

C6587672

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400024

ST TO PROTECTIVE ORDER

Repair Inquiry

Repair Number: RE00133337

Serial: C6587672 Model M24 SWS Center Fire
Caliber: 308

Repairman:

Verify Repair

Status:

Closed 8/28/2007 1:53:27 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: FB4484 305 APS/TRTC

FB4484 305 APS/TRTC

Address 1: 1757 VANDENBERG AVE

1757 VANDENBERG AVE

Address 2: PO Box:

PO Box:

City: MCGUIRE AFB

MCGUIRE AFB

State: NJ Zip Code: 08641-5270

Country: US

State: NJ Zip Code: 08641-5270

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
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
B000	DEPLOYMENT KIT	1
B001	SCOPE CASE	1
R002	FRONT REAR RAS	1

Repair Search

Refresh

Close

nagletj

8/28/2007

2:11 PM

CAPS

NUM

INS

SCRL

start

3 Mic...

5 Int...

Micros...

Part S...

Arms S...

SAP Lo...

2:11 PM

CONVERT TO

M24A1'S

(USAF PROPERTY)

Serial
Number:

C6587672

Model: M24 SWS



RE00133337

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

DA FORM 3104 APR 1970

1a. UIC CUSTOMER W46917		1b. CUSTOMER UNIT NAME SASC		1c. PHONE NO		3a. WORK ORDER NUMBER (WON)		3b. SHOP		3c. PHONE NO					
2a. SAMS-2 UIC/SAMS-I/TDA			2b. UTILIZATION CODE DN		2c. MCSR		4a. UIC SUPPORT UNIT			4b. SUPPORT UNIT NAME					
SECTION III - EQUIPMENT DATA															
5. TYPE MNT REQ CODE		6. ID		7. NSN 1005 01 240 2136		15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751									
8. MODEL M24		9. NOUN 762mm SWS		10a. ORG WON/DOC NO		10b. EIC		15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code) See DA Pamphlets 738-750 and 738-751		16. MILES/KILOMETERS/HOURS/ROUNDS M K H R					
11. SERIAL NUMBER 6587672			12. QTY 0001		13. PD 02		17. PROJECT CODE (if assigned)		18. ACCOUNT PROCESSING CODE		19. IN WARRANTY? (enter Y or N)		20. ADMIN NO		
14. MALFUNCTION DESCRIPTION (for DSU, GSU/AVIM, DEPOT use) Fail Function Test						21. REIMBURSABLE CUSTOMER (if Intransit customer enter Y or N)						22. LEVEL OF WORK		23. SIGNATURE	

24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not prescribe repairs)													
25. REMARKS Repair as needed POC: Al Bennett SASC, Camp Aguinaldo, Bldg T-PAR (732) 532-2607 Ext 6203													
26. TECHNICAL REFERENCES													

SECTION IV - TASK REQUIREMENTS DATA									
27a. FILE INPUT ACT CD	27b. TASK NO	27c. ACT CODE	27d. TASK DESCRIPTION	27e. QTY TO BE RPR	27f. WORK CENTER	27g. FAILURE CODE	27h. MH PROJ	27i. MH EXP	

SECTION V - PART REQUIREMENTS											
28a. FILE INPUT ACT CD	28b. TASK NO	28c. ID NO	28d. NSN OR PART NUMBER	28e. SFX CD	28f. QTY RQD	28g. QTY ISSUED	28h. NMCS CD	28i. FAILURE CODE	28j. STORAGE LOCATION	28k. INITIALS	28l. COST \$
28m. TOTAL MANHOURS			28n. TOTAL MANHOURS COSTS \$			28o. TOTAL PARTS COSTS \$					

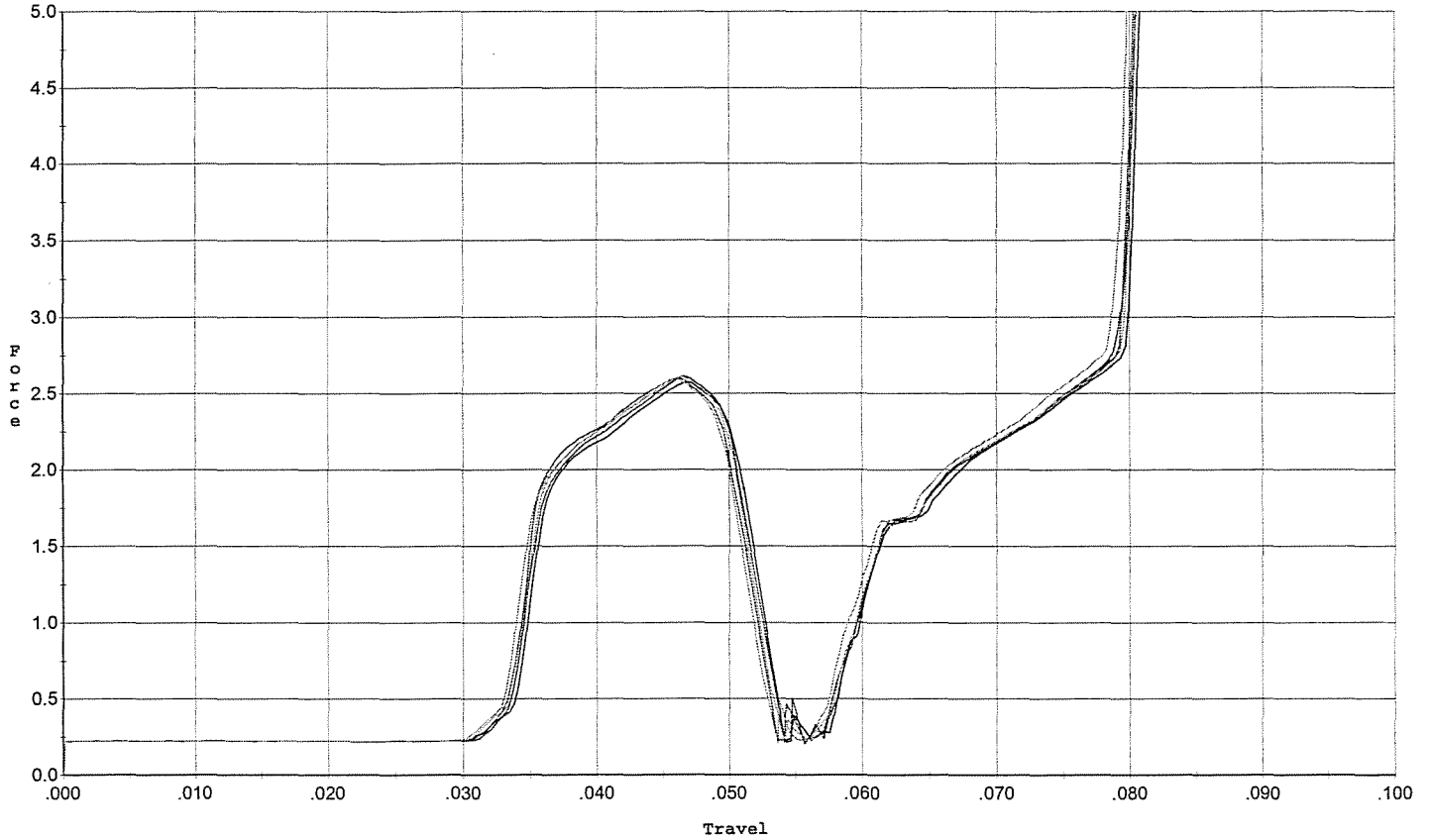
SECTION VI - COMPLETION DATA									
29. QTY RPR		30. QTY CONDEMN		31. QTY NRTS		32. EVAC WON		33. EVAC UNIT NAME	

SECTION VII - ACTION SIGNATURES																							
34a. SUBMITTED BY		35a. ACCEPTED BY		35c. DATE		36a. WORK STARTED BY		37a. INSPECTED BY		38a. PICKED UP BY													
34b. DATE		35b. STATUS		35d. TIME		36b. STATUS		36c. DATE		36d. TIME		37b. STATUS		37c. DATE		37d. TIME		38b. STATUS		38c. DATE		38d. TIME	

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/30/07

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



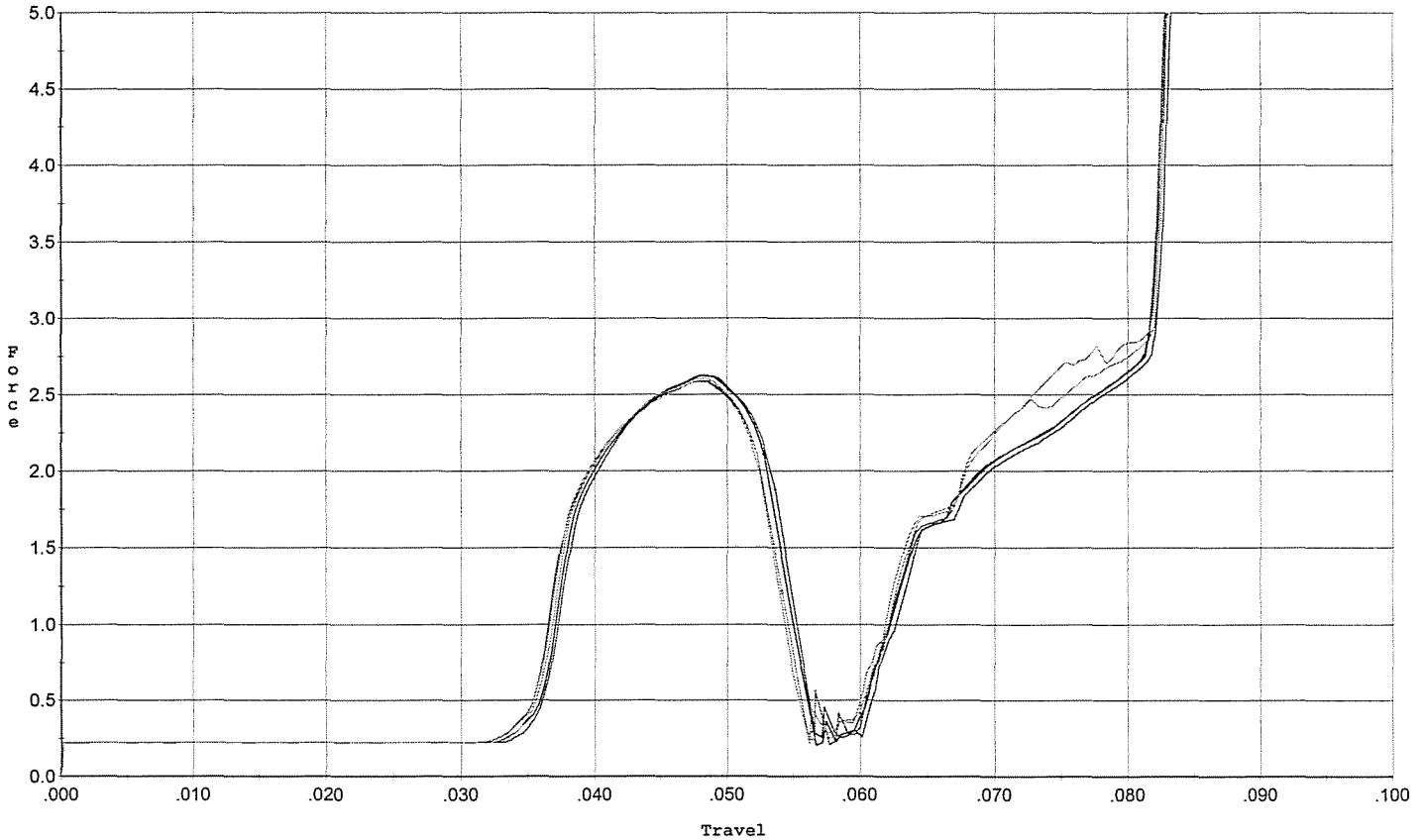
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.614	0.050	0.034	0.035	0.045		Set Trigger
2	2.572	0.051	0.034	0.035	0.046		Set Trigger
3	2.601	0.051	0.033	0.035	0.046		Set Trigger
4	2.609	0.050	0.034	0.035	0.045		Set Trigger
5	2.596	0.050	0.033	0.034	0.045		Set Trigger

Avg 2.59

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/30/07

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



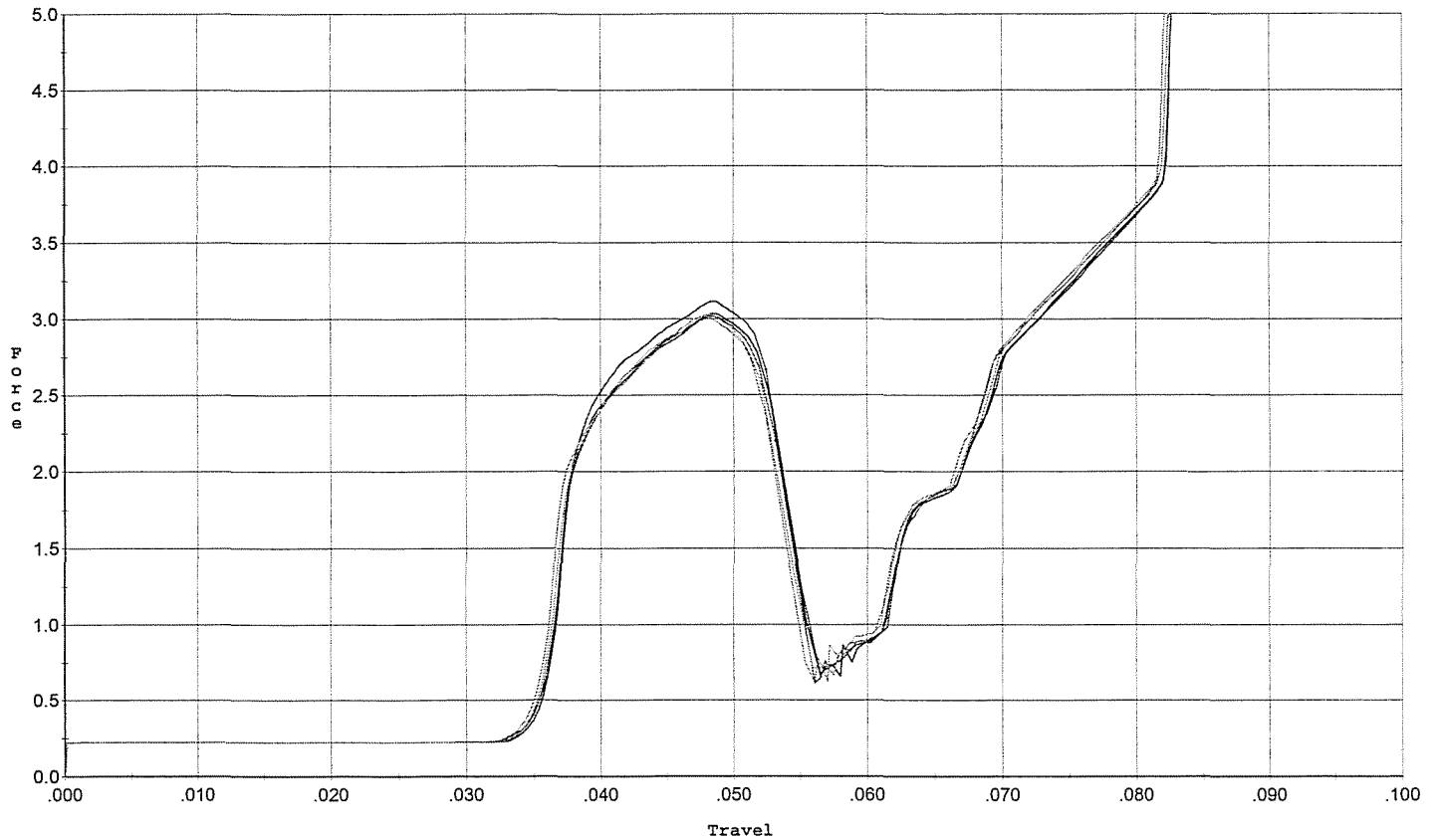
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.623	0.054	0.036	0.036	0.047		Set Trigger
2	2.625	0.053	0.036	0.036	0.046		Set Trigger
3	2.588	0.054	0.035	0.036	0.047		Set Trigger
4	2.582	0.052	0.035	0.036	0.046		Set Trigger
5	2.602	0.054	0.035	0.036	0.047		Set Trigger

Avg 2.60

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/30/07

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



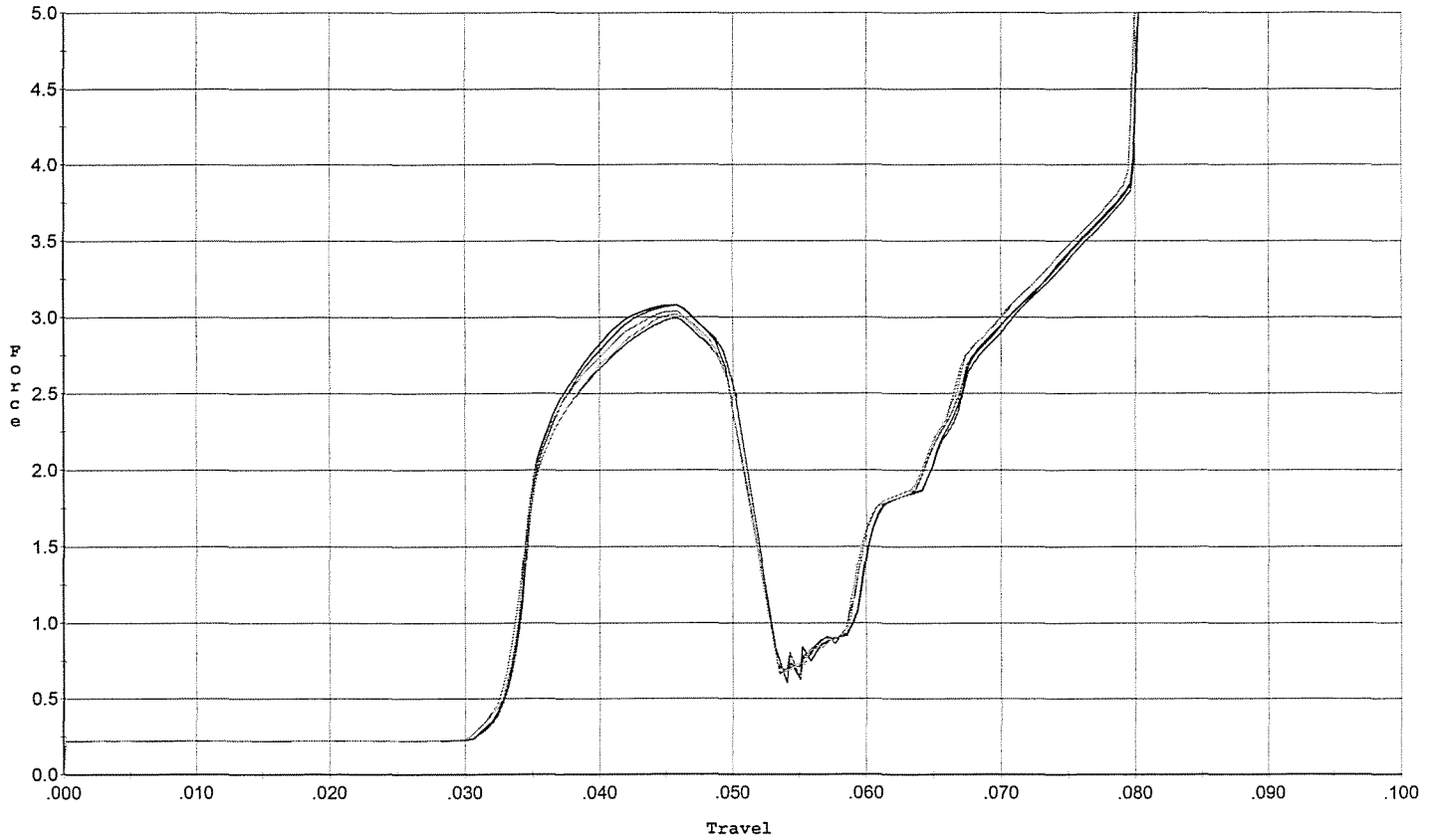
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.112	0.052	0.035	0.035	0.054		Set Trigger
2	3.034	0.053	0.035	0.035	0.053		Set Trigger
3	3.020	0.053	0.035	0.035	0.053		Set Trigger
4	3.027	0.052	0.035	0.036	0.052		Set Trigger
5	3.021	0.052	0.035	0.035	0.052		Set Trigger

Avg 3.04

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/30/07

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



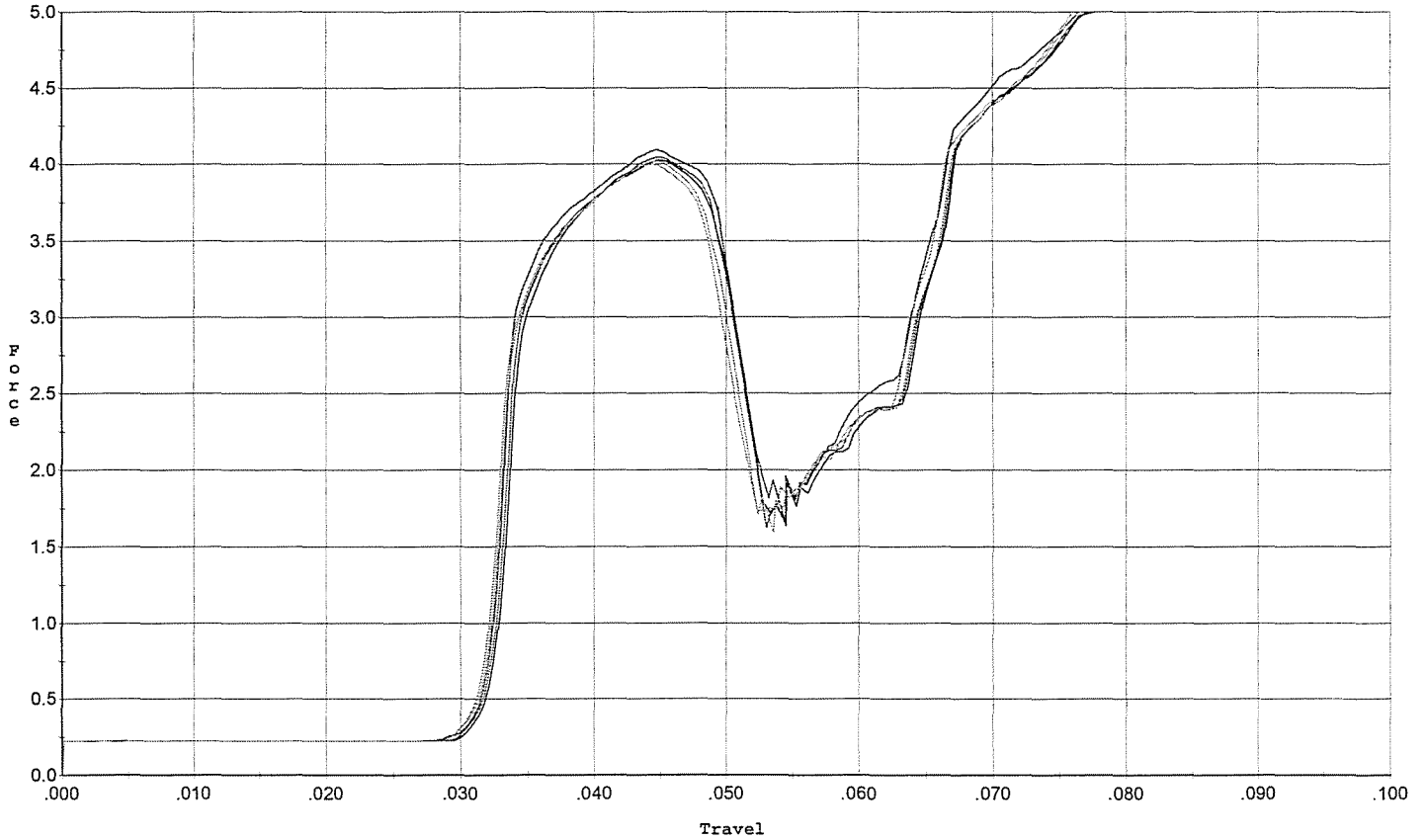
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.077	0.050	0.032	0.034	0.053		Set Trigger
2	3.080	0.051	0.032	0.034	0.055		Set Trigger
3	2.989	0.051	0.033	0.034	0.053		Set Trigger
4	3.015	0.051	0.033	0.034	0.053		Set Trigger
5	3.035	0.050	0.032	0.034	0.052		Set Trigger

Avg 3.03

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/30/07

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



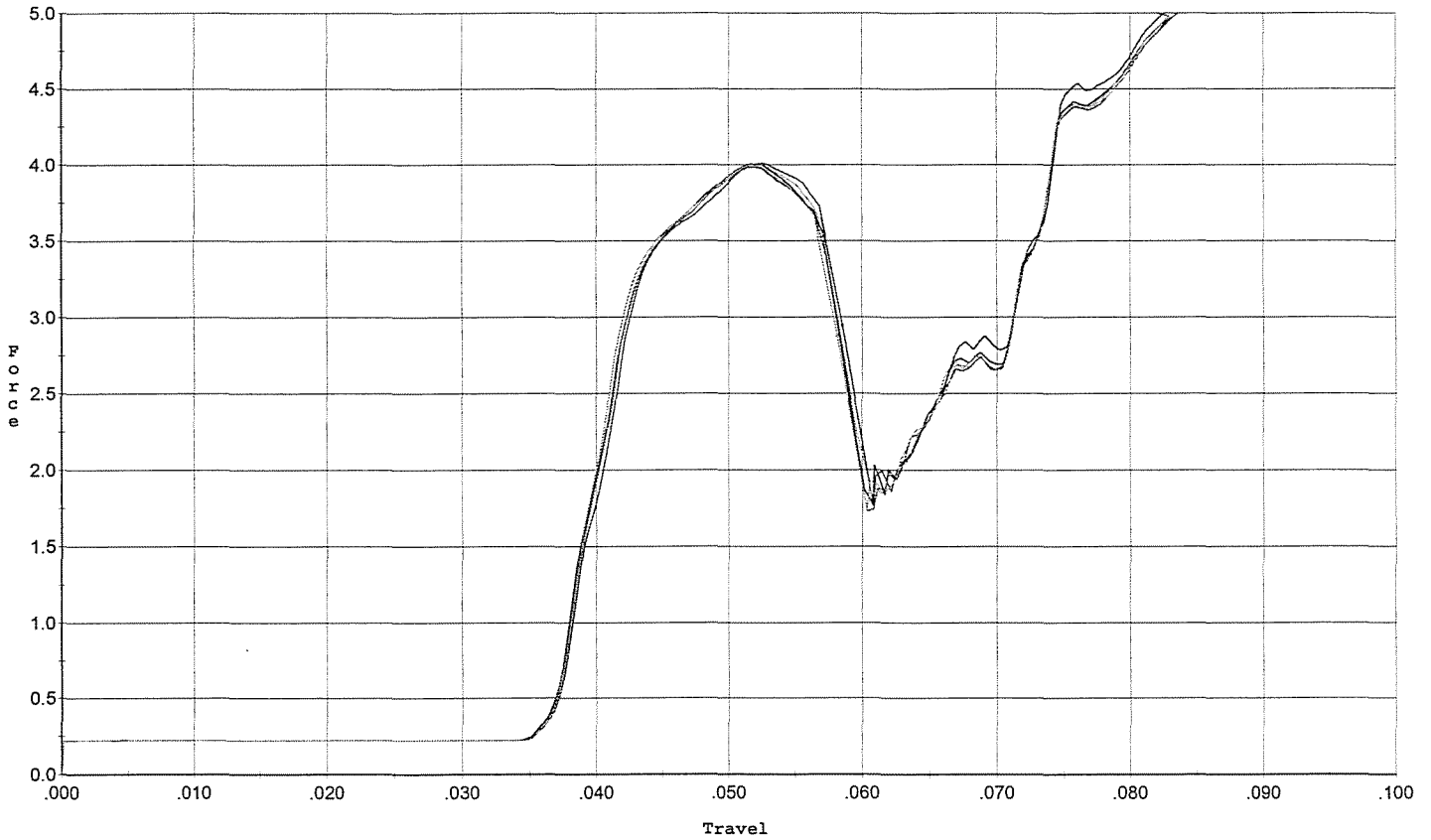
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.093	0.049	0.031	0.032	0.073		Set Trigger
2	4.024	0.050	0.031	0.033	0.071		Set Trigger
3	4.047	0.050	0.031	0.032	0.072		Set Trigger
4	4.003	0.049	0.031	0.032	0.069		Set Trigger
5	4.021	0.049	0.031	0.032	0.070		Set Trigger

AVG 4.03

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/30/07

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



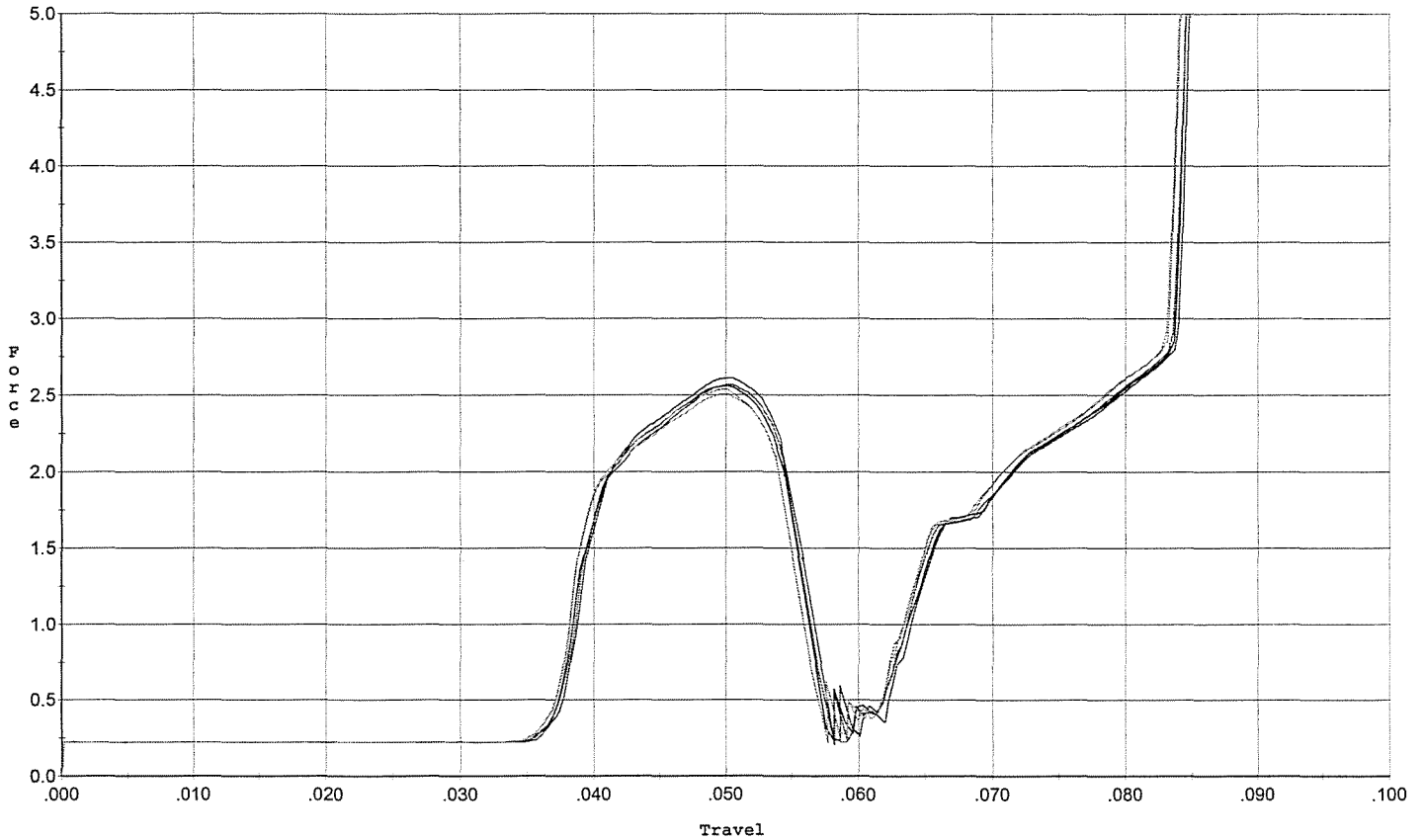
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.011	0.059	0.037	0.033	0.078		Set Trigger
2	4.007	0.057	0.037	0.033	0.077		Set Trigger
3	3.986	0.057	0.037	0.033	0.076		Set Trigger
4	4.007	0.057	0.037	0.033	0.076		Set Trigger
5	3.996	0.058	0.036	0.033	0.078		Set Trigger

AVG 4.00

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/30/07

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



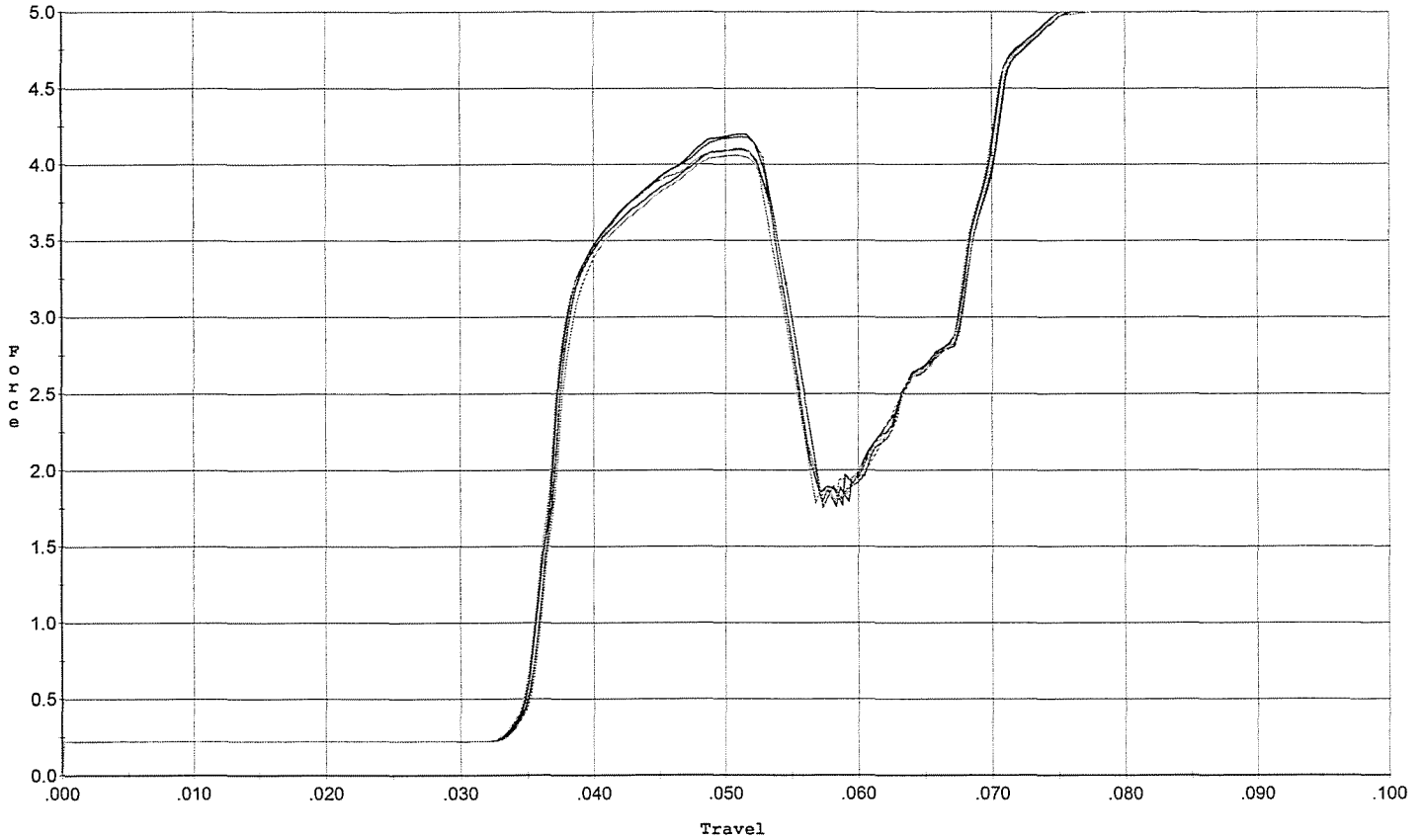
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.607	0.056	0.037	0.036	0.048		Set Trigger
2	2.560	0.054	0.037	0.036	0.046		Set Trigger
3	2.567	0.054	0.037	0.037	0.046		Set Trigger
4	2.507	0.054	0.037	0.036	0.045		Set Trigger
5	2.538	0.054	0.037	0.036	0.045		Set Trigger

AVG 2.55

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 10/30/07

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



#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.096	0.053	0.034	0.033	0.074		Set Trigger
2	4.197	0.053	0.034	0.033	0.076		Set Trigger
3	4.181	0.055	0.034	0.032	0.078		Set Trigger
4	4.060	0.053	0.035	0.033	0.074		Set Trigger
5	4.108	0.054	0.034	0.033	0.077		Set Trigger

AVG 4.12

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587672.___0
FILE DATE AND TIME: 10/31/2007 21:46

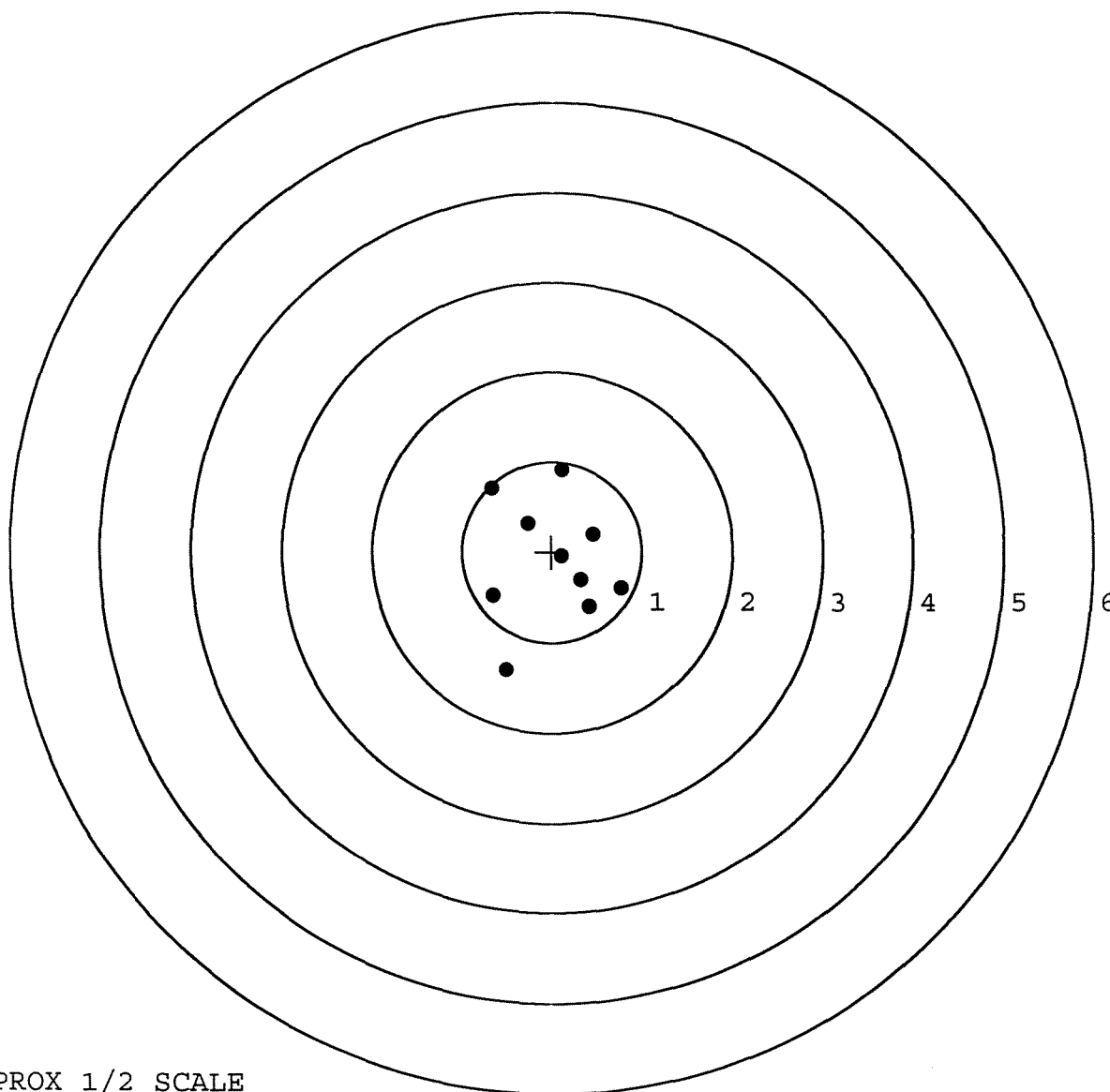
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.103
The Average Y Centroid of the Five Target Set:	0.030
The Average Point of Impact of the Five Target Set:	0.107
The Average Mean Radius of the Five Target Set:	0.651
The Distance from POA to Centroid Target #1:	0.105
The Distance from Centroid Target #2 to Centroid Target #1:	0.234
The Distance from Centroid Target #3 to Centroid Target #1:	0.317
The Distance from Centroid Target #4 to Centroid Target #1:	0.226
The Distance from Centroid Target #5 to Centroid Target #1:	0.062

SERIAL NUMBER: C6587672.___0
TARGET NUMBER: 1
FILE DATE: 10/31/2007
FILE TIME: 21:46

X CENTROID: 0.009
Y CENTROID: -0.104
POA TO CENTROID: 0.105
HORZ SPREAD: 1.442
VERT SPREAD: 2.214
GROUP SPREAD: 2.301
MIN RADIUS: 0.113
MAX RADIUS: 1.310
MEAN RADIUS: 0.716
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.268	0.319
2:	-0.673	0.704
3:	0.115	0.907
4:	0.461	0.200
5:	0.108	-0.050
6:	0.325	-0.314
7:	0.420	-0.607
8:	0.769	-0.405
9:	-0.654	-0.489
10:	-0.511	-1.307

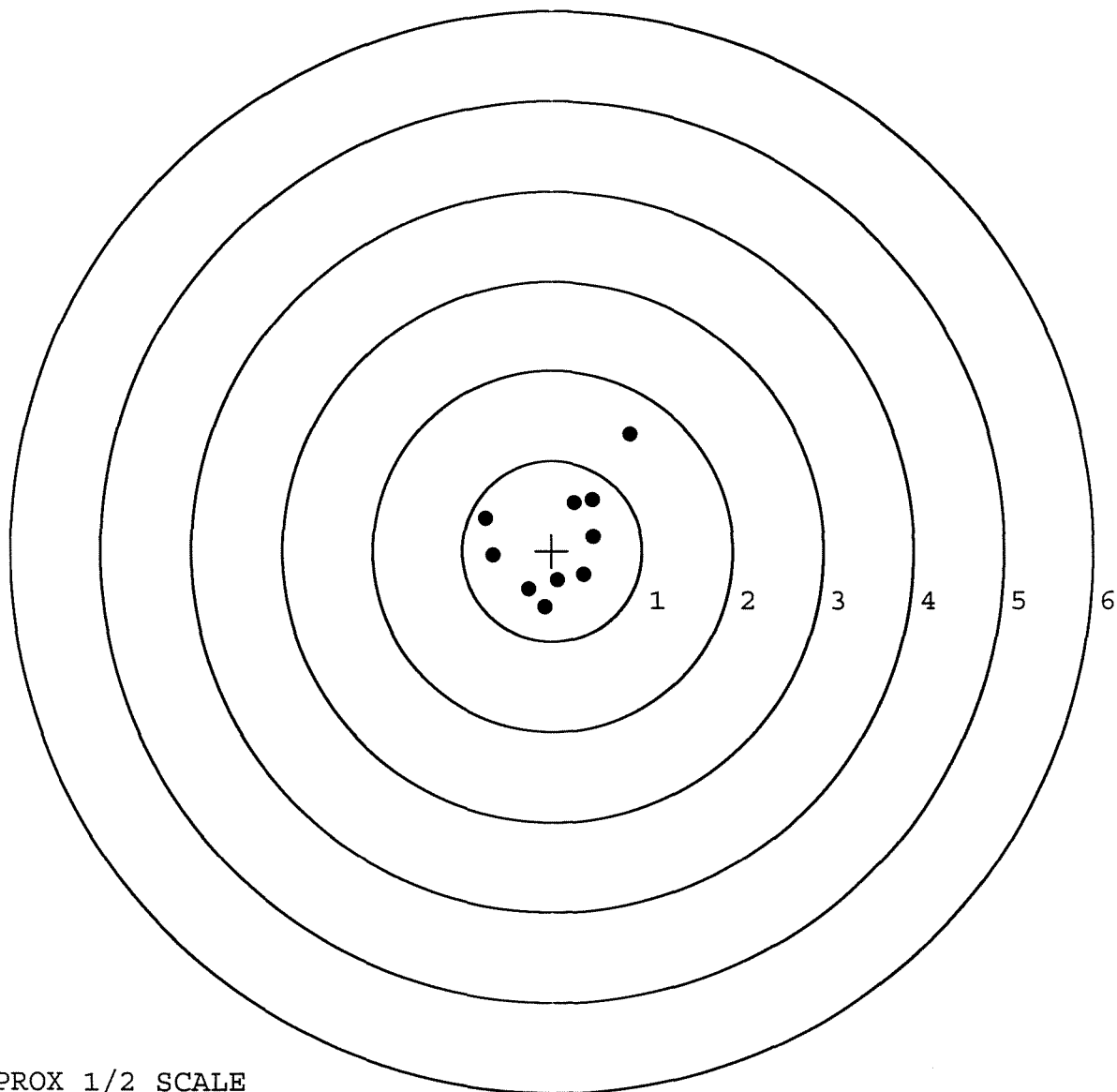


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587672. __0
TARGET NUMBER: 2
FILE DATE: 10/31/2007
FILE TIME: 21:46

X CENTROID: 0.070
Y CENTROID: 0.122
POA TO CENTROID: 0.140
HORZ SPREAD: 1.609
VERT SPREAD: 1.919
GROUP SPREAD: 2.142
MIN RADIUS: 0.393
MAX RADIUS: 1.414
MEAN RADIUS: 0.679
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.247	0.538
2:	0.450	0.573
3:	0.869	1.289
4:	-0.740	0.360
5:	-0.658	-0.047
6:	-0.264	-0.431
7:	0.063	-0.331
8:	-0.082	-0.630
9:	0.356	-0.266
10:	0.461	0.162

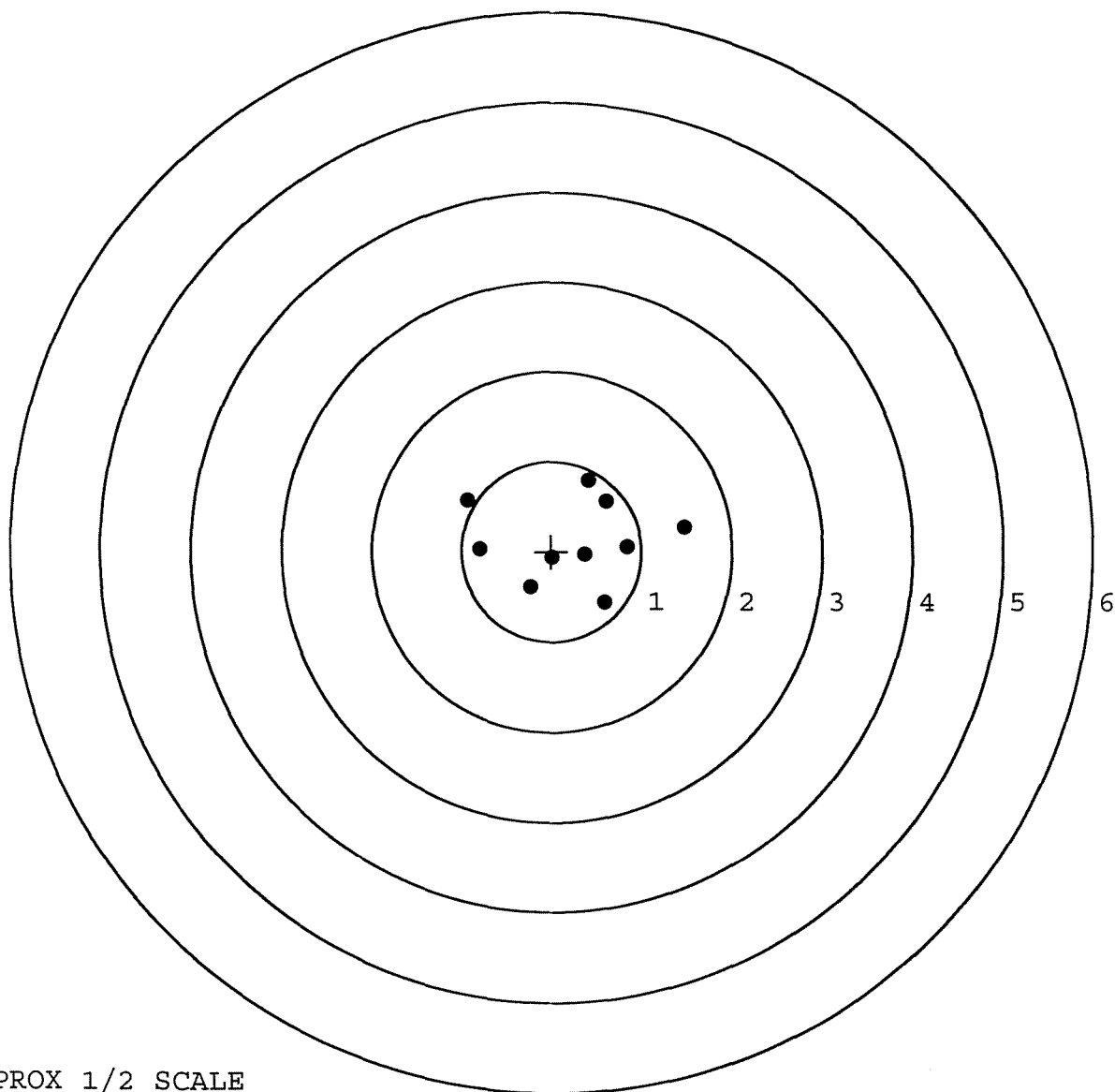


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587672. __0
TARGET NUMBER: 3
FILE DATE: 10/31/2007
FILE TIME: 21:46

X CENTROID: 0.235
Y CENTROID: 0.118
POA TO CENTROID: 0.264
HORZ SPREAD: 2.410
VERT SPREAD: 1.359
GROUP SPREAD: 2.427
MIN RADIUS: 0.209
MAX RADIUS: 1.254
MEAN RADIUS: 0.740
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.418	0.789
2:	0.607	0.555
3:	-0.937	0.564
4:	-0.797	0.024
5:	0.597	-0.570
6:	0.844	0.055
7:	1.473	0.276
8:	0.377	-0.035
9:	0.007	-0.069
10:	-0.234	-0.406



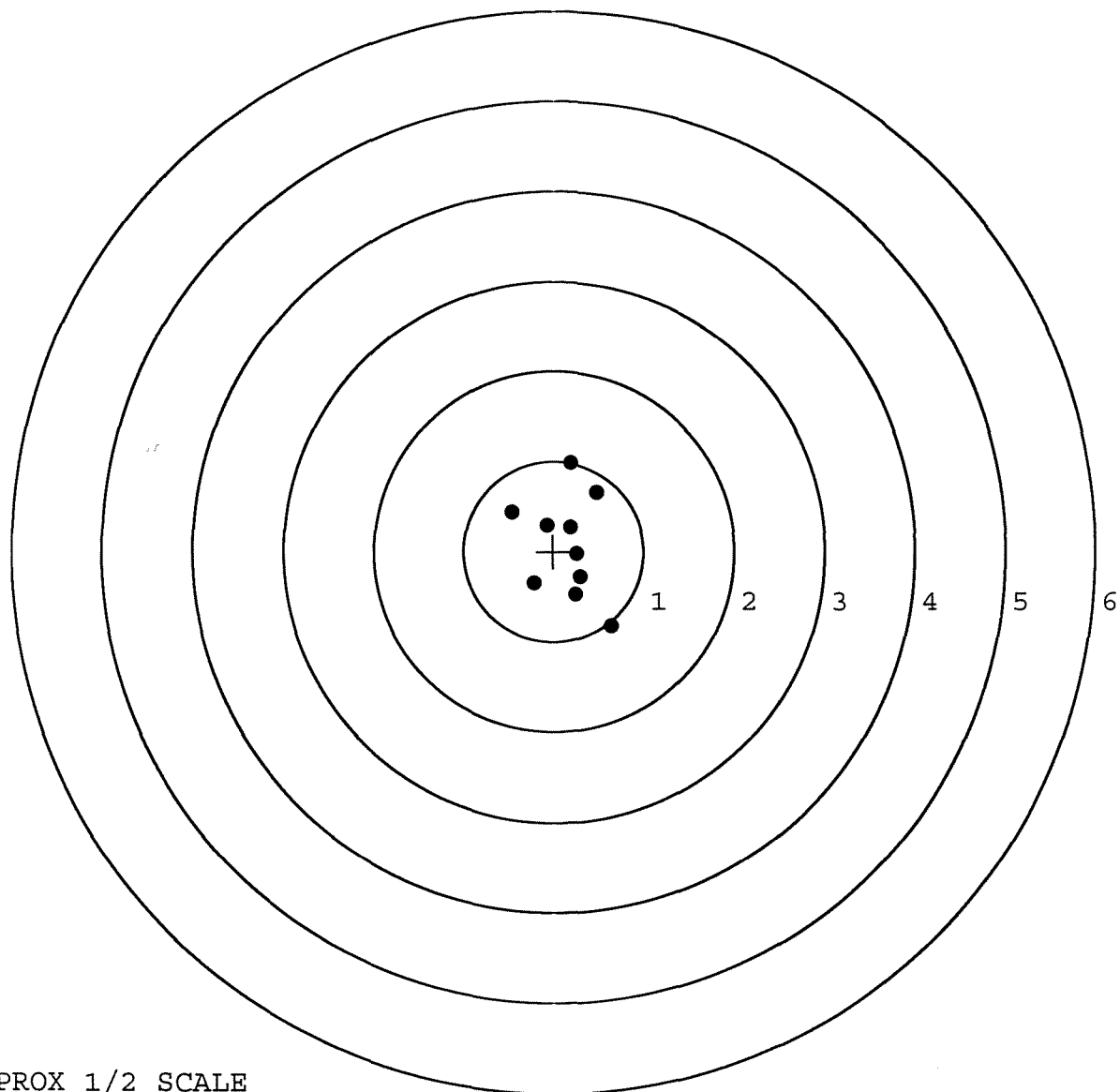
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587672. __0
TARGET NUMBER: 4
FILE DATE: 10/31/2007
FILE TIME: 21:46

X CENTROID: 0.158
Y CENTROID: 0.066
POA TO CENTROID: 0.171
HORZ SPREAD: 1.106
VERT SPREAD: 1.809
GROUP SPREAD: 1.863
MIN RADIUS: 0.144
MAX RADIUS: 1.016
MEAN RADIUS: 0.550

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.462	0.439
2:	-0.077	0.292
3:	0.189	0.267
4:	0.266	-0.029
5:	0.644	-0.827
6:	0.251	-0.483
7:	-0.214	-0.357
8:	0.197	0.982
9:	0.482	0.656
10:	0.304	-0.284

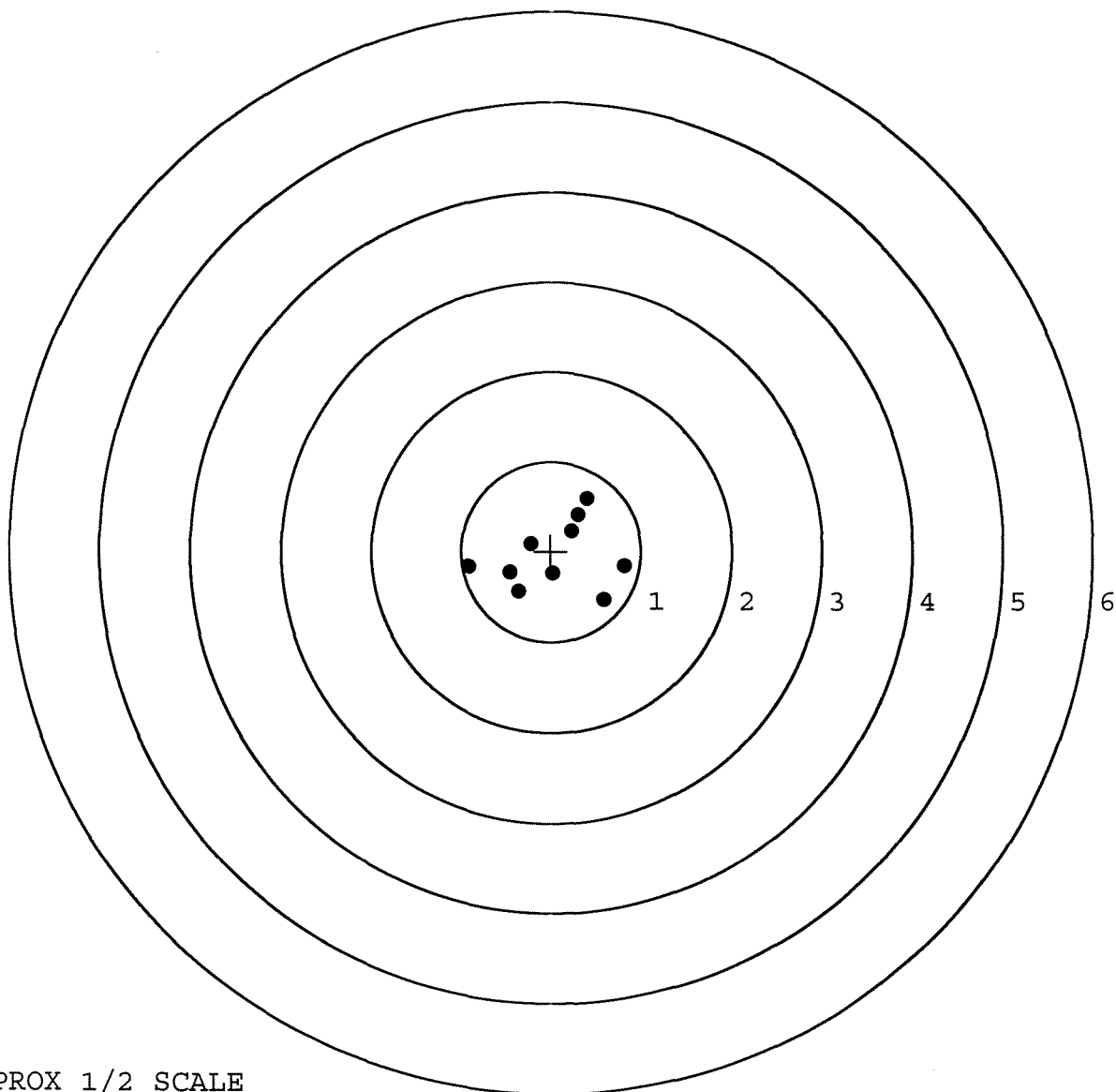


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587672. __0
TARGET NUMBER: 5
FILE DATE: 10/31/2007
FILE TIME: 21:46

X CENTROID: 0.040
Y CENTROID: -0.051
POA TO CENTROID: 0.065
HORZ SPREAD: 1.732
VERT SPREAD: 1.128
GROUP SPREAD: 1.732
MIN RADIUS: 0.201
MAX RADIUS: 0.963
MEAN RADIUS: 0.568
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.232	0.226
2:	0.302	0.411
3:	0.406	0.591
4:	-0.221	0.080
5:	0.021	-0.251
6:	-0.366	-0.451
7:	-0.459	-0.237
8:	-0.915	-0.172
9:	0.817	-0.166
10:	0.587	-0.537



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		133337	
SERIAL NUMBER		C6587672	
LOG-IN DATE		8-28-07	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	10-22-07	RTZ
505	RE-BARREL	10-22-07	RTZ
560	ASSEMBLE	10-22-07	RTZ
600	PROOF	10-22-07	TRW
605	CHECK HEADSPACE	10-22-07	TRW
610	DIS-ASSEMBLE GUN	10-23-07	RTZ
612	MAGNAFLUX	10-23-07	JB
510	DRILL AND TAP		
615	ROLLMARK CALIBER	10-23-07	CW
618	ROTO-BLAST	10-24-07	(LG)
620	APPLY COATINGS	10-25-07	EB
625	FINAL ASSEMBLY	10-31-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	10/31/07 m
650	TARGET	PASS FAIL	10/31/07 m
	MALFUNCTION Bolt release sticks	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		
	A) HEADSPACE	PASS FAIL	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	
		2.54 2.58 2.55 2.60 2.57	11-7-07 OA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	
		55 55 55	11-7-07 OA
	G) SAFETY OFF FORCE	2 LBS MIN	
		3.5 3.5 3.5	11-7-07 OA
	I) FIRING PIN INDENT	.020	
		.021 .021 .021	11-7-07 OA
690	PACK		11-19-07 OA

Remington®



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

MODEL 700™ M24

SERIAL NO.
C6587672

ORDER NO.
5716

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

01



5716 C6587672

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

M2400025000

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6587672

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/22/90	KA
600	Proof		10/22/90	KA
607	Check Headspace		10/22/90	KA
610	Dis-assemble Gun		10/22/90	KA
612	Magnaflux Barrel Action		10/24/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GS
617	Drill and Tap Sight Holes		10/25/90	FB
618	Polish Barrel <i>RB</i>		10/26/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/8/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/8/90	KS
	C) Inspect Ejector Hole for Chamfer		11/8/90	KS
	D) Oil Firing Pin Ass'y		11/8/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11/15/90	SH

Op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			11/15/90	WB
	G) Safety Off Force	3	3	3			11/15/90	WB
	H) Trigger Pull Test & Retainability						11-15-90	JH
	I) Firing Pin Indent	.0215	.022	.022			11/15/90	WB
	J) Assemble Stock						11/15/90	KS
	K) Assemble Swivel Studs						11-20-90	DH
	L) Attach Front and Rear Sight Assemblies						11/15/90	KS
	M) Iron Sight Alignment						11/15/90	KS
	N) Detach Front & Rear Sights & place in numbered container						11/15/90	KS
	O) Attach Scope to Rifle						11/15/90	KS
	P) Detach & Attach Scope 20 Times						11/15/90	KS
640	Gallery Target & Test						11-14-90	KF
	A) Time						11-16-90	KF
	B) Malfunctions						11-16-90	KF
	C) Pierced Primers						11-16-90	KF
	D) Optical Clarity of Scope						11-16-90	KF
645	Inspect for Live Ammo						11-16-90	KF
655	Final Inspection						11-20-90	DH
	A) Headspace						11-20-90	DH
	B) Trigger Pull	2.15	2.21	2.19	2.30	2.27	11-20-90	DH
	C) Function						11-20-90	DH
660	Pack						12/19/90	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CL587672

DATE 11-15-90

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.19	2.17	2.34	215	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.25	2.43	221	
PULL #3	2.32	2.28	2.23	219	
PULL #4	2.22	2.33	2.21	230	
PULL #5	2.27	2.34	2.26	222	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.27		
PULL #2	3.47	3.46		
PULL #3	3.23	3.38		
PULL #4	3.36	3.24		
PULL #5	3.44	3.28		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO. 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.50		4.33
PULL #2	4.38	4.36		4.35
PULL #3	4.27	4.46		4.21
PULL #4	4.40	4.40		4.26
PULL #5	4.37	4.43		4.36
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587672
17 Nov 1990

CENTROIDAL DISTANCES

Ø TO	1	.0417852
1 TO	2	.23164
1 TO	3	.0823468
1 TO	4	.237489
1 TO	5	.121211

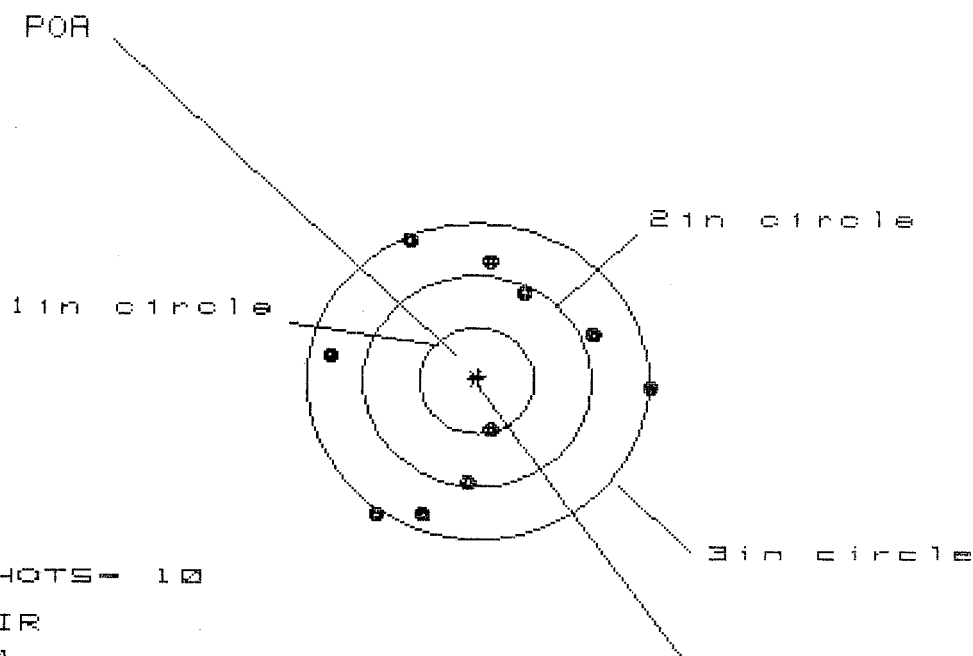
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0488
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0138
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0507137
THE AMR FOR THIS RIFLE IS: .8244

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CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in - 1

2in - 3

3in = 8

HS= 2.799

VS= 2.643

GS= 2.820

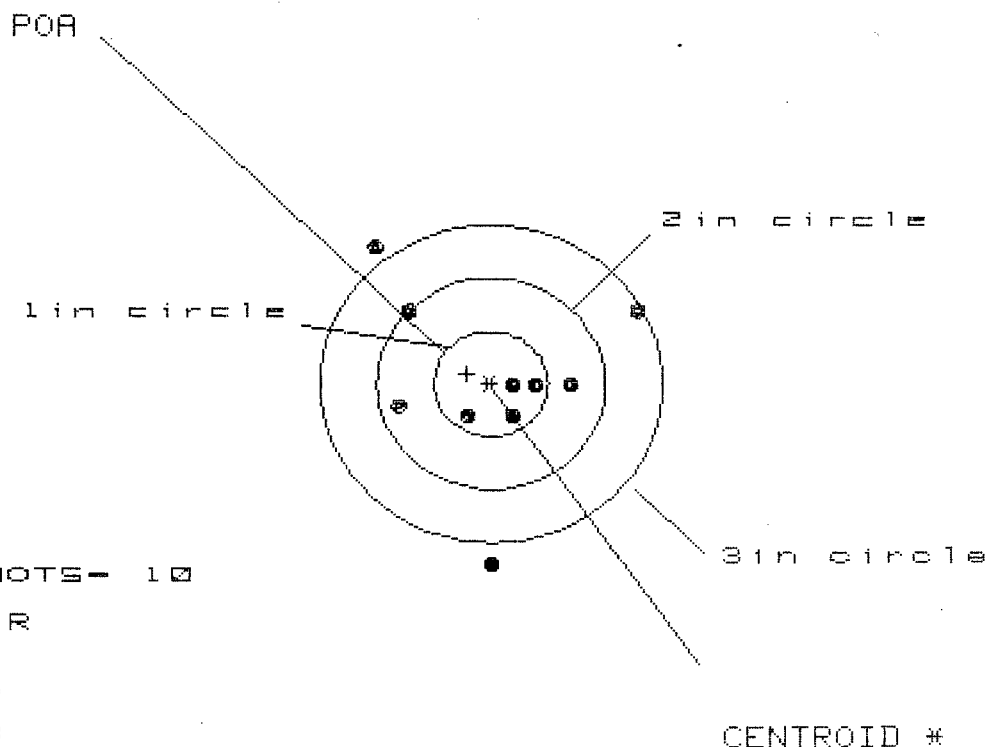
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.508	1.414	1.141
MINIMUM X	:	-1.291	-1.385	-1.208
MAXIMUM Y	:	1.338	1.193	1.166
MINIMUM Y	:	-1.305	-1.398	-1.425
CENTROID X	:	-.015	.078	-.098
CENTROID Y	:	-.039	.106	.132
POA TO CENTROID in.:	:	.042	.131	.165
MIN RADIUS	:	.475	.601	.664
MEAN RADIUS	:	1.189	1.137	1.099
MAX RADIUS	:	1.554	1.495	1.468
HORIZONTAL SPREAD	:	2.799	2.799	2.350
VERTICAL SPREAD	:	2.643	2.591	2.591
EXTREME SPREAD	:	2.820	2.820	2.595
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	8		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 2.279

VS= 3.001

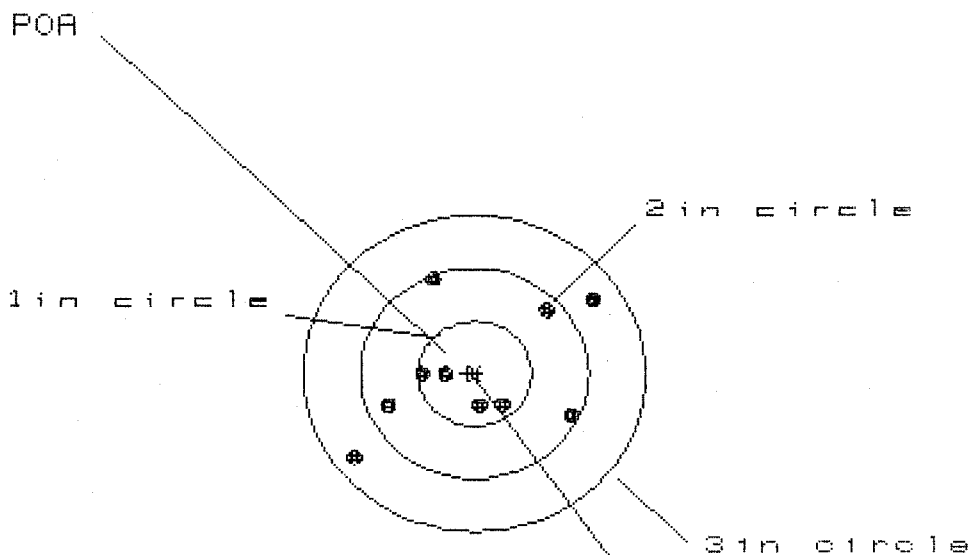
GS= 3.178

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.244	1.245	1.116
MINIMUM X	:	-1.035	-1.034	-.900
MAXIMUM Y	:	1.265	1.073	.679
MINIMUM Y	:	-1.736	-.531	-.397
CENTROID X	:	.209	.208	.337
CENTROID Y	:	-.098	.095	-.039
POA TO CENTROID in.	:	.230	.228	.339
MIN RADIUS	:	.177	.288	.105
MEAN RADIUS	:	.850	.783	.625
MAX RADIUS	:	1.736	1.490	1.306
HORIZONTAL SPREAD	:	2.279	2.279	2.016
VERTICAL SPREAD	:	3.001	1.604	1.076
EXTREME SPREAD	:	3.178	2.339	2.232
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in - 4

2 in - 8

3 in - 10

HS- 2.125

VS= 1.682

GS= 2.597

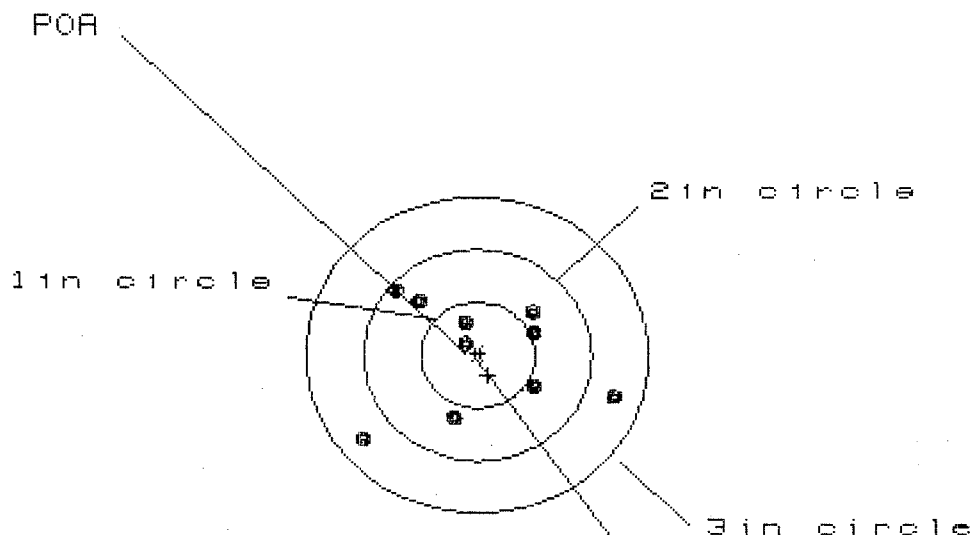
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.024	.901	.854
MINIMUM X	:	-1.101	-.840	-.727
MAXIMUM Y	:	.855	.763	.834
MINIMUM Y	:	-.827	-.526	-.455
CENTROID X	:	.060	.183	.070
CENTROID Y	:	-.005	.087	.016
POA TO CENTROID in.	:	.060	.202	.072
MIN RADIUS	:	.218	.355	.230
MEAN RADIUS	:	.749	.697	.616
MAX RADIUS	:	1.377	1.068	.967
HORIZONTAL SPREAD	:	2.125	1.741	1.581
VERTICAL SPREAD	:	1.682	1.289	1.289
EXTREME SPREAD	:	2.597	1.984	1.797
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in - 2

2in - 8

3in - 10

HS- 2.153

VS= 1.315

GS= 2.180

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.171	.654	.548
MINIMUM X	:	-.982	-.852	-.708
MAXIMUM Y	:	.569	.524	.425
MINIMUM Y	:	-.746	-.791	-.721
CENTROID X	:	-.091	-.221	-.115
CENTROID Y	:	.186	.231	.330
POA TO CENTROID in.	:	.207	.320	.350
MIN RADIUS	:	.167	.049	.126
MEAN RADIUS	:	.695	.616	.530
MAX RADIUS	:	1.240	1.163	.826
HORIZONTAL SPREAD	:	2.153	1.506	1.256
VERTICAL SPREAD	:	1.315	1.315	1.146
EXTREME SPREAD	:	2.180	1.860	1.534
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS - 10

IN CIR

1in = 3

2in = 9

3in = 10

HS= 2.096

VS= 1.154

GS= 2.159

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.627	.464	.309
MINIMUM X	:	-1.469	-.610	-.552
MAXIMUM Y	:	.652	.673	.634
MINIMUM Y	:	-.502	-.481	-.520
CENTROID X	:	.081	.244	.186
CENTROID Y	:	-.113	-.134	-.095
POA TO CENTROID in.	:	.139	.278	.209
MIN RADIUS	:	.296	.179	.240
MEAN RADIUS	:	.639	.505	.507
MAX RADIUS	:	1.481	.763	.694
HORIZONTAL SPREAD	:	2.096	1.074	.861
VERTICAL SPREAD	:	1.154	1.154	1.154
EXTREME SPREAD	:	2.159	1.320	1.170
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	