

C6348976

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.





RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:

113A-MISC. DU PONT SURVEYS, S&F,

OCCUP. HEALTH, OSHA, RHYTHM, SECURITY

COPY "O" (OFFICIAL) ☐ "X" (EXTRA) ☒

TOTAL RETENTION: MAX 3 YEARS

GS-11050 Rev. 8/78

1
R.A.C.

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: RE00154259

Serial: C6348976 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 10/30/2008 8:24:13 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: ISD ARMSROOM

ISD ARMSROOM

Address 1: 8TH DESERT STORM

8TH DESERT STORM

Address 2: BLDG 5210 BAY DOOR #30

PO Box:

BLDG 5210 BAY DOOR #30

PO Box:

City: FORT CAMPBELL

FORT CAMPBELL

State: KY

Zip Code: 42223

Country: US

State: KY

Zip Code: 42223

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
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglet

10/30/2008

1:40 PM

CAPS

NUM

INS

SCRL



Serial Number: **C6348976**
 Model: **M24 SWS**

RE00154259

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

R & E NUMBER 154259
 SERIAL NUMBER C6348976
 LOG-IN DATE 10-30-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	11-6-08	RTZ
505	RE-BARREL	11-12-08	RTZ
560	ASSEMBLE	11-12-08	RTZ
600	PROOF	11-11-08	RTZ
605	CHECK HEADSPACE	11-11-08	RTZ
610	DIS-ASSEMBLE GUN	11-11-08	RTZ
612	MAGNAFLUX	11-11-08	RTZ
510	DRILL AND TAP	11-12-08	RTZ
615	ROLLMARK CALIBER	11-17-08	RT
618	ROTO-BLAST		
620	APPLY COATINGS	11-21-08	RTZ
625	FINAL ASSEMBLY	12-1-08	RTZ
640	FUNCTION TEST AND	PASS FAIL	RTZ
650	TARGET	PASS FAIL	RTZ
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	12-5-08	RTZ
	A) HEADSPACE	PASS FAIL	RTZ
	B) TRIGGER PULL	2.55 2.57 2.60 2.52 2.54	12-5-08 RTZ
	C) SAFETY ON FORCE	3.0 3.0 3.0	12-5-08 RTZ
	D) SAFETY OFF FORCE	4.0 4.0 4.0	12-5-08 RTZ
	E) FIRING PIN INDENT	.022 .022 .021	12-5-08 RTZ
690	PACK		4/3/09 FM

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348976.___0
FILE DATE AND TIME: 12/05/2008 08:40

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.011
The Average Y Centroid of the Five Target Set:	0.083
The Average Point of Impact of the Five Target Set:	0.084
The Average Mean Radius of the Five Target Set:	0.560
The Distance from POA to Centroid Target #1:	0.308
The Distance from Centroid Target #2 to Centroid Target #1:	0.544
The Distance from Centroid Target #3 to Centroid Target #1:	0.608
The Distance from Centroid Target #4 to Centroid Target #1:	0.141
The Distance from Centroid Target #5 to Centroid Target #1:	0.517

BARBER - M24 0043030

SERIAL NUMBER: C6348976. 0

TARGET NUMBER: 1

FILE DATE: 12/05/2008

FILE TIME: 08:40

X CENTROID: -0.307

Y CENTROID: -0.023

POA TO CENTROID: 0.308

HORZ SPREAD: 1.373

VERT SPREAD: 1.745

GROUP SPREAD: 1.930

MIN RADIUS: 0.164

MAX RADIUS: 1.279

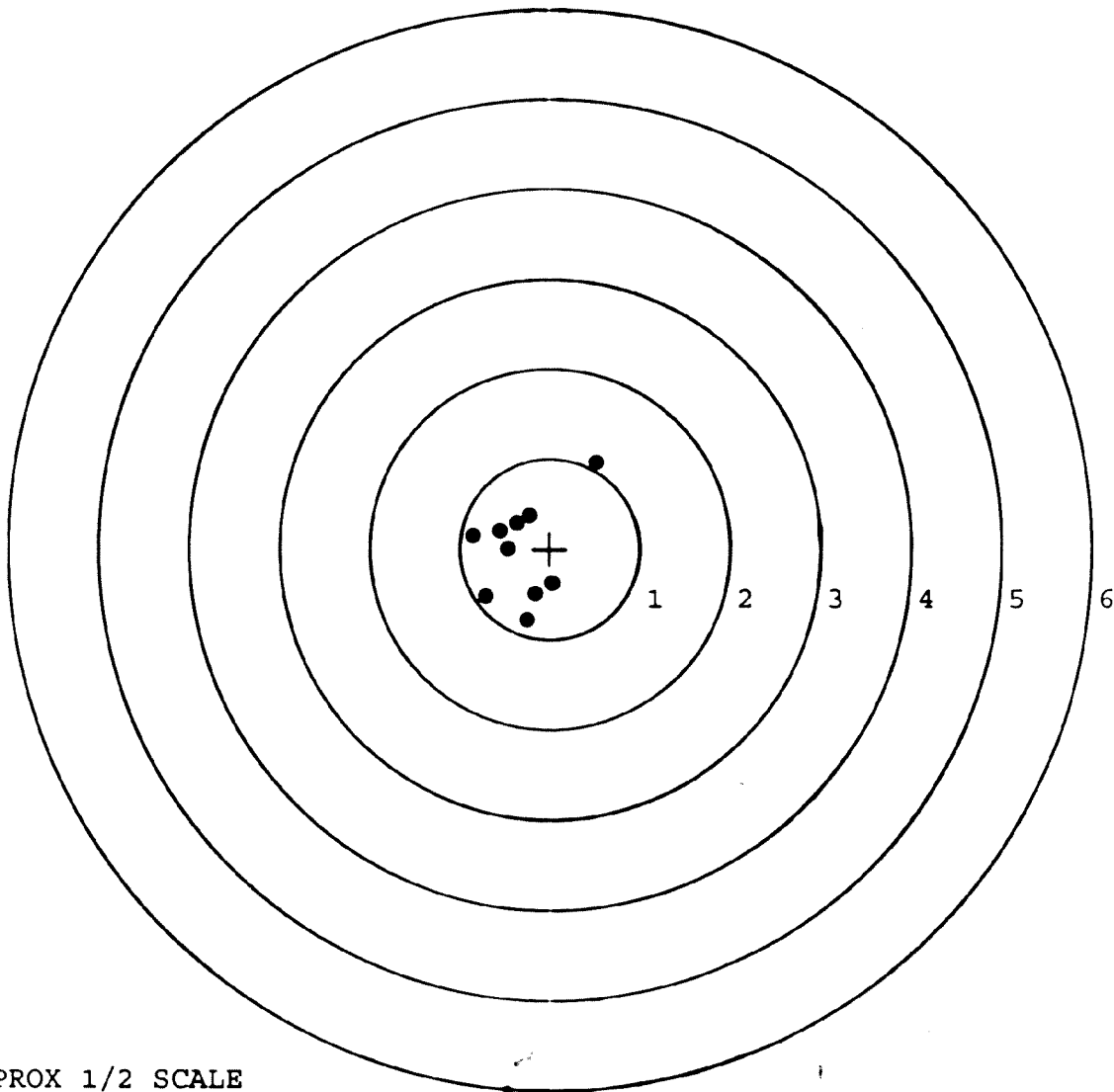
MEAN RADIUS: 0.549

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.517	0.955
2:	-0.227	0.370
3:	-0.369	0.287
4:	-0.559	0.205
5:	-0.856	0.152
6:	-0.468	0.004
7:	-0.715	-0.530
8:	-0.259	-0.790
9:	-0.164	-0.502
10:	0.032	-0.385



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348976. 0

TARGET NUMBER: 2

FILE DATE: 12/05/2008

FILE TIME: 08:40

POINT#	X	Y
1:	0.569	0.742
2:	0.288	0.804
3:	0.129	1.013
4:	-0.284	0.482
5:	-0.391	0.195
6:	-0.435	0.051
7:	-0.147	-0.417
8:	0.088	0.305
9:	0.469	0.175
10:	0.914	-0.211

X CENTROID: 0.120

Y CENTROID: 0.314

POA TO CENTROID: 0.336

HORZ SPREAD: 1.349

VERT SPREAD: 1.430

GROUP SPREAD: 1.454

MIN RADIUS: 0.033

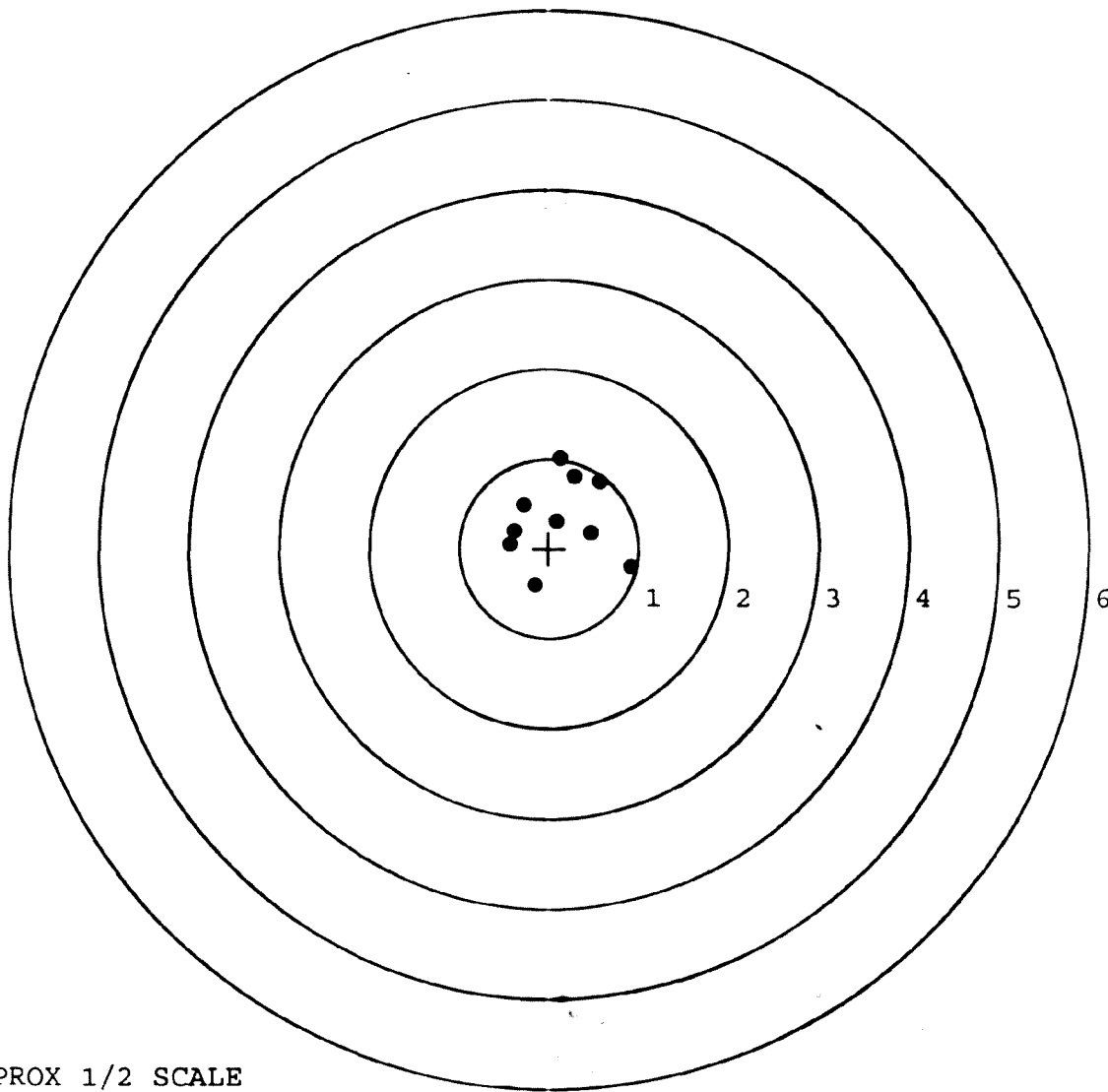
MAX RADIUS: 0.952

MEAN RADIUS: 0.555

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

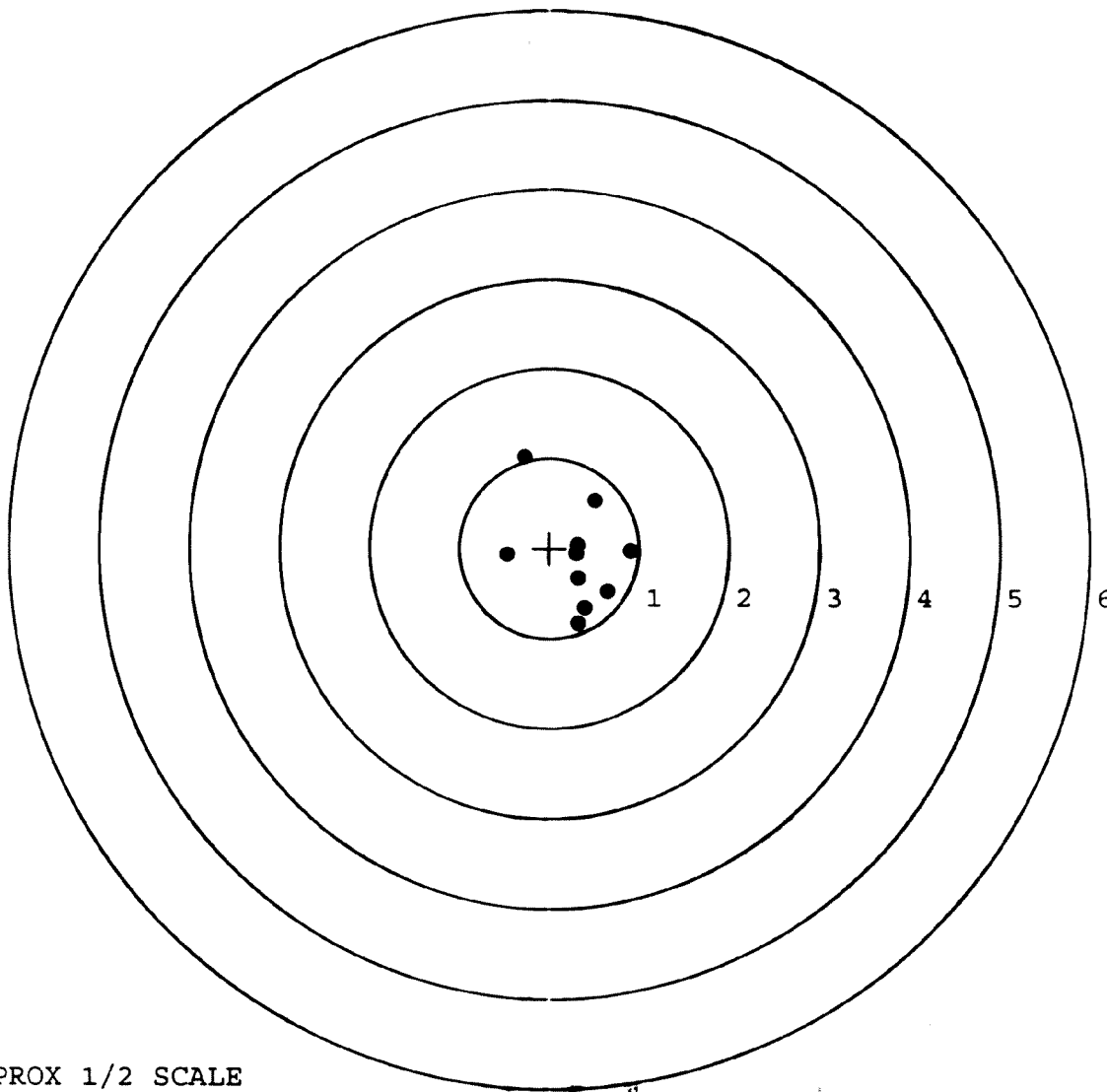


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348976. 0
 TARGET NUMBER: 3
 FILE DATE: 12/05/2008
 FILE TIME: 08:40

POINT#	X	Y
1:	-0.280	1.017
2:	-0.476	-0.067
3:	0.322	-0.837
4:	0.399	-0.665
5:	0.649	-0.485
6:	0.326	-0.336
7:	0.301	-0.065
8:	0.319	0.046
9:	0.911	-0.030
10:	0.507	0.531

X CENTROID: 0.298
 Y CENTROID: -0.089
 POA TO CENTROID: 0.311
 HORZ SPREAD: 1.387
 VERT SPREAD: 1.854
 GROUP SPREAD: 1.949
 MIN RADIUS: 0.024
 MAX RADIUS: 1.248
 MEAN RADIUS: 0.556
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



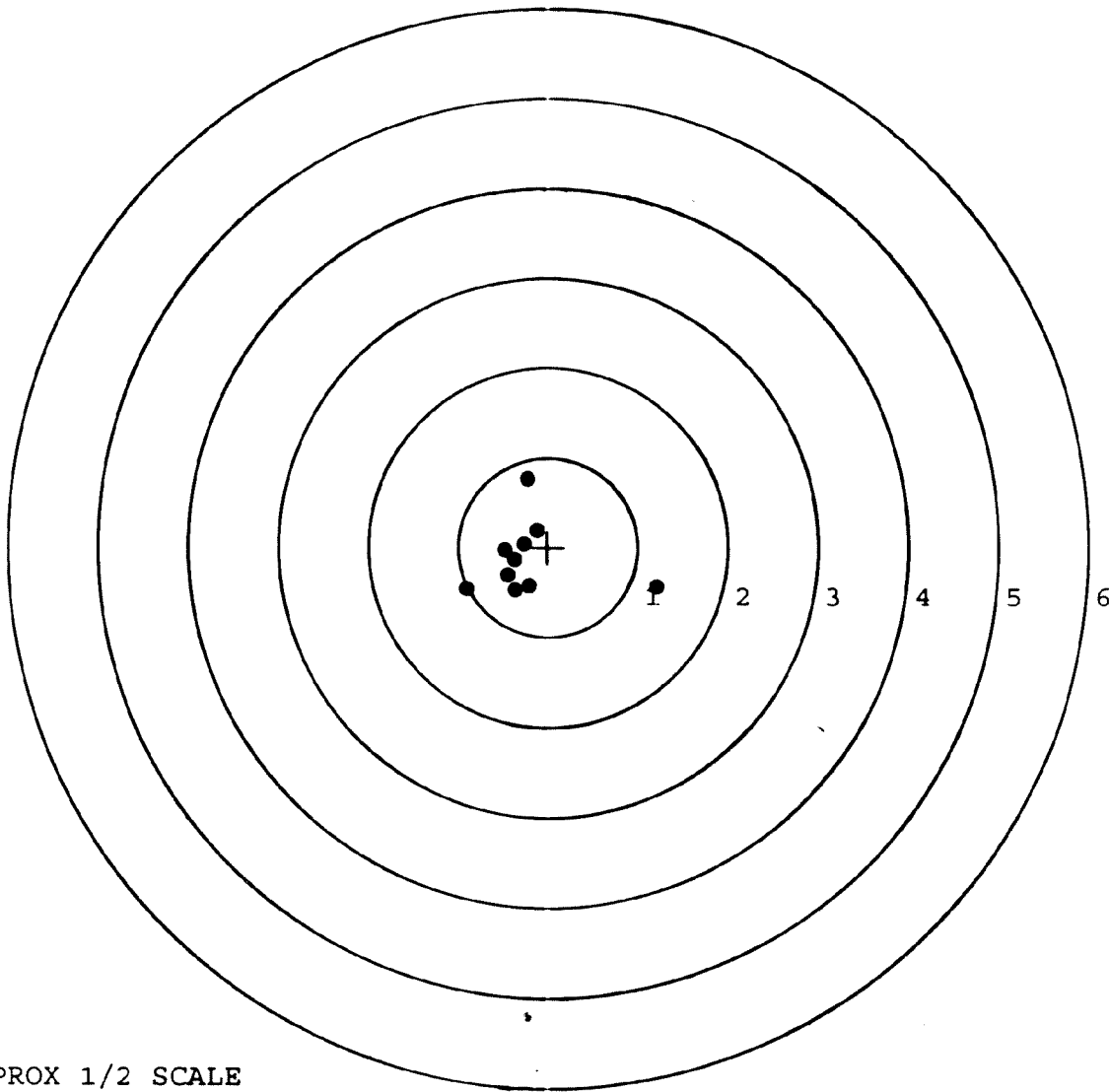
TARGET APPROX 1/2 SCALE

BARBER - M24 0043033

SERIAL NUMBER: C6348976. 0
 TARGET NUMBER: 4
 FILE DATE: 12/05/2008
 FILE TIME: 08:40

POINT#	X	Y
1:	1.209	-0.451
2:	-0.907	-0.469
3:	-0.227	0.763
4:	-0.125	0.189
5:	-0.268	0.036
6:	-0.480	-0.033
7:	-0.377	-0.144
8:	-0.448	-0.316
9:	-0.367	-0.483
10:	-0.212	-0.436

X CENTROID: -0.220
 Y CENTROID: -0.134
 POA TO CENTROID: 0.258
 HORZ SPREAD: 2.116
 VERT SPREAD: 1.246
 GROUP SPREAD: 2.116
 MIN RADIUS: 0.157
 MAX RADIUS: 1.464
 MEAN RADIUS: 0.505
 # IN 1 IN DIAMETER: 7
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348976. 0

TARGET NUMBER: 5

FILE DATE: 12/05/2008

FILE TIME: 08:40

POINT#	X	Y
1:	-1.107	0.273
2:	-0.763	0.090
3:	-0.379	0.280
4:	-0.158	0.729
5:	0.023	0.743
6:	0.047	0.321
7:	0.565	-0.070
8:	0.829	0.047
9:	0.774	0.266
10:	0.700	0.805

X CENTROID: 0.053

Y CENTROID: 0.348

POA TO CENTROID: 0.352

HORZ SPREAD: 1.936

VERT SPREAD: 0.875

GROUP SPREAD: 1.949

MIN RADIUS: 0.028

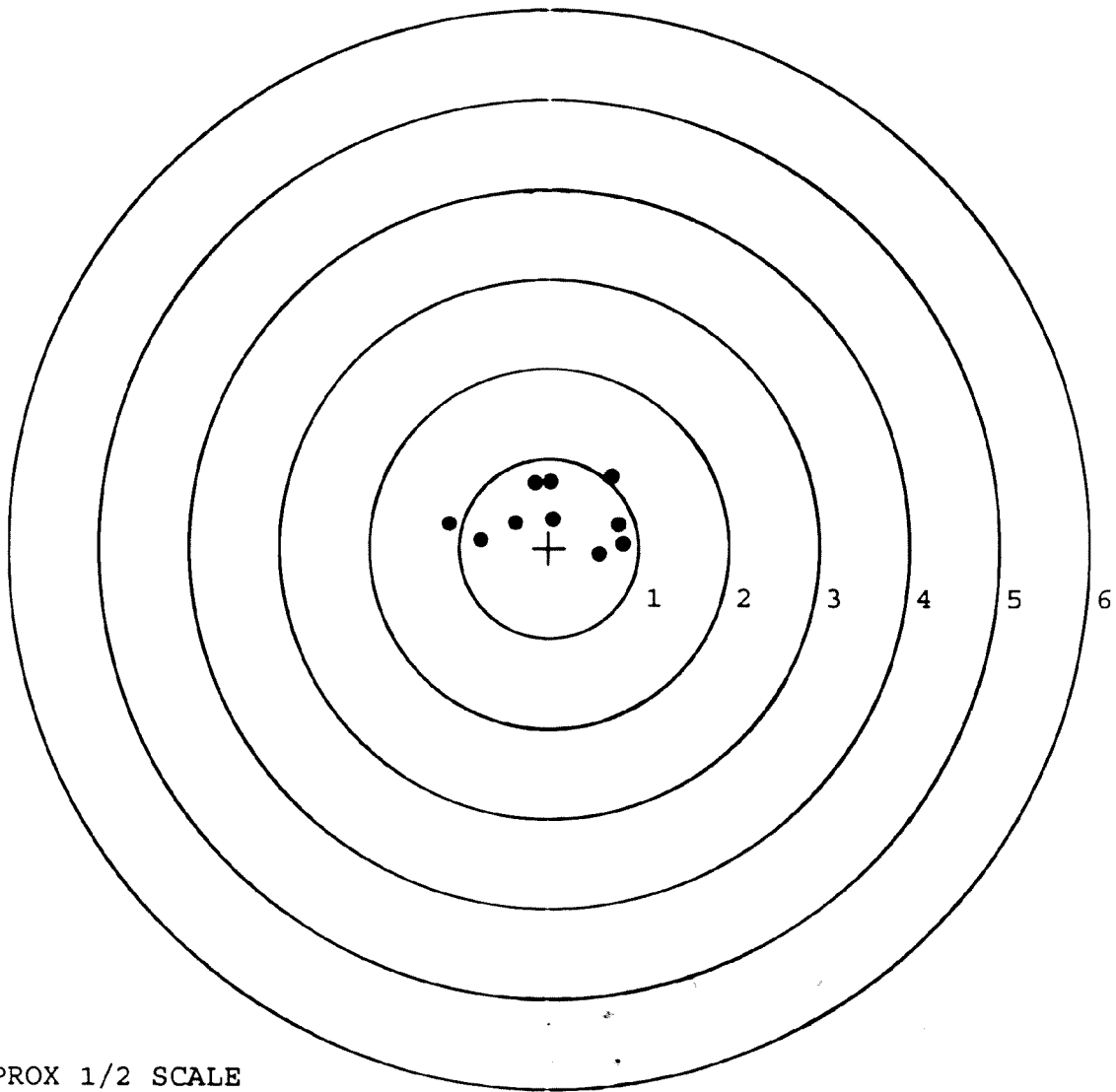
MAX RADIUS: 1.163

MEAN RADIUS: 0.633

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

MODEL 700™ H24

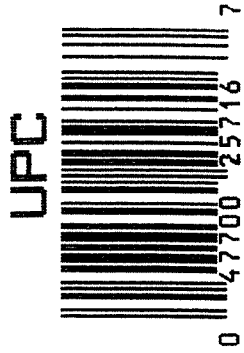
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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

SERIAL NO. C6348976

ORDER NO. 5716

Ø1



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348976

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	Rw
600	Proof	10-9	89	A
607	Check Headspace	10-9	89	Rw
610	Dis-assemble Gun	10-9	89	Rw
612	Magnaflux Barrel Action	REJECT	11/2/89	KCR
	Magnaflux Bolt		11/2/89	KCR
615	Rollmark Caliber			
7	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			
	G) Safety Off Force			
	H) Trigger Pull Test & Retainability			
	I) Firing Pin Indent			
	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			
	C) Function			
660	Pack			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348976

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		11-8 89	RW
600	Proof		11-8 89	RW
607	Check Headspace		11-8 89	RW
610	Dis-assemble Gun		11-8 89	RW
612	Magnaflux Barrel Action		11-9-89	KCR
	Magnaflux Bolt		11-9-89	KCR
615	Rollmark Caliber			
617	Drill and Tap Sight Holes		11 9 89	YB
618	Polish Barrel RB		11 9 89	BT
620	Apply Coatings (Barrel Action)		11-9-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		11/27/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/27/89	RW
	C) Inspect Ejector Hole for Chamfer		11/27/89	RW
	D) Oil Firing Pin Ass'y		11/27/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5 Dec 89	JS

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	5 Dec 89	JSS
	G) Safety Off Force	3	3	3	5 Dec 89	JSS
	H) Trigger Pull Test & Retainability				5 Dec 89	JSS
	I) Firing Pin Indent	.0215	.022	.022	5 Dec 89	JSS
	J) Assemble Stock				12/6/89	RW
	K) Assemble Swivel Studs				7 Dec 89	JSS
	L) Attach Front and Rear Sight Assemblies				12/6/89	RW
	M) Iron Sight Alignment				12/6/89	RW
	N) Detach Front & Rear Sights & place in numbered container				12/6/89	RW
	O) Attach Scope to Rifle				6 Dec 89	JSS
	P) Detach & Attach Scope 20 Times				6 Dec 89	JSS
640	Gallery Target & Test				12-6-89	A
	A) Time				12-6-89	A
	B) Malfunctions				12-6-89	A
	C) Pierced Primers				12-6-89	A
	D) Optical Clarity of Scope				12-6-89	A
645	Inspect for Live Ammo				12-6-89	A
655	Final Inspection				7 Dec 89	JSS
	A) Headspace				7 Dec 89	JSS
	B) Trigger Pull	241	245	222	7 Dec 89	JSS
	C) Function				7 Dec 89	JSS
660	Pack				15 Dec 89	JA

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

SERIAL NO. 6348976DATE 4-6-90TESTER D.H

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.37	2.24	2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.34	2.34	
PULL #3	2.41	2.23	2.36	
PULL #4	2.29	2.21	2.38	
PULL #5	2.33	2.22	2.38	
TOTAL	11.72	11.24	11.93	
AVG.	2.34	2.24	2.38	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.27	3.18	
PULL #2	3.29	3.15	
PULL #3	3.28	3.14	
PULL #4	3.31	3.08	
PULL #5	3.13	3.09	
TOTAL	16.28	15.64	
AVG.	3.25	3.12	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.06		
PULL #2	4.30	4.08		
PULL #3	4.27	4.31		
PULL #4	4.20	4.37		
PULL #5	4.16	4.35		
TOTAL	21.15	21.17		
AVG.	4.23	4.23		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348976
8 Dec 1989

CENTROIDAL DISTANCES

0 TO	1	.529559
1 TO	2	.361565
1 TO	3	1.49922
1 TO	4	.493407
1 TO	5	1.35972

$\begin{matrix} 4 & 1 \\ & +^2 \end{matrix}$
 $\begin{matrix} 5 & 3 \end{matrix}$
 $\leftarrow$ POA

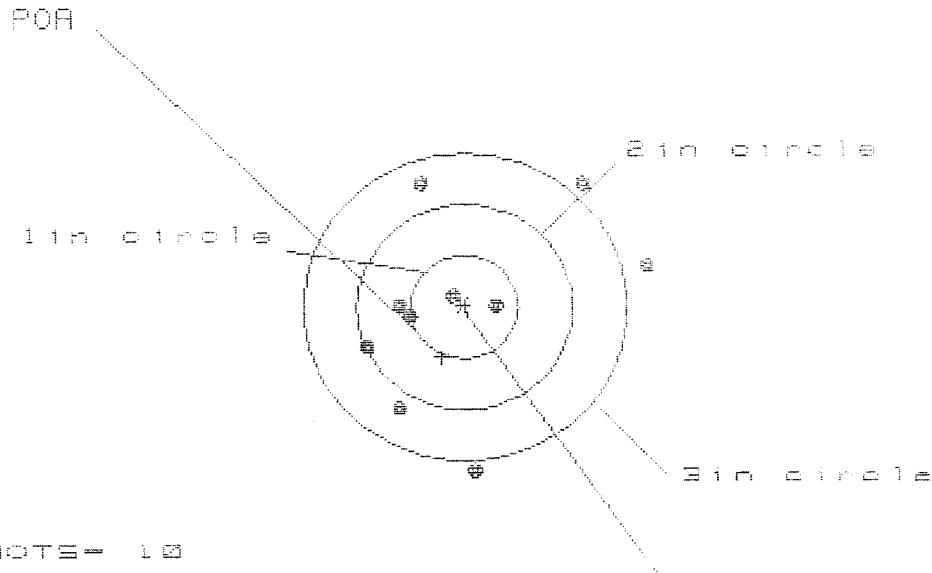
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0136
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.064
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .065429

THE AMR FOR THIS RIFLE IS: 1.067

6 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06348376

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 7

HS= 2.693

VS= 2.793

GS= 2.960

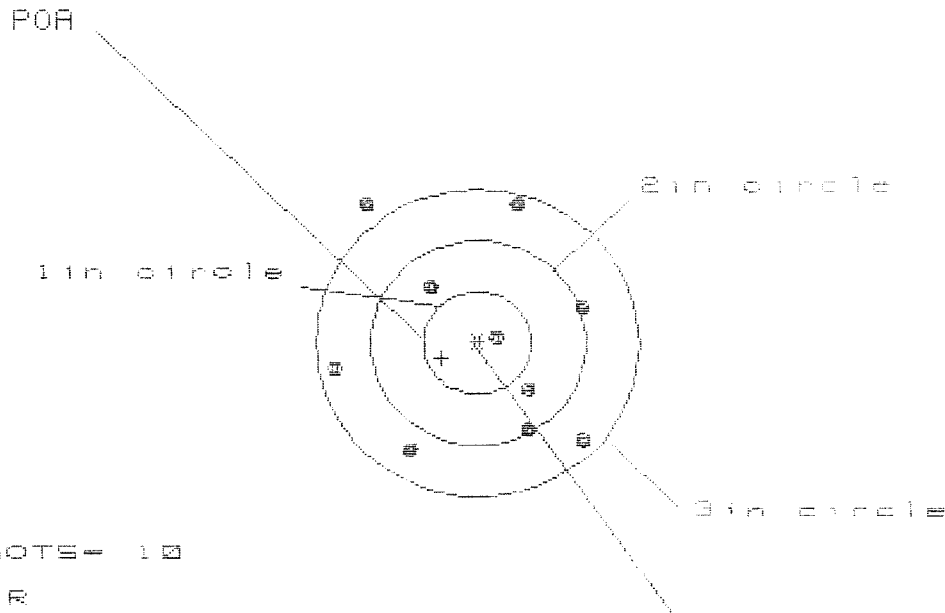
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.738	1.286	.659
MINIMUM X	-.955	-.761	-.601
MAXIMUM Y	1.251	1.297	1.435
MINIMUM Y	-1.542	-1.496	-1.333
CENTROID X	.208	.014	-.146
CENTROID Y	.487	.441	.278
POA TO CENTROID in.	.529	.441	.314
MIN RADIUS	.169	.173	.325
MEAN RADIUS	1.013	.886	.742
MAX RADIUS	1.788	1.826	1.435
HORIZONTAL SPREAD	2.693	2.047	1.260
VERTICAL SPREAD	2.793	2.793	2.768
EXTREME SPREAD	2.960	2.960	2.810
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

6 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08340876

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

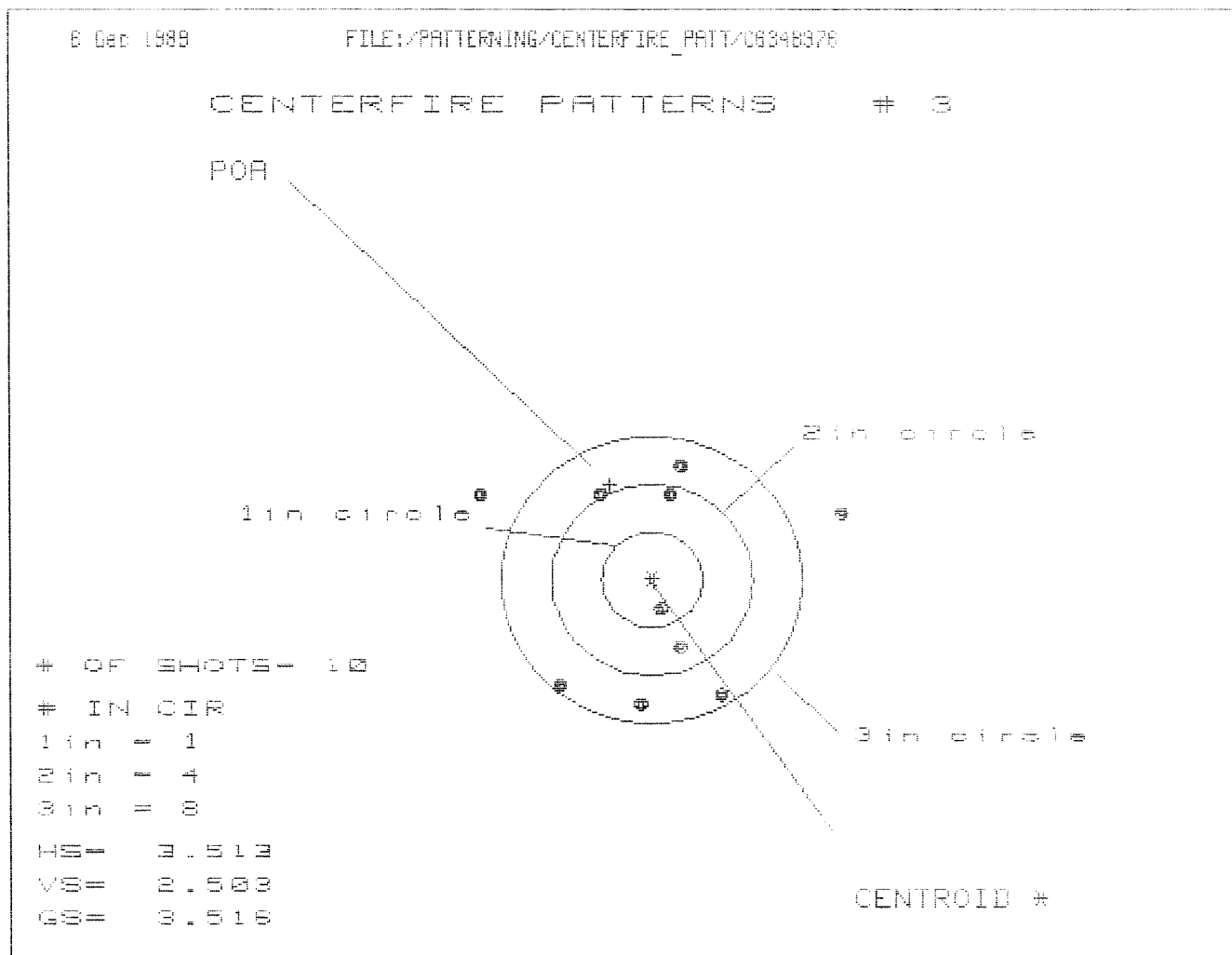
HS = 2.275

VS = 2.397

GS = 3.095

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.970	.854	.889
MINIMUM X	:	-1.305	-1.421	-1.385
MAXIMUM Y	:	1.355	1.502	.861
MINIMUM Y	:	-1.042	-.892	-.704
CENTROID X	:	.331	.447	.411
CENTROID Y	:	.147	-.003	-.191
POA TO CENTROID in.	:	.362	.447	.454
MIN RADIUS	:	.180	.176	.366
MEAN RADIUS	:	1.056	.955	.877
MAX RADIUS	:	1.713	1.529	1.393
HORIZONTAL SPREAD	:	2.275	2.275	2.275
VERTICAL SPREAD	:	2.397	2.394	1.565
EXTREME SPREAD	:	3.095	2.594	2.409
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

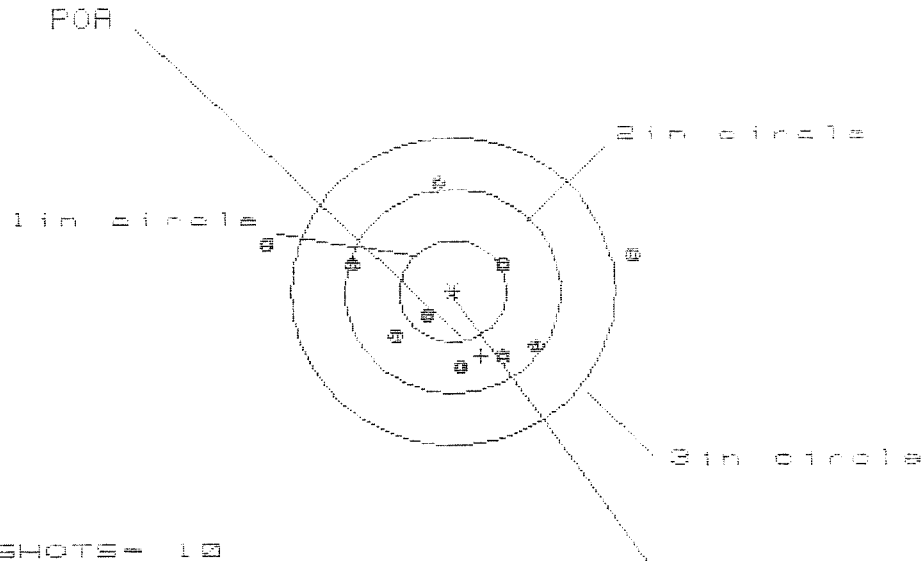


PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.845	.861	.678
MINIMUM X	:	-1.668	-1.464	-.919
MAXIMUM Y	:	1.235	1.316	1.434
MINIMUM Y	:	-1.268	-1.187	-1.069
CENTROID X	:	.414	.209	.392
CENTROID Y	:	-.998	-1.079	-1.197
POA TO CENTROID in.	:	1.080	1.099	1.260
MIN RADIUS	:	.313	.336	.127
MEAN RADIUS	:	1.212	1.119	.993
MAX RADIUS	:	1.984	1.743	1.460
HORIZONTAL SPREAD	:	3.513	2.325	1.597
VERTICAL SPREAD	:	2.503	2.503	2.503
EXTREME SPREAD	:	3.516	3.102	2.595
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

6 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348976

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS = 3.397

VS = 1.737

GS = 3.400

CENTROID #

PATTERN #

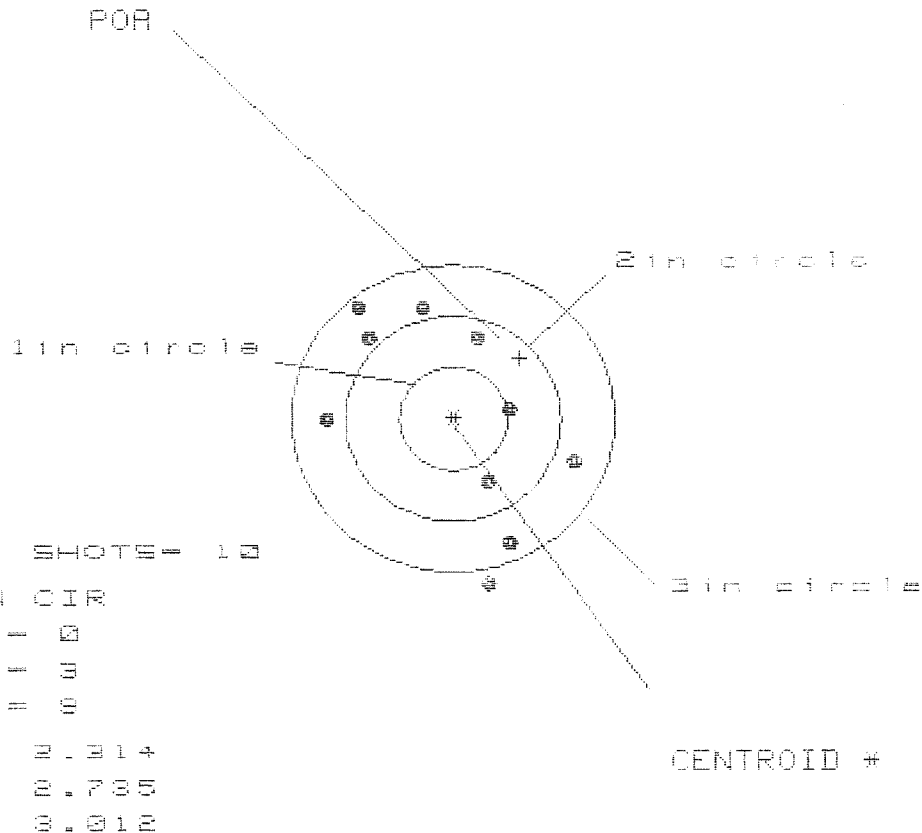
4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.679	1.488	.902
MINIMUM X	-1.718	-1.100	-.914
MAXIMUM Y	1.031	1.087	1.140
MINIMUM Y	-.706	-.650	-.597
CENTROID X	-.263	-.072	-.258
CENTROID Y	.634	.578	.525
POA TO CENTROID in.	.686	.583	.585
MIN RADIUS	.278	.409	.217
MEAN RADIUS	.939	.831	.714
MAX RADIUS	1.790	1.548	1.147
HORIZONTAL SPREAD	3.397	2.588	1.716
VERTICAL SPREAD	1.737	1.737	1.737
EXTREME SPREAD	3.400	2.590	1.882
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

8 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348878

CENTERFIRE PATTERNS # 5



PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.101	1.142	1.035
MINIMUM X	-1.213	-1.172	-1.279
MAXIMUM Y	1.114	.934	1.042
MINIMUM Y	-1.621	-1.438	-1.321
CENTROID X	-.622	-.663	-.556
CENTROID Y	-.590	-.410	-.527
POB TO CENTROID in.	.857	.779	.766
MIN RADIUS	.563	.591	.486
MEAN RADIUS	1.120	1.040	1.001
MAX RADIUS	1.662	1.535	1.389
HORIZONTAL SPREAD	2.314	2.314	2.314
VERTICAL SPREAD	2.735	2.372	2.363
EXTREME SPREAD	3.012	2.750	2.472
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	9		