C6225060

MODEL 700™ M24

Model 700 M24™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

07/17/08 08:10:26

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: RE00147683

Verify Repair

Serial: C6225060 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 7/17/2008 6:22:21 AM

Address Information

Customer: (Received From)		Return To: (Received From)	
Name:	PBO 1/75 RANGER REGIMENT		PBO 1/75 RANGER REGIMENT
Address 1:	ATTN : WO1 CURTIS B MATHIS		ATTN : WO1 CURTIS B MATHIS
Address 2:	1036 LIBERATOR RD PO Box:		1036 LIBERATOR RD PO Box:
City:	HUNTER AAF		HUNTER AAF
State:	GA Zip Code: 31409 Country: US	State:	GA Zip Code: 31409 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
A057	Frt and Rear Sgt Base	1
D000	MARS RAIL	1

Repair Search | Refresh | Close

nagletj | 7/17/2008 | 8:10 AM | CAPS | NUM | INS | SCRL

Start | In Micr... | Excite Mai... | B-Micros... | Arms Ser... | Part Sear... | 8:10 AM

Reset

Number: C6225060

Model: M24 SWS

RE00147683

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

R & E NUMBER 147683

SERIAL NUMBER C6225068

LOG-IN DATE 7-17-08

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		9-29-08	RTC
505	RE-BARREL		9-30-08	RTC
560	ASSEMBLE		9-30-08	RTC
600	PROOF		10-2-08	
605	CHECK HEADSPACE		10-2-08	
610	DIS-ASSEMBLE GUN		10-2-08	
612	MAGNAFLUX	MAGNA - FLUX ULI 08 2008 OPERATOR	10/8/08	
510	DRILL AND TAP		10-6-08	SP
615	ROLLMARK CALIBER		10/8/08	RT
618	ROTO-BLAST			
620	APPLY COATINGS		1011	
625	FINAL ASSEMBLY		10/14/08	RTC
640	FUNCTION TEST AND	PASS FAIL	10-15-08	TC
650	TARGET	PASS FAIL	10-15-08	TC
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	10-15-08	RGW
670	FINAL INSPECTION		10-22-08	
	A) HEADSPACE	PASS FAIL	10-22-08	
	B) TRIGGER PULL (+/- .5 LBS; MIN 2.50 LBS; MAX 4.0 LBS)	2.44 2.43 2.44 2.50 2.48	10-17-08	TC
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	3.0 3.0 3.5	10-22-08	
	G) SAFETY OFF FORCE (2 LBS MIN)	5.0 5.0	10-22-08	
	I) FIRING PIN INDENT .020	.020 .020 .020	10-22-08	
690	PACK		10/23/08	FM

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225060.__0
FILE DATE AND TIME: 10/16/2008 07:09

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

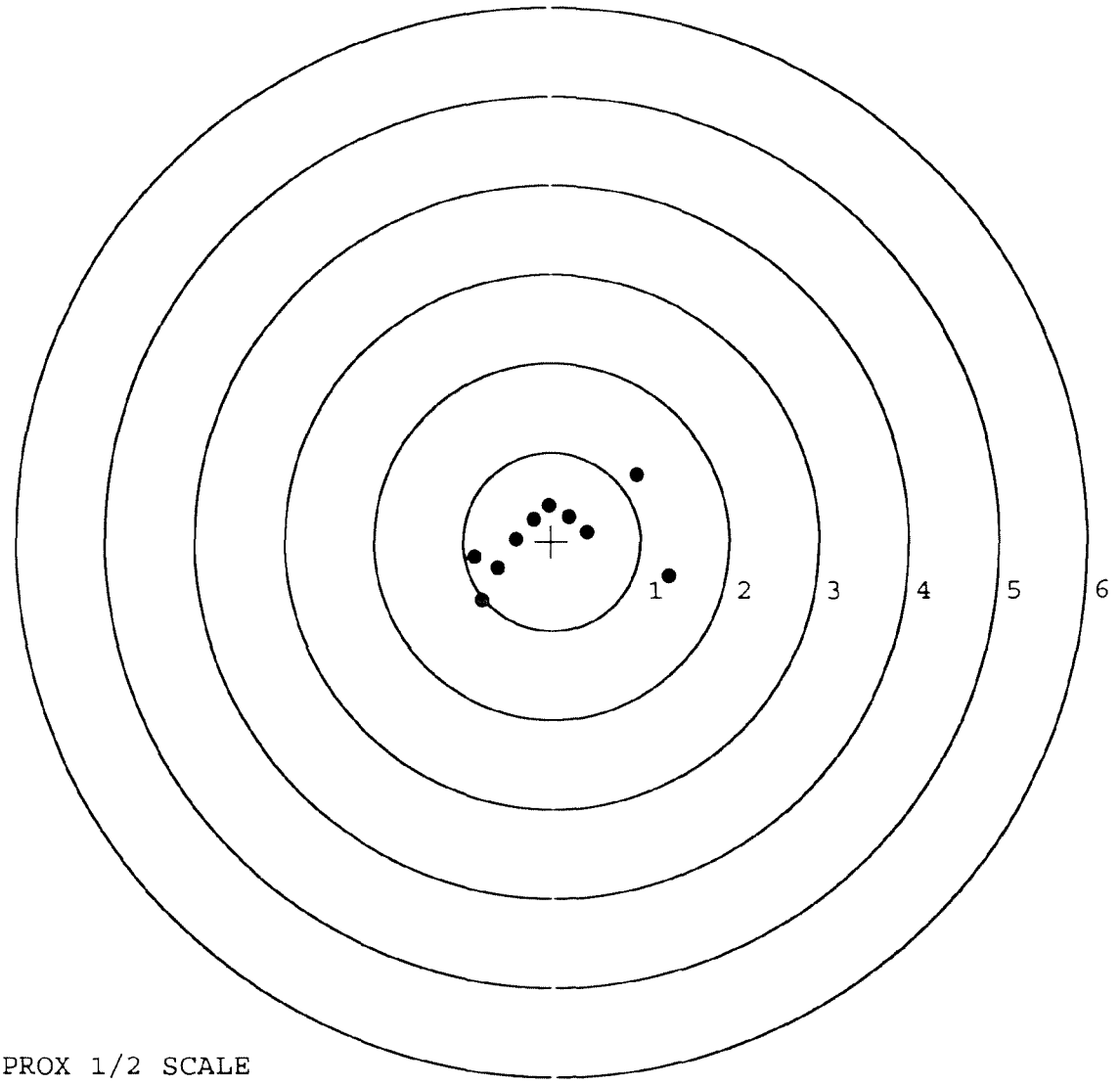
The Average X Centroid of the Five Target Set:	-0.098
The Average Y Centroid of the Five Target Set:	-0.106
The Average Point of Impact of the Five Target Set:	0.145
The Average Mean Radius of the Five Target Set:	0.600
The Distance from POA to Centroid Target #1:	0.027
The Distance from Centroid Target #2 to Centroid Target #1:	0.520
The Distance from Centroid Target #3 to Centroid Target #1:	0.387
The Distance from Centroid Target #4 to Centroid Target #1:	0.246
The Distance from Centroid Target #5 to Centroid Target #1:	0.286

BARBER - M24 0047976

SERIAL NUMBER: C6225060.__0
TARGET NUMBER: 1
FILE DATE: 10/16/2008
FILE TIME: 07:09

X CENTROID:	-0.002
Y CENTROID:	0.027
POA TO CENTROID:	0.027
HORZ SPREAD:	2.184
VERT SPREAD:	1.414
GROUP SPREAD:	2.195
MIN RADIUS:	0.296
MAX RADIUS:	1.385
MEAN RADIUS:	0.703
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.317	-0.395
2:	0.963	0.748
3:	0.400	0.113
4:	0.198	0.277
5:	-0.027	0.406
6:	-0.200	0.247
7:	-0.402	0.026
8:	-0.867	-0.179
9:	-0.612	-0.306
10:	-0.792	-0.666



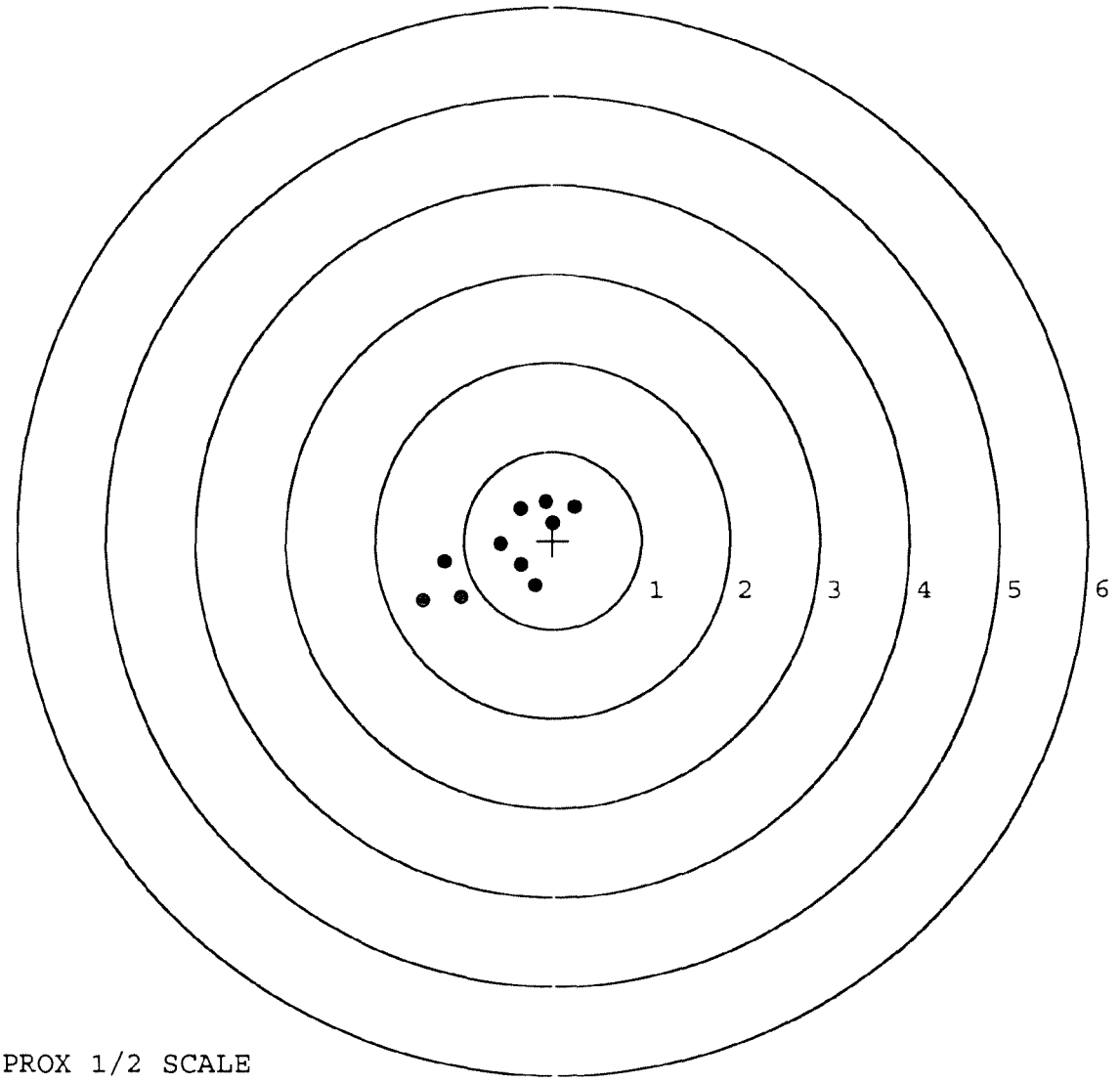
TARGET APPROX 1/2 SCALE

BARBER - M24 0047977

SERIAL NUMBER: C6225060.__0
TARGET NUMBER: 2
FILE DATE: 10/16/2008
FILE TIME: 07:09

X CENTROID:	-0.505
Y CENTROID:	-0.104
POA TO CENTROID:	0.516
HORZ SPREAD:	1.712
VERT SPREAD:	1.123
GROUP SPREAD:	2.014
MIN RADIUS:	0.101
MAX RADIUS:	1.122
MEAN RADIUS:	0.609
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-1.465	-0.685
2:	-1.215	-0.245
3:	-1.037	-0.651
4:	-0.197	-0.510
5:	-0.355	-0.274
6:	-0.587	-0.045
7:	-0.363	0.355
8:	-0.078	0.438
9:	-0.004	0.198
10:	0.247	0.375



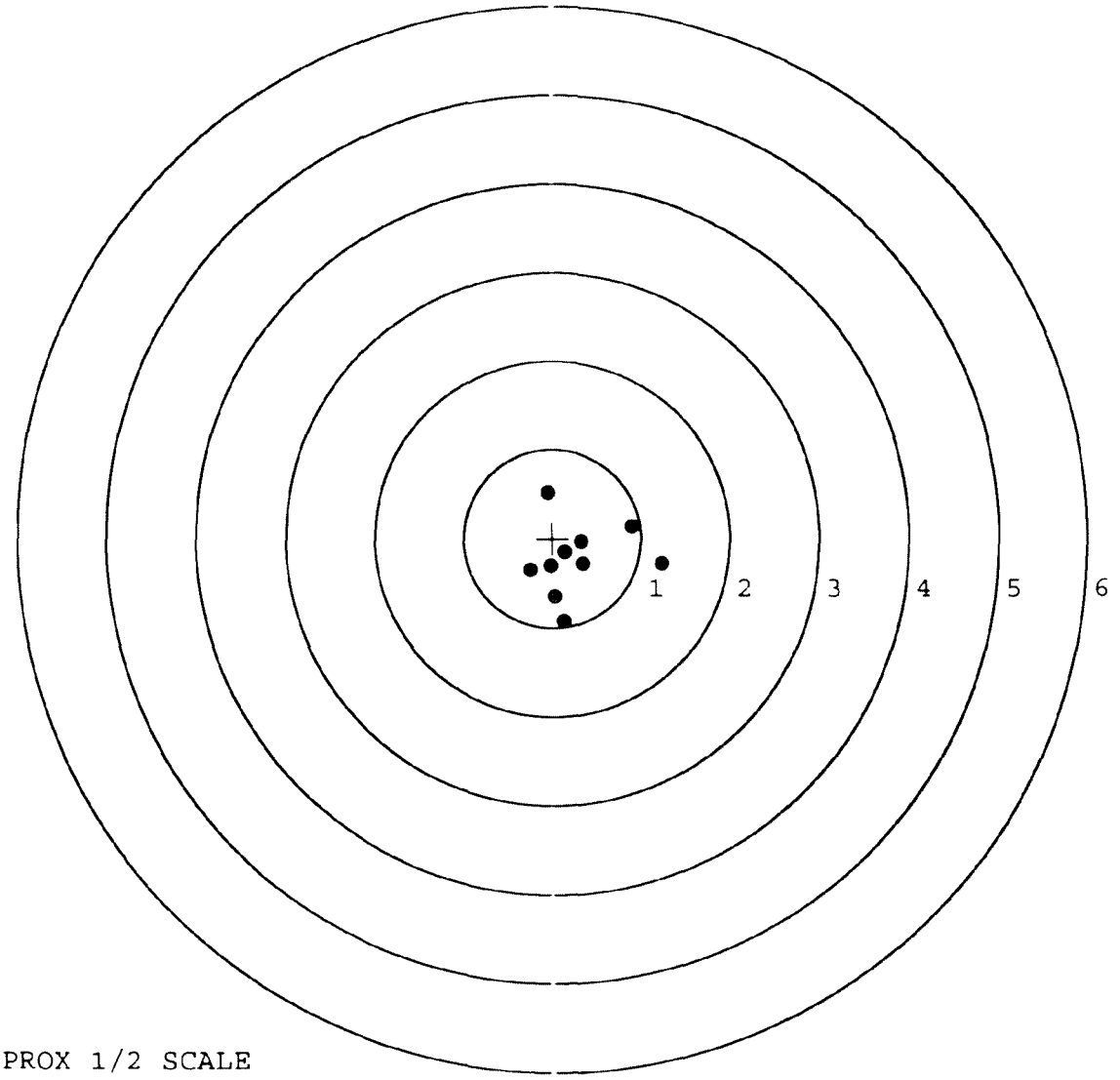
TARGET APPROX 1/2 SCALE

BARBER - M24 0047978

SERIAL NUMBER: C6225060.__0
TARGET NUMBER: 3
FILE DATE: 10/16/2008
FILE TIME: 07:09

X CENTROID:	0.280
Y CENTROID:	-0.238
POA TO CENTROID:	0.367
HORZ SPREAD:	1.489
VERT SPREAD:	1.446
GROUP SPREAD:	1.514
MIN RADIUS:	0.084
MAX RADIUS:	0.959
MEAN RADIUS:	0.500
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.053	0.507
2:	0.897	0.136
3:	1.238	-0.284
4:	0.130	-0.939
5:	0.030	-0.658
6:	-0.251	-0.356
7:	-0.017	-0.310
8:	0.146	-0.156
9:	0.325	-0.039
10:	0.351	-0.282



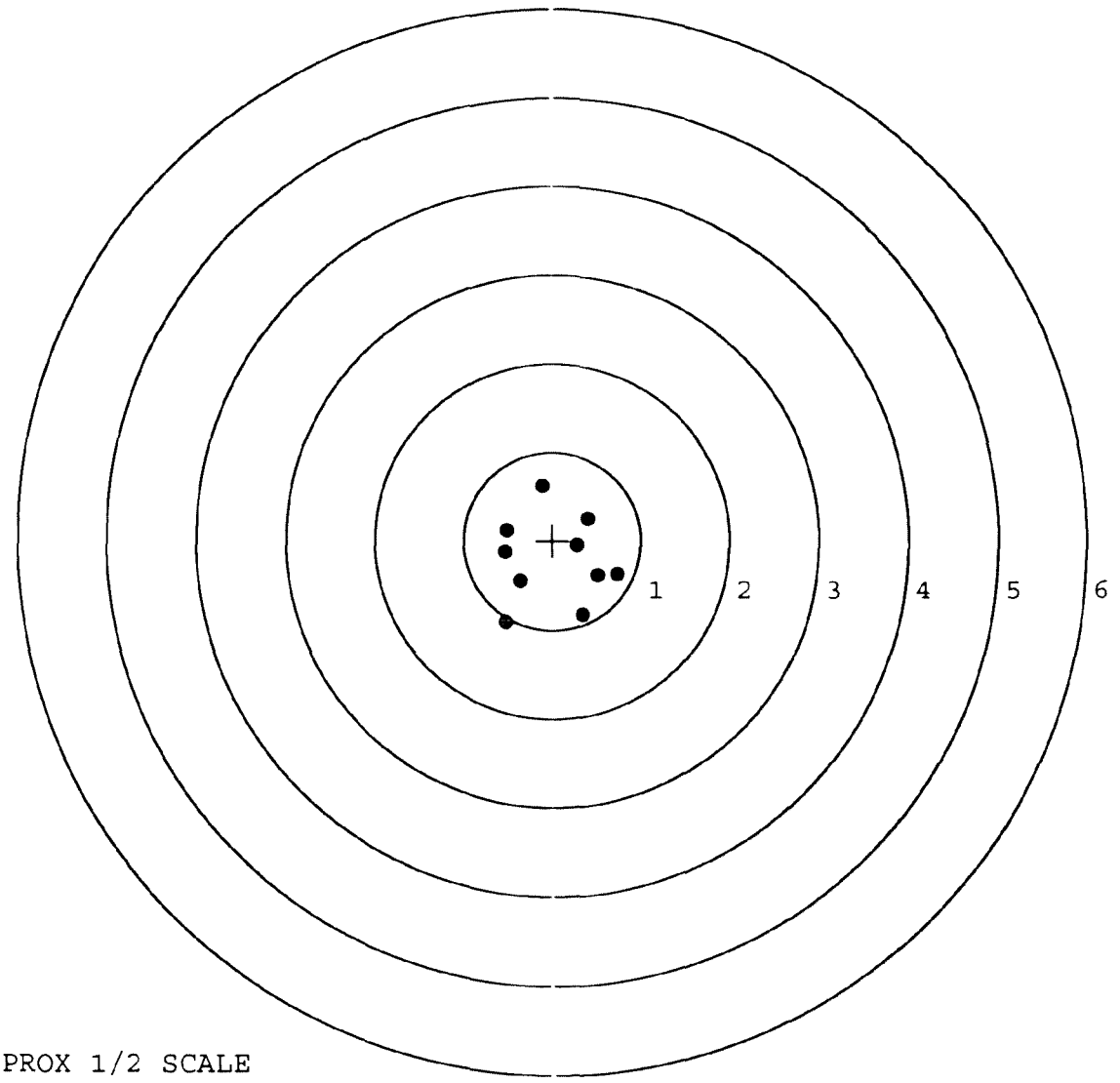
TARGET APPROX 1/2 SCALE

BARBER - M24 0047979

SERIAL NUMBER: C6225060.__0
TARGET NUMBER: 4
FILE DATE: 10/16/2008
FILE TIME: 07:09

X CENTROID:	0.023
Y CENTROID:	-0.218
POA TO CENTROID:	0.219
HORZ SPREAD:	1.268
VERT SPREAD:	1.532
GROUP SPREAD:	1.589
MIN RADIUS:	0.298
MAX RADIUS:	0.890
MEAN RADIUS:	0.624
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.531	-0.915
2:	0.345	-0.831
3:	-0.364	-0.457
4:	-0.531	-0.132
5:	-0.515	0.116
6:	-0.110	0.617
7:	0.404	0.251
8:	0.275	-0.059
9:	0.520	-0.391
10:	0.737	-0.378



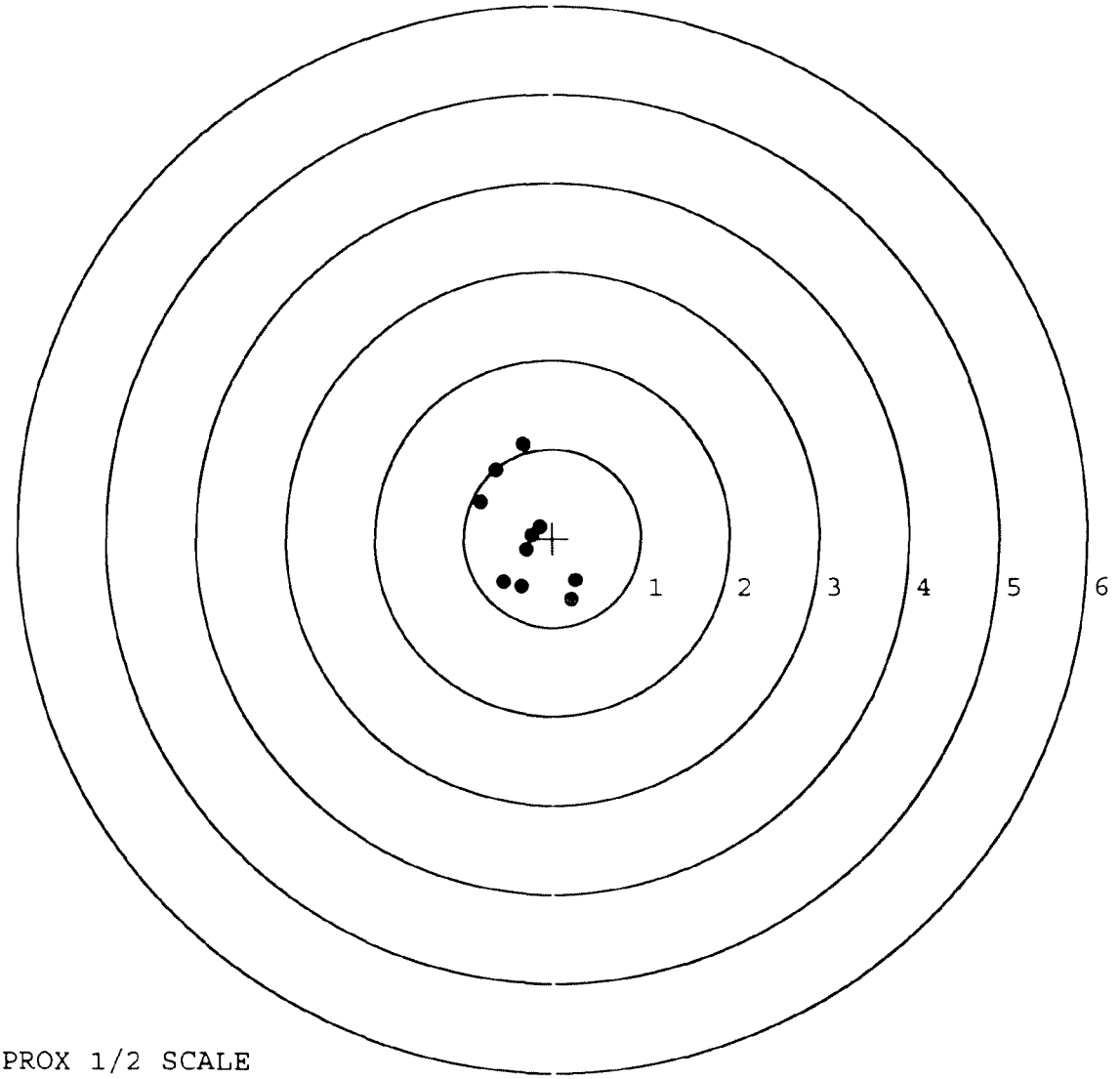
TARGET APPROX 1/2 SCALE

BARBER - M24 0047980

SERIAL NUMBER: C6225060.__0
TARGET NUMBER: 5
FILE DATE: 10/16/2008
FILE TIME: 07:09

X CENTROID:	-0.287
Y CENTROID:	0.002
POA TO CENTROID:	0.287
HORZ SPREAD:	1.069
VERT SPREAD:	1.738
GROUP SPREAD:	1.821
MIN RADIUS:	0.058
MAX RADIUS:	1.049
MEAN RADIUS:	0.562
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.328	1.050
2:	-0.634	0.755
3:	-0.809	0.394
4:	-0.141	0.132
5:	-0.240	0.036
6:	-0.295	-0.129
7:	-0.550	-0.506
8:	-0.352	-0.548
9:	0.217	-0.688
10:	0.260	-0.480



TARGET APPROX 1/2 SCALE

Scope # 1066

M-24

CT # DAAA21-87-C-0086

INTERCHA

SERIAL # C6225060

		READINGS	DATE	INITIAL
			9 12 88	FB
6			9 19 88	RW
607	dspace		9 19 88	RW
610	Dis-assemble gun		9 19 88	RW
612	Magnaflux Barrel Action		9 22 88	pfe.
	Magnaflux Bolt		9 22 88	pfe.
615	Rollmark Caliber		10/12	WC
617	Drill & Tap Sight Holes		10/12	FB
618	Polish Barrel		10/20	WT
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A)Clean inside of Bolt Assembly		11/4/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/4/88	RW
	C) Inspect Ejector Hole for Chamfer		11/4/88	RW

OVER

OP.#		READINGS			DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y				11/4/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake				9NOV88	JC
	F) Safety on Force	4.5	4	4	9NOV88	JS
	G) Safety off Force	3	3	3	9NOV88	JS
	H) Trigger Pull Test & Retainabilty				9NOV88	JC
	I) Firing Pin Indent	.021	.021	.021	9NOV88	JS
	J) Assemble Stock				11/10/88	RW
	K) Attach Front & Rear Sight Assemblies				11/10/88	RW
	L) Iron Sight Alignment				11/10/88	RW
	M) Detach Front & Rear Sights & place in numbered container				11/10/88	RW
	N) Attach Scope to Rifle				11/15/88	WB
	O) Detach & Attach Scope 20 times				11/15/88	WB
640	Gallery Target & Test	55 R		98L	11/16/88	DH
	A) Optical Clearity of Scope				11/16/88	DH
645	Inspect for Live Ammo				11/16/88	DH
655	Final Inspection A) Headspace				30NOV88	JS
	B) Trigger Pull	2.67	2.66	2.60	2.61	2.59	JS
	C) Function				30NOV88	JS
	D) Assemble Swivel Studs				30NOV88	JS
660	Pack				12/5/88	RW

0.2

SWS TRIGGER PULL TEST

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

SERIAL NO. C6225060

DATE 9/16/88

TESTER J.A.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.29	2.46	2.67	MIN. SETTING,
PULL #2	2.34	2.27	2.44	2.66	NO AVG. OF 5
PULL #3	2.35	2.24	2.42	2.60	READINGS ACCEPT-
PULL #4	2.34	2.25	2.43	2.61	ABLE LESS THAN 2#
PULL #5	2.35	2.27	2.43	2.59	
TOTAL	11.73	11.32	12.18	13.13	
AVG.	2.346	2.264	2.436	2.626	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.18		
PULL #2	3.02	3.14		
PULL #3	3.15	3.20		
PULL #4	3.16	3.18		
PULL #5	3.17	3.17		
TOTAL	15.66	15.87		
AVG.	3.132	3.174		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.30		4.05
PULL #2	4.25	4.30		4.02
PULL #3	4.29	4.31		4.05
PULL #4	4.25	4.33		4.04
PULL #5	4.21	4.37		4.05
TOTAL	21.22	21.61		20.21
AVG.	4.244	4.322		4.042

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225060

CENTROIDAL DISTANCES

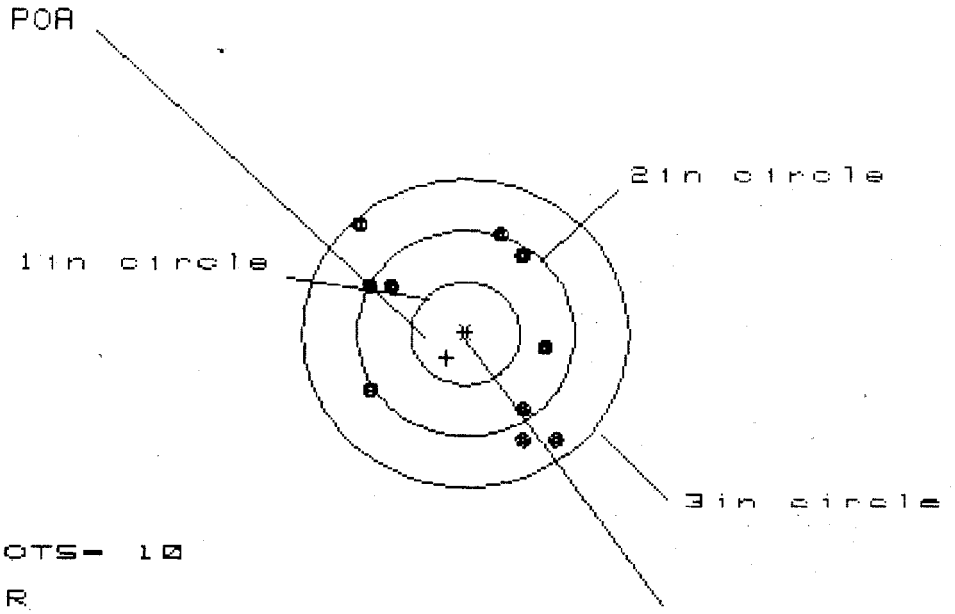
0	TO	1	.293402
1	TO	2	.317775
1	TO	3	.565984
1	TO	4	.465022
1	TO	5	.292898

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0642
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0158
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0661157

THE AMR FOR THIS RIFLE IS: .9426

17 Nov 1988 FILE:/PATTERNING/CENTERFIRE_PATT/C6225060

CENTERFIRE PATTERNS # 1

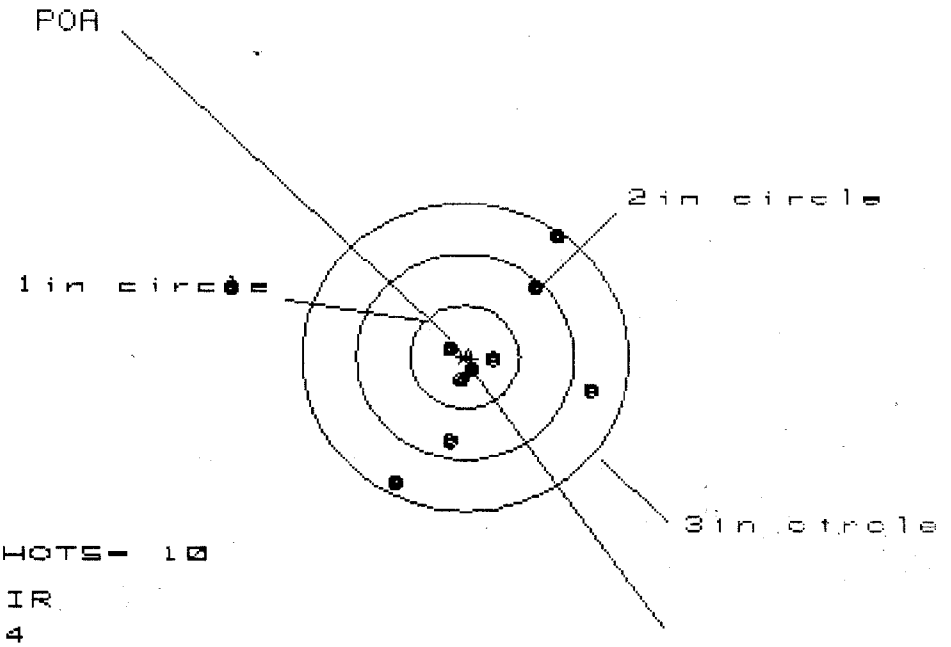


# OF SHOTS= 10
# IN CIR
1in = 0
2in = 6
3in = 10
HS= 1.783
VS= 2.128
GS= 2.771

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.852	.748	.752
MINIMUM X	:	-.931	-1.019	-.925
MAXIMUM Y	:	1.046	1.049	.929
MINIMUM Y	:	-1.082	-.966	-1.086
CENTROID X	:	.177	.280	.186
CENTROID Y	:	.234	.118	.238
POA TO CENTROID in.	:	.293	.304	.302
MIN RADIUS	:	.772	.659	.763
MEAN RADIUS	:	1.043	.991	.957
MAX RADIUS	:	1.400	1.216	1.184
HORIZONTAL SPREAD	:	1.783	1.767	1.678
VERTICAL SPREAD	:	2.128	2.015	2.015
EXTREME SPREAD	:	2.771	2.307	2.047
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Nov 1988 FILE:/PATTERNING/CENTERFIRE_PATT/C6225060

CENTERFIRE PATTERNS # 2



# OF SHOTS= 10
# IN CIR
1in = 4
2in = 6
3in = 9
HS= 3.368
VS= 2.493
GS= 3.516

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.204	.963	1.039
MINIMUM X	:	-2.164	-.872	-.796
MAXIMUM Y	:	1.225	1.303	.956
MINIMUM Y	:	-1.268	-1.190	-1.027
CENTROID X	:	-.057	.184	.108
CENTROID Y	:	.019	-.059	-.222
POA TO CENTROID in.	:	.060	.193	.246
MIN RADIUS	:	.156	.052	.138
MEAN RADIUS	:	.903	.727	.637
MAX RADIUS	:	2.276	1.475	1.300
HORIZONTAL SPREAD	:	3.368	1.835	1.835
VERTICAL SPREAD	:	2.493	2.493	1.983
EXTREME SPREAD	:	3.516	2.898	2.383
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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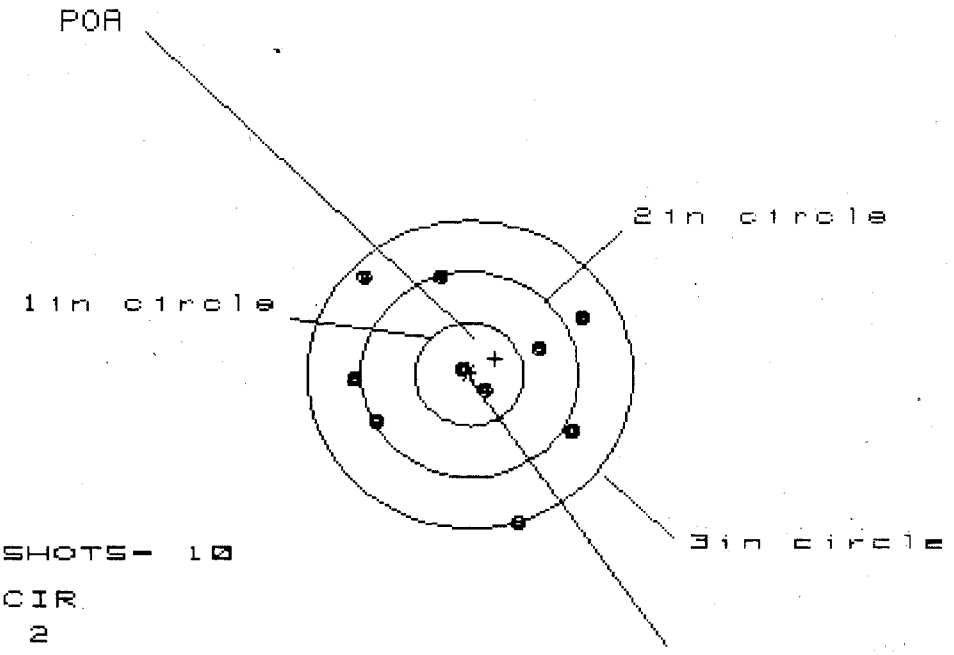
CENTERFIRE PATTERNS # 3



OF SHOTS= 10

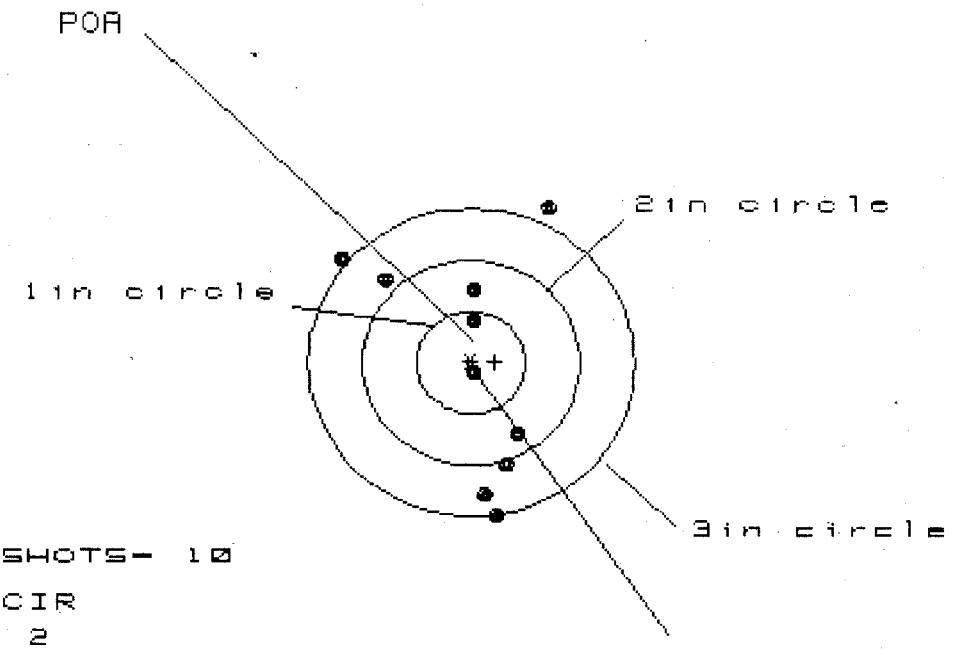
# IN CIR	
1in	2
2in	3
3in	9

HS= 2.140
VS= 2.471
GS= 2.776

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.062	1.115	1.006
MINIMUM X	:	-1.078	-1.025	-1.134
MAXIMUM Y	:	.989	.824	.917
MINIMUM Y	:	-1.482	-.755	-.662
CENTROID X	:	-.236	-.289	-.180
CENTROID Y	:	-.153	.012	-.081
POA TO CENTROID in.	:	.281	.289	.198
MIN RADIUS	:	.053	.143	.115
MEAN RADIUS	:	.919	.856	.794
MAX RADIUS	:	1.558	1.281	1.139
HORIZONTAL SPREAD	:	2.140	2.140	2.140
VERTICAL SPREAD	:	2.471	1.579	1.579
EXTREME SPREAD	:	2.776	2.427	2.214
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

17 Nov 1988 FILE:/PATTERNING/CENTERFIRE_PATT/C0225060

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

# IN CIR
1in = 2
2in = 4
3in = 8

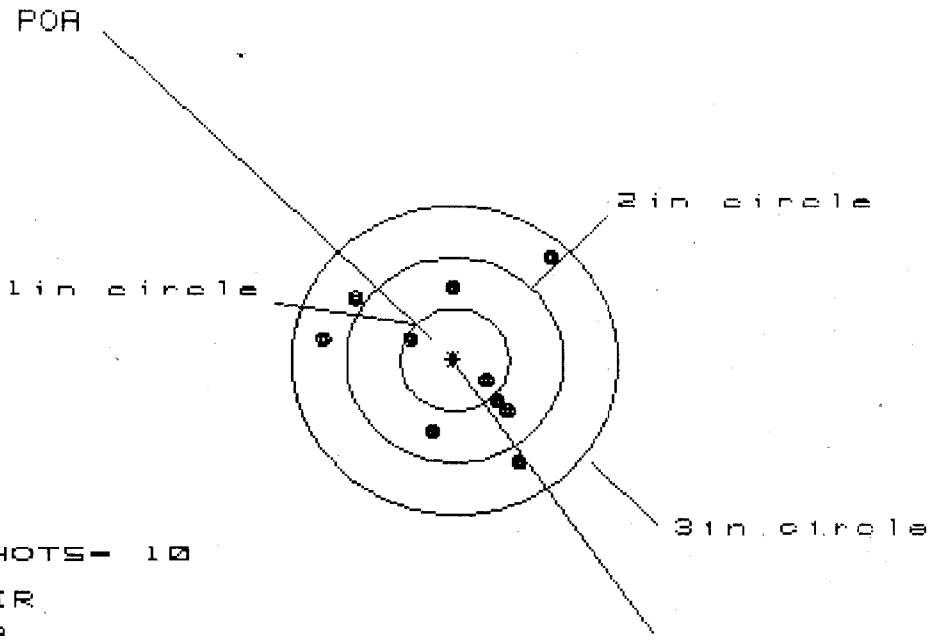
HS= 1.838
VS= 2.965
GS= 2.999

PATTERN # : 4

SHOTS (BEST OF) :	10	9	8
MAXIMUM X :	.678	.524	.388
MINIMUM X :	-1.160	-1.085	-.796
MAXIMUM Y :	1.492	1.211	1.178
MINIMUM Y :	-1.473	-1.307	-1.156
CENTROID X :	-.217	-.292	-.156
CENTROID Y :	-.013	-.179	-.330
POA TO CENTROID in.:	.217	.342	.365
MIN RADIUS :	.099	.089	.234
MEAN RADIUS :	1.020	.950	.853
MAX RADIUS :	1.639	1.626	1.422
HORIZONTAL SPREAD :	1.838	1.609	1.184
VERTICAL SPREAD :	2.965	2.518	2.334
EXTREME SPREAD :	2.999	2.876	2.526
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

17 Nov 1988 FILE:/PATTERNING/CENTERFIRE_PATT/C6225060

CENTERFIRE PATTERNS # 5



# OF SHOTS= 10
# IN CIR
1in = 2
2in = 6
3in = 10
HS= 2.124
VS= 2.017
GS= 2.259

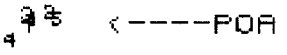
PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.904	.728	.588
MINIMUM X	:	-1.220	-1.120	-.998
MAXIMUM Y	:	.987	.772	.816
MINIMUM Y	:	-1.030	-.920	-.876
CENTROID X	:	.012	-.088	.052
CENTROID Y	:	-.008	-.118	-.162
POA TO CENTROID in.	:	.015	.147	.170
MIN RADIUS	:	.348	.406	.261
MEAN RADIUS	:	.828	.766	.685
MAX RADIUS	:	1.338	1.176	1.238
HORIZONTAL SPREAD	:	2.124	1.848	1.586
VERTICAL SPREAD	:	2.017	1.692	1.692
EXTREME SPREAD	:	2.259	2.259	2.259
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225060

CENTROIDAL DISTANCES

0	TO	1	.123843
1	TO	2	.333035
1	TO	3	.144278
1	TO	4	.555685
1	TO	5	.438114



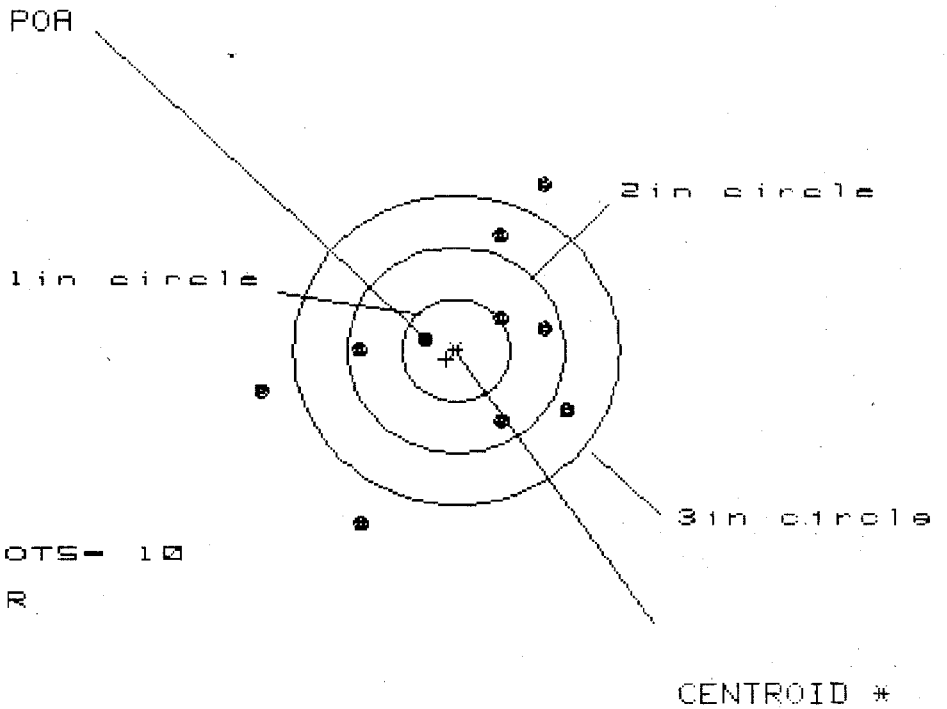
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1348
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0602
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .147632

THE AMR FOR THIS RIFLE IS: .8504

INTERCHANGEABILITY

13 Dec 1988 FILE:/PATTERNING/CENTERFIRE_PATT/C6225060.1

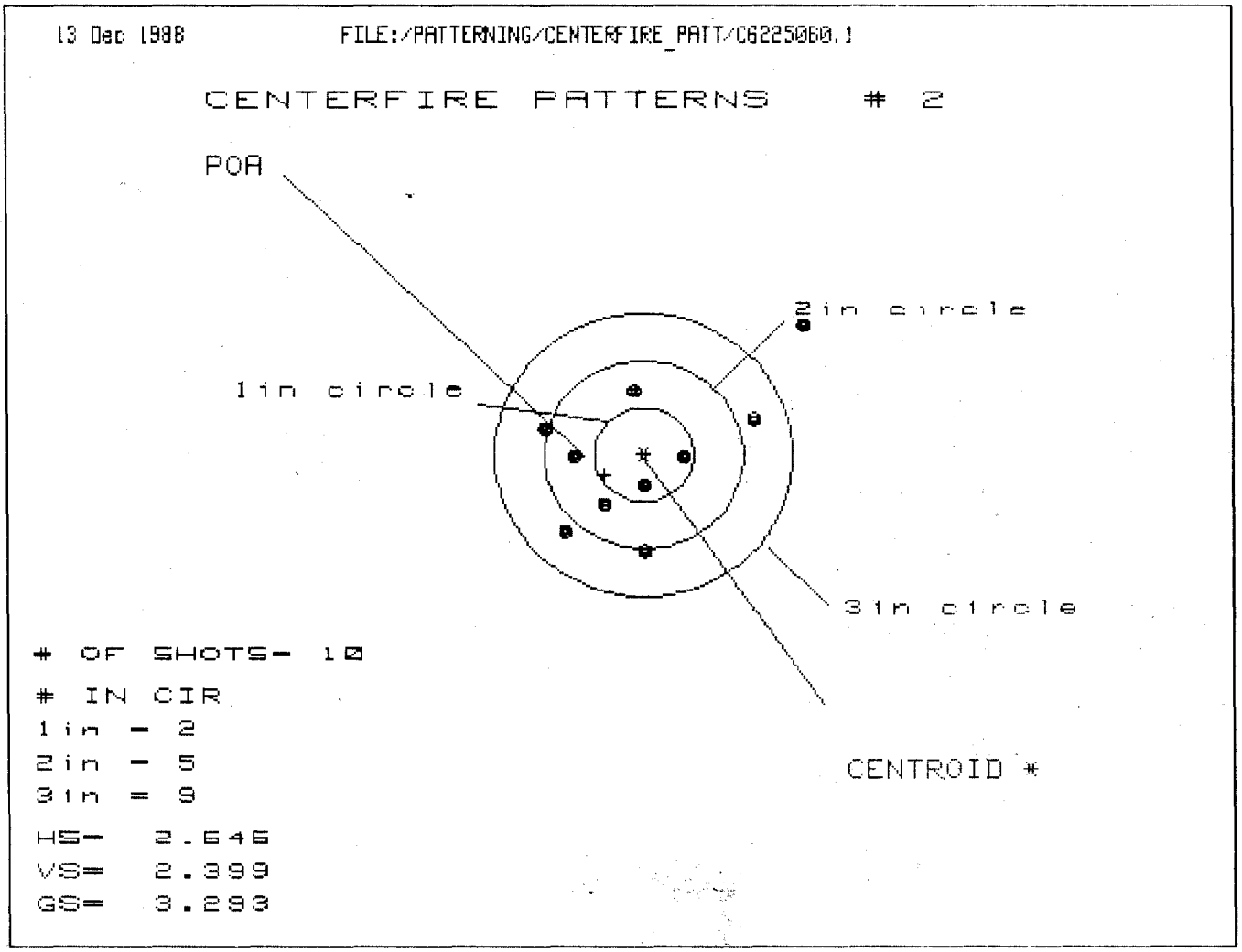
CENTERFIRE PATTERNS # 1



# OF SHOTS= 10
# IN CIR
1in = 1
2in = 5
3in = 7
HS= 2.783
VS= 3.239
GS= 3.648

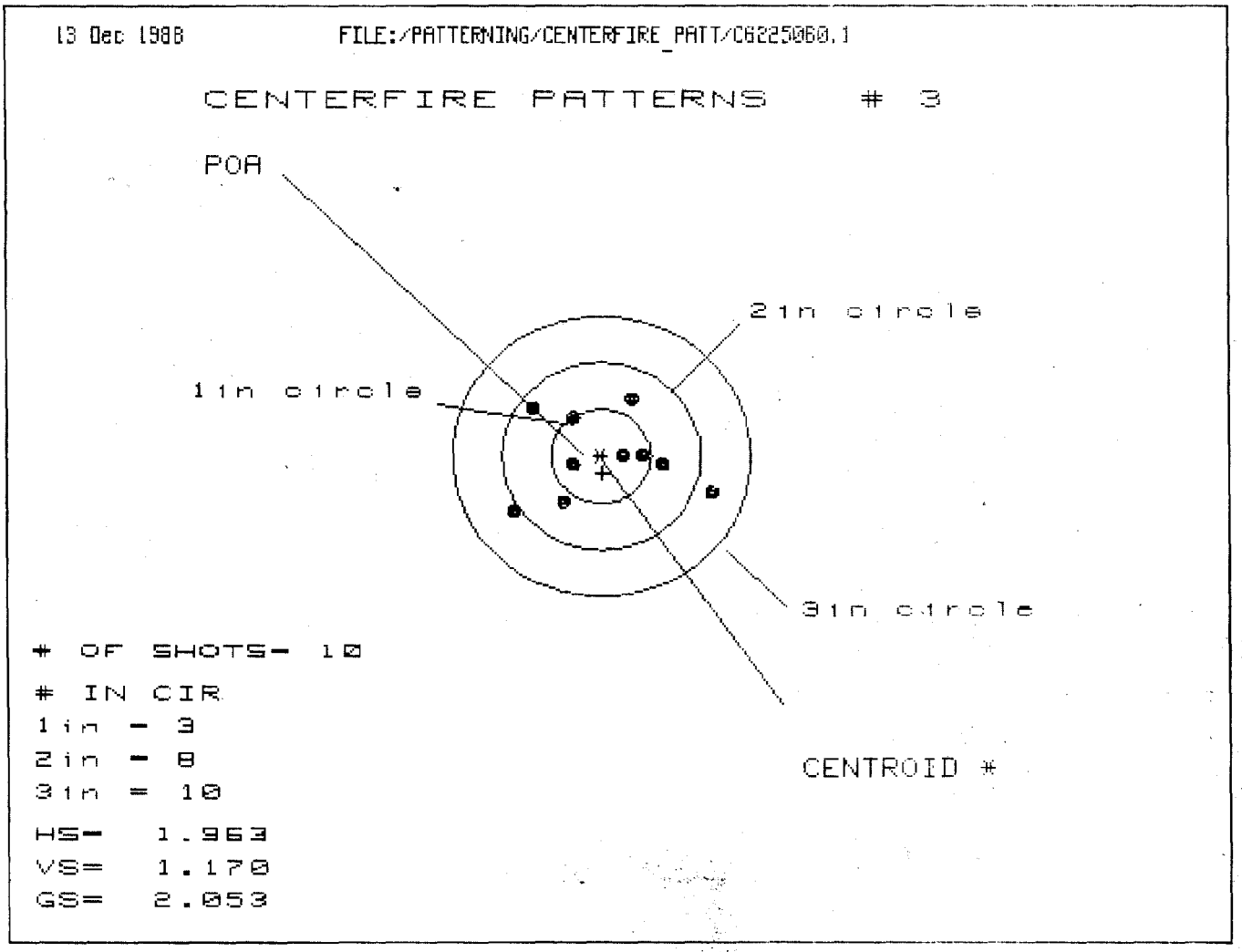
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.010	.917	.683
MINIMUM X	:	-1.773	-1.866	-1.256
MAXIMUM Y	:	1.577	1.392	1.322
MINIMUM Y	:	-1.662	-.903	-.973
CENTROID X	:	.091	.184	.418
CENTROID Y	:	.084	.269	.339
POA TO CENTROID in.	:	.123	.326	.538
MIN RADIUS	:	.297	.353	.129
MEAN RADIUS	:	1.117	1.010	.849
MAX RADIUS	:	1.864	1.950	1.416
HORIZONTAL SPREAD	:	2.783	2.783	1.939
VERTICAL SPREAD	:	3.239	2.295	2.295
EXTREME SPREAD	:	3.648	3.260	2.375
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

INTERCHANGEABILITY



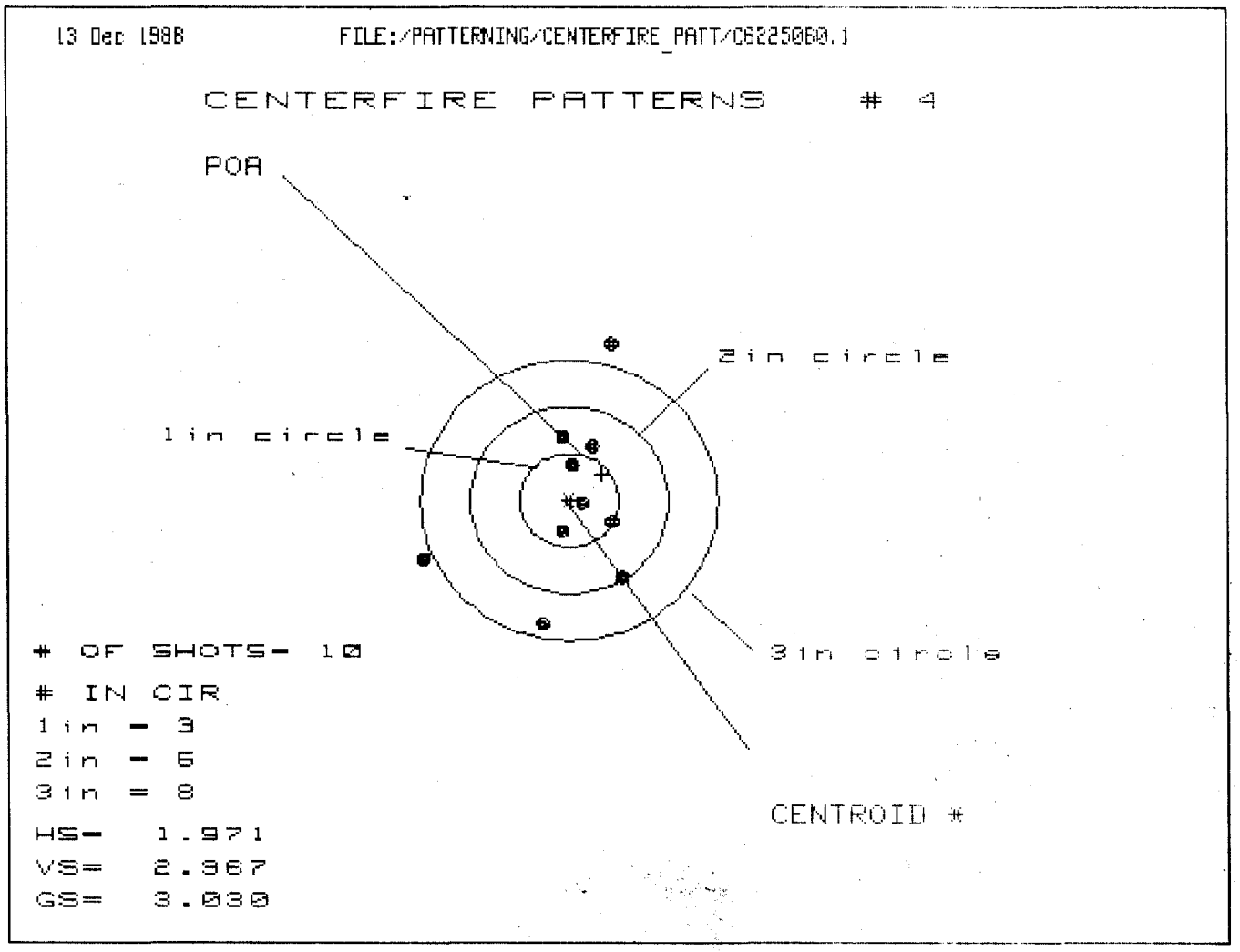
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.602	1.279	.718
MINIMUM X	:	-1.044	-.866	-.706
MAXIMUM Y	:	1.399	.880	.953
MINIMUM Y	:	-1.000	-.844	-.771
CENTROID X	:	.395	.217	.057
CENTROID Y	:	.220	.064	-.009
POA TO CENTROID in.	:	.452	.226	.058
MIN RADIUS	:	.350	.264	.337
MEAN RADIUS	:	.939	.762	.661
MAX RADIUS	:	2.127	1.405	.981
HORIZONTAL SPREAD	:	2.646	2.145	1.424
VERTICAL SPREAD	:	2.399	1.724	1.724
EXTREME SPREAD	:	3.293	2.291	1.725
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

INTERCHANGEABILITY



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.090	.744	.650
MINIMUM X	:	-.873	-.752	-.706
MAXIMUM Y	:	.601	.554	.477
MINIMUM Y	:	-.569	-.616	-.638
CENTROID X	:	-.013	-.134	-.040
CENTROID Y	:	.184	.231	.308
POA TO CENTROID in.	:	.185	.267	.311
MIN RADIUS	:	.246	.218	.280
MEAN RADIUS	:	.659	.597	.538
MAX RADIUS	:	1.169	.972	.811
HORIZONTAL SPREAD	:	1.963	1.496	1.356
VERTICAL SPREAD	:	1.170	1.170	1.115
EXTREME SPREAD	:	2.053	1.650	1.482
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

INTERCHANGEABILITY

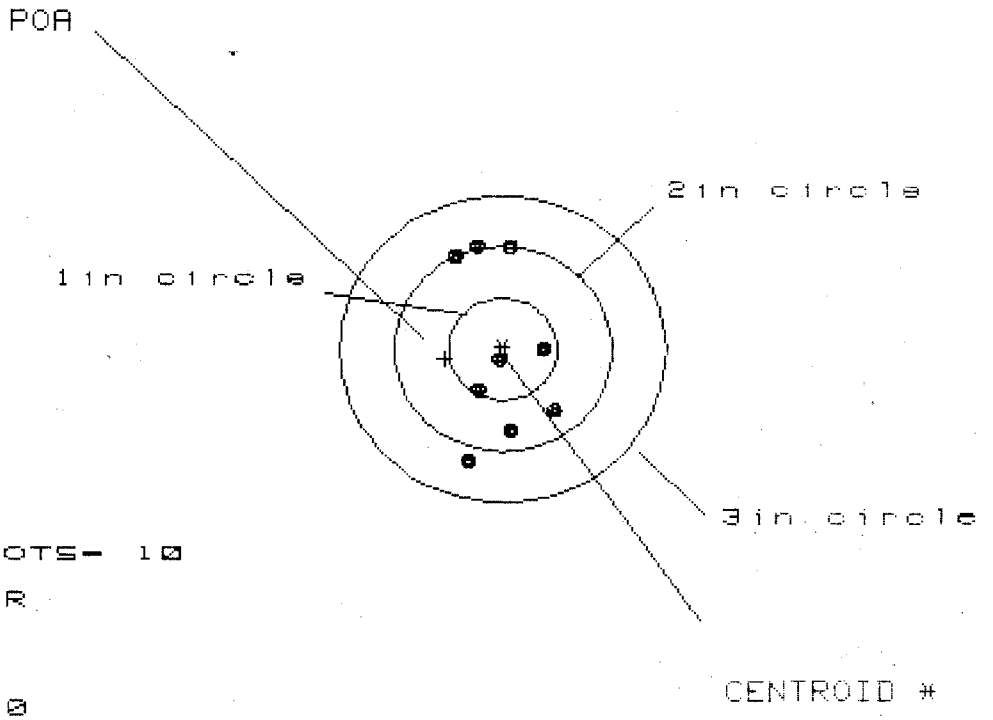


PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.549	.592	.420
MINIMUM X	:	-1.422	-1.379	-.359
MAXIMUM Y	:	1.656	.829	.775
MINIMUM Y	:	-1.311	-1.127	-1.181
CENTROID X	:	-.328	-.371	-.199
CENTROID Y	:	-.281	-.465	-.411
POA TO CENTROID in.	:	.432	.595	.456
MIN RADIUS	:	.161	.106	.067
MEAN RADIUS	:	.822	.728	.597
MAX RADIUS	:	1.700	1.447	1.235
HORIZONTAL SPREAD	:	1.971	1.971	.779
VERTICAL SPREAD	:	2.967	1.956	1.956
EXTREME SPREAD	:	3.030	2.031	1.973
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

INTERCHANGEABILITY

13 Dec 1988 FILE:/PATTERNING/CENTERFIRE_PATT/C6225060.1

CENTERFIRE PATTERNS # 5



# OF SHOTS= 10
# IN CIR
1in = 4
2in = 6
3in = 10
HS= .912
VS= 2.116
GS= 2.152

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.440	.400	.400
MINIMUM X	:	-.472	-.512	-.512
MAXIMUM Y	:	1.040	.920	1.010
MINIMUM Y	:	-1.076	-.929	-.814
CENTROID X	:	.529	.569	.569
CENTROID Y	:	.094	.214	.099
POA TO CENTROID in.	:	.538	.607	.578
MIN RADIUS	:	.107	.227	.113
MEAN RADIUS	:	.715	.676	.616
MAX RADIUS	:	1.133	.933	1.038
HORIZONTAL SPREAD	:	.912	.912	.912
VERTICAL SPREAD	:	2.116	1.849	1.824
EXTREME SPREAD	:	2.152	1.849	1.838
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

M-24

GFM

CONTRACT # DAAA21-87-C-0086

New Barrel / New Stock

GUN SERIAL # C6275060

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/18/93	RW
600	Proof		8/18/93	RW
607	Check Headspace		8/18/93	RW
610	Dis-assemble Gun		8/18/93	RW
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		8/30/93	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/30/93	RW
	C) Inspect Ejector Hole for Chamfer		8/30/93	RW
	D) Oil Firing Pin Ass'y		8/30/93	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force			
	G) Safety Off Force			
	H) Trigger Pull Test & Retainability			
	I) Firing Pin Indent			
	J) Assemble Stock		8/30/93	RW
	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			
	Gallery Target & Test		8/30/93	RW
	A) Time			
	B) Malfunctions			
	C) Pierced Primers			
	D) Optical Clearity of Scope			
645	Inspect for Live Ammo		8/30/93	RW
655	Final Inspection A) Headspace		8/31/93	RW
	B) Trigger Pull	2.79 2.79 2.83 2.84 2.83	8/31/93	RW
	C) Function		8/30/93	RW
660	Pack			

BARBER - M24 0047998

RECEIVING AND ESTIMATING REPORT

COMMENTS: ATTN: FRED MARTIN M24 W/ULTRA 10X-M3A SCOPE

ORDER: R 93-16859

INITIAL	CUSTOMER ORDER NO.
FPS	

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE	
08/17/93	08/17/93	DI 9-88	C6225060		700 7.62	NATO

ACCESSORIES: HARD CASE SCOPE MNTS SCOPE BASE W/STUDS

FROM:

CDR, 1ST BN 75TH RANGER REGT
ATTN: B CO. 1/75 RGR
BLDG 1279A
HAAF GA 31409

SHIP TO:

CDR, 1ST BN 75TH RANGER REGT
ATTN: B CO. 1/75 RGR
BLDG 1279A
HAAF GA 31409

CUST NO:059608 C.O.D

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE	PROM. DATE	ESTIMATED	VIA
		☐			UPS

GUN CONDITION
- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

REPAIR CHARGE	
EXCISE	
TAX	
INSURANCE	
UPS	
PARCEL POST	
TOTAL	

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT: 10,000 Rds on Gun

PARTS

Barrel ASSY - 96002
Stock ASSY - 96018

COMMENTS: New Barrel, New Stock
Rezinc - Scope Base, Scope Rings
Swivel Stud's.
Re powder Coat - Floor plate Latch,
Trigger Guard, Front & Rear Sight
Bases

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
RW	✓	✓	✓	✓	
GALLERY TESTER	**DATE**	**DATE**	**DATE**	**DATE**	**DATE**
RW	8/18/93	8/30/93	8/30/93	8/30/93	

OFFICE COPY

RD6925 REV. 1/92

MAINTENANCE REQUEST

For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG

PAGE NO.	NO OF PAGES	REQUIREMENTS CONTROL SYMBOL
		CSGLD - 1047(R1)

SECTION I - EQUIPMENT DATA

CONTROL NUMBER	WORK ORDER NO.	WESDC	ORG. PD	PD AUTHENTICATION

- [x] Work Request
- [ ] MWO
- [ ] Warranty Claim

1A. ORGANIZATION	B. LOCATION	C. UNIT IDENT CODE
B Co 1/15 IGB REGT	Bldg 1279A HAAF, Ga 31409	WHL3B0

2. SERIAL NO.	3. NOUN NOMENCLATURE	4. LINE NO.	5. MODEL	6. NATIONAL STOCK NUMBER
C6225060	7.62mm Rifle	R95387	M24	1005-01-240-2136

7A. MAINTENANCE ACTIVITY	B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS
								10,000+	

14. FAILURE DETECTED DURING *(Select one - use ✓ or X)*

- [ ] A Sch. Main.
- [ ] B Handling
- [ ] C Test
- [x] D Normal Op
- [ ] E Storage
- [ ] F Inspection
- [ ] G Flight
- [ ] H Other

15. FIRST INDICATION OF TROUBLE *(Select one - use ✓ or X)*

- [ ] 068 Inoperative
- [ ] 008 Noisy
- [ ] 258 Overheating
- [x] 387 Low Performance
- [ ] 790 Out of Adjustment
- [ ] Other

16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM *(Do not prescribe repairs).*

Fired over 10,000 Rounds

B. REMARKS

Scope #881066

SECTION II - WORK ACCOMPLISHED

17A. REPAIR ORGANIZATION/ACTIVITY	C. UNIT IDENT. CODE	18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK *(Select one - use ✓ or X)*	19. AMS ACCT. CODE
B. LOCATION		[ ] 1 TOE [ ] 2 TD [ ] 3 Contractor	

20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO. (1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE	D. MANHOURS *(Hrs. & tenths)*	E. NATIONAL STOCK NUMBER	F. PART SOURCE CODE	G. QTY.	H. PARTS COST
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$

I. TOTAL MANHOURS	J. TOTAL MANHOURS COST	K. TOTAL PARTS COST
	$	$

21. DELAY *(Select One)* [ ] 1 Parts [ ] 2 Manpower [ ] 3 Facilities [ ] 4 Funds [ ] 5 Tools

22. [ ] Data Transcribed

23. SUBMITTED BY	24. RECEIVED BY	25. WORK STARTED BY	26. INSPECTED BY	27. ACCEPTED BY
[signature]				
JULIAN DATE 93196	JULIAN DATE	JULIAN DATE	JULIAN DATE	JULIAN DATE

28. DISPOSITION *(Select One)*

- [ ] A To User
- [ ] B To Stock
- [ ] C Salvaged
- [ ] D Evacuated
- [ ] E Cannibalization

DA FORM 2407, AUG 88 EDITION OF MAY 81 MAY BE USED NMP COPY 2

SWS/Repair

Final Inspection

Sn: C6225060	DATE REC'D: 8/17/93	DATE RET'D:

AUDITOR: RW

Item:
Barrel Assy.
- ✓ Barrel
- ✓ Receiver
- ✓ Front Sight Block
- ✓ Rear Sight Block
- ✓ Screws
- ✓ Finish

Item:
Stock Assy.
- ✓ Stock
- ✓ Sling Swivel Studs
- ✓ Adjustable Butt Plate
- ✓ Lock Nuts
- ✓ Barrel Clearance
- ✓ Color/Finish

Scope Assy.
- ✓ Scope
- ✓ Scope Rings
- ✓ Mounting Screws
- ✓ Mounting Base
- ✓ Screws
- ✓ Finish
- ✓ Looseness
- ✓ Clarity

Systems Case
- ✓ Scope Case
- ___ Iron Sights
- ___ Deployment Kit

Trigger
- ✓ Safety Operation
- ✓ Set
- ___

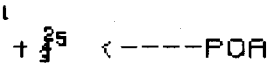
Misc.
- ___ DD-250
- ___ Bar Code
- ___ Packaging

Comments: New Barrel + Stock. Stock Damaged by Customer. Over 10,000 Rds on Old Barrel

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225060
31 Aug 1993

CENTROIDAL DISTANCES

0	TO	1	.70777
1	TO	2	.88599
1	TO	3	1.07655
1	TO	4	.981073
1	TO	5	1.13334

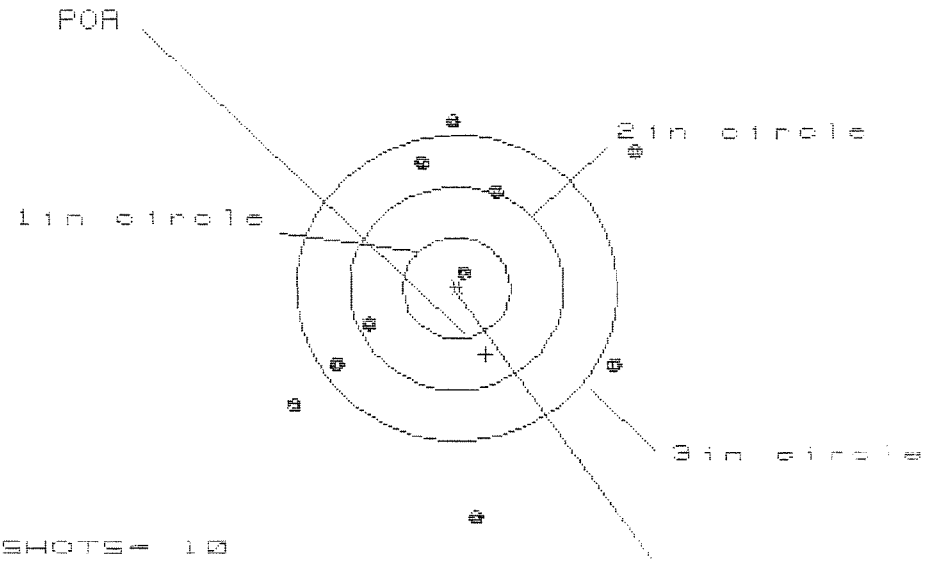


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3888
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1986
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .436586

THE AMR FOR THIS RIFLE IS: 1.135

31 Aug 1993 FILE:/PATTERNING/CENTERFIRE_PATT/08225060

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

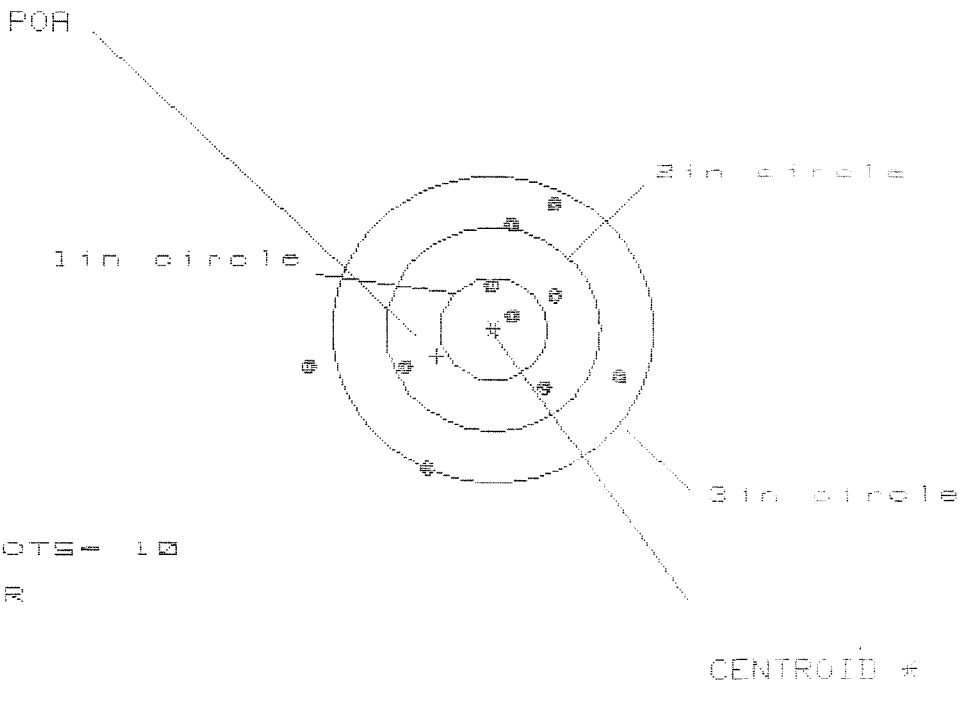
# IN CIR	
1in	= 1
2in	= 2
3in	= 5

HS= 3.190
VS= 3.838
GS= 4.023

PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.701	1.717	1.713
MINIMUM X	:	-1.489	-1.473	-1.258
MAXIMUM Y	:	1.602	1.354	1.485
MINIMUM Y	:	-2.236	-1.401	-1.270
CENTROID X	:	-.273	-.289	-.504
CENTROID Y	:	.653	.901	.770
POA TO CENTROID in.	:	.708	.947	.920
MIN RADIUS	:	.200	.083	.288
MEAN RADIUS	:	1.435	1.301	1.218
MAX RADIUS	:	2.241	2.033	1.934
HORIZONTAL SPREAD	:	3.190	3.190	2.971
VERTICAL SPREAD	:	3.838	2.755	2.755
EXTREME SPREAD	:	4.023	4.023	3.123
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		5	

31 Aug 1993 FILE:/PATTERNING/CENTERFIRE_PATT/CS225060

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

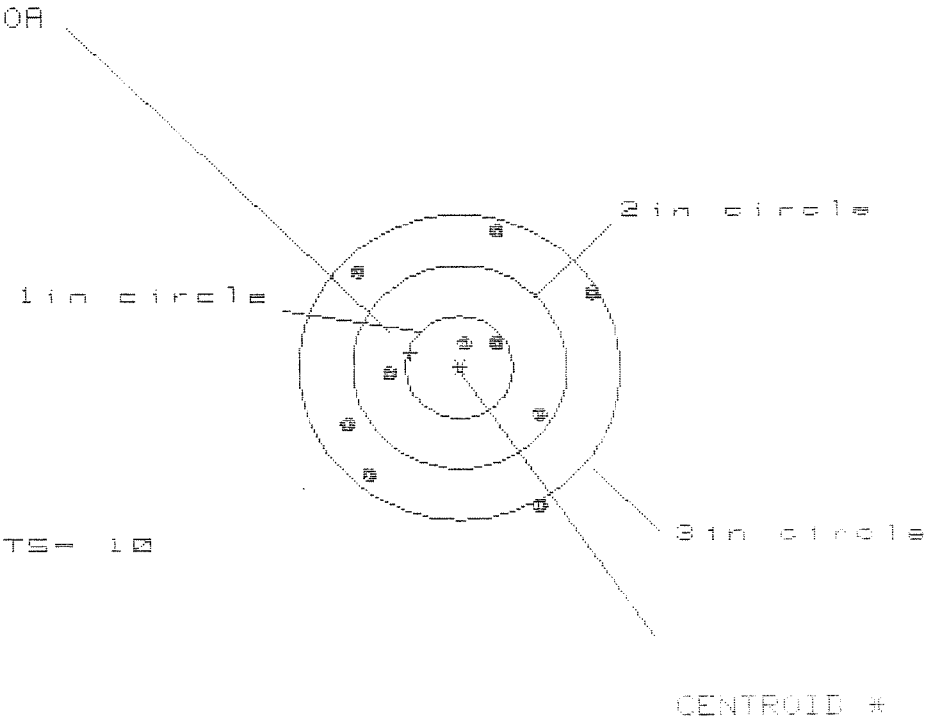
# IN CIR	
1in =	2
2in =	5
3in =	8

HS= 2.982
VS= 2.574
GS= 2.983

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.212	1.015	.912
MINIMUM X	:	-1.770	-1.024	-1.127
MAXIMUM Y	:	1.202	1.164	.988
MINIMUM Y	:	-1.372	-1.410	-.732
CENTROID X	:	.524	.721	.824
CENTROID Y	:	.266	.304	.480
POA TO CENTROID in.	:	.588	.782	.954
MIN RADIUS	:	.198	.089	.171
MEAN RADIUS	:	.988	.855	.729
MAX RADIUS	:	1.803	1.633	1.288
HORIZONTAL SPREAD	:	2.982	2.039	2.039
VERTICAL SPREAD	:	2.574	2.574	1.720
EXTREME SPREAD	:	2.983	2.861	2.167
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

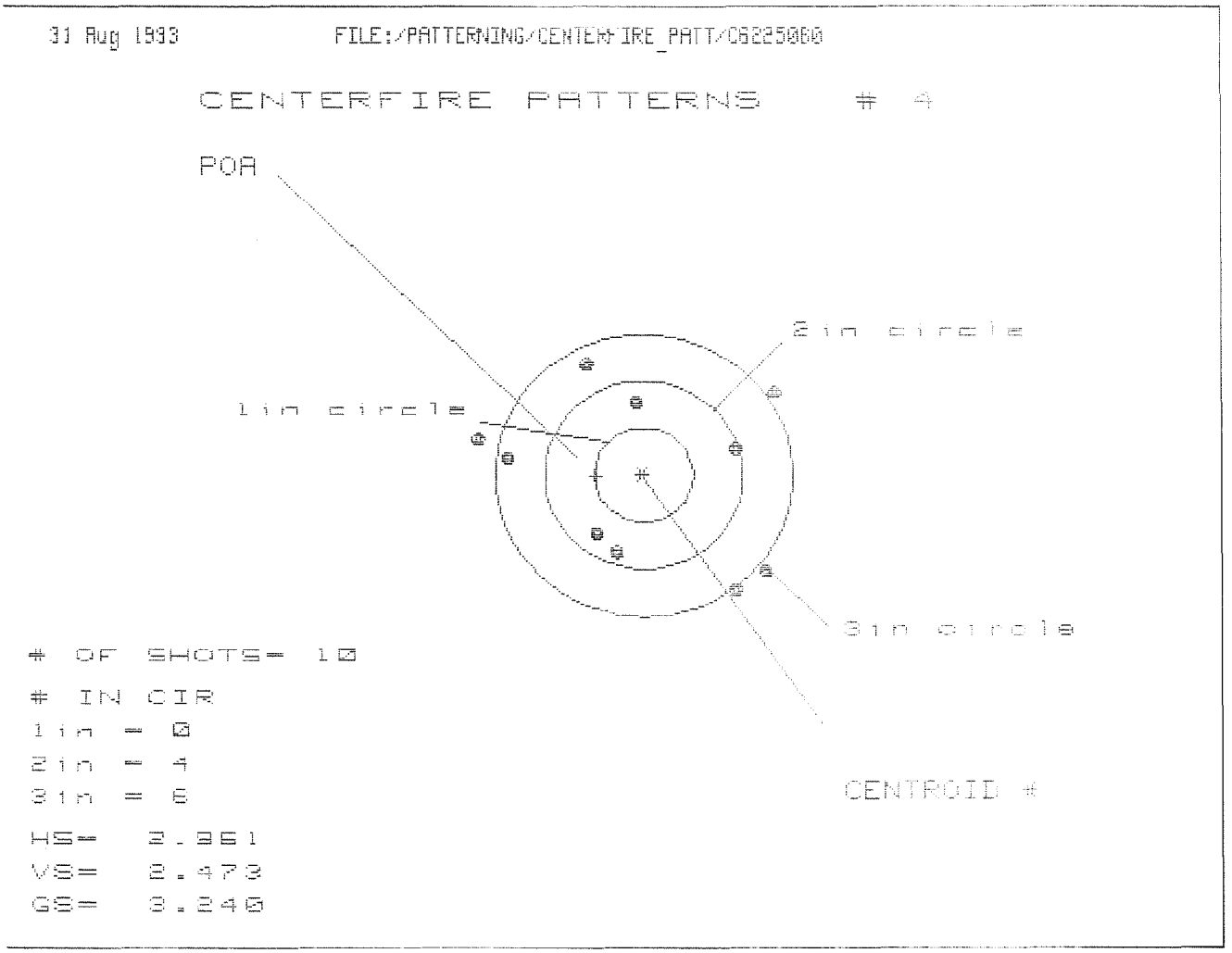
31 Aug 1993 FILE:/PATTERNING/CENTERFIRE_PATT/C6225060

CENTERFIRE PATTERNS # 3



# OF SHOTS= 10
# IN CIR
1in = 2
2in = 4
3in = 9
HS= 2.316
VS= 2.697
GS= 2.916

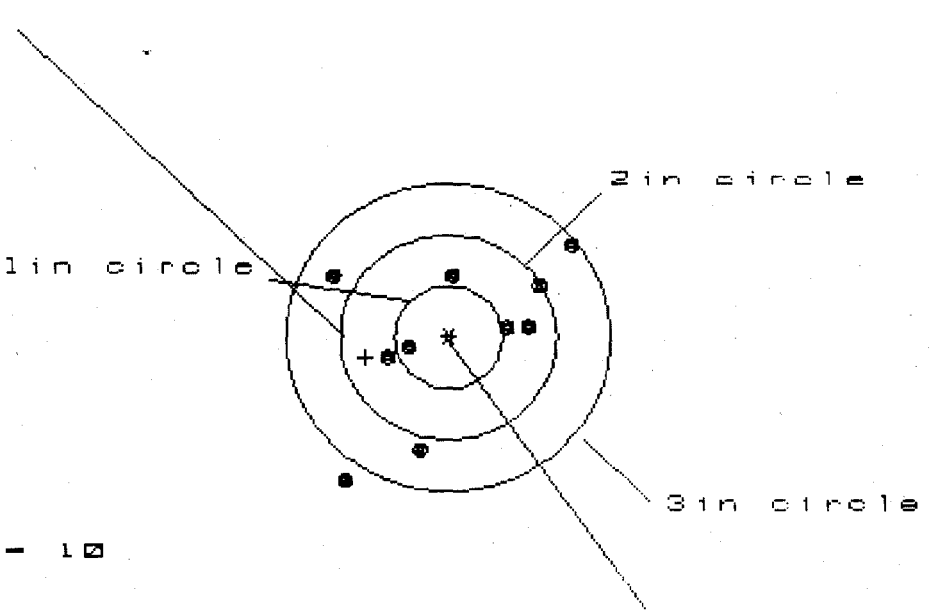
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.281	1.369	.976
MINIMUM X	:	-1.035	-.947	-.776
MAXIMUM Y	:	1.335	1.184	1.757
MINIMUM Y	:	-1.362	-1.210	-1.137
CENTROID X	:	.454	.366	.195
CENTROID Y	:	-.141	.010	-.063
POA TO CENTROID in.	:	.476	.366	.205
MIN RADIUS	:	.266	.176	.359
MEAN RADIUS	:	1.050	.976	.915
MAX RADIUS	:	1.576	1.490	1.396
HORIZONTAL SPREAD	:	2.316	2.316	1.752
VERTICAL SPREAD	:	2.697	2.394	2.394
EXTREME SPREAD	:	2.916	2.764	2.663
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.335	1.155	1.290
MINIMUM X	:	-1.626	-1.569	-1.434
MAXIMUM Y	:	1.210	1.254	1.127
MINIMUM Y	:	-1.264	-1.219	-1.346
CENTROID X	:	.474	.654	.519
CENTROID Y	:	.017	-.027	.100
POA TO CENTROID in.	:	.474	.655	.529
MIN RADIUS	:	.788	.762	.732
MEAN RADIUS	:	1.264	1.211	1.162
MAX RADIUS	:	1.675	1.591	1.631
HORIZONTAL SPREAD	:	2.961	2.724	2.724
VERTICAL SPREAD	:	2.473	2.473	2.473
EXTREME SPREAD	:	3.240	2.945	2.919
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

31 Aug 1993 FILE:/PATTERNING/CENTERFIRE_PATT/CG225060

CENTERFIRE PATTERNS # 5



# OF SHOTS= 10
# IN CIR
1in = 1
2in = 6
3in = 9
HS= 2.228
VS= 2.333
GS= 3.145

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.160	1.055	.847
MINIMUM X	:	-1.068	-1.173	-1.041
MAXIMUM Y	:	.919	.762	.581
MINIMUM Y	:	-1.414	-1.211	-1.115
CENTROID X	:	.765	.870	.738
CENTROID Y	:	.198	.355	.260
POA TO CENTROID in.	:	.790	.940	.783
MIN RADIUS	:	.397	.407	.393
MEAN RADIUS	:	.939	.834	.773
MAX RADIUS	:	1.703	1.301	1.192
HORIZONTAL SPREAD	:	2.228	2.228	1.888
VERTICAL SPREAD	:	2.333	1.973	1.696
EXTREME SPREAD	:	3.145	2.434	1.906
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	