

C6225522

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER

164341

SERIAL NUMBER

C6225522

LOG-IN DATE

3-11-09

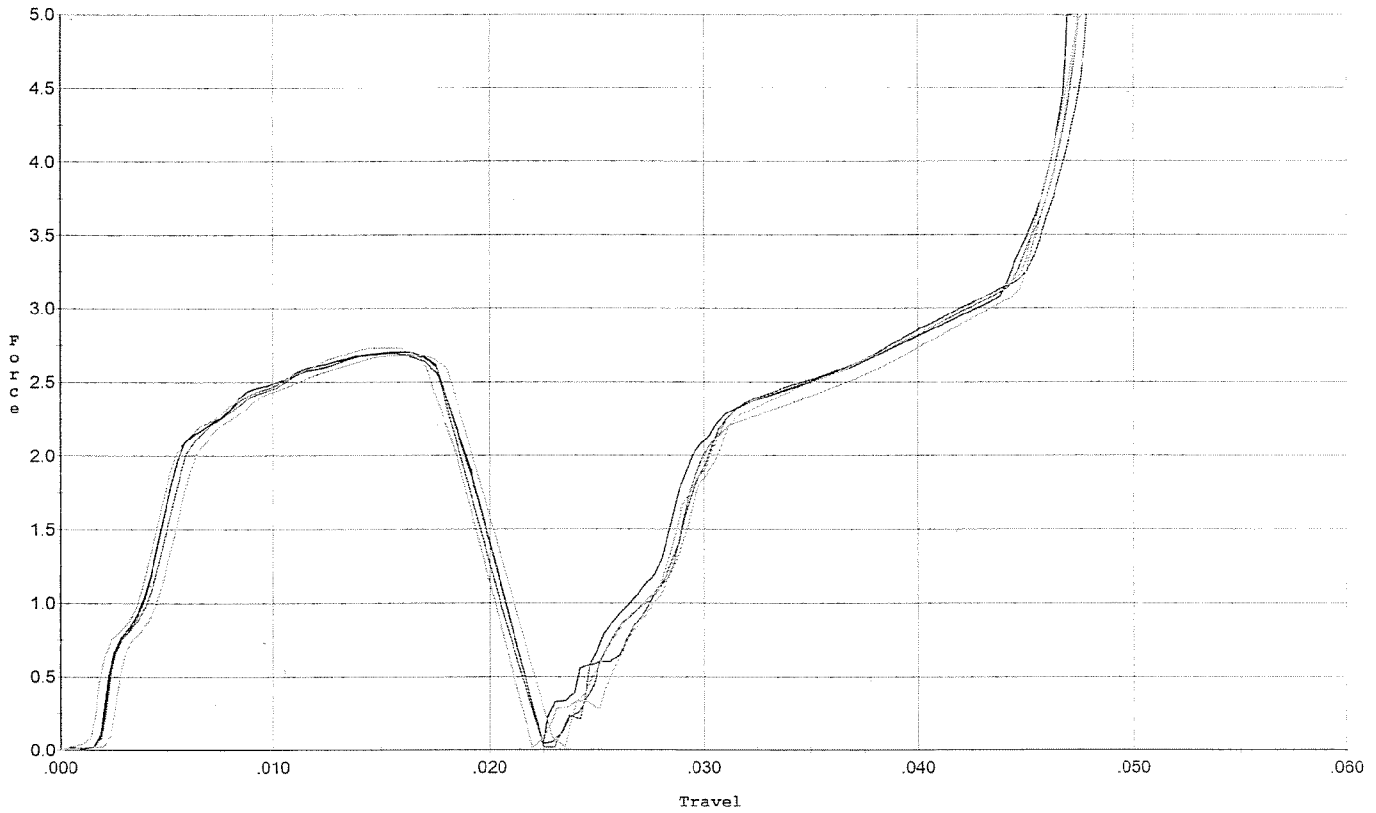
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	3-12-09	RTZ
505	RE-BARREL	3-16-09	RTZ
420	ASSEMBLE	3-16-09	RTZ
440	PROOF	MAGNA-FLUX 3-17-09	TE
460	CHECK HEADSPACE	3-17-09	TE
470	DIS-ASSEMBLE GUN	3-17-09	RTZ
480	MAGNAFLUX	OPERATOR <u>(D)</u> 3-20-09	<u>(D)</u>
510	DRILL AND TAP	3-17-09	SP
500	ROLLMARK CALIBER	3-24-09	RT
520	GOFF BLAST BBL / REC	3-24	BT
530 & 540	APPLY COATINGS	3-31	
560	FINAL ASSEMBLY	4-2-09	RTZ
640	FUNCTION TEST AND	<u>PASS</u> FAIL	4-2-09 RP
650	TARGET	<u>PASS</u> FAIL	4-2-09 RP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION A) HEADSPACE	<u>PASS</u> FAIL	4-7-09 <u>SP</u>
	B) TRIGGER PULL	<u>2.55</u> <u>2.55</u> <u>2.59</u> <u>2.58</u> <u>2.4</u>	4-4-09 <u>SP</u>
680	F) SAFETY ON FORCE	<u>7.0</u> <u>7.0</u> <u>7.0</u>	
	G) SAFETY OFF FORCE	<u>3.5</u> <u>3.5</u> <u>3.5</u>	
	I) FIRING PIN INDENT	<u>.022</u> <u>.022</u> <u>.022</u>	
690	PACK	4-13-09	<u>SP</u>

F006 REV 1/2009

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: C Schults 3/11/2009

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



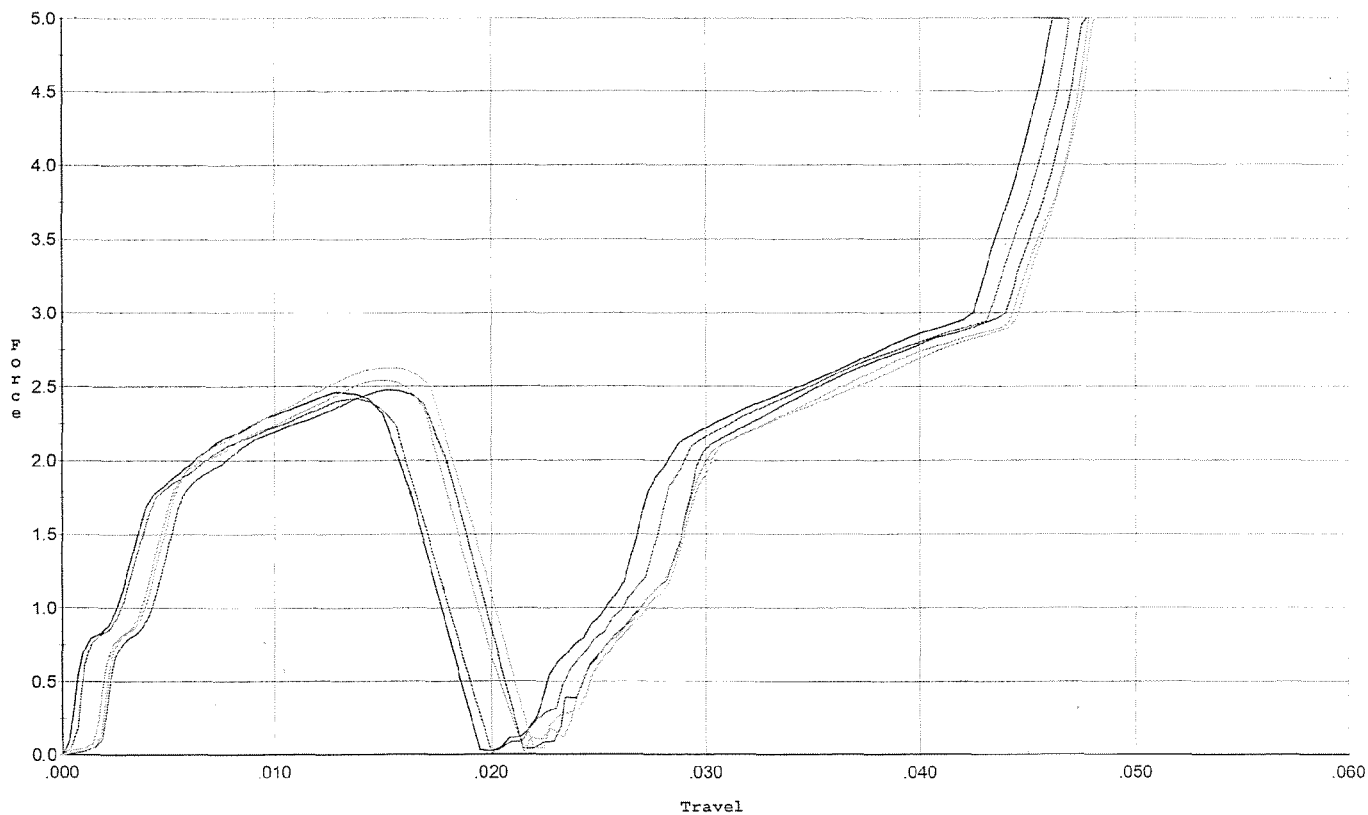
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.696	0.018	0.00	0.032	0.033		Set Trigger
2	2.704	0.019	0.00	0.031	0.035		Set Trigger
3	2.694	0.019	0.002	0.031	0.035		Set Trigger
4	2.682	0.020	0.002	0.032	0.036		Set Trigger
5	2.734	0.018	0.00	0.032	0.034		Set Trigger

A-2.70

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: C Schults 3/11/2009

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



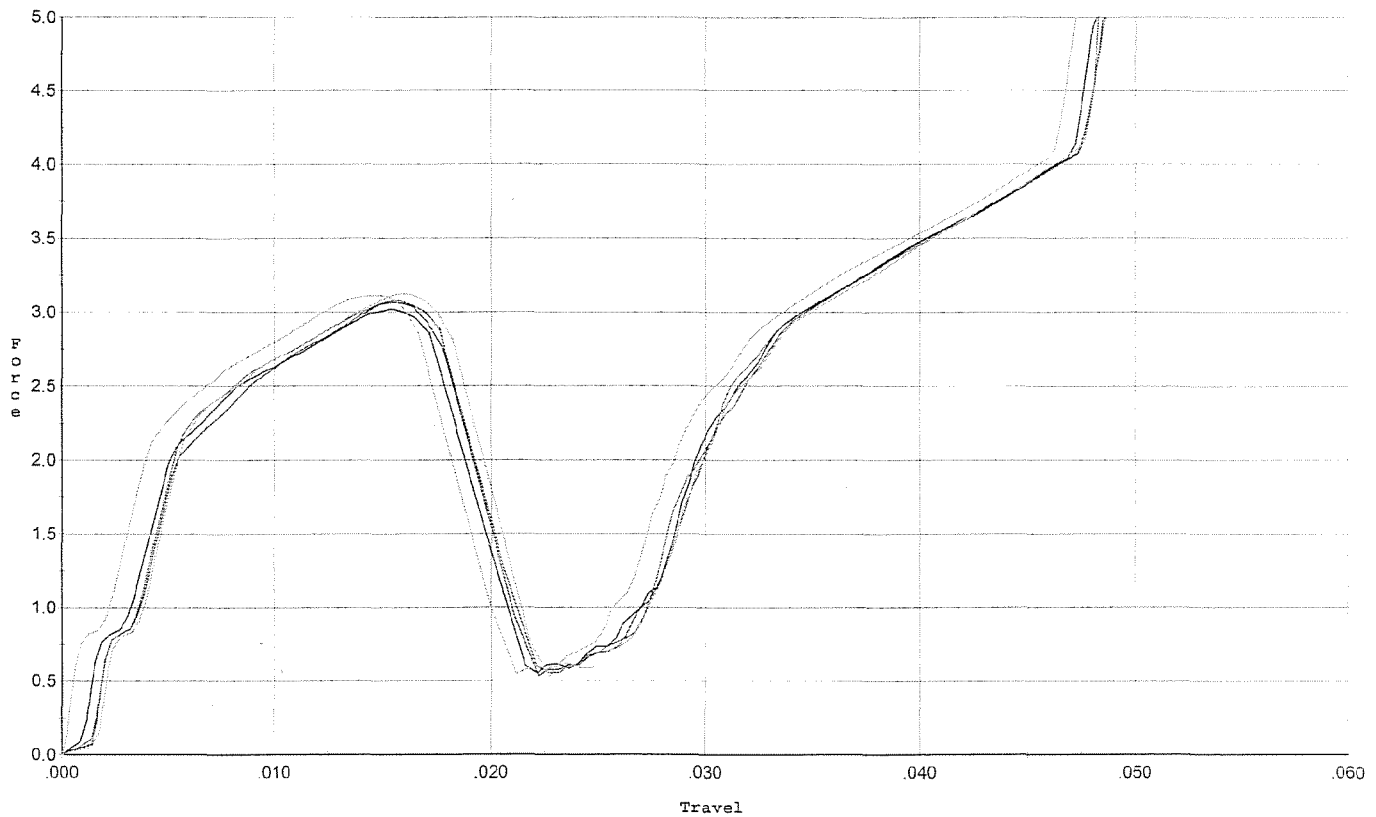
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.477	0.018	0.00	0.033	0.030		Set Trigger
2	2.456	0.016	0.00	0.033	0.029		Set Trigger
3	2.418	0.018	0.00	0.034	0.030		Set Trigger
4	2.628	0.019	0.00	0.033	0.034		Set Trigger
5	2.543	0.017	0.00	0.034	0.029		Set Trigger

A-2-50

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: C Schults 3/11/2009

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



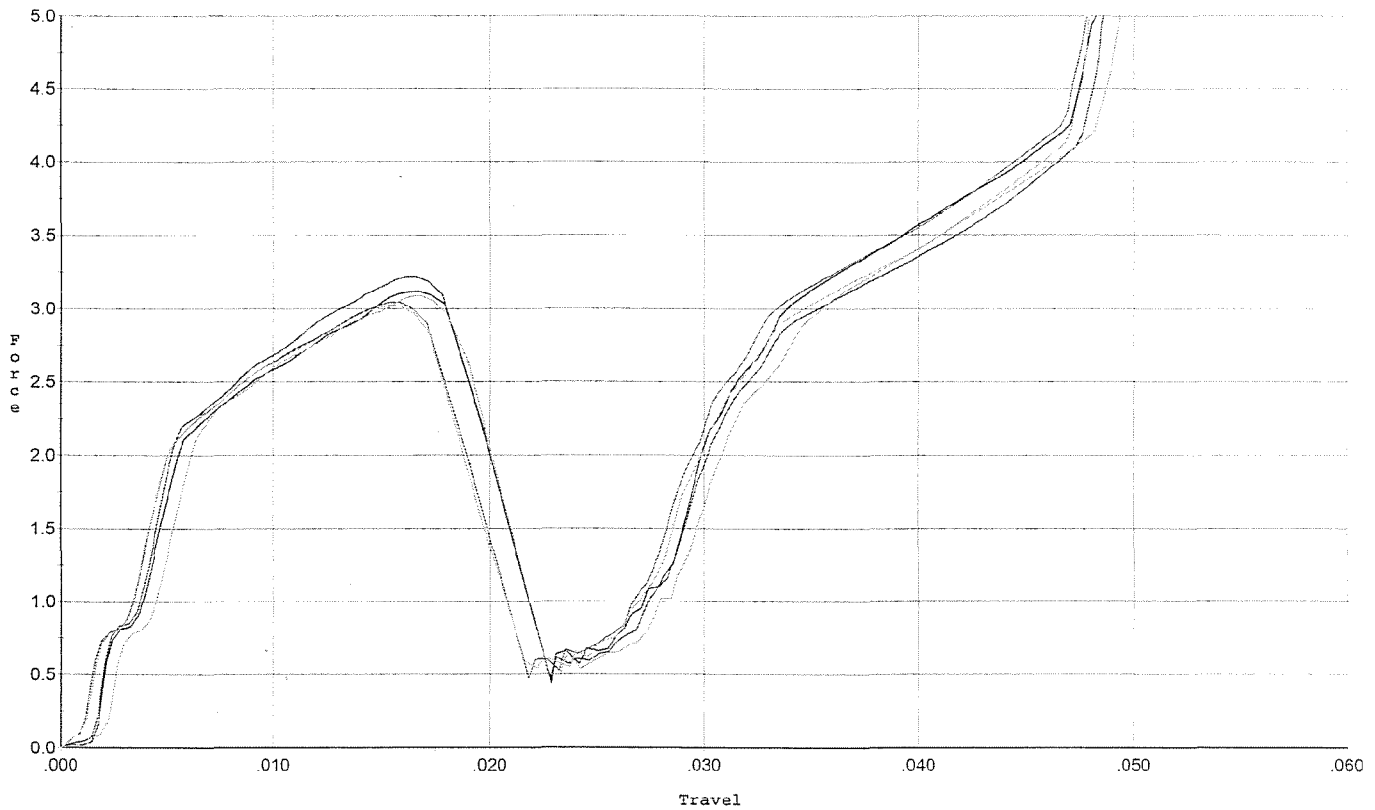
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.063	0.018	0.00	0.032	0.036		Set Trigger
2	3.020	0.017	0.00	0.032	0.035		Set Trigger
3	3.077	0.018	0.00	0.032	0.036		Set Trigger
4	3.125	0.018	0.00	0.032	0.037		Set Trigger
5	3.113	0.017	0.00	0.032	0.037		Set Trigger

A-3.08

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: C Schults 3/11/2009

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



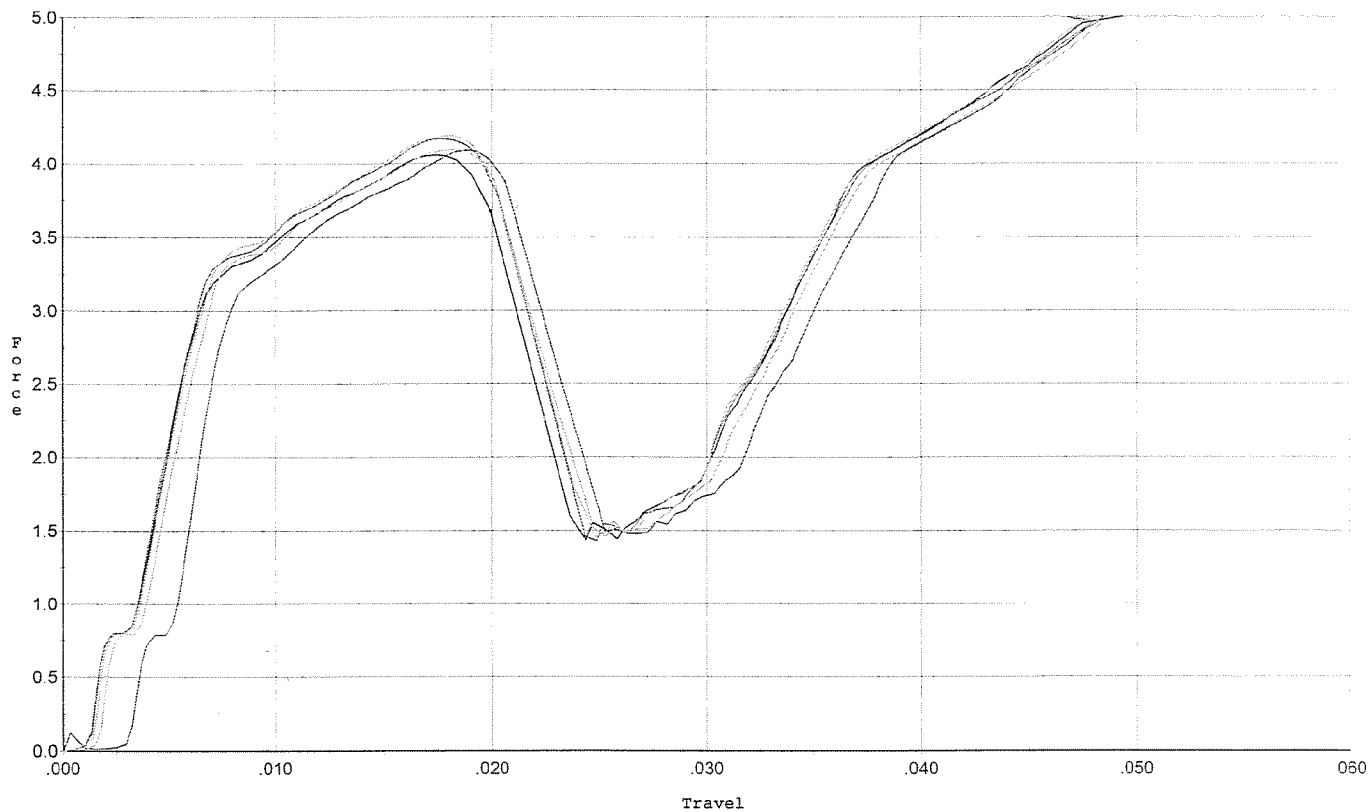
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.220	0.020	0.00	0.032	0.041		Set Trigger
2	3.117	0.020	0.00	0.031	0.040		Set Trigger
3	3.044	0.019	0.00	0.032	0.039		Set Trigger
4	3.023	0.017	0.00	0.032	0.035		Set Trigger
5	3.091	0.019	0.00	0.032	0.037		Set Trigger

A-3.09

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: C Schults 3/11/2009

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



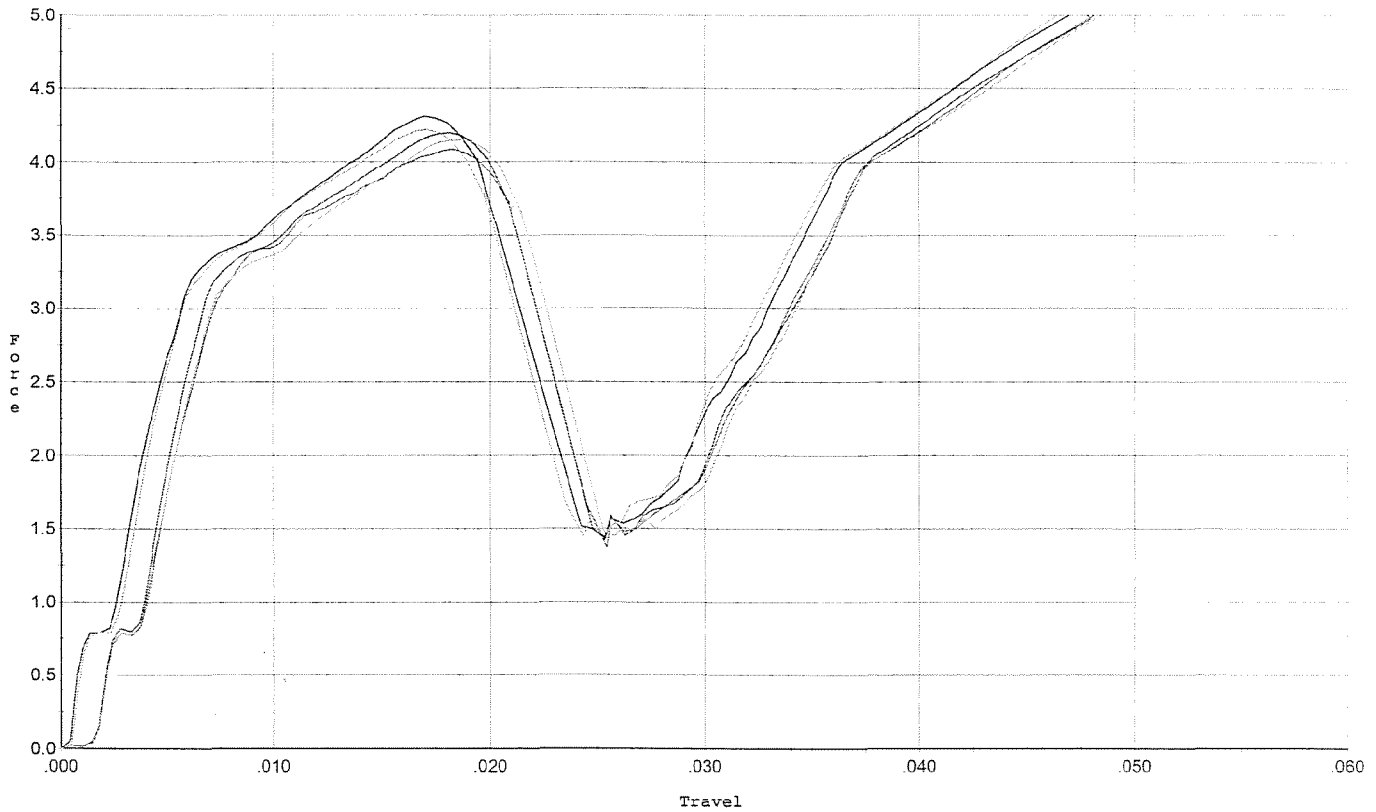
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.092	0.021	0.003	0.031	0.052		Set Trigger
2	4.055	0.020	0.00	0.030	0.054		Set Trigger
3	4.169	0.020	0.00	0.030	0.056		Set Trigger
4	4.190	0.020	0.00	0.030	0.055		Set Trigger
5	4.096	0.020	0.00	0.030	0.054		Set Trigger

A-4.12

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: C Schults 3/11/2009

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



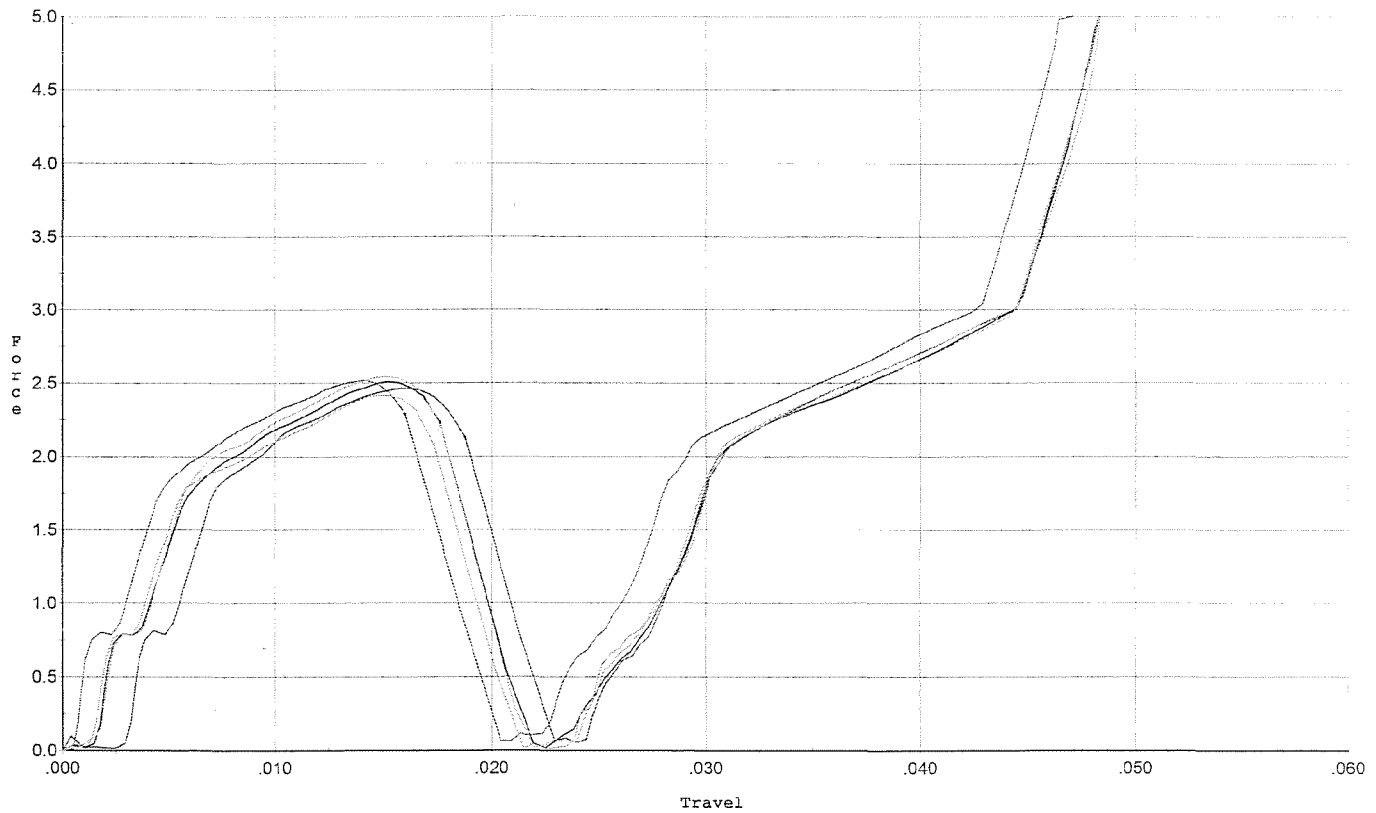
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.198	0.021	0.00	0.030	0.057		Set Trigger
2	4.310	0.019	0.00	0.029	0.056		Set Trigger
3	4.085	0.021	0.00	0.030	0.056		Set Trigger
4	4.153	0.021	0.00	0.030	0.058		Set Trigger
5	4.220	0.020	0.00	0.029	0.056		Set Trigger

A.4.19

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: C Schults 3/11/2009

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



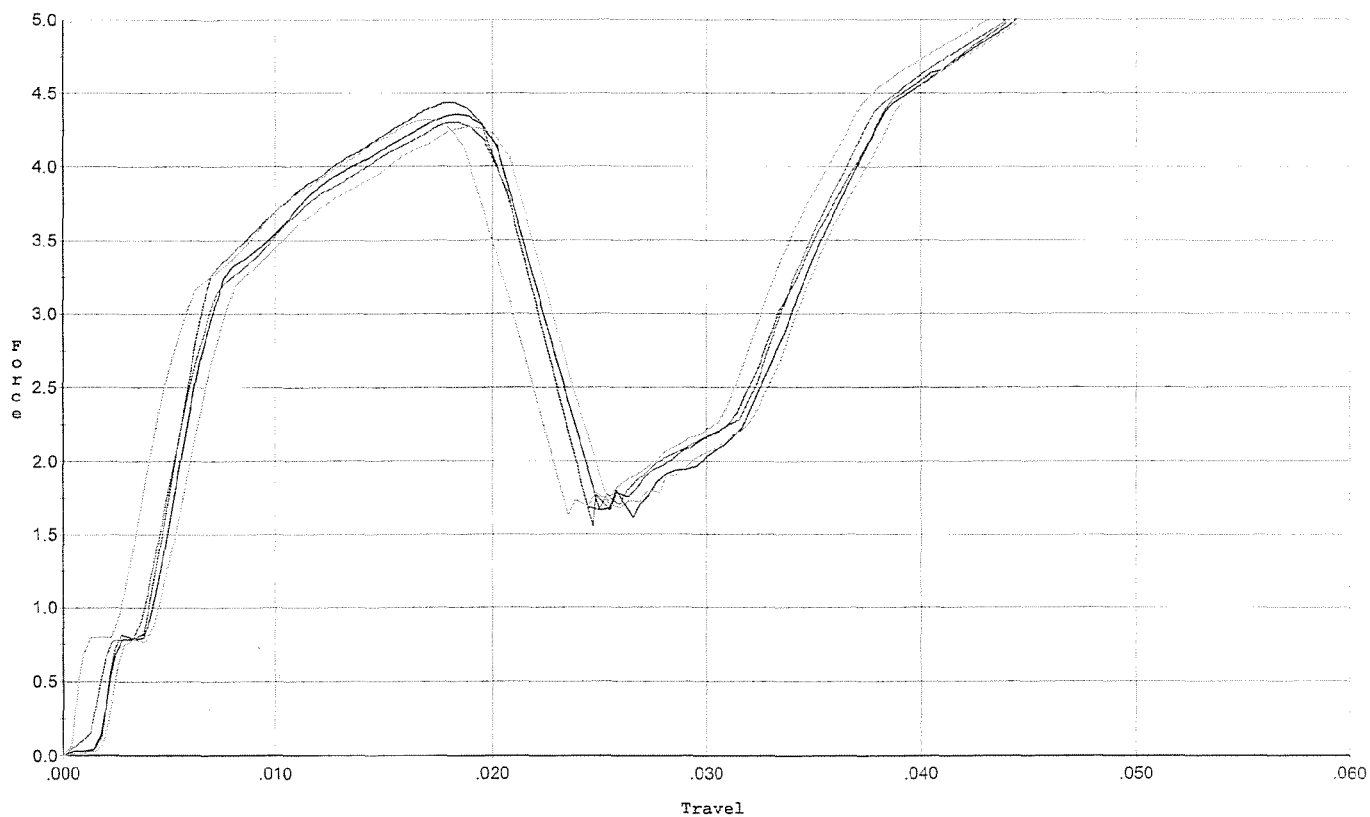
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.465	0.019	0.003	0.033	0.029		Set Trigger
2	2.510	0.018	0.00	0.034	0.029		Set Trigger
3	2.519	0.016	0.00	0.033	0.028		Set Trigger
4	2.544	0.018	0.00	0.034	0.030		Set Trigger
5	2.418	0.017	0.00	0.034	0.028		Set Trigger

A-2.49

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: C Schults 3/11/2009

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	4.438	0.021	0.00	0.029	0.059		Set Trigger
2	4.356	0.020	0.00	0.030	0.056		Set Trigger
3	4.296	0.021	0.00	0.029	0.057		Set Trigger
4	4.272	0.021	0.00	0.029	0.056		Set Trigger
5	4.320	0.021	0.00	0.029	0.060		Set Trigger

A-4-33

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225522.___0
FILE DATE AND TIME: 04/04/2009 06:33

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.010
The Average Y Centroid of the Five Target Set:	-0.048
The Average Point of Impact of the Five Target Set:	0.049
The Average Mean Radius of the Five Target Set:	0.502
The Distance from POA to Centroid Target #1:	0.108
The Distance from Centroid Target #2 to Centroid Target #1:	0.054
The Distance from Centroid Target #3 to Centroid Target #1:	0.198
The Distance from Centroid Target #4 to Centroid Target #1:	0.099
The Distance from Centroid Target #5 to Centroid Target #1:	0.119

BARBER - M24 0050576

SERIAL NUMBER: C6225522. __0

TARGET NUMBER: 1

FILE DATE: 04/04/2009

FILE TIME: 06:33

POINT#	X	Y
1:	1.482	0.184
2:	0.655	-0.073
3:	0.234	0.452
4:	-0.673	-0.058
5:	-0.659	-0.614
6:	-0.460	-0.420
7:	0.310	0.051
8:	-0.280	0.017
9:	-0.068	-0.139
10:	-0.600	-0.477

X CENTROID: -0.006

Y CENTROID: -0.108

POA TO CENTROID: 0.108

HORZ SPREAD: 2.155

VERT SPREAD: 1.066

GROUP SPREAD: 2.285

MIN RADIUS: 0.070

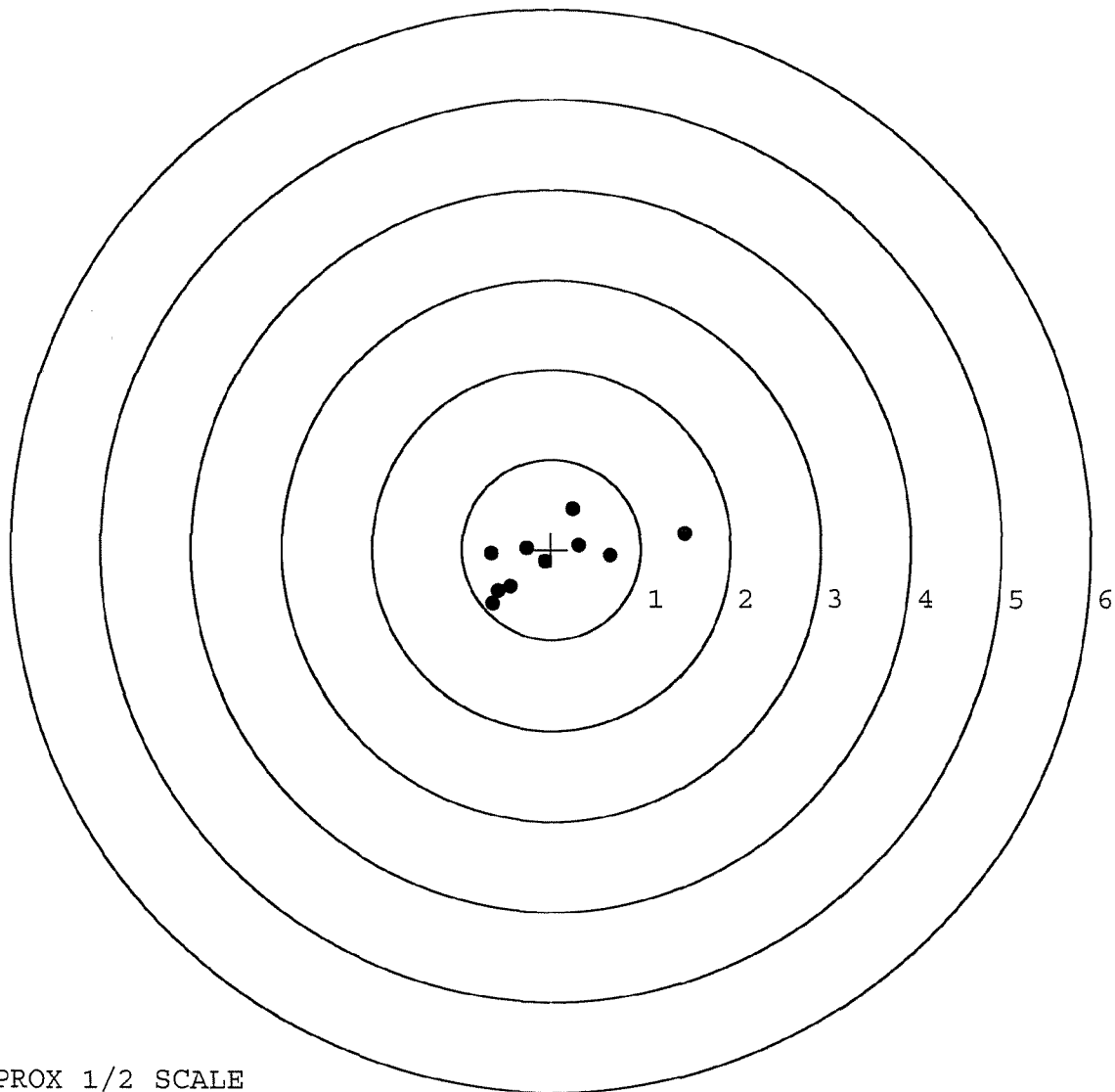
MAX RADIUS: 1.516

MEAN RADIUS: 0.626

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0050577

SERIAL NUMBER: C6225522. 0

TARGET NUMBER: 2

FILE DATE: 04/04/2009

FILE TIME: 06:33

POINT#	X	Y
1:	-0.206	1.051
2:	-0.136	0.485
3:	0.333	0.610
4:	0.227	0.257
5:	0.050	0.030
6:	-0.166	-0.218
7:	0.076	-0.809
8:	-0.190	-0.743
9:	-0.469	-0.963
10:	-0.100	-0.902

X CENTROID: -0.058

Y CENTROID: -0.120

POA TO CENTROID: 0.134

HORZ SPREAD: 0.802

VERT SPREAD: 2.014

GROUP SPREAD: 2.031

MIN RADIUS: 0.146

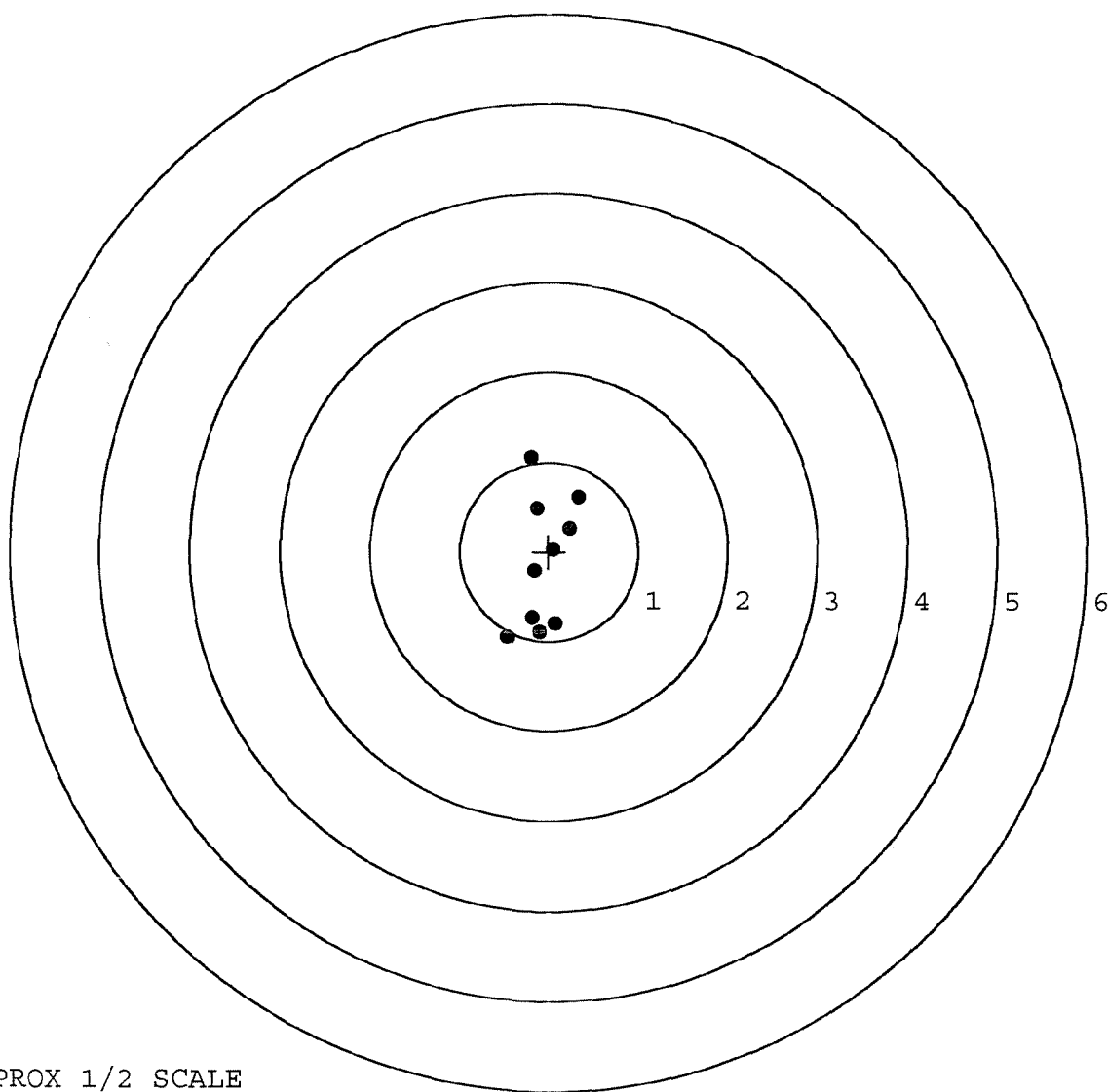
MAX RADIUS: 1.181

MEAN RADIUS: 0.648

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



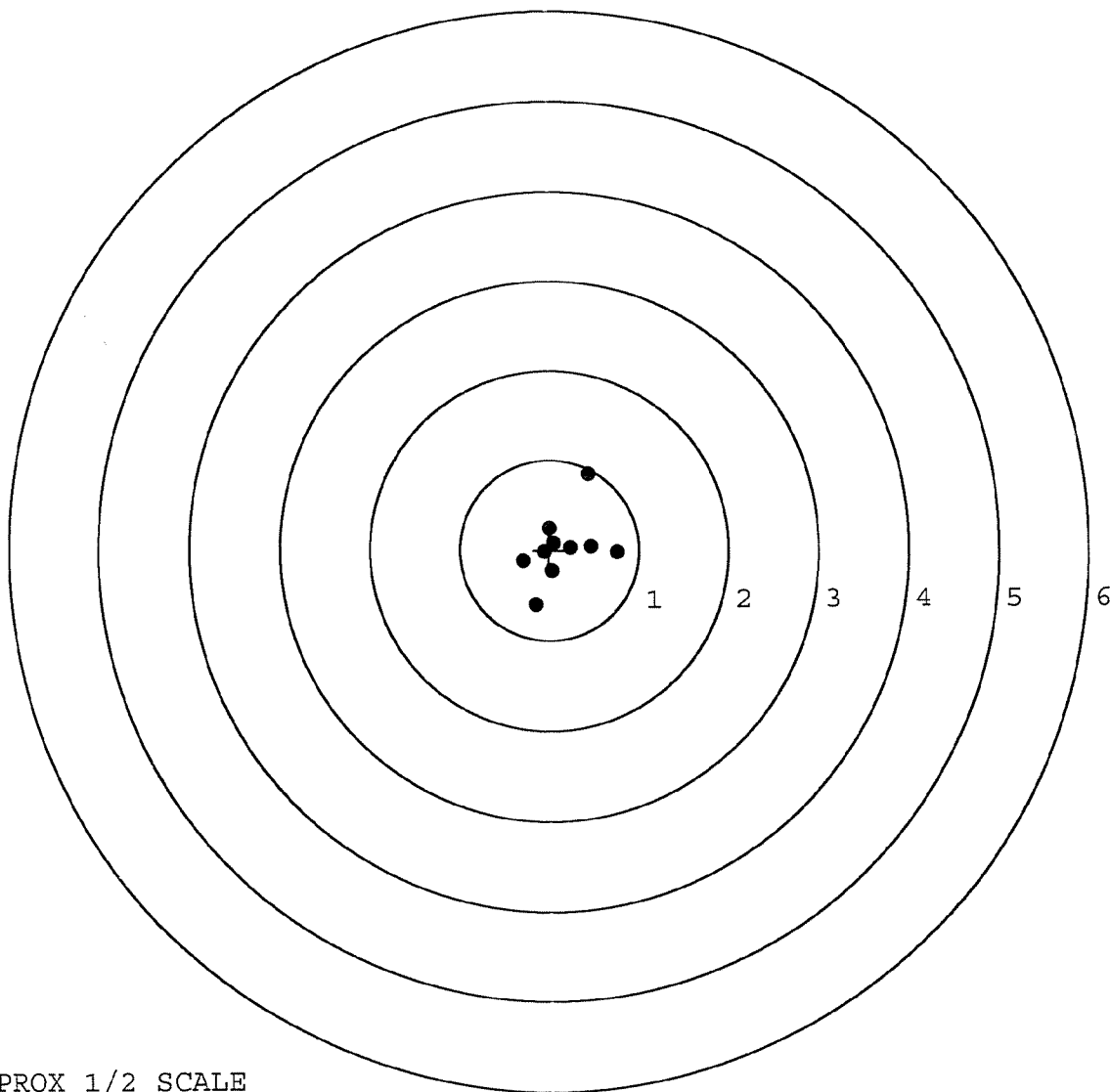
TARGET APPROX 1/2 SCALE

BARBER - M24 0050578

SERIAL NUMBER: C6225522. __0
 TARGET NUMBER: 3
 FILE DATE: 04/04/2009
 FILE TIME: 06:33

X CENTROID: 0.145
 Y CENTROID: 0.021
 POA TO CENTROID: 0.147
 HORZ SPREAD: 1.053
 VERT SPREAD: 1.450
 GROUP SPREAD: 1.567
 MIN RADIUS: 0.089
 MAX RADIUS: 0.871
 MEAN RADIUS: 0.392
 # IN 1 IN DIAMETER: 7
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

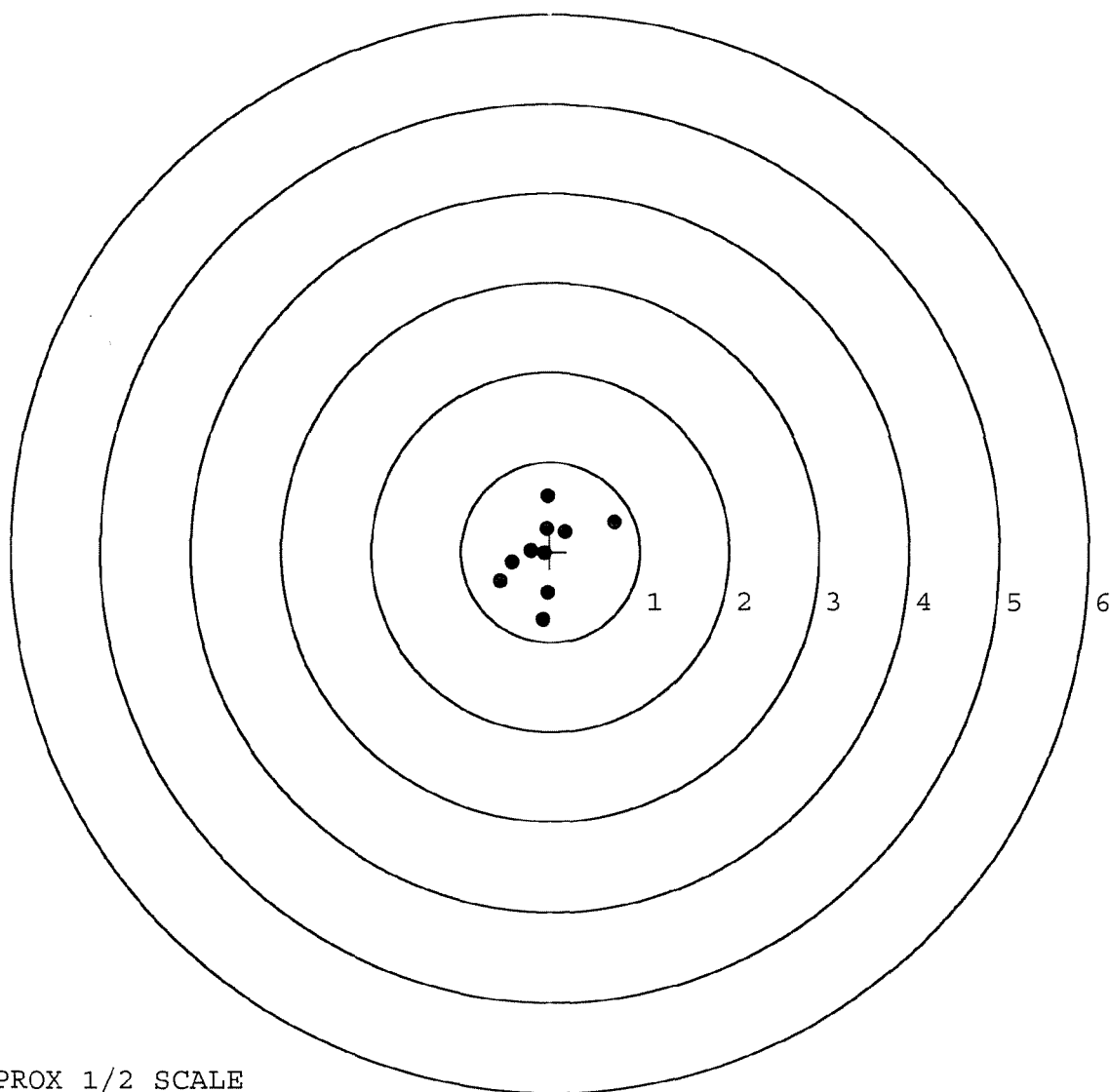
POINT#	X	Y
1:	0.436	0.842
2:	0.755	-0.030
3:	0.460	0.041
4:	-0.158	-0.608
5:	0.027	-0.238
6:	0.234	0.032
7:	0.000	0.243
8:	-0.298	-0.123
9:	-0.056	-0.024
10:	0.052	0.074



TARGET APPROX 1/2 SCALE

BARBER - M24 0050579

SERIAL NUMBER: C6225522. __0	POINT#	X	Y
TARGET NUMBER: 4	1:	0.714	0.334
FILE DATE: 04/04/2009	2:	-0.565	-0.332
FILE TIME: 06:33	3:	-0.431	-0.119
	4:	-0.082	-0.757
X CENTROID: -0.058	5:	-0.028	-0.457
Y CENTROID: -0.023	6:	-0.030	0.622
POA TO CENTROID: 0.062	7:	-0.218	0.016
HORZ SPREAD: 1.279	8:	0.164	0.220
VERT SPREAD: 1.379	9:	-0.065	-0.020
GROUP SPREAD: 1.442	10:	-0.038	0.259
MIN RADIUS: 0.008			
MAX RADIUS: 0.851			
MEAN RADIUS: 0.443			
# IN 1 IN DIAMETER: 6			
# IN 2 IN DIAMETER: 10			
# in 3 IN DIAMETER: 10			



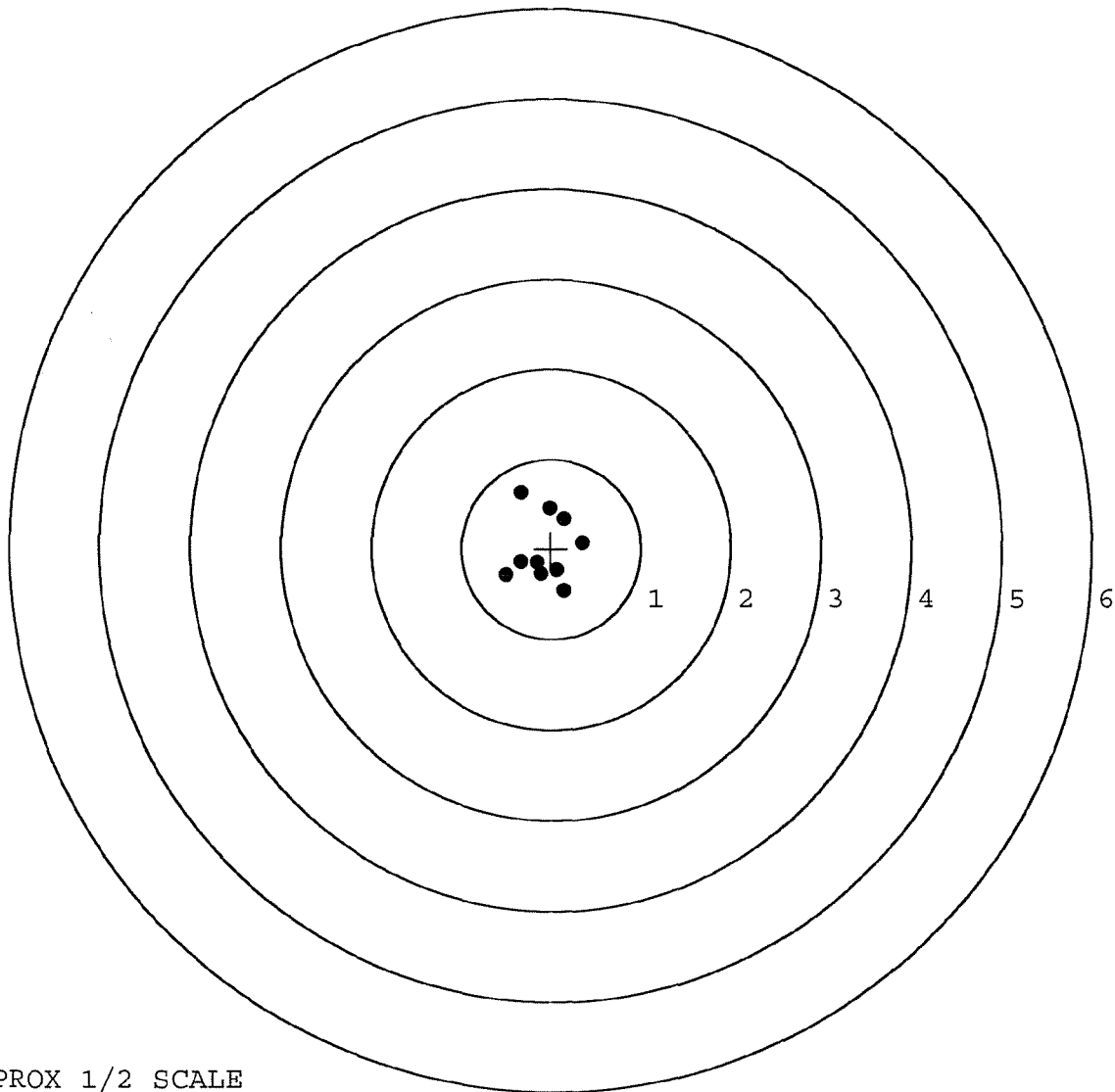
TARGET APPROX 1/2 SCALE

BARBER - M24 0050580

SERIAL NUMBER: C6225522. __0
 TARGET NUMBER: 5
 FILE DATE: 04/04/2009
 FILE TIME: 06:33

POINT#	X	Y
1:	-0.337	0.627
2:	-0.015	0.458
3:	0.145	0.335
4:	0.352	0.072
5:	0.142	-0.468
6:	0.065	-0.243
7:	-0.155	-0.157
8:	-0.338	-0.152
9:	-0.502	-0.299
10:	-0.114	-0.284

X CENTROID: -0.076
 Y CENTROID: -0.011
 POA TO CENTROID: 0.077
 HORZ SPREAD: 0.854
 VERT SPREAD: 1.095
 GROUP SPREAD: 1.195
 MIN RADIUS: 0.166
 MAX RADIUS: 0.690
 MEAN RADIUS: 0.404
 # IN 1 IN DIAMETER: 7
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

PAYMENT:
Mastercard / Visa (circle one)

Card #: _____

Exp. Date: _____

Signature: _____

RETURN:

- ☐ Clark Street Entrance
☐ Via US Mail or UPS

(PLEASE PRINT CLEARLY)

FIREARMS DELIVERED TO PLANTFILE Nº 011353DATE 5/29/96CUSTOMER NAME: Green RemingtonADDRESS: FT Bragg ACD

ZIP: _____

PHONE: _____

FIREARM

MODEL: M24CHECK FOR AMMUNITION ☒GAUGE: 308SERIAL # 01225455

CONDITION:

WOOD GOOD FAIR POOR FANCY PLAIN

METAL GOOD FAIR POOR FANCY PLAIN

BARREL VT. RIB PLAIN DEER RSS

ACCESSORIES:

SCOPE: YES NO (BRAND NAME/POWER) _____

SLING: YES NO GUN CASE: YES NO (HARD - SOFT)

EXTRA BBL FOR GUN MENTIONED ABOVE:

OTHER (Note in this area items missing or added from orig. equipment)

CUSTOMER REQUEST: _____

SIGNATURE: _____
(Person delivering firearm to Plant)DATE: 5/29/96SIGNATURE: _____
(Security Officer)DATE: 5/29/96SIGNATURE: _____
(Firearm picked up by)DATE: 5/30/96

Arm Service Copy

MAINTENANCE REQUEST				PAGE NO.	NO. OF PAGES	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)	
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG							
SECTION I - EQUIPMENT DATA							
CONTROL NUMBER		WORK ORDER NO.		WESDC	ORG PD 02	PD AUTHENTICATION 	
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION HSC, 2/75F6(A) FT. BRAGG, NC 28307		B. LOCATION BLDG E-3928 FT. BRAGG, NC 28307		C. UNIT IDENT CODE WH00 DO	
2. SERIAL NO. C6225455		3. NOUN NOMENCLATURE RIFLE, SNIPER		4. LINE NO.	5. MODEL M24	6. NATIONAL STOCK NUMBER 1005-240-2136	
7A. MAINTENANCE ACTIVITY		B. LEVEL DEPT	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS
							11. MILES
							12. ROUNDS 8800
							13. STARTS
14. FAILURE DETECTED DURING (Select one - use ☒ or X)				15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)			
☐ A Sch. Main.	☐ C Test	☐ E Storage	☐ G Flight	☐ 068 Inoperative	☐ 253 Overheating	☐ 790 Out of Adjustment	
☐ B Handling	☒ D Normal Op	☐ F Inspection	☐ H Other	☐ 008 Noisy	☐ 387 Low Performance	☒ Other	
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs) DUE TO THE NUMBER OF ROUNDS FIRED, THE BARREL NEEDS REPLACED							
B. REMARKS REBARREL AND RETURN REQUESTED. POC IS CPT BURAS AT (910) 432-5208							
PREPARATION INSTRUCTIONS (Prior to using this form, read DA PAM 738-750 for detailed preparation instructions)							
1. Place a "✓" or an "X" in the box for the type of action required. 2. Enter the WESDC if the item is Materiel Condition Status Reportable. 3. Enter the priority designator as determined from the urgency of need and force activity designator. 4. The Unit Commander, Chief of TDA activity or their designated representative will authenticate, by signature, a priority of 01 through 08. 5. Block 1A. Enter the name of the organization submitting the request. 6. Block 1B. Enter the unit submitting the request; units overseas enter APO only. 7. Block 1C. Enter the unit identification code of the unit in block 1A. 8. Block 2. Enter the equipment serial number. For ammunition, enter the lot number. For administrative-use vehicles, enter the USA registration number. 9. Block 3. Enter the noun abbreviation of the item. 10. Block 4. Enter the item line number, if applicable. 11. Block 5. Enter the model number. 12. Block 6. Enter the National Stock Number of the item listed in Block 3.				13. Block 7. Enter the name of the support activity. 14. Block 7A. Enter the symbol of the maintenance category (O, F, H, D, or L). 15. Block 8. Enter the utilization code. 16. Block 9A. Enter the word "yes" if the item is Materiel Condition Status Reportable. 17. Block 9B. Enter the equipment readiness code, if applicable. 18. Block 9C. Enter the word "yes" if the item is a pacing item. 19. Block 10. Enter the hour reading, if applicable. 20. Block 11. Enter the mileage from the odometer, if applicable. 21. Block 12. Enter the total rounds fired, if applicable. 22. Block 13. For turbine engines, enter the number of hot starts. 23. Block 14. Enter a "✓" or "X" in the proper block. 24. Block 15. Enter a "✓" or "X" in the proper block. 25. Block 16. Describe briefly the fault or symptoms needing correction.			
23. SUBMITTED BY		24. RECEIVED BY					
JULIAN DATE		JULIAN DATE					

MAINTENANCE REQUEST						PAGE NO	NO OF PAGES	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)																									
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG																																	
SECTION I - EQUIPMENT DATA																																	
CONTROL NUMBER		WORK ORDER NO.		WESDC		ORG. PD		PD AUTHENTICATION																									
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION HSC, 2115FB(A) FT. BRAGG, NC 28307		B. LOCATION CLQG E 3728 FT. BRAGG, NC 28307		C. UNIT IDENT CODE WHOO DO																											
2. SERIAL NO. C6825455		3. NOUN NOMENCLATURE RIFLE, SNIPER		4. LINE NO.		5. MODEL M24		6. NATIONAL STOCK NUMBER 1005-240 2156																									
7A. MAINTENANCE ACTIVITY		B. LEVEL DEPOT		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC		9C. PACING ITEM		10. HOURS		11. MILES		12. ROUNDS 8000		13. STARTS															
14. FAILURE DETECTED DURING (Select one - use ☒ or X) <table border="0"><tr><td>☐ A Sch. Main.</td><td>☐ C Test</td><td>☐ E Storage</td><td>☐ G Flight</td></tr><tr><td>☐ B Handling</td><td>☒ D Normal Op</td><td>☐ F Inspection</td><td>☐ H Other</td></tr></table>										☐ A Sch. Main.	☐ C Test	☐ E Storage	☐ G Flight	☐ B Handling	☒ D Normal Op	☐ F Inspection	☐ H Other	15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X) <table border="0"><tr><td>☐ 068 Inoperative</td><td>☐ 258 Overheating</td><td>☐ 790 Out of Adjustment</td></tr><tr><td>☐ 008 Noisy</td><td>☐ 387 Low Performance</td><td>☒ Other</td></tr></table>										☐ 068 Inoperative	☐ 258 Overheating	☐ 790 Out of Adjustment	☐ 008 Noisy	☐ 387 Low Performance	☒ Other
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16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). DUE TO THE NUMBER OF ROUNDS FIRED, THE CARREL NEEDS REPLACED																																	
B. REMARKS RECARREL AND RETURN REQUESTED. LOC IS CPT LUKAS AT (910) 432-5208																																	
SECTION II - WORK ACCOMPLISHED																																	
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT CODE				18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X) <table border="0"><tr><td>☐ 1 TOE</td><td>☐ 2 TD</td><td>☐ 3 Contractor</td></tr></table>				☐ 1 TOE	☐ 2 TD	☐ 3 Contractor	19. AMS ACCT CODE																		
☐ 1 TOE	☐ 2 TD	☐ 3 Contractor																															
B. LOCATION																																	
20A. ACT. CODE		B. FAILURE CODE		C. COMPONENT/PART NOUN, SVC, OR MWO NO. (1) CB CODE (2) REF DESIGN (3) MFR. CODE			D. MANHOURS (Hrs. & tenths)		E. NATIONAL STOCK NUMBER		F. PART SOURCE CODE		G. QTY.		H. PARTS COST																		
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				I. TOTAL MANHOURS				J. TOTAL MANHOURS COST \$				K. TOTAL PARTS COST \$																					
21. DELAY (Select One) <table border="0"><tr><td>☐ 1 Parts</td><td>☐ 2 Manpower</td><td>☐ 3 Facilities</td><td>☐ 4 Funds</td><td>☐ 5 Tools</td></tr></table>				☐ 1 Parts	☐ 2 Manpower	☐ 3 Facilities	☐ 4 Funds	☐ 5 Tools					22. Data Transcribed																				
☐ 1 Parts	☐ 2 Manpower	☐ 3 Facilities	☐ 4 Funds	☐ 5 Tools																													
23. SUBMITTED BY		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One) <table border="0"><tr><td>☐ A To User</td><td>☐ D Evacuated</td></tr><tr><td>☐ B To Stock</td><td>☐ E Cannibalization</td></tr><tr><td>☐ C Salvaged</td><td></td></tr></table>						☐ A To User	☐ D Evacuated	☐ B To Stock	☐ E Cannibalization	☐ C Salvaged													
☐ A To User	☐ D Evacuated																																
☐ B To Stock	☐ E Cannibalization																																
☐ C Salvaged																																	
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE																									

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225522
19 Apr 1988

CENTROIDAL DISTANCES

0 TO	1	.610404
1 TO	2	.243674
1 TO	3	.605648
1 TO	4	.499833
1 TO	5	.292043

4.88 C---FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .254
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .217
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .334873

THE AMR FOR THIS RIFLE IS: .9322

19 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225522

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 1.880

VS= 3.137

GS= 3.206

CENTROID #

PATTERN

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	.889	.711	.774
MINIMUM X	-1.051	-.961	-.898
MAXIMUM Y	1.929	.890	.766
MINIMUM Y	-1.208	-.994	-.592
CENTROID X	.300	.218	.155
CENTROID Y	.527	.313	.437
POA TO CENTROID in.	.611	.382	.464
MIN RADIUS	.364	.186	.192
MEAN RADIUS	.911	.744	.691
MAX RADIUS	2.091	1.116	1.076
HORIZONTAL SPREAD	1.860	1.672	1.672
VERTICAL SPREAD	3.137	1.884	1.358
EXTREME SPREAD	3.206	2.060	1.728
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

19 Apr 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06225522

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 8

HS = 0.470

VS = 1.794

GS = 2.870

PATTERN #

2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.379	.967	.849
MINIMUM X	-1.091	-.939	-.964
MAXIMUM Y	.980	.889	.959
MINIMUM Y	-.814	-.838	-.768
CENTROID X	.344	.191	.309
CENTROID Y	.286	.377	.307
POA TO CENTROID in.	.448	.422	.435
MIN RADIUS	.245	.237	.282
MEAN RADIUS	.910	.826	.781
MAX RADIUS	1.601	1.279	1.145
HORIZONTAL SPREAD	2.470	1.905	1.813
VERTICAL SPREAD	1.794	1.727	1.727
EXTREME SPREAD	2.870	2.361	2.189
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 4		
NUMBER IN THREE INCH CIRCLE	= 8		

15 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225522

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS = 2.234

VS = 0.856

GS = 0.509

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X 1.123 1.232 1.095

MINIMUM X -1.211 -1.102 -.726

MAXIMUM Y 1.291 1.106 1.230

MINIMUM Y -1.575 -1.118 -.994

CENTROID X .280 .171 .308

CENTROID Y -.078 .097 -.027

POA TO CENTROID in. .291 .196 .310

MIN RADIUS .272 .403 .331

MEAN RADIUS 1.039 .936 .859

MAX RADIUS 1.857 1.480 1.266

HORIZONTAL SPREAD 2.334 2.334 1.821

VERTICAL SPREAD 2.856 2.224 2.224

EXTREME SPREAD 3.509 2.856 2.264

NUMBER IN ONE INCH CIRCLE = 2

NUMBER IN TWO INCH CIRCLE = 4

NUMBER IN THREE INCH CIRCLE = 8

19 Apr 1900

FILE: \PATTERNING\CENTERFIRE_PATT\06225522

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 10

HS = 0.447

VS = 1.636

GS = 0.455

PATTERN

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.432	-1.138	1.142
MINIMUM X	-1.015	-0.856	-0.852
MAXIMUM Y	1.143	1.111	.971
MINIMUM Y	-0.493	-0.525	-0.386
CENTROID X	.025	-0.134	-0.138
CENTROID Y	.115	.147	.008
POA TO CENTROID in.	.118	.198	.138
MIN RADIUS	.326	.208	.141
MEAN RADIUS	.864	.776	.708
MAX RADIUS	1.460	1.253	1.206
HORIZONTAL SPREAD	2.447	1.994	1.994
VERTICAL SPREAD	1.636	1.636	1.357
EXTREME SPREAD	2.455	2.035	2.035
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

19 Apr 1968

FILE: /PATTERNING/CENTERFIRE_PATT/C6225522

CENTERFIRE PATTERNS # 5

POB

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

TSP = 0.457

VSP = 0.573

ESP = 0.573

PATTERN #

5

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.508	1.142	1.105
MINIMUM X	-.929	-.752	-.799
MAXIMUM Y	1.321	1.357	.742
MINIMUM Y	-1.252	-1.216	-1.046
CENTROID X	.313	.146	.183
CENTROID Y	.235	.199	.029
POB TO CENTROID in.	.391	.247	.186
MIN RADIUS	.147	.055	.221
MEAN RADIUS	.937	.834	.791
MAX RADIUS	1.542	1.390	1.162
HORIZONTAL SPREAD	2.437	1.904	1.904
VERTICAL SPREAD	2.573	2.573	1.788
EXTREME SPREAD	2.573	2.573	1.908
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

21 DAY TURN - AROUND

M-24
CONTRACT # DAAA09-92-C-0834

Barrel

R&E NO.

SERIAL NO. *C6225522*

LOG IN DATE: / /		DATE	INIT.
INSPECT & VERIFY:			
OP. #	OP. NAME		
550	DIS-ASSEMBLE GUN		
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL & TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	<i>6/6/96</i>	<i>Rw</i>
605	CHECK HEADSPACE	<i>6/6/96</i>	<i>Rw</i>
610	DIS-ASSEMBLE		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY ON FORCE		
D	SAFETY OFF FORCE		
E	FIRING PIN INDENT		
640	TARGET	<i>6/20/96</i>	<i>Rw</i>
655	FINAL INSPECT	<i>6/20/96</i>	<i>Rw</i>
660	PACK		
QAR INSPECTION		SHIP DATE	

Final Inspection

S.N. C6225522

DATE REC'D: 5/30/96

DATE RET'D:

AUDITOR: RW

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☐ Scope☐ Scope Rings☒ Mounting Screws☒ Mounting Base☐ Screws☐ Finish☐ Looseness☐ Clarity

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

Stock Assy.

☒ Stock☒ Sling Swivel Studs☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☐ Scope Case☐ Iron Sights☐ Deployment Kit

Trigger

☒ SAFETY OPERATION☒ SET

Comments:

Remington
REG. U.S. PAT. & TM. OFF.

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

MODEL 700TM M24

SERIAL NO.
C6225522

ORDER NO.
5716

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

UPC
0 47700 25716 7

Scope #
1107

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225522

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	8	9/88	FB
600	Proof	9	7/88	RW
607	Check Headspace	9	7/88	RW
610	Dis-assemble gun	10-7-88	10-7-88	RW
612	Magnaflux Barrel Action		9-14-88	APC
	Magnaflux Bolt		9-14-88	APC
615	Rollmark Caliber		10-22	G.S.
617	Drill & Tap Sight Holes		10-23	FB
618	Polish Barrel		10-24	WJT
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/2/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/2/88	RW
	C) Inspect Ejector Hole for Chamfer		11/2/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		11/2/88	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		2 NOV 88	JS
	F) Safety on Force	5 : 5 : 5	2 NOV 88	JS
	G) Safety off Force	3 : 3 : 3	2 NOV 88	JS
	H) Trigger Pull Test & Retainability		2 NOV 88	JS
	I) Firing Pin Indent	.0205 : .0205 : .0205	2 NOV 88	JS
	J) Assemble Stock		11/2/88	RW
	K) Attach Front & Rear Sight Assemblies		11/2/88	RW
	L) Iron Sight Alignment		11/2/88	RW
	M) Detach Front & Rear Sights & place in numbered container		11/2/88	RW
	N) Attach Scope to Rifle		11/8/88	RW
	O) Detach & Attach Scope 20 times		8 NOV 88	JS
640	Gallery Target & Test	72 R 80L	11/10/88	AC
	A) Optical Clarity of Scope	OK	11/10/88	AC
645	Inspect for Live Ammo	NONE	11/10/88	AC
655	Final Inspection			
	A) Headspace		29 NOV 88	JS
	B) Trigger Pull	246 : 241 : 243	243 : 243	JS
	C) Function		29 NOV 88	JS
	D) Assemble Swivel Studs		29 NOV 88	JS
660	Pack		27 NOV 88	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 5582

DATE 4-2-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.27		2.31	MIN. SETTING,
PULL #2	2.24	2.28		2.25	NO AVG. OF 5
PULL #3	2.33	2.44		2.30	READINGS ACCEPT-
PULL #4	2.26	2.42		2.27	ABLE LESS THAN 2#
PULL #5	2.26	2.45		2.24	
TOTAL	11.38	11.86		11.27	
AVG.	2.276	2.372		2.254	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.42		
PULL #2	3.42	3.38		
PULL #3	3.43	3.38		
PULL #4	3.40	3.35		
PULL #5	3.38	3.38		
TOTAL	17.04	16.91		
AVG.	3.408	3.382		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.16		
PULL #2	4.24	4.17		
PULL #3	4.20	4.20		
PULL #4	4.18	4.51		
PULL #5	4.22	4.34		
TOTAL	21.08	21.38		
AVG.	4.216	4.276		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225522

CENTROIDAL DISTANCES

0 TO	1	.608927
1 TO	2	.0990051
1 TO	3	.231709
1 TO	4	.206545
1 TO	5	.53802

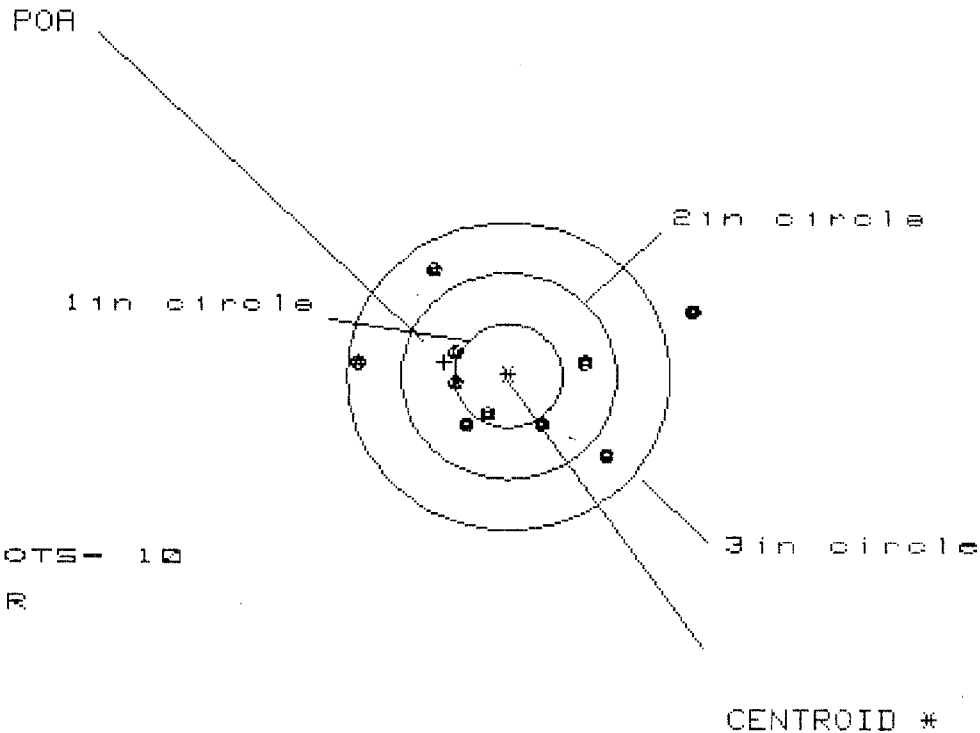
$\bar{x}$ $\bar{y}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5922
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0658
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .595844
THE AMR FOR THIS RIFLE IS: 1.011

14 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225522

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 3.110

VS= 1.811

GS= 3.162

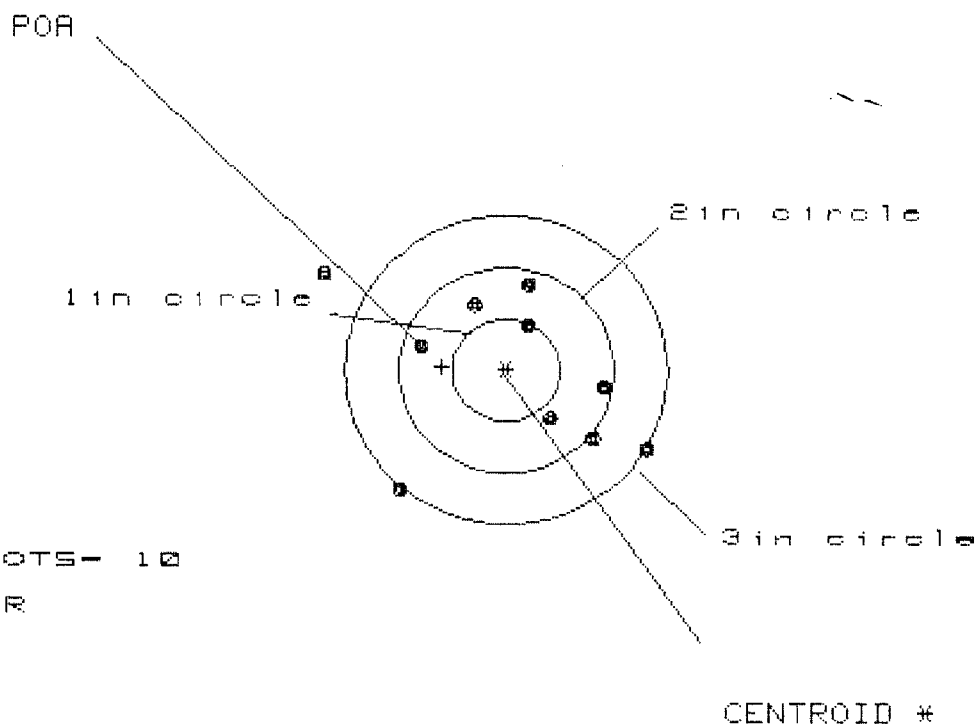
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.707	1.138	.986
MINIMUM X	:	-1.403	-1.213	-.640
MAXIMUM Y	:	1.016	1.091	1.114
MINIMUM Y	:	-.795	-.720	-.697
CENTROID X	:	.594	.404	.556
CENTROID Y	:	-.134	-.209	-.232
POA TO CENTROID in.	:	.609	.455	.602
MIN RADIUS	:	.366	.248	.262
MEAN RADIUS	:	.889	.737	.682
MAX RADIUS	:	1.837	1.346	1.285
HORIZONTAL SPREAD	:	3.110	2.351	1.626
VERTICAL SPREAD	:	1.811	1.811	1.811
EXTREME SPREAD	:	3.162	2.517	2.434
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

14 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225522

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 6

3 in - 7

HS= 3.014

VS= 2.118

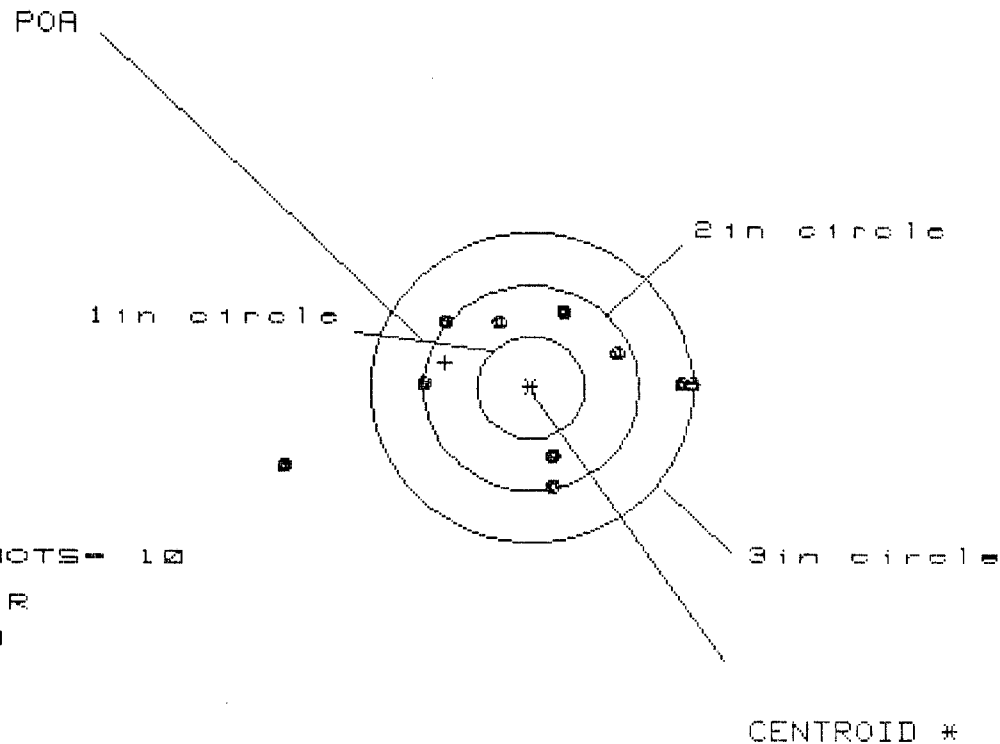
GS= 3.481

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.306	1.116	.841
MINIMUM X	:	-1.708	-1.186	-1.046
MAXIMUM Y	:	.984	.975	.894
MINIMUM Y	:	-1.134	-1.024	-1.105
CENTROID X	:	.595	.785	.645
CENTROID Y	:	-.035	-.145	-.064
POA TO CENTROID in.	:	.596	.798	.648
MIN RADIUS	:	.468	.410	.482
MEAN RADIUS	:	1.045	.919	.870
MAX RADIUS	:	1.971	1.567	1.522
HORIZONTAL SPREAD	:	3.014	2.302	1.887
VERTICAL SPREAD	:	2.118	1.999	1.999
EXTREME SPREAD	:	3.481	2.362	2.311
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

14 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225522

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in - 0

2 in - 4

3 in - 9

HS - 3.741

VS - 1.748

GS - 3.826

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.489	1.239	1.328
MINIMUM X	-2.252	-1.274	-1.120
MAXIMUM Y	.754	.672	.671
MINIMUM Y	-.994	-1.076	-1.077
CENTROID X	.799	1.049	.895
CENTROID Y	-.242	-.160	-.159
POA TO CENTROID in.	.835	1.062	.909
MIN RADIUS	.712	.593	.684
MEAN RADIUS	1.146	.979	.940
MAX RADIUS	2.368	1.277	1.331
HORIZONTAL SPREAD	3.741	2.513	2.448
VERTICAL SPREAD	1.748	1.748	1.748
EXTREME SPREAD	3.826	2.514	2.448
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

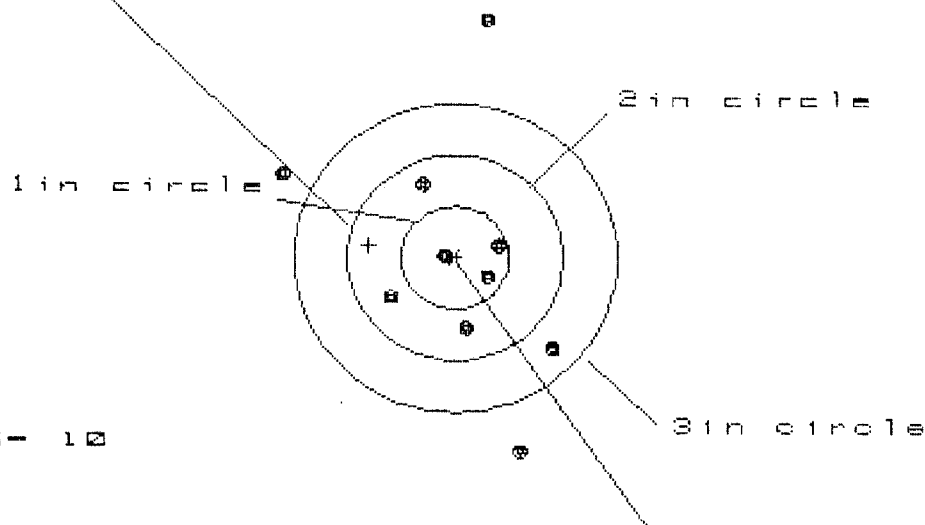
14 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225522

CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 7

HS= 2.516

VS= 4.251

GS= 4.267

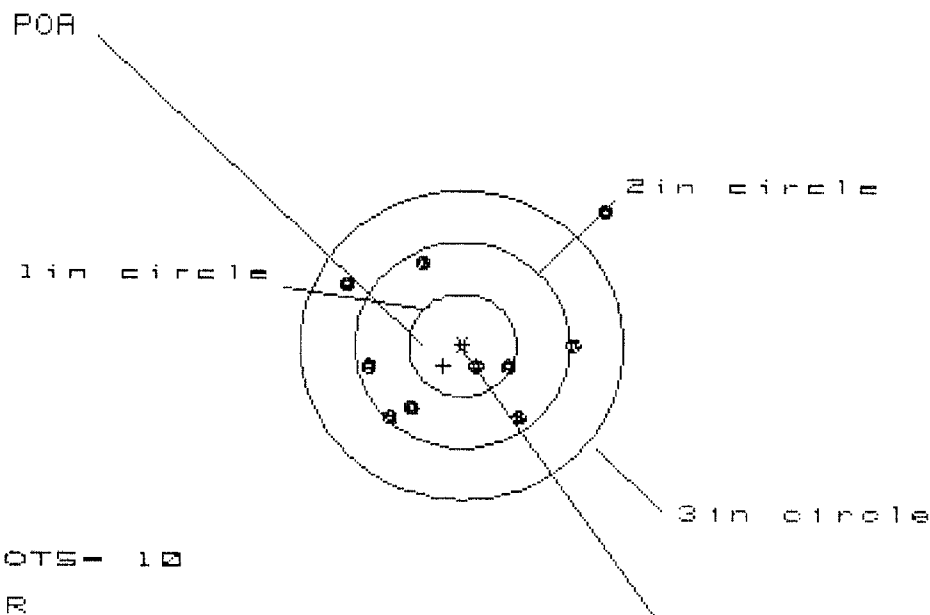
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.921	.953	1.037
MINIMUM X	:	-1.595	-1.563	-1.479
MAXIMUM Y	:	2.342	1.056	.850
MINIMUM Y	:	-1.909	-1.649	-.823
CENTROID X	:	.800	.768	.684
CENTROID Y	:	-.119	-.379	-.173
POA TO CENTROID in.	:	.808	.857	.705
MIN RADIUS	:	.089	.328	.133
MEAN RADIUS	:	1.051	.903	.778
MAX RADIUS	:	2.359	1.887	1.706
HORIZONTAL SPREAD	:	2.516	2.516	2.516
VERTICAL SPREAD	:	4.251	2.785	1.673
EXTREME SPREAD	:	4.267	3.513	3.021
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

14 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225522

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in - 1

2 in - 7

3 in - 9

HS = 2.358

VS = 2.063

GS = 2.844

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.296	1.171	1.056
MINIMUM X	:	-1.062	-.918	-.824
MAXIMUM Y	:	1.331	.935	1.026
MINIMUM Y	:	-.732	-.584	-.493
CENTROID X	:	.173	.029	.143
CENTROID Y	:	.201	.053	-.039
POA TO CENTROID in.	:	.265	.060	.149
MIN RADIUS	:	.241	.252	.128
MEAN RADIUS	:	.926	.793	.718
MAX RADIUS	:	1.858	1.179	1.081
HORIZONTAL SPREAD	:	2.358	2.089	1.880
VERTICAL SPREAD	:	2.063	1.519	1.519
EXTREME SPREAD	:	2.844	2.171	1.888
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	