

C6587730

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Spread®

Repair Inquiry

Repair Number: **RE00086443**Serial: C6587730 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 10/14/2004 9:56:32 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received FromName: **TRANSPORTATION OFFICER****TRANSPORTATION OFFICER**

Address 1:

Address 2: **DEF DIST DEPOT**

PO Box:

City: **ANNISTON**State: **AL**Zip Code: **36201**Country: **US**State: **AL**Zip Code: **36201**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
A009	Soft Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A042	Adjustable Butt Pad	1
A045	Bi Pod	1

Repair Search

Refresh

Close

nagletj

10/14/2004

1:36 PM

CAPS

NUM

INS

SCRL

start

5

4

Arms Servi...

3

Serial Number: **C6587730**
Model: **M24 SWS**

RE00086443

2.50 LBS (plus or minus 0.50 LBS)
 3.00 LBS (plus or minus 0.75 LBS)
 4.00 LBS (plus or minus 1.00 LBS)

DATE 10-11-04
 TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.27	2.05		2.26	
PULL #2	2.12	2.06		2.22	
PULL #3	2.16	2.06		2.19	
PULL #4	2.15	2.12		2.21	
PULL #5	2.16	2.10		2.18	
TOTAL	10.86	10.39		11.06	
AVERAGE	2.17	2.07		2.21	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.38	3.40		
PULL #2	3.38	3.38		
PULL #3	3.41	3.44		
PULL #4	3.44	3.43		
PULL #5	3.43	3.45		
TOTAL	17.04	17.10		
AVERAGE	3.40	3.42		

	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	4.26	4.27		4.51
PULL #2	4.18	4.24		4.48
PULL #3	4.22	4.22		4.35
PULL #4	4.20	4.24		4.53
PULL #5	4.35	3.78		4.54
TOTAL	21.21	20.75		22.41
AVERAGE	4.24	4.15		4.48

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587730.___0
FILE DATE AND TIME: 11/05/2004 22:18

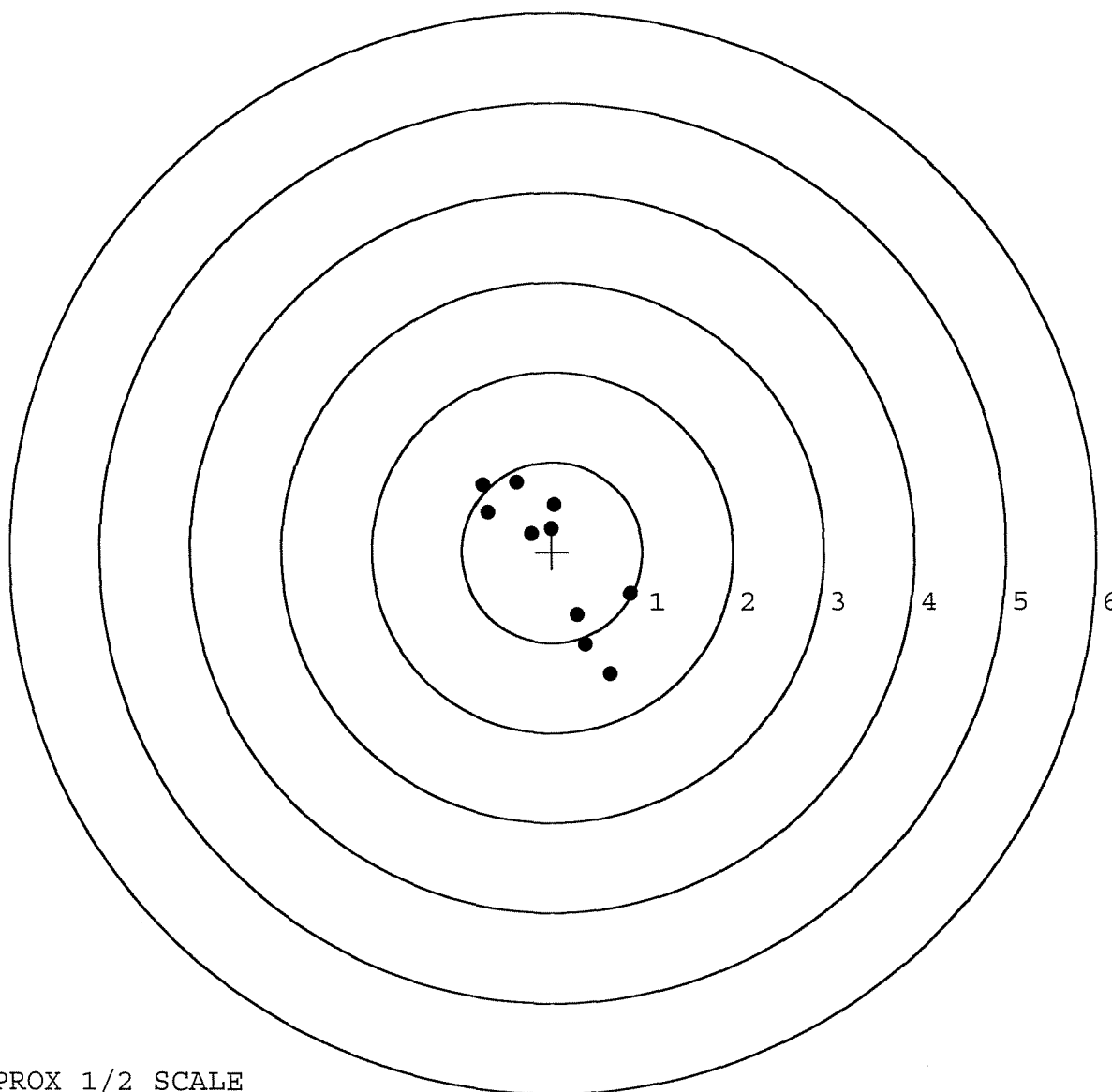
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.018
The Average Y Centroid of the Five Target Set:	-0.032
The Average Point of Impact of the Five Target Set:	0.037
The Average Mean Radius of the Five Target Set:	0.846
The Distance from POA to Centroid Target #1:	0.060
The Distance from Centroid Target #2 to Centroid Target #1:	0.067
The Distance from Centroid Target #3 to Centroid Target #1:	0.346
The Distance from Centroid Target #4 to Centroid Target #1:	0.252
The Distance from Centroid Target #5 to Centroid Target #1:	0.325

SERIAL NUMBER: C6587730. 0
TARGET NUMBER: 1
FILE DATE: 11/05/2004
FILE TIME: 22:18

X CENTROID: 0.007
Y CENTROID: -0.060
POA TO CENTROID: 0.060
HORZ SPREAD: 1.642
VERT SPREAD: 2.117
GROUP SPREAD: 2.529
MIN RADIUS: 0.317
MAX RADIUS: 1.439
MEAN RADIUS: 0.828
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.649	-1.347
2:	0.371	-1.022
3:	0.281	-0.694
4:	0.869	-0.460
5:	0.023	0.523
6:	-0.013	0.257
7:	-0.715	0.440
8:	-0.773	0.744
9:	-0.395	0.770
10:	-0.232	0.194



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587730. 0

TARGET NUMBER: 2

FILE DATE: 11/05/2004

FILE TIME: 22:18

X CENTROID: -0.001

Y CENTROID: 0.008

POA TO CENTROID: 0.008

HORZ SPREAD: 1.502

VERT SPREAD: 2.081

GROUP SPREAD: 2.122

MIN RADIUS: 0.280

MAX RADIUS: 1.275

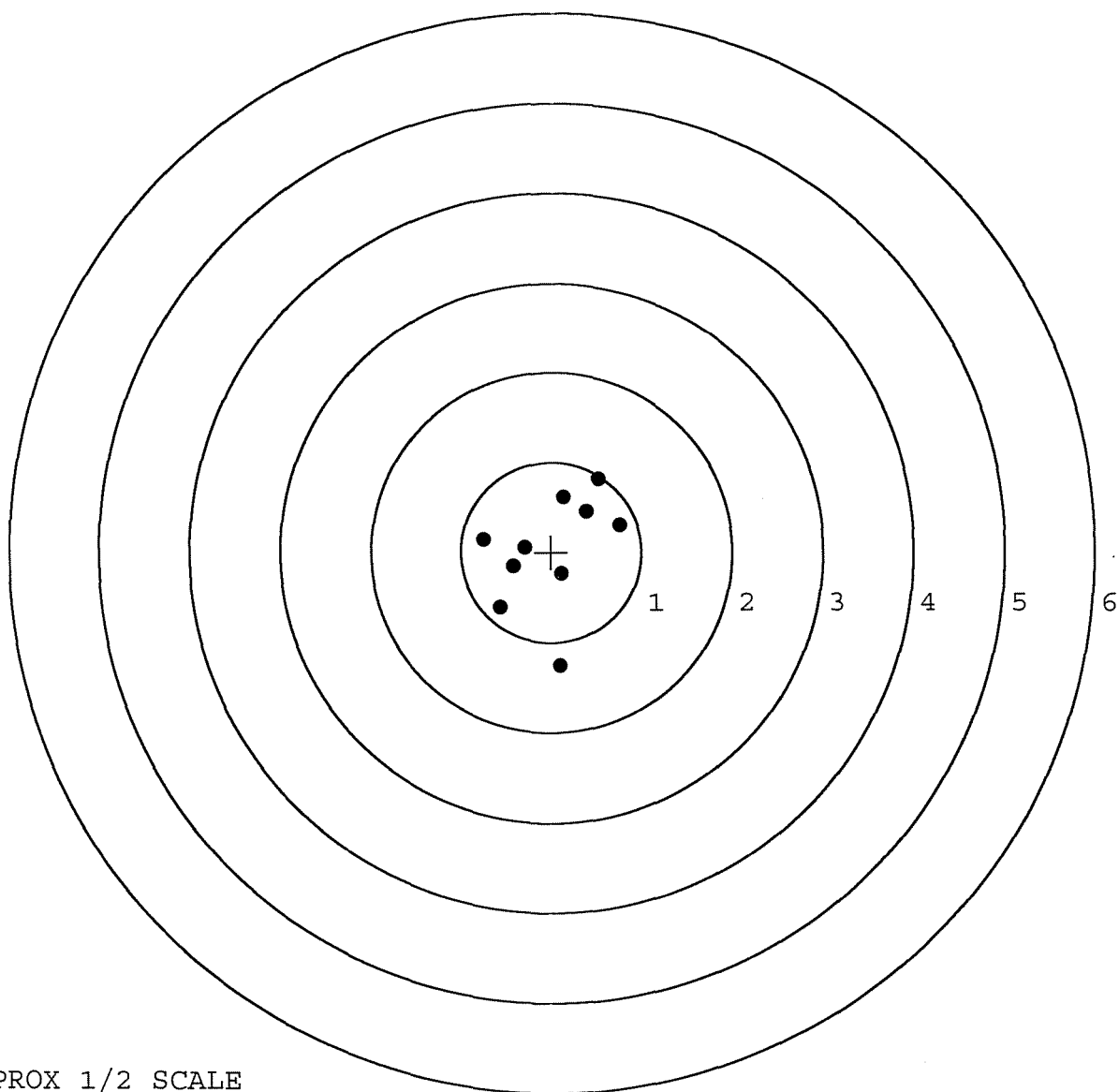
MEAN RADIUS: 0.689

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.107	-1.263
2:	0.117	-0.246
3:	-0.298	0.052
4:	-0.423	-0.166
5:	-0.565	-0.614
6:	-0.747	0.138
7:	0.755	0.301
8:	0.387	0.448
9:	0.137	0.608
10:	0.523	0.818

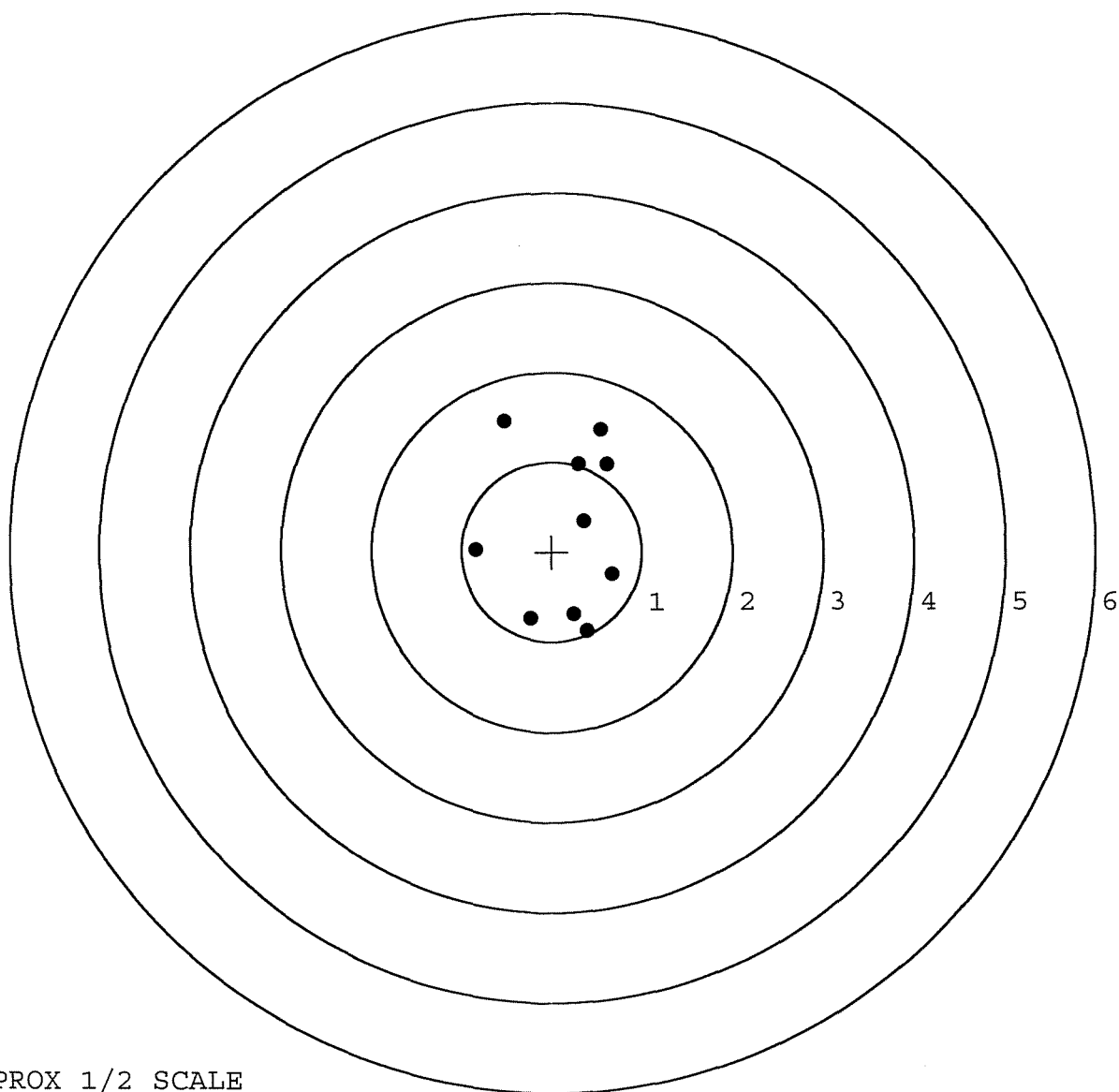


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587730. 0
TARGET NUMBER: 3
FILE DATE: 11/05/2004
FILE TIME: 22:18

X CENTROID: 0.151
Y CENTROID: 0.255
POA TO CENTROID: 0.297
HORZ SPREAD: 1.518
VERT SPREAD: 2.334
GROUP SPREAD: 2.514
MIN RADIUS: 0.222
MAX RADIUS: 1.375
MEAN RADIUS: 0.932
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.400	-0.886
2:	0.249	-0.699
3:	-0.234	-0.751
4:	-0.845	0.025
5:	0.673	-0.247
6:	0.356	0.341
7:	0.296	0.977
8:	0.609	0.979
9:	0.544	1.363
10:	-0.533	1.448

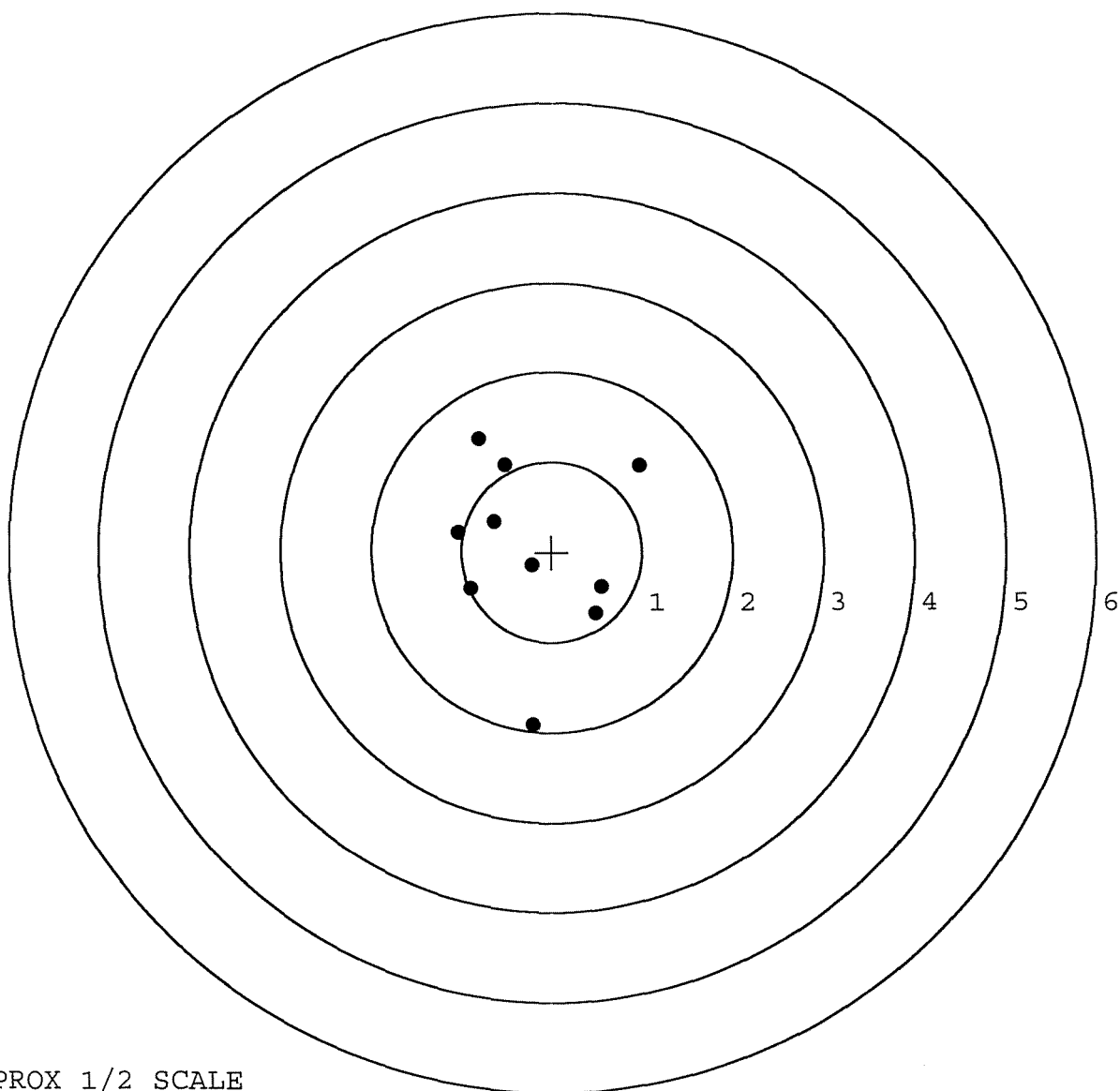


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587730. __0
TARGET NUMBER: 4
FILE DATE: 11/05/2004
FILE TIME: 22:18

X CENTROID: -0.233
Y CENTROID: 0.019
POA TO CENTROID: 0.234
HORZ SPREAD: 2.006
VERT SPREAD: 3.172
GROUP SPREAD: 3.227
MIN RADIUS: 0.168
MAX RADIUS: 1.941
MEAN RADIUS: 1.001
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.488	-0.675
2:	0.557	-0.384
3:	-0.213	-1.921
4:	0.967	0.960
5:	-0.522	0.963
6:	-0.807	1.251
7:	-0.642	0.339
8:	-0.221	-0.148
9:	-1.039	0.217
10:	-0.899	-0.408



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587730. 0

TARGET NUMBER: 5

FILE DATE: 11/05/2004

FILE TIME: 22:18

X CENTROID: -0.016

Y CENTROID: -0.384

POA TO CENTROID: 0.384

HORZ SPREAD: 1.592

VERT SPREAD: 2.653

GROUP SPREAD: 2.724

MIN RADIUS: 0.076

MAX RADIUS: 1.451

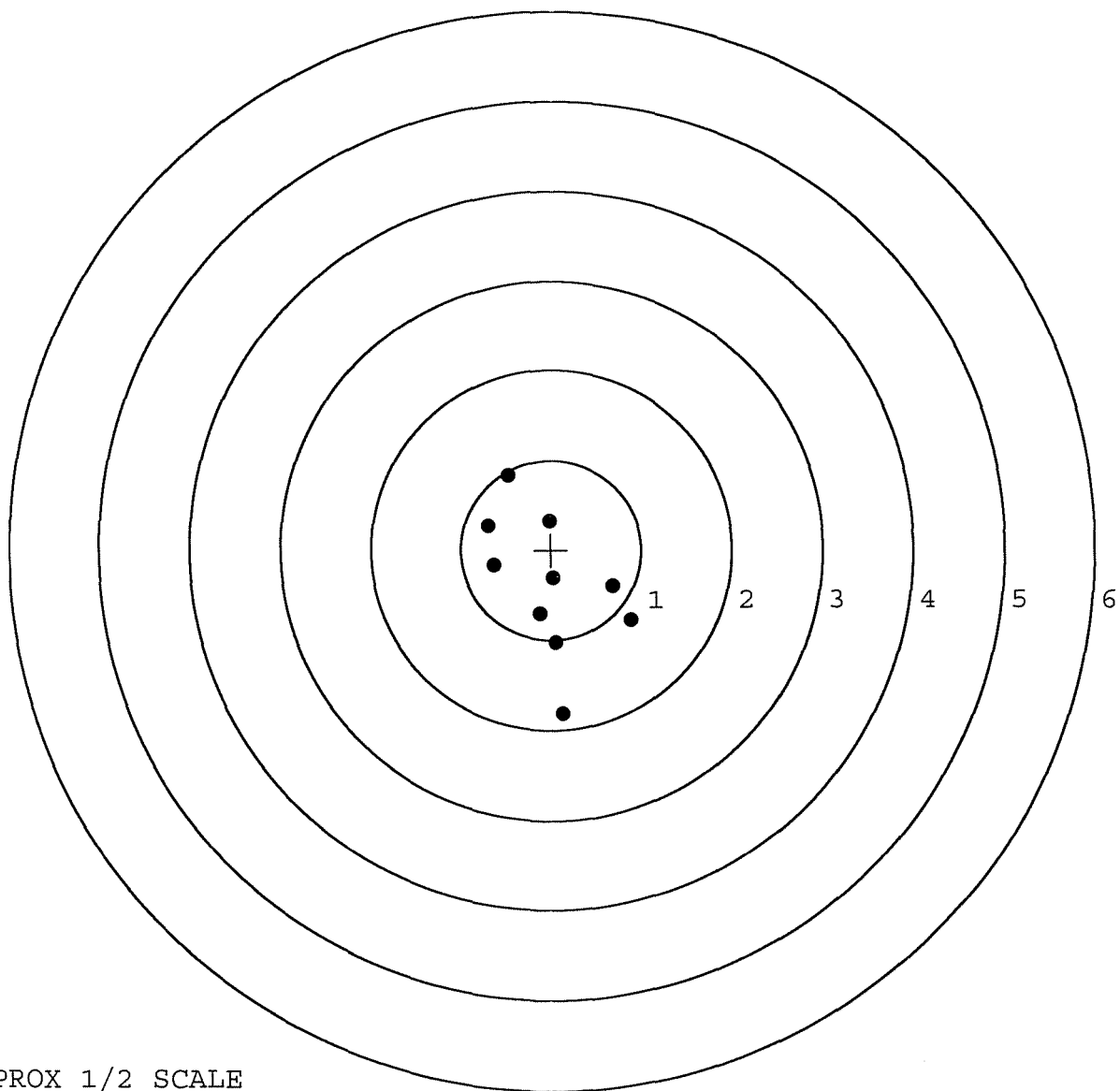
MEAN RADIUS: 0.783

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.142	-1.826
2:	0.893	-0.781
3:	0.683	-0.405
4:	0.059	-1.039
5:	-0.125	-0.715
6:	0.021	-0.318
7:	-0.638	-0.174
8:	-0.699	0.267
9:	-0.023	0.323
10:	-0.475	0.827



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	86443		
SERIAL NUMBER	C6587730		
LOG-IN DATE	10-14-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-15-04	RTL
560 A	RE-BARREL	10-16-04	RTL
B	DRILL AND TAP	10-19-04	TRW
575	ASSEMBLE	10-16-04	RTL
600	PROOF	10-18-04	RTL
605	CHECK HEADSPACE	10-18-04	RTL
610	DIS-ASSEMBLE GUN	10-19-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10/20/04	LB
618	ROTO-BLAST	10-22-04	LB
620	APPLY COATINGS	10/20/04	HP
625 A	FINAL ASSEMBLY	11-4-04	RTL
B	TRIGGER PULL TEST	11-8-04	RTL
C	SAFETY "ON" FORCE	11-8-04	RTL
D	SAFETY "OFF" FORCE	11-8-04	RTL
E	FIRING PIN INDENT		
640	TARGET	11-5-04	TRW
655	FINAL INSPECT	11-8-04	RTL
660	PACK	11-8-04	RA
		SHIP DATE	
		QAR INSPECTION DATE	




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

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

MODEL 700™ H24

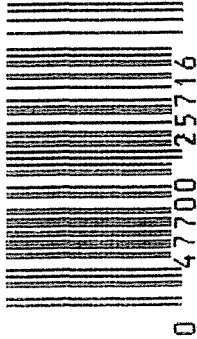
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SERIAL NO.
C6587730

ORDER NO.
5716



LIPC



M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587730

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 9 90		RW
600	Proof	10 9 90		RW
607	Check Headspace	10 9 90		RW
610	Dis-assemble Gun	10 9 90		RW
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		10/17/90	KR
615	Rollmark Caliber		10/17/90	B.P.
617	Drill and Tap Sight Holes		10/18/90	LB
618	Polish Barrel <i>RB</i>		10/18/90	WB
620	Apply Coatings (Barrel Action)		11/5/90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/7/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	RW
	C) Inspect Ejector Hole for Chamfer		11/7/90	RW
	D) Oil Firing Pin Ass'y		11/7/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/12/90	FH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/13/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			11/13/90	WB
	H) Trigger Pull Test & Retainability						11/12/90	gll
	I) Firing Pin Indent	.023	.023	.023			11/13/90	WB
	J) Assemble Stock						11/13/90	RW
	K) Assemble Swivel Studs						11/19/90	JS
	L) Attach Front and Rear Sight Assemblies						11/13/90	RW
	M) Iron Sight Alignment						11/13/90	RW
	N) Detach Front & Rear Sights & place in numbered container						11/13/90	RW
	O) Attach Scope to Rifle						11/13/90	RW
	P) Detach & Attach Scope 20 Times						11/13/90	RW
640	Gallery Target & Test						11-14-90	AC
	A) Time						11-14-90	AC
	B) Malfunctions						11-14-90	AC
	C) Pierced Primers						11-14-90	AC
	D) Optical Clarity of Scope						11-14-90	AC
645	Inspect for Live Ammo						11-14-90	AC
655	Final Inspection							
	A) Headspace						11/19/90	JS
	B) Trigger Pull	228	231	231	232	226	11/19/90	JS
	C) Function						11/19/90	JS
660	Pack						12-17-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587730

DATE 11-12-90

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.19	2.43	2.37	228	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.23	2.43	2.32	231	
PULL #3	2.22	2.45	2.49	231	
PULL #4	2.49	2.43	2.38	232	
PULL #5	2.47	2.50	2.29	226	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.35		
PULL #2	3.27	3.38		
PULL #3	3.26	3.40		
PULL #4	3.22	3.35		
PULL #5	3.10	3.44		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.35		4.21
PULL #2	4.22	4.25		4.51
PULL #3	4.38	4.47		4.38
PULL #4	4.43	4.34		4.31
PULL #5	4.39	4.47		4.30
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587730
14 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.310074
1 TO	2	.324914
1 TO	3	.222146
1 TO	4	.180236
1 TO	5	.316812

*E <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1922
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0892
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .21189

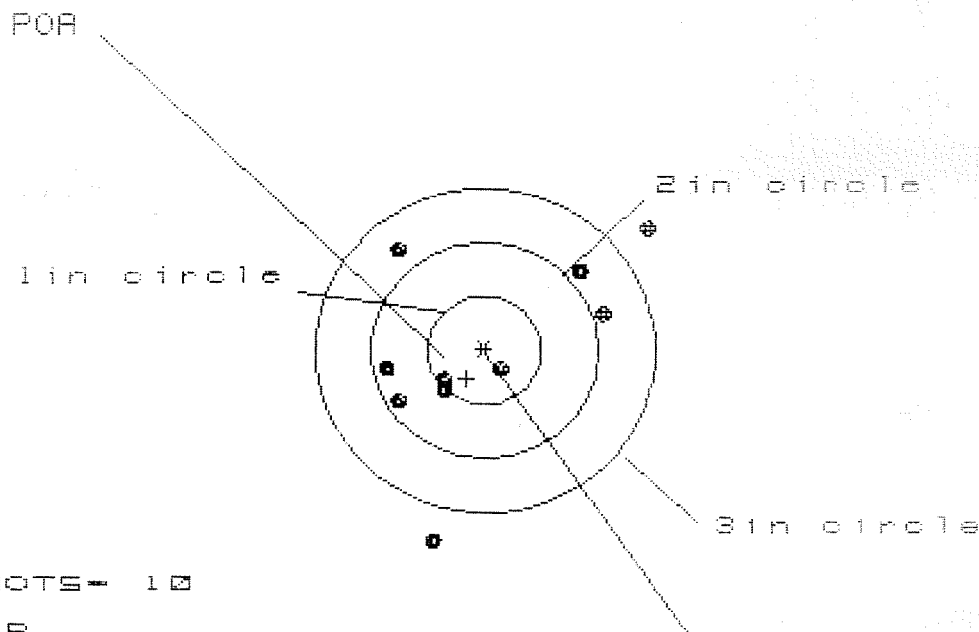
THE AMR FOR THIS RIFLE IS: .8972

14 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587730

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.337

VS = 2.979

GS = 3.523

CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.440	1.391	1.208
MINIMUM X	:	-.897	-.946	-.772
MAXIMUM Y	:	1.173	.973	.817
MINIMUM Y	:	-1.806	-.664	-.543
CENTROID X	:	.161	.210	.036
CENTROID Y	:	.265	.465	.344
POA TO CENTROID in.	:	.310	.510	.346
MIN RADIUS	:	.216	.350	.363
MEAN RADIUS	:	1.007	.937	.789
MAX RADIUS	:	1.859	1.698	1.234
HORIZONTAL SPREAD	:	2.337	2.337	1.980
VERTICAL SPREAD	:	2.979	1.637	1.360
EXTREME SPREAD	:	3.523	2.725	2.032
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

14 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587730

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in - 2

2 in - 8

3 in = 10

HS- 1.835

VS= 2.121

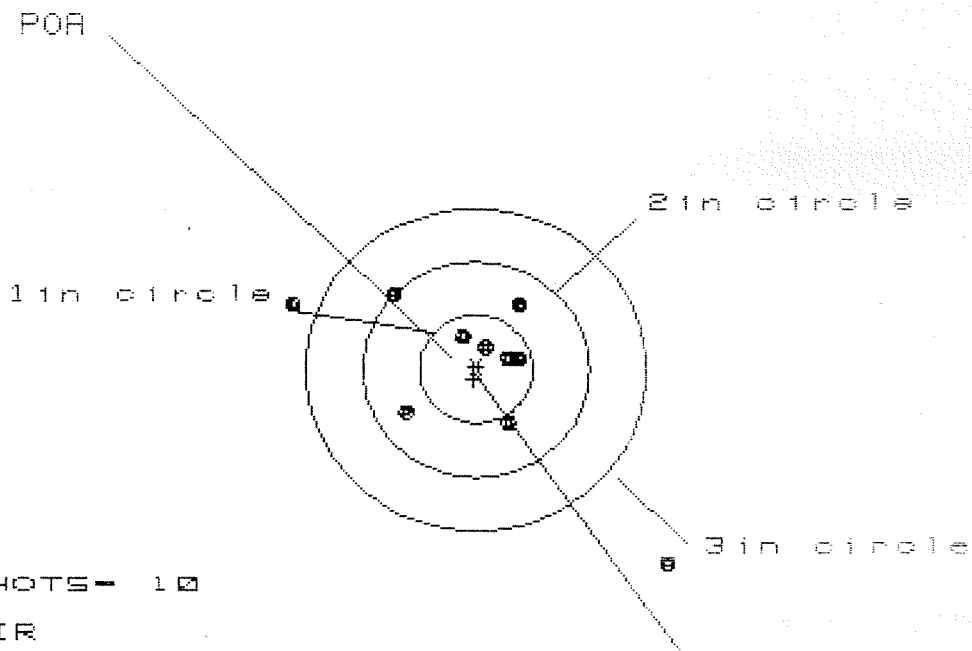
GS= 2.644

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.110	1.029	.974
MINIMUM X	:	-.725	-.795	-.666
MAXIMUM Y	:	1.186	1.100	1.026
MINIMUM Y	:	-.935	-.803	-.877
CENTROID X	:	.273	.354	.225
CENTROID Y	:	-.040	-.172	-.098
POA TO CENTROID in.	:	.276	.393	.246
MIN RADIUS	:	.071	.225	.124
MEAN RADIUS	:	.842	.793	.718
MAX RADIUS	:	1.390	1.184	1.037
HORIZONTAL SPREAD	:	1.835	1.824	1.540
VERTICAL SPREAD	:	2.121	1.903	1.903
EXTREME SPREAD	:	2.644	2.014	1.909
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08587730

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 8

HS= 3.265

VS= 2.508

GS= 4.088

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.659	.614	.436
MINIMUM X	:	-1.606	-1.422	-.699
MAXIMUM Y	:	.671	.467	.518
MINIMUM Y	:	-1.837	-.675	-.624
CENTROID X	:	.018	-.166	.011
CENTROID Y	:	.095	.299	.248
POA TO CENTROID in.	:	.097	.342	.249
MIN RADIUS	:	.229	.173	.109
MEAN RADIUS	:	.847	.659	.499
MAX RADIUS	:	2.475	1.479	.869
HORIZONTAL SPREAD	:	3.265	2.036	1.135
VERTICAL SPREAD	:	2.508	1.142	1.142
EXTREME SPREAD	:	4.088	2.160	1.498
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

14 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06587730

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS= 1.830

VS= 2.524

GS= 2.787

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.896	.973	.913
MINIMUM X	:	-.934	-.857	-.917
MAXIMUM Y	:	1.199	1.051	.885
MINIMUM Y	:	-1.325	-1.328	-.616
CENTROID X	:	.127	.050	.110
CENTROID Y	:	.088	.236	.401
POA TO CENTROID in.	:	.154	.241	.416
MIN RADIUS	:	.375	.539	.426
MEAN RADIUS	:	.938	.865	.771
MAX RADIUS	:	1.493	1.411	1.007
HORIZONTAL SPREAD	:	1.830	1.830	1.830
VERTICAL SPREAD	:	2.524	2.379	1.502
EXTREME SPREAD	:	2.787	2.380	1.901
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587730

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 1.923

VS= 2.787

GS= 2.921

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.996	.996	1.104
MINIMUM X	:	-.927	-.927	-.819
MAXIMUM Y	:	1.582	1.112	.984
MINIMUM Y	:	-1.206	-1.030	-.855
CENTROID X	:	.382	.382	.274
CENTROID Y	:	.038	-.137	-.009
POA TO CENTROID in.:	:	.384	.406	.275
MIN RADIUS	:	.130	.097	.073
MEAN RADIUS	:	.852	.763	.674
MAX RADIUS	:	1.582	1.345	1.185
HORIZONTAL SPREAD	:	1.923	1.923	1.923
VERTICAL SPREAD	:	2.787	2.142	1.839
EXTREME SPREAD	:	2.921	2.415	1.994
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	