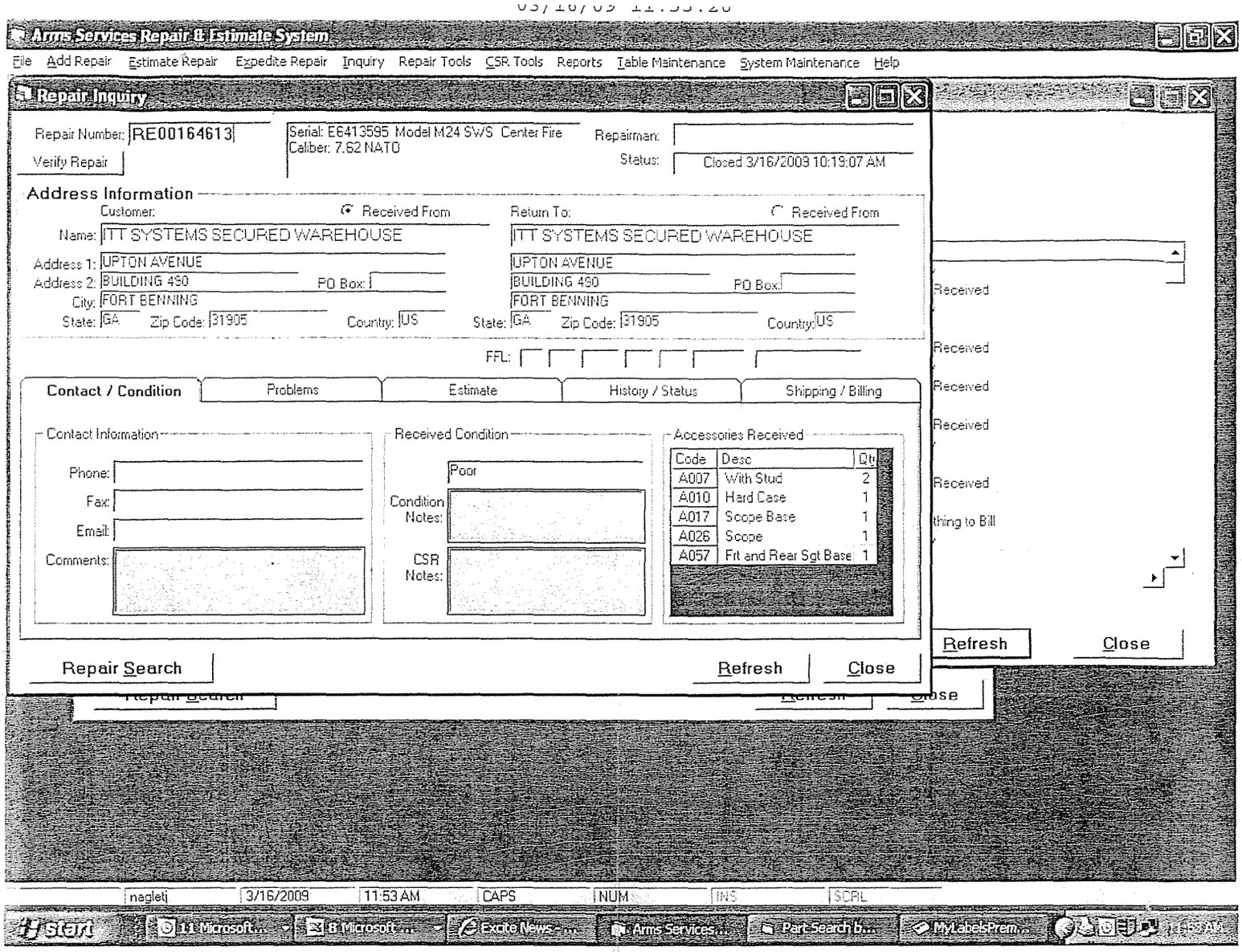
E 6413595
Replace
E 6413504



G6695367

E6413595

Model: M24 SWS

RE00164613

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

R & E NUMBER 164613
SERIAL NUMBER G669536 7
LOG-IN DATE 3-16-09

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		3-18-09	RTL
505	RE-BARREL		3-18-09	RTL
420	ASSEMBLE		3-18-09	RTL
440	PROOF	MAGNA - FLUX	3-19-09	TL
460	CHECK HEADSPACE	MAR 2 6 2009	3-19-09	TL
470	DIS-ASSEMBLE GUN		3-19-09	RTL
480	MAGNAFLUX	OPERATOR	3/20/09	
510	DRILL AND TAP		3-19-09	SP
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	RTL
640	FUNCTION TEST AND	PASS FAIL	4-6-09	L.P.D.
650	TARGET	PASS FAIL		L.P.D.
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	4-6-09	RP
670	FINAL INSPECTION A) HEADSPACE	PASS FAIL	4-8-09 4-8-09	L.D. L.D.
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	233 230 228 238 246	4-8-09	L.D.
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	4.0 4.0 4.0	4-8-09	L.D.
	G) SAFETY OFF FORCE (2 LBS MIN)	5.0 5.0 4.5	4-8-09	L.D.
	I) FIRING PIN INDENT (.020)	.024 .024 .024	4-8-09	L.D.
690	PACK		4/9/09	FM

F006 REV 1/2009

MAINTENANCE REQUEST	PG NO	NO PGS	REQMT CONTROL SYMBOL
	1	1	WON 2L58LA900097 902907

CUSTOMER DATA

UIC CUST	CUSTOMER UNIT NAME		
W2L58L	HHC 2/29 INF. REGT.		
PHONE NO		SAMS-2 UIC	UTIL CD
(706)544-1476		W2L5AA	K

MAINTENANCE ACTIVITY DATA

EVAC WON	SHOP	PHONE NO
902907	I	4-2823
UIC SUPPORT	SUPPORT UNIT NAME	
W6CR07	ITT	

EQUIPMENT DATA

MNT CD	ID	NSN	MCSR
1	A	012402136	S

FDD	USAGECDE	CURRENT USAGE
F		0

MODEL
M24RIFLE

PROJ CD	APC	IN WARRANTY
0524	H9MF	N

NOUN
RIFLE 7.62MM SNIP

LEVEL WORK	ADMIN NO	ERC
F	M24-37	P

ORG WON	QTY
2L58LA900097	1

Original

SER NO	PD
E6413595	03

PD AUTHENTICATING SIGNATURE:

MALFUNCTION DESCRIPTION/REMARKS: BOLT WORN DOWN/OUT

TECHNICAL REFERENCES: POC SGT Palkki # 544-6006

TASK / PART REQUIREMENTS

ACT CDE	TASK NO	ACT RQD	TASK DESCRIPTION	QTY RPR	WRK CTR	FAIL CODE	MH PROJ	MH EX

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

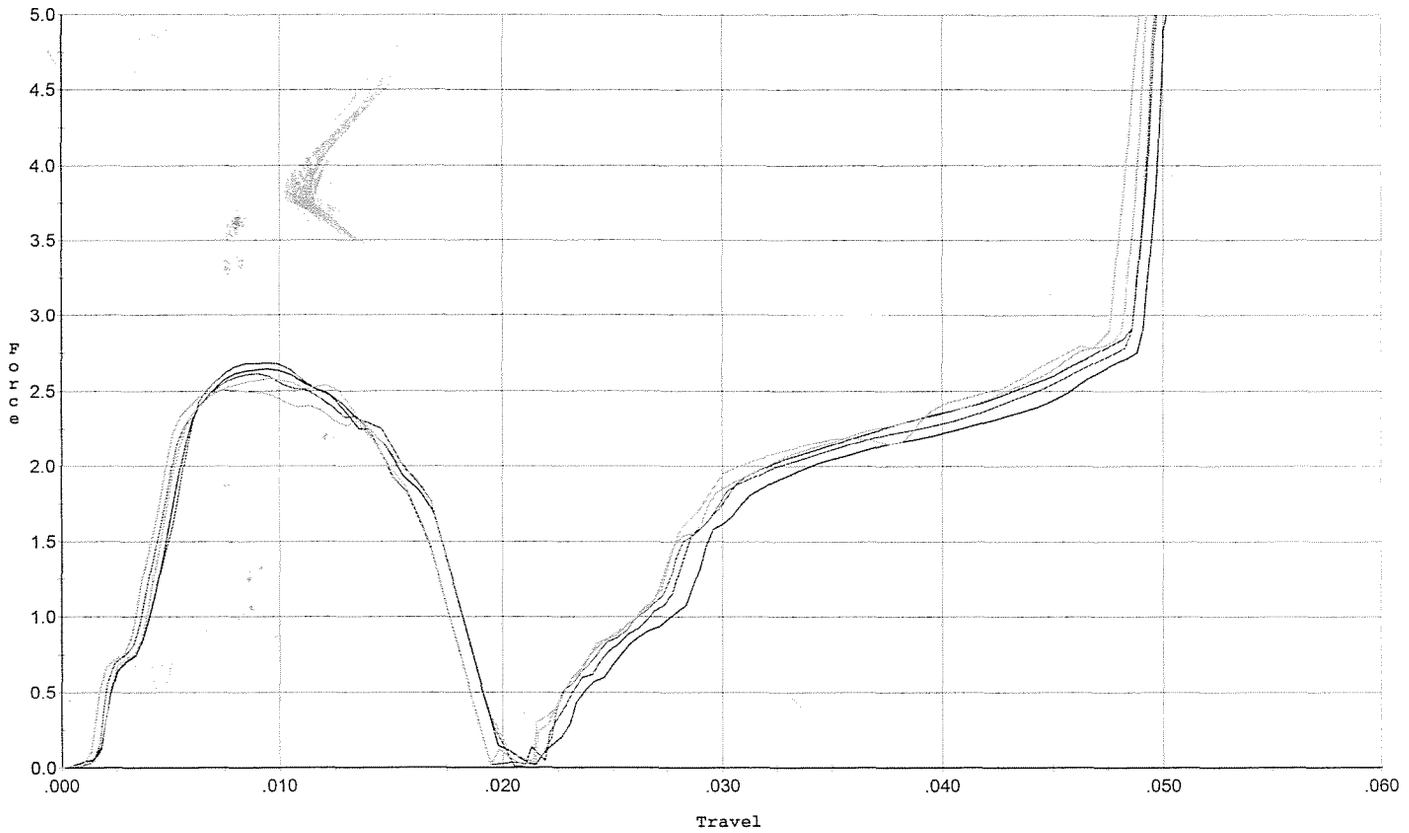
SUBMITTED BY	ACCEPTED BY	WORK STARTED BY	INSPECTED BY	PICKED UP BY
Holloway Palkki	J. SAntiago			

DATE	STA	ORD DATE	MIL TIME	STA	ORD DATE	MIL TIME	STA	ORD DATE	MIL TIME	STA	ORD DATE	MIL TIME
09070	A	090	1000									

DA FORM 2407-E

Trigger Profile [lbs,inch]

Profile	SWS	**Model:**	M/24
GunType:	Rifle	**Serial No:**	Form #F005
Make:	Remington	**Trigger:**	2.5 lbs ini +/- .50 lb
Note:	C C Schults 3/17/2009		



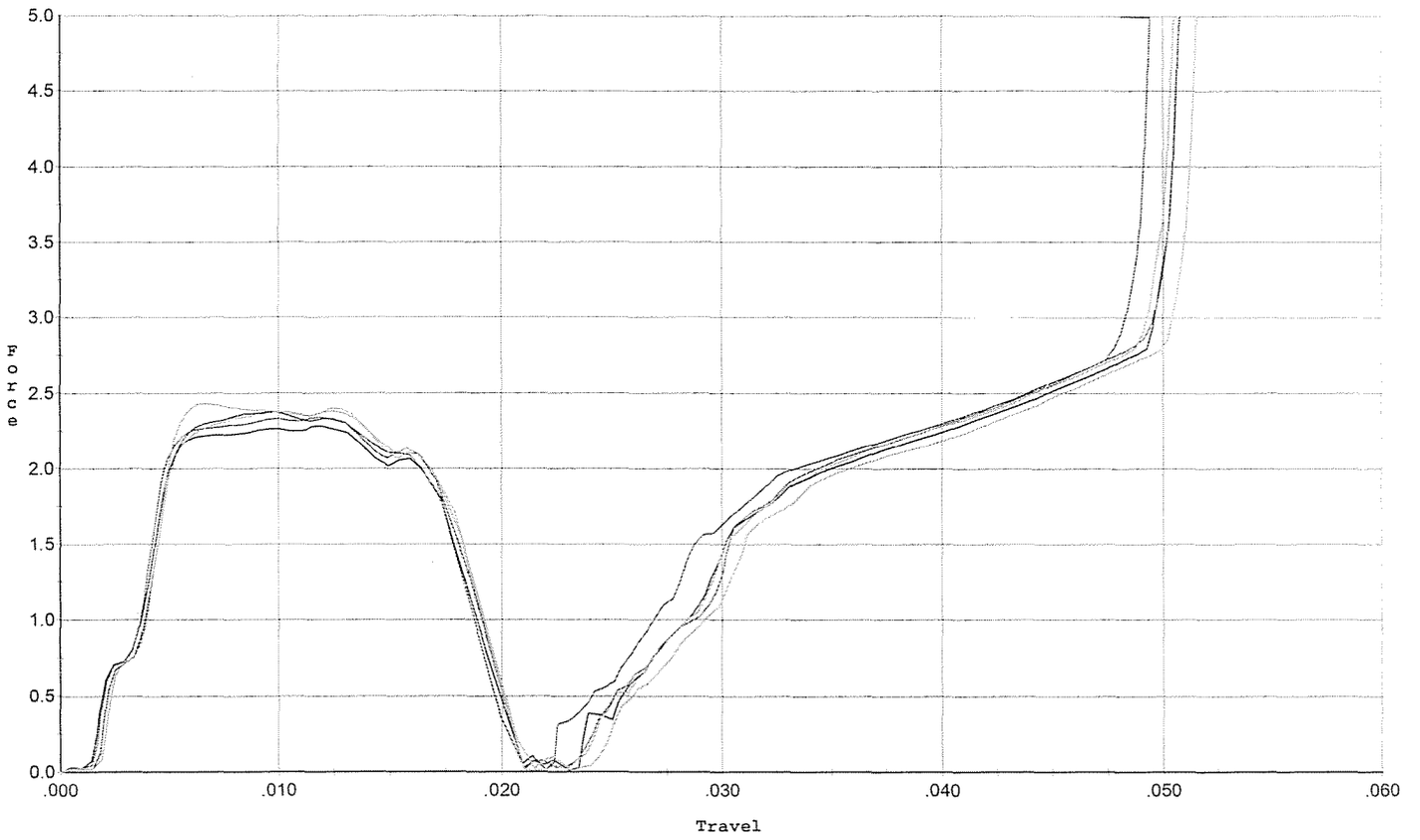
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.684	0.017	0.00	0.037	0.029		Set Trigger
2	2.646	0.017	0.00	0.037	0.029		Set Trigger
3	2.615	0.017	0.00	0.037	0.029		Set Trigger
4	2.584	0.017	0.00	0.036	0.029		Set Trigger
5	2.508	0.017	0.00	0.037	0.029		Set Trigger

A-260

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 3/17/2009 8:41:06 AM

Trigger Profile [lbs,inch]

Profile	SWS	**Model:**	M/24
GunType:	Rifle	**Serial No:**	Form #F005
Make:	Remington	**Trigger:**	2.5 lbs after 50 cycles+/- .50 lb
Note:	C C Schults 3/17/2009		



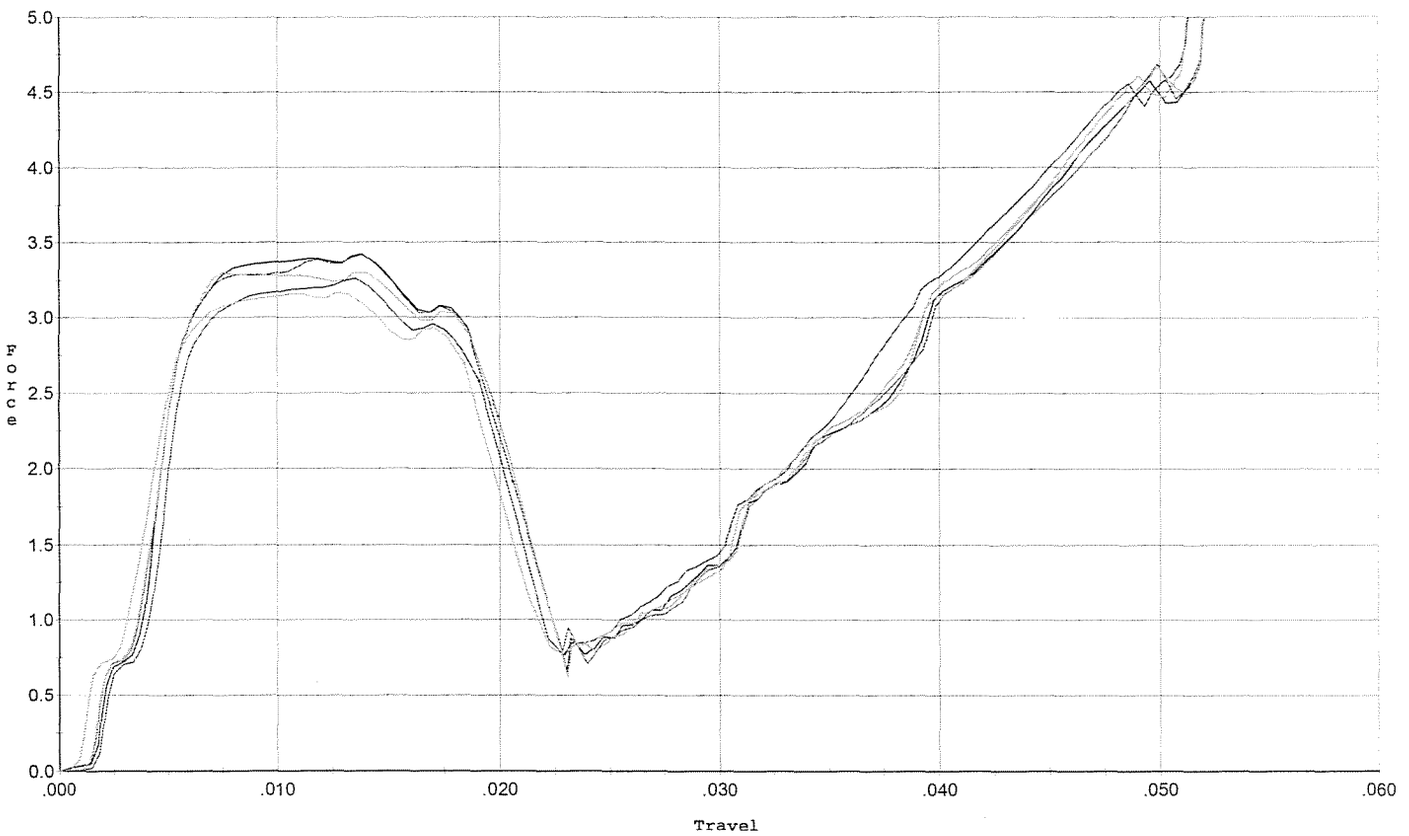
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.374	0.019	0.002	0.035	0.031		Set Trigger
2	2.282	0.017	0.00	0.037	0.028		Set Trigger
3	2.341	0.017	0.00	0.037	0.029		Set Trigger
4	2.403	0.018	0.002	0.037	0.030		Set Trigger
5	2.432	0.018	0.002	0.036	0.030		Set Trigger

A-2-36

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 3/17/2009 8:42:59 AM

Trigger Profile [lbs,inch]

Profile	SWS	**Model:**	M/24
GunType:	Rifle	**Serial No:**	Form #F005
Make:	Remington	**Trigger:**	3.0 lbs ini +/- .75 lb
Note:	C C Schults 3/17/2009		



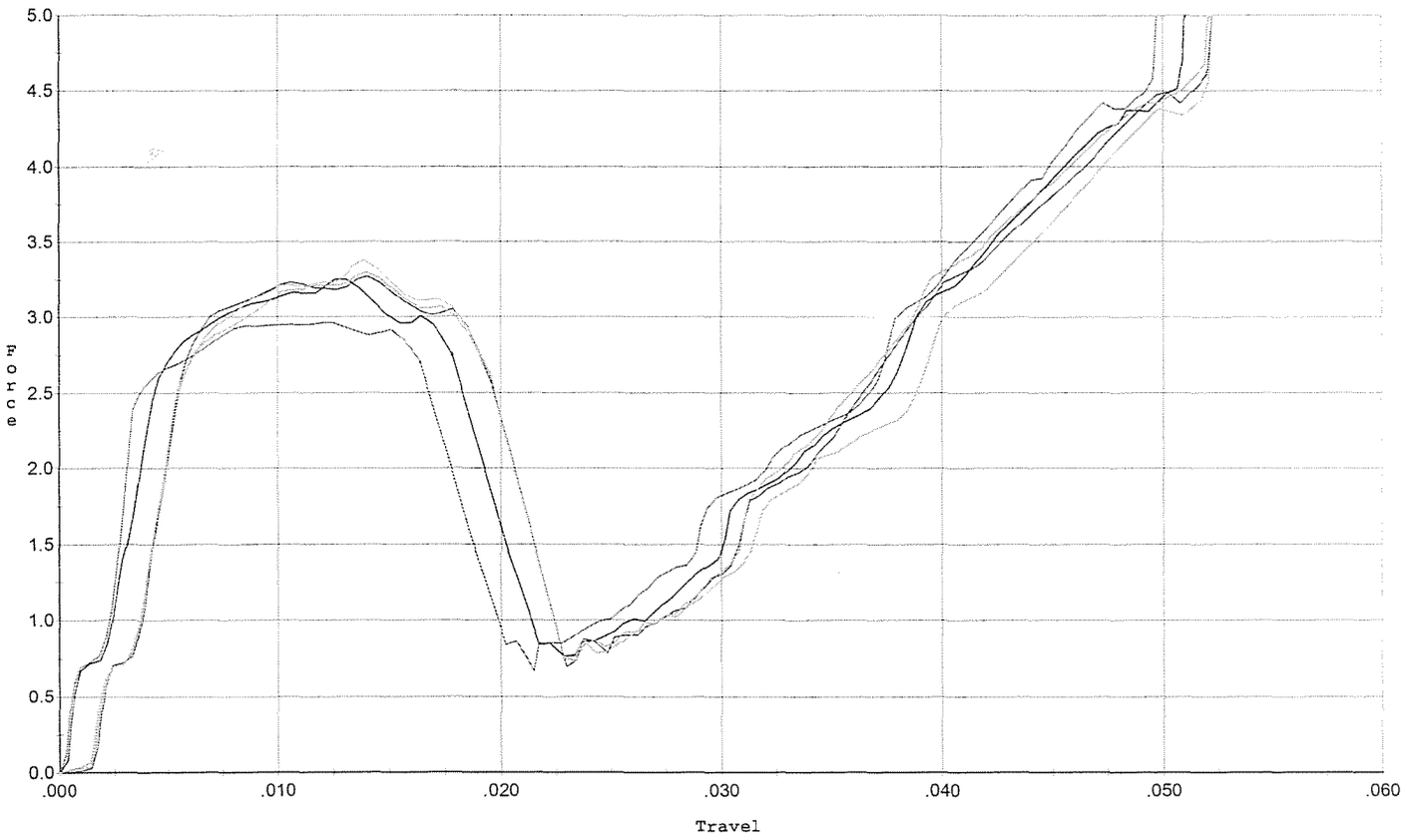
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.263	0.019	0.00	0.035	0.042		Set Trigger
2	3.419	0.020	0.00	0.035	0.047		Set Trigger
3	3.423	0.021	0.00	0.035	0.048		Set Trigger
4	3.167	0.018	0.00	0.035	0.042		Set Trigger
5	3.301	0.020	0.00	0.035	0.046		Set Trigger

A·3·31

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 3/17/2009 8:44:31 AM

Trigger Profile [lbs,inch]

Profile	SWS	**Model:**	M/24
GunType:	Rifle	**Serial No:**	Form #F005
Make:	Remington	**Trigger:**	3.0 lbs after 20 cycles+/- .75 lb
Note:	C C Schults 3/17/2009		



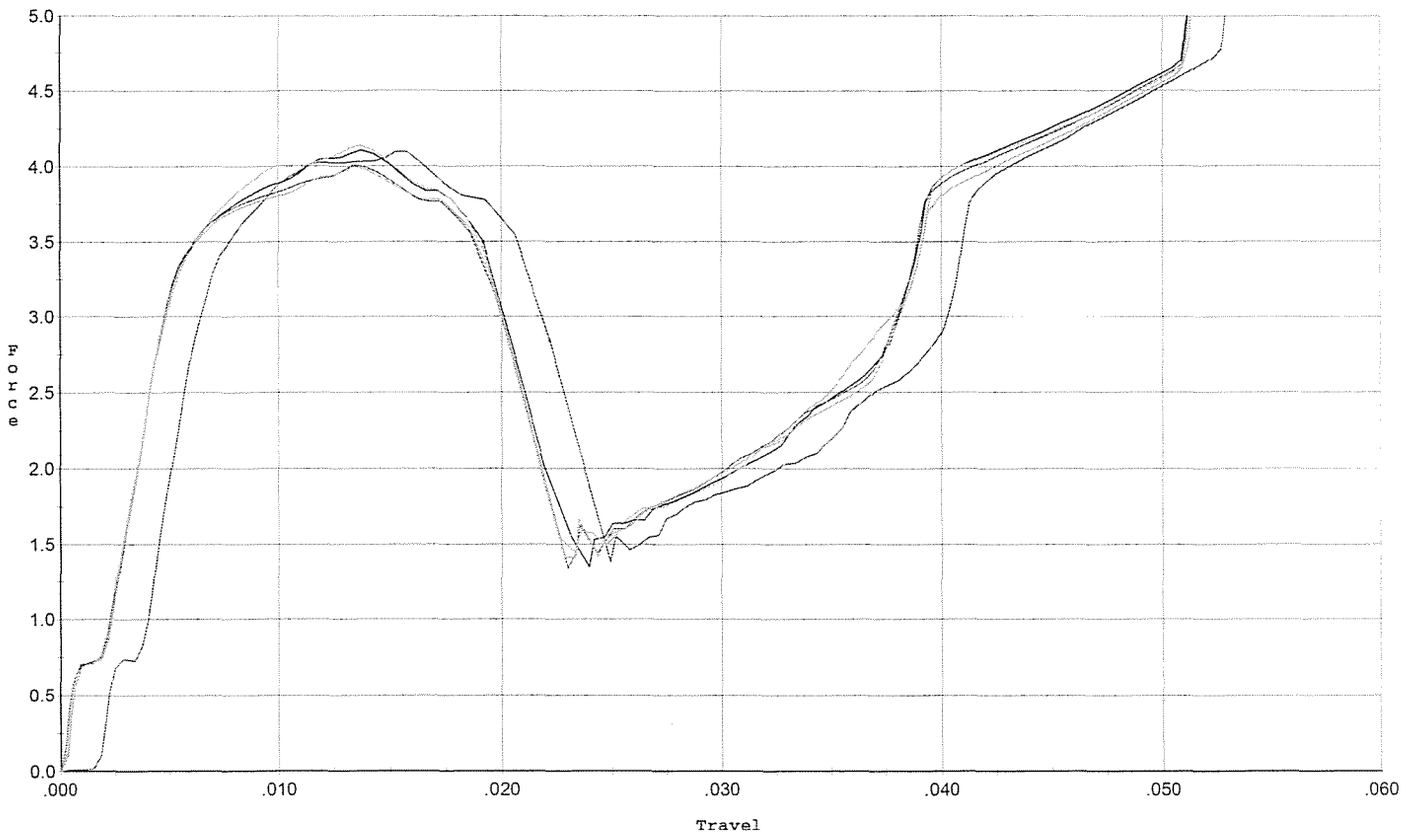
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.272	0.020	0.00	0.035	0.045		Set Trigger
2	3.252	0.018	0.00	0.035	0.042		Set Trigger
3	2.961	0.016	0.00	0.035	0.037		Set Trigger
4	3.380	0.019	0.00	0.035	0.044		Set Trigger
5	3.298	0.020	0.00	0.035	0.044		Set Trigger

A-3.23

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 3/17/2009 8:45:55 AM

Trigger Profile [lbs,inch]

Profile	SWS	**Model:**	M/24
GunType:	Rifle	**Serial No:**	Form #F005
Make:	Remington	**Trigger:**	4.0 lbs ini +/- 1.0 lb
Note:	C C Schults 3/17/2009		



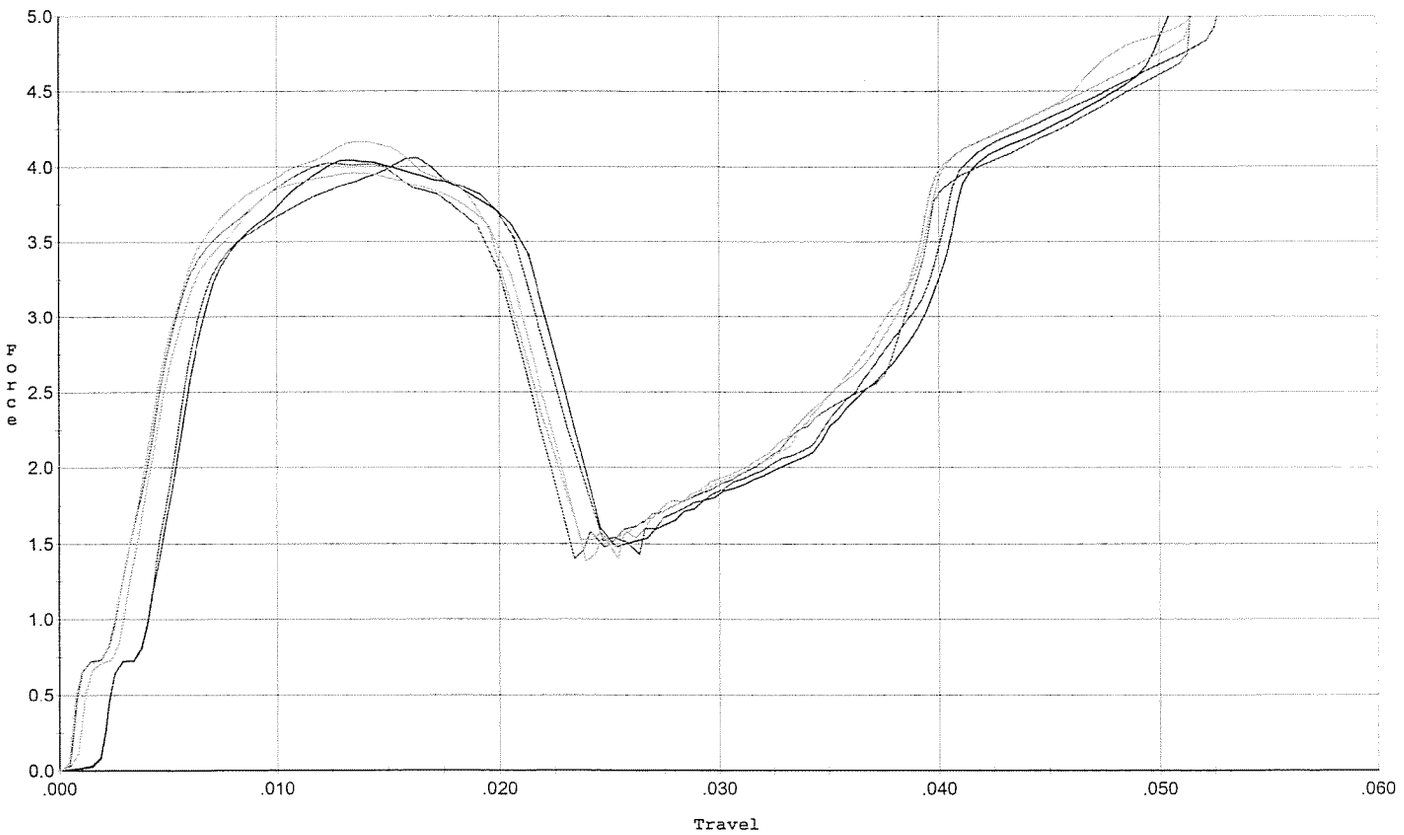
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.093	0.022	0.002	0.033	0.061		Set Trigger
2	4.106	0.019	0.00	0.033	0.056		Set Trigger
3	4.009	0.020	0.00	0.033	0.057		Set Trigger
4	4.140	0.019	0.00	0.033	0.057		Set Trigger
5	3.999	0.019	0.00	0.033	0.056		Set Trigger

A. 4.06

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 3/17/2009 8:47:04 AM

Trigger Profile [lbs,inch]

Profile	SWS	**Model:**	M/24
GunType:	Rifle	**Serial No:**	Form #F005
Make:	Remington	**Trigger:**	4.0 lbs after 20 cycles+/- 1.0 lb
Note:	C C Schults 3/17/2009		



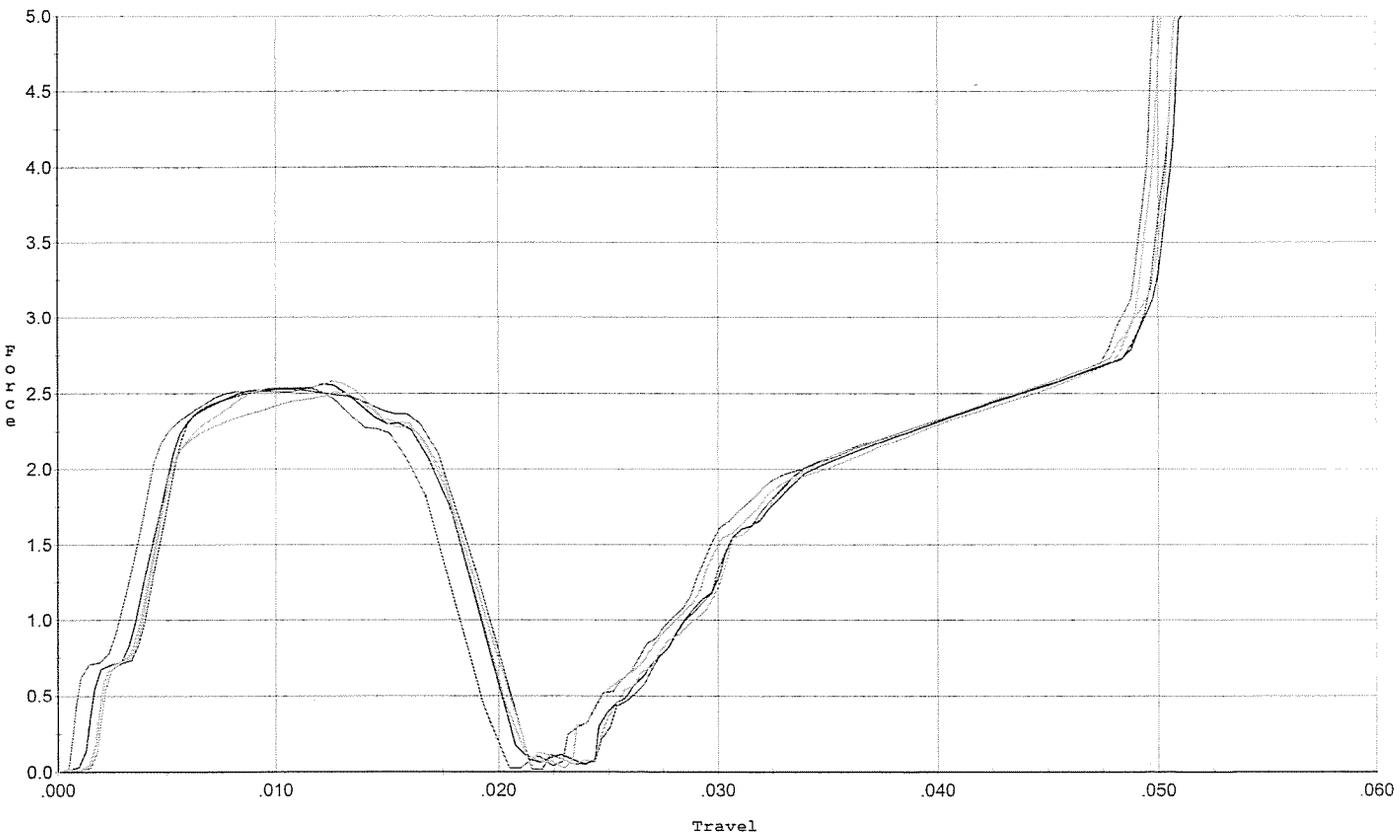
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.058	0.021	0.00	0.033	0.056		Set Trigger
2	4.045	0.021	0.00	0.032	0.058		Set Trigger
3	4.025	0.020	0.00	0.033	0.057		Set Trigger
4	3.961	0.021	0.00	0.032	0.058		Set Trigger
5	4.166	0.020	0.00	0.033	0.057		Set Trigger

IA-4.05

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 3/17/2009 8:48:17 AM

Trigger Profile [lbs,inch]

Profile	SWS	**Model:**	M/24
GunType:	Rifle	**Serial No:**	Form #F005
Make:	Remington	**Trigger:**	reset to 2.5 lbs +/- .50 lb for final test
Note:	C C Schults 3/17/2009		



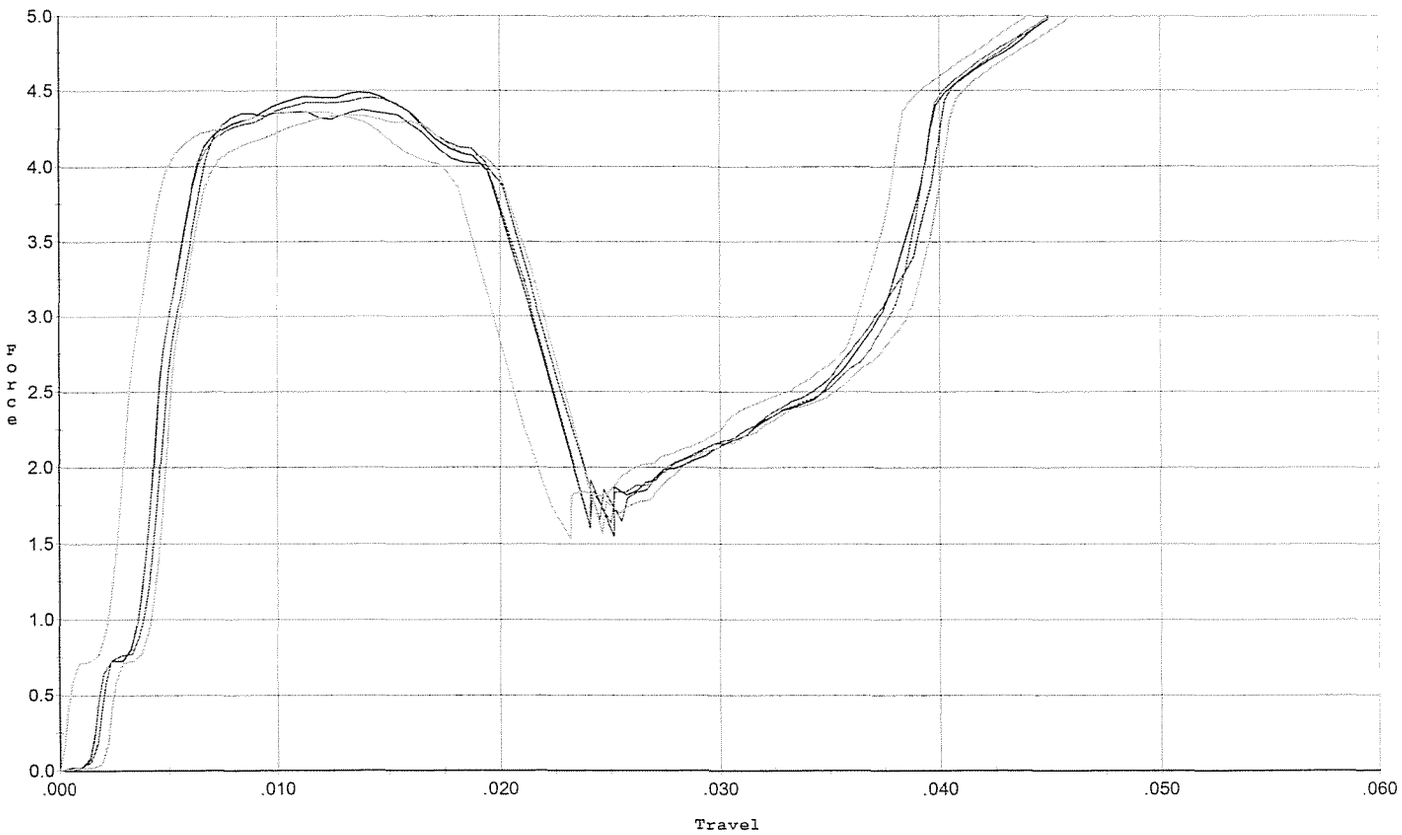
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.527	0.019	0.00	0.036	0.033		Set Trigger
2	2.561	0.018	0.00	0.037	0.032		Set Trigger
3	2.533	0.017	0.00	0.037	0.031		Set Trigger
4	2.582	0.018	0.00	0.037	0.031		Set Trigger
5	2.512	0.018	0.00	0.036	0.030		Set Trigger

A-2-54

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 3/17/2009 8:50:00 AM

Trigger Profile [lbs,inch]

Profile	SWS	**Model:**	M/24
GunType:	Rifle	**Serial No:**	Form #F005
Make:	Remington	**Trigger:**	set to 4.0 lbs +/- 1.0 lb for target & accuracy
Note:	C C Schults 3/17/2009		



#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.373	0.020	0.00	0.031	0.061		Set Trigger
2	4.491	0.021	0.00	0.031	0.066		Set Trigger
3	4.455	0.021	0.00	0.030	0.065		Set Trigger
4	4.361	0.018	0.00	0.031	0.058		Set Trigger
5	4.339	0.022	0.00	0.031	0.064		Set Trigger

A - 4.40

Trigger Scan 2.01 ,SN 10337, printed by Remingyton Arms Co., Inc.. 3/17/2009 8:51:22 AM

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6695367.__0
FILE DATE AND TIME: 04/08/2009 08:26

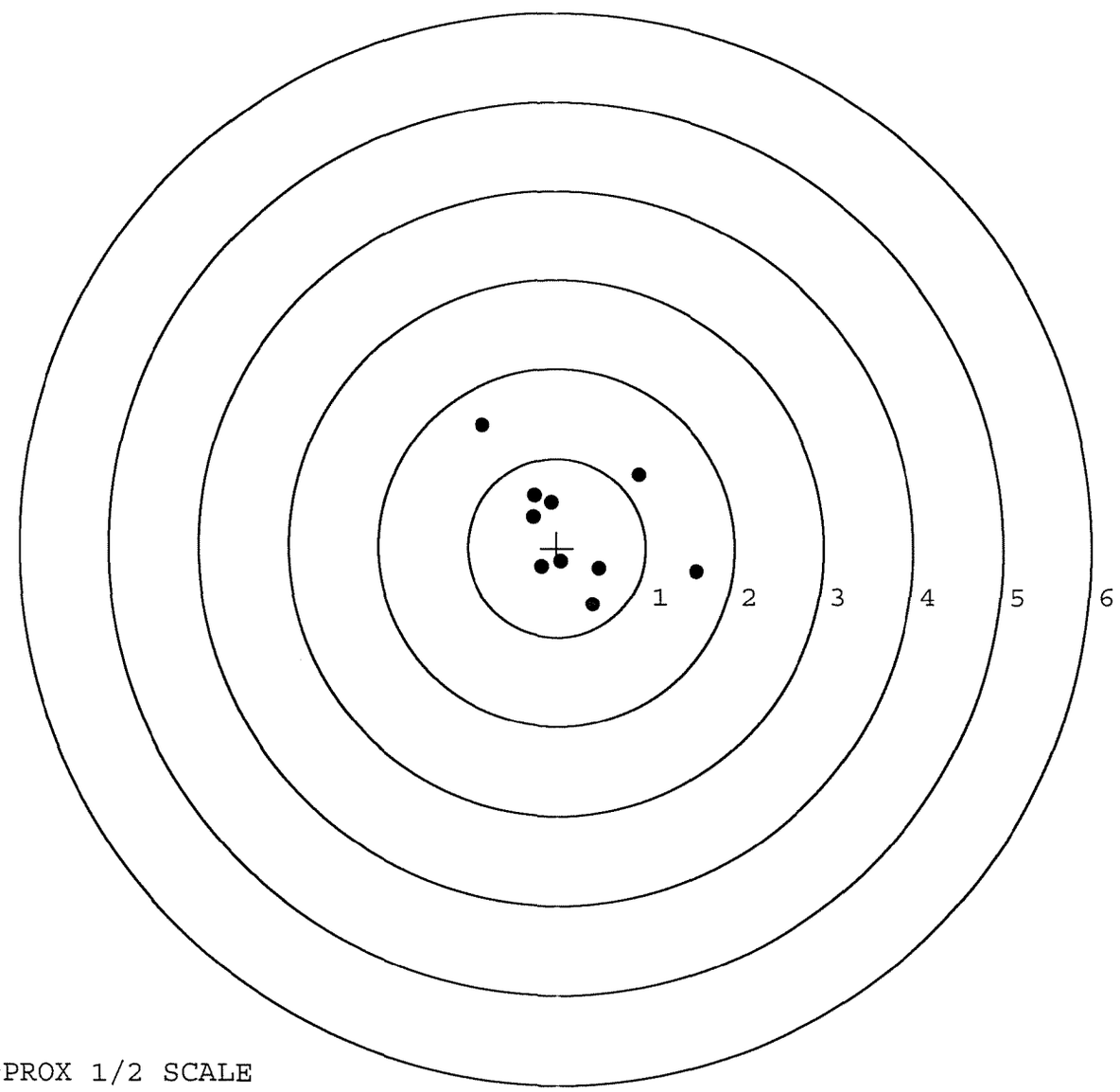
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.139
The Average Y Centroid of the Five Target Set:	-0.061
The Average Point of Impact of the Five Target Set:	0.152
The Average Mean Radius of the Five Target Set:	0.769
The Distance from POA to Centroid Target #1:	0.281
The Distance from Centroid Target #2 to Centroid Target #1:	0.195
The Distance from Centroid Target #3 to Centroid Target #1:	0.474
The Distance from Centroid Target #4 to Centroid Target #1:	0.442
The Distance from Centroid Target #5 to Centroid Target #1:	0.286

SERIAL NUMBER: G6695367.__0
TARGET NUMBER: 1
FILE DATE: 04/08/2009
FILE TIME: 08:26

X CENTROID:	0.184
Y CENTROID:	0.213
POA TO CENTROID:	0.281
HORZ SPREAD:	2.409
VERT SPREAD:	1.999
GROUP SPREAD:	2.904
MIN RADIUS:	0.389
MAX RADIUS:	1.537
MEAN RADIUS:	0.774
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-0.838	1.361
2:	0.932	0.816
3:	-0.250	0.582
4:	-0.264	0.341
5:	-0.178	-0.209
6:	0.046	-0.151
7:	0.476	-0.227
8:	0.408	-0.638
9:	1.571	-0.261
10:	-0.066	0.511

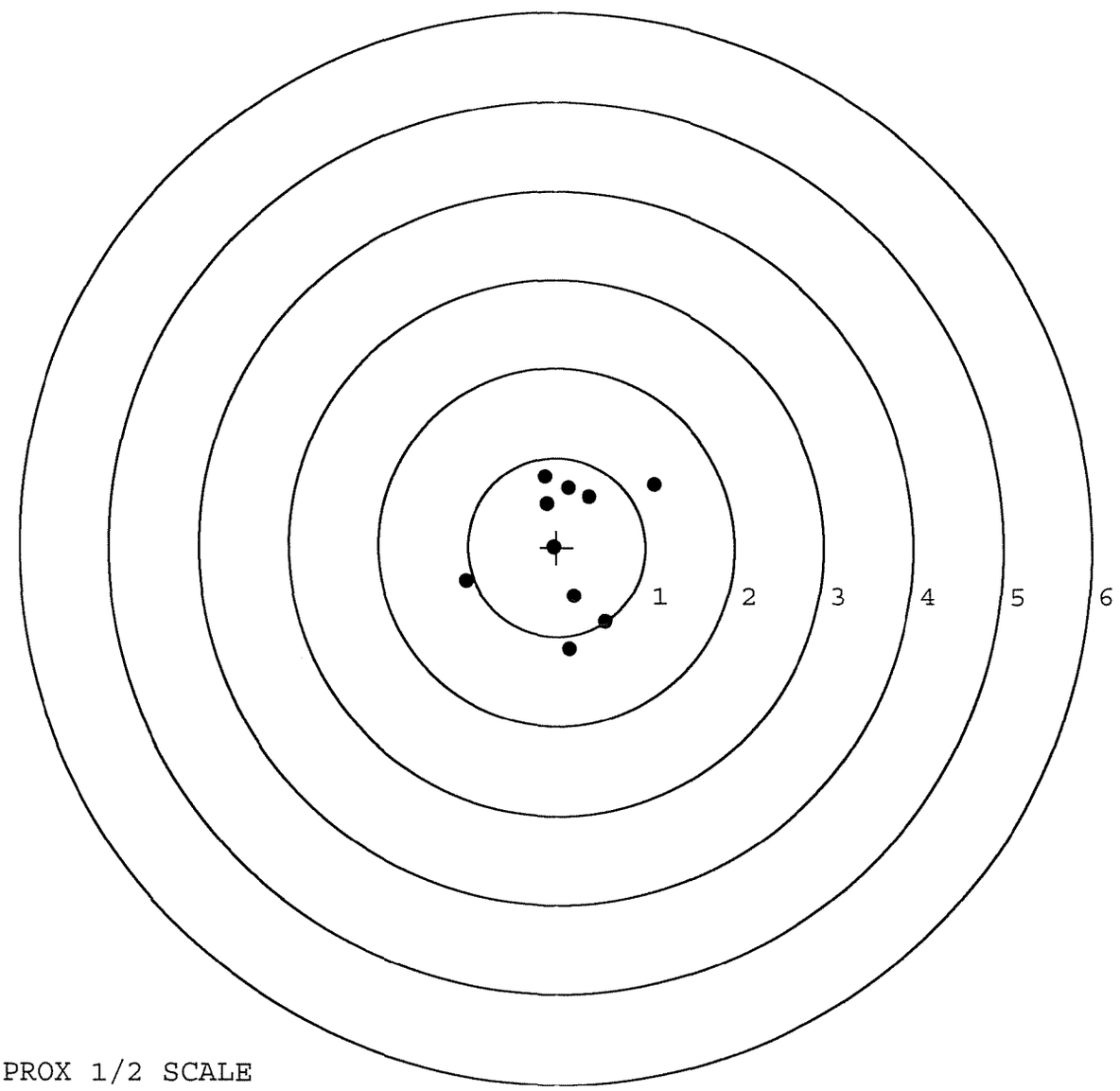


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695367.__0
TARGET NUMBER: 2
FILE DATE: 04/08/2009
FILE TIME: 08:26

X CENTROID:	0.119
Y CENTROID:	0.028
POA TO CENTROID:	0.123
HORZ SPREAD:	2.122
VERT SPREAD:	1.939
GROUP SPREAD:	2.379
MIN RADIUS:	0.161
MAX RADIUS:	1.212
MEAN RADIUS:	0.783
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-1.022	-0.380
2:	0.141	-1.146
3:	0.550	-0.839
4:	0.199	-0.547
5:	1.100	0.695
6:	-0.038	-0.005
7:	0.369	0.566
8:	-0.112	0.485
9:	-0.129	0.793
10:	0.135	0.663

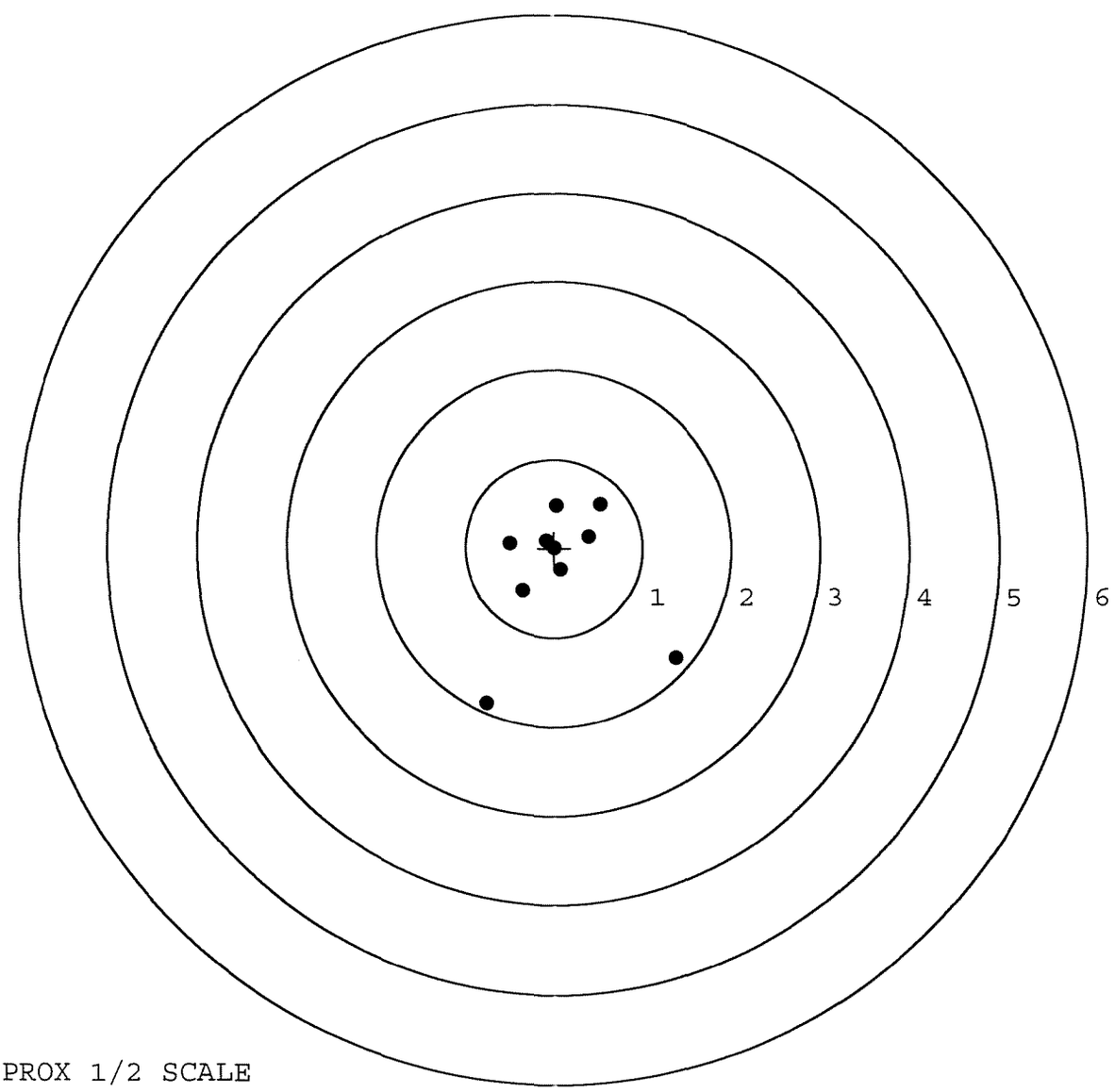


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695367.__0
TARGET NUMBER: 3
FILE DATE: 04/08/2009
FILE TIME: 08:26

X CENTROID:	0.069
Y CENTROID:	-0.248
POA TO CENTROID:	0.257
HORZ SPREAD:	2.135
VERT SPREAD:	2.237
GROUP SPREAD:	2.585
MIN RADIUS:	0.007
MAX RADIUS:	1.713
MEAN RADIUS:	0.720
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	0.001	-0.002
2:	-0.764	-1.745
3:	1.371	-1.233
4:	0.532	0.492
5:	0.028	0.479
6:	-0.496	0.047
7:	-0.359	-0.486
8:	0.073	-0.242
9:	0.395	0.127
10:	-0.088	0.084

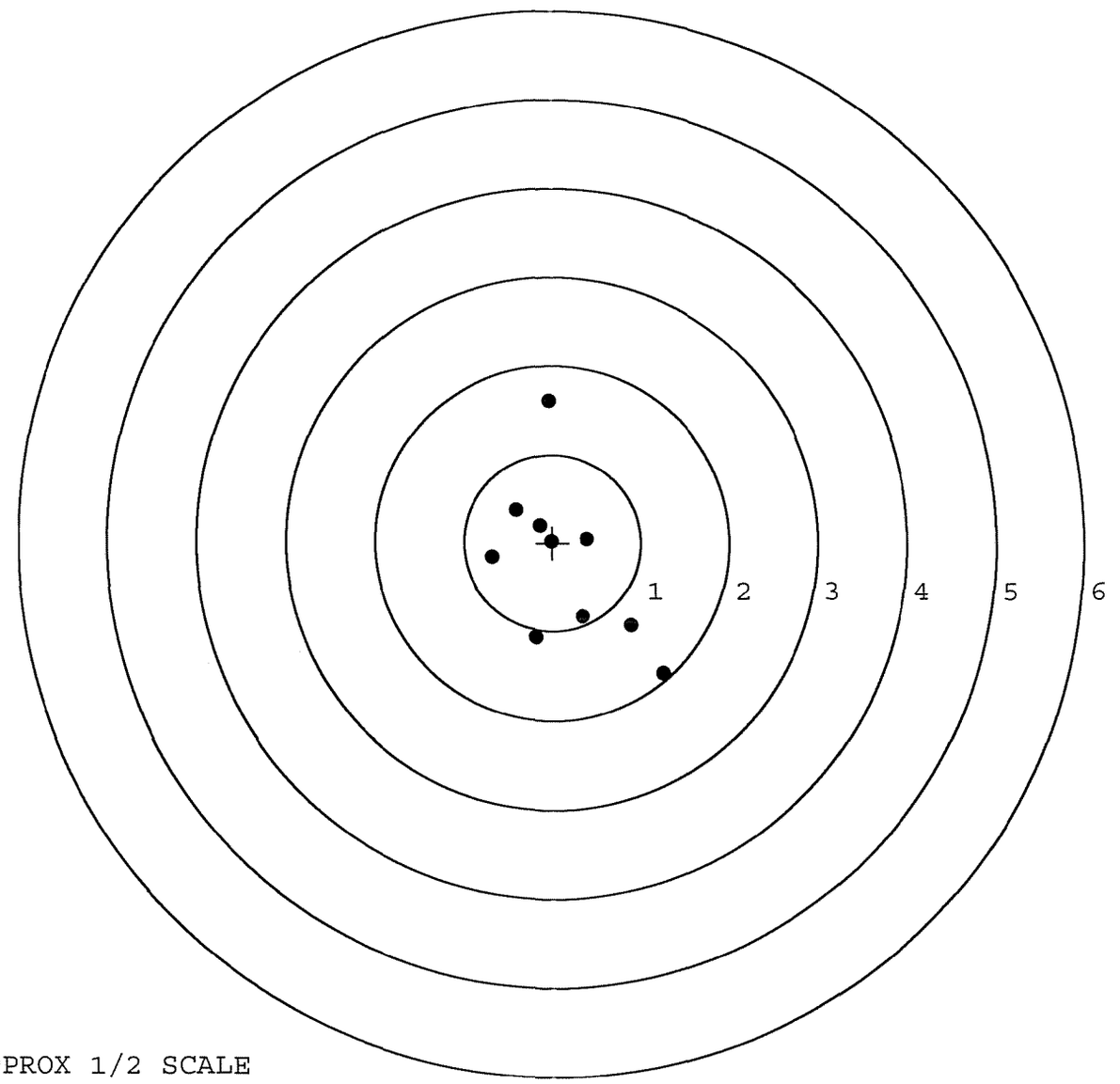


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695367.__0
TARGET NUMBER: 4
FILE DATE: 04/08/2009
FILE TIME: 08:26

X CENTROID:	0.139
Y CENTROID:	-0.227
POA TO CENTROID:	0.266
HORZ SPREAD:	1.931
VERT SPREAD:	3.077
GROUP SPREAD:	3.338
MIN RADIUS:	0.290
MAX RADIUS:	1.839
MEAN RADIUS:	0.891
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	-0.014	0.020
2:	1.251	-1.474
3:	0.891	-0.945
4:	0.344	-0.843
5:	-0.190	-1.074
6:	0.388	0.044
7:	-0.043	1.603
8:	-0.412	0.371
9:	-0.680	-0.169
10:	-0.143	0.199

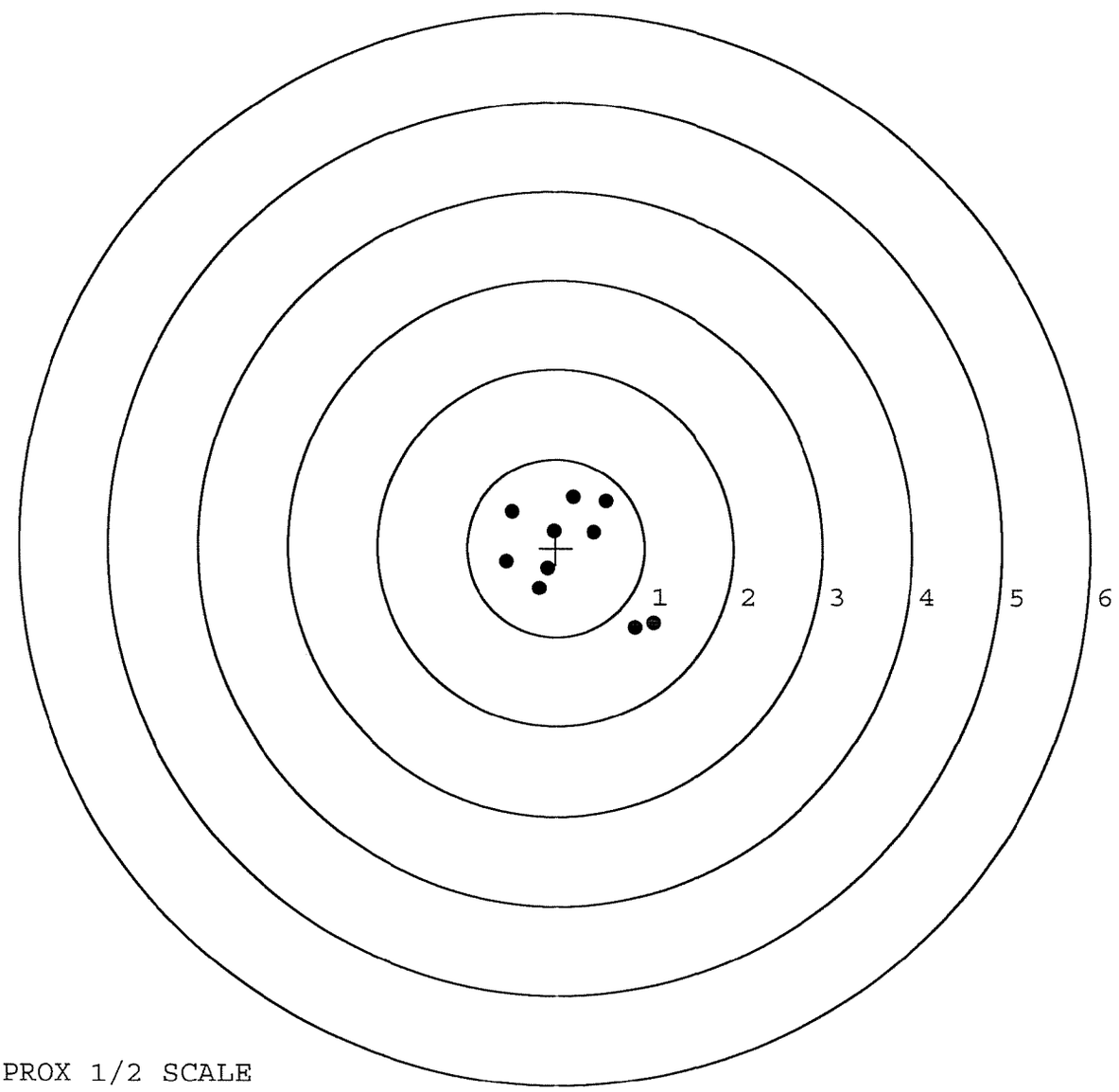


TARGET APPROX 1/2 SCALE

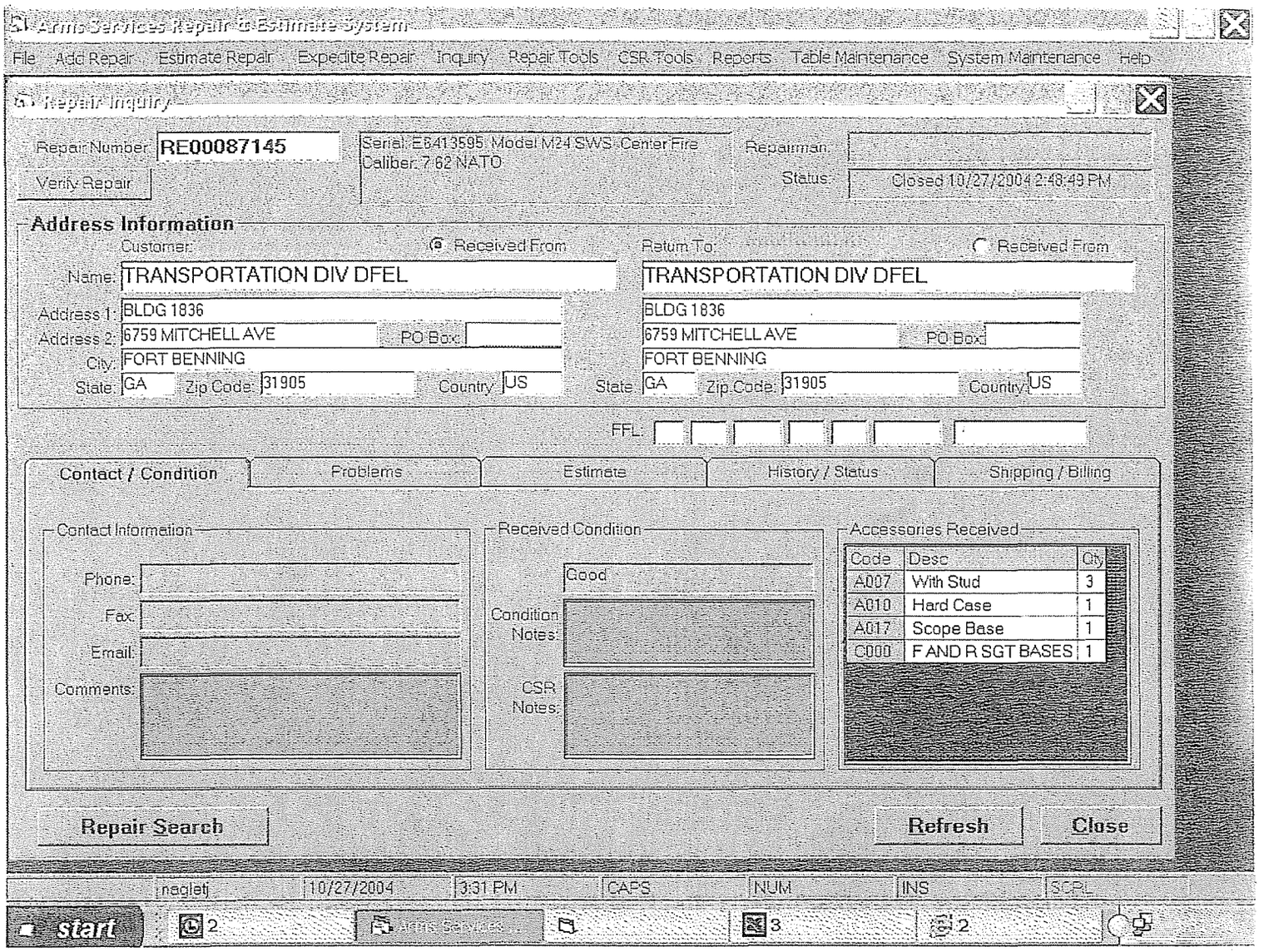
SERIAL NUMBER: G6695367.__0
TARGET NUMBER: 5
FILE DATE: 04/08/2009
FILE TIME: 08:26

X CENTROID:	0.183
Y CENTROID:	-0.073
POA TO CENTROID:	0.197
HORZ SPREAD:	1.650
VERT SPREAD:	1.473
GROUP SPREAD:	2.017
MIN RADIUS:	0.322
MAX RADIUS:	1.198
MEAN RADIUS:	0.675
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.095	-0.850
2:	0.889	-0.902
3:	-0.193	-0.458
4:	-0.099	-0.228
5:	-0.555	-0.157
6:	-0.487	0.402
7:	-0.020	0.188
8:	0.198	0.571
9:	0.573	0.521
10:	0.430	0.180



TARGET APPROX 1/2 SCALE



Serial Number: E6413595

Model: M24 SWS

RE00087145

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

R & E NUMBER	87145		
SERIAL NUMBER	E6413595		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-2-04	DM
560 A	RE-BARREL	N/A	
B	DRILL AND TAP	N/A	
575	ASSEMBLE		
600	PROOF	N/A	
605	CHECK HEADSPACE	N/A	
610	DIS-ASSEMBLE GUN	N/A	
612	MAGNAFLUX	N/A	
615	ROLLMARK CALIBER	N/A	
618	ROTO-BLAST	11-6-04	LB
620	APPLY COATINGS	11/9	HP
625 A	FINAL ASSEMBLY	11-18-04	RTC
B	TRIGGER PULL TEST	N/A	N/A
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET		
655	FINAL INSPECT	11-23-04	AC
660	PACK	11-24-04	DM
		SHIP DATE	
	QAR INSPECTION DATE		

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: RE00066089

Verify Repair

Serial: E6413504 Model 700 Center Fire Caliber: 7 62 NATO M24 SWS

Repairman:

Status: Closed 6/2/2003 1:01:19 PM

Address Information

Customer: (Received From)	Return To: (Received From)
Name: SUPPLY DIVISION US AIC	SUPPLY DIVISION US AIC
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

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A017	Scope Base	1
A026	Scope	1

Repair Search | Refresh | Close

nagletj 6/2/2003 1:06 PM CAPS NUM INS SCRL

start 3 Inbox... 2 SnagIt Arms Serv... Part Search... Welcome ... 3 Micros... 1:06 PM

E 6413595 (New)

Serial Number: E6413504

Model: 700

RE00066089

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

R & E NUMBER	066089		
SERIAL NUMBER	E6413504	E6413595 (New)	
LOG-IN DATE	6-2-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-3-03	RTL
560 A	RE-BARREL	6-3-03	RTL
B	DRILL AND TAP	6-5-03	TRW
575	ASSEMBLE	6-5-03	RTL
600	PROOF	6-5-03	AC
605	CHECK HEADSPACE	6-5-03	AC
610	DIS-ASSEMBLE GUN	6-5-03	RTL
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	6-17-03	KB
618	ROTO-BLAST	6-17-03	JB
620	APPLY COATINGS	6-18-03	TA
625 A	FINAL ASSEMBLY	6-23-03	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	6-24-03	AC
655	FINAL INSPECT	6-27-03	RTL
660	PACK	6-27-03	DA
		SHIP DATE	
	QAR INSPECTION DATE		

MAGNA-FLUX INSPECTED JUN 4 2003

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

SERIAL # E643595 INSPECTED BY: RTL

DATE REC'D: 6-2-03 DATE RET'D: 6-27-03

ITEM		ITEM	
BARREL ASSEMBLY		STOCK ASSEMBLY	
✓	BARREL	✓	STOCK
✓	RECEIVER	✓	SLING AWIVEL STUDS
✓	FRONT SIGHT BASE	✓	ADJUSTABLE
✓	REAR SIGHT BASE	✓	BUTT PLATE
✓	SCREWS	✓	LOCK NUTS
✓	FINISH	✓	BARREL CLEARANCE
		✓	COLOR / FINISH
SCOPE ASSEMBLY		SYSTEMS CASE	
✓	SCOPE		SCOPE CASE
✓	SCOPE RINGS		IRON SIGHTS
✓	MOUNTING SCREWS		DEPLOYMENT KIT
✓	MOUNTING BASE		
✓	SCREWS		
✓	FINISH	TRIGGER ASSEMBLY	
✓	CLARITY	✓	SAFETY OPERATION
		✓	RE-SET TO FACTORY SPECS
		COMMENTS:	

INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

DATE 6-3-03

TESTER TRW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.40		2.17	MIN. SETTING,
PULL #2	2.09	2.41		2.41	NO AVG. OF 5
PULL #3	2.39	2.44		2.40	READINGS ACCEPT-
PULL #4	2.37	2.53		2.37	ABLE LESS THAN 2
PULL #5	2.36	2.45		2.35	
TOTAL	11.63	12.23		11.70	
AVG.	2.32	2.44		2.34	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.10		
PULL #2	3.24	3.00		
PULL #3	3.23	3.09		
PULL #4	3.11	3.01		
PULL #5	3.19	3.12		
TOTAL	16.07	15.32		
AVG.	3.21	3.06		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCUR
PULL #1	4.41	4.22		4.00
PULL #2	4.37	4.21		4.07
PULL #3	4.21	4.10		4.06
PULL #4	4.26	4.25		3.98
PULL #5	4.23	4.04		4.11
TOTAL	21.48	20.82		20.22
AVG.	4.29	4.16		4.04

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: E6413595.__0
FILE DATE AND TIME: 06/24/2003 06:31

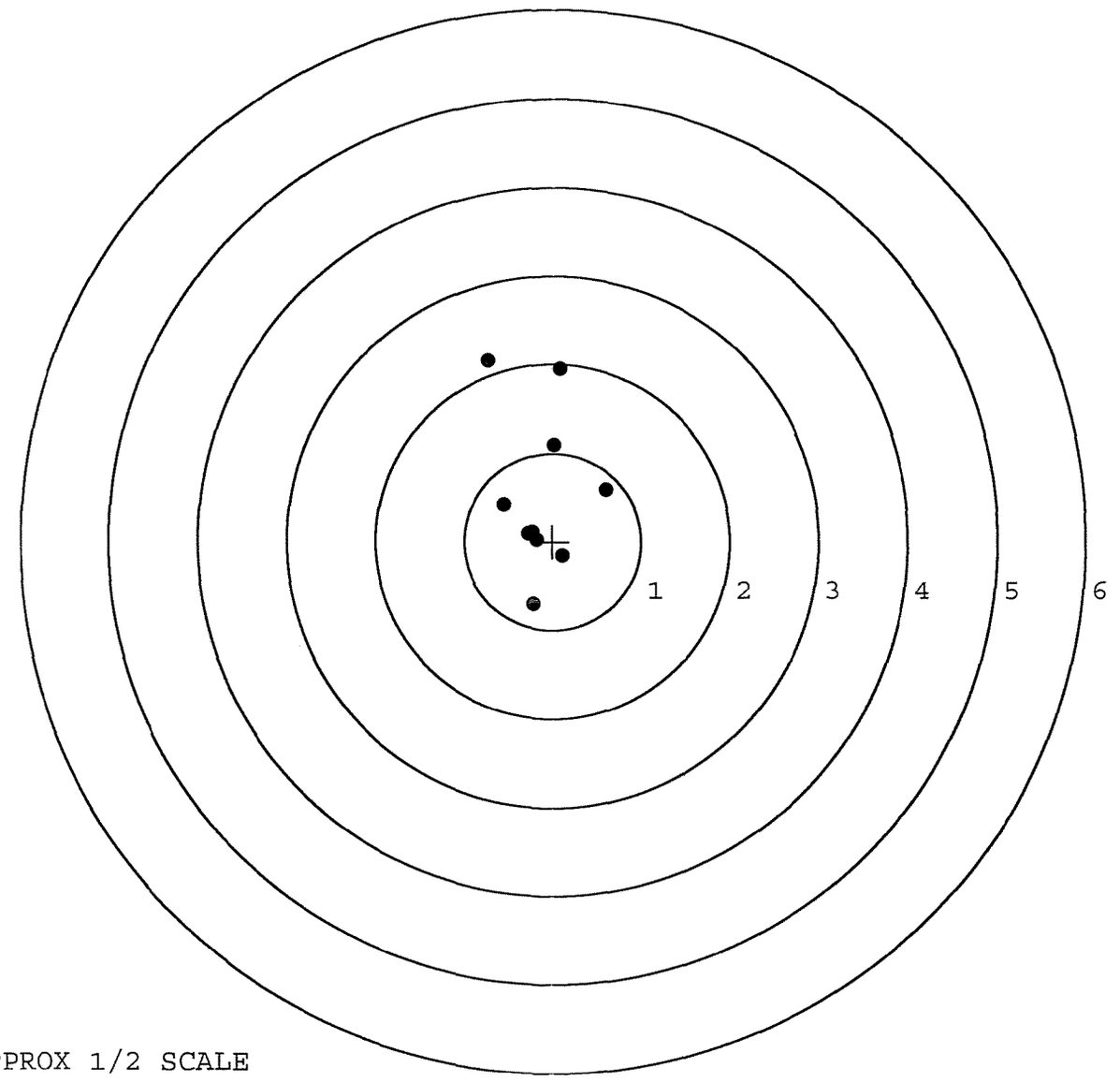
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.080
The Average Y Centroid of the Five Target Set:	0.295
The Average Point of Impact of the Five Target Set:	0.306
The Average Mean Radius of the Five Target Set:	0.730
The Distance from POA to Centroid Target #1:	0.560
The Distance from Centroid Target #2 to Centroid Target #1:	0.414
The Distance from Centroid Target #3 to Centroid Target #1:	0.533
The Distance from Centroid Target #4 to Centroid Target #1:	0.018
The Distance from Centroid Target #5 to Centroid Target #1:	0.473

SERIAL NUMBER: E6413595.__0
TARGET NUMBER: 1
FILE DATE: 06/24/2003
FILE TIME: 06:31

X CENTROID:	-0.138
Y CENTROID:	0.542
POA TO CENTROID:	0.560
HORZ SPREAD:	1.338
VERT SPREAD:	2.748
GROUP SPREAD:	2.796
MIN RADIUS:	0.440
MAX RADIUS:	1.608
MEAN RADIUS:	0.821
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-0.732	2.037
2:	0.081	1.941
3:	0.015	1.091
4:	0.606	0.582
5:	-0.218	-0.711
6:	0.112	-0.164
7:	-0.560	0.415
8:	-0.227	0.110
9:	-0.181	0.026
10:	-0.280	0.095

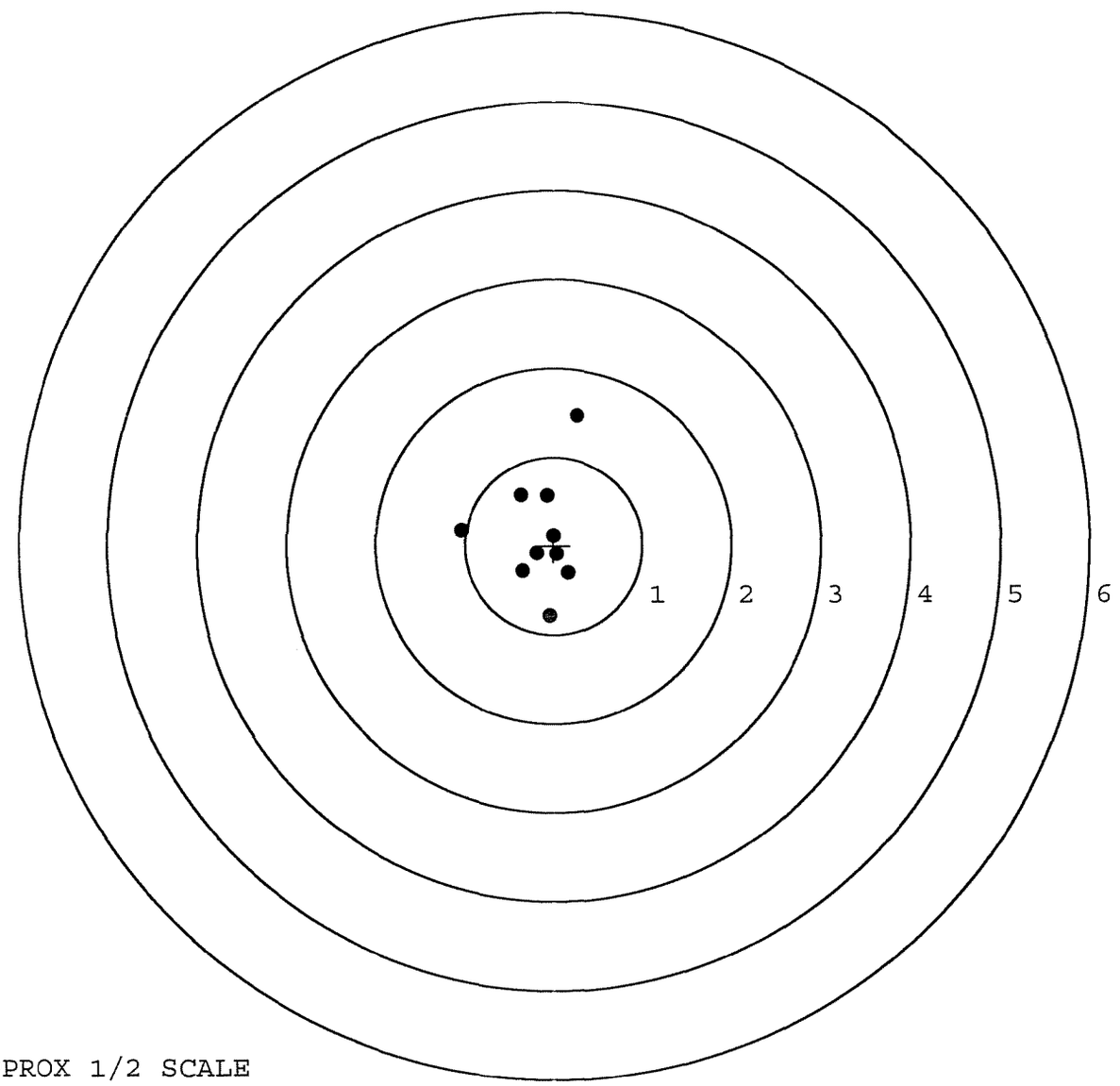


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413595.__0
TARGET NUMBER: 2
FILE DATE: 06/24/2003
FILE TIME: 06:31

X CENTROID:	-0.161
Y CENTROID:	0.129
POA TO CENTROID:	0.207
HORZ SPREAD:	1.303
VERT SPREAD:	2.264
GROUP SPREAD:	2.285
MIN RADIUS:	0.161
MAX RADIUS:	1.402
MEAN RADIUS:	0.583
# IN 1 IN DIAMETER:	6
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.262	1.466
2:	-0.080	0.561
3:	-0.367	0.572
4:	-1.041	0.169
5:	-0.348	-0.288
6:	-0.047	-0.798
7:	0.165	-0.311
8:	-0.002	0.108
9:	-0.189	-0.090
10:	0.035	-0.096

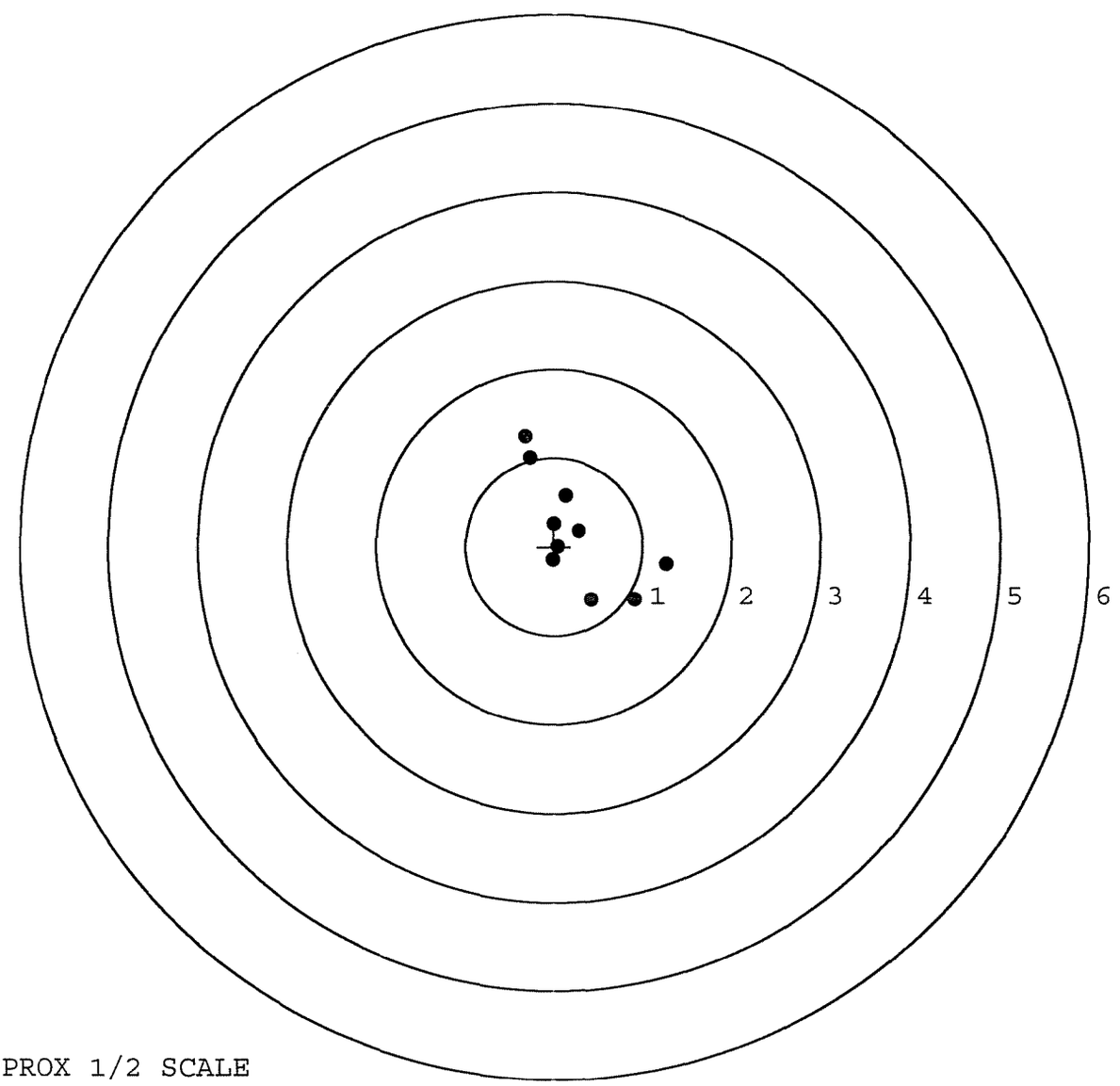


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413595.__0
TARGET NUMBER: 3
FILE DATE: 06/24/2003
FILE TIME: 06:31

X CENTROID:	0.243
Y CENTROID:	0.169
POA TO CENTROID:	0.296
HORZ SPREAD:	1.588
VERT SPREAD:	1.834
GROUP SPREAD:	2.212
MIN RADIUS:	0.033
MAX RADIUS:	1.209
MEAN RADIUS:	0.644
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.328	1.235
2:	-0.272	0.994
3:	0.127	0.569
4:	0.275	0.174
5:	1.260	-0.197
6:	0.913	-0.596
7:	0.421	-0.599
8:	-0.019	-0.149
9:	0.006	0.256
10:	0.042	0.002

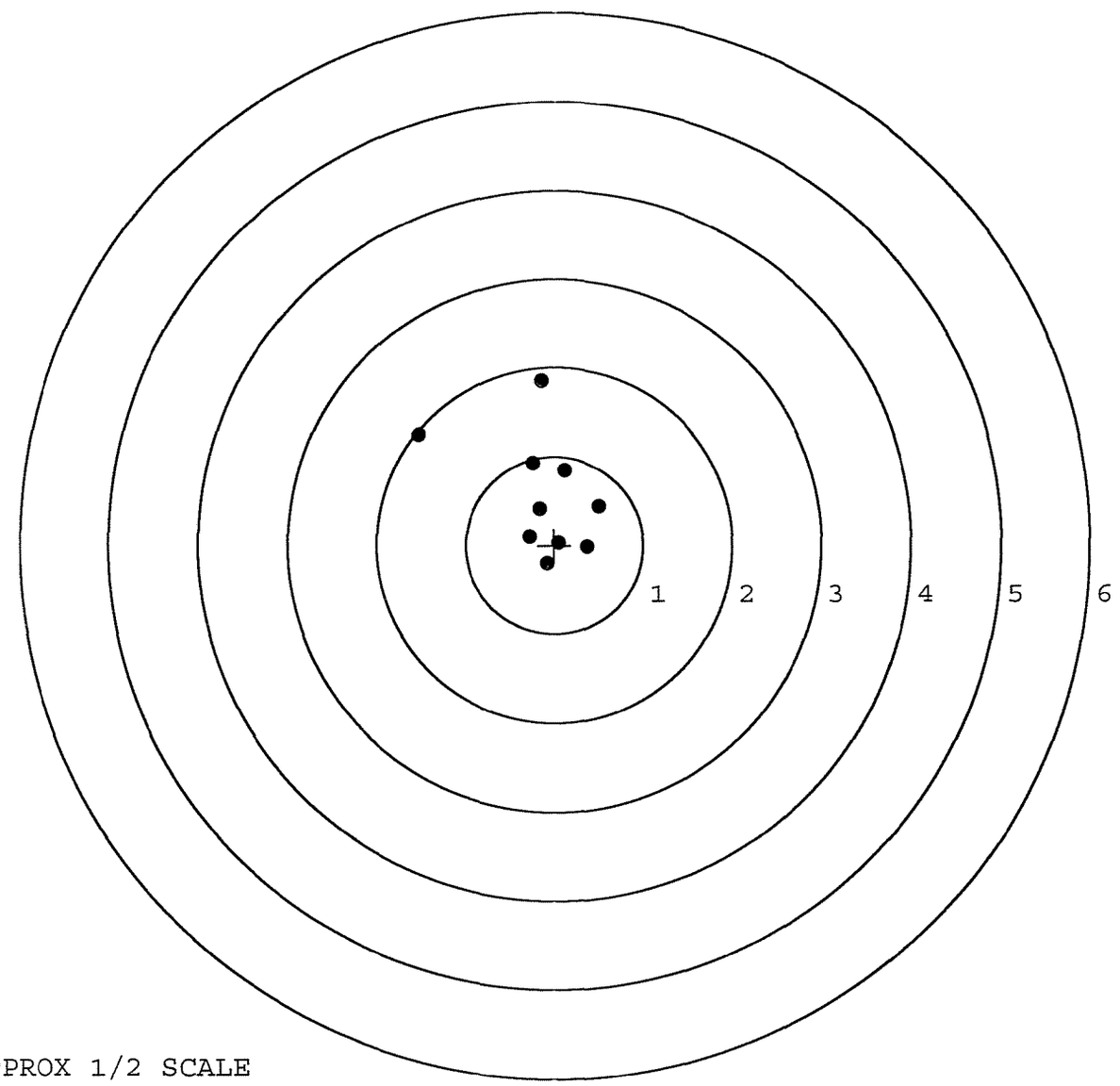


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413595.__0
TARGET NUMBER: 4
FILE DATE: 06/24/2003
FILE TIME: 06:31

X CENTROID:	-0.139
Y CENTROID:	0.560
POA TO CENTROID:	0.577
HORZ SPREAD:	2.031
VERT SPREAD:	2.056
GROUP SPREAD:	2.278
MIN RADIUS:	0.150
MAX RADIUS:	1.543
MEAN RADIUS:	0.698
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-0.149	1.844
2:	-1.527	1.234
3:	-0.243	0.922
4:	0.117	0.843
5:	0.504	0.445
6:	0.378	-0.015
7:	-0.167	0.413
8:	-0.274	0.098
9:	-0.081	-0.212
10:	0.050	0.031

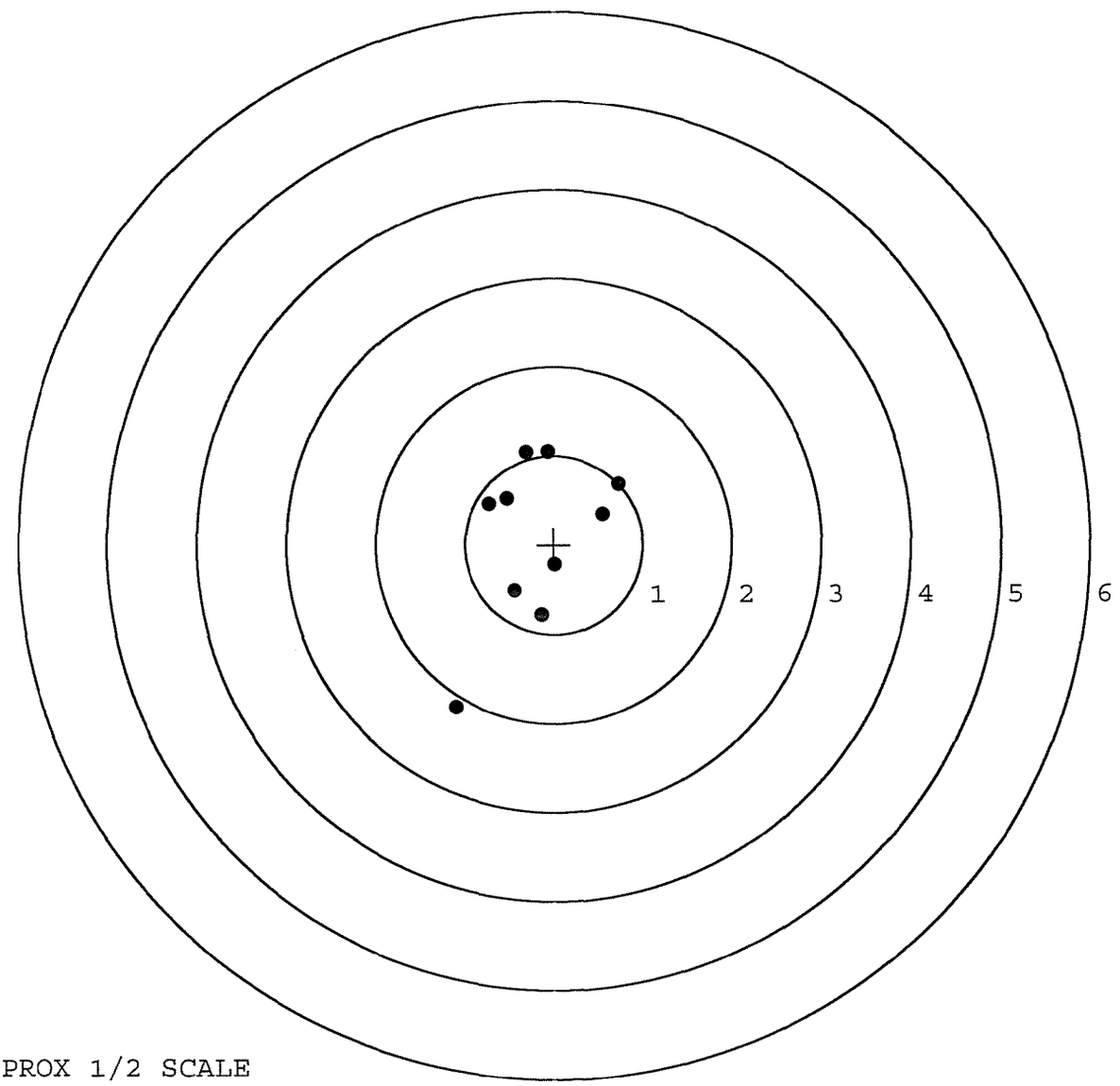


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413595.__0
TARGET NUMBER: 5
FILE DATE: 06/24/2003
FILE TIME: 06:31

X CENTROID:	-0.204
Y CENTROID:	0.074
POA TO CENTROID:	0.217
HORZ SPREAD:	1.830
VERT SPREAD:	2.865
GROUP SPREAD:	3.104
MIN RADIUS:	0.369
MAX RADIUS:	2.099
MEAN RADIUS:	0.903
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-0.071	1.042
2:	-0.312	1.040
3:	-0.728	0.458
4:	-0.528	0.518
5:	0.727	0.684
6:	0.553	0.346
7:	0.012	-0.225
8:	-0.444	-0.515
9:	-0.144	-0.787
10:	-1.103	-1.823



TARGET APPROX 1/2 SCALE