

C6225264

MODEL 700™ M24

Model **700 M24™**

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington.

Repair Inquiry

Repair Number: RE00061177

Serial: C6225264 Model 700 Center Fire Caliber:
7.62 NATO M-24 (SWS)

Repairman:

Verify Repair

Status:

Closed 2/5/2003 5:08:47 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: CO C SUPPORT BATTALION

CO C SUPPORT BATTALION

Address 1: 1 ST SWTG (A)

1 ST SWTG (A)

Address 2: ATTN ARMAMENT FAC

PO Box:

ATTN ARMAMENT FAC

PO Box:

City: FORT BRAGG

FORT BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Poor

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A017	Scope Base	1
A026	Scope	1
X	FRT & REAR SGT BA	1

Repair Search

Refresh

Close

naglej

2/6/2003

8:08 AM

CAPS

NUM

INS

SOFL

start

Internet - Microsof...

Calendar - Micro...

Shot Show P - M...

Arms Services R...

8:08 AM

Serial:
Number:

C6225264

Model: 700



RE00061177

FINAL INSPECTION CHECKLIST M-24 REPAIRS
CONTRACT #: DAAE-20-02-D-0127

SERIAL # C622-52104 INSPECTED BY: RHL

DATE REC'D: 2-5-03 DATE RET'D: 3-10-03

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BASE
☒ REAR SIGHT BASE
☒ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☒ SCOPE
☒ SCOPE RINGS
☒ MOUNTING SCREWS
☒ MOUNTING BASE
☒ SCREWS
☒ FINISH
☒ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☒ SCOPE CASE
☒ IRON SIGHTS
☒ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225264.___0
FILE DATE AND TIME: 03/09/2003 01:39

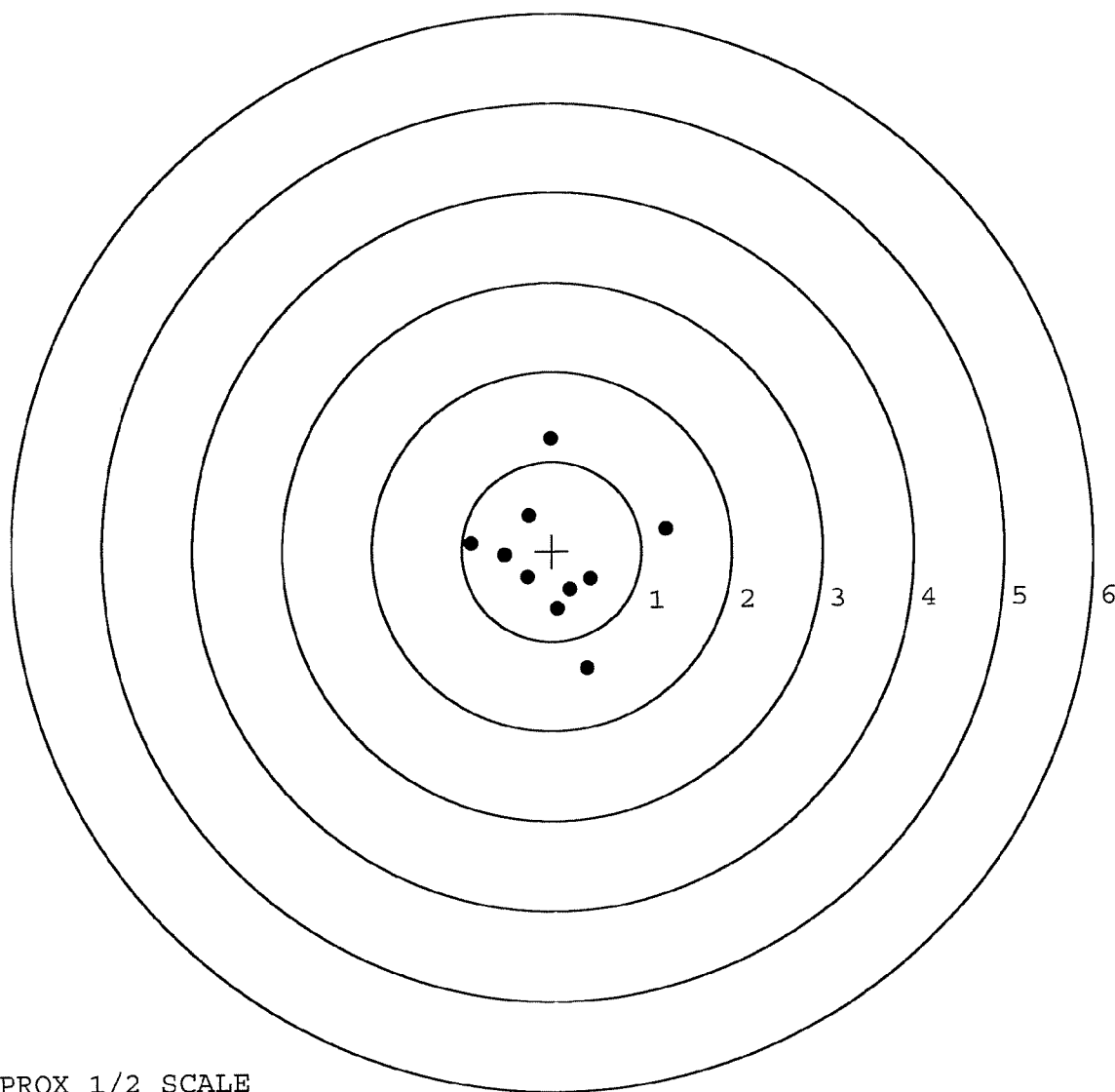
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.059
The Average Y Centroid of the Five Target Set:	-0.109
The Average Point of Impact of the Five Target Set:	0.123
The Average Mean Radius of the Five Target Set:	0.586
The Distance from POA to Centroid Target #1:	0.112
The Distance from Centroid Target #2 to Centroid Target #1:	0.135
The Distance from Centroid Target #3 to Centroid Target #1:	0.067
The Distance from Centroid Target #4 to Centroid Target #1:	0.127
The Distance from Centroid Target #5 to Centroid Target #1:	0.107

SERIAL NUMBER: C6225264. __0
TARGET NUMBER: 1
FILE DATE: 03/09/2003
FILE TIME: 01:39

X CENTROID: 0.039
Y CENTROID: -0.105
POA TO CENTROID: 0.112
HORZ SPREAD: 2.166
VERT SPREAD: 2.566
GROUP SPREAD: 2.594
MIN RADIUS: 0.360
MAX RADIUS: 1.362
MEAN RADIUS: 0.772
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.385	-1.310
2:	0.059	-0.644
3:	0.199	-0.427
4:	1.268	0.235
5:	-0.277	-0.293
6:	-0.532	-0.044
7:	-0.898	0.087
8:	-0.256	0.400
9:	0.004	1.256
10:	0.433	-0.313

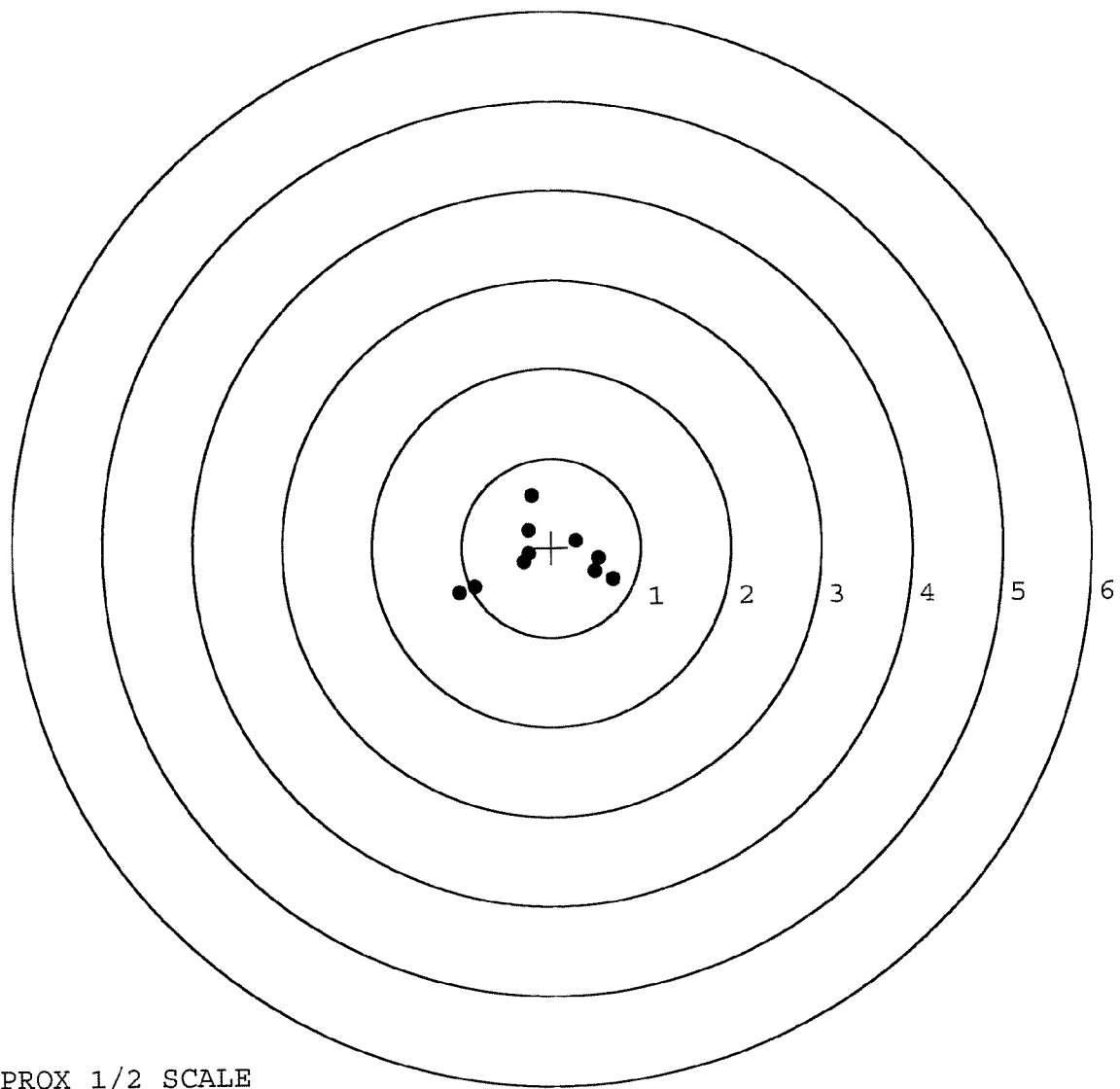


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225264. __0
TARGET NUMBER: 2
FILE DATE: 03/09/2003
FILE TIME: 01:39

X CENTROID: -0.096
Y CENTROID: -0.105
POA TO CENTROID: 0.142
HORZ SPREAD: 1.711
VERT SPREAD: 1.087
GROUP SPREAD: 1.717
MIN RADIUS: 0.163
MAX RADIUS: 1.015
MEAN RADIUS: 0.573
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.031	-0.500
2:	-0.859	-0.439
3:	-0.312	-0.160
4:	-0.255	-0.067
5:	-0.254	0.200
6:	-0.215	0.587
7:	0.275	0.077
8:	0.525	-0.125
9:	0.485	-0.269
10:	0.680	-0.354

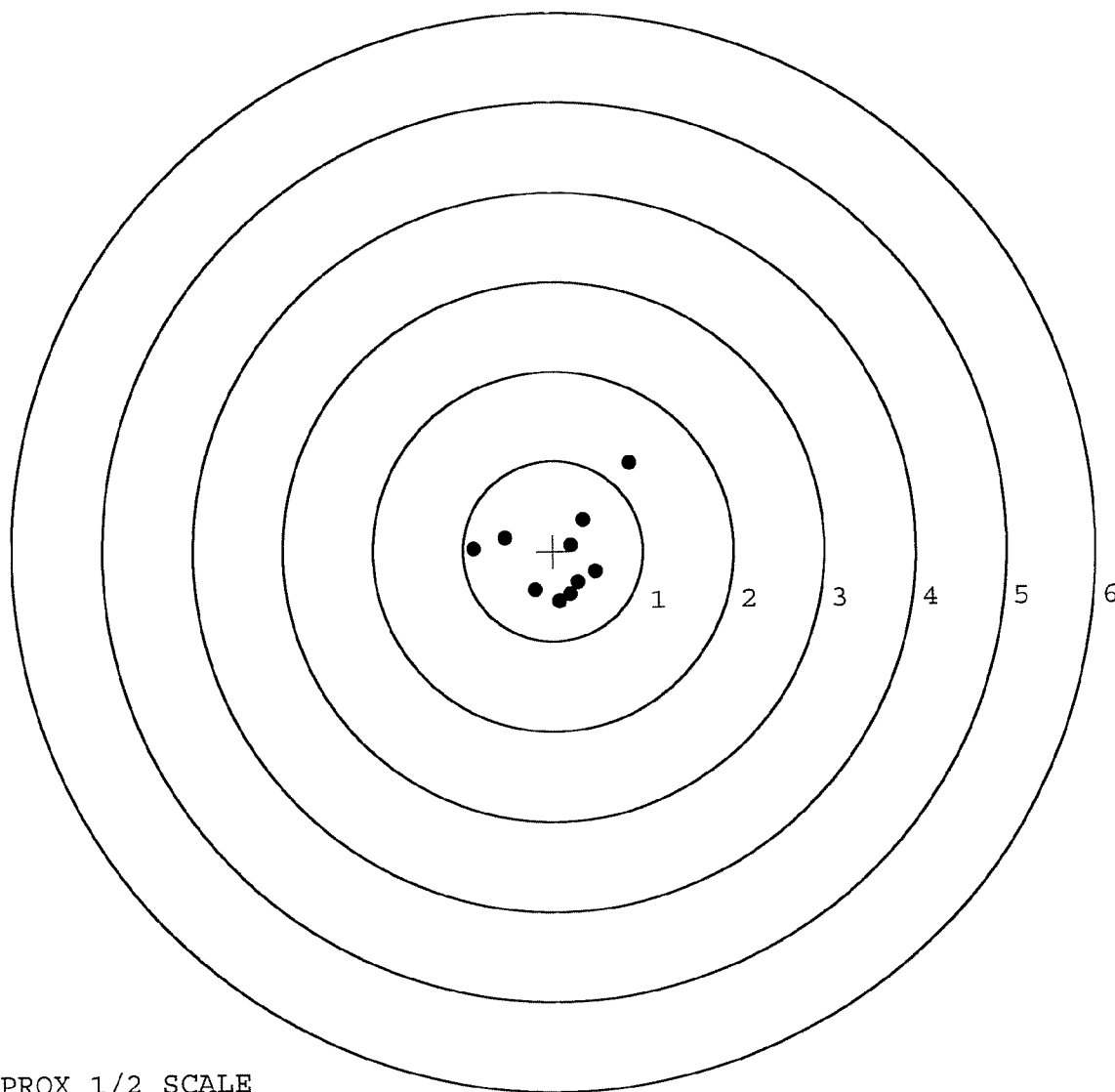


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225264. __0
TARGET NUMBER: 3
FILE DATE: 03/09/2003
FILE TIME: 01:39

X CENTROID: 0.077
Y CENTROID: -0.051
POA TO CENTROID: 0.092
HORZ SPREAD: 1.743
VERT SPREAD: 1.538
GROUP SPREAD: 1.981
MIN RADIUS: 0.168
MAX RADIUS: 1.286
MEAN RADIUS: 0.577
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.857	0.972
2:	0.338	0.343
3:	-0.538	0.150
4:	-0.886	0.030
5:	-0.200	-0.436
6:	0.068	-0.566
7:	0.190	-0.483
8:	0.276	-0.353
9:	0.468	-0.231
10:	0.199	0.065

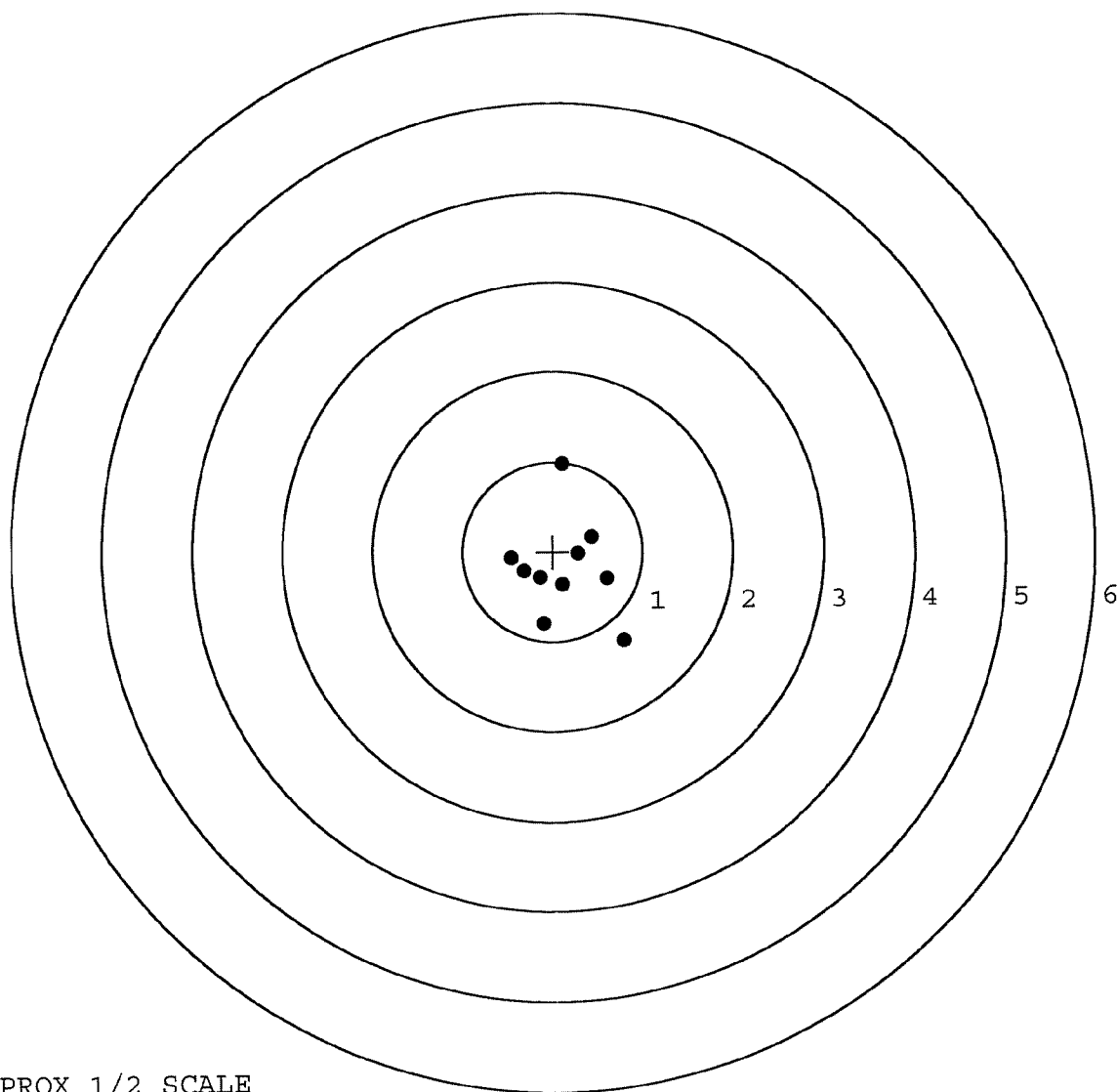


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225264. __0
TARGET NUMBER: 4
FILE DATE: 03/09/2003
FILE TIME: 01:39

POINT#	X	Y
1:	0.784	-0.997
2:	0.603	-0.306
3:	0.440	0.164
4:	0.114	0.979
5:	0.283	-0.022
6:	0.112	-0.370
7:	-0.144	-0.290
8:	-0.321	-0.214
9:	-0.466	-0.072
10:	-0.107	-0.802

X CENTROID: 0.130
Y CENTROID: -0.193
POA TO CENTROID: 0.233
HORZ SPREAD: 1.250
VERT SPREAD: 1.976
GROUP SPREAD: 2.086
MIN RADIUS: 0.178
MAX RADIUS: 1.172
MEAN RADIUS: 0.558
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

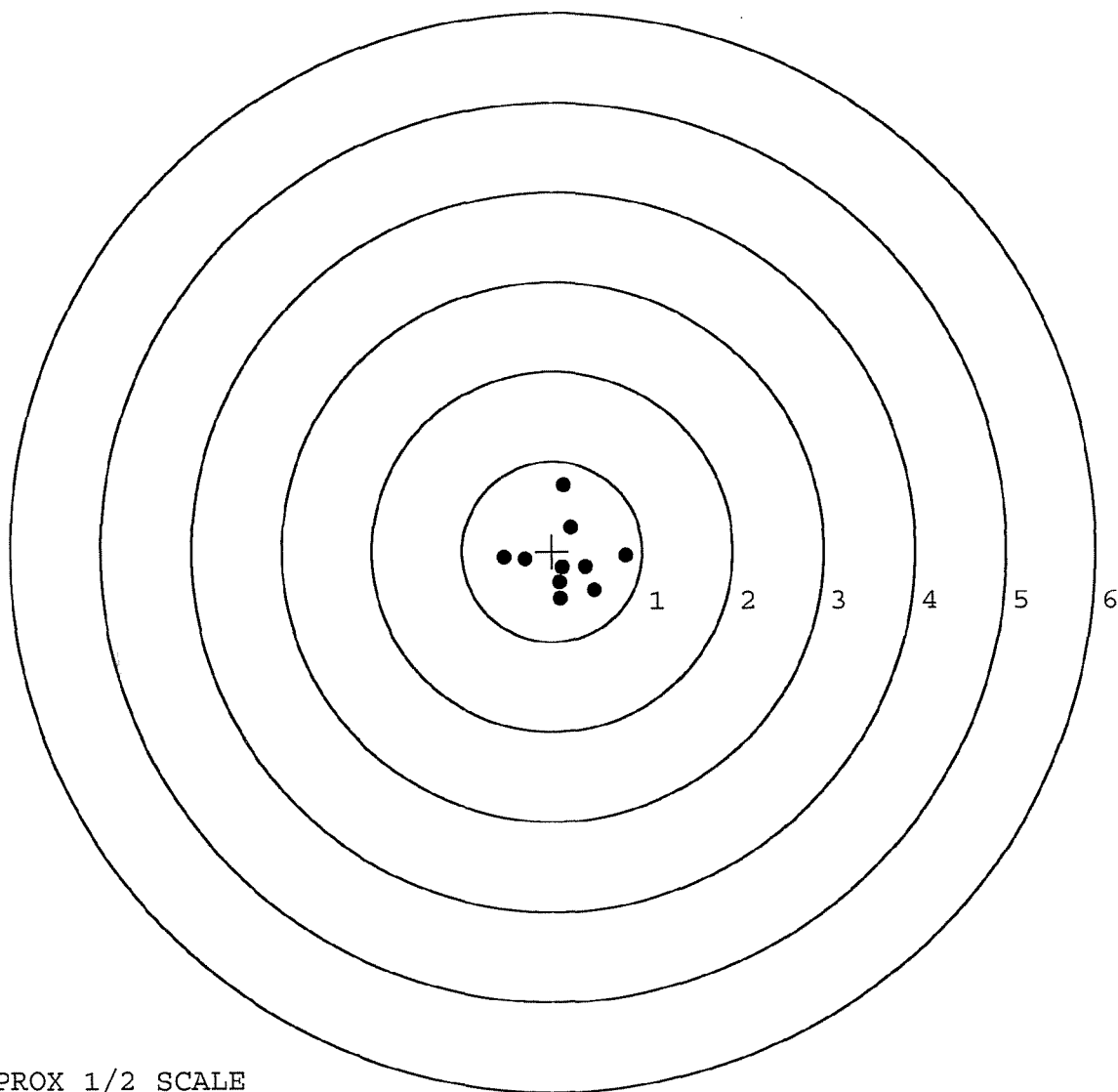


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225264. __0
TARGET NUMBER: 5
FILE DATE: 03/09/2003
FILE TIME: 01:39

X CENTROID: 0.145
Y CENTROID: -0.089
POA TO CENTROID: 0.169
HORZ SPREAD: 1.351
VERT SPREAD: 1.260
GROUP SPREAD: 1.261
MIN RADIUS: 0.102
MAX RADIUS: 0.816
MEAN RADIUS: 0.450
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.537	-0.072
2:	-0.302	-0.087
3:	0.131	0.727
4:	0.210	0.264
5:	0.814	-0.049
6:	0.371	-0.170
7:	0.467	-0.432
8:	0.093	-0.533
9:	0.084	-0.347
10:	0.114	-0.186



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	61177		
SERIAL NUMBER	C6225264		
LOG-IN DATE	2-5-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-10-03	RW
560 A	RE-BARREL	2-11-03	RTL
B	DRILL AND TAP	2-20-03	TRW
575	ASSEMBLE	2-13-03	RTL
600	PROOF	2-13-03	AC
605	CHECK HEADSPACE	2-13-03	AC
610	DIS-ASSEMBLE GUN	2-14-03	RTL
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	2/19/03	BS
618	ROTO-BLAST	2-26-03	
620	APPLY COATINGS	3-3	TH
625 A	FINAL ASSEMBLY	3-6-03	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	3-7-03	RW
655	FINAL INSPECT	3-10-03	RTL
660	PACK	3-10-03	RA
		SHIP DATE	
	QAR INSPECTION DATE		

00299

5091

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *C6225264*

OPERATION		DATE	INT
#	NAME		
575-580	ASSEMBLY	<i>2/1</i>	<i>FB</i>
600	PROOF	<i>2/8/88</i>	<i>RW</i>
615	MAGNAFLUX BARREL	<i>2/18/88</i>	<i>P/C</i>
	MAGNAFLUX BOLT	<i>2/25/88</i>	<i>P/C</i>
620	COATING	<i>3/21/88</i>	<i>JA</i>
625-630	FINAL ASSEMBLY		
635	TEST		
640	TARGET		
	FIRING PIN INDENT		
660	PACK		

M-24

SCOPE #
1235

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225264

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		9/8/88	AW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/8/88	AW
	C) Inspect Ejector Hole for Chamfer		9/8/88	AW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		9/8/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		8 Sept 88	J.C. + J.S.
	F) Safety on Force	5 5 5	8 Sept 88	J.C. + J.S.
	G) Safety off Force	3 3 3	8 Sept 88	J.C. + J.S.
	H) Trigger Pull Test & Retainability		8 Sept 88	J.C. + J.S.
	I) Firing Pin Indent	.022 .0225 .0215	8 Sept 88	J.C. + J.S.
	J) Assemble Stock		9/20/88	RW
	K) Assemble Swivel Studs		10-12-88	J.S.
	L) Attach Front & Rear Sight Assemblies		9/20/88	RW
	M) Iron Sight Alignment		9/20/88	RW
	N) Detach Front & Rear Sights & place in numbered container		9/20/88	RW
	O) Attach Scope to Rifle		10/5/88	RW
	P) Detach & Attach Scope 20 times		10-5-88	J.S.
640	Gallery Target & Test	67 R 88L	10/11/88	BT
	A) Optical Clarity of Scope		10/11/88	J.C.
645	Inspect for Live Ammo		10/10/88	J.C.
655	Final Inspection			
	A) Headspace		10-12-88	J.S.
	B) Trigger Pull		10-14-88	J.S.
	C) Function		10-12-88	J.S.
660	Pack		10-21-88	J.S.

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6225264

DATE 8 Sept 88

TESTER J. U. + 90.8

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.27	2.41	2.67	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.56	2.28	2.37	2.57	
PULL #3	2.54	2.25	2.36	2.50	
PULL #4	2.54	2.36	2.34	2.51	
PULL #5	2.50	2.35	2.38	2.49	
TOTAL	12.66	11.51	11.86	12.74	
AVG.	2.532	2.302	2.372	2.548	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.22		
PULL #2	3.28	3.24		
PULL #3	3.28	3.24		
PULL #4	3.28	3.24		
PULL #5	3.31	3.20		
TOTAL	16.45	16.14		
AVG.	3.29	3.228		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.12		3.99
PULL #2	4.11	4.13		3.98
PULL #3	4.09	4.13		3.94
PULL #4	4.12	4.02		3.97
PULL #5	4.12	4.16		3.94
TOTAL	20.55	20.56		19.82
AVG.	4.11	4.112		3.964

107
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 6225264

CENTROIDAL DISTANCES

0 TO	1	1.89643
1 TO	2	.833541
1 TO	3	.883285
1 TO	4	.901641
1 TO	5	.71855

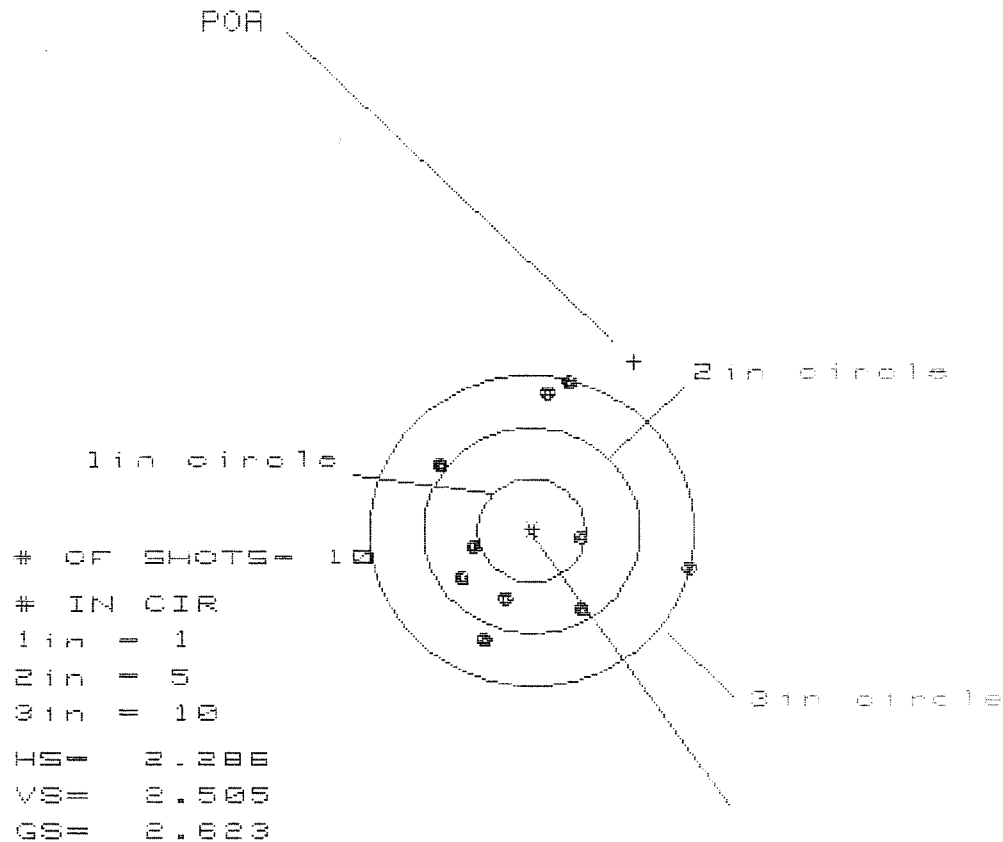
+ <----POA
*
1 3

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.6168
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -1.1324
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.28949
THE AMR FOR THIS RIFLE IS: .9308

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/6225284

CENTERFIRE PATTERNS # 1



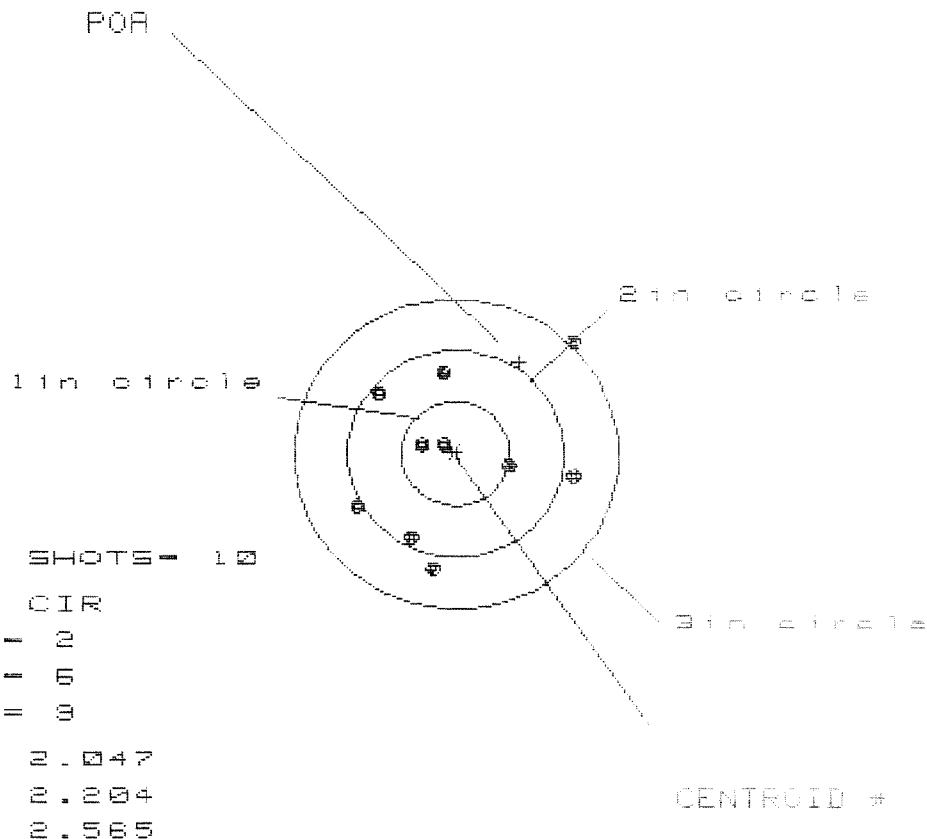
CENTROID

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.414	1.456	1.659
MINIMUM X	-0.872	-0.830	-0.648
MAXIMUM Y	1.450	1.482	1.461
MINIMUM Y	-1.055	-0.894	-0.915
CENTROID X	-0.954	-0.996	-1.178
CENTROID Y	-1.639	-1.800	-1.779
POA TO CENTROID in.	1.896	2.057	2.133
MIN RADIUS	.425	.462	.350
MEAN RADIUS	.984	.892	.794
MAX RADIUS	1.499	1.494	1.507
HORIZONTAL SPREAD	2.286	2.286	1.307
VERTICAL SPREAD	2.505	2.376	2.376
EXTREME SPREAD	2.623	2.484	2.437
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 2



PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.129	1.249	.774
MINIMUM X	:	-.918	-.798	-.842
MAXIMUM Y	:	1.094	.894	.862
MINIMUM Y	:	-1.110	-.988	-1.000
CENTROID X	:	-.588	-.708	-.864
CENTROID Y	:	-.890	-1.012	-1.000
POA TO CENTROID in.	:	1.067	1.235	1.321
MIN RADIUS	:	.155	.251	.231
MEAN RADIUS	:	.847	.765	.690
MAX RADIUS	:	1.537	1.252	1.005
HORIZONTAL SPREAD	:	2.047	2.047	1.416
VERTICAL SPREAD	:	2.204	1.882	1.882
EXTREME SPREAD	:	2.565	2.069	1.882
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID +

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.266

VS= 2.016

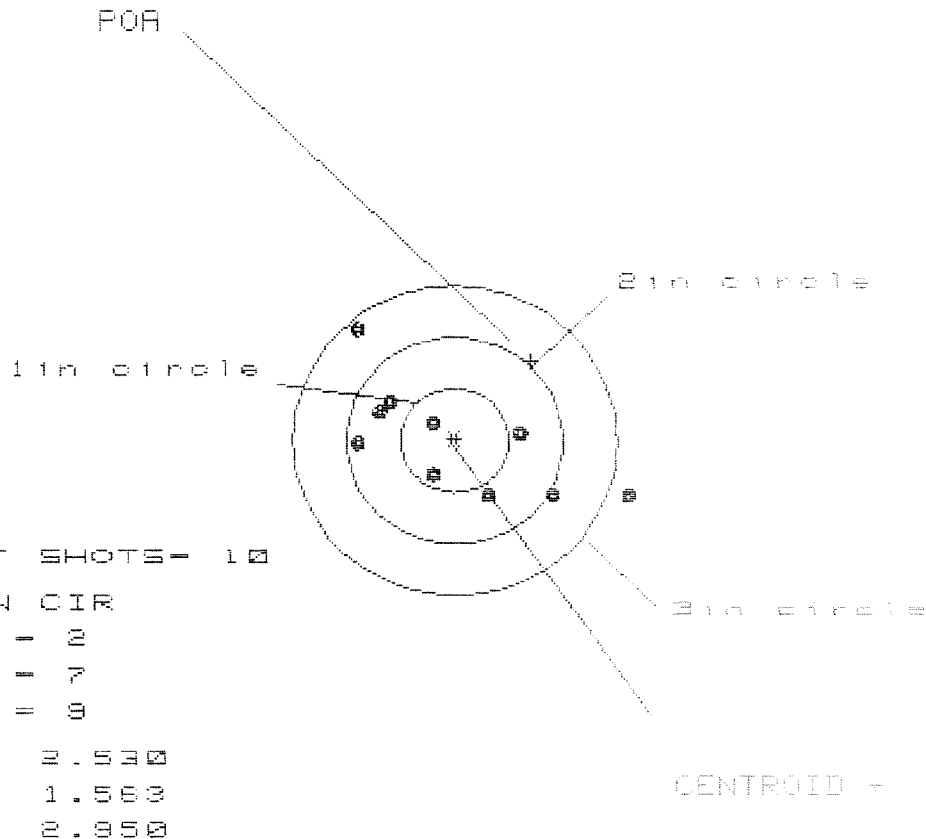
GS= 2.406

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.096	.966	.926
MINIMUM X	:	-1.170	-.999	-1.039
MAXIMUM Y	:	.698	.763	.608
MINIMUM Y	:	-1.318	-1.240	-.857
CENTROID X	:	-.102	.028	.068
CENTROID Y	:	-1.406	-1.484	-1.329
POA TO CENTROID in.	:	1.410	1.484	1.331
MIN RADIUS	:	.087	.099	.097
MEAN RADIUS	:	.827	.762	.657
MAX RADIUS	:	1.362	1.281	1.044
HORIZONTAL SPREAD	:	2.266	1.965	1.965
VERTICAL SPREAD	:	2.016	2.003	1.465
EXTREME SPREAD	:	2.406	2.030	1.973
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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FILE:/PATTERNING/CENTERFIRE_PATT/6225264

CENTERFIRE PATTERNS # 4

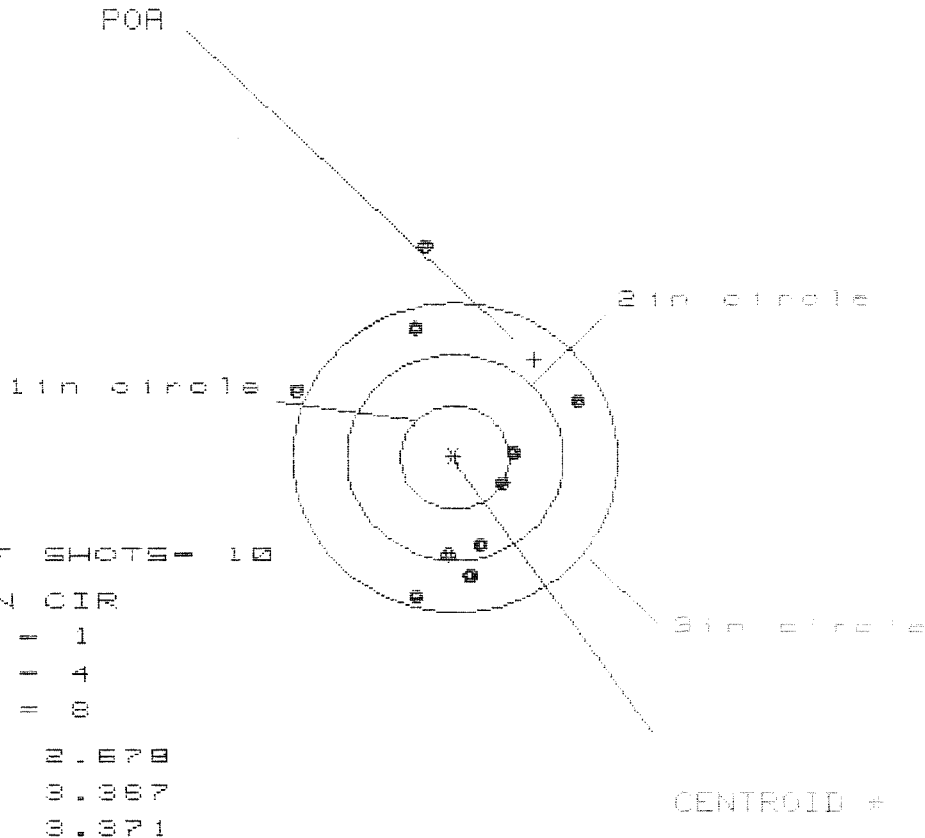


PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.603	1.039	.945
MINIMUM X	:	-.927	-.749	-.803
MAXIMUM Y	:	1.027	.972	.467
MINIMUM Y	:	-.536	-.591	-.469
CENTROID X	:	-.783	-.881	-.787
CENTROID Y	:	-.773	-.718	-.840
POA TO CENTROID in.	:	1.045	1.137	1.151
MIN RADIUS	:	.261	.141	.277
MEAN RADIUS	:	.825	.699	.636
MAX RADIUS	:	1.676	1.227	1.055
HORIZONTAL SPREAD	:	2.530	1.788	1.748
VERTICAL SPREAD	:	1.563	1.563	.936
EXTREME SPREAD	:	2.950	2.375	1.814
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.174	1.148	.957
MINIMUM X	:	-1.504	-1.530	-1.607
MAXIMUM Y	:	2.048	1.455	1.562
MINIMUM Y	:	-1.319	-1.091	-1.984
CENTROID X	:	<u>-1.737</u>	-1.711	-1.520
CENTROID Y	:	<u>-1.954</u>	-1.182	-1.289
POA TO CENTROID in.	:	1.206	1.379	1.390
MIN RADIUS	:	.498	.458	.278
MEAN RADIUS	:	<u>1.171</u>	1.019	.867
MAX RADIUS	:	2.062	1.753	1.651
HORIZONTAL SPREAD	:	2.678	2.678	1.564
VERTICAL SPREAD	:	3.367	2.546	2.546
EXTREME SPREAD	:	3.371	2.678	2.547
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			8	