

C6225487

MODEL 700™ M24

Model **700 M24™**

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



05/26/09 13:41:15

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: RE00168589

Serial: C6225487 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 5/26/2009 1:34:57 PM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: ISSD ARMS ROOM

ISSD ARMS ROOM

Address 1: 8TH DESERT STORM

8TH DESERT STORM

Address 2: BLDG 5210 BAY DOOR #30

PO Box:

BLDG 5210 BAY DOOR #30

PO Box:

City: FORT CAMPBELL

FORT CAMPBELL

State: KY

Zip Code: 42223

Country: US

State: KY

Zip Code: 42223

Country: US

FPL:

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
A010	Hard Case	1
A017	Scope Base	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Refresh

Close

Repair Search

Refresh

Close

[naglet]

[5/26/2009]

[1:41 PM]

[C&P]

[NUM]

[INS]

[SCPL]

start

Microsoft...

Microsoft...

Google News...

Part Search by...

Arms Services...

Material Wher...

[Icons]

Serial Number:

C6225487

Model: M24 SWS



RE00168589

M-24
INSPECTION CHECKLIST - REPAIRS
CONTRACT #: W52H09-07-C-0207
ISSUED 10/1/2007

R & E NUMBER	<u>168589</u>			
SERIAL NUMBER	<u>C6225487</u>			
LOG-IN DATE	<u>5-26-09</u>			

OPERATION #	OPERATION NAME	DATE	INITIAL	
500	DIS-ASSEMBLE GUN	5-26-09	RTZ	
505	RE-BARREL	5-28-09	RTZ	
420	ASSEMBLE	5-28-09	RTZ	
440	PROOF	5-28-09	SPD	MAGNA - FLUX MAY 30 2009 OPERATOR P
460	CHECK HEADSPACE	5-28-09	SPD	
470	DIS-ASSEMBLE GUN	5-28-09	SPD	
480	MAGNAFLUX	5-30-09	SPD	
510	DRILL AND TAP	5-29-09	SP	
500	ROLLMARK CALIBER	6-1-09	RT	
520	GOFF BLAST BBL / REC	6-1-09	DWO	
530 & 540	APPLY COATINGS	6-3	C	
560	FINAL ASSEMBLY	6-8-09	RT	
640	FUNCTION TEST AND	6-8-09	RP	PASS FAIL
650	TARGET	6-8-09	RP	
	MALFUNCTION			
	MALFUNCTION			
	MALFUNCTION			PASS FAIL
	MALFUNCTION			
	MALFUNCTION			
	MALFUNCTION			
670	FINAL INSPECTION A) HEADSPACE	6-12-09	RPD	
	B) TRIGGER PULL	296 296 299 297 296 6-12-09	RTZ	
680	F) SAFETY ON FORCE	3.0 3.0 3.0 6-12-09	RPD	
	G) SAFETY OFF FORCE	4.0 4.0 4.0 6-12-09	RPD	
	I) FIRING PIN INDENT	.022 .022 .022 6-12-09	RPD	
690	PACK	6-15-09	FM	

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225487. __0
FILE DATE AND TIME: 06/09/2009 07:26

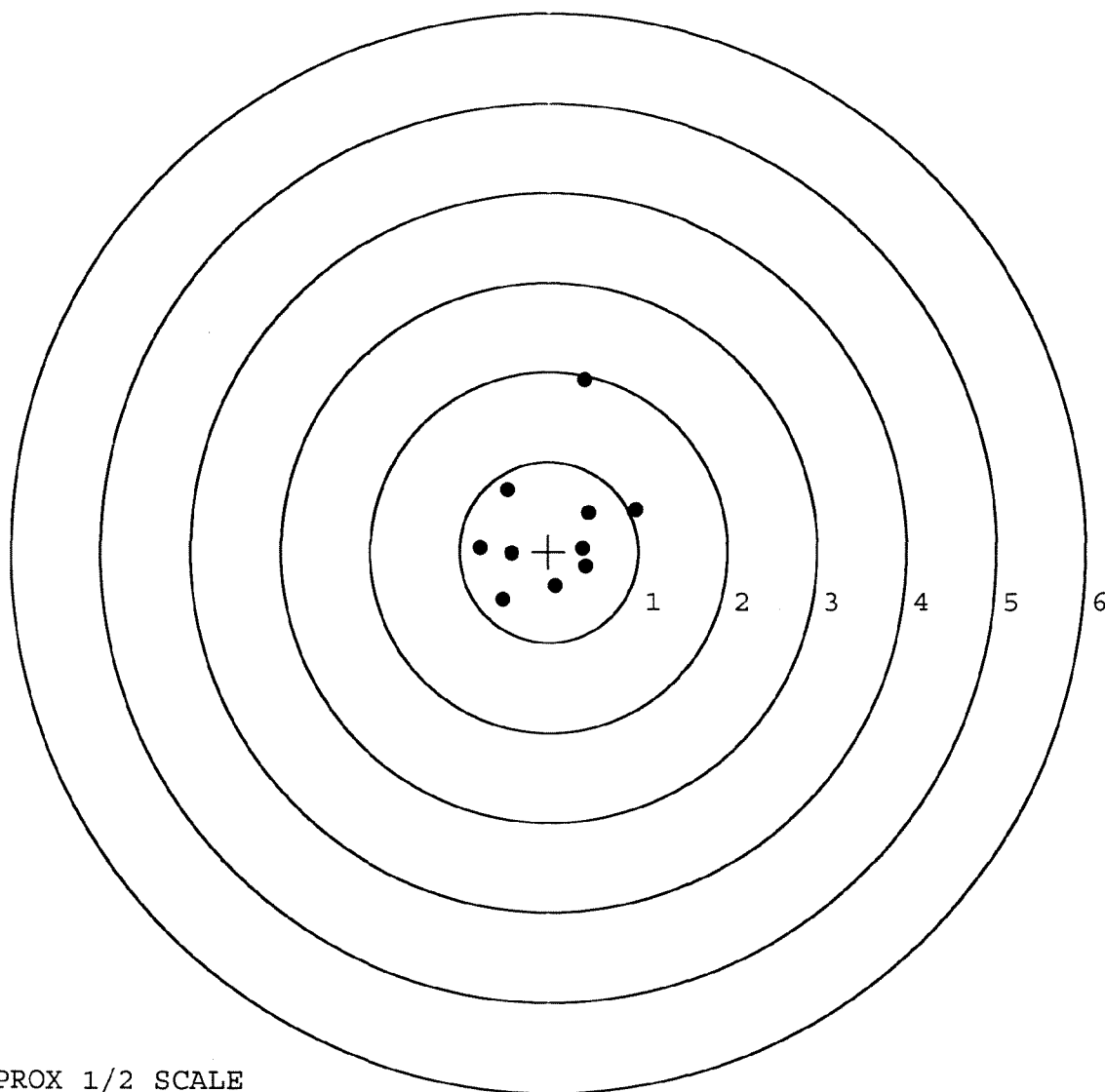
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.024
The Average Y Centroid of the Five Target Set:	-0.024
The Average Point of Impact of the Five Target Set:	0.034
The Average Mean Radius of the Five Target Set:	0.675
The Distance from POA to Centroid Target #1:	0.252
The Distance from Centroid Target #2 to Centroid Target #1:	0.398
The Distance from Centroid Target #3 to Centroid Target #1:	0.338
The Distance from Centroid Target #4 to Centroid Target #1:	0.347
The Distance from Centroid Target #5 to Centroid Target #1:	0.476

SERIAL NUMBER: C6225487. __0
TARGET NUMBER: 1
FILE DATE: 06/09/2009
FILE TIME: 07:26

POINT#	X	Y
1:	0.403	1.910
2:	-0.468	0.686
3:	-0.767	0.043
4:	-0.415	-0.021
5:	-0.516	-0.539
6:	0.074	-0.380
7:	0.414	-0.163
8:	0.383	0.038
9:	0.443	0.431
10:	0.974	0.464

X CENTROID: 0.053
Y CENTROID: 0.247
POA TO CENTROID: 0.252
HORZ SPREAD: 1.741
VERT SPREAD: 2.449
GROUP SPREAD: 2.616
MIN RADIUS: 0.391
MAX RADIUS: 1.700
MEAN RADIUS: 0.768
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

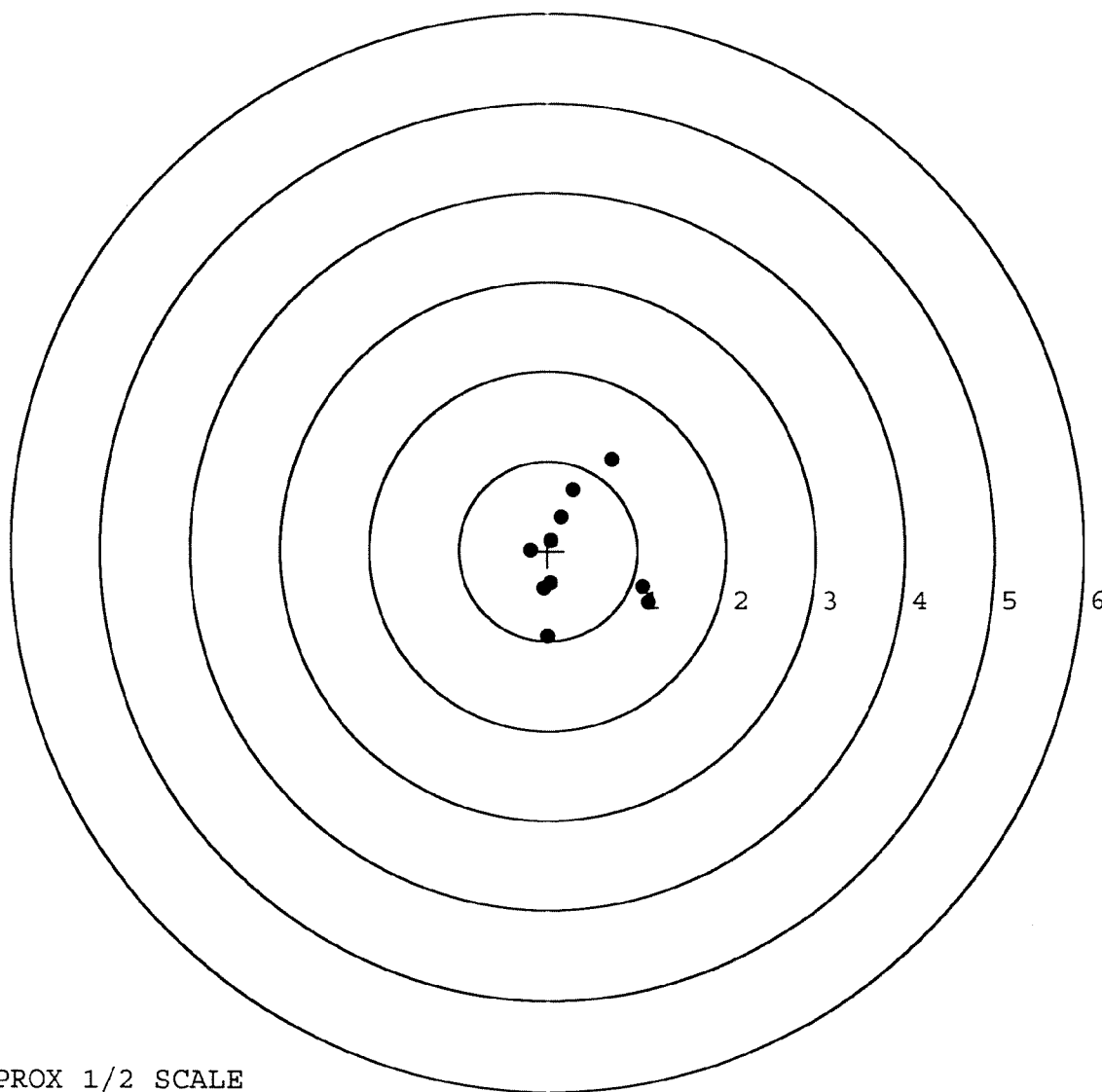


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225487. 0
TARGET NUMBER: 2
FILE DATE: 06/09/2009
FILE TIME: 07:26

POINT#	X	Y
1:	1.057	-0.406
2:	-0.008	-0.954
3:	0.029	-0.364
4:	-0.194	0.010
5:	0.039	0.118
6:	0.152	0.374
7:	0.284	0.677
8:	0.715	1.020
9:	1.124	-0.579
10:	-0.047	-0.422

X CENTROID: 0.315
Y CENTROID: -0.053
POA TO CENTROID: 0.319
HORZ SPREAD: 1.318
VERT SPREAD: 1.974
GROUP SPREAD: 2.102
MIN RADIUS: 0.325
MAX RADIUS: 1.145
MEAN RADIUS: 0.685
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

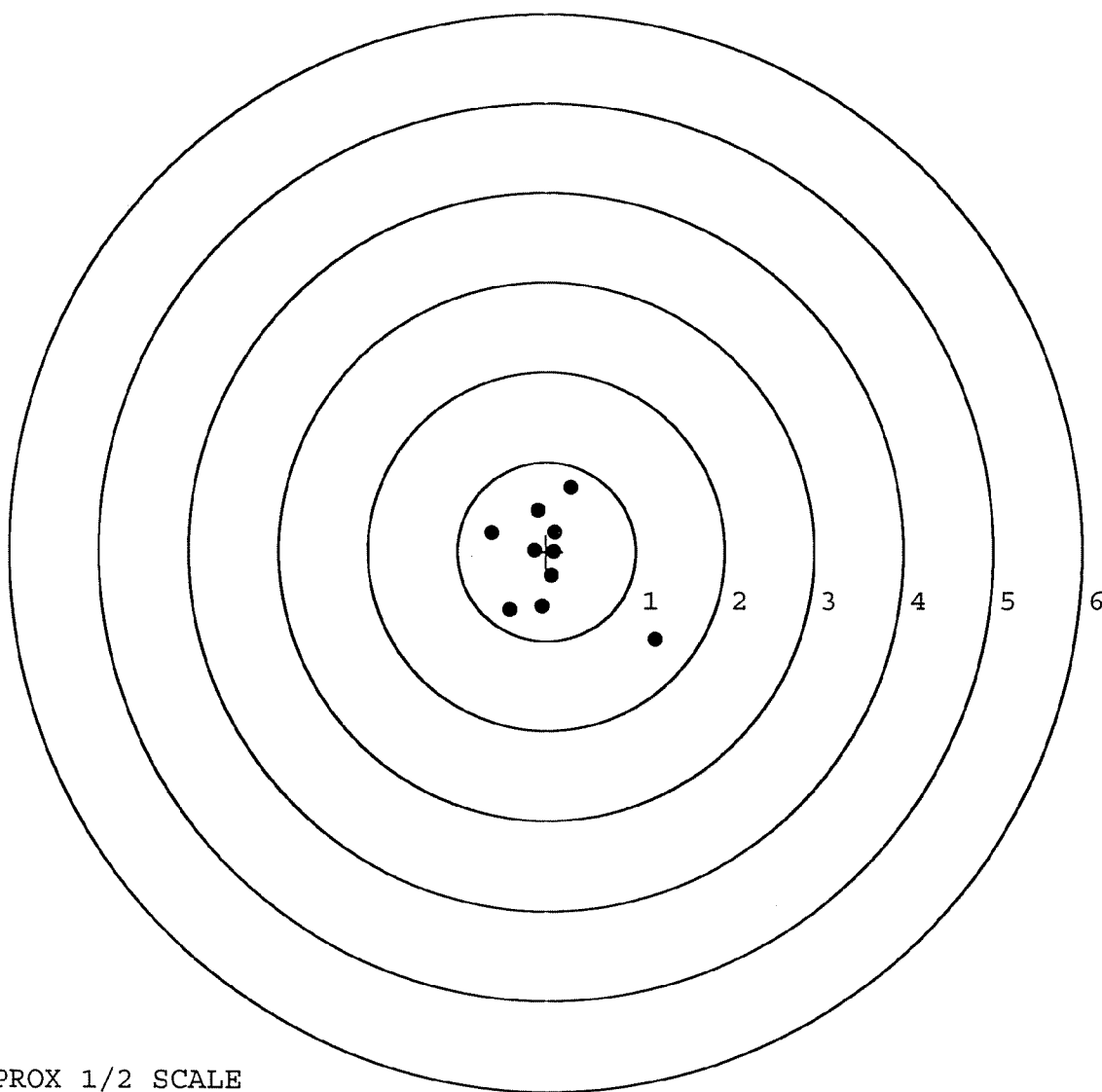


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225487.___0
TARGET NUMBER: 3
FILE DATE: 06/09/2009
FILE TIME: 07:26

POINT#	X	Y
1:	-0.418	-0.659
2:	-0.051	-0.614
3:	1.214	-0.987
4:	0.274	0.714
5:	-0.095	0.463
6:	-0.618	0.212
7:	0.097	0.216
8:	0.059	-0.272
9:	-0.135	0.014
10:	0.085	0.005

X CENTROID: 0.041
Y CENTROID: -0.091
POA TO CENTROID: 0.100
HORZ SPREAD: 1.832
VERT SPREAD: 1.701
GROUP SPREAD: 2.189
MIN RADIUS: 0.105
MAX RADIUS: 1.476
MEAN RADIUS: 0.568
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225487. __0

TARGET NUMBER: 4

FILE DATE: 06/09/2009

FILE TIME: 07:26

POINT#	X	Y
1:	-1.220	0.201
2:	-0.783	-0.174
3:	-0.022	-0.823
4:	-0.214	-0.286
5:	-0.016	-0.256
6:	-0.212	0.087
7:	0.228	0.637
8:	0.089	0.261
9:	0.416	-0.013
10:	0.808	-0.313

X CENTROID: -0.093

Y CENTROID: -0.068

POA TO CENTROID: 0.115

HORZ SPREAD: 2.028

VERT SPREAD: 1.460

GROUP SPREAD: 2.092

MIN RADIUS: 0.196

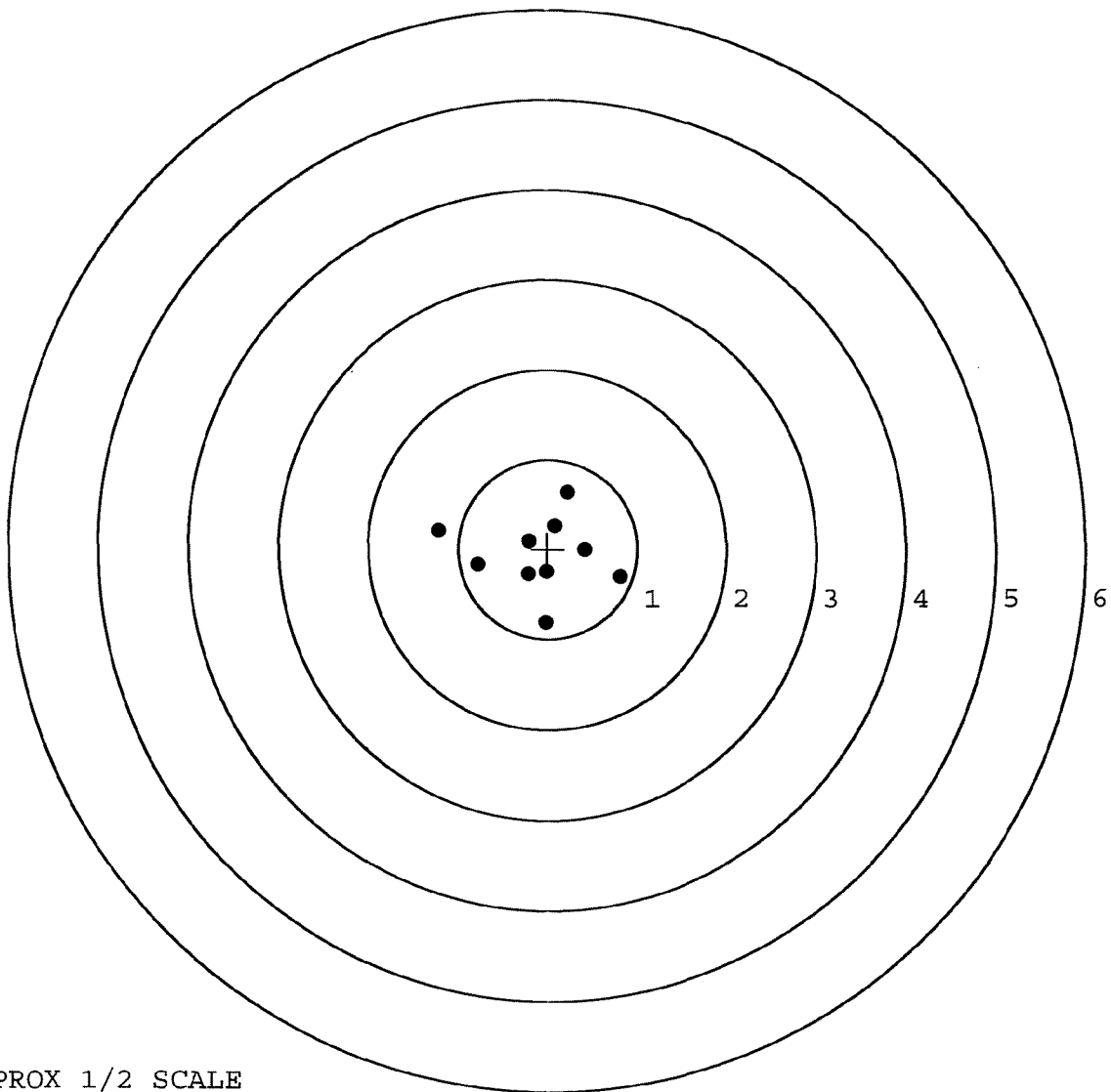
MAX RADIUS: 1.159

MEAN RADIUS: 0.586

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225487. __0

TARGET NUMBER: 5

FILE DATE: 06/09/2009

FILE TIME: 07:26

POINT#	X	Y
--------	---	---

1:	0.025	0.740
----	-------	-------

2:	0.557	0.472
----	-------	-------

3:	0.651	-0.767
----	-------	--------

4:	-0.439	0.007
----	--------	-------

5:	-0.310	0.005
----	--------	-------

6:	0.249	-0.008
----	-------	--------

7:	0.273	0.349
----	-------	-------

8:	-0.836	-0.734
----	--------	--------

9:	-0.966	-0.901
----	--------	--------

10:	-1.181	-0.741
-----	--------	--------

X CENTROID: -0.198

Y CENTROID: -0.158

POA TO CENTROID: 0.253

HORZ SPREAD: 1.832

VERT SPREAD: 1.641

GROUP SPREAD: 2.119

MIN RADIUS: 0.198

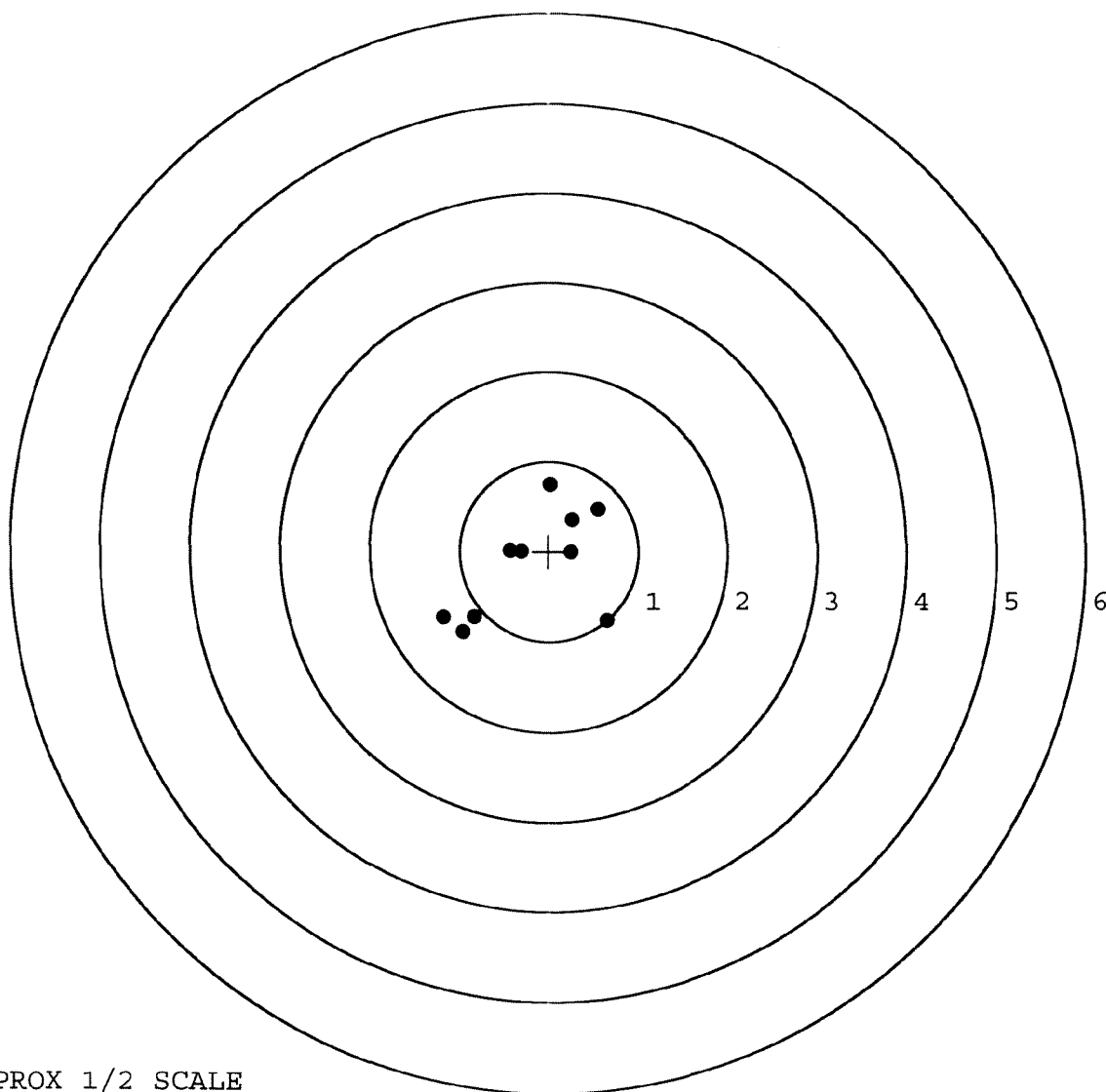
MAX RADIUS: 1.143

MEAN RADIUS: 0.768

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools GSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00093010** Serial: C6225487 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/20/1988

Repairman: Status: Closed 2/11/2005 7:24:24 AM

Verify Repair

Address Information

Customer: ☐ Received From: ☒ Return To: ☐ Received From: ☐

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL AL Zip Code: 362014199 362014199 Country: US US

FPI: [] [] [] [] [] [] [] []

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Good: Condition Notes: GSR Notes:

Accessories Received:

Code	Description	Qty
A007	With Stud	3
A014	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Front and Rear Sight Base	1

Repair Search Refresh Close

naslet 2/14/2005 8:10 AM CAPS NUM INS SCPL

start 5 2 3 Arms Service

Serial Number: **C6225487**

Model: **M24 SWS**



RE00093010

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225487.__0
FILE DATE AND TIME: 09/02/2005 11:37

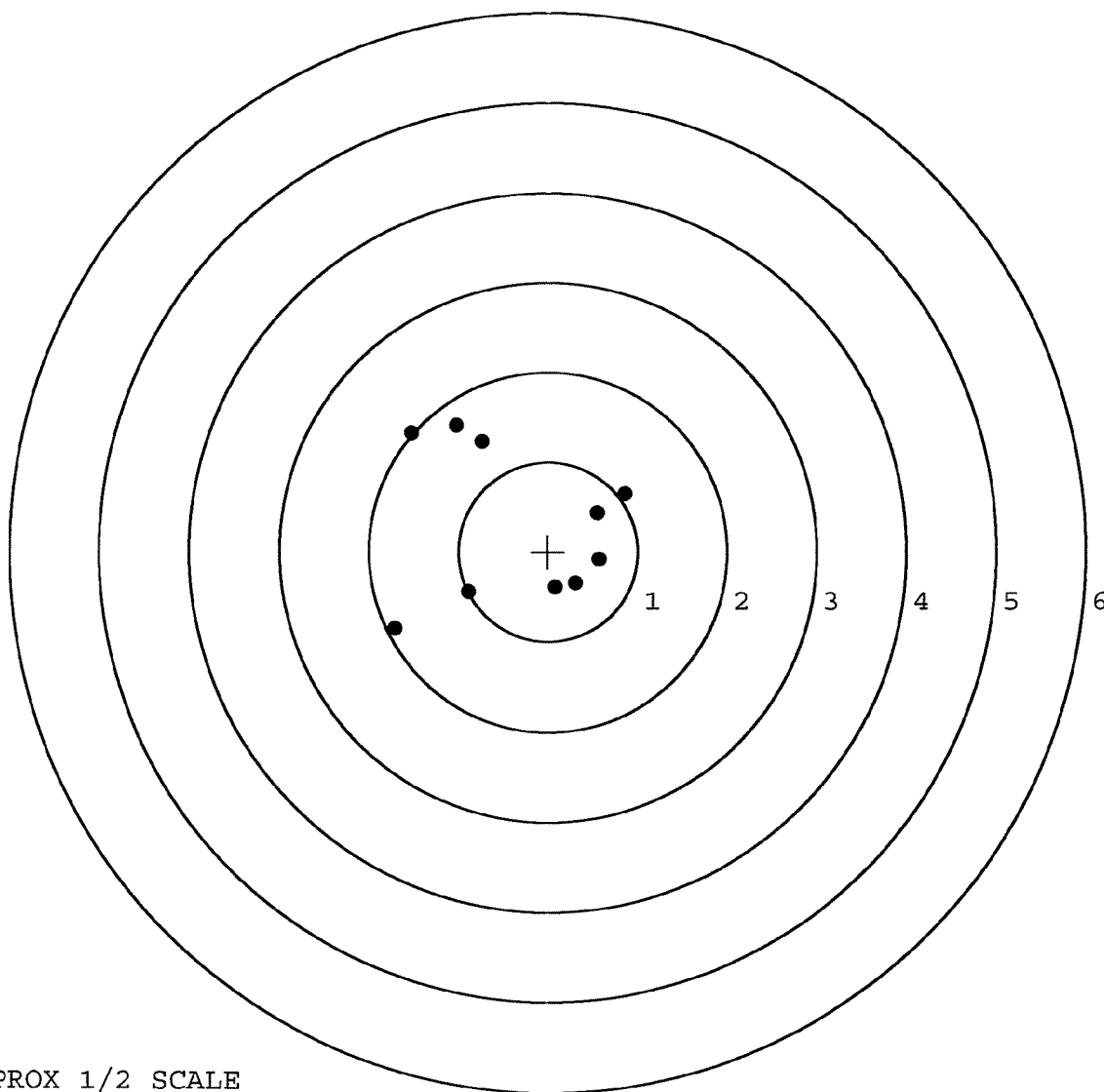
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.092
The Average Y Centroid of the Five Target Set:	0.032
The Average Point of Impact of the Five Target Set:	0.097
The Average Mean Radius of the Five Target Set:	0.909
The Distance from POA to Centroid Target #1:	0.455
The Distance from Centroid Target #2 to Centroid Target #1:	0.951
The Distance from Centroid Target #3 to Centroid Target #1:	0.597
The Distance from Centroid Target #4 to Centroid Target #1:	0.586
The Distance from Centroid Target #5 to Centroid Target #1:	0.575

SERIAL NUMBER: C6225487. __0
TARGET NUMBER: 1
FILE DATE: 09/02/2005
FILE TIME: 11:37

X CENTROID: -0.354
Y CENTROID: 0.285
POA TO CENTROID: 0.455
HORZ SPREAD: 2.563
VERT SPREAD: 2.275
GROUP SPREAD: 2.982
MIN RADIUS: 0.816
MAX RADIUS: 1.782
MEAN RADIUS: 1.150
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.855	0.652
2:	0.550	0.439
3:	0.569	-0.088
4:	0.310	-0.357
5:	0.080	-0.406
6:	-0.893	-0.457
7:	-1.708	-0.873
8:	-0.744	1.221
9:	-1.030	1.402
10:	-1.530	1.320

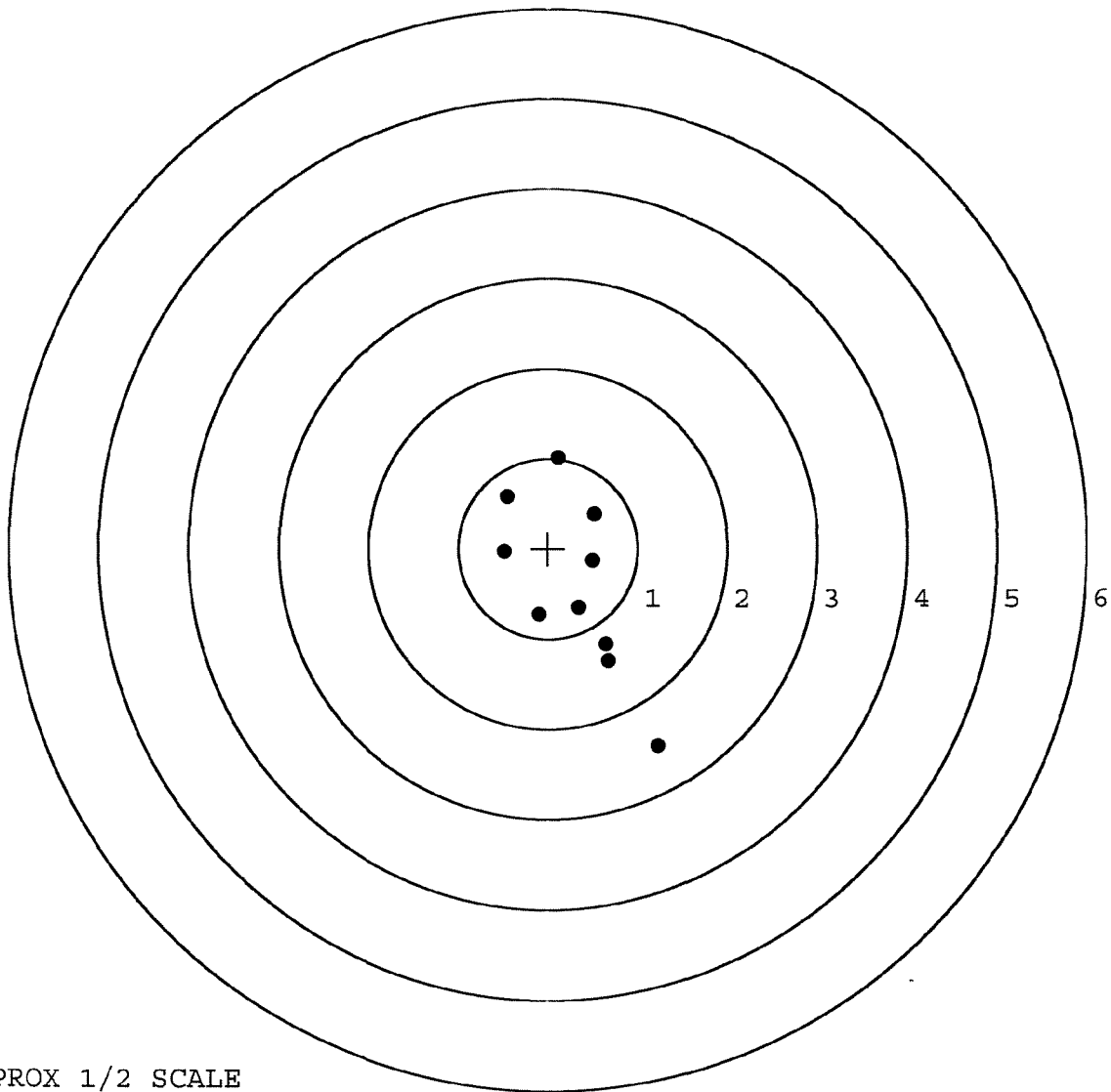


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225487. __0
TARGET NUMBER: 2
FILE DATE: 09/02/2005
FILE TIME: 11:37

X CENTROID: 0.294
Y CENTROID: -0.410
POA TO CENTROID: 0.505
HORZ SPREAD: 1.713
VERT SPREAD: 3.198
GROUP SPREAD: 3.383
MIN RADIUS: 0.252
MAX RADIUS: 2.005
MEAN RADIUS: 0.914
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.668	-1.252
2:	0.643	-1.063
3:	0.344	-0.657
4:	0.496	-0.138
5:	0.508	0.382
6:	0.119	1.011
7:	-0.464	0.578
8:	-0.490	-0.034
9:	-0.103	-0.739
10:	1.223	-2.187

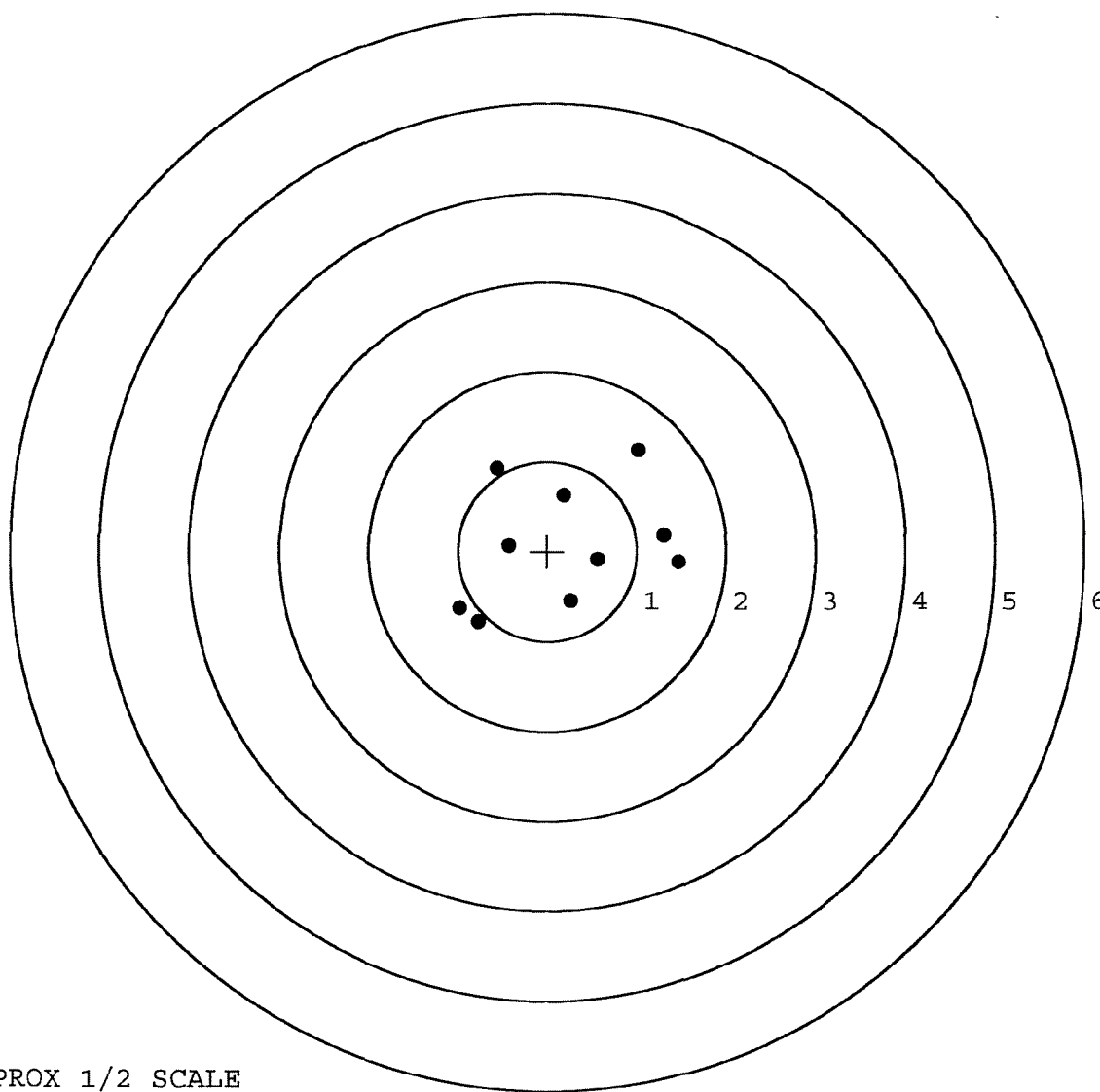


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225487. __0
TARGET NUMBER: 3
FILE DATE: 09/02/2005
FILE TIME: 11:37

X CENTROID: 0.202
Y CENTROID: 0.070
POA TO CENTROID: 0.214
HORZ SPREAD: 2.453
VERT SPREAD: 1.922
GROUP SPREAD: 2.663
MIN RADIUS: 0.396
MAX RADIUS: 1.381
MEAN RADIUS: 0.976
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.468	-0.133
2:	1.301	0.175
3:	0.561	-0.098
4:	0.261	-0.557
5:	1.007	1.131
6:	0.184	0.620
7:	-0.566	0.920
8:	-0.432	0.066
9:	-0.776	-0.791
10:	-0.985	-0.636

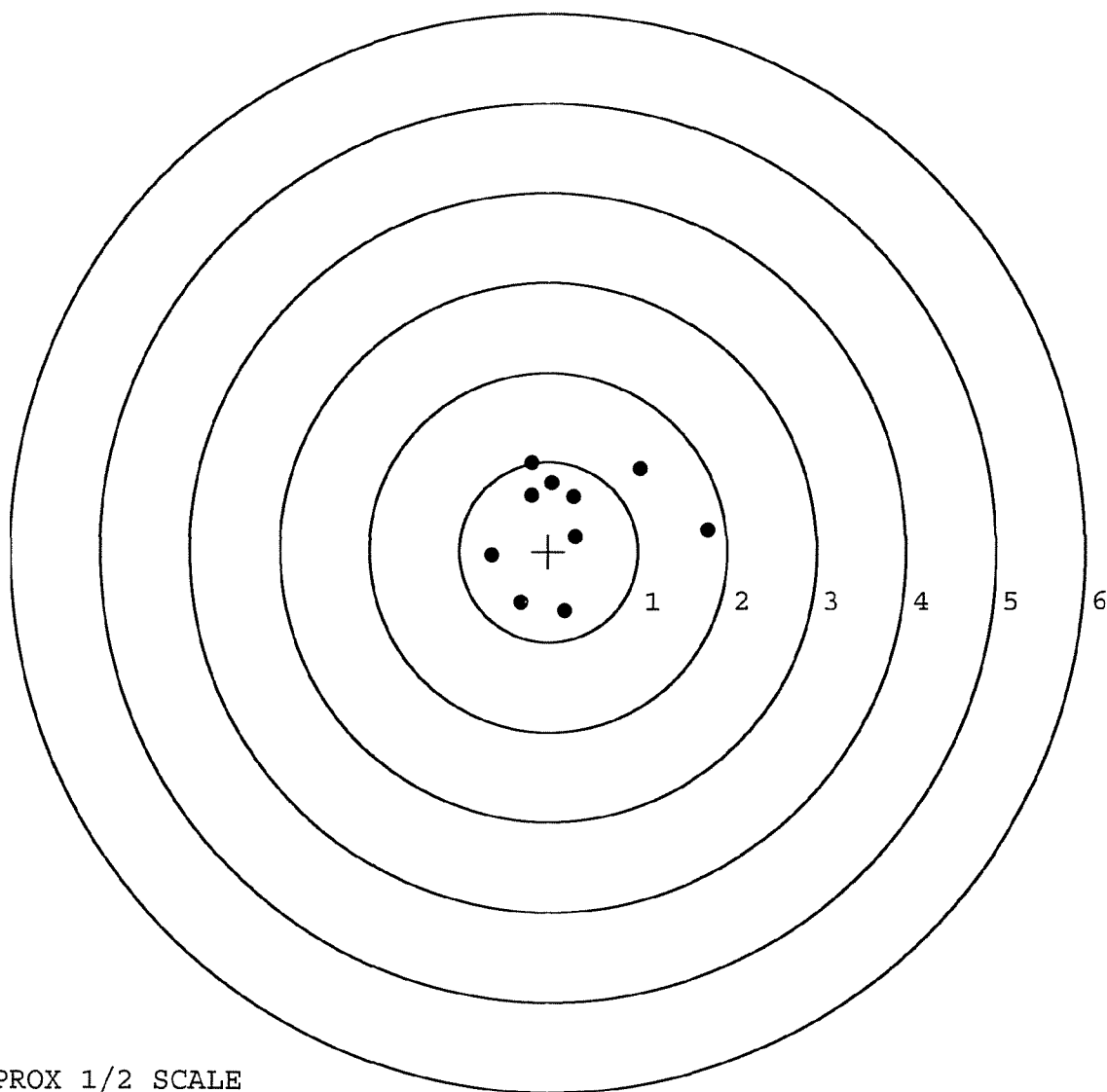


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225487.___0
TARGET NUMBER: 4
FILE DATE: 09/02/2005
FILE TIME: 11:37

POINT#	X	Y
1:	1.791	0.235
2:	1.032	0.925
3:	0.293	0.613
4:	0.304	0.160
5:	0.181	-0.661
6:	-0.313	-0.572
7:	-0.637	-0.048
8:	0.040	0.762
9:	-0.182	0.622
10:	-0.188	0.992

X CENTROID: 0.232
Y CENTROID: 0.303
POA TO CENTROID: 0.382
HORZ SPREAD: 2.428
VERT SPREAD: 1.653
GROUP SPREAD: 2.444
MIN RADIUS: 0.160
MAX RADIUS: 1.560
MEAN RADIUS: 0.781
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

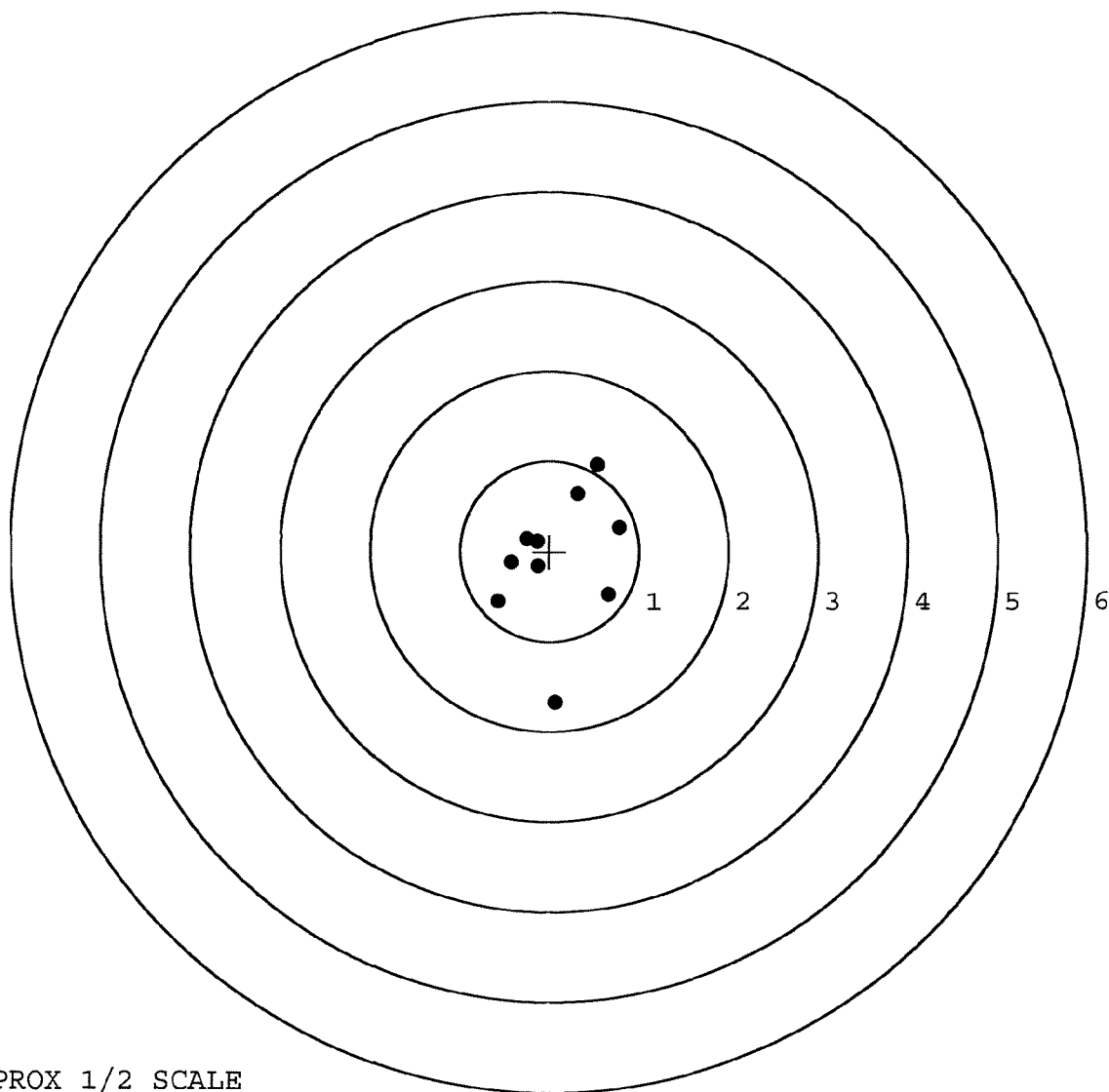


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225487. __0
TARGET NUMBER: 5
FILE DATE: 09/02/2005
FILE TIME: 11:37

POINT#	X	Y
1:	0.654	-0.479
2:	0.783	0.268
3:	0.072	-1.683
4:	-0.577	-0.558
5:	0.533	0.959
6:	0.322	0.638
7:	-0.260	0.140
8:	-0.137	0.116
9:	-0.428	-0.123
10:	-0.131	-0.166

X CENTROID: 0.083
Y CENTROID: -0.089
POA TO CENTROID: 0.122
HORZ SPREAD: 1.360
VERT SPREAD: 2.642
GROUP SPREAD: 2.682
MIN RADIUS: 0.228
MAX RADIUS: 1.594
MEAN RADIUS: 0.724
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	93018		
SERIAL NUMBER	C622.5487		
LOG-IN DATE	2-3-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-17-05	RTL
560 A	RE-BARREL	8-23-05	RTL
B	DRILL AND TAP	8-25-05	TRW
575	ASSEMBLE	8-24-05	RTL
600	PROOF	8-24-05	AC
605	CHECK HEADSPACE	8-24-05	AC
610	DIS-ASSEMBLE GUN	8-25-05	RTL
612	MAGNAFLUX	8-25-05	und
615	ROLLMARK CALIBER	8-25-05	CW
618	ROTO-BLAST	8-26-05	CB
620	APPLY COATINGS	8/29/05	TRB
625 A	FINAL ASSEMBLY	9-1-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	9-6-05	AC
D	SAFETY "OFF" FORCE	9-6-05	AC
E	FIRING PIN INDENT	9-6-05	AC
640	TARGET	9-2-05	TRW
655	FINAL INSPECT	9-6-05	AC
660	PACK	9-10-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

36 42
M-24SCALP #
1291
CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225487

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	9 12 88		FB
600	Proof	9 19 88		RW
607	Check Headspace	9 19 88		RW
610	Dis-assemble gun	9 19 88		RW
612	Magnaflux Barrel Action		9 22 88	pjc.
	Magnaflux Bolt		9 22 88	pjc.
615	Rollmark Caliber			
617	Drill & Tap Sight Holes			
618	Polish Barrel			
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		11/15/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/15/88	RW
	C) Inspect Ejector Hole for Chamfer		11/15/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		11/15/88	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		16 NOV 88	JSS
	F) Safety on Force	5 5 5	17 NOV 88	JSS
	G) Safety off Force	3 3 3	17 NOV 88	JSS
	H) Trigger Pull Test & Retainability		16 NOV 88	JSS
	I) Firing Pin Indent	.021 .0215 .0215	17 NOV 88	JSS
	J) Assemble Stock		11/17/88	RW
	K) Attach Front & Rear Sight Assemblies		11/30/88	WLB
	L) Iron Sight Alignment		11/30/88	WLB
	M) Detach Front & Rear Sights & place in numbered container		11/30/88	WLB
	N) Attach Scope to Rifle		11/30/88	WLB
	O) Detach & Attach Scope 20 times		11/30/88	WLB
640	Gallery Target & Test		12/1/88	DH
	A) Optical Clarity of Scope		12/1/88	DH
645	Inspect for Live Ammo		12/1/88	DH
655	Final Inspection			
	A) Headspace		5 Dec 88	JSS
	B) Trigger Pull	245 240 240	239 238	JSS
	C) Function		5 Dec 88	JSS
	D) Assemble Swivel Studs		5 Dec 88	JSS
660	Pack		14 Dec 88	R.S.

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		11/15/88	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		16 NOV 88	JSS
	F) Safety on Force	5 : 5 : 5	17 NOV 88	JSS
	G) Safety off Force	3 : 3 : 3	17 NOV 88	JSS
	H) Trigger Pull Test & Retainability		16 NOV 88	JSS
	I) Firing Pin Indent	.021 : .0215 : .0215	17 NOV 88	JSS
	J) Assemble Stock		11/17/88	RW
	K) Attach Front & Rear Sight Assemblies		11/30/88	WCB
	L) Iron Sight Alignment		11/30/88	WCB
	M) Detach Front & Rear Sights & place in numbered container		11/30/88	WCB
	N) Attach Scope to Rifle		11/30/88	WCB
	O) Detach & Attach Scope 20 times		11/30/88	WCB
640	Gallery Target & Test		12/1/88	DH
	A) Optical Clarity of Scope		12/1/88	DH
645	Inspect for Live Ammo		12/1/88	DH
655	Final Inspection			
	A) Headspace		5 Dec 88	JSS
	B) Trigger Pull	245 : 240 : 240	239 : 238	JSS
	C) Function		5 Dec 88	JSS
	D) Assemble Swivel Studs		5 Dec 88	JSS
660	Pack		14 Dec 88	R.S.

6.2
SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6225487

DATE 16 NOV 88

TESTER RLS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.41	2.42	2.45	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.43	2.38	2.40	
PULL #3	2.38	2.39	2.54	2.40	
PULL #4	2.37	2.39	2.47	2.39	
PULL #5	2.34	2.39	2.45	2.38	
TOTAL	11.93	12.01	12.16	12.02	
AVG.	2.386	2.402	2.432	2.404	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.15	3.04		
PULL #2	3.06	3.05		
PULL #3	3.03	3.11		
PULL #4	3.05	3.02		
PULL #5	3.07	3.03		
TOTAL	15.36	15.25		
AVG.	3.072	3.05		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.31		4.34
PULL #2	4.17	4.23		4.10
PULL #3	4.26	4.24		4.08
PULL #4	4.26	4.17		4.26
PULL #5	4.27	4.19		4.17
TOTAL	21.17	21.14		20.89
AVG.	4.234	4.228		4.178

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225487

CENTROIDAL DISTANCES

0	TO	1	.599621
1	TO	2	1.16141
1	TO	3	.994518
1	TO	4	.537651
1	TO	5	.922099

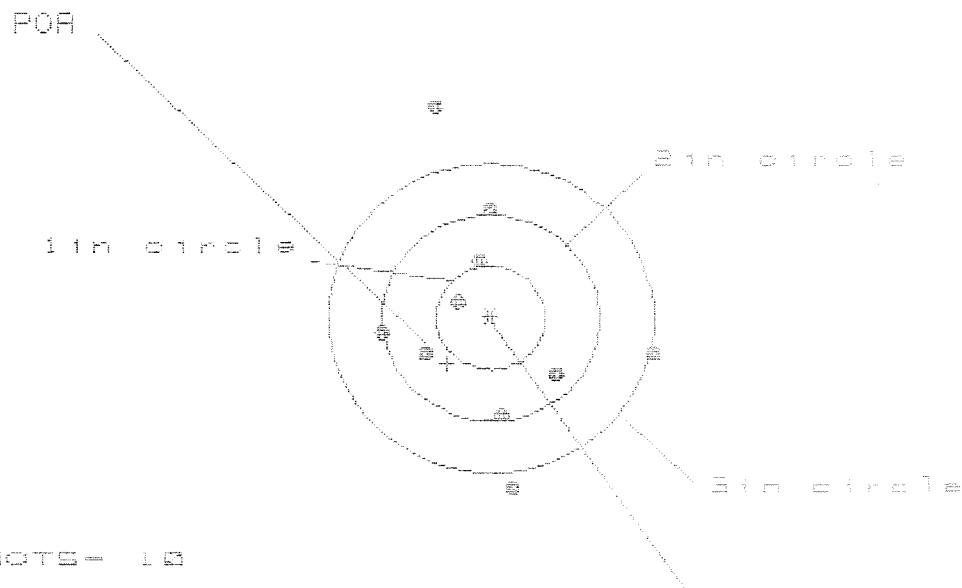
1
+ <----POA
2

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3658
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2592
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .448324
THE AMR FOR THIS RIFLE IS: .9194

1 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08223487

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 7

100 = 2.485

100 = 3.659

100 = 3.713

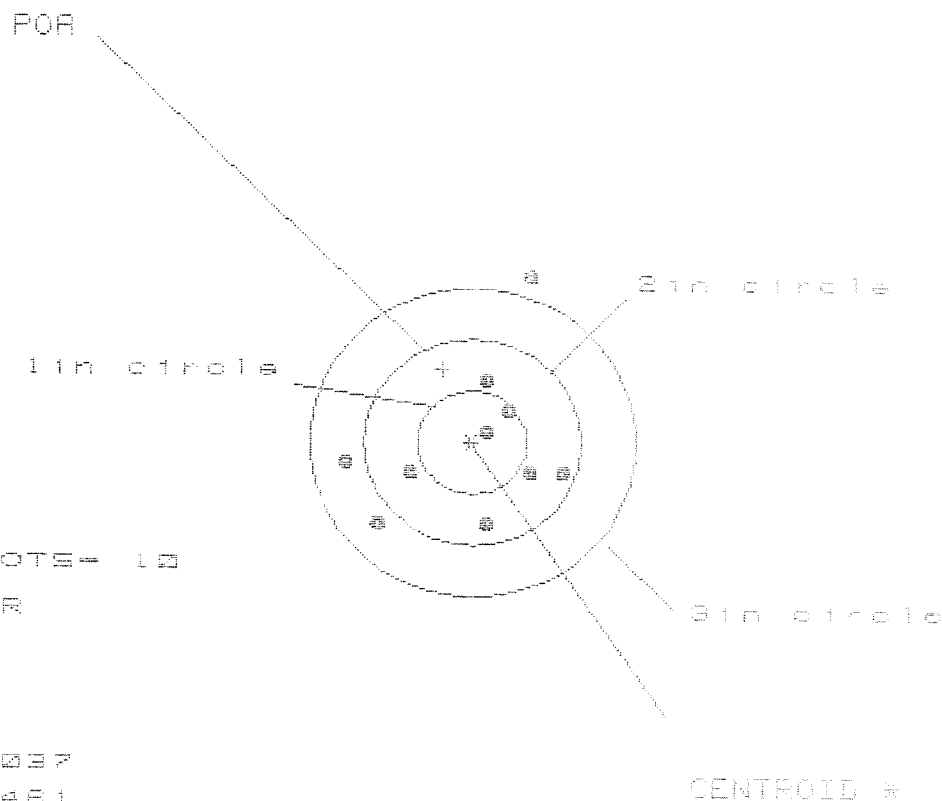
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.462	1.411	1.427
MINIMUM X	:	-1.973	-1.024	-1.008
MAXIMUM Y	:	2.063	1.251	1.080
MINIMUM Y	:	-1.596	-1.367	-1.882
CENTROID X	:	.403	.454	.438
CENTROID Y	:	.444	.215	.386
POR TO CENTROID in.	:	.600	.582	.584
MIN RADIUS	:	.334	.529	.397
MEAN RADIUS	:	1.056	.933	.861
MAX RADIUS	:	2.113	1.416	1.456
HORIZONTAL SPREAD	:	2.435	2.435	2.435
VERTICAL SPREAD	:	3.659	2.618	1.962
EXTREME SPREAD	:	3.713	2.623	2.447
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	7		

1 Oct 1988

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.037

VS= 2.461

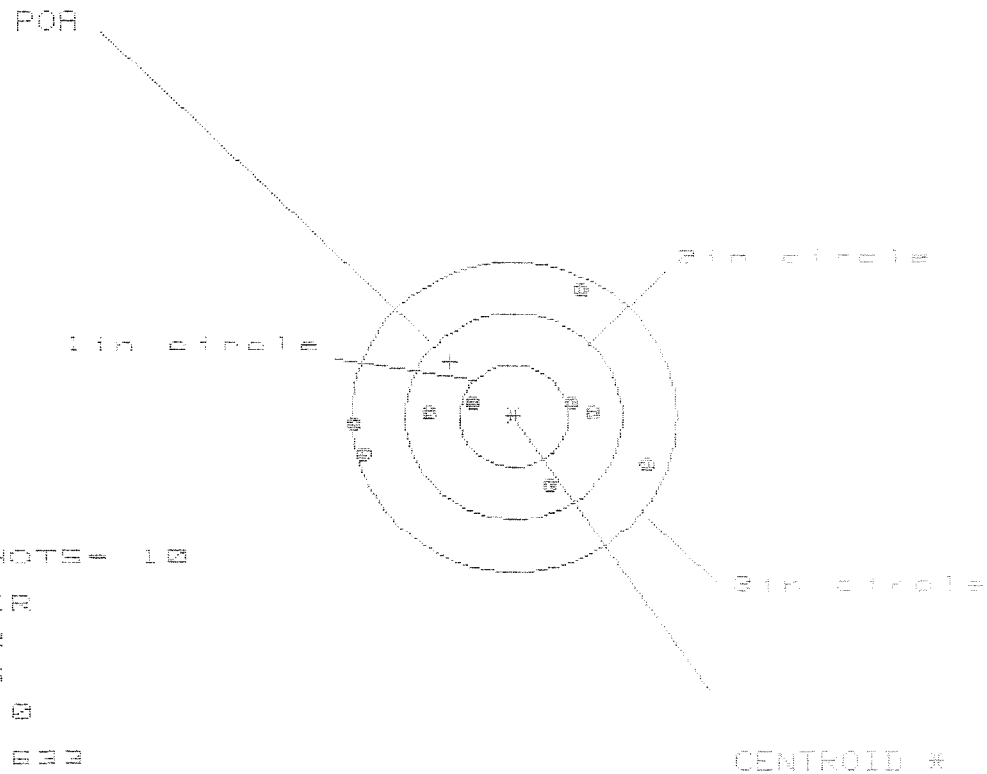
GS= 2.838

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.838	.896	.754
MINIMUM X	:	-1.199	-1.141	-.970
MAXIMUM Y	:	1.633	.759	.756
MINIMUM Y	:	-.828	-.646	-.649
CENTROID X	:	.272	.214	.356
CENTROID Y	:	-.710	-.892	-.889
POA TO CENTROID in.	:	.781	.917	.958
MIN RADIUS	:	.183	.371	.336
MEAN RADIUS	:	.836	.742	.668
MAX RADIUS	:	1.716	1.141	1.167
HORIZONTAL SPREAD	:	2.037	2.037	1.724
VERTICAL SPREAD	:	2.461	1.405	1.405
EXTREME SPREAD	:	2.838	2.038	1.812
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

IS = 2.633

VS = 1.912

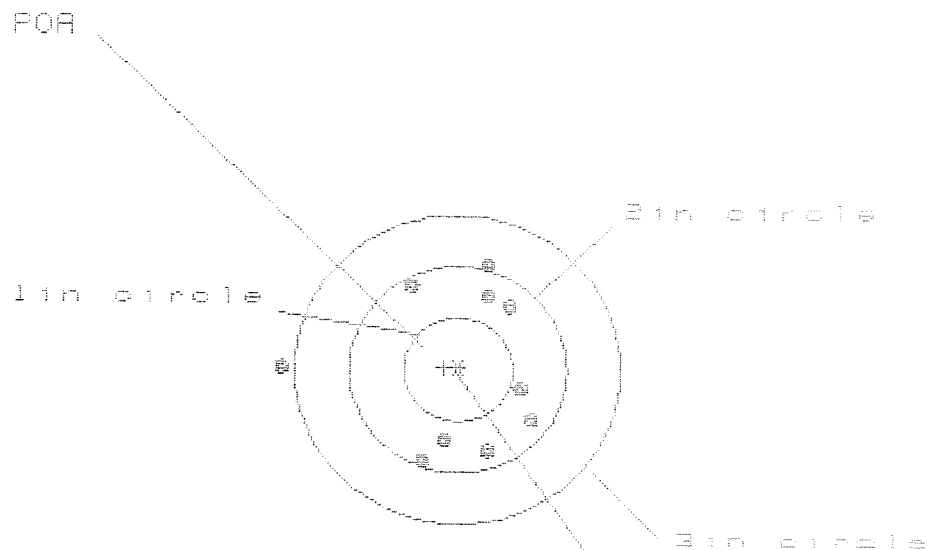
ES = 2.662

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.179	1.017	.825
MINIMUM X	:	-1.454	-1.538	-1.153
MAXIMUM Y	:	1.259	1.248	1.200
MINIMUM Y	:	-.653	-.664	-.712
CENTROID X	:	.578	.740	.932
CENTROID Y	:	-.535	-.524	-.476
POA TO CENTROID in.	:	.788	.906	1.046
MIN RADIUS	:	.418	.333	.139
MEAN RADIUS	:	.945	.859	.718
MAX RADIUS	:	1.458	1.585	1.235
HORIZONTAL SPREAD	:	2.633	2.555	1.978
VERTICAL SPREAD	:	1.912	1.912	1.912
EXTREME SPREAD	:	2.662	2.599	2.052
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	10		

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CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 0

2in = 8

3in = 9

HS = 2.343

VS = 1.923

GS = 2.395

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.678	.493	.566
MINIMUM X	-1.665	-.572	-.562
MAXIMUM Y	.993	.991	.918
MINIMUM Y	-.938	-.932	-.888
CENTROID X	.128	.313	.383
CENTROID Y	-.018	-.016	-.140
POA TO CENTROID in.	.129	.313	.334
MIN RADIUS	.570	.404	.366
MEAN RADIUS	.894	.775	.732
MAX RADIUS	1.665	1.050	1.076
HORIZONTAL SPREAD	2.343	1.065	1.065
VERTICAL SPREAD	1.923	1.923	1.726
EXTREME SPREAD	2.395	2.005	1.728
NUMBER IN ONE INCH CIRCLE =	0	8	9
NUMBER IN TWO INCH CIRCLE =	0	8	9
NUMBER IN THREE INCH CIRCLE =	0	8	9

1 Dec 1988

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CENTERFIRE PATTERNS

5

POB

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 1.876

VSE= 2.782

GS= 3.194

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.128	.479	.423
MINIMUM X	-.848	-.723	-.773
MAXIMUM Y	1.332	1.159	1.086
MINIMUM Y	-1.370	-1.222	-1.141
CENTROID X	.448	.323	.379
CENTROID Y	-.477	-.625	-.472
POB TO CENTROID in.	.655	.703	.606
MIN RADIUS	.206	.395	.259
MEAN RADIUS	.866	.773	.683
MAX RADIUS	1.745	1.302	1.151
HORIZONTAL SPREAD	1.976	1.202	1.202
VERTICAL SPREAD	2.782	2.381	2.147
EXTREME SPREAD	3.194	2.434	2.152
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		