

C6498808

77

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Status: Closed 7/31/2006 2:02:04 PM

Received From

USPFO FOR COLORADO

1181 KILMER STREET

PO Box:

GOLDEN

Zip Code: 80401

Country: US

State: CO

Zip Code: 80401

Country: US

FFL:

Shipping / Billing

☐ Accessories Received

☐ Fair

Fax:

Email:

Comments:

Condition
Notes:

CSR
Notes:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
B000	FRONT AND REAR E	1

Close

SCRL

Model: M24 SWS



RE00115160

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498808.__1
FILE DATE AND TIME: 08/15/2006 20:48

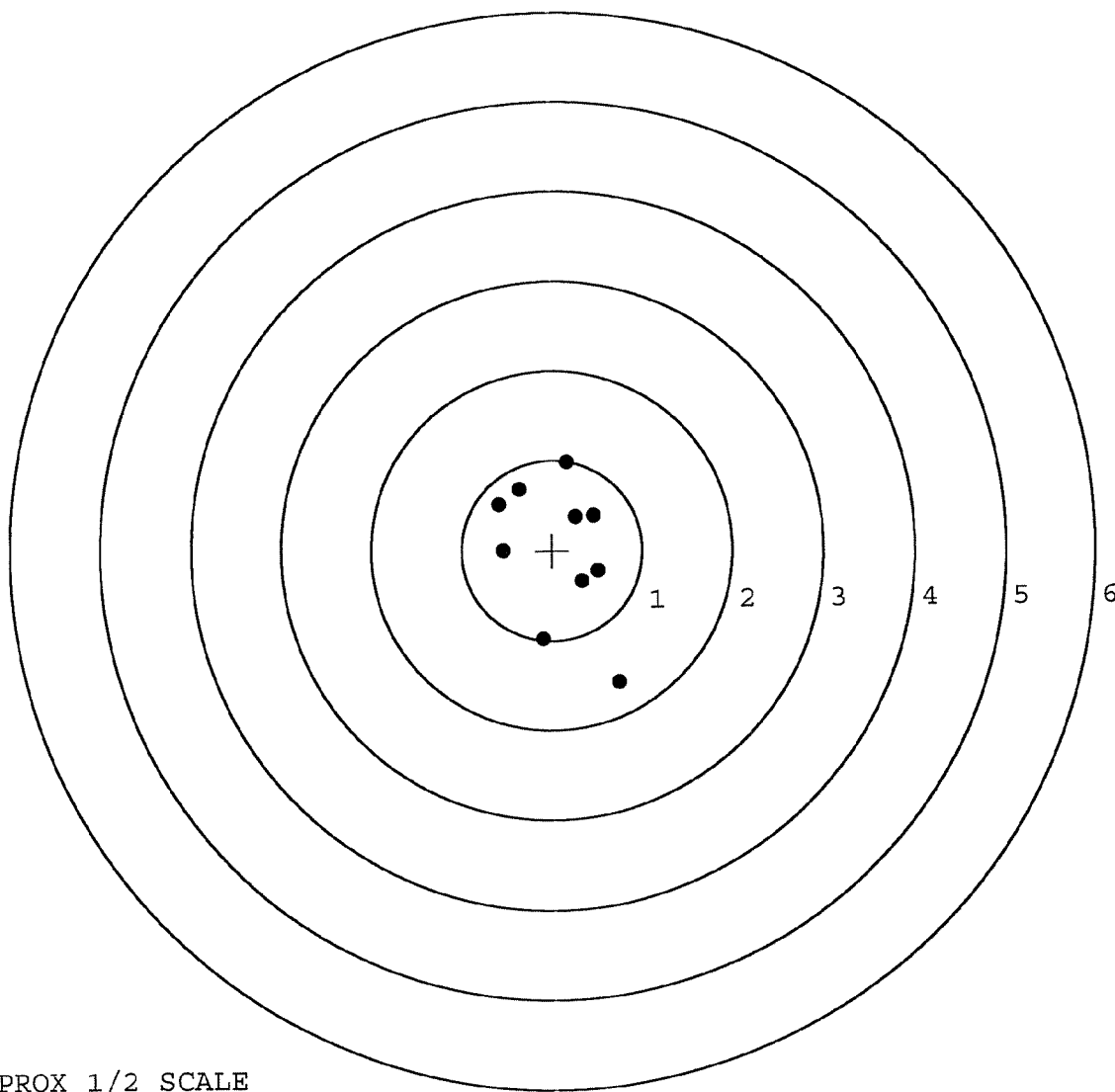
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.010
The Average Y Centroid of the Five Target Set:	-0.002
The Average Point of Impact of the Five Target Set:	0.010
The Average Mean Radius of the Five Target Set:	0.634
The Distance from POA to Centroid Target #1:	0.087
The Distance from Centroid Target #2 to Centroid Target #1:	0.174
The Distance from Centroid Target #3 to Centroid Target #1:	0.131
The Distance from Centroid Target #4 to Centroid Target #1:	0.178
The Distance from Centroid Target #5 to Centroid Target #1:	0.100

SERIAL NUMBER: C6498808. 1
TARGET NUMBER: 1
FILE DATE: 08/15/2006
FILE TIME: 20:48

X CENTROID: 0.086
Y CENTROID: -0.012
POA TO CENTROID: 0.087
HORZ SPREAD: 1.330
VERT SPREAD: 2.451
GROUP SPREAD: 2.515
MIN RADIUS: 0.409
MAX RADIUS: 1.603
MEAN RADIUS: 0.775
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.737	-1.477
2:	-0.111	-0.988
3:	0.328	-0.342
4:	0.512	-0.232
5:	0.463	0.386
6:	0.261	0.370
7:	0.172	0.974
8:	-0.365	0.676
9:	-0.593	0.508
10:	-0.541	0.001

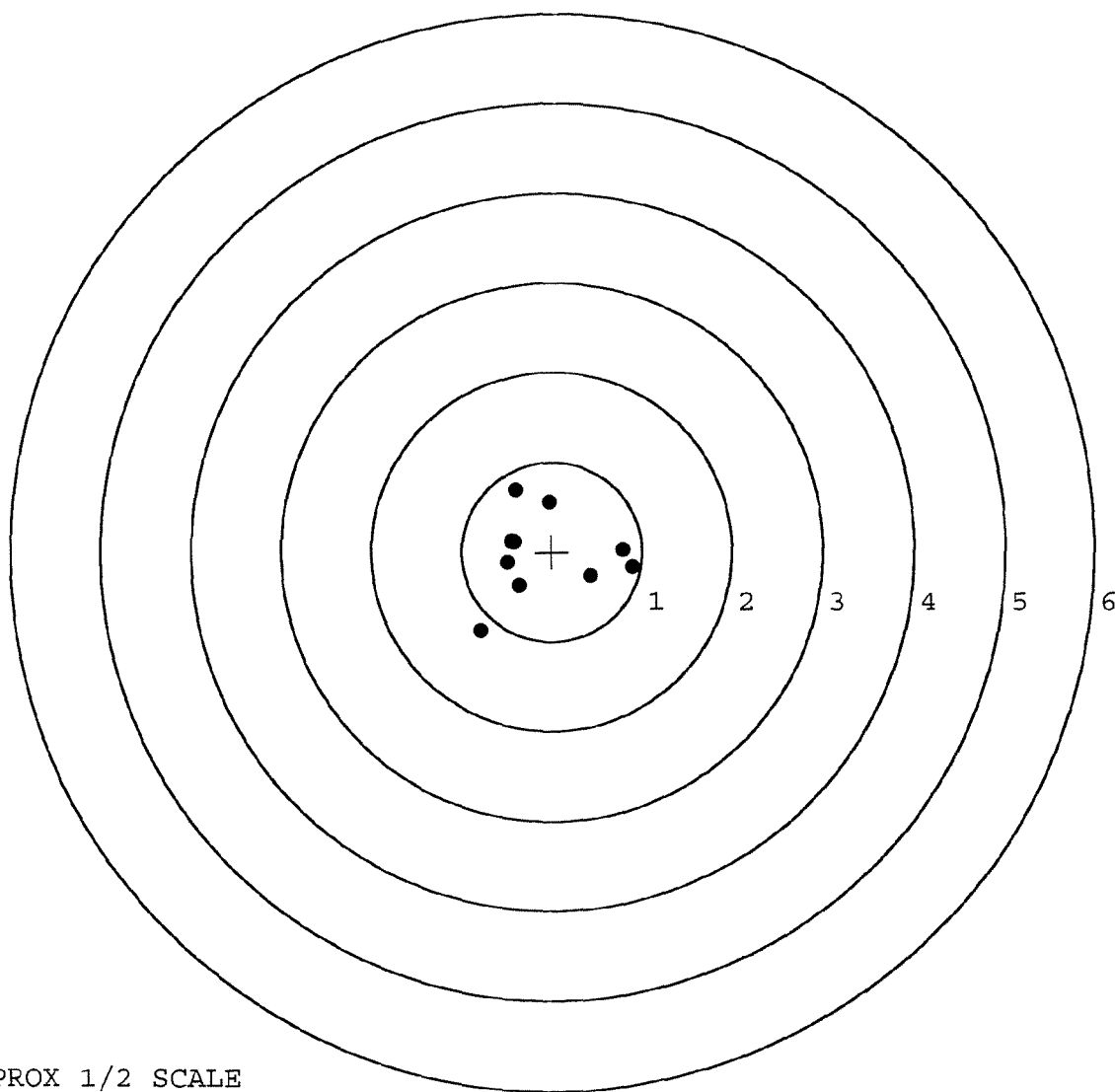


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498808. __1
TARGET NUMBER: 2
FILE DATE: 08/15/2006
FILE TIME: 20:48

X CENTROID: -0.086
Y CENTROID: -0.034
POA TO CENTROID: 0.093
HORZ SPREAD: 1.682
VERT SPREAD: 1.584
GROUP SPREAD: 1.831
MIN RADIUS: 0.370
MAX RADIUS: 1.106
MEAN RADIUS: 0.657
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.411	0.691
2:	-0.037	0.555
3:	-0.457	0.119
4:	-0.500	-0.120
5:	-0.365	-0.385
6:	-0.783	-0.893
7:	0.429	-0.273
8:	0.899	-0.169
9:	0.789	0.023
10:	-0.426	0.113

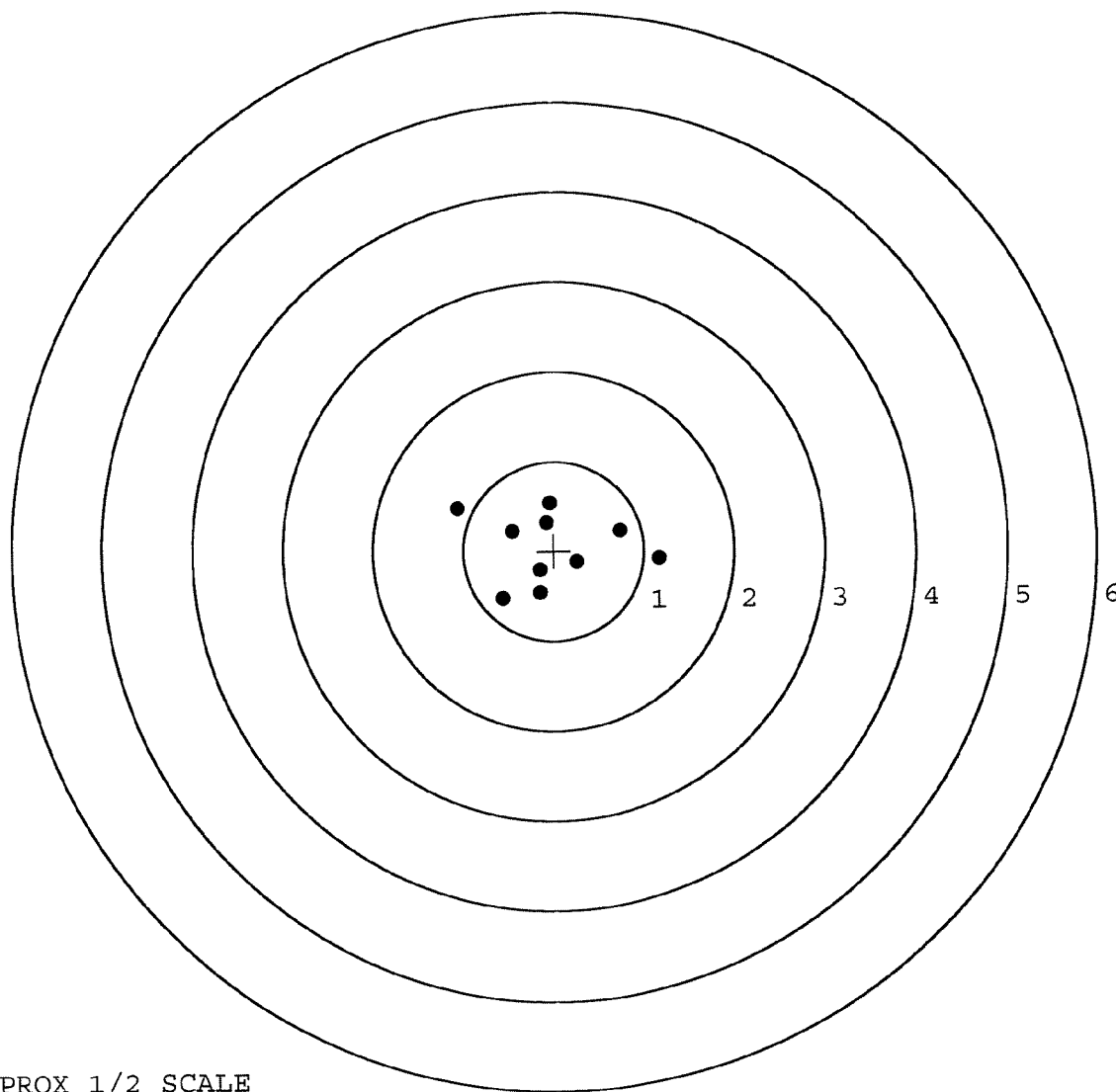


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498808. 1
TARGET NUMBER: 3
FILE DATE: 08/15/2006
FILE TIME: 20:48

X CENTROID: -0.037
Y CENTROID: 0.034
POA TO CENTROID: 0.050
HORZ SPREAD: 2.233
VERT SPREAD: 1.067
GROUP SPREAD: 2.307
MIN RADIUS: 0.280
MAX RADIUS: 1.217
MEAN RADIUS: 0.630
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.060	0.484
2:	-0.041	0.535
3:	-0.084	0.317
4:	-0.462	0.224
5:	0.739	0.225
6:	1.173	-0.097
7:	-0.570	-0.532
8:	-0.156	-0.219
9:	-0.158	-0.469
10:	0.254	-0.130

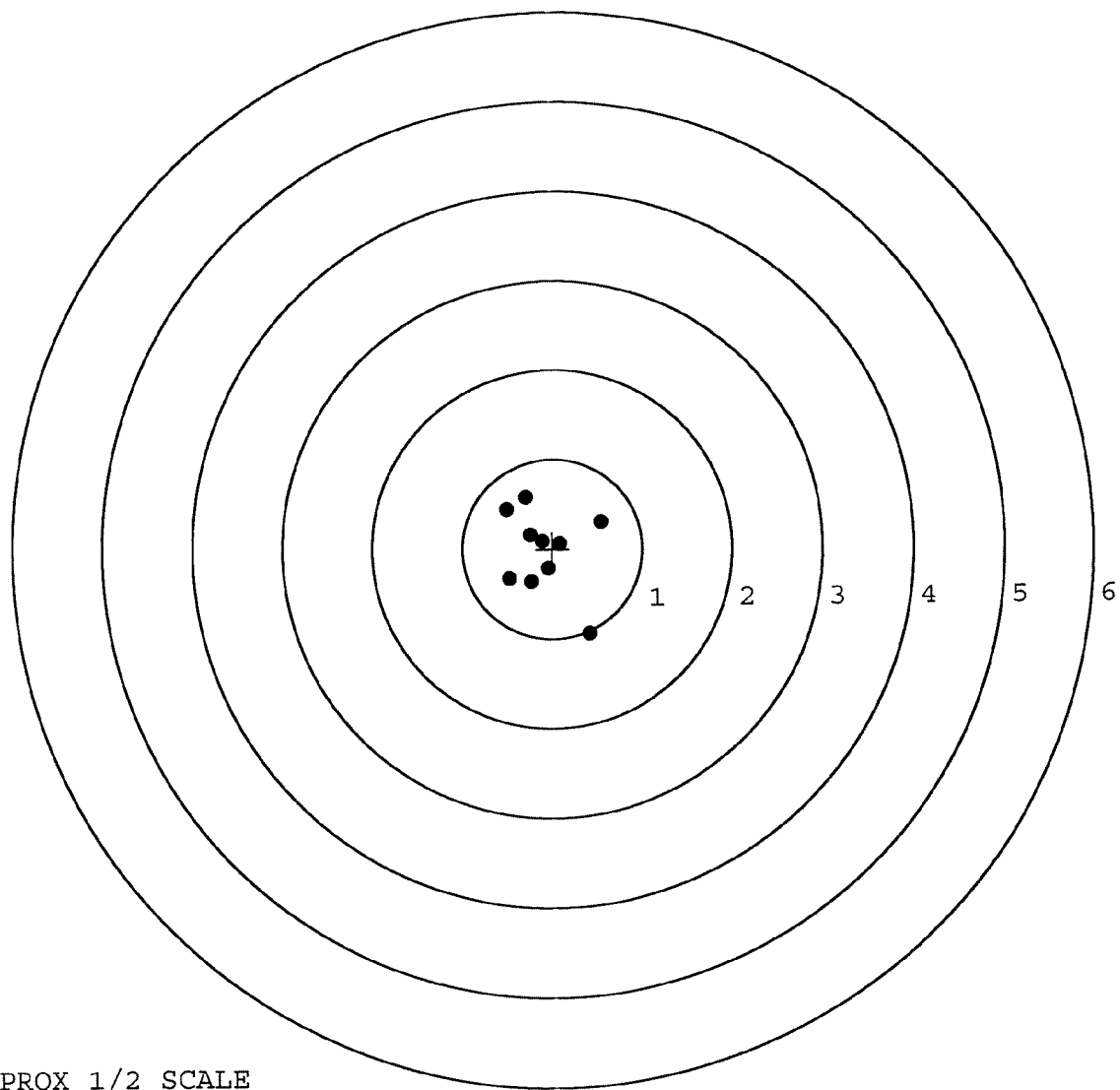


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498808. 1
TARGET NUMBER: 4
FILE DATE: 08/15/2006
FILE TIME: 20:48

X CENTROID: -0.091
Y CENTROID: -0.027
POA TO CENTROID: 0.095
HORZ SPREAD: 1.059
VERT SPREAD: 1.523
GROUP SPREAD: 1.679
MIN RADIUS: 0.113
MAX RADIUS: 1.049
MEAN RADIUS: 0.465
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

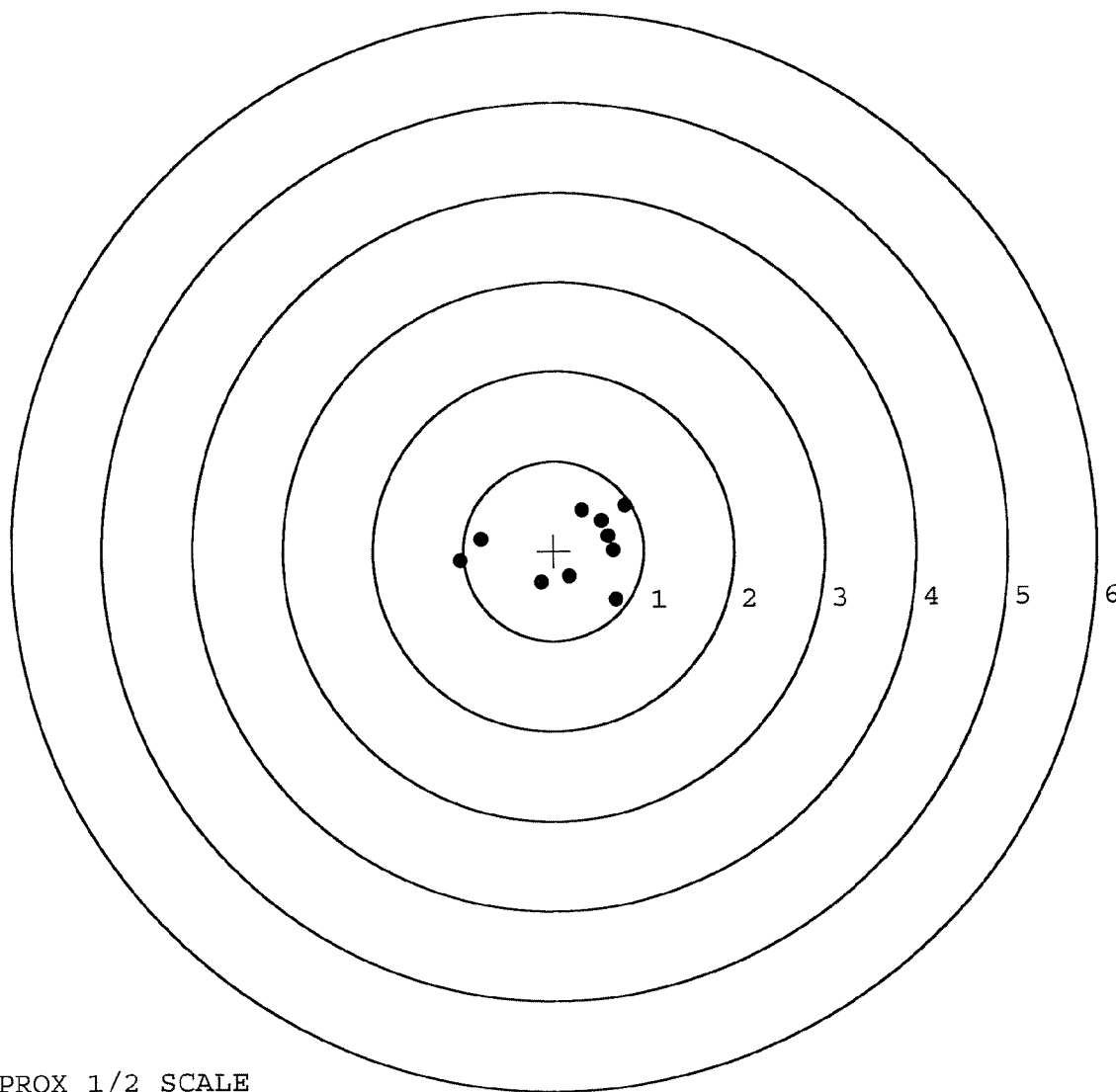
POINT#	X	Y
1:	0.546	0.294
2:	0.412	-0.947
3:	-0.295	0.576
4:	-0.513	0.440
5:	-0.485	-0.331
6:	-0.243	-0.370
7:	-0.051	-0.226
8:	-0.251	0.155
9:	0.083	0.055
10:	-0.117	0.083



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498808. __1
TARGET NUMBER: 5
FILE DATE: 08/15/2006
FILE TIME: 20:48

		POINT#	X	Y
X CENTROID:	0.177	1:	-0.801	0.138
Y CENTROID:	0.028	2:	-1.036	-0.110
POA TO CENTROID:	0.180	3:	0.685	-0.552
HORZ SPREAD:	1.824	4:	-0.142	-0.358
VERT SPREAD:	1.057	5:	0.171	-0.287
GROUP SPREAD:	1.925	6:	0.788	0.505
MIN RADIUS:	0.315	7:	0.319	0.455
MAX RADIUS:	1.221	8:	0.657	-0.006
MEAN RADIUS:	0.641	9:	0.603	0.162
# IN 1 IN DIAMETER:	5	10:	0.529	0.334
# 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

R & E NUMBER	115160		
SERIAL NUMBER	C6498808		
LOG-IN DATE	7-3-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-7-06	RT
505	RE-BARREL	8-8-06	RT
420	ASSEMBLE	8-8-06	RT
440	PROOF	MAGNA-FLUX INSPECTED 8-9-06	RLG
460	CHECK HEADSPACE	AUG 11 2006 8-9-06	RLG
470	DIS-ASSEMBLE GUN	8-9-06	RLG
480	MAGNAFLUX	OPERATOR APD 8-11-06	APD
510	DRILL AND TAP	8-10-06	TRL
500	ROLLMARK CALIBER	8-11-06	CW
520	GOFF BLAST BBL / REC	8-11-06	CB
530 & 540	APPLY COATINGS	8-13-06	TS
560	FINAL ASSEMBLY	8-15-06	RT
640	FUNCTION TEST AND	(PASS) FAIL 8-15-06	R.P.D.
650	TARGET	(PASS) FAIL 8-15-06	R.P.D.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	8-17-06	MTW
	A) HEADSPACE	(PASS) FAIL 8-17-06	MTW
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 2.81 2.89 2.83 2.88 2.84 8-16-06	RA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 4.0 4.0 4.0 8-16-06	RA
	G) SAFETY OFF FORCE	2 LBS MIN 2.0 2.0 2.0 8-16-06	RA
	I) FIRING PIN INDENT	.020 .024 .025 .024 8-16-06	RA
690	PACK	8-22-06	RA

F006 REV 5/2006

1. The first step is to identify the key components of the system. This involves understanding the hardware, software, and data involved in the process.

F006 REV 5/2006

Remington®



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

MODEL 700™ H24

SERIAL NO.

C6498808

ORDER NO.

5716

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

01



5716 C6498808

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400008133

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498808

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9 90		RW
600	Proof	5 9 90		RW
607	Check Headspace	5 9 90		RW
610	Dis-assemble Gun	5 9 90		RW
612	Magnaflux Barrel Action	5-15-90		KER
	Magnaflux Bolt	5-15-90		KER
615	Rollmark Caliber	5-15-90		BS
617	Drill and Tap Sight Holes		5/17/90	LB
618	Polish Barrel RB		5/17/90	WB
620	Apply Coatings (Barrel Action)		5-25-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6-4-90	SL

op. #	OP. NAME	READINGS			DATE	INIT	
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4	6/4/90	WB	
	G) Safety Off Force	2	2	2	6/4/90	WB	
	H) Trigger Pull Test & Retainability				6-4-90	JH	
	I) Firing Pin Indent	.024	.024	.024	6/4/90	WB	
	J) Assemble Stock				6/4/90	RW	
	K) Assemble Swivel Studs				6-6-90	JD	
	L) Attach Front and Rear Sight Assemblies				6/4/90	RW	
	M) Iron Sight Alignment				6/4/90	RW	
	N) Detach Front & Rear Sights & place in numbered container				6/4/90	RW	
	O) Attach Scope to Rifle				6/4/90	WB	
	P) Detach & Attach Scope 20 Times				6/4/90	WB	
640	Gallery Target & Test				6-5-90	AC	
	A) Time				6-5-90	AC	
	B) Malfunctions				6-5-90	AC	
	C) Pierced Primers				6-5-90	AC	
	D) Optical Clarity of Scope				6-5-90	AC	
645	Inspect for Live Ammo				6-5-90	AC	
655	Final Inspection				6-8-90	JD	
	A) Headspace				6-8-90	JD	
	B) Trigger Pull	247	264	262 264	278	6-6-90	JD
	C) Function				6-6-90	JD	
660	Pack				6-19-90	DH	

SWS TRIGGER PULL TEST

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

SERIAL NO. C6498808

DATE 6-4-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.35	2.40	2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.20	2.37	2.67	
PULL #3	2.34	2.22	2.32	2.62	
PULL #4	2.25	2.19	2.42	2.64	
PULL #5	2.33	2.12	2.35	2.78	
TOTAL	11.57	11.08	11.86		
AVG.	2.314	2.216	2.372		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.31		
PULL #2	3.31	3.38		
PULL #3	3.39	3.50		
PULL #4	3.31	3.42		
PULL #5	3.29	3.46		
TOTAL	16.41	17.07		
AVG.	3.282	3.414		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.18		4.29
PULL #2	4.50	4.27		4.26
PULL #3	4.49	4.10		4.51
PULL #4	4.52	4.36		4.27
PULL #5	4.48	4.25		4.41
TOTAL	22.38	21.16		21.74
AVG.	4.476	4.232		4.348

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498808
6 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.457621
1 TO	2	.395285
1 TO	3	.590893
1 TO	4	.58884
1 TO	5	.548731

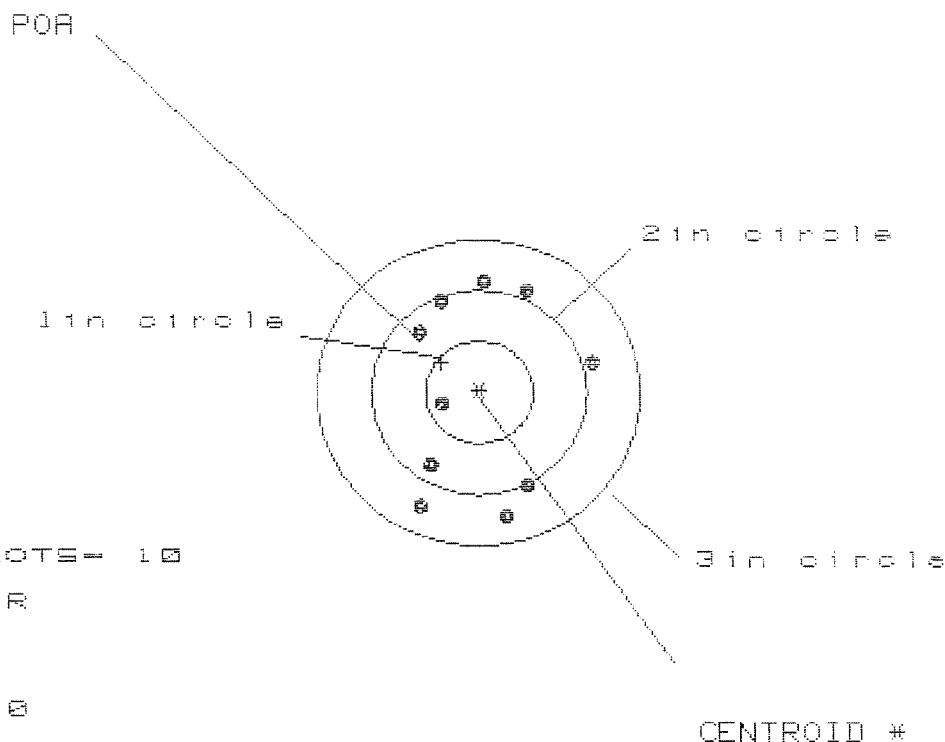
+ $\frac{5}{1}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5644
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .066
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .568246
THE AMR FOR THIS RIFLE IS: .8524

6 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498808

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 10

HS= 1.626

VS= 2.257

GS= 2.357

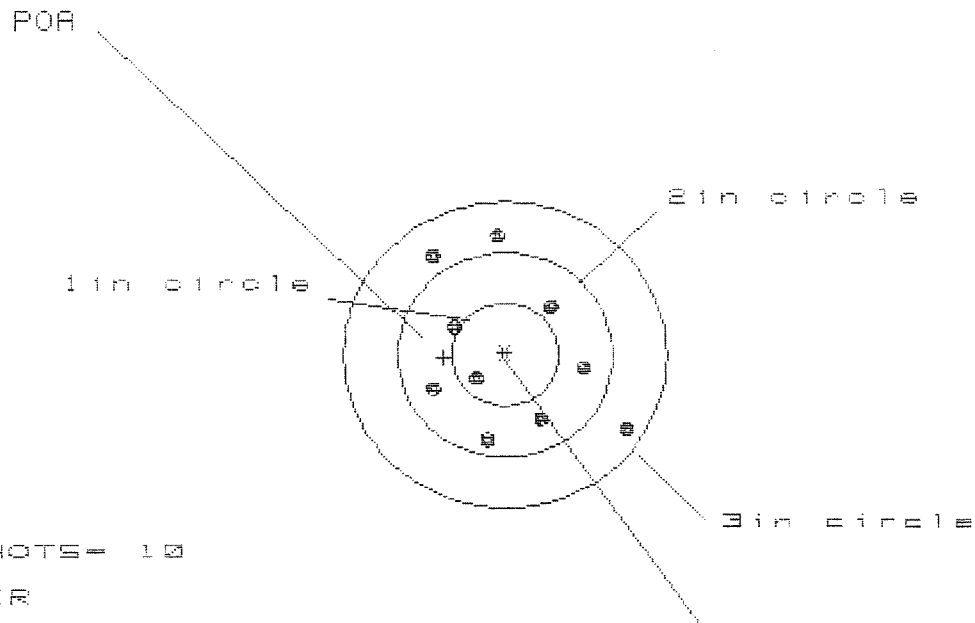
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.075	1.018	1.041
MINIMUM X	-.551	-.608	-.585
MAXIMUM Y	1.080	.954	.791
MINIMUM Y	-1.177	-1.303	-1.198
CENTROID X	.349	.406	.383
CENTROID Y	-.296	-.170	-.007
POA TO CENTROID in.	.458	.440	.333
MIN RADIUS	.371	.463	.535
MEAN RADIUS	.974	.940	.870
MAX RADIUS	1.241	1.315	1.254
HORIZONTAL SPREAD	1.626	1.626	1.626
VERTICAL SPREAD	2.257	2.257	1.989
EXTREME SPREAD	2.357	2.268	2.026
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	10		

6 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498888

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS = 1.837

VS = 2.051

GS = 2.508

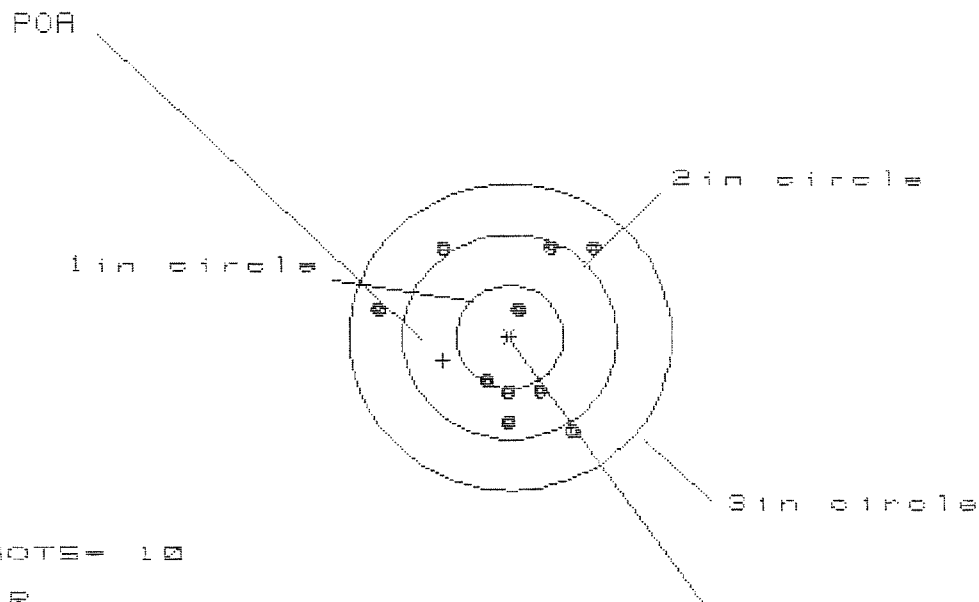
CENTROID *

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.114	.822	.751
MINIMUM X	-.723	-.599	-.670
MAXIMUM Y	1.188	1.107	1.224
MINIMUM Y	-.863	-.944	-.827
CENTROID X	.574	.450	.521
CENTROID Y	.029	.110	-.037
POA TO CENTROID in.	.575	.464	.521
MIN RADIUS	.368	.334	.304
MEAN RADIUS	.839	.774	.721
MAX RADIUS	1.331	1.107	1.226
HORIZONTAL SPREAD	1.837	1.421	1.421
VERTICAL SPREAD	2.051	2.051	2.051
EXTREME SPREAD	2.508	2.054	2.054
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

6 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498888

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 1.997

VS = 1.794

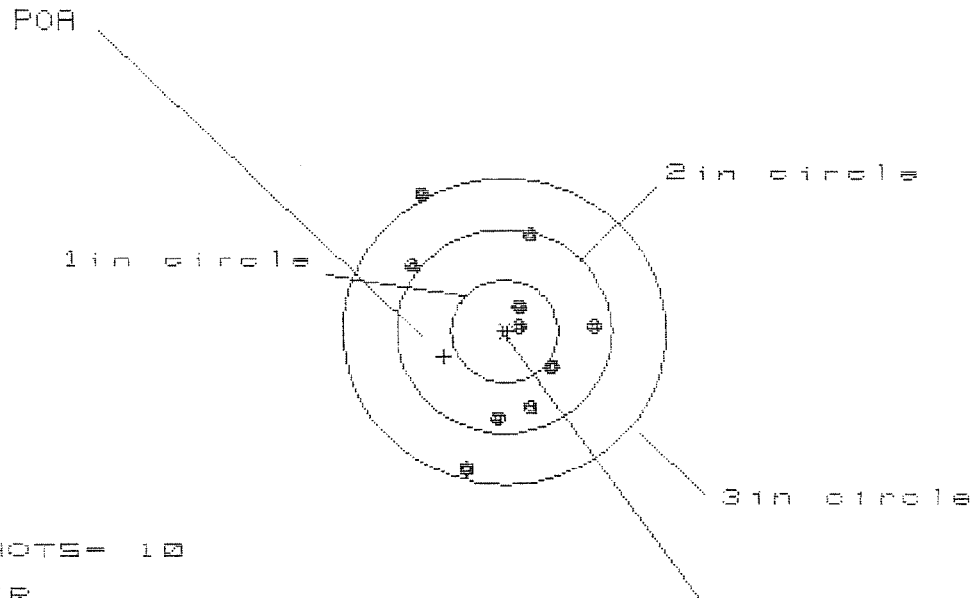
GS = 2.164

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.795	.662	.550
MINIMUM X	-1.202	-.753	-.670
MAXIMUM Y	.880	.911	1.001
MINIMUM Y	-.914	-.883	-.769
CENTROID X	.624	.757	.674
CENTROID Y	.227	.196	.082
POA TO CENTROID in.	.664	.782	.679
MIN RADIUS	.279	.324	.343
MEAN RADIUS	.806	.750	.672
MAX RADIUS	1.235	1.139	1.177
HORIZONTAL SPREAD	1.997	1.415	1.220
VERTICAL SPREAD	1.794	1.794	1.770
EXTREME SPREAD	2.164	2.123	2.123
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

6 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498888

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 1.659

VS= 2.717

GS= 2.748

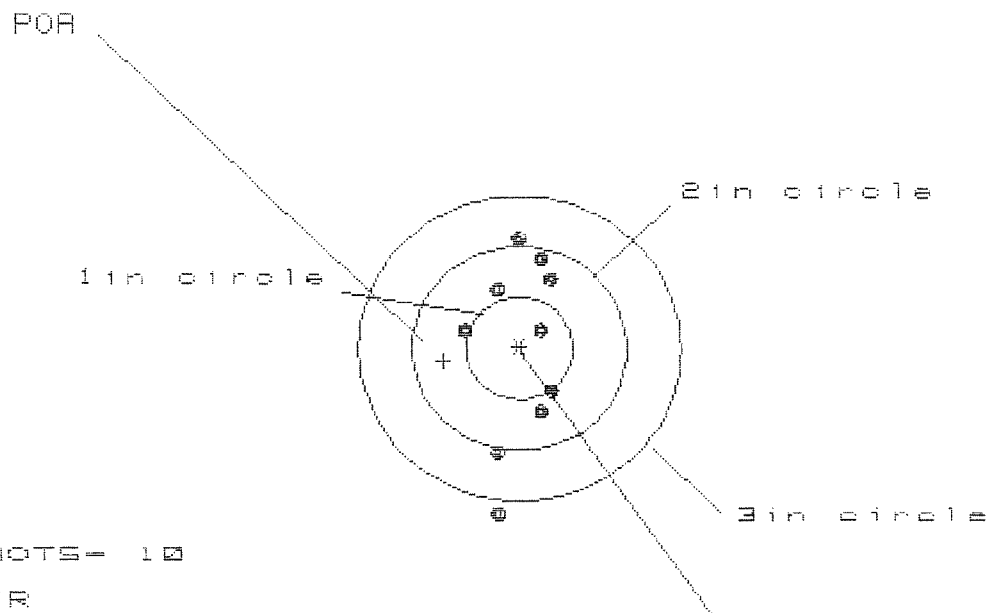
CENTROID *

PATTERN #	4	4	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.848	.756	.791
MINIMUM X	-.819	-.903	-.958
MAXIMUM Y	1.372	1.059	.910
MINIMUM Y	-1.345	-1.192	-.829
CENTROID X	.567	.651	.706
CENTROID Y	.251	.098	.247
POA TO CENTROID in.	.620	.659	.748
MIN RADIUS	.147	.182	.024
MEAN RADIUS	.845	.743	.648
MAX RADIUS	1.569	1.269	1.183
HORIZONTAL SPREAD	1.659	1.659	1.659
VERTICAL SPREAD	2.717	2.251	1.739
EXTREME SPREAD	2.748	2.321	1.777
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

6 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498888

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= .875

VS= 2.729

GS= 2.737

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.326	.305	.305
MINIMUM X	:	-.549	-.570	-.570
MAXIMUM Y	:	1.081	.897	.828
MINIMUM Y	:	-1.648	-1.167	-1.054
CENTROID X	:	.708	.729	.729
CENTROID Y	:	.119	.303	.190
POR TO CENTROID in.	:	.718	.790	.754
MIN RADIUS	:	.254	.151	.191
MEAN RADIUS	:	.798	.668	.645
MAX RADIUS	:	1.659	1.187	1.077
HORIZONTAL SPREAD	:	.875	.875	.875
VERTICAL SPREAD	:	2.729	2.064	1.882
EXTREME SPREAD	:	2.737	2.076	1.932
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	