

C6348753

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400063188

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

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: RE00141339

Serial: C6438753 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

High Priority

Status:

Closed 2/7/2008 8:33:48 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: HQ US ARMY AIR DEFENSE ARTILLERY CEN

HQ US ARMY AIR DEFENSE ARTILLERY CEN

Address 2: ATTN: ATZCISL -TM BLDG PO Box:

ATTN: ATZCISL -TM BLDG

PO Box:

City: FORT BLISS

FORT BLISS

State: TX

Zip Code: 79916

Country: US

State: TX

Zip Code: 79916

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
A010	Hard Case	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

2/7/2008

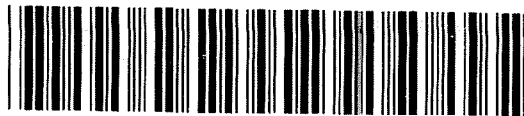
4:16 PM

NUM

Number:

C6348753

Model: M24 SWS



RE00141339

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

R & E NUMBER		00141339	
SERIAL NUMBER		C6438753 C6348753 ^{SD}	
LOG-IN DATE		2-7-08	

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	2-20-08	L.P.D.
505	RE-BARREL	2-20-08	L.P.D.
560	ASSEMBLE	2-20-08	L.P.D.
600	PROOF	2-20-08	TRW
605	CHECK HEADSPACE	2-20-08	TRW
610	DIS-ASSEMBLE GUN	3-12-08	RTZ
612	MAGNAFLUX	3-14-08	und
510	DRILL AND TAP	3-12-08	FM
615	ROLLMARK CALIBER	3-13-08	CW
618	ROTO-BLAST	3-14-08	DG
620	APPLY COATINGS	3-20-08	HP
625	FINAL ASSEMBLY	4-2-08	L.P.D.
640	FUNCTION TEST AND	4-4-08	SD
650	TARGET	4-4-08	SD
	MALFUNCTION <i>Hand under Rail</i>	CORRECTION OK	4-16-08 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	4-4-08 TRW
670	FINAL INSPECTION		
	A) HEADSPACE	PASS FAIL	4-16-08
	B) TRIGGER PULL		
		2.59 260 265 274 265 4-16-08	FR
680	F) SAFETY ON FORCE	5 ⁰ 5 ⁰ 5 ⁰ 4-16-08	RTZ
	G) SAFETY OFF FORCE	2 ⁰ 2 ⁰ 2 ⁰ 4-16-08	RTZ
	I) FIRING PIN INDENT	022 022 022 4-16-08	RTZ
690	PACK		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348753.__0

FILE DATE AND TIME: 04/04/2008 09:49

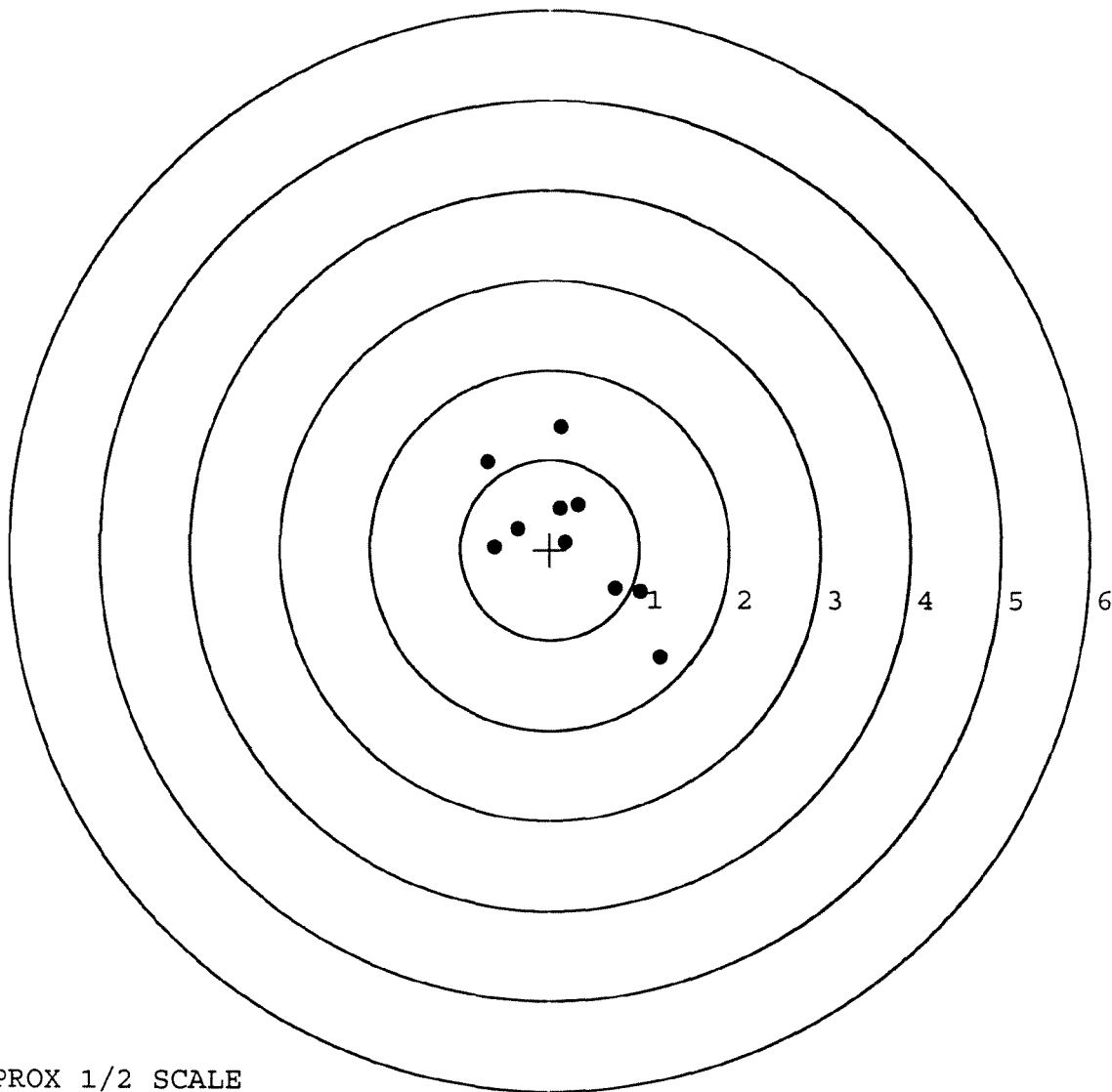
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.063
The Average Y Centroid of the Five Target Set:	-0.195
The Average Point of Impact of the Five Target Set:	0.205
The Average Mean Radius of the Five Target Set:	0.834
The Distance from POA to Centroid Target #1:	0.255
The Distance from Centroid Target #2 to Centroid Target #1:	0.678
The Distance from Centroid Target #3 to Centroid Target #1:	0.536
The Distance from Centroid Target #4 to Centroid Target #1:	0.528
The Distance from Centroid Target #5 to Centroid Target #1:	0.575

SERIAL NUMBER: C6348753. __0
TARGET NUMBER: 1
FILE DATE: 04/04/2008
FILE TIME: 09:49

POINT#	X	Y
1:	0.122	1.361
2:	0.316	0.497
3:	0.118	0.458
4:	0.177	0.080
5:	-0.366	0.229
6:	-0.615	0.031
7:	-0.698	0.978
8:	0.732	-0.433
9:	1.009	-0.469
10:	1.231	-1.187

X CENTROID: 0.203
Y CENTROID: 0.155
POA TO CENTROID: 0.255
HORZ SPREAD: 1.929
VERT SPREAD: 2.548
GROUP SPREAD: 2.900
MIN RADIUS: 0.079
MAX RADIUS: 1.690
MEAN RADIUS: 0.808
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

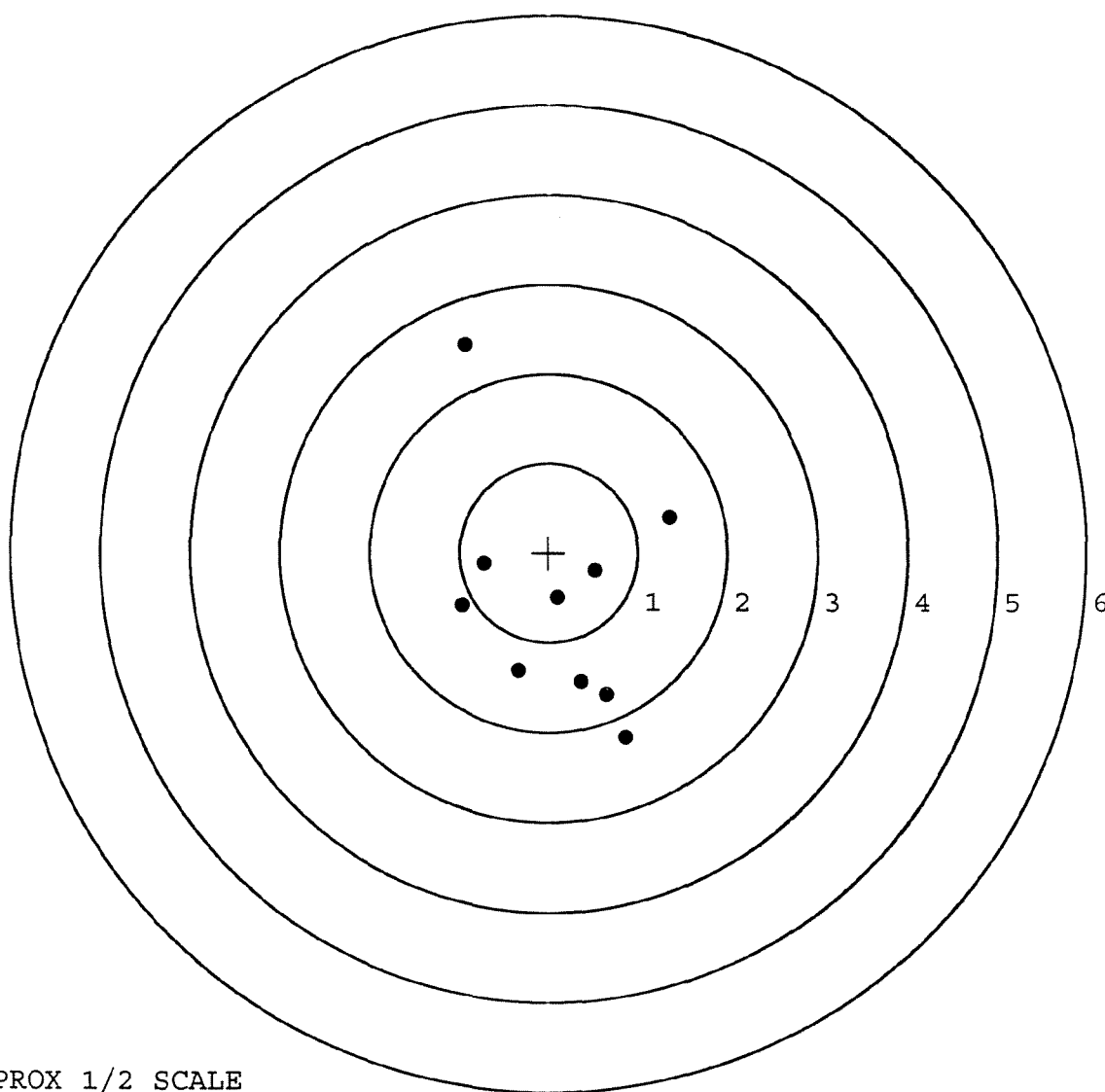


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348753. __0
TARGET NUMBER: 2
FILE DATE: 04/04/2008
FILE TIME: 09:49

POINT#	X	Y
1:	1.348	0.396
2:	0.521	-0.202
3:	0.102	-0.509
4:	-0.724	-0.126
5:	-0.968	-0.595
6:	-0.338	-1.325
7:	0.372	-1.441
8:	0.651	-1.592
9:	0.860	-2.065
10:	-0.937	2.324

X CENTROID: 0.089
Y CENTROID: -0.513
POA TO CENTROID: 0.521
HORZ SPREAD: 2.316
VERT SPREAD: 4.389
GROUP SPREAD: 4.743
MIN RADIUS: 0.014
MAX RADIUS: 3.017
MEAN RADIUS: 1.191
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348753.___0

TARGET NUMBER: 3

FILE DATE: 04/04/2008

FILE TIME: 09:49

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

1:	-0.720	1.298
----	--------	-------

2:	-0.109	0.703
----	--------	-------

3:	-0.142	0.585
----	--------	-------

4:	-0.194	0.382
----	--------	-------

5:	0.255	0.151
----	-------	-------

6:	0.064	-0.375
----	-------	--------

7:	-0.223	-0.790
----	--------	--------

8:	-0.453	-0.921
----	--------	--------

9:	-0.476	-1.225
----	--------	--------

10:	-0.564	-1.035
-----	--------	--------

X CENTROID: -0.256

Y CENTROID: -0.123

POA TO CENTROID: 0.284

HORZ SPREAD: 0.975

VERT SPREAD: 2.523

GROUP SPREAD: 2.535

MIN RADIUS: 0.408

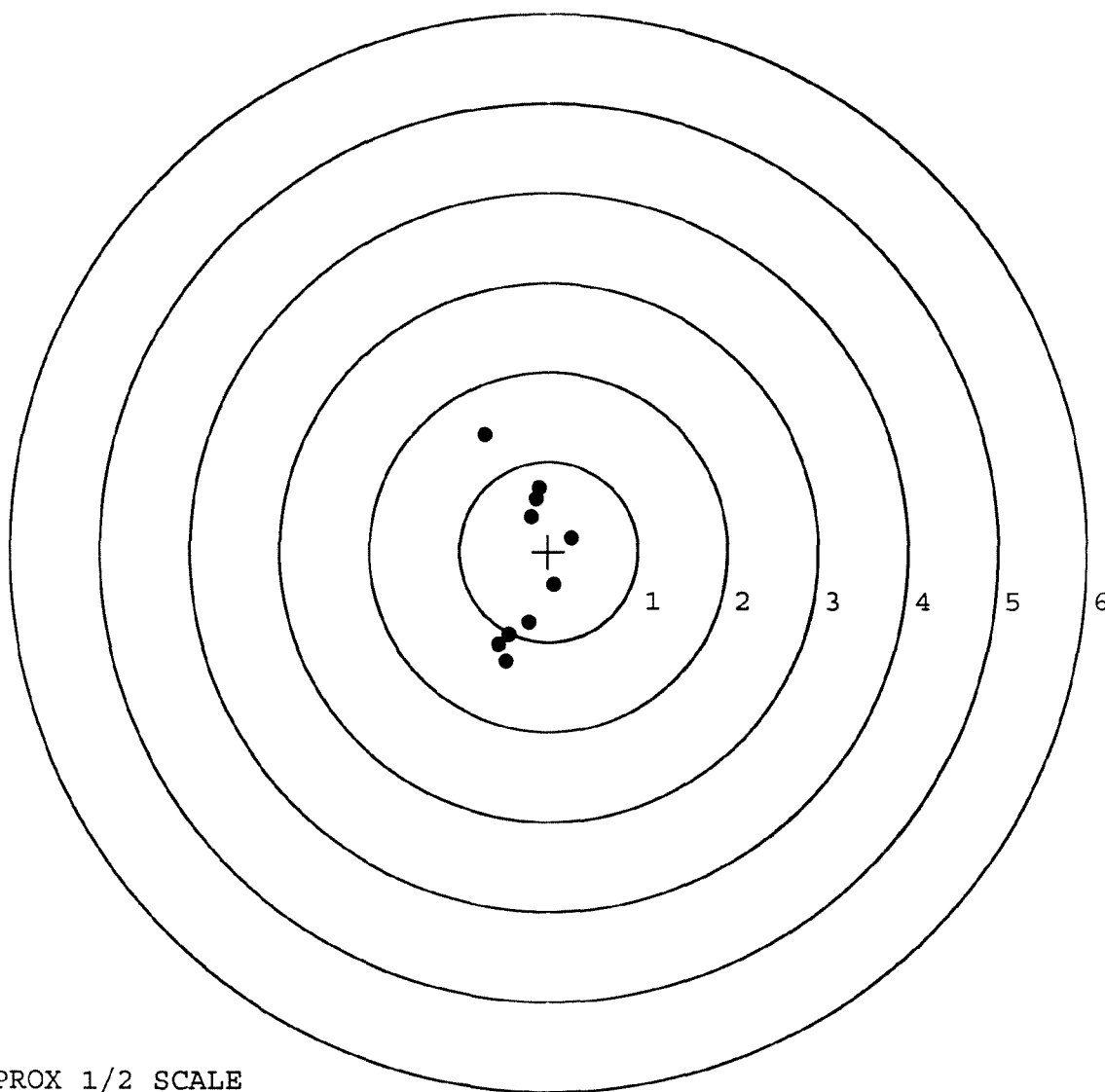
MAX RADIUS: 1.494

MEAN RADIUS: 0.812

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348753. __0

TARGET NUMBER: 4

FILE DATE: 04/04/2008

FILE TIME: 09:49

POINT#	X	Y
1:	-0.015	0.222
2:	-0.408	0.270
3:	-0.677	-0.102
4:	-0.716	-0.378
5:	-1.233	-1.199
6:	-0.197	-0.755
7:	0.266	-0.085
8:	0.448	-0.273
9:	0.412	-0.884
10:	0.441	0.965

X CENTROID: -0.168

Y CENTROID: -0.222

POA TO CENTROID: 0.278

HORZ SPREAD: 1.681

VERT SPREAD: 2.164

GROUP SPREAD: 2.736

MIN RADIUS: 0.455

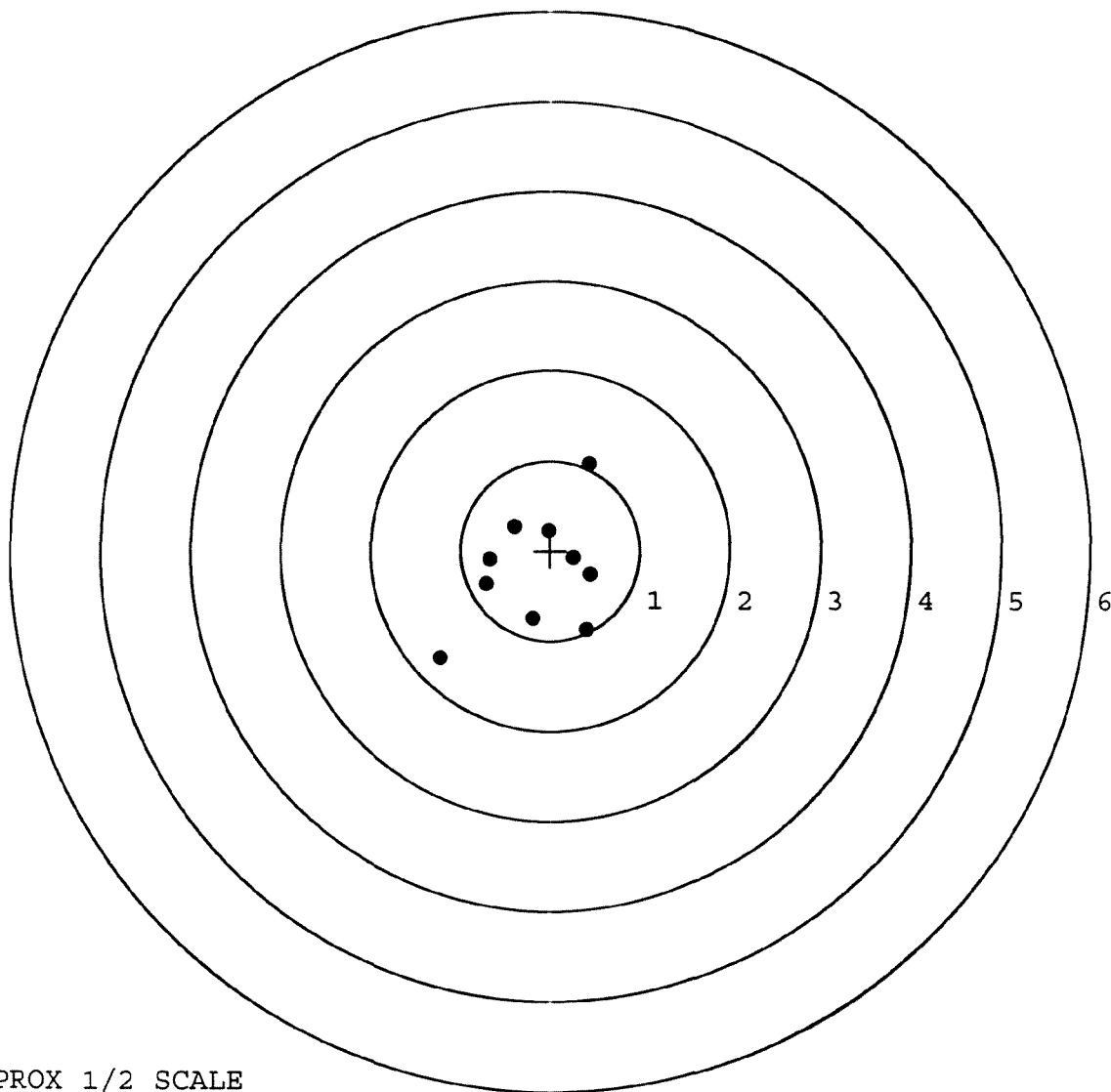
MAX RADIUS: 1.445

MEAN RADIUS: 0.738

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348753. __0

TARGET NUMBER: 5

FILE DATE: 04/04/2008

FILE TIME: 09:49

POINT#	X	Y
1:	-0.485	0.764
2:	-0.264	0.348
3:	-0.734	0.213
4:	-0.615	-0.238
5:	-0.198	-0.089
6:	-0.244	-0.335
7:	0.374	-0.280
8:	0.051	-0.623
9:	0.225	-0.895
10:	0.072	-1.602

X CENTROID: -0.182

Y CENTROID: -0.274

POA TO CENTROID: 0.329

HORZ SPREAD: 1.108

VERT SPREAD: 2.366

GROUP SPREAD: 2.431

MIN RADIUS: 0.087

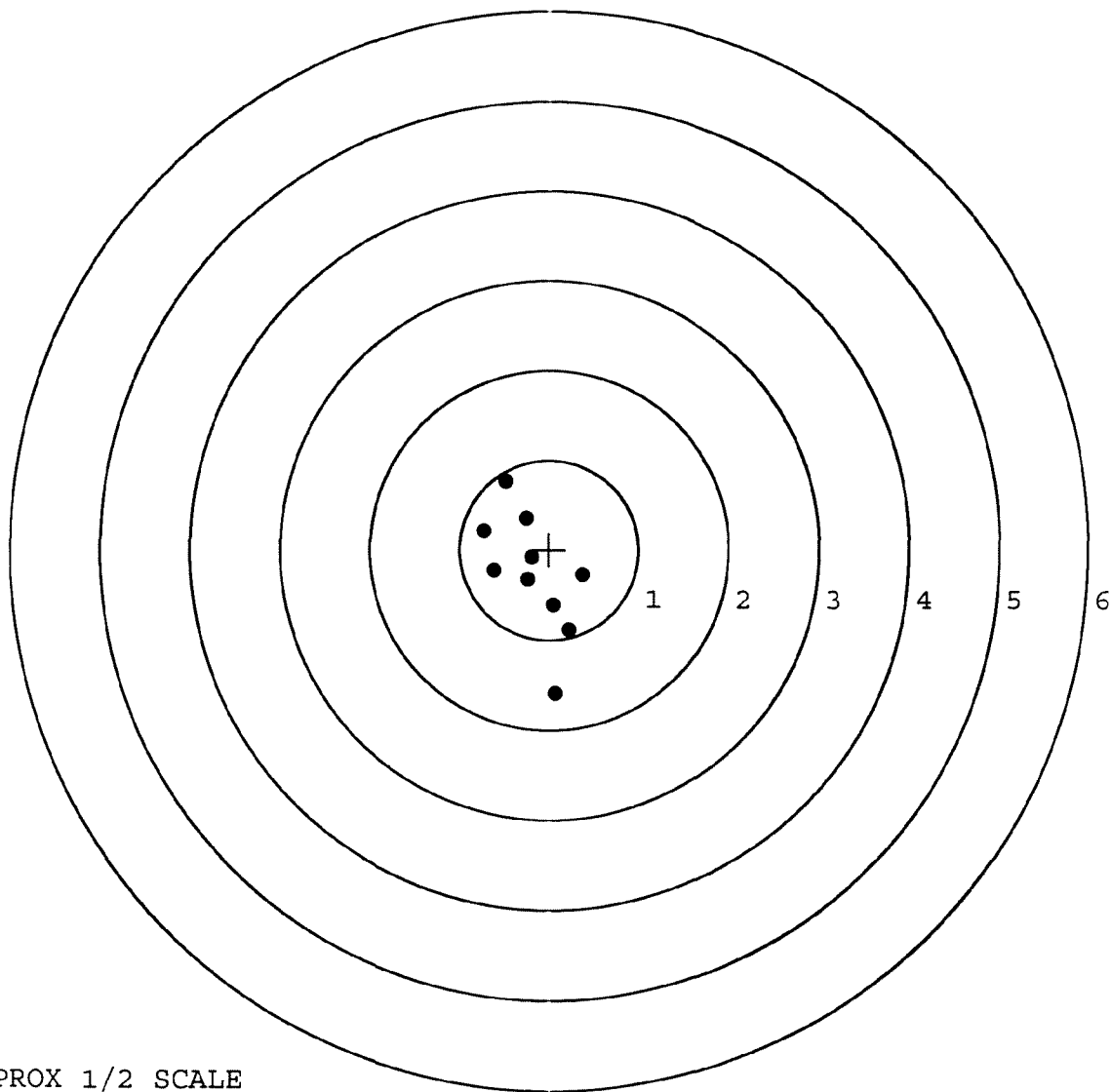
MAX RADIUS: 1.352

MEAN RADIUS: 0.622

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

CONTRACT # DAAA21-87-C-0086

500AF
0178

GUN SERIAL # C6348753

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 30	89	DW
600	Proof	8 30	89	DW
607	Check Headspace	8 30	89	DW
610	Dis-assemble Gun	8 30	89	DW
612	Magnaflux Barrel Action		8/31/89	KCR
	Magnaflux Bolt		8/31/89	KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	9 1	89	YB
618	Polish Barrel <i>RVB</i>	9 1	89	BT
620	Apply Coatings (Barrel Action)		9-7-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/26/89	QIS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			10/2/89	JH
	G) Safety Off Force	4	4	4			10/2/89	JH
	H) Trigger Pull Test & Retainability						3/18/89	JH
	I) Firing Pin Indent	.0215	.021	.022			10/2/89	JH
	J) Assemble Stock						10/2/89	RW
	K) Assemble Swivel Studs						4/6/89	JH
	L) Attach Front and Rear Sight Assemblies						10/2/89	RW
	M) Iron Sight Alignment						10/2/89	RW
	N) Detach Front & Rear Sights & place in numbered container						10/2/89	RW
	O) Attach Scope to Rifle						10/3/89	JH
	P) Detach & Attach Scope 20 Times						10/3/89	JH
640	Gallery Target & Test						10-3-89	DH
	A) Time						10-3-89	DH
	B) Malfunctions						10-3-89	DH
	C) Pierced Primers						10-3-89	DH
	D) Optical Clarity of Scope						10-3-89	DH
645	Inspect for Live Ammo						10-3-89	DH
655	Final Inspection							
	A) Headspace						4/6/89	JH
	B) Trigger Pull	232	230	228	227	218	4/6/89	JH
	C) Function						4/6/89	JH
660	Pack						14 Dec 89	JH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6348753

DATE 3-13-90

TESTER JRL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.40	2.62	2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.44	2.55	
PULL #3	2.44	2.60	2.33	
PULL #4	2.56	2.54	2.44	
PULL #5	2.50	2.59	2.52	
TOTAL	12.34	12.79	12.54	
AVG.	2.468	2.558	2.508	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.27	3.53	
PULL #2	3.25	3.48	
PULL #3	3.38	3.52	
PULL #4	3.36	3.42	
PULL #5	3.50	3.40	
TOTAL	16.76	17.35	
AVG.	3.352	3.47	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.48		
PULL #2	4.37	4.51		
PULL #3	4.54	4.48		
PULL #4	4.53	4.35		
PULL #5	4.24	4.42		
TOTAL	22.01	22.24		
AVG.	4.402	4.448		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348753
3 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.682374
1 TO	2	.400792
1 TO	3	1.038
1 TO	4	.728097
1 TO	5	1.27064

s_3
 $4t_2$
1 <----POA

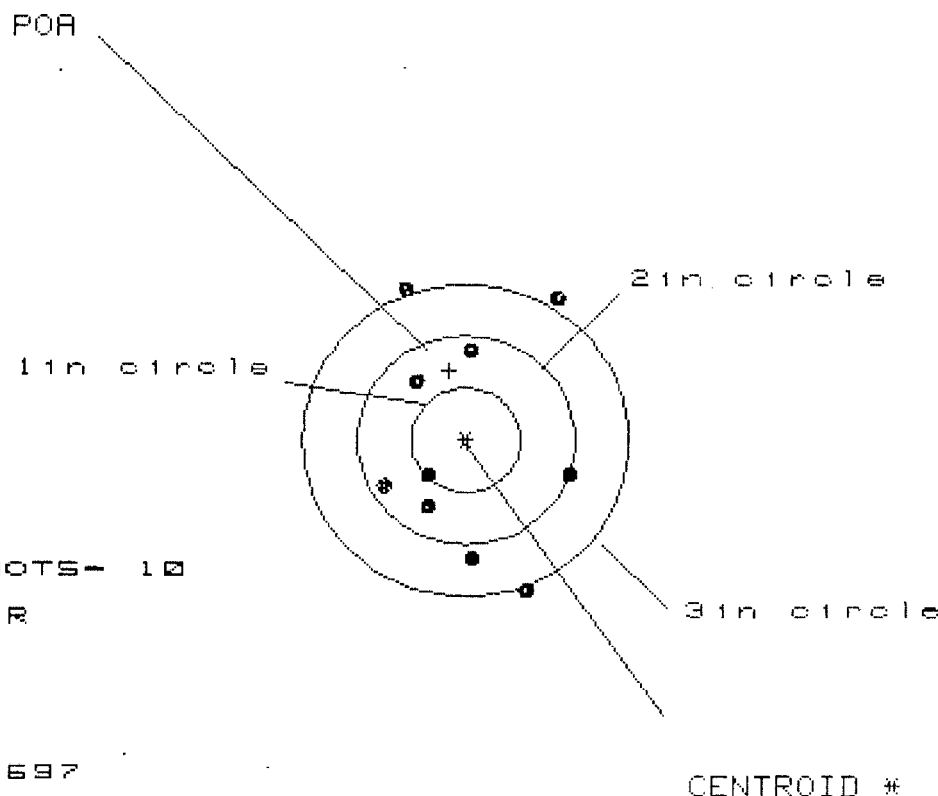
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0408
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0028
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .040896

THE AMR FOR THIS RIFLE IS: .975

3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348753

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 1.697

VS= 2.915

GS= 3.111

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.948	1.041	1.124
MINIMUM X	:	-.749	-.656	-.573
MAXIMUM Y	:	1.434	1.588	1.422
MINIMUM Y	:	-1.481	-1.327	-1.152
CENTROID X	:	.153	.060	-.023
CENTROID Y	:	-.665	-.819	-.653
POA TO CENTROID in.	:	.683	.821	.653
MIN RADIUS	:	.470	.304	.368
MEAN RADIUS	:	1.051	.952	.881
MAX RADIUS	:	1.616	1.642	1.461
HORIZONTAL SPREAD	:	1.697	1.697	1.697
VERTICAL SPREAD	:	2.915	2.915	2.574
EXTREME SPREAD	:	3.111	3.111	2.626
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346753

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.907

VS= 1.802

GS= 2.436

PATTERN #

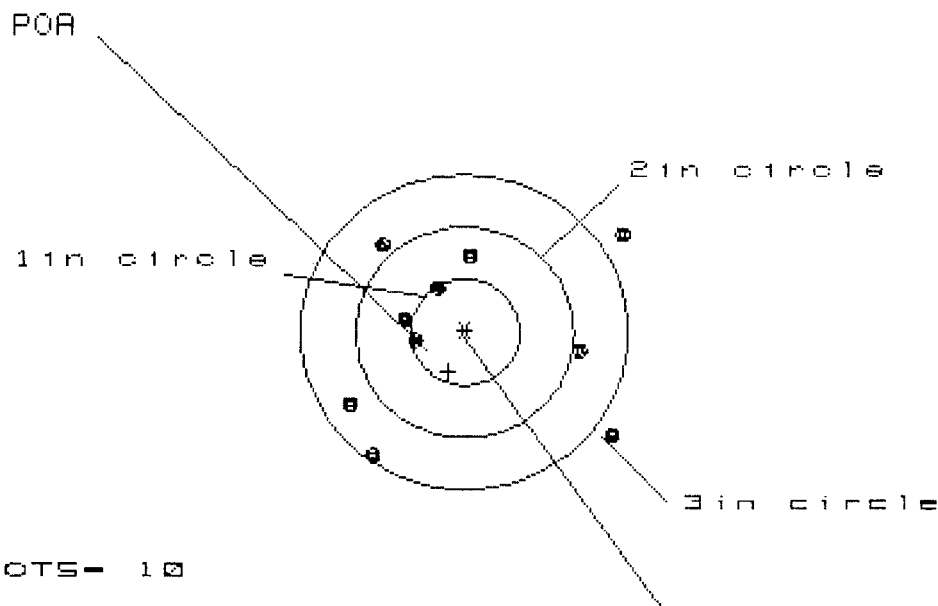
2

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.951	1.040	1.169
MINIMUM X	:	-.956	-.867	-.738
MAXIMUM Y	:	.993	.972	.884
MINIMUM Y	:	-.809	-.698	-.448
CENTROID X	:	.208	.119	-.010
CENTROID Y	:	-.268	-.379	-.291
POA TO CENTROID in.	:	.339	.397	.292
MIN RADIUS	:	.384	.245	.247
MEAN RADIUS	:	.836	.757	.703
MAX RADIUS	:	1.275	1.245	1.172
HORIZONTAL SPREAD	:	1.907	1.907	1.907
VERTICAL SPREAD	:	1.802	1.670	1.332
EXTREME SPREAD	:	2.436	2.436	2.028
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348753

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 1

2in = 4

3in = 8

HS = 2.502

VS = 2.096

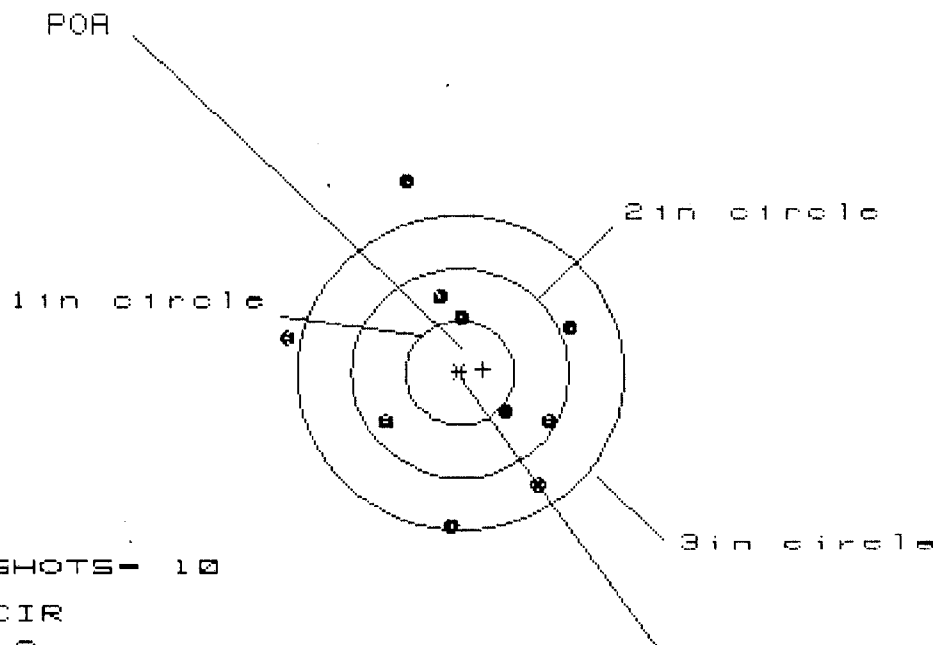
GS = 3.176

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.492	1.516	1.356
MINIMUM X	:	-1.010	-.844	-.654
MAXIMUM Y	:	.901	.923	.810
MINIMUM Y	:	-1.195	-1.095	-1.208
CENTROID X	:	.151	-.015	-.205
CENTROID Y	:	.373	.273	.386
POA TO CENTROID in.	:	.403	.274	.437
MIN RADIUS	:	.411	.239	.104
MEAN RADIUS	:	1.055	.948	.776
MAX RADIUS	:	1.743	1.765	1.371
HORIZONTAL SPREAD	:	2.502	2.360	2.010
VERTICAL SPREAD	:	2.096	2.018	2.010
EXTREME SPREAD	:	3.176	2.804	2.124
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		

3 Oct 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C6348753

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 2.564

VS= 3.262

GS= 3.289

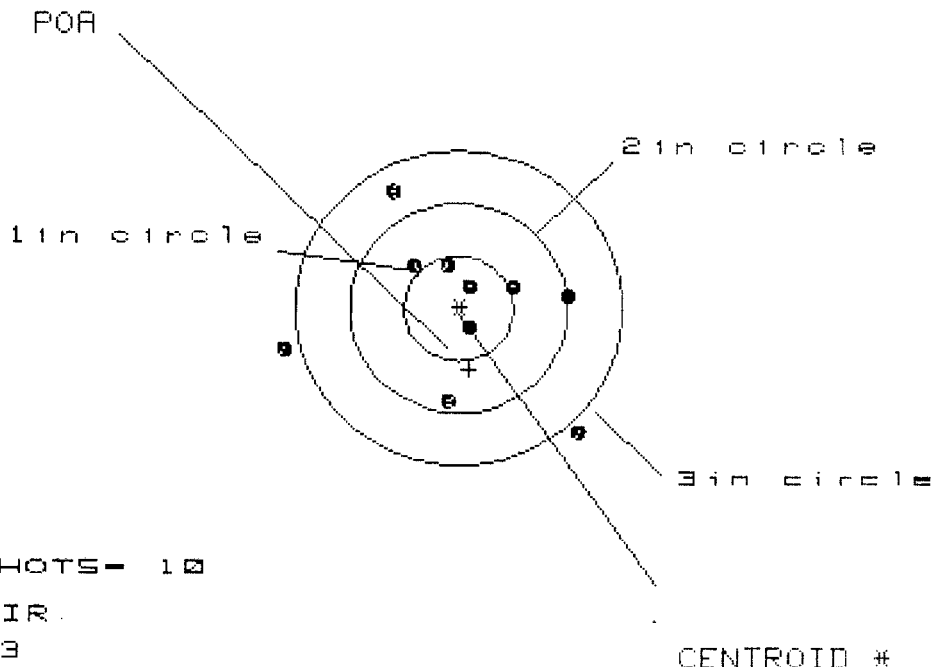
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.987	.934	.730
MINIMUM X	:	-1.577	-1.630	-.921
MAXIMUM Y	:	1.796	.899	.962
MINIMUM Y	:	-1.466	-1.267	-1.204
CENTROID X	:	-.212	-.159	.045
CENTROID Y	:	-.035	-.235	-.298
POA TO CENTROID in.	:	.215	.283	.301
MIN RADIUS	:	.553	.391	.186
MEAN RADIUS	:	1.086	.982	.849
MAX RADIUS	:	1.858	1.706	1.245
HORIZONTAL SPREAD	:	2.564	2.564	1.651
VERTICAL SPREAD	:	3.262	2.166	2.166
EXTREME SPREAD	:	3.289	2.667	2.171
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6346753

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR.

1in = 3

2in = 7

3in = 8

HS= 2.755

VS= 2.241

GS= 2.869

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.114	.932	.928
MINIMUM X	-1.641	-.772	-.656
MAXIMUM Y	1.100	1.062	.914
MINIMUM Y	-1.141	-1.179	-1.058
CENTROID X	-.096	.086	-.030
CENTROID Y	.581	.619	.767
POA TO CENTROID in.	.589	.625	.767
MIN RADIUS	.188	.206	.046
MEAN RADIUS	.847	.734	.605
MAX RADIUS	1.676	1.503	1.125
HORIZONTAL SPREAD	2.755	1.704	1.584
VERTICAL SPREAD	2.241	2.241	1.973
EXTREME SPREAD	2.869	2.815	2.015
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	



MODEL 700™ H24

SERIAL NO.
C6348753

ORDER NO.
5716

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

01



5716 C6348753

LPC



0 47700 25716 7