C6225157

MODEL 700™ M24

Model 700 M24™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Smead

M2400009617

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

10/29/07 10:57:28

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: RE00135888

Verify Repair

Serial: C6225157 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 10/26/1988

Repairman:

Status: Closed 10/26/2007 8:26:29 AM

Address Information

Customer: (Received From)		Return To: (Received From)	
Name:	US ARDEC RDECOM	US ARDEC RDECOM	
Address 1:	ROUTE 15 (973-724-4031)	ROUTE 15 (973-724-4031)	
Address 2:	BLDG. 34 NORTH	BLDG. 34 NORTH	
PO Box:		PO Box:	
City:	PICATINNY ARSENAL	PICATINNY ARSENAL	
State:	NJ	State: NJ	
Zip Code:	07806	Zip Code: 07806	
Country:	US	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

naglet | 10/29/2007 | 10:57 AM | CAPS | NUM | INS | SCRL

start | 4 Mi... | 4 Int... | 3 Mi... | My Do... | Arms ... | SAP L... | 10:57 AM

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

R & E NUMBER 135888

SERIAL NUMBER C6225157

LOG-IN DATE 10-26-07

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-13-07	
505	RE-BARREL		11-27-07	
560	ASSEMBLE		11-27-07	
600	PROOF	MAGNA - FLUX	11-27-07	TRW
605	CHECK HEADSPACE		11-27-07	TRW
610	DIS-ASSEMBLE GUN			
612	MAGNAFLUX	OPERATOR JB	12-04-07	JB
510	DRILL AND TAP		12-3-07	TRW
615	ROLLMARK CALIBER		12307	CW
618	ROTO-BLAST		12-5-07	
620	APPLY COATINGS		12-8-07	
625	FINAL ASSEMBLY		12-11-07	
640	FUNCTION TEST AND	(PASS) FAIL	12-12-07	TRW
650	TARGET	(PASS) FAIL	12-12-07	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		12-13-07	
	A) HEADSPACE	(PASS) FAIL	12-13-07	
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.73 2.64 2.76 2.69 2.75	12-13-07	
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	5 4.5 4.5	12-13-07	
	G) SAFETY OFF FORCE (2 LBS MIN)	2.0 2.0 2.0	12-13-07	
	I) FIRING PIN INDENT (.020)	.022 .022 .021	12-13-07	
690	PACK		12/19	

N/A

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225157.__0
FILE DATE AND TIME: 12/12/2007 13:00

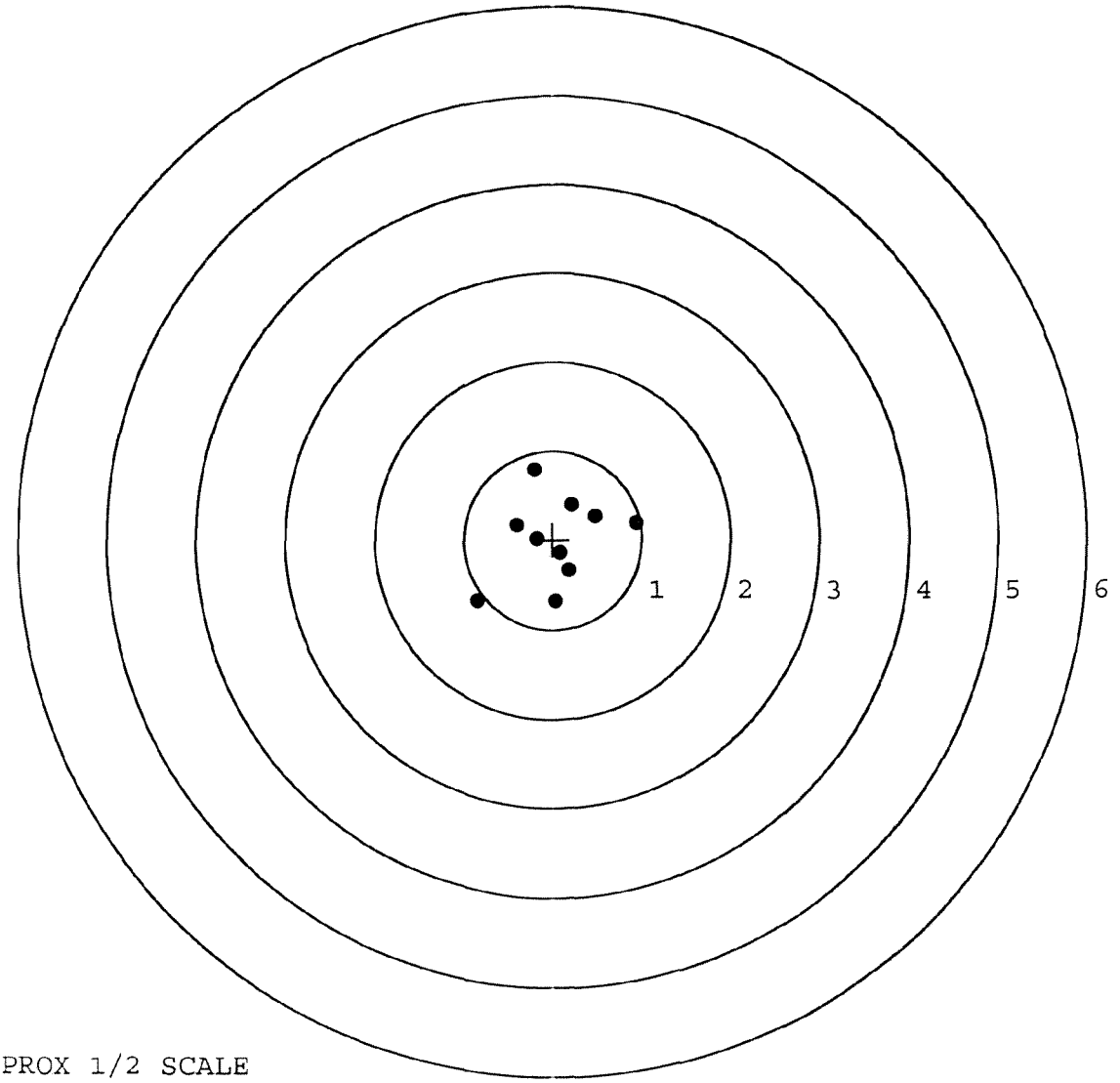
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.028
The Average Y Centroid of the Five Target Set:	0.007
The Average Point of Impact of the Five Target Set:	0.029
The Average Mean Radius of the Five Target Set:	0.560
The Distance from POA to Centroid Target #1:	0.029
The Distance from Centroid Target #2 to Centroid Target #1:	0.003
The Distance from Centroid Target #3 to Centroid Target #1:	0.039
The Distance from Centroid Target #4 to Centroid Target #1:	0.063
The Distance from Centroid Target #5 to Centroid Target #1:	0.037

SERIAL NUMBER: C6225157.__0
TARGET NUMBER: 1
FILE DATE: 12/12/2007
FILE TIME: 13:00

X CENTROID:	0.029
Y CENTROID:	-0.005
POA TO CENTROID:	0.029
HORZ SPREAD:	1.788
VERT SPREAD:	1.477
GROUP SPREAD:	1.990
MIN RADIUS:	0.154
MAX RADIUS:	1.110
MEAN RADIUS:	0.572
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.850	-0.682
2:	0.036	-0.688
3:	0.938	0.191
4:	0.476	0.265
5:	0.218	0.393
6:	-0.205	0.789
7:	-0.413	0.164
8:	-0.181	0.012
9:	0.187	-0.344
10:	0.085	-0.148

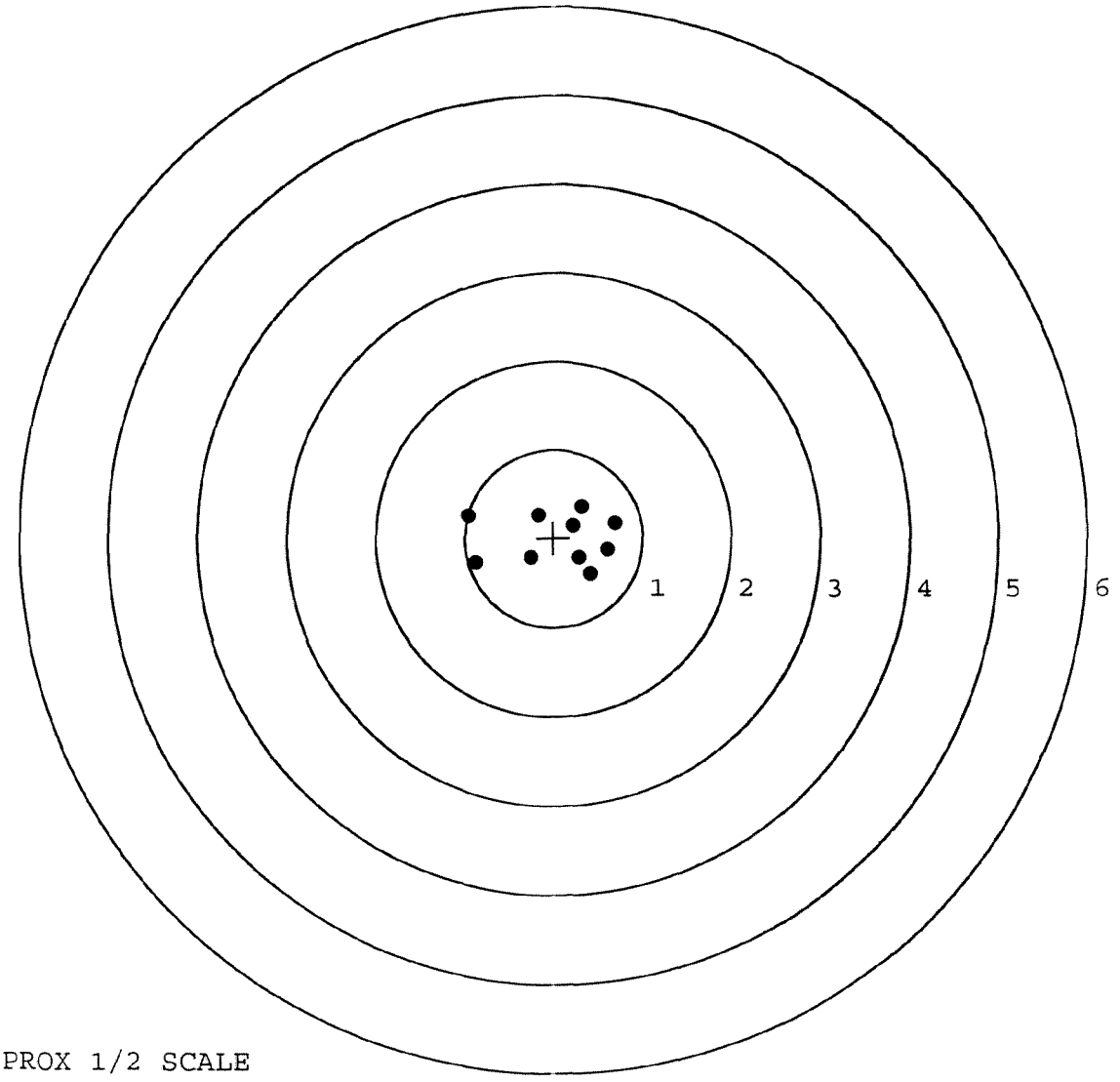


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225157.__0
TARGET NUMBER: 2
FILE DATE: 12/12/2007
FILE TIME: 13:00

X CENTROID:	0.027
Y CENTROID:	-0.008
POA TO CENTROID:	0.028
HORZ SPREAD:	1.658
VERT SPREAD:	0.761
GROUP SPREAD:	1.660
MIN RADIUS:	0.241
MAX RADIUS:	1.026
MEAN RADIUS:	0.555
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.966	0.248
2:	-0.874	-0.276
3:	-0.256	-0.225
4:	-0.178	0.256
5:	0.320	0.357
6:	0.692	0.173
7:	0.612	-0.130
8:	0.419	-0.404
9:	0.290	-0.220
10:	0.215	0.143

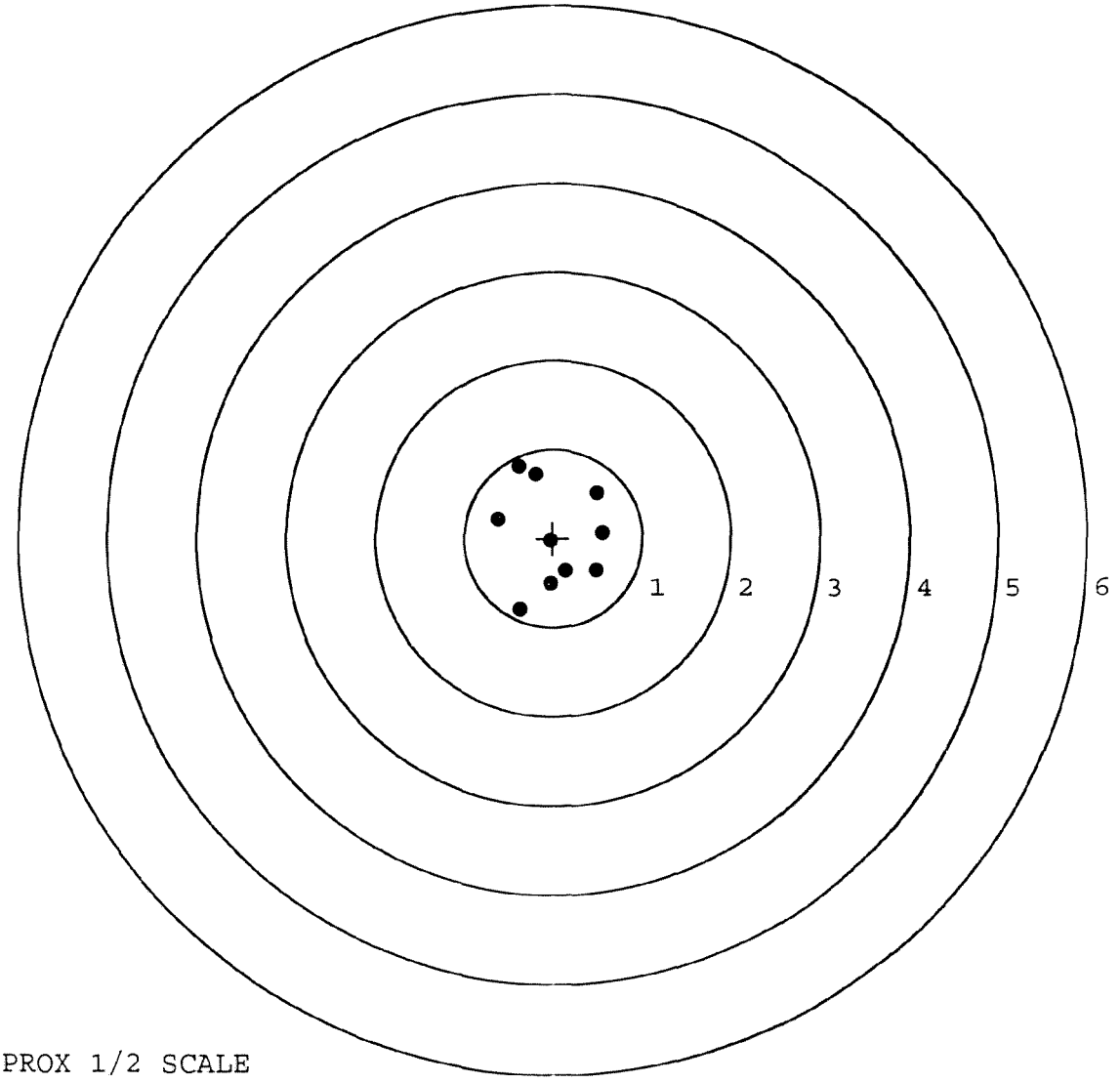


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225157.__0
TARGET NUMBER: 3
FILE DATE: 12/12/2007
FILE TIME: 13:00

X CENTROID:	0.003
Y CENTROID:	0.024
POA TO CENTROID:	0.024
HORZ SPREAD:	1.173
VERT SPREAD:	1.612
GROUP SPREAD:	1.612
MIN RADIUS:	0.063
MAX RADIUS:	0.910
MEAN RADIUS:	0.605
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.380	0.808
2:	-0.199	0.719
3:	-0.626	0.219
4:	-0.032	-0.029
5:	0.146	-0.369
6:	-0.032	-0.519
7:	-0.374	-0.804
8:	0.484	-0.364
9:	0.547	0.065
10:	0.493	0.513

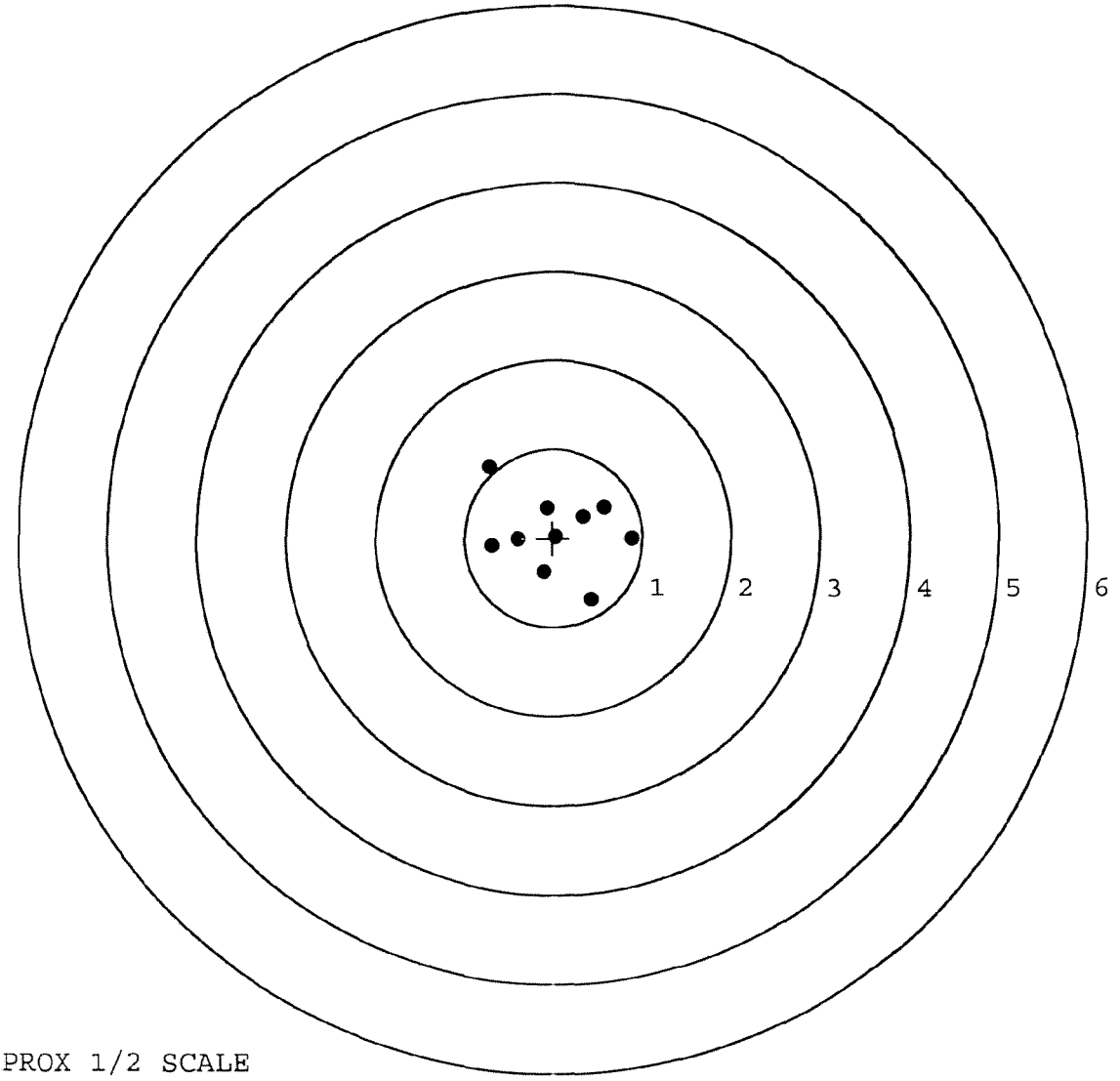


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225157.__0
TARGET NUMBER: 4
FILE DATE: 12/12/2007
FILE TIME: 13:00

X CENTROID:	0.028
Y CENTROID:	0.058
POA TO CENTROID:	0.064
HORZ SPREAD:	1.588
VERT SPREAD:	1.492
GROUP SPREAD:	1.882
MIN RADIUS:	0.041
MAX RADIUS:	1.049
MEAN RADIUS:	0.569
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.433	-0.692
2:	0.874	0.002
3:	0.573	0.353
4:	0.338	0.243
5:	0.037	0.018
6:	-0.071	0.334
7:	-0.714	0.800
8:	-0.398	-0.010
9:	-0.689	-0.085
10:	-0.105	-0.384

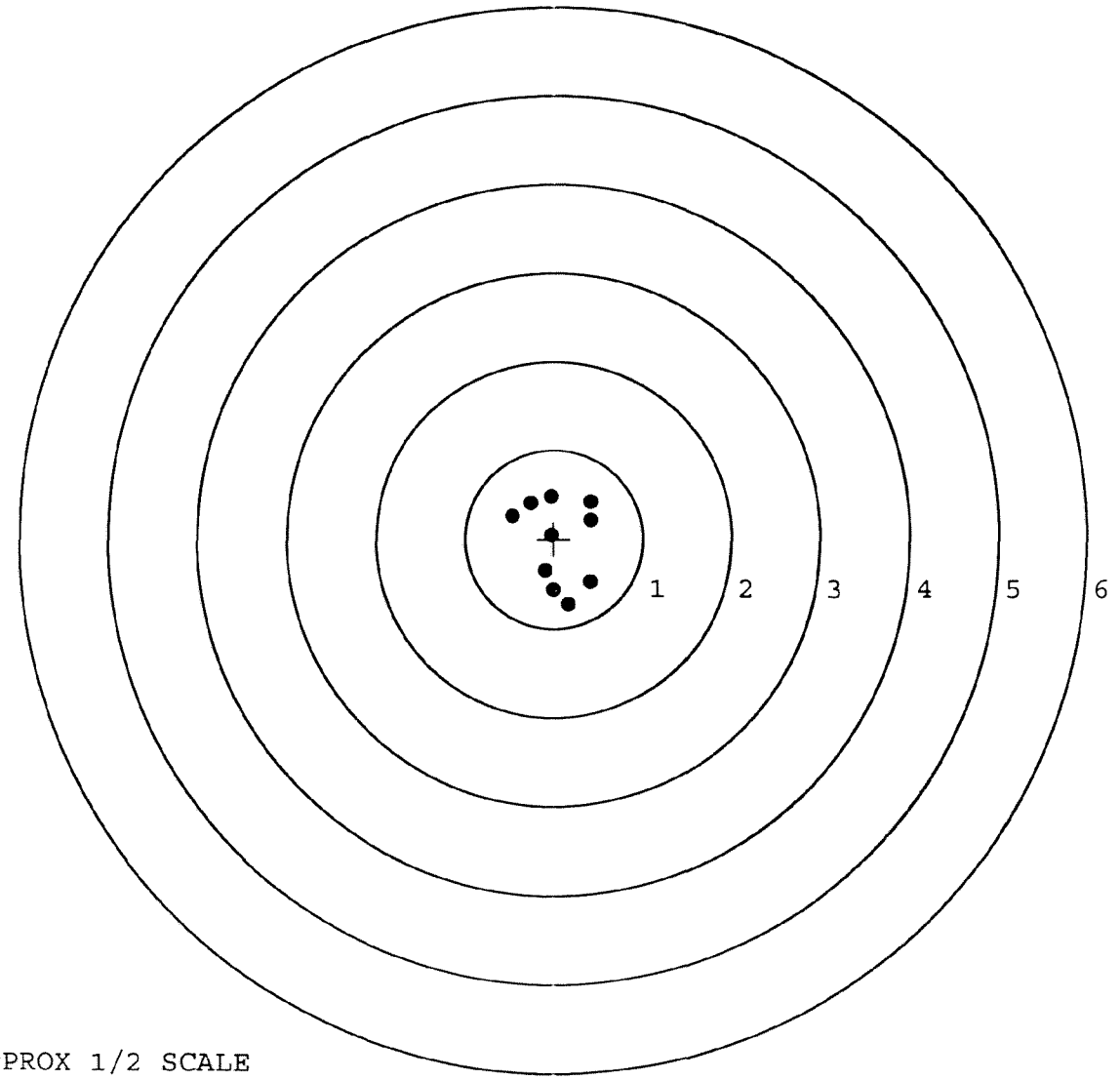


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225157.__0
TARGET NUMBER: 5
FILE DATE: 12/12/2007
FILE TIME: 13:00

X CENTROID:	0.052
Y CENTROID:	-0.033
POA TO CENTROID:	0.062
HORZ SPREAD:	0.886
VERT SPREAD:	1.215
GROUP SPREAD:	1.232
MIN RADIUS:	0.114
MAX RADIUS:	0.712
MEAN RADIUS:	0.498
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.417	-0.485
2:	0.172	-0.735
3:	-0.004	-0.572
4:	-0.095	-0.359
5:	-0.031	0.045
6:	0.415	0.213
7:	0.418	0.419
8:	-0.033	0.480
9:	-0.266	0.404
10:	-0.468	0.257



TARGET APPROX 1/2 SCALE

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C622557

OPERATION #	NAME	DATE	INT
575-580	ASSEMBLY 2	26	FE
600	PROOF	9	RW
615	MAGNAFLUX BARREL	5/13/88	pje.
	MAGNAFLUX BOLT	5/13/88	pje.
620	COATING	8/11/88	JA
625-630	FINAL ASSEMBLY		
635	TEST		
640	TARGET		
	FIRING PIN INDENT		
660	PACK		

Scope #
1196

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225157

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 & Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coatings (Bolt)			
625	Final Assembly A)Clean inside of Bolt Assembly		8/23/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/23/88	RW
	C) Inspect Ejector Hole for Chamfer		8/23/88	RW

QUALITY AUDIT

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		8/23/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		24 Aug 88	J.V. WB
	F) Safety on Force	5 3/4# 6 1/4# 6#	24 Aug	J.V. WB.
	G) Safety off Force	2 1/2# 2 1/2# 2 1/2#	24 Aug	J.V. WB.
	H) Trigger Pull Test & Retainabilty		24 Aug	WB.
	I) Firing Pin Indent	.022 .023 .022	24 Aug	JV. WB.
	J) Assemble Stock		8/25/88	RW
	K) Assemble Swivel Studs		10-14-88	JG
	L) Attach Front & Rear Sight Assemblies		8/25/88	RW
	M) Iron Sight Alignment		9/2/88	RW
	N) Detach Front & Rear Sights & place in numbered container		9/2/88	RW
	0) Attach Scope to Rifle		9/12/88	RW.
	P) Detach & Attach Scope 20 times		9/17/88	W.B.
640	Gallery Target & Test	47 R 93L	9/16/88	D. H.
	A) Optical Clearity of Scope		9/16/88	W. B.
645	Inspect for Live Ammo		9/16/88	W. B.
655	Final Inspection A) Headspace	OK	9/30/88	J.S.
	B) Trigger Pull	OK	9/30/88	J.S.
	C) Function	OK	9/30/88	J.S.
660	Pack			

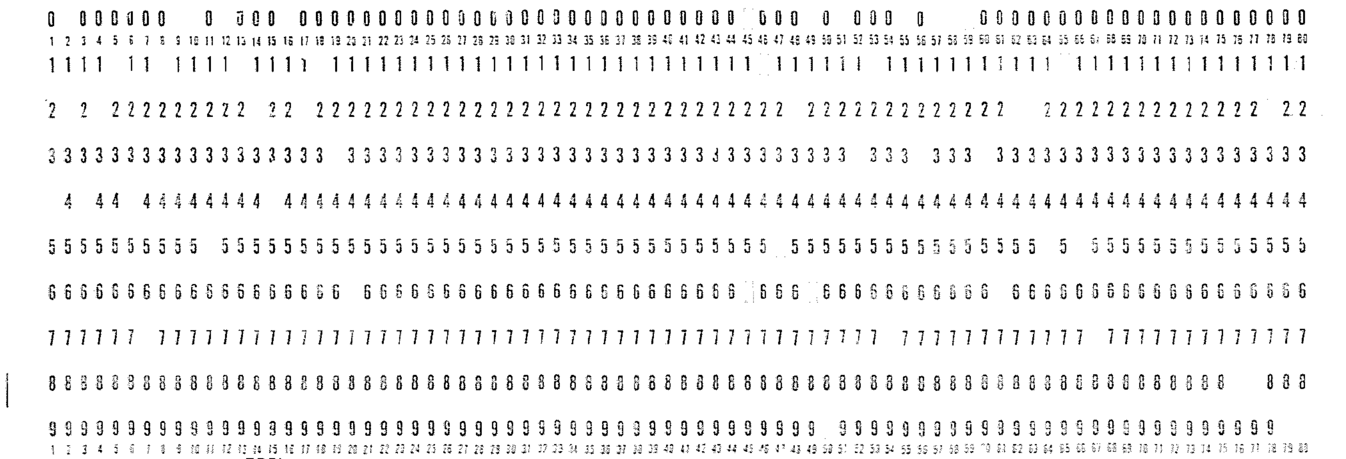
MOD. _____ GA. CAL. _____ GUN # 5157

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st 9/16	WON'T EXTRACT 3 TIMES ON TEST.	
	2nd	EXTractor loose New EXTractor	
	3rd 9/20/88	SHOT OK 100 Rds	JH
	4th		

FUNCTION RD 6654 Rev 1

TEST	INIT.	ACTION TO CORRECT	ASSEM. #
PROOF			
TEST			
TGT			
PROOF			
TEST			
TGT			
		ENGINEER	
PROOF			
TEST			
TGT			
		ENGINEER	
PROOF			
TEST			
TGT			

DSMD14P1005018402136 W15DW909A703000C6225157 88299



5081

SWS TRIGGER PULL TEST

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

SERIAL NO. C6225157

DATE 24 Aug 88

TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.62	2.05	2.14	2.23	MIN. SETTING,
PULL #2	2.55	2.02	2.05	2.22	NO AVG. OF 5
PULL #3	2.58	2.06	2.08	2.25	READINGS ACCEPT-
PULL #4	2.67	2.02	2.04	2.16	ABLE LESS THAN 2#
PULL #5	2.61	2.03	2.08	2.28	AFTER TEST COMPLETED,
TOTAL	13.03	10.18	10.39	11.14	RE-ADJUST INTERNAL
AVG.	2.61	2.04	2.08	2.23	SETTING UP TOWARD MEAN TOLERANCE.

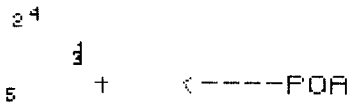
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.10		
PULL #2	3.18	3.11		
PULL #3	3.18	3.13		
PULL #4	3.18	3.12		
PULL #5	3.18	3.18		
TOTAL	15.88	15.64		
AVG.	3.18	3.13		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.16		4.31
PULL #2	4.42	4.22		4.34
PULL #3	4.45	4.24		4.35
PULL #4	4.39	4.26		4.38
PULL #5	436	4.27		4.37
TOTAL	21.97	21.15		21.75
AVG.	4.40	4.23		4.35

CENTRODIAL DISTANCE CALCULATIONS
FOR RIFLE # C6225157

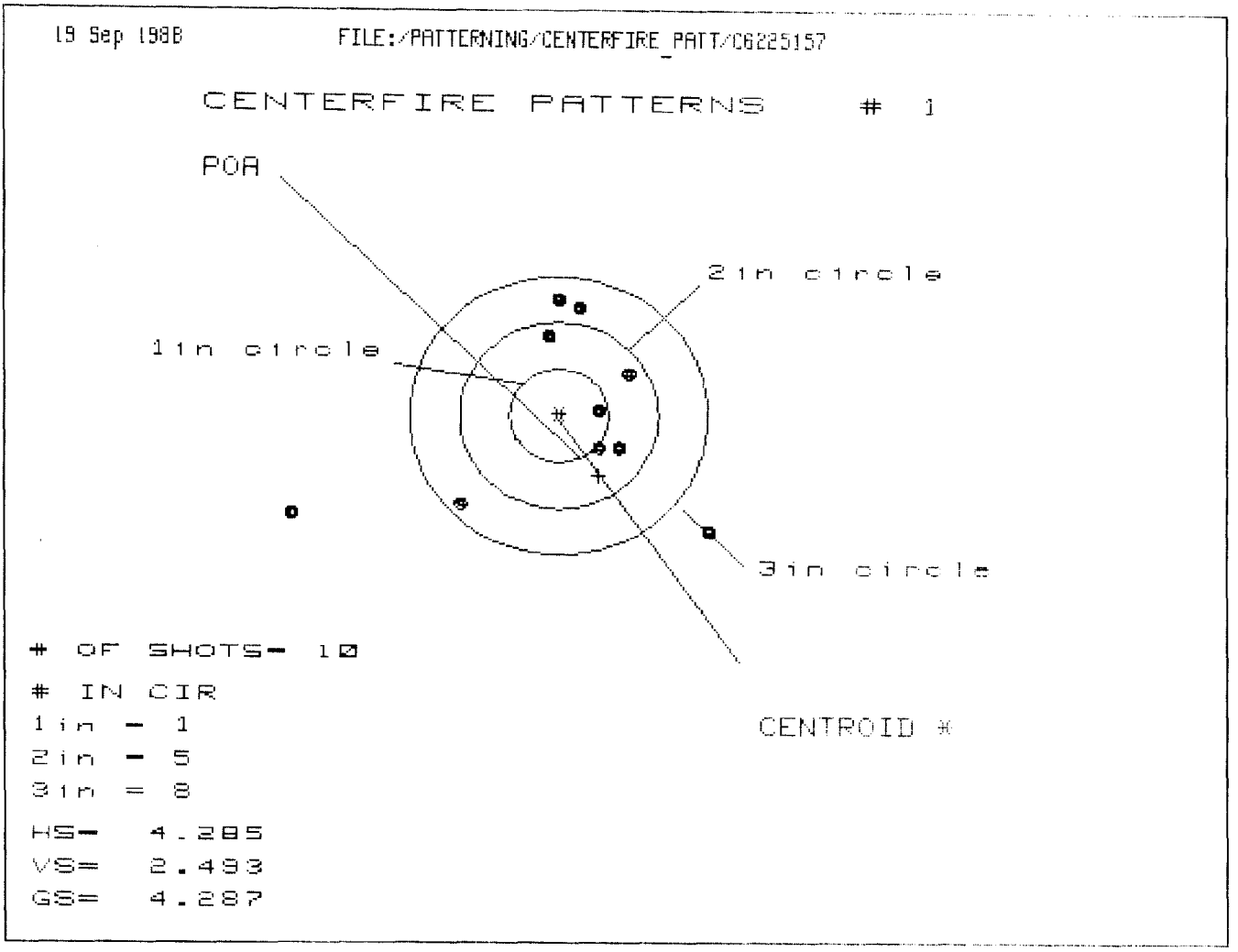
CENTROIDAL DISTANCES

Ø	TO	1	.760019
1	TO	2	1.25993
1	TO	3	.168003
1	TO	4	1.07348
1	TO	5	1.53764



THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -1.0564
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .6908
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.26221

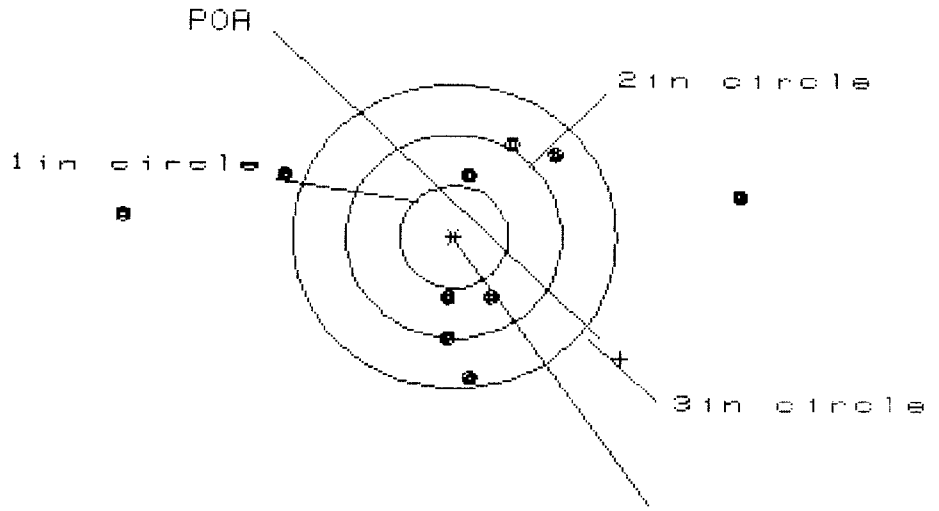
THE AMR FOR THIS RIFLE IS: 1.193



PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.545	1.241	.541
MINIMUM X	:	-2.740	-1.345	-1.190
MAXIMUM Y	:	1.292	1.174	1.009
MINIMUM Y	:	-1.201	-1.319	-1.207
CENTROID X	:	-.402	-.098	-.253
CENTROID Y	:	.645	.763	.928
POA TO CENTROID in.	:	.760	.770	.962
MIN RADIUS	:	.446	.138	.351
MEAN RADIUS	:	1.208	.915	.818
MAX RADIUS	:	2.941	1.811	1.695
HORIZONTAL SPREAD	:	4.285	2.586	1.731
VERTICAL SPREAD	:	2.493	2.493	2.216
EXTREME SPREAD	:	4.287	2.956	2.457
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

19 Sep 1988 FILE:/PATTERNING/CENTERFIRE_PATT/08225157

CENTERFIRE PATTERNS # 2



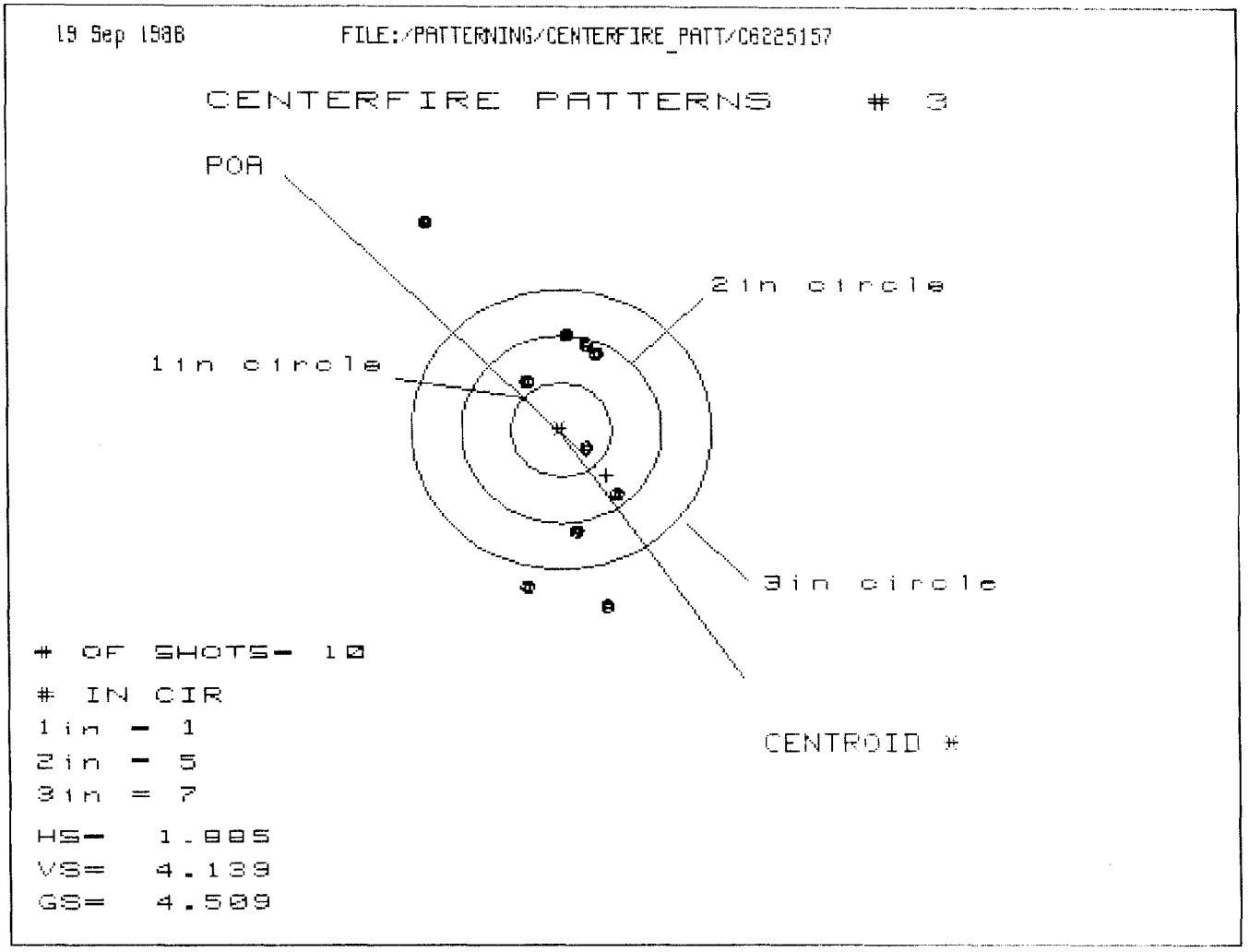
OF SHOTS= 10

CENTROID #

# IN CIR
1in = 0
2in = 4
3in = 7

HS= 5.704
VS= 2.291
GS= 5.705

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.671	2.334	.942
MINIMUM X	:	-3.033	-1.872	-1.580
MAXIMUM Y	:	.872	.899	.949
MINIMUM Y	:	-1.419	-1.392	-1.342
CENTROID X	:	-1.537	-1.200	-1.492
CENTROID Y	:	1.192	1.165	1.115
POA TO CENTROID in.	:	1.945	1.672	1.863
MIN RADIUS	:	.577	.529	.509
MEAN RADIUS	:	1.387	1.178	1.004
MAX RADIUS	:	3.043	2.368	1.738
HORIZONTAL SPREAD	:	5.704	4.206	2.522
VERTICAL SPREAD	:	2.291	2.291	2.291
EXTREME SPREAD	:	5.705	4.215	2.654
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.539	.390	.426
MINIMUM X	:	-1.346	-.474	-.428
MAXIMUM Y	:	2.260	1.251	1.047
MINIMUM Y	:	-1.879	-1.628	-1.633
CENTROID X	:	-.450	-.301	-.337
CENTROID Y	:	.484	.233	.437
POA TO CENTROID in.	:	.661	.380	.552
MIN RADIUS	:	.256	.114	.140
MEAN RADIUS	:	1.194	1.012	.908
MAX RADIUS	:	2.630	1.655	1.687
HORIZONTAL SPREAD	:	1.885	.864	.864
VERTICAL SPREAD	:	4.139	2.879	2.680
EXTREME SPREAD	:	4.509	2.907	2.703
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

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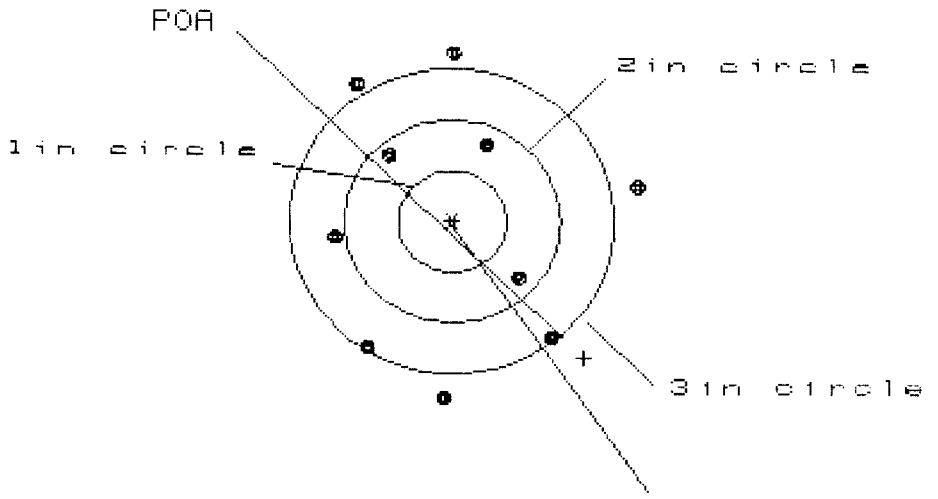
CENTERFIRE PATTERNS # 4



OF SHOTS= 10

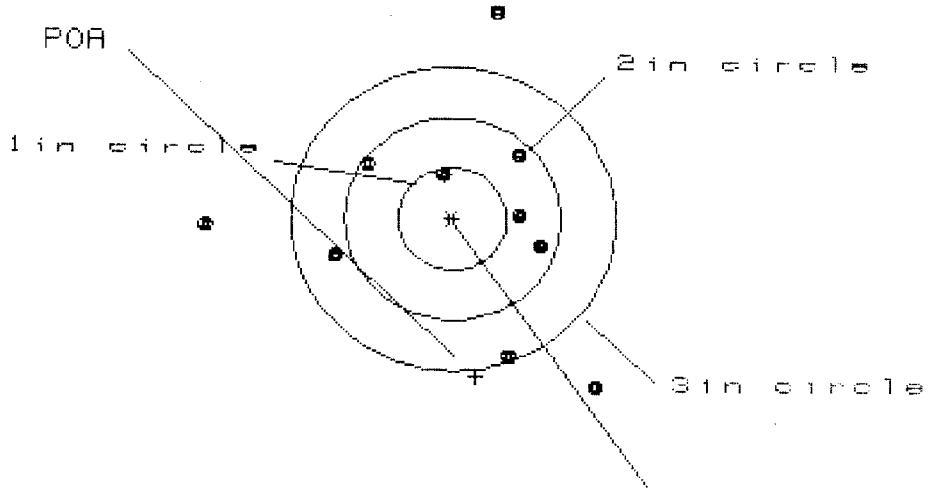
# IN CIR
1in = 0
2in = 3
3in = 6

HS= 2.723
VS= 3.425
GS= 3.426

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.676	1.664	1.075
MINIMUM X	:	-1.047	-1.059	-.851
MAXIMUM Y	:	1.659	1.463	1.488
MINIMUM Y	:	-1.766	-1.399	-1.374
CENTROID X	:	-1.215	-1.203	-1.411
CENTROID Y	:	1.346	1.542	1.517
POA TO CENTROID in.	:	1.813	1.956	2.071
MIN RADIUS	:	.763	.579	.652
MEAN RADIUS	:	1.322	1.252	1.180
MAX RADIUS	:	1.769	1.676	1.722
HORIZONTAL SPREAD	:	2.723	2.723	1.926
VERTICAL SPREAD	:	3.425	2.862	2.862
EXTREME SPREAD	:	3.426	3.097	3.097
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

19 Sep 1988 FILE:/PATTERNING/CENTERFIRE_PATT/C6225157

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

CENTROID *

# IN CIR
1in = 1
2in = 5
3in = 7

HS= 3.669
VS= 3.725
GS= 4.023

PATTERN # : 5

SHOTS (BEST OF) :	10	9	8
MAXIMUM X :	1.361	1.104	.672
MINIMUM X :	-2.308	-1.386	-1.248
MAXIMUM Y :	2.047	2.044	1.834
MINIMUM Y :	-1.678	-1.681	-1.610
CENTROID X :	-.213	.044	-.095
CENTROID Y :	1.558	1.561	1.771
POA TO CENTROID in.:	1.572	1.562	1.774
MIN RADIUS :	.473	.343	.343
MEAN RADIUS :	1.301	1.154	1.027
MAX RADIUS :	2.308	2.049	1.856
HORIZONTAL SPREAD :	3.669	2.490	1.920
VERTICAL SPREAD :	3.725	3.725	3.444
EXTREME SPREAD :	4.023	3.845	3.447
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		7	