

C6587652

MODEL 700TM M24

Model **SMS** TM

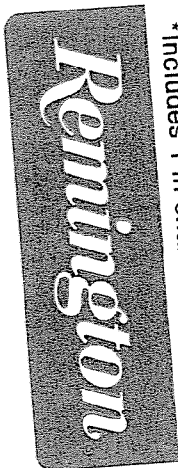
Action _____

Barrel Length _____

Capacity _____

Order No. **5715**

*Includes 1 in chamber.



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: RE00129625

Serial: C6587652 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 03/20/1991

Repairman:

Status:

New 5/22/2007 11:45:38 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: DODDAAC W81F64

DODDAAC W81F64

Address 1: CAMP ROBERTS MATES

CAMP ROBERTS MATES

Address 2: EAST GARRISON BLDG 25021

PO Box:

EAST GARRISON BLDG 25021

PO Box:

City: SAN MIGUEL

SAN MIGUEL

State: CA

Zip Code: 93451

Country: US

State: CA

Zip Code: 93451

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
A017	Scope Base	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

5/23/2007

7:40 AM

CAPS

NUM

INS

SCRL

start

3 Mi...

Arms ...

Part ...

6 In...

3 Mi...

Stock...

7:39 AM

Serial Number: C6587652

Model: M24 SWS



RE00129625

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587652.__0
FILE DATE AND TIME: 07/03/2007 14:55

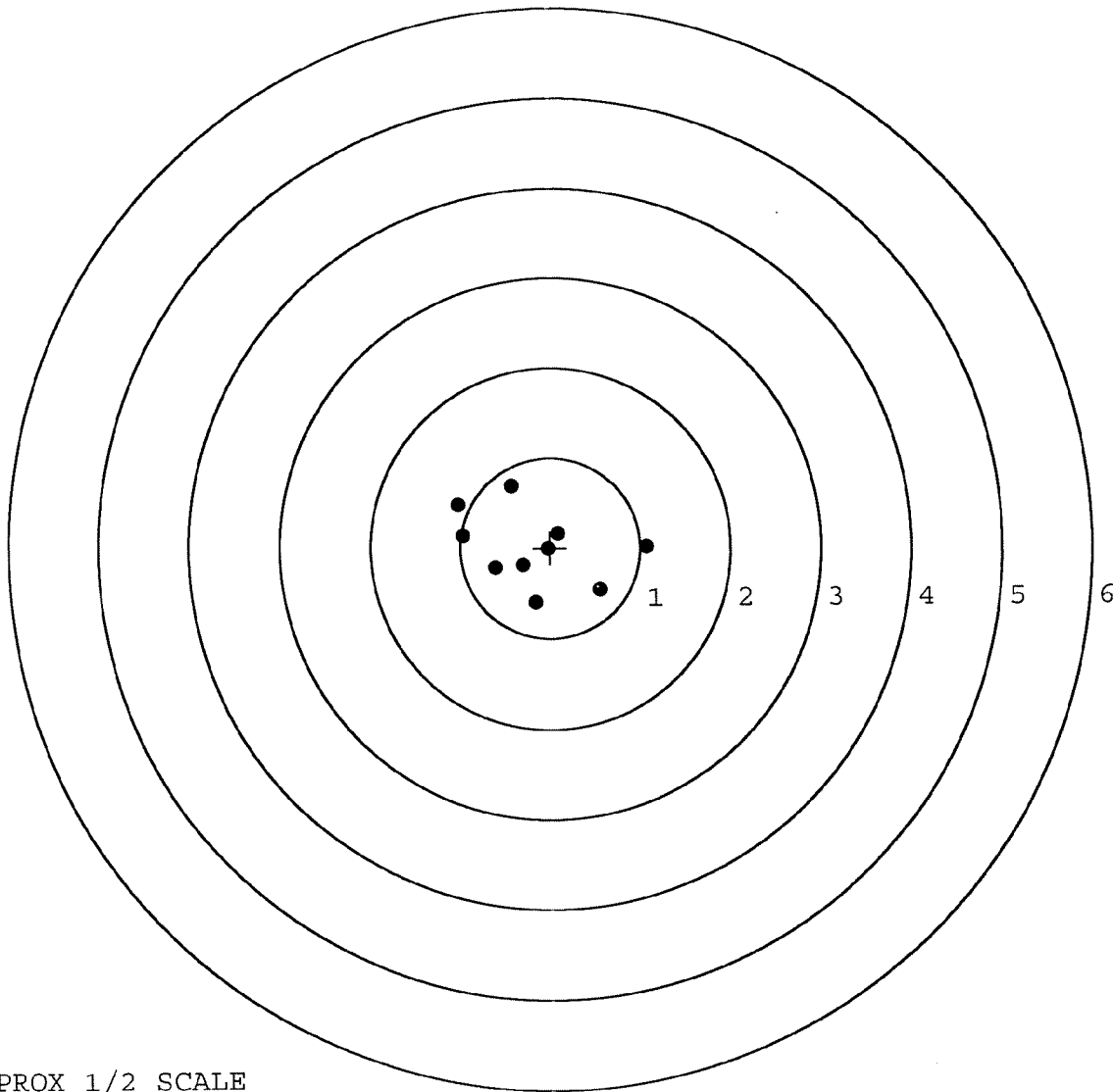
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.046
The Average Y Centroid of the Five Target Set:	-0.068
The Average Point of Impact of the Five Target Set:	0.082
The Average Mean Radius of the Five Target Set:	0.598
The Distance from POA to Centroid Target #1:	0.181
The Distance from Centroid Target #2 to Centroid Target #1:	0.194
The Distance from Centroid Target #3 to Centroid Target #1:	0.198
The Distance from Centroid Target #4 to Centroid Target #1:	0.173
The Distance from Centroid Target #5 to Centroid Target #1:	0.197

SERIAL NUMBER: C6587652. __0
TARGET NUMBER: 1
FILE DATE: 07/03/2007
FILE TIME: 14:55

X CENTROID: -0.181
Y CENTROID: -0.004
POA TO CENTROID: 0.181
HORZ SPREAD: 2.093
VERT SPREAD: 1.299
GROUP SPREAD: 2.146
MIN RADIUS: 0.155
MAX RADIUS: 1.251
MEAN RADIUS: 0.642
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.070	0.011
2:	0.555	-0.468
3:	0.093	0.157
4:	-0.026	-0.018
5:	-0.164	-0.612
6:	-0.303	-0.195
7:	-0.613	-0.225
8:	-0.967	0.135
9:	-1.023	0.483
10:	-0.431	0.687



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587652.___0

TARGET NUMBER: 2

FILE DATE: 07/03/2007

FILE TIME: 14:55

X CENTROID: -0.016

Y CENTROID: -0.108

POA TO CENTROID: 0.109

HORZ SPREAD: 1.153

VERT SPREAD: 1.949

GROUP SPREAD: 1.996

MIN RADIUS: 0.231

MAX RADIUS: 1.235

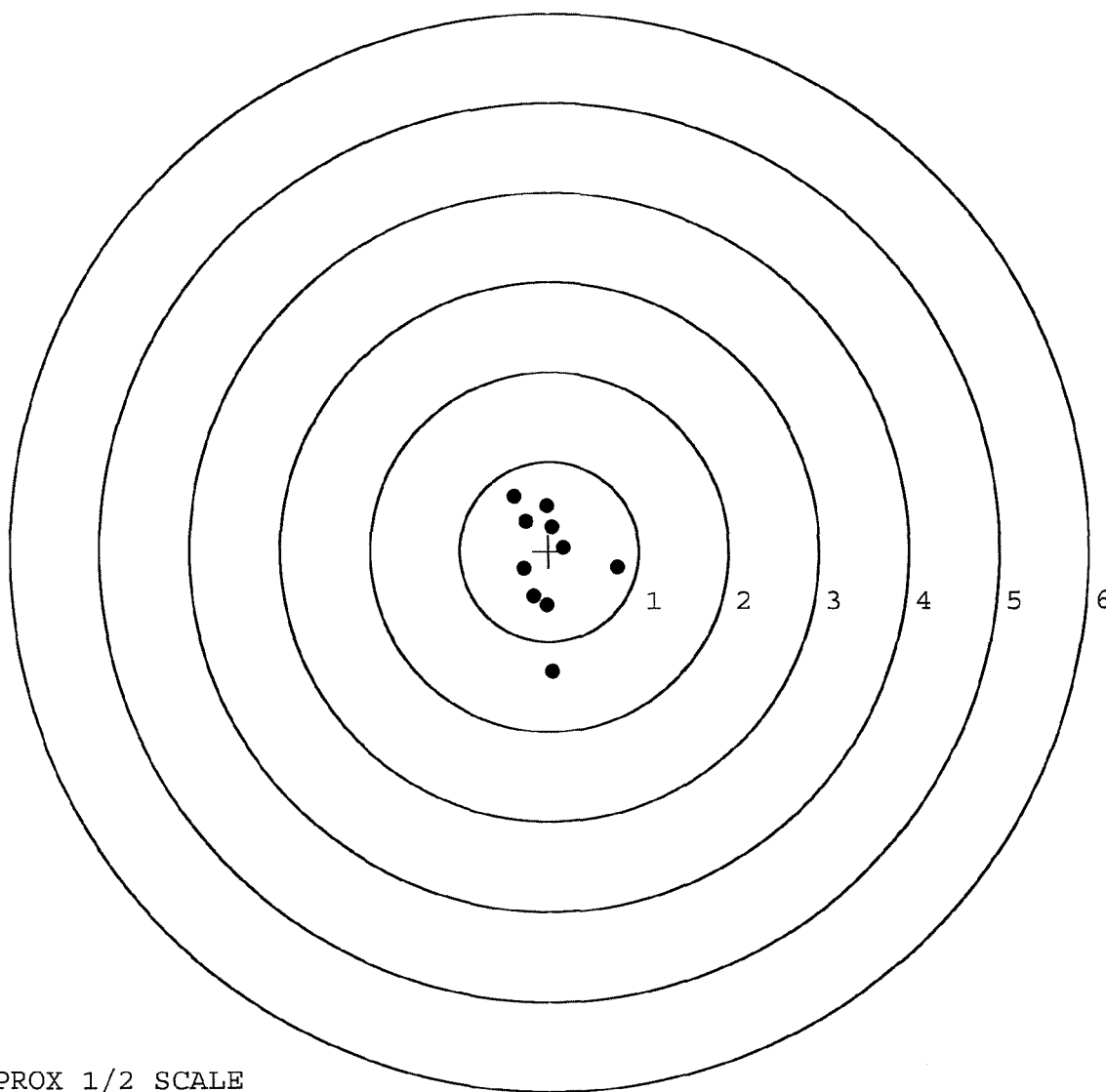
MEAN RADIUS: 0.576

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.043	-1.341
2:	0.766	-0.181
3:	-0.029	-0.606
4:	-0.175	-0.505
5:	-0.284	-0.195
6:	0.163	0.038
7:	0.031	0.271
8:	-0.261	0.330
9:	-0.387	0.608
10:	-0.031	0.505

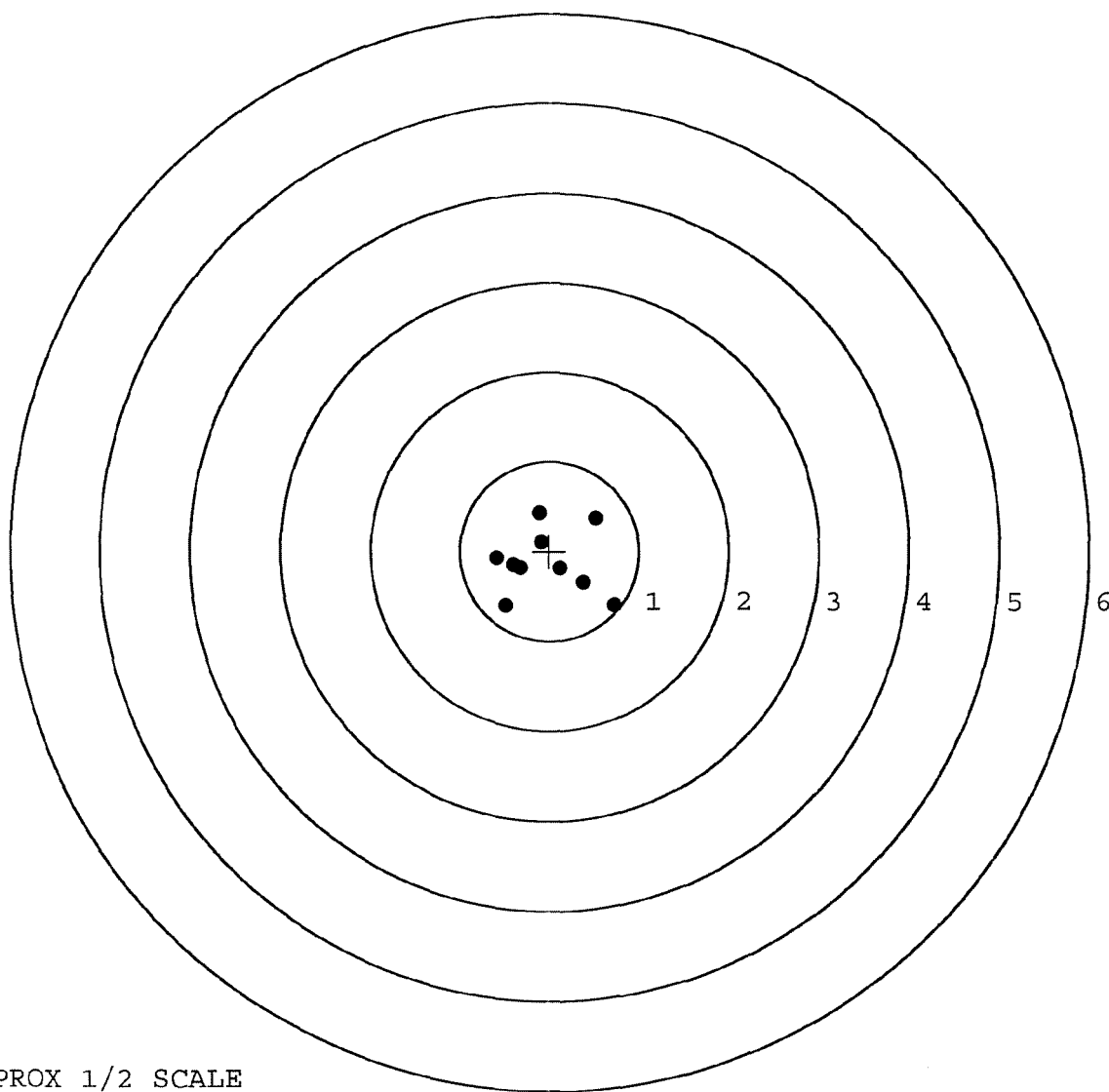


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587652. __0
TARGET NUMBER: 3
FILE DATE: 07/03/2007
FILE TIME: 14:55

X CENTROID: -0.025
Y CENTROID: -0.127
POA TO CENTROID: 0.129
HORZ SPREAD: 1.315
VERT SPREAD: 1.037
GROUP SPREAD: 1.416
MIN RADIUS: 0.163
MAX RADIUS: 0.892
MEAN RADIUS: 0.497
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.728	-0.605
2:	0.385	-0.348
3:	0.515	0.380
4:	-0.117	0.427
5:	-0.092	0.103
6:	0.125	-0.191
7:	-0.483	-0.610
8:	-0.320	-0.189
9:	-0.587	-0.079
10:	-0.402	-0.159



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587652. 0

TARGET NUMBER: 4

FILE DATE: 07/03/2007

FILE TIME: 14:55

POINT#	X	Y
1:	0.742	-0.587
2:	0.357	-0.335
3:	0.444	0.044
4:	-0.177	-0.575
5:	-0.256	-0.116
6:	-0.332	-0.012
7:	-0.504	0.143
8:	-0.327	0.269
9:	0.077	0.411
10:	-0.109	0.538

X CENTROID: -0.009

Y CENTROID: -0.022

POA TO CENTROID: 0.024

HORZ SPREAD: 1.246

VERT SPREAD: 1.125

GROUP SPREAD: 1.444

MIN RADIUS: 0.265

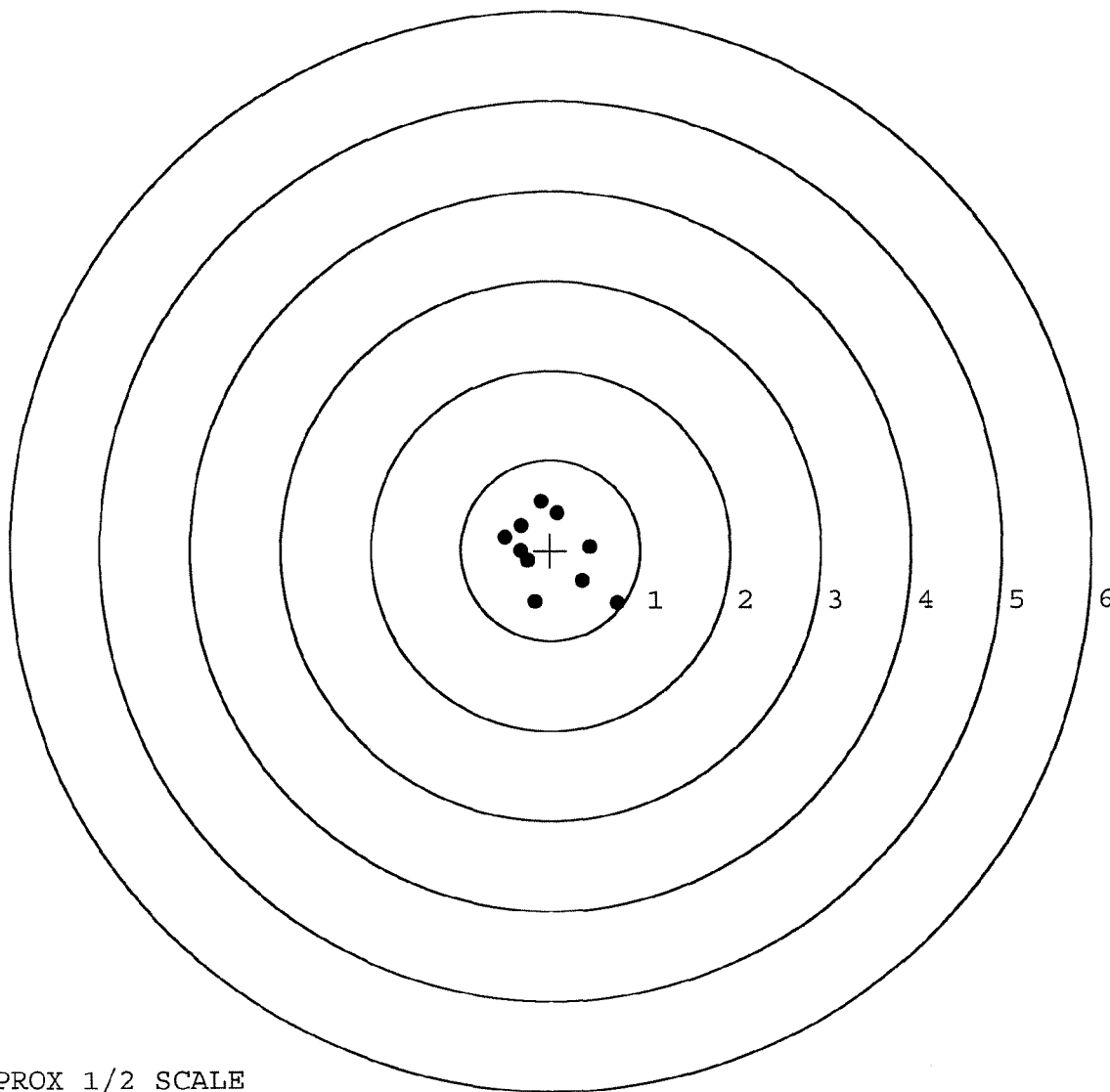
MAX RADIUS: 0.939

MEAN RADIUS: 0.501

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587652. 0

TARGET NUMBER: 5

FILE DATE: 07/03/2007

FILE TIME: 14:55

POINT#	X	Y
1:	1.143	-1.674
2:	0.479	-0.328
3:	0.379	0.222
4:	0.962	1.042
5:	-0.396	0.447
6:	-0.212	0.032
7:	-0.676	-0.308
8:	-0.464	-0.160
9:	-0.665	-0.049
10:	-0.525	0.005

X CENTROID: 0.003

Y CENTROID: -0.077

POA TO CENTROID: 0.077

HORZ SPREAD: 1.819

VERT SPREAD: 2.716

GROUP SPREAD: 2.722

MIN RADIUS: 0.241

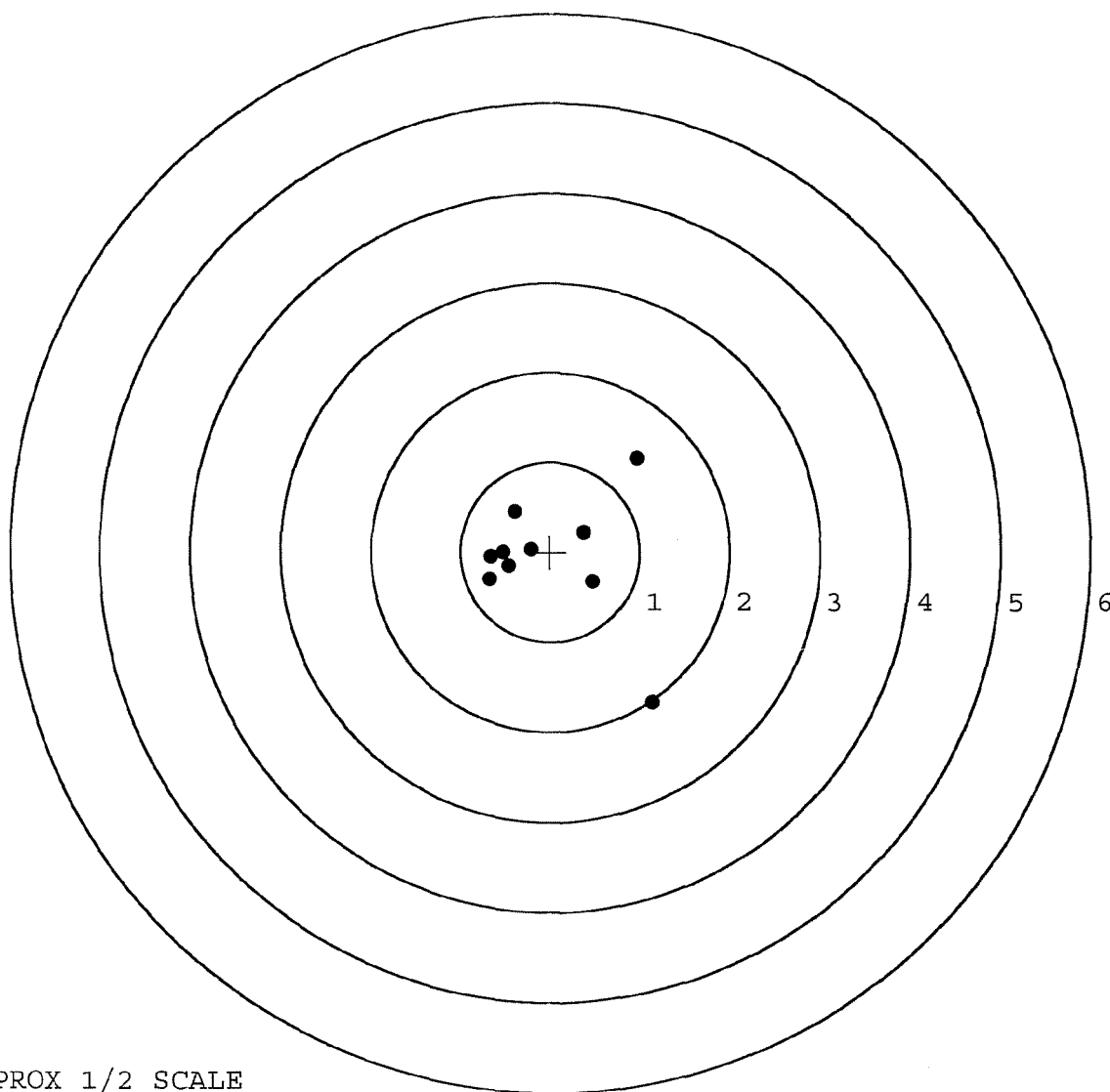
MAX RADIUS: 1.962

MEAN RADIUS: 0.775

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		129625	
SERIAL NUMBER		C6587652	
LOG-IN DATE		5-22-07	

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-19-07	RTZ
505	RE-BARREL	6-22-07	RTZ
560	ASSEMBLE	6-22-07	RTZ
600	PROOF	6-22-07	TRW
605	CHECK HEADSPACE	6-22-07	TRW
610	DIS-ASSEMBLE GUN	6-22-07	RTZ
612	MAGNAFLUX	6/25/07	unsub
510	DRILL AND TAP	6-22-07	SD
615	ROLLMARK CALIBER	6-25-07	CW
618	ROTO-BLAST	6-26-07	LB
620	APPLY COATINGS	6-28-07	CM
625	FINAL ASSEMBLY	7-2-07	F.P.D.
640	FUNCTION TEST AND	(PASS) FAIL	7-3-07 TRW
650	TARGET	(PASS) FAIL	7-3-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		7-9-07 RA
	A) HEADSPACE	PASS FAIL	7-9-07 RA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.71 2.74 2.84 2.81 2.86 7.507 RA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 4.5 4.2 7.507 RA
	G) SAFETY OFF FORCE	2 LBS MIN	3.2 3.2 3.2 7.507 RA
	I) FIRING PIN INDENT	.020	.0235 .023 .0235 7.507 RA
690	PACK		7.507 RA

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

MODEL 700TM H24

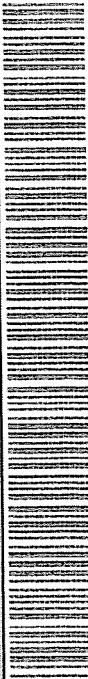
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.

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

SERIAL NO.
 C6587652

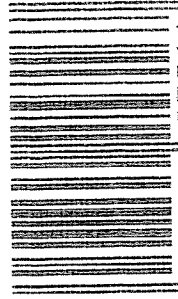
ORDER NO.
 5716

20



5716 C6587652

UPC



0 47700 25716

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587652

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1019	90	Rw
600	Proof	1019	90	Rw
607	Check Headspace	1019	90	Rw
610	Dis-assemble Gun	1019	90	Rw
612	Magnaflux Barrel Action		10/23/90	KR
	Magnaflux Bolt		10/23/90	KR
615	Rollmark Caliber		10/23/90	LS
617	Drill and Tap Sight Holes		10/26/90	WB
618	Polish Barrel <i>RB</i>		10/27/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	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		11/27/90	TH
			1/18/91	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	2	2			1/18/91	WB
	H) Trigger Pull Test & Retainability						1/18/91 11/27/88	WB AC
	I) Firing Pin Indent	.0205	.0215	.021			1/18/91	WB
	J) Assemble Stock						1/18/91	RW
	K) Assemble Swivel Studs						2-1-91	AC
	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						1-18-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						1-18-91	NF
655	Final Inspection							
	A) Headspace						2-1-91	AC
	B) Trigger Pull	260	249	259	257	226	1-23-91	AC
	C) Function						2-1-91	AC
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. C6587652

DATE 11/18/91

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.33	2.54	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.38	2.56	2.49	
PULL #3	2.53	2.42	2.64	2.59	
PULL #4	2.52	2.36	2.62	2.57	
PULL #5	2.48	2.25	2.58	2.26	
TOTAL	12.50	11.74	12.94		
AVG.	2.50	2.35	2.59		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.08		
PULL #2	3.11	3.15		
PULL #3	3.05	3.15		
PULL #4	3.05	3.12		
PULL #5	3.07	3.15		
TOTAL	15.35	15.65		
AVG.	3.07	3.13		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.05		4.23
PULL #2	4.19	4.16		4.36
PULL #3	4.27	4.27		4.37
PULL #4	4.35	4.04		4.15
PULL #5	4.26	4.08		4.13
TOTAL	21.30	20.60		21.24
AVG.	4.26	4.12		4.25

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587652
19 Jan 1991

CENTROIDAL DISTANCES

0 TO 1	.169664
1 TO 2	.162816
1 TO 3	.167027
1 TO 4	.0673573
1 TO 5	.329006

5# <----POA

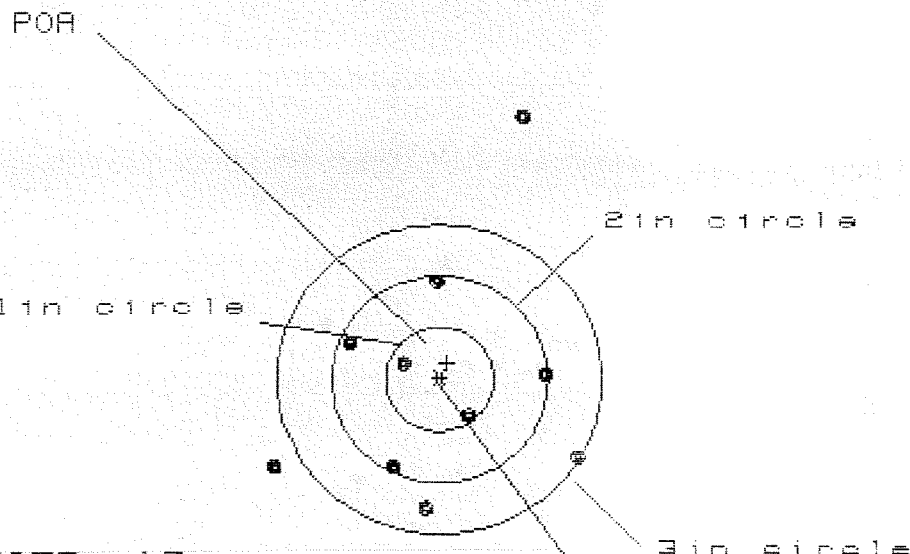
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0706
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1092
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .130035

THE AMR FOR THIS RIFLE IS: 1.15

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587652

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.853

VS= 3.755

GS= 4.111

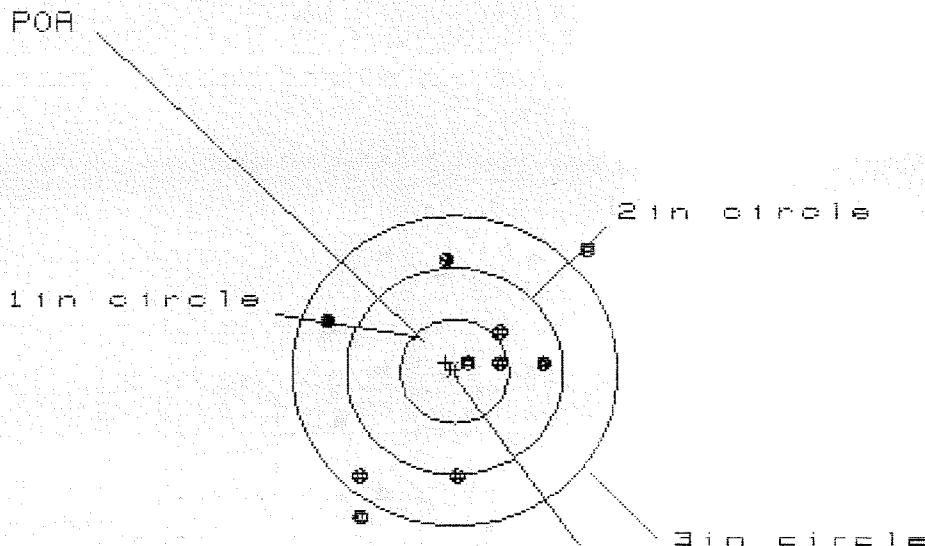
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.298	1.383	1.200
MINIMUM X	-1.555	-1.470	-.883
MAXIMUM Y	2.518	1.242	1.168
MINIMUM Y	-1.237	-.957	-1.031
CENTROID X	-.069	-.154	.030
CENTROID Y	-.155	-.435	-.361
POA TO CENTROID in.	.170	.462	.362
MIN RADIUS	.370	.324	.207
MEAN RADIUS	1.177	.985	.897
MAX RADIUS	2.633	1.585	1.320
HORIZONTAL SPREAD	2.853	2.853	2.082
VERTICAL SPREAD	3.755	2.199	2.199
EXTREME SPREAD	4.111	2.855	2.367
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	7	

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587652

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.390

VS= 2.617

GS= 3.362

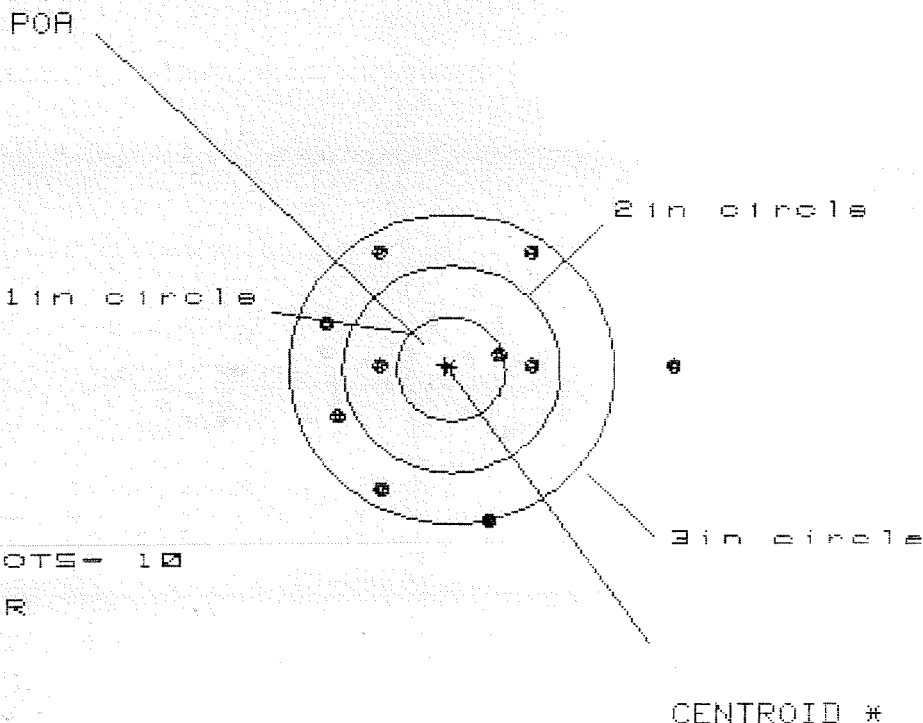
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.234	.924	.832
MINIMUM X	:	-1.156	-1.019	-1.111
MAXIMUM Y	:	1.225	1.171	1.014
MINIMUM Y	:	-1.392	-1.256	-1.062
CENTROID X	:	.078	-.059	.033
CENTROID Y	:	-.085	-.221	-.064
POA TO CENTROID in.	:	.115	.228	.072
MIN RADIUS	:	.178	.371	.200
MEAN RADIUS	:	1.002	.953	.837
MAX RADIUS	:	1.739	1.457	1.354
HORIZONTAL SPREAD	:	2.390	1.943	1.943
VERTICAL SPREAD	:	2.617	2.427	2.076
EXTREME SPREAD	:	3.362	2.569	2.244
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06587652

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS = 3.213

VS = 2.633

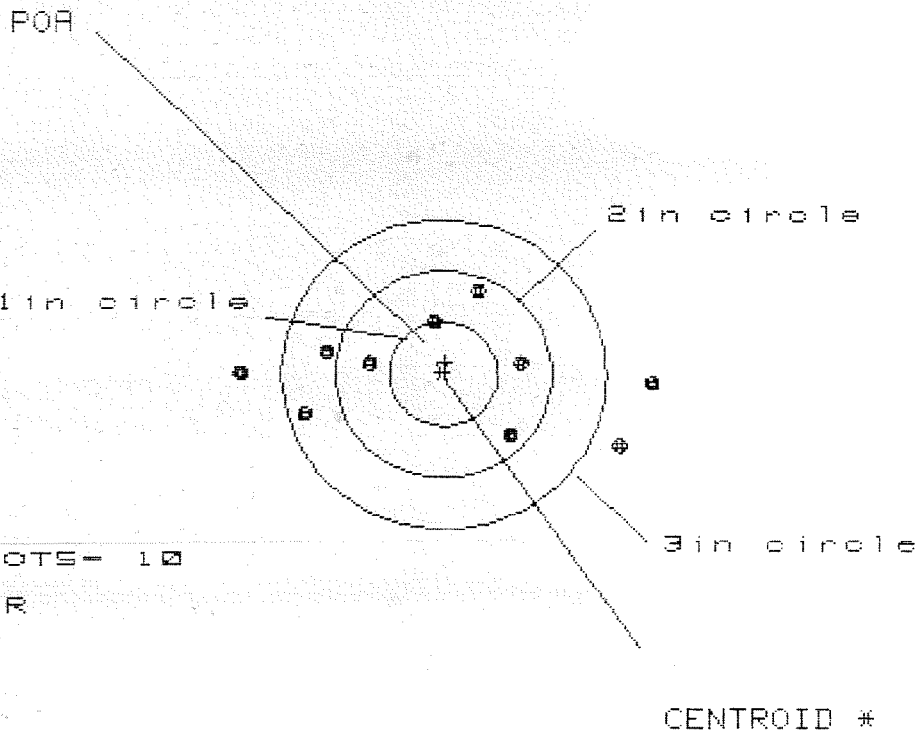
GS = 3.231

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.027	.957	1.033
MINIMUM X	:	-1.186	-.961	-.885
MAXIMUM Y	:	1.175	1.185	1.004
MINIMUM Y	:	-1.458	-1.448	-1.281
CENTROID X	:	.054	-.171	-.247
CENTROID Y	:	-.042	-.052	.129
POA TO CENTROID in.	:	.069	.179	.278
MIN RADIUS	:	.440	.472	.424
MEAN RADIUS	:	1.183	1.068	.988
MAX RADIUS	:	2.029	1.571	1.431
HORIZONTAL SPREAD	:	3.213	1.918	1.918
VERTICAL SPREAD	:	2.633	2.633	2.285
EXTREME SPREAD	:	3.231	2.793	2.657
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06587652

CENTERFIRE PATTERNS # 4



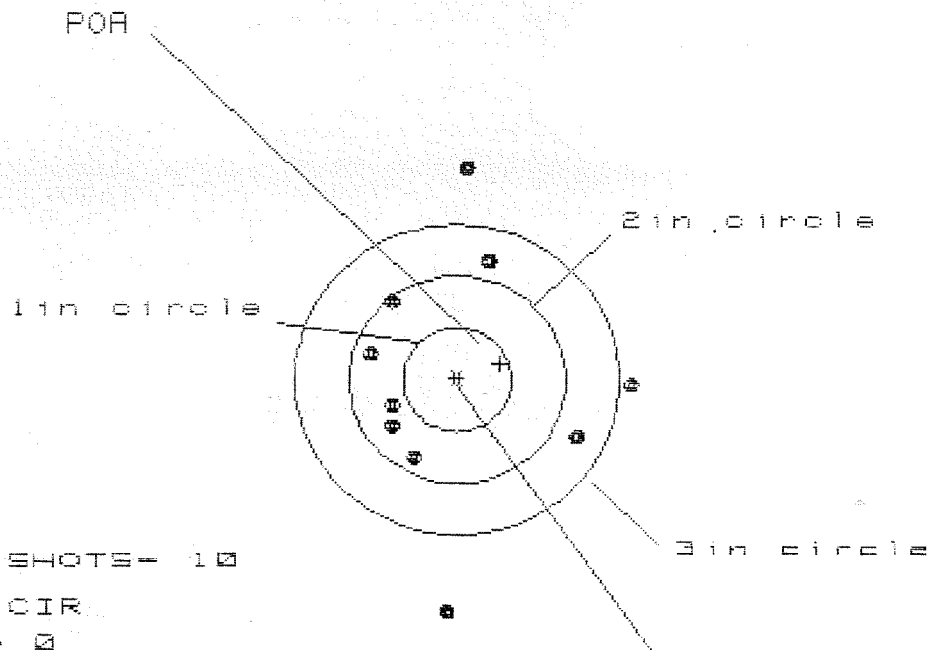
HS= 3.855
VS= 1.445
GS= 3.856

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.926	1.711	1.568
MINIMUM X	:	-1.929	-1.517	-1.303
MAXIMUM Y	:	.767	.768	.758
MINIMUM Y	:	-.678	-.677	-.687
CENTROID X	:	-.018	.197	-.017
CENTROID Y	:	-.111	-.112	-.102
POA TO CENTROID in.	:	.112	.227	.103
MIN RADIUS	:	.524	.500	.515
MEAN RADIUS	:	1.157	1.061	.963
MAX RADIUS	:	1.929	1.713	1.712
HORIZONTAL SPREAD	:	3.855	3.228	2.871
VERTICAL SPREAD	:	1.445	1.445	1.445
EXTREME SPREAD	:	3.856	3.246	2.882
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587652

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 7

HS= 2.413

VS= 4.262

GS= 4.270

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.639	1.624	1.639
MINIMUM X	-.774	-.789	-.774
MAXIMUM Y	2.031	1.783	1.109
MINIMUM Y	-2.231	-.970	-.747
CENTROID X	-.398	-.383	-.398
CENTROID Y	-.153	.095	-.128
POA TO CENTROID in.	.427	.395	.418
MIN RADIUS	.649	.779	.658
MEAN RADIUS	1.229	1.116	1.004
MAX RADIUS	2.235	1.787	1.640
HORIZONTAL SPREAD	2.413	2.413	2.413
VERTICAL SPREAD	4.262	2.753	1.856
EXTREME SPREAD	4.270	2.805	2.432
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		