

C6225151

MODEL 700™ M24

Model **SMS**™

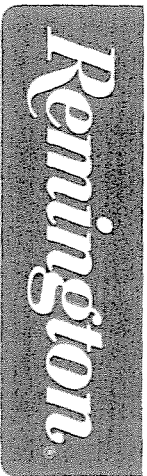
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington[®]



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

MODEL 700TM H24

01

SERIAL NO.

C6225151

ORDER NO.

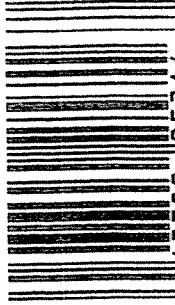
5716

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



5716 C6225151

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225151

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12 89		RW
600	Proof	4 12 89		RW
607	Check Headspace	4 12 89		RW
610	Dis-assemble Gun	4 12 89		RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4-14-89	JSB
617	Drill and Tap Sight Holes	4 14 89		JSB
618	Polish Barrel <i>IPB</i>	4 14 89		BT
620	Apply Coatings (Barrel Action)		4-20-89	JSB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/24/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/24/89	RW
	C) Inspect Ejector Hole for Chamfer		4/24/89	RW
	D) Oil Firing Pin Ass'y		4/24/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/26/89	JSB

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	7	7	7	4/26/89	94		
	G) Safety Off Force	3	3	3	4/26/89	94		
	H) Trigger Pull Test & Retainability				4/26/89	LS		
	I) Firing Pin Indent	.020	.020	.022	4/26/89	94		
	J) Assemble Stock				4/27/89	RU		
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies				4/27/89	RU		
	M) Iron Sight Alignment				4/27/89	RU		
	N) Detach Front & Rear Sights & place in numbered container				4/27/89	RU		
	O) Attach Scope to Rifle				4/27/89	94		
	P) Detach & Attach Scope 20 Times				4/27/89	94		
640	Gallery Target & Test	50 R	102 L	4/28/89	DA			
	A) Time			4/28/89	DA			
	B) Malfunctions			4/28/89	DA			
	C) Pierced Primers			4/28/89	DA			
	D) Optical Clarity of Scope			4/28/89	DA			
645	Inspect for Live Ammo			4/28/89	DA			
655	Final Inspection							
	A) Headspace				20 June 89	95		
	B) Trigger Pull	233	260	262	254	249	20 June 89	95
	C) Function						20 June 89	95
660	Pack						20 June 89	95

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6225151

DATE 24 April 89

TESTER 928

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.29	2.08	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.64	2.07	2.60	
PULL #3	2.21	2.68	2.26	2.62	
PULL #4	2.16	2.35	2.17	2.54	
PULL #5	2.16	2.51	2.39	2.49	
TOTAL	11.12	12.67	10.97		
AVG.	2.224	2.534	2.194		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	2.69		
PULL #2	3.11	2.84		
PULL #3	3.43	2.97		
PULL #4	3.57	2.78		
PULL #5	3.39	2.86		
TOTAL	16.73	14.08		
AVG.	3.346	2.816		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.00	4.09		4.50
PULL #2	4.15	4.00		4.34
PULL #3	3.97	4.25		4.76
PULL #4	4.30	4.19		4.58
PULL #5	4.02	4.21		4.37
TOTAL	20.44	20.74		22.55
AVG.	4.088	4.148		4.51

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225151
1 May 1989

CENTROIDAL DISTANCES

0 TO	1	.602798
1 TO	2	.478845
1 TO	3	.516144
1 TO	4	.194743
1 TO	5	.475079

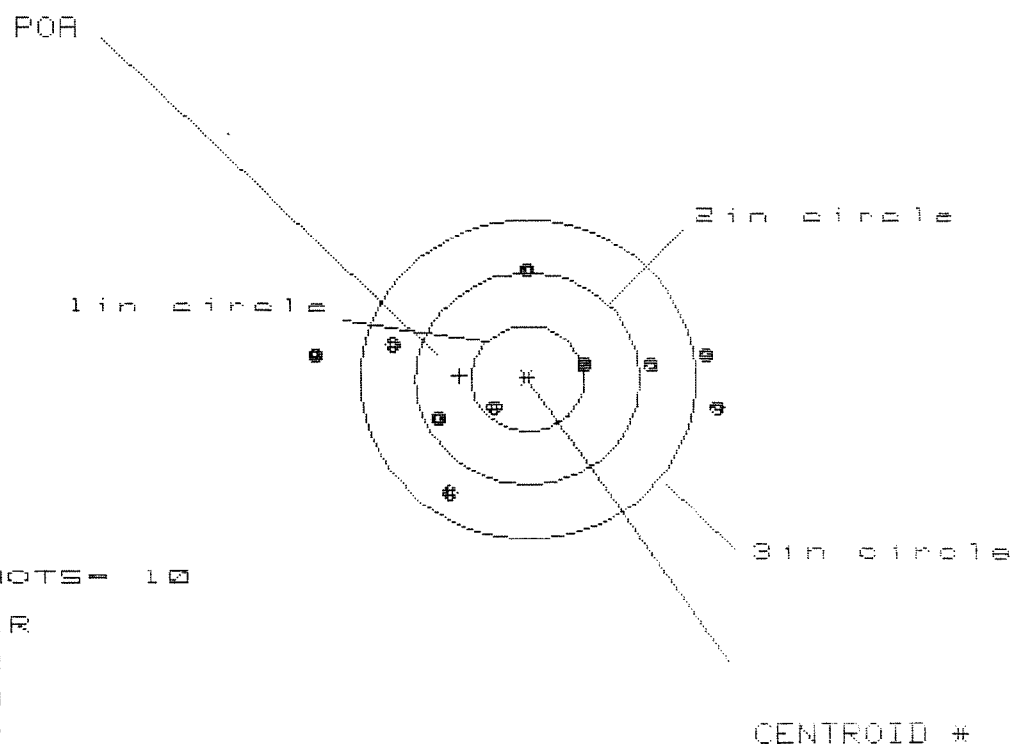
$\bar{x}$
#41 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .372
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1624
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .405904
THE AMR FOR THIS RIFLE IS: 1.02

28 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225151

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 7

HS= 3.600

VS= 2.083

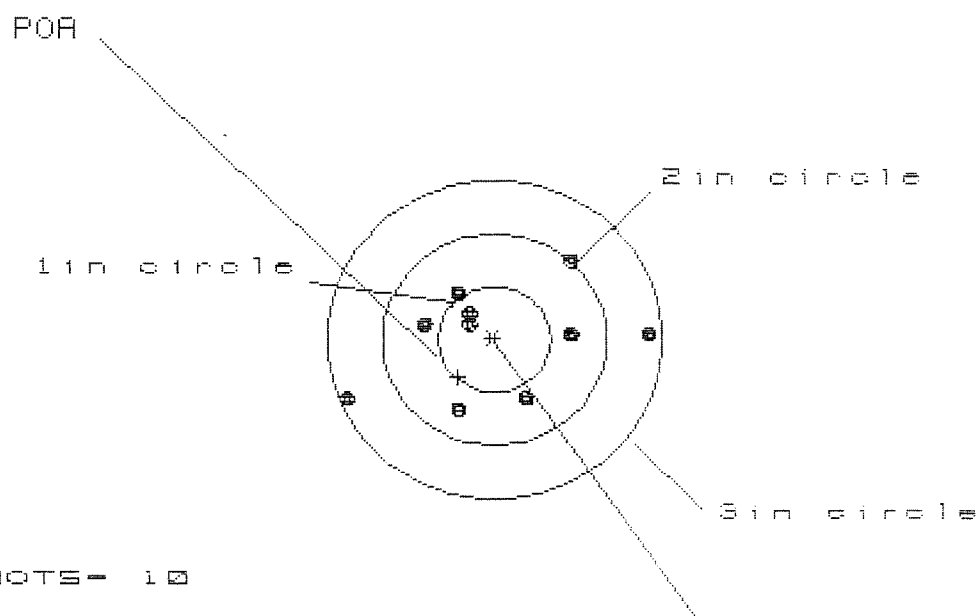
GS= 3.633

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.746	1.540	1.617
MINIMUM X	:	-1.854	-1.457	-1.265
MAXIMUM Y	:	1.030	1.053	1.020
MINIMUM Y	:	-1.053	-1.030	-1.063
CENTROID X	:	.602	.808	.616
CENTROID Y	:	-.031	-.054	-.021
POA TO CENTROID in.	:	.603	.810	.616
MIN RADIUS	:	.437	.316	.454
MEAN RADIUS	:	1.176	1.089	1.016
MAX RADIUS	:	1.865	1.562	1.628
HORIZONTAL SPREAD	:	3.600	2.997	2.882
VERTICAL SPREAD	:	2.083	2.083	2.083
EXTREME SPREAD	:	3.633	3.053	2.884
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			3	
NUMBER IN THREE INCH CIRCLE =			7	

26 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225151

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 2.657

VS= 1.344

GS= 2.711

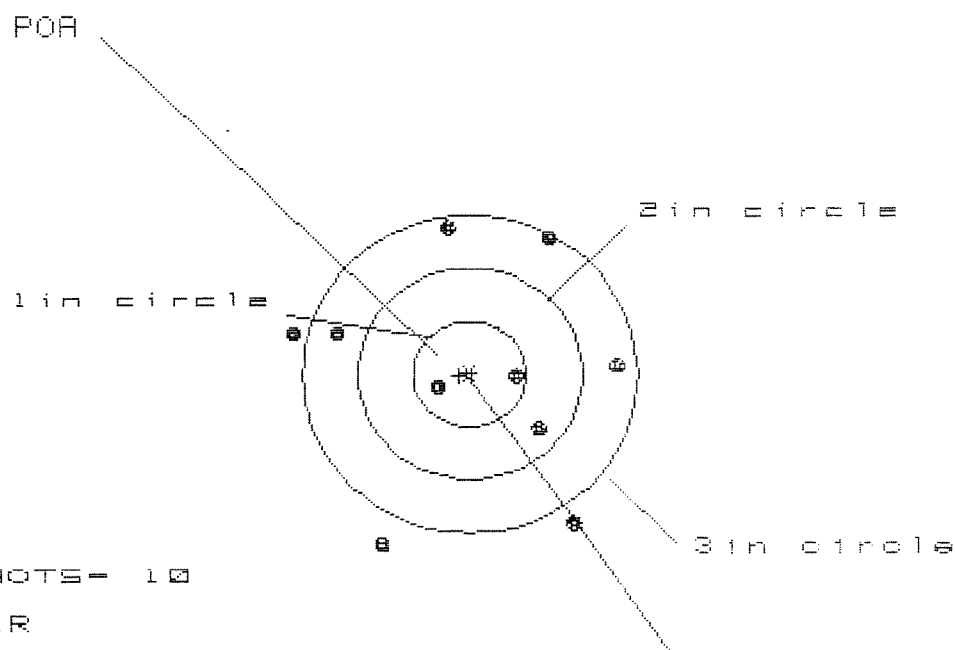
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.354	1.209	.734
MINIMUM X	:	-1.303	-.799	-.647
MAXIMUM Y	:	.697	.637	.630
MINIMUM Y	:	-.647	-.707	-.714
CENTROID X	:	.320	.465	.313
CENTROID Y	:	.356	.416	.423
POA TO CENTROID in.	:	.479	.623	.526
MIN RADIUS	:	.296	.409	.262
MEAN RADIUS	:	.771	.708	.609
MAX RADIUS	:	1.409	1.211	.955
HORIZONTAL SPREAD	:	2.657	2.008	1.381
VERTICAL SPREAD	:	1.344	1.344	1.344
EXTREME SPREAD	:	2.711	2.011	1.678
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225151

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 7

HS= 2.924

VS= 2.966

GS= 3.177

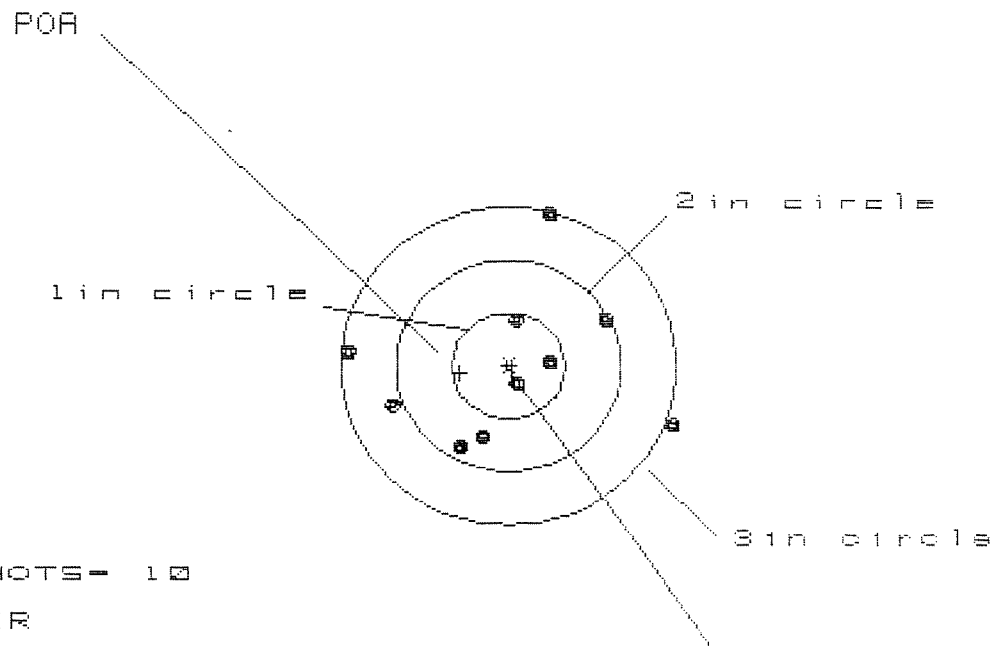
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.354	1.271	1.378
MINIMUM X	:	-1.570	-1.653	-1.546
MAXIMUM Y	:	1.391	1.216	1.023
MINIMUM Y	:	-1.575	-1.541	-1.859
CENTROID X	:	.088	.171	.064
CENTROID Y	:	.016	.191	.384
POA TO CENTROID in.	:	.090	.257	.389
MIN RADIUS	:	.335	.391	.570
MEAN RADIUS	:	1.196	1.129	1.057
MAX RADIUS	:	1.743	1.762	1.547
HORIZONTAL SPREAD	:	2.924	2.924	2.924
VERTICAL SPREAD	:	2.966	2.757	1.882
EXTREME SPREAD	:	3.177	3.060	2.937
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			3	
NUMBER IN THREE INCH CIRCLE =			7	

28 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225151

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.961

VS= 2.226

GS= 3.047

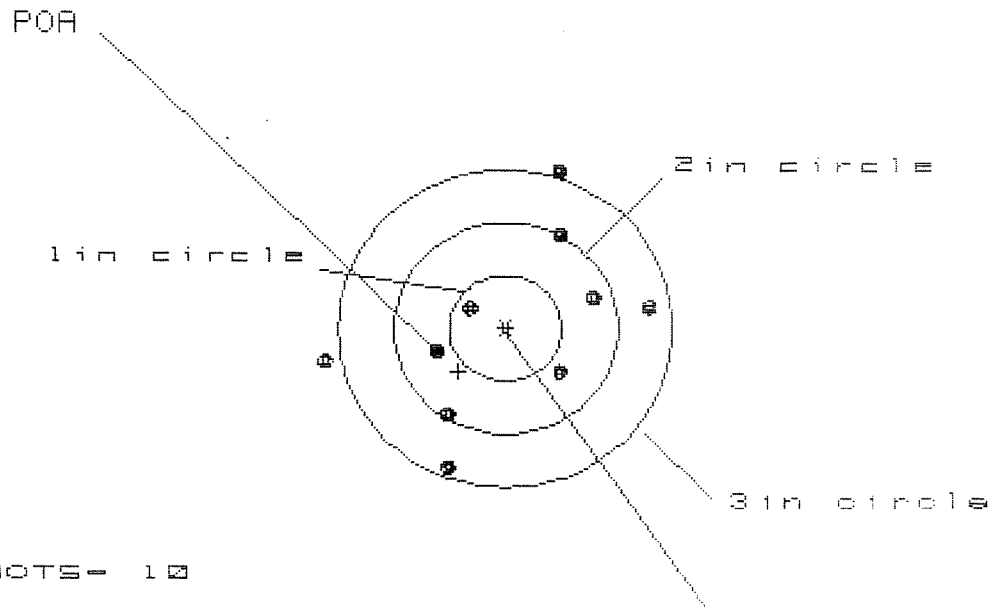
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.502	1.009	1.075
MINIMUM X	:	-1.459	-1.293	-1.227
MAXIMUM Y	:	1.449	1.390	.600
MINIMUM Y	:	-.777	-.836	-.662
CENTROID X	:	.432	.266	.200
CENTROID Y	:	.064	.123	-.051
POA TO CENTROID in.	:	.437	.293	.207
MIN RADIUS	:	.171	.304	.272
MEAN RADIUS	:	.910	.850	.749
MAX RADIUS	:	1.594	1.484	1.263
HORIZONTAL SPREAD	:	2.961	2.302	2.302
VERTICAL SPREAD	:	2.226	2.226	1.262
EXTREME SPREAD	:	3.047	2.361	2.322
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225151

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.925

VS = 2.771

GS = 2.967

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.329	1.152	1.194
MINIMUM X	:	-1.596	-.797	-.755
MAXIMUM Y	:	1.459	1.428	1.063
MINIMUM Y	:	-1.312	-1.343	-1.165
CENTROID X	:	.418	.595	.553
CENTROID Y	:	.407	.438	.260
POA TO CENTROID in.	:	.583	.739	.611
MIN RADIUS	:	.421	.566	.455
MEAN RADIUS	:	1.045	.974	.900
MAX RADIUS	:	1.620	1.493	1.315
HORIZONTAL SPREAD	:	2.925	1.949	1.949
VERTICAL SPREAD	:	2.771	2.771	2.227
EXTREME SPREAD	:	2.967	2.942	2.430
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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: **RE00120079**

Serial: C6225151 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/21/1989

Repairman:

Status:

Closed 11/10/2006 7:41:35 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: **SSG MARTINEZ, PAULA**

SSG MARTINEZ, PAULA

Address 1: **HHC 369 AR**

HHC 369 AR

Address 2:

PO Box:

FT STEWART

PO Box:

City: **FT STEWART**

FT STEWART

State: **GA**

Zip Code: **31313**

Country: **US**

State: **GA**

Zip Code: **31313**

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
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A055	Deployment Kit	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

11/13/2006

7:42 AM

CAPS

NUM

INS

SCRL

start

4 Microsoft Offi...

4 Internet Expl...

VAC-DIS-2006

Arms Services Re...

7:41 AM

Serial Number: **C6225151**

Model: **M24 SWS**



RE00120079

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225151.___0
FILE DATE AND TIME: 12/06/2006 05:45

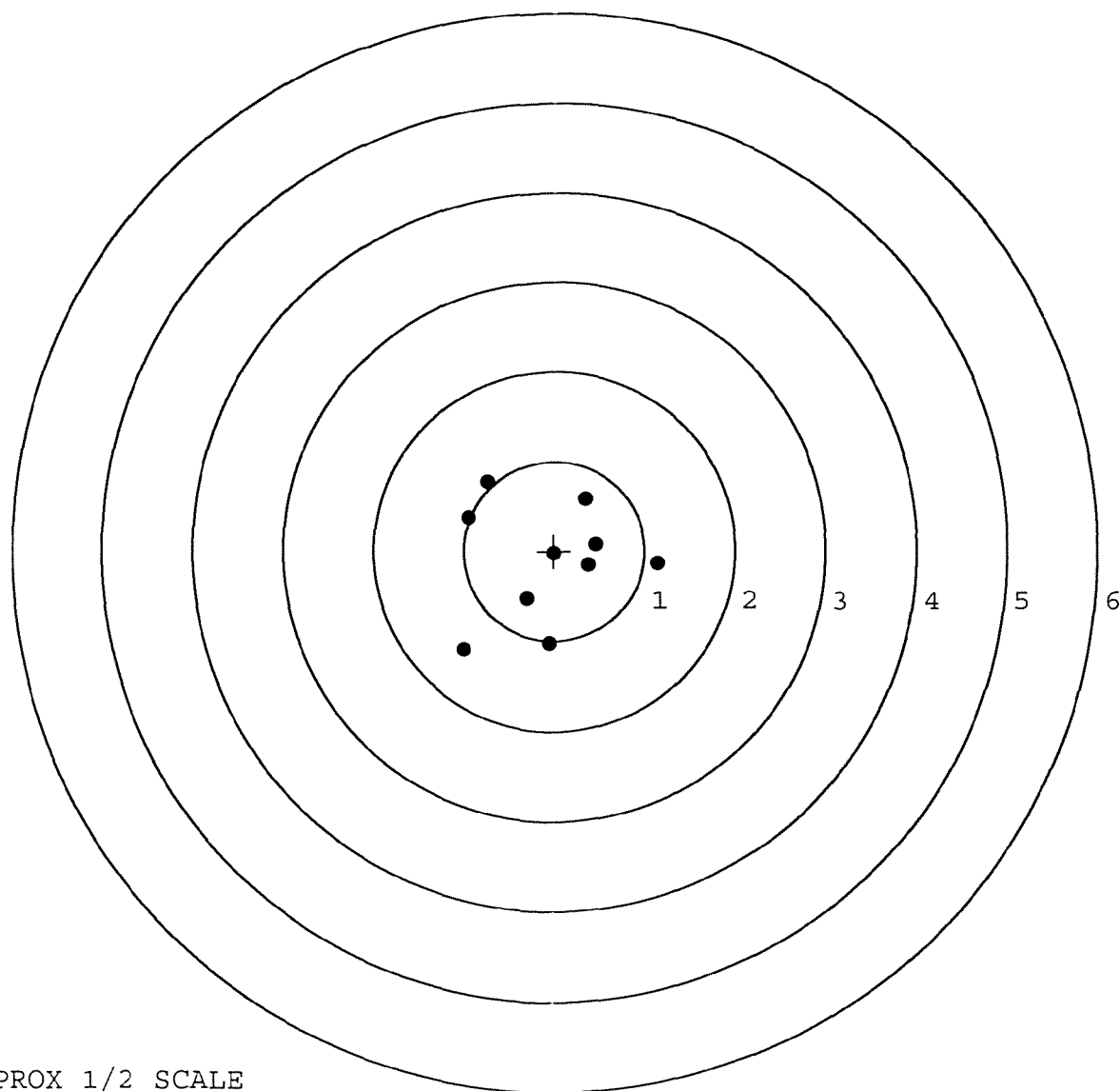
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.031
The Average Y Centroid of the Five Target Set:	-0.074
The Average Point of Impact of the Five Target Set:	0.080
The Average Mean Radius of the Five Target Set:	0.606
The Distance from POA to Centroid Target #1:	0.141
The Distance from Centroid Target #2 to Centroid Target #1:	0.159
The Distance from Centroid Target #3 to Centroid Target #1:	0.322
The Distance from Centroid Target #4 to Centroid Target #1:	0.103
The Distance from Centroid Target #5 to Centroid Target #1:	0.079

SERIAL NUMBER: C6225151. __0
TARGET NUMBER: 1
FILE DATE: 12/06/2006
FILE TIME: 05:45

POINT#	X	Y
1:	1.140	-0.141
2:	0.382	-0.164
3:	0.461	0.068
4:	-0.001	-0.030
5:	0.349	0.577
6:	-0.734	0.768
7:	-0.947	0.372
8:	-0.305	-0.536
9:	-0.052	-1.038
10:	-0.996	-1.100

X CENTROID: -0.070
Y CENTROID: -0.122
POA TO CENTROID: 0.141
HORZ SPREAD: 2.136
VERT SPREAD: 1.868
GROUP SPREAD: 2.341
MIN RADIUS: 0.115
MAX RADIUS: 1.346
MEAN RADIUS: 0.801
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

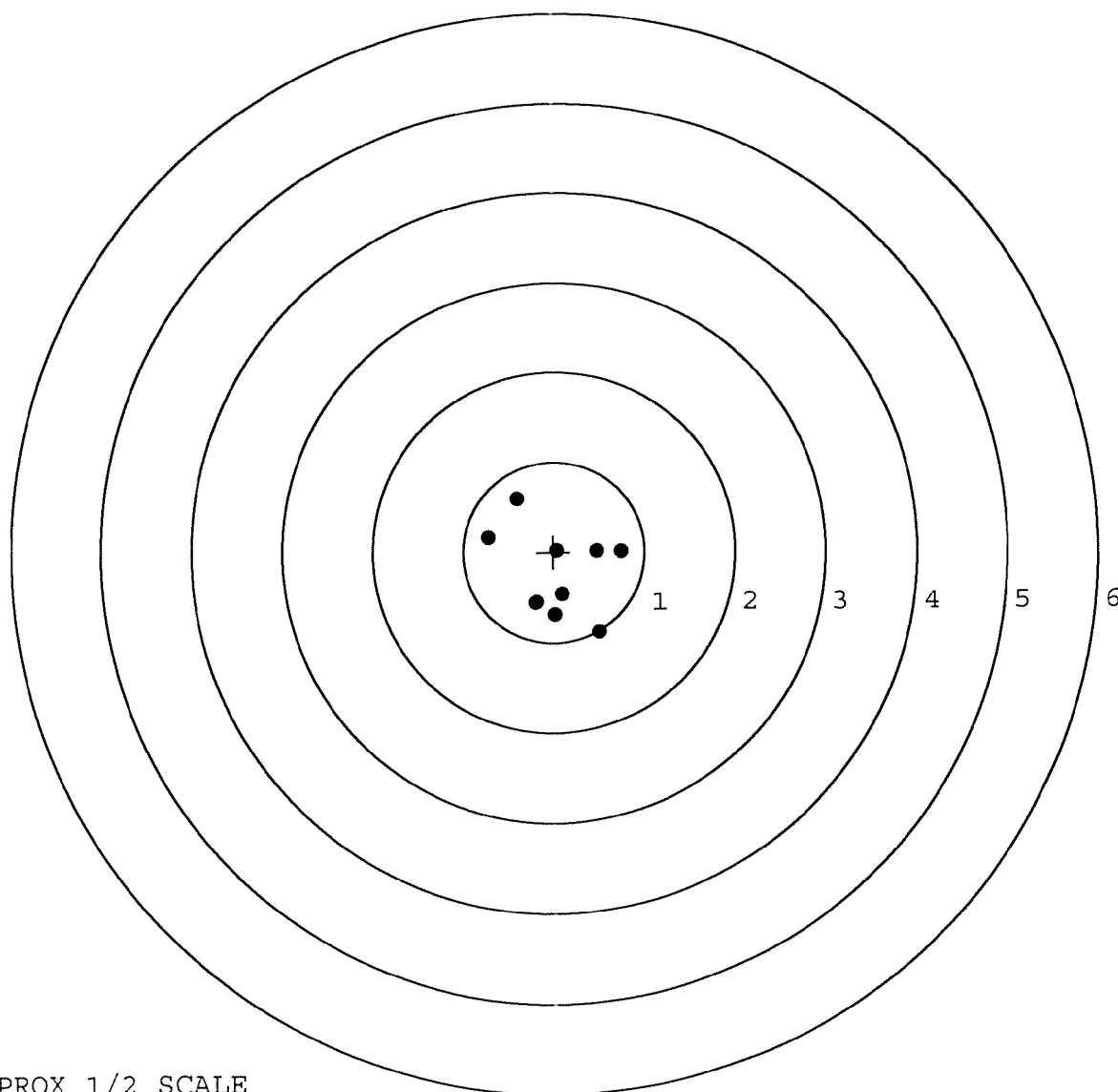


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225151. __0
TARGET NUMBER: 2
FILE DATE: 12/06/2006
FILE TIME: 05:45

X CENTROID: 0.037
Y CENTROID: -0.241
POA TO CENTROID: 0.243
HORZ SPREAD: 1.468
VERT SPREAD: 1.481
GROUP SPREAD: 1.735
MIN RADIUS: 0.240
MAX RADIUS: 0.937
MEAN RADIUS: 0.559
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.401	0.588
2:	-0.722	0.163
3:	0.746	0.002
4:	0.475	0.007
5:	0.503	-0.893
6:	0.040	0.015
7:	0.096	-0.473
8:	0.016	-0.698
9:	-0.200	-0.562
10:	-0.187	-0.554

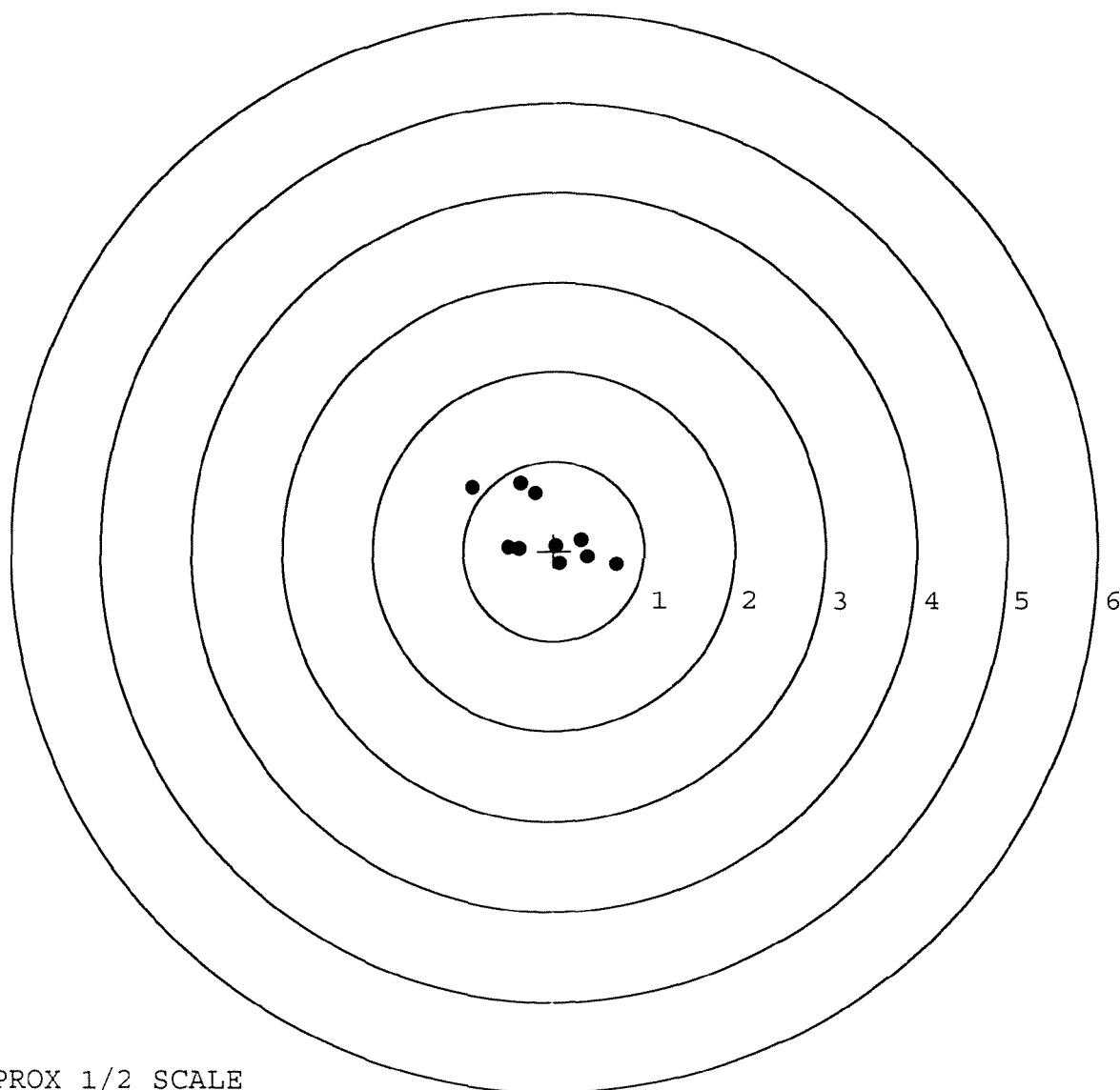


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225151. __0
TARGET NUMBER: 3
FILE DATE: 12/06/2006
FILE TIME: 05:45

POINT#	X	Y
1:	-0.894	0.709
2:	-0.362	0.754
3:	-0.203	0.643
4:	-0.504	0.043
5:	0.694	-0.158
6:	0.370	-0.072
7:	0.305	0.125
8:	0.063	-0.140
9:	0.026	0.054
10:	-0.385	0.033

X CENTROID: -0.089
Y CENTROID: 0.199
POA TO CENTROID: 0.218
HORZ SPREAD: 1.588
VERT SPREAD: 0.912
GROUP SPREAD: 1.809
MIN RADIUS: 0.185
MAX RADIUS: 0.953
MEAN RADIUS: 0.516
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

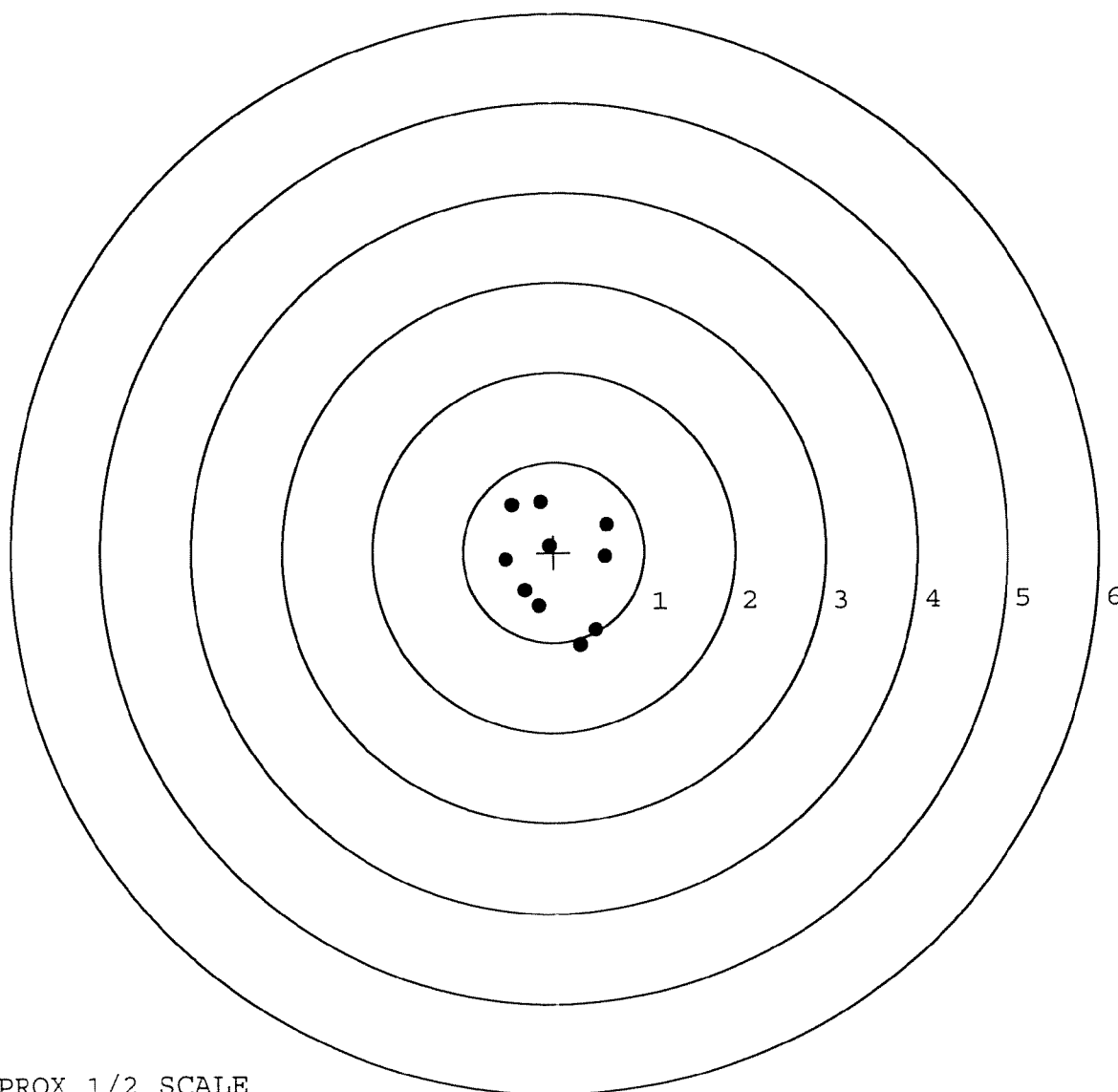


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225151. __0
TARGET NUMBER: 4
FILE DATE: 12/06/2006
FILE TIME: 05:45

X CENTROID: 0.024
Y CENTROID: -0.163
POA TO CENTROID: 0.164
HORZ SPREAD: 1.114
VERT SPREAD: 1.590
GROUP SPREAD: 1.729
MIN RADIUS: 0.242
MAX RADIUS: 0.914
MEAN RADIUS: 0.631
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.293	-1.036
2:	0.459	-0.867
3:	-0.169	-0.600
4:	-0.323	-0.426
5:	-0.528	-0.086
6:	0.566	-0.054
7:	0.586	0.297
8:	-0.047	0.069
9:	-0.141	0.554
10:	-0.456	0.522

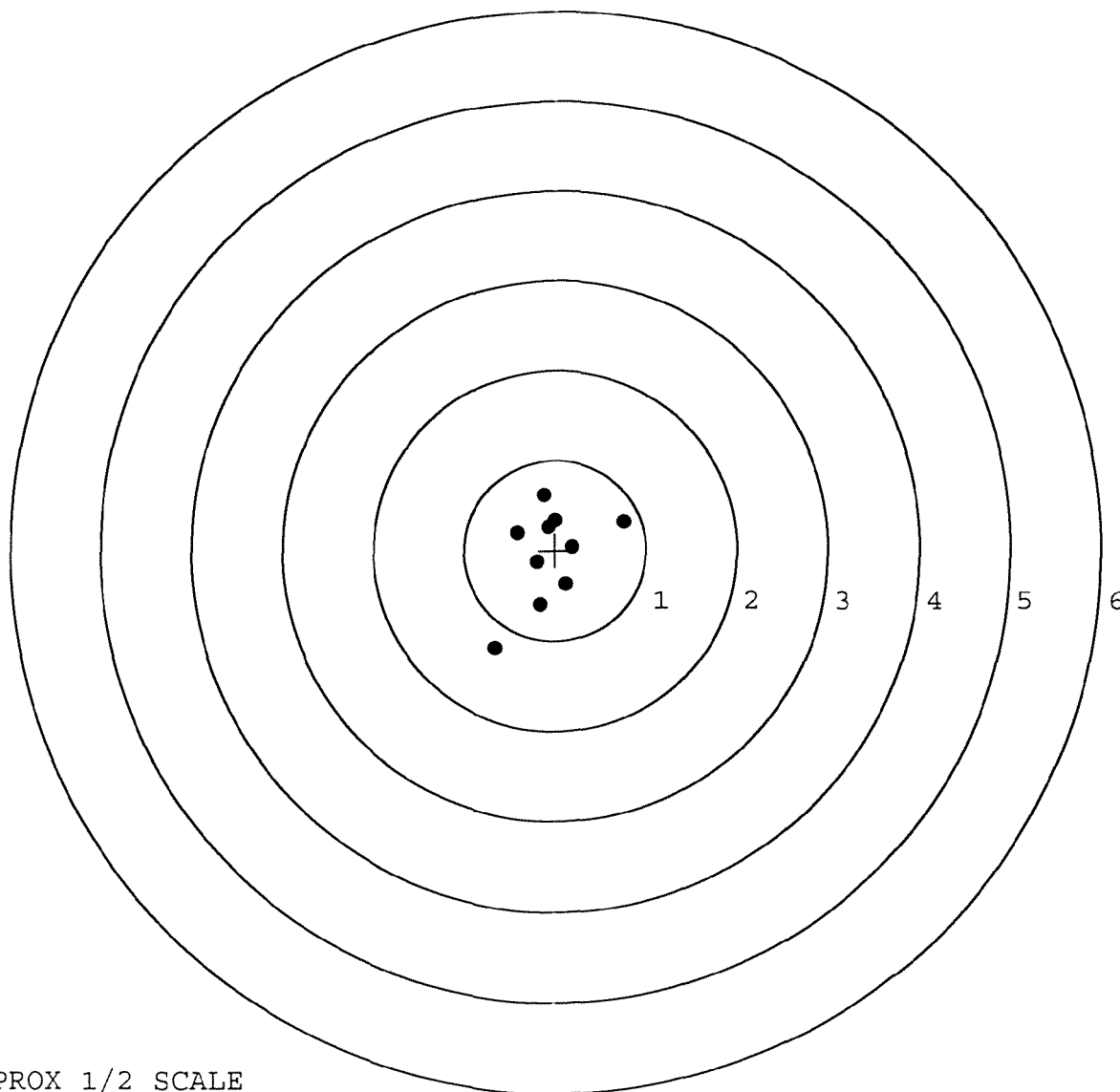


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225151.___0
TARGET NUMBER: 5
FILE DATE: 12/06/2006
FILE TIME: 05:45

POINT#	X	Y
1:	-0.666	-1.081
2:	-0.164	-0.605
3:	0.121	-0.374
4:	0.758	0.318
5:	0.189	0.040
6:	-0.195	-0.132
7:	-0.124	0.609
8:	0.003	0.332
9:	-0.420	0.196
10:	-0.078	0.254

X CENTROID: -0.058
Y CENTROID: -0.044
POA TO CENTROID: 0.073
HORZ SPREAD: 1.424
VERT SPREAD: 1.690
GROUP SPREAD: 1.996
MIN RADIUS: 0.163
MAX RADIUS: 1.202
MEAN RADIUS: 0.524
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

5058

R & E NUMBER	120079		
SERIAL NUMBER	06225151		
LOG-IN DATE	11-10-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	11-27-06	RTZ
505	RE-BARREL	11-28-06	RTZ
420	ASSEMBLE	11-28-06	RTZ
440	PROOF	MAGNA-FLUX INSPECTED NOV 29 2006 11-28-06	TRW
460	CHECK HEADSPACE	11-28-06	TRW
470	DIS-ASSEMBLE GUN	11-28-06	RTZ
480	MAGNAFLUX	OPERATOR <i>Wmms</i> 11-28-06	<i>Wmms</i>
510	DRILL AND TAP		
500	ROLLMARK CALIBER	11-29-06	CW
520	GOFF BLAST BBL / REC		
530 & 540	APPLY COATINGS	12/4/06	TRB
560	FINAL ASSEMBLY	12-5-06	RTZ
640	FUNCTION TEST AND	(PASS) FAIL 12-5-06	TRW
650	TARGET	(PASS) FAIL 12-5-06	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	12-6-06	RTZ
	A) HEADSPACE	(PASS) FAIL 12-6-06	RTZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS <i>2.73 2.73 2.78 2.87 2.81 12606</i>	OA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX <i>50 50 50 12606</i>	OA
	G) SAFETY OFF FORCE	2 LBS MIN <i>2.5 2.5 2.5 12606</i>	OA
	I) FIRING PIN INDENT	.020 <i>1.022 1.021 .022 12606</i>	OA
690	PACK	127-06	OA

F006 REV 5/2006

FINAL INSPECTION CHECKLIST

BARREL ASSEMBLY BARREL RECEIVER FRONT SIGHT BASE REAR SIGHT BASE SCREWS FINISH		STOCK ASSEMBLY STOCK SLING SWIVEL STUDS BUTT PATE LOCK NUTS BARREL CLEARANCE COLOR / FINISH	
SCOPE ASSEMBLY SCOPE SCOPE RINGS MOUNTING SCREWS MOUNTING BASE SCREWS FINISH CLARITY		SYSTEM CASE SCOPE CASE IRON SIGHTS DEPLOYMENT KIT TRIGGER ASSEMBLY SAFETY OPERATION RE-SET TO FACTORY SPECS	
COMMENTS:			

F006 REV 5/2006

C6225152

MODEL 700™ M24

Model 700 M24™

Action

Barrel Length

Capacity

Order No. 5716

* Includes 1 in chamber.

Remington