

C6587659

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



REBARBER M24 00246700 REPORT

COMMENTS

ORDER
R 94-18123

INITIAL FDC CUSTOMER ORDER NO.7
DAAA09-92-C-0834

W/10X SCOPE M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

S/N 89 0941

DATE RECEIVED 06/09/94 DATE OPENED 06/09/94 DATE CODE

SERIAL NUMBER C6587659 NEW SERIAL NUMBER

MODEL AND GRADE 700 7-62

NATO

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

CUST NO: 098397 CJO.D

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

FRT

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

PARTS

COMMENTS

Barrel
Stock
Trigger Assy
Firing Pin Assy
Front & Rear Sight Assy

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

4/18/96

4/18/96

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 00246700 24718

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C687659DATE 4-17-96TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.44	2.70	2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.75	2.41	
PULL #3	2.42	2.78	2.42	
PULL #4	2.37	2.51	2.28	
PULL #5	2.52	2.49	2.32	
TOTAL	12.17	13.23	11.83	
AVG.	2.43	2.64	2.36	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.24	3.08	
PULL #2	3.17	3.14	
PULL #3	3.14	3.04	
PULL #4	3.10	3.03	
PULL #5	3.12	3.03	
TOTAL	15.77	15.32	
AVG.	3.15	3.06	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.12		4.09
PULL #2	4.20	4.10		4.23
PULL #3	4.17	4.10		4.16
PULL #4	4.00	4.05		4.16
PULL #5	4.07	4.08		4.24
TOTAL	20.66	20.45		20.88
AVG.	4.13	4.09		4.17

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587659
22 Feb 1900

CENTROIDAL DISTANCES

0 TO	1	.293946
1 TO	2	.477895
1 TO	3	.464037
1 TO	4	.279959
1 TO	5	.478987

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

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1924
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3524
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .401502
THE AMR FOR THIS RIFLE IS: .9522

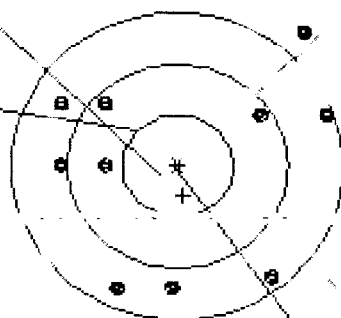
22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT 0858 X 88

CENTERFIRE PATTERNS

FOR

1 in circle



3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in - 0

2 in - 3

3 in - 9

HS= 2.438

VS= 2.540

GS= 3.076

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.352	1.481	1.204
MINIMUM X	:	-1.086	-.957	-.772
MAXIMUM Y	:	1.327	.763	.841
MINIMUM Y	:	-1.213	-1.065	-.987
CENTROID X	:	-.048	-.177	-.362
CENTROID Y	:	.290	.142	.064
POA TO CENTROID in.	:	.294	.227	.368
MIN RADIUS	:	.628	.528	.401
MEAN RADIUS	:	1.185	1.096	.995
MAX RADIUS	:	1.762	1.606	1.502
HORIZONTAL SPREAD	:	2.438	2.438	1.976
VERTICAL SPREAD	:	2.540	1.828	1.828
EXTREME SPREAD	:	3.076	2.588	2.588
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Feb 1900

FILE:/PATTERNING/CENTERFIRE_PATT/06587659

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.294

VS= 1.553

GS= 2.419

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.087	.830	.695
MINIMUM X	:	-1.206	-1.086	-.507
MAXIMUM Y	:	.882	.979	1.005
MINIMUM Y	:	-.671	-.574	-.548
CENTROID X	:	.180	.059	.194
CENTROID Y	:	.710	.513	.587
POA TO CENTROID in.	:	.732	.615	.618
MIN RADIUS	:	.202	.218	.173
MEAN RADIUS	:	.762	.657	.596
MAX RADIUS	:	1.396	1.173	1.127
HORIZONTAL SPREAD	:	2.294	1.916	1.202
VERTICAL SPREAD	:	1.553	1.553	1.553
EXTREME SPREAD	:	2.419	2.042	1.664
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06587653

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 1.944

VS= 2.488

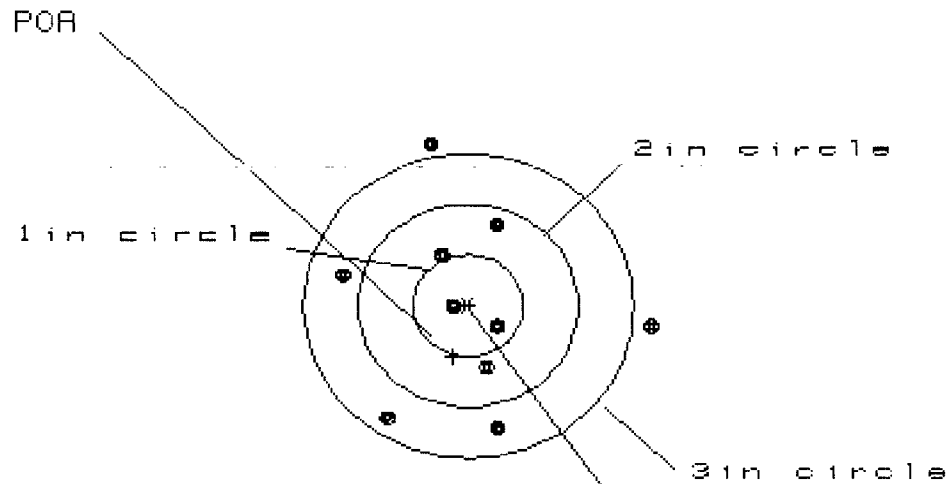
GS= 2.554

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	8	
MAXIMUM X	:	1.145	1.354	1.010
MINIMUM X	:	-.799	-.679	-.724
MAXIMUM Y	:	1.244	1.165	1.026
MINIMUM Y	:	-1.244	-1.106	-.767
CENTROID X	:	.415	.504	.549
CENTROID Y	:	.321	.182	.321
POA TO CENTROID in.	:	.525	.536	.636
MIN RADIUS	:	.106	.209	.132
MEAN RADIUS	:	.855	.781	.720
MAX RADIUS	:	1.478	1.165	1.091
HORIZONTAL SPREAD	:	1.944	1.735	1.735
VERTICAL SPREAD	:	2.488	2.271	1.793
EXTREME SPREAD	:	2.554	2.298	1.913
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587659

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.890

VS= 2.768

GS= 2.933

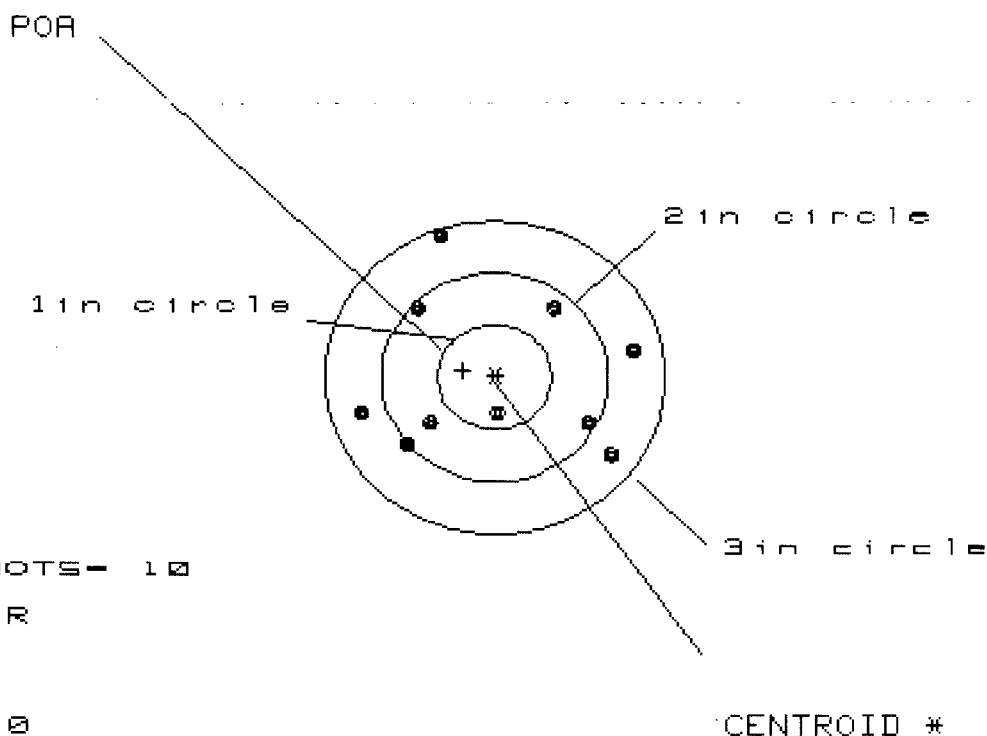
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10		8
MAXIMUM X	:	1.711		.432
MINIMUM X	:	-1.179		-1.012
MAXIMUM Y	:	1.603	1.585	1.027
MINIMUM Y	:	-1.164	-1.183	-.985
CENTROID X	:	.136	-.054	-.031
CENTROID Y	:	.501	.520	.322
POA TO CENTROID in.	:	.520	.523	.324
MIN RADIUS	:	.148	.017	.178
MEAN RADIUS	:	.964		.777
MAX RADIUS	:	1.719	1.596	1.134
HORIZONTAL SPREAD	:	2.890	1.444	1.444
VERTICAL SPREAD	:	2.768	2.768	2.012
EXTREME SPREAD	:	2.933	2.839	2.184
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

22 Feb 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587659

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in - 1

2in - 5

3in = 10

HS= 2.378

VS= 2.097

GS= 2.565

CENTROID *

PATTERN #	:	5	:	8
SHOTS (BEST OF)	:	10	:	8
MAXIMUM X	:	1.239	:	1.091
MINIMUM X	:	-1.139	:	1.044
MAXIMUM Y	:	1.407	:	.827
MINIMUM Y	:	-.690	:	-.477
CENTROID X	:	.279	:	.184
CENTROID Y	:	-.060	:	-.273
POA TO CENTROID in.	:	.285	:	.329
MIN RADIUS	:	.375	:	.194
MEAN RADIUS	:	.995	:	.850
MAX RADIUS	:	1.487	:	1.190
HORIZONTAL SPREAD	:	2.378	:	2.135
VERTICAL SPREAD	:	2.097	:	1.304
EXTREME SPREAD	:	2.565	:	2.169
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587659

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. #	BARBER - M24 0024688 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	9	9	9			5/7/96	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			5/7/96	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.023	.022	.023			5/7/96	WB
	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	2.60	2.69	2.64	2.65	2.61	5/7/96	WB
	C) Function							
660	Pack							




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

MODEL 700™ M24

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

01

SERIAL NO.
C6587659

ORDER NO.
5716



5716 C6587659

UPC



0 47700 25716 7

OK - SIGHTS
 BARBER - M24 0024690
 OK - ES. PIN

M-24

CONTRACT # DAAA21-87-C-0086

INTERCHANGEABILITY

GUN SERIAL # C 6587659

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	10/24/90	Kd
600	Proof		10/24/90	Kd
607	Check Headspace		10/24/90	Kd
610	Dis-assemble Gun		10/24/90	Kd
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	LS
617	Drill and Tap Sight Holes		11/6/90	KLB
618	Polish Barrel KLB		11/7/90	WLB
620	Apply Coatings (Barrel Action)		11-26-90	TS
	Apply Coating (Bolt)			
625	Final Assembly		12/4/90	KS
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/4/90	KS
	C) Inspect Ejector Hole for Chamfer		12/4/90	KS
	D) Oil Firing Pin Ass'y		12/4/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		12/5/90	JS

op. #	NAME	READINGS			DATE	INIT
625 cont.	BARBER - M24 0024691					
	F) Safety On Force	5	5	5	12/5/90	W/B
	G) Safety Off Force	2 1/4	2 1/4	2 1/4	12/5/90	W/B
	H) Trigger Pull Test & Retainability				12/5/90	W/B
	I) Firing Pin Indent	023	0225	0225	12/5/90	W/B
	J) Assemble Stock				12/7/90	KS
	K) Assemble Swivel Studs				12-10-90	KS
	L) Attach Front and Rear Sight Assemblies				12/7/90	KS
	M) Iron Sight Alignment				12/7/90	KS
	N) Detach Front & Rear Sights & place in numbered container				12/7/90	KS
	O) Attach Scope to Rifle				12/7/90	KS
	P) Detach & Attach Scope 20 Times				12/7/90	KS
640	Gallery Target & Test				12/8/90	KS
	A) Time					KS
	B) Malfunctions					KS
	C) Pierced Primers					KS
	D) Optical Clarity of Scope					KS
645	Inspect for Live Ammo				12/8/90	KS
655	Final Inspection					
	A) Headspace				12-10-90	KS
	B) Trigger Pull	277	271	268	12-10-90	KS
	C) Function				12-10-90	KS
660	Pack				12-19-90	DH

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

SERIAL NO. 06587659
DATE 12/5/90
TESTER JP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.45	2.39	2.71	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.44	2.29	2.71	
PULL #3	2.43	2.39	2.20	2.71	
PULL #4	2.42	2.48	2.47	2.68	
PULL #5	2.43	2.27	2.47	2.75	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.47		
PULL #2	3.47	3.49		
PULL #3	3.41	3.46		
PULL #4	3.45	3.21		
PULL #5	3.40	3.35		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.34		4.38
PULL #2	4.39	4.28		4.34
PULL #3	4.34	4.35		4.33
PULL #4	4.40	4.40		4.42
PULL #5	4.42	4.29		4.39
TOTAL				
AVG.				

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587659
12 Dec 1990

CENTROIDAL DISTANCES

0	TO	1	.320989
1	TO	2	.483207
1	TO	3	.278002
1	TO	4	.196901
1	TO	5	.502093

1.63 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .019
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0976
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0994322

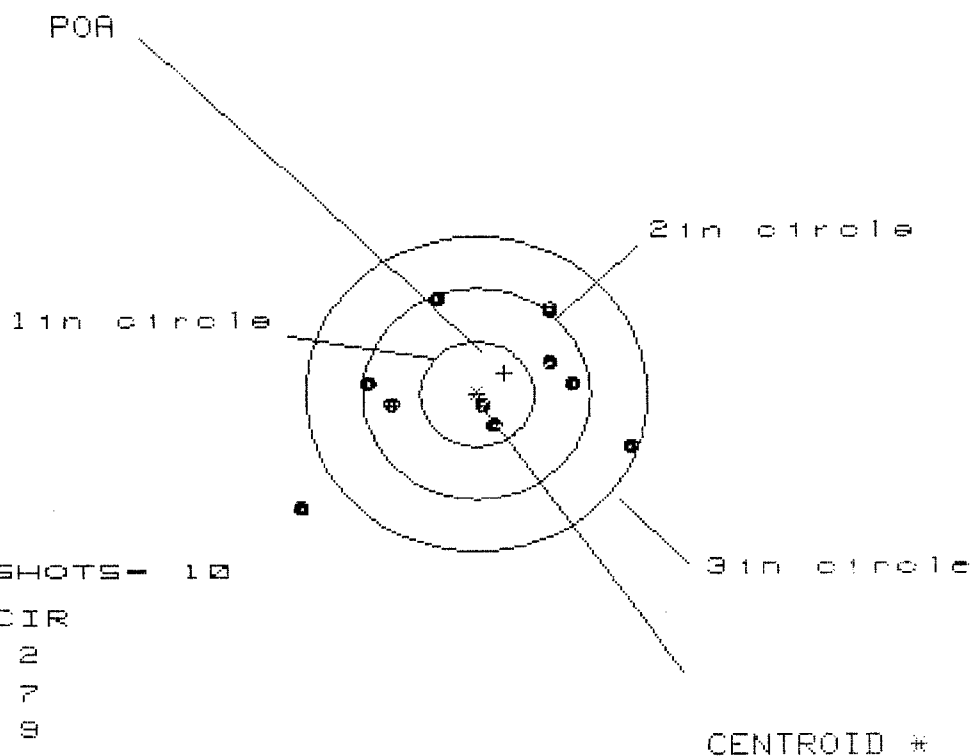
THE AMR FOR THIS RIFLE IS: 1.163

12 Jan 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587659

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.948

VS= 1.984

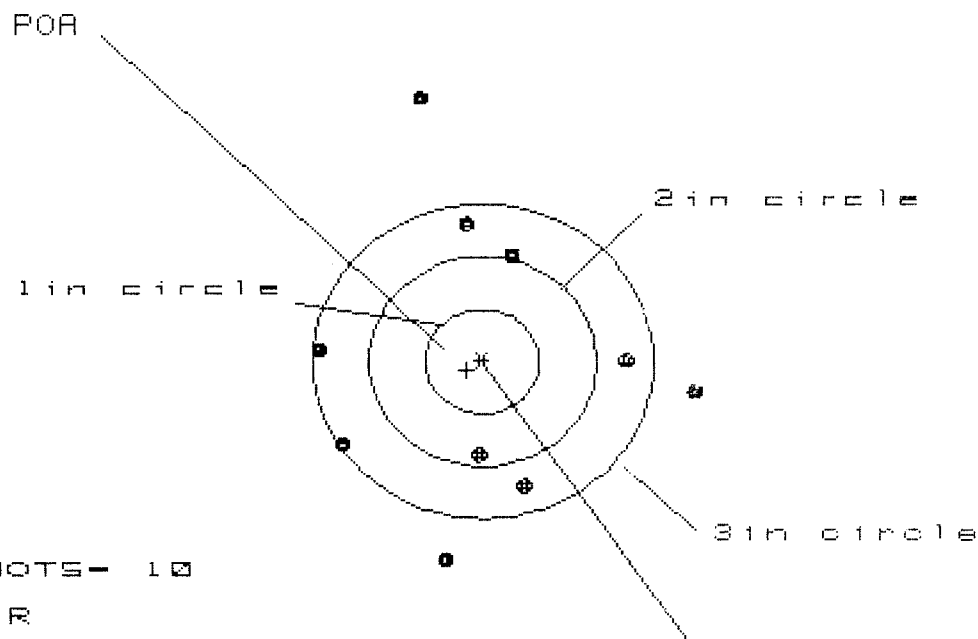
CS= 3.016

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.360	1.184	.833
MINIMUM X	:	-1.588	-1.115	-.968
MAXIMUM Y	:	.887	.765	.692
MINIMUM Y	:	-1.097	-.582	-.527
CENTROID X	:	-.247	-.071	-.218
CENTROID Y	:	-.205	-.083	-.010
POA TO CENTROID in.	:	.321	.109	.219
MIN RADIUS	:	.136	.285	.324
MEAN RADIUS	:	.919	.796	.735
MAJ RADIUS	:	1.930	1.319	.974
HORIZONTAL SPREAD	:	2.948	2.299	1.800
VERTICAL SPREAD	:	1.984	1.347	1.219
EXTREME SPREAD	:	3.016	2.362	1.800
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587659

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 1

3 in = 7

HS = 3.248

VS = 4.347

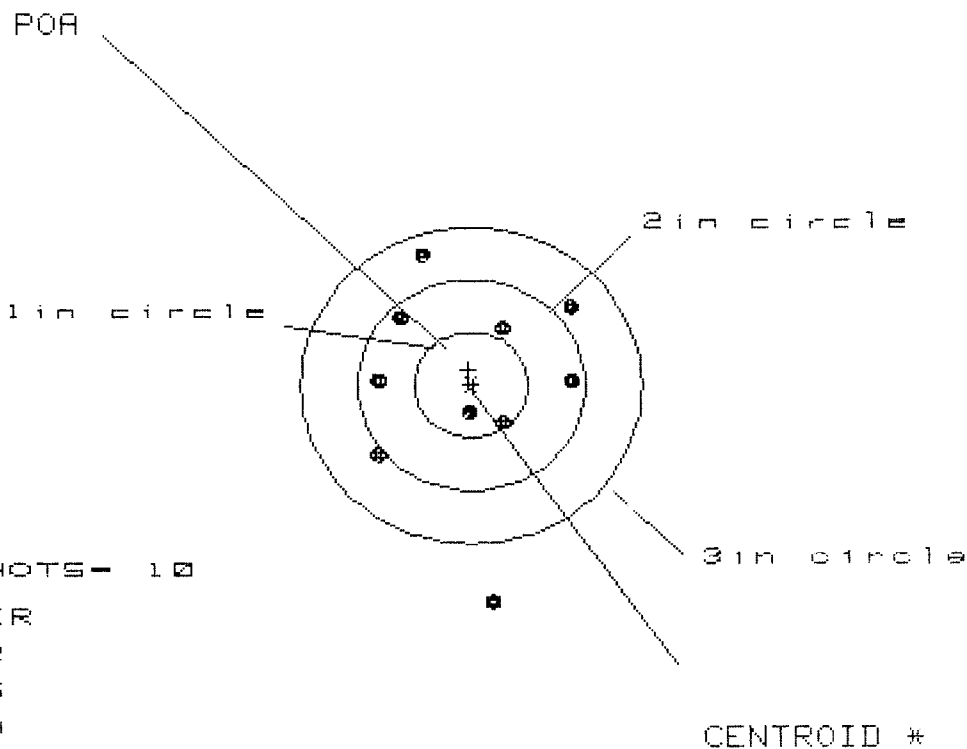
GS = 4.356

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.825	1.760	1.713
MINIMUM X	:	-1.423	-1.488	-1.535
MAXIMUM Y	:	2.482	1.614	1.415
MINIMUM Y	:	-1.865	-1.589	-1.125
CENTROID X	:	.138	.203	.250
CENTROID Y	:	.087	-.189	.010
POA TO CENTROID in.	:	.163	.278	.250
MIN RADIUS	:	.858	.592	.796
MEAN RADIUS	:	1.495	1.340	1.305
MAX RADIUS	:	2.550	1.760	1.727
HORIZONTAL SPREAD	:	3.248	3.248	3.248
VERTICAL SPREAD	:	4.347	3.203	2.540
EXTREME SPREAD	:	4.356	3.272	3.272
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		1	
NUMBER IN THREE INCH CIRCLE	=		7	

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587659

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 1.748

VS= 3.263

GS= 3.320

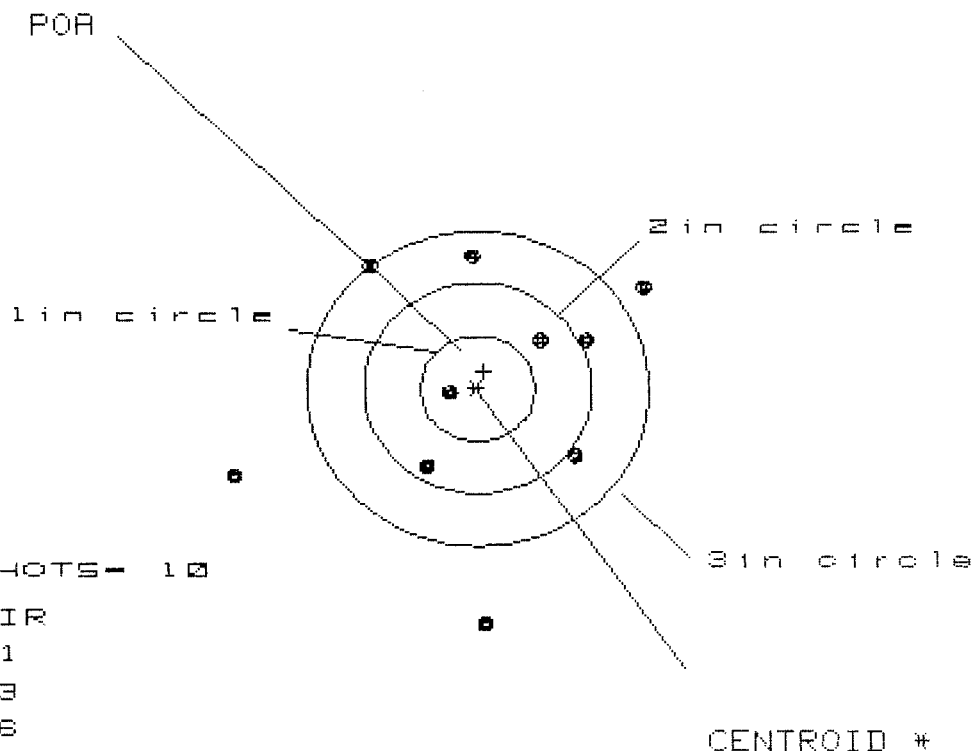
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.925	.948	.900
MINIMUM X	:	-.823	-.800	-.848
MAXIMUM Y	:	1.205	.976	.646
MINIMUM Y	:	-2.058	-.857	-.735
CENTROID X	:	.024	.001	.049
CENTROID Y	:	-.143	.086	-.036
POA TO CENTROID in.	:	.145	.086	.061
MIN RADIUS	:	.265	.487	.374
MEAN RADIUS	:	.947	.814	.769
MAX RADIUS	:	2.069	1.173	1.122
HORIZONTAL SPREAD	:	1.748	1.748	1.748
VERTICAL SPREAD	:	3.263	1.833	1.381
EXTREME SPREAD	:	3.320	2.197	2.197
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587653

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS = 3.554

VS = 3.494

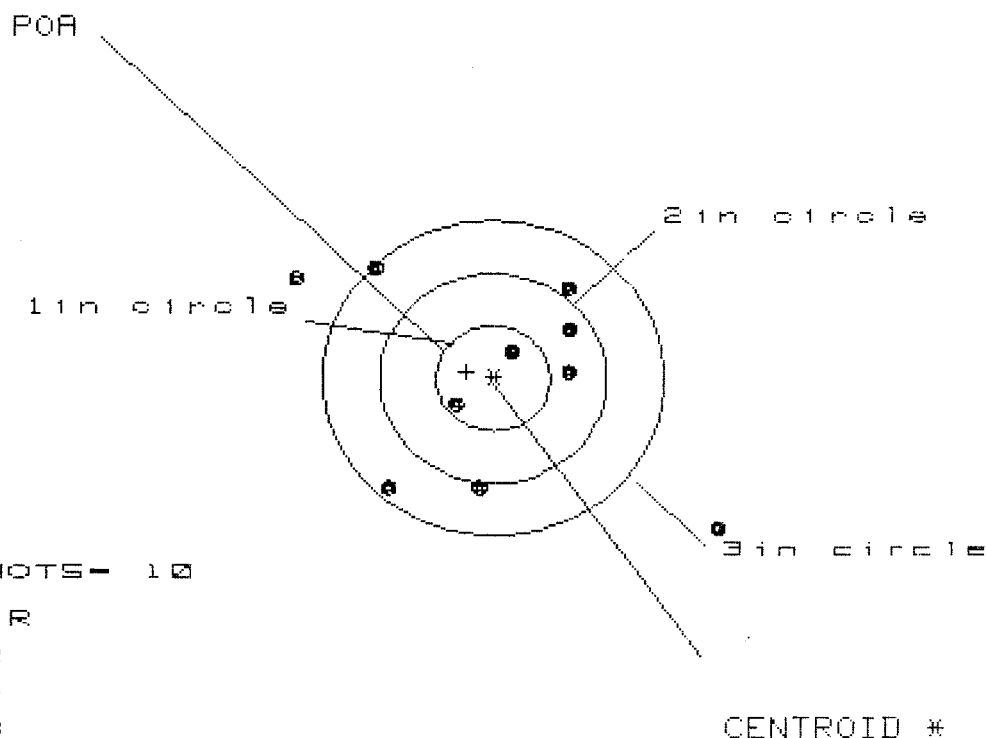
GS = 3.963

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.404	1.165	1.148
MINIMUM X	:	-2.150	-1.137	-1.154
MAXIMUM Y	:	1.223	1.136	.841
MINIMUM Y	:	-2.271	-2.358	-1.075
CENTROID X	:	-.054	.185	.202
CENTROID Y	:	-.166	-.079	.215
POA TO CENTROID in.	:	.175	.201	.295
MIN RADIUS	:	.279	.495	.291
MEAN RADIUS	:	1.296	1.159	.967
MAX RADIUS	:	2.289	2.362	1.417
HORIZONTAL SPREAD	:	3.554	2.302	2.302
VERTICAL SPREAD	:	3.494	3.494	1.917
EXTREME SPREAD	:	3.963	3.617	2.518
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587659

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS = 3.700

VS = 2.479

GS = 4.390

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.978	.920	.732
MINIMUM X	:	-1.722	-1.502	-.960
MAXIMUM Y	:	1.083	.928	1.030
MINIMUM Y	:	-1.396	-1.159	-1.057
CENTROID X	:	.234	.014	.202
CENTROID Y	:	-.061	.094	-.008
POA TO CENTROID in.	:	.242	.095	.202
MIN RADIUS	:	.281	.381	.260
MEAN RADIUS	:	1.158	1.028	.899
MAX RADIUS	:	2.421	1.708	1.408
HORIZONTAL SPREAD	:	3.700	2.422	1.692
VERTICAL SPREAD	:	2.479	2.087	2.087
EXTREME SPREAD	:	4.390	2.591	2.438
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587659
8 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.0296142
1 TO	2	.34521
1 TO	3	.221639
1 TO	4	.244135
1 TO	5	.288716

DATA

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0004
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0256
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0256031

THE AMR FOR THIS RIFLE IS: 1.209

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587659

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS= 1.186

VS= 4.877

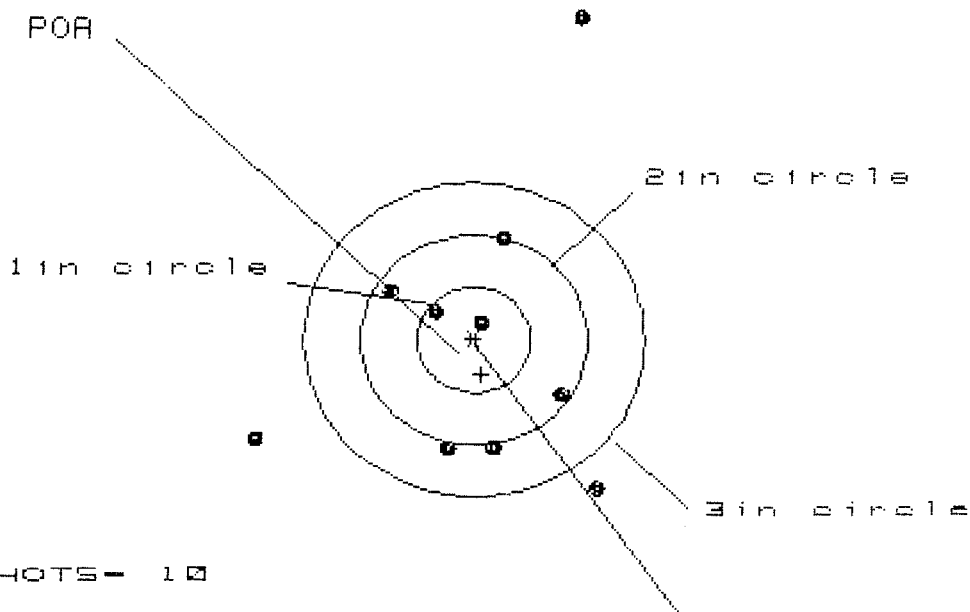
GS= 4.989

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.678	.684	.621
MINIMUM X	:	-.508	-.502	-.529
MAXIMUM Y	:	2.518	1.885	1.625
MINIMUM Y	:	-2.359	-2.079	-1.719
CENTROID X	:	.029	.023	.086
CENTROID Y	:	-.006	-.286	-.026
POA TO CENTROID in.	:	.029	.287	.090
MIN RADIUS	:	.479	.448	.539
MEAN RADIUS	:	1.452	1.289	1.201
MAX RADIUS	:	2.518	2.139	1.828
HORIZONTAL SPREAD	:	1.186	1.186	1.150
VERTICAL SPREAD	:	4.877	3.964	3.344
EXTREME SPREAD	:	4.989	3.967	3.497
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	6		

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587659

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS = 3.040

VS = 4.438

GS = 4.967

CENTROID #

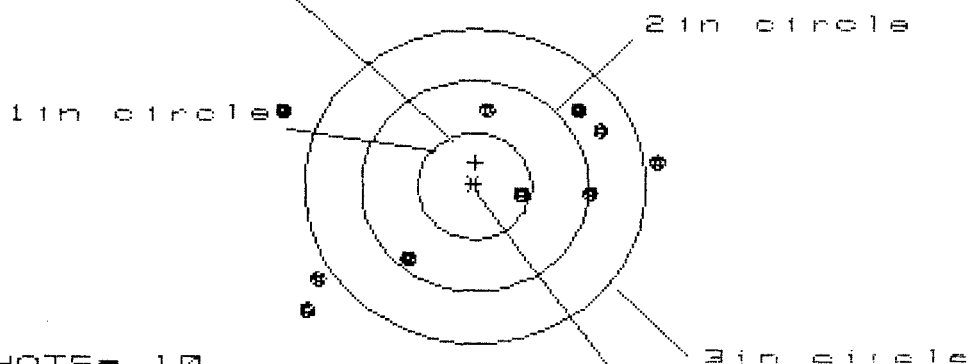
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.078	1.187	.955
MINIMUM X	:	-1.962	-1.853	-.896
MAXIMUM Y	:	3.043	1.324	1.246
MINIMUM Y	:	-1.395	-1.057	-1.135
CENTROID X	:	-.062	-.171	.061
CENTROID Y	:	.327	-.011	.067
POA TO CENTROID in.	:	.333	.171	.091
MIN RADIUS	:	.208	.562	.448
MEAN RADIUS	:	1.274	1.055	.920
MAX RADIUS	:	3.195	1.956	1.483
HORIZONTAL SPREAD	:	3.040	3.040	1.851
VERTICAL SPREAD	:	4.438	2.381	2.381
EXTREME SPREAD	:	4.967	3.071	2.601
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

6 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587659

CENTERFIRE PATTERNS # 3

POA



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS = 3.347

VS = 1.996

GS = 3.469

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.636	1.469	1.234
MINIMUM X	:	-1.711	-1.878	-1.797
MAXIMUM Y	:	.773	.637	.709
MINIMUM Y	:	-1.223	-1.053	-.981
CENTROID X	:	-.011	.156	.391
CENTROID Y	:	-.224	-.088	-.160
POA TO CENTROID in.	:	.224	.179	.422
MIN RADIUS	:	.424	.345	.173
MEAN RADIUS	:	1.258	1.135	.966
MAX RADIUS	:	1.937	1.963	2.047
HORIZONTAL SPREAD	:	3.347	3.347	3.031
VERTICAL SPREAD	:	1.996	1.690	1.690
EXTREME SPREAD	:	3.469	3.378	3.250
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587659

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in - 2

2 in - 8

3 in - 10

HS - 1.719

VS - 2.100

GS - 2.102

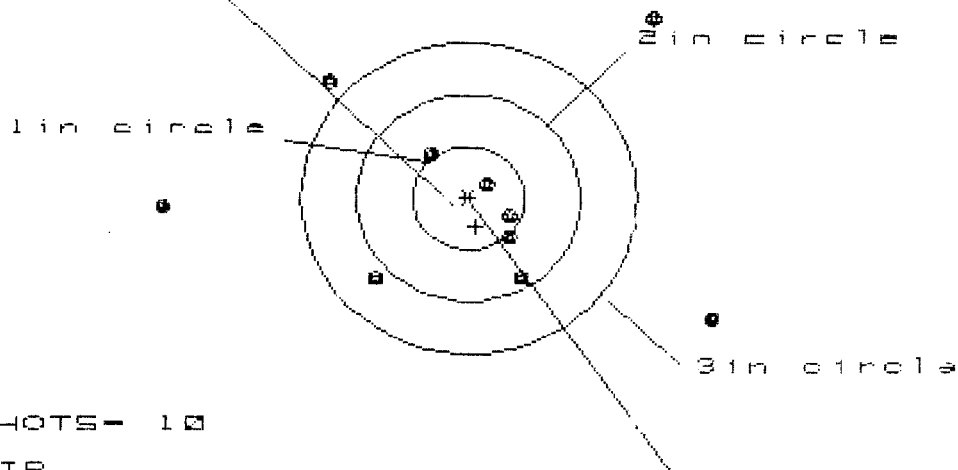
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.577	.544	.398
MINIMUM X	:	-1.142	-1.175	-.547
MAXIMUM Y	:	1.348	.928	.962
MINIMUM Y	:	-.752	-.602	-.568
CENTROID X	:	.108	.141	.287
CENTROID Y	:	-.237	-.387	-.421
POA TO CENTROID in.	:	.261	.412	.510
MIN RADIUS	:	.198	.298	.305
MEAN RADIUS	:	.754	.652	.563
MAX RADIUS	:	1.379	1.207	1.005
HORIZONTAL SPREAD	:	1.719	1.719	.945
VERTICAL SPREAD	:	2.100	1.530	1.530
EXTREME SPREAD	:	2.102	1.776	1.667
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587659

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 6

HS= 4.918

VS= 2.891

GS= 5.040

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	2.158
MINIMUM X	-2.760
MAXIMUM Y	1.686
MINIMUM Y	-1.205
CENTROID X	-.062
CENTROID Y	.268
POA TO CENTROID in.	.275
MIN RADIUS	.226
MEAN RADIUS	1.307
MAX RADIUS	2.762
HORIZONTAL SPREAD	4.918
VERTICAL SPREAD	2.891
EXTREME SPREAD	5.040
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	6