

CB523445

MODEL 700™ N24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

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: **RE00127456**

Serial: C6523446 Model M24 SWS Center Fire
Caliber: 308 WIN

Repairman:

Status: Closed 3/30/2007 9:59:22 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: CO C1ST / 20TH S.F.G.

CO C1ST / 20TH S.F.G.

Address 1: MASSACHUSETTS ARMY NATIONAL GUARD

MASSACHUSETTS ARMY NATIONAL GUARD

Address 2: 1505 ROOSEVELT AVENUE PO Box:

1505 ROOSEVELT AVENUE PO Box:

City: SPRINGFIELD

SPRINGFIELD

State: MA

Zip Code: 01109-2438

Country: US

State: MA

Zip Code: 01109-2438

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	Qt
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
B000	FRONT/REAR BASE	1
R001	DEFI OYMENT KIT	1

Repair Search

Refresh

Close

nagletj

3/30/2007

11:12 AM

CAPS

NUM

INS

SCRL



Serial Number: **C6523446**

Model: **M24 SWS**



RE00127456

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523446.__0

FILE DATE AND TIME: 05/08/2007 12:42

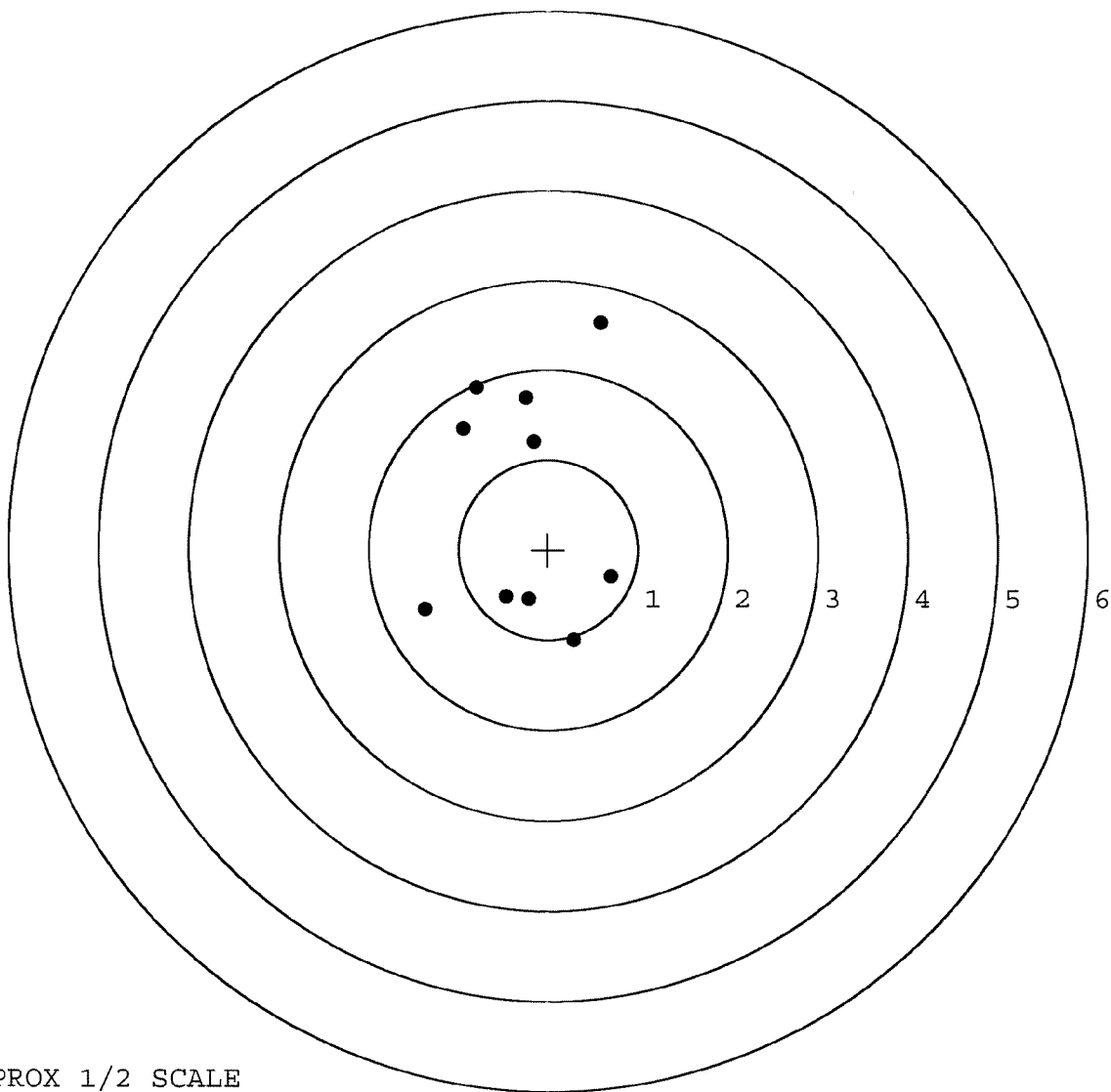
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.047
The Average Y Centroid of the Five Target Set:	0.099
The Average Point of Impact of the Five Target Set:	0.110
The Average Mean Radius of the Five Target Set:	0.914
The Distance from POA to Centroid Target #1:	0.606
The Distance from Centroid Target #2 to Centroid Target #1:	0.798
The Distance from Centroid Target #3 to Centroid Target #1:	0.294
The Distance from Centroid Target #4 to Centroid Target #1:	0.778
The Distance from Centroid Target #5 to Centroid Target #1:	0.653

SERIAL NUMBER: C6523446. __0
 TARGET NUMBER: 1
 FILE DATE: 05/08/2007
 FILE TIME: 12:42

POINT#	X	Y
1:	0.293	-1.008
2:	0.700	-0.302
3:	-0.220	-0.559
4:	-0.468	-0.528
5:	-1.368	-0.680
6:	-0.162	1.198
7:	-0.248	1.683
8:	-0.951	1.339
9:	-0.806	1.796
10:	0.588	2.520

X CENTROID: -0.264
 Y CENTROID: 0.546
 POA TO CENTROID: 0.606
 HORZ SPREAD: 2.068
 VERT SPREAD: 3.528
 GROUP SPREAD: 3.750
 MIN RADIUS: 0.660
 MAX RADIUS: 2.150
 MEAN RADIUS: 1.314
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 1
 # in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523446. __0

TARGET NUMBER: 2

FILE DATE: 05/08/2007

FILE TIME: 12:42

POINT#	X	Y
1:	0.926	-0.100
2:	0.416	-0.593
3:	-0.421	-1.822
4:	-0.707	-0.526
5:	-0.546	0.047
6:	-0.271	-0.130
7:	0.131	0.121
8:	-0.049	0.000
9:	0.037	0.337
10:	-0.252	0.375

X CENTROID: -0.074

Y CENTROID: -0.229

POA TO CENTROID: 0.241

HORZ SPREAD: 1.633

VERT SPREAD: 2.197

GROUP SPREAD: 2.207

MIN RADIUS: 0.221

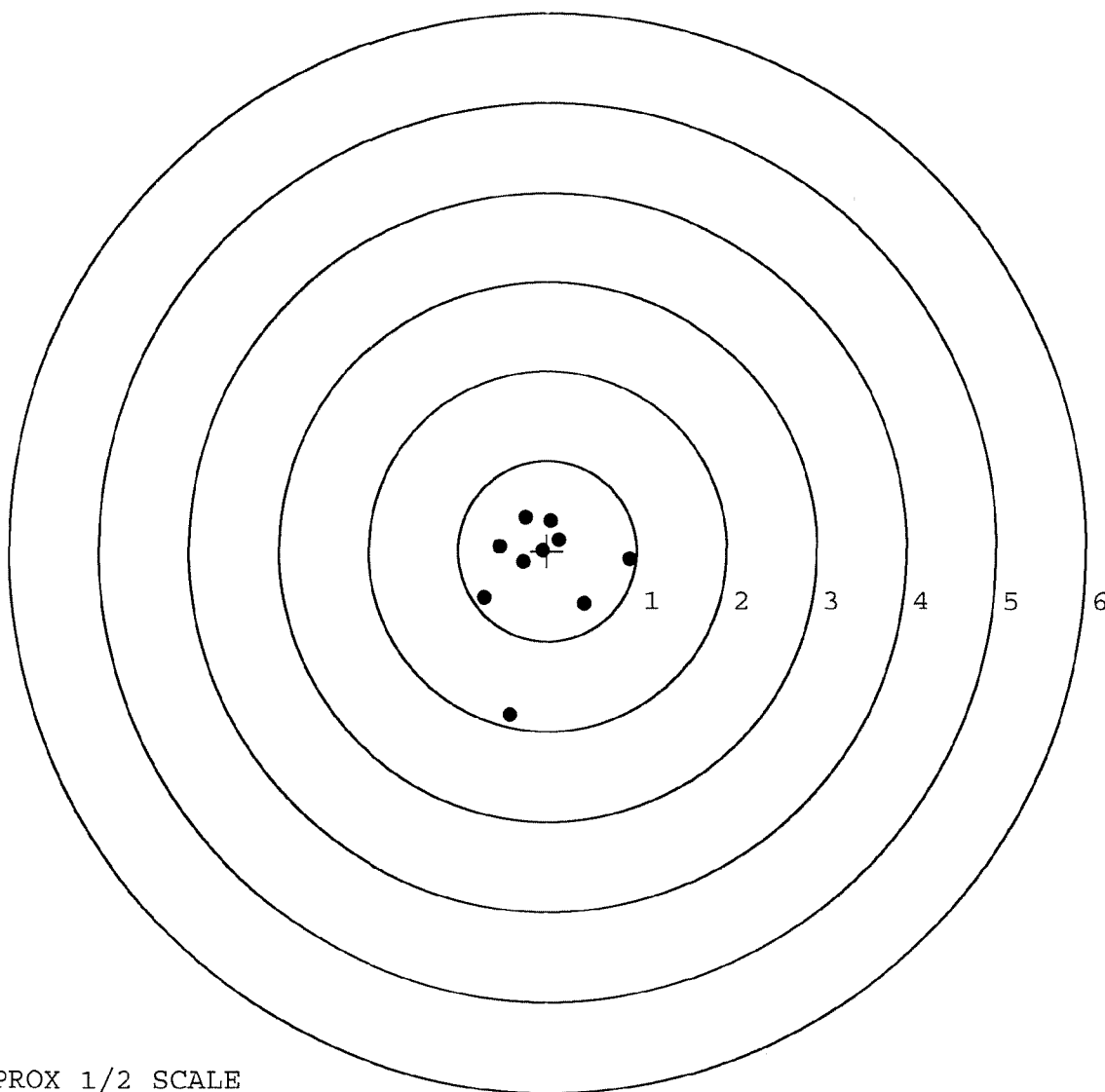
MAX RADIUS: 1.630

MEAN RADIUS: 0.656

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523446. __0

TARGET NUMBER: 3

FILE DATE: 05/08/2007

FILE TIME: 12:42

POINT#	X	Y
1:	0.335	-0.726
2:	0.413	-0.279
3:	0.229	-0.378
4:	0.021	-0.523
5:	-0.235	-0.615
6:	-0.483	-0.397
7:	0.584	0.507
8:	-0.568	1.092
9:	-0.894	1.426
10:	-0.614	2.778

X CENTROID: -0.121

Y CENTROID: 0.289

POA TO CENTROID: 0.313

HORZ SPREAD: 1.478

VERT SPREAD: 3.504

GROUP SPREAD: 3.630

MIN RADIUS: 0.738

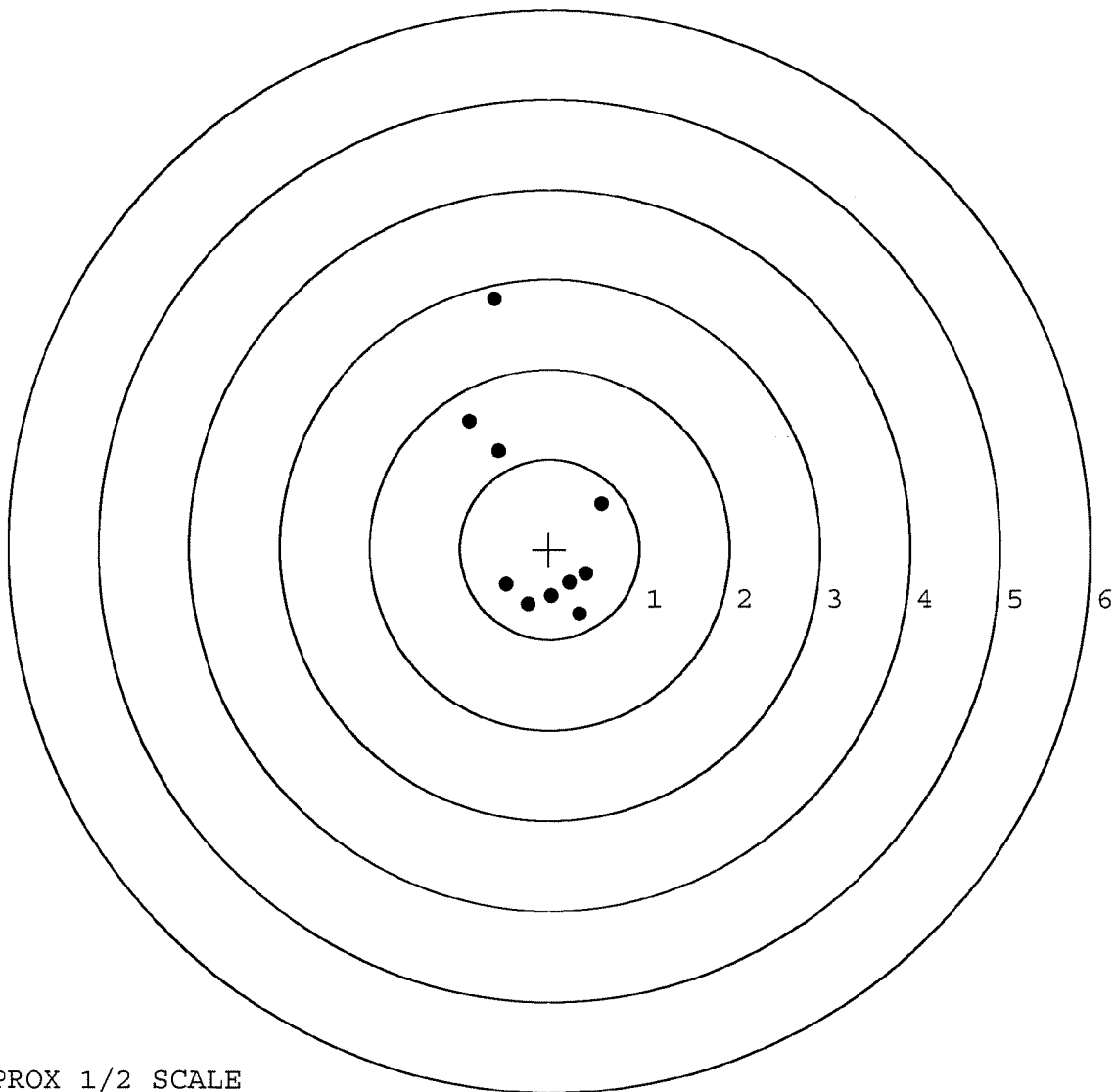
MAX RADIUS: 2.538

MEAN RADIUS: 1.072

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523446. __0

TARGET NUMBER: 4

FILE DATE: 05/08/2007

FILE TIME: 12:42

POINT#	X	Y
1:	0.163	-1.531
2:	0.956	-0.333
3:	0.430	-0.098
4:	0.412	-0.471
5:	0.054	-0.438
6:	-0.597	-0.443
7:	-0.470	-0.172
8:	-0.235	0.261
9:	-0.226	0.707
10:	0.103	0.896

X CENTROID: 0.059

Y CENTROID: -0.162

POA TO CENTROID: 0.173

HORZ SPREAD: 1.553

VERT SPREAD: 2.427

GROUP SPREAD: 2.428

MIN RADIUS: 0.276

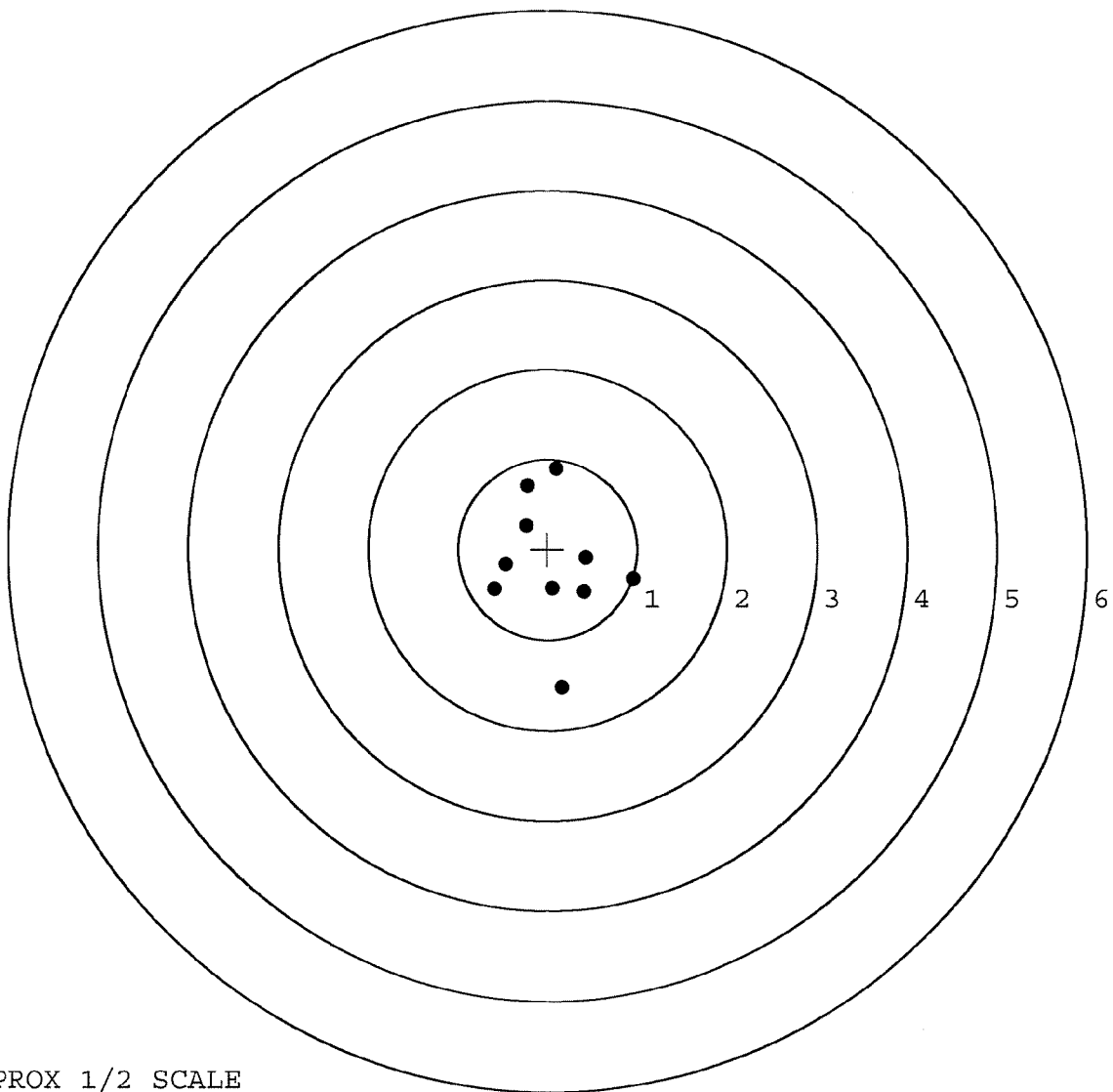
MAX RADIUS: 1.373

MEAN RADIUS: 0.714

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523446. __0

TARGET NUMBER: 5

FILE DATE: 05/08/2007

FILE TIME: 12:42

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

1:	-0.205	-1.041
----	--------	--------

2:	-0.373	-0.520
----	--------	--------

3:	0.132	-0.290
----	-------	--------

4:	-1.666	-0.346
----	--------	--------

5:	0.156	0.426
----	-------	-------

6:	0.283	0.447
----	-------	-------

7:	0.801	0.139
----	-------	-------

8:	0.738	0.451
----	-------	-------

9:	0.908	0.484
----	-------	-------

10:	0.855	0.767
-----	-------	-------

X CENTROID: 0.163

Y CENTROID: 0.052

POA TO CENTROID: 0.171

HORZ SPREAD: 2.574

VERT SPREAD: 1.808

GROUP SPREAD: 2.756

MIN RADIUS: 0.343

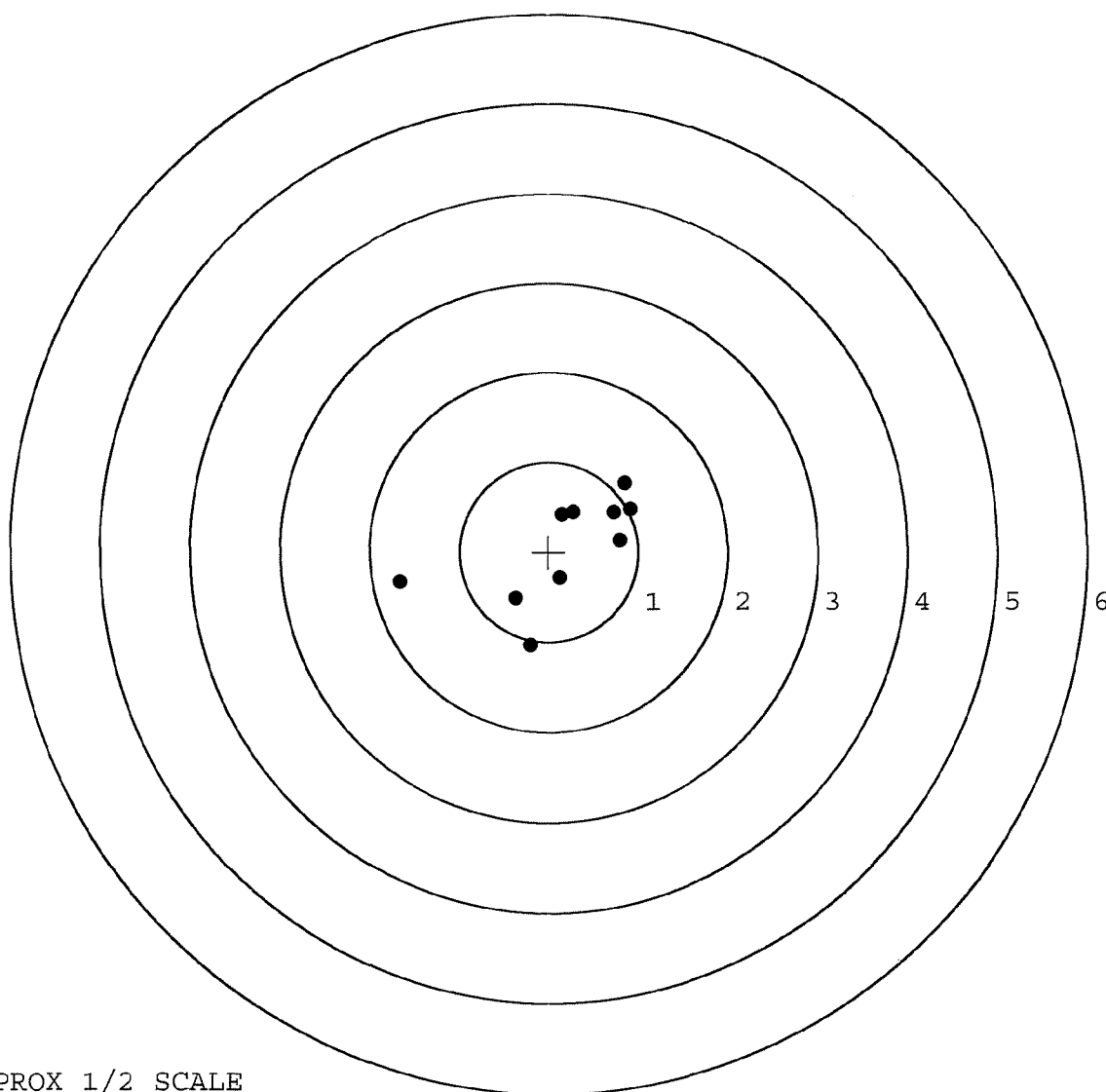
MAX RADIUS: 1.872

MEAN RADIUS: 0.814

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

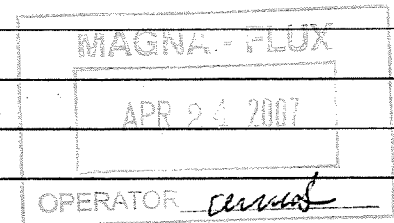
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	127456		
SERIAL NUMBER	C6523446		
LOG-IN DATE	3-30-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-17-07	RTZ
505	RE-BARREL	4-20-07	RTZ
560	ASSEMBLE	4-19-07	TRW
600	PROOF	4-19-07	TRW
605	CHECK HEADSPACE	4-19-07	TRW
610	DIS-ASSEMBLE GUN	4-20-07	RTZ
612	MAGNAFLUX	4/25/07	unsub
510	DRILL AND TAP	4-24-07	TRW
615	ROLLMARK CALIBER	4-24-07	CW
618	ROTO-BLAST	4-24-07	LB
620	APPLY COATINGS	4-27-07	WJ
625	FINAL ASSEMBLY	5-4-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	5/7/07
650	TARGET	PASS FAIL	5/7/07
	MALFUNCTION	CORRECTION	5-14-07
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		
	A) HEADSPACE	PASS FAIL	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.70 2.82 2.87 2.88 2.80 5-9-07
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.5 5.0 5.5 5-9-07
	G) SAFETY OFF FORCE	2 LBS MIN	3.75 3.75 3.75 5-9-07
	I) FIRING PIN INDENT	.020	.0225 .022 .0225 5-9-07
690	PACK		5-14-07



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

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

SERIAL NO. C6520446

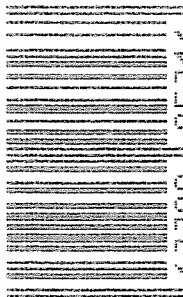
ORDER NO. 5716

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



5716 C6520446

UPC



0 47700 25716

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523446

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	LS
617	Drill and Tap Sight Holes		10/18/90	FB
618	Polish Barrel RB		10/19/90	WB
620	Apply Coatings (Barrel Action)		11-5-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/12/90	RW
	C) Inspect Ejector Hole for Chamfer		12/12/90	RW
	D) Oil Firing Pin Ass'y		12/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/18/91	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			1/18/91	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			1/18/91	WB
	H) Trigger Pull Test & Retainability						1/18/91	WB
	I) Firing Pin Indent	.0205	.021	.021			1/18/91	WB
	J) Assemble Stock						1/18/91	RW
	K) Assemble Swivel Studs						2-1-91	K
	L) Attach Front and Rear Sight Assemblies						1/18/91	RW
	M) Iron Sight Alignment						1/18/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/18/91	RW
	O) Attach Scope to Rifle						1/18/91	RW
	P) Detach & Attach Scope 20 Times						1/18/91	RW
640	Gallery Target & Test						1-20-91	DH
	A) Time						1-20-91	DH
	B) Malfunctions						1-20-91	DH
	C) Pierced Primers						1-20-91	DH
	D) Optical Clarity of Scope						1-20-91	DH
645	Inspect for Live Ammo						1-20-91	DH
655	Final Inspection							
	A) Headspace						2-1-91	K
	B) Trigger Pull	2.57	2.28	2.39	2.32	2.44	1-23-91	JH
	C) Function						2-1-91	K
660	Pack						3-19-91	NF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523446

DATE 1/18/91

TESTER WLB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.51	2.55	2.51	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.57	2.48	2.28	
PULL #3	2.52	2.35	2.38	2.39	
PULL #4	2.53	2.53	2.30	2.32	
PULL #5	2.55	2.59	2.49	2.44	
TOTAL	12.57	12.55	12.20		
AVG.	2.51	2.51	2.44		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.12		
PULL #2	3.11	3.16		
PULL #3	3.09	3.02		
PULL #4	3.13	3.18		
PULL #5	3.12	3.20		
TOTAL	15.63	15.68		
AVG.	3.12	3.13		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.02	4.09		4.25
PULL #2	4.01	4.10		4.23
PULL #3	4.03	4.00		4.25
PULL #4	4.04	4.11		4.30
PULL #5	4.06	4.13		4.13
TOTAL	20.16	20.43		21.16
AVG.	4.03	4.08		4.23

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523446
21 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.391134
1 TO	2	.315826
1 TO	3	.397966
1 TO	4	.306624
1 TO	5	.35195

↓
* <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0344
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .118
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .122912

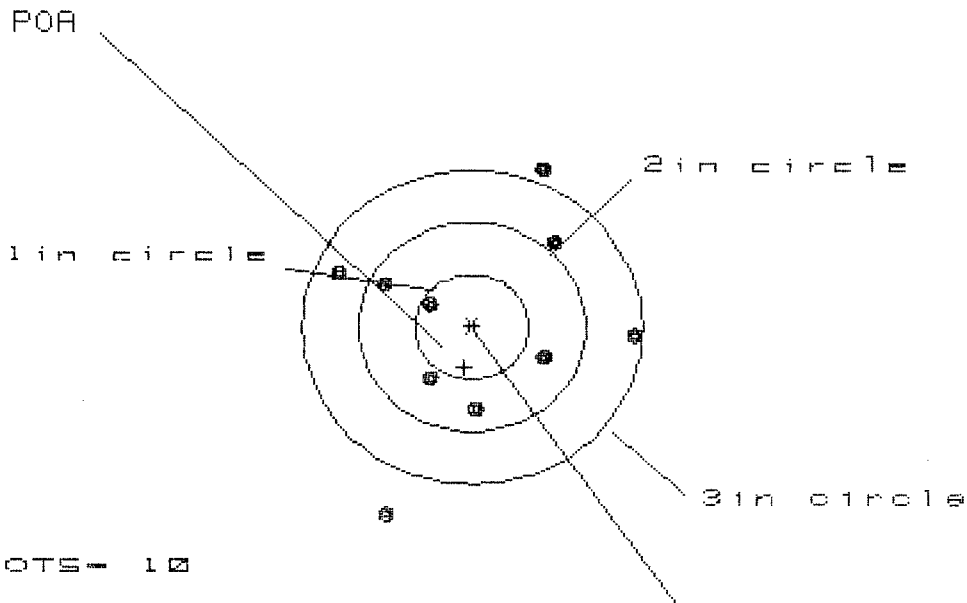
THE AMR FOR THIS RIFLE IS: .932

21 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6523446

CENTERFIRE PATTERNS

1



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.501

VS = 3.318

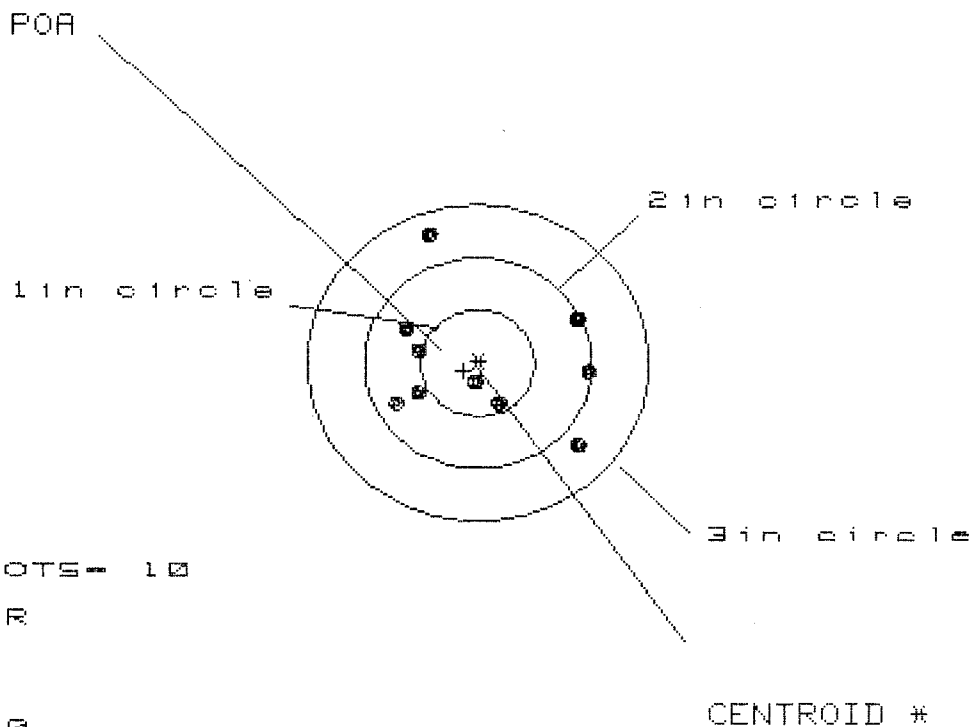
GS = 3.599

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.432	1.344	1.407
MINIMUM X	-1.169	-1.257	-1.194
MAXIMUM Y	1.540	1.342	.805
MINIMUM Y	-1.778	-.980	-.812
CENTROID X	.069	.157	.094
CENTROID Y	.385	.583	.415
POA TO CENTROID in.	.391	.603	.425
MIN RADIUS	.389	.428	.399
MEAN RADIUS	1.074	.981	.896
MAX RADIUS	1.949	1.435	1.416
HORIZONTAL SPREAD	2.601	2.601	2.601
VERTICAL SPREAD	3.318	2.322	1.617
EXTREME SPREAD	3.599	2.674	2.674
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

21 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6523446

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 8

3 in - 10

HS= 1.670

VS= 2.049

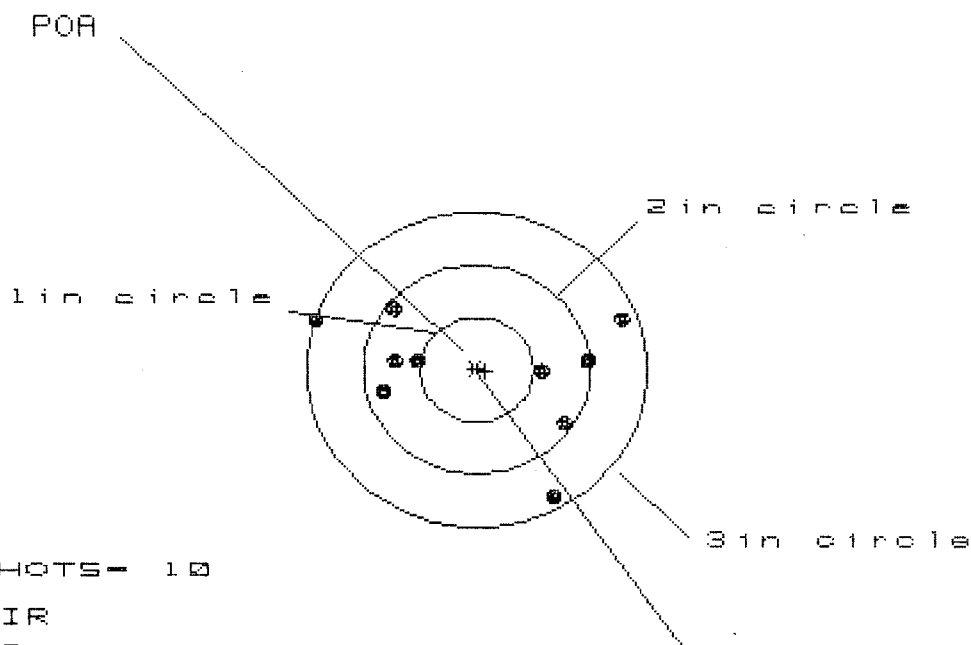
GS= 2.460

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.981	.931	1.039
MINIMUM X	:	-.689	-.739	-.631
MAXIMUM Y	:	1.234	.559	.474
MINIMUM Y	:	-.815	-.678	-.356
CENTROID X	:	.124	.174	.066
CENTROID Y	:	.074	-.063	.022
POA TO CENTROID in.	:	.145	.185	.070
MIN RADIUS	:	.189	.067	.152
MEAN RADIUS	:	.773	.688	.631
MAX RADIUS	:	1.313	1.097	1.039
HORIZONTAL SPREAD	:	1.670	1.670	1.670
VERTICAL SPREAD	:	2.049	1.237	.830
EXTREME SPREAD	:	2.460	1.954	1.734
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

21 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6523446

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 7

3 in = 9

HS= 2.722

VS= 1.832

GS= 2.728

CENTROID #

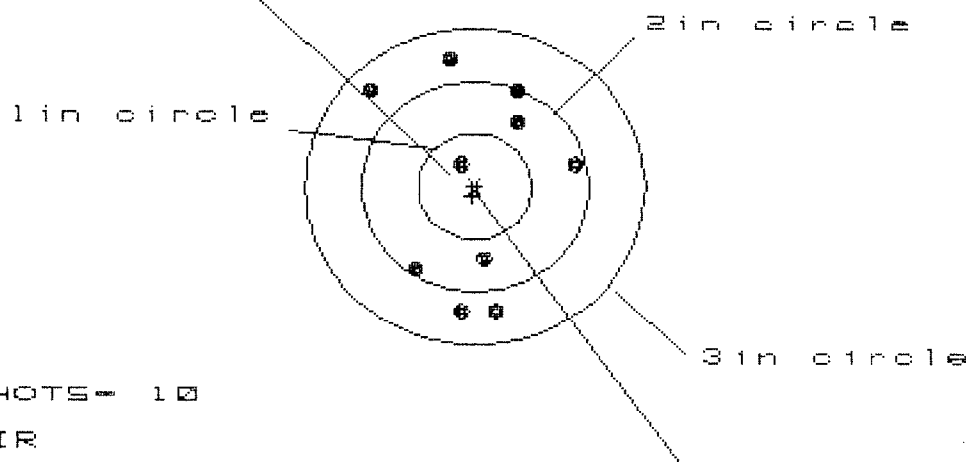
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.278	1.118	1.182
MINIMUM X	:	-1.444	-.998	-.934
MAXIMUM Y	:	.619	.675	.530
MINIMUM Y	:	-1.213	-1.157	-.603
CENTROID X	:	-.075	.085	.021
CENTROID Y	:	.014	-.042	.103
POA TO CENTROID in.	:	.077	.095	.105
MIN RADIUS	:	.517	.436	.513
MEAN RADIUS	:	.996	.929	.879
MAX RADIUS	:	1.530	1.266	1.262
HORIZONTAL SPREAD	:	2.722	2.116	2.116
VERTICAL SPREAD	:	1.832	1.832	1.133
EXTREME SPREAD	:	2.728	2.330	2.253
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

21 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6523446

CENTERFIRE PATTERNS # 4

POA



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 1.794

VS= 2.422

GS= 2.460

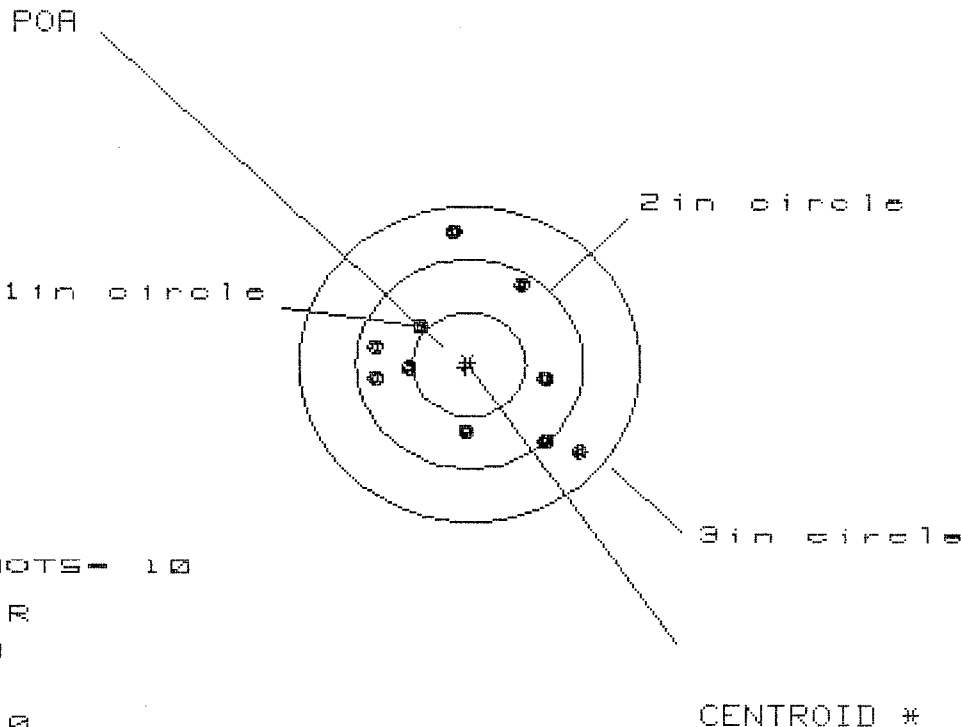
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.855	.750	.710
MINIMUM X	:	-.939	-.642	-.682
MAXIMUM Y	:	1.213	1.310	1.133
MINIMUM Y	:	-1.209	-1.112	-.948
CENTROID X	:	.022	.127	.167
CENTROID Y	:	.082	-.015	-.179
POA TO CENTROID in.	:	.085	.128	.244
MIN RADIUS	:	.248	.387	.454
MEAN RADIUS	:	.943	.902	.836
MAX RADIUS	:	1.284	1.348	1.154
HORIZONTAL SPREAD	:	1.794	1.392	1.392
VERTICAL SPREAD	:	2.422	2.422	2.081
EXTREME SPREAD	:	2.460	2.460	2.124
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

21 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6523446

CENTERFIRE PATTERNS # 5



OF SHOTS- 10
 # IN CIR
 1in = 0
 2in = 7
 3in = 10
 HS= 1.879
 VS= 2.126
 GS= 2.407

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.010	.799	.798
MINIMUM X	:	-.869	-.757	-.758
MAXIMUM Y	:	1.270	1.175	.808
MINIMUM Y	:	-.856	-.863	-.716
CENTROID X	:	.032	-.080	-.079
CENTROID Y	:	.035	.130	-.017
POA TO CENTROID in.	:	.047	.152	.081
MIN RADIUS	:	.566	.426	.450
MEAN RADIUS	:	.874	.803	.748
MAX RADIUS	:	1.324	1.176	1.072
HORIZONTAL SPREAD	:	1.879	1.556	1.556
VERTICAL SPREAD	:	2.126	2.038	1.524
EXTREME SPREAD	:	2.407	2.191	1.805
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	