

G-664 5331
Replac
C-622 5571

Repair Inquiry

Repair Number: RE00130077

Serial: C6225571 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Minimize

Verify Repair

Status:

New 6/6/2007 7:18:10 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEPARTMENT OF THE ARMY SUPPLY OFFICER

DEPARTMENT OF THE ARMY SUPPLY OFFICER

Address 1: DOL SISA BLDG 9660 BAY A

DOL SISA BLDG 9660 BAY A

Address 2: BOX 339500 MS 181

PO Box:

BOX 339500 MS 181

PO Box:

City: FORT LEWIS

FORT LEWIS

State: WA

Zip Code: 98433

Country: US

State: WA

Zip Code: 98433

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
A017	Scope Base	1
D000	FRONT BASE	1

Repair Search

Refresh

Close

nagletj

6/6/2007

8:10 AM

CAPS

NUM

INS

SCRL

start

4 Mi...

4 Int...

Arms ...

Part S...

2 Mi...

2 SA...

8:10 AM

Serial Number: ~~C6225571~~

Model: M24 SWS



RE00130077

'NEW' G6645331

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6645331.___0
FILE DATE AND TIME: 07/23/2007 14:58

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.037
The Average Y Centroid of the Five Target Set:	-0.084
The Average Point of Impact of the Five Target Set:	0.092
The Average Mean Radius of the Five Target Set:	0.704
The Distance from POA to Centroid Target #1:	0.311
The Distance from Centroid Target #2 to Centroid Target #1:	0.439
The Distance from Centroid Target #3 to Centroid Target #1:	0.415
The Distance from Centroid Target #4 to Centroid Target #1:	0.508
The Distance from Centroid Target #5 to Centroid Target #1:	0.631

SERIAL NUMBER: G6645331. __ 0

TARGET NUMBER: 1

FILE DATE: 07/23/2007

FILE TIME: 14:58

POINT#	X	Y
--------	---	---

1:	0.241	-0.767
----	-------	--------

2:	0.699	-0.144
----	-------	--------

3:	0.330	0.042
----	-------	-------

4:	0.591	0.245
----	-------	-------

5:	0.411	0.474
----	-------	-------

6:	-0.049	0.760
----	--------	-------

7:	-0.310	0.255
----	--------	-------

8:	-0.726	0.376
----	--------	-------

9:	-0.851	-0.176
----	--------	--------

10:	0.156	2.001
-----	-------	-------

X CENTROID: 0.049

Y CENTROID: 0.307

POA TO CENTROID: 0.311

HORZ SPREAD: 1.550

VERT SPREAD: 2.768

GROUP SPREAD: 2.769

MIN RADIUS: 0.363

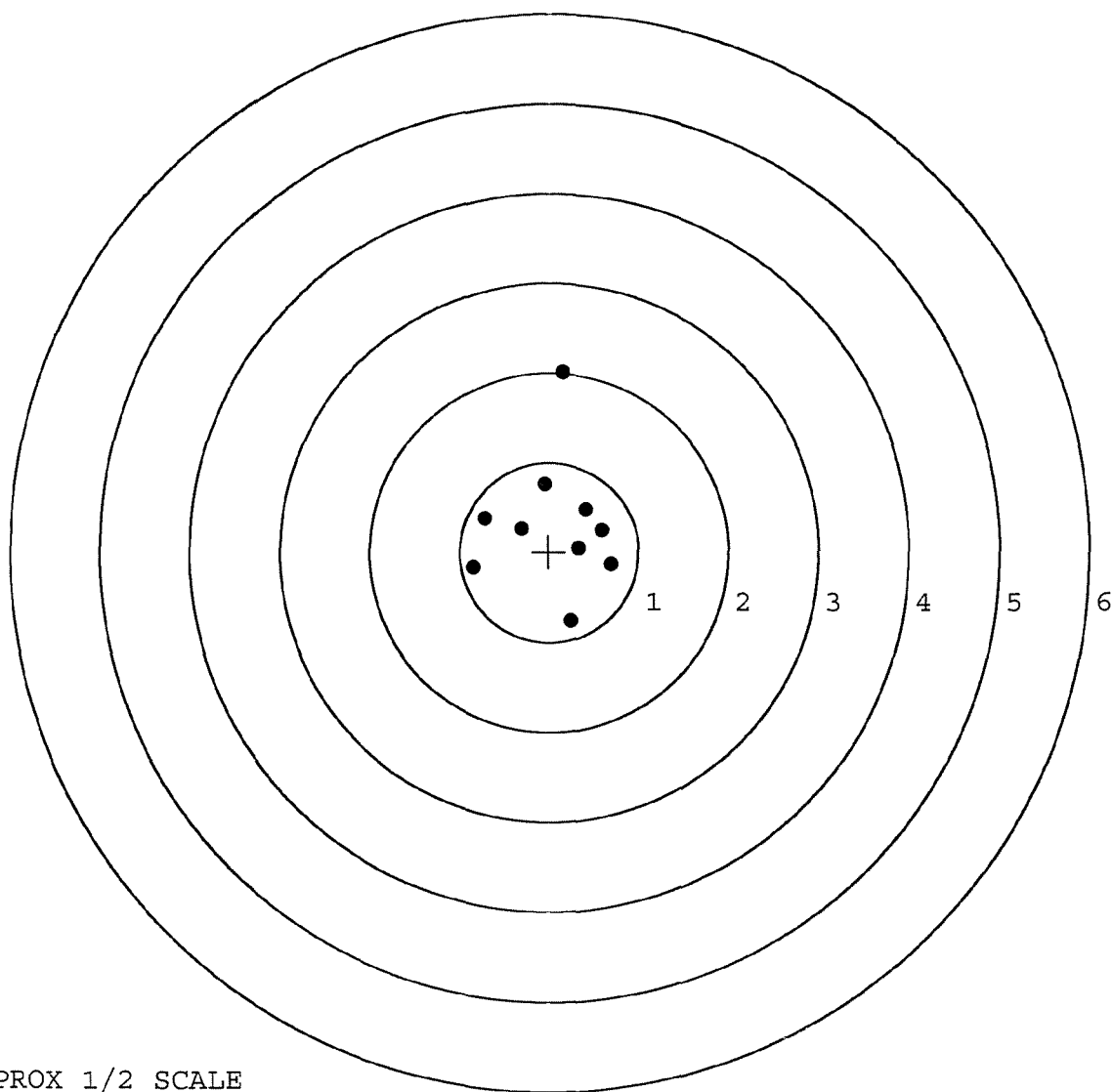
MAX RADIUS: 1.698

MEAN RADIUS: 0.754

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6645331. __0

TARGET NUMBER: 2

FILE DATE: 07/23/2007

FILE TIME: 14:58

POINT#	X	Y
1:	0.916	-0.135
2:	-0.348	-1.021
3:	-0.529	-0.555
4:	0.338	-0.146
5:	0.383	0.177
6:	0.118	0.316
7:	-0.135	0.680
8:	-0.183	0.018
9:	-0.480	-0.079
10:	-0.303	-0.522

X CENTROID: -0.022

Y CENTROID: -0.127

POA TO CENTROID: 0.129

HORZ SPREAD: 1.445

VERT SPREAD: 1.701

GROUP SPREAD: 1.714

MIN RADIUS: 0.216

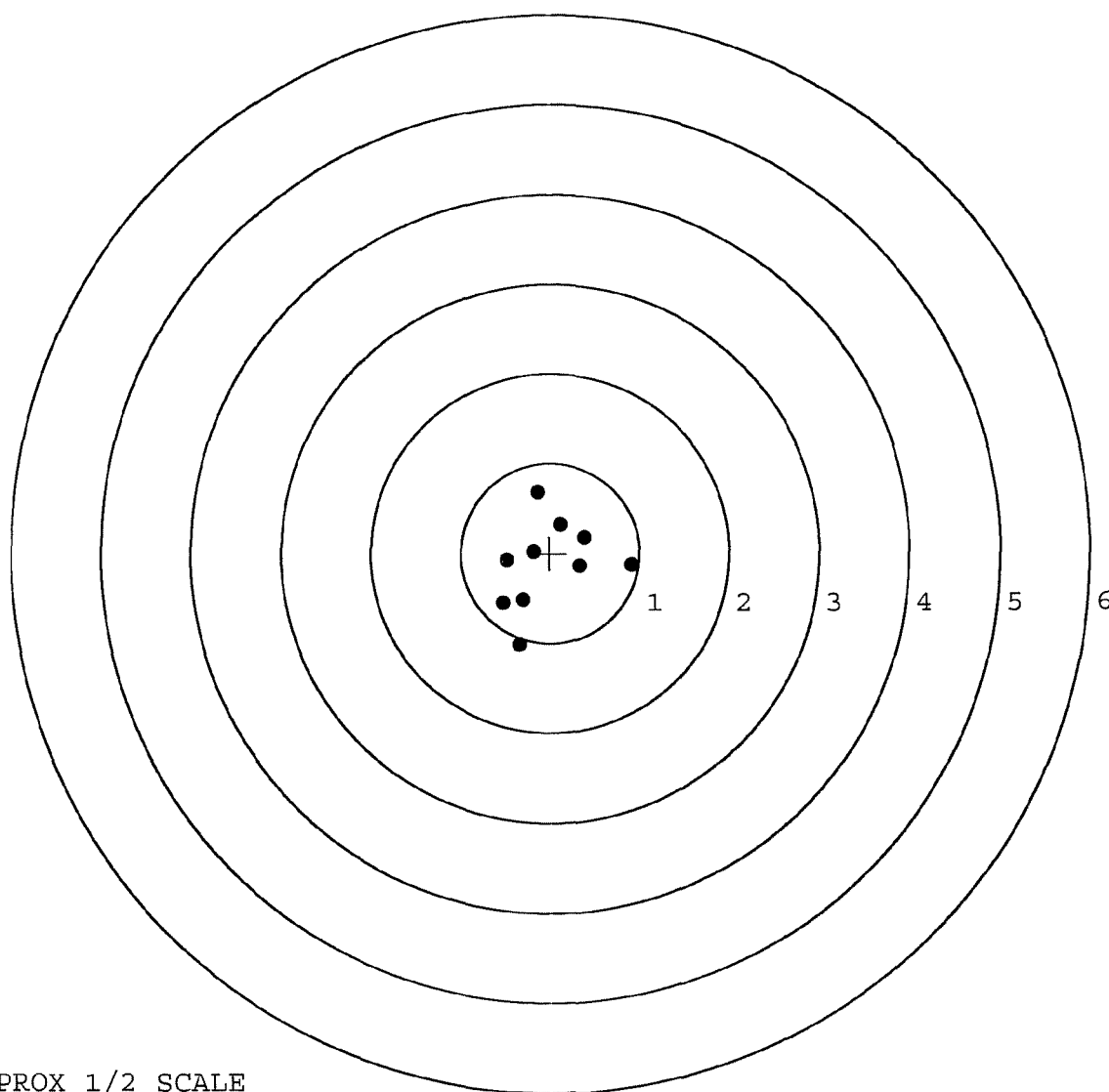
MAX RADIUS: 0.952

MEAN RADIUS: 0.586

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

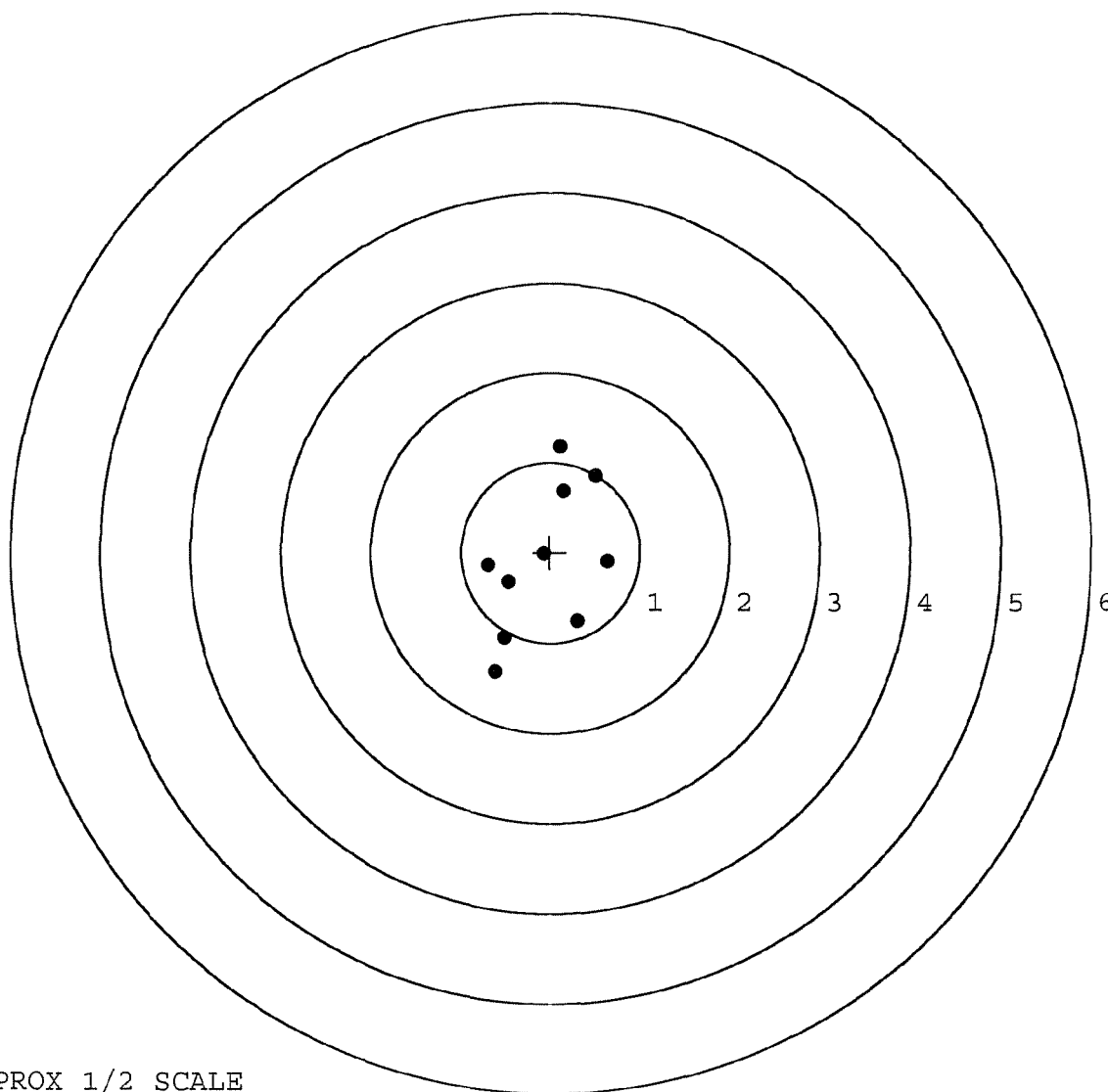


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6645331. __0
TARGET NUMBER: 3
FILE DATE: 07/23/2007
FILE TIME: 14:58

POINT#	X	Y
1:	-0.615	-1.325
2:	-0.518	-0.944
3:	0.303	-0.764
4:	0.644	-0.100
5:	-0.070	-0.017
6:	-0.468	-0.329
7:	-0.698	-0.140
8:	0.152	0.676
9:	0.510	0.847
10:	0.120	1.174

X CENTROID: -0.064
Y CENTROID: -0.092
POA TO CENTROID: 0.112
HORZ SPREAD: 1.342
VERT SPREAD: 2.499
GROUP SPREAD: 2.605
MIN RADIUS: 0.075
MAX RADIUS: 1.350
MEAN RADIUS: 0.815
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

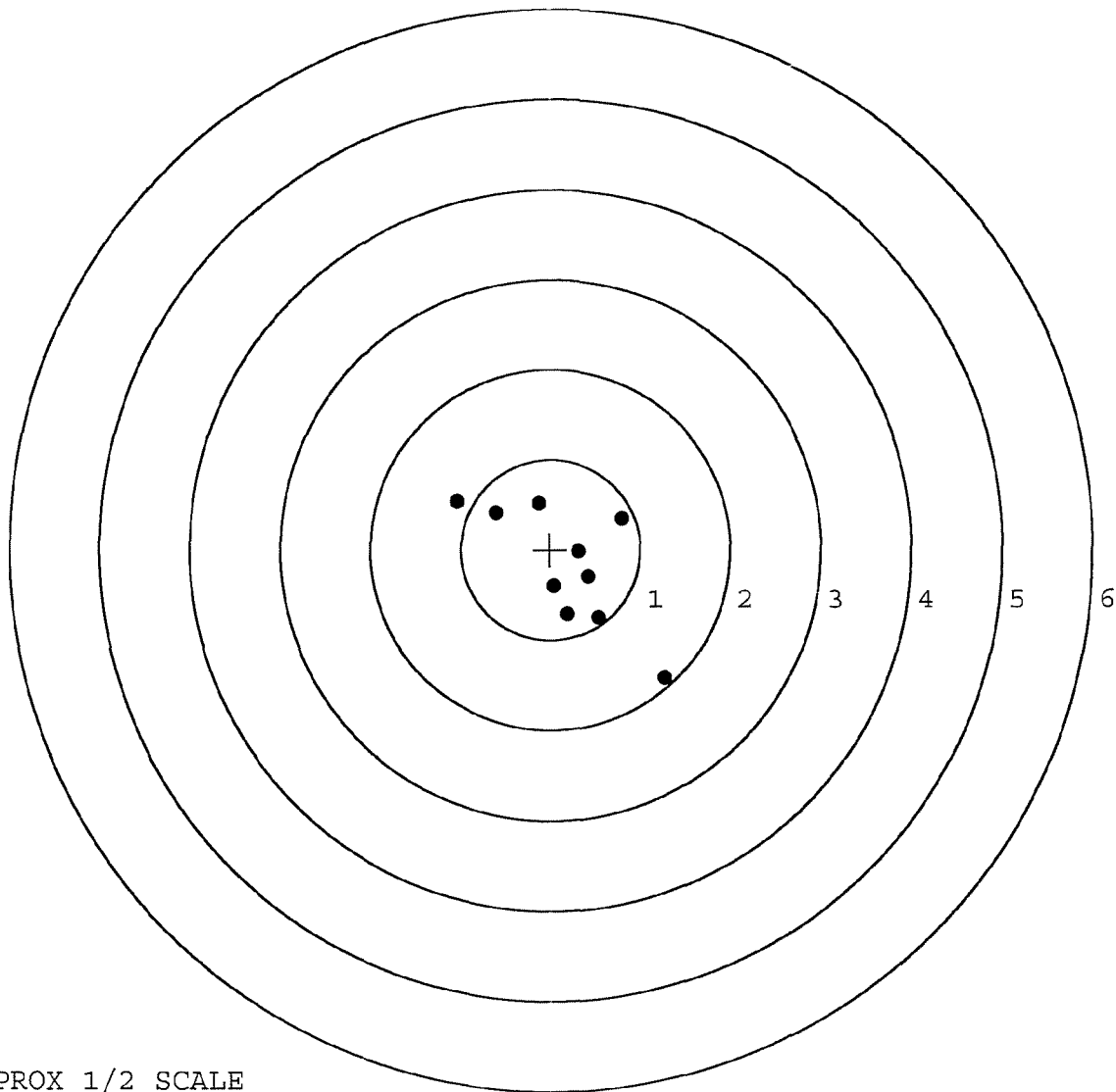


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6645331. __0
TARGET NUMBER: 4
FILE DATE: 07/23/2007
FILE TIME: 14:58

POINT#	X	Y
1:	1.267	-1.430
2:	0.540	-0.758
3:	0.191	-0.726
4:	0.041	-0.408
5:	0.424	-0.302
6:	0.316	-0.014
7:	0.794	0.341
8:	-0.128	0.513
9:	-0.607	0.408
10:	-1.046	0.527

X CENTROID: 0.179
Y CENTROID: -0.185
POA TO CENTROID: 0.257
HORZ SPREAD: 2.313
VERT SPREAD: 1.957
GROUP SPREAD: 3.030
MIN RADIUS: 0.219
MAX RADIUS: 1.653
MEAN RADIUS: 0.760
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

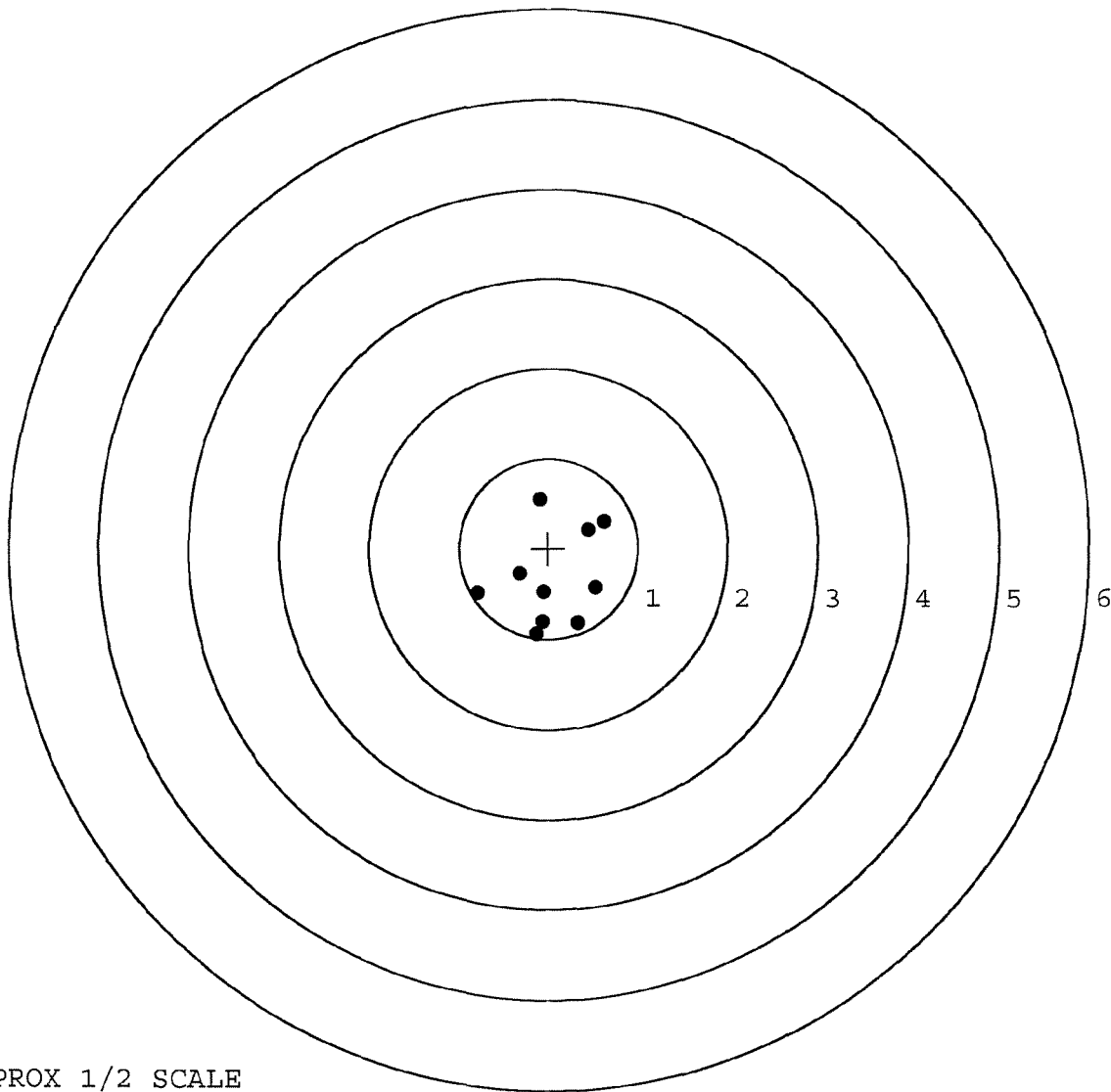


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6645331. 0
TARGET NUMBER: 5
FILE DATE: 07/23/2007
FILE TIME: 14:58

X CENTROID: 0.045
Y CENTROID: -0.324
POA TO CENTROID: 0.327
HORZ SPREAD: 1.422
VERT SPREAD: 1.489
GROUP SPREAD: 1.490
MIN RADIUS: 0.191
MAX RADIUS: 0.878
MEAN RADIUS: 0.605
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.327	-0.826
2:	0.529	-0.438
3:	-0.136	-0.947
4:	-0.069	-0.816
5:	-0.054	-0.488
6:	-0.323	-0.283
7:	0.442	0.213
8:	0.624	0.301
9:	-0.097	0.542
10:	-0.798	-0.499



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 00130077

SERIAL NUMBER ~~C6225571~~ "NEW" G6645331

LOG-IN DATE 6-6-07

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-11-07	LPD
505	RE-BARREL	7-13-07	RTZ
560	ASSEMBLE	7-16-07	TRW
600	PROOF	7-16-07	TRW
605	CHECK HEADSPACE	7-16-07	TRW
610	DIS-ASSEMBLE GUN	7-16-07	RTZ
612	MAGNAFLUX	7-17-07	WML
510	DRILL AND TAP	7-16-07	TRW
615	ROLLMARK CALIBER	7-16-07	CW
618	ROTO-BLAST	7-17-07	LB
620	APPLY COATINGS	7-18-07	CW
625	FINAL ASSEMBLY	7-20-07	RTZ
640	FUNCTION TEST AND	7-23-07	TRW
650	TARGET	7-23-07	TRW
	MALFUNCTION O/H	CORRECTION OK	7-23-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	7-23-07 Fm
670	FINAL INSPECTION	7-24-07	DA
	A) HEADSPACE	PASS FAIL	
	B) TRIGGER PULL	2.63 2.67 2.84 2.85 2.84	7-24-07 DA
		2 LBS MIN 10 LBS MAX	
680	F) SAFETY ON FORCE	4.0 4.0 4.0	7-24-07 DA
		2 LBS	
	G) SAFETY OFF FORCE	2.0 2.0 2.0	7-24-07 DA
	I) FIRING PIN INDENT	.023 .023 .023	7-24-07 DA
690	PACK	7-24-07	DA

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: **RE00043942** Serial: C6225571 Model: 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: New 3/25/02 1:39:01 PM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **DIRECTOR OF LOGISTICS** **DIRECTOR OF LOGISTICS**

Address 1: **ATTN AFZH DLG W** **ATTN AFZH DLG W**

Address 2: **PO Box:** **PO Box:**

City: **FORT LEWIS** **FORT LEWIS**

State: **WA** Zip Code: **98433** Country: **US** State: **WA** Zip Code: **98433** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

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

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Condition: **Poor**

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A017	Scope Base	1

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

maglet 3/25/02 1:43 PM CAPS NUM INS SCRL

Start In... C... S... S... P... A... S... 1:43 PM

Serial Number: **C6225571**

Model: **700**



RE00043942

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225571.__0

FILE DATE AND TIME: 04/06/2002 23:27

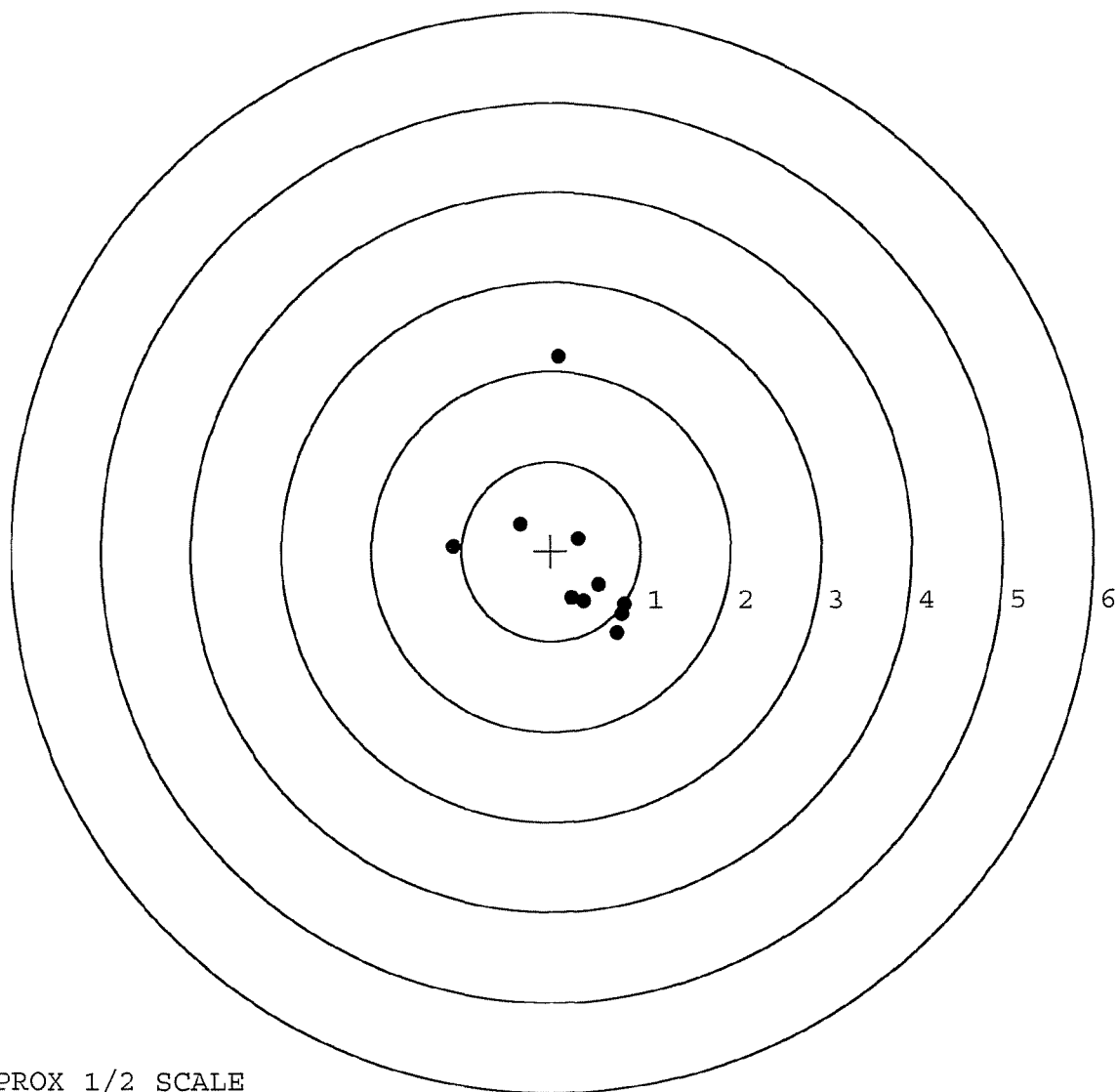
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.098
The Average Y Centroid of the Five Target Set:	-0.052
The Average Point of Impact of the Five Target Set:	0.111
The Average Mean Radius of the Five Target Set:	0.599
The Distance from POA to Centroid Target #1:	0.264
The Distance from Centroid Target #2 to Centroid Target #1:	0.218
The Distance from Centroid Target #3 to Centroid Target #1:	0.174
The Distance from Centroid Target #4 to Centroid Target #1:	0.149
The Distance from Centroid Target #5 to Centroid Target #1:	0.321

SERIAL NUMBER: C6225571. __0
TARGET NUMBER: 1
FILE DATE: 04/06/2002
FILE TIME: 23:27

POINT#	X	Y
1:	-1.092	0.048
2:	-0.345	0.306
3:	0.306	0.145
4:	0.532	-0.385
5:	0.231	-0.524
6:	0.362	-0.561
7:	0.735	-0.915
8:	0.789	-0.711
9:	0.815	-0.602
10:	0.089	2.161

X CENTROID: 0.242
Y CENTROID: -0.104
POA TO CENTROID: 0.264
HORZ SPREAD: 1.907
VERT SPREAD: 3.076
GROUP SPREAD: 3.143
MIN RADIUS: 0.257
MAX RADIUS: 2.270
MEAN RADIUS: 0.841
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

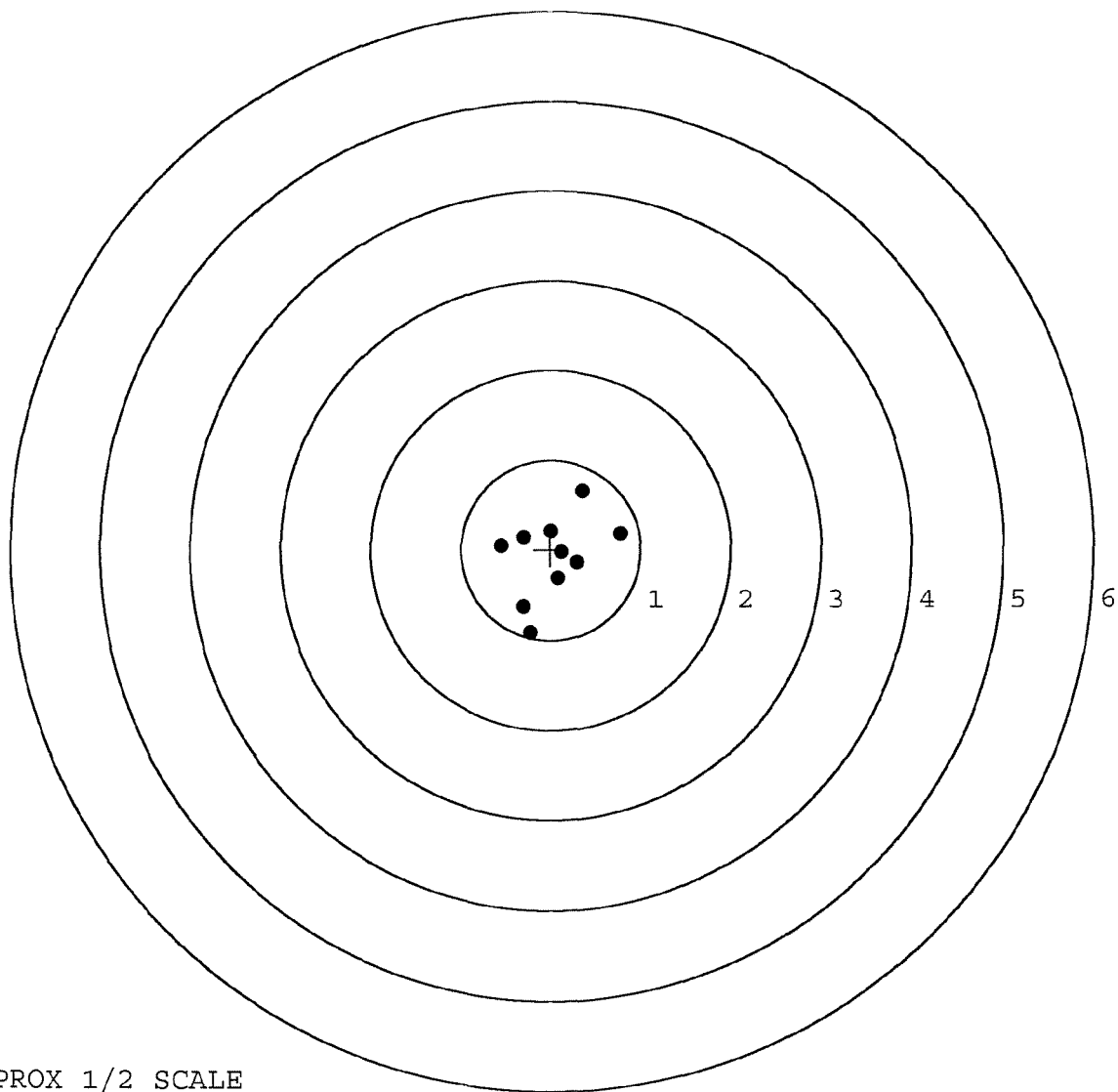


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225571. __0
TARGET NUMBER: 2
FILE DATE: 04/06/2002
FILE TIME: 23:27

POINT#	X	Y
1:	-0.230	-0.925
2:	-0.306	-0.638
3:	0.774	0.176
4:	0.359	0.659
5:	0.296	-0.146
6:	0.083	-0.326
7:	0.123	-0.032
8:	0.008	0.206
9:	-0.305	0.136
10:	-0.547	0.042

X CENTROID: 0.025
Y CENTROID: -0.085
POA TO CENTROID: 0.089
HORZ SPREAD: 1.321
VERT SPREAD: 1.584
GROUP SPREAD: 1.690
MIN RADIUS: 0.111
MAX RADIUS: 0.878
MEAN RADIUS: 0.504
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225571. 0

TARGET NUMBER: 3

FILE DATE: 04/06/2002

FILE TIME: 23:27

POINT#	X	Y
1:	0.624	-0.666
2:	0.073	-0.957
3:	0.616	0.135
4:	0.390	0.122
5:	-0.082	0.573
6:	0.049	0.058
7:	-0.169	-0.013
8:	-0.466	-0.060
9:	-0.271	-0.354
10:	-0.017	0.337

X CENTROID: 0.075

Y CENTROID: -0.150

POA TO CENTROID: 0.167

HORZ SPREAD: 1.090

VERT SPREAD: 1.530

GROUP SPREAD: 1.538

MIN RADIUS: 0.208

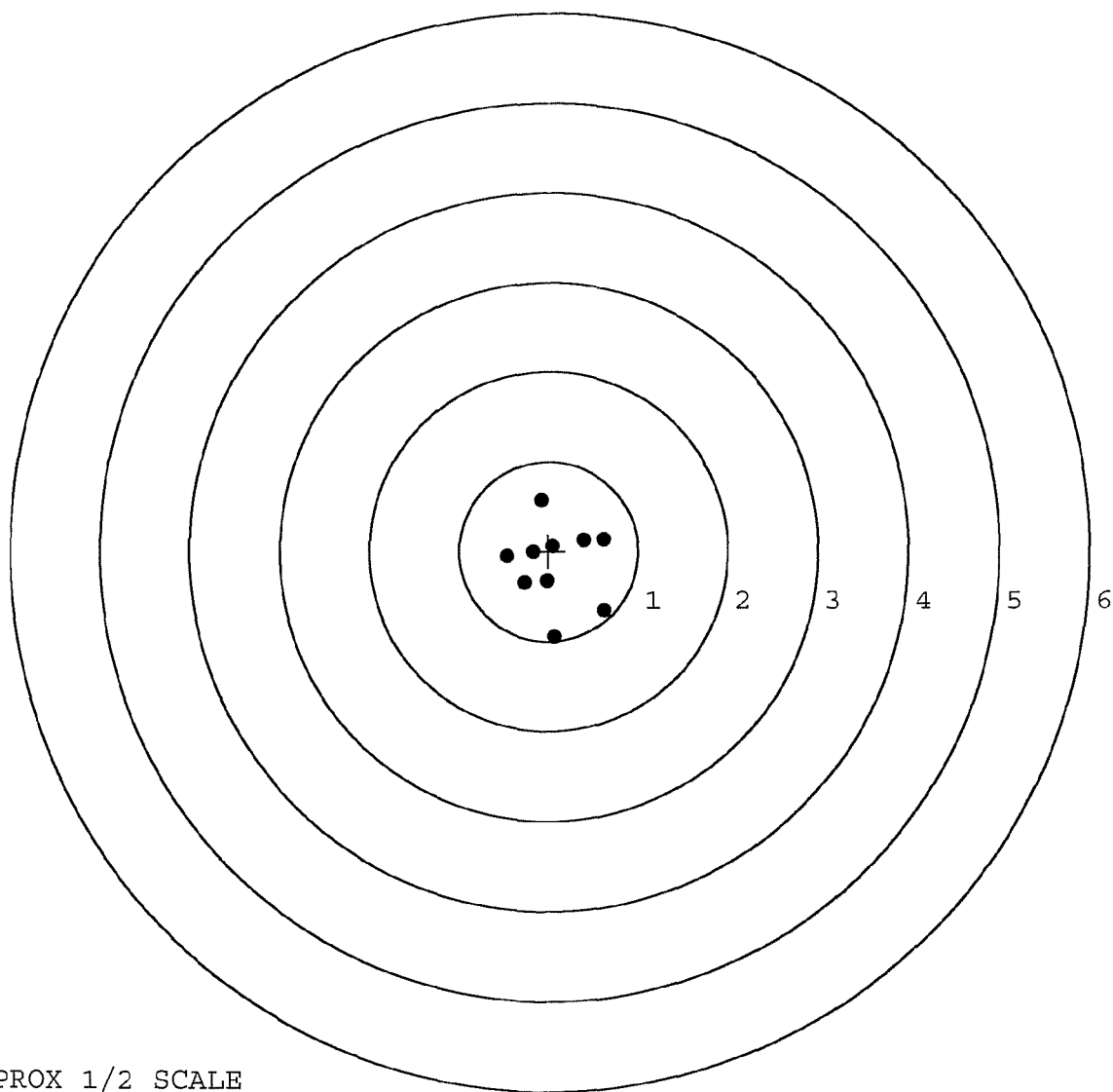
MAX RADIUS: 0.807

MEAN RADIUS: 0.498

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

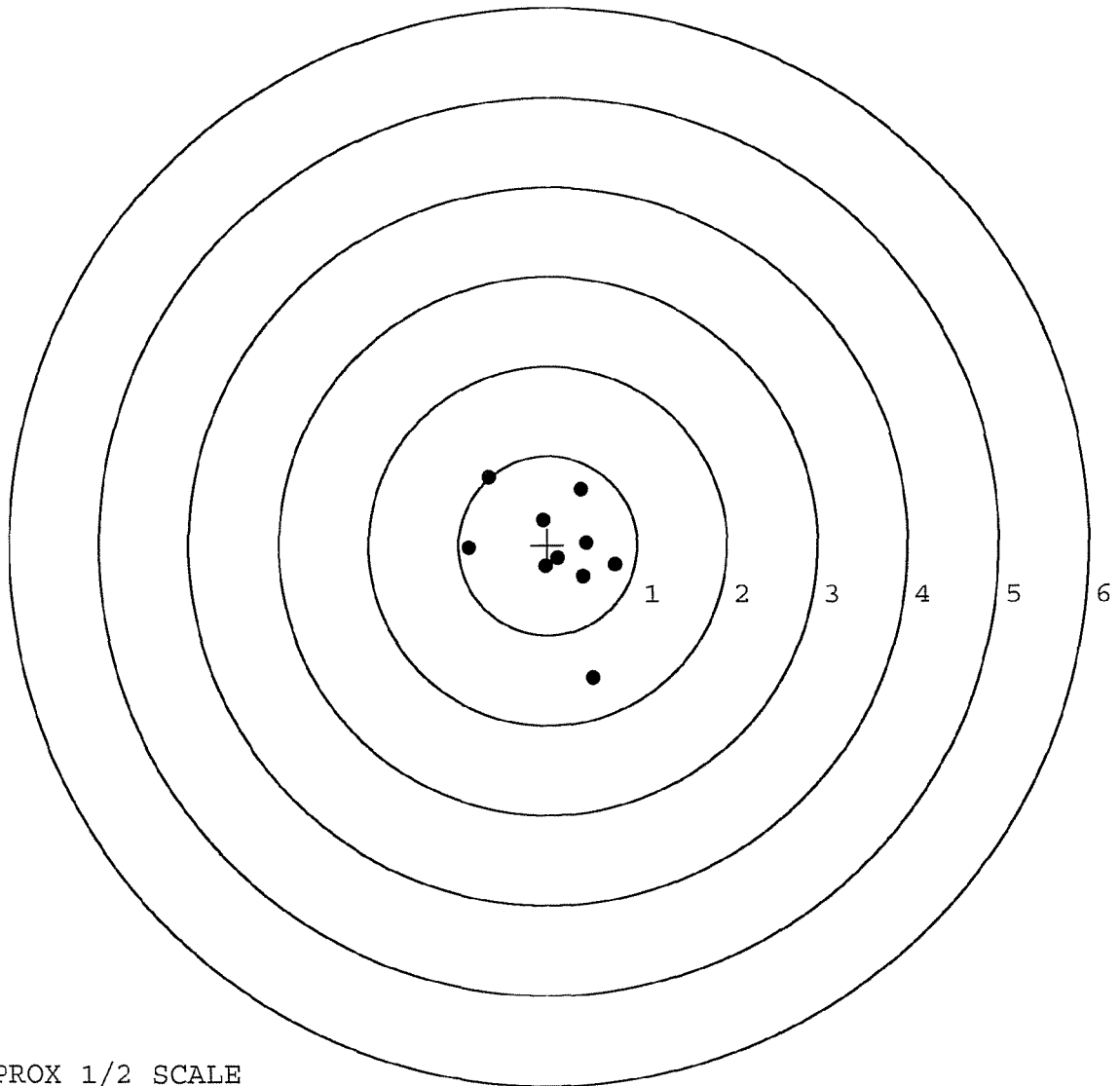


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225571. 0
TARGET NUMBER: 4
FILE DATE: 04/06/2002
FILE TIME: 23:27

POINT#	X	Y
1:	0.507	-1.475
2:	0.760	-0.220
3:	0.440	0.030
4:	0.117	-0.148
5:	-0.026	-0.240
6:	-0.885	-0.032
7:	-0.055	0.285
8:	0.371	0.631
9:	-0.665	0.766
10:	0.399	0.348

X CENTROID: 0.096
Y CENTROID: -0.075
POA TO CENTROID: 0.122
HORZ SPREAD: 1.645
VERT SPREAD: 2.241
GROUP SPREAD: 2.529
MIN RADIUS: 0.076
MAX RADIUS: 1.459
MEAN RADIUS: 0.645
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

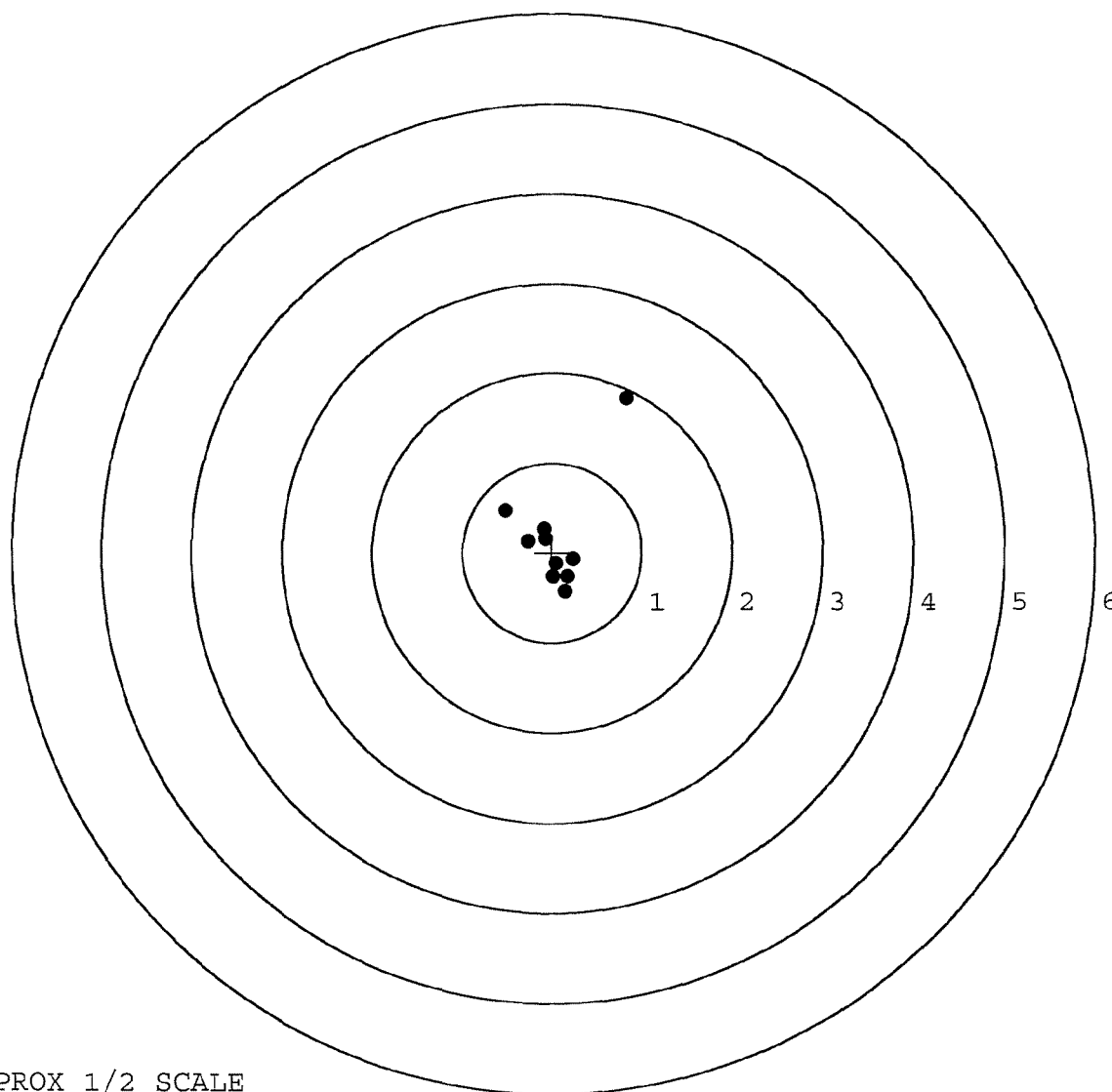


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225571. __0
TARGET NUMBER: 5
FILE DATE: 04/06/2002
FILE TIME: 23:27

POINT#	X	Y
1:	0.832	1.717
2:	-0.521	0.473
3:	-0.082	0.261
4:	-0.268	0.128
5:	-0.070	0.157
6:	0.240	-0.079
7:	0.052	-0.126
8:	0.175	-0.268
9:	0.017	-0.270
10:	0.149	-0.438

X CENTROID: 0.052
Y CENTROID: 0.156
POA TO CENTROID: 0.164
HORZ SPREAD: 1.353
VERT SPREAD: 2.155
GROUP SPREAD: 2.261
MIN RADIUS: 0.122
MAX RADIUS: 1.745
MEAN RADIUS: 0.507
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST CONTRACT #: DAAE-20-97-C-242

R & E NUMBER 43942			
SERIAL NUMBER C10225571			
LOG-IN DATE 3/25/02			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3/26/02	RH
560 A	RE-BARREL AT CUSTOM SHOP	3/26/02	BWT
B	DRILL AND TAP	3/26/02	BWT
C	POLISH		
575	ASSEMBLE	3/26/02	RH
600	PROOF	3-26-02	MAGNAFLUX
605	CHECK HEADSPACE	3-26-02	INSPECTED
610	DIS-ASSEMBLE GUN	3/26/02	3/26/2002
612	MAGNAFLUX		OPERATOR AL
615	ROLLMARK CALIBER	3/28/02	TW
618	ROTO-BLAST	4/1/02	KO
620	APPLY COATINGS	4-3	TA
625 A	FINAL ASSEMBLY	4/3/02	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	4/5/02	RH
655	FINAL INSPECT	4/8/02	RH
660	PACK	4/8/02	DA
		SHIP DATE	
		QAR INSPECTION DATE	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225571

CENTROIDAL DISTANCES

0 TO	1	.485412
1 TO	2	.309958
1 TO	3	.43993
1 TO	4	.569077
1 TO	5	.610066

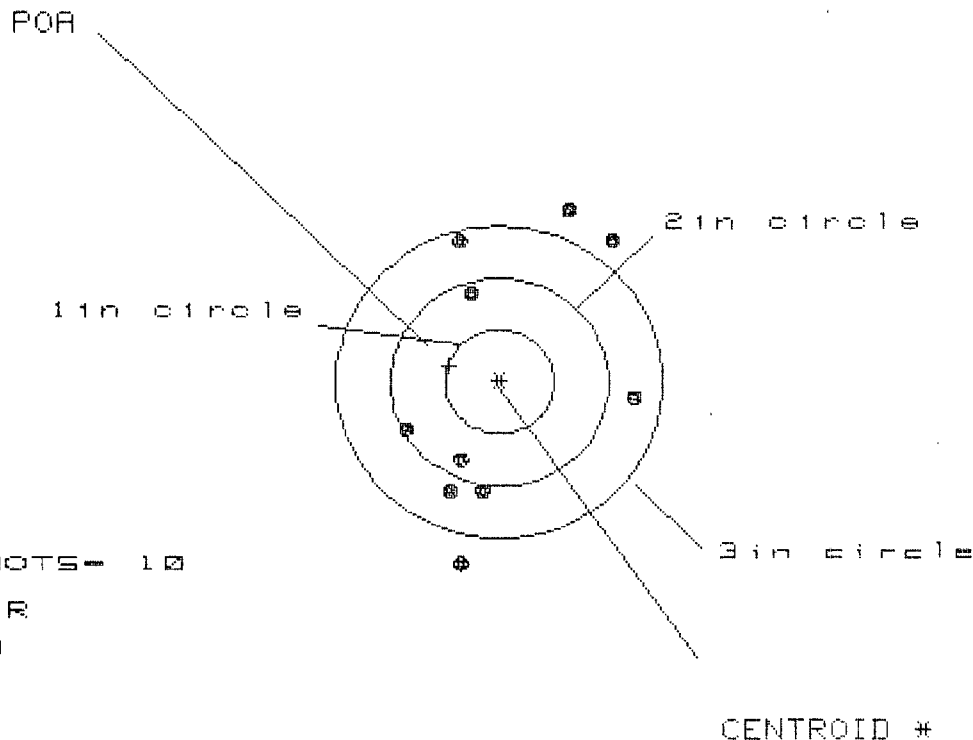
σ^2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .116
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1854
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .218699
THE AMR FOR THIS RIFLE IS: 1.011

30 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225571

CENTERFIRE PATTERNS # 1



OF SHOTS- 10
 # IN CIR
 1 in = 0
 2 in = 3
 3 in = 7
 HS= 2.098
 VS= 3.364
 GS= 3.507

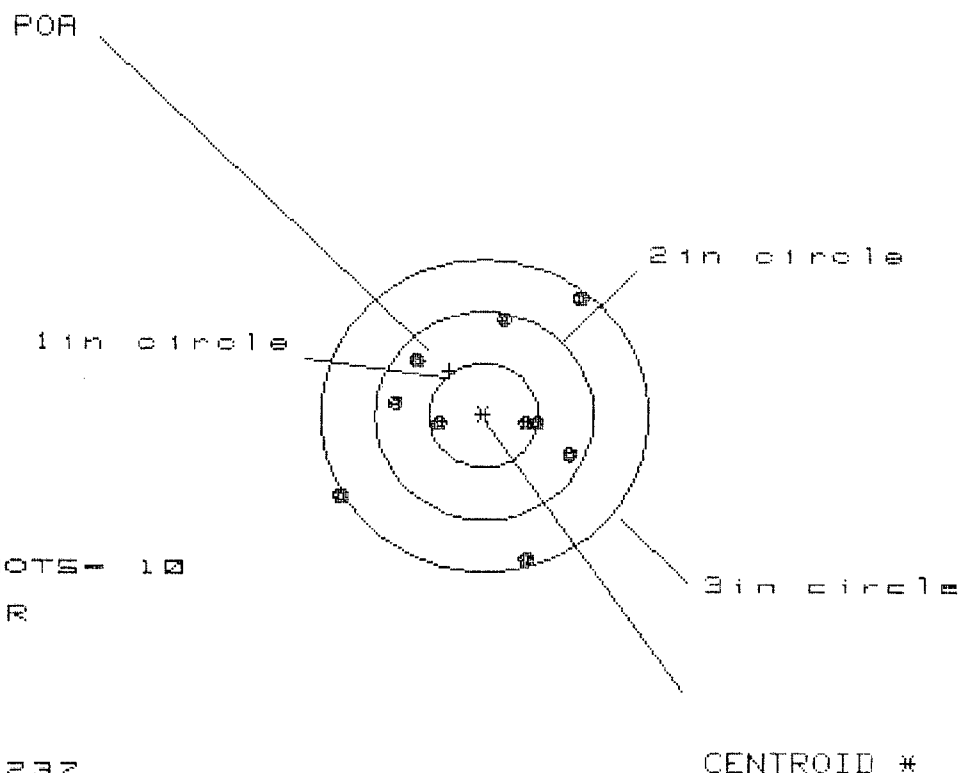
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.219	1.175	1.244
MINIMUM X	-.879	-.923	-.855
MAXIMUM Y	1.643	1.452	1.352
MINIMUM Y	-1.721	-1.234	-1.053
CENTROID X	.461	.505	.436
CENTROID Y	-.152	.039	-.142
POA TO CENTROID in.	.485	.507	.459
MIN RADIUS	.854	.691	.838
MEAN RADIUS	1.275	1.221	1.153
MAX RADIUS	1.767	1.552	1.733
HORIZONTAL SPREAD	2.098	2.098	2.098
VERTICAL SPREAD	3.364	2.686	2.405
EXTREME SPREAD	3.507	2.897	2.863
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

30 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225571

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.237

VS= 2.464

GS= 2.932

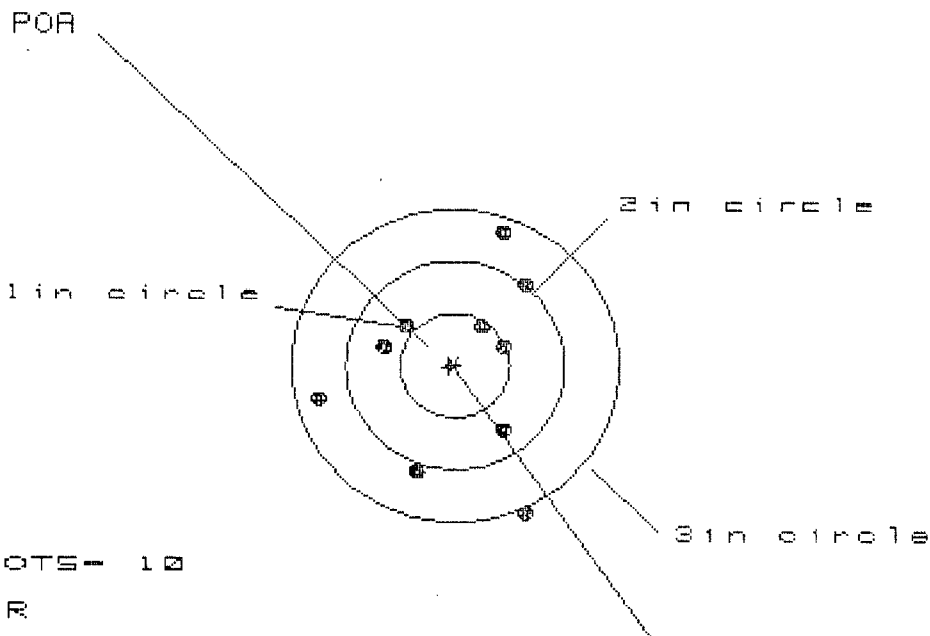
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.879	.729	.758
MINIMUM X	-1.358	-.934	-.905
MAXIMUM Y	1.089	1.000	.817
MINIMUM Y	-1.375	-1.464	-.622
CENTROID X	.318	.468	.439
CENTROID Y	-.427	-.338	-.154
POA TO CENTROID in.	.532	.577	.465
MIN RADIUS	.408	.311	.453
MEAN RADIUS	.914	.822	.742
MAX RADIUS	1.579	1.483	1.114
HORIZONTAL SPREAD	2.237	1.663	1.663
VERTICAL SPREAD	2.464	2.464	1.438
EXTREME SPREAD	2.932	2.513	1.914
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

30 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225571

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 1.950

VS= 2.684

GS= 2.697

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.665	.695	.755
MINIMUM X	:	-1.285	-1.211	-1.151
MAXIMUM Y	:	1.296	1.142	.818
MINIMUM Y	:	-1.388	-1.214	-1.072
CENTROID X	:	.054	-.020	-.080
CENTROID Y	:	.015	.169	.027
POA TO CENTROID in.	:	.056	.171	.084
MIN RADIUS	:	.436	.424	.540
MEAN RADIUS	:	.934	.846	.805
MAX RADIUS	:	1.539	1.290	1.190
HORIZONTAL SPREAD	:	1.950	1.906	1.906
VERTICAL SPREAD	:	2.684	2.356	1.890
EXTREME SPREAD	:	2.697	2.479	2.210
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

30 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225571

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 2.745

VS= 2.755

GS= 3.144

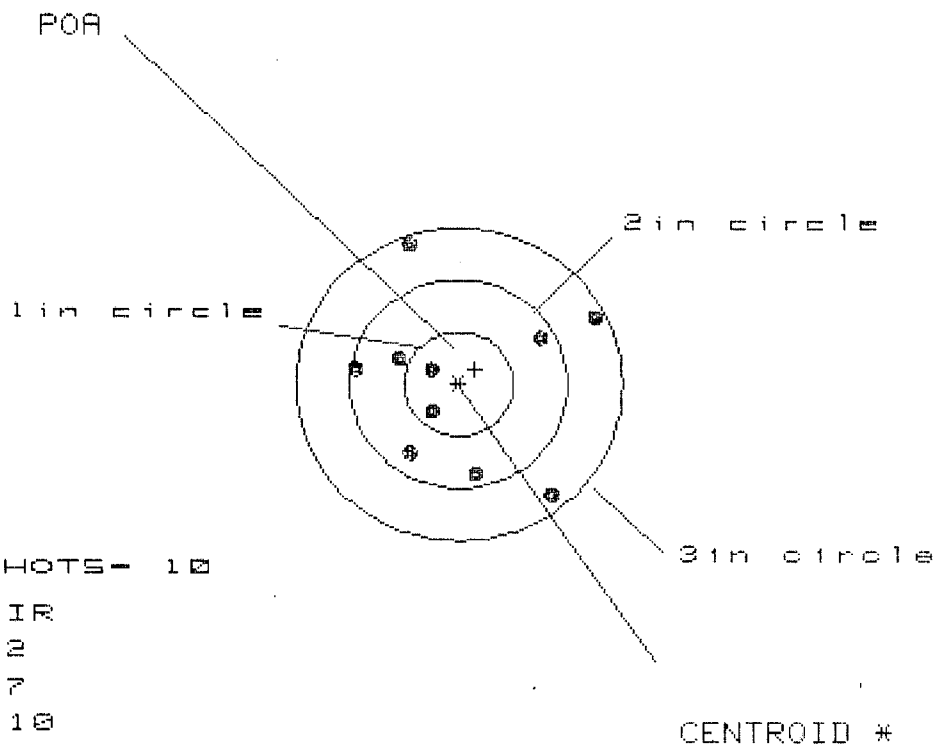
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.339	1.400	1.232
MINIMUM X	:	-1.407	-1.345	-1.017
MAXIMUM Y	:	1.144	.965	.836
MINIMUM Y	:	-1.611	-1.029	-.771
CENTROID X	:	-.104	-.165	.003
CENTROID Y	:	-.220	-.041	.088
POA TO CENTROID in.	:	.243	.170	.088
MIN RADIUS	:	.306	.134	.286
MEAN RADIUS	:	1.032	.927	.860
MAX RADIUS	:	1.704	1.694	1.287
HORIZONTAL SPREAD	:	2.745	2.745	2.249
VERTICAL SPREAD	:	2.755	1.994	1.607
EXTREME SPREAD	:	3.144	3.144	2.395
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

30 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225571

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.266

VS= 2.404

GS= 2.717

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.294	.977	.941
MINIMUM X	-.972	-.828	-.864
MAXIMUM Y	1.340	1.414	.714
MINIMUM Y	-1.064	-.990	-.813
CENTROID X	-.149	-.293	-.257
CENTROID Y	-.143	-.217	-.394
POA TO CENTROID in.	.207	.365	.471
MIN RADIUS	.277	.211	.194
MEAN RADIUS	.900	.795	.708
MAX RADIUS	1.458	1.444	1.243
HORIZONTAL SPREAD	2.266	1.805	1.805
VERTICAL SPREAD	2.404	2.404	1.527
EXTREME SPREAD	2.717	2.717	2.151
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225571

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	8 9/88	9/88	FB
600	Proof	9 7/88	9 7/88	RW
607	Check Headspace	9 7/88	9 7/88	RW
610	Dis-assemble gun	13 12/88	12/88	RW
612	Magnaflux Barrel Action		9-14-88	R/L
	Magnaflux Bolt		9-14-88	R/L
615	Rollmark Caliber		10/12	WC
617	Drill & Tap Sight Holes		10/12	FB
618	Polish Barrel		10/20	WT
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/3/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/3/88	RW
	C) Inspect Ejector Hole for Chamfer		11/3/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		11/3/88	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		3/NOV88	JS
	F) Safety on Force	5 5 5	4/NOV88	JS
	G) Safety off Force	3 3 3	4/NOV88	JS
	H) Trigger Pull Test & Retainability		3/NOV88	JS
	I) Firing Pin Indent	.021 .021 .021	4/NOV88	JS
	J) Assemble Stock		11/16/88	RW
	K) Attach Front & Rear Sight Assemblies		11/16/88	RW
	L) Iron Sight Alignment		11/16/88	RW
	M) Detach Front & Rear Sights & place in numbered container		11/16/88	RW
	N) Attach Scope to Rifle		11/29/88	WB
	O) Detach & Attach Scope 20 times		11/29/88	WB
640	Gallery Target & Test	66R 88L	11/30/88	A.C.
	A) Optical Clarity of Scope		11/30/88	JS
645	Inspect for Live Ammo		11/30/88	JS
655	Final Inspection			
	A) Headspace		1Dec 88	JS
	B) Trigger Pull	2.22 2.25 2.30	2.28 2.25	JS
	C) Function		1Dec 88	JS
	D) Assemble Swivel Studs		1Dec 88	JS
660	Pack		15Dec88	JS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6225571
DATE 3 NOV 88
TESTER J. A. + D. S.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.47	2.58	2.22	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.42	2.52	2.25	
PULL #3	2.53	2.48	2.50	2.30	
PULL #4	2.59	2.46	2.52	2.28	
PULL #5	2.57	2.46	2.52	2.25	
TOTAL	12.51	12.29	12.64	11.30	
AVG.	2.502	2.458	2.528	2.26	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.04	3.02		
PULL #2	3.11	2.97		
PULL #3	3.13	3.01		
PULL #4	3.13	3.05		
PULL #5	3.14	3.05		
TOTAL	15.55	15.00		
AVG.	3.11	3.00		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.04		4.17
PULL #2	4.05	3.94		4.15
PULL #3	4.06	4.07		4.12
PULL #4	4.05	4.08		4.12
PULL #5	4.07	4.06		4.11
TOTAL	20.35	20.19		20.67
AVG.	4.07	4.038		4.134

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-24911INITIAL
JJM

CUSTOMER ORDER NO.

M-24 SNIPER

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

08/29/94

08/30/94

DI 9-88

C6225571

700 7.62

NATO

ACCESSORIES

SCOPE MNTS

SCOPE BASE

FROM:

SHIP TO:

DEPT OF THE ARMY
B CO ARMS
2/75 RANGER BATTALION
FT LEWIS

WA 98433

DEPT OF THE ARMY
B CO ARMS
2/75 RANGER BATTALION
FT LEWIS

WA

98433

CUST NO: 062072, C.O.D.L.

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

FROM 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

New Barrel

PARTS

COMMENTS

Barrel 96003
Mag Spring 15677Repowder Coat Trigger
Guard Assy, Front & Rear
Sight Bases
Re-zinc Scope Base, Rings &
Swivel Studs

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

M2400171702

PACKING LIST		PACKED BY <i>Mr. Ray Fuller</i> <i>WG-10 Bn. Armorer.</i>	1. NO. BOXES <i>1</i>	2a. REQUISITION NO. <i>94243</i>	
				2b. ORDER NO.	
3. END ITEM <i>7.62mm 1124 Sniper Weapons System (SW5)</i>			4. DATE <i>26 July 1994</i>		
			5. PAGE <i>1</i> OF <i>1</i> PAGES		
BOX NO. (a)	CONTENTS - STOCK NUMBER AND NOMENCLATURE (b)	UNIT OF ISSUE (c)	QUANTITIES REQUIRED		
			INITIAL OPERATION (d)	RUNNING SPARES (e)	TOTAL (f)
<i>1</i>	<i>7.62mm 1124 Sniper Weapon System (SW5) Serial No. C6225571</i> <i>NSN: 1005-01-240-2136</i>	<i>EA</i>			<i>1</i>
<i>Note: All Optic Scope Ring mounts Packed</i>					
6. THIS CERTIFIES THAT ITEMS LISTED HEREON ARE WITHIN THE SPECIFIED BOXES					
TYPED NAME AND TITLE			SIGNATURE		
<i>Ray Fuller WG-10 Bn. Armorer</i>			<i>Ray Fuller</i>		

DD FORM 1 SEP 70 1750

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400171703

MAINTENANCE REQUEST				PAGE NO 1	NO OF PAGES	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)			
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG									
SECTION I - EQUIPMENT DATA									
CONTROL NUMBER		WORK ORDER NO. 94243		WESDC		ORG. PD 02		PD AUTHENTICATION DAF 107 IN	
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION Bn Arms HHC 2/75 Rgv. Rgd.		B. LOCATION Fort Lewis, Wa			C. UNIT IDENT CODE WH3M17A		
2. SERIAL NO. C6225571		3. NOUN NOMENCLATURE M24SWR		4. LINE NO.		5. MODEL M24		6. NATIONAL STOCK NUMBER 1005-01-240-2136	
7A. MAINTENANCE ACTIVITY Remington Arms Co. Custom shop		B. LEVEL		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC	
						9C. PACING ITEM		10. HOURS	
								11. MILES	
								12. ROUNDS	
								13. STARTS	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)					15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)				
☐ A Sch. Main. ☒ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☐ D Normal Op ☐ F Inspection ☐ H Other					☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☐ 387 Low Performance ☒ Other				
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). This weapon has fired over 10,000 Rls. During Bench Rest Test Fired at 200/300 Yds, groups were shot - exceeding the criteria of 2.6" at 200 & 3.8" at 300 Yds (5-105 Lot Group -) This criteria was provided us by Mr. Jim Glenn ARDCE O5N 880-7071									
B. REMARKS Request ReBarreling and Complete Weapons Re Conditioning.									
SECTION II - WORK ACCOMPLISHED									
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)		19. AMS ACCT. CODE	
B. LOCATION						☐ 1 TOE ☐ 2 TD ☐ 3 Contractor			
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO.			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER	F. PART SOURCE CODE	G. QTY.	H. PARTS COST
		(1) CB CODE	(2) REF DESIGN	(3) MFR. CODE					
									\$
									\$
									\$
									\$
									\$
									\$
									\$
									\$
									\$
									\$
									\$
									\$
									\$
					I. TOTAL MANHOURS	J. TOTAL MANHOURS COST \$	K. TOTAL PARTS COST \$		
21. DELAY (Select One)					☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools	22. Date Transcribed			
23. SUBMITTED BY Ray Fulk		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY	
JULIAN DATE 4235		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE	
					28. DISPOSITION (Select One)				
					☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged				

Final Inspection

Sn: C622557/

DATE REC'D: 8/29/94

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: _____

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225571
15 Sep 1994

CENTROIDAL DISTANCES

0 TO 1	.584616
1 TO 2	.19906
1 TO 3	.947377
1 TO 4	.653416
1 TO 5	.765622

21
*
3 <----POA

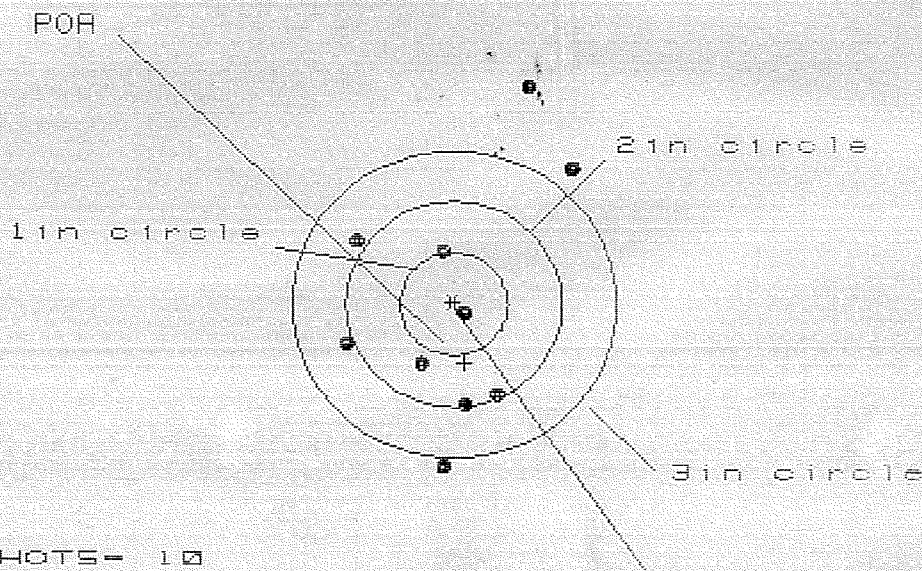
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0704
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0806
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .107016

THE AMR FOR THIS RIFLE IS: 1.044

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225571

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 2.097

VS= 3.709

GS= 3.792

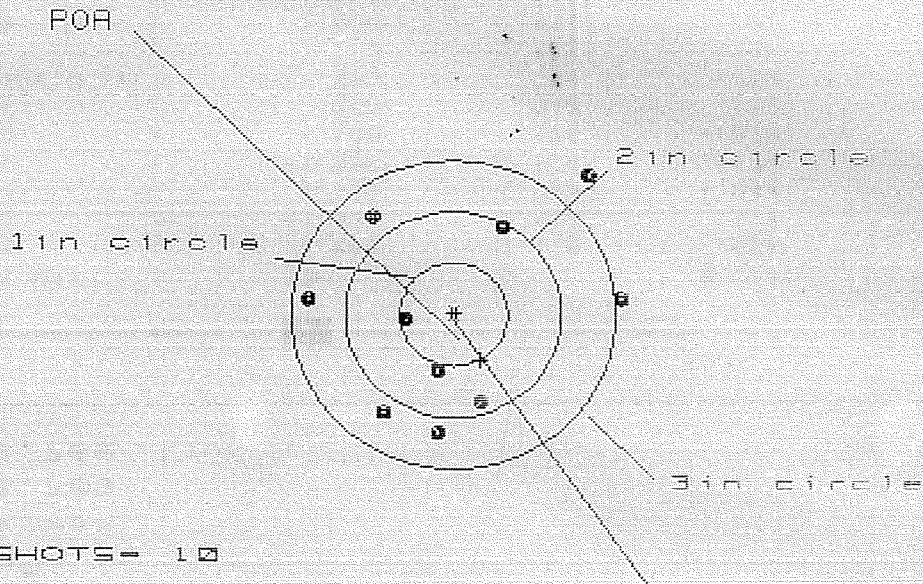
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.062	1.138	.626
MINIMUM X	:	-1.035	-.959	-.817
MAXIMUM Y	:	2.111	1.520	1.044
MINIMUM Y	:	-1.598	-1.364	-1.174
CENTROID X	:	-.100	-.176	-.318
CENTROID Y	:	.576	.342	.152
POA TO CENTROID in.	:	.585	.384	.353
MIN RADIUS	:	.182	.252	.198
MEAN RADIUS	:	1.096	.931	.781
MAX RADIUS	:	2.219	1.899	1.229
HORIZONTAL SPREAD	:	2.097	2.097	1.443
VERTICAL SPREAD	:	3.709	2.884	2.218
EXTREME SPREAD	:	3.792	3.111	2.345
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			7	

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225571

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.823

VS= 2.496

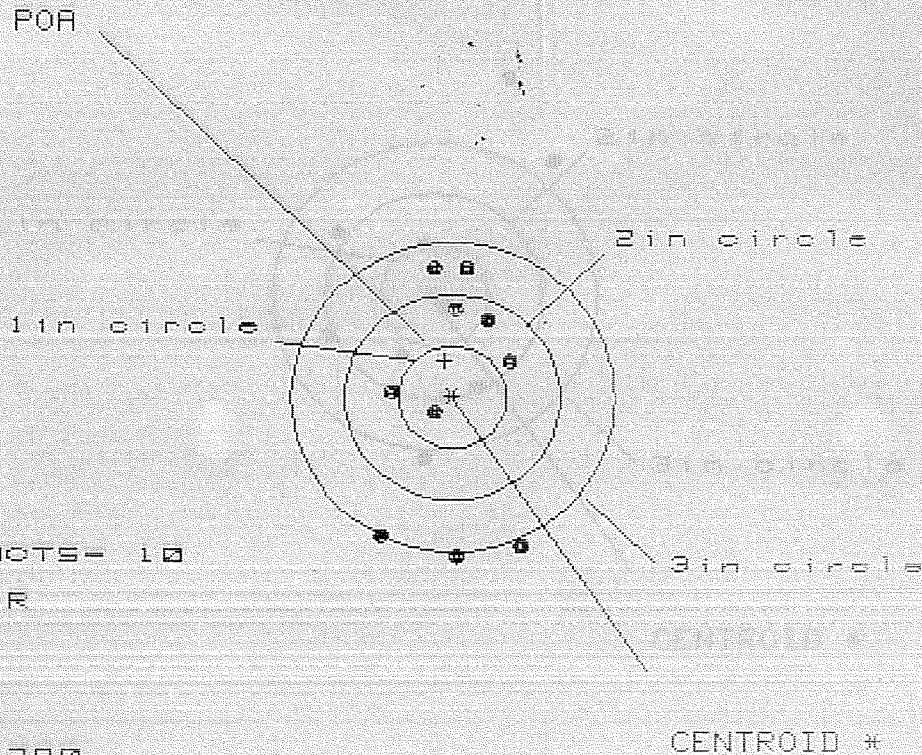
GS= 3.023

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.513
MINIMUM X	:	-1.310
MAXIMUM Y	:	1.332
MINIMUM Y	:	-1.164
CENTROID X	:	-.249
CENTROID Y	:	.444
POA TO CENTROID in.	:	.509
MIN RADIUS	:	.408
MEAN RADIUS	:	1.113
MAX RADIUS	:	1.855
HORIZONTAL SPREAD	:	2.823
VERTICAL SPREAD	:	2.496
EXTREME SPREAD	:	3.023
NUMBER IN ONE INCH CIRCLE =	:	1
NUMBER IN TWO INCH CIRCLE =	:	4
NUMBER IN THREE INCH CIRCLE =	:	9

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/CG225571

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 1.290

VS= 2.795

GS= 2.805

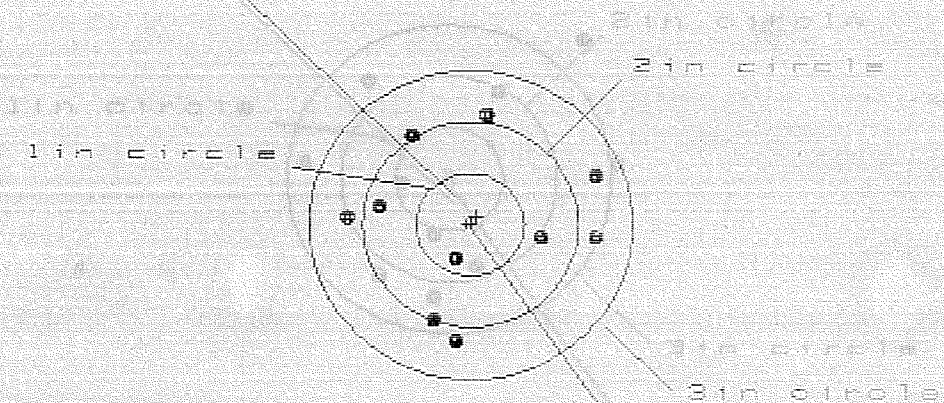
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.589	.637	.558
MINIMUM X	:	-.701	-.636	-.617
MAXIMUM Y	:	1.279	1.114	.925
MINIMUM Y	:	-1.516	-1.681	-1.370
CENTROID X	:	.070	.005	.084
CENTROID Y	:	-.356	-.191	-.002
POA TO CENTROID in.	:	.363	.191	.084
MIN RADIUS	:	.223	.309	.460
MEAN RADIUS	:	1.028	.933	.801
MAX RADIUS	:	1.597	1.687	1.871
HORIZONTAL SPREAD	:	1.290	1.273	1.175
VERTICAL SPREAD	:	2.795	2.795	2.795
EXTREME SPREAD	:	2.805	2.795	2.795
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

15 Sep 1994

FILE: PATTERNING/CENTERFIRE_PATT/06225571

CENTERFIRE PATTERNS # 4

POB



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 10

HS= 2.259

VS= 2.183

GS= 2.279

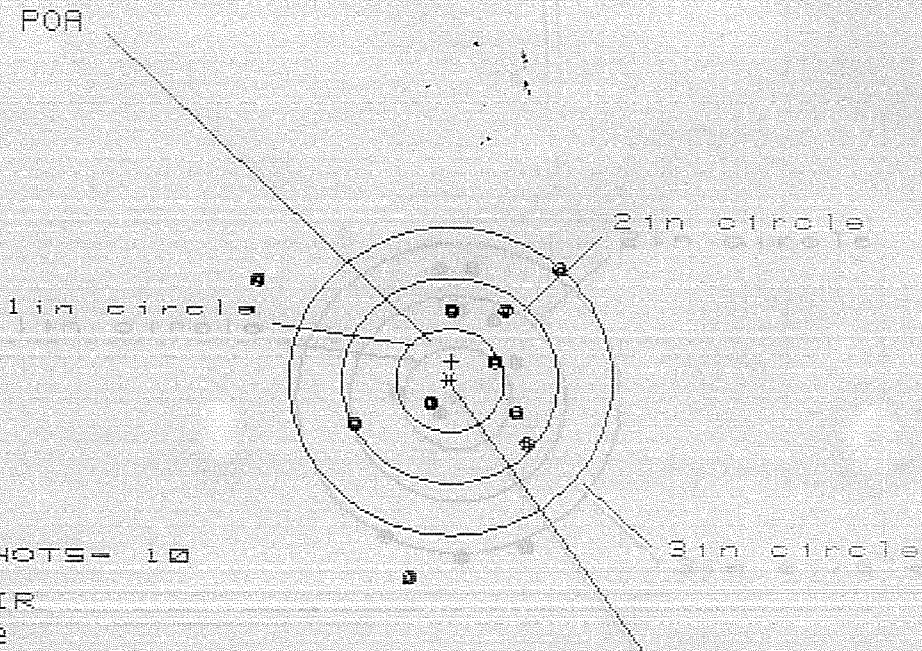
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.120	1.244	1.241
MINIMUM X	:	-1.139	-1.015	-1.018
MAXIMUM Y	:	1.044	1.094	.958
MINIMUM Y	:	-1.139	-1.089	-1.020
CENTROID X	:	-.057	-.181	-.178
CENTROID Y	:	-.076	-.126	.010
POB TO CENTROID in.	:	.095	.220	.178
MIN RADIUS	:	.391	.311	.447
MEAN RADIUS	:	.965	.923	.903
MAX RADIUS	:	1.203	1.249	1.267
HORIZONTAL SPREAD	:	2.259	2.259	2.259
VERTICAL SPREAD	:	2.183	2.183	1.978
EXTREME SPREAD	:	2.279	2.276	2.276
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225571

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.744

VS= 2.988

GS= 3.295

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.994	.799	.725
MINIMUM X	:	-1.750	-1.043	-1.117
MAXIMUM Y	:	1.090	1.197	.973
MINIMUM Y	:	-1.898	-1.791	-1.739
CENTROID X	:	-.016	.179	.253
CENTROID Y	:	-.185	-.292	-.068
POA TO CENTROID in.	:	.186	.342	.262
MIN RADIUS	:	.328	.303	.104
MEAN RADIUS	:	1.019	.882	.718
MAX RADIUS	:	1.998	1.886	1.255
HORIZONTAL SPREAD	:	2.744	1.842	1.842
VERTICAL SPREAD	:	2.988	2.988	1.712
EXTREME SPREAD	:	3.295	3.295	2.404
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

CONTRACT # DAAA21-87-C-0086

New Barrel

GUN SERIAL # C6225571

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		9/1/94	RW
600	Proof		9/1/94	RW
607	Check Headspace		9/1/94	RW
610	Dis-assemble Gun		9/1/94	RW
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		9/13/94	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/13/94	RW
	C) Inspect Ejector Hole for Chamfer		9/13/94	RW
	D) Oil Firing Pin Ass'y		9/13/94	RW
	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						9/13 OK	WLB
	A) Time						9/13	WLB
	B) Malfunctions						9/13 OK	WLB
	C) Pierced Primers						9/13 OK	WLB
	D) Optical Clarity of Scope						9/13 OK	WLB
645	Inspect for Live Ammo						9/13/94	RW
655	Final Inspection							
	A) Headspace						9/14/94	RW
	B) Trigger Pull	2.60	2.55	2.57	2.55	2.52	9/14/94	RW
	C) Function						9/14/94	RW
660	Pack							