

G6590181
Raphae
G6391089

Repair Inquiry

Repair Number: **RE00129832**

Serial: G6590181 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

New 5/30/2007 9:58:06 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: **TRANSPORTATION DIVISION DFEL**

TRANSPORTATION DIVISION DFEL

Address 1: **6759 MITCHELL AVENUE**

6759 MITCHELL AVENUE

Address 2: **BLDG 1836**

PO Box:

BLDG 1836

PO Box:

City: **FORT BENNING**

FORT BENNING

State: **GA**

Zip Code: **31905**

Country: **US**

State: **GA**

Zip Code: **31905**

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
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	2

Repair Search

Refresh

Close

nagletj

5/30/2007

2:04 PM

CAPS

NUM

INS

SCRL



Serial Number: **G6590181**

Model: **M24 SWS**



RE00129832

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6590181.__0
FILE DATE AND TIME: 07/26/2007 14:50

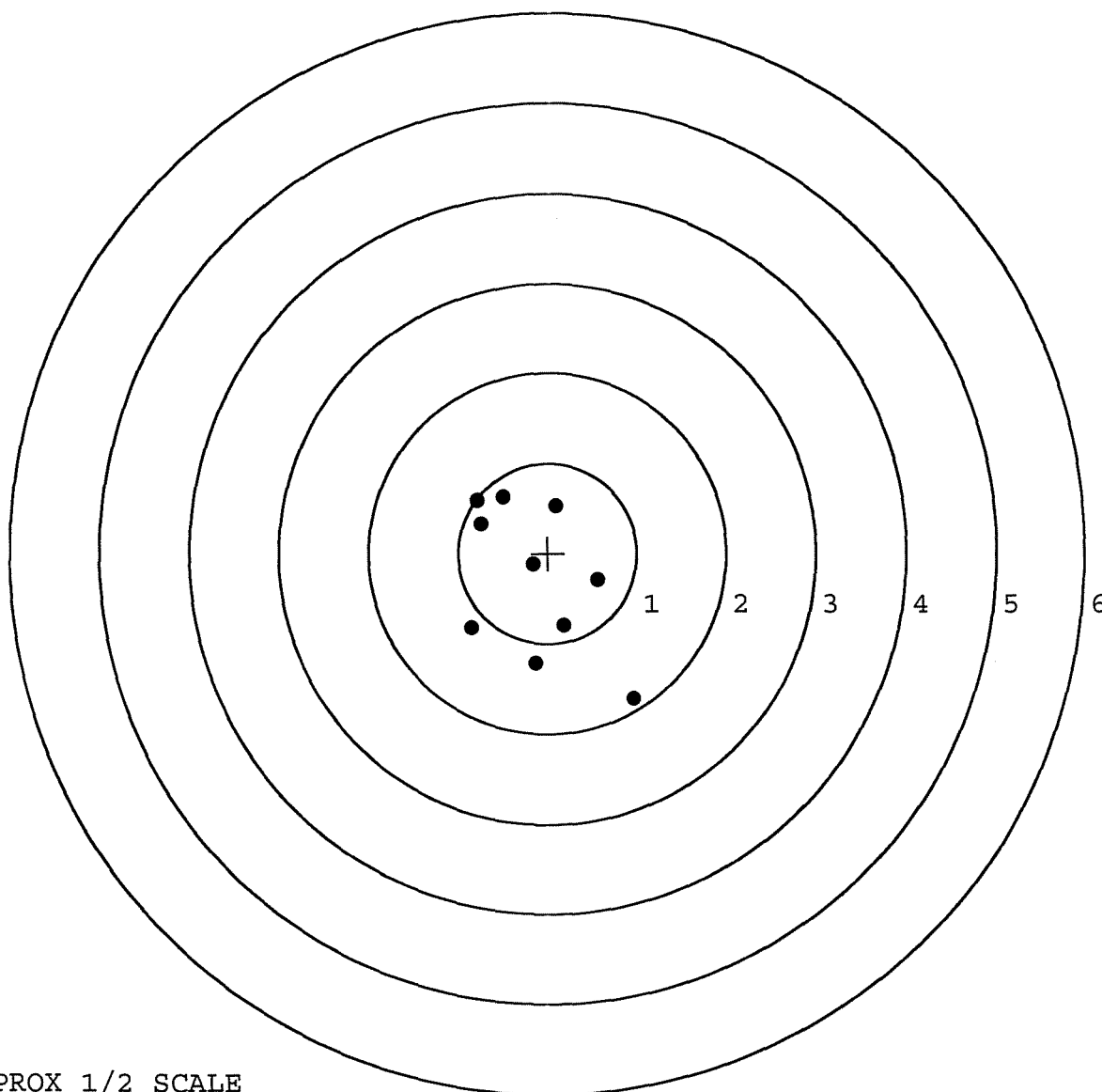
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.035
The Average Y Centroid of the Five Target Set:	-0.102
The Average Point of Impact of the Five Target Set:	0.108
The Average Mean Radius of the Five Target Set:	0.745
The Distance from POA to Centroid Target #1:	0.313
The Distance from Centroid Target #2 to Centroid Target #1:	0.224
The Distance from Centroid Target #3 to Centroid Target #1:	0.288
The Distance from Centroid Target #4 to Centroid Target #1:	0.395
The Distance from Centroid Target #5 to Centroid Target #1:	0.297

SERIAL NUMBER: G6590181. 0
TARGET NUMBER: 1
FILE DATE: 07/26/2007
FILE TIME: 14:50

POINT#	X	Y
1:	0.969	-1.607
2:	-0.137	-1.223
3:	0.185	-0.801
4:	0.563	-0.299
5:	-0.172	-0.129
6:	-0.850	-0.829
7:	0.092	0.531
8:	-0.503	0.632
9:	-0.787	0.588
10:	-0.749	0.333

X CENTROID: -0.139
Y CENTROID: -0.280
POA TO CENTROID: 0.313
HORZ SPREAD: 1.819
VERT SPREAD: 2.239
GROUP SPREAD: 2.811
MIN RADIUS: 0.155
MAX RADIUS: 1.728
MEAN RADIUS: 0.881
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

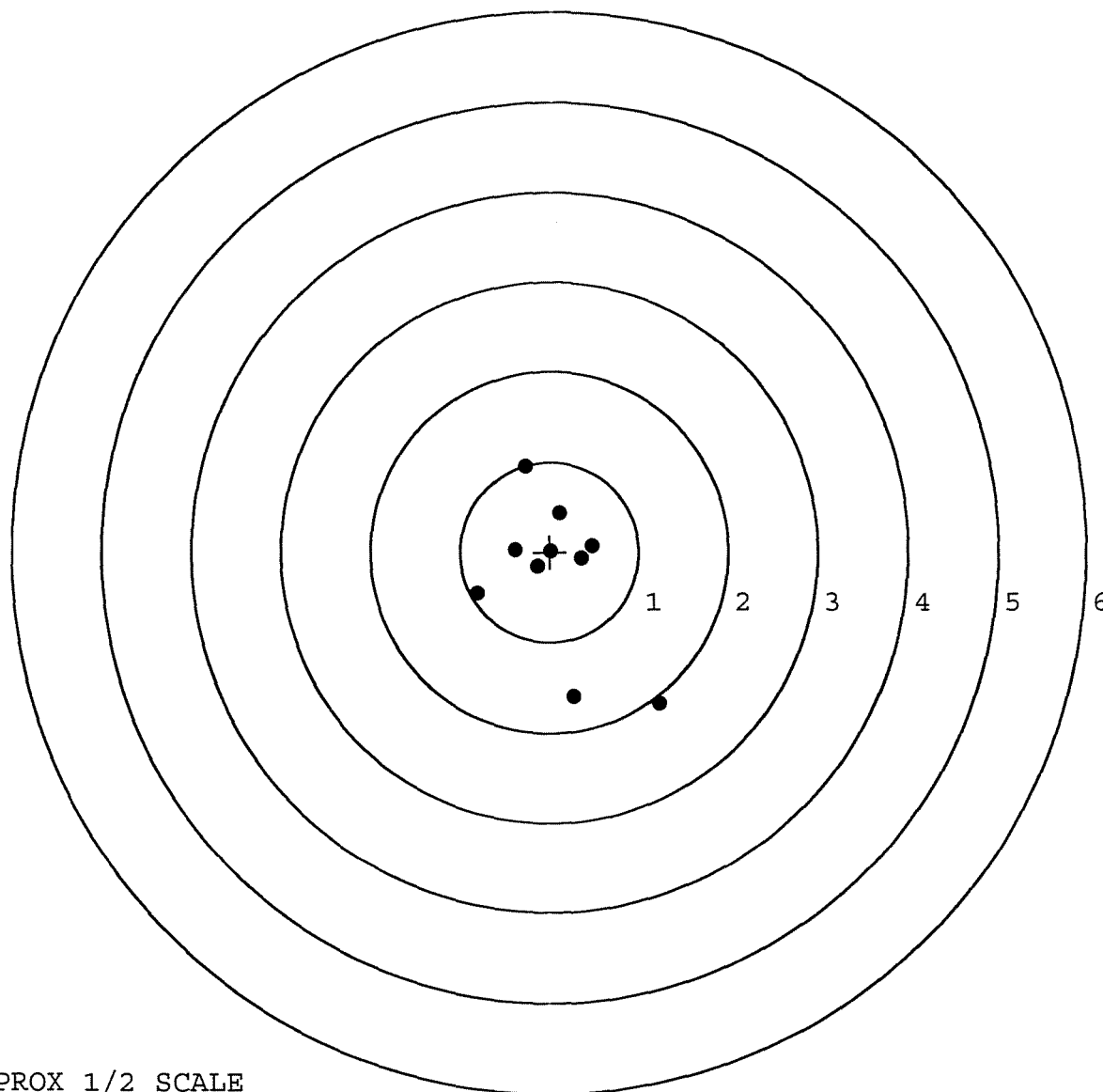


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. __ 0
TARGET NUMBER: 2
FILE DATE: 07/26/2007
FILE TIME: 14:50

POINT#	X	Y
1:	0.474	0.067
2:	0.355	-0.070
3:	0.107	0.429
4:	-0.278	0.947
5:	0.007	0.012
6:	-0.145	-0.164
7:	-0.388	0.026
8:	-0.808	-0.464
9:	0.275	-1.600
10:	1.235	-1.677

X CENTROID: 0.083
Y CENTROID: -0.249
POA TO CENTROID: 0.263
HORZ SPREAD: 2.043
VERT SPREAD: 2.624
GROUP SPREAD: 3.029
MIN RADIUS: 0.244
MAX RADIUS: 1.834
MEAN RADIUS: 0.793
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

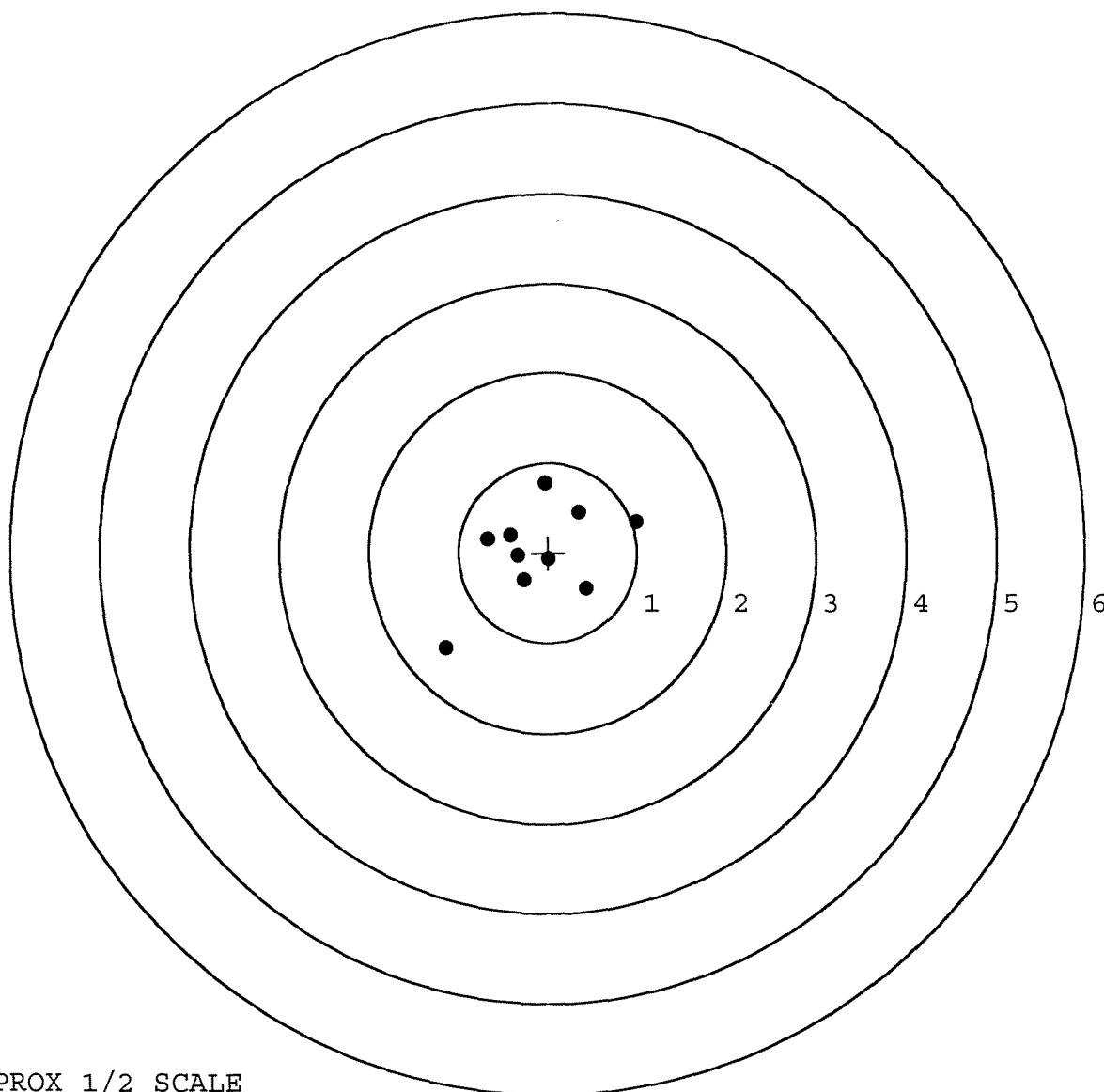


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. 0
TARGET NUMBER: 3
FILE DATE: 07/26/2007
FILE TIME: 14:50

POINT#	X	Y
1:	0.993	0.348
2:	0.428	-0.397
3:	0.341	0.458
4:	-0.045	0.775
5:	-1.145	-1.066
6:	-0.268	-0.304
7:	-0.006	-0.067
8:	-0.340	-0.037
9:	-0.422	0.196
10:	-0.674	0.155

X CENTROID: -0.114
Y CENTROID: 0.006
POA TO CENTROID: 0.114
HORZ SPREAD: 2.138
VERT SPREAD: 1.841
GROUP SPREAD: 2.563
MIN RADIUS: 0.130
MAX RADIUS: 1.488
MEAN RADIUS: 0.638
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

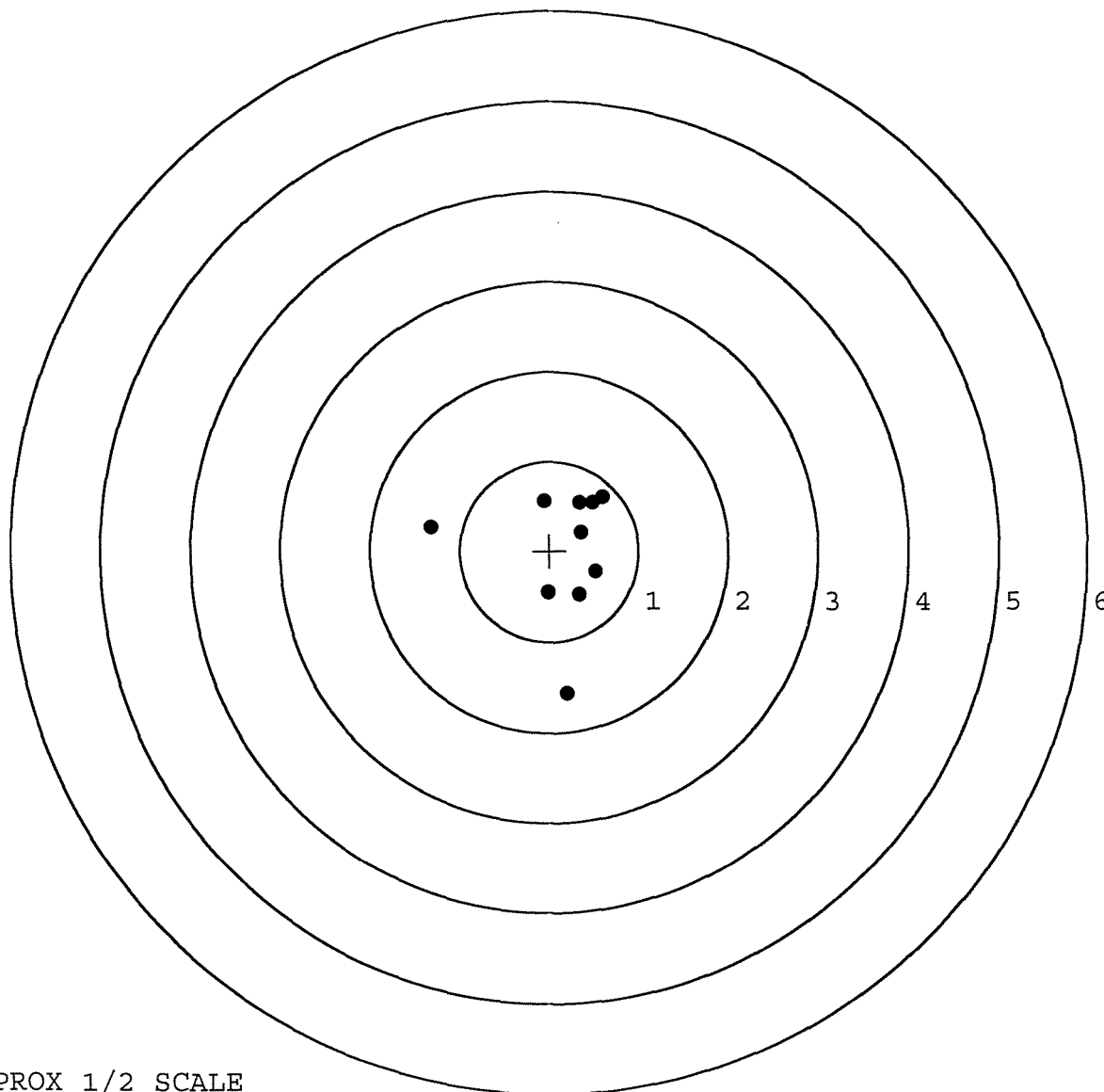


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. __0
TARGET NUMBER: 4
FILE DATE: 07/26/2007
FILE TIME: 14:50

POINT#	X	Y
1:	0.203	-1.567
2:	-0.014	-0.465
3:	0.338	-0.481
4:	0.520	-0.230
5:	0.348	0.211
6:	0.596	0.601
7:	0.483	0.546
8:	0.335	0.546
9:	-0.063	0.558
10:	-1.326	0.261

X CENTROID: 0.142
Y CENTROID: -0.002
POA TO CENTROID: 0.142
HORZ SPREAD: 1.922
VERT SPREAD: 2.168
GROUP SPREAD: 2.383
MIN RADIUS: 0.296
MAX RADIUS: 1.566
MEAN RADIUS: 0.738
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

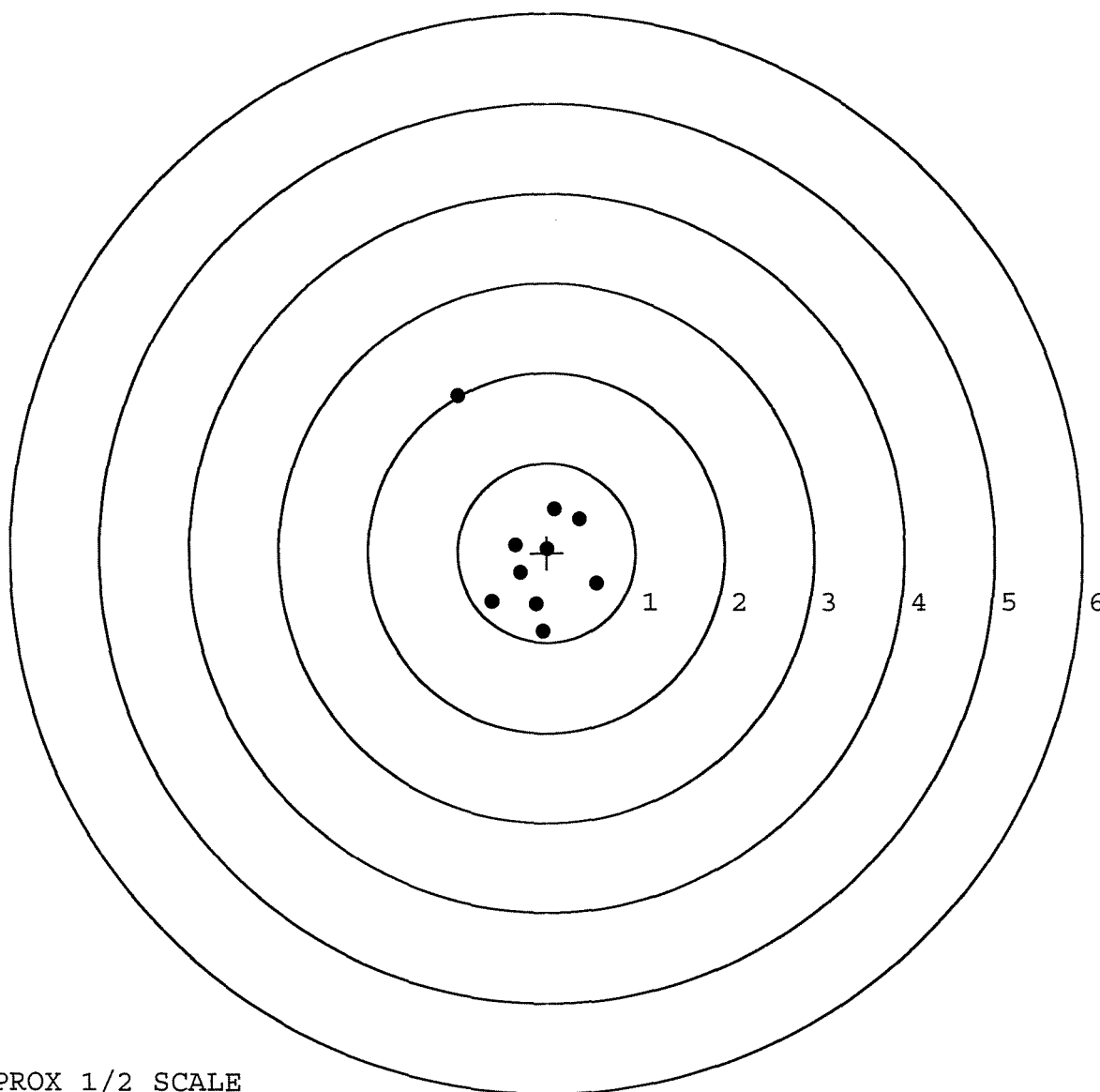


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. 0
 TARGET NUMBER: 5
 FILE DATE: 07/26/2007
 FILE TIME: 14:50

POINT#	X	Y
1:	0.554	-0.346
2:	-0.051	-0.881
3:	-0.125	-0.574
4:	-0.619	-0.549
5:	0.363	0.379
6:	0.082	0.493
7:	-0.006	0.043
8:	-0.359	0.082
9:	-0.304	-0.230
10:	-1.001	1.746

X CENTROID: -0.147
 Y CENTROID: 0.016
 POA TO CENTROID: 0.148
 HORZ SPREAD: 1.555
 VERT SPREAD: 2.627
 GROUP SPREAD: 2.793
 MIN RADIUS: 0.143
 MAX RADIUS: 1.929
 MEAN RADIUS: 0.676
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	129832		
SERIAL NUMBER	G6590181		
LOG-IN DATE	5-30-07		

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-9-07	RTZ
505	RE-BARREL	7-13-07	RTZ
560	ASSEMBLE	7-16-07	TRW
600	PROOF	7-16-07	TRW
605	CHECK HEADSPACE	7-16-07	TRW
610	DIS-ASSEMBLE GUN	7-16-07	RTZ
612	MAGNAFLUX	7-17-07	unms
510	DRILL AND TAP	7-16-07	TRW
615	ROLLMARK CALIBER	7-16-07	CW
618	ROTO-BLAST	7-17-07	LB
620	APPLY COATINGS	7-18-07	CW
625	FINAL ASSEMBLY	7-26-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	7-26-07 TRW
650	TARGET	PASS FAIL	7-26-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	7-26-07 TRW
670	FINAL INSPECTION		7-26-07 DA
	A) HEADSPACE	PASS FAIL	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.49 2.78 2.83 2.83 2.89 7-26-07 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 5.2 5.2 7-26-07 DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.0 2.4 2.4 7-26-07 DA
	I) FIRING PIN INDENT	.020	.023 .023 .023 7-26-07 DA
690	PACK		7-27-07 DA

Repair Inquiry

Repair Number: **RE00118100**

Serial: G6391089 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 9/28/2006 8:41:19 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION DIVISION, DFEL

TRANSPORTATION DIVISION, DFEL

Address 1: 6759 MITCHELL AVENUE

6759 MITCHELL AVENUE

Address 2: BLDG 1836

PO Box:

BLDG 1836

PO Box:

City: FORT BENNING

FORT BENNING

State: GA

Zip Code: 31905

Country: US

State: GA

Zip Code: 31905

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

9/28/2006

8:50 AM

CAPS

NUM

INS

SCRL



G 6590181

Serial Number: **G6391089**

Model: **M24 SWS**



RE00118100

DATE: 20060911

MAINTENANCE REQUEST

DA FORM 5990-E

CUSTOMER DATA

UIC: W2L58L
UTIL CODE: 0

HHC 2/29 INF. REGT.

PHONE: (706) 544-1450

ACTIVITY DATA

SUP WON:
SUP UIC: W6CR07

ITT

PHONE: 544-8635
SHOP SEC:

EQUIPMENT DATA

TYPE MNT REQ: 1 ID: A NSN: 1005012402136 MODEL: M24RIFLE

NOUN: RIFLE 7.62MM SNIP SER NUM: G6391089 / 900142 QTY: 00001

ORG WON: 2L58L1601271 PRIORITY: 03 FAILURE DETECTED: F

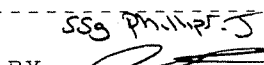
MI/KM: 000000 HOURS: ----- ROUNDS:

IN WARRANTY: N LEVEL OF WORK: F ADMIN NUM: S-43

DEFICIENCY: FIRING PIN NOTCH WORN

PD AUTHENTICATING SIGNATURE: 

SIGNATURE DATA

SUBMITTED BY: 

ORD DATE: 06256

MIL TIME: 1110

ACCEPTED BY: 

STATUS: A

ORD DATE: 06256

MIL TIME: 1110

ACTION DATA

WORK STARTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

INSPECTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

PICKED UP BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

COMPLETION DATA

QTY RPR: _____ QTY CONDEMNED: _____ NRTS: _____

EVAC WON: _____ EVAC UNIT NAME: _____

SSG Phillip J.
575-8183

W6GFA67
MGM

WAR
HYAB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

DATE 10/2/06

TESTER MSH

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS	COMMENTS
PULL #1	2.30	2.62	2.41	
PULL #2	2.39	2.56	2.35	
PULL #3	2.45	2.76	2.27	
PULL #4	2.51	2.41	2.26	
PULL #5	2.34	2.42	2.29	
TOTAL	11.99	12.77	11.58	
AVERAGE	2.40	2.55	2.32	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES	COMMENTS
PULL #1	3.09	3.04	
PULL #2	3.16	3.19	
PULL #3	3.25	3.23	
PULL #4	3.20	3.19	
PULL #5	3.07	3.11	
TOTAL	15.77	15.76	
AVERAGE	3.15	3.15	

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.10	3.97		4.10
PULL #2	4.16	4.17		4.19
PULL #3	4.12	3.96		4.12
PULL #4	4.05	3.88		4.19
PULL #5	4.12	3.84		4.16
TOTAL	20.55	19.82		20.76
AVERAGE	4.11	3.96		4.15

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6590181.___0
FILE DATE AND TIME: 10/14/2006 09:29

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.035
The Average Y Centroid of the Five Target Set:	0.020
The Average Point of Impact of the Five Target Set:	0.040
The Average Mean Radius of the Five Target Set:	0.732
The Distance from POA to Centroid Target #1:	0.161
The Distance from Centroid Target #2 to Centroid Target #1:	0.195
The Distance from Centroid Target #3 to Centroid Target #1:	0.092
The Distance from Centroid Target #4 to Centroid Target #1:	0.128
The Distance from Centroid Target #5 to Centroid Target #1:	0.242

SERIAL NUMBER: G6590181. __0

TARGET NUMBER: 1

FILE DATE: 10/14/2006

FILE TIME: 09:29

POINT#	X	Y
1:	1.066	-0.054
2:	0.375	-0.536
3:	-0.012	-0.722
4:	-0.456	-0.826
5:	-0.934	-0.264
6:	-0.120	-0.072
7:	0.151	-0.157
8:	0.334	1.047
9:	-0.330	0.887
10:	-1.431	1.559

X CENTROID: -0.136

Y CENTROID: 0.086

POA TO CENTROID: 0.161

HORZ SPREAD: 2.497

VERT SPREAD: 2.385

GROUP SPREAD: 2.973

MIN RADIUS: 0.159

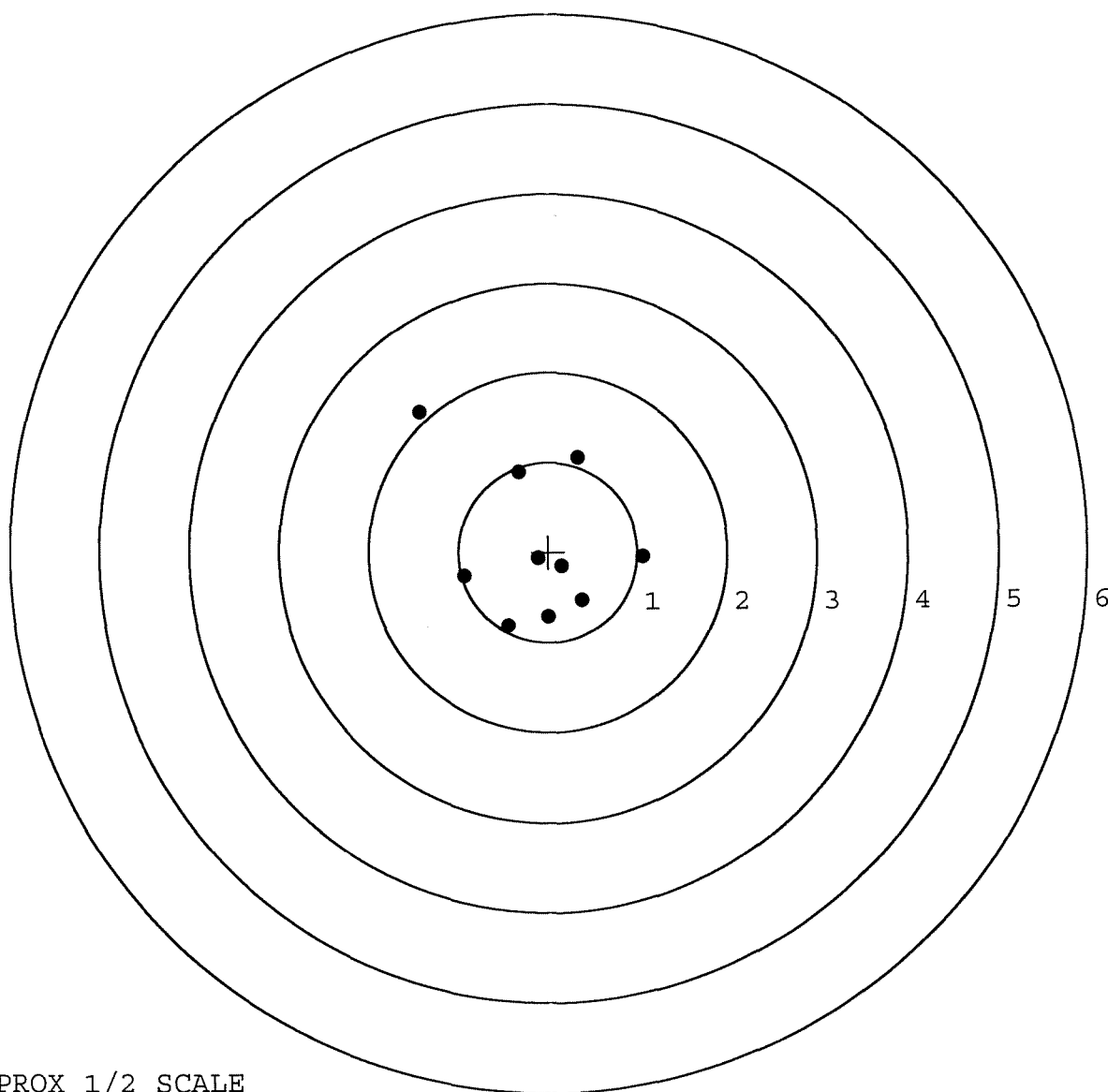
MAX RADIUS: 1.961

MEAN RADIUS: 0.906

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. 0

TARGET NUMBER: 2

FILE DATE: 10/14/2006

FILE TIME: 09:29

POINT#	X	Y
1:	-0.543	-0.737
2:	0.084	-0.537
3:	0.276	-0.398
4:	-0.731	0.239
5:	-0.464	0.189
6:	0.242	0.159
7:	0.520	0.191
8:	0.276	0.589
9:	0.560	0.597
10:	0.348	0.273

X CENTROID: 0.057

Y CENTROID: 0.056

POA TO CENTROID: 0.080

HORZ SPREAD: 1.291

VERT SPREAD: 1.334

GROUP SPREAD: 1.731

MIN RADIUS: 0.212

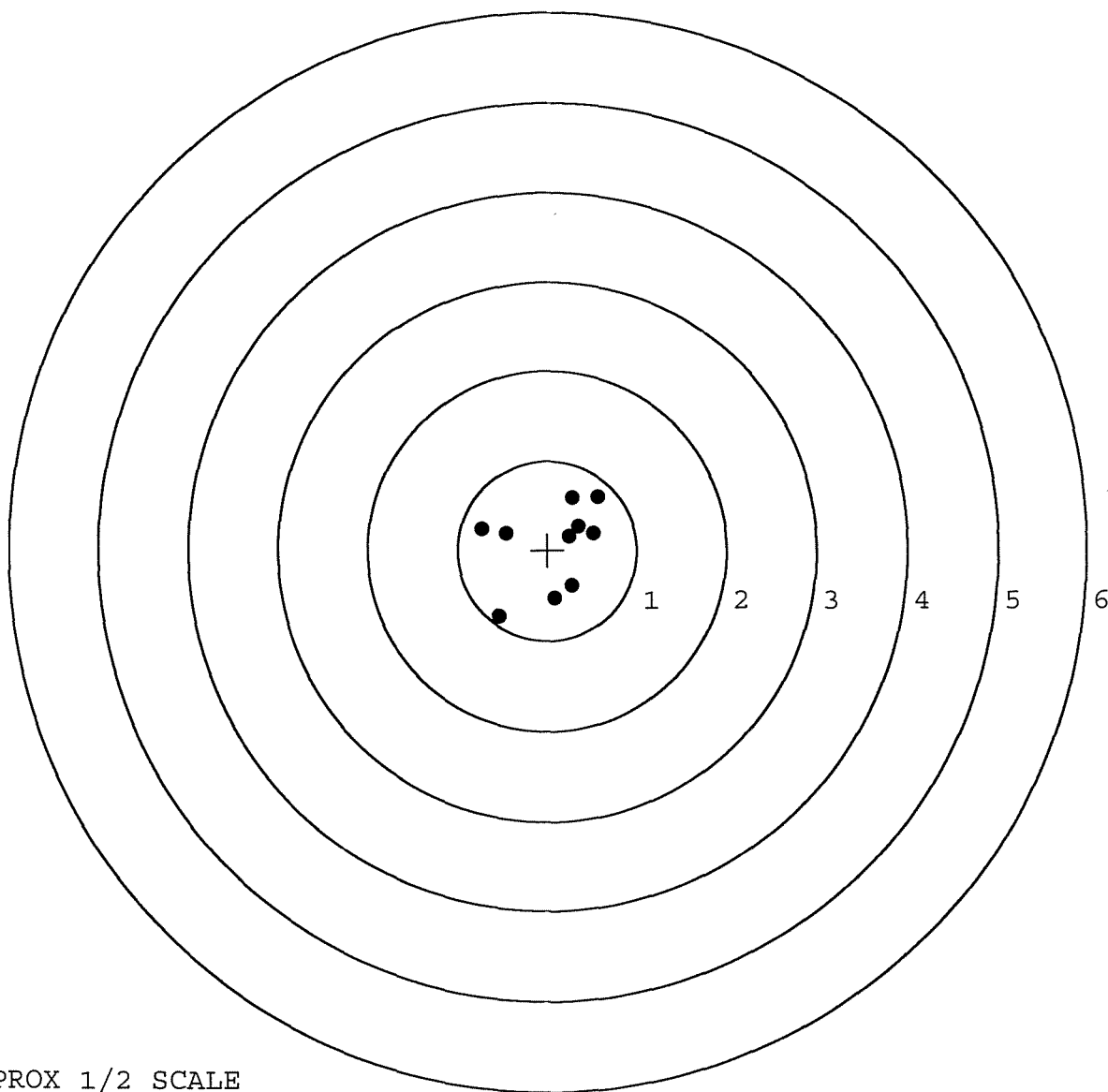
MAX RADIUS: 0.995

MEAN RADIUS: 0.581

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

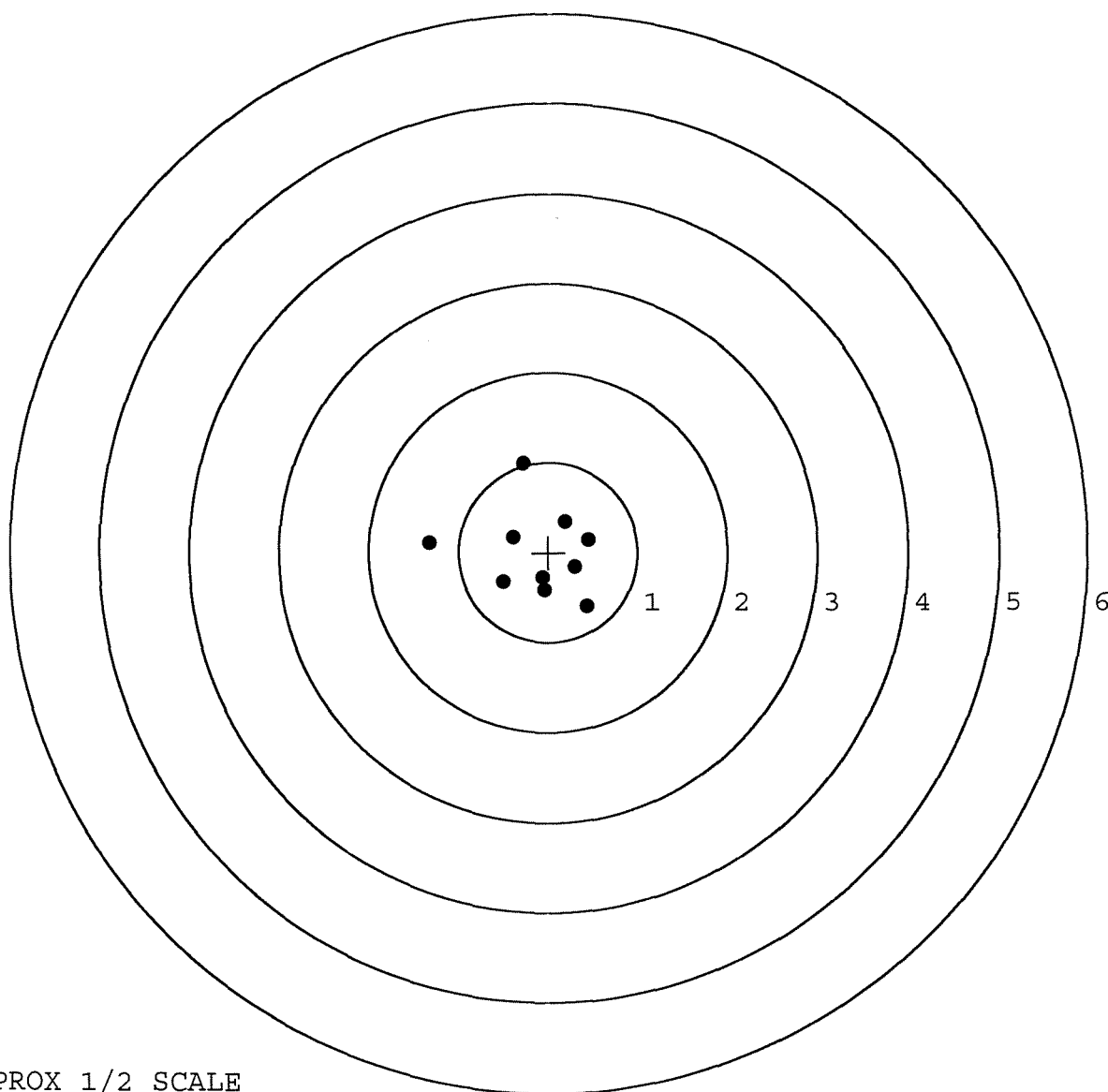


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. 0
TARGET NUMBER: 3
FILE DATE: 10/14/2006
FILE TIME: 09:29

POINT#	X	Y
1:	0.434	-0.604
2:	0.298	-0.162
3:	0.450	0.145
4:	0.181	0.343
5:	-0.073	-0.284
6:	-0.049	-0.426
7:	-0.507	-0.327
8:	-0.395	0.168
9:	-1.321	0.111
10:	-0.293	0.981

X CENTROID: -0.127
Y CENTROID: -0.005
POA TO CENTROID: 0.128
HORZ SPREAD: 1.771
VERT SPREAD: 1.585
GROUP SPREAD: 1.895
MIN RADIUS: 0.284
MAX RADIUS: 1.199
MEAN RADIUS: 0.606
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

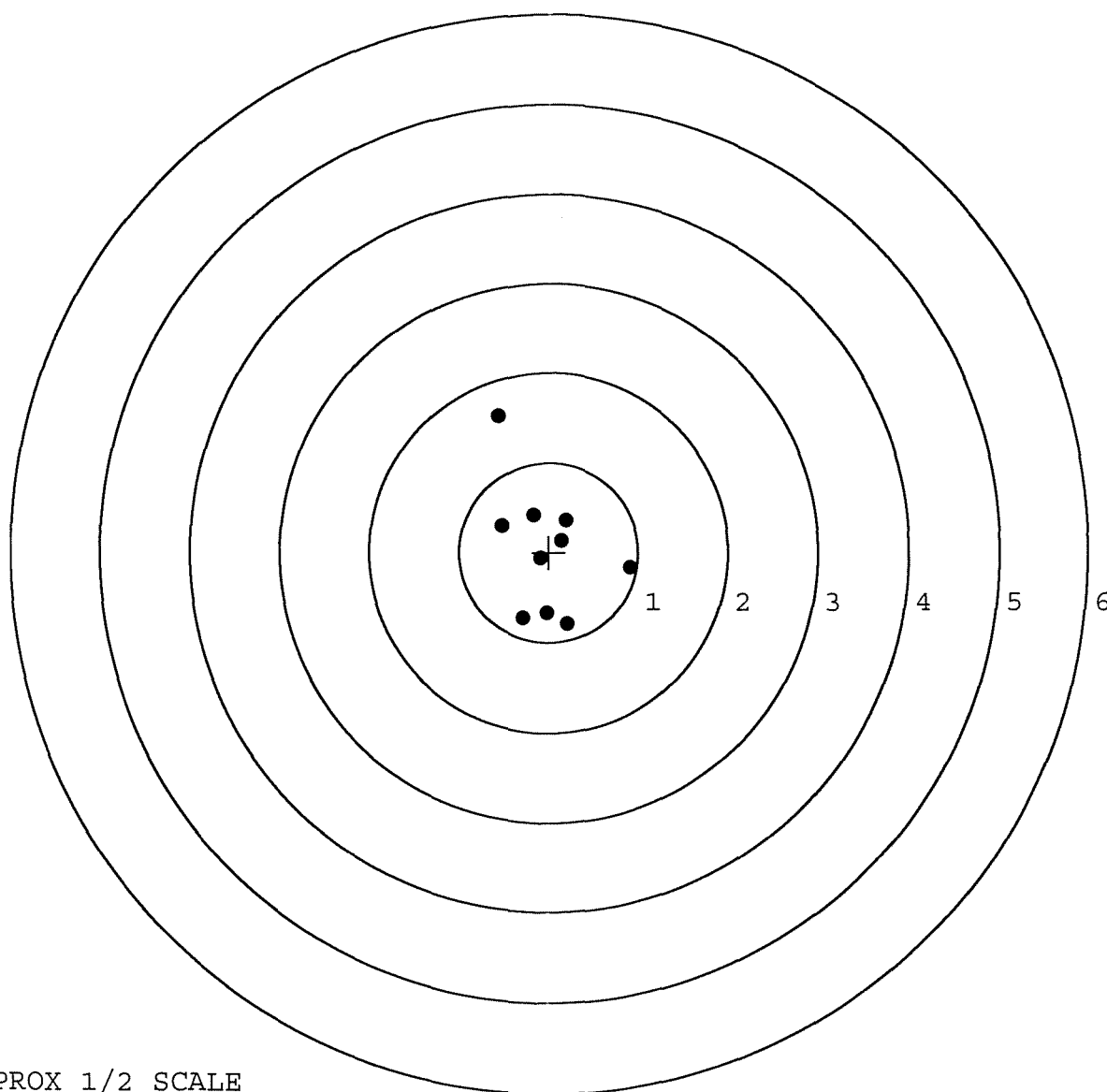


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. __0
TARGET NUMBER: 4
FILE DATE: 10/14/2006
FILE TIME: 09:29

POINT#	X	Y
1:	0.912	-0.173
2:	-0.572	1.515
3:	0.207	-0.805
4:	-0.023	-0.685
5:	-0.291	-0.734
6:	-0.529	0.295
7:	-0.178	0.419
8:	0.192	0.357
9:	0.145	0.128
10:	-0.096	-0.067

X CENTROID: -0.023
Y CENTROID: 0.025
POA TO CENTROID: 0.034
HORZ SPREAD: 1.484
VERT SPREAD: 2.320
GROUP SPREAD: 2.447
MIN RADIUS: 0.117
MAX RADIUS: 1.588
MEAN RADIUS: 0.663
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

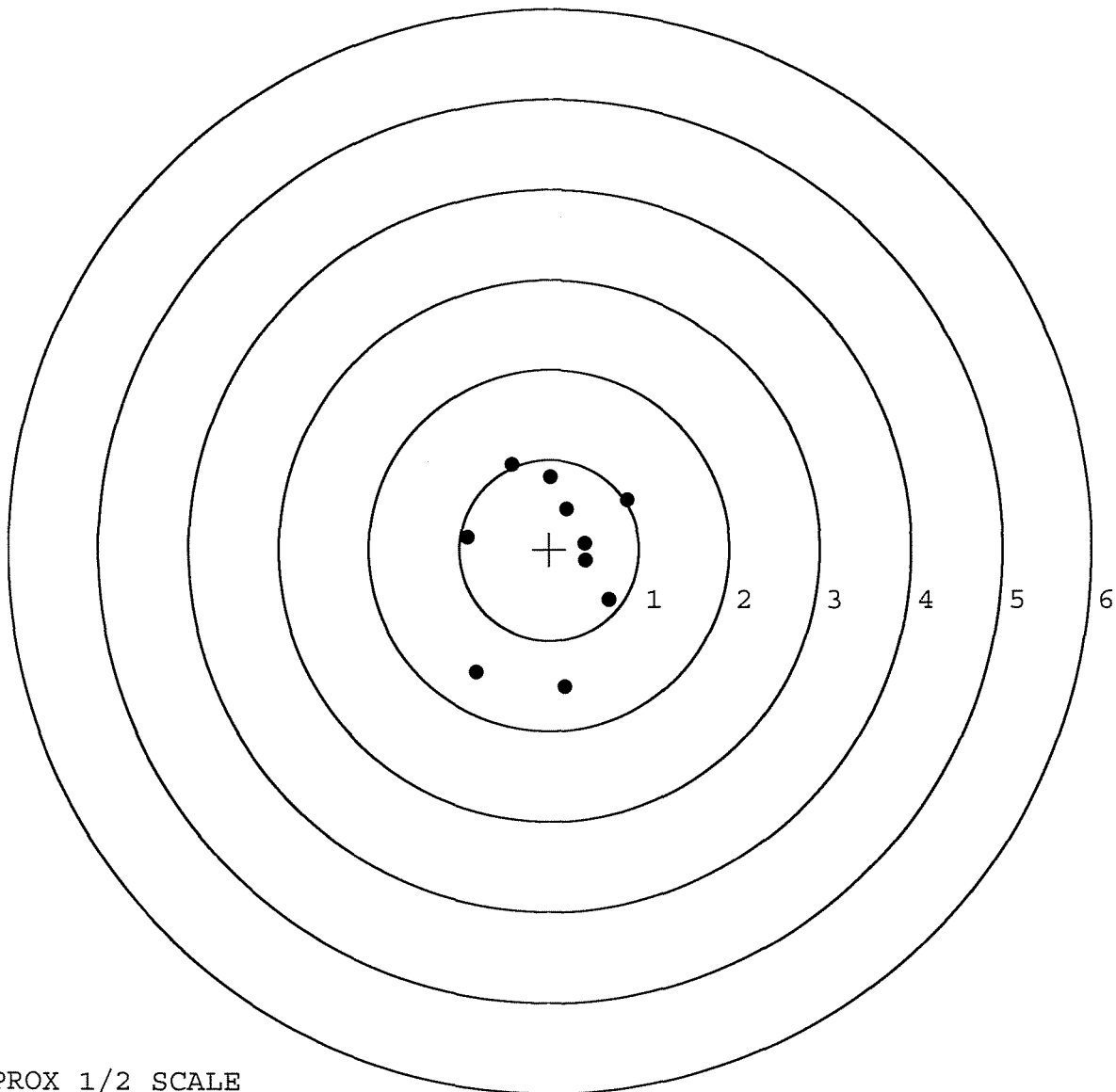


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. __0
TARGET NUMBER: 5
FILE DATE: 10/14/2006
FILE TIME: 09:29

POINT#	X	Y
1:	0.175	-1.519
2:	-0.809	-1.355
3:	-0.913	0.134
4:	0.666	-0.559
5:	0.861	0.551
6:	0.189	0.447
7:	0.012	0.804
8:	-0.424	0.946
9:	0.399	0.068
10:	0.405	-0.126

X CENTROID: 0.056
Y CENTROID: -0.061
POA TO CENTROID: 0.083
HORZ SPREAD: 1.774
VERT SPREAD: 2.465
GROUP SPREAD: 2.534
MIN RADIUS: 0.355
MAX RADIUS: 1.557
MEAN RADIUS: 0.903
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	118100			
SERIAL NUMBER	06391089		G6590181	
LOG-IN DATE	9-28-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		10-03-06	RTZ
505	RE-BARREL		10-4-06	RTZ
420	ASSEMBLE		10-4-06	RTZ
440	PROOF	MAGNA-FLUX INSPECTED	10-4-06	TRW
460	CHECK HEADSPACE		10-4-06	TRW
470	DIS-ASSEMBLE GUN	OCT 06 2006	10-4-06	RTZ
480	MAGNAFLUX	OPERATOR CPD	10-6-06	APD
510	DRILL AND TAP		10-5-06	SD
500	ROLLMARK CALIBER		10-6-06	RP
520	GOFF BLAST BBL / REC		10-6-06	UB
530 & 540	APPLY COATINGS		10/9/06	TRW
560	FINAL ASSEMBLY		10-14-06	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	10-14-06	TRW
650	TARGET	(PASS) FAIL	10-14-06	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	10-14-06	DK
670	FINAL INSPECTION		10-18-06	RTZ
	A) HEADSPACE	PASS FAIL	10-18-06	RTZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.37 2.45 2.53 2.56 2.48	10-14-06 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6.2 5.5 6.2	10-14-06 DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.5 2.5 2.5	10-14-06 DA
	I) FIRING PIN INDENT	.020	.025 .025 .024	10-14-06 DA
690	PACK		10-17-06	DA

F006 REV 5/2006

FINAL INSPECTION CHECKLIST

BARREL ASSEMBLY

BARREL

RECEIVER

FRONT SIGHT BASE

REAR SIGHT BASE

SCREWS

FINISH

SCOPE ASSEMBLY

SCOPE

SCOPE RINGS

MOUNTING SCREWS

MOUNTING BASE

SCREWS

FINISH

CLARITY

STOCK ASSEMBLY

STOCK

SLING SWIVEL STUDS

BUTT PATE

LOCK NUTS

BARREL CLEARANCE

COLOR / FINISH

SYSTEM CASE

SCOPE CASE

IRON SIGHTS

DEPLOYMENT KIT

TRIGGER ASSEMBLY

SAFETY OPERATION

RE-SET TO FACTORY
SPECS

COMMENTS: _____

F006 REV 5/2006

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: **RE00083420** Serial: E6413487 Model M24 SWS Center Fire Repairman: _____
 Verify Repair _____ Caliber: 7 62 NATO Status: Closed 8/3/2004 12:42:11 PM

Address Information

Customer: _____ Received From: _____ Return To: _____ Received From: _____
 Name: TRANSPORTATION DIV DFEL TRANSPORTATION DIV DFEL
 Address 1: BLDG 1836 BLDG 1836
 Address 2: 6759 MITCHELL AVE PO Box: 6759 MITCHELL AVE PO Box: _____
 City: FORT BENNING FORT BENNING
 State: GA Zip Code: 31905 Country: US State: GA Zip Code: 31905 Country: US

FFL: _____

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing												
<table border="1"> <thead> <tr> <th>Date</th> <th>Code</th> <th>User ID</th> <th>Desc1</th> </tr> </thead> <tbody> <tr> <td>8/3/2004 12:35:3</td> <td>New</td> <td>urtzdi</td> <td>Repair Added</td> </tr> <tr> <td>8/3/2004 12:42:1</td> <td>Closed</td> <td>urtzdi</td> <td>Closed at Expedite</td> </tr> </tbody> </table>			Date	Code	User ID	Desc1	8/3/2004 12:35:3	New	urtzdi	Repair Added	8/3/2004 12:42:1	Closed	urtzdi	Closed at Expedite	☐ Shipping Hold ☐ InterFace Hold ☐ Estimate Sent ☐ Parts Received ☐ Passed Inspection ☐ Return As Received ☐ Has been Approved ☐ Internal Repair	Current Status Closed 8/3/2004 12:42:11 PM urtzdi Sniper Systems Repair Location ILN Current Location ILN Transfer Number
Date	Code	User ID	Desc1													
8/3/2004 12:35:3	New	urtzdi	Repair Added													
8/3/2004 12:42:1	Closed	urtzdi	Closed at Expedite													

Repair Search Refresh Close

eglandit 8/4/2004 8:29 AM CAPS NUM INS SCRL

start Inbo... DMS... 2 S... SAP... Displ... Micro... Arms... 8:29 AM

G 6391089 (New)

Serial Number: **E6413487**

Model: M24 SWS



RE00083420

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6391089.___0

FILE DATE AND TIME: 08/20/2004 06:26

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.001
The Average Y Centroid of the Five Target Set:	0.065
The Average Point of Impact of the Five Target Set:	0.065
The Average Mean Radius of the Five Target Set:	0.667
The Distance from POA to Centroid Target #1:	0.206
The Distance from Centroid Target #2 to Centroid Target #1:	0.066
The Distance from Centroid Target #3 to Centroid Target #1:	0.123
The Distance from Centroid Target #4 to Centroid Target #1:	0.291
The Distance from Centroid Target #5 to Centroid Target #1:	0.332

SERIAL NUMBER: G6391089. __0

TARGET NUMBER: 1

FILE DATE: 08/20/2004

FILE TIME: 06:26

POINT#	X	Y
1:	-0.218	0.932
2:	0.174	0.815
3:	0.056	0.571
4:	0.657	0.076
5:	0.178	0.200
6:	-0.026	-0.403
7:	-0.329	-0.465
8:	-0.516	-0.004
9:	-0.257	0.173
10:	0.387	0.160

X CENTROID: 0.011

Y CENTROID: 0.206

POA TO CENTROID: 0.206

HORZ SPREAD: 1.173

VERT SPREAD: 1.397

GROUP SPREAD: 1.401

MIN RADIUS: 0.167

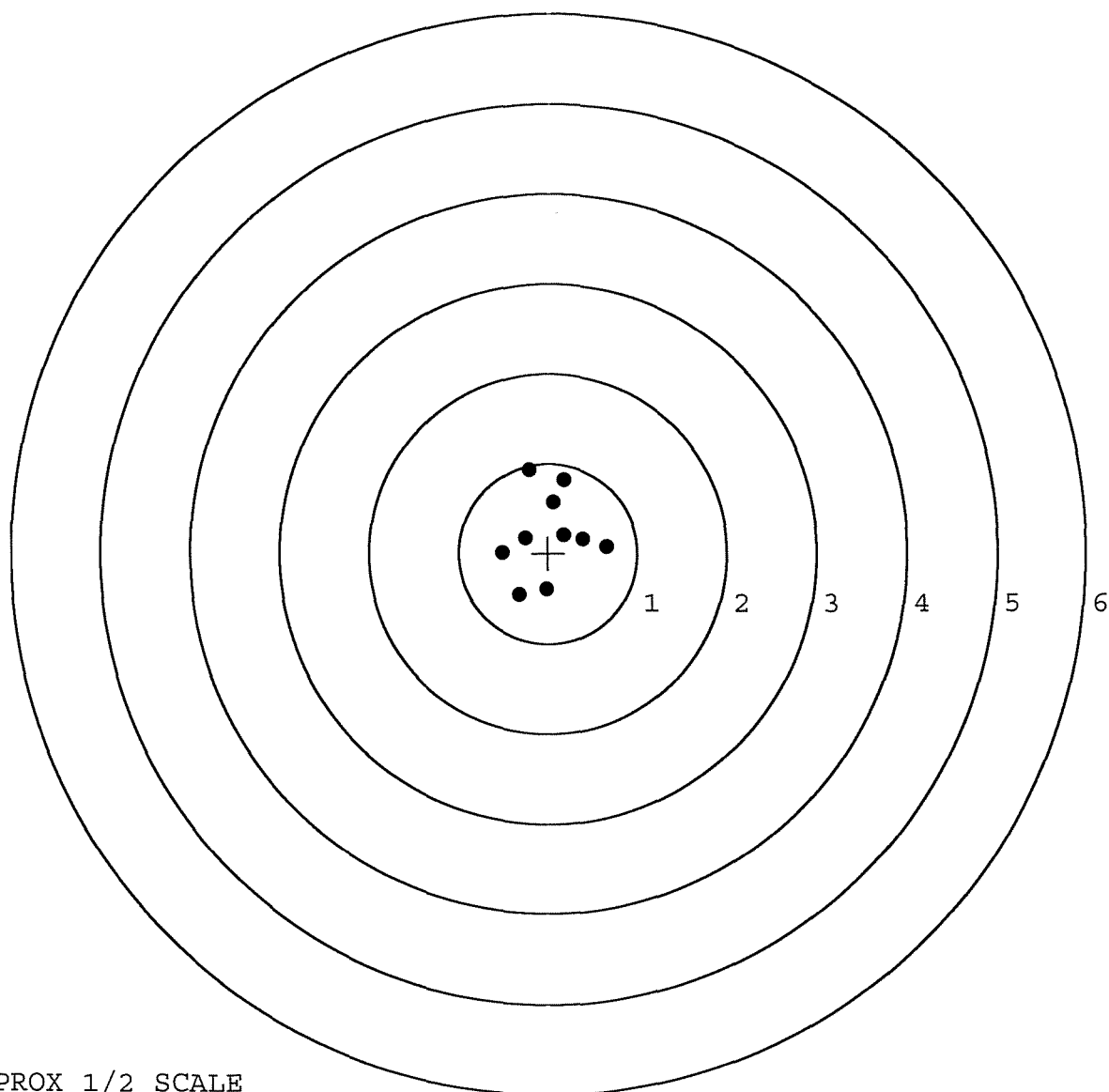
MAX RADIUS: 0.762

MEAN RADIUS: 0.516

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. 0

TARGET NUMBER: 2

FILE DATE: 08/20/2004

FILE TIME: 06:26

POINT#	X	Y
1:	-0.305	1.251
2:	-0.867	0.954
3:	-0.565	-0.556
4:	-0.184	0.426
5:	0.286	0.361
6:	-0.033	0.040
7:	0.232	-0.354
8:	0.738	-0.549
9:	0.128	0.436
10:	0.040	0.224

X CENTROID: -0.053

Y CENTROID: 0.223

POA TO CENTROID: 0.230

HORZ SPREAD: 1.605

VERT SPREAD: 1.807

GROUP SPREAD: 2.199

MIN RADIUS: 0.093

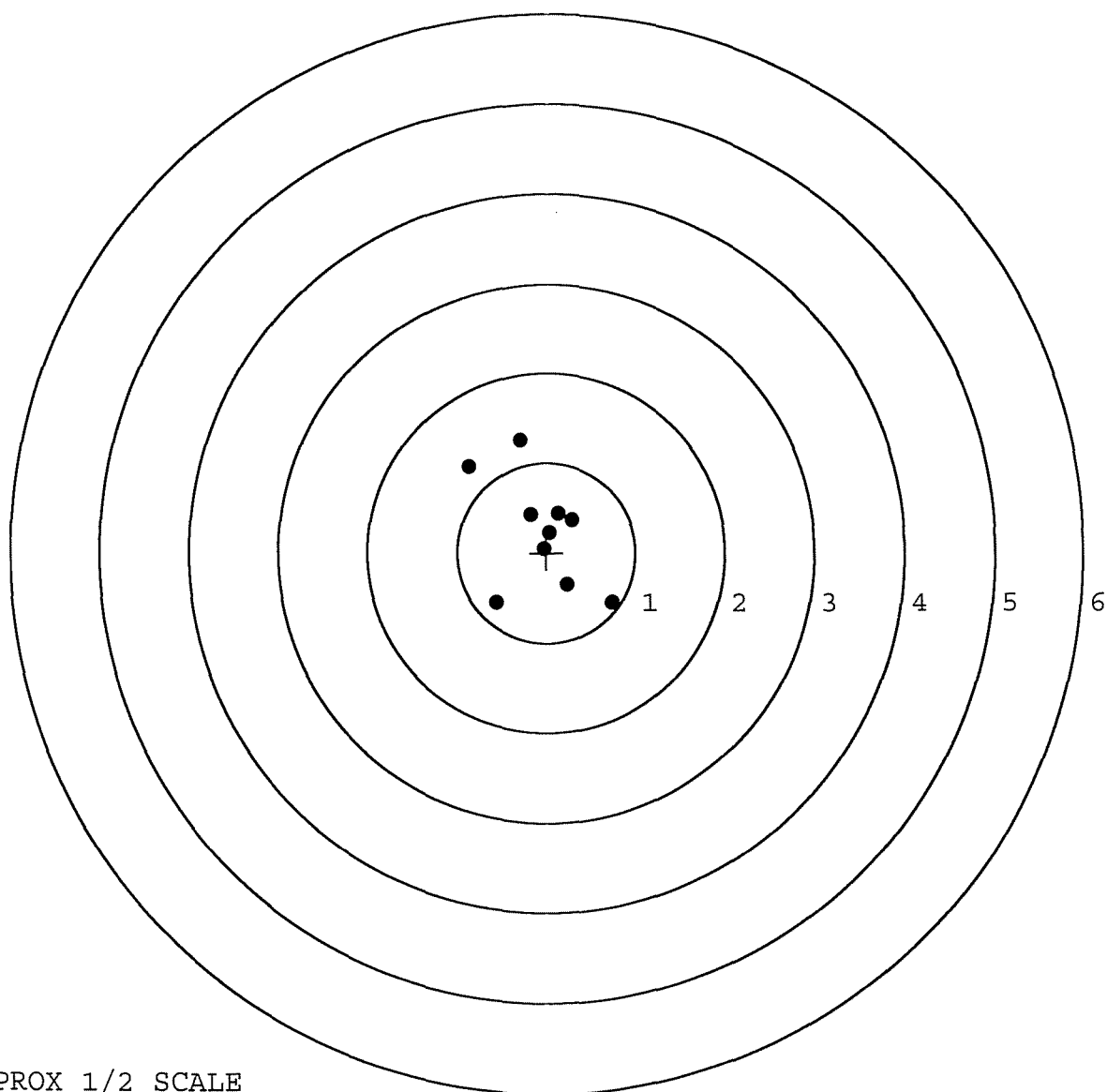
MAX RADIUS: 1.105

MEAN RADIUS: 0.600

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. __0

TARGET NUMBER: 3

FILE DATE: 08/20/2004

FILE TIME: 06:26

POINT#	X	Y
1:	0.753	0.769
2:	-0.220	1.250
3:	-0.296	0.911
4:	0.596	-0.114
5:	0.291	-0.071
6:	-0.023	-0.137
7:	-0.101	0.152
8:	-0.388	-0.002
9:	-0.455	-1.057
10:	-0.123	-0.877

X CENTROID: 0.003

Y CENTROID: 0.082

POA TO CENTROID: 0.082

HORZ SPREAD: 1.208

VERT SPREAD: 2.307

GROUP SPREAD: 2.319

MIN RADIUS: 0.125

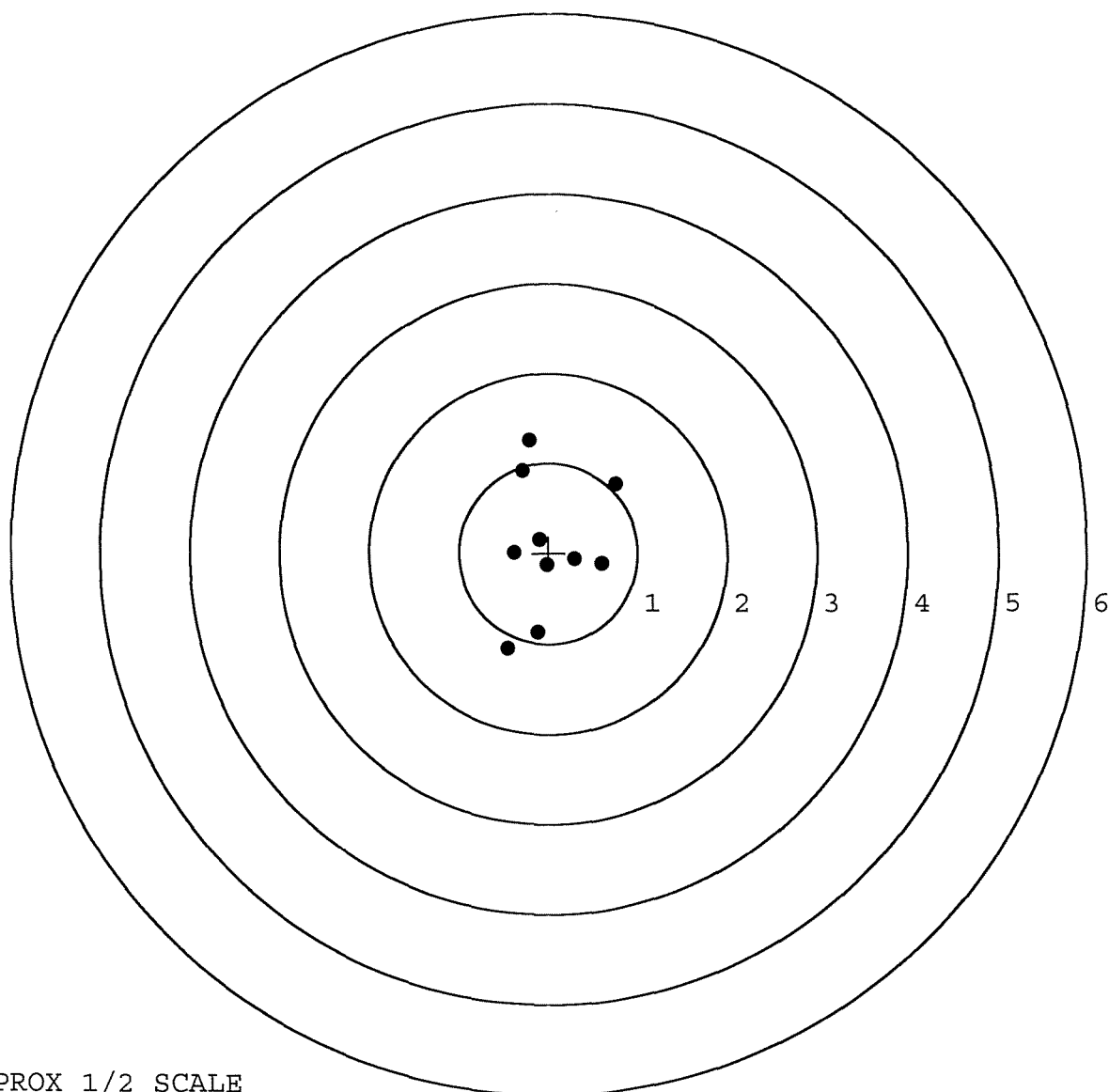
MAX RADIUS: 1.228

MEAN RADIUS: 0.698

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. __0

TARGET NUMBER: 4

FILE DATE: 08/20/2004

FILE TIME: 06:26

POINT#	X	Y
1:	0.755	-0.334
2:	0.682	-0.777
3:	0.369	-0.626
4:	0.051	-0.970
5:	0.188	-0.280
6:	-0.037	0.037
7:	-0.510	0.098
8:	-0.195	0.593
9:	0.350	0.722
10:	-0.599	0.842

X CENTROID: 0.105

Y CENTROID: -0.069

POA TO CENTROID: 0.126

HORZ SPREAD: 1.354

VERT SPREAD: 1.812

GROUP SPREAD: 2.064

MIN RADIUS: 0.178

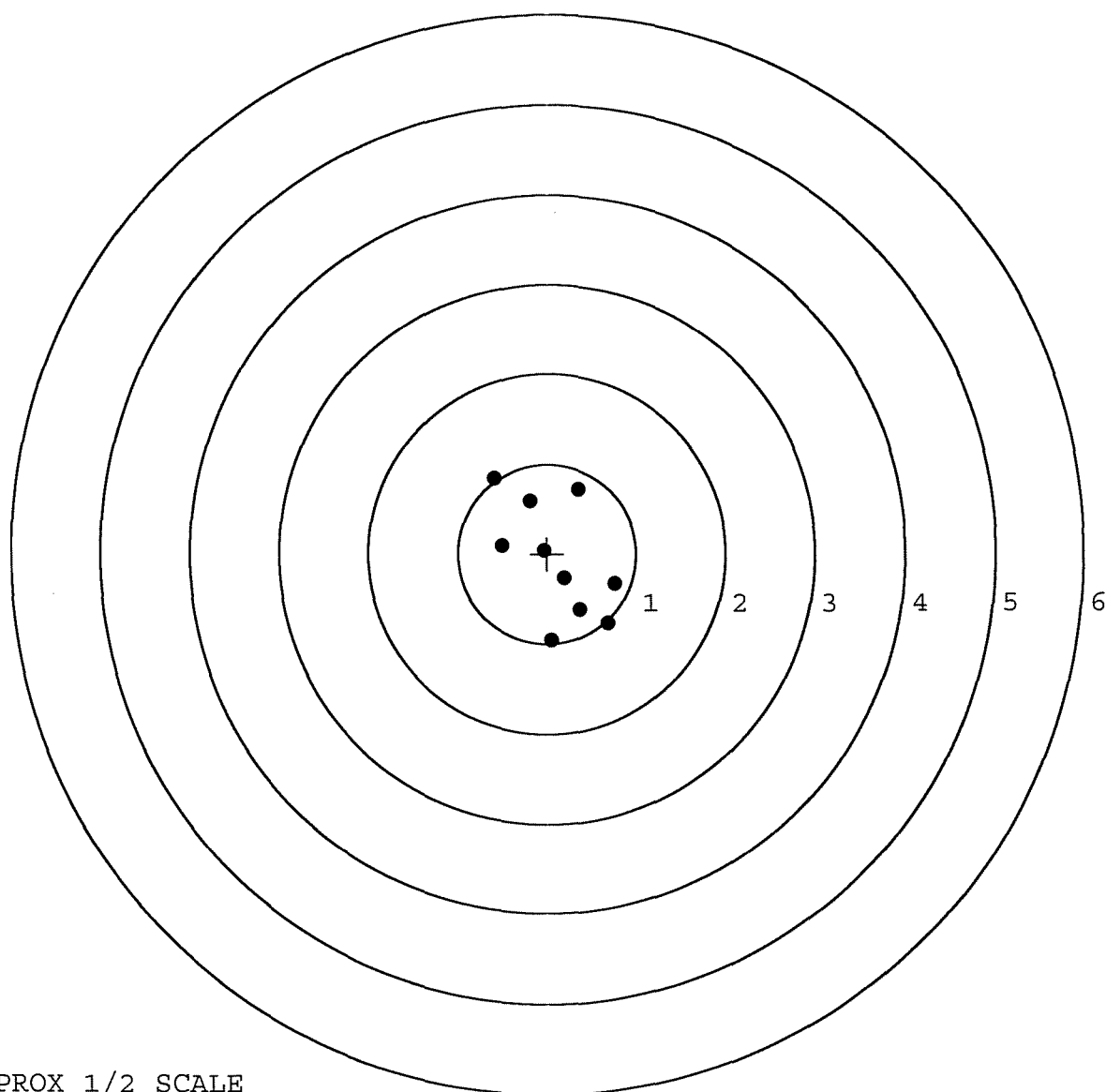
MAX RADIUS: 1.152

MEAN RADIUS: 0.688

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. 0

TARGET NUMBER: 5

FILE DATE: 08/20/2004

FILE TIME: 06:26

POINT#	X	Y
1:	0.859	-0.848
2:	0.221	-0.996
3:	0.788	-0.013
4:	-0.759	1.419
5:	-0.389	1.013
6:	-0.138	-0.032
7:	-0.551	-0.056
8:	-0.520	-0.419
9:	-0.487	-0.204
10:	0.257	-1.023

X CENTROID: -0.072

Y CENTROID: -0.116

POA TO CENTROID: 0.136

HORZ SPREAD: 1.618

VERT SPREAD: 2.442

GROUP SPREAD: 2.785

MIN RADIUS: 0.107

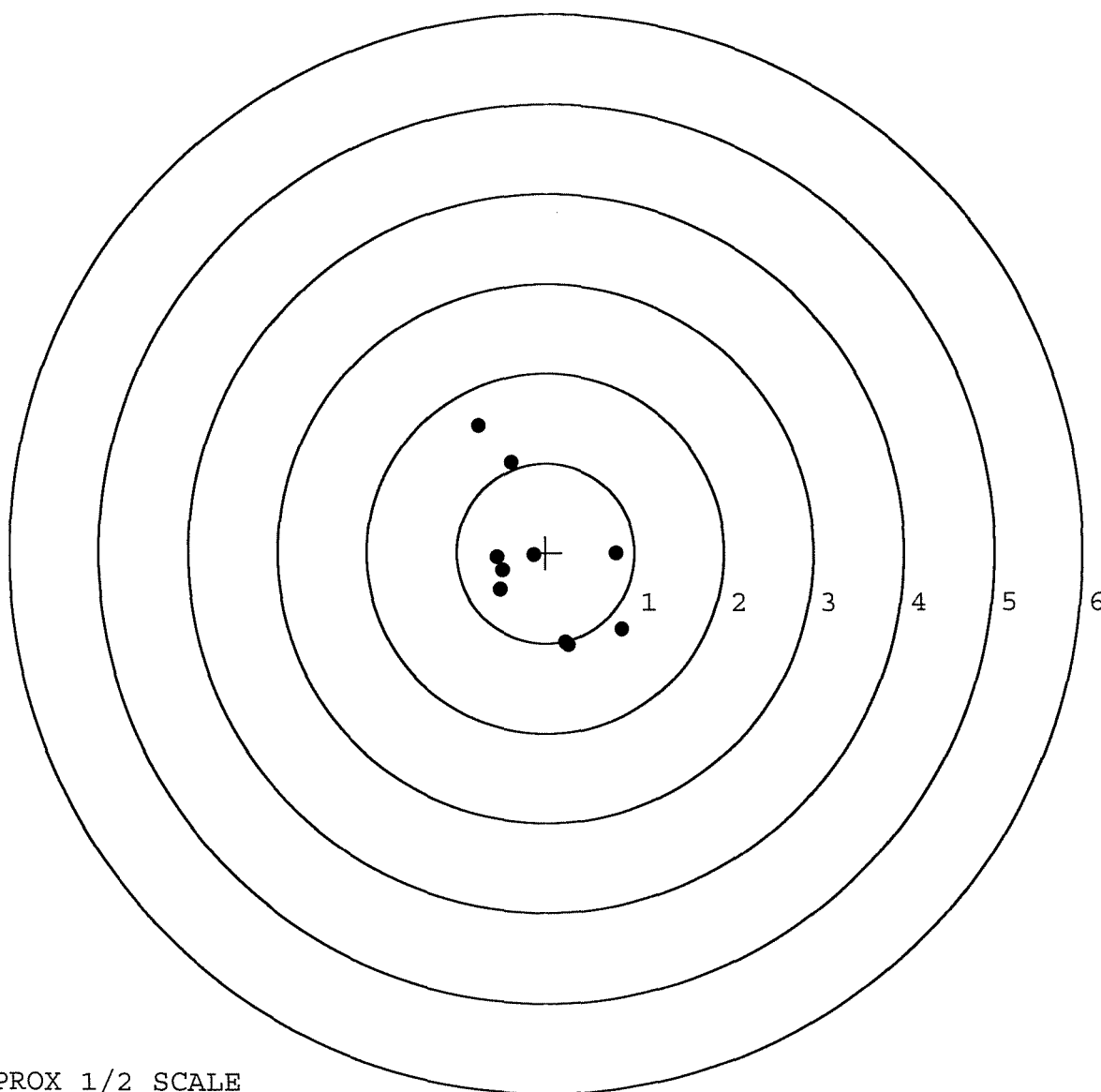
MAX RADIUS: 1.682

MEAN RADIUS: 0.835

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

R & E NUMBER	83420		
SERIAL NUMBER	66391089 (Haw)		
LOG-IN DATE	8-3-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-9-04	RTL
560 A	RE-BARREL	8-9-04	RTL
B	DRILL AND TAP	8-9-04	TRW
575	ASSEMBLE MAGNA-FLUX	8-10-04	RTL
600	PROOF INSPECTED	8-10-04	RTL
605	CHECK HEADSPACE	8-10-04	RTL
610	DIS-ASSEMBLE GUN	8-10-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	8/11/04	AB
618	ROTO-BLAST	8/12/04	DG
620	APPLY COATINGS	8/12	HP
625 A	FINAL ASSEMBLY	8-18-04	RLW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-20-04	AC
655	FINAL INSPECT	8-23-04	RTL
660	PACK	9-24-04	DA
		SHIP DATE	
	QAR INSPECTION DATE		

Repair Inquiry

Repair Number: **RE00060364**

Serial: C6225169 Model 700 Center Fire Caliber:
7.62 NATO M-24 (SWS)

Repairman:

Verify Repair

Status:

Closed 1/23/2003 3:15:22 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: **USAIC**

USAIC

Address 1: **DFEL SUPPLY DIV BLDG 490**

DFEL SUPPLY DIV BLDG 490

Address 2: PO Box:

PO Box:

City: **FORT BENNING**

FORT BENNING

State: **GA** Zip Code: **31905**

Country: **US**

State: **GA** Zip Code: **31905**

Country: **US**

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Poor

Condition

Notes:

REC'D IN SAME HARD CASE
W/ SER# B6896599

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
X	SCOPE SER# 87-1141	1
XX	FRT & REAR SGT BASES	1

Repair Search

Refresh

Close

nagletj

1/23/2003

4:12 PM

CAPS

NUM

INS

SCPL

start

3 Microsoft O...

Scorecard-Daly

Arms Services...

Part Search by

2 Internet Ex...

4:12 PM

E6413487 (New)
Serial Number: **C6225169**
Model: **700**

RE00060364

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: E6413487.__0
FILE DATE AND TIME: 02/15/2003 13:14

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.055
The Average Y Centroid of the Five Target Set:	-0.088
The Average Point of Impact of the Five Target Set:	0.104
The Average Mean Radius of the Five Target Set:	0.554
The Distance from POA to Centroid Target #1:	0.161
The Distance from Centroid Target #2 to Centroid Target #1:	0.118
The Distance from Centroid Target #3 to Centroid Target #1:	0.142
The Distance from Centroid Target #4 to Centroid Target #1:	0.105
The Distance from Centroid Target #5 to Centroid Target #1:	0.155

SERIAL NUMBER: E6413487. 0

TARGET NUMBER: 1

FILE DATE: 02/15/2003

FILE TIME: 13:14

POINT#	X	Y
1:	0.412	-0.813
2:	0.448	-0.436
3:	-0.060	-0.348
4:	-0.133	-0.539
5:	-0.521	-0.513
6:	-0.425	-0.109
7:	0.302	0.339
8:	-0.492	0.597
9:	-0.837	1.506
10:	-0.102	-0.456

X CENTROID: -0.141

Y CENTROID: -0.077

POA TO CENTROID: 0.161

HORZ SPREAD: 1.285

VERT SPREAD: 2.319

GROUP SPREAD: 2.634

MIN RADIUS: 0.283

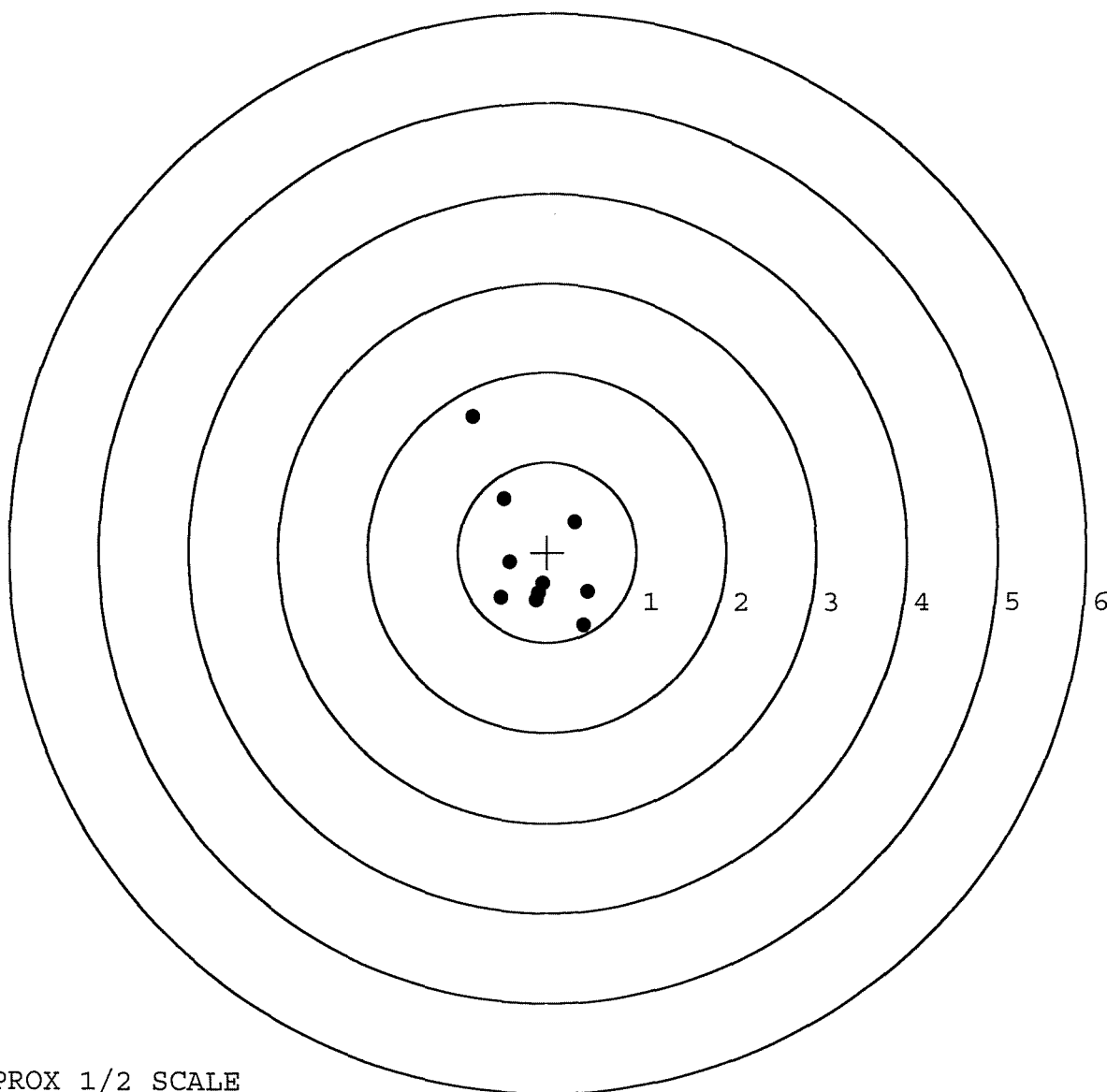
MAX RADIUS: 1.730

MEAN RADIUS: 0.670

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

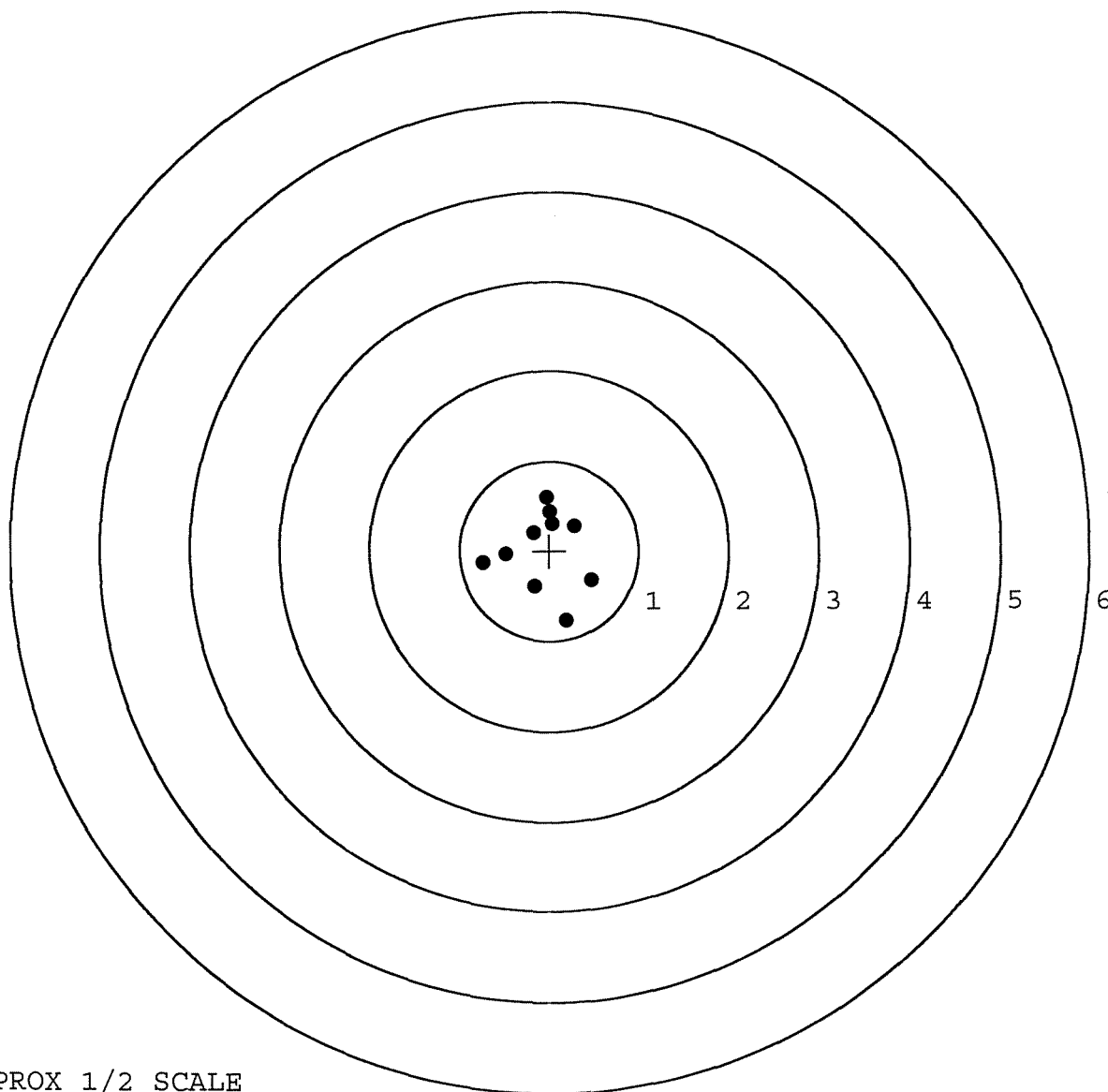


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413487. 0
TARGET NUMBER: 2
FILE DATE: 02/15/2003
FILE TIME: 13:14

POINT#	X	Y
1:	0.467	-0.331
2:	0.193	-0.778
3:	-0.169	-0.395
4:	-0.746	-0.138
5:	-0.492	-0.041
6:	0.275	0.274
7:	-0.034	0.597
8:	-0.178	0.206
9:	0.028	0.303
10:	-0.003	0.438

X CENTROID: -0.066
Y CENTROID: 0.013
POA TO CENTROID: 0.067
HORZ SPREAD: 1.213
VERT SPREAD: 1.375
GROUP SPREAD: 1.394
MIN RADIUS: 0.223
MAX RADIUS: 0.833
MEAN RADIUS: 0.498
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

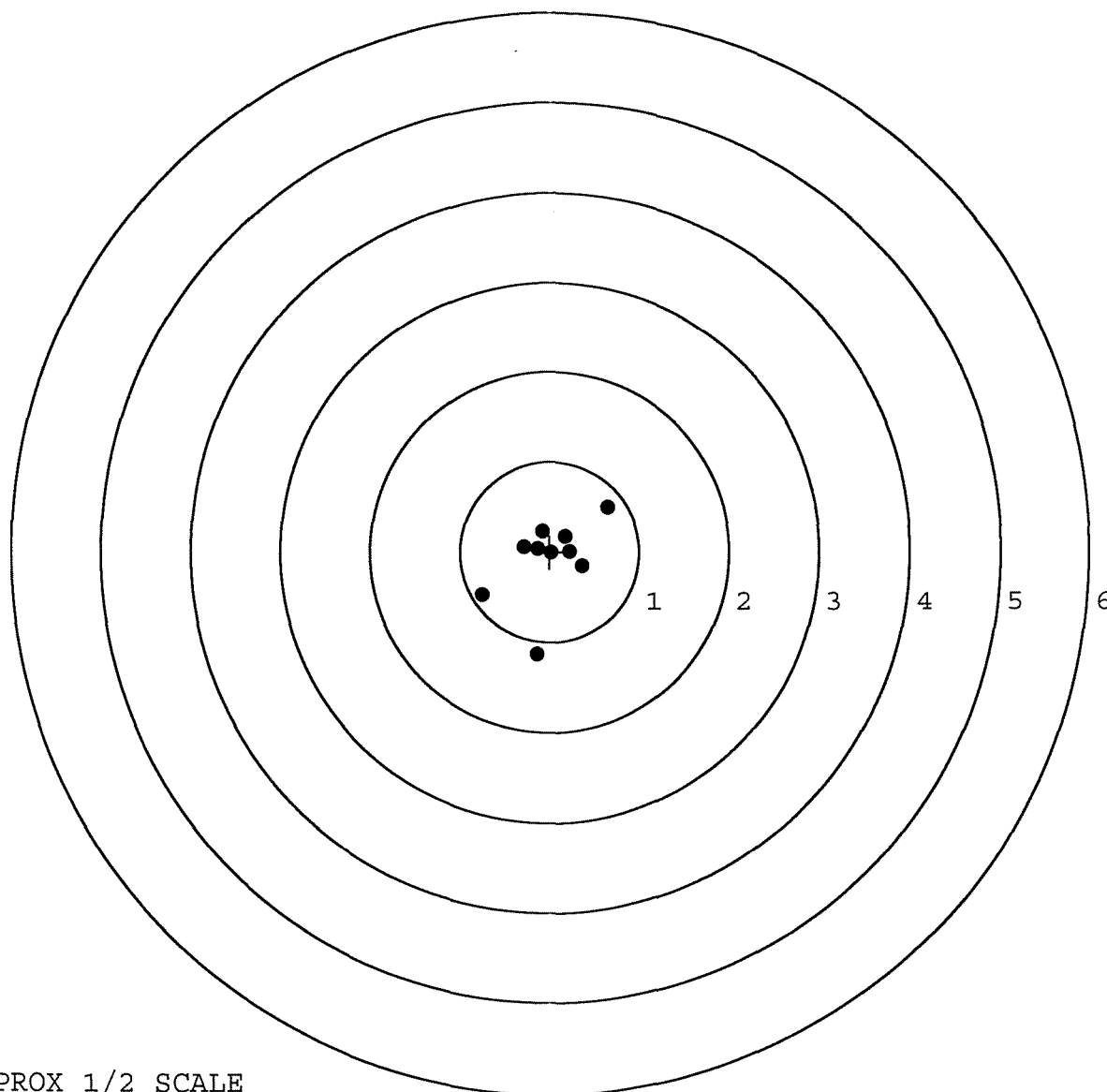


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413487. 0
TARGET NUMBER: 3
FILE DATE: 02/15/2003
FILE TIME: 13:14

POINT#	X	Y
1:	-0.143	-1.144
2:	-0.757	-0.479
3:	0.642	0.497
4:	0.366	-0.158
5:	0.178	0.178
6:	0.222	0.003
7:	0.014	-0.012
8:	-0.083	0.232
9:	-0.138	0.035
10:	-0.288	0.055

X CENTROID: 0.001
Y CENTROID: -0.079
POA TO CENTROID: 0.079
HORZ SPREAD: 1.399
VERT SPREAD: 1.641
GROUP SPREAD: 1.819
MIN RADIUS: 0.068
MAX RADIUS: 1.074
MEAN RADIUS: 0.460
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

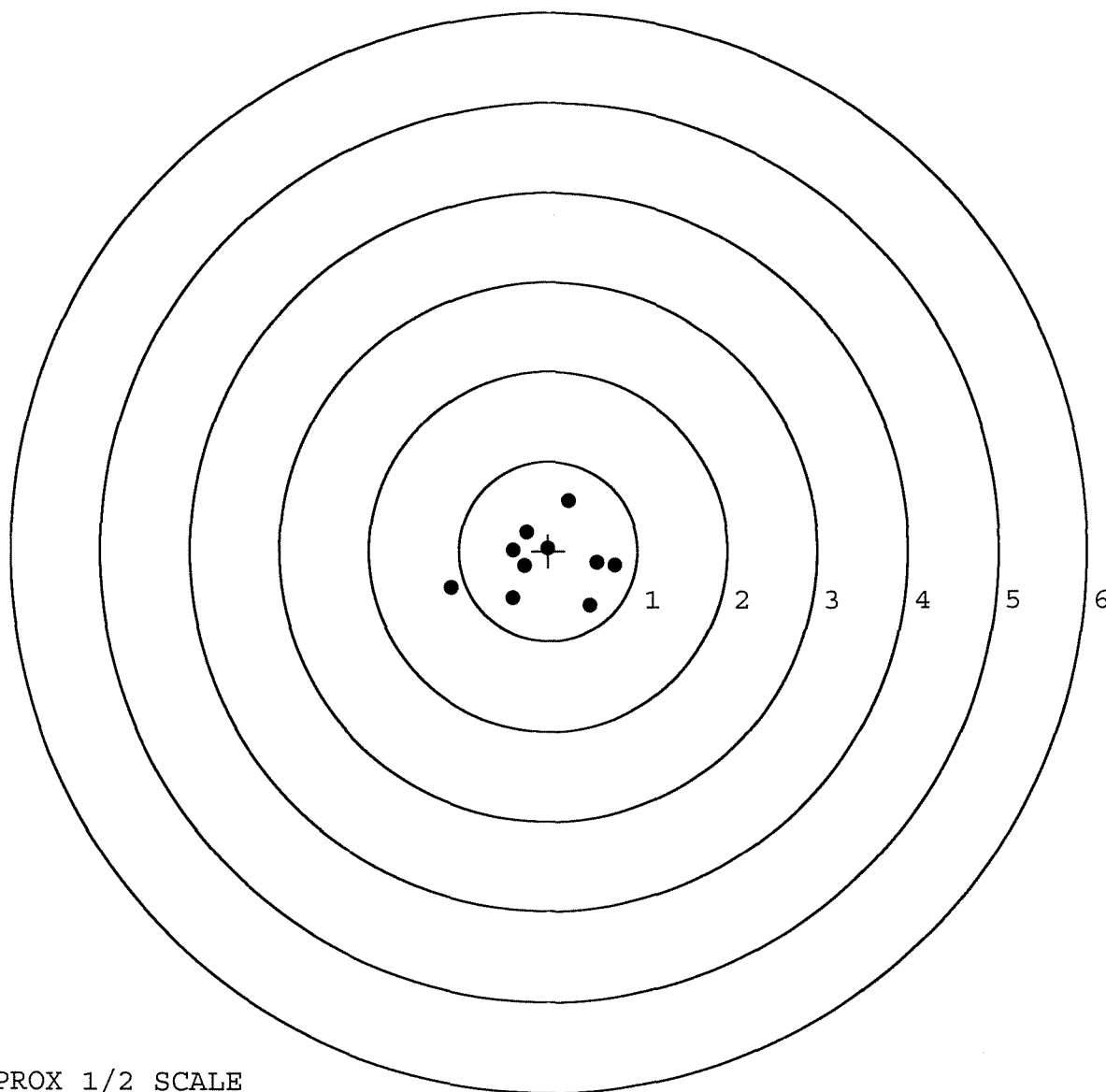


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413487. 0
TARGET NUMBER: 4
FILE DATE: 02/15/2003
FILE TIME: 13:14

POINT#	X	Y
1:	0.743	-0.162
2:	0.542	-0.128
3:	0.466	-0.608
4:	-0.405	-0.530
5:	-1.093	-0.417
6:	0.220	0.566
7:	-0.244	0.210
8:	-0.009	0.028
9:	-0.399	0.013
10:	-0.270	-0.171

X CENTROID: -0.045
Y CENTROID: -0.120
POA TO CENTROID: 0.128
HORZ SPREAD: 1.836
VERT SPREAD: 1.174
GROUP SPREAD: 1.854
MIN RADIUS: 0.152
MAX RADIUS: 1.089
MEAN RADIUS: 0.560
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413487. 0

TARGET NUMBER: 5

FILE DATE: 02/15/2003

FILE TIME: 13:14

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

1:	1.076	-0.690
----	-------	--------

2:	0.429	-0.678
----	-------	--------

3:	0.166	-0.447
----	-------	--------

4:	0.421	0.542
----	-------	-------

5:	-0.678	0.618
----	--------	-------

6:	-0.593	-0.117
----	--------	--------

7:	-0.295	-0.061
----	--------	--------

8:	-0.358	-0.471
----	--------	--------

9:	-0.084	-0.279
----	--------	--------

10:	-0.311	-0.194
-----	--------	--------

X CENTROID: -0.023

Y CENTROID: -0.178

POA TO CENTROID: 0.179

HORZ SPREAD: 1.754

VERT SPREAD: 1.308

GROUP SPREAD: 2.188

MIN RADIUS: 0.118

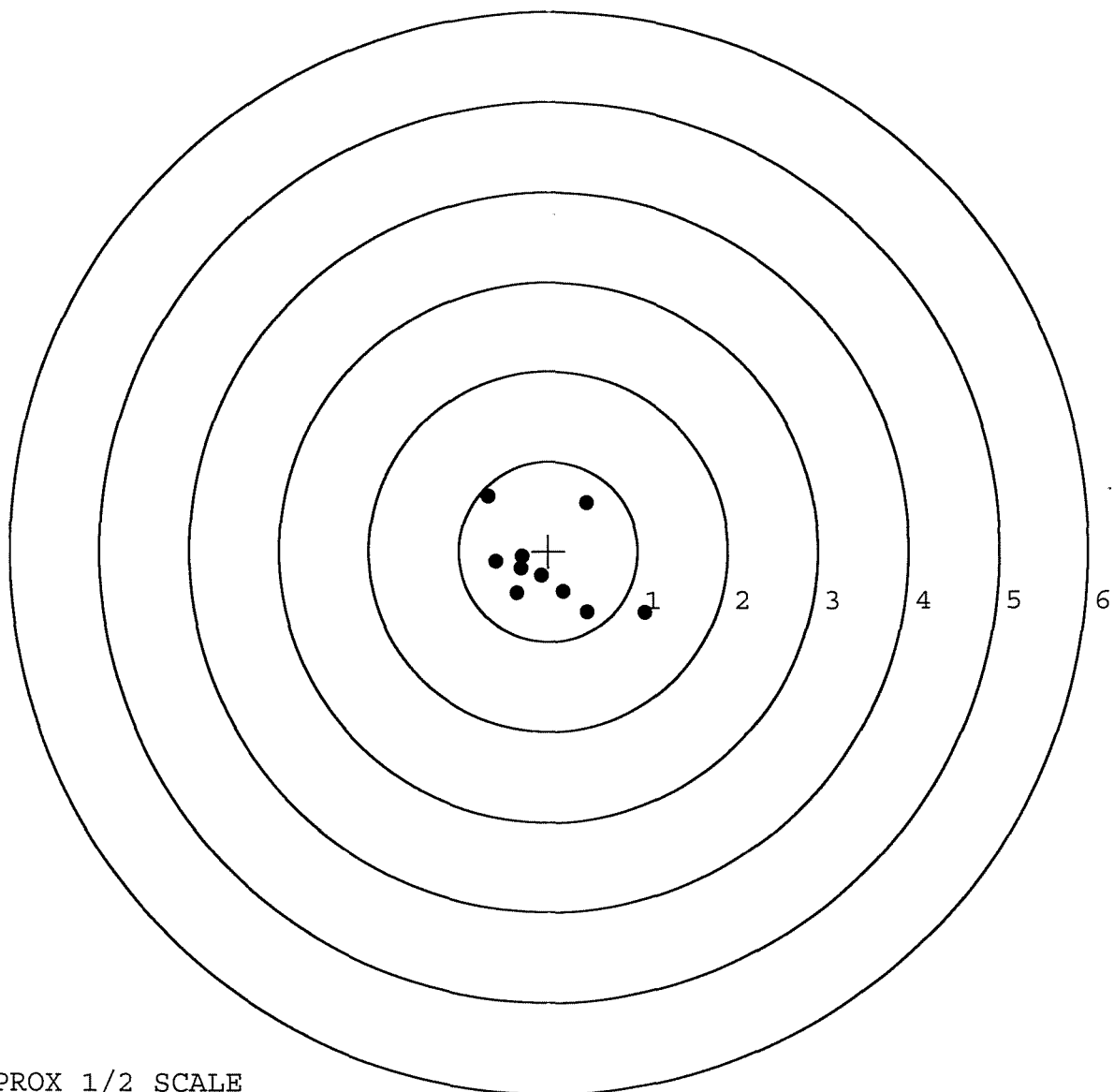
MAX RADIUS: 1.212

MEAN RADIUS: 0.581

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	60364		
SERIAL NUMBER	E6413487 (New)		
LOG-IN DATE	1-23-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-23-03	RTL
560 A	RE-BARREL	1-23-03	RA
B	DRILL AND TAP	1-27-03	TRW
575	ASSEMBLE	1-27-03	RW
600	PROOF	1-27-03	RW
605	CHECK HEADSPACE	1-27-03	RW
610	DIS-ASSEMBLE GUN	1-27-03	RW
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST	1-31-03	J-F
620	APPLY COATINGS	2-11	TA
625 A	FINAL ASSEMBLY	2-13-03	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	2-14-03	TRW
655	FINAL INSPECT	2-17-03	RW
660	PACK	2-18-03	RA
		SHIP DATE	
QAR INSPECTION DATE			

SERIAL # E6413487 INSPECTED BY: PW
DATE REC'D: 1-23-03 DATE RET'D: 2-18-03

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:

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6225169

ORDER NO.
5716

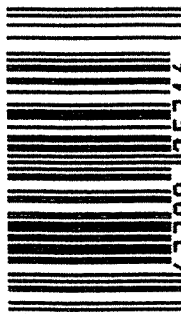
Ø1

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



5716 C6225169

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225169

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	89	RW
600	Proof	4 12	89	RW
607	Check Headspace	4 12	89	RW
610	Dis-assemble Gun	4 12	89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		7/5/89	GS
617	Drill and Tap Sight Holes	4 14	89	LB
618	Polish Barrel RB	4 14	89	BT
620	Apply Coatings (Barrel Action)		4/20/89	TS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/89	RW
	C) Inspect Ejector Hole for Chamfer		5/1/89	RW
	D) Oil Firing Pin Ass'y		5/1/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/3/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/3/89	JK
	G) Safety Off Force	3	3	3			5/3/89	JK
	H) Trigger Pull Test & Retainability						5/3/89	WB
	I) Firing Pin Indent	.20.5	.020	.020			5/3/89	JK
	J) Assemble Stock						5/4/89	RW
	K) Assemble Swivel Studs						15 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/4/89	RW
	M) Iron Sight Alignment						5/4/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/4/89	RW
	O) Attach Scope to Rifle						5/4/89	JK
	P) Detach & Attach Scope 20 Times						5/4/89	JK
640	Gallery Target & Test	48 R	104 L				5/4/89	DH
	A) Time						5/4/89	DH
	B) Malfunctions						5/4/89	DH
	C) Pierced Primers						5/4/89	DH
	D) Optical Clarity of Scope						5/4/89	DH
645	Inspect for Live Ammo						5/4/89	DH
655	Final Inspection							
	A) Headspace						15 May 89	JS
	B) Trigger Pull	2.61	2.46	2.56	2.33	2.53	15 May 89	JS
	C) Function						15 May 89	JS
660	Pack						21 June 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 5169
~~C 6225580~~

DATE 5/2/89

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	^{3.2} 2.64	^{2.2} 2.49	^{2.2} 2.55	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.60	2.40	2.61	2.42	
PULL #3	2.66	2.45	2.63	2.53	
PULL #4	2.69	2.62	2.69	2.59	
PULL #5	2.54	2.59	2.48	2.56	
TOTAL	13.13	12.55	12.96	12.62	
AVG.	2.62	2.51	2.60	2.524	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	^{3.2} 3.28	3.20		
PULL #2	3.29	3.10		
PULL #3	3.24	3.19		
PULL #4	3.43	3.20		
PULL #5	3.40	3.20		
TOTAL	16.64	15.89		
AVG.	3.33	3.18		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	^{4.2} 4.16	^{4.2} 4.03		^{4.2} 4.23
PULL #2	4.18	4.06		4.34
PULL #3	4.15	4.14		4.21
PULL #4	4.16	4.16		4.16
PULL #5	4.20	4.15		4.19
TOTAL	20.85	20.54		21.13
AVG.	4.17	4.11		4.22

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225169
4 May 1989

CENTROIDAL DISTANCES

0 TO	1	.716048
1 TO	2	.509664
1 TO	3	.423293
1 TO	4	.330203
1 TO	5	.8237

$\bar{x} = \frac{\sum x_i}{n}$ <----FOR

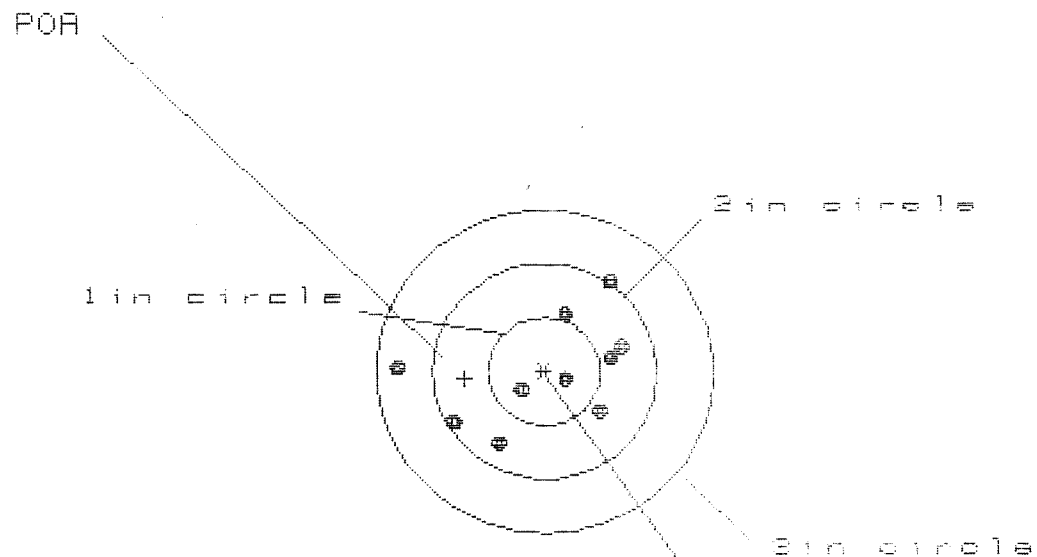
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5048
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.144
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .524937
THE AMR FOR THIS RIFLE IS: .8582.

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225163

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 1.980

VS= 1.486

GS= 2.039

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.681	.536	.591
MINIMUM X	:	-1.299	-.945	-.889
MAXIMUM Y	:	.850	.858	.609
MINIMUM Y	:	-.636	-.628	-.520
CENTROID X	:	.713	.858	.802
CENTROID Y	:	.066	.058	-.050
POA TO CENTROID in.	:	.716	.859	.804
MIN RADIUS	:	.249	.123	.141
MEAN RADIUS	:	.699	.601	.555
MAX RADIUS	:	1.301	1.061	.966
HORIZONTAL SPREAD	:	1.980	1.481	1.481
VERTICAL SPREAD	:	1.486	1.486	1.129
EXTREME SPREAD	:	2.039	1.929	1.646
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	10		

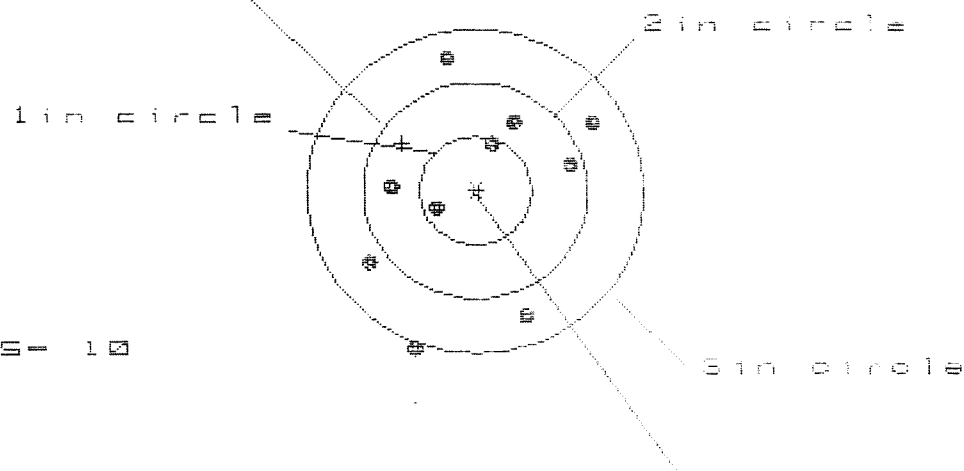
4 May 1985

FILE:/PATTERNING/CENTERFIRE_PATT/08225169

CENTERFIRE PATTERNS

2

POB



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 1.976

VS= 2.693

GS= 2.705

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.062	1.002	.959
MINIMUM X	:	-.914	-.974	-1.017
MAXIMUM Y	:	1.244	1.083	.636
MINIMUM Y	:	-1.449	-1.291	-1.155
CENTROID X	:	.652	.712	.755
CENTROID Y	:	-.440	-.279	-.415
POB TO CENTROID in.	:	.787	.765	.861
MIN RADIUS	:	.347	.339	.451
MEAN RADIUS	:	.961	.871	.845
MAX RADIUS	:	1.546	1.339	1.210
HORIZONTAL SPREAD	:	1.976	1.976	1.976
VERTICAL SPREAD	:	2.693	2.374	1.791
EXTREME SPREAD	:	2.705	2.475	2.356
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/082251B9

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 9

HS = 2.072

VS = 2.726

GS = 2.787

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.106	1.065	.541
MINIMUM X	:	-.966	-1.007	-.874
MAXIMUM Y	:	1.604	1.034	.608
MINIMUM Y	:	-1.122	-.944	-.815
CENTROID X	:	.757	.798	.665
CENTROID Y	:	-.355	-.533	-.662
POA TO CENTROID in.	:	.836	.960	.939
MIN RADIUS	:	.069	.114	.240
MEAN RADIUS	:	.794	.670	.561
MAX RADIUS	:	1.647	1.484	1.023
HORIZONTAL SPREAD	:	2.072	2.072	1.415
VERTICAL SPREAD	:	2.726	1.978	1.423
EXTREME SPREAD	:	2.787	2.173	1.785
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/062251B9

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.513

VS= 1.577

GS= 2.842

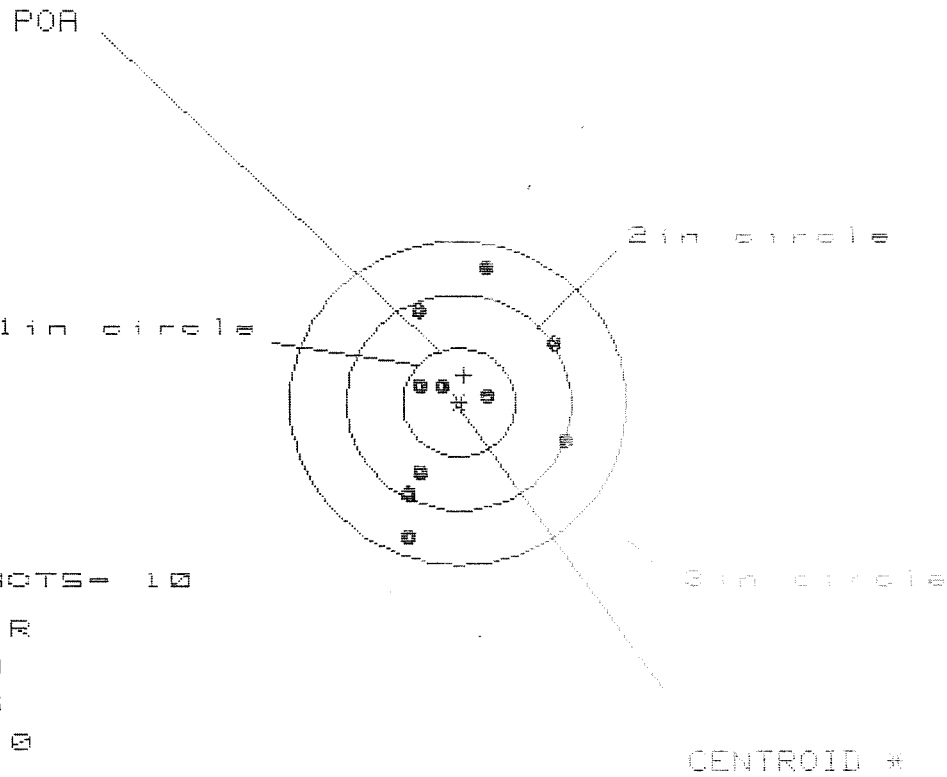
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.352	1.324	1.205
MINIMUM X	:	-1.161	-1.011	-.845
MAXIMUM Y	:	.729	.635	.465
MINIMUM Y	:	-.848	-.942	-.863
CENTROID X	:	.448	.298	.132
CENTROID Y	:	.263	.357	.278
POA TO CENTROID in.	:	.520	.465	.308
MIN RADIUS	:	.398	.510	.693
MEAN RADIUS	:	1.007	.939	.861
MAX RADIUS	:	1.595	1.468	1.205
HORIZONTAL SPREAD	:	2.513	2.335	2.050
VERTICAL SPREAD	:	1.577	1.577	1.328
EXTREME SPREAD	:	2.842	2.453	2.097
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225169

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 1.395

VS= 2.544

GS= 2.645

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.928	.876	.902
MINIMUM X	:	-.467	-.519	-.493
MAXIMUM Y	:	1.292	1.153	.859
MINIMUM Y	:	-1.252	-1.032	-.888
CENTROID X	:	-.046	.006	-.020
CENTROID Y	:	-.254	-.115	-.259
POA TO CENTROID in.	:	.258	.115	.260
MIN RADIUS	:	.241	.211	.217
MEAN RADIUS	:	.830	.764	.707
MAX RADIUS	:	1.336	1.171	1.016
HORIZONTAL SPREAD	:	1.395	1.395	1.395
VERTICAL SPREAD	:	2.544	2.185	1.747
EXTREME SPREAD	:	2.645	2.302	1.973
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER <u>18846</u>			
SERIAL NUMBER <u>C6225169</u>			
LOG-IN DATE <u>12-12-00</u>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-16-00	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	12-20-00	CK
605	CHECK HEADSPACE	12-20-00	CK
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-24-01	RW
655	FINAL INSPECT	1-30-01	CK
660	PACK		
		SHIP DATE	
QAR INSPECTION DATE			

Final Inspection

S/N: C6225/169

DATE REC'D: 12-12-00

DATE RET'D:

AUDITOR: CK

Item:

Barrel Assy.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

Scope Assy.

- ☒ Scope
- ☒ Scope Rings
- ☒ Mounting Screws
- ☒ Mounting Base
- ☒ Screws
- ☒ Finish
- ☒ Looseness
- ☒ CLARITY

Misc.

- ☐ DD-250
- ☐ BAR CODE
- ☐ PACKAGING

Item:

Stock Assy.

- ☒ Stock
- ☒ Sling Swivel Studs
- ☒ ADJUSTABLE BUTT PLATE
- ☒ LOCK NUTS
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

Systems Case

- ☐ Scope Case
- ☐ Iron Sights
- ☐ Deployment Kit

Trigger

- ☒ SAFETY OPERATION
- ☒ SET
- ☐

Comments: _____

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225169
30 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1564
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2042
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .257213

THE AMR FOR THIS RIFLE IS: 1.149

CENTROIDAL DISTANCES

0	TO	1	.530241
1	TO	2	.61356
1	TO	3	.380159
1	TO	4	.637628
1	TO	5	.487945

42
5 <----POA
3 1

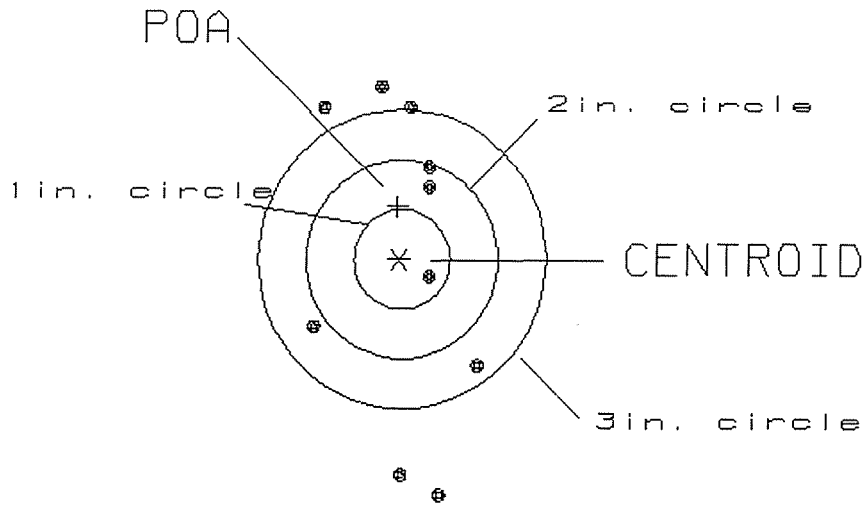
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .530
 MIN RADIUS : .306
 MEAN RADIUS : 1.406
 MAX RADIUS : 2.395
 CENTROID X : .016
 CENTROID Y : -.530

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.75
 VS= 4.07
 GS= 4.12

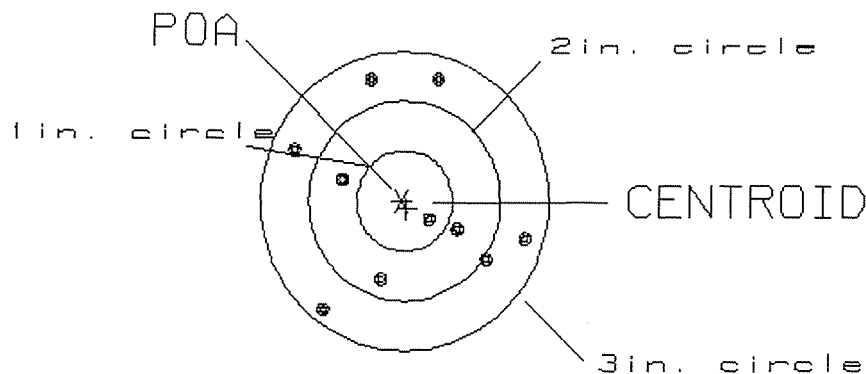
1
 3
 5

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .094
 MIN RADIUS : .299
 MEAN RADIUS : .986
 MAX RADIUS : 1.346
 CENTROID X : -.050
 CENTROID Y : .080

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.35

1

VS= 2.30

4

GS= 2.58

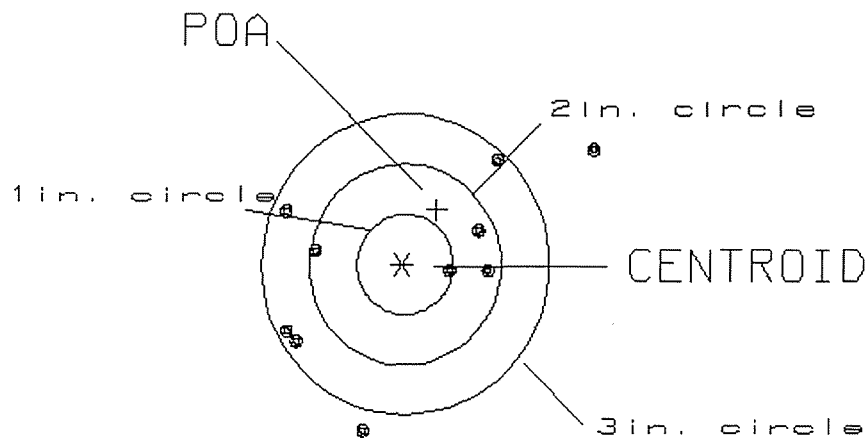
10

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .652
 MIN RADIUS : .490
 MEAN RADIUS : 1.275
 MAX RADIUS : 2.309
 CENTROID X : -.364
 CENTROID Y : -.541

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.29
 VS= 2.83
 GS= 3.75

1
 4
 8

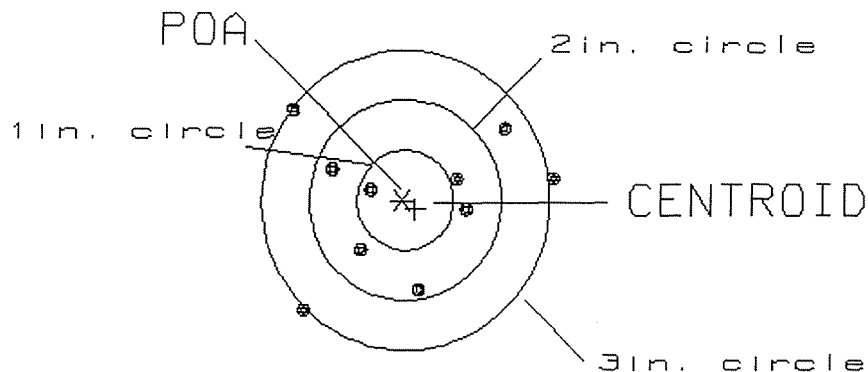
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .164
 MIN RADIUS : .356
 MEAN RADIUS : .981
 MAX RADIUS : 1.513
 CENTROID X : -.137
 CENTROID Y : .089

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.67

1

VS= 1.97

6

GS= 2.84

9

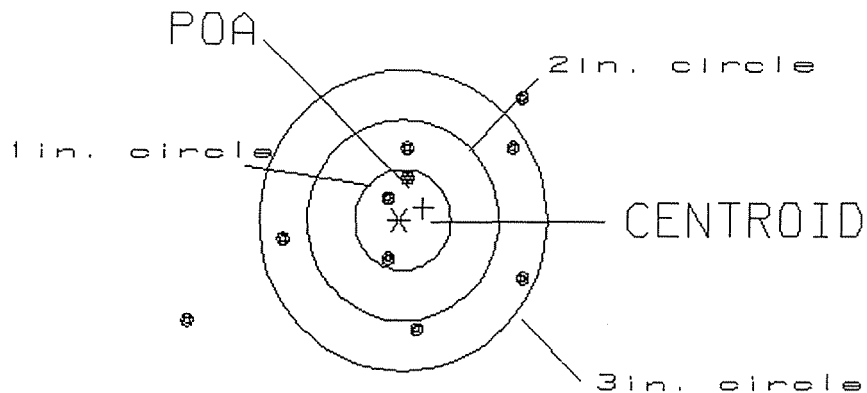
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .274
 MIN RADIUS : .209
 MEAN RADIUS : 1.099
 MAX RADIUS : 2.435
 CENTROID X : -.247
 CENTROID Y : -.119

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.49

3

VS= 2.23

4

GS= 4.10

8

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225169
25 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2638
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0048
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .263844

THE AMR FOR THIS RIFLE IS: 1.394

CENTROIDAL DISTANCES

0	TO	1	.253032
1	TO	2	.547165
1	TO	3	.0705195
1	TO	4	.0904434
1	TO	5	.217807

2

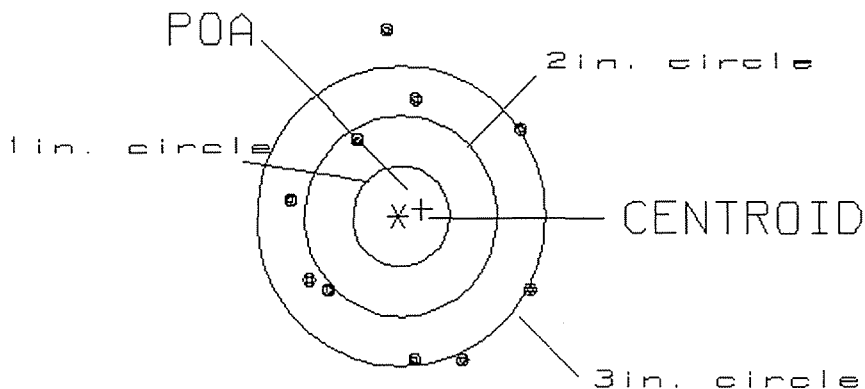
4₅ + <----POA
5

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .253
 MIN RADIUS : .892
 MEAN RADIUS : 1.340
 MAX RADIUS : 1.867
 CENTROID X : -.244
 CENTROID Y : -.067

25 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.50

0

VS= 3.33

1

GS= 3.41

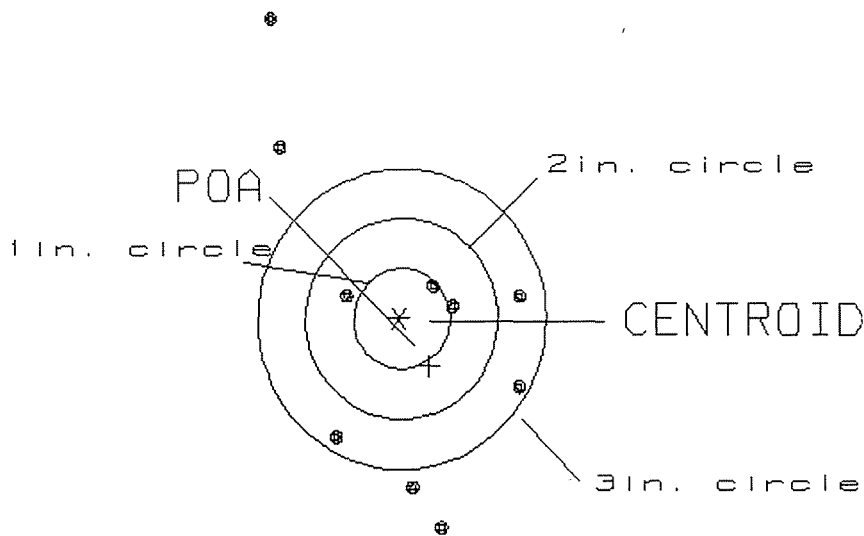
7

PATTERN #: 2
 POA TO CENTROID: .572
 MIN RADIUS : .402
 MEAN RADIUS : 1.494
 MAX RADIUS : 3.329
 CENTROID X : -.319
 CENTROID Y : .475

25 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.68
 VS= 5.12
 GS= 5.45

1
 3
 6

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .259

MIN RADIUS : .458

MEAN RADIUS : 1.268

MAX RADIUS : 3.251

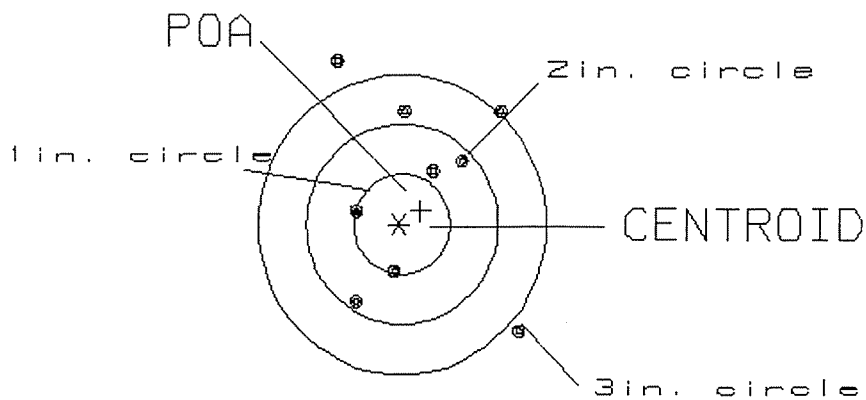
CENTROID X : -.222

CENTROID Y : -.134

25 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.72

1

VS= 4.55

5

GS= 4.73

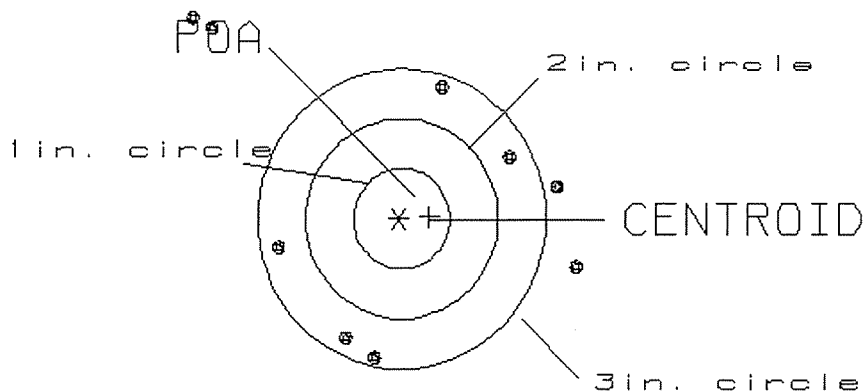
6

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .318
 MIN RADIUS : 1.256
 MEAN RADIUS : 1.924
 MAX RADIUS : 3.192
 CENTROID X : -.318
 CENTROID Y : -.015

25 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.99

0

VS= 4.92

0

GS= 6.09

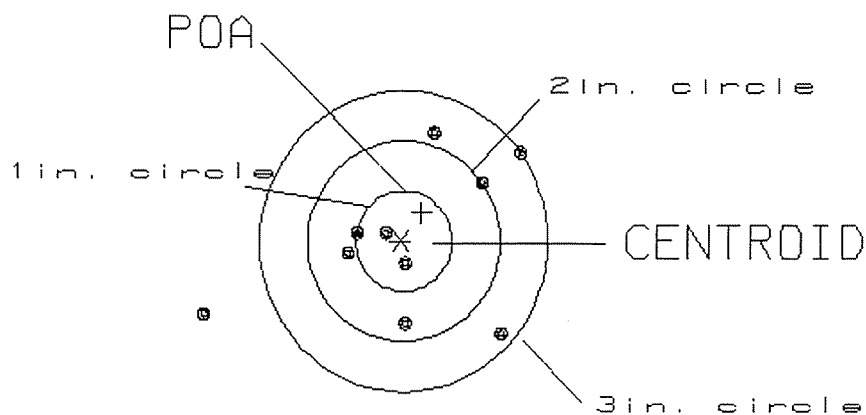
5

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .356
 MIN RADIUS : .192
 MEAN RADIUS : .945
 MAX RADIUS : 2.206
 CENTROID X : -.216
 CENTROID Y : -.283

25 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.32
 VS= 1.99
 GS= 3.68

3
 5
 8

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6391089.__1
FILE DATE AND TIME: 12/14/2005 13:06

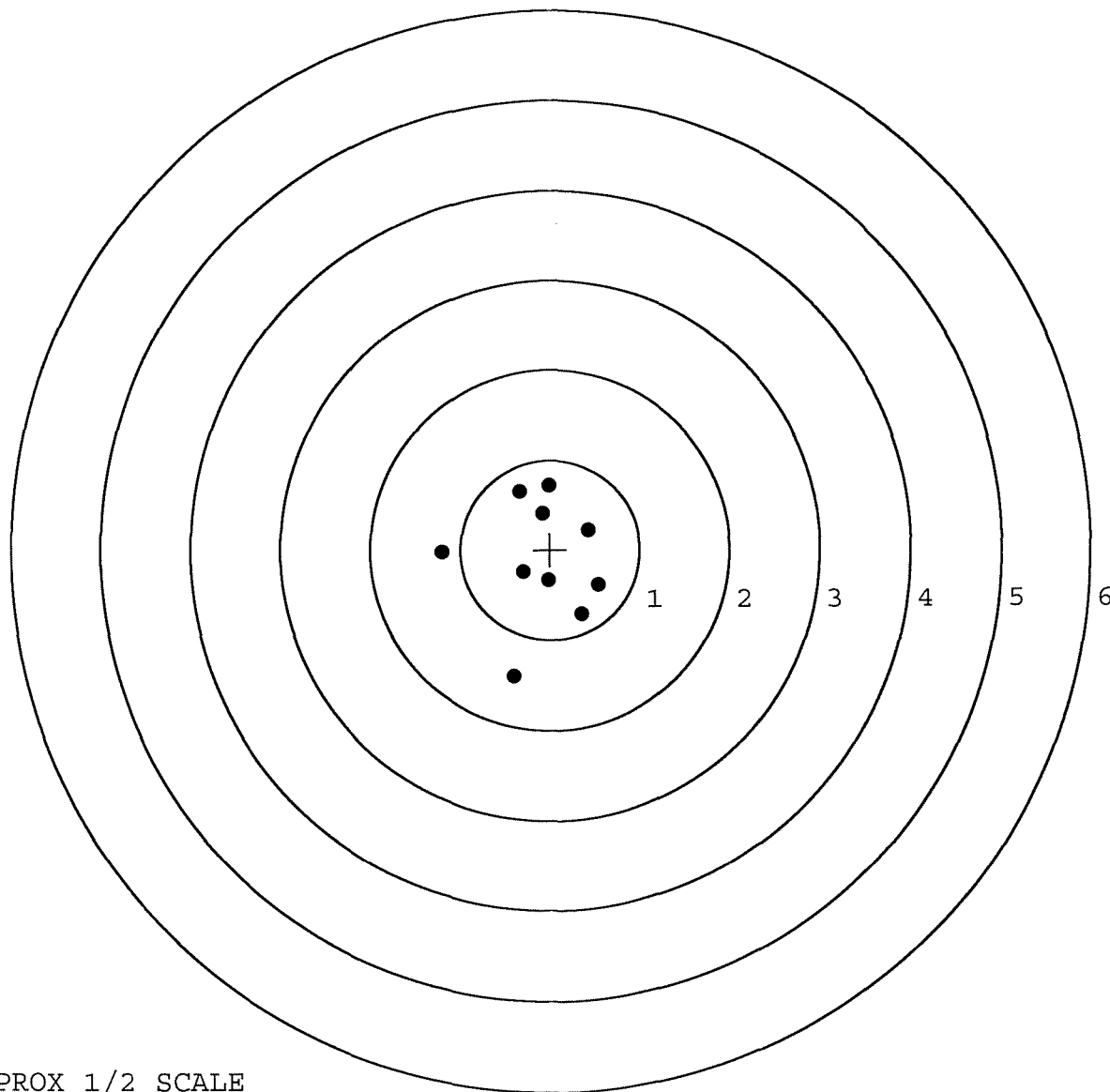
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.026
The Average Y Centroid of the Five Target Set:	0.043
The Average Point of Impact of the Five Target Set:	0.050
The Average Mean Radius of the Five Target Set:	0.823
The Distance from POA to Centroid Target #1:	0.157
The Distance from Centroid Target #2 to Centroid Target #1:	0.340
The Distance from Centroid Target #3 to Centroid Target #1:	0.228
The Distance from Centroid Target #4 to Centroid Target #1:	0.542
The Distance from Centroid Target #5 to Centroid Target #1:	0.271

SERIAL NUMBER: G6391089. __1
TARGET NUMBER: 1
FILE DATE: 12/14/2005
FILE TIME: 13:06

POINT#	X	Y
1:	0.539	-0.388
2:	0.422	0.220
3:	0.351	-0.717
4:	-0.411	-1.412
5:	-0.020	-0.343
6:	-0.305	-0.247
7:	-0.014	0.717
8:	-0.340	0.651
9:	-0.090	0.404
10:	-1.203	-0.029

X CENTROID: -0.107
Y CENTROID: -0.114
POA TO CENTROID: 0.157
HORZ SPREAD: 1.742
VERT SPREAD: 2.129
GROUP SPREAD: 2.166
MIN RADIUS: 0.238
MAX RADIUS: 1.333
MEAN RADIUS: 0.715
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

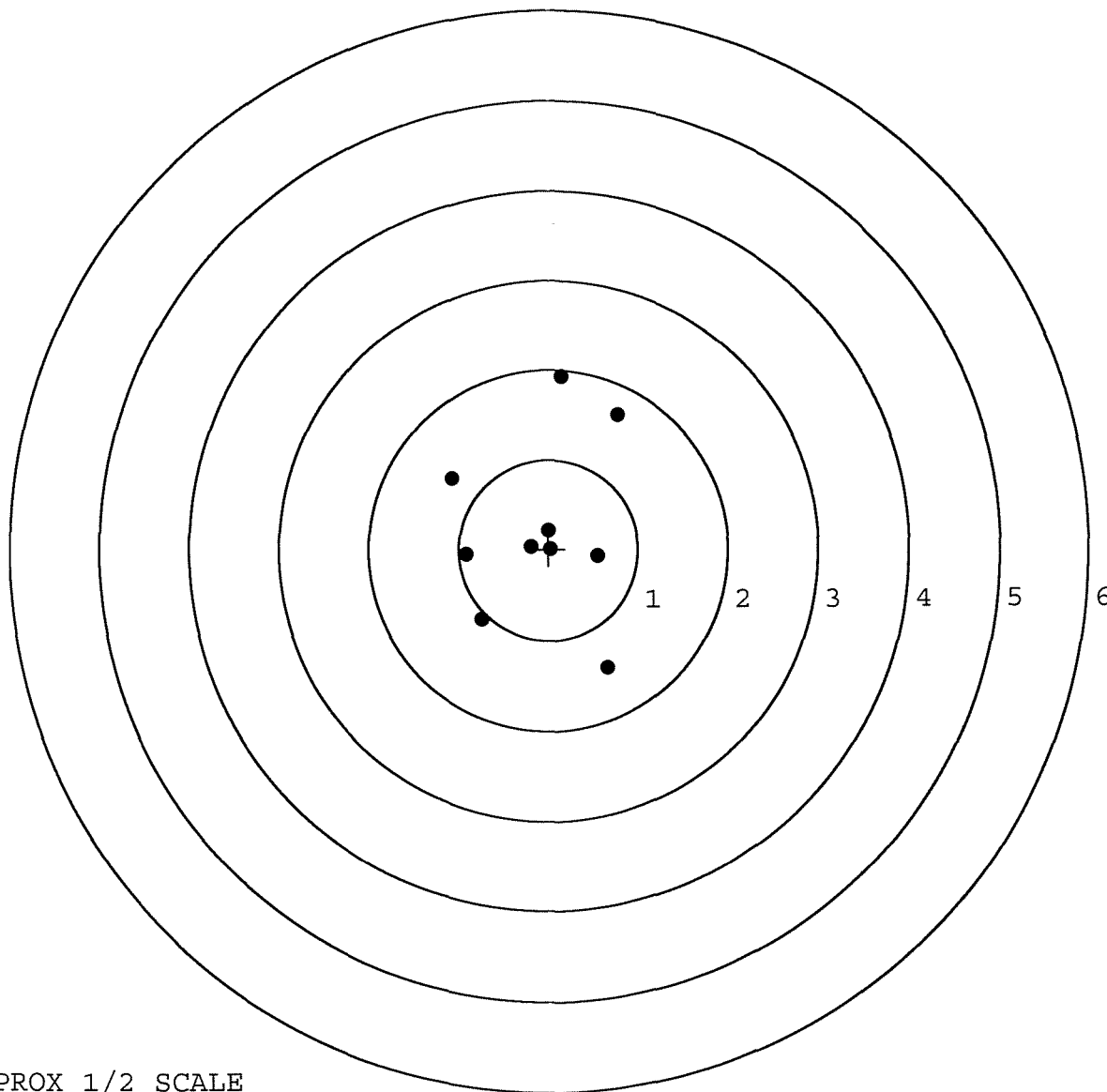


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. __1
TARGET NUMBER: 2
FILE DATE: 12/14/2005
FILE TIME: 13:06

X CENTROID: -0.079
Y CENTROID: 0.225
POA TO CENTROID: 0.238
HORZ SPREAD: 1.852
VERT SPREAD: 3.231
GROUP SPREAD: 3.272
MIN RADIUS: 0.079
MAX RADIUS: 1.715
MEAN RADIUS: 0.943
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.659	-1.306
2:	0.551	-0.080
3:	-0.002	0.210
4:	0.023	0.005
5:	-0.194	0.030
6:	-0.747	-0.771
7:	-0.919	-0.054
8:	-1.080	0.794
9:	0.772	1.496
10:	0.144	1.925

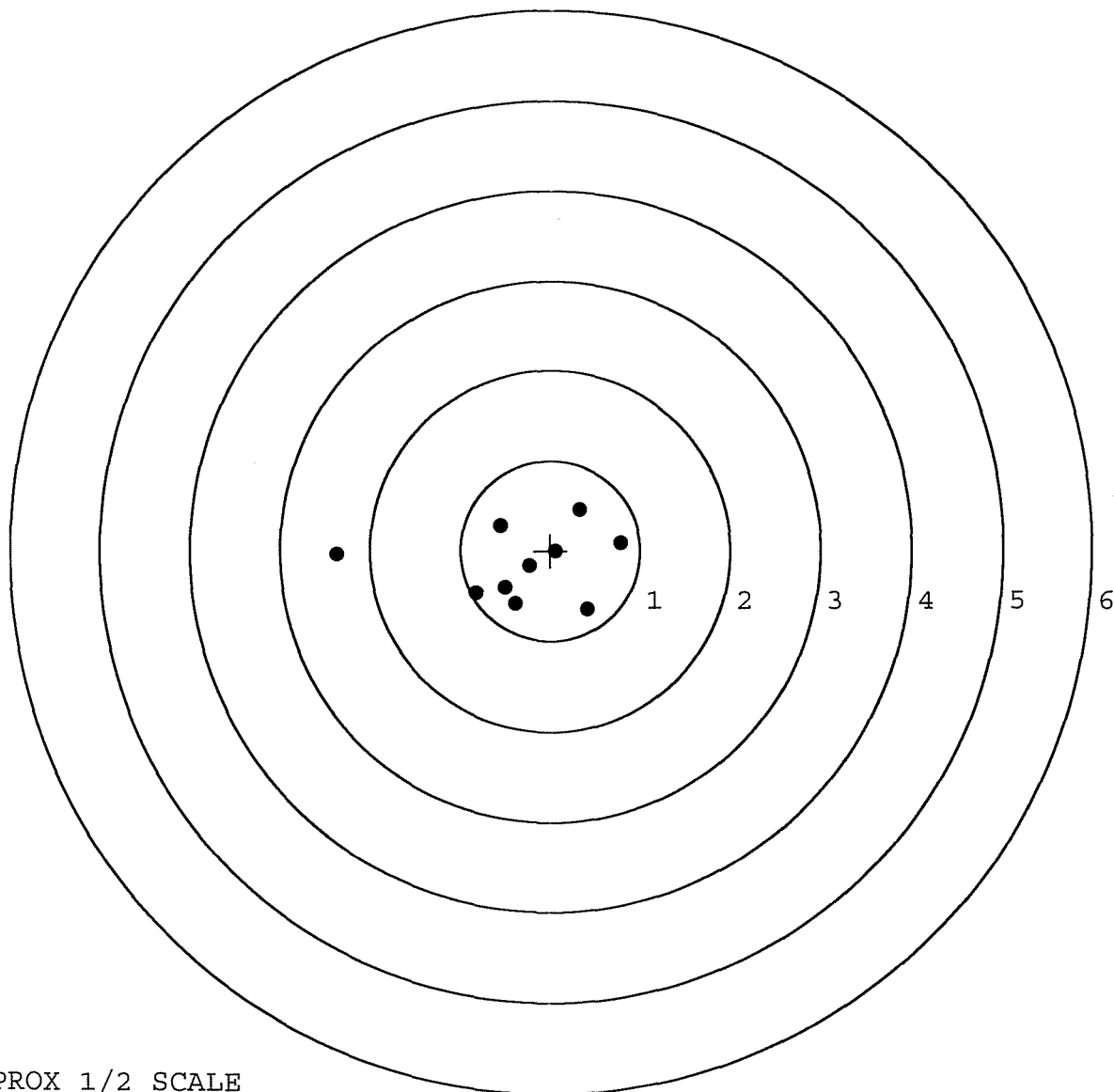


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. __1
TARGET NUMBER: 3
FILE DATE: 12/14/2005
FILE TIME: 13:06

POINT#	X	Y
1:	0.781	0.092
2:	0.326	0.458
3:	0.415	-0.657
4:	0.057	-0.010
5:	-0.238	-0.179
6:	-0.388	-0.599
7:	-0.513	-0.419
8:	-0.825	-0.475
9:	-0.560	0.277
10:	-2.369	-0.050

X CENTROID: -0.331
Y CENTROID: -0.156
POA TO CENTROID: 0.366
HORZ SPREAD: 3.150
VERT SPREAD: 1.115
GROUP SPREAD: 3.153
MIN RADIUS: 0.096
MAX RADIUS: 2.040
MEAN RADIUS: 0.733
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

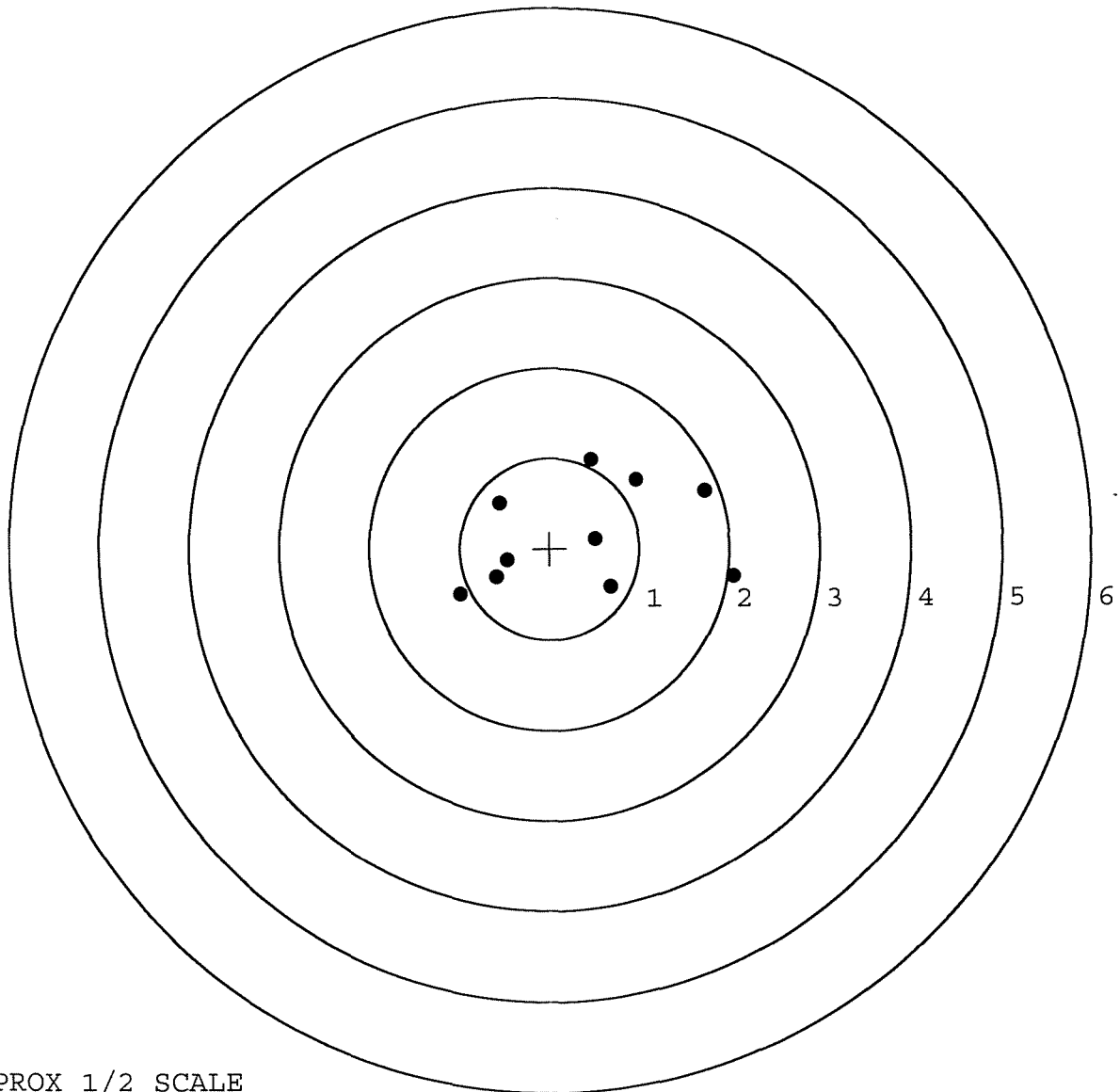


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. __1
TARGET NUMBER: 4
FILE DATE: 12/14/2005
FILE TIME: 13:06

X CENTROID: 0.376
Y CENTROID: 0.131
POA TO CENTROID: 0.398
HORZ SPREAD: 3.039
VERT SPREAD: 1.490
GROUP SPREAD: 3.045
MIN RADIUS: 0.136
MAX RADIUS: 1.723
MEAN RADIUS: 1.013
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.966	0.758
2:	0.464	0.985
3:	0.511	0.111
4:	0.678	-0.421
5:	-0.474	-0.133
6:	-0.998	-0.505
7:	-0.560	0.505
8:	-0.595	-0.317
9:	1.728	0.640
10:	2.041	-0.313



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. __1

TARGET NUMBER: 5

FILE DATE: 12/14/2005

FILE TIME: 13:06

POINT#	X	Y
1:	1.359	0.406
2:	0.039	0.459
3:	-0.315	0.619
4:	-0.382	0.374
5:	-1.566	0.519
6:	-0.055	-0.190
7:	-0.405	-0.463
8:	0.239	-0.072
9:	0.684	-0.037
10:	0.513	-0.321

X CENTROID: 0.011

Y CENTROID: 0.129

POA TO CENTROID: 0.130

HORZ SPREAD: 2.925

VERT SPREAD: 1.082

GROUP SPREAD: 2.927

MIN RADIUS: 0.304

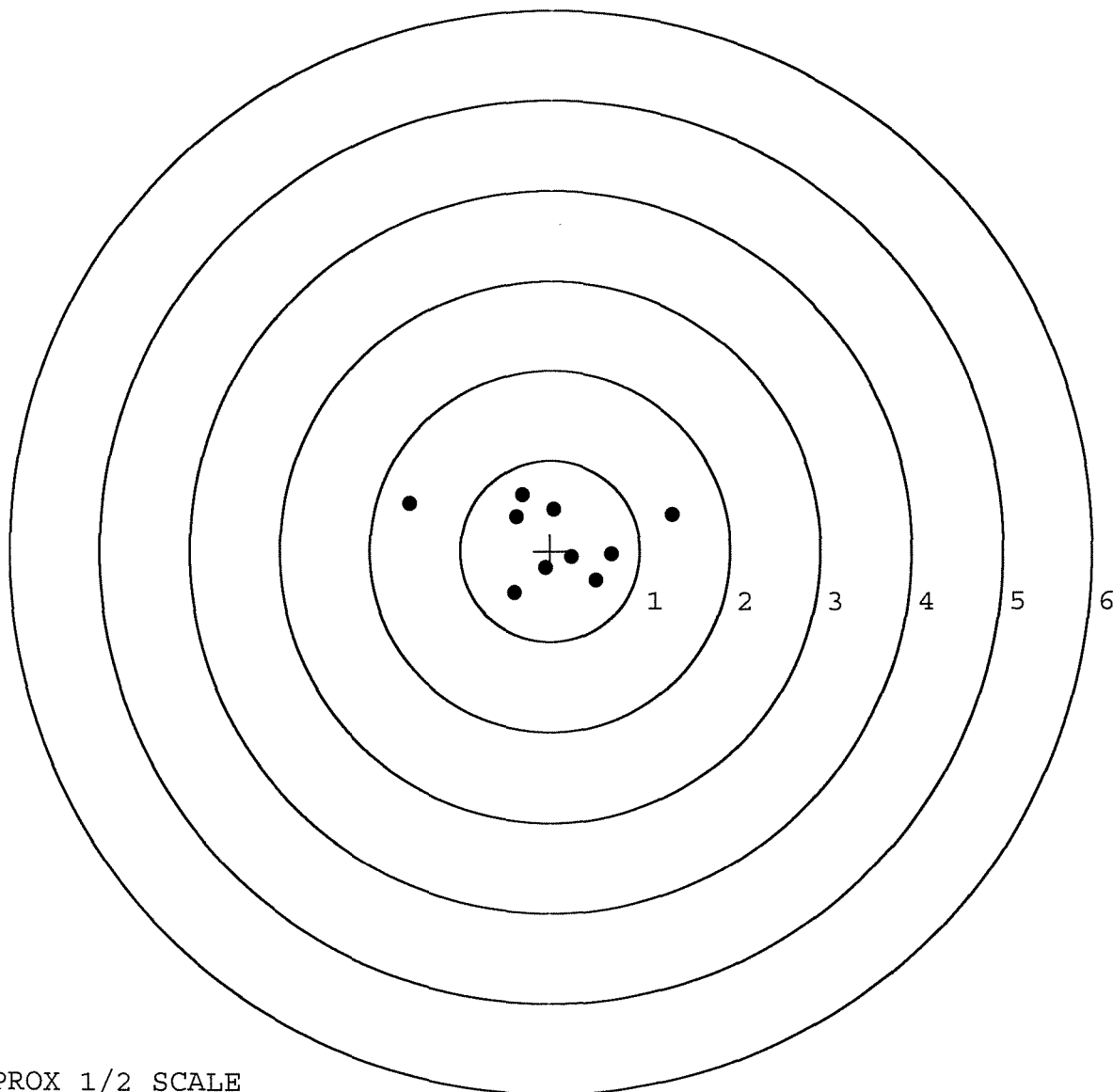
MAX RADIUS: 1.625

MEAN RADIUS: 0.710

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SECTION III - EQUIPMENT DATA

4. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not describe repairs)

SECTION IV - TASK REQUIREMENTS DATA

SECTION V - PART REQUIREMENTS

SECTION VI - COMPLETION DATA

SECTION VII - ACTION SIGNATURES

DA FORM 2407. JUL 94

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE 11-15-05

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.52	2.58		2.49	
PULL #2	2.55	2.62		2.44	
PULL #3	2.46	2.60		2.55	
PULL #4	2.56	2.58		2.51	
PULL #5	2.45	2.59		2.49	
TOTAL	12.54	12.97		12.48	
AVERAGE	2.50	2.59		2.49	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.12		
PULL #2	3.10	3.13		
PULL #3	3.16	3.06		
PULL #4	3.13	3.13		
PULL #5	3.15	3.18		
TOTAL	15.66	15.62		
AVERAGE	3.13	3.12		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.06	4.03		3.97
PULL #2	3.98	4.05		4.07
PULL #3	4.11	4.07		4.14
PULL #4	4.15	4.02		3.84
PULL #5	4.16	4.12		4.19
TOTAL	20.46	20.29		20.21
AVERAGE	4.09	4.05		4.04

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

FORT BENNING

R & E NUMBER	104586			
SERIAL NUMBER	G6391089			
LOG-IN DATE	12-5-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		12-6-05	BO
505	RE-BARREL		12-6-05	BO
560	ASSEMBLE		12-7-05	CD
600	PROOF	MAGNA-FLUX	12-7-05	CD
605	CHECK HEADSPACE		12-7-05	CD
610	DIS-ASSEMBLE GUN		12-7-05	CD
612	MAGNAFLUX	OPERATOR <i>unus</i>	12/12/05	<i>unus</i>
510	DRILL AND TAP		12-9-05	BR
615	ROLLMARK CALIBER		12-10-05	CW
618	ROTO-BLAST		12-12-05	LB
620	APPLY COATINGS		12/13/05	RB
625	FINAL ASSEMBLY		12-13-05	AC
640	FUNCTION TEST AND	<u>PASS</u> FAIL	12-14-05	AC
650	TARGET	<u>PASS</u> FAIL	12-14-05	AC
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		12-14-05	AC
	A) HEADSPACE	<u>PASS</u> FAIL	12-14-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.46 2.43 2.39 2.57 2.56	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6 lbs 6 lbs 6 lbs	
	G) SAFETY OFF FORCE	2 LBS MIN	3 lbs 3 lbs 3 lbs	
	I) FIRING PIN INDENT	.020	.023 .023 .023	
690	PACK		12/16/05	BA