

G-6391087
Rapha
C-6225565

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: **RE00092748** Serial: C6225565 Model M24 SWS Genier Fire Caliber 7.62 NATO Repairman: Status: Closed 2/8/2005 1:43:06 PM

Address Information

Customer: ☒ Received From Return To ☐ Received From

Name: **HHC 2/505 PIR, 82ND AIRBORNE DIVISION** **HHC 2/505 PIR, 82ND AIRBORNE DIVISION**

Address 1: **SSG SANDIVAL** **SSG SANDIVAL**

Address 2: PO Box: PO Box:

City: **FORT BRAGG** **FORT 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: **910 797 8996**

Fax:

Email:

Comments:

Received Condition

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	Frt and Rear Sgt Base	1

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

inqlstj 2/8/2005 3:02 PM CAPS NUM JNS SCPL

start 2 2 Arms Services 4

G 639 1087

Serial: **C6225565**

Model: **M24 SWS**



RE00092748

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6391087.___0

FILE DATE AND TIME: 03/02/2005 08:01

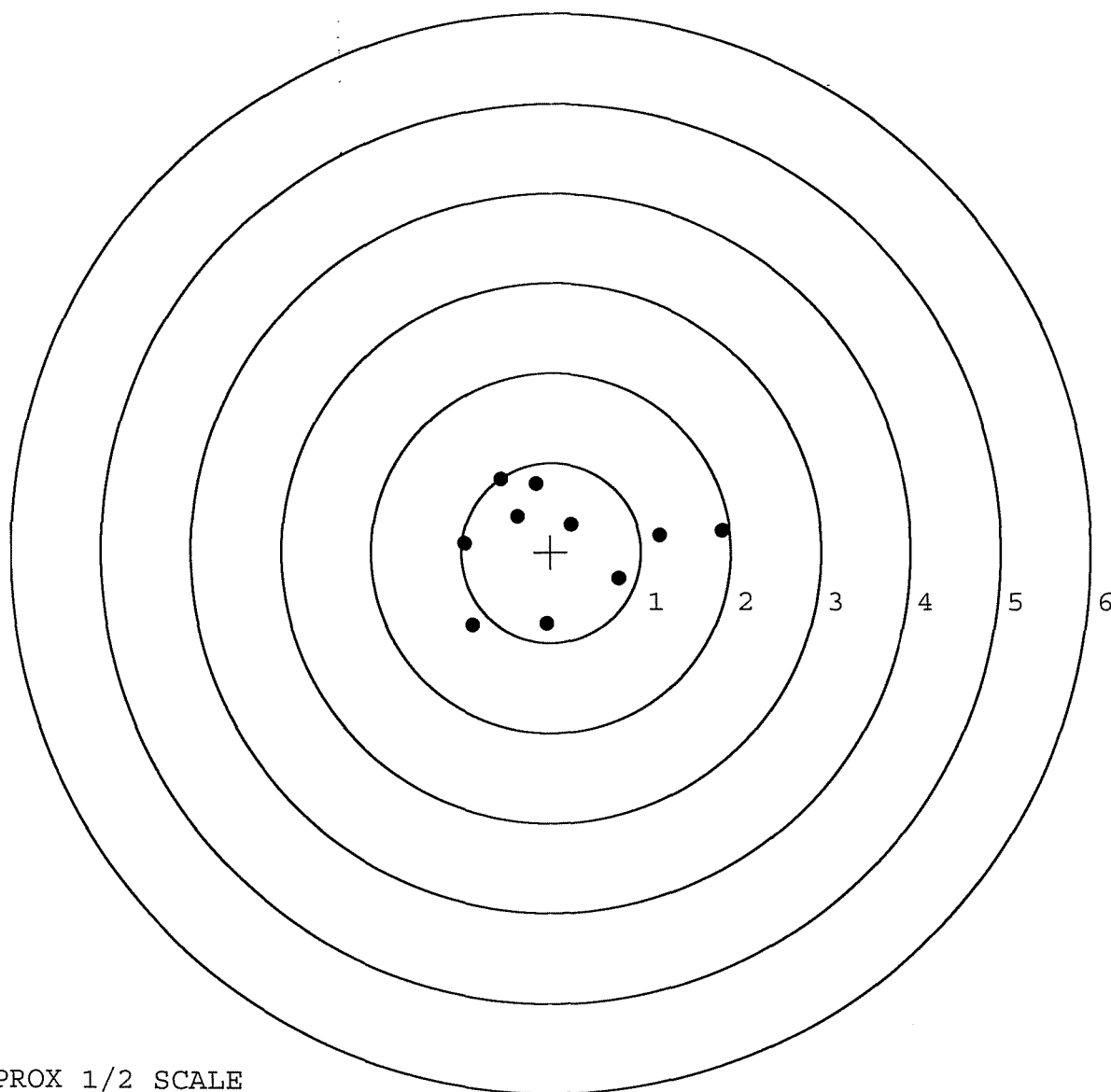
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.063
The Average Y Centroid of the Five Target Set:	0.034
The Average Point of Impact of the Five Target Set:	0.071
The Average Mean Radius of the Five Target Set:	0.927
The Distance from POA to Centroid Target #1:	0.141
The Distance from Centroid Target #2 to Centroid Target #1:	0.065
The Distance from Centroid Target #3 to Centroid Target #1:	0.020
The Distance from Centroid Target #4 to Centroid Target #1:	0.303
The Distance from Centroid Target #5 to Centroid Target #1:	0.535

SERIAL NUMBER: G6391087. 0
TARGET NUMBER: 1
FILE DATE: 03/02/2005
FILE TIME: 08:01

X CENTROID: 0.109
Y CENTROID: 0.090
POA TO CENTROID: 0.141
HORZ SPREAD: 2.866
VERT SPREAD: 1.627
GROUP SPREAD: 2.967
MIN RADIUS: 0.248
MAX RADIUS: 1.798
MEAN RADIUS: 0.951
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.901	0.236
2:	1.208	0.180
3:	0.759	-0.296
4:	-0.051	-0.799
5:	-0.876	-0.809
6:	0.225	0.309
7:	-0.171	0.761
8:	-0.374	0.399
9:	-0.562	0.818
10:	-0.965	0.098

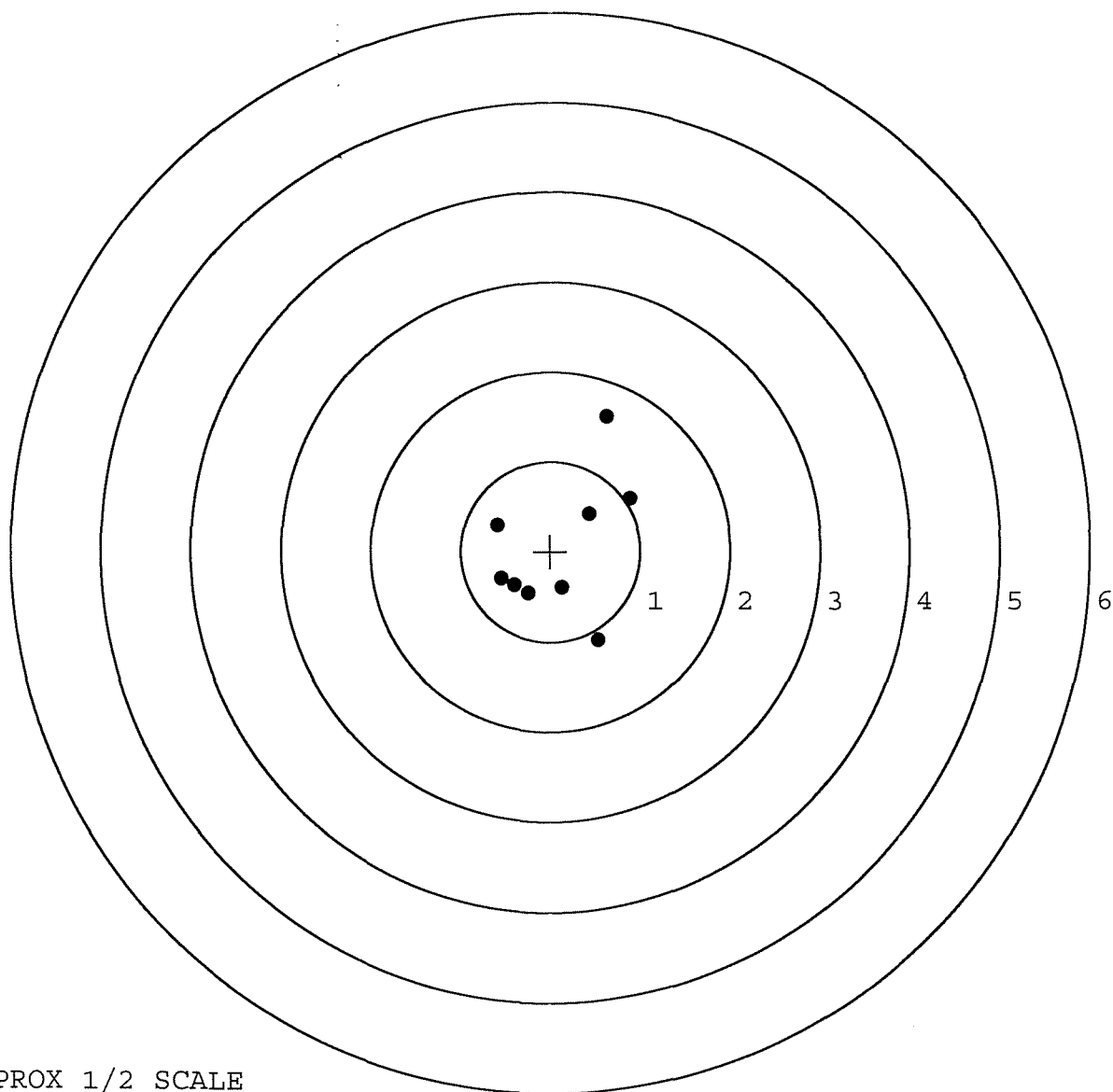


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391087. __0
TARGET NUMBER: 2
FILE DATE: 03/02/2005
FILE TIME: 08:01

X CENTROID: 0.089
Y CENTROID: 0.028
POA TO CENTROID: 0.094
HORZ SPREAD: 1.480
VERT SPREAD: 2.480
GROUP SPREAD: 2.482
MIN RADIUS: 0.433
MAX RADIUS: 1.565
MEAN RADIUS: 0.808
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.527	-0.984
2:	0.130	-0.403
3:	-0.248	-0.461
4:	-0.547	-0.305
5:	-0.599	0.292
6:	0.433	0.415
7:	0.881	0.584
8:	0.631	1.496
9:	-0.406	-0.379

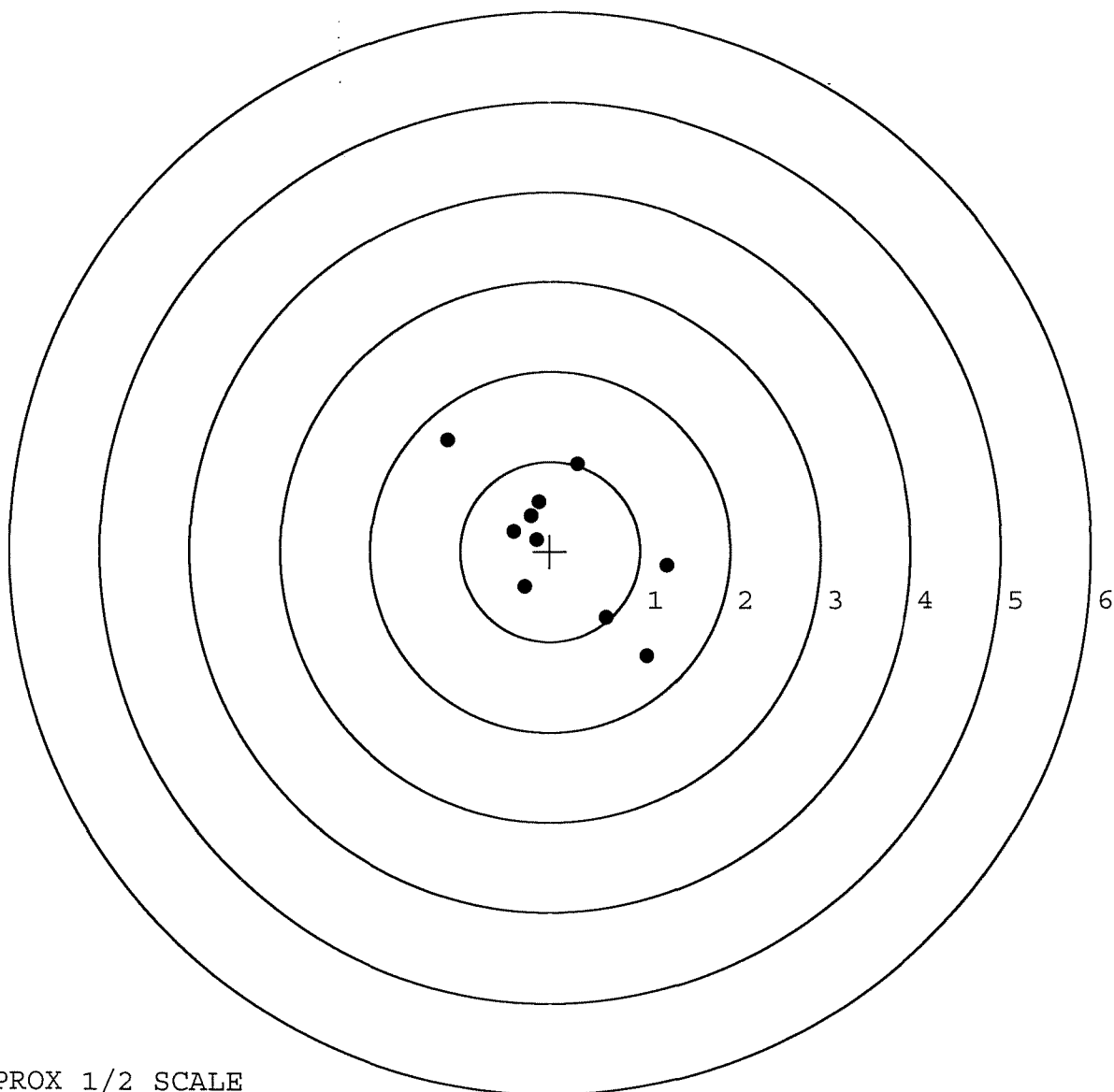


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391087. 0
TARGET NUMBER: 3
FILE DATE: 03/02/2005
FILE TIME: 08:01

X CENTROID: 0.098
Y CENTROID: 0.105
POA TO CENTROID: 0.144
HORZ SPREAD: 2.446
VERT SPREAD: 2.413
GROUP SPREAD: 3.278
MIN RADIUS: 0.249
MAX RADIUS: 1.688
MEAN RADIUS: 0.874
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.073	-1.167
2:	0.624	-0.742
3:	1.300	-0.168
4:	0.313	0.973
5:	-0.133	0.551
6:	-0.406	0.225
7:	-0.150	0.132
8:	-0.282	-0.396
9:	-1.146	1.246
10:	-0.217	0.399

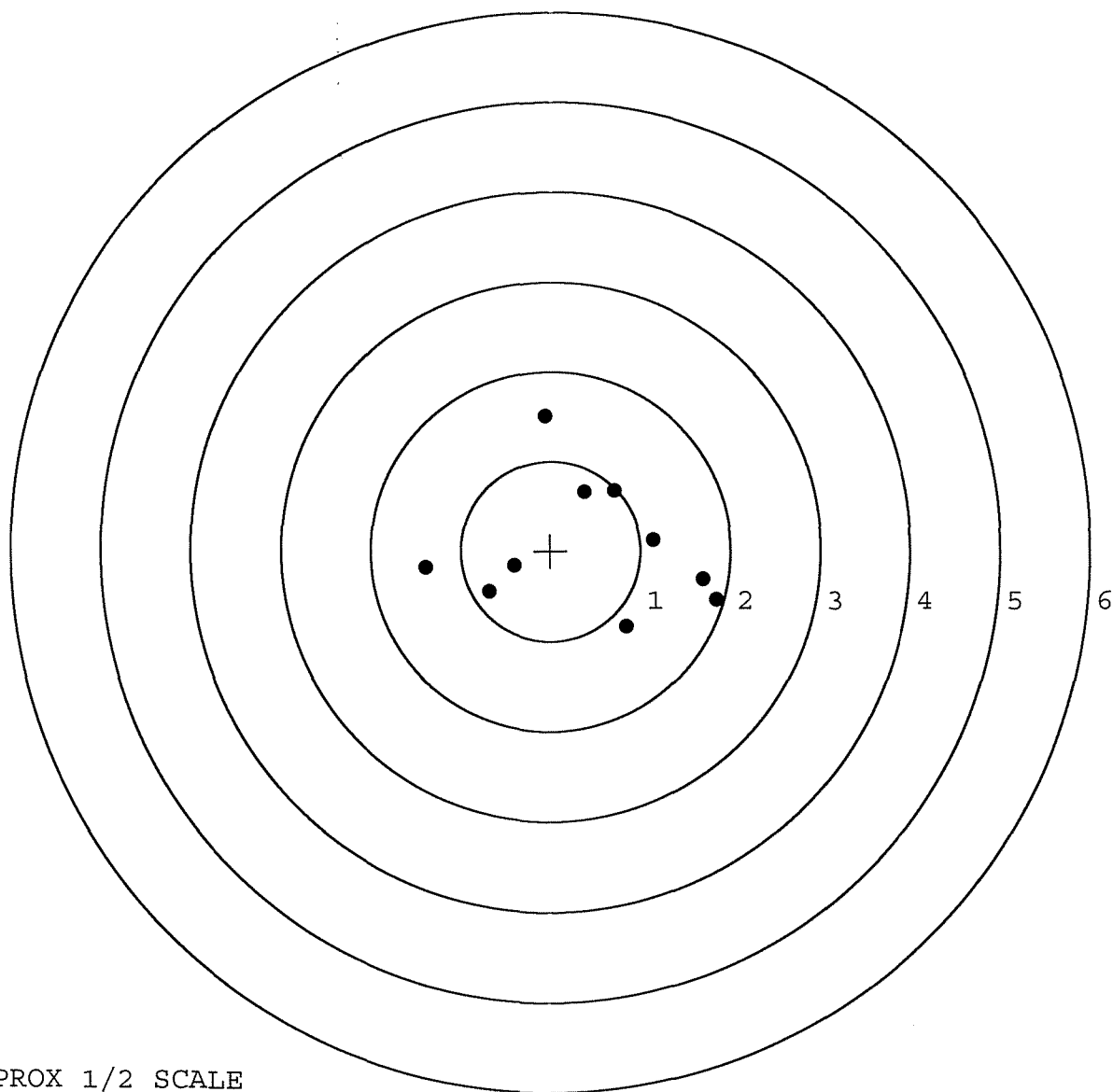


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391087. __0
 TARGET NUMBER: 4
 FILE DATE: 03/02/2005
 FILE TIME: 08:01

X CENTROID: 0.408
 Y CENTROID: 0.043
 POA TO CENTROID: 0.411
 HORZ SPREAD: 3.237
 VERT SPREAD: 2.342
 GROUP SPREAD: 3.257
 MIN RADIUS: 0.612
 MAX RADIUS: 1.814
 MEAN RADIUS: 1.131
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 7

POINT#	X	Y
1:	1.846	-0.546
2:	1.146	0.120
3:	0.843	-0.840
4:	0.713	0.671
5:	0.380	0.655
6:	-0.061	1.502
7:	-0.406	-0.170
8:	-0.680	-0.454
9:	-1.391	-0.187
10:	1.694	-0.317

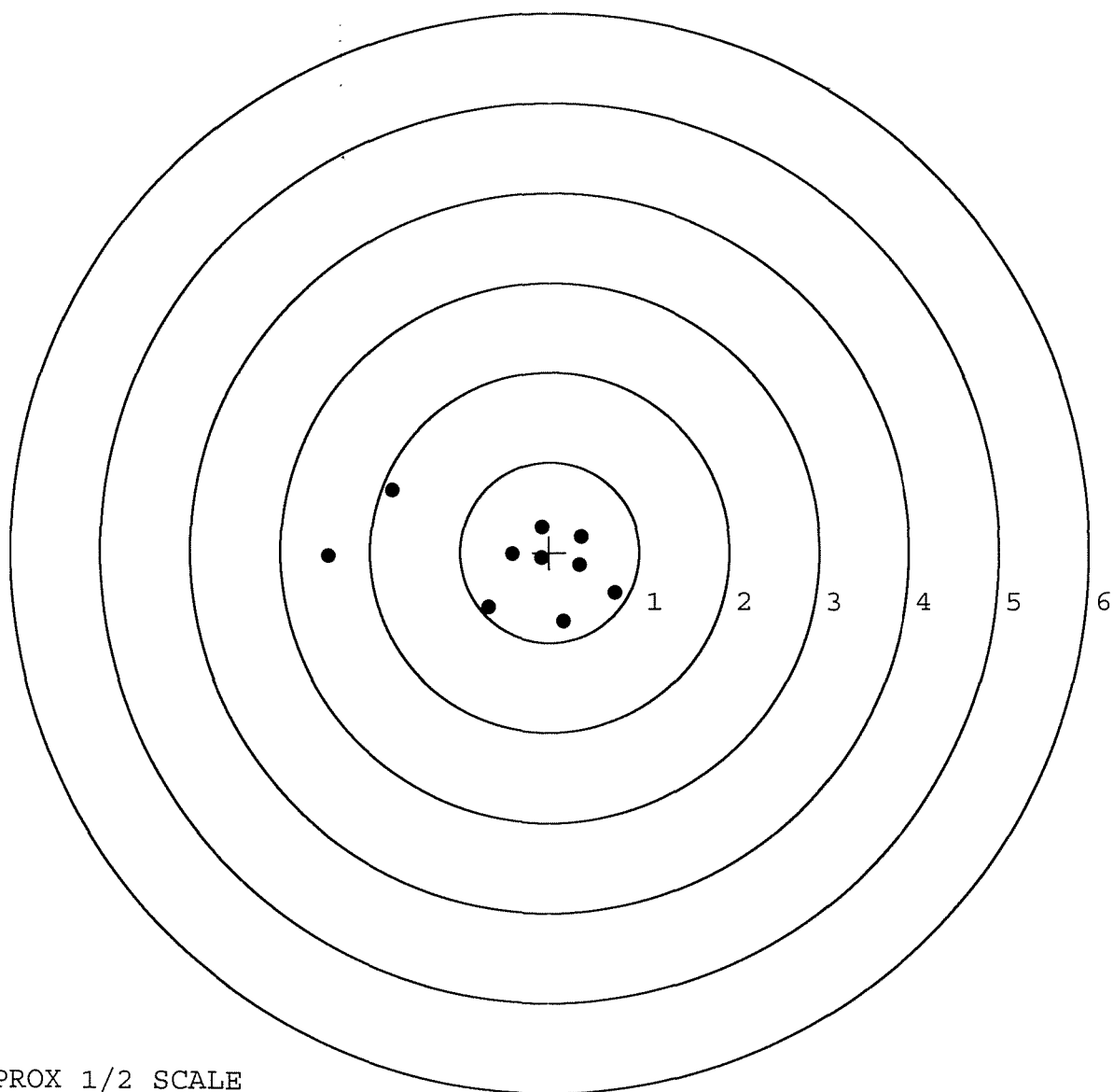


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391087. __0
TARGET NUMBER: 5
FILE DATE: 03/02/2005
FILE TIME: 08:01

X CENTROID: -0.391
Y CENTROID: -0.098
POA TO CENTROID: 0.403
HORZ SPREAD: 3.193
VERT SPREAD: 1.462
GROUP SPREAD: 3.219
MIN RADIUS: 0.077
MAX RADIUS: 2.071
MEAN RADIUS: 0.868
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.154	-0.773
2:	0.731	-0.456
3:	-0.682	-0.619
4:	-0.415	-0.025
5:	-1.756	0.689
6:	-2.462	-0.051
7:	0.356	0.178
8:	0.337	-0.142
9:	-0.087	-0.065
10:	-0.090	0.284



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)

SERIAL NO.

DATE 2-8-05

TESTER

TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.29	2.50		2.83	
PULL #2	2.27	2.59		2.66	
PULL #3	2.22	2.47		2.48	
PULL #4	2.28	2.65		2.50	
PULL #5	2.47	2.65		2.51	
TOTAL	11.53	12.86		12.98	
AVERAGE	2.30	2.57		2.59	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.30		
PULL #2	3.29	3.36		
PULL #3	3.34	3.15		
PULL #4	3.26	3.14		
PULL #5	3.26	3.13		
TOTAL	16.49	16.08		
AVERAGE	3.29	3.21		

	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	4.25	4.44		4.36
PULL #2	4.40	4.23		4.24
PULL #3	4.36	4.27		4.22
PULL #4	4.39	4.09		4.36
PULL #5	4.38	4.26		4.28
TOTAL	21.78	21.29		21.46
AVERAGE	4.35	4.25		4.29

R & E NUMBER	92748		
SERIAL NUMBER	C6225565 G6391087		
LOG-IN DATE	2-8-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-10-05	RTL
560 A	RE-BARREL	2-12-05	RTL
B	DRILL AND TAP	2-15-05	TRW
575	ASSEMBLE	2-12-05	RTL
600	PROOF	2-14-05	AC
605	CHECK HEADSPACE	2-14-05	AC
610	DIS-ASSEMBLE GUN	2-14-05	RTL
612	MAGNAFLUX		OPERATOR
615	ROLLMARK CALIBER	2-17-05	CW
618	ROTO-BLAST	2-17-05	LB
620	APPLY COATINGS	2/23/05	HA
625 A	FINAL ASSEMBLY	2-28-05	RTL
B	TRIGGER PULL TEST	3-7-05	RTL
C	SAFETY "ON" FORCE	3-7-05	RTL
D	SAFETY "OFF" FORCE	3-07-05	RTL
E	FIRING PIN INDENT	NA	NA
640	TARGET	3-2-05	AC
655	FINAL INSPECT	3-7-05	RTL
660	PACK	3-7-05	HA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225565
29 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .074
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0688
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .101042

THE AMR FOR THIS RIFLE IS: 1.266

CENTROIDAL DISTANCES

0 TO	1	.22809
1 TO	2	.319326
1 TO	3	.672001
1 TO	4	.271892
1 TO	5	.181604

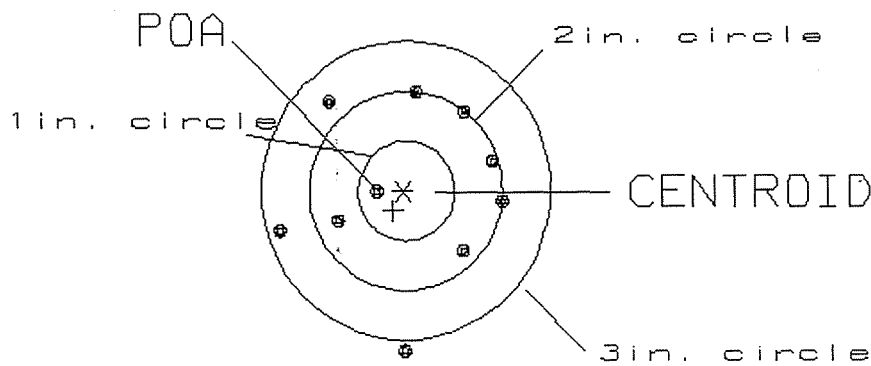
1
5
2 4 <----POA
3

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .228
 MIN RADIUS : .335
 MEAN RADIUS : 1.018
 MAX RADIUS : 1.643
 CENTROID X : .104
 CENTROID Y : .203

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225565.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.31
 VS= 2.63
 GS= 2.67

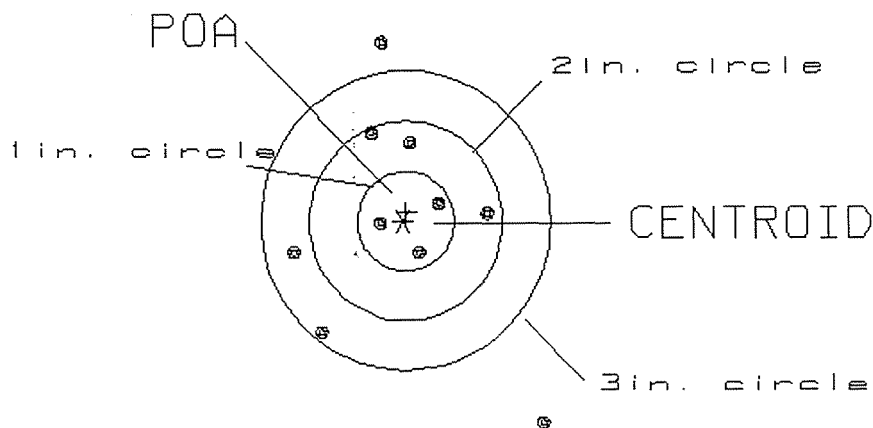
1
 6
 9

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .091
 MIN RADIUS : .237
 MEAN RADIUS : 1.041
 MAX RADIUS : 2.433
 CENTROID X : -.036
 CENTROID Y : -.084

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225565.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.57
 VS= 3.77
 GS= 4.14

3
 6
 8

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .481

MIN RADIUS : .106

MEAN RADIUS : 1.573

MAX RADIUS : 4.672

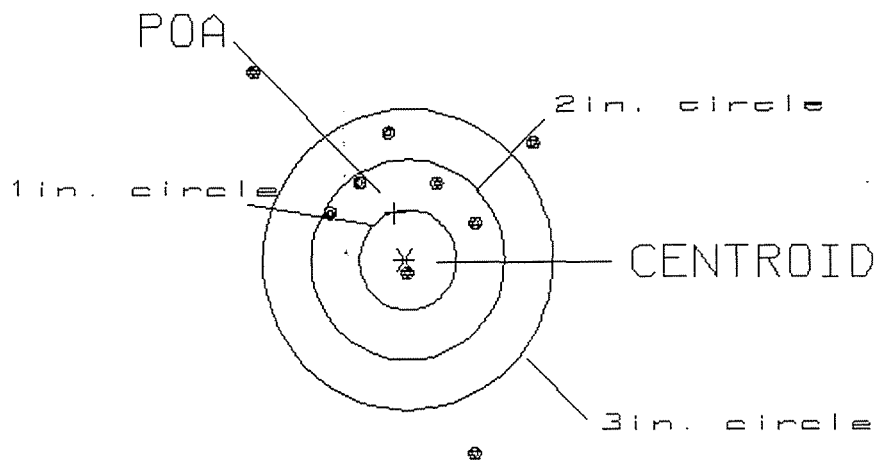
CENTROID X : .105

CENTROID Y : -.469

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225565.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.89

1

VS= 6.54

5

GS= 6.78

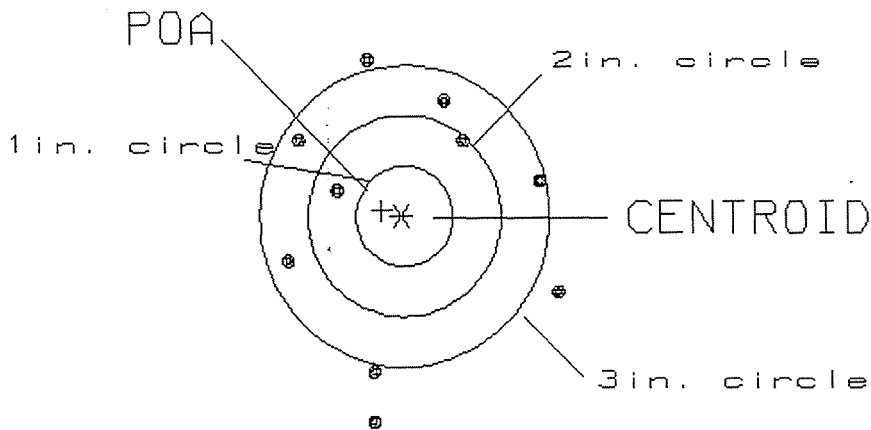
6

PATTERN #: ☐ 4 ☐
POA TO CENTROID: .207
MIN RADIUS : .753
MEAN RADIUS : 1.387
MAX RADIUS : 2.063
CENTROID X : .201
CENTROID Y : -.051

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225565.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.78

0

VS= 3.54

2

GS= 3.54

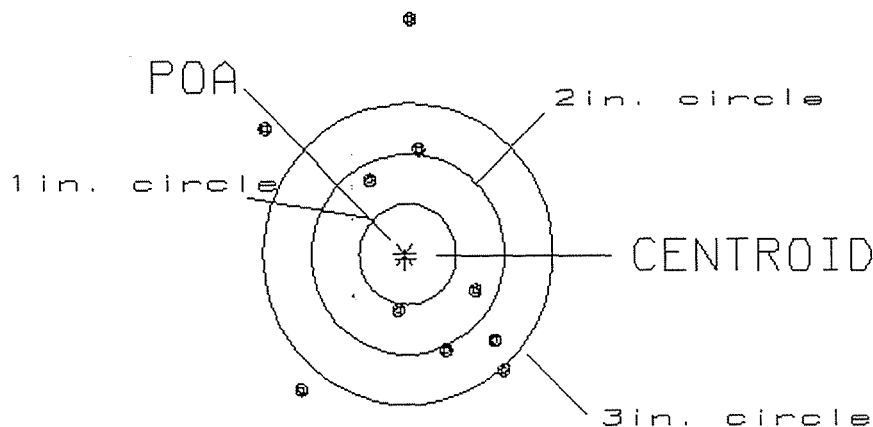
6

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .057
 MIN RADIUS : .607
 MEAN RADIUS : 1.313
 MAX RADIUS : 2.349
 CENTROID X : -.004
 CENTROID Y : .057

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225565.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.54

0

VS= 3.67

3

GS= 3.81

6

Remington



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

MODEL 700TM H24

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



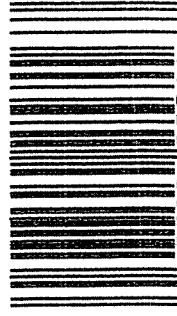
5716 06225565

SERIAL NO.
06225565

ORDER NO.
5716

20

LPC



0 47700 25716 7

GUN SERIAL # 

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 27 9 1		AW
600	Proof	6 27 9 1		AW
607	Check Headspace	6 27 9 1		AW
610	Dis-assemble Gun	6 27 9 1		AW
612	Magnaflux Barrel Action		JUL 1 1991	KCR
614	Magnaflux Bolt		JUL 1 1991	KCR
615	Rollmark Caliber		JUL 1 1991	GS
617	Drill and Tap Sight Holes		JUL 2 1991	LB
618	Polish Barrel		JUL 2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	
	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		7-24-91	JY

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	5	6			7-24-91	DH
	G) Safety Off Force	3	3	3			7-24-91	DH
	H) Trigger Pull Test & Retainability						7-24-91	JH
	I) Firing Pin Indent	.022	.022	.023			7-24-91	DH
	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						7-25-91	DH
	A) Time						7-25-91	DH
	B) Malfunctions						7-25-91	DH
	C) Pierced Primers						7-25-91	DH
	D) Optical Clarity of Scope						7-25-91	DH
645	Inspect for Live Ammo						7-25-91	DH
655	Final Inspection A) Headspace							
	B) Trigger Pull	2.26	2.30	2.40	2.43	2.42	7-26-91	JH
	C) Function							
660	Pack						7/26/91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C-6225565

DATE 7-24-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.47	2.44	2.26	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.26	2.37	2.38	2.30	
PULL #3	2.53	2.34	2.38	2.40	
PULL #4	2.66	2.34	2.26	2.43	
PULL #5	2.55	2.28	2.38	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.49		
PULL #2	3.42	3.60		
PULL #3	3.45	3.50		
PULL #4	3.55	3.59		
PULL #5	3.58	3.62		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.55	4.48		4.36
PULL #2	4.46	4.59		4.38
PULL #3	4.34	4.54		4.41
PULL #4	4.41	4.54		4.41
PULL #5	4.60	4.40		4.46
TOTAL				
AVG.				

RECEIVING AND ESTIMATING REPORT

COMMENTS

W/LEUPOLD 10X SCOPE
M-24 SNIPER

INITIAL JJM	CUSTOMER ORDER NO.					
DATE RECEIVED 06/19/91	DATE OPENED 06/21/91	DATE CODE	SERIAL NUMBER C6225565	MODEL AND GRADE 9999 7.62 NATO		ORDER R 91-12952
ACCESSORIES W/STUDS		W/SWIVELS		HARD CASE		

FROM:	SHIP TO:
D CO 782ND MAINTANCE BA FORT BRAGG NC 28307 USA	D CO 782ND MAINTANCE BA FORT BRAGG NC USA 28307

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	CLEAN/TEST	PROM. DATE	ESTIMATED	VIA UPS
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REPAIR CHARGE						TAX	INSURANCE	UPS	PARCEL POST	TOTAL
---------------	--	--	--	--	--	-----	-----------	-----	-------------	-------

GUN CONDITION: ☐ NEW ☐ SLIGHTLY WORN ☒ VERY WORN ☐ MISUSED ☐ MARRED

CUSTOMER'S REQUEST

MAIN FAULT

① NEW BARREL
② RE POWDER COAT TRIGGER GUARDS
③ NEW STOCK
④ NEW TRIGGER ASSY
⑤ NEW FIRING PIN ASSY PM 96007

PARTS						
	REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
	GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

OFFICE COPY

RD6925 REV. 7/90

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

M2400148569

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225565
26 Jul 1991

CENTROIDAL DISTANCES

0 TO	1	.473371
1 TO	2	.236932
1 TO	3	.484059
1 TO	4	.637781
1 TO	5	.38008

$\frac{t_3}{t_2}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .214
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.074
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .226433
THE AMP FOR THIS RIFLE IS: .8374

26 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6225565

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS = 3.004

VS = 2.402

GS = 3.149

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.227	1.029	1.104
MINIMUM X	:	-1.777	-.993	-.918
MAXIMUM Y	:	1.231	1.190	.844
MINIMUM Y	:	-1.171	-1.212	-1.064
CENTROID X	:	.356	.554	.479
CENTROID Y	:	-.312	-.271	-.419
POA TO CENTROID in.	:	.474	.616	.637
MIN RADIUS	:	.205	.350	.367
MEAN RADIUS	:	1.056	.970	.919
MAX RADIUS	:	1.816	1.362	1.295
HORIZONTAL SPREAD	:	3.004	2.022	2.022
VERTICAL SPREAD	:	2.402	2.402	1.908
EXTREME SPREAD	:	3.149	2.693	2.398
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		

26 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6225565

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.189

VS= 2.289

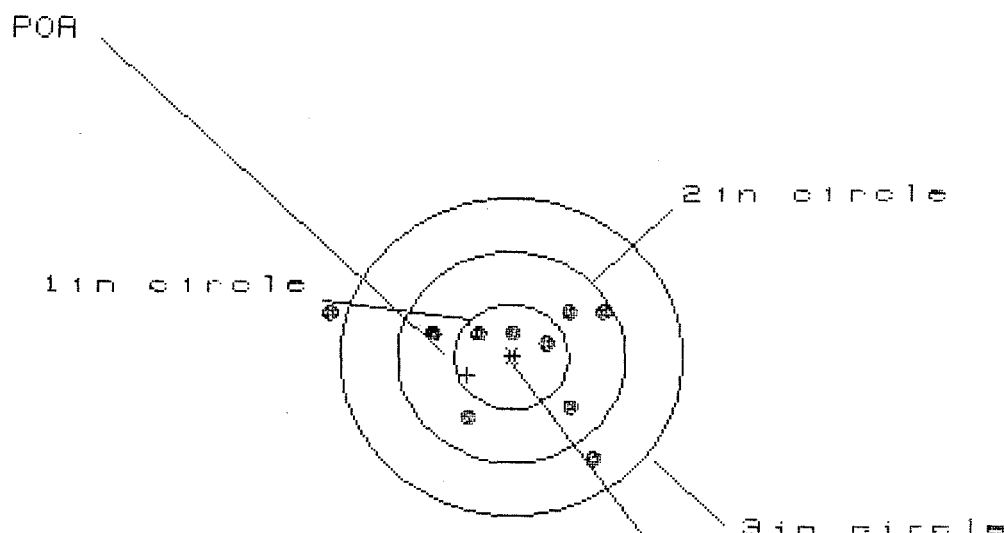
GS= 2.468

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.220	1.292	.914
MINIMUM X	:	-.968	-.897	-.736
MAXIMUM Y	:	1.191	1.069	1.025
MINIMUM Y	:	-1.098	-.496	-.540
CENTROID X	:	.120	.049	-.112
CENTROID Y	:	-.333	-.211	-.167
POA TO CENTROID in.	:	.354	.217	.201
MIN RADIUS	:	.290	.326	.162
MEAN RADIUS	:	.855	.797	.698
MAX RADIUS	:	1.271	1.339	1.062
HORIZONTAL SPREAD	:	2.189	2.189	1.650
VERTICAL SPREAD	:	2.289	1.565	1.565
EXTREME SPREAD	:	2.468	2.189	1.839
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

26 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6225565

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 2.378

VS= 1.428

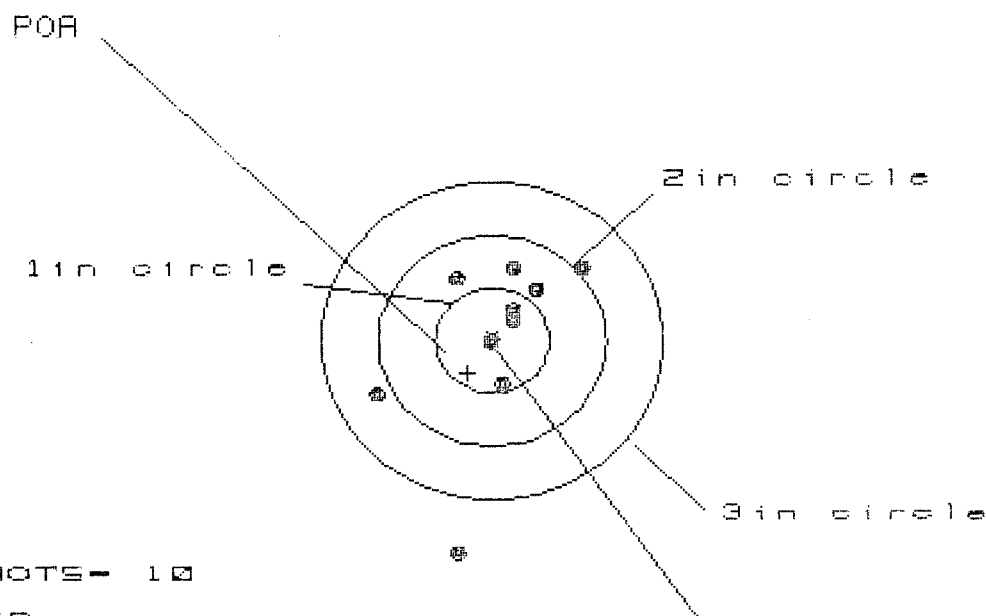
GS= 2.688

PATTERN #			
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.783	.606	.668
MINIMUM X	-1.595	-.864	-.802
MAXIMUM Y	.436	.471	.353
MINIMUM Y	-.992	-.944	-.647
CENTROID X	.388	.565	.503
CENTROID Y	.171	.123	.241
POA TO CENTROID in.	.424	.578	.558
MIN RADIUS	.267	.237	.200
MEAN RADIUS	.745	.628	.549
MAX RADIUS	1.653	1.066	.814
HORIZONTAL SPREAD	2.378	1.470	1.470
VERTICAL SPREAD	1.428	1.415	1.000
EXTREME SPREAD	2.688	1.808	1.533
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

26 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8225565

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 4

2in = 7

3in = 9

HS = 1.784

VS = 2.672

GS = 2.897

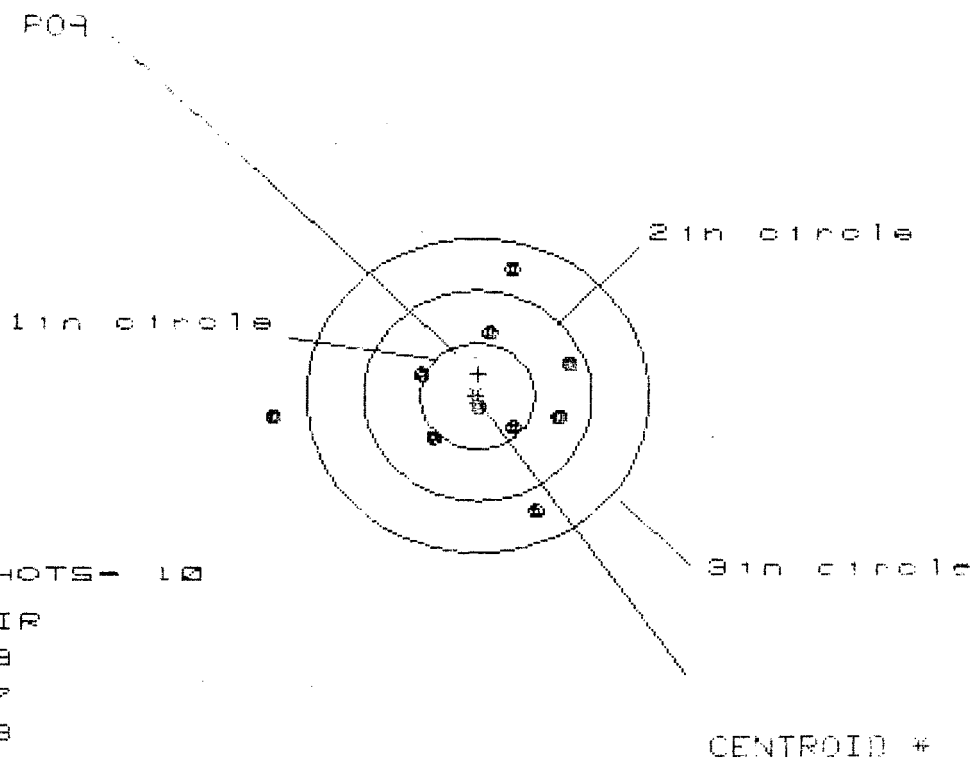
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.785	.748	.618
MINIMUM X	:	-.999	-1.036	-.506
MAXIMUM Y	:	.684	.463	.375
MINIMUM Y	:	-1.988	-.709	-.716
CENTROID X	:	.215	.252	.382
CENTROID Y	:	.310	.531	.619
POA TO CENTROID in.	:	.377	.588	.728
MIN RADIUS	:	.080	.170	.037
MEAN RADIUS	:	.727	.534	.406
MAX RADIUS	:	2.016	1.255	.723
HORIZONTAL SPREAD	:	1.784	1.784	1.124
VERTICAL SPREAD	:	2.672	1.172	1.091
EXTREME SPREAD	:	2.897	2.135	1.304
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

25 JUL 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6225565

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.633

VS= 2.307

GS= 2.681

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.829	.629	.637
MINIMUM X	-1.804	-.660	-.652
MAXIMUM Y	1.219	1.202	.707
MINIMUM Y	-1.088	-1.105	-.955
CENTROID X	-.009	.191	.183
CENTROID Y	-.206	-.189	-.339
POA TO CENTROID in.	.206	.269	.385
MIN RADIUS	.119	.232	.181
MEAN RADIUS	.804	.680	.592
MAX RADIUS	1.810	1.203	.992
HORIZONTAL SPREAD	2.633	1.289	1.289
VERTICAL SPREAD	2.307	2.307	1.662
EXTREME SPREAD	2.681	2.315	1.697
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

SECTION I - EQUIPMENT DATA

CONTROL NUMBER		WORK ORDER NUMBER		WESDC		ORG PD 02		PD AUTHENTICATION			
WORK REQUEST MWO ☐ WARRANTY CLAIM NO. 225565		1a. ORGANIZATION DCo 782nd Maint Bn			b. LOCATION FB NC 28307			c. UNIT IDENT CODE WABYDO			
3. NOUN NOMENCLATURE 7.62 Sniper		4. LINE NO.		5. MODEL M24		6. NATIONAL STOCK NUMBER 1005-01-240-2136					
7. FINANCE ACTIVITY ington Arms		a. LEVEL H	8. UTILIZATION CODE	9. MCSR ITEM	a. ERC	b. PACING ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS	
14. DEFECTS DETECTED DURING (Select one - use ✓ or X) Scheduled Maintenance ☐ C Test ☐ E Storage ☐ G Flight ☒ 068 Inoperative Handling ☒ D Normal Op ☐ F Inspection ☐ H Other				15. FIRST INDICATION OF TROUBLE (Select one - use ✓ or X) ☒ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☐ 387 Low Performance ☐ Other							
16. PRIOR DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not repeat repairs)											

stock cracked 2) sling swivels missing 3) finished scuffed

SECTION II - WORK ACCOMPLISHED

[illegible]

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225565

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 25	89	RW
600	Proof	1 25	89	RW
607	Check Headspace	1 25	89	RW
610	Dis-assemble Gun	1 25	89	RW
612	Magnaflux Barrel Action		1-27-89	PK.
	Magnaflux Bolt		1-27-89	KCR
615	Rollmark Caliber			
617	Drill and Tap Sight Holes	2 1	89	FB
618	Polish Barrel	2 1	89	BT
620	Apply Coatings (Barrel Action)		2-10-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/27/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/27/89	RW
	C) Inspect Ejector Hole for Chamfer		2/27/89	RW
	D) Oil Firing Pin Ass'y		2/27/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/28/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/4	5 1/4	5			3/1/89	WB
	G) Safety Off Force	3 1/2	3 1/2	3 1/4			3/1/89	WB
	H) Trigger Pull Test & Retainability						2/28/89	W.B.
	I) Firing Pin Indent	.020	.020	.0205			2/28/89	W.B.
	J) Assemble Stock						3/3/89	RW
	K) Assemble Swivel Studs						8 Mar 89	JS
	L) Attach Front and Rear Sight Assemblies						3/3/89	RW
	M) Iron Sight Alignment						5/3/89	RW
	N) Detach Front & Rear Sights & place in numbered container						3/3/89	RW
	O) Attach Scope to Rifle						3/6/89	WB
	P) Detach & Attach Scope 20 Times						3/6/89	WB
640	Gallery Target & Test	60 R	92 L				3-7-89	K
	A) Time						11	K
	B) Malfunctions				NONE		11	K
	C) Pierced Primers				NONE		11	K
	D) Optical Clarity of Scope				OK		11	K
645	Inspect for Live Ammo				NONE		3-17-89	K
655	Final Inspection							
	A) Headspace						8 Mar 89	JS
	B) Trigger Pull	2.57	2.52	2.46	2.46	2.46	8 Mar 89	JS
	C) Function						8 Mar 89	JS
660	Pack						22 Mar 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+.50#

3.00#+.75#

4.00#+1.00#

SERIAL NO. C6275285DATE 6 April 89TESTER 48

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.61	2.39	2.16	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.14	2.35	2.35	2.08	
PULL #3	2.26	2.21	2.55	2.34	
PULL #4	2.19	2.19	2.52	2.34	
PULL #5	2.13	2.24	2.37	2.16	
TOTAL	11.08	11.60	12.18	11.08	
AVG.	2.216	2.32	2.436	2.216	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.08	2.89		
PULL #2	3.00	3.05		
PULL #3	2.91	2.96		
PULL #4	2.98	2.92		
PULL #5	2.98	2.98		
TOTAL	14.95	14.80		
AVG.	2.99	2.96		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.10	4.05		4.33
PULL #2	4.09	4.32		4.16
PULL #3	4.08	4.41		4.32
PULL #4	4.10	4.18		4.21
PULL #5	4.17	4.22		4.23
TOTAL	20.54	21.18		21.25
AVG.	4.108	4.236		4.25

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225565
8 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	.559522
1 TO	2	.615435
1 TO	3	.667791
1 TO	4	.437659
1 TO	5	.697103

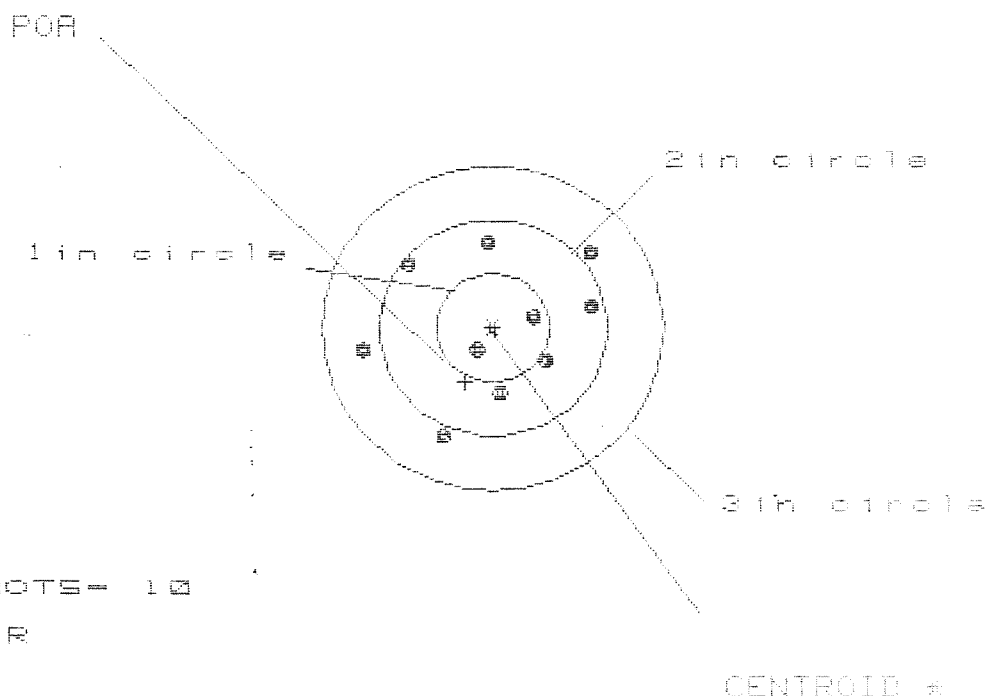
1
#3 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .157
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0434
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .162888
THE AMR FOR THIS RIFLE IS: .9588

8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225585

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.042

VS= 1.840

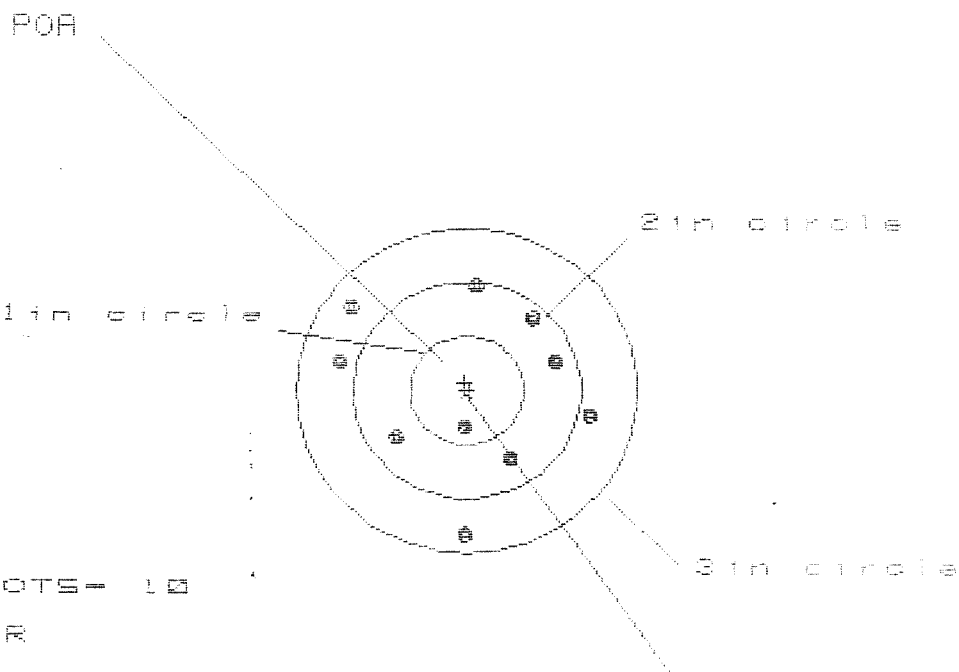
GS= 2.207

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.899	.772	.789
MINIMUM X	:	-1.143	-.883	-.787
MAXIMUM Y	:	.793	.776	.859
MINIMUM Y	:	-1.047	-1.064	-.981
CENTROID X	:	.243	.370	.274
CENTROID Y	:	.504	.521	.436
POA TO CENTROID in.	:	.553	.639	.517
MIN RADIUS	:	.252	.221	.231
MEAN RADIUS	:	.766	.706	.661
MAX RADIUS	:	1.154	1.195	1.078
HORIZONTAL SPREAD	:	2.042	1.655	1.576
VERTICAL SPREAD	:	1.840	1.840	1.840
EXTREME SPREAD	:	2.207	2.172	1.885
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/D8225565

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.207

VS= 2.336

GS= 2.396

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.115	1.109	.977
MINIMUM X	:	-1.092	-1.098	-1.230
MAXIMUM Y	:	.994	.845	.925
MINIMUM Y	:	-1.342	-.759	-.679
CENTROID X	:	.021	.027	.159
CENTROID Y	:	-.070	.079	-.001
POA TO CENTROID in.	:	.073	.084	.159
MIN RADIUS	:	.343	.492	.447
MEAN RADIUS	:	.942	.899	.833
MAX RADIUS	:	1.343	1.234	1.252
HORIZONTAL SPREAD	:	2.207	2.207	2.207
VERTICAL SPREAD	:	2.336	1.604	1.604
EXTREME SPREAD	:	2.396	2.396	2.272
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08285565

CENTERFIRE PATTERNS

3

FOR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 0

2in = 4

3in = 8

HS= 2.333

VS= 2.635

GS= 3.133

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.230	1.107	1.206
MINIMUM X	:	-1.103	-.953	-.854
MAXIMUM Y	:	1.364	1.232	1.367
MINIMUM Y	:	-1.271	-1.403	-1.268
CENTROID X	:	.351	.474	.375
CENTROID Y	:	-.155	-.023	-.158
FOR TO CENTROID in.	:	.384	.474	.407
MIN RADIUS	:	.510	.390	.506
MEAN RADIUS	:	1.091	1.018	.972
MAX RADIUS	:	1.620	1.444	1.409
HORIZONTAL SPREAD	:	2.333	2.060	2.060
VERTICAL SPREAD	:	2.635	2.635	2.635
EXTREME SPREAD	:	3.133	2.727	2.637
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225365

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 1.914

VS= 2.667

GS= 2.686

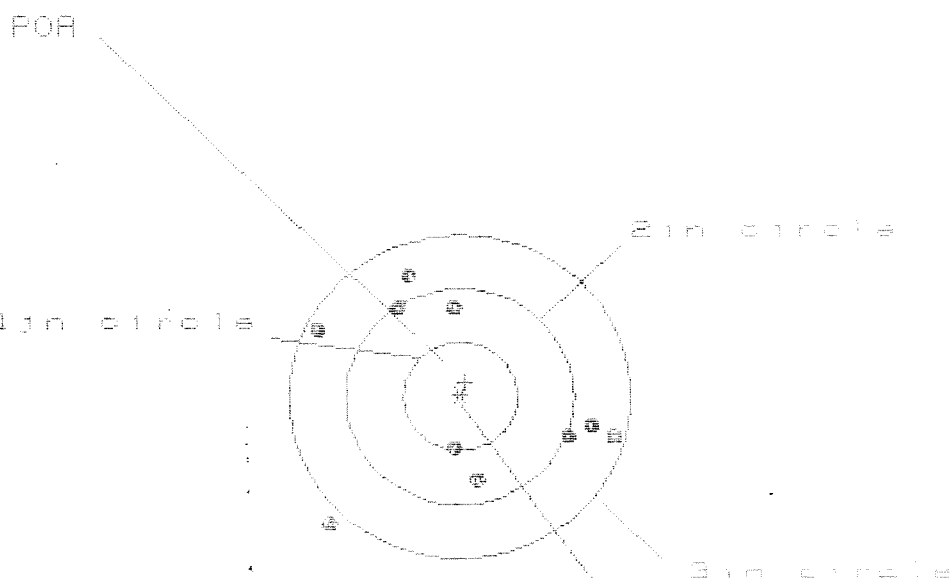
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.719	.725	.772
MINIMUM X	:	-1.195	-1.189	-1.141
MAXIMUM Y	:	1.413	1.002	.864
MINIMUM Y	:	-1.254	-1.097	-1.571
CENTROID X	:	.219	.213	.165
CENTROID Y	:	.067	-.090	.048
POA TO CENTROID in.	:	.229	.231	.172
MIN RADIUS	:	.397	.410	.448
MEAN RADIUS	:	.908	.834	.798
MAX RADIUS	:	1.414	1.190	1.144
HORIZONTAL SPREAD	:	1.914	1.914	1.914
VERTICAL SPREAD	:	2.667	2.099	1.435
EXTREME SPREAD	:	2.686	2.311	1.991
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Mar 1985

FILE:/PATTERNING/CENTERFIRE_PATT/08225585

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.583

VS= 2.231

GS= 2.758

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.310	1.180	1.004
MINIMUM X	:	-1.283	-1.413	-.857
MAXIMUM Y	:	1.086	.959	1.019
MINIMUM Y	:	-1.145	-.945	-.885
CENTROID X	:	-.049	.081	.257
CENTROID Y	:	-.129	-.002	-.062
POA TO CENTROID in.	:	.138	.081	.265
MIN RADIUS	:	.432	.575	.588
MEAN RADIUS	:	1.087	1.017	.938
MAX RADIUS	:	1.633	1.493	1.289
HORIZONTAL SPREAD	:	2.593	2.593	1.861
VERTICAL SPREAD	:	2.231	1.904	1.904
EXTREME SPREAD	:	2.758	2.758	2.285
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6275565

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
X	Magnaflux Bolt		11/8/89	KMR
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							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.0205	.021	.021			11-14-89	JLP
	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						11/14/89	DH
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection A) Headspace						11/15/89	GS
	B) Trigger Pull	2.27	2.21	2.21	2.13	2.28	11/15/89	WB
	C) Function						11/15/89	GS
660	Pack						12/20/89	WB

SECTION I - EQUIPMENT DATA									
1. <u>Equipment Name</u> _____ 2. <u>Manufacturer</u> _____ 3. <u>Model Number</u> _____ 4. <u>Serial Number</u> _____ 5. <u>Year of Manufacture</u> _____ 6. <u>Location</u> _____ 7. <u>Operator</u> _____ 8. <u>Inspection Date</u> _____ 9. <u>Inspection Results</u> _____ 10. <u>Remarks</u> _____									

16a. REMARKS	① BOLT ASSY MISSING ② BOLT STOP INOPERATIVE
--------------	--

SECTION II - WORK ACCOMPLISHED

	i. TOTAL MANHOURS	m. TOTAL MANHOURS COST	n. TOTAL PARTS COST
\$		\$	\$

21. DELAY (Select one) ☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools					22. ☐ DATA TRANSCRIBED						
23. SUBMITTED BY <i>BARB HALL</i>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select one)	
JULIAN DATE 9758		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ A To User ☐ C Salvaged ☐ B To Stock ☐ D Evacuated ☐ E Cannibalization	

DATE: _____

TO: _____

FROM: **FRED MARTIN**
Remington Arms
Ilion, NY 13357
(315) 895-3413

Commander
505TH PIR INF
3RD BN
Co "C" Bldg J2050
Ft. Bragg NC

28307-5000

© 622 5565

W52H096180 A544

W36 G K G

RECEIVING AND ESTIMATING REPORT

R96-20610

INITIAL FPS	CUSTOMER ORDER NO.		M-24 W/ULTRA 10X-M3A SCOPE	
DATE RECEIVED 09/17/96	DATE OPENED 09/17/96	DATE CODE	SERIAL NUMBER C6225565	NEW SERIAL NUMBER
ACCESSORIES W/STUDS		SCOPE BASE	HARD CASE	
MODEL AND GRADE 700 7.62		NATO		

FROM: TRANSPORTATION OFFICER
ROCK ISLAND ARSENAL
BLDG 299 (SIORI-1ST
ROCK ISLAND IL 61299

SHIP TO: TRANSPORTATION OFFICER
ROCK ISLAND ARSENAL
BLDG 299 (SIORI-1ST
ROCK ISLAND IL 61299

CUST NO: 145587 C.O.D

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA UPS
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

W524096 180 H 244

PARTS	COMMENTS												
Barrel - 96003 Stock - 96018	Re Powder Coat Trigger Guard Assy Front & Rear Sight Base Re Zinc Scope Base, Rings & Swivel Studs												
<table border="1"> <tr> <td>REPAIRMAN RW</td> <td>PROOF ✓</td> <td>CLEAN ✓</td> <td>TEST AC</td> <td>TARGET AC</td> <td>PATTERN</td> </tr> <tr> <td>GALLERY TESTER RW</td> <td>DATE 9/19/96</td> <td>DATE 10/14/96</td> <td>DATE 10/15/96</td> <td>DATE 10/15/96</td> <td>DATE</td> </tr> </table>		REPAIRMAN RW	PROOF ✓	CLEAN ✓	TEST AC	TARGET AC	PATTERN	GALLERY TESTER RW	DATE 9/19/96	DATE 10/14/96	DATE 10/15/96	DATE 10/15/96	DATE
REPAIRMAN RW	PROOF ✓	CLEAN ✓	TEST AC	TARGET AC	PATTERN								
GALLERY TESTER RW	DATE 9/19/96	DATE 10/14/96	DATE 10/15/96	DATE 10/15/96	DATE								

OFFICE COPY

RD6925 REV. 6/96

FORM APPROVED
OMB No. 0702-0027
Expires Oct 31, 1988

- * The SHIPPER will prepare copies 1 through 4, retain copy 4 and deliver copies 1 through 3 to the Origin Carrier.
- * The CARRIER will deliver copies 1 through 3 to the Destination Carrier.
- * The DESTINATION CARRIER will attach copy 1 (reflecting all signatures) and Standard Form 1113 (Public Voucher for Transportation Charges) to the original Government Bill of Lading, and forward for payment. Copy 2 will be delivered to the Consignee. Copy 3 will be retained.
- * The CONSIGNEE will ensure Destination Carrier surrenders copy 2.

W 55. H096180

Copy 2 will be delivered to the Consignee. Copy 3
W 53 H096 180H244
by the SHIPPER W 366K14

SECTION B - To be completed by each person accepting custody of classified or protected material requiring the use of transportation protective service during transit.

[illegible]

WEAPONS REGISTER

DATE: 08 Mar 1996STOCK # 1005-01-240-2136LOCATION: 15-1-208-21ABOX # 12 QTY _____ COND. F

WEAPONS ACCEPTANCE

DOC# W36QZ453636003A LINES 1SIORI-IOR W Jhe 03/08/96

DOC# _____ LINES _____

SIORI-IOW Returner 03/08/96

DOC# _____ LINES _____

SIORI-IOI Z Baur

DOC# _____ LINES _____

DOC# _____ LINES _____

1.	C6225565	21.	141.	161.	181.
2.		22.	142.	162.	182.
3.		23.	143.	163.	183.
4.		24.	144.	164.	184.
5.		25.	145.	165.	185.
6.		26.	146.	166.	186.
7.		27.	147.	167.	187.
8.		28.	148.	168.	188.
9.		29.	149.	169.	189.
10.		30.	150.	170.	190.
11.		31.	151.	171.	191.
12.		32.	152.	172.	192.
13.		33.	153.	173.	193.
14.		34.	154.	174.	194.
15.		35.	155.	175.	195.
16.		36.	156.	176.	196.
17.		37.	157.	177.	197.
18.		38.	158.	178.	198.
19.		39.	159.	179.	199.
20.		40.	160.	180.	100.

M/F: S/N C6225565
REPAIR/RETURN DAAA09-92-C-0843
DDC NO W52H096248H244 TO
REMINGTON.

CONTRACTORS INFO
UPON RECEIPT OF MATERIEL
CONTACT RITA REDDEN
DSN 793-5711

U.S. GOVERNMENT BILL OF LADING

ORDER

NO. G-7944696

1. TRANSPORTATION COMPANY TENDERED TO EMERY WORLDWIDE		2. SCAC EWCF	3. DATE B/L PREPARED 96.09.11	4. ROUTE ORDER/RELEASE NUMBER 0262500161
5. DESTINATION (Name, address and ZIP code) XR REMINGTON ARMS COMPANY INC FABRICATED PRODUCTS DEPT 14 HOEFLER AVE ILION, NY 13357-1816		6. SPLC (Dest.) 172856000 7. SPLC (Orig.) 386250250	8. ORIGIN (Name, address and ZIP code) TRANSPORTATION OFFICER ROCK ISLAND ARSENAL BLDG 299 (SIORI-IST) ROCK ISLAND, IL 61299-5000	
9. CONSIGNEE (Name, address and ZIP code of installation) XR REMINGTON ARMS COMPANY INC FABRICATED PRODUCTS DEPT 14 HOEFLER AVE ILION, NY 13357-1816		10. GBLOC (Cons.) IOOI CMAH2W	11. SHIPPER (Name, address and ZIP code) TRANSPORTATION OFFICE ROCK ISLAND ARSENAL BLDG 102 (SIORI-IST) (309) 782-1363 ROCK ISLAND, IL 61299-5000 W52H1C	
12. APPROPRIATION CHARGEABLE 2162020 6D 6D02 P421010.12 (TMIL) 2217 S11116			13. BILL CHARGES TO (Dept./agency, bureau/office mailing address and ZIP code) DEFENSE FINANCE AND ACCOUNTING SVC INDIANAPOLIS CENTER TRANSPORTATION OPS. (DFAS-I-THA) INDIANAPOLIS, IN 46249-0611 AGENCY LOC CODE W53QRD	
14. VIA (Route shipment when advantageous to the Government)			15. MARKS AND ANNOTATIONS (if extra services are ordered, see Administrative Directions No. 2 on reverse) EQUIPMENT 1 CS: DOD CONSTANT SURVEILLANCE SERVICE AUTH# CS 12DK0034 (111) SHIPPER TO LOAD AND CONSIGNEE TO UNLOAD. TP:1 DDD:96.09.13 GLAM-02-6250016-01	

16. PACKAGES		17. HM	18. DESCRIPTION OF ARTICLES (Use carrier's classification or tariff description if possible; otherwise use a clear nontechnical description)	19. WEIGHT* (Pounds only)	FOR USE OF BILLING CARRIER ONLY		
NO.	KIND				Services	Rate	Charges
			CLASSIFICATION ITEM NO. 999913 FAK, RVNE \$2.50 PER LB THIS BL CONSISTS OF 1 PAGE				
1	PT		M/F: S/N C6225565 REPAIR/RETURN DAAA09-92-C-0843 DOC NO W52H096248H244 TCN: W52H096248H244XXX CU:22.0 1J DIM: 0050L0040W0019H RIFLE NSN: 1005-01-240-2136	155			
1	PT		TOT QTY:155 P CU:22.0	155	TOTAL CHARGES		

20. TARIFF/SPECIAL RATE AUTHORITY EWCF 000002-00		21. PICKUP SERV. FURNISHED ☒ YES VEHICLE FULLY LOADED ☐ YES		SHIPPER'S INITIALS CF	22. CARRIER WAY/FREIGHT BILL NO. AND DATE	
23. STOP THIS SHIPMENT AT		24. FURNISH INFORMATION ON CAR/TRUCKLOAD/CONTAINER SHIPMENTS				
		INITIALS & NO.	SEAL NUMBERS	LENGTH/CUBE	MARKED CAPACITY	DATE FURNISHED
		EWCF:		ORDERED	FURNISHED	
FOR:		APPLIED BY:				
25. CARRIER'S PICKUP DATE (Year, month, & day) 96.09.12		26a. SIGNATURE OF AGENT		26b. PER EWCF	B/L NUMBER G-7944696	
27. MODE B	28. ESTIMATE 777	29. NO. OF CLS/TLS 1	30. TYPE RATE 9	31. PSC CS	32. REASON Received by the transportation company named above, subject to conditions named on the reverse hereof, the property hereinafter described, in apparent good order and condition (contents and value unknown), to be forwarded to destination by the said company and connecting lines, there to be delivered in like good order and condition to said consignee.	

FOR USE OF ISSUING OFFICE				IMPORTANT	
33a. ISSUING OFFICE (Name and complete address) TRANSPORTATION OFFICE ROCK ISLAND ARSENAL BLDG 102 (SIORI-IST) (309) 782-1363 ROCK ISLAND, IL 61299-5000				33b. GBLOC GLAM	
33c. ISSUING OFFICER WENDELIN MCCULLOUGH, TRANSPORTATION OFFICER				33e. DATED	
33d. CONTRACT/PURCHASE ORDER NO. OR OTHER AUTHORITY					
33f. FOB POINT NAMED IN CONTRACT					

THE ORIGIN CARRIER OR ITS AGENT IS TO RECEIVE:

U.S. Government Bill of Lading-Original, SF 1103
This Shipping Order, SF 1104
U.S. Government Freight Waybill-Original, SF 1105
U.S. Government Freight Waybill-Carrier's Copy, SF 1106

THE ORIGIN CARRIER OR ITS AGENT IS NOT TO RECEIVE THE CONSIGNEE'S MEMORANDUM COPY, SF 1103-B.

*Show also cubic measurements for shipments via air, truck or water carrier in cases where required.

1104-121-01

PINK

STANDARD FORM 1104 (REV. 4-85)
PRESCRIBED BY GSA, FPMR (41 CFR) 101-41.3

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

M2400148596

21 DAY TURN - AROUND

*Barrel
Stock*

M-24

CONTRACT # DAAA09-92-C-0834

R&E NO.

SERIAL NO.

C6225565

LOG IN DATE: / /		DATE	INT.
INSPECT & VERIFY:			
OP. #	OP. NAME		
550	DIS-ASSEMBLE GUN		
560 A	RE-BARREL AT CUSTOM SHOP	<i>9/18/96</i>	
B	DRILL & TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	<i>9/19/96</i>	<i>Rev</i>
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	<i>10/15/96</i>	<i>Rev</i>
655	FINAL INSPECT	<i>10/18/96</i>	<i>Rev</i>
660	PACK		

QAR INSPECTION

SHIP DATE

Final Inspection

Sn: C6225565 DATE REC'D: 9/17/96 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: _____

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225565
3 Jan 1900

CENTROIDAL DISTANCES

0 TO	1	.328258
1 TO	2	.580195
1 TO	3	.228528
1 TO	4	.287903
1 TO	5	.0823893

$\frac{2}{\pi}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1422
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1114
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .18064

THE AMR FOR THIS RIFLE IS: 1.111

2 Jan 1968

FILE:/PATTERNING/CENTERFIRE PATT/08225565

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 6

HS= 4.824

VS= 2.367

GS= 4.846

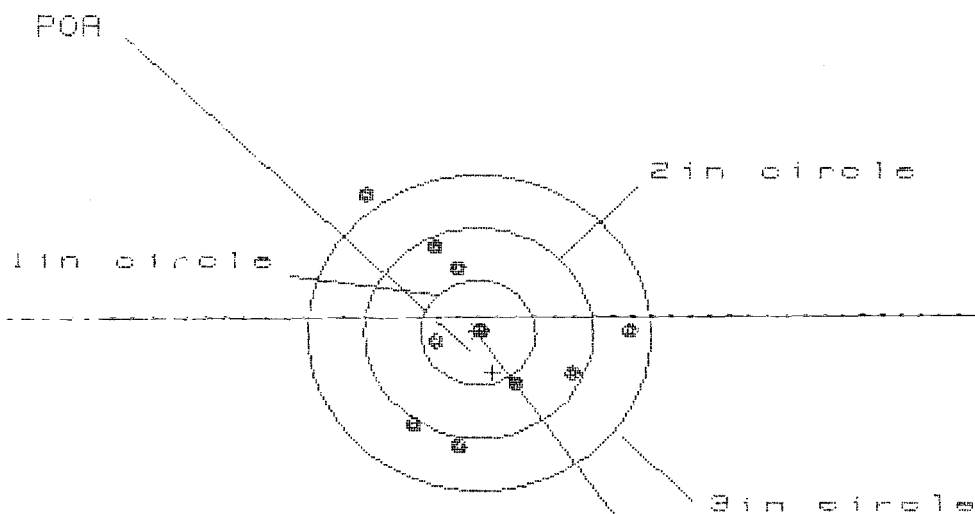
PATTERN #				
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.584	1.587	1.342

MINIMUM X	:	-2.240	-1.953	-1.616
MAXIMUM Y	:	1.169	1.036	.927
MINIMUM Y	:	-1.198	-.927	-1.036
CENTROID X	:	.328	.041	.285
CENTROID Y	:	.013	.146	.255
POA TO CENTROID in.	:	.329	.152	.382
MIN RADIUS	:	.275	.268	.240
MEAN RADIUS	:	1.208	1.016	.825
MAX RADIUS	:	2.848	2.137	1.632
HORIZONTAL SPREAD	:	4.824	3.540	2.959
VERTICAL SPREAD	:	2.367	1.963	1.963
EXTREME SPREAD	:	4.846	4.019	3.176
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		6	

2 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6225565

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.914

VS= 2.399

GS= 2.649

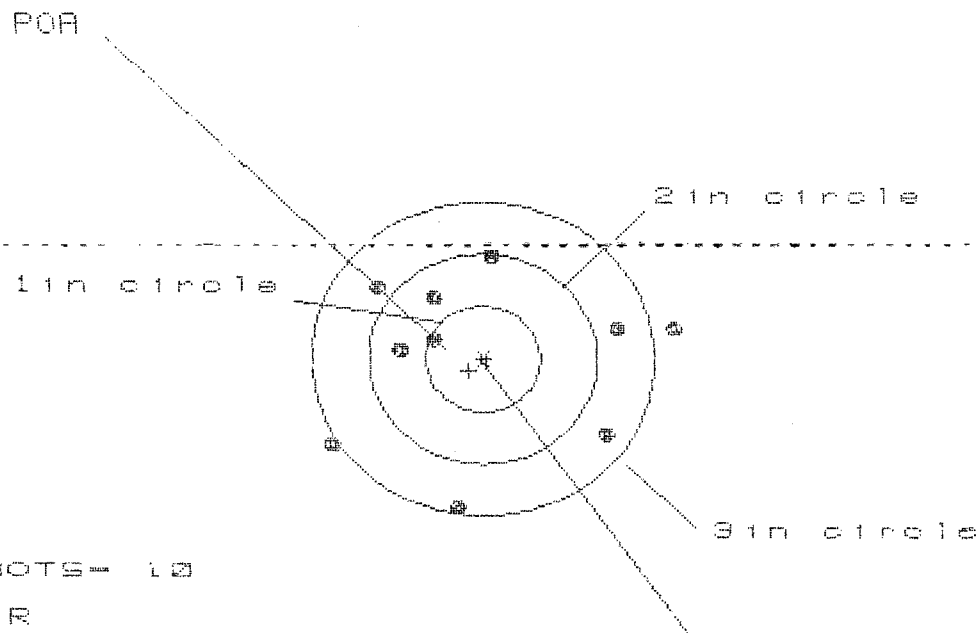
CENTROID #

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.368	1.254	.901
MINIMUM X	-.954	-.723	-.566
MAXIMUM Y	1.320	.994	1.016
MINIMUM Y	-1.079	-.933	-.911
CENTROID X	-.123	-.017	-.174
CENTROID Y	.378	.232	.210
POA TO CENTROID in.	.398	.232	.272
MIN RADIUS	.073	.222	.248
MEAN RADIUS	.873	.789	.714
MAX RADIUS	1.628	1.266	1.063
HORIZONTAL SPREAD	2.514	1.977	1.467
VERTICAL SPREAD	2.399	1.927	1.927
EXTREME SPREAD	2.649	2.160	1.938
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

2 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6225565

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 8

HS- 2.977

VS- 2.468

GS- 3.179

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.689	1.383	1.246
MINIMUM X	:	-1.288	-1.101	-.868
MAXIMUM Y	:	1.003	1.035	.935
MINIMUM Y	:	-1.465	-1.433	-1.533
CENTROID X	:	.124	-.063	.074
CENTROID Y	:	.116	.084	.184
POA TO CENTROID in.	:	.170	.105	.199
MIN RADIUS	:	.454	.303	.387
MEAN RADIUS	:	1.129	1.024	.983
MAX RADIUS	:	1.712	1.473	1.547
HORIZONTAL SPREAD	:	2.977	2.484	2.114
VERTICAL SPREAD	:	2.468	2.468	2.468
EXTREME SPREAD	:	3.179	2.716	2.484
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

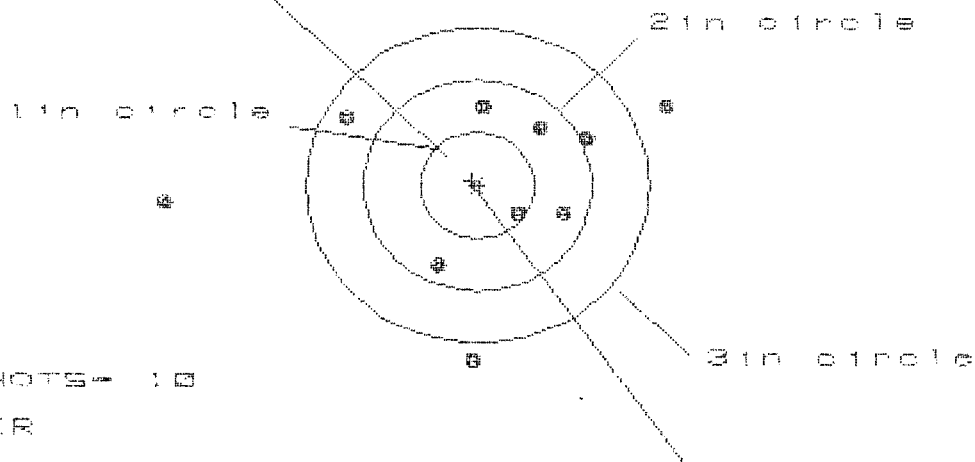
2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225565

CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 4

CENTROID *

MS= 4.462

VS= 2.387

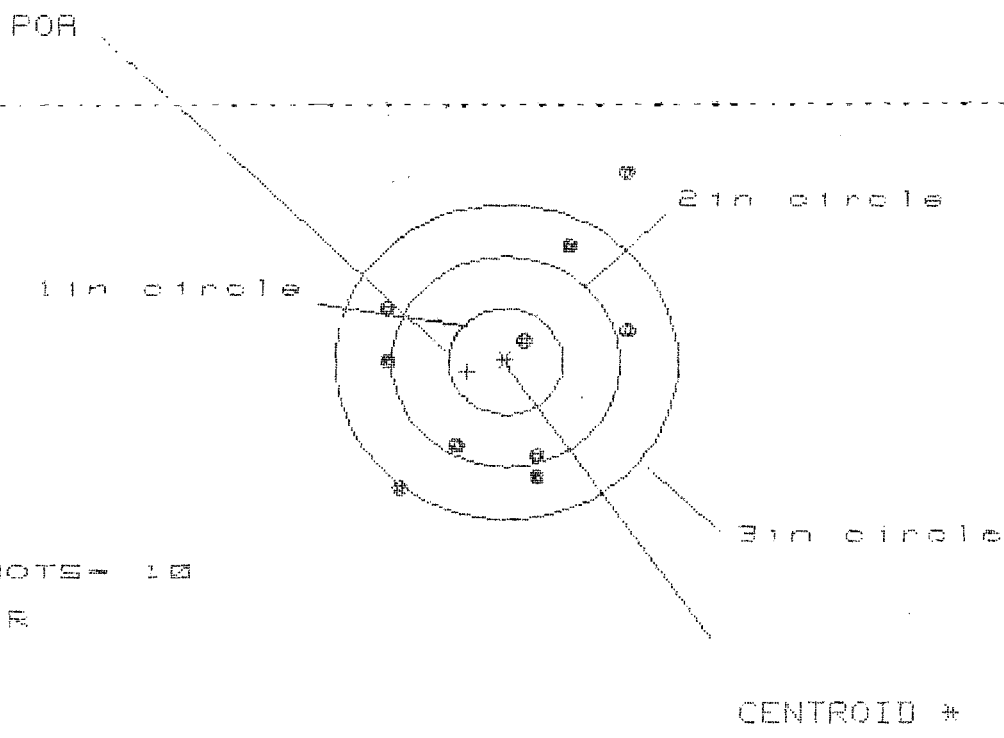
GS= 4.566

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.676	1.367	.780
MINIMUM X	:	-2.786	-1.438	-1.267
MAXIMUM Y	:	.778	.757	.803
MINIMUM Y	:	-1.609	-1.630	-1.536
CENTROID X	:	.046	.355	.184
CENTROID Y	:	-.045	-.024	-.118
POA TO CENTROID in.	:	.064	.356	.219
MIN RADIUS	:	.442	.279	.287
MEAN RADIUS	:	1.213	.964	.904
MAX RADIUS	:	2.792	1.662	1.544
HORIZONTAL SPREAD	:	4.462	2.805	2.047
VERTICAL SPREAD	:	2.387	2.387	2.339
EXTREME SPREAD	:	4.566	2.925	2.489
NUMBER IN ONE INCH CIRCLE	=	1	5	7
NUMBER IN TWO INCH CIRCLE	=	5	7	7
NUMBER IN THREE INCH CIRCLE	=	7	7	7

2 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6225565

CENTERFIRE PATTERNS # 5



* OF SHOTS - 10

IN CIR

1in = 1

2in = 3

3in = 9

HS= 2.082

VS= 2.946

GS= 3.547

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.072	1.162	1.063
MINIMUM X	:	-1.010	-.891	-.990
MAXIMUM Y	:	1.788	1.349	1.230
MINIMUM Y	:	-1.158	-.960	-1.029
CENTROID X	:	.336	.217	.316
CENTROID Y	:	.095	-.103	.017
POA TO CENTROID in.	:	.350	.241	.316
MIN RADIUS	:	.262	.493	.339
MEAN RADIUS	:	1.130	1.002	.967
MAX RADIUS	:	2.084	1.502	1.351
HORIZONTAL SPREAD	:	2.082	2.053	2.053
VERTICAL SPREAD	:	2.946	2.309	2.259
EXTREME SPREAD	:	3.547	2.723	2.271
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	