

C6348815

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Smith
No. 218251

Repair Inquiry

Repair Number: RE00144405

Serial: C6348816 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 4/14/2008 1:18:46 PM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: BROCK BUDDLES

BROCK BUDDLES

Address 1: C CO 1ST BN

C CO 1ST BN

Address 2: 7TH SFG (A)

PO Box:

7TH SFG (A)

PO Box:

City: FT. BRAGG

FT. BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

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
A010	Hard Case	1
A057	Fit and Rear Sgt Base	1
D000	M&RS RAIL	1

Repair Search

Refresh

Close

nagletj

4/14/2008

3:26 PM

NUM



Serial Number: C6348816

Model: M24 SWS



RE00144405

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348816.__0

FILE DATE AND TIME: 05/07/2008 05:01

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.075
The Average Y Centroid of the Five Target Set:	-0.075
The Average Point of Impact of the Five Target Set:	0.106
The Average Mean Radius of the Five Target Set:	0.615
The Distance from POA to Centroid Target #1:	0.109
The Distance from Centroid Target #2 to Centroid Target #1:	0.131
The Distance from Centroid Target #3 to Centroid Target #1:	0.185
The Distance from Centroid Target #4 to Centroid Target #1:	0.144
The Distance from Centroid Target #5 to Centroid Target #1:	0.141

SERIAL NUMBER: C6348816. __0

TARGET NUMBER: 1

FILE DATE: 05/07/2008

FILE TIME: 05:01

X CENTROID: -0.033

Y CENTROID: -0.104

POA TO CENTROID: 0.109

HORZ SPREAD: 1.076

VERT SPREAD: 1.122

GROUP SPREAD: 1.216

MIN RADIUS: 0.138

MAX RADIUS: 0.637

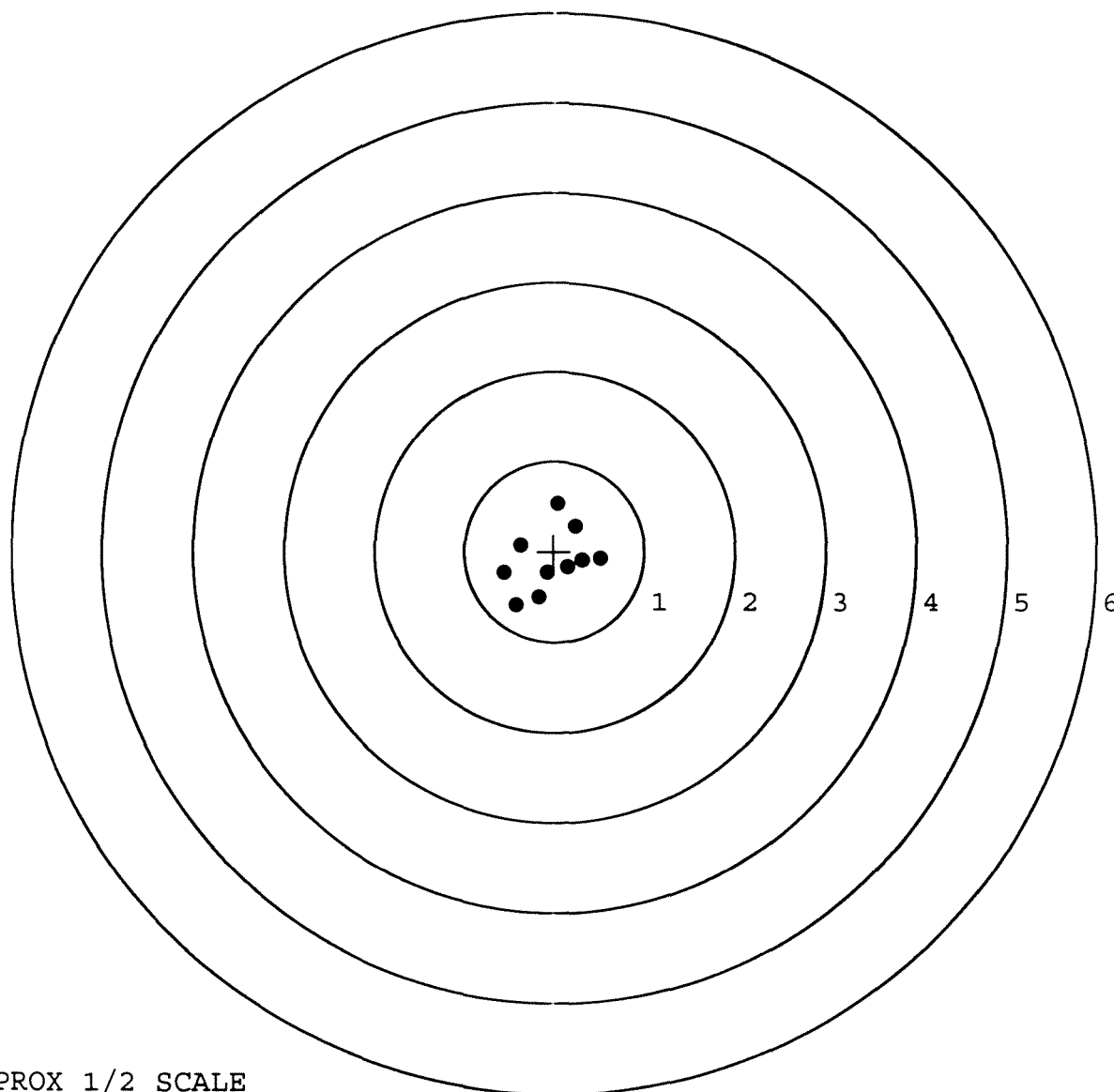
MEAN RADIUS: 0.432

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.425	-0.594
2:	-0.169	-0.510
3:	-0.557	-0.239
4:	-0.370	0.070
5:	-0.080	-0.234
6:	0.157	-0.173
7:	0.314	-0.094
8:	0.236	0.281
9:	0.043	0.528
10:	0.519	-0.076

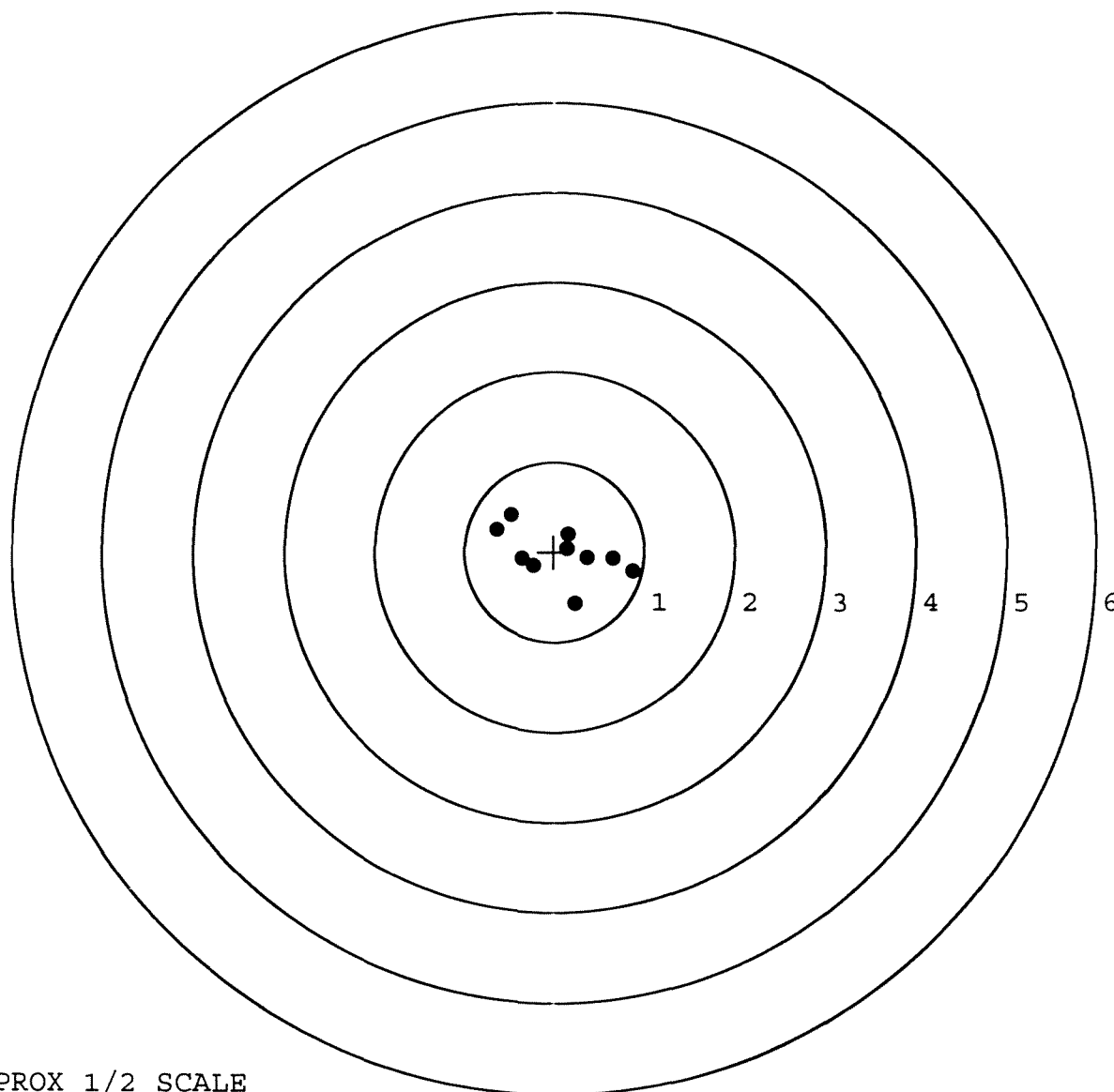


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348816. __0
TARGET NUMBER: 2
FILE DATE: 05/07/2008
FILE TIME: 05:01

POINT#	X	Y
1:	0.874	-0.219
2:	0.657	-0.079
3:	0.236	-0.580
4:	0.161	0.196
5:	0.149	0.035
6:	-0.228	-0.155
7:	-0.354	-0.080
8:	-0.641	0.243
9:	-0.485	0.409
10:	0.373	-0.067

X CENTROID: 0.074
Y CENTROID: -0.030
POA TO CENTROID: 0.080
HORZ SPREAD: 1.515
VERT SPREAD: 0.989
GROUP SPREAD: 1.584
MIN RADIUS: 0.099
MAX RADIUS: 0.822
MEAN RADIUS: 0.486
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

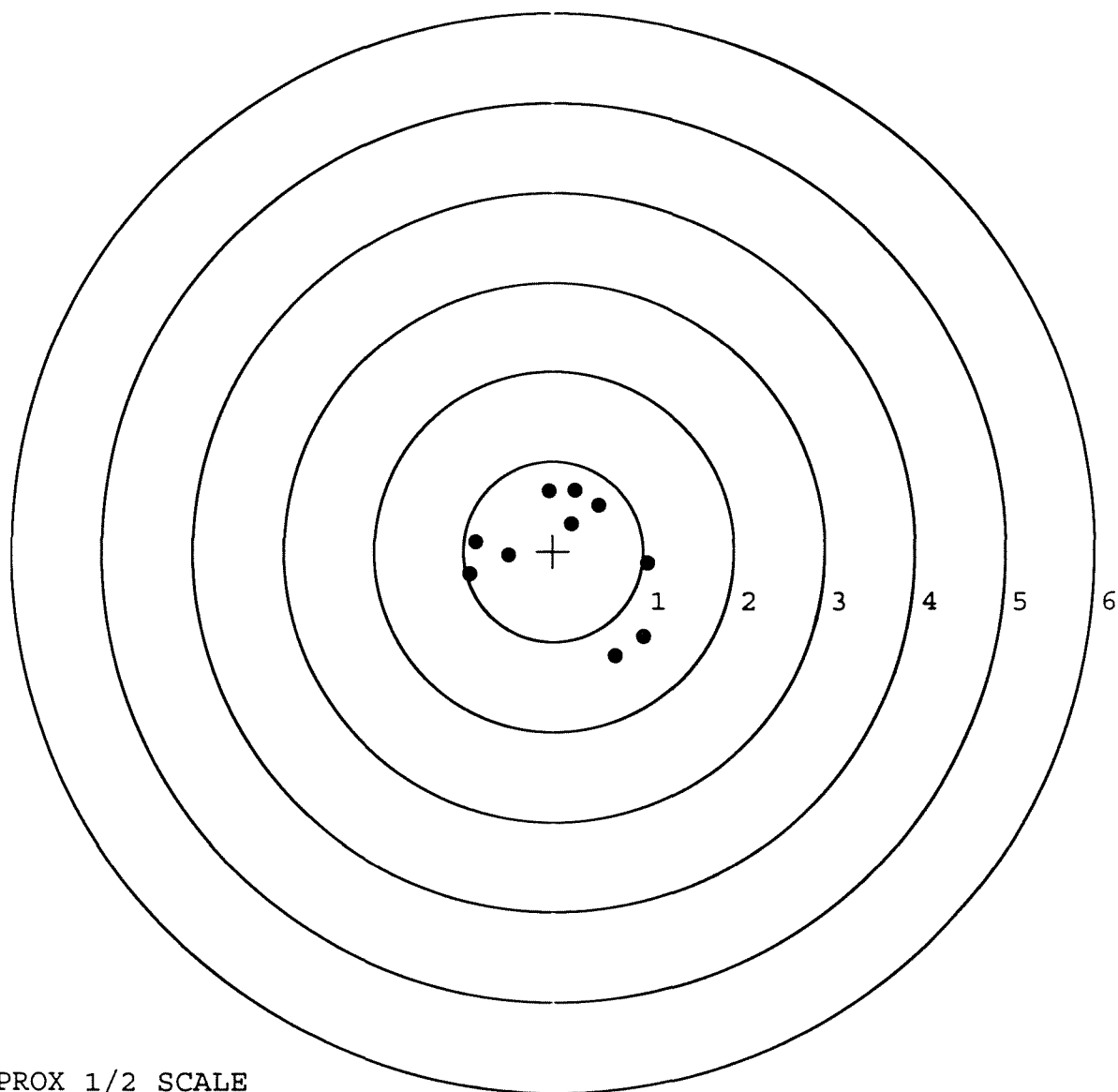


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348816. __0
TARGET NUMBER: 3
FILE DATE: 05/07/2008
FILE TIME: 05:01

X CENTROID: 0.136
Y CENTROID: -0.029
POA TO CENTROID: 0.139
HORZ SPREAD: 1.978
VERT SPREAD: 1.841
GROUP SPREAD: 2.145
MIN RADIUS: 0.341
MAX RADIUS: 1.265
MEAN RADIUS: 0.861
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.005	-0.947
2:	0.692	-1.162
3:	1.048	-0.138
4:	0.506	0.508
5:	0.205	0.305
6:	0.242	0.679
7:	-0.051	0.670
8:	-0.495	-0.050
9:	-0.866	0.103
10:	-0.930	-0.254



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348816. __ 0

TARGET NUMBER: 4

FILE DATE: 05/07/2008

FILE TIME: 05:01

POINT#	X	Y
1:	0.649	-0.689
2:	0.454	-0.559
3:	0.434	-0.351
4:	0.160	-0.504
5:	0.153	-0.188
6:	0.220	0.563
7:	-0.004	0.393
8:	-0.146	0.262
9:	-0.314	0.254
10:	-0.599	0.321

X CENTROID: 0.101

Y CENTROID: -0.050

POA TO CENTROID: 0.112

HORZ SPREAD: 1.248

VERT SPREAD: 1.252

GROUP SPREAD: 1.605

MIN RADIUS: 0.148

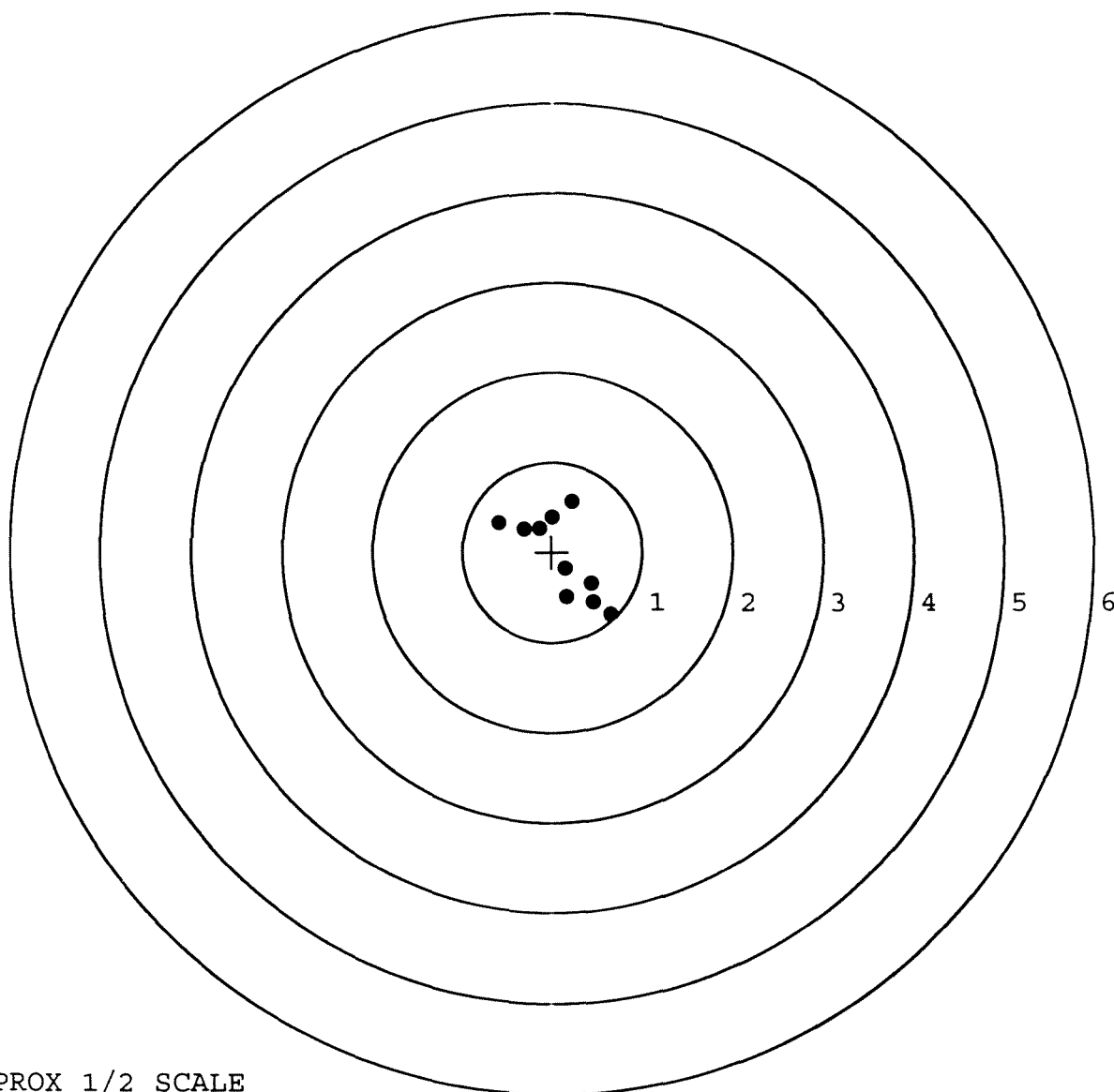
MAX RADIUS: 0.842

MEAN RADIUS: 0.530

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348816. __0

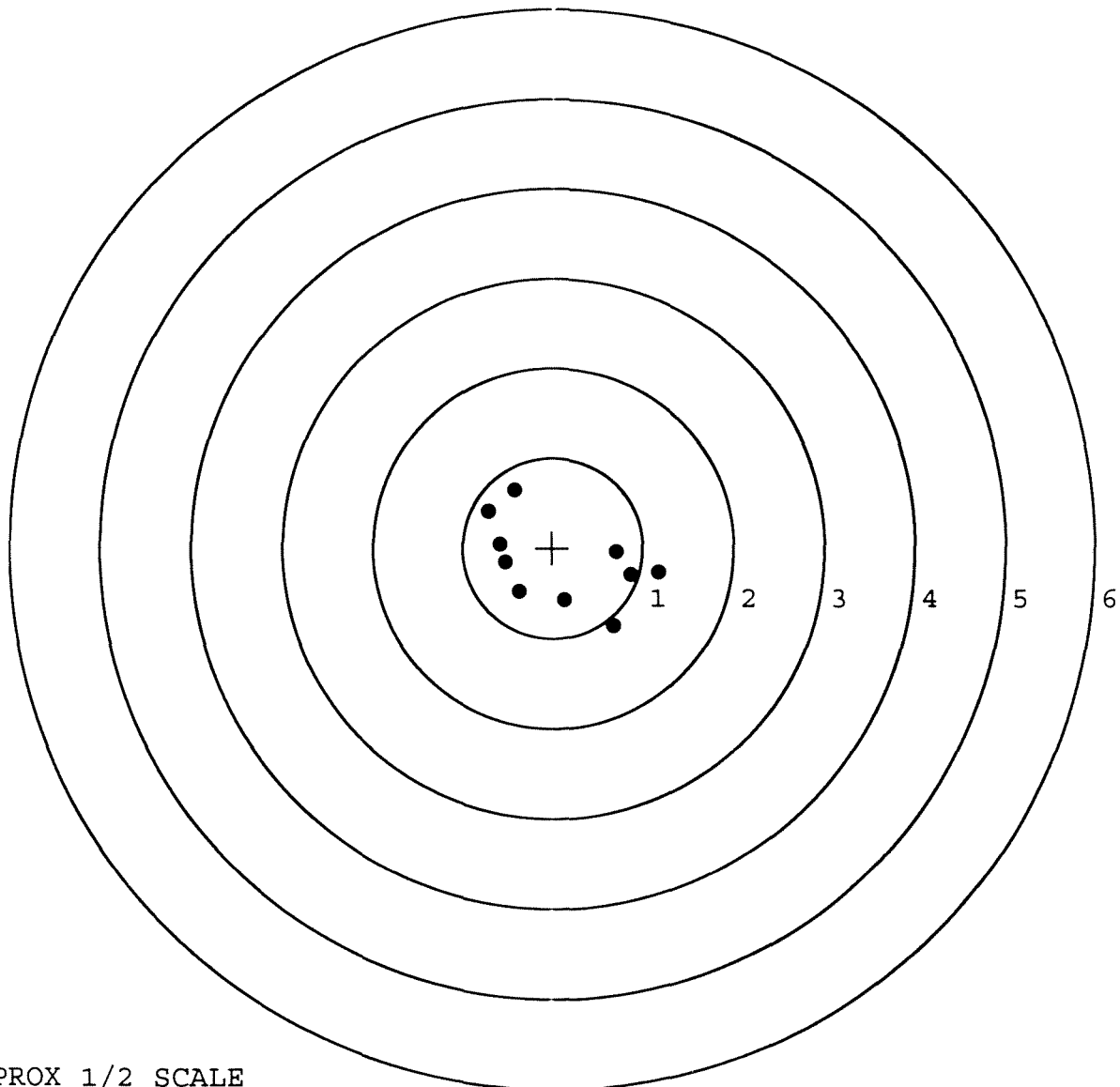
TARGET NUMBER: 5

FILE DATE: 05/07/2008

FILE TIME: 05:01

X CENTROID: 0.096
Y CENTROID: -0.161
POA TO CENTROID: 0.187
HORZ SPREAD: 1.893
VERT SPREAD: 1.499
GROUP SPREAD: 2.009
MIN RADIUS: 0.422
MAX RADIUS: 1.085
MEAN RADIUS: 0.767
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.175	-0.269
2:	0.872	-0.294
3:	0.707	-0.041
4:	0.678	-0.861
5:	0.138	-0.581
6:	-0.368	-0.489
7:	-0.522	-0.165
8:	-0.585	0.044
9:	-0.718	0.405
10:	-0.422	0.638



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)

DATE 1-9-08

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.80	2.26		2.41	
PULL #2	2.65	2.19		2.36	
PULL #3	2.77	2.10		2.30	
PULL #4	2.64	2.41		2.34	
PULL #5	2.51	2.12		2.33	
TOTAL	13.37	11.08		11.74	
AVERAGE	2.67	2.21		2.34	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.24		
PULL #2	3.01	3.15		
PULL #3	3.10	3.32		
PULL #4	3.13	3.15		
PULL #5	3.14	3.27		
TOTAL	15.48	16.13		
AVERAGE	3.09	3.22		

	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	4.22	4.11		4.33
PULL #2	4.34	4.13		4.38
PULL #3	4.44	4.24		4.53
PULL #4	4.48	4.28		4.20
PULL #5	4.32	4.15		4.51
TOTAL	21.80	20.91		21.95
AVERAGE	4.36	4.18		4.39

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

P & B NUMBER 144405
SERIAL NUMBER C6348816
LOG-IN DATE 4-14-08

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		4-17-08	RTZ
505	RE-BARREL		4-22-08	RTZ
560	ASSEMBLE		4-22-08	RTZ
600	PROOF	MAGNA - FLUX	4-22-08	TRW
605	CHECK HEADSPACE	APR 24 2008	4-22-08	TRW
610	DIS-ASSEMBLE GUN		4-22-08	RTZ
612	MAGNAFLUX	OPERATOR <u>unus</u>	5/24/08	unus
510	DRILL AND TAP		4-22-08	TRW
615	ROLLMARK CALIBER		4-23-08	CW
618	ROTO-BLAST		4-24-08	DS
620	APPLY COATINGS		4-28-08	CW
625	FINAL ASSEMBLY		4-30-08	RTZ
640	FUNCTION TEST AND	PASS FAIL	5-6-08	R.P.D.
650	TARGET	PASS FAIL	5-6-08	R.P.D.
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	5-6-08	RP
670	FINAL INSPECTION A) HEADSPACE	PASS FAIL	5-7-08	TRW
	B) TRIGGER PULL	2.26 2.24 2.33 2.33 2.26	5/7/08	Fm
	F) SAFETY ON FORCE	6.0 6.0 6.0	5-7-08	TRW
	G) SAFETY OFF FORCE	2.5 3.0 2.75	5-7-08	TRW
	I) FIRING PIN INDENT	.020 ^S .021 .020	5-7-08	TRW
690	PACK		5/8/08	Fm

Start | Mail | Inbo | Nag | Mic | Expl | JAT | Par | SAP | VAI | 2:54 PM | 1/29/01 | 2:54 PM

Repair Search

Close Refresh

Accessories Received

Code	Detc	Qty
A007	With Stud	1
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A033	Non-Bolt-Lock Safety	1

Received Condition

Condition Notes

CSH Notes

Contact Information

Phone

Fax

Email

Comments

Contact / Condition

Problem

Estimate

History / Status

Shipping / Billing

Address Information

Customer

Name

Address 1

Address 2

City

State

Zip Code

Country

Received From

Return To

COMMANDER 1ST BN 7TH SFG (A)

ATTN: AOSO SFB F S4

PO Box

FT BRAGG

NC

State

Zip Code

Country

Received From

Return To

COMMANDER 1ST BN 7TH SFG (A)

ATTN: AOSO SFB F S4

PO Box

FT BRAGG

NC

State

Zip Code

Country

Repair Number

RE00021905

Verify Repair

Status

New 1/29/01 2:46:44 PM

Repairman

Serial C6348816 Model 700 Center Fire Caliber 7.62 NATO M-24 (SWS)

Serial Number: **C6348816**

Model: **700**



RE00021905

99-20919

FD-6925 REV. 7/97

M2400038912

CDR

1ST BN 7TH SFG(A)

BLDG E-3622

FT. BRAGG NC 28307

432-9-6716/7158 DSN 239-6716/7158

CDR

1ST BN 7TH SFG(A)

BLDG E-3622

FT. BRAGG NC 28307

432-9-6716/7158 DSN 239-6716/7158

EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET

For use of this form, see DA PAM 735-760 and 735-761; the proponent agency is DCSLOG NSN 1005-01-240-2136

1. ORGANIZATION

HSC / 1ST BN / 7TH SPECIAL FORCES GROUP

2. NOMENCLATURE AND MODEL

M24 SNIPER SYSTEM

3. REGISTRATION/SERIAL/NSN

C 6348816 / 89 0200

4a. MILES

b. HOURS

c. ROUNDS FIRED

d. HOT STARTS

5. DATE

20 SEP 92

6. TYPE INSPECTION

PMCS

7.

APPLICABLE REFERENCE

TM NUMBER

9-1005-306-10

TM DATE

JUN 89

TM NUMBER

TM DATE

COLUMN a - Enter TM item number.

COLUMN b - Enter the applicable condition status symbol.

COLUMN c - Enter deficiencies and shortcomings.

COLUMN d - Show corrective action for deficiency or shortcoming listed in Column c.

COLUMN e - Individual ascertaining completed corrective action initial in this column.

STATUS SYMBOLS

"X" - Indicates a deficiency in the equipment that places it in an inoperable status.

CIRCLED "X" - Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished.

HORIZONTAL DASH "-" - Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.

DIAGONAL "/" - Indicates a material defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable.

LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL - Indicates that a completely satisfactory condition exists.

FOR AIRCRAFT - Status symbols will be recorded in red.

ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.

8a. SIGNATURE (Person(s) performing inspection)

8b. TIME

9a. SIGNATURE (Maintenance Supervisor)

9b. TIME

10. MANHOURS REQUIRED

K O J

COORD

TM ITEM NO.

STATUS

DEFICIENCIES AND SHORTCOMINGS

CORRECTIVE ACTION

INITIAL WHEN CORRECTED

c

b

c

d

e

X

EXTRACTOR WONT EXTRACT

SERIAL NUMBER C6348816

INCLUDING M3A SCOPE

SER. NUMBER 89 0200

DATE: 19990920

MAINTENANCE REQUEST

DA FORM 5990-E

CUSTOMER DATA

UIC: WHOZAA
UTIL CODE: 0

1ST BN 7TH SFG (A)

PHONE: (910)432-4749

ACTIVITY DATA

SUP WON: 6977
SUP UIC: WDMZB0

B CO 528TH SPT BN

PHONE: 432-5163
SHOP SEC: 5

EQUIPMENT DATA

TYPE MNT REQ: 1

ID: A NSN: 1005012402136

MODEL: M24

NOUN: M24 RIFLE

SER NUM: 6348816

QTY: 00001

ORG WON: H0ZAA1902609 PRIORITY: 02

FAILURE DETECTED: H

MI/KM: -----

HOURS: -----

ROUNDS:

IN WARRANTY:

LEVEL OF WORK: F

ADMIN NUM:

DEFICIENCY: EXTRACTOR BROKEN

PD AUTHENTICATING SIGNATURE:

SIGNATURE DATA

SUBMITTED BY: K02

ORD DATE: 99264

MIL TIME:

ACCEPTED BY:

STATUS: A

ORD DATE:

MIL TIME:

ACTION DATA

WORK STARTED BY:

STATUS:

ORD DATE:

MIL TIME:

INSPECTED BY:

STATUS:

ORD DATE: 99264

MIL TIME:

PICKED UP BY:

STATUS:

ORD DATE: 9264

MIL TIME:

COMPLETION DATA

QTY RPR:

QTY CONDEMNED:

NRTS:

EVAC WON:

EVAC UNIT NAME:

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348816

9 Feb 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0094

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1154

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .115782

THE AMR FOR THIS RIFLE IS: 1.194

CENTROIDAL DISTANCES

0 TO	1	.0888651
1 TO	2	.156157
1 TO	3	.26992
1 TO	4	.543162
1 TO	5	.164451

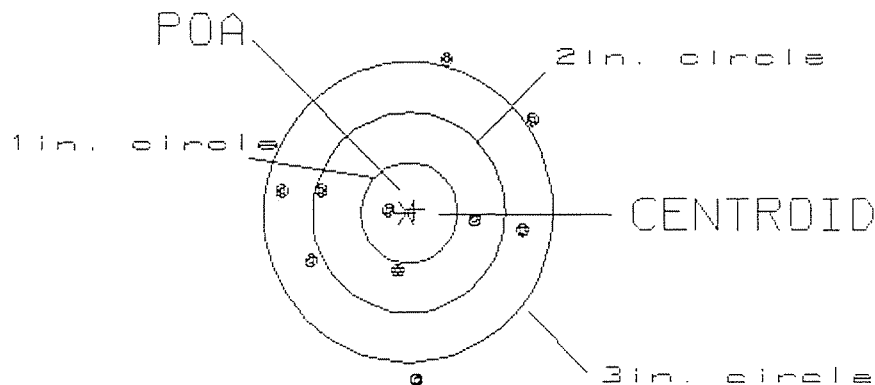
3
1+5 <----POA
2
4

PATTERN #: 1
 POA TO CENTROID: .089
 MIN RADIUS : .259
 MEAN RADIUS : 1.099
 MAX RADIUS : 1.653
 CENTROID X : -.084
 CENTROID Y : -.029

9 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348816.1.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.54
 VS= 3.17
 GS= 3.18

1
 4
 7

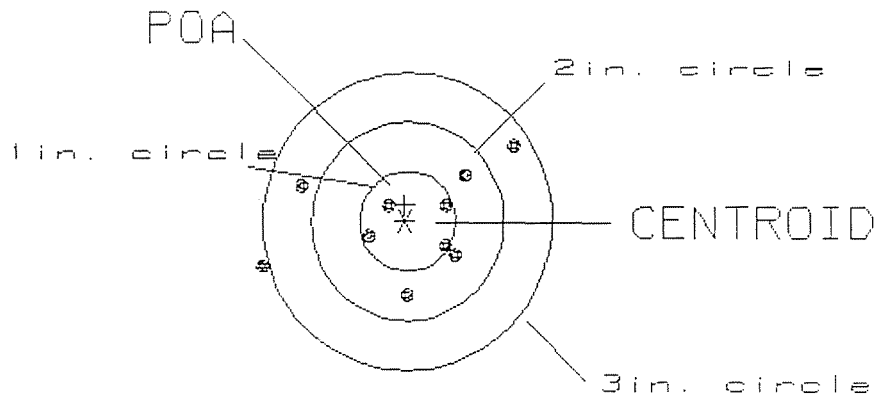
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .158
 MIN RADIUS : .216
 MEAN RADIUS : .770
 MAX RADIUS : 1.537
 CENTROID X : .004
 CENTROID Y : -.158

9 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348816.1.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.59

4

VS= 1.46

7

GS= 2.83

9

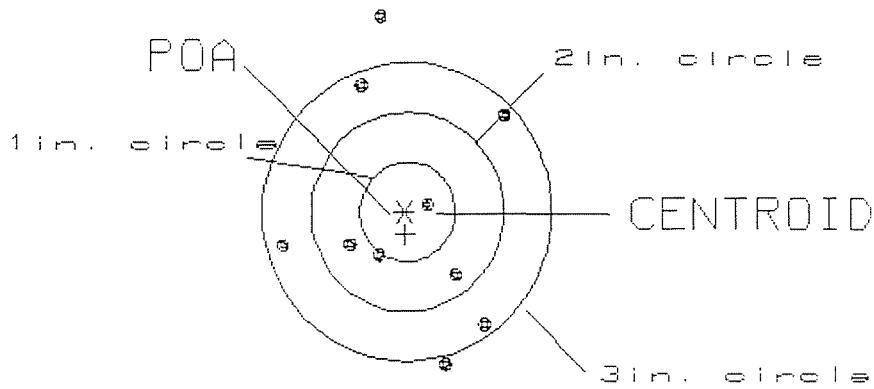
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .230
 MIN RADIUS : .239
 MEAN RADIUS : 1.121
 MAX RADIUS : 2.008
 CENTROID X : -.008
 CENTROID Y : .230

9 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348816.1.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.28
 VS= 3.46
 GS= 3.55

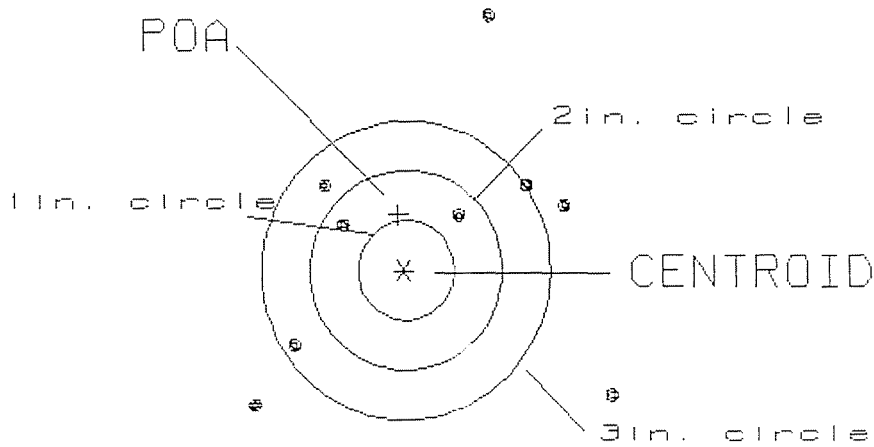
2
 4
 8

PATTERN #: 4
 POA TO CENTROID: .556
 MIN RADIUS : .796
 MEAN RADIUS : 1.810
 MAX RADIUS : 3.401
 CENTROID X : .059
 CENTROID Y : -.553

9 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348816.1.1

CENTERFIRE PATTERN # 4



# OF SHOTS= 10	# IN CIRCLE
HS= 4.38	0
VS= 5.05	2
GS= 5.96	4

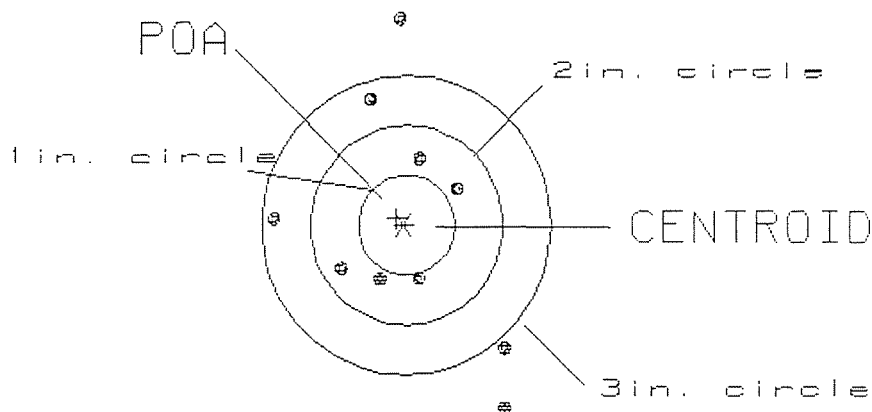
PATTERN #: 5

POA TO CENTROID: .101
 MIN RADIUS : .547
 MEAN RADIUS : 1.172
 MAX RADIUS : 2.083
 CENTROID X : .076
 CENTROID Y : -.067

9 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348816.1.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.43

0

VS= 3.91

5

GS= 4.05

7

21 DAY TURN - AROUND

M-24

CONTRACT # DAAA09-92-C-0834

R&E NO.

SERIAL NO.

C6348816

LOG IN DATE: / /		DATE	INIT.
INSPECT & VERIFY:			
OP. #	OP. NAME		
550	DIS-ASSEMBLE GUN		
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL & TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	12-13-99	RW
605	CHECK HEADSPACE	12-13-99	RW
610	DIS-ASSEMBLE		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY ON FORCE		
D	SAFETY OFF FORCE		
E	FIRING PIN INDENT		
640	TARGET	2-3-00	RW
655	FINAL INSPECT	2-8-00	RW
660	PACK		
QAR INSPECTION		SHIP DATE	

Final Inspection

S.N: C6348816

DATE REC'D: 10-25-99

DATE RET'D:

AUDITOR: RW

Item:

BARREL ASSY.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

SCOPE ASSY.

- ☒ SCOPE
- ☒ SCOPE RINGS
- ☒ MOUNTING SCREWS
- ☒ MOUNTING BASE
- ☒ SCREWS
- ☒ FINISH
- ☒ LOOSENESS
- ☒ CLARITY

MISC.

- ☐ DD-250
- ☐ BAR CODE
- ☐ PACKAGING

Item:

STOCK ASSY.

- ☒ STOCK
- ☒ SLING SWIVEL STUDS
- ☒ ADJUSTABLE BUTT PLATE
- ☒ LOCK NUTS
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

SYSTEMS CASE

- ☐ SCOPE CASE
- ☐ IRON SIGHTS
- ☐ DEPLOYMENT KIT

TRIGGER

- ☒ SAFETY OPERATION
- ☒ SET
- ☐

Comments

Remington



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

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

MODEL 700™ H2A

SERIAL NO.
C6348816

ORDER NO.
5716

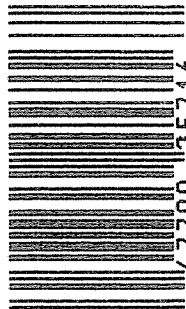
Ø1

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



5716 C6348816

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348816

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 12 89		RW
600	Proof	6 12 89		RW
607	Check Headspace	6 12 89		RW
610	Dis-assemble Gun	12 89		RW
612	Magnaflux Barrel Action	6/21/89		KCR
	Magnaflux Bolt	6/21/89		KCR
615	Rollmark Caliber	6/21/89		LS
617	Drill and Tap Sight Holes	6 26 89		J.B.
618	Polish Barrel	6 26 89		BT.
620	Apply Coatings (Barrel Action)	7-12-89		TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly	7/14/89		RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head	7/14/89		LW
	C) Inspect Ejector Hole for Chamfer	7/14/89		RW
	D) Oil Firing Pin Ass'y	7/14/89		LW
	E) Adjust Trigger Pull to Min Setting and Stake	18 July 89		LS

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	18 July 89	JS
	G) Safety Off Force	3	3	3	18 July 89	JS
	H) Trigger Pull Test & Retainability				18 July 89	JS
	I) Firing Pin Indent	.021	.021	.021	18 July 89	JS
	J) Assemble Stock				7/18/89	RW
	K) Assemble Swivel Studs				26 July 89	JS
	L) Attach Front and Rear Sight Assemblies				7/18/89	RW
	M) Iron Sight Alignment				7/18/89	RW
	N) Detach Front & Rear Sights & place in numbered container				7/18/89	RW
	O) Attach Scope to Rifle				7/19/89	JS
	P) Detach & Attach Scope 20 Times				7/20/89	JS
640	Gallery Target & Test	78R	73L		7-25-89	DA
	A) Time				7-25-89	DA
	B) Malfunctions				7-25-89	DA
	C) Pierced Primers				7-25-89	DA
	D) Optical Clarity of Scope				7-25-89	DA
645	Inspect for Live Ammo				7-25-89	DA
655	Final Inspection					
	A) Headspace				26 July 89	JS
	B) Trigger Pull	2.11	2.25	2.26	2.69 2.57	26 July 89 JS
	C) Function				26 July 89	JS
660	Pack				20 Sept 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. 8816

DATE 4-3-98

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.35		2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.24	2.22		2.43	
PULL #3	2.24	2.31		2.38	
PULL #4	2.27	2.28		2.28	
PULL #5	2.36	2.30		2.39	
TOTAL	11.44	11.46		11.86	
AVG.	2.288	2.292		2.372	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.24		
PULL #2	3.19	3.30		
PULL #3	3.25	3.25		
PULL #4	3.25	3.25		
PULL #5	3.34	3.40		
TOTAL	16.44	16.44		
AVG.	3.288	3.288		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.30		
PULL #2	4.31	4.31		
PULL #3	4.20	4.27		
PULL #4	4.30	4.40		
PULL #5	4.21	4.27		
TOTAL	21.25	21.55		
AVG.	4.25	4.31		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348816
25 Jul 1989

CENTROIDAL DISTANCES

0 TO	1	.529417
1 TO	2	.455089
1 TO	3	.293656
1 TO	4	1.02732
1 TO	5	1.09816

13⁴ 5 <----POA

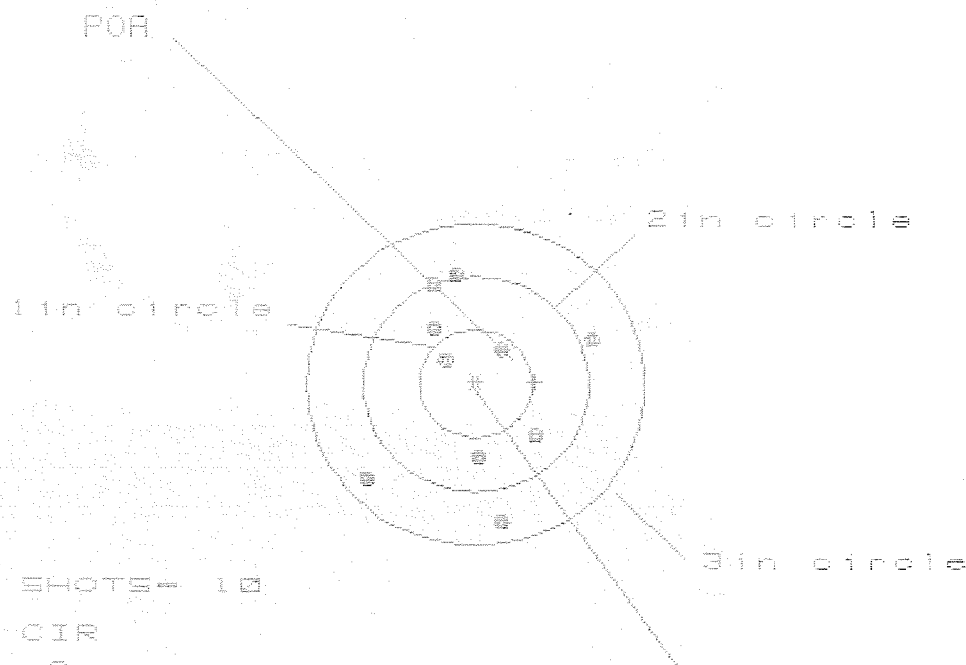
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0062
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1442
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .144333
THE AMR FOR THIS RIFLE IS: .9692

25 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0834B816

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.041

VS= 2.320

CS= 2.467

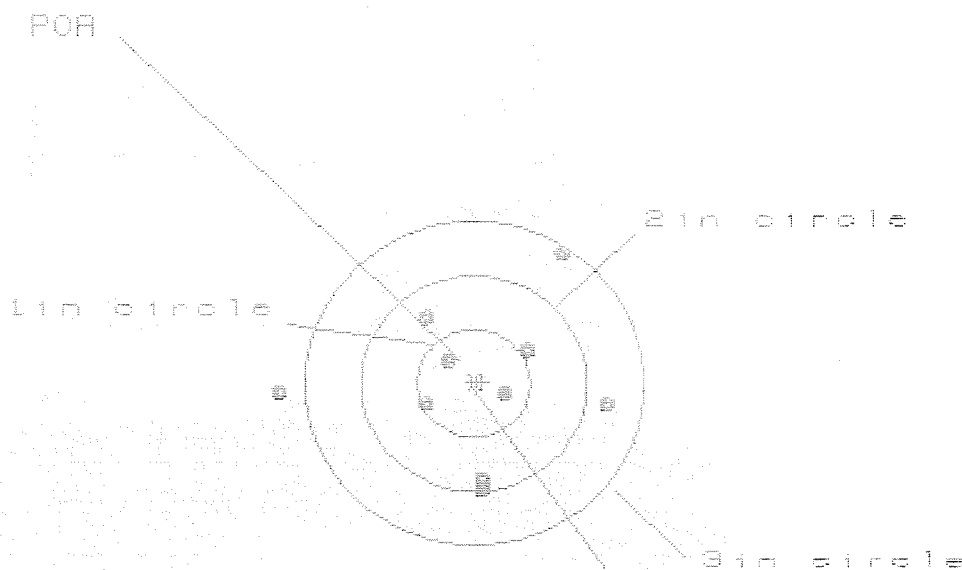
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.043	.932	.944
MINIMUM X	-.998	-.475	-.463
MAXIMUM Y	1.014	.911	.735
MINIMUM Y	-1.306	-1.409	-.941
CENTROID X	-.529	-.418	-.430
CENTROID Y	-.021	.082	.258
POA TO CENTROID in.	.529	.426	.501
MIN RADIUS	.354	.236	.171
MEAN RADIUS	.857	.782	.673
MAX RADIUS	1.358	1.412	.962
HORIZONTAL SPREAD	2.041	1.407	1.487
VERTICAL SPREAD	2.320	2.320	1.676
EXTREME SPREAD	2.467	2.347	1.688
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

25 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346818

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.935

VS= 2.250

GS= 2.938

CENTROID #

PATTERN # 2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.202	1.010	1.080
MINIMUM X	-1.732	-0.630	-0.560
MAXIMUM Y	1.237	1.231	0.771
MINIMUM Y	-1.013	-1.019	-0.865
CENTROID X	-0.074	0.118	0.048
CENTROID Y	-0.012	-0.006	-0.160
POA TO CENTROID in.	0.075	0.118	0.167
MIN RADIUS	0.233	0.076	0.133
MEAN RADIUS	0.856	0.745	0.665
MAX RADIUS	1.733	1.354	1.081
HORIZONTAL SPREAD	2.935	1.640	1.640
VERTICAL SPREAD	2.250	2.250	1.636
EXTREME SPREAD	2.938	2.358	1.828
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

25 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0834B816

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.517

VS= 2.945

CS= 2.971

CENTROID #

PATTERN #

3

SHOTS (BEST OF)

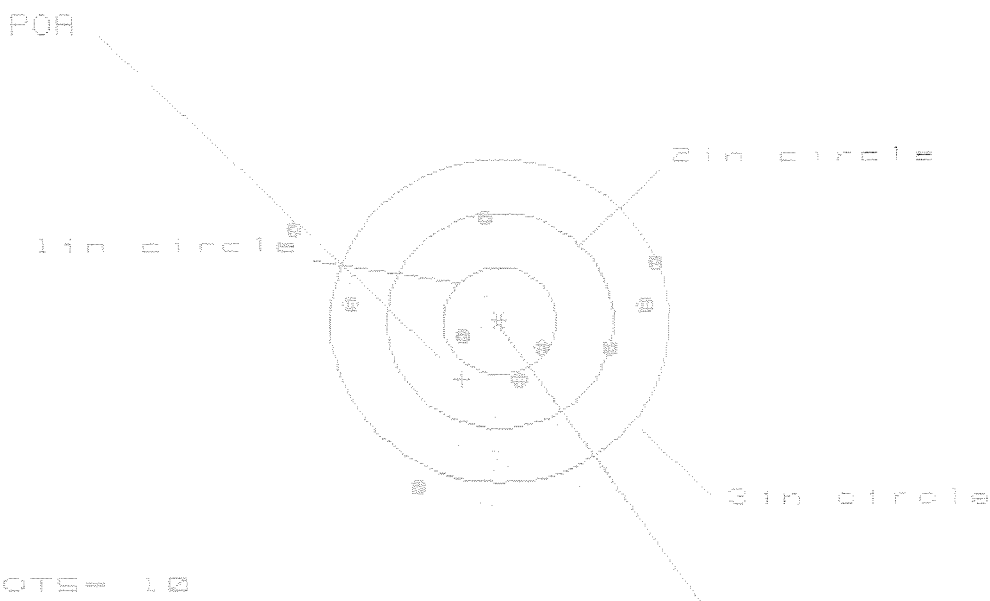
	10	9	8
MAXIMUM X	1.341	1.276	1.244
MINIMUM X	-1.176	-1.241	-1.273
MAXIMUM Y	1.443	1.576	1.408
MINIMUM Y	-1.502	-1.342	-1.092
CENTROID X	-.254	-.189	-.157
CENTROID Y	.082	-.078	.090
POA TO CENTROID in.	.267	.265	.181
MIN RADIUS	.381	.512	.393
MEAN RADIUS	1.044	.987	.915
MAX RADIUS	1.556	1.578	1.409
HORIZONTAL SPREAD	2.517	2.517	2.517
VERTICAL SPREAD	2.945	2.918	2.500
EXTREME SPREAD	2.971	2.988	2.517
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

25 Jul 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6340816

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HE= 3.209

VS= 2.492

CS= 3.231

CENTROID #

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.413	1.214	1.100
MINIMUM X	-1.796	-1.489	-1.603
MAXIMUM Y	.987	1.085	.909
MINIMUM Y	-1.505	-1.407	-.654
CENTROID X	.329	.528	.642
CENTROID Y	.544	.446	.622
POR TO CENTROID in.	.636	.692	.894
MIN RADIUS	.351	.215	.284
MEAN RADIUS	1.112	.974	.887
MAX RADIUS	1.999	1.674	1.504
HORIZONTAL SPREAD	3.209	2.783	2.783
VERTICAL SPREAD	2.492	2.492	1.563
EXTREME SPREAD	3.231	2.922	2.728
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		7	

25 JUL 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CB34B816

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HG= 2.225

VG= 2.489

GG= 3.147

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.153

1.038

1.134

MINIMUM X

-1.072

-1.187

-1.091

MAXIMUM Y

1.423

.871

.758

MINIMUM Y

-1.066

-.908

-.684

CENTROID X

.559

.674

.578

CENTROID Y

.128

-.036

.083

POA TO CENTROID in.

.573

.675

.584

MIN RADIUS

.988

.957

.482

MEAN RADIUS

.977

.851

.819

MAX RADIUS

1.763

1.355

1.364

HORIZONTAL SPREAD

2.225

2.225

2.225

VERTICAL SPREAD

2.489

1.779

1.442

EXTREME SPREAD

3.147

2.512

2.297

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

9

RECEIVING AND ESTIMATING REPORT

R 97-05075

WOG 3 OF 16

INITIAL CUSTOMER ORDER NO.

JJM 611945

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
02/25/97	02/25/97	PJ 6-89	C6348816		700 7.62 NATO

ACCESSORIES SCOPE BASE W/STUDS

FROM:

SHIP TO:

CDR, HSC
1/7 SFG (A)
FT BRAGG

NC 28307

CDR, HSC
1/7 SFG (A)
FT BRAGGNC
28307

CUST NO: 162915 C.O.D.

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

DOOR

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

W 52 H 0 9 9 108 # 242

PARTS

COMMENTS

Barrel - 96003

Re powder Coat Trigger Group
Assy, Front & Rear Sight Base
Re Zinc Scope Base &
Swivel Studs

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD5925 REV. 11/96

Final Inspection

Sn: C6348816 DATE REC'D: 1/25/97 DATE RET'D:

Auditor: *AW*

Item:

Barrel Assy.

☒ BARREL

☒ RECEIVER

☒ FRONT SIGHT BLOCK

☒ REAR SIGHT BLOCK

☒ SCREWS

☒ FINISH

Scope Assy.

☐ Scope

☐ Scope Rings

☐ Mounting Screws

☒ Mounting Base

☒ Screws

☐ Finish

☐ Looseness

☐ Clarity

Misc.

☐ DD-250

☐ BAR CODE

☐ PACKAGING

Item:

Stock Assy.

☒ Stock

☒ Sling Swivel Studs

☒ ADJUSTABLE Butt PLATE

☒ Lock Nuts

☒ BARREL CLEARANCE

☒ COLOR/FINISH

Systems Case

☐ Scope Case

☐ Iron SIGHTS

☐ Deployment Kit

Trigger

☒ SAFETY OPERATION

☒ SET

Comments: _____

21 DAY TURN - AROUND

Barrel

M-24

CONTRACT # DAAA09-92-C-0834

R&E NO.

SERIAL NO.

C6348816

LOG IN DATE: / /

DATE

INT.

INSPECT & VERIFY:

OP. #

OP. NAME

550

DIS-ASSEMBLE GUN

560 A

RE-BARREL AT CUSTOM SHOP

B

DRILL & TAP

C

POLISH

575

ASSEMBLE

600

PROOF

3/3/97

RW

605

CHECK HEADSPACE

610

DIS-ASSEMBLE

612

MAGNAFLUX

615

ROLLMARK CALIBER

618

ROTO-BLAST

620

APPLY COATINGS

625 A

FINAL ASSEMBLY

B

TRIGGER PULL TEST

C

SAFETY ON FORCE

D

SAFETY OFF FORCE

E

FIRING PIN INDENT

640

TARGET

3/26/97
4/10/97

RW

655

FINAL INSPECT

660

PACK

QAR INSPECTION

SHIP DATE

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6348816
2 Apr 1997

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.182
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1276
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .222274

THE AMR FOR THIS RIFLE IS: 1.262

CENTROIDAL DISTANCES

Ø TO	1	.1814
1 TO	2	.223233
1 TO	3	.24713
1 TO	4	.308691
1 TO	5	.593507

5 3 1 + 4 <----POA
2

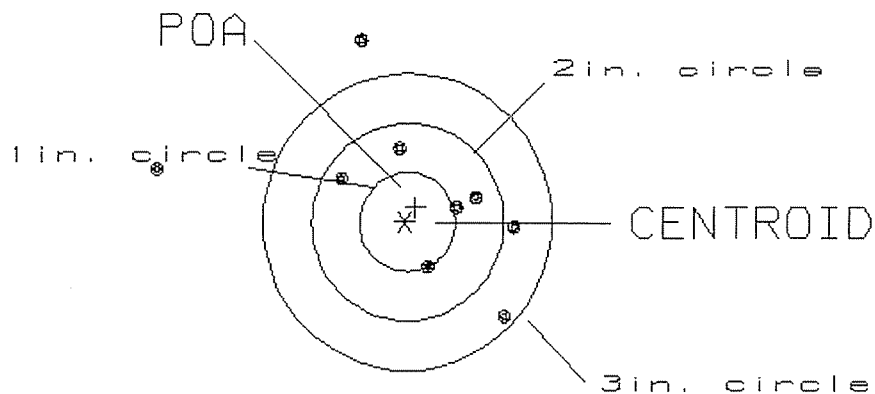
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .181
 MIN RADIUS : .518
 MEAN RADIUS : 1.298
 MAX RADIUS : 2.676
 CENTROID X : -.109
 CENTROID Y : -.145

1 Apr 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6348816

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.74

0

VS= 4.30

5

GS= 4.37

7

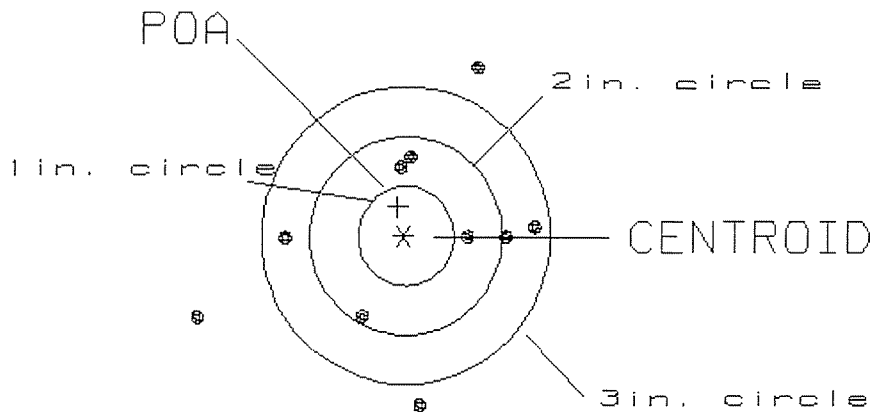
PATTERN #: 2

POA TO CENTROID: .298
 MIN RADIUS : .619
 MEAN RADIUS : 1.259
 MAX RADIUS : 2.322
 CENTROID X : .059
 CENTROID Y : -.292

1 Apr 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6348816

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.53

0

VS= 3.37

4

GS= 3.84

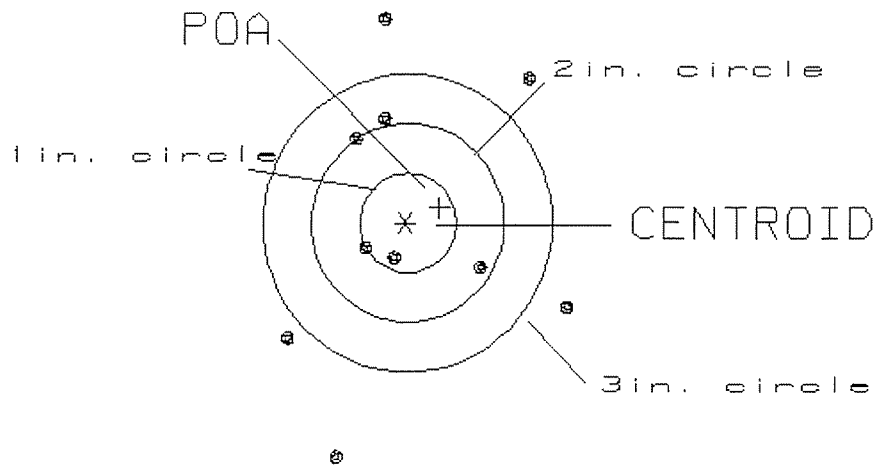
7

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .387
 MIN RADIUS : .416
 MEAN RADIUS : 1.387
 MAX RADIUS : 2.480
 CENTROID X : -.356
 CENTROID Y : -.153

1 Apr 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6348816

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.89

1

VS= 4.38

3

GS= 4.41

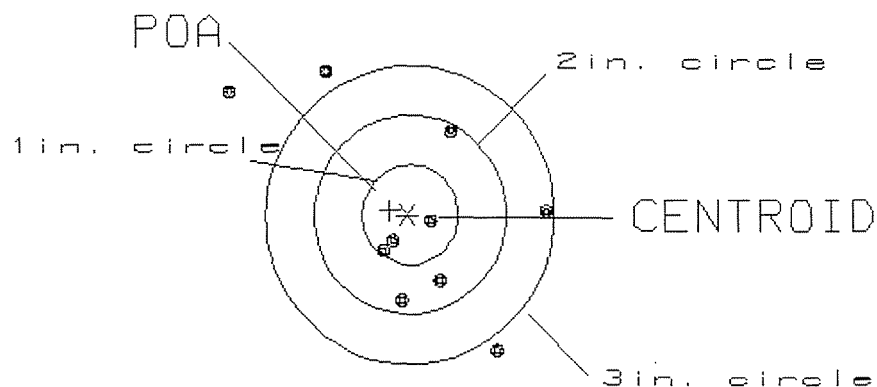
5

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .187
 MIN RADIUS : .246
 MEAN RADIUS : 1.057
 MAX RADIUS : 2.223
 CENTROID X : .182
 CENTROID Y : -.042

1 Apr 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6348816

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.27

3

VS= 2.76

6

GS= 3.83

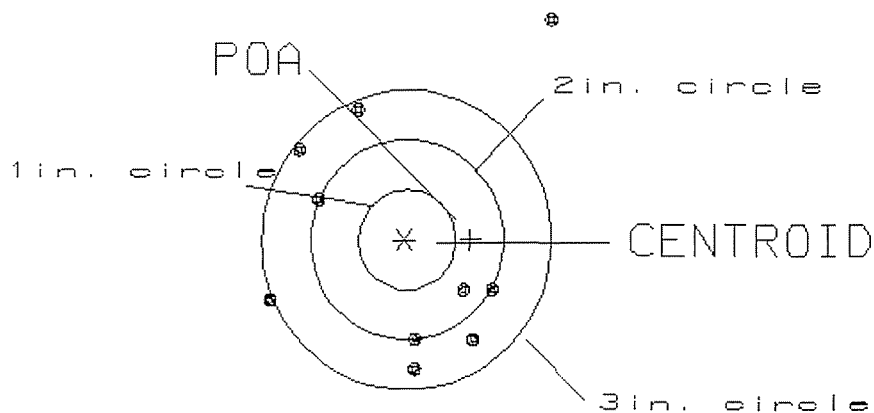
7

PATTERN #: 5
 POA TO CENTROID: .686
 MIN RADIUS : .788
 MEAN RADIUS : 1.307
 MAX RADIUS : 2.607
 CENTROID X : -.686
 CENTROID Y : -.006

1 Apr 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6348816

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.82

0

VS= 3.43

4

GS= 3.96

8