

C6523323

MODEL 700™ M24

Model **SMS**™

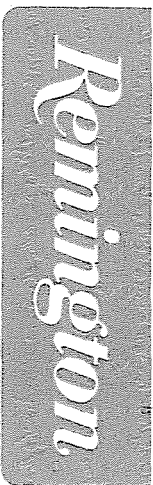
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00102290** Serial: **C6523323** Model: **M24 SWS** Center Fire Caliber: **7.62 NATO** Repairman: Status: **Closed 10/14/2005 7:42:49 AM**

Verify Repair: **[REDACTED]**

Address Information

Customer: ☒ Received From: ☐ Return To: ☐ Received From: ☐

Name: **HHC 2 128TH IN BN** **HHC 2 128TH IN BN**

Address 1: **2490 25TH STREET** **2490 25TH STREET**

Address 2: **[REDACTED]** PO Box: **[REDACTED]** **[REDACTED]** PO Box: **[REDACTED]**

City: **CAMP SHELBY** **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US** State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: **NA** Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

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

negletj 10/14/2005 7:57 AM CAPS INUM INS SCRL

start 3 4 2

Serial Number: **C6523323**

Model: **M24 SWS**

RE00102290

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523323.___0

FILE DATE AND TIME: 10/24/2005 18:05

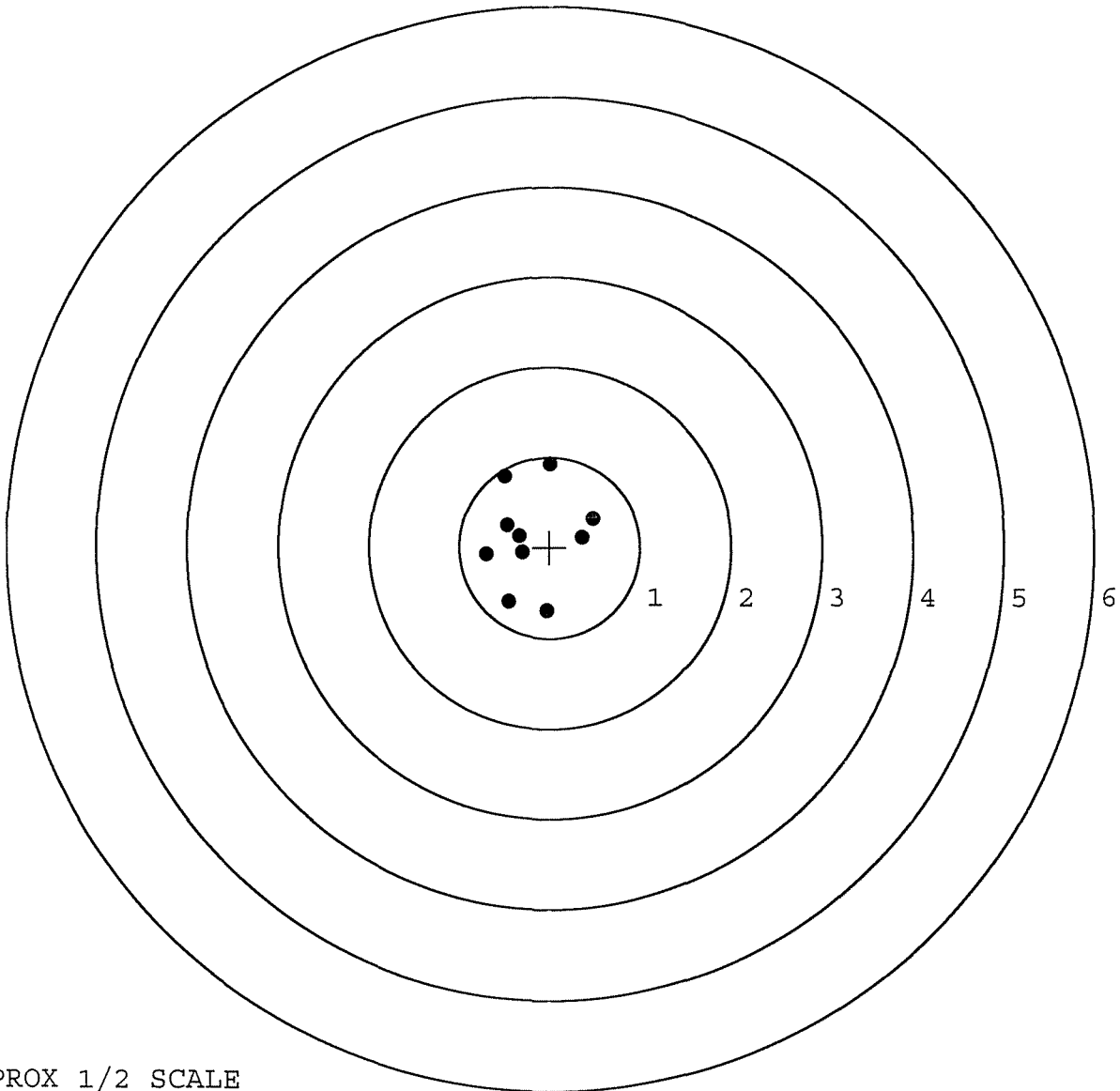
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.021
The Average Y Centroid of the Five Target Set:	0.059
The Average Point of Impact of the Five Target Set:	0.062
The Average Mean Radius of the Five Target Set:	0.567
The Distance from POA to Centroid Target #1:	0.221
The Distance from Centroid Target #2 to Centroid Target #1:	0.282
The Distance from Centroid Target #3 to Centroid Target #1:	0.148
The Distance from Centroid Target #4 to Centroid Target #1:	0.172
The Distance from Centroid Target #5 to Centroid Target #1:	0.374

SERIAL NUMBER: C6523323. __0
 TARGET NUMBER: 1
 FILE DATE: 10/24/2005
 FILE TIME: 18:05

X CENTROID: -0.196
 Y CENTROID: 0.103
 POA TO CENTROID: 0.221
 HORZ SPREAD: 1.186
 VERT SPREAD: 1.626
 GROUP SPREAD: 1.626
 MIN RADIUS: 0.142
 MAX RADIUS: 0.839
 MEAN RADIUS: 0.562
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.365	0.110
2:	0.485	0.315
3:	-0.005	0.920
4:	-0.500	0.780
5:	-0.336	0.125
6:	-0.473	0.240
7:	-0.701	-0.081
8:	-0.301	-0.065
9:	-0.454	-0.606
10:	-0.037	-0.706

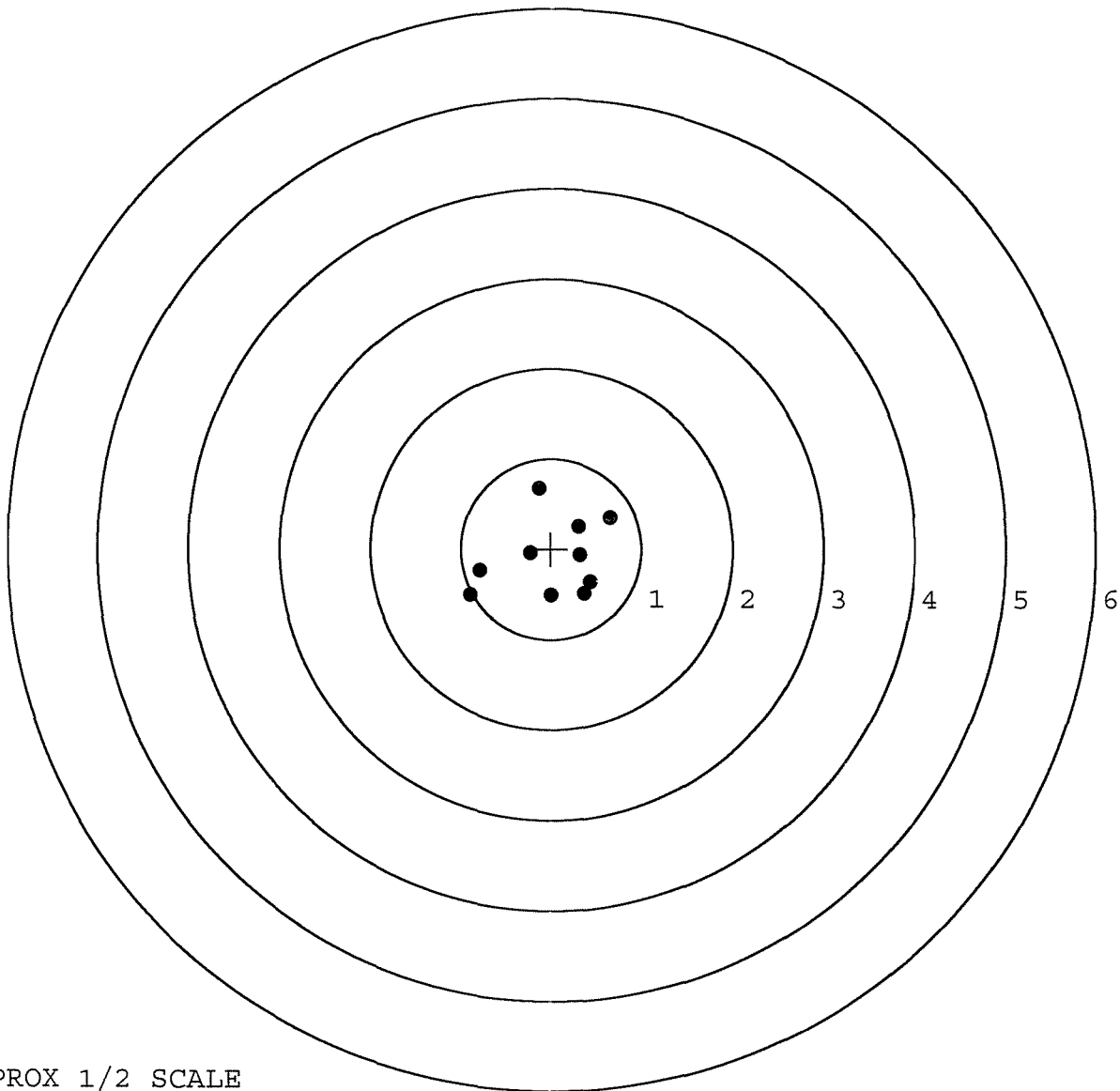


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523323. __0
 TARGET NUMBER: 2
 FILE DATE: 10/24/2005
 FILE TIME: 18:05

X CENTROID: 0.003
 Y CENTROID: -0.097
 POA TO CENTROID: 0.097
 HORZ SPREAD: 1.557
 VERT SPREAD: 1.185
 GROUP SPREAD: 1.780
 MIN RADIUS: 0.238
 MAX RADIUS: 0.994
 MEAN RADIUS: 0.586
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.138	0.667
2:	-0.230	-0.050
3:	0.000	-0.518
4:	0.434	-0.365
5:	0.367	-0.487
6:	0.323	-0.068
7:	0.312	0.252
8:	0.657	0.349
9:	-0.791	-0.239
10:	-0.900	-0.513

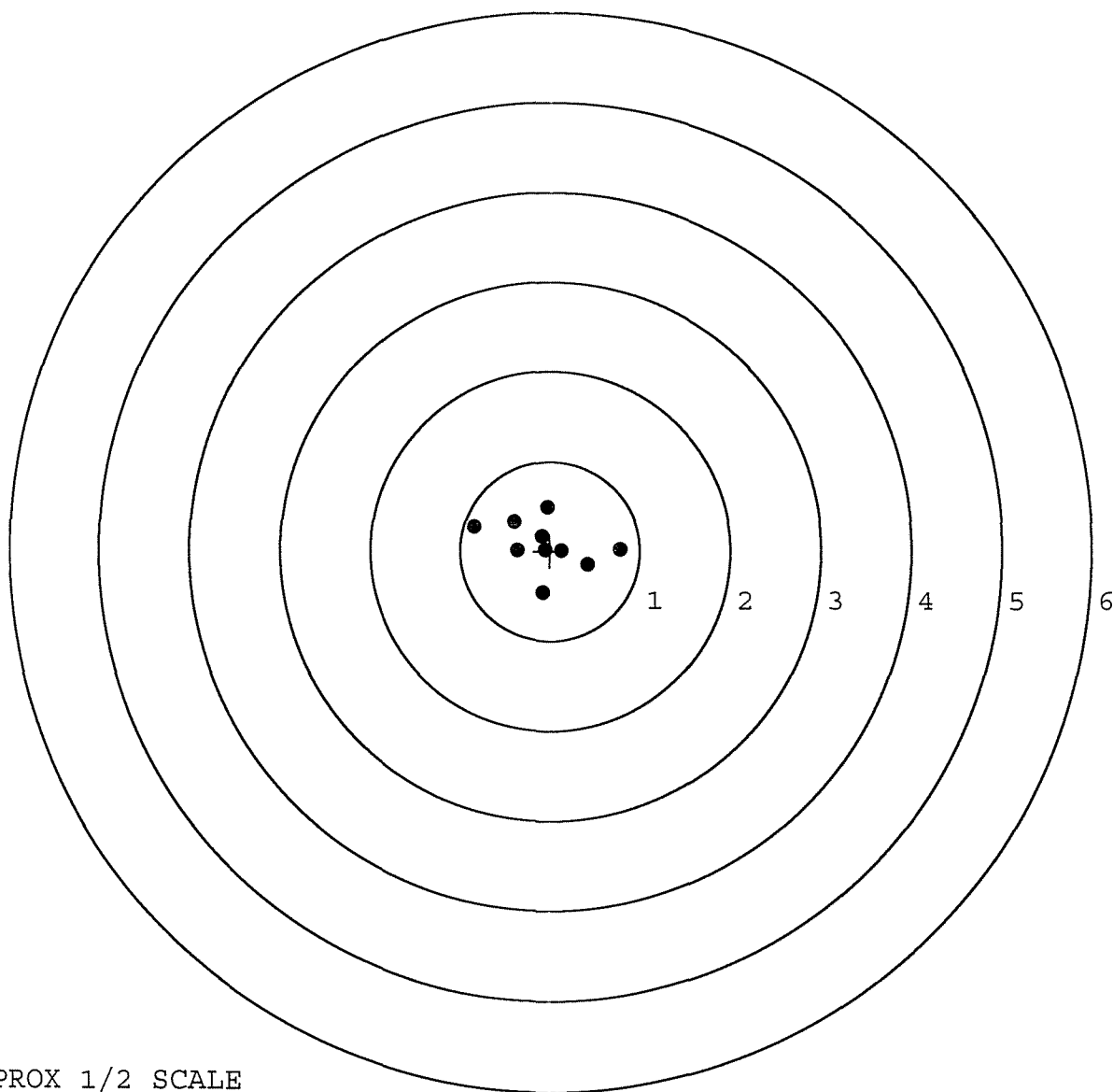


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523323. 0
 TARGET NUMBER: 3
 FILE DATE: 10/24/2005
 FILE TIME: 18:05

X CENTROID: -0.052
 Y CENTROID: 0.064
 POA TO CENTROID: 0.083
 HORZ SPREAD: 1.623
 VERT SPREAD: 0.960
 GROUP SPREAD: 1.643
 MIN RADIUS: 0.053
 MAX RADIUS: 0.836
 MEAN RADIUS: 0.424
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.036	0.488
2:	-0.395	0.321
3:	-0.361	0.004
4:	-0.086	-0.472
5:	0.423	-0.158
6:	0.782	0.014
7:	-0.841	0.272
8:	-0.055	0.011
9:	0.133	-0.002
10:	-0.089	0.164

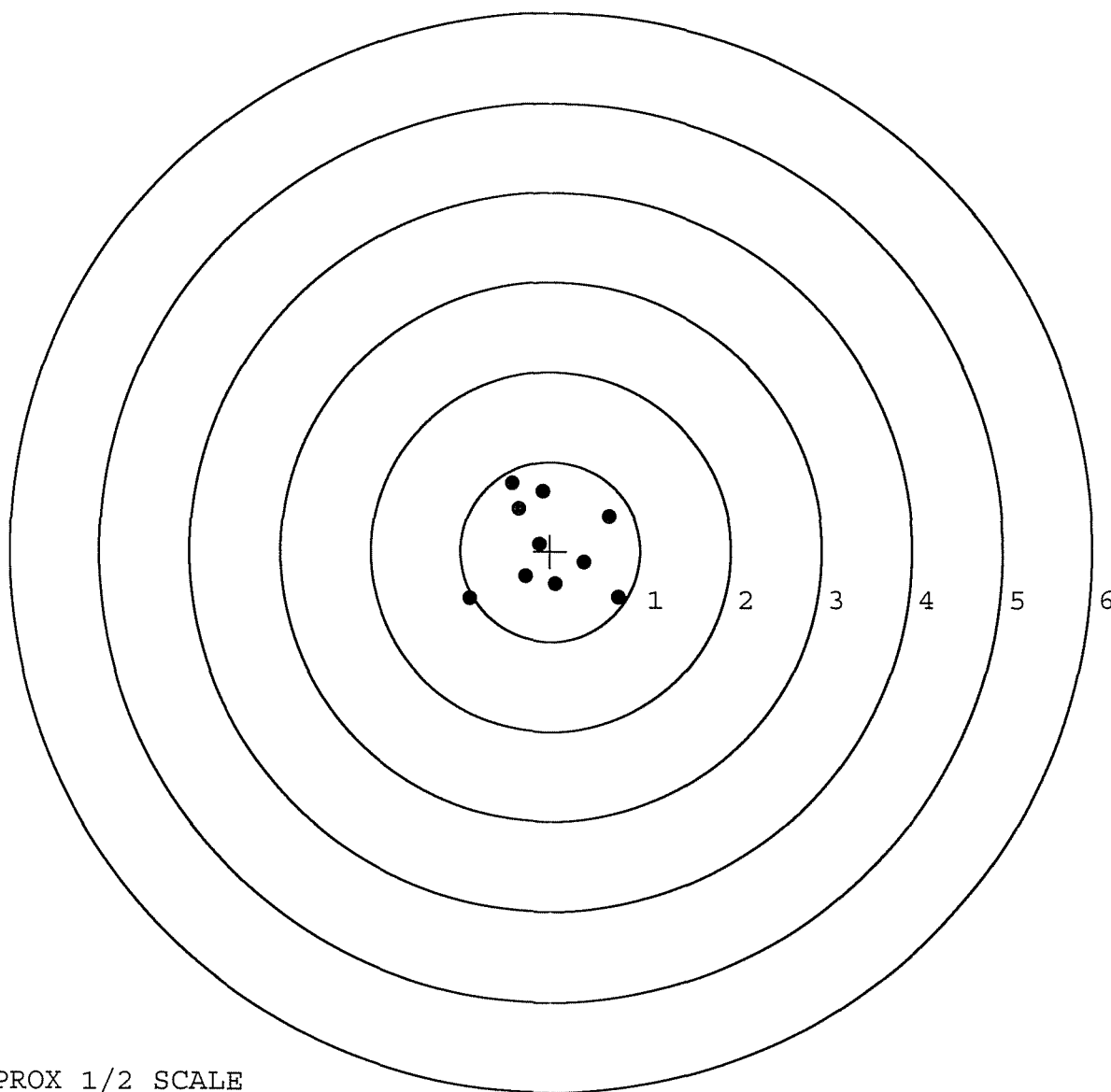


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523323. __0
 TARGET NUMBER: 4
 FILE DATE: 10/24/2005
 FILE TIME: 18:05

X CENTROID: -0.032
 Y CENTROID: 0.051
 POA TO CENTROID: 0.060
 HORZ SPREAD: 1.653
 VERT SPREAD: 1.287
 GROUP SPREAD: 1.797
 MIN RADIUS: 0.093
 MAX RADIUS: 1.040
 MEAN RADIUS: 0.613
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.380	-0.131
2:	0.059	-0.371
3:	-0.275	-0.287
4:	0.759	-0.521
5:	0.651	0.385
6:	-0.359	0.468
7:	-0.088	0.667
8:	-0.432	0.755
9:	-0.894	-0.532
10:	-0.122	0.074



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523323. __0

TARGET NUMBER: 5

FILE DATE: 10/24/2005

FILE TIME: 18:05

X CENTROID: 0.172

Y CENTROID: 0.173

POA TO CENTROID: 0.244

HORZ SPREAD: 1.200

VERT SPREAD: 1.860

GROUP SPREAD: 1.822

MIN RADIUS: 0.155

MAX RADIUS: 0.999

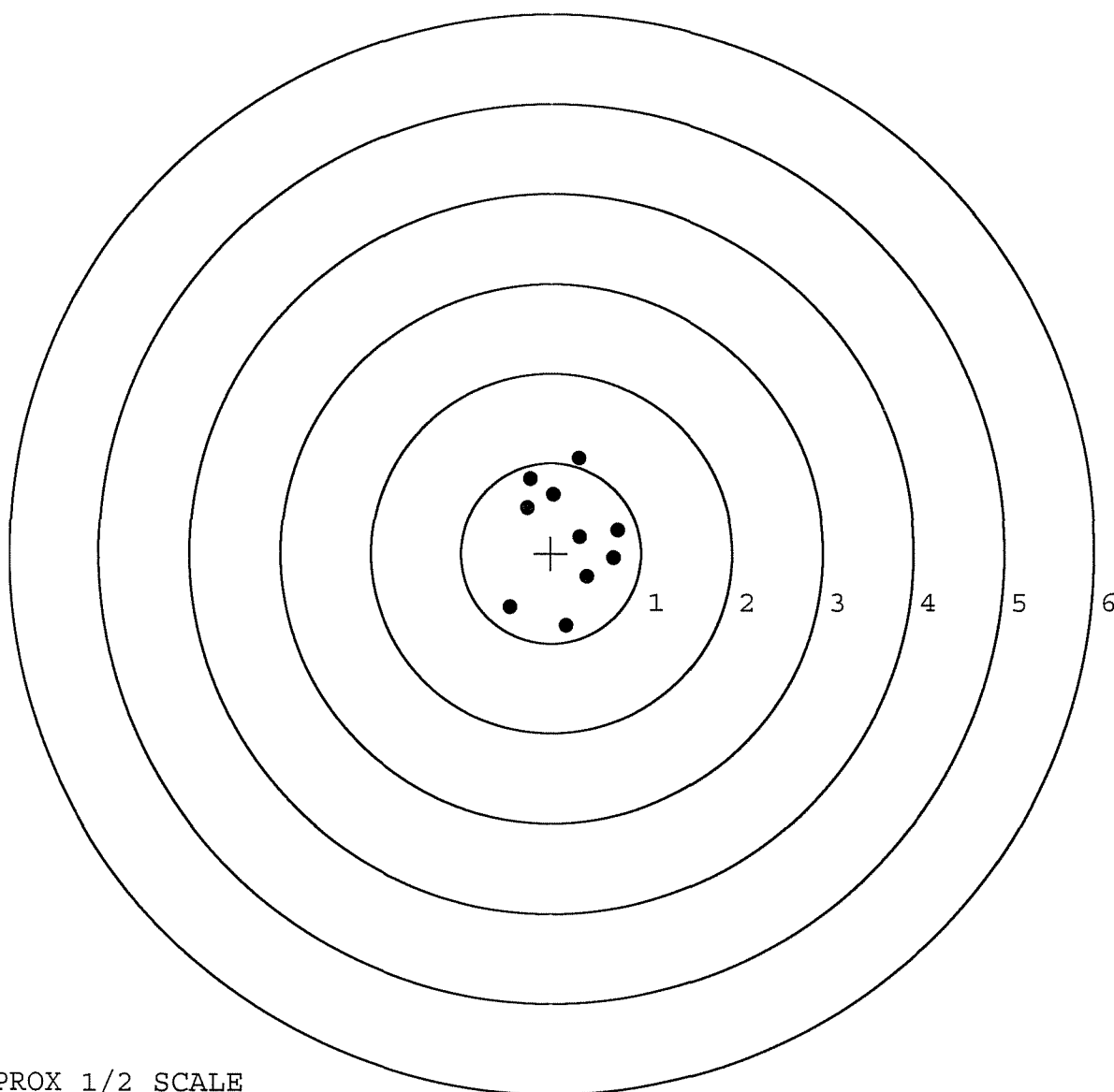
MEAN RADIUS: 0.649

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.026	0.653
2:	-0.269	0.500
3:	-0.238	0.825
4:	0.312	1.049
5:	0.326	0.183
6:	0.741	0.255
7:	0.700	-0.058
8:	0.405	-0.261
9:	0.172	-0.811
10:	-0.459	-0.602

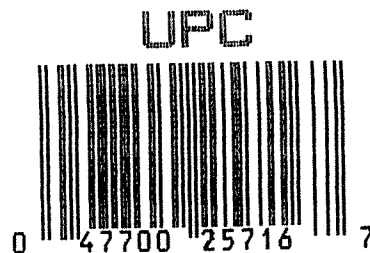


TARGET APPROX 1/2 SCALE

USAPPC V1.10

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

[illegible]



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523323

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	GS
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	TA
	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	GS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	3 3/4			11/9/90	WB
	G) Safety Off Force	3 3/4	3 3/4	3 3/4			11/9/90	WB
	H) Trigger Pull Test & Retainability						11/9/90	BS
	I) Firing Pin Indent	.021	.021	.021			11/9/90	WB
	J) Assemble Stock						11/10/90	RW
	K) Assemble Swivel Studs						10-20-90	JS
	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	K
	A) Time						"	K
	B) Malfunctions						"	K
	C) Pierced Primers						"	K
	D) Optical Clarity of Scope						"	K
645	Inspect for Live Ammo						11-12-90	K
655	Final Inspection							
	A) Headspace						10-20-90	JS
	B) Trigger Pull	275	277	292	292	290	10-20-90	JS
	C) Function						10-20-90	JS
660	Pack						12/18/90	RF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523323

DATE 9 NOV 90

TESTER ED

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	232	223	233	275	MIN. SETTING
PULL #2	219	240	234	279	NO -AVG. -GF. 5
PULL #3	224	216	234	292	READINGS ACCEPT-
PULL #4	223	233	229	292	ABLE LESS THAN 2#
PULL #5	220	226	256	290	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	298	287		
PULL #2	301	294		
PULL #3	294	293		
PULL #4	312	287		
PULL #5	301	299		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	396	387		407
PULL #2	385	393		416
PULL #3	387	391		418
PULL #4	388	394		419
PULL #5	386	391		431
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523323
13 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.394057
1 TO	2	.548358
1 TO	3	.486072
1 TO	4	.286986
1 TO	5	.578911

25
33
1

-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0312
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.041
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0515213
THE AMR FOR THIS RIFLE IS: .8792

12 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523323

CENTERFIRE PATTERNS # 1

POR

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 4

2in = 7

3in = 10

HS = 2.239

VS = 1.188

GS = 2.285

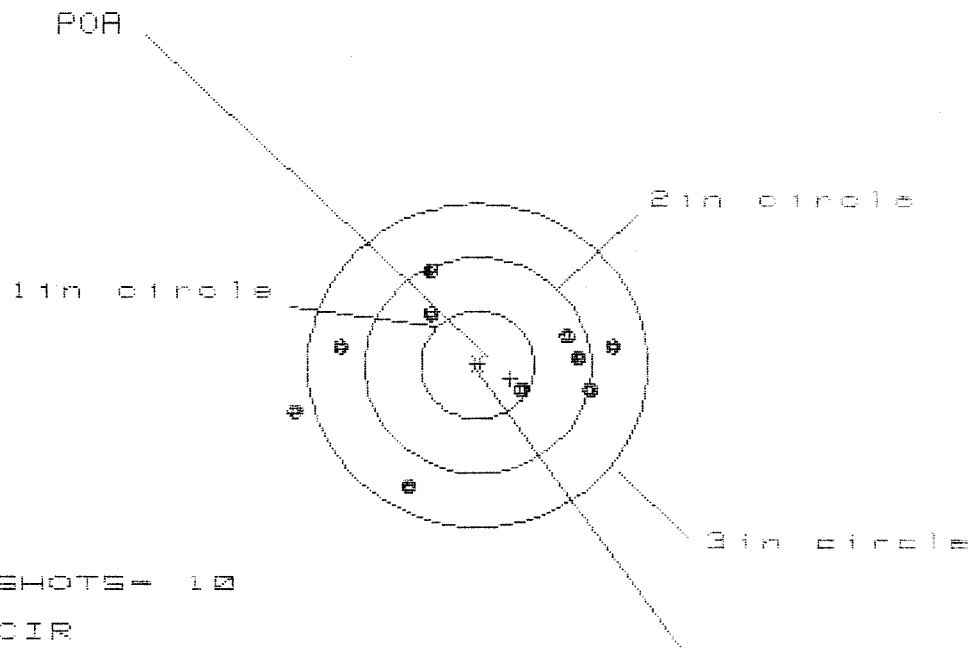
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.177	1.059	.939
MINIMUM X	-1.062	-.945	-.813
MAXIMUM Y	.436	.353	.275
MINIMUM Y	-.752	-.623	-.465
CENTROID X	-.084	.034	-.098
CENTROID Y	-.385	-.302	-.224
POR TO CENTROID in.	.394	.304	.244
MIN RADIUS	.215	.194	.147
MEAN RADIUS	.687	.601	.496
MAX RADIUS	1.301	1.229	.968
HORIZONTAL SPREAD	2.239	2.004	1.752
VERTICAL SPREAD	1.188	.976	.740
EXTREME SPREAD	2.295	2.106	1.776
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

12 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08529323

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 2.811

VS= 2.008

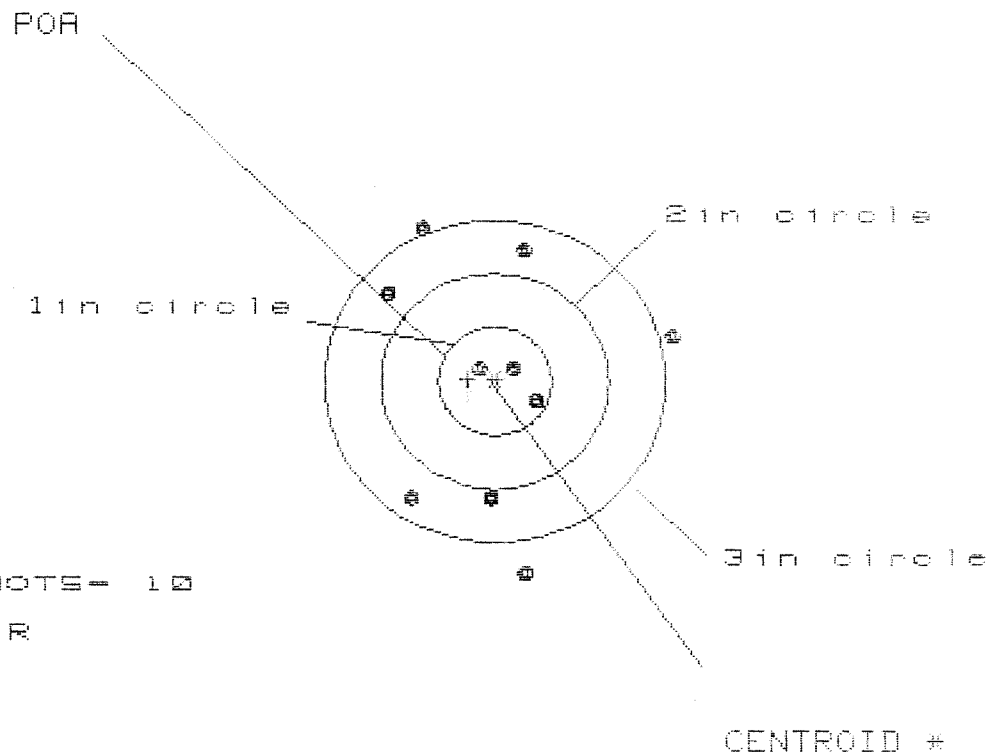
GS= 2.891

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.211	1.033	.930
MINIMUM X	:	-1.600	-1.348	-1.450
MAXIMUM Y	:	.909	.857	.713
MINIMUM Y	:	-1.099	-1.151	-.454
CENTROID X	:	-.288	-.110	-.007
CENTROID Y	:	.124	.176	.320
POA TO CENTROID in.	:	.314	.208	.320
MIN RADIUS	:	.423	.345	.452
MEAN RADIUS	:	1.011	.900	.812
MAX RADIUS	:	1.667	1.415	1.451
HORIZONTAL SPREAD	:	2.811	2.381	2.381
VERTICAL SPREAD	:	2.008	2.008	1.167
EXTREME SPREAD	:	2.891	2.382	2.382
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523323

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 3

3in = 7

HS= 2.475

VS= 3.168

GS= 3.273

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.525	1.550	.543
MINIMUM X	:	-.950	-.925	-.731
MAXIMUM Y	:	1.403	1.207	1.232
MINIMUM Y	:	-1.765	-1.263	-1.238
CENTROID X	:	.237	.212	.018
CENTROID Y	:	-.020	.176	.151
POA TO CENTROID in.	:	.237	.276	.152
MIN RADIUS	:	.207	.188	.082
MEAN RADIUS	:	1.052	.967	.892
MAX RADIUS	:	1.779	1.563	1.357
HORIZONTAL SPREAD	:	2.475	2.475	1.274
VERTICAL SPREAD	:	3.168	2.470	2.470
EXTREME SPREAD	:	3.273	2.728	2.514
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

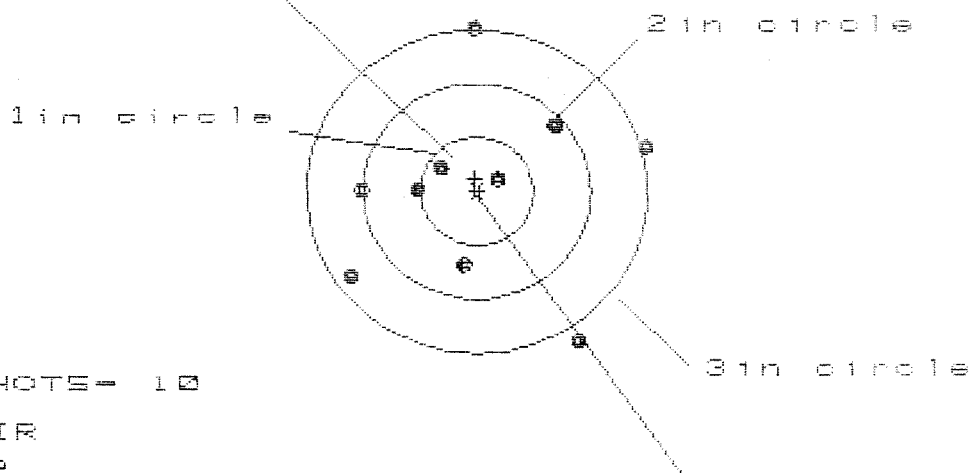
12 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523323

CENTERFIRE PATTERNS

4

FOR



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 7

HS = 2.577

VS = 2.898

GS = 3.024

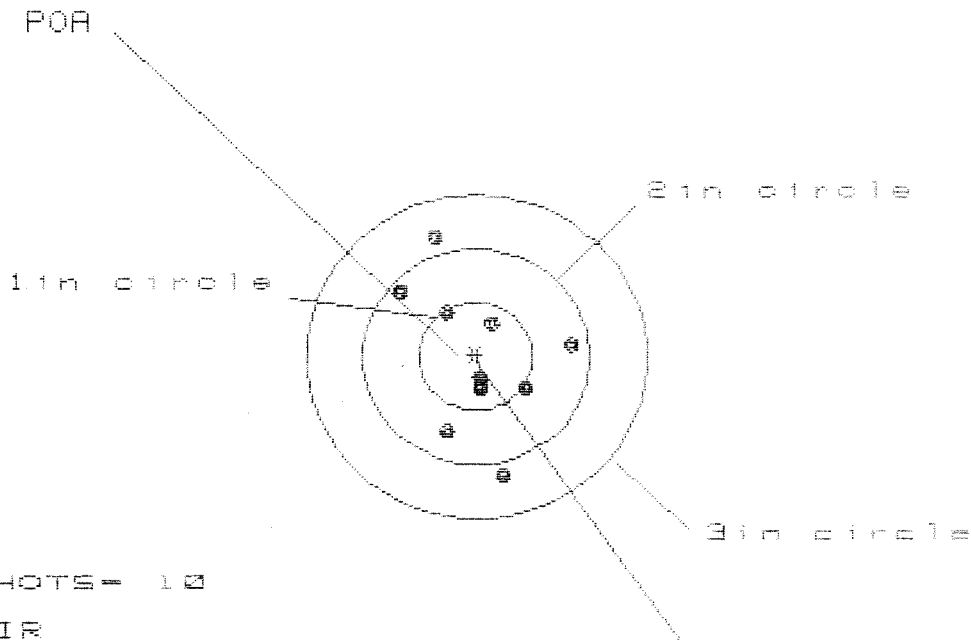
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.455	1.550	1.004
MINIMUM X	:	-1.122	-1.027	-.834
MAXIMUM Y	:	1.509	1.356	1.391
MINIMUM Y	:	-1.381	-.979	-.944
CENTROID X	:	.016	-.079	-.272
CENTROID Y	:	-.116	.037	.002
FOR TO CENTROID in.	:	.117	.087	.272
MIN RADIUS	:	.195	.235	.090
MEAN RADIUS	:	.979	.887	.765
MAX RADIUS	:	1.621	1.575	1.413
HORIZONTAL SPREAD	:	2.577	2.577	1.838
VERTICAL SPREAD	:	2.898	2.335	2.335
EXTREME SPREAD	:	3.024	2.869	2.573
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

12 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523323

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 4

2in = 8

3in = 10

HS = 1.491

VS = 2.212

GS = 2.283

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.826	.784	.802
MINIMUM X	-.665	-.707	-.689
MAXIMUM Y	1.148	.749	.632
MINIMUM Y	-1.064	-.937	-.703
CENTROID X	-.037	.005	-.013
CENTROID Y	.192	.065	.182
POA TO CENTROID in.	.196	.065	.182
MIN RADIUS	.200	.080	.190
MEAN RADIUS	.667	.582	.545
MAX RADIUS	1.208	1.030	.935
HORIZONTAL SPREAD	1.491	1.491	1.491
VERTICAL SPREAD	2.212	1.686	1.335
EXTREME SPREAD	2.283	1.890	1.575
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		