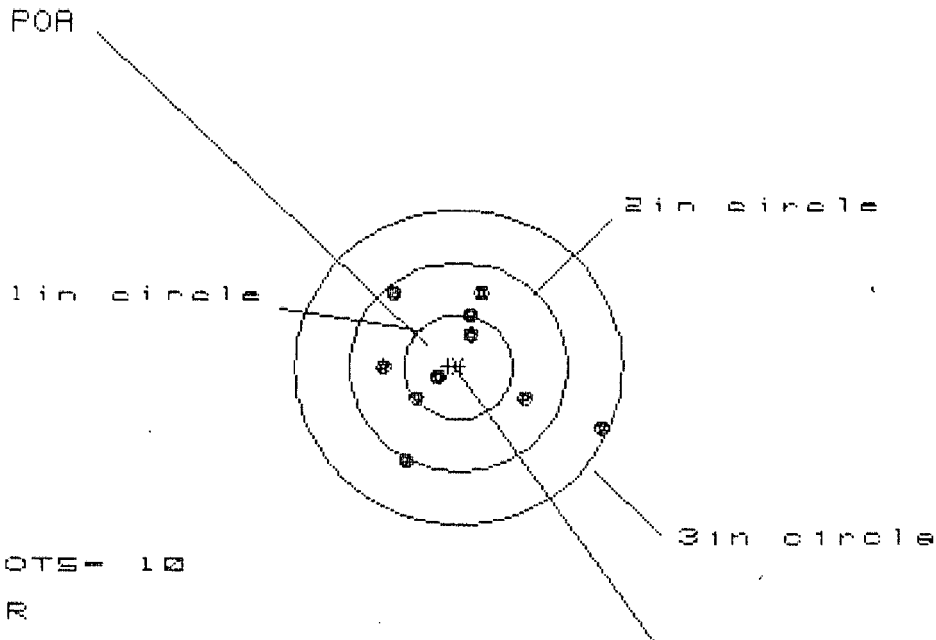
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.363	1.146	.490
MINIMUM X	:	-1.946	-.872	-.728
MAXIMUM Y	:	.867	.853	.786
MINIMUM Y	:	-.796	-.810	-.877
CENTROID X	:	-.085	.132	-.012
CENTROID Y	:	.084	.098	.165
POA TO CENTROID in.	:	.119	.164	.165
MIN RADIUS	:	.470	.495	.568
MEAN RADIUS	:	.928	.795	.724
MAX RADIUS	:	1.950	1.266	.896
HORIZONTAL SPREAD	:	3.309	2.018	1.218
VERTICAL SPREAD	:	1.663	1.663	1.663
EXTREME SPREAD	:	3.333	2.191	1.779
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C65233B1

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 9

3 in = 10

HS = 2.031

VS = 1.590

GS = 2.286

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.333	.786	.749
MINIMUM X	-.698	-.550	-.587
MAXIMUM Y	.706	.642	.523
MINIMUM Y	-.884	-.948	-.491
CENTROID X	.090	-.058	-.021
CENTROID Y	-.009	.055	.174
POA TO CENTROID in.	.090	.080	.175
MIN RADIUS	.263	.196	.217
MEAN RADIUS	.701	.593	.531
MAX RADIUS	1.452	.994	.881
HORIZONTAL SPREAD	2.031	1.336	1.336
VERTICAL SPREAD	1.590	1.590	1.014
EXTREME SPREAD	2.296	1.672	1.563
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523381
30 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.318611
1 TO	2	.520378
1 TO	3	.207152
1 TO	4	.387497
1 TO	5	.582156

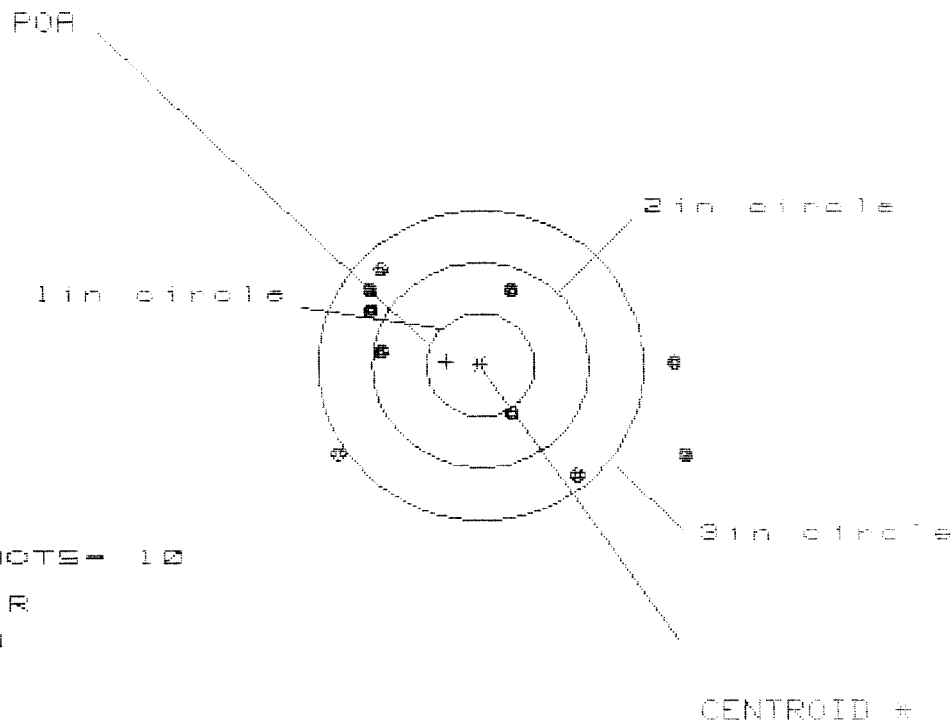
541 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .005
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0426
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0428924
THE AMR FOR THIS RIFLE IS: 1.002

30 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523381

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 7

HS= 2.287

VS= 2.007

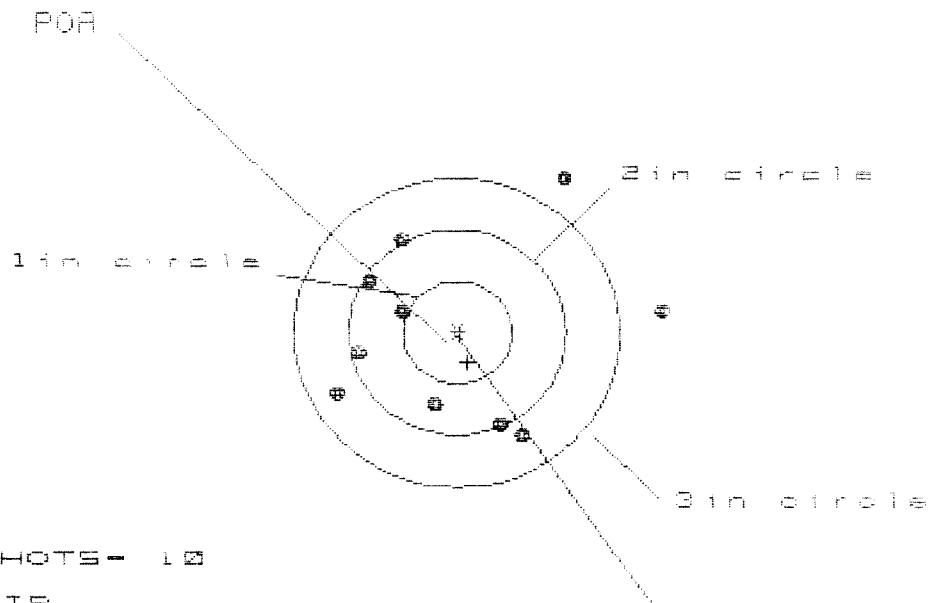
GS= 3.401

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.922	1.955	1.851
MINIMUM X	:	-1.365	-1.151	-1.907
MAXIMUM Y	:	.971	.873	.864
MINIMUM Y	:	-1.036	-1.134	-1.143
CENTROID X	:	.317	.103	-.141
CENTROID Y	:	-.032	.066	.074
POA TO CENTROID in.	:	.318	.123	.160
MIN RADIUS	:	.568	.673	.430
MEAN RADIUS	:	1.280	1.147	.995
MAX RADIUS	:	2.116	1.956	1.769
HORIZONTAL SPREAD	:	3.287	3.186	2.258
VERTICAL SPREAD	:	2.007	2.007	2.007
EXTREME SPREAD	:	3.401	3.222	2.711
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

33 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523381

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

IS = 2.974

VS = 2.494

GS = 3.088

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.911	1.247	.992
MINIMUM X	:	-1.063	-.850	-.694
MAXIMUM Y	:	1.522	1.548	1.176
MINIMUM Y	:	-.972	-.946	-.753
CENTROID X	:	-.091	-.304	-.460
CENTROID Y	:	.291	.265	.072
POA TO CENTROID in.	:	.306	.403	.465
MIN RADIUS	:	.497	.327	.416
MEAN RADIUS	:	1.133	.989	.821
MAX RADIUS	:	1.926	1.987	1.245
HORIZONTAL SPREAD	:	2.974	2.097	1.686
VERTICAL SPREAD	:	2.494	2.494	1.929
EXTREME SPREAD	:	3.088	2.958	2.242
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

30 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523381

CENTERFIRE PATTERNS # 3

POR

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 1.543

VS= 2.308

GS= 2.331

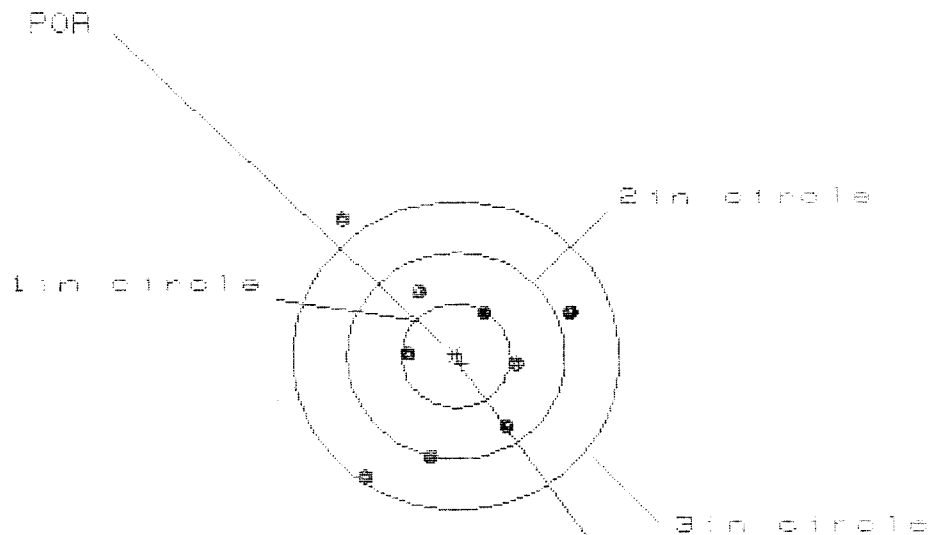
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.942	.941	.846
MINIMUM X	:	-.602	-.602	-.484
MAXIMUM Y	:	1.320	1.011	.932
MINIMUM Y	:	-.988	-.841	-.920
CENTROID X	:	.113	.113	-.005
CENTROID Y	:	.004	-.143	-.064
POR TO CENTROID in.	:	.113	.182	.064
MIN RADIUS	:	.308	.303	.224
MEAN RADIUS	:	.770	.700	.617
MAX RADIUS	:	1.320	1.131	1.019
HORIZONTAL SPREAD	:	1.543	1.543	1.330
VERTICAL SPREAD	:	2.308	1.852	1.852
EXTREME SPREAD	:	2.331	2.158	2.011
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

30 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06523381

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

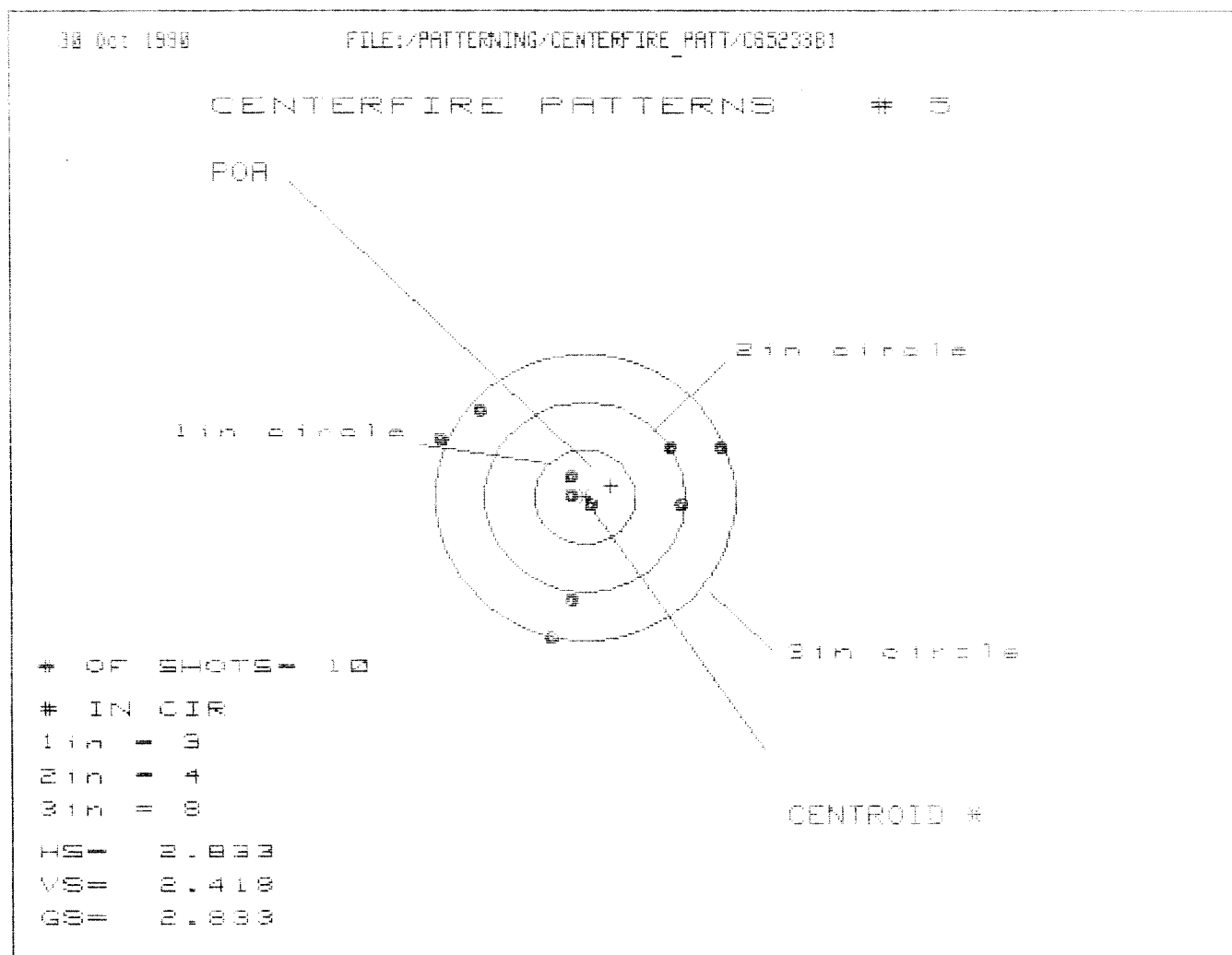
HS = 2.046

VS = 2.444

GS = 2.448

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.036	.924	.880
MINIMUM X	:	-1.010	-.990	-.693
MAXIMUM Y	:	1.304	.756	.632
MINIMUM Y	:	-1.139	-.995	-.904
CENTROID X	:	-.056	.056	.180
CENTROID Y	:	.073	-.072	.052
POA TO CENTROID in.	:	.091	.092	.188
MIN RADIUS	:	.462	.425	.294
MEAN RADIUS	:	.874	.769	.653
MAX RADIUS	:	1.650	1.404	1.010
HORIZONTAL SPREAD	:	2.046	1.914	1.493
VERTICAL SPREAD	:	2.444	1.751	1.536
EXTREME SPREAD	:	2.448	2.448	1.812
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.358
MINIMUM X	-1.483
MAXIMUM Y	.908
MINIMUM Y	-1.510
CENTROID X	-.258
CENTROID Y	-.123
POA TO CENTROID in.	.285
MIN RADIUS	.076
MEAN RADIUS	.954
MAX RADIUS	1.591
HORIZONTAL SPREAD	2.833
VERTICAL SPREAD	2.418
EXTREME SPREAD	2.833
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	3