

C6611400

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: **RE00135359**

Serial: C6611400 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 10/16/2007 7:31:59 AM

Verify Repair

Address Information

Customer: ☒ Received From

Return To: ☐ Received From

Name: **COMMANDER OF KILO 2/11 ACR**

Address 1: **P.O. BOX 105050**

Address 2: **P.O. BOX 105050**

City: **FORT IRWIN**

State: **CA** Zip Code: **92310** Country: **US**

State: **CA** Zip Code: **92310** 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
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

10/16/2007

10:00 AM

CAPS

NUM

INS

SCRL

Serial Number: **C6611400**
Model: **M24 SWS**

RE00135359

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611400.___0

FILE DATE AND TIME: 12/11/2007 14:02

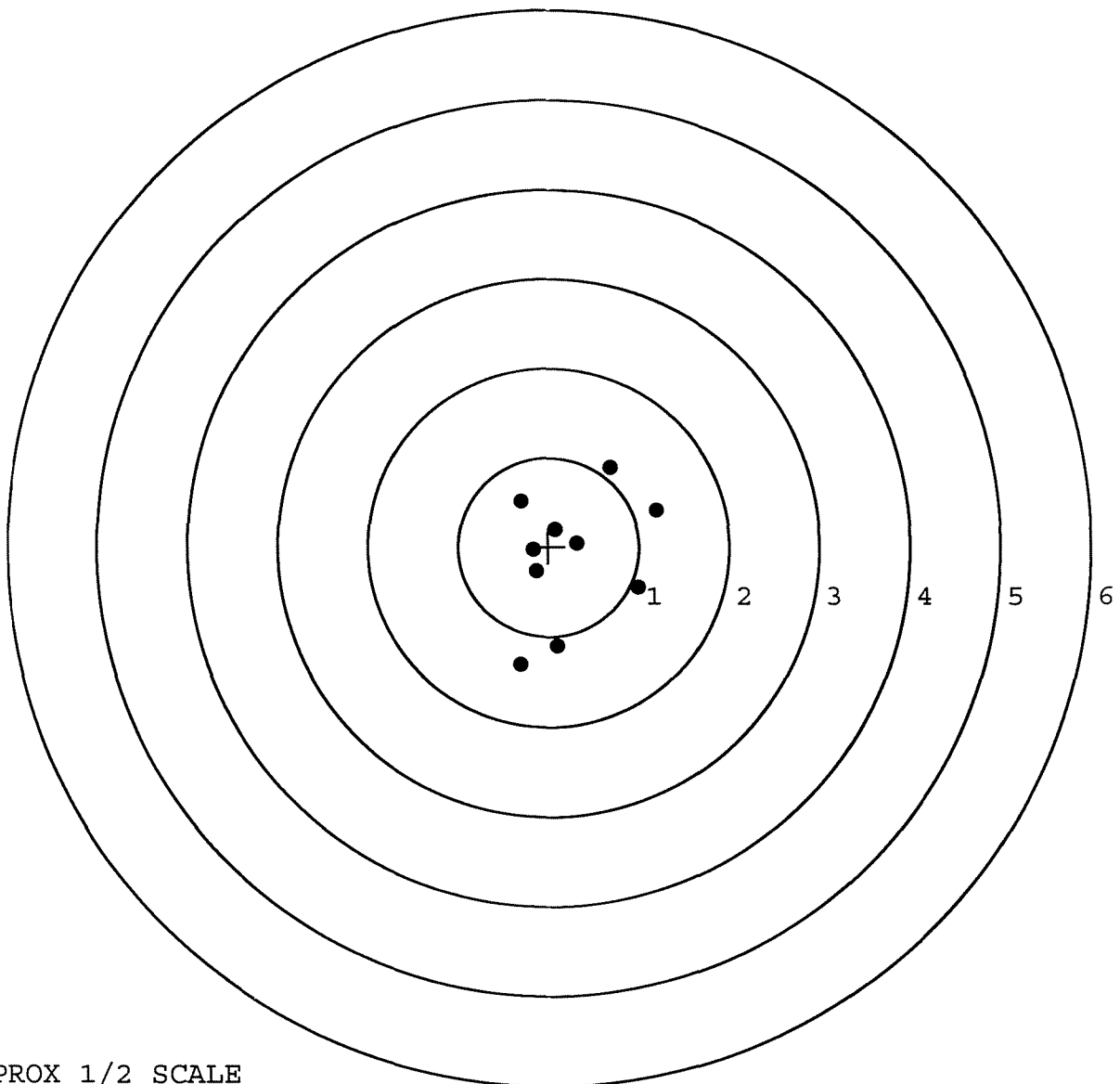
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.037
The Average Y Centroid of the Five Target Set:	-0.052
The Average Point of Impact of the Five Target Set:	0.064
The Average Mean Radius of the Five Target Set:	0.664
The Distance from POA to Centroid Target #1:	0.269
The Distance from Centroid Target #2 to Centroid Target #1:	0.256
The Distance from Centroid Target #3 to Centroid Target #1:	0.278
The Distance from Centroid Target #4 to Centroid Target #1:	0.331
The Distance from Centroid Target #5 to Centroid Target #1:	0.280

SERIAL NUMBER: C6611400. __0
TARGET NUMBER: 1
FILE DATE: 12/11/2007
FILE TIME: 14:02

X CENTROID: 0.242
Y CENTROID: -0.116
POA TO CENTROID: 0.269
HORZ SPREAD: 1.508
VERT SPREAD: 2.210
GROUP SPREAD: 2.426
MIN RADIUS: 0.174
MAX RADIUS: 1.324
MEAN RADIUS: 0.752
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.686	0.893
2:	1.193	0.407
3:	0.989	-0.460
4:	0.094	-1.110
5:	-0.315	-1.317
6:	-0.135	-0.277
7:	-0.169	-0.038
8:	0.316	0.041
9:	0.079	0.189
10:	-0.313	0.509

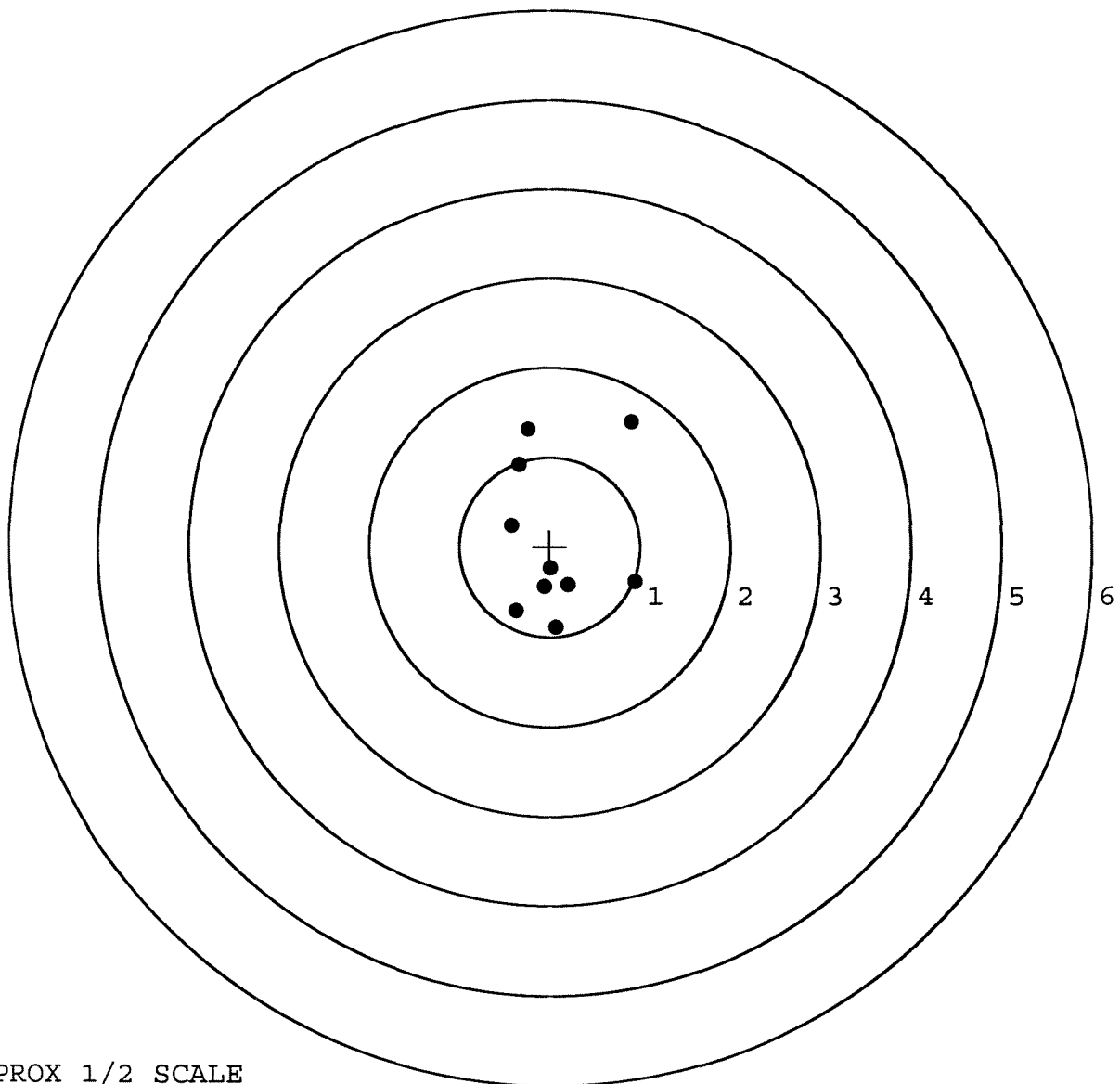


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611400. __0
TARGET NUMBER: 2
FILE DATE: 12/11/2007
FILE TIME: 14:02

X CENTROID: 0.069
Y CENTROID: 0.072
POA TO CENTROID: 0.100
HORZ SPREAD: 1.366
VERT SPREAD: 2.297
GROUP SPREAD: 2.465
MIN RADIUS: 0.323
MAX RADIUS: 1.560
MEAN RADIUS: 0.855
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.902	1.391
2:	-0.245	1.313
3:	-0.338	0.916
4:	-0.423	0.238
5:	0.013	-0.246
6:	-0.061	-0.447
7:	0.205	-0.427
8:	-0.376	-0.717
9:	0.069	-0.906
10:	0.943	-0.395



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611400. __0

TARGET NUMBER: 3

FILE DATE: 12/11/2007

FILE TIME: 14:02

X CENTROID: -0.035

Y CENTROID: -0.094

POA TO CENTROID: 0.101

HORZ SPREAD: 1.391

VERT SPREAD: 1.362

GROUP SPREAD: 1.484

MIN RADIUS: 0.268

MAX RADIUS: 0.957

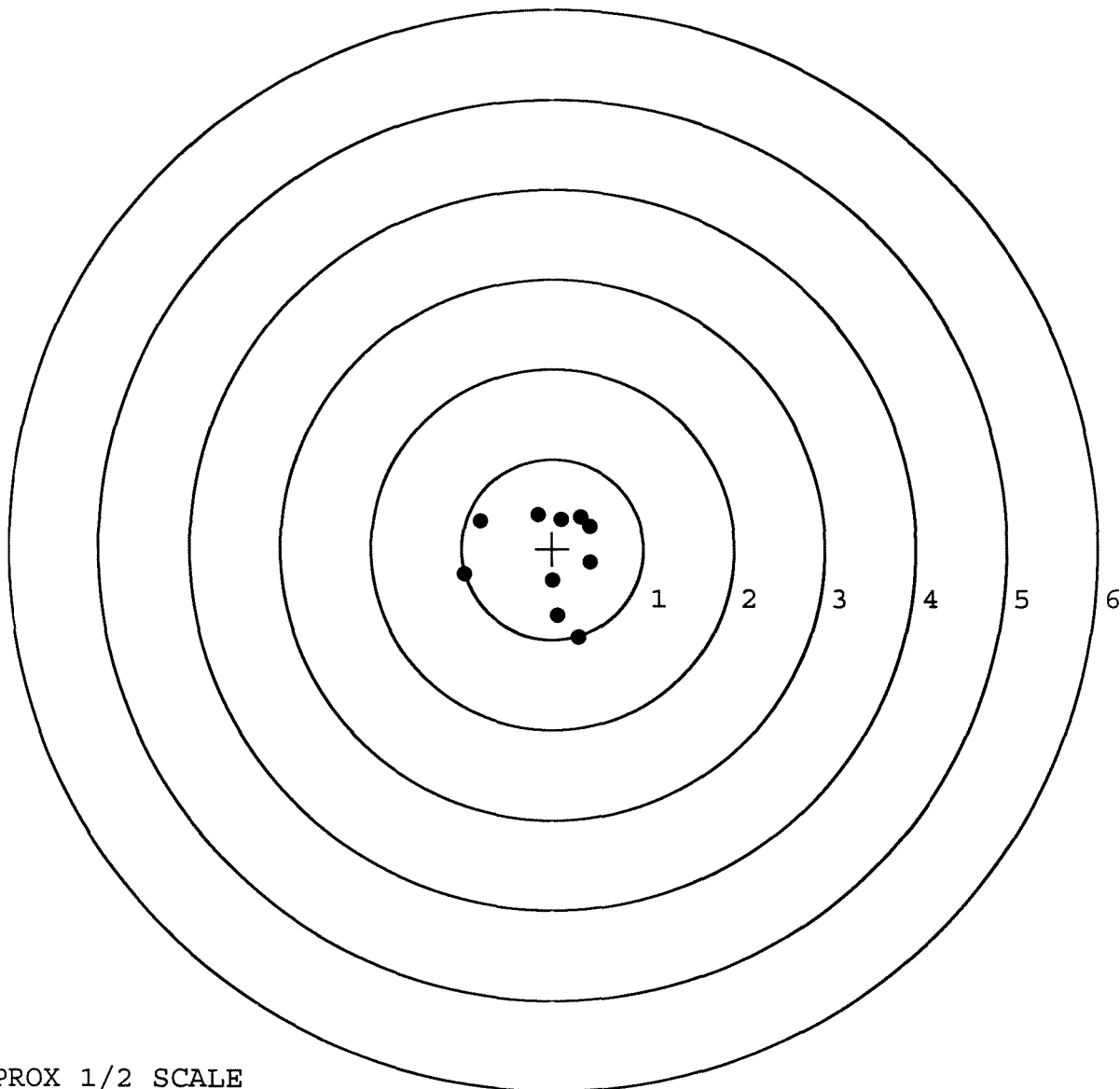
MEAN RADIUS: 0.619

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.288	-0.986
2:	0.056	-0.743
3:	0.006	-0.359
4:	0.419	-0.160
5:	-0.972	-0.290
6:	-0.799	0.302
7:	0.413	0.244
8:	0.308	0.352
9:	0.095	0.320
10:	-0.165	0.376



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611400. __0

TARGET NUMBER: 4

FILE DATE: 12/11/2007

FILE TIME: 14:02

X CENTROID: -0.088

Y CENTROID: -0.141

POA TO CENTROID: 0.166

HORZ SPREAD: 0.980

VERT SPREAD: 1.786

GROUP SPREAD: 1.803

MIN RADIUS: 0.115

MAX RADIUS: 0.983

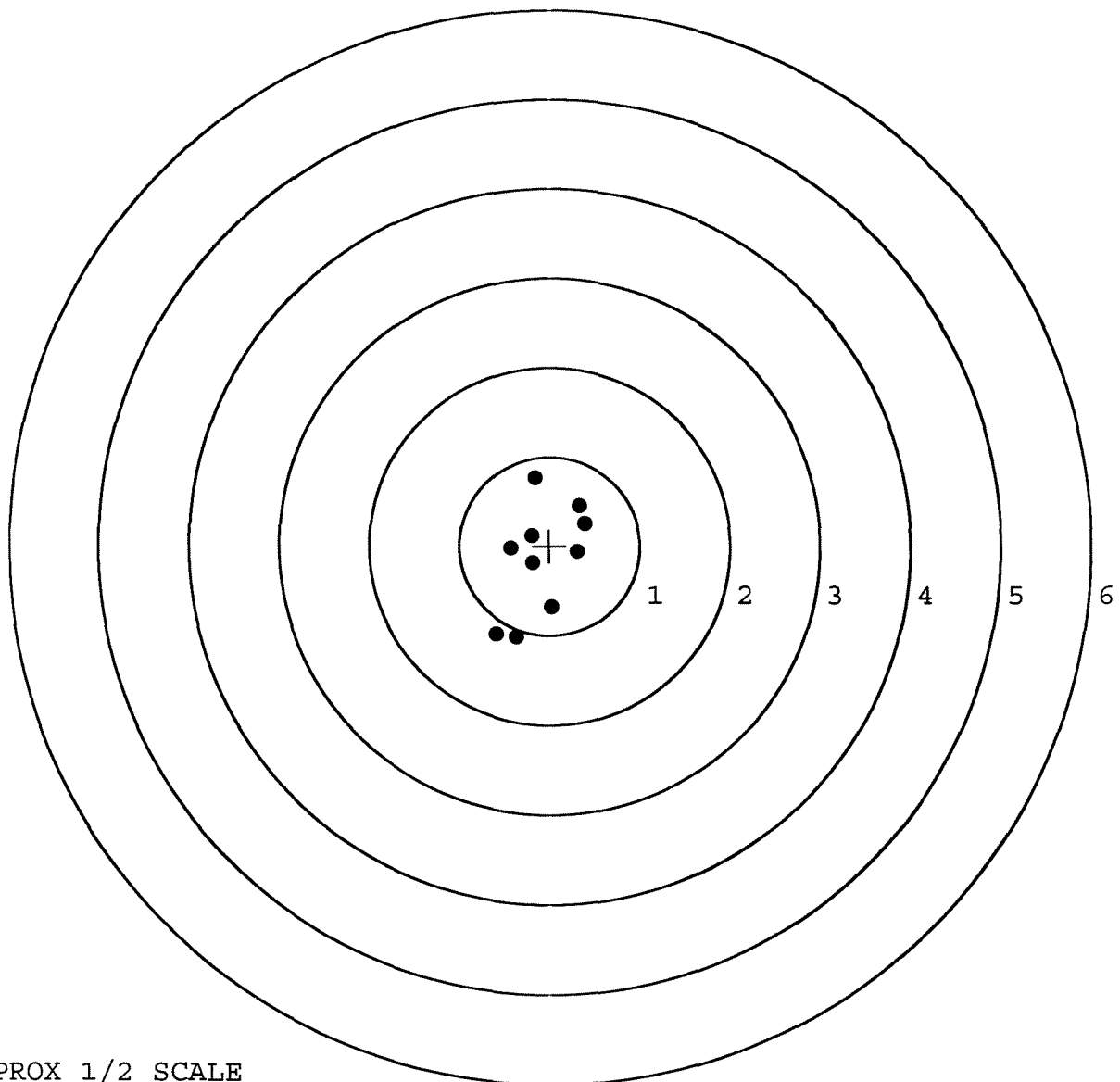
MEAN RADIUS: 0.588

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.161	0.764
2:	0.330	0.450
3:	0.393	0.250
4:	0.310	-0.069
5:	0.022	-0.688
6:	-0.369	-1.022
7:	-0.587	-0.988
8:	-0.187	-0.199
9:	-0.194	0.119
10:	-0.433	-0.030

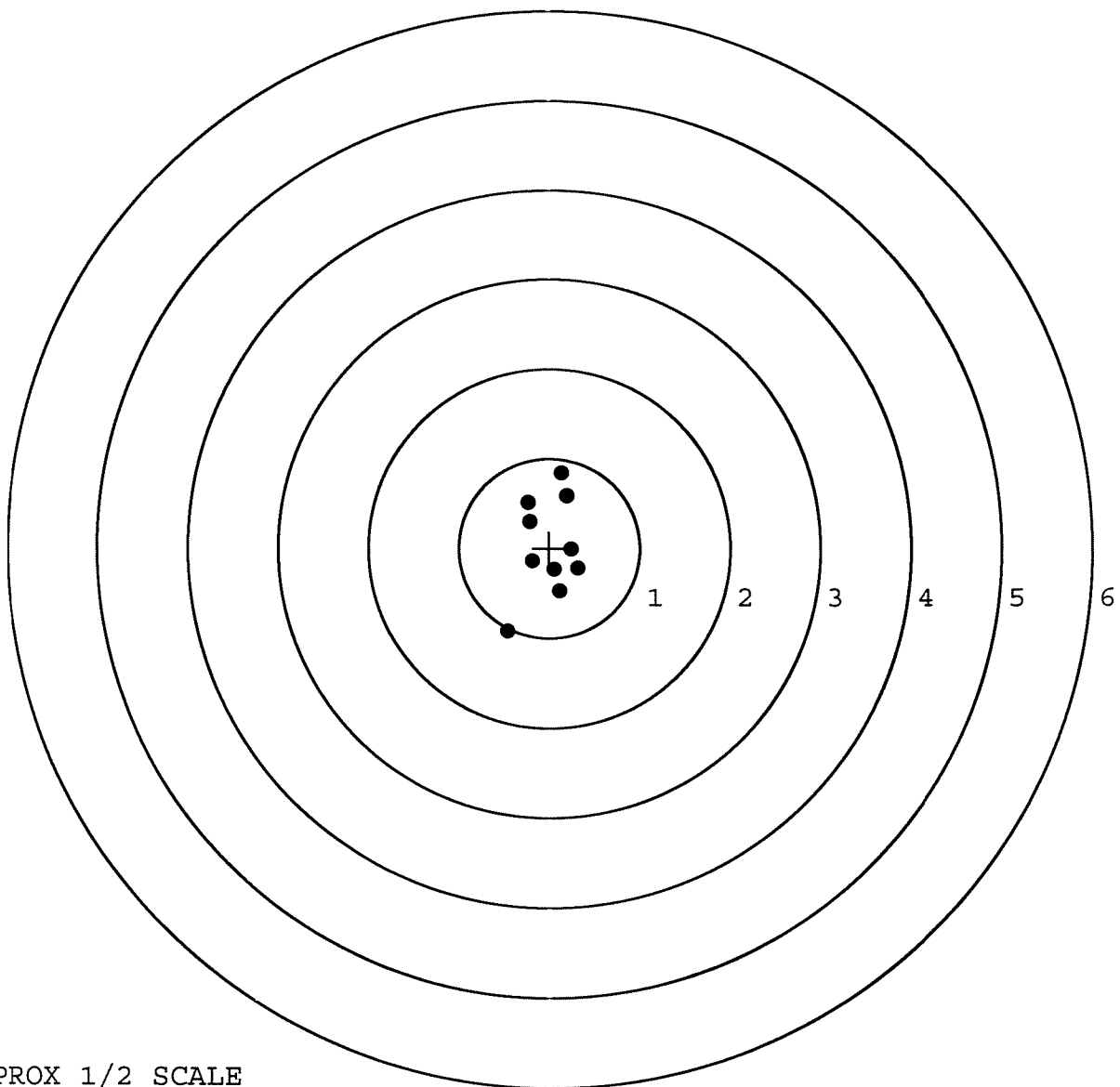


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611400.____0
TARGET NUMBER: 5
FILE DATE: 12/11/2007
FILE TIME: 14:02

X CENTROID: -0.003
Y CENTROID: 0.018
POA TO CENTROID: 0.018
HORZ SPREAD: 0.780
VERT SPREAD: 1.765
GROUP SPREAD: 1.864
MIN RADIUS: 0.247
MAX RADIUS: 1.054
MEAN RADIUS: 0.506
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.464	-0.930
2:	0.135	0.835
3:	0.199	0.582
4:	-0.236	0.513
5:	-0.214	0.299
6:	-0.187	-0.149
7:	0.119	-0.484
8:	0.316	-0.229
9:	0.241	-0.018
10:	0.057	-0.243



TARGET APPROX 1/2 SCALE

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

R & E NUMBER <u>135359</u>			
SERIAL NUMBER <u>C6611488</u>			
LOG-IN DATE <u>10-16-07</u>			
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	11-06-07	RTZ
505	RE-BARREL	11-08-07	TRW
560	ASSEMBLE	11-8-07	TRW
600	PROOF	11-12-07	TRW
605	CHECK HEADSPACE	11-12-07	TRW
610	DIS-ASSEMBLE GUN	11-13-07	RTZ
612	MAGNAFLUX	11-14-07	JB
510	DRILL AND TAP	11-13-07	TRW
615	ROLLMARK CALIBER	11-13-07	CW
618	ROTO-BLAST	11-14-07	YY
620	APPLY COATINGS	11/27/07	RB
625	FINAL ASSEMBLY	12-7-07	RTZ
640	FUNCTION TEST AND	<u>PASS</u> FAIL	12-11-07 TRW
650	TARGET	<u>PASS</u> FAIL	12-11-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	12-11-07 Fm
670	FINAL INSPECTION	12-12-07	DA
	A) HEADSPACE	<u>PASS</u> FAIL	12-12-07 DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	295 294 295 292 296 12-12-07 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	45 45 42 12-12-07 DA
	G) SAFETY OFF FORCE	2 LBS MAX	25 25 2.5 12-12-07 DA
	I) FIRING PIN INDENT	.020	.022 .023 .023 12-12-07 DA
690	PACK		1-2-08 DA

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6611400

DATE 8/8/96

TESTER Rw

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.58		2.81	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.65	2.58		2.78	
PULL #3	2.76	2.47		2.74	
PULL #4	2.78	2.58		2.74	
PULL #5	2.78	2.58		2.75	
TOTAL	13.27	12.79		13.82	
AVG.	2.65	2.56		2.76	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.26		
PULL #2	3.29	3.30		
PULL #3	3.33	3.24		
PULL #4	3.33	3.19		
PULL #5	3.35	3.06		
TOTAL	16.66	16.05		
AVG.	3.33	3.21		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.23		4.14
PULL #2	4.27	4.05		4.29
PULL #3	4.27	4.16		4.08
PULL #4	4.05	4.27		4.31
PULL #5	4.28	4.23		4.08
TOTAL	21.02	20.94		20.82
AVG.	4.20	4.19		4.16

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611400

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	6	6	8/26/96	RW
	G) Safety Off Force	3	3	3	8/26/96	RW
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent					
	J) Assemble Stock					
	K) Assemble Swivel Studs					
	L) Attach Front and Rear Sight Assemblies					
	M) Iron Sight Alignment					
	N) Detach Front & Rear Sights & place in numbered container					
	O) Attach Scope to Rifle					
	P) Detach & Attach Scope 20 Times					
640	Gallery Target & Test					
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo					
655	Final Inspection					
	A) Headspace					
	B) Trigger Pull	2.67	2.49	2.48	2.47	2.51
	C) Function				8/24/96	RW
660	Pack					

Remington



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

MODEL 700™ H24

SERIAL NO.
C6611400

ORDER NO.
5716

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

20



5716 C6611400

UPC



0 47700 25716 7

CFM

GUN SERIAL # C6611400

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	1 25 91	RW
600	Proof		1 25 91	RW
607	Check Headspace		1 25 91	RW
610	Dis-assemble Gun		1 25 91	RW
612	Magnaflux Barrel Action		1 25 91	KR
	Magnaflux Bolt		1 25 91	KR
615	Rollmark Caliber		1 25 91	LS
617	Drill and Tap Sight Holes		1 30 91	LB
618	Polish Barrel RBB		1 30 91	LB
620	Apply Coatings (Barrel Action)		2-10-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/11/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/11/91	RW
	C) Inspect Ejector Hole for Chamfer		2/11/91	RW
	D) Oil Firing Pin Ass'y		2/11/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/15/91	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			2/15/91	WLB
	G) Safety Off Force	3 1/4	3 1/4	3 1/4			2/15/91	WLB
	H) Trigger Pull Test & Retainability						2/15/91	WLB
	I) Firing Pin Indent	1.022	1.022	1.022			2/15/91	WLB
	J) Assemble Stock						2/15/91	RW
	K) Assemble Swivel Studs						2-26-91	K
	L) Attach Front and Rear Sight Assemblies						2/15/91	RW
	M) Iron Sight Alignment						2/15/91	RW
	N) Detach Front & Rear Sights & place in numbered container						2/15/91	RW
	O) Attach Scope to Rifle						2/15/91	RW
	P) Detach & Attach Scope 20 Times						2/15/91	RW
640	Gallery Target & Test						2-15-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						2-15-91	AF
655	Final Inspection							
	A) Headspace						2-26-91	K
	B) Trigger Pull	2.24	2.25	2.26	2.21	2.21	2/22/91	WLB
	C) Function						2-26-91	K
660	Pack						3-18-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06611400DATE 2/15/91TESTER JP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.30	2.38	2.24	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.24	2.26	2.25	
PULL #3	2.21	2.28	2.38	2.26	
PULL #4	2.26	2.25	2.38	2.21	
PULL #5	2.46	2.27	2.42	2.21	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.41		
PULL #2	3.38	3.40		
PULL #3	3.23	3.34		
PULL #4	3.24	3.30		
PULL #5	3.29	3.38		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.40	4.47		4.41
PULL #2	4.51	4.32		4.29
PULL #3	4.58	4.29		4.37
PULL #4	4.47	4.22		4.38
PULL #5	4.49	4.19		4.27
TOTAL				
AVG.				

CENTRAL DISTANCE CALCULATIONS
FOR RIFLE # C6611400
15 Feb 1991

CENTROIDAL DISTANCES

0 TO 1	.201002
1 TO 2	.26163
1 TO 3	.243647
1 TO 4	.212763
1 TO 5	.369381

15 X----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.017
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0598
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0621694

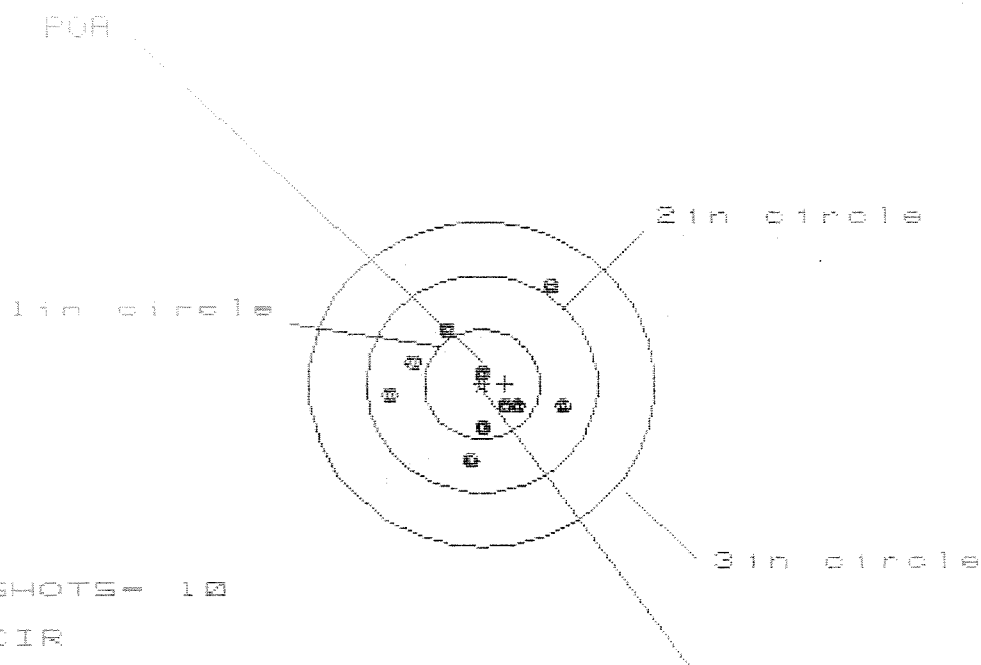
THE RMS FOR THIS RIFLE IS: .8628

15 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611400

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.468

VS= 1.584

GS= 1.711

CENTROID #

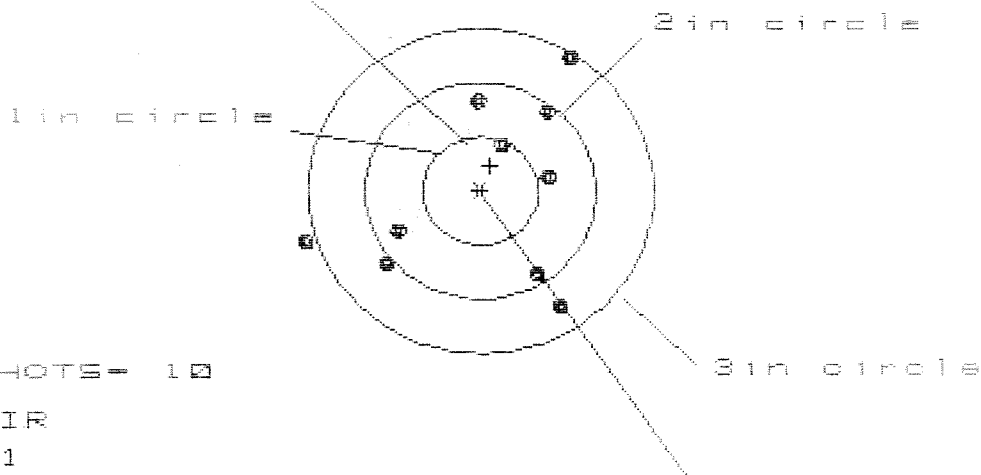
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.661	.725	.632
MINIMUM X	-.807	-.743	-.629
MAXIMUM Y	.934	.599	.604
MINIMUM Y	-.650	-.546	-.541
CENTROID X	-.201	-.265	-.172
CENTROID Y	-.001	-.105	-.110
POA TO CENTROID in.	.201	.285	.204
MIN RADIUS	.146	.253	.207
MEAN RADIUS	.567	.502	.453
MAX RADIUS	1.097	.744	.689
HORIZONTAL SPREAD	1.468	1.468	1.261
VERTICAL SPREAD	1.584	1.145	1.145
EXTREME SPREAD	1.711	1.476	1.318
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

15 Feb 1991

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CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.327

VS= 2.245

GS= 2.843

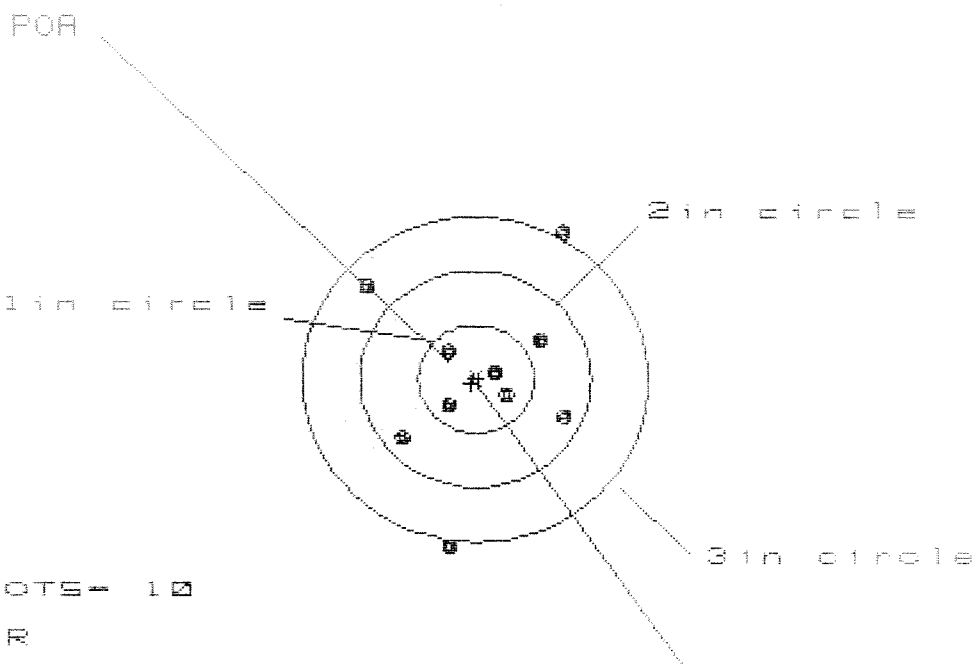
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.778	.606	.560
MINIMUM X	:	-1.549	-.996	-.920
MAXIMUM Y	:	1.199	1.151	.899
MINIMUM Y	:	-1.046	-1.094	-.950
CENTROID X	:	-.082	.090	.014
CENTROID Y	:	-.234	-.186	-.330
POA TO CENTROID in.	:	.248	.207	.330
MIN RADIUS	:	.471	.402	.533
MEAN RADIUS	:	.988	.890	.851
MAX RADIUS	:	1.609	1.301	1.103
HORIZONTAL SPREAD	:	2.327	1.602	1.480
VERTICAL SPREAD	:	2.245	2.245	1.849
EXTREME SPREAD	:	2.843	2.466	1.973
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611400

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 1.581

VS= 2.881

GS= 3.049

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.718	.687	.772
MINIMUM X	:	-.963	-.994	-.908
MAXIMUM Y	:	1.334	1.162	.782
MINIMUM Y	:	-1.547	-.750	-.685
CENTROID X	:	.039	.070	-.016
CENTROID Y	:	.041	.213	.068
POA TO CENTROID in.	:	.057	.224	.070
MIN RADIUS	:	.131	.174	.183
MEAN RADIUS	:	.772	.692	.586
MAX RADIUS	:	1.572	1.350	1.199
HORIZONTAL SPREAD	:	1.681	1.681	1.680
VERTICAL SPREAD	:	2.881	1.912	1.387
EXTREME SPREAD	:	3.049	2.345	2.011
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

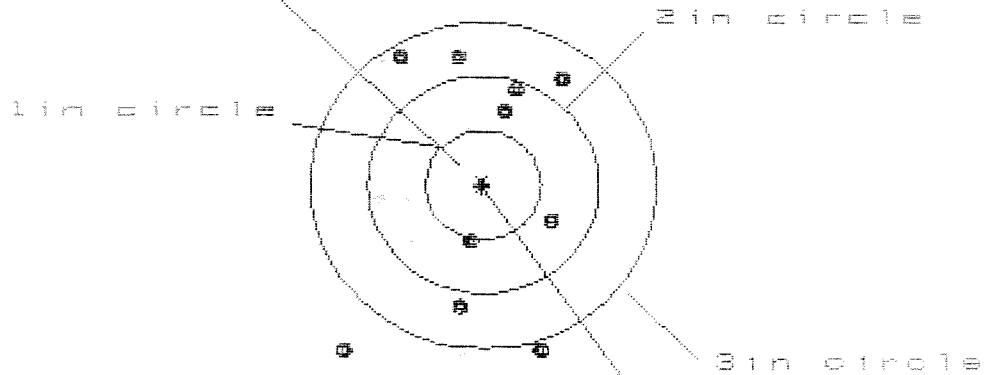
15 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611400

CENTERFIRE PATTERNS

4

POA



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS= 1.901

VS= 2.784

GS= 3.137

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.735	.606	.656
MINIMUM X	:	-1.166	-.792	-.742
MAXIMUM Y	:	1.226	1.063	.848
MINIMUM Y	:	-1.558	-1.721	-1.527
CENTROID X	:	.011	.140	.090
CENTROID Y	:	.017	.180	.395
POA TO CENTROID in.	:	.020	.228	.405
MIN RADIUS	:	.496	.511	.314
MEAN RADIUS	:	1.133	1.019	.882
MAX RADIUS	:	1.878	1.768	1.556
HORIZONTAL SPREAD	:	1.901	1.398	1.398
VERTICAL SPREAD	:	2.784	2.784	2.375
EXTREME SPREAD	:	3.137	2.948	2.375
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

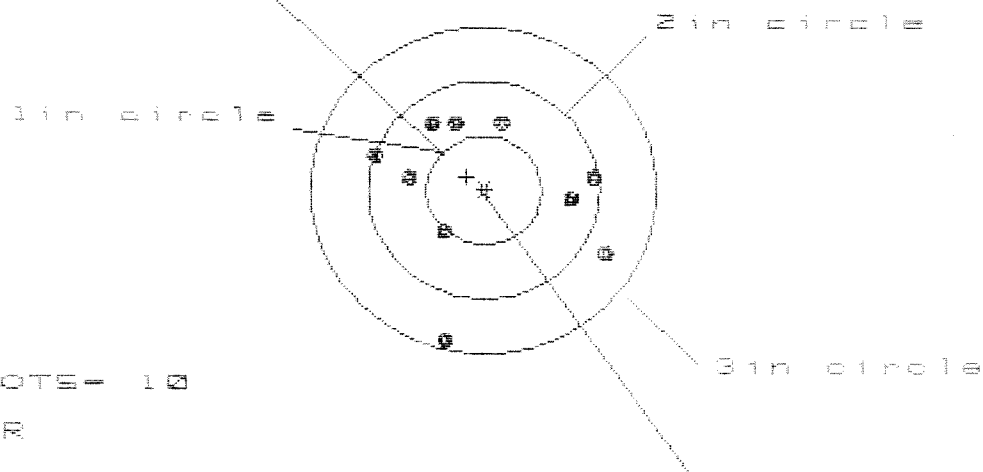
15 Feb 1991

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CENTERFIRE PATTERNS

5

POA



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 7

3 in = 10

HS= 2.088

VS= 1.989

GS= 2.260

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.099	1.058	1.085
MINIMUM X	:	-.987	-1.028	-.896
MAXIMUM Y	:	.627	.476	.387
MINIMUM Y	:	-1.362	-.715	-.596
CENTROID X	:	.148	.189	.057
CENTROID Y	:	-.122	.029	.118
POA TO CENTROID in.	:	.192	.191	.131
MIN RADIUS	:	.502	.476	.373
MEAN RADIUS	:	.854	.770	.673
MAX RADIUS	:	1.411	1.277	1.096
HORIZONTAL SPREAD	:	2.086	2.086	1.981
VERTICAL SPREAD	:	1.989	1.191	.988
EXTREME SPREAD	:	2.260	2.260	1.996
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	