

G-646 1615
Rephased
E 641 3496

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461615.__0
FILE DATE AND TIME: 09/16/2005 09:32

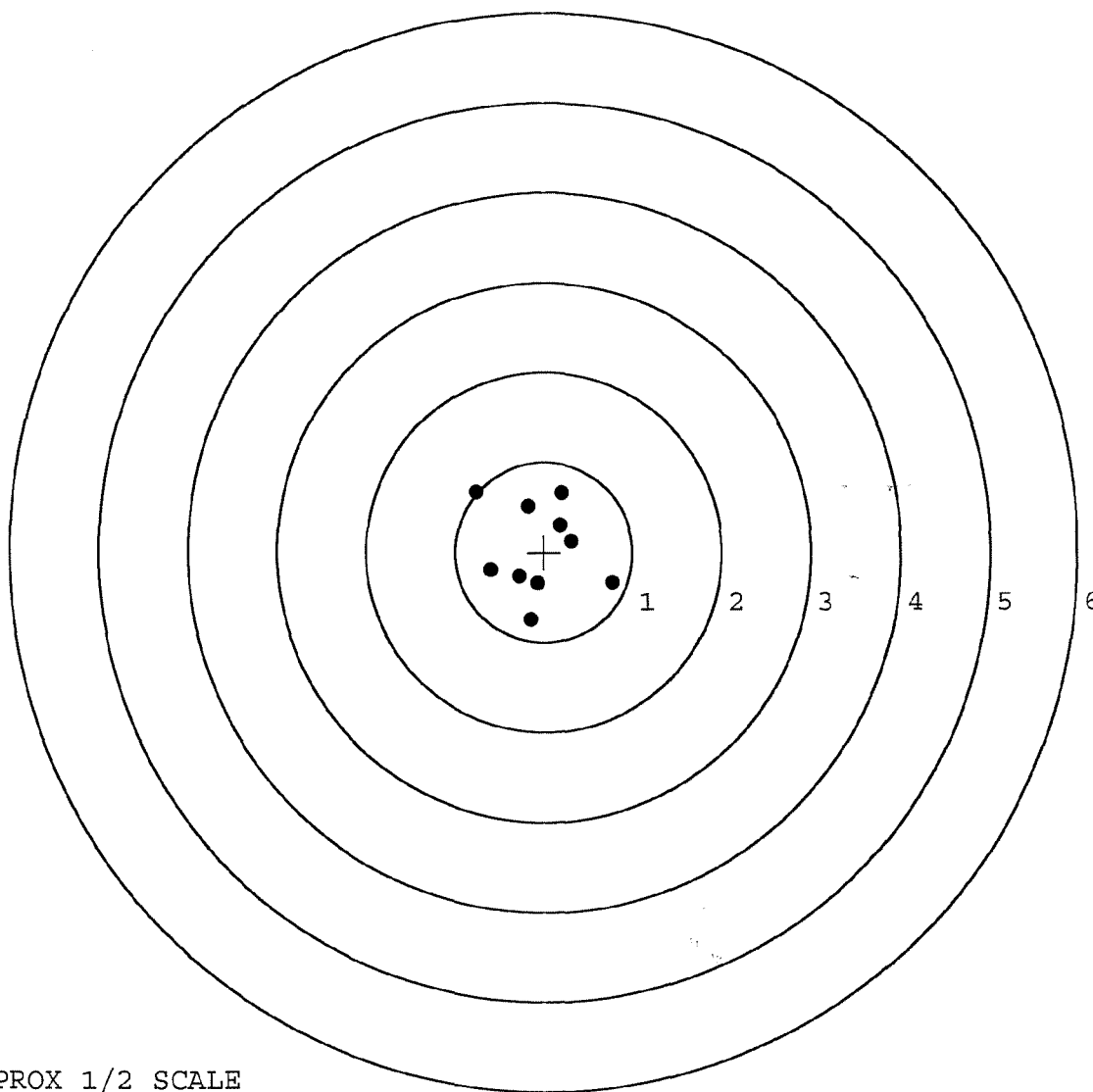
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.003
The Average Y Centroid of the Five Target Set:	0.095
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	0.772
The Distance from POA to Centroid Target #1:	0.071
The Distance from Centroid Target #2 to Centroid Target #1:	0.166
The Distance from Centroid Target #3 to Centroid Target #1:	0.022
The Distance from Centroid Target #4 to Centroid Target #1:	0.279
The Distance from Centroid Target #5 to Centroid Target #1:	0.492

SERIAL NUMBER: G6461615. __0
TARGET NUMBER: 1
FILE DATE: 09/16/2005
FILE TIME: 09:32

X CENTROID: -0.061
Y CENTROID: 0.036
POA TO CENTROID: 0.071
HORZ SPREAD: 1.528
VERT SPREAD: 1.428
GROUP SPREAD: 1.831
MIN RADIUS: 0.360
MAX RADIUS: 0.944
MEAN RADIUS: 0.591
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.767	-0.339
2:	-0.155	-0.758
3:	-0.077	-0.350
4:	-0.286	-0.270
5:	-0.600	-0.194
6:	-0.761	0.670
7:	0.194	0.656
8:	0.310	0.129
9:	0.179	0.305
10:	-0.180	0.513



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461615. 0

TARGET NUMBER: 2

FILE DATE: 09/16/2005

FILE TIME: 09:32

X CENTROID: -0.198

Y CENTROID: 0.130

POA TO CENTROID: 0.237

HORZ SPREAD: 2.819

VERT SPREAD: 3.948

GROUP SPREAD: 4.091

MIN RADIUS: 0.405

MAX RADIUS: 2.153

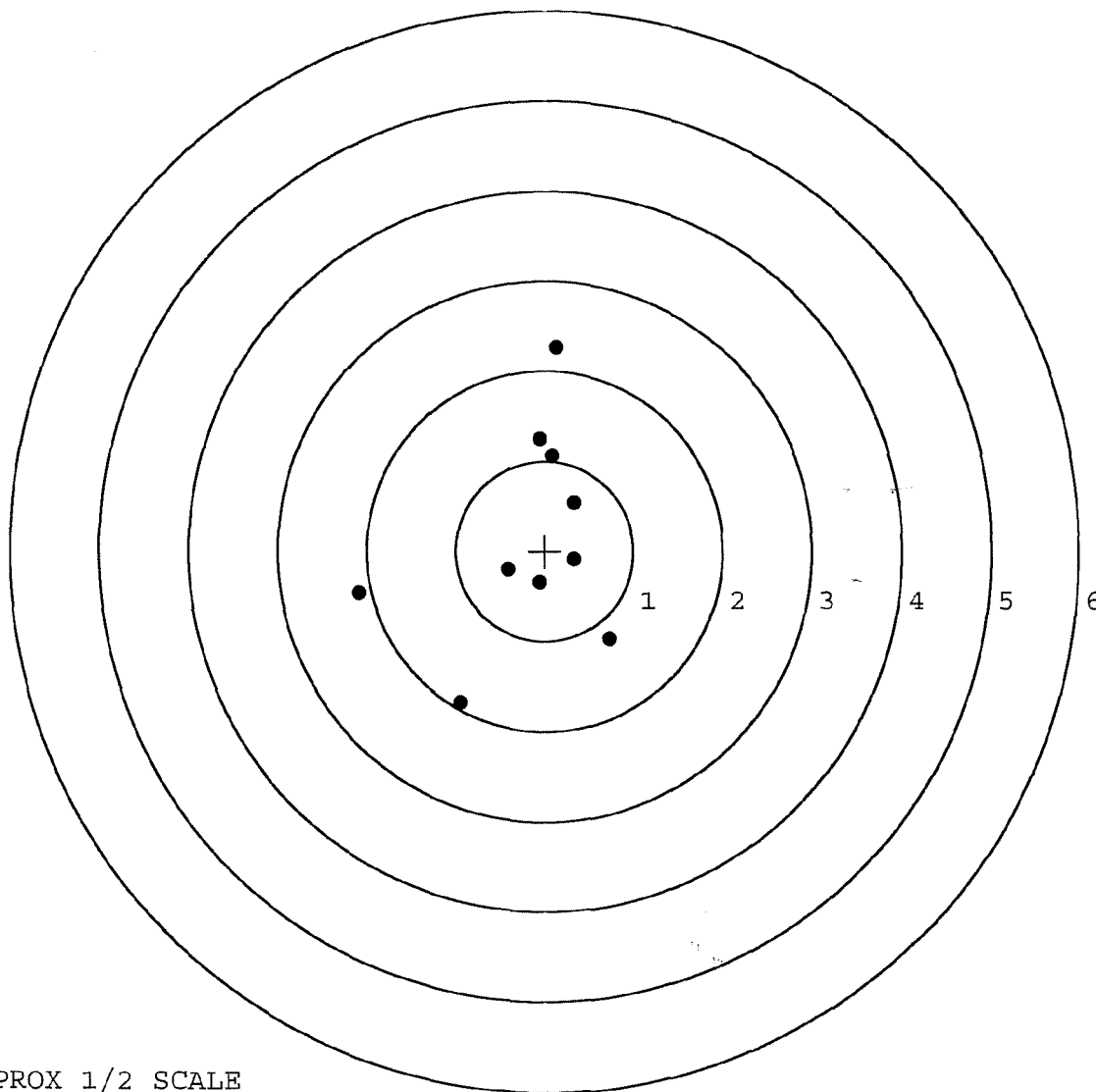
MEAN RADIUS: 1.178

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	-0.060	1.242
2:	0.081	1.054
3:	0.328	0.539
4:	0.328	-0.098
5:	-0.063	-0.349
6:	-0.419	-0.209
7:	0.730	-0.980
8:	-0.944	-1.690
9:	-2.089	-0.467
10:	0.127	2.258



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461615. 0

TARGET NUMBER: 3

FILE DATE: 09/16/2005

FILE TIME: 09:32

POINT#	X	Y
1:	-0.416	1.325
2:	-0.226	0.762
3:	0.015	0.343
4:	-0.472	0.218
5:	-0.661	-0.129
6:	0.100	-1.475
7:	0.360	-0.603
8:	0.639	-0.342
9:	0.172	-0.149
10:	-0.168	0.196

X CENTROID: -0.066

Y CENTROID: 0.015

POA TO CENTROID: 0.067

HORZ SPREAD: 1.300

VERT SPREAD: 2.800

GROUP SPREAD: 2.847

MIN RADIUS: 0.208

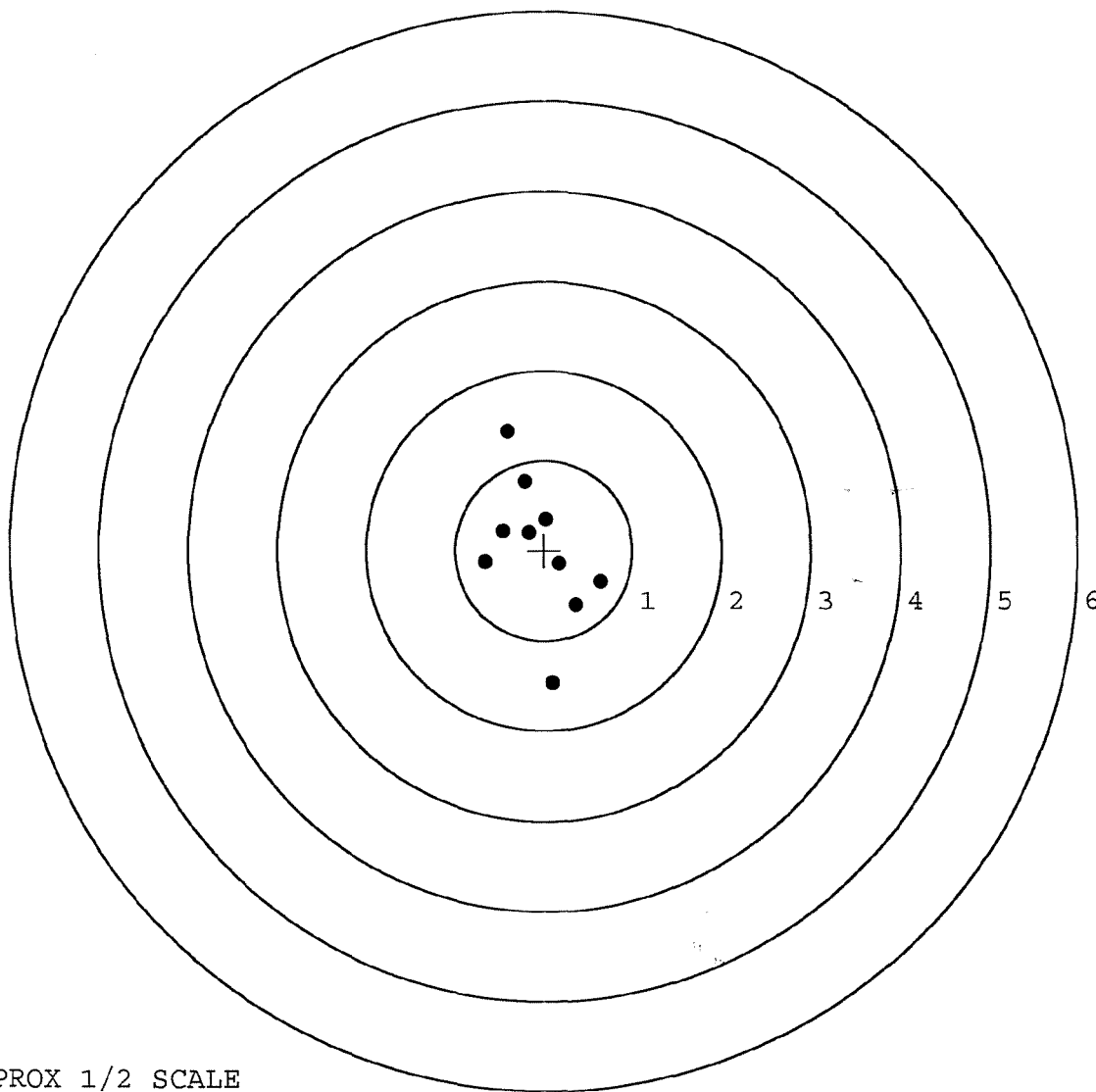
MAX RADIUS: 1.499

MEAN RADIUS: 0.706

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461615. __0

TARGET NUMBER: 4

FILE DATE: 09/16/2005

FILE TIME: 09:32

X CENTROID: 0.127

Y CENTROID: -0.170

POA TO CENTROID: 0.212

HORZ SPREAD: 2.087

VERT SPREAD: 1.751

GROUP SPREAD: 2.282

MIN RADIUS: 0.174

MAX RADIUS: 1.393

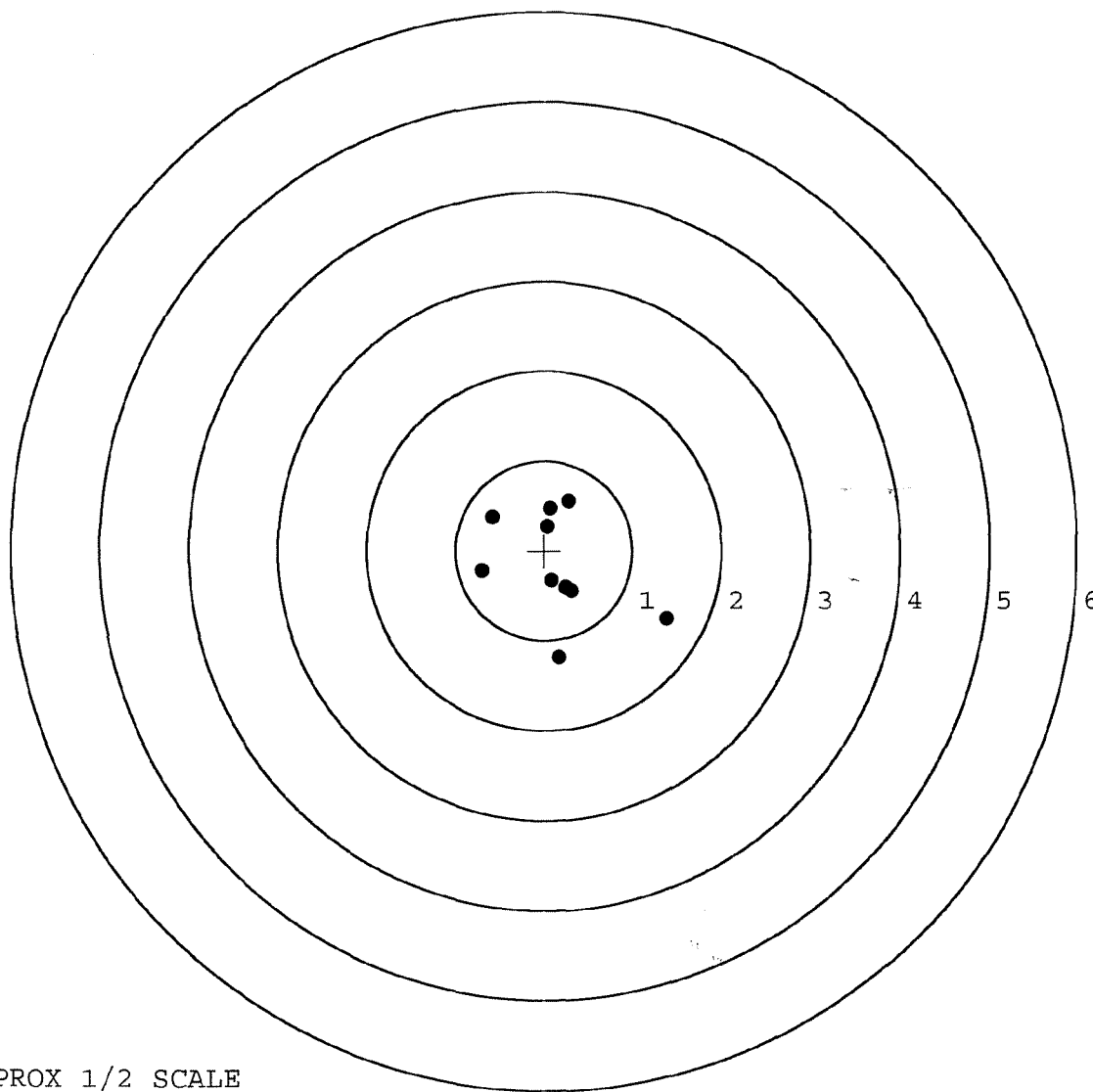
MEAN RADIUS: 0.676

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.276	0.555
2:	0.061	0.467
3:	0.028	0.273
4:	-0.589	0.379
5:	-0.701	-0.221
6:	0.082	-0.338
7:	0.307	-0.448
8:	0.172	-1.196
9:	1.386	-0.765
10:	0.244	-0.409

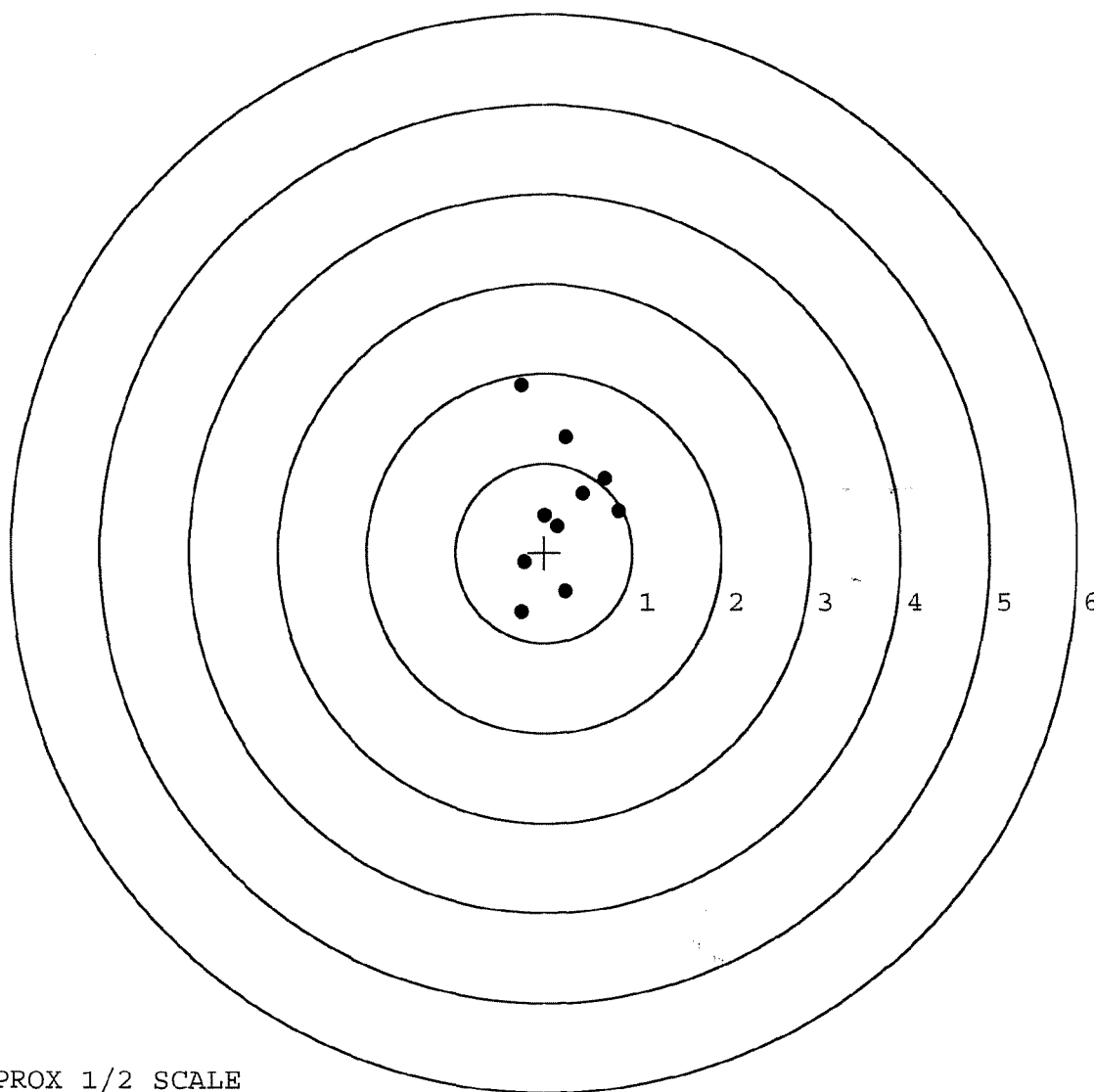


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461615. 0
TARGET NUMBER: 5
FILE DATE: 09/16/2005
FILE TIME: 09:32

X CENTROID: 0.182
Y CENTROID: 0.464
POA TO CENTROID: 0.499
HORZ SPREAD: 1.106
VERT SPREAD: 2.532
GROUP SPREAD: 2.532
MIN RADIUS: 0.173
MAX RADIUS: 1.474
MEAN RADIUS: 0.709
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.681	0.830
2:	0.438	0.666
3:	0.002	0.419
4:	0.143	0.296
5:	-0.233	-0.111
6:	-0.266	-0.662
7:	0.238	-0.431
8:	0.840	0.467
9:	0.243	1.300
10:	-0.262	1.870



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 7-12-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.54	2.83		2.74	
PULL #2	2.57	2.96		2.70	
PULL #3	2.62	2.52		2.10	
PULL #4	2.77	2.43		2.71	
PULL #5	2.91	2.38		2.71	
TOTAL	13.41	13.12		13.56	
AVERAGE	2.68	2.62		2.71	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	3.26		
PULL #2	3.18	3.38		
PULL #3	3.16	2.97		
PULL #4	3.43	3.08		
PULL #5	3.32	3.14		
TOTAL	16.23	15.83		
AVERAGE	3.24	3.16		

	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	4.51	4.03		4.17
PULL #2	4.08	4.20		4.77
PULL #3	4.13	3.79		4.27
PULL #4	4.41	4.40		4.27
PULL #5	4.37	3.76		4.08
TOTAL	21.50	20.18		21.56
AVERAGE	4.30	4.03		4.31

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

R & E NUMBER	100194		
SERIAL NUMBER	E60413496 (606461615) (New)		
LOG-IN DATE	8-26-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-29-05	RTL
560 A	RE-BARREL	8-29-05	RTL
B	DRILL AND TAP	8-30-05	TRW
575	ASSEMBLE	8-30-05	RTL
600	PROOF	8-29-05	TRW
605	CHECK HEADSPACE	8-29-05	RTL
610	DIS-ASSEMBLE GUN	8-30-05	RTL
612	MAGNAFLUX	8-30-05	CW
615	ROLLMARK CALIBER	8-30-05	LB
618	ROTO-BLAST	9-10-05	WJ
620	APPLY COATINGS	9-14-05	RTL
625 A	FINAL ASSEMBLY	9-21-05	Ac
B	TRIGGER PULL TEST	9-21-05	Ac
C	SAFETY "ON" FORCE	9-21-05	Ac
D	SAFETY "OFF" FORCE	9-21-05	Ac
E	FIRING PIN INDENT	9-21-05	Ac
640	TARGET	9-16-05	TRW
655	FINAL INSPECT	9-21-05	Ac
660	PACK	9-22-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Arms Services Repair & Estimate System

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

Repair Inquiry

Repair Number: **RE00028681** Serial: C6413496 Model 700 Center Fire Caliber 7.62 NATO M-24 (SWS) Repairman: Status: Closed 6/18/01 1:07:17 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **DFEL STORAGE SECTION** **DFEL STORAGE SECTION**

Address 1: **BLDG 490** **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

Condition: **Poor**

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A008	With Swivel	1
A010	Hard Case	1
A026	Scope	1

Repair Search Refresh Close

6/18/01 2:33 PM CAPS NUM INS SCFL

Start Inb Ar Mi Am Par Fre La SA 2:33 PM

Serial Number: **C6413496**

Model: **700**



RE00028681

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6413496 .
9 Jul 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0744
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.087
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .114474

THE AMR FOR THIS RIFLE IS: 1.081

CENTROIDAL DISTANCES

0 TO 1	.338733
1 TO 2	.405031
1 TO 3	.404949
1 TO 4	.264464
1 TO 5	.44062

3²₄ 5<----POA
1

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .339

MIN RADIUS : .328

MEAN RADIUS : 1.170

MAX RADIUS : 2.793

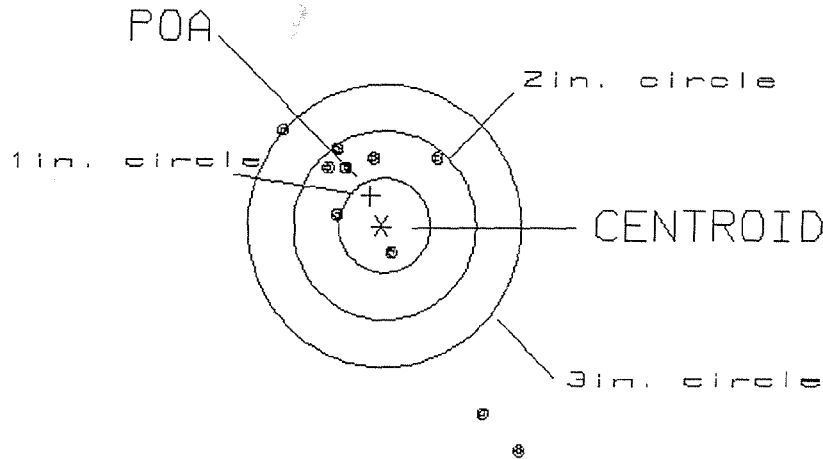
CENTROID X : .122

CENTROID Y : -.316

9 Jul 2001

FILE://Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413496

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.65

1

VS= 3.35

6

GS= 4.27

7

REMINGTON CENTERFIRE ACCURACY TEST

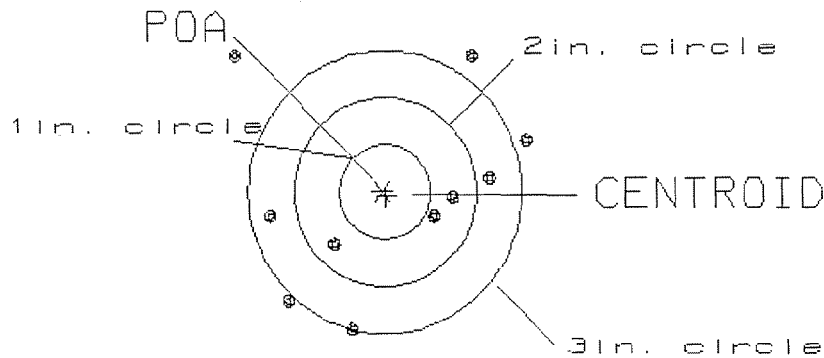
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 2
 POA TO CENTROID: .069
 MIN RADIUS : .573
 MEAN RADIUS : 1.309
 MAX RADIUS : 2.190
 CENTROID X : -.045
 CENTROID Y : .053

9 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6413496

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.16
 VS= 2.91
 GS= 3.31

0
 3
 6

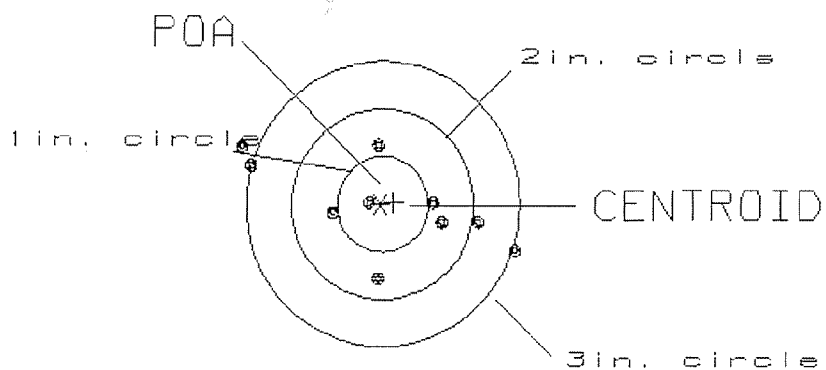
PATTERN #: 3

POA TO CENTROID: .151
 MIN RADIUS : .148
 MEAN RADIUS : .925
 MAX RADIUS : 1.691
 CENTROID X : -.150
 CENTROID Y : -.016

9 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413496

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.07

1

VS= 1.37

6

GS= 3.28

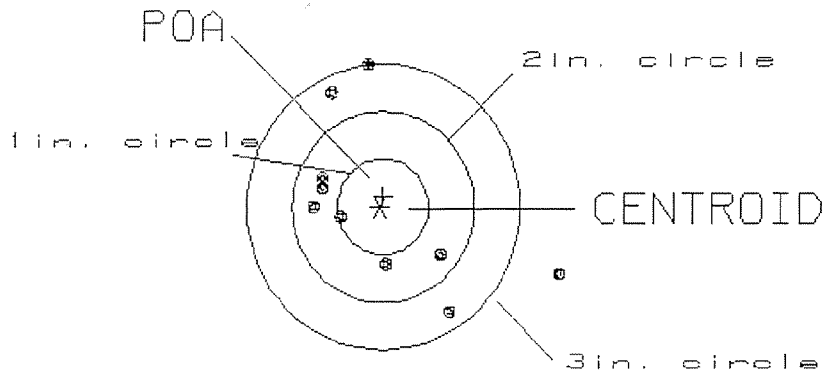
7

PATTERN #: 4
 POA TO CENTROID: .106
 MIN RADIUS : .468
 MEAN RADIUS : 1.031
 MAX RADIUS : 2.055
 CENTROID X : -.032
 CENTROID Y : -.101

9 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413496

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.72
 VS= 2.54
 GS= 3.11

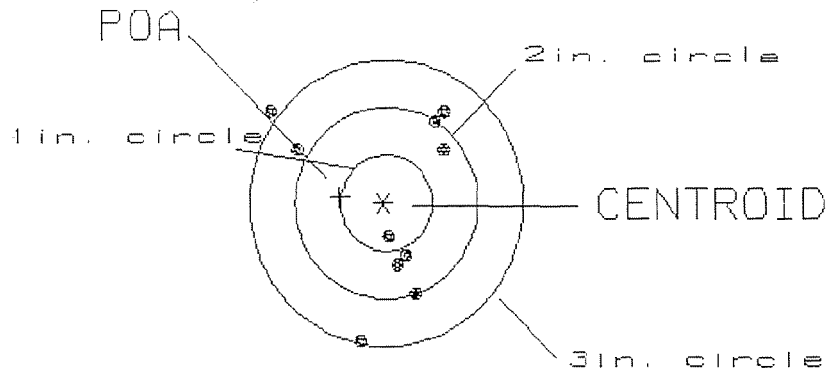
1
 6
 9

PATTERN #: 050
 POA TO CENTROID: .480
 MIN RADIUS : .338
 MEAN RADIUS : .969
 MAX RADIUS : 1.573
 CENTROID X : .477
 CENTROID Y : -.055

9 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/ef6413496

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.91
 VS= 2.39
 GS= 2.56

1
 5
 9