

E 641 3543

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: **RE00092749** Serial: C6413548 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 2/8/2005 1:49:11 PM

Verify Repair

Address Information

Customer: Received From Return To Received From

Name: **HHC 2/505 PIR, 82ND AIRBORNE DIVISION** **HHC 2/505 PIR, 82ND AIRBORNE DIVISION**

Address 1: **SSG SANDIVAL** **SSG SANDIVAL**

Address 2: **PO Box** **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: **910 797 8996**

Fax:

Email:

Comments:

Received Condition

Good

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Frt and Rear Sgt Base	1

Repair Search Refresh Close

negletj 2/8/2005 3:02 PM CAPS NUM INS SCRL

start 2 2 Arms Service 4

Serial Number: **E6413548**

Model: **M24 SWS**



RE00092749

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: E6413548.___0

FILE DATE AND TIME: 02/28/2005 07:51

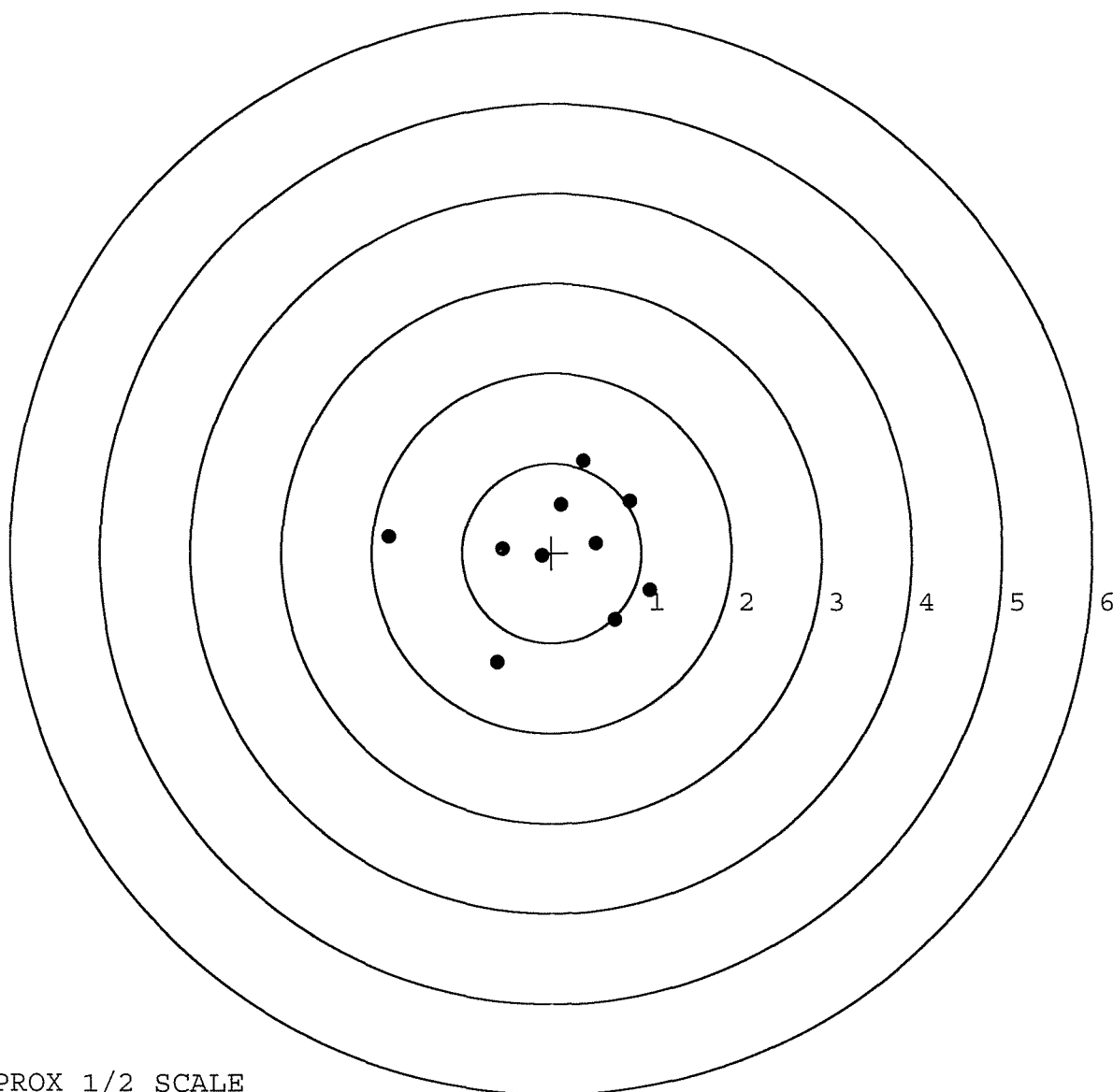
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.009
The Average Y Centroid of the Five Target Set:	-0.066
The Average Point of Impact of the Five Target Set:	0.066
The Average Mean Radius of the Five Target Set:	0.833
The Distance from POA to Centroid Target #1:	0.055
The Distance from Centroid Target #2 to Centroid Target #1:	0.251
The Distance from Centroid Target #3 to Centroid Target #1:	0.114
The Distance from Centroid Target #4 to Centroid Target #1:	0.126
The Distance from Centroid Target #5 to Centroid Target #1:	0.316

SERIAL NUMBER: E6413548. 0
TARGET NUMBER: 1
FILE DATE: 02/28/2005
FILE TIME: 07:51

X CENTROID: 0.054
Y CENTROID: 0.006
POA TO CENTROID: 0.055
HORZ SPREAD: 2.897
VERT SPREAD: 2.248
GROUP SPREAD: 2.961
MIN RADIUS: 0.169
MAX RADIUS: 1.871
MEAN RADIUS: 0.920
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.089	-0.425
2:	0.702	-0.747
3:	0.496	0.110
4:	0.869	0.574
5:	0.103	0.539
6:	0.360	1.030
7:	-0.109	-0.036
8:	-0.553	0.049
9:	-0.607	-1.218
10:	-1.808	0.189

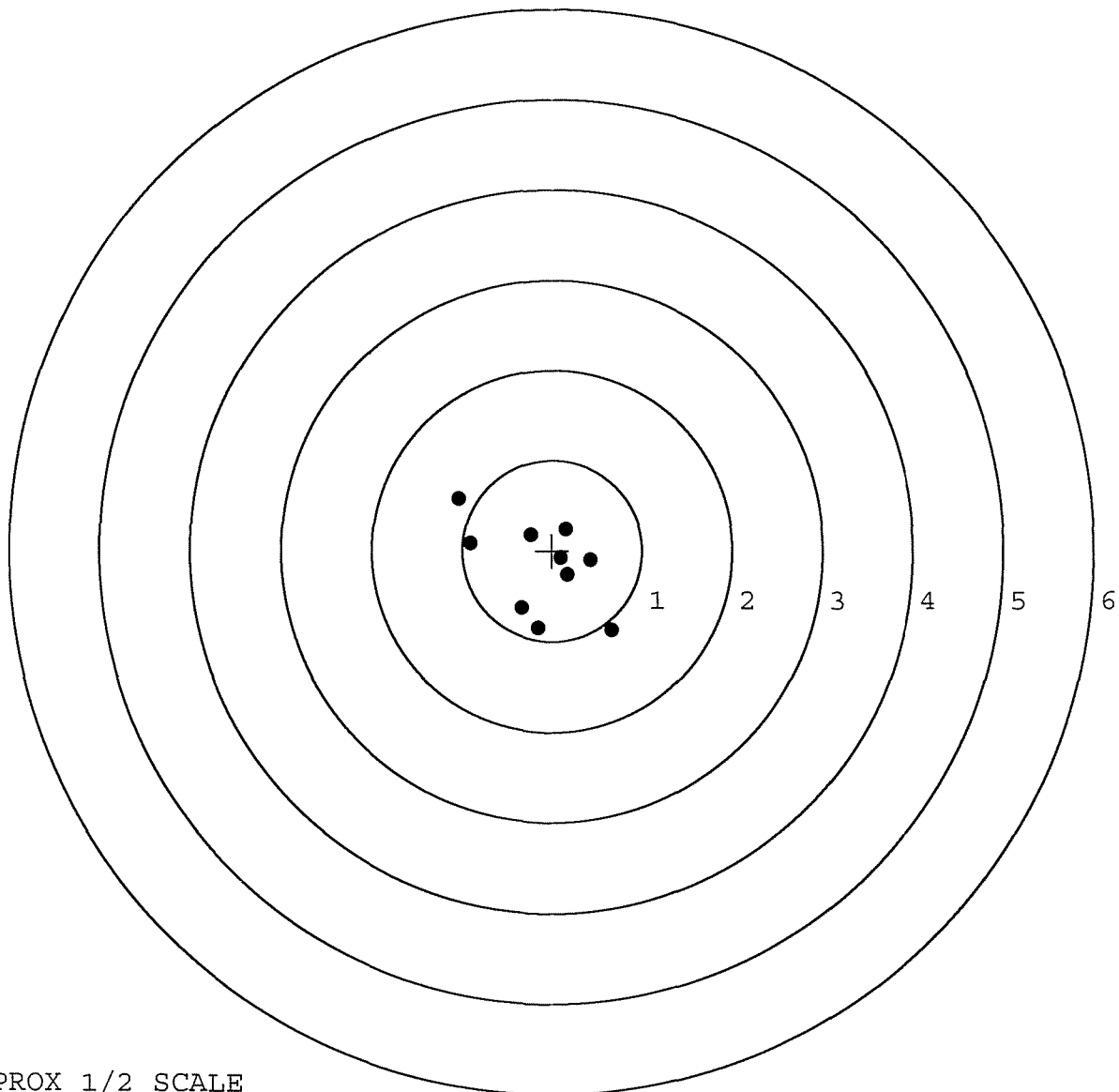


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413548. 0
TARGET NUMBER: 2
FILE DATE: 02/28/2005
FILE TIME: 07:51

X CENTROID: -0.118
Y CENTROID: -0.176
POA TO CENTROID: 0.212
HORZ SPREAD: 1.707
VERT SPREAD: 1.460
GROUP SPREAD: 2.246
MIN RADIUS: 0.236
MAX RADIUS: 1.193
MEAN RADIUS: 0.623
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.663	-0.884
2:	-0.162	-0.854
3:	-0.342	-0.635
4:	-0.910	0.082
5:	-1.044	0.576
6:	0.431	-0.112
7:	0.168	-0.271
8:	0.156	0.239
9:	-0.237	0.176
10:	0.098	-0.081

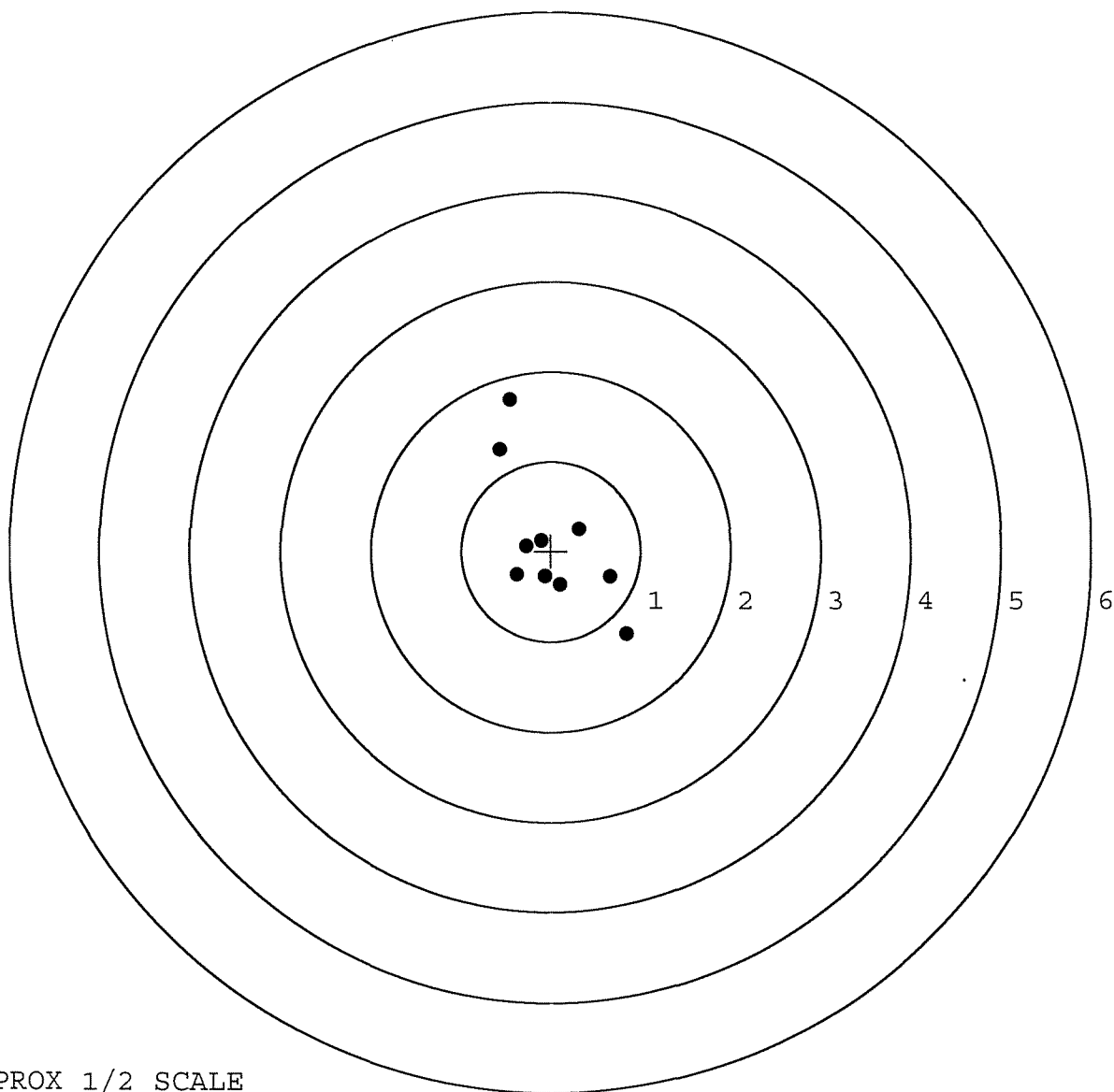


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413548. __0
TARGET NUMBER: 3
FILE DATE: 02/28/2005
FILE TIME: 07:51

X CENTROID: 0.005
Y CENTROID: 0.109
POA TO CENTROID: 0.109
HORZ SPREAD: 1.426
VERT SPREAD: 2.608
GROUP SPREAD: 2.918
MIN RADIUS: 0.112
MAX RADIUS: 1.646
MEAN RADIUS: 0.710
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.846	-0.921
2:	0.662	-0.293
3:	0.318	0.240
4:	0.101	-0.376
5:	-0.069	-0.285
6:	-0.580	1.139
7:	-0.463	1.687
8:	-0.107	0.114
9:	-0.276	0.054
10:	-0.384	-0.266

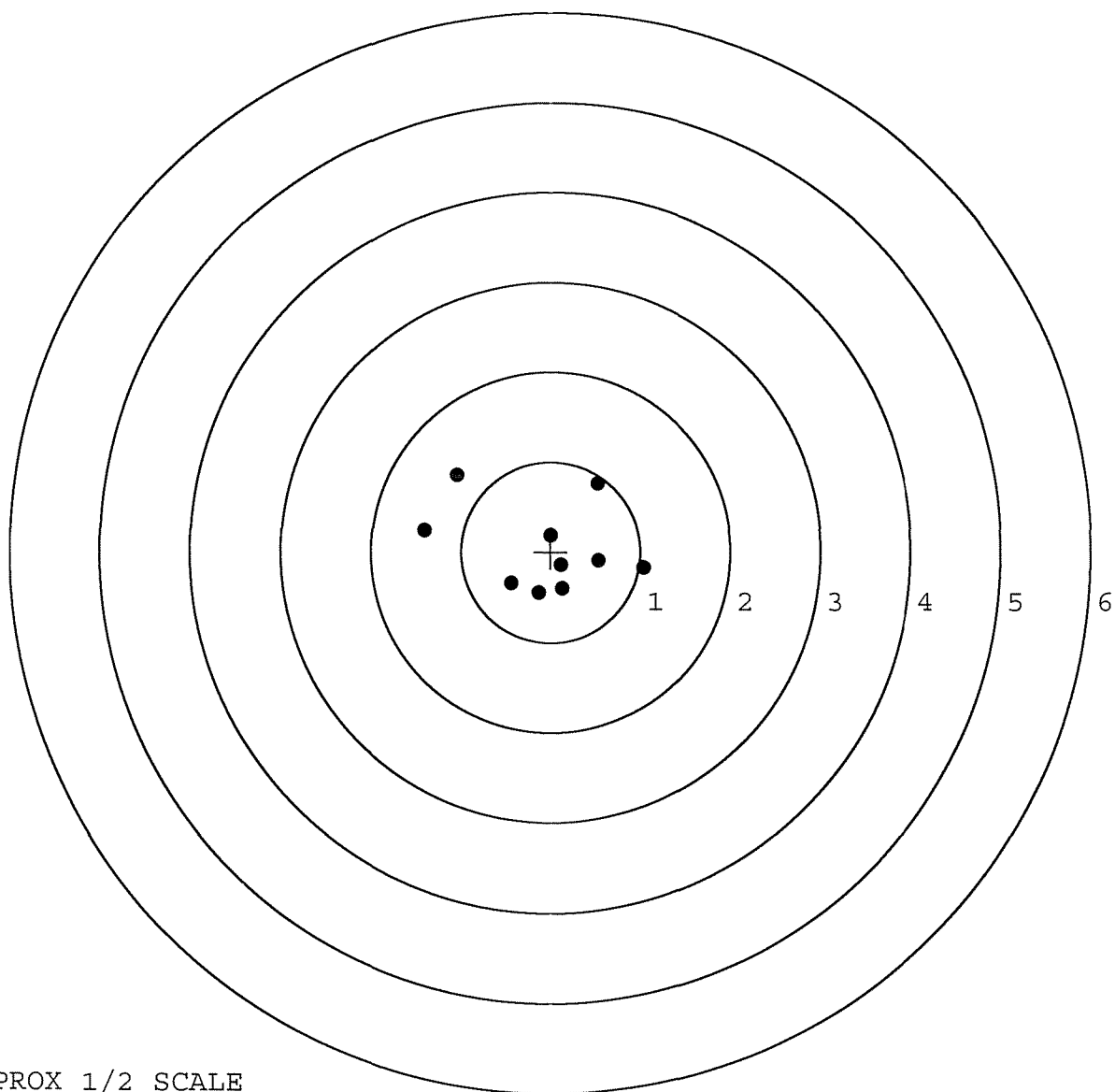


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413548. __0
 TARGET NUMBER: 4
 FILE DATE: 02/28/2005
 FILE TIME: 07:51

X CENTROID: -0.068
 Y CENTROID: 0.039
 POA TO CENTROID: 0.078
 HORZ SPREAD: 2.443
 VERT SPREAD: 1.317
 GROUP SPREAD: 2.480
 MIN RADIUS: 0.159
 MAX RADIUS: 1.353
 MEAN RADIUS: 0.728
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.038	-0.181
2:	0.538	-0.101
3:	0.133	-0.407
4:	0.120	-0.153
5:	-0.139	-0.460
6:	-0.445	-0.353
7:	0.005	0.180
8:	0.531	0.759
9:	-1.053	0.857
10:	-1.405	0.245

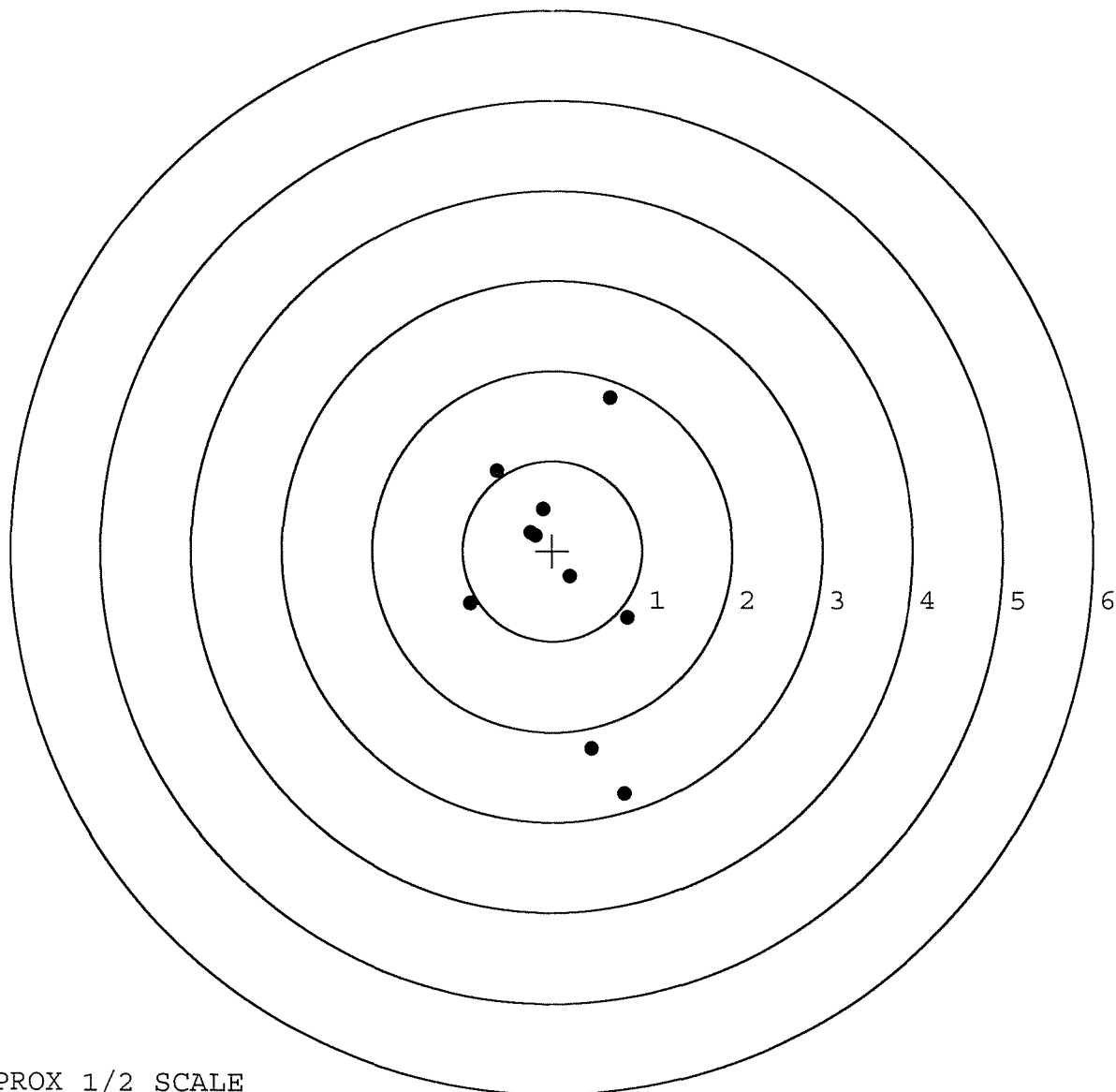


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413548. __0
TARGET NUMBER: 5
FILE DATE: 02/28/2005
FILE TIME: 07:51

X CENTROID: 0.084
Y CENTROID: -0.308
POA TO CENTROID: 0.319
HORZ SPREAD: 1.751
VERT SPREAD: 4.387
GROUP SPREAD: 4.390
MIN RADIUS: 0.114
MAX RADIUS: 2.488
MEAN RADIUS: 1.185
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.805	-2.689
2:	0.437	-2.187
3:	0.836	-0.750
4:	0.197	-0.291
5:	-0.111	0.464
6:	-0.244	0.206
7:	-0.915	-0.584
8:	-0.619	0.888
9:	0.640	1.698
10:	-0.187	0.169



TARGET APPROX 1/2 SCALE

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 2-8-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.14	2.40		2.19	
PULL #2	2.25	2.32		2.12	
PULL #3	2.28	2.24		2.19	
PULL #4	2.27	2.08		2.17	
PULL #5	2.13	2.05		2.18	
TOTAL	11.07	11.09		10.85	
AVERAGE	2.21	2.21		2.17	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.14		
PULL #2	3.20	3.18		
PULL #3	3.08	3.14		
PULL #4	3.23	2.82		
PULL #5	3.18	3.10		
TOTAL	15.97	15.38		
AVERAGE	3.19	3.07		

	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	4.09	4.13		4.37
PULL #2	4.15	4.17		4.21
PULL #3	4.23	4.11		3.67
PULL #4	4.13	4.13		4.18
PULL #5	4.13	4.08		4.13
TOTAL	20.73	20.62		20.56
AVERAGE	4.14	4.12		4.11

R & E NUMBER	92749		
SERIAL NUMBER	E6413548		
LOG-IN DATE	2-8-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-10-05	RTZ
560 A	RE-BARREL	2-12-05	RTZ
B	DRILL AND TAP	2-15-05	TRW
575	ASSEMBLE	2-12-05	RTZ
600	PROOF	2-14-05	AC
605	CHECK HEADSPACE	2-14-05	AC
610	DIS-ASSEMBLE GUN	2-14-05	RTZ
612	MAGNAFLUX		OPERATOR
615	ROLLMARK CALIBER	2-17-05	CW
618	ROTO-BLAST	2-17-05	LB
620	APPLY COATINGS	2/23/05	HP
625 A	FINAL ASSEMBLY	2-24-05	RTZ
B	TRIGGER PULL TEST	3-7-05	RTZ
C	SAFETY "ON" FORCE	3-7-05	RTZ
D	SAFETY "OFF" FORCE	3-7-05	RTZ
E	FIRING PIN INDENT	N/A	
640	TARGET	2-28-05	TRW
655	FINAL INSPECT	3-7-05	RTZ
660	PACK	3-7-05	RTZ
		SHIP DATE	
		QAR INSPECTION DATE	

Repair Inquiry

Repair Number: RE00023291

Serial: C6225271 Model 700 Center Fire Caliber 7.62 NATO M-24 (SWS)

Repairman:

Status: Closed 2/20/01 2:18:56 PM

Verify Repair

Address Information

Customer: Received From Return To: Received From

Name: COMMANDER HHC 3/505TH FIR COMMANDER HHC 3/505TH FIR

Address-1: BLDG# C7535 BLDG# C7535

Address-2: PO Box: 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	2
A008	With Swivel	2
A016	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1
X	BIPOD	1

Repair Search

Refresh

Close

haglet

2/20/01

2:42 PM

CAPS

NUM

INS

SCAL

Start

Inb...

Nag...

Micr...

Ar...

Exp...

Part...

FBI...

Ma...

24

Serial Number: **C6225271**

Model: **700**



RE00023291

E6413548

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6413548
29 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0268
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0362
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0450409

THE AMR FOR THIS RIFLE IS: .9692

CENTROIDAL DISTANCES

0	TO	1	.0863713
1	TO	2	.277834
1	TO	3	.115169
1	TO	4	.0181108
1	TO	5	.232648

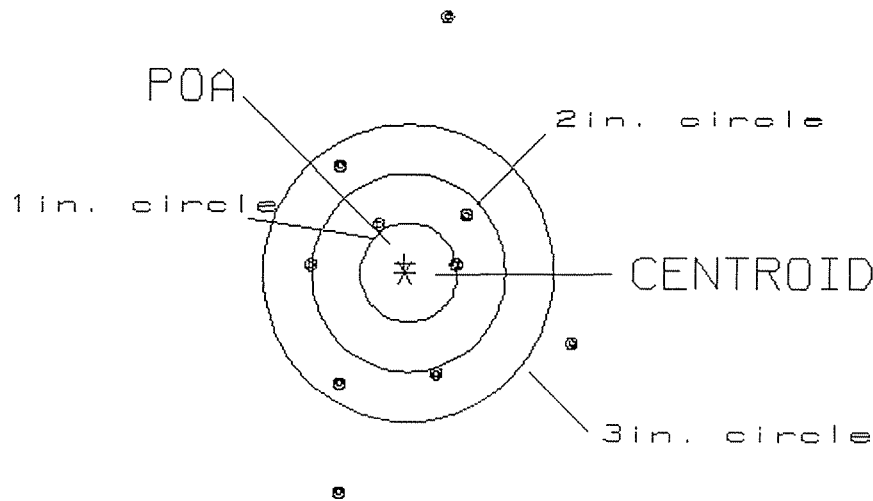
25
3
<----POA

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .086
 MIN RADIUS : .538
 MEAN RADIUS : 1.331
 MAX RADIUS : 2.602
 CENTROID X : .008
 CENTROID Y : -.086

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413548

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.68

0

VS= 4.76

3

GS= 4.89

7

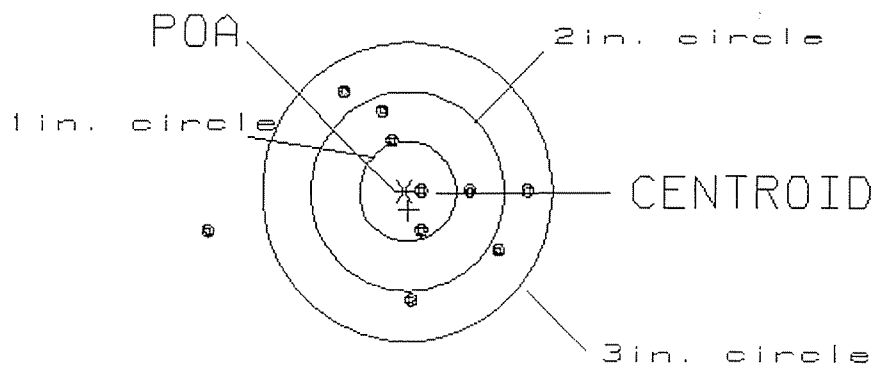
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .192
 MIN RADIUS : .182
 MEAN RADIUS : .933
 MAX RADIUS : 2.079
 CENTROID X : -.038
 CENTROID Y : .188

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413548

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.25

2

VS= 2.15

5

GS= 3.27

9

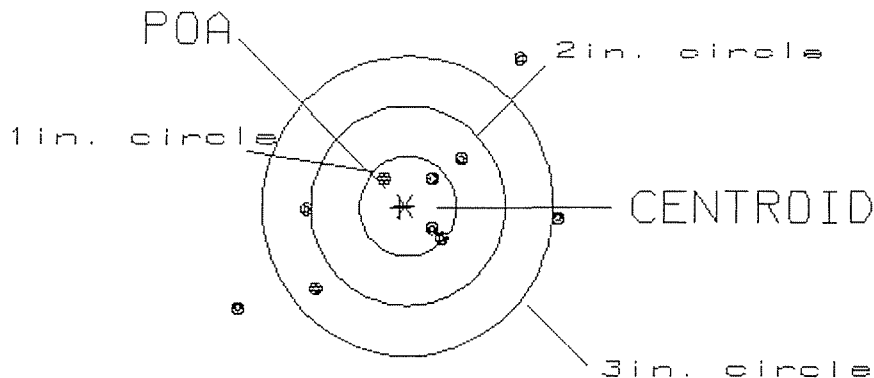
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .053
 MIN RADIUS : .376
 MEAN RADIUS : 1.015
 MAX RADIUS : 2.049
 CENTROID X : .048
 CENTROID Y : .022

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413548

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.29

3

VS= 2.53

5

GS= 3.84

7

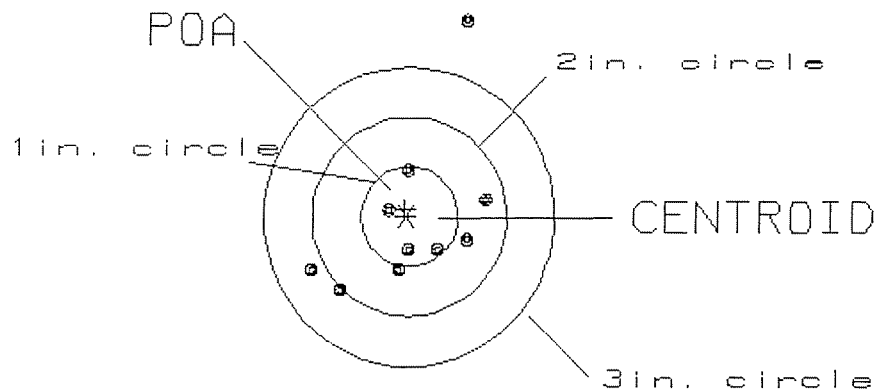
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .069
 MIN RADIUS : .241
 MEAN RADIUS : .772
 MAX RADIUS : 2.077
 CENTROID X : .010
 CENTROID Y : -.068

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413548

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 1.78

3

VS= 2.71

7

GS= 3.00

9

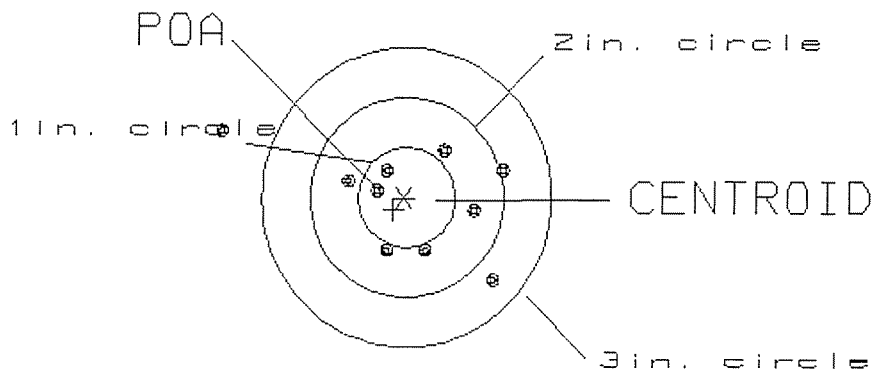
PATTERN #: 5

POA TO CENTROID: .164
 MIN RADIUS : .317
 MEAN RADIUS : .795
 MAX RADIUS : 2.000
 CENTROID X : .106
 CENTROID Y : .125

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413548

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.88
 VS= 1.58
 GS= 3.17

2
 7
 9