

06348815

MODEL 700™ N24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400038882

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Smead®

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSF Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00092899** Serial: **C6348815** Model: **M24 SWS** Center Fire
 Caliber: **7.62 NATO** Produced: **08/18/1999**

Repairman: Status: **Closed 2/10/2005 11:33:59 AM**

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **DEF DIST DEPOT ANNISTON** **DEF DIST DEPOT ANNISTON**

Address 1: Address 2: PO Box: PO Box:

City: **ANNISTON** **ANNISTON**

State: **AL** Zip Code: **36201 4199** Country: **US** State: **AL** Zip Code: **36201 4199** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Good Condition Notes: CSF Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Reer Sgt Base	1

Repair Search Refresh Close

neglet 2/14/2005 9:22 AM CAPS INUM INS SCPL

start 5 2 4

Serial Number: **C6348815**

Model: **M24 SWS**



RE00092899

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348815.___0
FILE DATE AND TIME: 06/30/2005 09:15

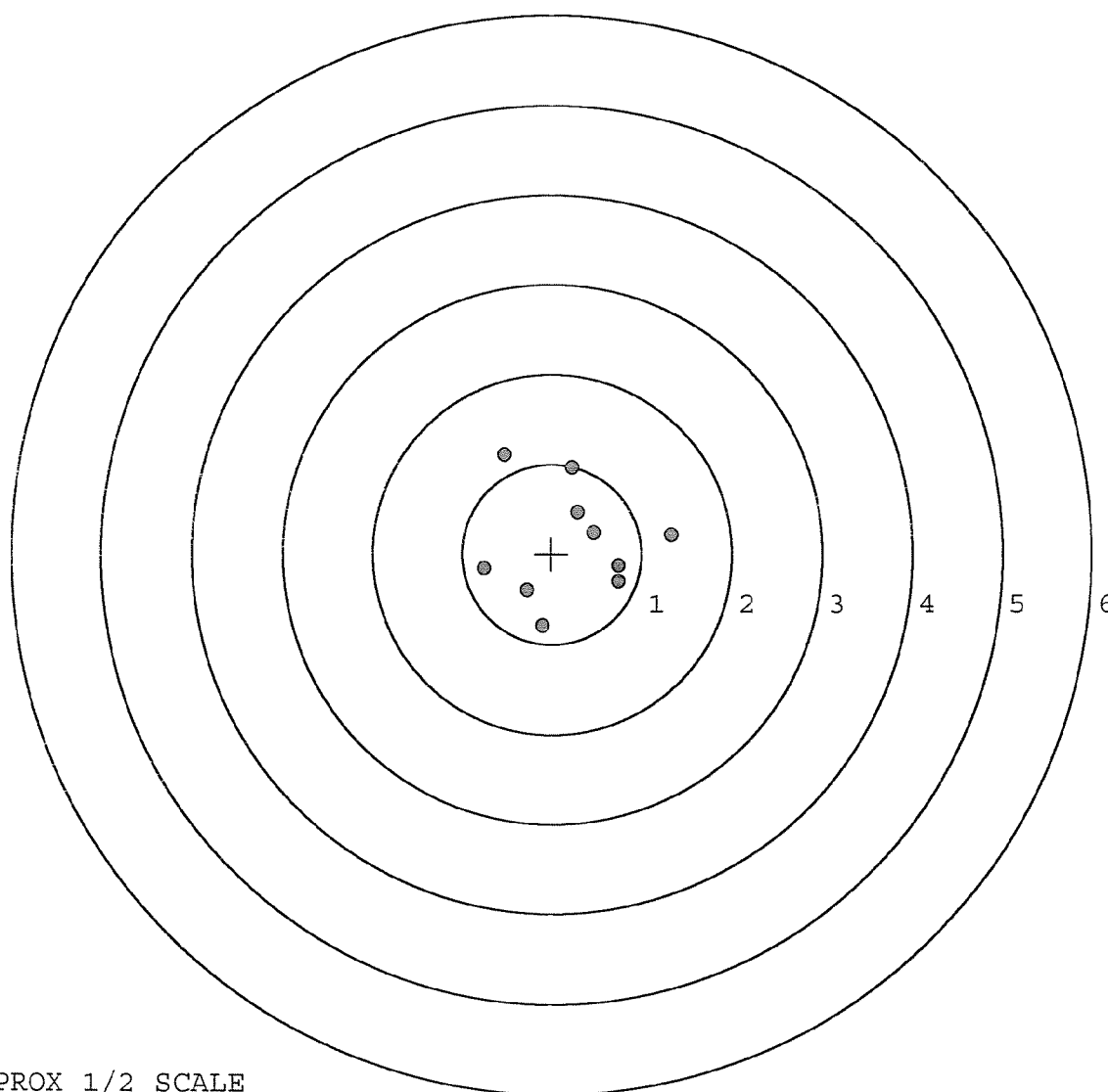
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.153
The Average Y Centroid of the Five Target Set:	0.032
The Average Point of Impact of the Five Target Set:	0.157
The Average Mean Radius of the Five Target Set:	0.866
The Distance from POA to Centroid Target #1:	0.242
The Distance from Centroid Target #2 to Centroid Target #1:	0.503
The Distance from Centroid Target #3 to Centroid Target #1:	0.248
The Distance from Centroid Target #4 to Centroid Target #1:	0.069
The Distance from Centroid Target #5 to Centroid Target #1:	0.336

SERIAL NUMBER: C6348815.____0
TARGET NUMBER: 1
FILE DATE: 06/30/2005
FILE TIME: 09:15

X CENTROID: 0.213
Y CENTROID: 0.115
POA TO CENTROID: 0.242
HORZ SPREAD: 2.087
VERT SPREAD: 1.912
GROUP SPREAD: 2.058
MIN RADIUS: 0.280
MAX RADIUS: 1.237
MEAN RADIUS: 0.781
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.746	-0.135
2:	0.742	-0.307
3:	0.467	0.234
4:	0.289	0.464
5:	0.230	0.960
6:	-0.528	1.106
7:	-0.759	-0.171
8:	-0.278	-0.408
9:	-0.104	-0.806
10:	1.328	0.216

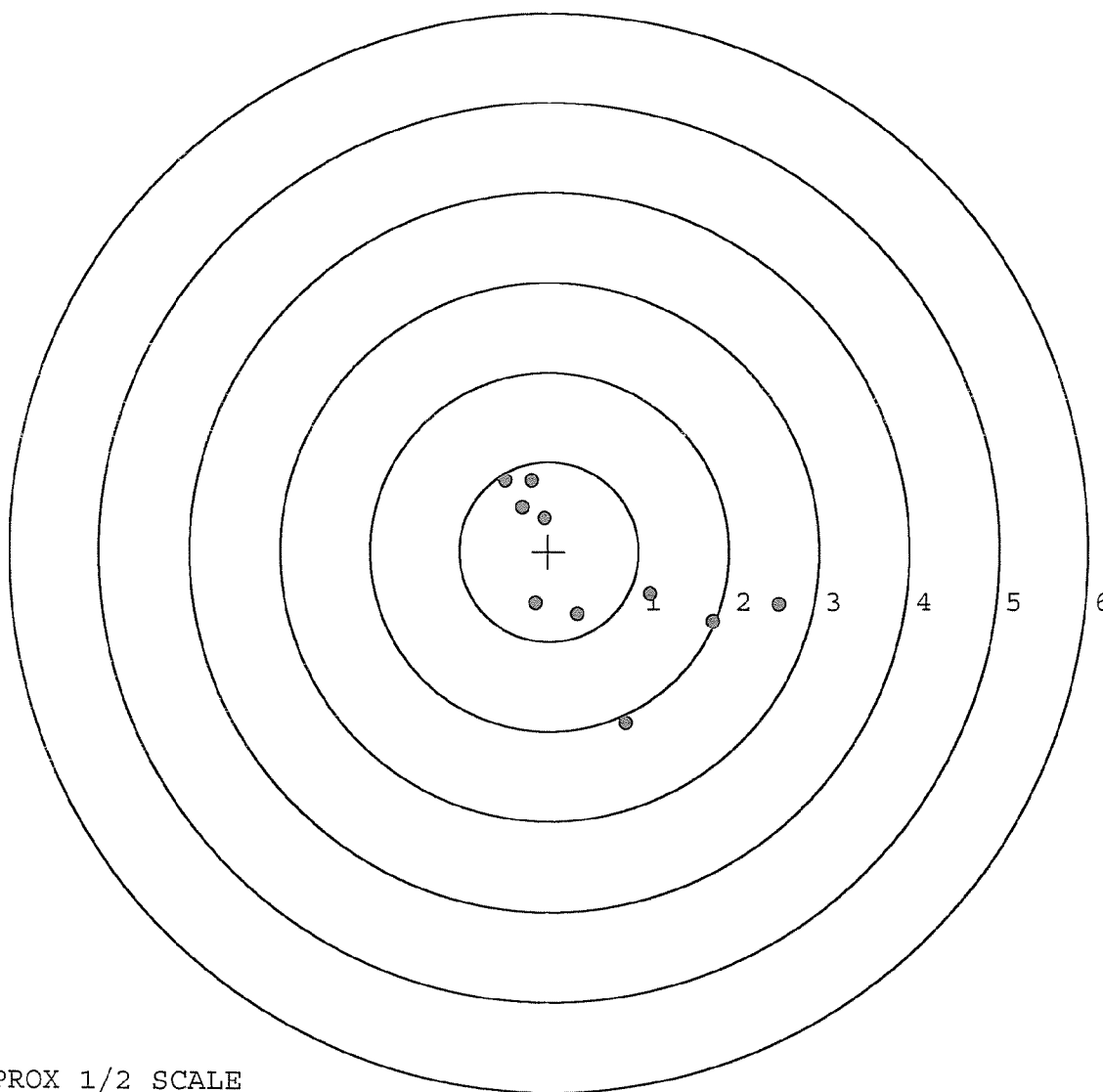


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348815. __0
TARGET NUMBER: 2
FILE DATE: 06/30/2005
FILE TIME: 09:15

X CENTROID: 0.551
Y CENTROID: -0.258
POA TO CENTROID: 0.608
HORZ SPREAD: 3.036
VERT SPREAD: 2.701
GROUP SPREAD: 3.334
MIN RADIUS: 0.493
MAX RADIUS: 2.025
MEAN RADIUS: 1.173
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	2.549	-0.586
2:	1.826	-0.779
3:	1.129	-0.472
4:	0.325	-0.696
5:	-0.153	-0.577
6:	0.863	-1.909
7:	-0.197	0.791
8:	-0.487	0.792
9:	-0.297	0.487
10:	-0.053	0.369



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348815.___0

TARGET NUMBER: 3

FILE DATE: 06/30/2005

FILE TIME: 09:15

X CENTROID: -0.030

Y CENTROID: 0.161

POA TO CENTROID: 0.164

HORZ SPREAD: 1.854

VERT SPREAD: 2.392

GROUP SPREAD: 2.839

MIN RADIUS: 0.363

MAX RADIUS: 1.621

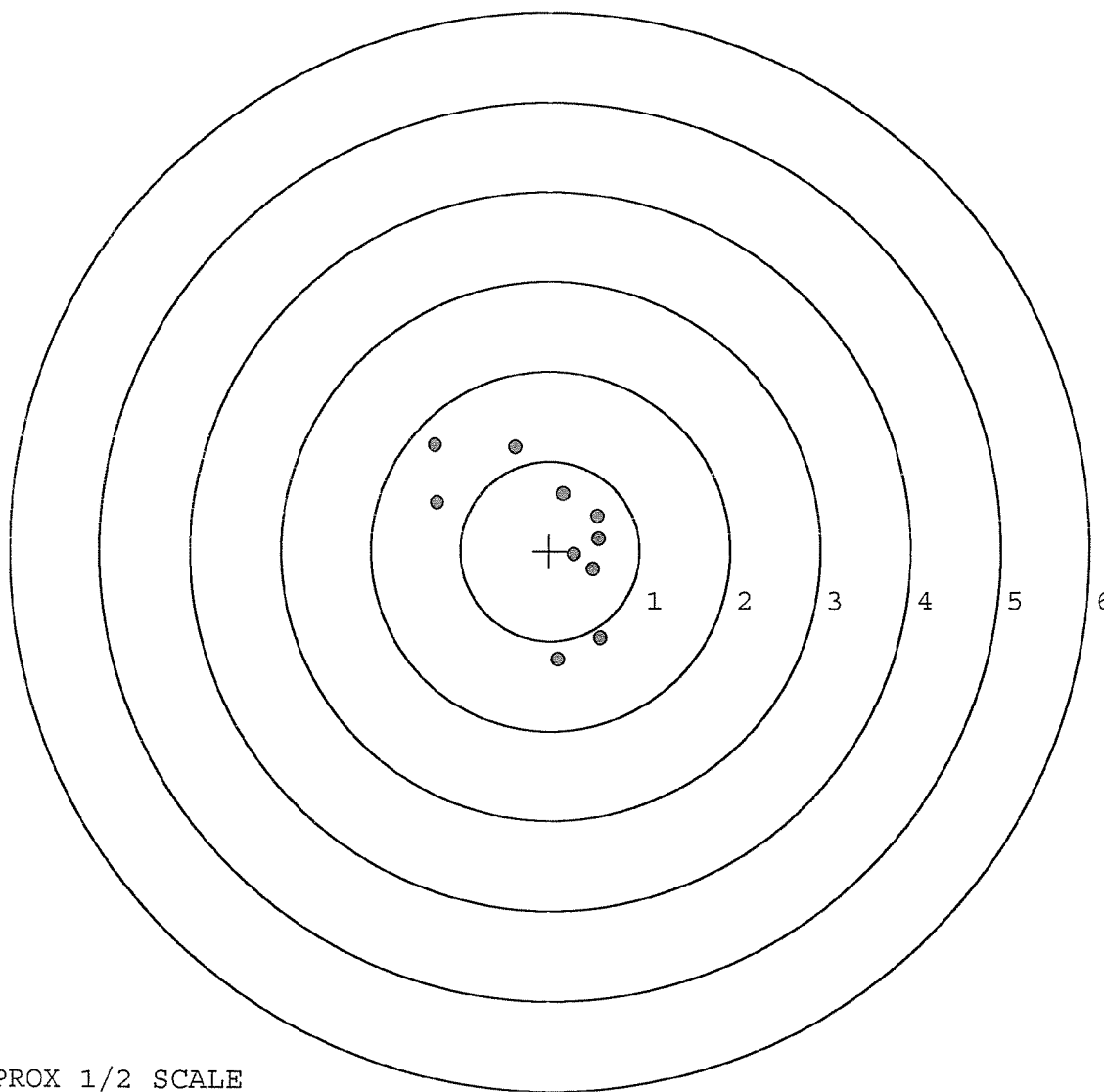
MEAN RADIUS: 0.931

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.563	-0.970
2:	0.094	-1.212
3:	0.485	-0.208
4:	0.270	-0.043
5:	0.546	0.140
6:	0.533	0.391
7:	0.152	0.637
8:	-0.392	1.154
9:	-1.291	1.180
10:	-1.263	0.539

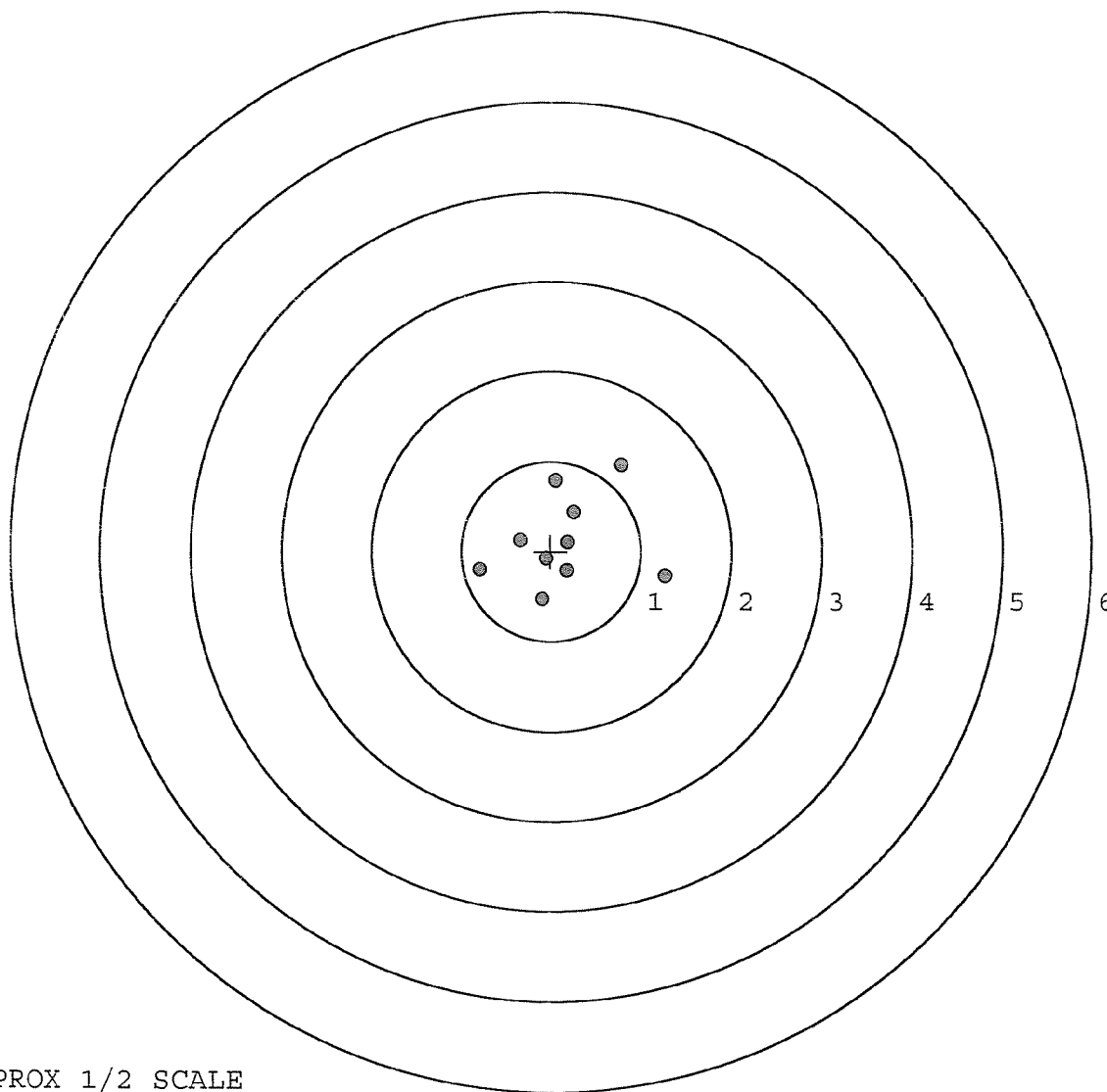


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348815. __0
TARGET NUMBER: 4
FILE DATE: 06/30/2005
FILE TIME: 09:15

X CENTROID: 0.145
Y CENTROID: 0.111
POA TO CENTROID: 0.182
HORZ SPREAD: 2.071
VERT SPREAD: 1.501
GROUP SPREAD: 2.072
MIN RADIUS: 0.049
MAX RADIUS: 1.191
MEAN RADIUS: 0.612
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.273	-0.270
2:	0.782	0.964
3:	0.058	0.792
4:	0.255	0.439
5:	0.193	0.104
6:	-0.099	-0.537
7:	-0.798	-0.208
8:	0.183	-0.215
9:	-0.057	-0.084
10:	-0.343	0.122

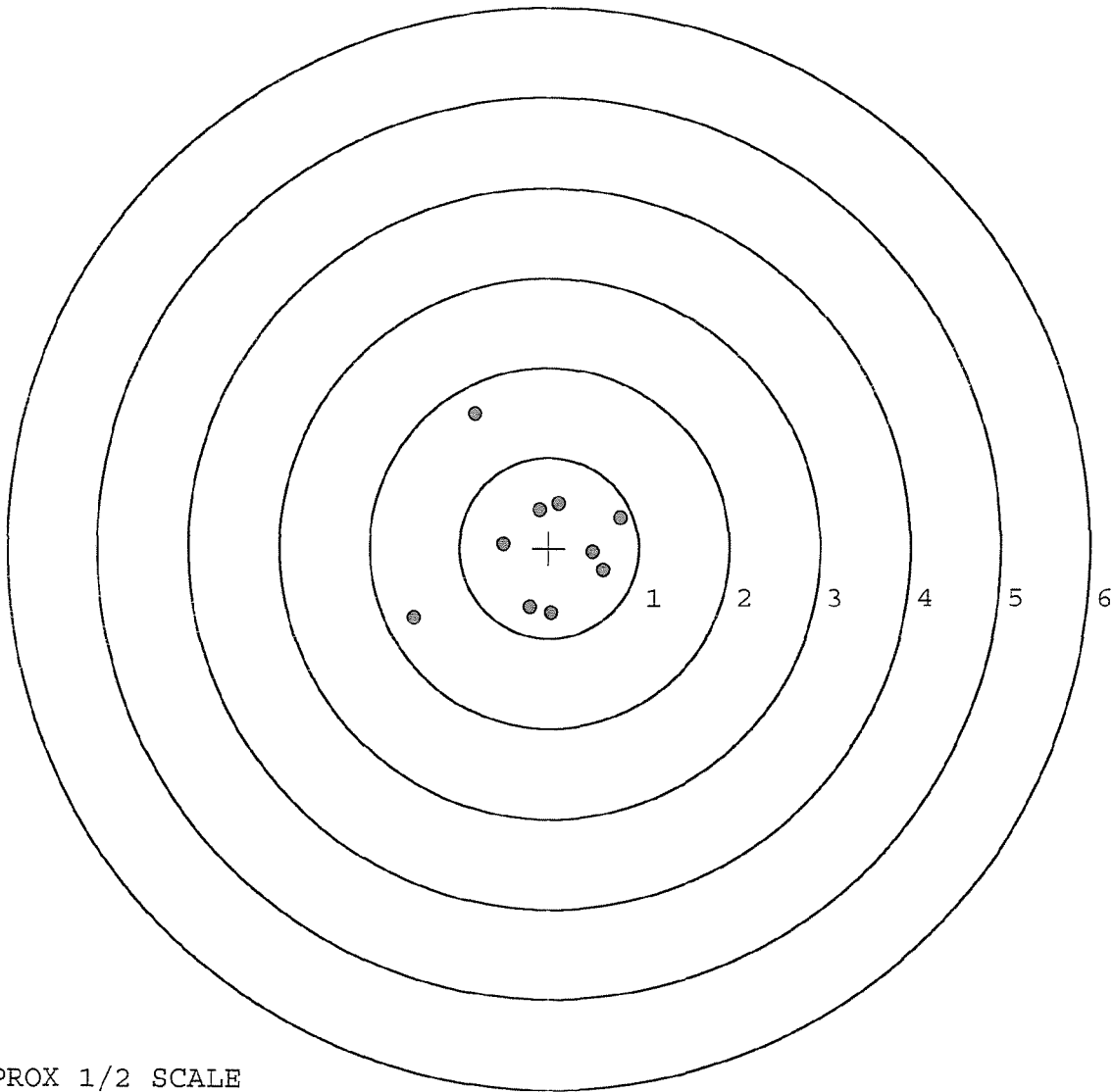


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348815. __0
TARGET NUMBER: 5
FILE DATE: 06/30/2005
FILE TIME: 09:15

X CENTROID: -0.112
Y CENTROID: 0.031
POA TO CENTROID: 0.116
HORZ SPREAD: 2.310
VERT SPREAD: 2.259
GROUP SPREAD: 2.565
MIN RADIUS: 0.395
MAX RADIUS: 1.617
MEAN RADIUS: 0.834
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.800	0.335
2:	0.028	-0.722
3:	-0.210	-0.664
4:	-1.510	-0.781
5:	-0.510	0.044
6:	-0.824	1.478
7:	-0.100	0.426
8:	0.119	0.496
9:	0.483	-0.047
10:	0.603	-0.252



TARGET APPROX 1/2 SCALE

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

R. & E NUMBER	92899		
SERIAL NUMBER	C6348815		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-27-05	RTL
560 A	RE-BARREL	6-6-05	RTL
B	DRILL AND TAP	6-8-05	TRW
575	ASSEMBLE	6-6-05	RTL
600	PROOF	6-7-05	AC
605	CHECK HEADSPACE	6-7-05	AC
610	DIS-ASSEMBLE GUN	6-7-05	RTL
612	MAGNAFLUX	6/9/05	unl
615	ROLLMARK CALIBER	6-9-05	CW
618	ROTO-BLAST	6-10-05	LB
620	APPLY COATINGS	6-13-05	W
625 A	FINAL ASSEMBLY	6-29-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	7-13-05	AC
D	SAFETY "OFF" FORCE	7-13-05	AC
E	FIRING PIN INDENT	7-13-05	AC
640	TARGET	6-30-05	TRW
655	FINAL INSPECT	7-13-05	AC
660	PACK	9-6-05	AA
		SHIP DATE	
		QAR INSPECTION DATE	




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

MODEL 700TM H24

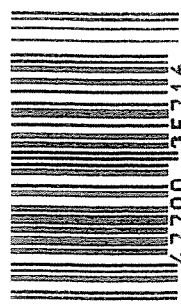
SERIAL NO. C6348815

ORDER NO. 5716

RES. U.S. PAT. & TM. OFF.

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

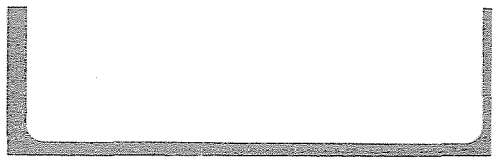
UPC



0 47700 25716 7



5716 C6348815



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348815

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 11	89	RW
600	Proof	8 11	89	RW
607	Check Headspace	8 11	89	RW
610	Dis-assemble Gun	8 --	89	RW
612	Magnaflux Barrel Action		8/15/89	KCR
	Magnaflux Bolt		8/15/89	KCR
615	Rollmark Caliber		8/15/89	ES
7	Drill and Tap Sight Holes	8 16	89	
618	Polish Barrel RB	8 16	89	
620	Apply Coatings (Barrel Action)		8-19-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/21/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/21/89	RW
	C) Inspect Ejector Hole for Chamfer		8/21/89	RW
	D) Oil Firing Pin Ass'y		8/21/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/23/89	JY

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	6	5			23 Aug 89	JS
	G) Safety Off Force	4	3	3			23 Aug 89	JS
	H) Trigger Pull Test & Retainability						23 Aug 89	JS
	I) Firing Pin Indent	.021	.022	.0215			23 Aug 89	JS
	J) Assemble Stock						8/24/89	RW
	K) Assemble Swivel Studs						25 Aug 89	JS
	L) Attach Front and Rear Sight Assemblies						8/24/89	RW
	M) Iron Sight Alignment						8/24/89	RW
	N) Detach Front & Rear Sights & place in numbered container						8/24/89	RW
	O) Attach Scope to Rifle						23 Aug 89	JS
	P) Detach & Attach Scope 20 Times						23 Aug 89	JS
640	Gallery Target & Test	76 R	74 L				8-24-89	AC
	A) Time						8-24-89	AC
	B) Malfunctions						8-24-89	AC
	C) Pierced Primers						8-24-89	AC
	D) Optical Clarity of Scope						8-24-89	AC
645	Inspect for Live Ammo						8-24-89	AC
655	Final Inspection							
	A) Headspace						25 Aug 89	JS
	B) Trigger Pull	2.33	2.51	2.46	2.53	2.43	25 Aug 89	JS
	C) Function						25 Aug 89	JS
660	Pack						20 Sep 89	JS

SWS TRIGGER PULL TEST

8815

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6348845

DATE 31 July 89

TESTER J.M.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.00	2.47	2.53	2.07	MIN. SETTING,
PULL #2	2.35	2.41	2.58	2.42	NO AVG. OF 5
PULL #3	2.60	2.39	2.49	2.52	READINGS ACCEPT-
PULL #4	2.52	2.46	2.45	2.58	ABLE LESS THAN 2#
PULL #5	2.36	2.45	2.31	2.49	
TOTAL	11.83	12.18	12.36	12.07	
AVG.	2.366	2.436	2.472	2.414	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.05	3.12		
PULL #2	2.98	3.15		
PULL #3	2.96	3.08		
PULL #4	3.09	3.07		
PULL #5	3.01	3.10		
TOTAL	15.09	15.52		
AVG.	3.018	3.104		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.53		4.30
PULL #2	4.25	4.53		4.30
PULL #3	4.36	4.41		4.41
PULL #4	4.35	4.39		4.38
PULL #5	4.33	4.40		4.35
TOTAL	21.64	22.26		21.74
AVG.	4.328	4.452		4.348

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348815
25 Aug 1989

CENTROIDAL DISTANCES

0 TO 1	.512228
1 TO 2	.594983
1 TO 3	.546937
1 TO 4	.474782
1 TO 5	.197436

$\bar{x} = \frac{\sum x_i}{n}$ FOR

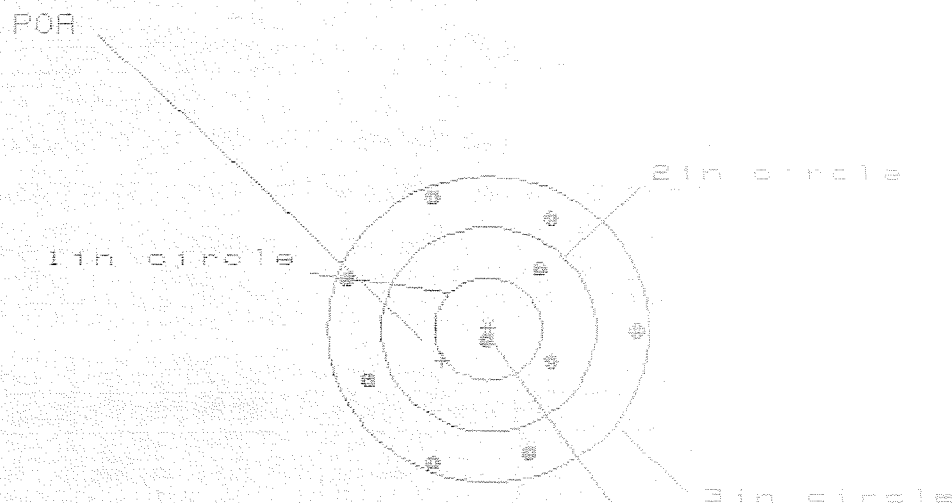
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4452
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0438
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .447349
THE AMR FOR THIS RIFLE IS: 1.033

25 Aug 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06345015

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 10

HS= 2.677

VS= 2.626

GS= 2.732

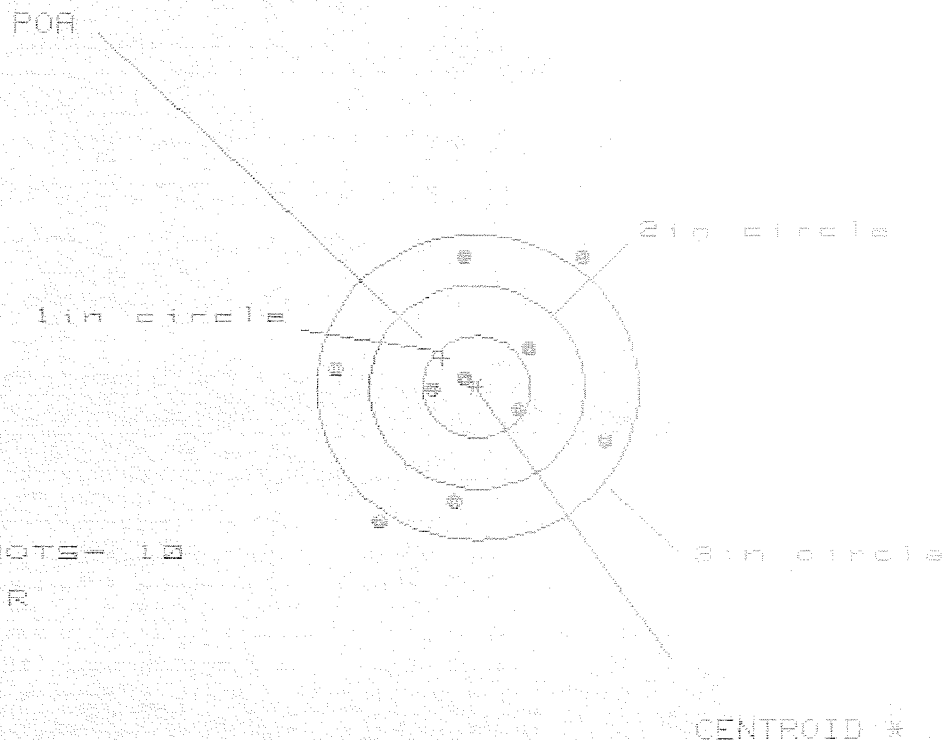
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.401	1.340	1.272
MINIMUM X	:	-1.276	-1.337	-1.405
MAXIMUM Y	:	1.321	1.176	1.069
MINIMUM Y	:	-1.305	-1.395	-1.248
CENTROID X	:	.417	.479	.547
CENTROID Y	:	.306	.451	.304
POA TO CENTROID in.	:	.518	.658	.626
MIN RADIUS	:	.101	.243	.136
MEAN RADIUS	:	1.093	1.052	.997
MAX RADIUS	:	1.419	1.429	1.507
HORIZONTAL SPREAD	:	2.677	2.677	2.677
VERTICAL SPREAD	:	2.626	2.571	2.317
EXTREME SPREAD	:	2.732	2.732	2.732
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		10	

25 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C834B815

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 4

3 in = 8

HS= 2.437

VS= 2.633

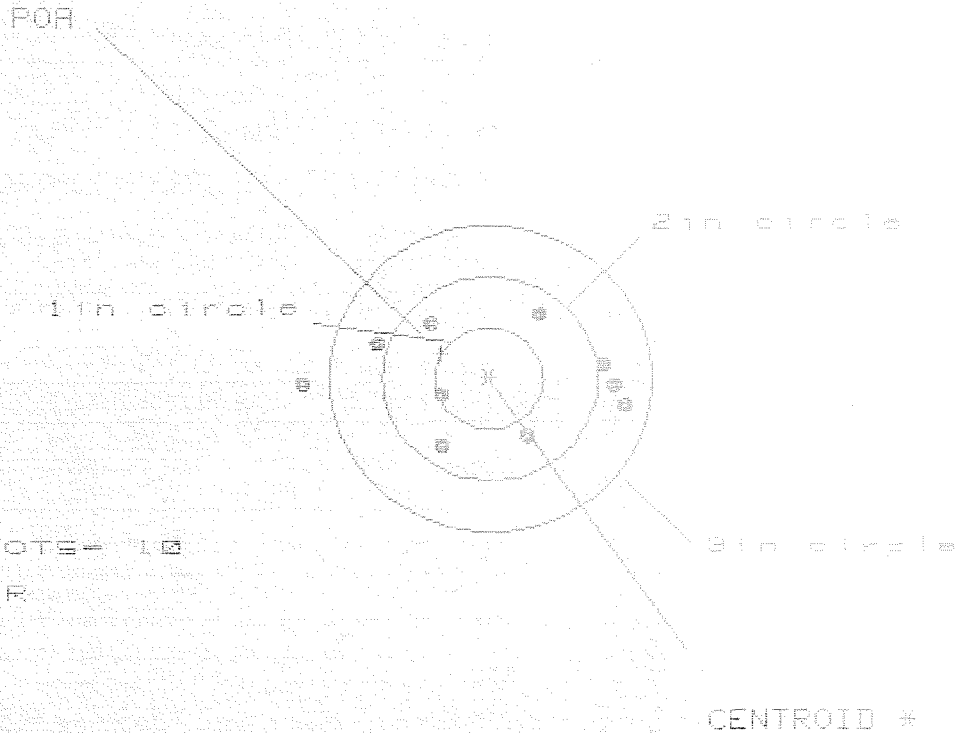
GS= 3.234

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.171	1.283	1.187
MINIMUM X	:	-1.326	-1.214	-1.310
MAXIMUM Y	:	1.323	1.393	1.243
MINIMUM Y	:	-1.310	-1.163	-1.071
CENTROID X	:	.314	.202	.298
CENTROID Y	:	-.280	-.427	-.282
POA TO CENTROID in.	:	.421	.472	.410
MIN RADIUS	:	.164	.242	.152
MEAN RADIUS	:	.978	.899	.817
MAX RADIUS	:	1.661	1.393	1.317
HORIZONTAL SPREAD	:	2.497	2.497	2.497
VERTICAL SPREAD	:	2.633	2.556	2.310
EXTREME SPREAD	:	3.234	2.664	2.579
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

25 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/05340&15

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.937

VS= 1.333

GS= 2.940

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.203	1.010	1.068
MINIMUM X	:	-1.734	-1.213	-1.087
MAXIMUM Y	:	.658	.648	.618
MINIMUM Y	:	-.675	-.685	-.715
CENTROID X	:	.449	.642	.516
CENTROID Y	:	-.240	-.230	-.200
POA TO CENTROID in.	:	.510	.682	.553
MIN RADIUS	:	.450	.619	.526
MEAN RADIUS	:	.982	.887	.860
MAX RADIUS	:	1.737	1.268	1.139
HORIZONTAL SPREAD	:	2.937	2.223	2.155
VERTICAL SPREAD	:	1.333	1.333	1.333
EXTREME SPREAD	:	2.940	2.304	2.192
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

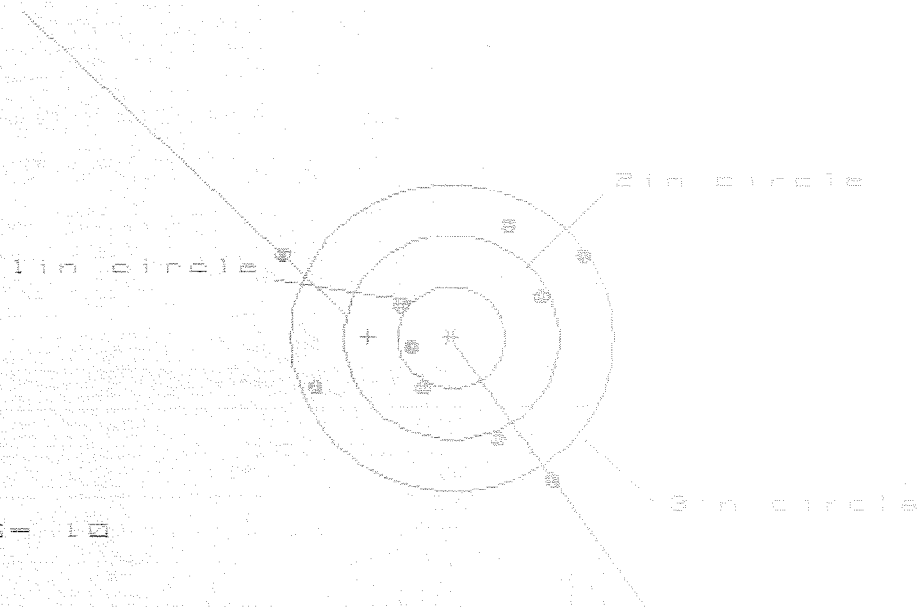
25 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348815

CENTERFIRE PATTERNS

4

POA



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS= 2.869

VS= 2.477

GS= 3.356

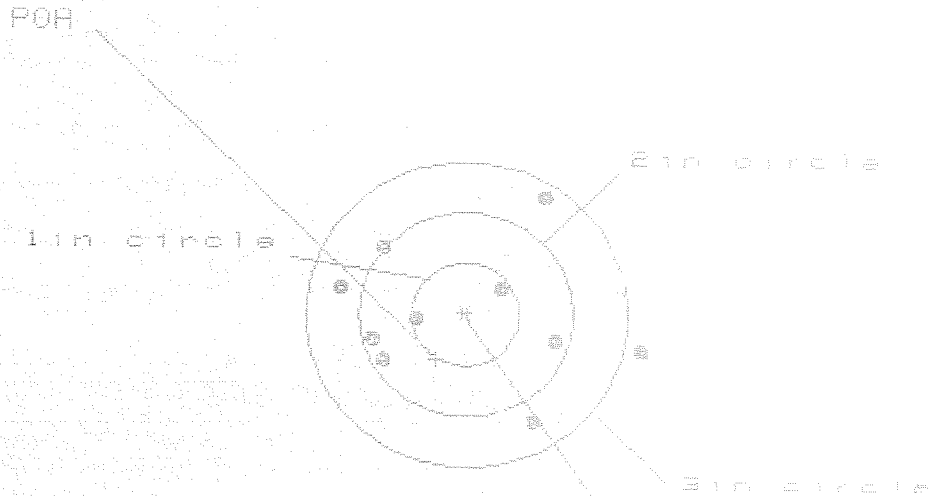
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.273	1.096	1.193
MINIMUM X	:	-1.596	-1.496	-1.399
MAXIMUM Y	:	1.126	1.218	1.061
MINIMUM Y	:	-1.351	-1.259	-1.073
CENTROID X	:	.774	.951	.854
CENTROID Y	:	-.007	-.099	.058
POA TO CENTROID in.	:	.774	.956	.856
MIN RADIUS	:	.431	.596	.526
MEAN RADIUS	:	1.125	1.054	.983
MAX RADIUS	:	1.799	1.538	1.491
HORIZONTAL SPREAD	:	2.869	2.592	2.592
VERTICAL SPREAD	:	2.477	2.477	2.139
EXTREME SPREAD	:	3.356	2.875	2.875
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

25 Aug 1989

FILE: PATTERNING/CENTERFIRE_PATT/C8348819

CENTERFIRE PATTERNS # 5



* OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.763

VS= 2.205

GS= 2.811

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.591	.965	1.078
MINIMUM X	:	-1.172	-.995	-.892
MAXIMUM Y	:	1.169	1.136	.724
MINIMUM Y	:	-1.036	-1.069	-.927
CENTROID X	:	.272	.095	-.018
CENTROID Y	:	.440	.473	.331
POB TO CENTROID in.	:	.517	.483	.332
MIN RADIUS	:	.384	.314	.221
MEAN RADIUS	:	.989	.888	.790
MAX RADIUS	:	1.519	1.452	1.336
HORIZONTAL SPREAD	:	2.763	1.960	1.960
VERTICAL SPREAD	:	2.205	2.205	1.651
EXTREME SPREAD	:	2.811	2.231	2.231
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	