

66738610
Replaces

66461738

Oxford. NO. 752 1/3
420/

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: RE00164614

Serial: G6461738 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 3/16/2009 10:19:02 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: ITT SYSTEMS SECURED WAREHOUSE

ITT SYSTEMS SECURED WAREHOUSE

Address 1: UPTON AVENUE

UPTON AVENUE

Address 2: BUILDING 490

PO Box:

BUILDING 490

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

Fair

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	2
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1

Received

Received

Received

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Received

thing to Bill

Refresh

Close

Repair Search

Refresh

Close

negleij

3/16/2009

11:53 AM

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Microsoft...

Exdate News...

Arms Services...

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G6738610

~~G6461738~~

Model: M24 SWS



RE00164614

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

R & E NUMBER <u>164614</u>			
SERIAL NUMBER <u>G6738610</u>			
LOG-IN DATE <u>3-16-09</u>			

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	3-18-09	RTZ
505	RE-BARREL	3-18-09	RTZ
420	ASSEMBLE	3-18-09	RTZ
440	PROOF	3-19-09	TL
460	CHECK HEADSPACE	3-19-09	TL
470	DIS-ASSEMBLE GUN	3-19-09	RTZ
480	MAGNAFLUX	3-20-09	RTZ
510	DRILL AND TAP	3-19-09	RT
500	ROLLMARK CALIBER	3-24-09	RT
520	GOFF BLAST BBL / REC	3-24	BT
530 & 540	APPLY COATINGS	3-31	
560	FINAL ASSEMBLY	4-6-09	RTZ
640	FUNCTION TEST AND	4-6-09	RTZ
650	TARGET	4-6-09	RTZ
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	4-6-09	RP
	A) HEADSPACE	4-8-09	RTZ
	B) TRIGGER PULL	4-8-09	RTZ
680	F) SAFETY ON FORCE	4-8-09	RTZ
	G) SAFETY OFF FORCE	4-8-09	RTZ
	I) FIRING PIN INDENT	4-8-09	RTZ
690	PACK	4-9-09	Frj

F006 REV 1/2009

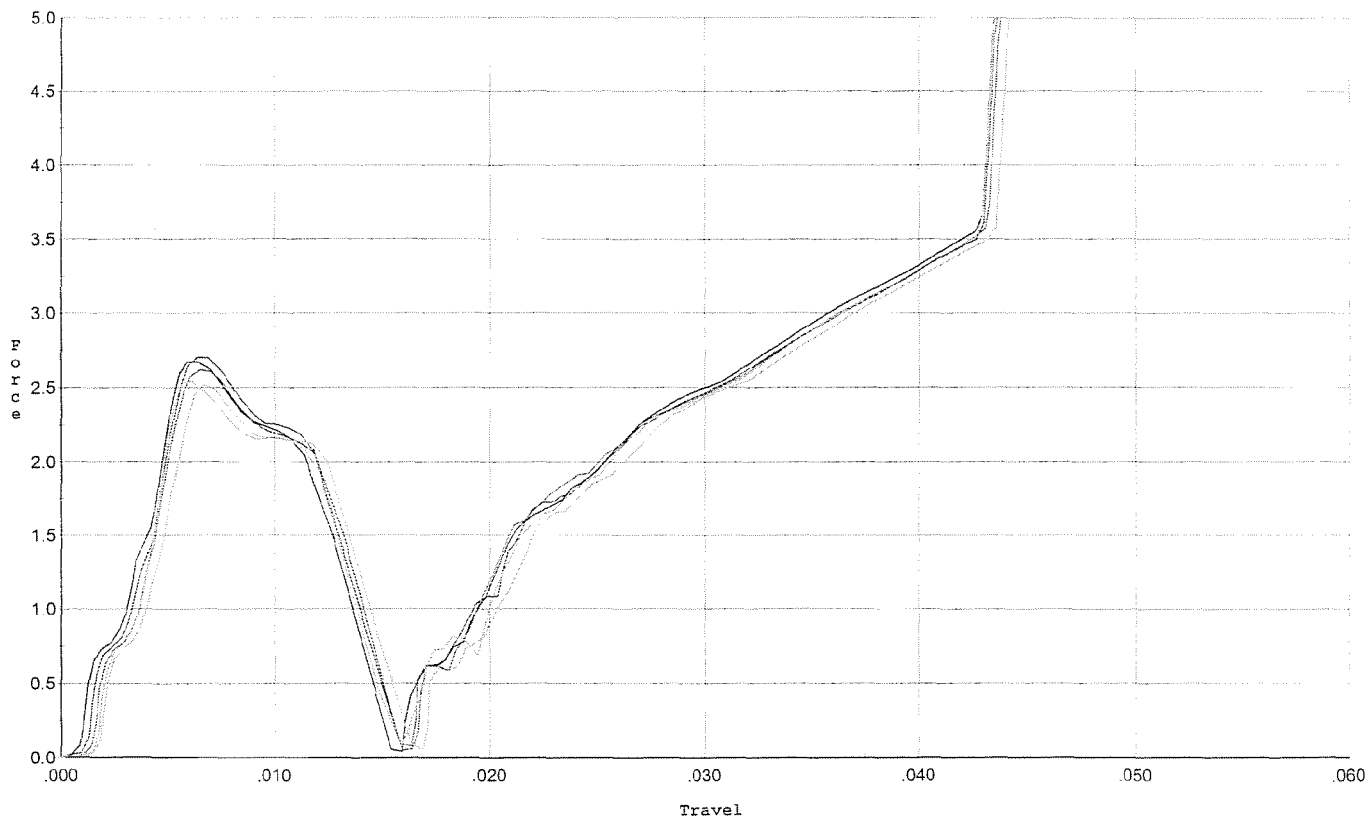
MAINTENANCE REQUEST			PG NO 1		NO PGS 1		REQMT CONTROL SYMBOL WON 2L58LA900095 902903						
CUSTOMER DATA							MAINTENANCE ACTIVITY DATA						
UIC CUST W2L58L			CUSTOMER UNIT NAME HHC 2/29 INF. REGT.				EVAC WON 902903		SHOP I		PHONE NO 4-2823		
PHONE NO (706)544-1476			SAMS-2 UIC W2L5AA		UTIL CD K		UIC SUPPORT W6CR07		SUPPORT UNIT NAME ITT				
EQUIPMENT DATA													
MNT CD 1		ID A		NSN 012402136		MCSR S		FDD D		USAGECDE CURRENT USAGE 0			
MODEL M24RIFLE		NOUN RIFLE 7.62MM SNIP		ORG WON 2L58LA900095		QTY 1		PROJ CD 052Y		APC H9MF			
SER NO G6461738		PD 03		LEVEL WORK BF		ADMIN NO M24-19		IN WARRANTY N		ERC P			
Original						PD AUTHENTICATING SIGNATURE:							
													
MALFUNCTION DESCRIPTION/REMARKS: SHOT OUT													
TECHNICAL REFERENCES Poc Sgt R. K. # 544-2006													
TASK / PART REQUIREMENTS													
ACT CDE	TASK NO	ACT RQD	TASK DESCRIPTION					QTY RPR	WRK CTR	FAIL CODE	MH PROJ	M** E	
ACT CDE	TASK NO	ID	REQUIRED NSN / PART NUMBER	SFX CDE	QTY RQD	QTY ISSUE	NM CS	FAIL CODE	STORAGE LOC	INIT	\$COST		
TOTAL MANHOURS				TOTAL MANHOURS COST\$				TOTAL PARTS COST\$					
QTY RPR		QTY CONDEMN		QTY NRTS		EVAC WON			EVAC UNIT NAME				
SUBMITTED BY <i>Anthony R. K.</i>		ACCEPTED BY <i>J. S. Anderson</i>		WORK STARTED BY			INSPECTED BY			PICKED UP BY			
DATE 090700		STA A	ORD DATE 090700	MIL TIME 1000	STA	ORD DATE	MIL TIME	STA	ORD DATE	MIL TIME	STA	ORD DATE	MIL TIME

DA FORM 2407-E

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: C C Schults 3/17/2009

Model: M/24
 Serial No: Form #F005
 Trigger: 2.5 lbs ini +/- .50 lb



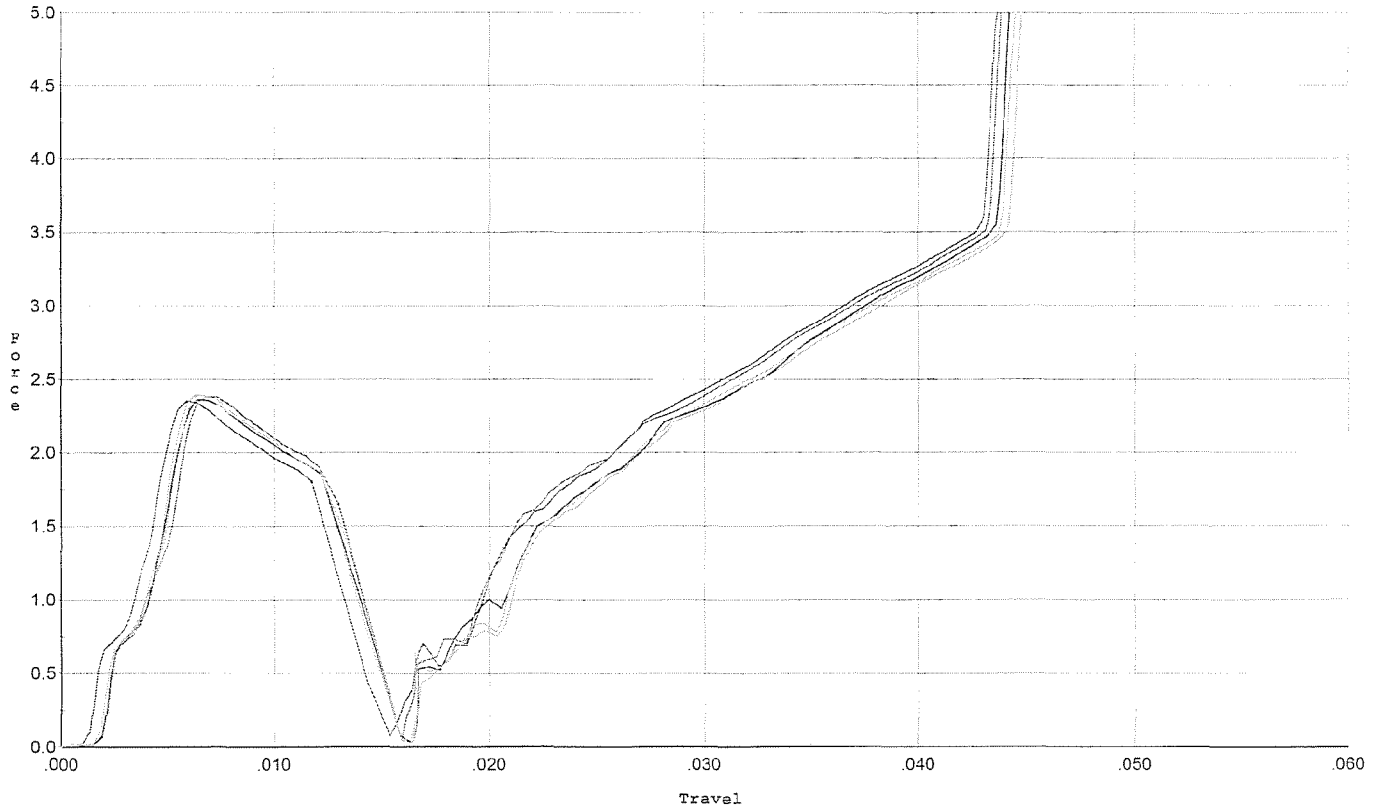
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.704	0.012	0.00	0.034	0.019		Set Trigger
2	2.672	0.013	0.00	0.034	0.021		Set Trigger
3	2.622	0.013	0.00	0.034	0.021		Set Trigger
4	2.518	0.012	0.00	0.034	0.018		Set Trigger
5	2.541	0.012	0.00	0.034	0.018		Set Trigger

A-2-61

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: C C Schults 3/17/2009

Model: M/24
Serial No: Form #F005
Trigger: 2.5 lbs after 50 cycles+/- .50 lb



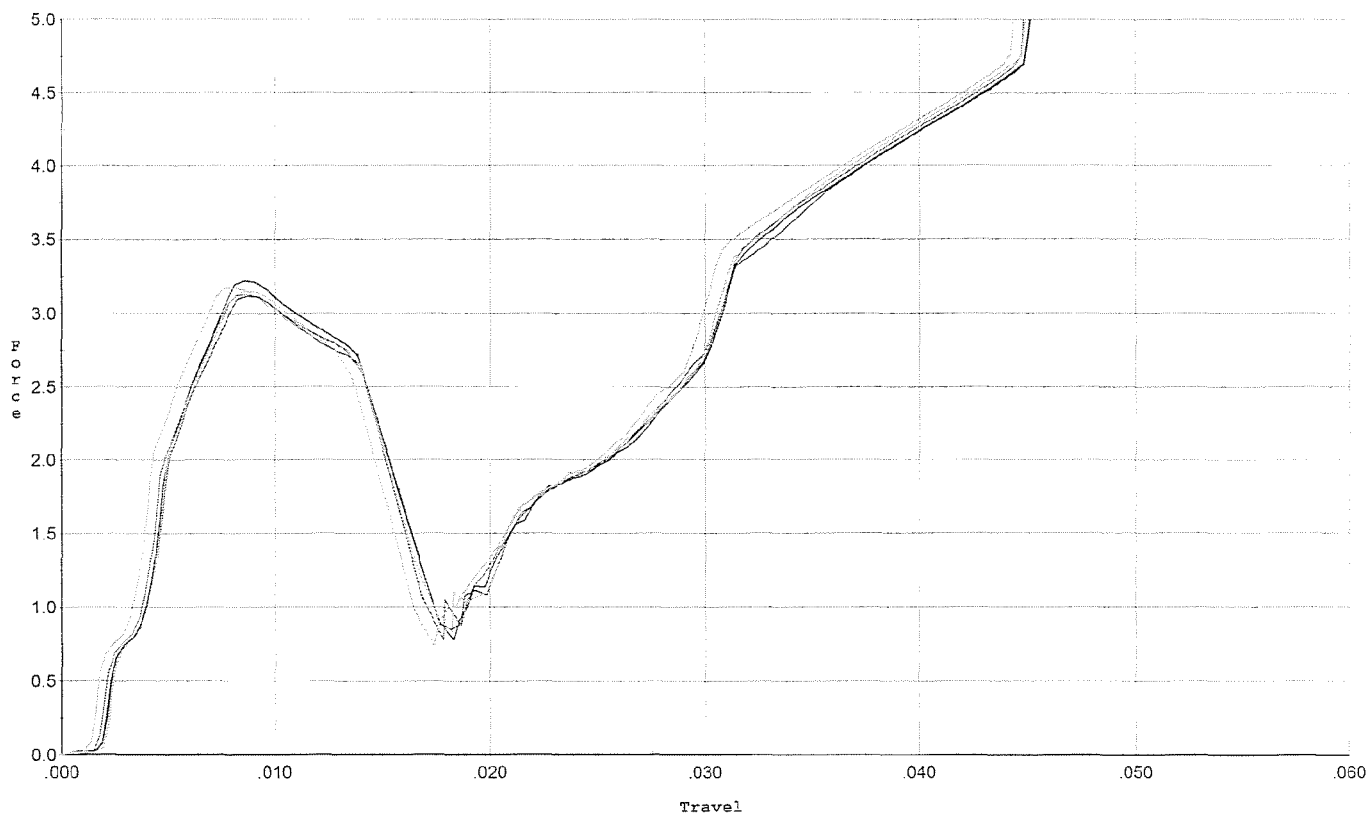
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.354	0.012	0.00	0.035	0.017		Set Trigger
2	2.363	0.014	0.002	0.034	0.019		Set Trigger
3	2.380	0.013	0.002	0.034	0.018		Set Trigger
4	2.399	0.012	0.002	0.035	0.017		Set Trigger
5	2.392	0.013	0.002	0.035	0.019		Set Trigger

A-2.37

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: C Schults 3/17/2009

Model: M/24
 Serial No: Form #F005
 Trigger: 3.0 lbs ini +/- .75 lb



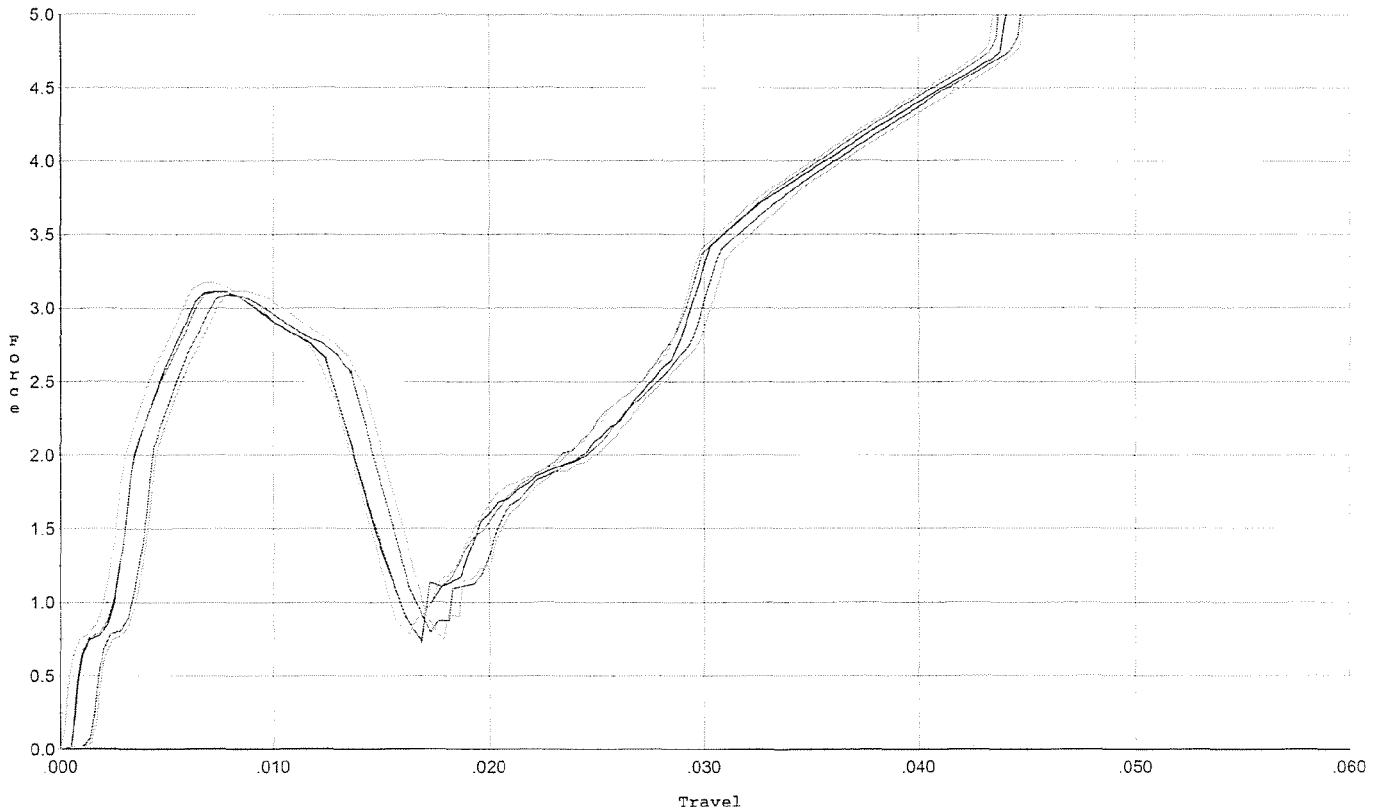
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.120	0.016	0.002	0.031	0.030		Set Trigger
2	3.224	0.014	0.002	0.032	0.027		Set Trigger
3	3.130	0.014	0.002	0.031	0.027		Set Trigger
4	3.148	0.014	0.002	0.031	0.027		Set Trigger
5	3.173	0.014	0.00	0.031	0.027		Set Trigger

A-3.15

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: C Schults 3/17/2009

Model: M/24
Serial No: Form #F005
Trigger: 3.0 lbs after 20 cycles+/- .75 lb



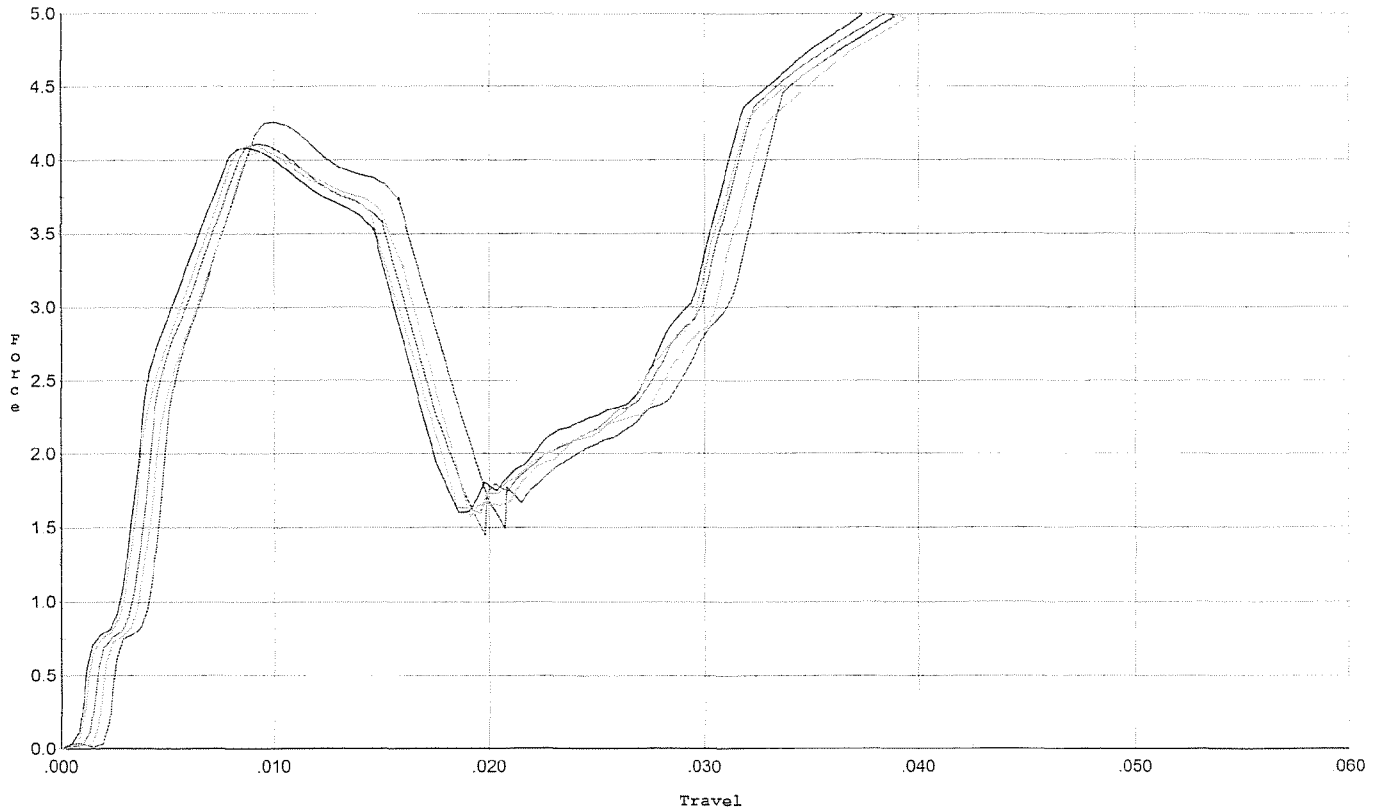
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.090	0.014	0.00	0.032	0.027		Set Trigger
2	3.112	0.012	0.00	0.032	0.026		Set Trigger
3	3.113	0.012	0.00	0.032	0.026		Set Trigger
4	3.170	0.013	0.00	0.031	0.028		Set Trigger
5	3.118	0.014	0.00	0.031	0.028		Set Trigger

A-3-12

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: C Schults 3/17/2009

Model: M/24
Serial No: Form #F005
Trigger: 4.0 lbs ini +/- 1.0 lb



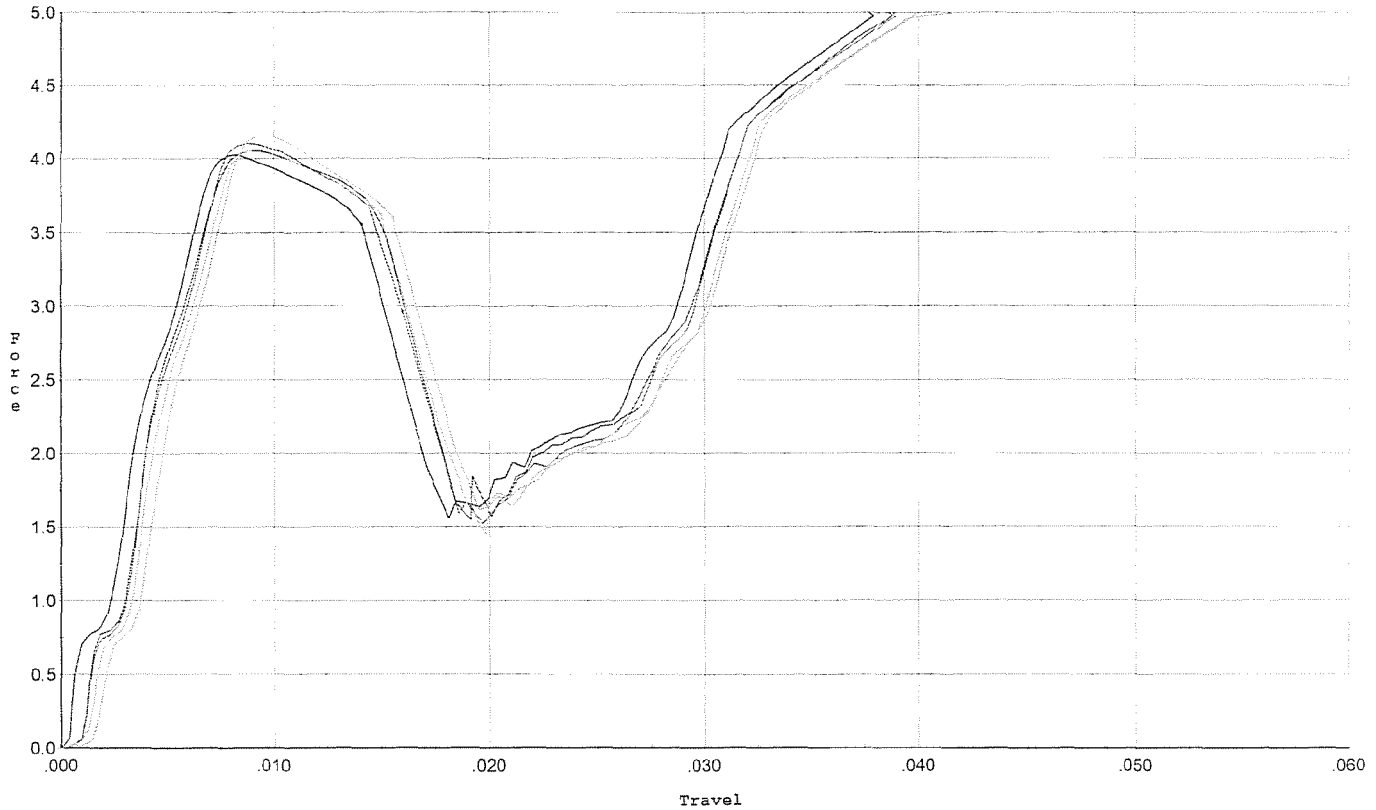
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.260	0.016	0.002	0.030	0.040		Set Trigger
2	4.086	0.015	0.00	0.030	0.039		Set Trigger
3	4.111	0.015	0.00	0.030	0.039		Set Trigger
4	4.055	0.016	0.00	0.029	0.040		Set Trigger
5	4.101	0.016	0.00	0.029	0.043		Set Trigger

A-4-12

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: C Schults 3/17/2009

Model: M/24
 Serial No: Form #F005
 Trigger: 4.0 lbs after 20 cycles+/- 1.0 lb



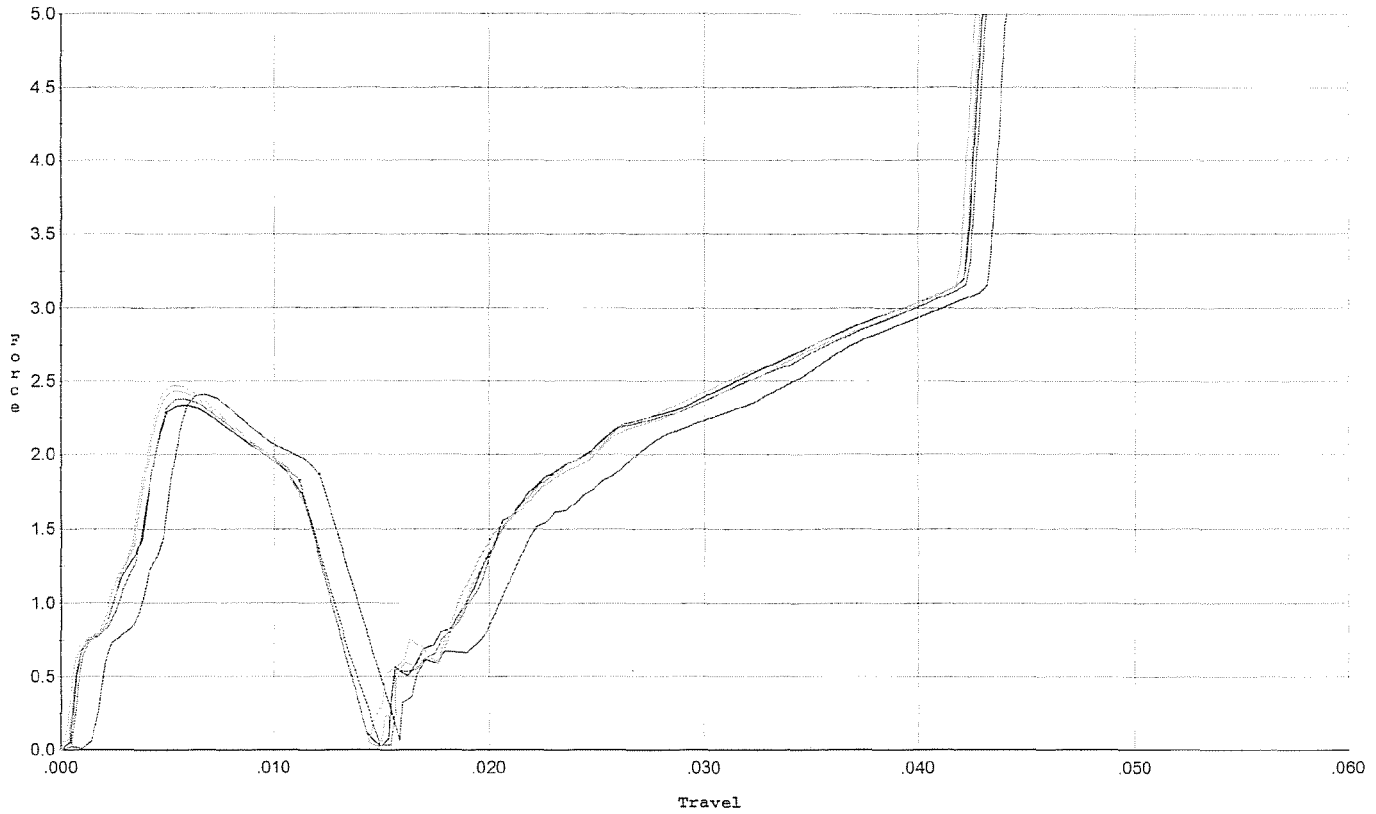
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.053	0.015	0.00	0.027	0.040		Set Trigger
2	4.028	0.014	0.00	0.027	0.037		Set Trigger
3	4.104	0.016	0.00	0.028	0.042		Set Trigger
4	4.062	0.015	0.00	0.028	0.038		Set Trigger
5	4.158	0.016	0.00	0.028	0.039		Set Trigger

A-4.05

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: C Schults 3/17/2009

Model: M/24
 Serial No: Form #F005
 Trigger: reset to 2.5 lbs +/- .50 lb for final test



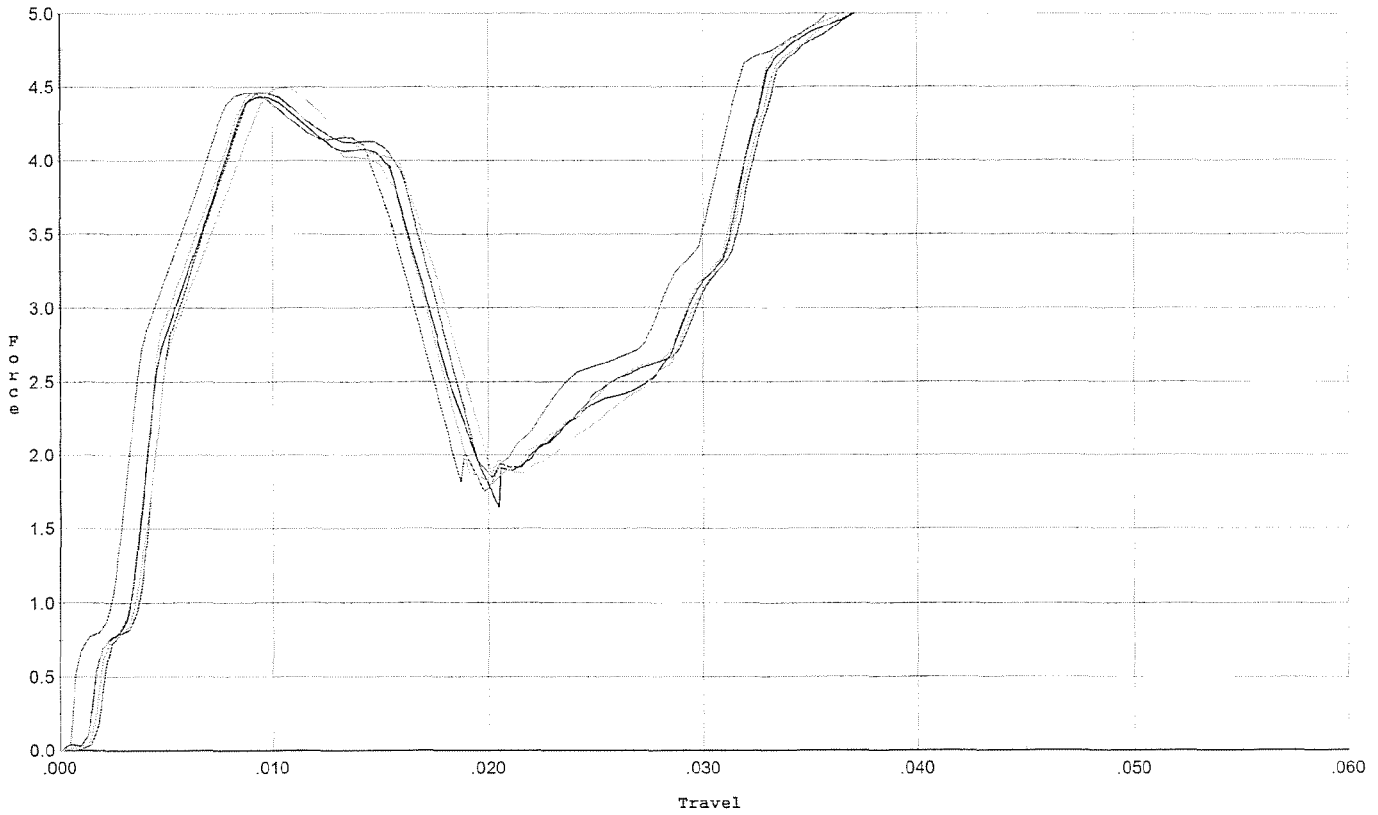
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.409	0.012	0.00	0.035	0.018		Set Trigger
2	2.332	0.011	0.00	0.034	0.018		Set Trigger
3	2.377	0.011	0.00	0.035	0.017		Set Trigger
4	2.472	0.011	0.00	0.034	0.019		Set Trigger
5	2.432	0.012	0.00	0.034	0.018		Set Trigger

A-2.40

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: C Schults 3/17/2009

Model: M/24
 Serial No: Form #F005
 Trigger: set to 4.0 lbs +/- 1.0 lb for target & accuracy



#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.458	0.016	0.00	0.024	0.044		Set Trigger
2	4.431	0.015	0.00	0.024	0.043		Set Trigger
3	4.458	0.016	0.00	0.023	0.046		Set Trigger
4	4.496	0.018	0.00	0.023	0.049		Set Trigger
5	4.472	0.016	0.00	0.024	0.044		Set Trigger

A-4-46

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6738610.___0
FILE DATE AND TIME: 04/08/2009 08:18

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.130
The Average Y Centroid of the Five Target Set:	0.038
The Average Point of Impact of the Five Target Set:	0.136
The Average Mean Radius of the Five Target Set:	0.809
The Distance from POA to Centroid Target #1:	0.024
The Distance from Centroid Target #2 to Centroid Target #1:	0.308
The Distance from Centroid Target #3 to Centroid Target #1:	0.226
The Distance from Centroid Target #4 to Centroid Target #1:	0.160
The Distance from Centroid Target #5 to Centroid Target #1:	0.143

SERIAL NUMBER: G6738610. __ 0

TARGET NUMBER: 1

FILE DATE: 04/08/2009

FILE TIME: 08:18

POINT#	X	Y
1:	-1.414	-0.633
2:	-0.281	1.606
3:	0.998	1.077
4:	0.367	0.335
5:	0.125	0.557
6:	0.573	-0.388
7:	0.366	-0.287
8:	-0.275	-0.141
9:	-0.256	-0.755
10:	-0.199	-1.134

X CENTROID: 0.000

Y CENTROID: 0.024

POA TO CENTROID: 0.024

HORZ SPREAD: 2.412

VERT SPREAD: 2.740

GROUP SPREAD: 2.741

MIN RADIUS: 0.321

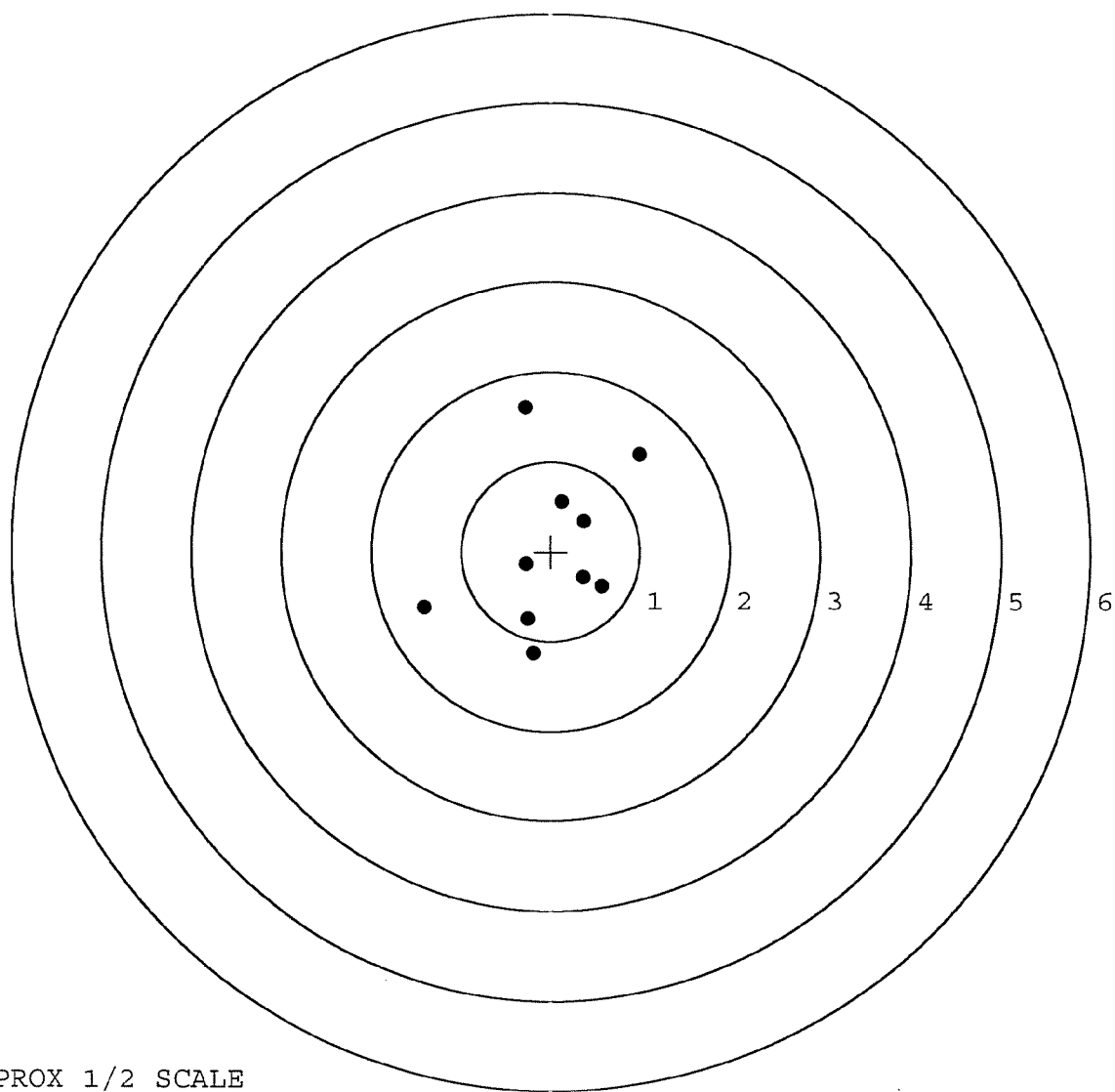
MAX RADIUS: 1.607

MEAN RADIUS: 0.915

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6738610. __0

TARGET NUMBER: 2

FILE DATE: 04/08/2009

FILE TIME: 08:18

POINT#	X	Y
1:	-2.067	0.378
2:	-0.526	-0.851
3:	-0.646	-0.112
4:	0.267	0.559
5:	0.007	0.277
6:	0.337	-0.013
7:	0.039	-0.088
8:	-0.195	-0.208
9:	-0.381	-0.076
10:	0.092	0.323

X CENTROID: -0.307

Y CENTROID: 0.019

POA TO CENTROID: 0.308

HORZ SPREAD: 2.404

VERT SPREAD: 1.410

GROUP SPREAD: 2.436

MIN RADIUS: 0.120

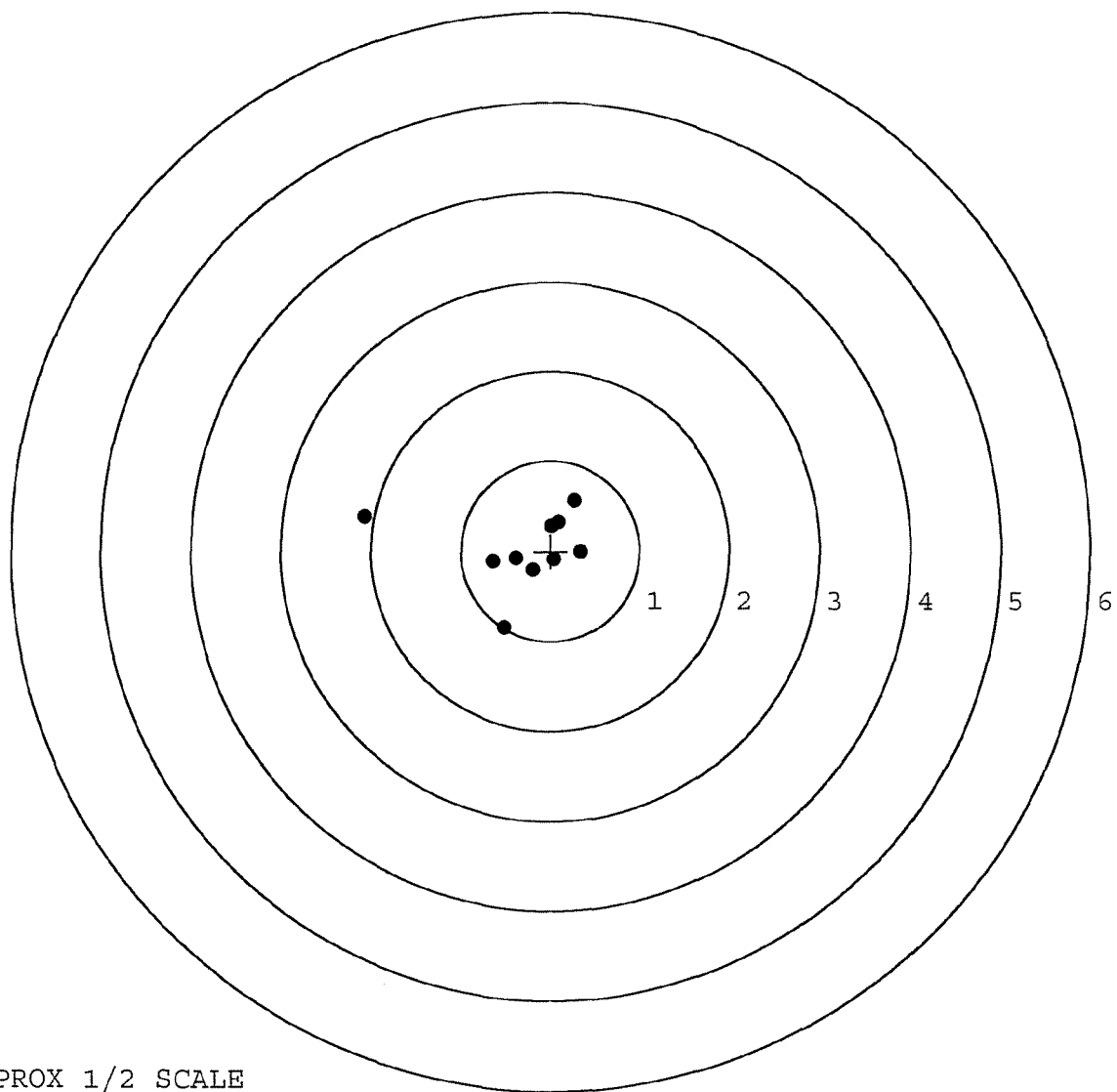
MAX RADIUS: 1.796

MEAN RADIUS: 0.613

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6738610. __0

TARGET NUMBER: 3

FILE DATE: 04/08/2009

FILE TIME: 08:18

POINT#	X	Y
1:	-1.562	1.665
2:	-1.449	1.015
3:	1.002	0.783
4:	1.420	-0.437
5:	1.037	-0.103
6:	-0.554	-0.397
7:	-0.099	-0.401
8:	-0.245	-0.198
9:	-0.052	0.279
10:	-0.368	0.116

X CENTROID: -0.087

Y CENTROID: 0.232

POA TO CENTROID: 0.248

HORZ SPREAD: 2.982

VERT SPREAD: 2.102

GROUP SPREAD: 3.648

MIN RADIUS: 0.058

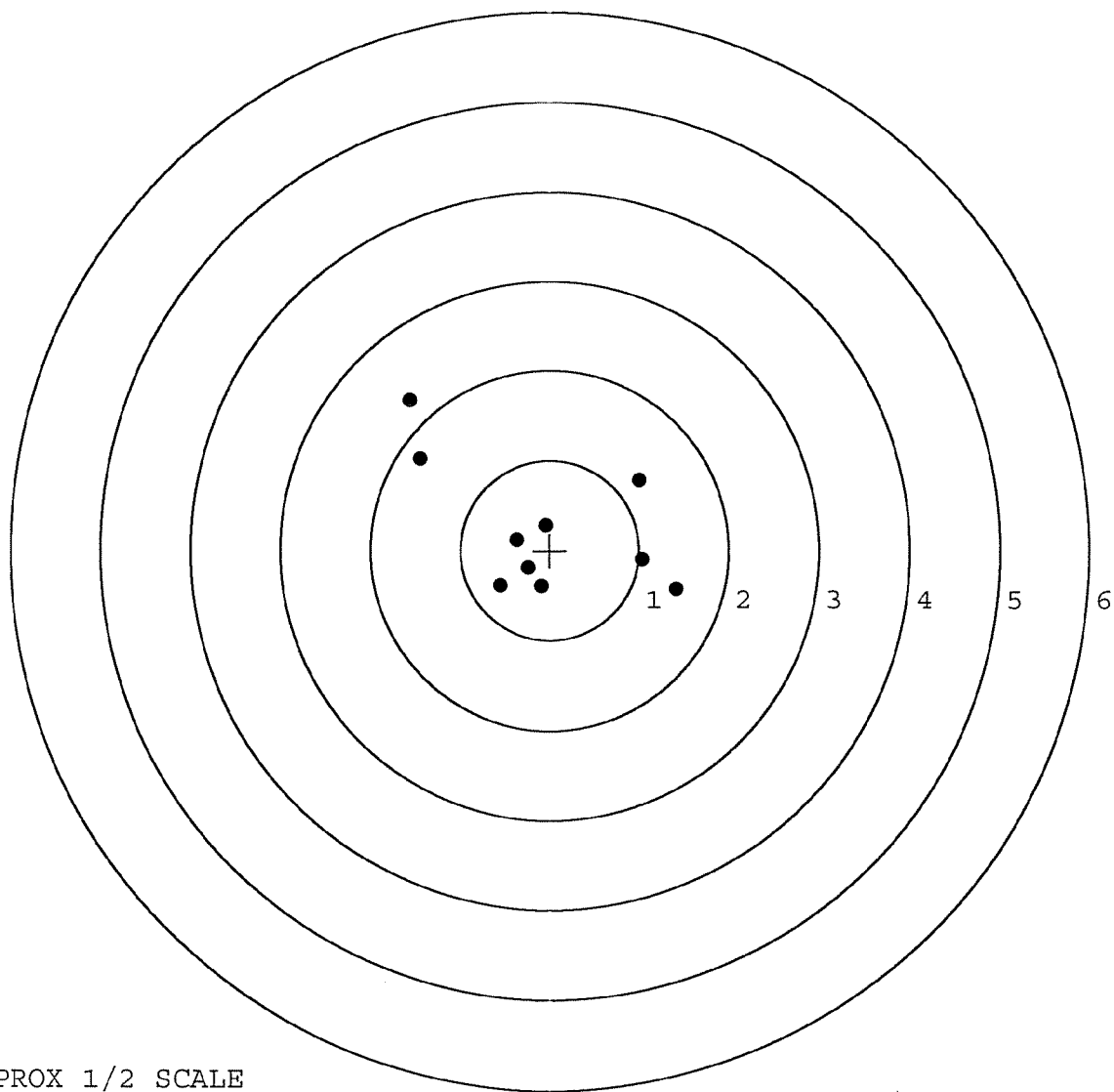
MAX RADIUS: 2.056

MEAN RADIUS: 0.991

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6738610. __0

TARGET NUMBER: 4

FILE DATE: 04/08/2009

FILE TIME: 08:18

POINT#	X	Y
1:	0.227	1.103
2:	0.491	0.677
3:	0.307	0.341
4:	0.173	0.160
5:	0.470	-0.420
6:	-0.076	-0.443
7:	0.073	-1.080
8:	-0.350	0.048
9:	-1.098	-0.371
10:	-1.380	-0.871

X CENTROID: -0.116

Y CENTROID: -0.086

POA TO CENTROID: 0.144

HORZ SPREAD: 1.871

VERT SPREAD: 2.183

GROUP SPREAD: 2.545

MIN RADIUS: 0.269

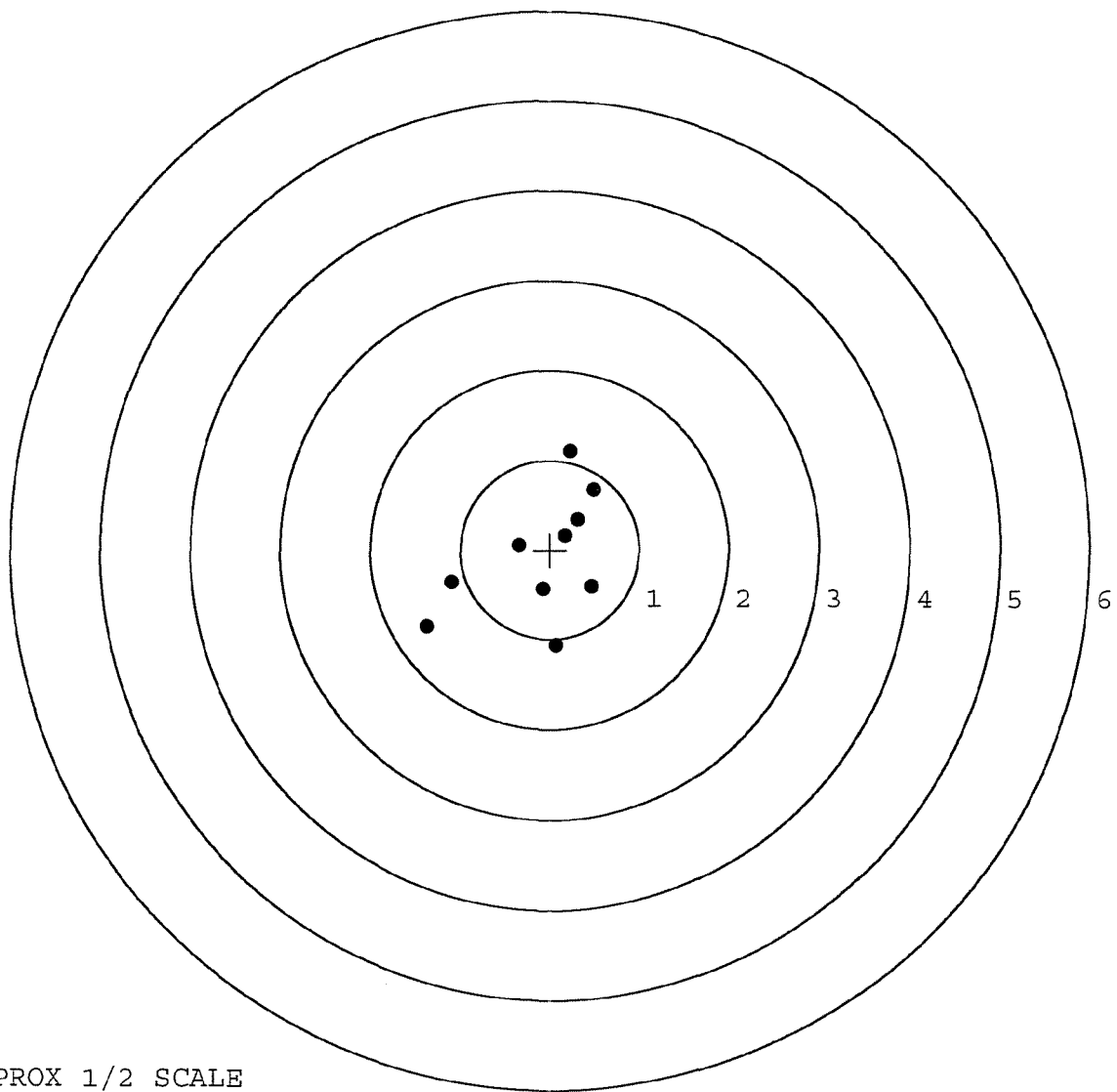
MAX RADIUS: 1.488

MEAN RADIUS: 0.802

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6738610. __0

TARGET NUMBER: 5

FILE DATE: 04/08/2009

FILE TIME: 08:18

POINT#	X	Y
1:	-0.005	0.020
2:	-0.099	-0.316
3:	0.324	0.050
4:	0.681	-0.142
5:	0.880	0.014
6:	0.662	0.648
7:	-0.280	0.176
8:	-0.939	-0.180
9:	-1.217	-0.326
10:	-1.413	0.056

X CENTROID: -0.141

Y CENTROID: 0.000

POA TO CENTROID: 0.141

HORZ SPREAD: 2.293

VERT SPREAD: 0.974

GROUP SPREAD: 2.293

MIN RADIUS: 0.137

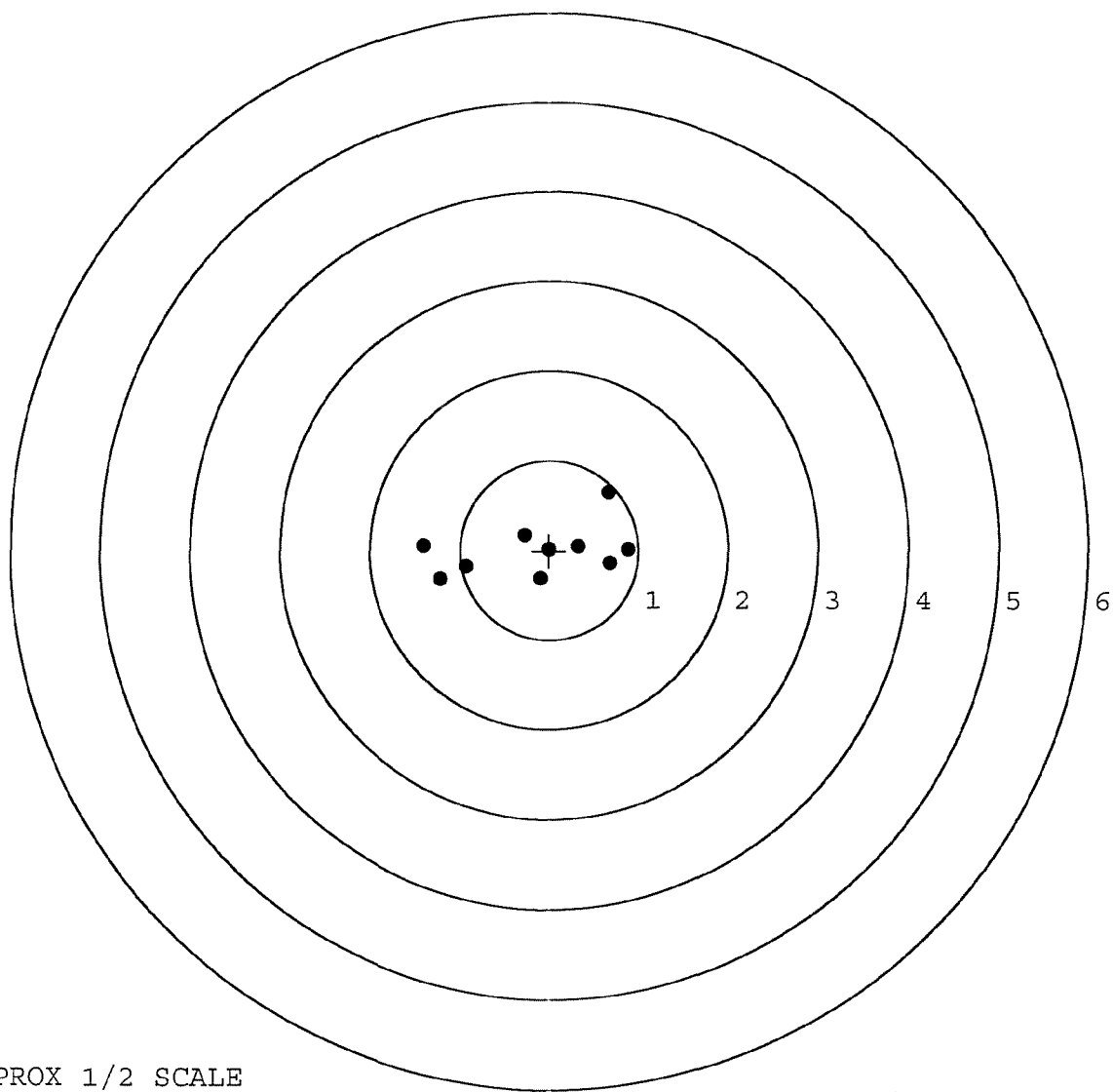
MAX RADIUS: 1.274

MEAN RADIUS: 0.725

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

- INSTRUCTION BOOK 3518

DD FORM

proof of purchase



owner registration sticker



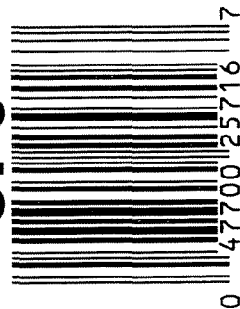
ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

G6461738

UPC



ORDER 25716

M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)

UPC



ORDER 25716

M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)

UPC



SERIAL NO.



CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400000952

M-24
INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G6461738

OP #	OPERATION NAME	READINGS	DATE	INITIAL
420 & 430	ASSEMBLE ACTION ASSEMBLE TO STOCK		9-16-05	RTZ
440	PROOF		9-20-05	RTZ
460	CHECK HEADSPACE	MAGNAFLUX	9-20-05	RTZ
470	DIS-ASSEMBLE ACTION	INSPECTED	9-21-05	RTZ
480 & 490	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT	480 OPERATOR units	9/23/05	units
500	ROLLMARK CALIBER		9-23-05	CW
510	DRILL AND TAP SIGHT HOLES		9-23-05	TRJ
520	GOFF BLAST BBL / REC		9-26-05	LB
530 & 540	APPLY COATINGS (BARREL ACTION)		10/4/05	RB
	(BOLT)		10/4/05	RB
560	RE-ASSEMBLE ACTION		10/6/05	units
	A) CLEAN INSIDE OF BOLT ASSEMBLY			
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		10/6/05	units
	C) INSPECT EJECTOR HOLE FOR CHAMFER		10/6/05	units
	D) OIL FIRING PIN ASSEMBLY		10-11-05	RTZ
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE	2.50 LBS +/- .5 LBS		

REV-8405

OP #	OPERATION NAME	READINGS	DATE	INITIAL
560	F) SAFETY ON FORCE 2 LBS MIN 10 LBS MAX	<u>6.5</u> <u>7.5</u> <u>6.5</u>	10/18/05	DA
CONT.				
	G) SAFETY OFF FORCE 2 LBS MIN	<u>2.5</u> <u>3.0</u> <u>2.5</u>	10/18/05	DA
	H) TRIGGER PULL TEST AND RETAINABILITY			
	I) FIRING PIN INDENT .020 MIN	<u>.023</u> <u>.023</u> <u>.024</u>	10/18/05	DA
	J) ASSEMBLE STOCK		10-11-05	RTZ
	K) ASSEMBLE SWIVEL STUDS		10-19-05	BC
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		10-14-05	Ac
	M) IRON SIGHT ALIGNMENT		10-14-05	Ac
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER		10-14-05	Ac
640 & 650	FUNCTION TEST AND TARGET	<u>PASS</u> FAIL <u>PASS</u> FAIL	10/17/05	MPJ
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
660	INSPECT FOR LIVE AMMO		10/17/05	S.a.f.
670	FINAL INSPECTION A) HEADSPACE		10-19-05	BC
	B) TRIGGER PULL +/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>2.48</u> <u>2.44</u> <u>2.52</u> <u>2.46</u> <u>2.62</u>	10-18-05	TRW
	C) FUNCTION		10-19-05	BC
690	PACK		10/28/05	DA

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 10-3-05

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.61	2.26		2.45	
PULL #2	2.74	2.64		2.57	
PULL #3	2.63	2.58		2.60	
PULL #4	2.59	2.56		2.68	
PULL #5	2.71	2.59		2.67	
TOTAL	13.28	12.63		12.98	
AVERAGE	2.65	2.52		2.59	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.12		
PULL #2	3.24	3.23		
PULL #3	3.27	3.25		
PULL #4	3.26	3.17		
PULL #5	3.28	3.19		
TOTAL	16.33	15.96		
AVERAGE	3.26	3.19		

	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	4.32	4.34		4.19
PULL #2	4.26	4.16		4.03
PULL #3	4.27	4.22		4.04
PULL #4	4.29	4.28		3.89
PULL #5	4.35	4.29		4.42
TOTAL	21.49	21.24		20.57
AVERAGE	4.29	4.24		4.11

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461738.___0
FILE DATE AND TIME: 10/17/2005 18:17

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.206
The Average Y Centroid of the Five Target Set:	-0.225
The Average Point of Impact of the Five Target Set:	0.305
The Average Mean Radius of the Five Target Set:	0.824
The Distance from POA to Centroid Target #1:	0.371
The Distance from Centroid Target #2 to Centroid Target #1:	0.498
The Distance from Centroid Target #3 to Centroid Target #1:	0.511
The Distance from Centroid Target #4 to Centroid Target #1:	0.081
The Distance from Centroid Target #5 to Centroid Target #1:	0.298

SERIAL NUMBER: G6461738. __0

TARGET NUMBER: 1

FILE DATE: 10/17/2005

FILE TIME: 18:17

POINT#	X	Y
1:	0.003	-0.007
2:	-0.073	-0.447
3:	-0.071	-0.449
4:	-0.450	-0.623
5:	-0.384	-1.127
6:	0.928	-0.840
7:	0.928	-0.842
8:	0.450	0.248
9:	0.344	0.378
10:	0.299	0.571

X CENTROID: 0.197

Y CENTROID: -0.314

POA TO CENTROID: 0.371

HORZ SPREAD: 1.378

VERT SPREAD: 1.698

GROUP SPREAD: 1.830

MIN RADIUS: 0.301

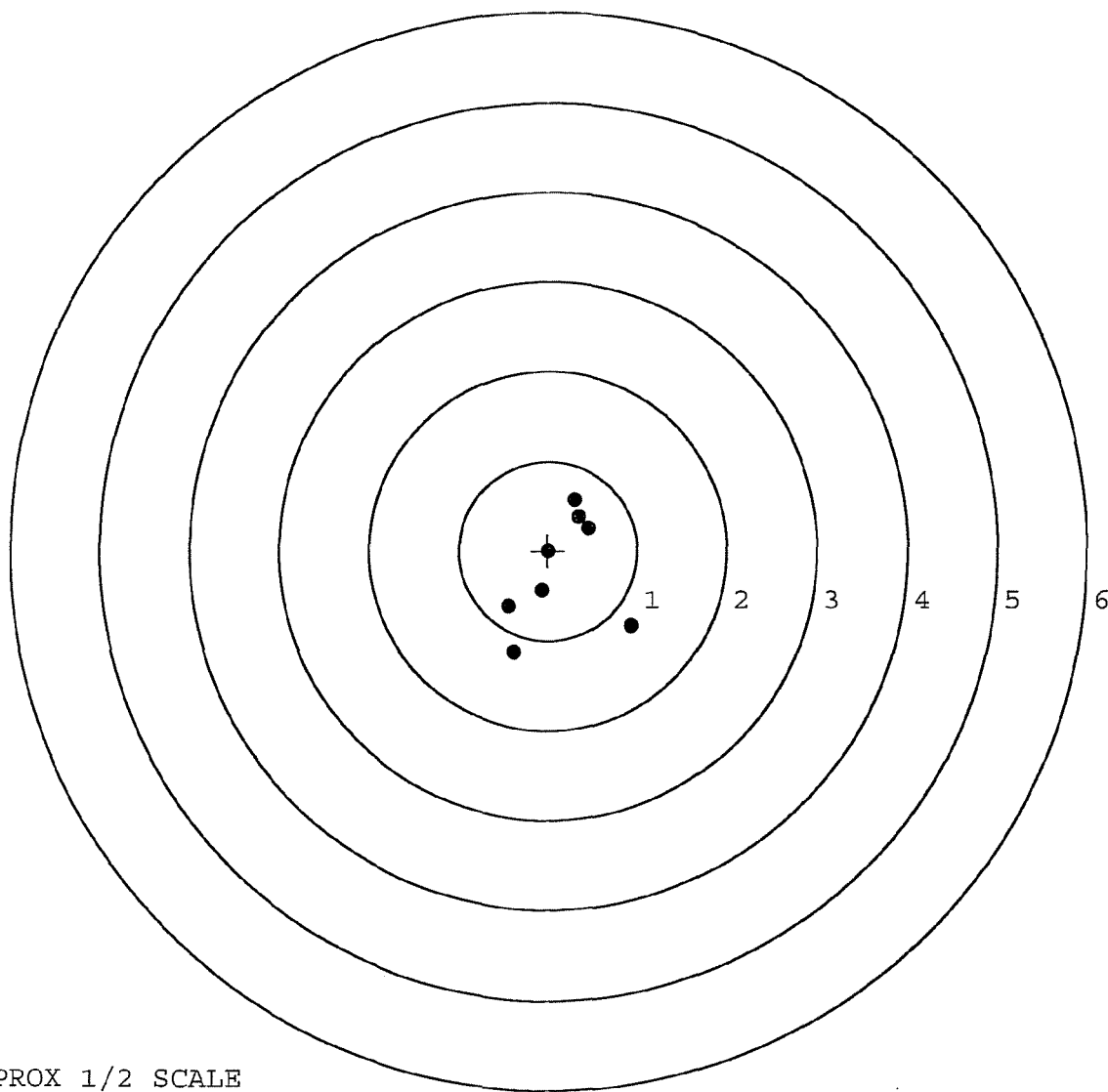
MAX RADIUS: 1.000

MEAN RADIUS: 0.670

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461738.____0

TARGET NUMBER: 2

FILE DATE: 10/17/2005

FILE TIME: 18:17

POINT#	X	Y
1:	0.498	-0.734
2:	0.339	-0.378
3:	-0.321	-0.573
4:	-0.251	-0.231
5:	-0.786	0.221
6:	-0.312	0.649
7:	0.607	0.953
8:	-0.281	-1.654
9:	-0.428	1.248
10:	-0.056	1.366

X CENTROID: -0.099

Y CENTROID: 0.087

POA TO CENTROID: 0.132

HORZ SPREAD: 1.393

VERT SPREAD: 3.020

GROUP SPREAD: 3.028

MIN RADIUS: 0.352

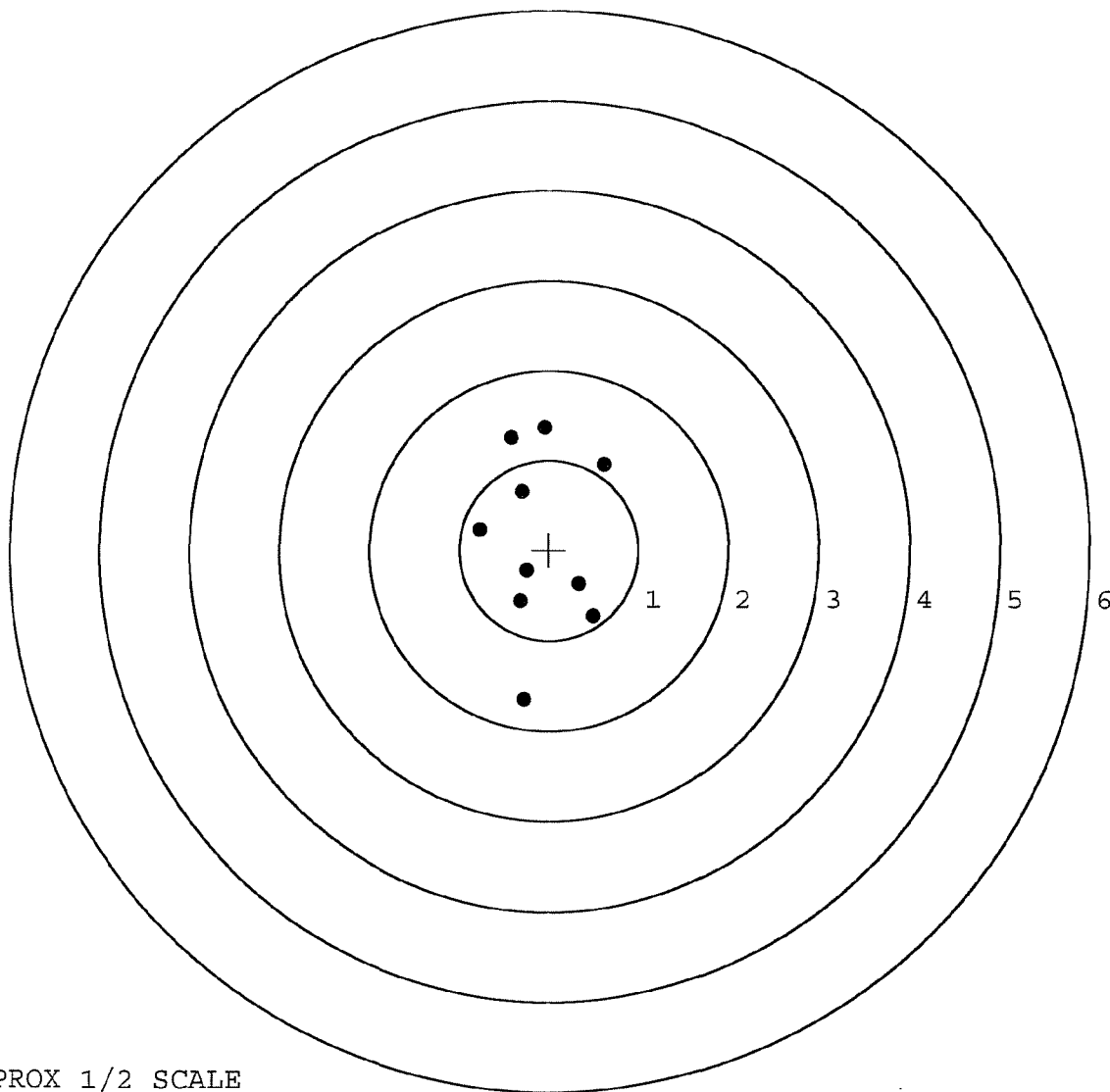
MAX RADIUS: 1.750

MEAN RADIUS: 0.936

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

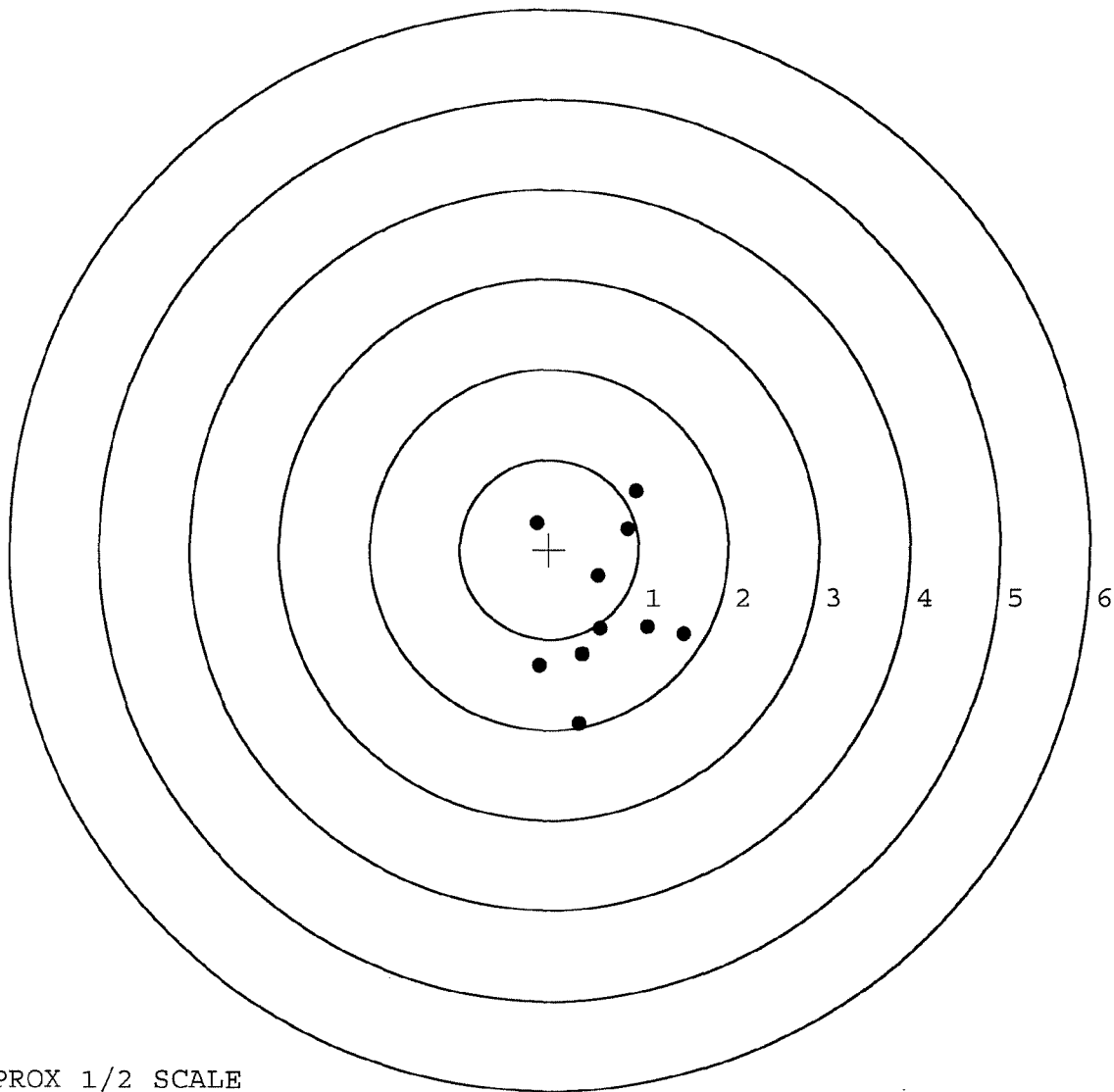


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461738. __0
TARGET NUMBER: 3
FILE DATE: 10/17/2005
FILE TIME: 18:17

POINT#	X	Y
1:	0.547	-0.300
2:	1.094	-0.874
3:	0.572	-0.888
4:	0.369	-1.171
5:	-0.119	-1.297
6:	0.339	-1.936
7:	1.506	-0.955
8:	0.878	0.226
9:	0.972	0.641
10:	-0.145	0.289

X CENTROID: 0.601
Y CENTROID: -0.627
POA TO CENTROID: 0.868
HORZ SPREAD: 1.651
VERT SPREAD: 2.577
GROUP SPREAD: 2.654
MIN RADIUS: 0.263
MAX RADIUS: 1.336
MEAN RADIUS: 0.842
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461738. __0

TARGET NUMBER: 4

FILE DATE: 10/17/2005

FILE TIME: 18:17

POINT#	X	Y
1:	0.122	0.247
2:	0.459	-0.081
3:	0.260	-0.051
4:	0.111	-0.227
5:	1.041	-0.622
6:	-0.582	0.900
7:	0.338	0.665
8:	0.758	-1.427
9:	-0.174	-1.239
10:	-0.940	-0.732

X CENTROID: 0.139

Y CENTROID: -0.257

POA TO CENTROID: 0.292

HORZ SPREAD: 1.981

VERT SPREAD: 2.327

GROUP SPREAD: 2.685

MIN RADIUS: 0.041

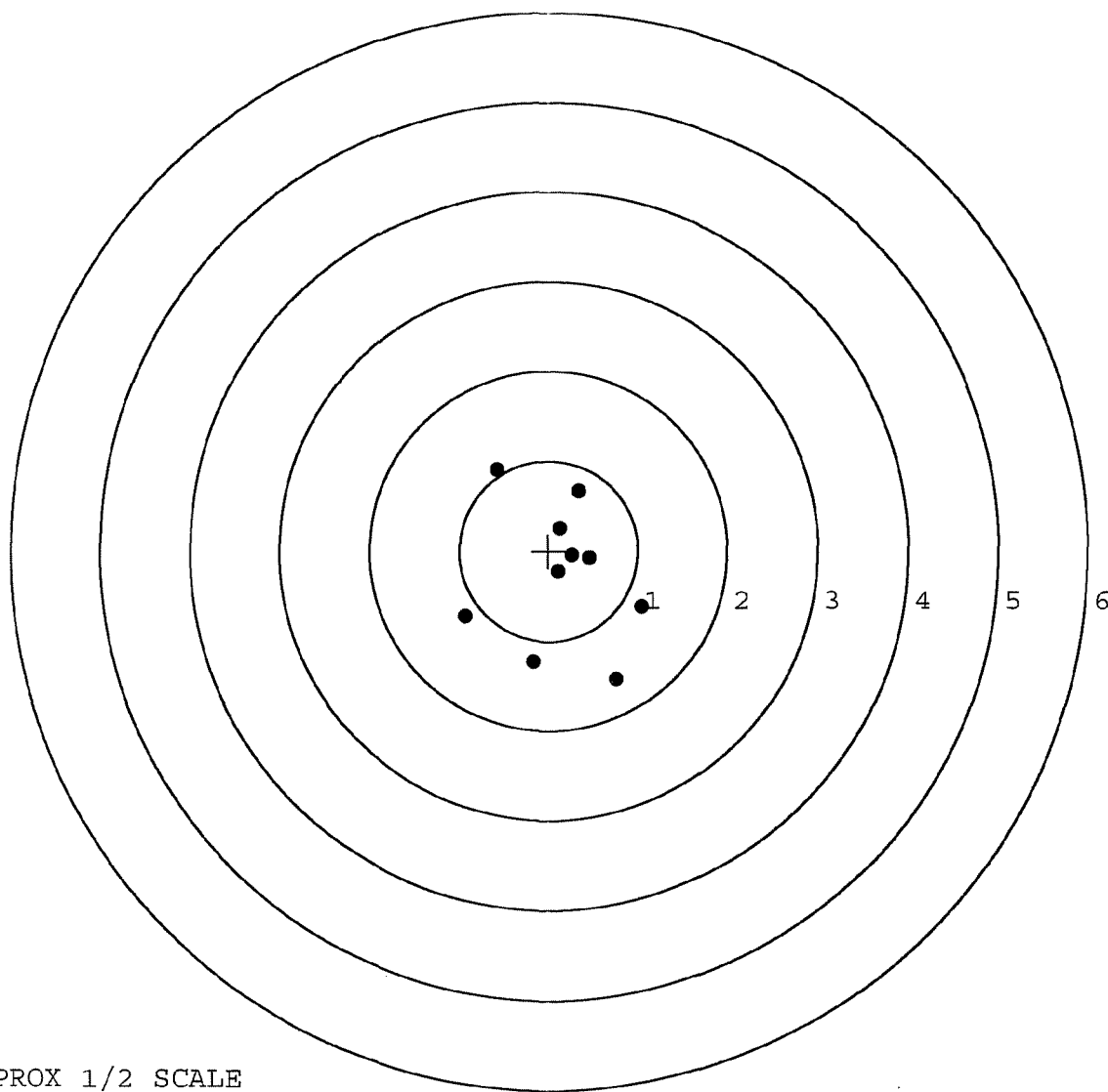
MAX RADIUS: 1.363

MEAN RADIUS: 0.796

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

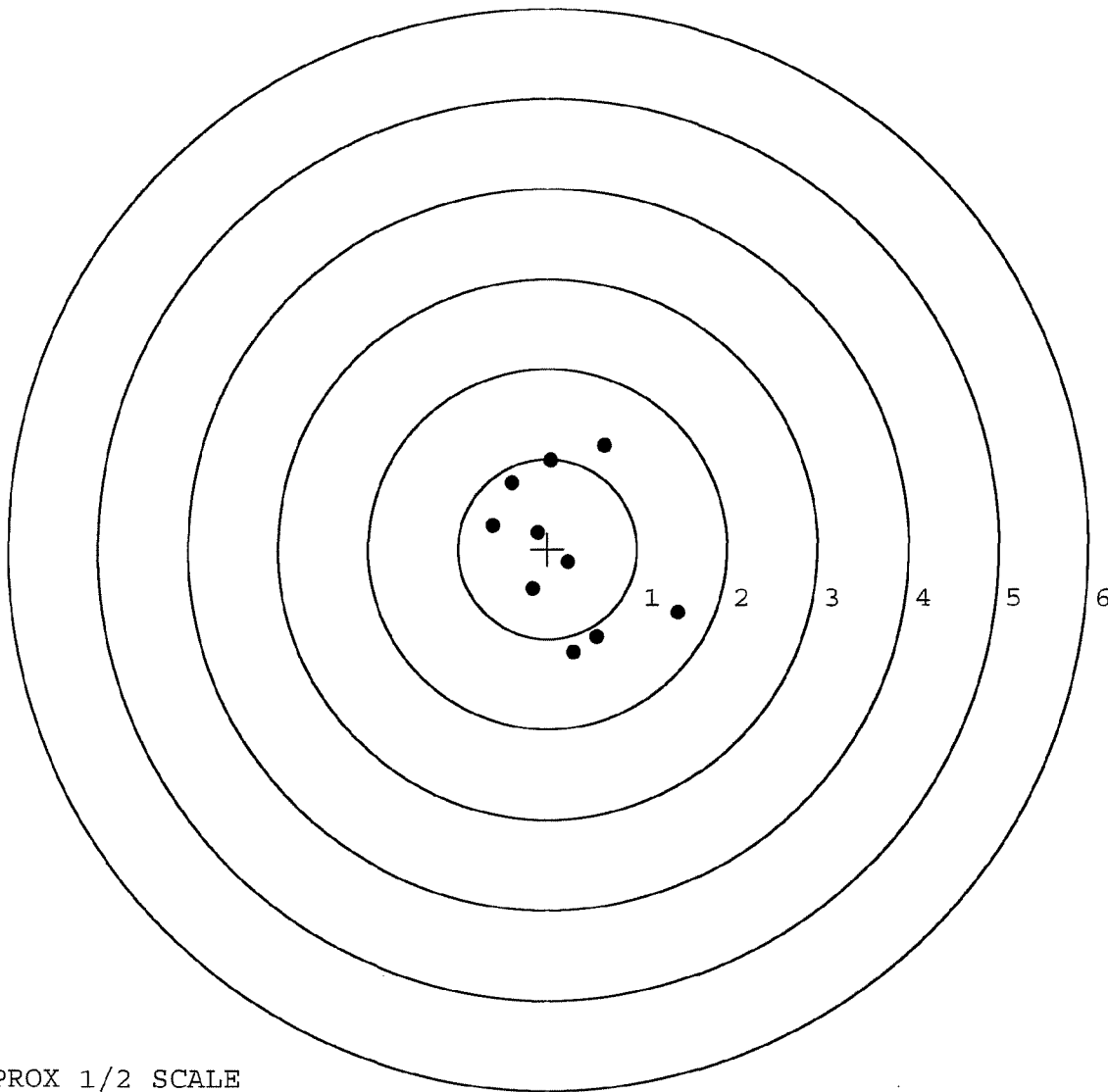


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461738. 0
TARGET NUMBER: 5
FILE DATE: 10/17/2005
FILE TIME: 18:17

POINT#	X	Y
1:	0.227	-0.151
2:	-0.168	-0.449
3:	-0.117	0.181
4:	-0.622	0.261
5:	-0.402	0.739
6:	0.046	0.984
7:	0.638	1.141
8:	0.553	-0.980
9:	0.289	-1.155
10:	1.458	-0.726

X CENTROID: 0.190
Y CENTROID: -0.016
POA TO CENTROID: 0.191
HORZ SPREAD: 2.080
VERT SPREAD: 2.296
GROUP SPREAD: 2.368
MIN RADIUS: 0.140
MAX RADIUS: 1.453
MEAN RADIUS: 0.876
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE