

C6523469

MODEL 700™ M24

Model **SWS**™

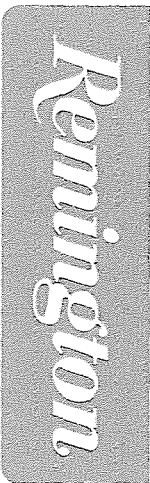
Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00156483

Serial: C6523469 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:

Verify Repair

Status:

Closed 12/6/2008 7:41:15 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 MAIL STOP 181

PO Box:

BOX 339500 MAIL STOP 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
A008	With Swivel	2
A010	Hard Case SYS	1
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

12/8/2008

12:32 PM

CAPS

NUM

INS

BCRL



Serial Number: C6523469

Model: M24 SWS



RE00156483

B: Ped
sling

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

R & E NUMBER 156483
 SERIAL NUMBER C6523469
 LOG-IN DATE 12-6-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	12-9-08	RTZ
505	RE-BARREL	12-9-08	RTZ
560	ASSEMBLE	12-9-08	RTZ
600	PROOF	12-15-08	RP
605	CHECK HEADSPACE	12-15-08	RP
610	DIS-ASSEMBLE GUN	12-15-08	RP
612	MAGNAFLUX	12-15-08	RP
510	DRILL AND TAP	12-16-08	SP
615	ROLLMARK CALIBER	12-20-08	RT
618	ROTO-BLAST	1-5-09	TL
620	APPLY COATINGS	1-7-09	W
625	FINAL ASSEMBLY	1-8-09	RTZ
640	FUNCTION TEST AND	1-8-09	RP
650	TARGET	1-8-09	RP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	1-8-09	RP
	A) HEADSPACE	1-12-09	RP
	B) TRIGGER PULL	1-12-09	RP
	C) SAFETY ON FORCE	1-12-09	RP
	D) SAFETY OFF FORCE	1-12-09	RP
	E) FIRING PIN INDENT	1-12-09	RP
690	PACK	1-13-09	RP

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523469.__0

FILE DATE AND TIME: 01/09/2009 06:42

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.032
The Average Y Centroid of the Five Target Set:	-0.027
The Average Point of Impact of the Five Target Set:	0.042
The Average Mean Radius of the Five Target Set:	0.493
The Distance from POA to Centroid Target #1:	0.061
The Distance from Centroid Target #2 to Centroid Target #1:	0.118
The Distance from Centroid Target #3 to Centroid Target #1:	0.301
The Distance from Centroid Target #4 to Centroid Target #1:	0.054
The Distance from Centroid Target #5 to Centroid Target #1:	0.186

SERIAL NUMBER: C6523469. 0

TARGET NUMBER: 1

FILE DATE: 01/09/2009

FILE TIME: 06:42

X CENTROID: -0.015

Y CENTROID: 0.059

POA TO CENTROID: 0.061

HORZ SPREAD: 1.362

VERT SPREAD: 1.211

GROUP SPREAD: 1.444

MIN RADIUS: 0.134

MAX RADIUS: 0.829

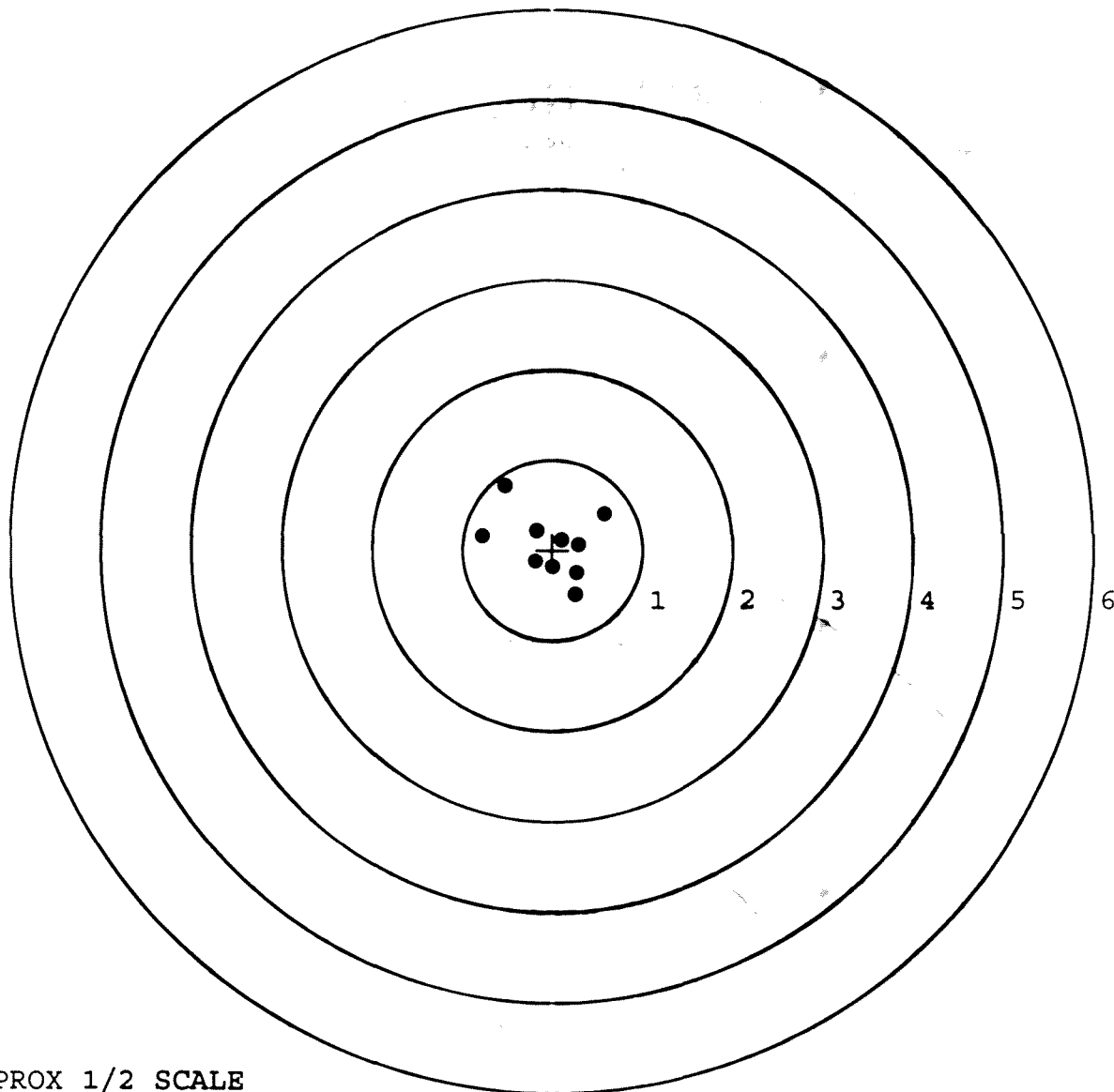
MEAN RADIUS: 0.451

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.781	0.159
2:	-0.527	0.712
3:	0.581	0.401
4:	-0.168	0.219
5:	0.106	0.116
6:	0.292	0.065
7:	0.272	-0.260
8:	0.260	-0.499
9:	0.002	-0.192
10:	-0.189	-0.127



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523469. 0

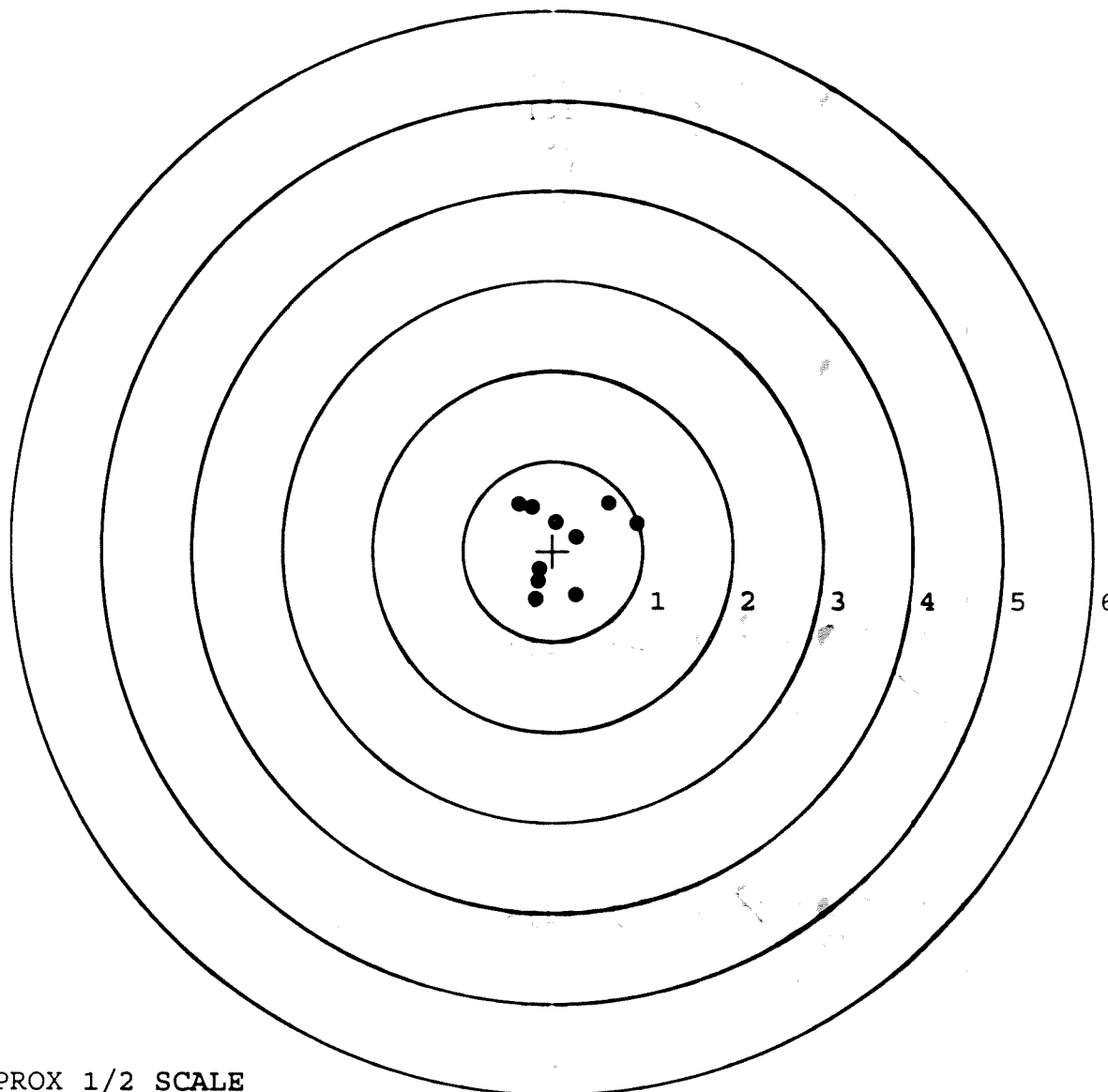
TARGET NUMBER: 2

FILE DATE: 01/09/2009

FILE TIME: 06:42

X CENTROID: 0.101
 Y CENTROID: 0.079
 POA TO CENTROID: 0.128
 HORZ SPREAD: 1.313
 VERT SPREAD: 1.075
 GROUP SPREAD: 1.405
 MIN RADIUS: 0.183
 MAX RADIUS: 0.865
 MEAN RADIUS: 0.532
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.935	0.309
2:	0.624	0.539
3:	0.265	0.159
4:	0.035	0.322
5:	-0.229	0.492
6:	-0.378	0.526
7:	-0.151	-0.202
8:	-0.161	-0.336
9:	-0.187	-0.536
10:	0.259	-0.488



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523469. 0

TARGET NUMBER: 3

FILE DATE: 01/09/2009

FILE TIME: 06:42

X CENTROID: -0.073

Y CENTROID: -0.236

POA TO CENTROID: 0.247

HORZ SPREAD: 0.961

VERT SPREAD: 1.528

GROUP SPREAD: 1.539

MIN RADIUS: 0.298

MAX RADIUS: 0.933

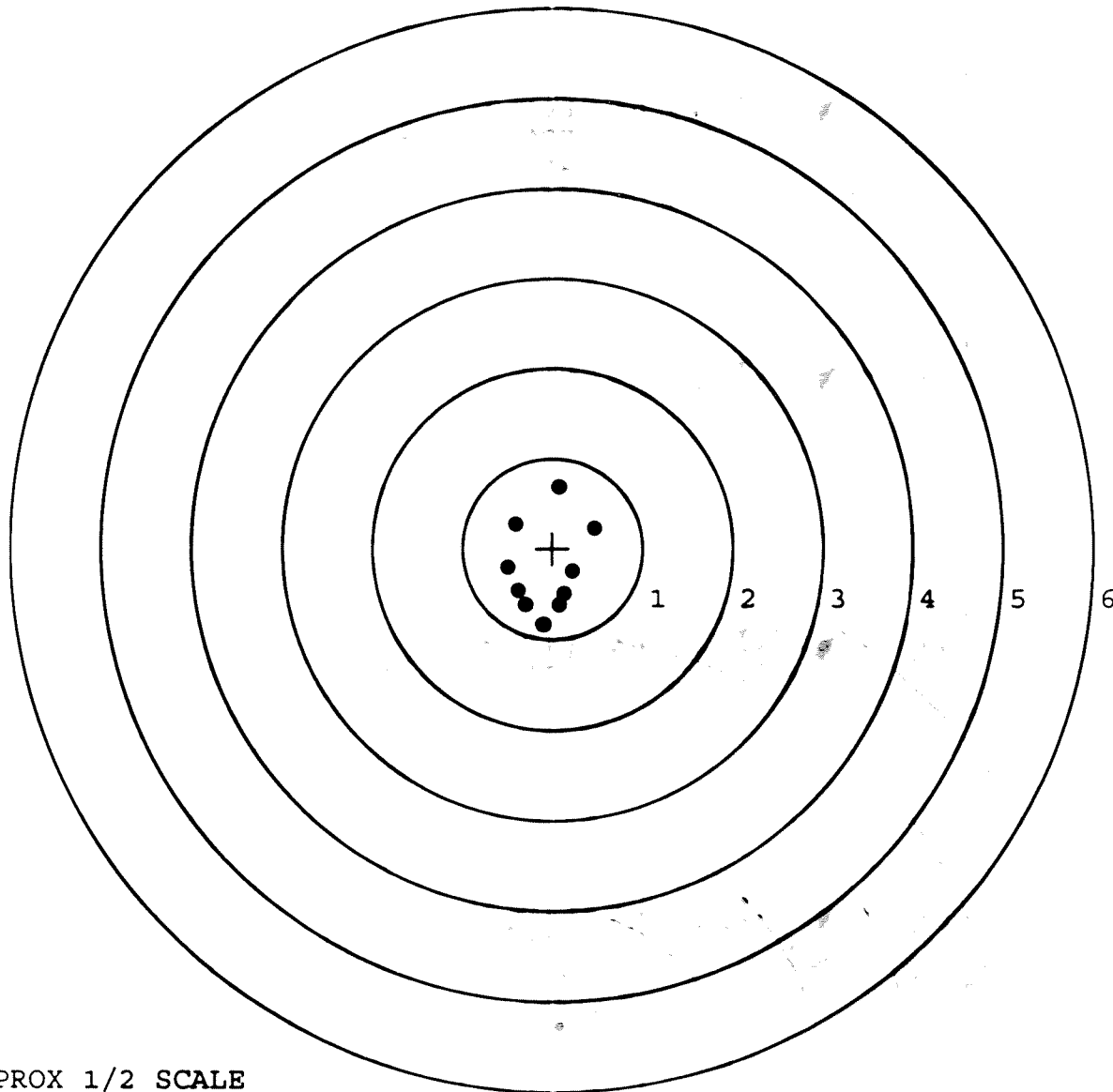
MEAN RADIUS: 0.517

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.074	0.685
2:	0.467	0.223
3:	-0.413	0.270
4:	-0.494	-0.216
5:	-0.385	-0.467
6:	-0.301	-0.624
7:	-0.106	-0.843
8:	0.077	-0.630
9:	0.128	-0.505
10:	0.225	-0.254



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523469. 0

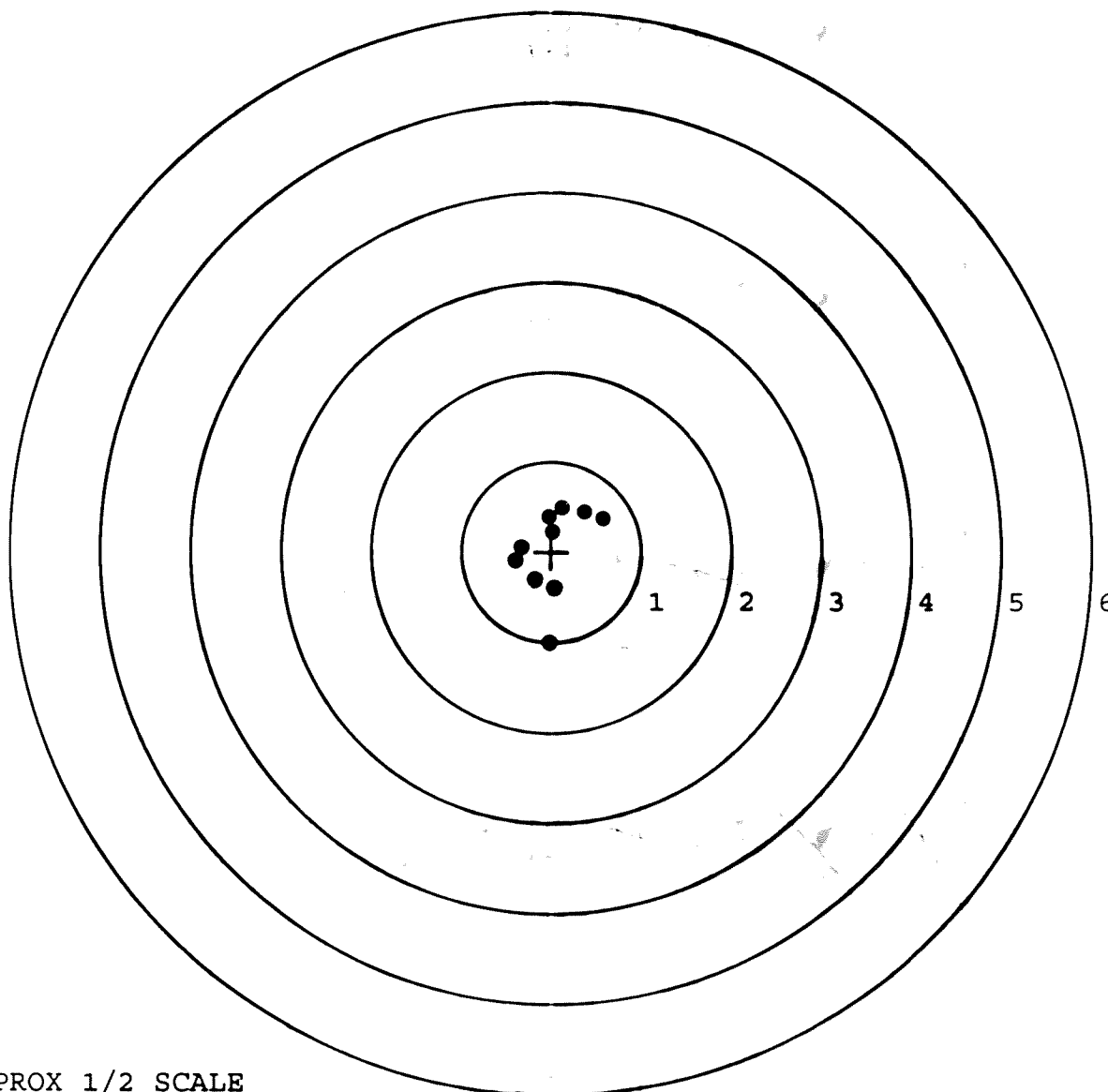
TARGET NUMBER: 4

FILE DATE: 01/09/2009

FILE TIME: 06:42

X CENTROID: 0.015
 Y CENTROID: 0.014
 POA TO CENTROID: 0.021
 HORZ SPREAD: 0.978
 VERT SPREAD: 1.499
 GROUP SPREAD: 1.506
 MIN RADIUS: 0.209
 MAX RADIUS: 1.025
 MEAN RADIUS: 0.490
 # IN 1 IN DIAMETER: 7
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.021	-1.010
2:	0.035	-0.402
3:	-0.183	-0.310
4:	-0.400	-0.100
5:	-0.334	0.051
6:	0.017	0.223
7:	-0.032	0.390
8:	0.122	0.489
9:	0.367	0.444
10:	0.578	0.369



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523469. 0

TARGET NUMBER: 5

FILE DATE: 01/09/2009

FILE TIME: 06:42

X CENTROID: 0.133

Y CENTROID: -0.052

POA TO CENTROID: 0.143

HORZ SPREAD: 1.005

VERT SPREAD: 1.662

GROUP SPREAD: 1.663

MIN RADIUS: 0.099

MAX RADIUS: 0.951

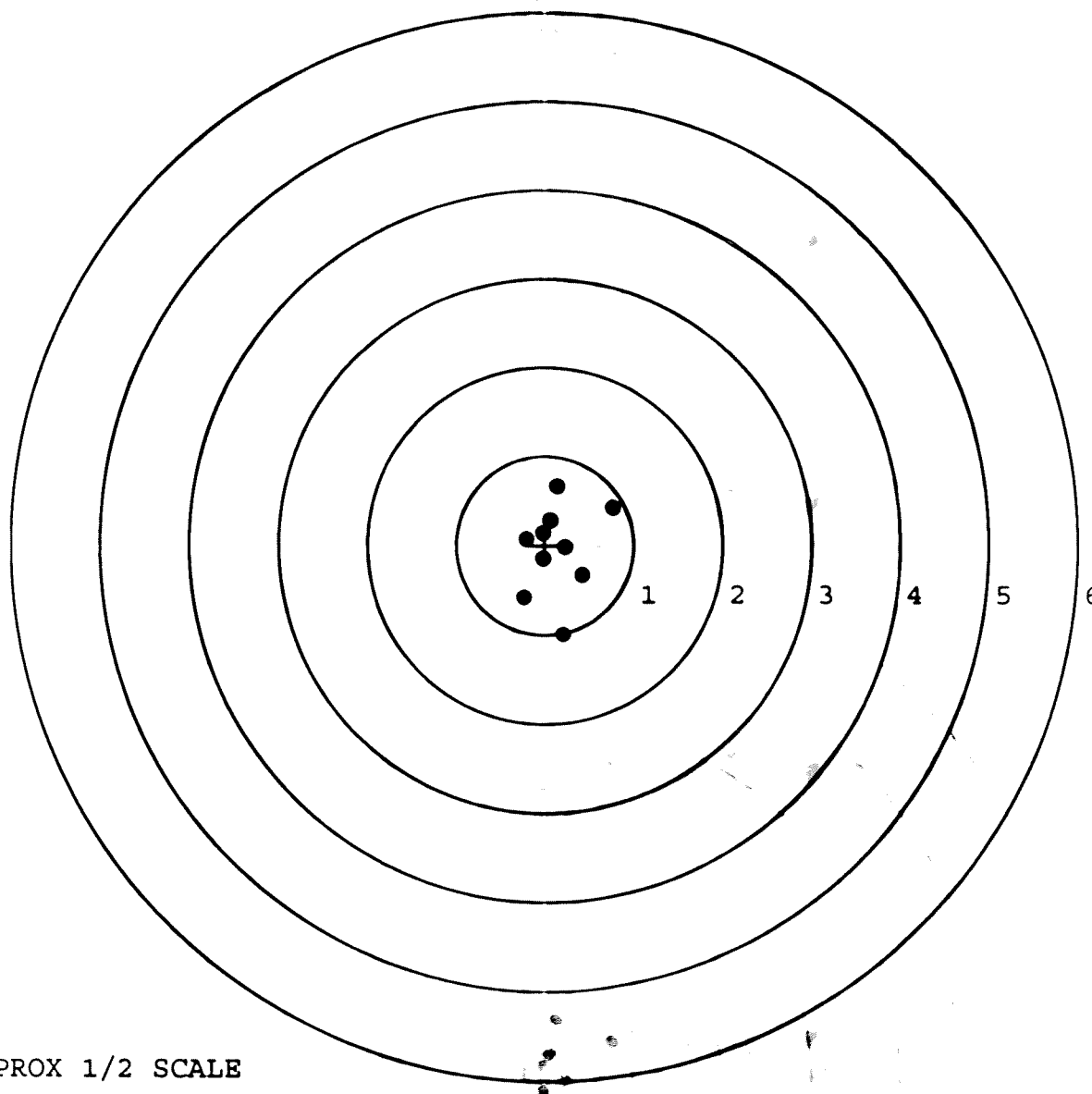
MEAN RADIUS: 0.477

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.207	-1.000
2:	-0.238	-0.588
3:	0.424	-0.337
4:	0.228	-0.023
5:	-0.025	-0.159
6:	-0.212	0.071
7:	-0.024	0.140
8:	0.062	0.286
9:	0.143	0.662
10:	0.767	0.425



TARGET APPROX 1/2 SCALE

Repair Inquiry

Repair Number: RE00092916

Serial: C6523469 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/16/1990

Repairman:

Status:

Closed: 2/10/2005 11:39:42 AM

Address Information

Customer:

☒ Received From:

Return To:

☐ Received From:

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

City: ANNISTON

State: AL

Zip Code: 362014199

Country: US

Address 1:

Address 2:

City: ANNISTON

State: AL

Zip Code: 362014199

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition Notes:

CSR Notes:

Accessories Received

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

Repair Search

Refresh

Close

hag/et

2/14/2005

9:24 AM

CAPS

NUM

INS

SCPL

Serial Number:

C6523469

Model: M24 SWS



RE00092916

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523469.___0
FILE DATE AND TIME: 07/08/2005 06:51

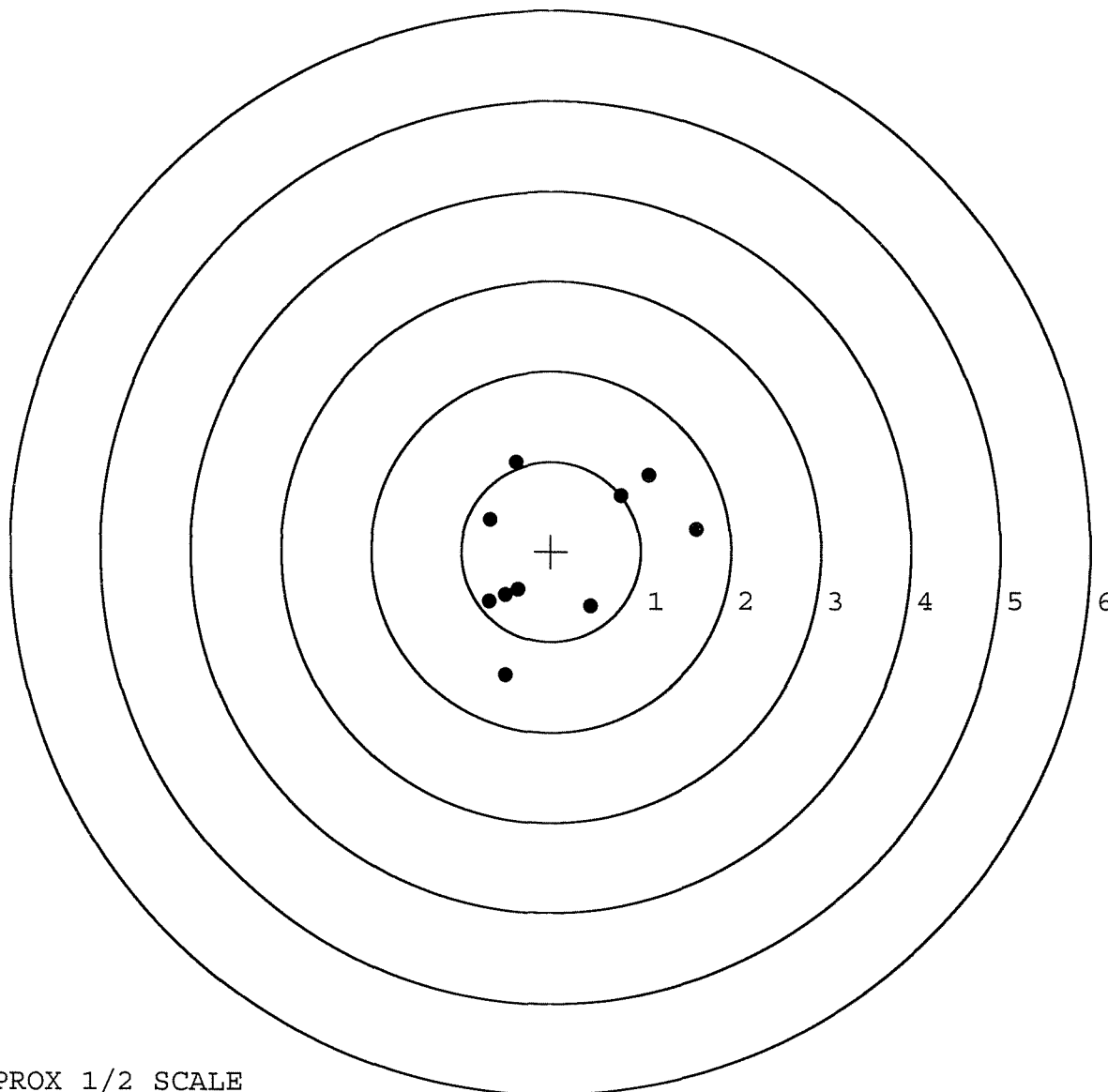
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.028
The Average Y Centroid of the Five Target Set:	-0.064
The Average Point of Impact of the Five Target Set:	0.069
The Average Mean Radius of the Five Target Set:	0.862
The Distance from POA to Centroid Target #1:	0.087
The Distance from Centroid Target #2 to Centroid Target #1:	0.283
The Distance from Centroid Target #3 to Centroid Target #1:	0.402
The Distance from Centroid Target #4 to Centroid Target #1:	0.145
The Distance from Centroid Target #5 to Centroid Target #1:	0.083

SERIAL NUMBER: C6523469. 0
 TARGET NUMBER: 1
 FILE DATE: 07/08/2005
 FILE TIME: 06:51

POINT#	X	Y
1:	0.440	-0.610
2:	-0.502	-1.367
3:	-0.372	-0.424
4:	-0.510	-0.486
5:	-0.692	-0.557
6:	-0.677	0.360
7:	-0.391	0.995
8:	0.782	0.624
9:	1.092	0.848
10:	1.615	0.246

X CENTROID: 0.079
 Y CENTROID: -0.037
 POA TO CENTROID: 0.087
 HORZ SPREAD: 2.307
 VERT SPREAD: 2.362
 GROUP SPREAD: 2.661
 MIN RADIUS: 0.594
 MAX RADIUS: 1.562
 MEAN RADIUS: 1.025
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

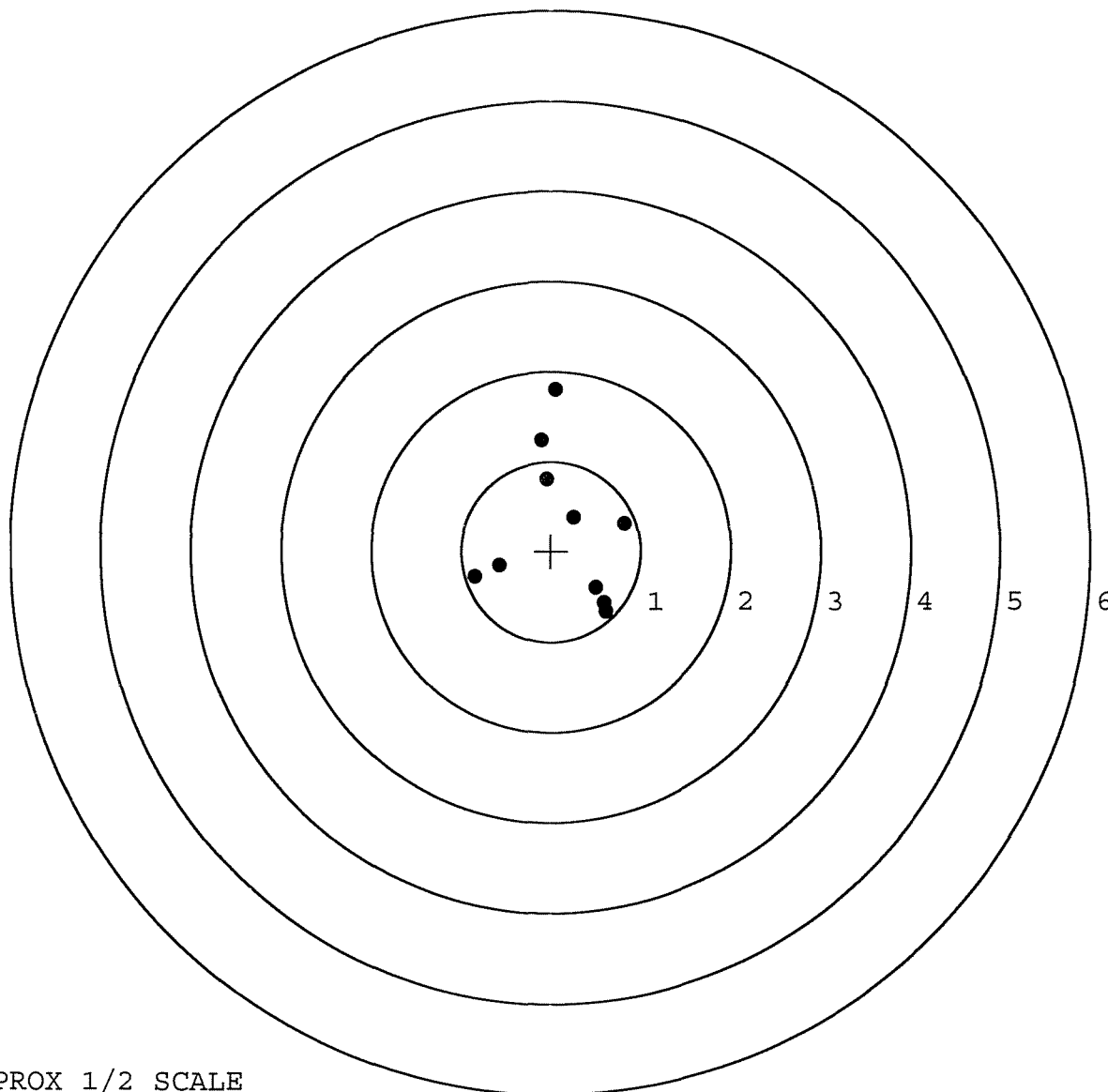


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523469. __0
 TARGET NUMBER: 2
 FILE DATE: 07/08/2005
 FILE TIME: 06:51

POINT#	X	Y
1:	0.047	1.798
2:	-0.111	1.236
3:	-0.050	0.800
4:	0.259	0.379
5:	0.821	0.311
6:	0.620	-0.669
7:	0.503	-0.413
8:	0.600	-0.576
9:	-0.577	-0.161
10:	-0.850	-0.291

X CENTROID: 0.126
 Y CENTROID: 0.241
 POA TO CENTROID: 0.272
 HORZ SPREAD: 1.671
 VERT SPREAD: 2.467
 GROUP SPREAD: 2.533
 MIN RADIUS: 0.191
 MAX RADIUS: 1.559
 MEAN RADIUS: 0.871
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

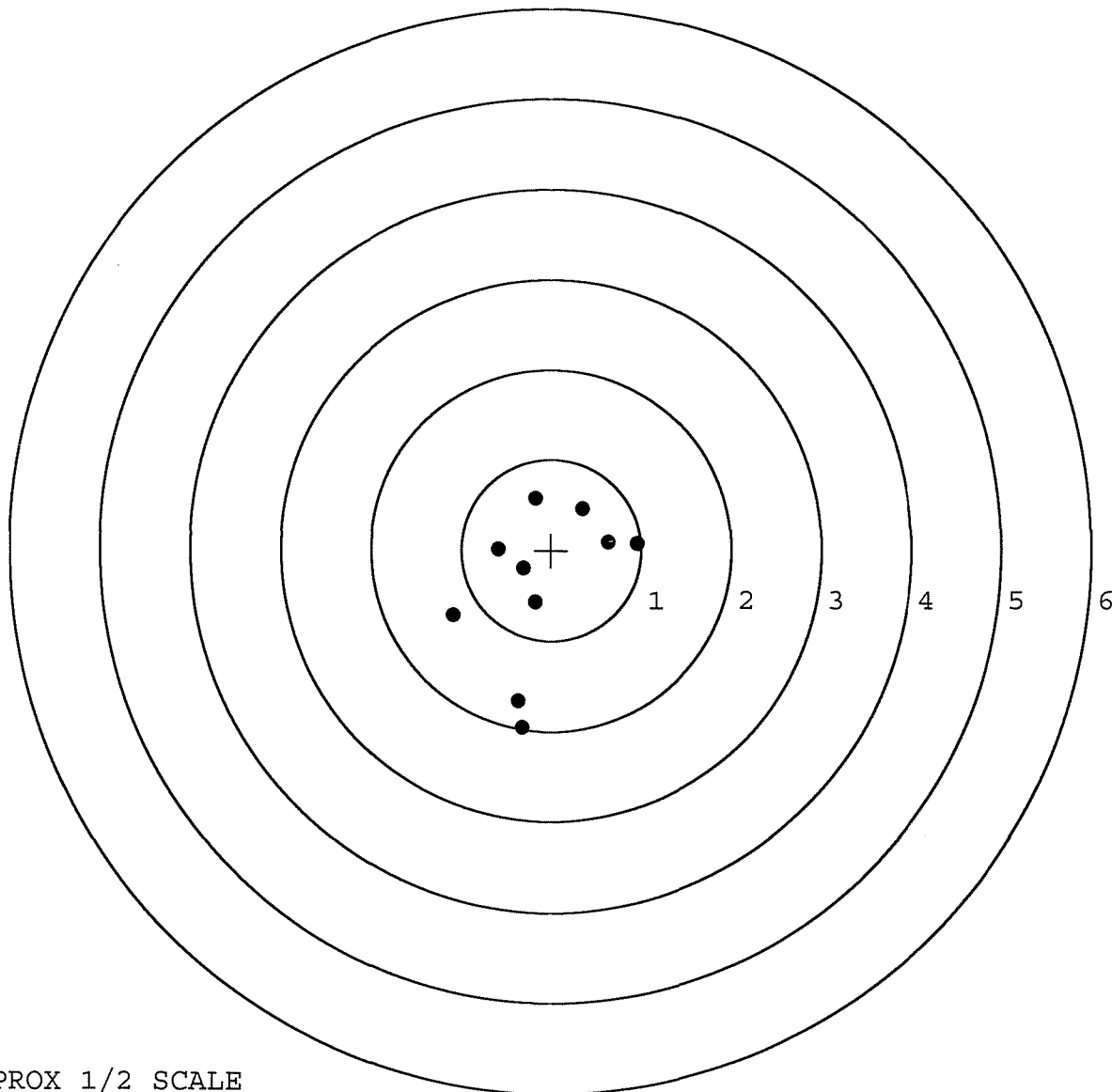


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523469. 0
 TARGET NUMBER: 3
 FILE DATE: 07/08/2005
 FILE TIME: 06:51

X CENTROID: -0.106
 Y CENTROID: -0.394
 POA TO CENTROID: 0.408
 HORZ SPREAD: 2.043
 VERT SPREAD: 2.536
 GROUP SPREAD: 2.540
 MIN RADIUS: 0.194
 MAX RADIUS: 1.586
 MEAN RADIUS: 0.900
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.956	0.079
2:	0.634	0.090
3:	0.358	0.454
4:	-0.169	0.570
5:	-0.588	0.008
6:	-0.311	-0.206
7:	-0.179	-0.574
8:	-1.087	-0.724
9:	-0.362	-1.671
10:	-0.314	-1.966



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523469. 0

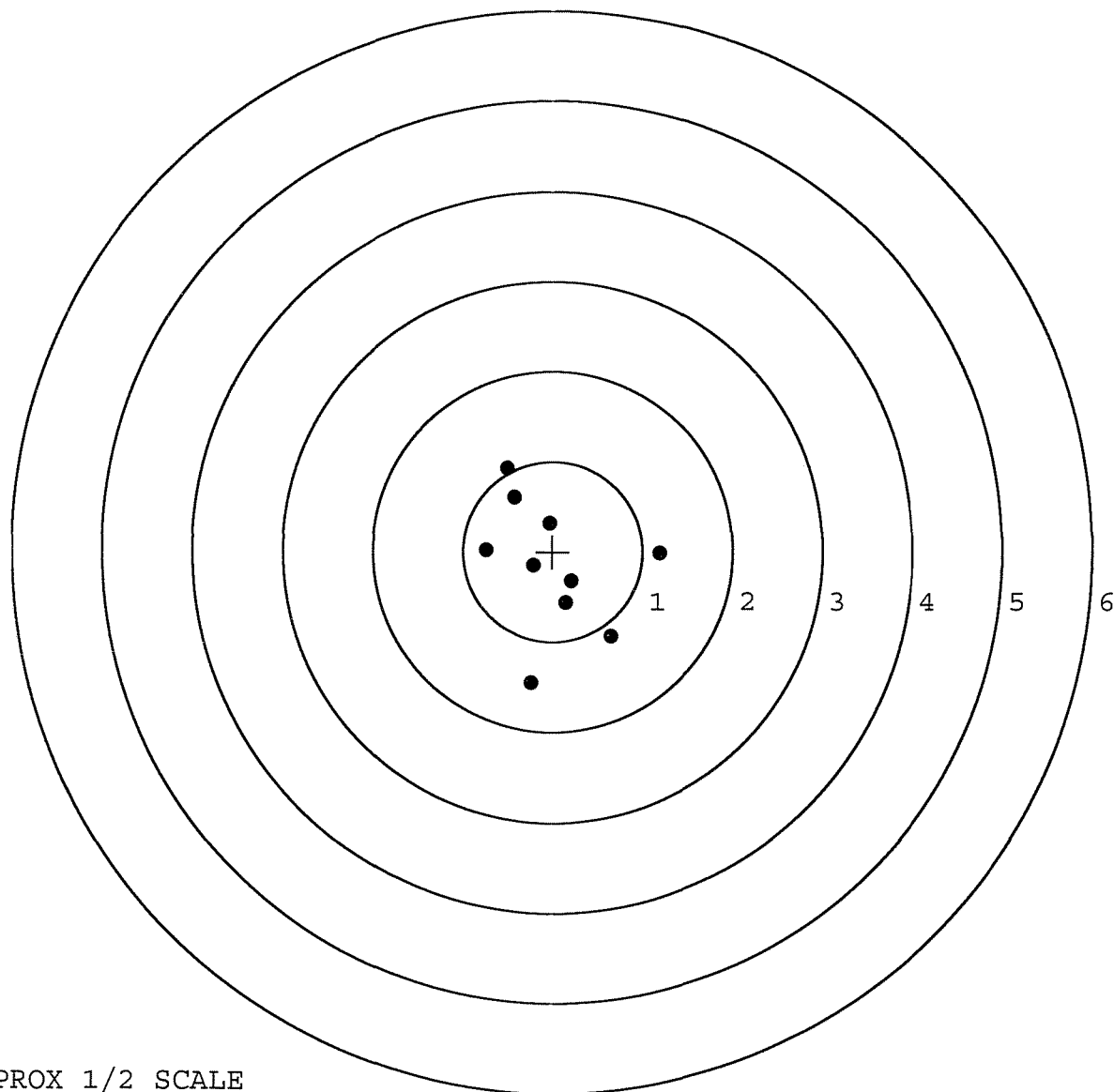
TARGET NUMBER: 4

FILE DATE: 07/08/2005

FILE TIME: 06:51

X CENTROID: 0.005
Y CENTROID: -0.163
POA TO CENTROID: 0.163
HORZ SPREAD: 1.934
VERT SPREAD: 2.388
GROUP SPREAD: 2.404
MIN RADIUS: 0.222
MAX RADIUS: 1.324
MEAN RADIUS: 0.778
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.657	-0.941
2:	1.193	-0.016
3:	-0.238	-1.464
4:	0.153	-0.573
5:	0.207	-0.330
6:	-0.217	-0.160
7:	-0.027	0.314
8:	-0.741	0.015
9:	-0.422	0.605
10:	-0.511	0.924

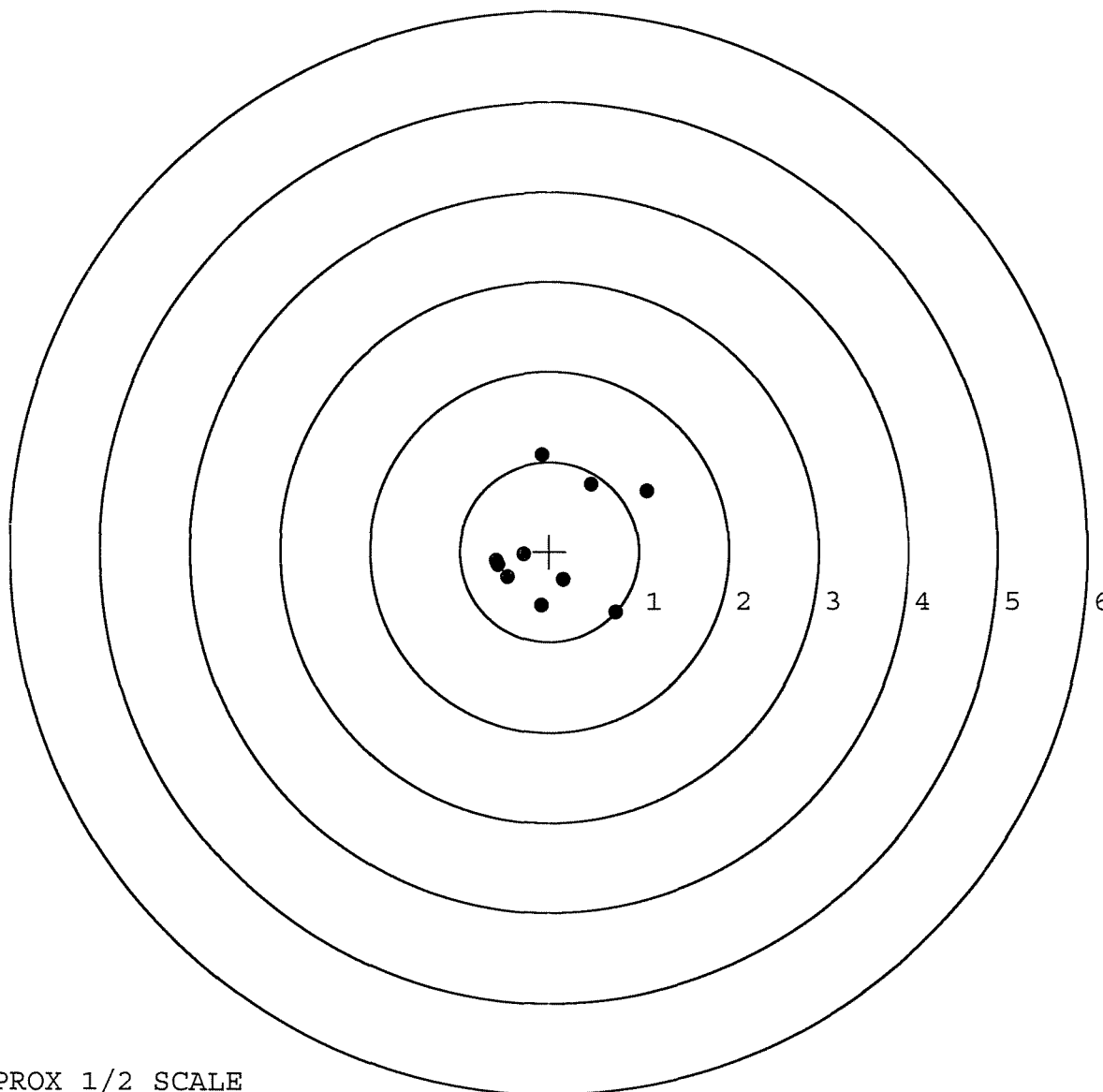


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523469. 0
 TARGET NUMBER: 5
 FILE DATE: 07/08/2005
 FILE TIME: 06:51

X CENTROID: 0.035
 Y CENTROID: 0.034
 POA TO CENTROID: 0.049
 HORZ SPREAD: 1.686
 VERT SPREAD: 1.755
 GROUP SPREAD: 1.857
 MIN RADIUS: 0.331
 MAX RADIUS: 1.232
 MEAN RADIUS: 0.735
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.742	-0.679
2:	1.087	0.676
3:	0.471	0.749
4:	-0.084	1.076
5:	-0.599	-0.101
6:	0.159	-0.314
7:	-0.092	-0.602
8:	-0.290	-0.029
9:	-0.467	-0.283
10:	-0.576	-0.151



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R. & E NUMBER	92916		
SERIAL NUMBER	C6523469		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-1-05	RTL
560 A	RE-BARREL	6-6-05	RTL
B	DRILL AND TAP	6-8-05	TRW
575	ASSEMBLE	6-6-05	RTL
600	PROOF	6-7-05	AC
605	CHECK HEADSPACE	6-7-05	AC
610	DIS-ASSEMBLE GUN	6-7-05	RTL
612	MAGNAFLUX	6/9/05	unsub
615	ROLLMARK CALIBER	6-9-05	CW
618	ROTO-BLAST	6-10-05	KB
620	APPLY COATINGS	6-13-05	W
625 A	FINAL ASSEMBLY	7-6-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	8-9-05	AC
D	SAFETY "OFF" FORCE	8-9-05	AC
E	FIRING PIN INDENT	8-9-05	AC
640	TARGET	7-8-05	TRW
655	FINAL INSPECT	8-9-05	AC
660	PACK	9-15-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

RECEIVING AND ESTIMATING REPORT

R 94-18037

INITIAL CUSTOMER ORDER NO.

FDC DAAA09-92-C-0834

ATTN: FRED MARTIN

W/10X SCOPE M-24 SNIPER W/DEPLOYMENT KIT

DATE RECEIVED DATE OPENED DATE CODE

06/09/94 06/09/94

SERIAL NUMBER NEW SERIAL NUMBER

C6523469

MODEL AND GRADE

700 7-62 NATO

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

Scope 8/4 90 0519

FROM:

SHIP TO:

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

AL 36201-5025

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

AL

36201-5025

CUST NO: 098397 C.O.D.

ACCOUNT NUMBER ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE ESTIMATED VIA

FRT

GUN CONDITION

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

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN AMMO FUNCTION FINISH ACCURACY FIT INSPECT

CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS

COMMENTS

New Barrel & Stock
Trigger Assy,
Firing Pin Assy
Front & Rear Sight Assy

REPAIRMAN PROOF CLEAN TEST TARGET PATTERN

GALLERY TESTER DATE DATE DATE DATE DATE

5/18/96 5/18/96

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 M2409928671

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6523469DATE 5-17-96TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.46	2.47	2.56	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.49	2.42	
PULL #3	2.54	2.48	2.47	
PULL #4	2.74	2.60	2.36	
PULL #5	2.61	2.83	2.55	
TOTAL	12.90	12.87	12.36	
AVG.	2.58	2.57	2.47	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.14	3.00	
PULL #2	3.09	3.02	
PULL #3	3.11	2.91	
PULL #4	3.11	2.92	
PULL #5	3.09	3.00	
TOTAL	15.54	14.85	
AVG.	3.10	2.97	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.00	4.08		4.28
PULL #2	4.29	4.24		4.02
PULL #3	4.16	4.12		4.02
PULL #4	4.00	4.31		4.13
PULL #5	4.00	4.23		4.09
TOTAL	20.45	20.90		20.54
AVG.	4.09	4.18		4.10

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523469
27 Mar 1988

CENTROIDAL DISTANCES

0 TO	1	.25345
1 TO	2	.235091
1 TO	3	.321006
1 TO	4	.214441
1 TO	5	.18593

$\frac{4}{2}^3$ <----POA

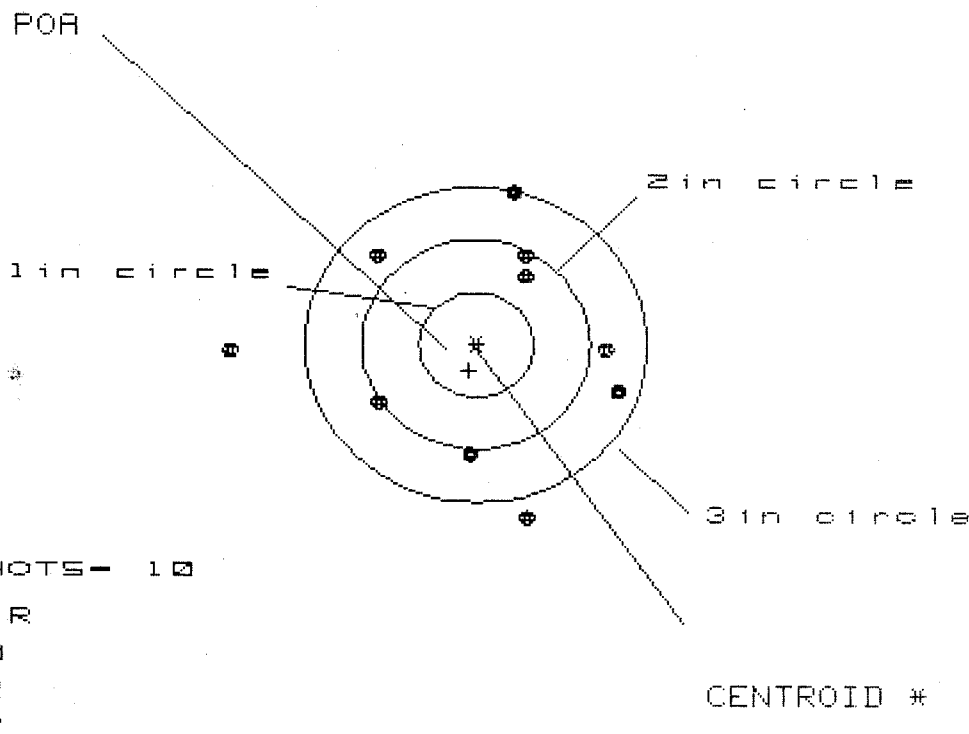
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1068
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2734
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .29352

THE AMR FOR THIS RIFLE IS: 1.111

27 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06523469

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in - 0

2 in - 2

3 in - 7

HS- 3.344

VS- 3.143

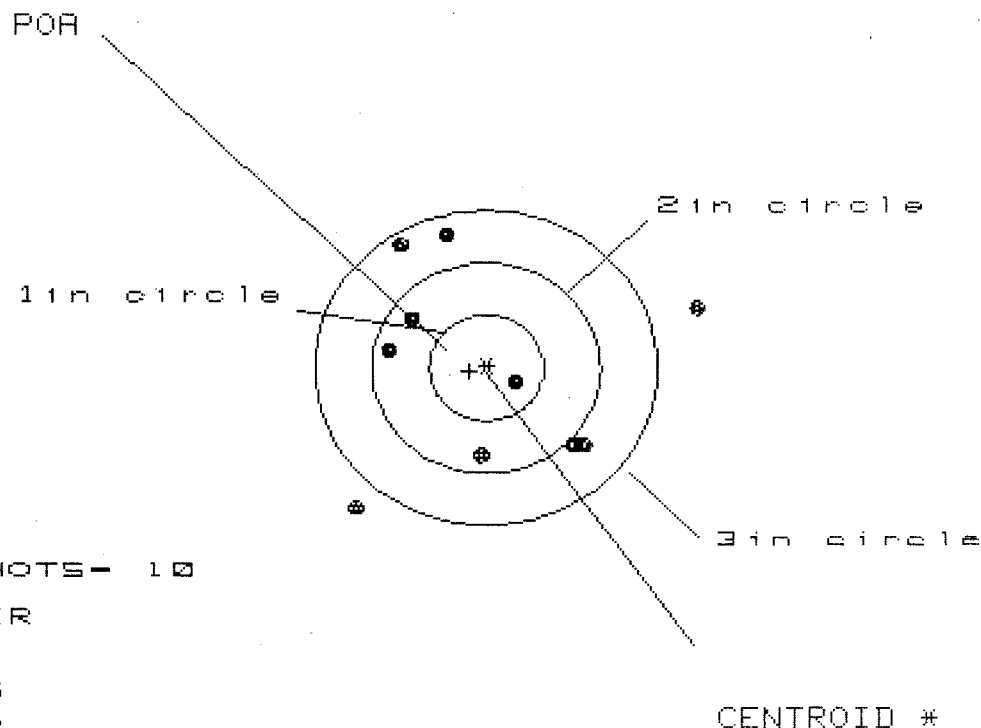
GS- 3.375

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.200	.962	.981
MINIMUM X	:	-2.144	-1.138	-1.119
MAXIMUM Y	:	1.499	1.498	1.292
MINIMUM Y	:	-1.644	-1.645	-1.294
CENTROID X	:	.061	.299	.280
CENTROID Y	:	.246	.247	.453
POA TO CENTROID in.	:	.253	.388	.532
MIN RADIUS	:	.749	.640	.457
MEAN RADIUS	:	1.283	1.154	1.060
MAX RADIUS	:	2.144	1.653	1.338
HORIZONTAL SPREAD	:	3.344	2.100	2.100
VERTICAL SPREAD	:	3.143	3.143	2.586
EXTREME SPREAD	:	3.375	3.144	2.616
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

27 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523469

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 1

2in - 5

3in = 8

HS- 2.945

VS- 2.562

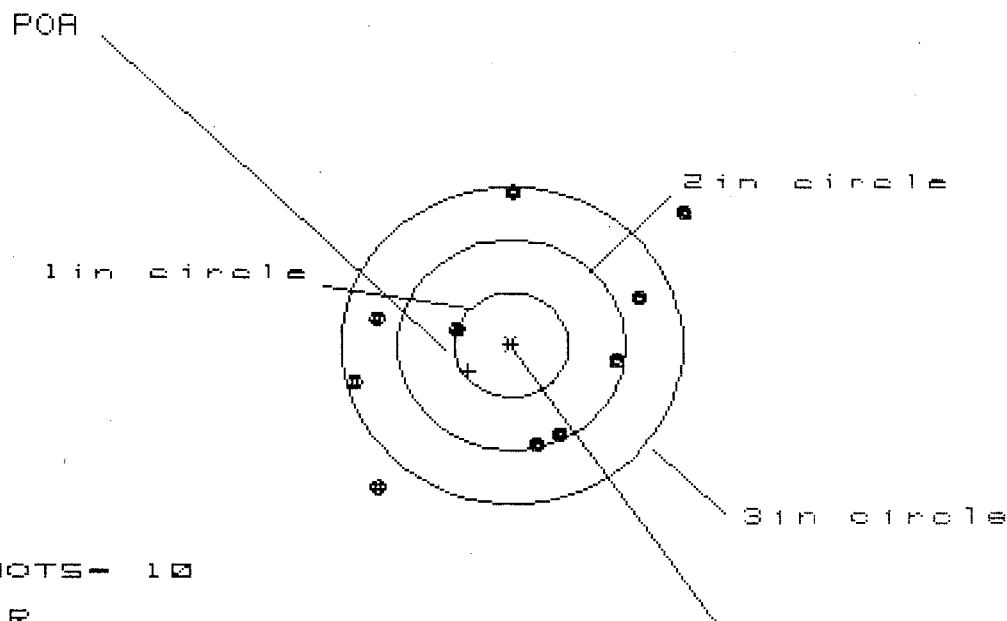
GS- 3.459

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.833	1.090	.976
MINIMUM X	:	-1.112	-.908	-.712
MAXIMUM Y	:	1.274	1.332	1.179
MINIMUM Y	:	-1.288	-1.230	-.888
CENTROID X	:	.149	-.055	.059
CENTROID Y	:	.028	-.030	.123
POA TO CENTROID in.	:	.151	.063	.137
MIN RADIUS	:	.264	.431	.393
MEAN RADIUS	:	1.116	1.017	.945
MAX RADIUS	:	1.907	1.529	1.282
HORIZONTAL SPREAD	:	2.945	1.998	1.688
VERTICAL SPREAD	:	2.562	2.562	2.067
EXTREME SPREAD	:	3.459	2.681	2.512
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

27 Mar 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6523469

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in - 0

2 in - 4

3 in = 8

HS= 2.985

VS= 2.800

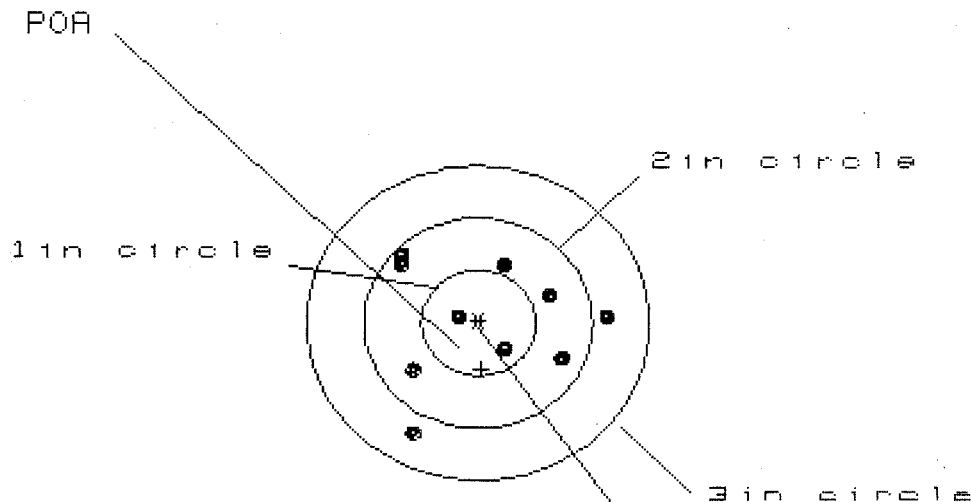
GS= 3.827

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.558
MINIMUM X	-1.427
MAXIMUM Y	1.407
MINIMUM Y	-1.393
CENTROID X	.382
CENTROID Y	.244
POA TO CENTROID in.	.453
MIN RADIUS	.510
MEAN RADIUS	1.255
MAX RADIUS	2.002
HORIZONTAL SPREAD	2.985
VERTICAL SPREAD	2.800
EXTREME SPREAD	3.827
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	8

27 Mar 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6523469

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 8

3 in = 10

HS- 1.796

VS- 1.768

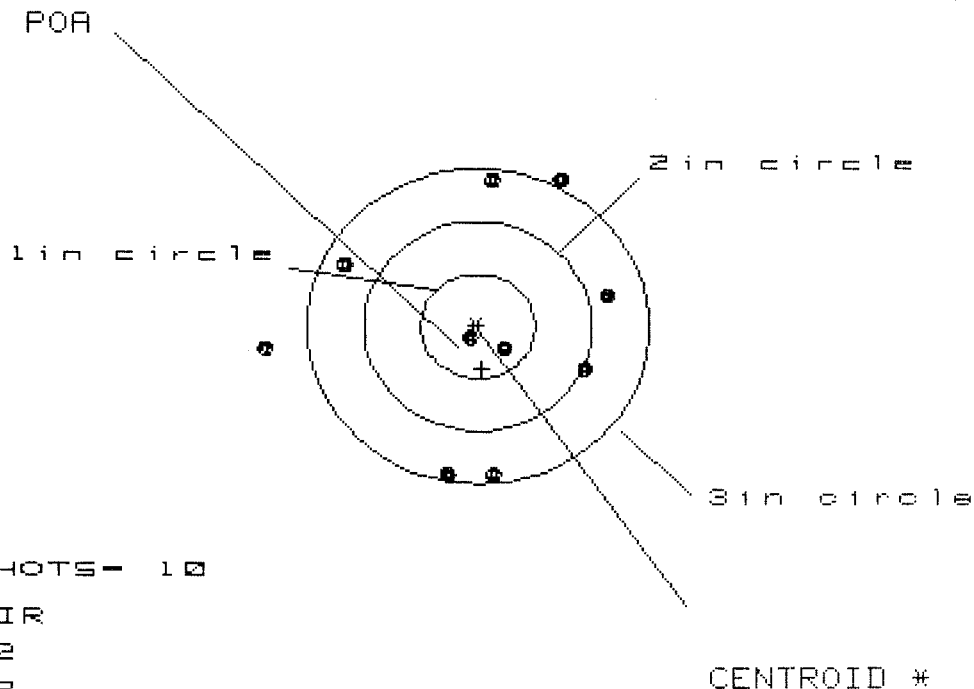
GS- 2.018

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.077	1.009	.751
MINIMUM X	:	-.719	-.787	-.661
MAXIMUM Y	:	.681	.561	.547
MINIMUM Y	:	-1.087	-.548	-.562
CENTROID X	:	-.026	.042	-.084
CENTROID Y	:	.442	.562	.576
POA TO CENTROID in.	:	.442	.564	.582
MIN RADIUS	:	.189	.254	.141
MEAN RADIUS	:	.745	.682	.632
MAX RADIUS	:	1.249	1.015	.882
HORIZONTAL SPREAD	:	1.796	1.796	1.412
VERTICAL SPREAD	:	1.768	1.109	1.109
EXTREME SPREAD	:	2.018	1.917	1.735
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

27 Mar 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6523463

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 2

3 in = 8

HS= 2.986

VS= 2.779

GS= 3.040

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.129	.923	.987
MINIMUM X	:	-1.857	-1.334	-1.270
MAXIMUM Y	:	1.408	1.384	1.556
MINIMUM Y	:	-1.371	-1.395	-1.223
CENTROID X	:	-.032	.174	.110
CENTROID Y	:	.407	.431	.259
POA TO CENTROID in.	:	.408	.465	.282
MIN RADIUS	:	.151	.240	.102
MEAN RADIUS	:	1.156	1.058	.968
MAX RADIUS	:	1.869	1.474	1.556
HORIZONTAL SPREAD	:	2.986	2.257	2.257
VERTICAL SPREAD	:	2.779	2.779	2.779
EXTREME SPREAD	:	3.040	2.939	2.811
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		8	

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/30/96	AC
	G) Safety Off Force	4	4	4			5/30/96	AC
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.023	.023	.023			5/30/96	AC
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640 -	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.90	2.93	2.92	2.88	2.89	5/30/96	WB
	C) Function							
660	Pack							

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523469

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

Remington



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

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

MODEL 700™ M24

01

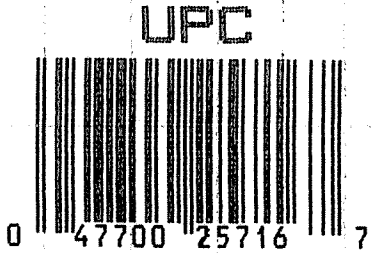
SERIAL NO.
C6523469

ORDER NO.
5716

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



5716 C6523469



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523469

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 2	90	RW
600	Proof	10 2	90	RW
607	Check Headspace	10 2	90	RW
610	Dis-assemble Gun	10 2	90	RW
612	Magnaflux Barrel Action		10/2/90	KR
	Magnaflux Bolt		10/2/90	KR
615	Rollmark Caliber		10/2/90	GL
617	Drill and Tap Sight Holes		10/4/90	FB
618	Polish Barrel <i>RB</i>		10/5/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/22/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/22/90	RW
	C) Inspect Ejector Hole for Chamfer		10/22/90	RW
	D) Oil Firing Pin Ass'y		10/22/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/9/90	GB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 3/4	3 3/4	3 3/4			11/9/90	WB
	G) Safety Off Force	2	2	2			11/9/90	WB
	H) Trigger Pull Test & Retainability						11/9/90	CS
	I) Firing Pin Indent	.020	.020	.020			11/9/90	WB
	J) Assemble Stock						11/10/90	RW
	K) Assemble Swivel Studs						11-20-90	DH
	L) Attach Front and Rear Sight Assemblies						11/10/90	RW
	M) Iron Sight Alignment						11/10/90	RW
	N) Detach Front & Rear Sights & place in numbered container						11/10/90	RW
	O) Attach Scope to Rifle						11/10/90	RW
	P) Detach & Attach Scope 20 Times						11/10/90	RW
640	Gallery Target & Test						11-12-90	AE
	A) Time						"	AE
	B) Malfunctions						"	AE
	C) Pierced Primers						"	AE
	D) Optical Clarity of Scope						"	AE
645	Inspect for Live Ammo						11-12-90	AE
655	Final Inspection							
	A) Headspace						11-20-90	DH
	B) Trigger Pull	2.51	2.48	2.51	2.52	2.52	11-20-90	DH
	C) Function						11-20-90	DH
660	Pack						12/14/90	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6523469

DATE 8/18/90

TESTER 228

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	241	216	245	251	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	234	217	249	248	
PULL #3	227	212	238	257	
PULL #4	231	219	243	252	
PULL #5	225	211	243	252	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	297	304		
PULL #2	301	302		
PULL #3	299	297		
PULL #4	302	298		
PULL #5	299	298		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	424	408		459
PULL #2	422	423		457
PULL #3	401	418		458
PULL #4	423	413		455
PULL #5	423	421		456
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523469
13 Nov 1990

CENTROIDAL DISTANCES

0	TO	1	.576754
1	TO	2	.18659
1	TO	3	.451221
1	TO	4	.382969
1	TO	5	.737835

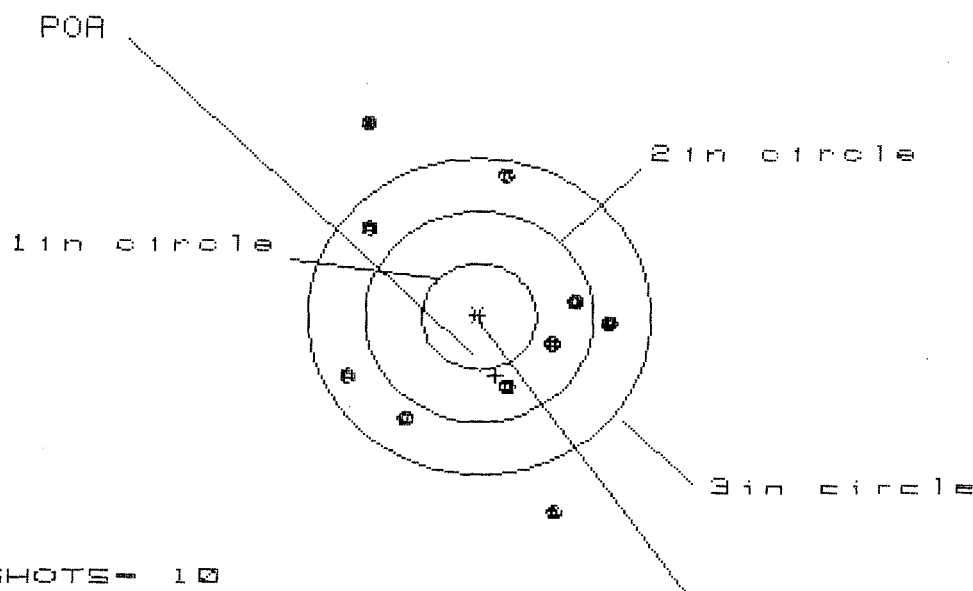
$\frac{1}{2}$
34 15 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.117
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .283
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .306232
THE AMR FOR THIS RIFLE IS: 1.121

12 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523469

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 3

3 in = 8

HS = 2.294

VS = 3.723

GS = 4.032

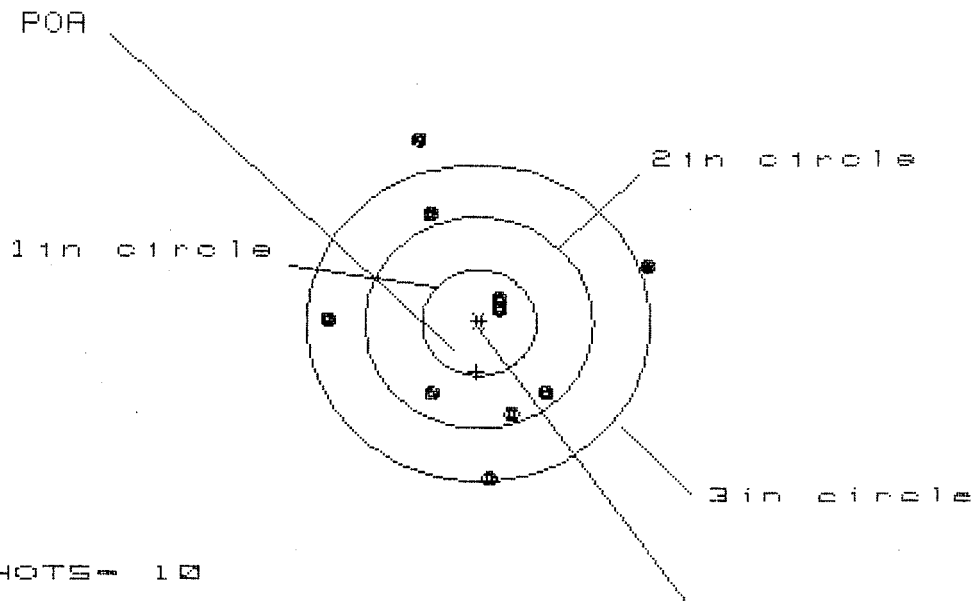
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.146	1.042	1.105
MINIMUM X	:	-1.148	-1.252	-1.189
MAXIMUM Y	:	1.855	1.594	1.387
MINIMUM Y	:	-1.868	-1.662	-1.982
CENTROID X	:	-.142	-.038	-.101
CENTROID Y	:	.559	.353	.560
POA TO CENTROID in.	:	.577	.355	.570
MIN RADIUS	:	.672	.466	.635
MEAN RADIUS	:	1.251	1.118	1.053
MAX RADIUS	:	2.078	1.738	1.396
HORIZONTAL SPREAD	:	2.294	2.294	2.294
VERTICAL SPREAD	:	3.723	3.256	2.368
EXTREME SPREAD	:	4.032	3.282	2.521
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

12 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523469

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS = 2.825

VS = 3.251

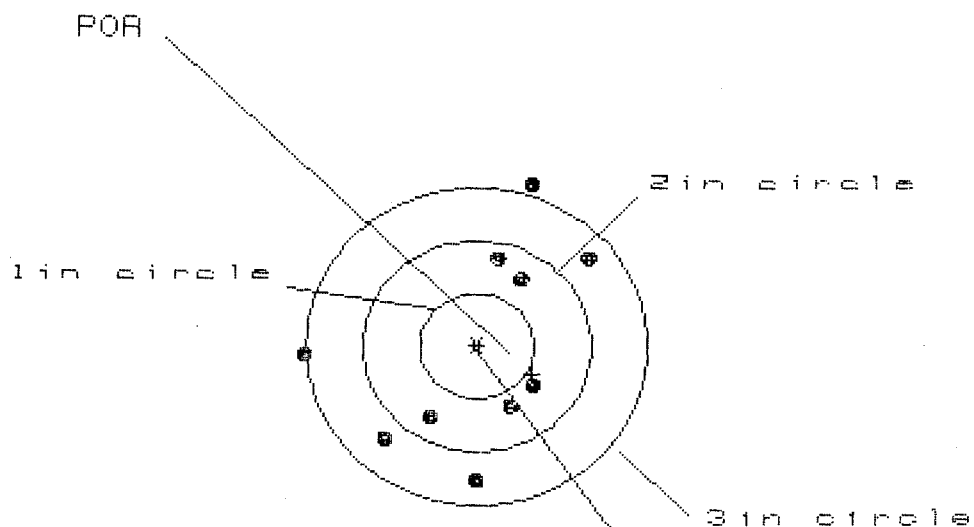
GS = 3.304

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.465	1.404	.693
MINIMUM X	:	-1.360	-1.421	-1.246
MAXIMUM Y	:	1.745	1.262	1.348
MINIMUM Y	:	-1.506	-1.312	-1.226
CENTROID X	:	.018	.079	-.097
CENTROID Y	:	.463	.269	.183
POA TO CENTROID in.	:	.463	.280	.207
MIN RADIUS	:	.271	.385	.527
MEAN RADIUS	:	1.066	.967	.895
MAX RADIUS	:	1.829	1.564	1.388
HORIZONTAL SPREAD	:	2.825	2.825	1.938
VERTICAL SPREAD	:	3.251	2.574	2.574
EXTREME SPREAD	:	3.304	2.857	2.619
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			7	

12 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523469

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

HS= 2.450

VS= 2.842

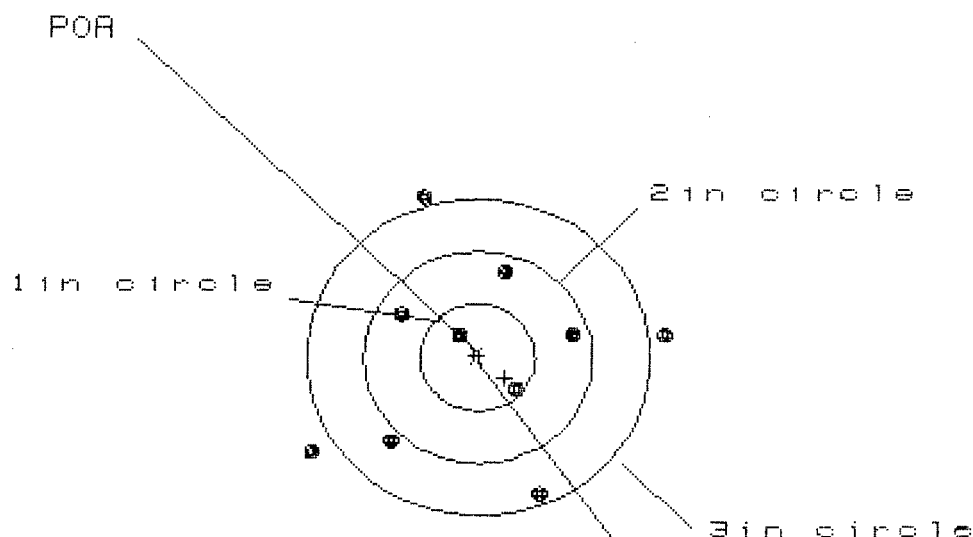
GS= 2.880

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.966	1.016	.837
MINIMUM X	-1.484	-1.434	-.975
MAXIMUM Y	1.557	1.046	1.062
MINIMUM Y	-1.285	-1.112	-1.096
CENTROID X	-.486	-.536	-.357
CENTROID Y	.267	.094	.078
POA TO CENTROID in.	.554	.545	.365
MIN RADIUS	.590	.476	.363
MEAN RADIUS	1.050	.963	.874
MAX RADIUS	1.622	1.440	1.286
HORIZONTAL SPREAD	2.450	2.450	1.812
VERTICAL SPREAD	2.842	2.158	2.158
EXTREME SPREAD	2.880	2.585	2.483
NUMBER IN ONE INCH CIRCLE =	0	0	0
NUMBER IN TWO INCH CIRCLE =	5	5	5
NUMBER IN THREE INCH CIRCLE =	9	9	9

12 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523469

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 3.133

VS= 2.738

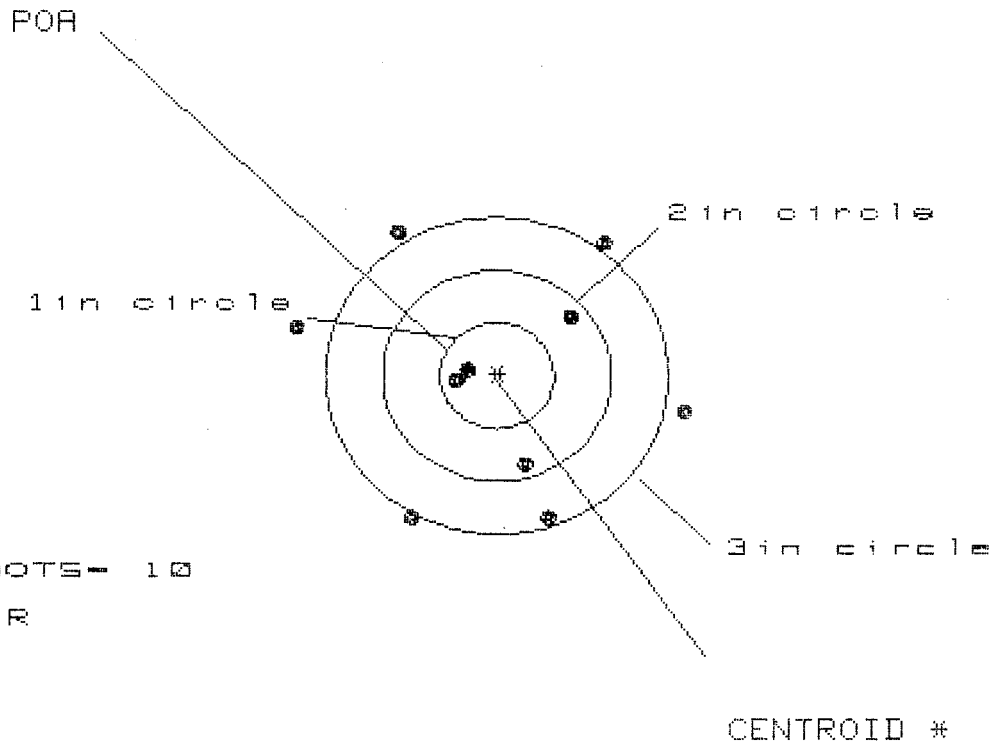
GS= 3.324

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.649	1.484	.845
MINIMUM X	:	-1.484	-.931	-.746
MAXIMUM Y	:	1.489	1.386	1.394
MINIMUM Y	:	-1.249	-1.352	-1.344
CENTROID X	:	-.233	-.068	-.254
CENTROID Y	:	.187	.290	.281
POA TO CENTROID in.	:	.298	.298	.379
MIN RADIUS	:	.245	.337	.167
MEAN RADIUS	:	1.062	.975	.891
MAX RADIUS	:	1.754	1.524	1.465
HORIZONTAL SPREAD	:	3.133	2.415	1.590
VERTICAL SPREAD	:	2.738	2.738	2.738
EXTREME SPREAD	:	3.324	2.925	2.925
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	5		
NUMBER IN THREE INCH CIRCLE =	:	7		

12 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523463

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS = 3.333

VS = 2.659

GS = 3.428

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.603	1.411	.957
MINIMUM X	:	-1.730	-1.036	-.859
MAXIMUM Y	:	1.368	1.421	1.388
MINIMUM Y	:	-1.291	-1.238	-1.271
CENTROID X	:	.258	.450	.273
CENTROID Y	:	-.061	-.114	-.081
POA TO CENTROID in.	:	.265	.464	.285
MIN RADIUS	:	.285	.484	.305
MEAN RADIUS	:	1.175	1.114	1.042
MAX RADIUS	:	1.795	1.759	1.633
HORIZONTAL SPREAD	:	3.333	2.447	1.816
VERTICAL SPREAD	:	2.659	2.659	2.659
EXTREME SPREAD	:	3.428	3.078	3.078
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	6		