

C6349026

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00121716

Serial: C6349026 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 03/19/1990

Repairman:

Status: New 12/11/2006 10:18:39 AM

Verify Repair High Priority

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEPARTMENT OF THE ARMY

DEPARTMENT OF THE ARMY

Address 1: 225 BSB (SSA)

225 BSB (SSA)

Address 2: ATTN: CW3 FUJIHARA

PO Box:

ATTN: CW3 FUJIHARA

PO Box:

City: SCHOFIELD BARRACKS

SCHOFIELD BARRACKS

State: HI

Zip Code: 96857

Country: US

State: HI

Zip Code: 96857

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

12/13/2006

1:18 PM

CAPS

NUM

INS

SCRL

start

4 Micros...

8 Intern...

3 Micros...

Part Search...

Arms Servi...

1:18 PM

Serial:
Number:

C6349026

Model: M24 SWS



RE00121716

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349026.___0
FILE DATE AND TIME: 03/08/2007 23:23

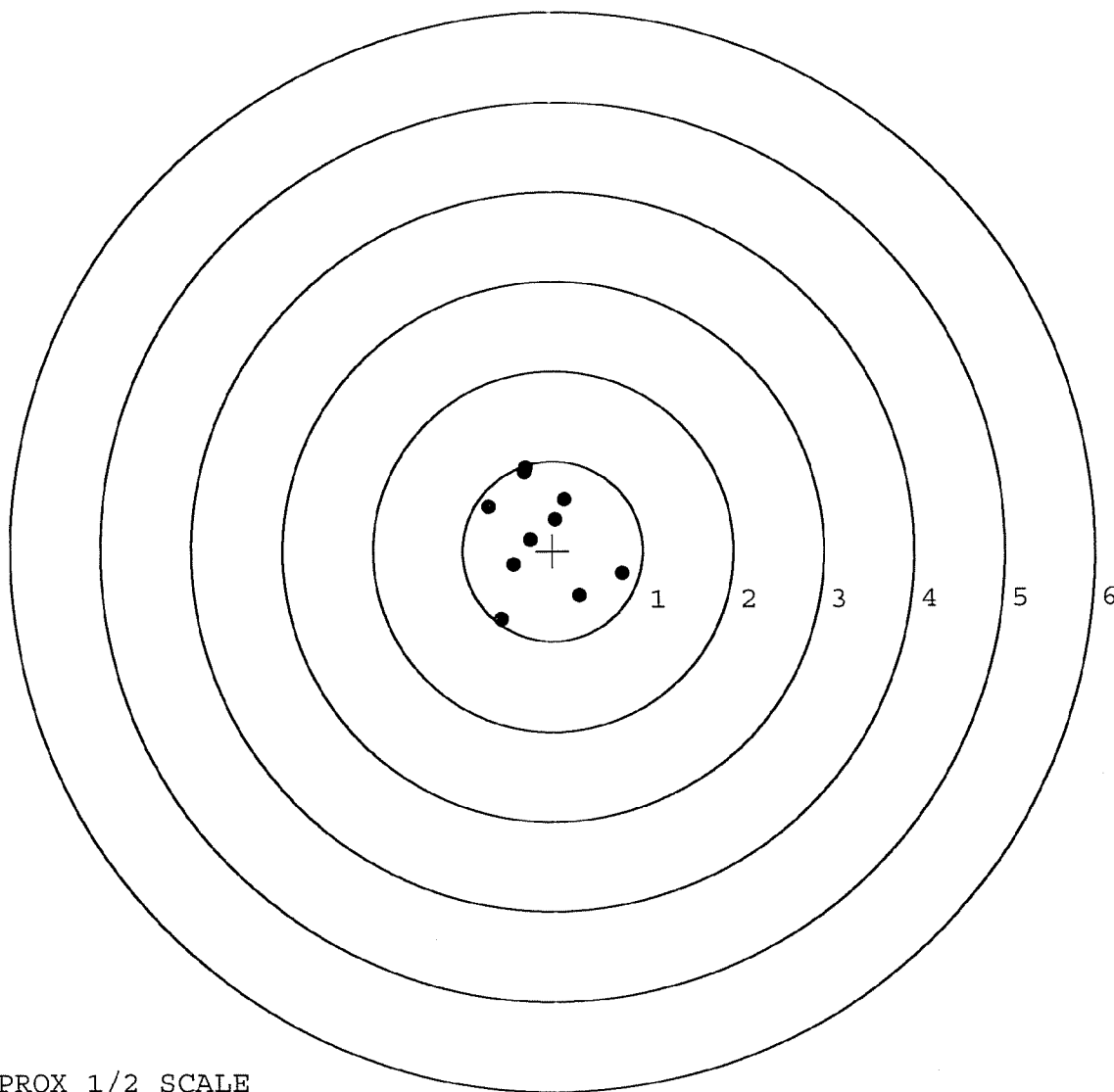
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.046
The Average Y Centroid of the Five Target Set:	0.105
The Average Point of Impact of the Five Target Set:	0.114
The Average Mean Radius of the Five Target Set:	0.775
The Distance from POA to Centroid Target #1:	0.214
The Distance from Centroid Target #2 to Centroid Target #1:	0.178
The Distance from Centroid Target #3 to Centroid Target #1:	0.366
The Distance from Centroid Target #4 to Centroid Target #1:	0.311
The Distance from Centroid Target #5 to Centroid Target #1:	0.245

SERIAL NUMBER: C6349026. __0
TARGET NUMBER: 1
FILE DATE: 03/08/2007
FILE TIME: 23:23

POINT#	X	Y
1:	-0.577	-0.765
2:	0.294	-0.507
3:	0.770	-0.261
4:	-0.300	0.933
5:	-0.708	0.496
6:	0.139	0.567
7:	0.027	0.347
8:	-0.250	0.121
9:	-0.438	-0.156
10:	-0.310	0.880

X CENTROID: -0.135
Y CENTROID: 0.165
POA TO CENTROID: 0.214
HORZ SPREAD: 1.478
VERT SPREAD: 1.698
GROUP SPREAD: 1.720
MIN RADIUS: 0.123
MAX RADIUS: 1.030
MEAN RADIUS: 0.630
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

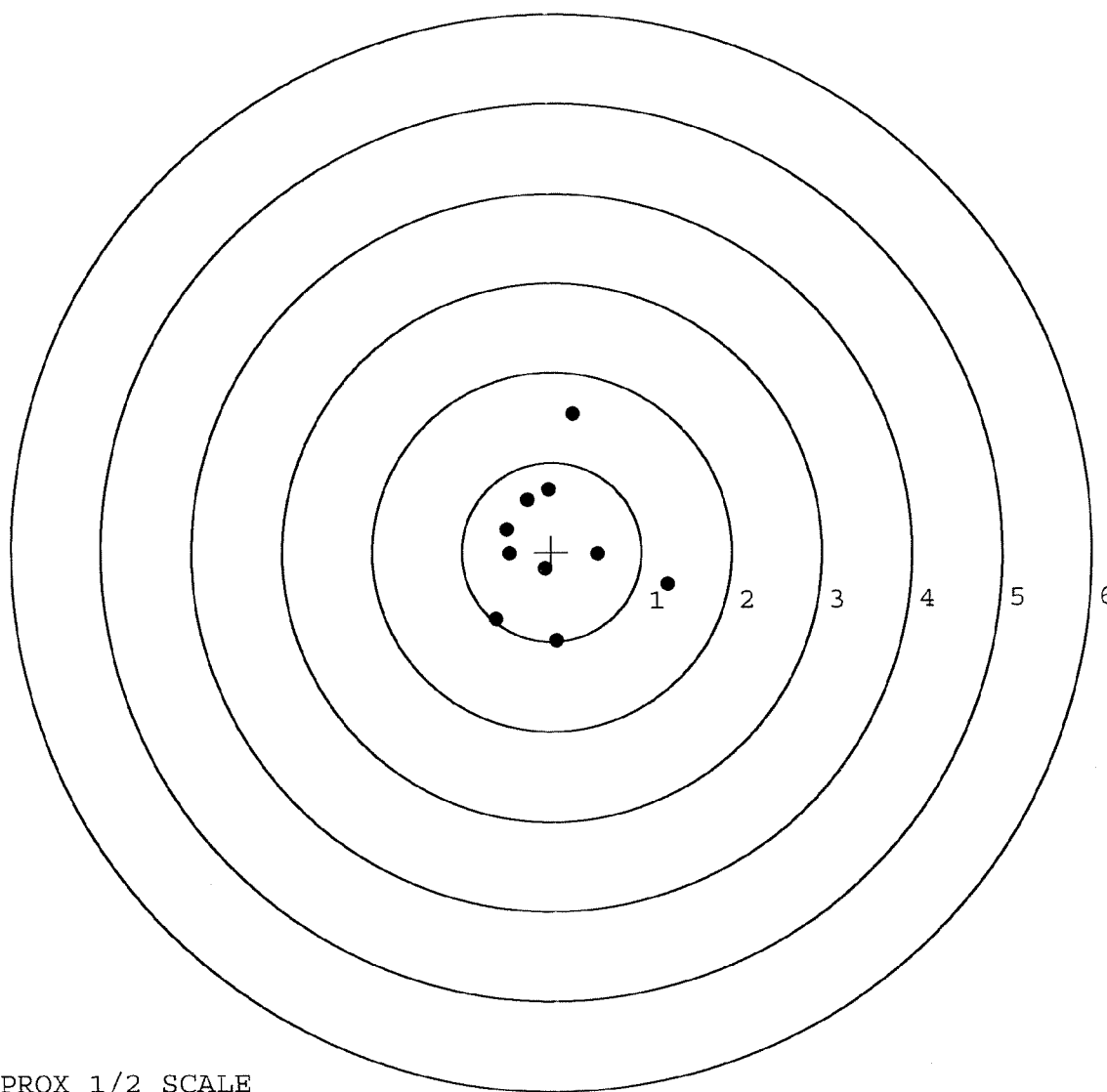


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349026. __0
TARGET NUMBER: 2
FILE DATE: 03/08/2007
FILE TIME: 23:23

POINT#	X	Y
1:	-0.633	-0.748
2:	0.051	-0.997
3:	0.515	-0.029
4:	1.290	-0.377
5:	0.254	1.531
6:	-0.032	0.696
7:	-0.262	0.582
8:	-0.495	0.256
9:	-0.467	-0.017
10:	-0.074	-0.193

X CENTROID: 0.015
Y CENTROID: 0.070
POA TO CENTROID: 0.072
HORZ SPREAD: 1.923
VERT SPREAD: 2.528
GROUP SPREAD: 2.536
MIN RADIUS: 0.278
MAX RADIUS: 1.480
MEAN RADIUS: 0.797
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

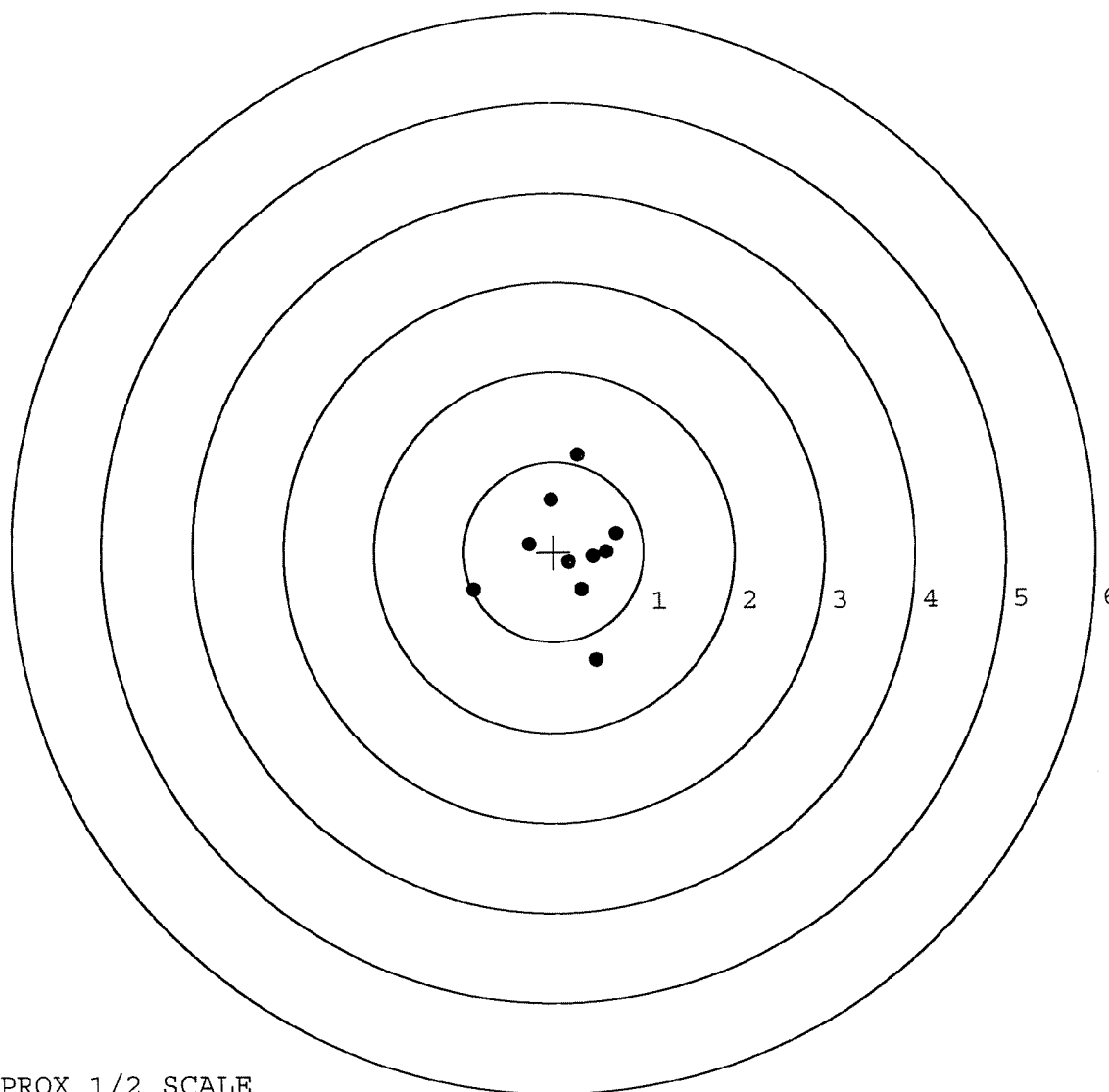


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349026.___0
TARGET NUMBER: 3
FILE DATE: 03/08/2007
FILE TIME: 23:23

X CENTROID: 0.175
Y CENTROID: -0.029
POA TO CENTROID: 0.177
HORZ SPREAD: 1.584
VERT SPREAD: 2.285
GROUP SPREAD: 2.293
MIN RADIUS: 0.088
MAX RADIUS: 1.217
MEAN RADIUS: 0.630
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.887	-0.418
2:	0.465	-1.211
3:	0.309	-0.421
4:	0.172	-0.117
5:	-0.269	0.091
6:	-0.027	0.582
7:	0.274	1.074
8:	0.697	0.201
9:	0.582	-0.012
10:	0.435	-0.059

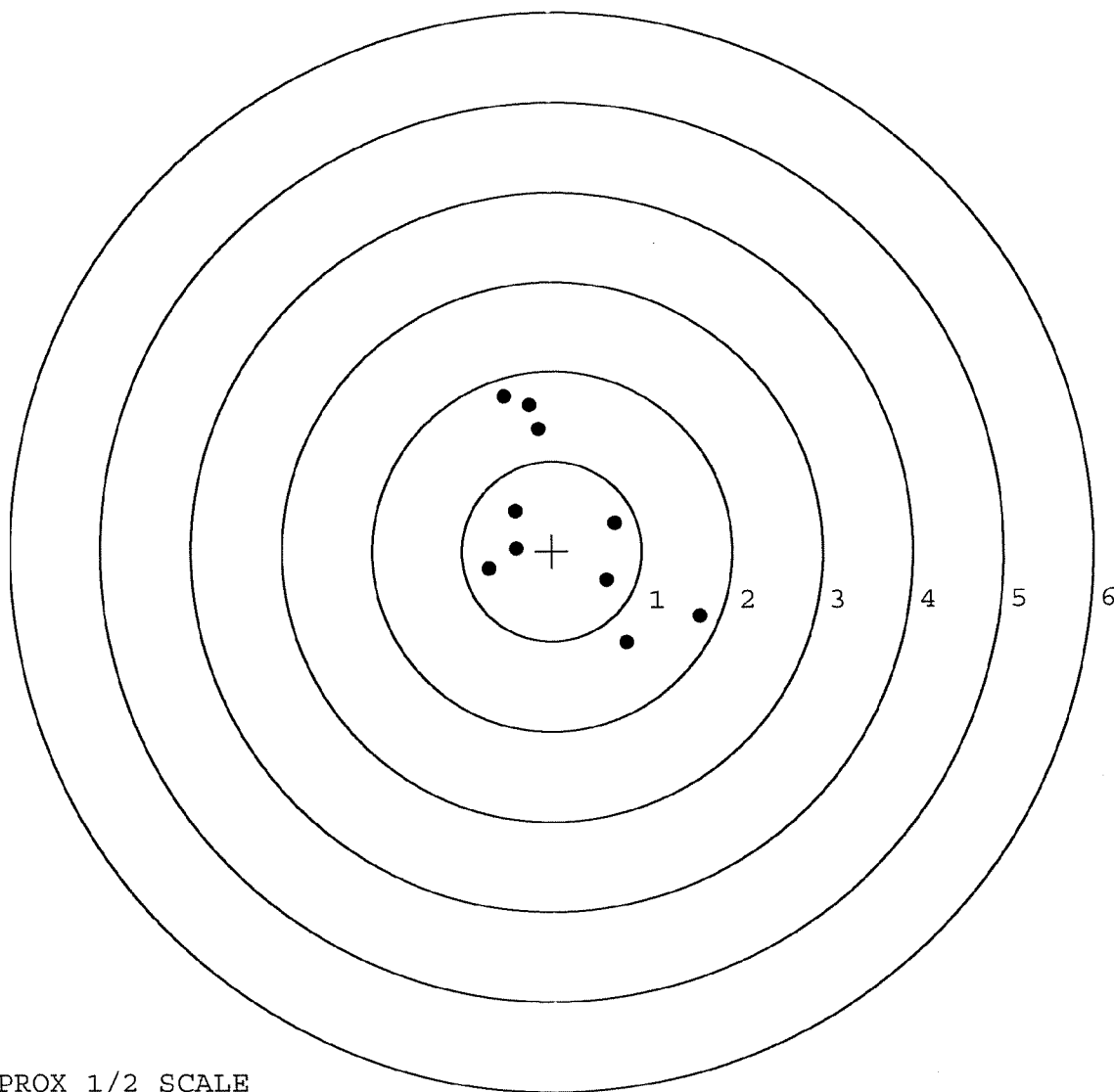


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349026. __0
TARGET NUMBER: 4
FILE DATE: 03/08/2007
FILE TIME: 23:23

POINT#	X	Y
1:	-0.526	1.720
2:	-0.246	1.621
3:	-0.140	1.355
4:	-0.406	0.452
5:	-0.398	0.032
6:	-0.703	-0.194
7:	0.705	0.309
8:	0.609	-0.332
9:	0.823	-1.033
10:	1.636	-0.739

X CENTROID: 0.135
Y CENTROID: 0.319
POA TO CENTROID: 0.347
HORZ SPREAD: 2.339
VERT SPREAD: 2.753
GROUP SPREAD: 3.274
MIN RADIUS: 0.557
MAX RADIUS: 1.836
MEAN RADIUS: 1.085
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 7

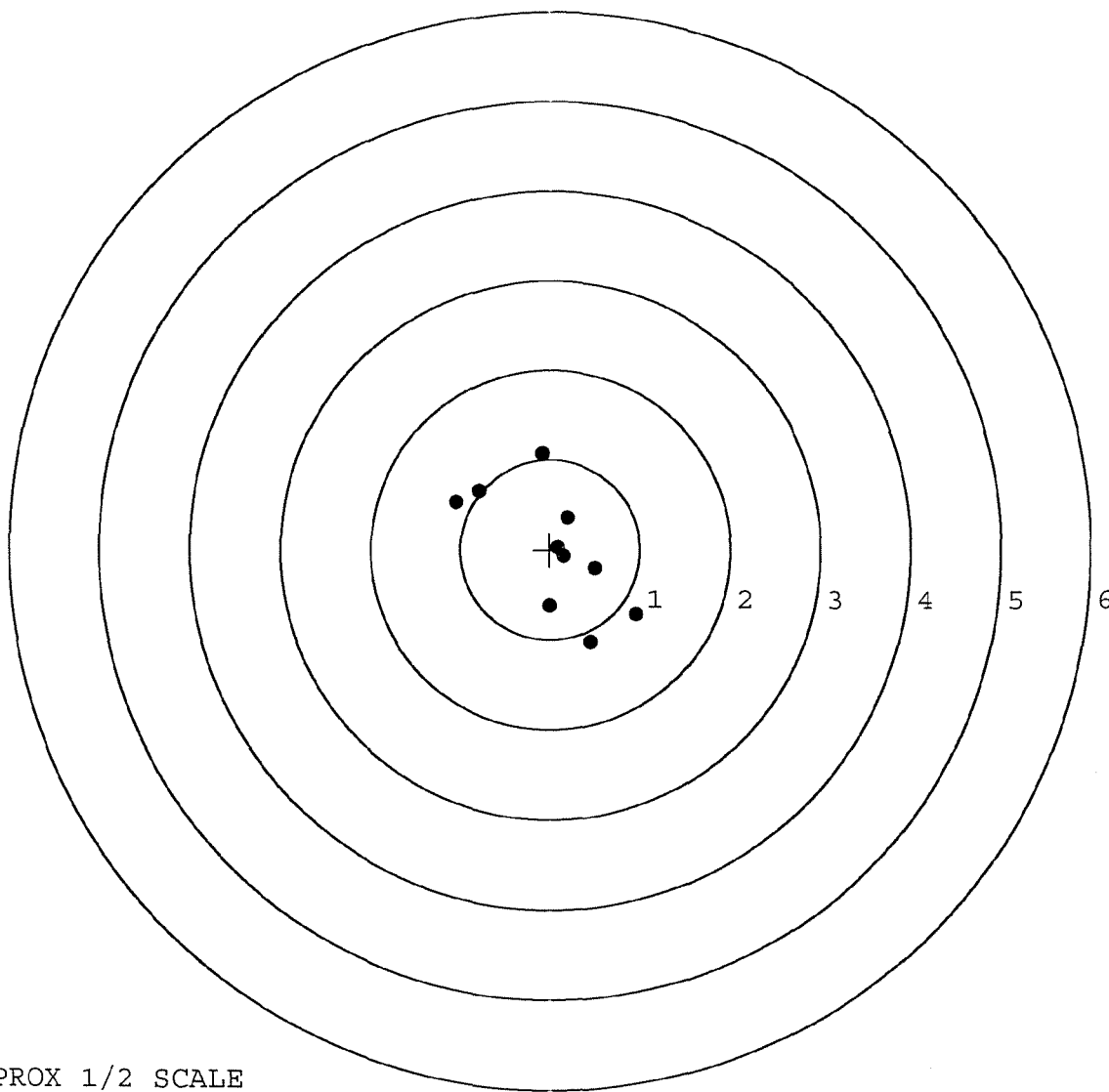


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349026. __0
TARGET NUMBER: 5
FILE DATE: 03/08/2007
FILE TIME: 23:23

POINT#	X	Y
1:	-1.052	0.527
2:	-0.791	0.657
3:	-0.084	1.063
4:	-0.009	-0.627
5:	0.453	-1.030
6:	0.957	-0.721
7:	0.506	-0.210
8:	0.159	-0.077
9:	0.196	0.358
10:	0.088	0.032

X CENTROID: 0.042
Y CENTROID: -0.003
POA TO CENTROID: 0.042
HORZ SPREAD: 2.009
VERT SPREAD: 2.093
GROUP SPREAD: 2.365
MIN RADIUS: 0.057
MAX RADIUS: 1.216
MEAN RADIUS: 0.734
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10

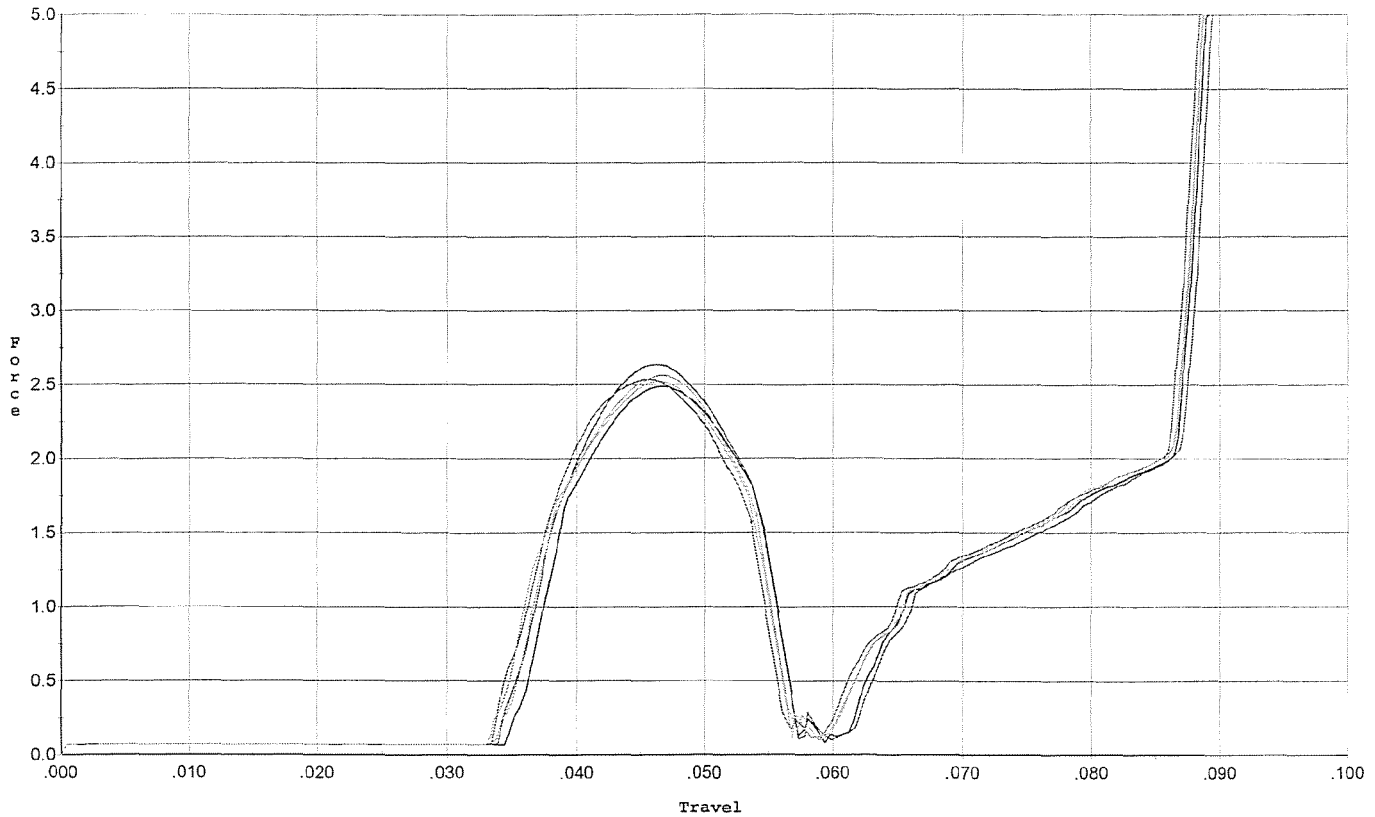


TARGET APPROX 1/2 SCALE

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 1/09/07

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



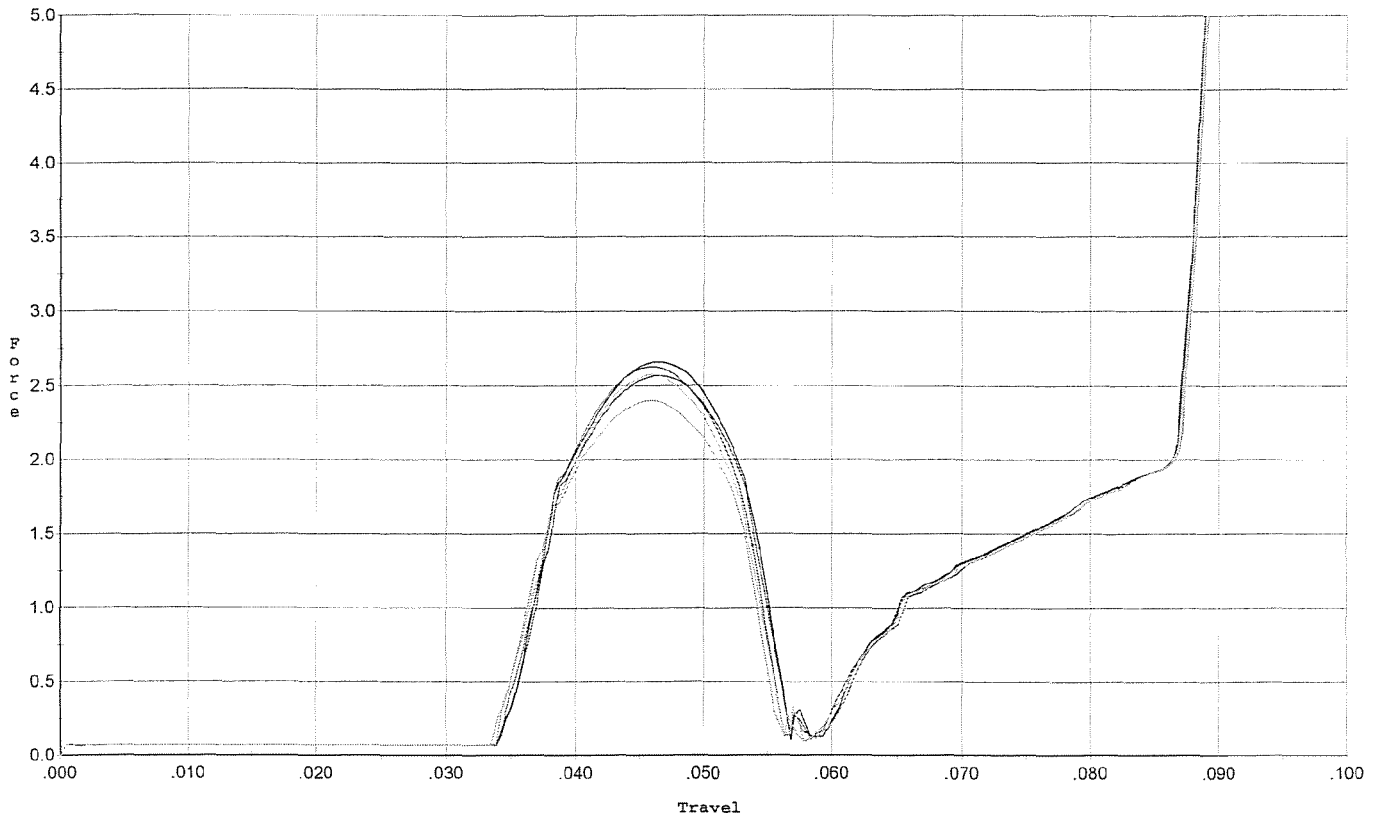
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.636	0.055	0.034	0.040	0.043		Set Trigger
2	2.489	0.055	0.035	0.039	0.041		Set Trigger
3	2.536	0.054	0.034	0.039	0.042		Set Trigger
4	2.521	0.054	0.034	0.039	0.042		Set Trigger
5	2.564	0.054	0.034	0.040	0.042		Set Trigger

Avg 2.54

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putch 1/09/07

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



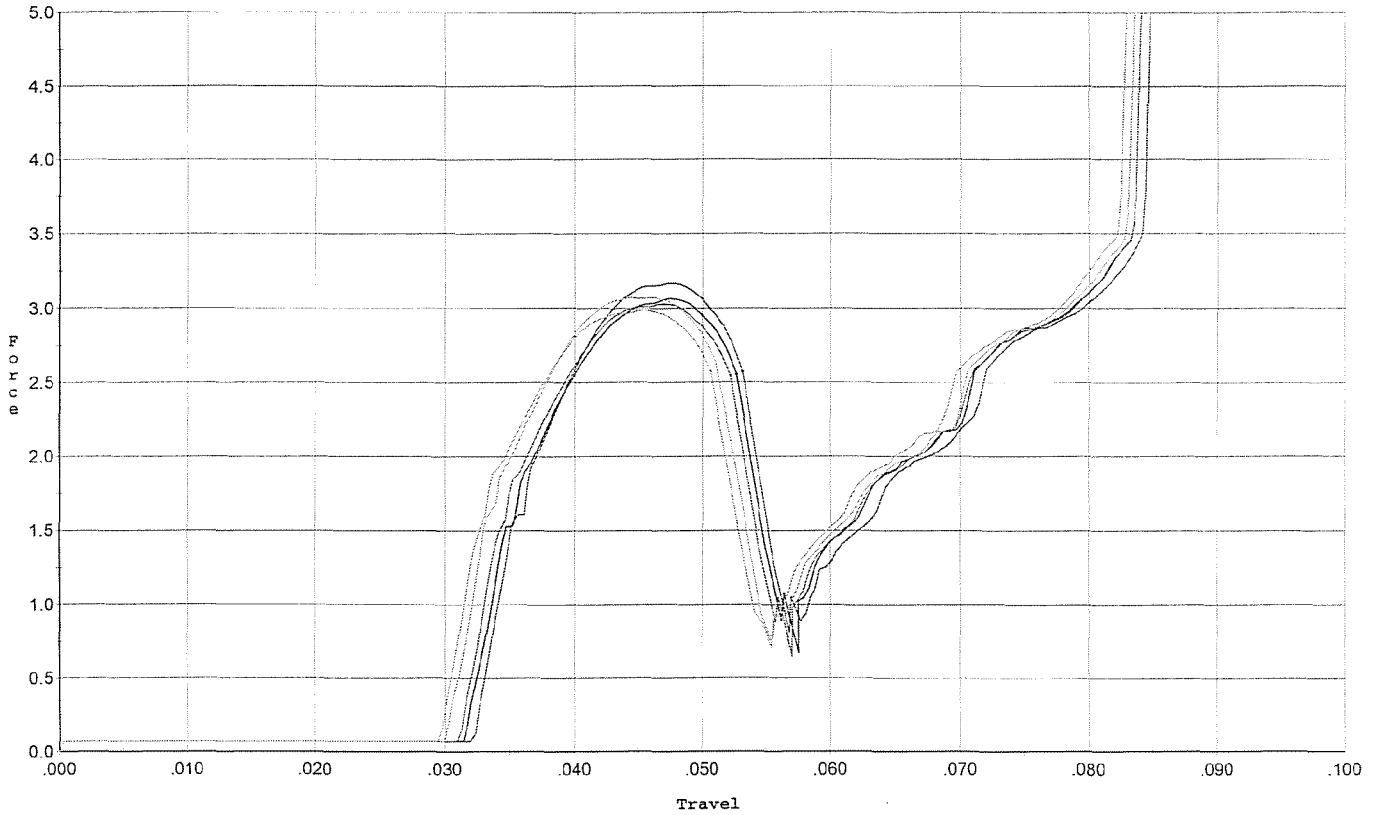
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.569	0.055	0.034	0.040	0.042		Set Trigger
2	2.659	0.054	0.034	0.040	0.043		Set Trigger
3	2.627	0.054	0.034	0.040	0.042		Set Trigger
4	2.579	0.054	0.034	0.040	0.042		Set Trigger
5	2.400	0.053	0.034	0.040	0.039		Set Trigger

Aug 2.56

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 1/09/07

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



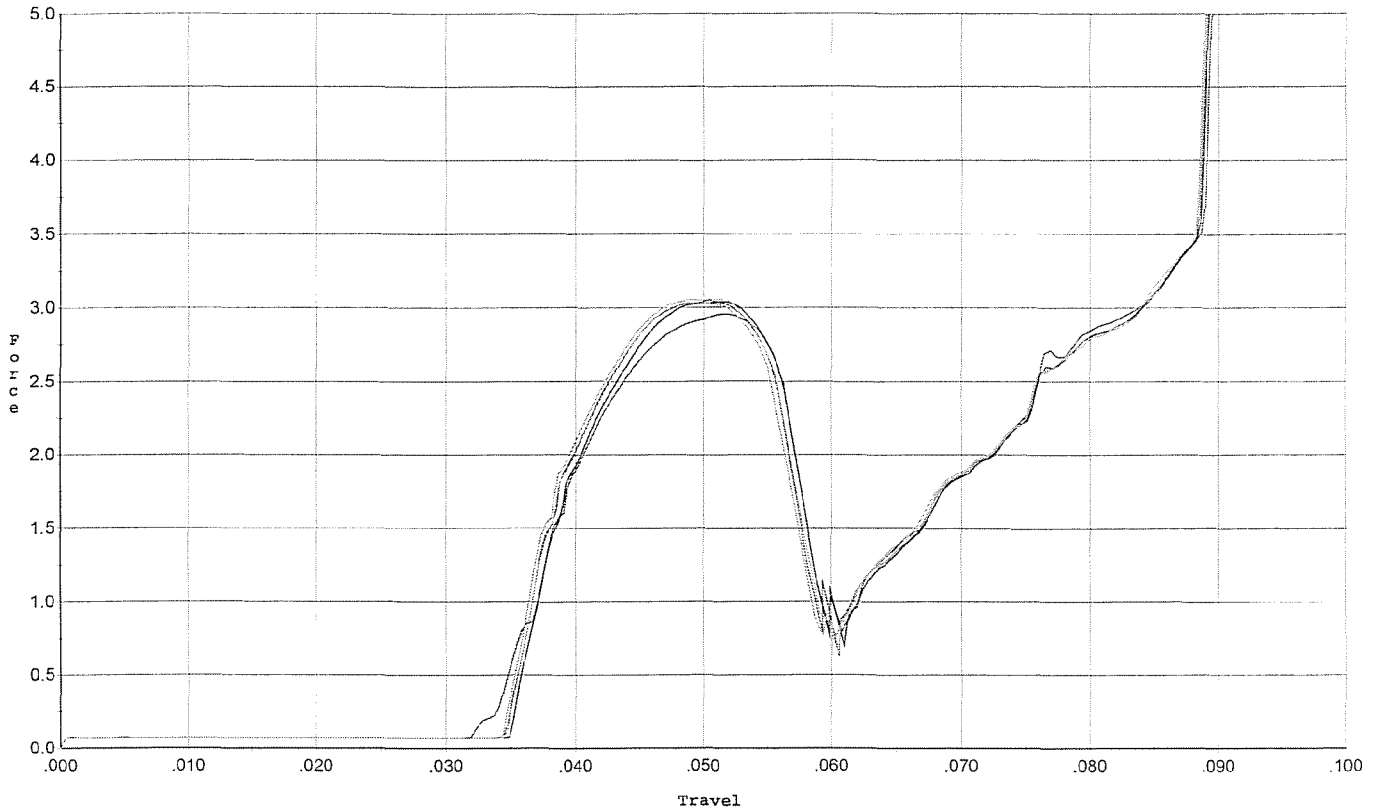
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.167	0.053	0.033	0.035	0.056		Set Trigger
2	3.066	0.053	0.032	0.035	0.054		Set Trigger
3	3.029	0.052	0.031	0.035	0.054		Set Trigger
4	3.073	0.053	0.030	0.035	0.057		Set Trigger
5	2.991	0.051	0.030	0.035	0.054		Set Trigger

Avg 3.06

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 1/09/07

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



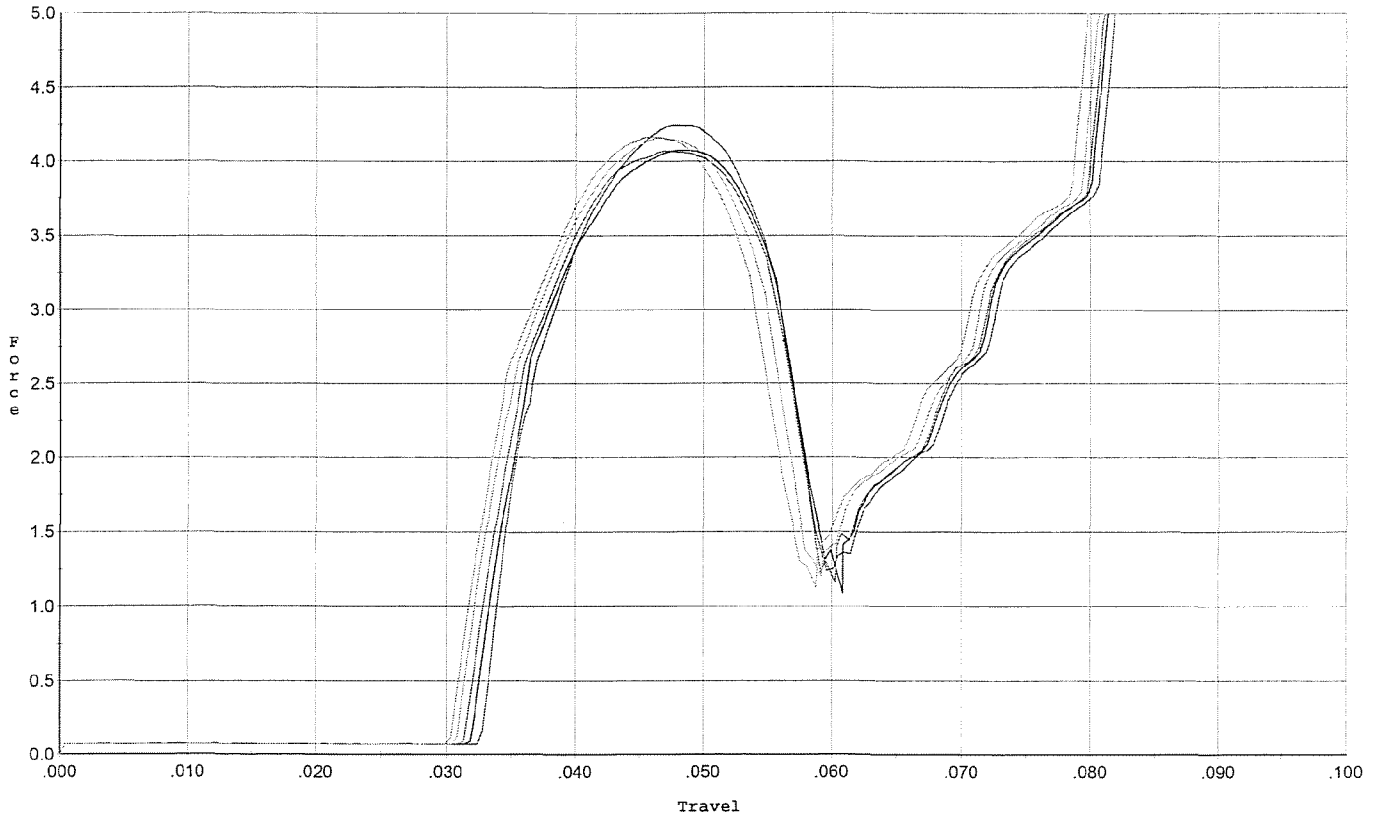
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.955	0.056	0.032	0.038	0.054		Set Trigger
2	3.039	0.056	0.035	0.037	0.054		Set Trigger
3	3.049	0.056	0.035	0.037	0.054		Set Trigger
4	3.058	0.056	0.035	0.037	0.054		Set Trigger
5	3.038	0.057	0.035	0.037	0.056		Set Trigger

Avg 3.02

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 1/09/07

Model: M/24
Serial No: Form #F005
Trigger: 4.0 lbs. ini. +/- .75 lbs.



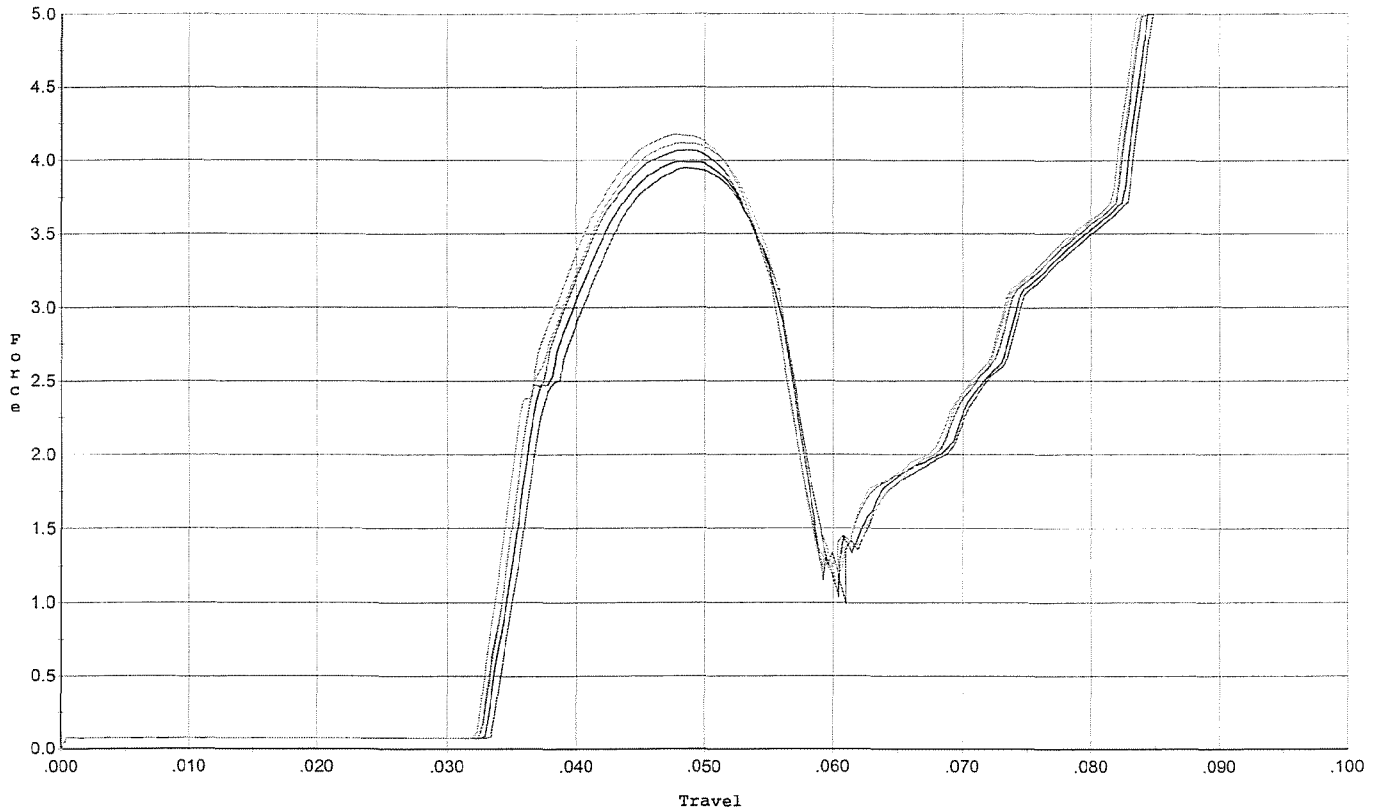
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.243	0.056	0.033	0.031	0.081		Set Trigger
2	4.072	0.056	0.032	0.031	0.081		Set Trigger
3	4.069	0.056	0.032	0.031	0.083		Set Trigger
4	4.155	0.055	0.031	0.031	0.082		Set Trigger
5	4.165	0.054	0.031	0.031	0.080		Set Trigger

Avg 4.14

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 1/09/07

Model: M/24
Serial No: Form #F005
Trigger: 4.0 lbs. after 20 cycles +/- .75 lbs.



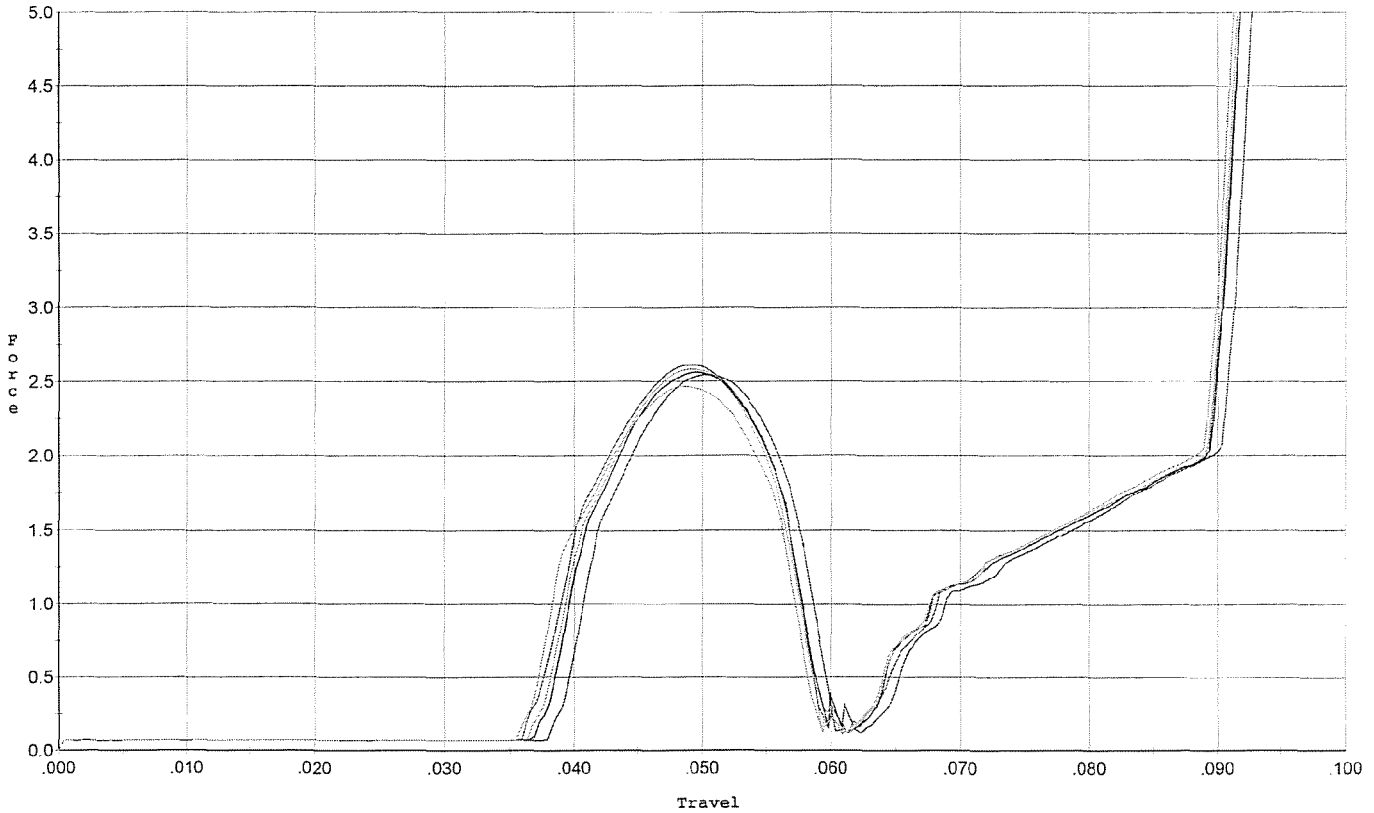
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.948	0.056	0.034	0.034	0.073		Set Trigger
2	3.990	0.056	0.033	0.034	0.076		Set Trigger
3	4.067	0.055	0.033	0.033	0.076		Set Trigger
4	4.120	0.056	0.033	0.033	0.079		Set Trigger
5	4.174	0.055	0.033	0.033	0.079		Set Trigger

Avg 4.06

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 1/09/07

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



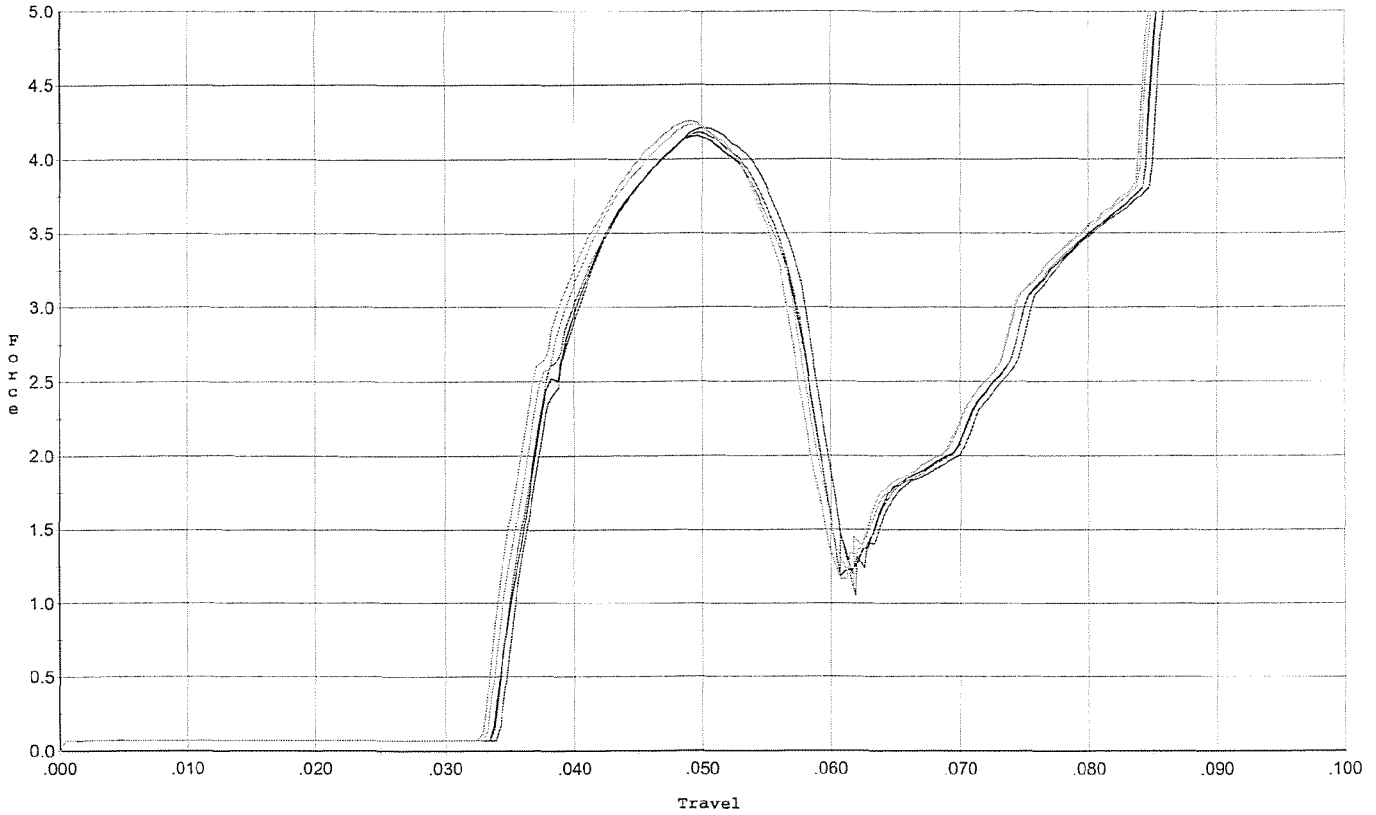
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.545	0.058	0.038	0.041	0.041		Set Trigger
2	2.563	0.056	0.037	0.041	0.041		Set Trigger
3	2.609	0.057	0.036	0.041	0.043		Set Trigger
4	2.582	0.057	0.037	0.040	0.042		Set Trigger
5	2.469	0.056	0.036	0.041	0.041		Set Trigger

Avg 2.55

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putsch 1/09/07

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	4.212	0.058	0.034	0.033	0.082		Set Trigger
2	4.158	0.058	0.034	0.033	0.081		Set Trigger
3	4.181	0.058	0.034	0.033	0.081		Set Trigger
4	4.234	0.057	0.033	0.033	0.081		Set Trigger
5	4.258	0.056	0.033	0.033	0.082		Set Trigger

Avg 4.20

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

5046

R & E NUMBER	121718		
SERIAL NUMBER	C6349026		
LOG-IN DATE	12-11-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	2-20-07	RTL
505	RE-BARREL	2-21-07	RTL
560	ASSEMBLE	2-21-07	RTL
600	PROOF	2-21-07	TRW
605	CHECK HEADSPACE	INSPECTED 2-21-07	TRW
610	DIS-ASSEMBLE GUN	FEB 22 2007 2-21-07	RTL
612	MAGNAFLUX	OPERATOR <u>CPD</u> 2-22-07	APD
510	DRILL AND TAP	N/A 2-21-07	TRW
615	ROLLMARK CALIBER	2-21-07	CIN
618	ROTO-BLAST	2-22-07	CB
620	APPLY COATINGS	3-1-07	WJ
625	FINAL ASSEMBLY	3-7-07	RTL
640	FUNCTION TEST AND	PASS FAIL 3-8-07	nom
650	TARGET	PASS FAIL 3-8-07	nom
	MALFUNCTION <i>CH over live rds.</i>	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION N/A	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		
	A) HEADSPACE	PASS FAIL 3/9/07	nom
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.32 2.25 2.40 2.23 2.35 3-9-07 TRW
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.5 5.75 5.75 3-9-07 TRW
	G) SAFETY OFF FORCE	2 LBS MIN	2.5 2.25 2.25 3-9-07 TRW
	I) FIRING PIN INDENT	.020	.0245 .0245 .0245 3-9-07 TRW
690	PACK		3-19-07 RA

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: **RE00055178** Serial: C6349026 Model 700 Center Fire Caliber 7.62 NATO M-24 (SWS) Repairman: Status: Closed 11/6/2002 9:23:34 AM

Verify Repair

Address Information

Customer: ☐ Received From: ☒ Return To: ☐ Received From: ☐

Name: **COMMANDER HHC 1 27 IN** **COMMANDER HHC 1 27 IN**

Address 1:

Address 2: PO Box:

City: **SCHOFIELD BARRACKS** **SCHOFIELD BARRACKS**

State: **HI** Zip Code: **96857** Country: **US** State: **HI** Zip Code: **96857** Country: **US**

FPL: ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Pool:

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A017	Scope Base	1
A026	Scope	1
X	FRT & REAR SGT BA	1
XX	DEPLOYMENT KIT	1

Repair Search **Refresh** **Close**

maglej 11/6/2002 9:06 AM CAPS NUM INS SCRL

start 4 M Arms... SAP 3 M... Part... MY D... 2 L... FW... 9:06 AM

Serial Number: **C6349026**

Model: **700**



RE00055178

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C5349026.__0
FILE DATE AND TIME: 11/22/2002 09:32

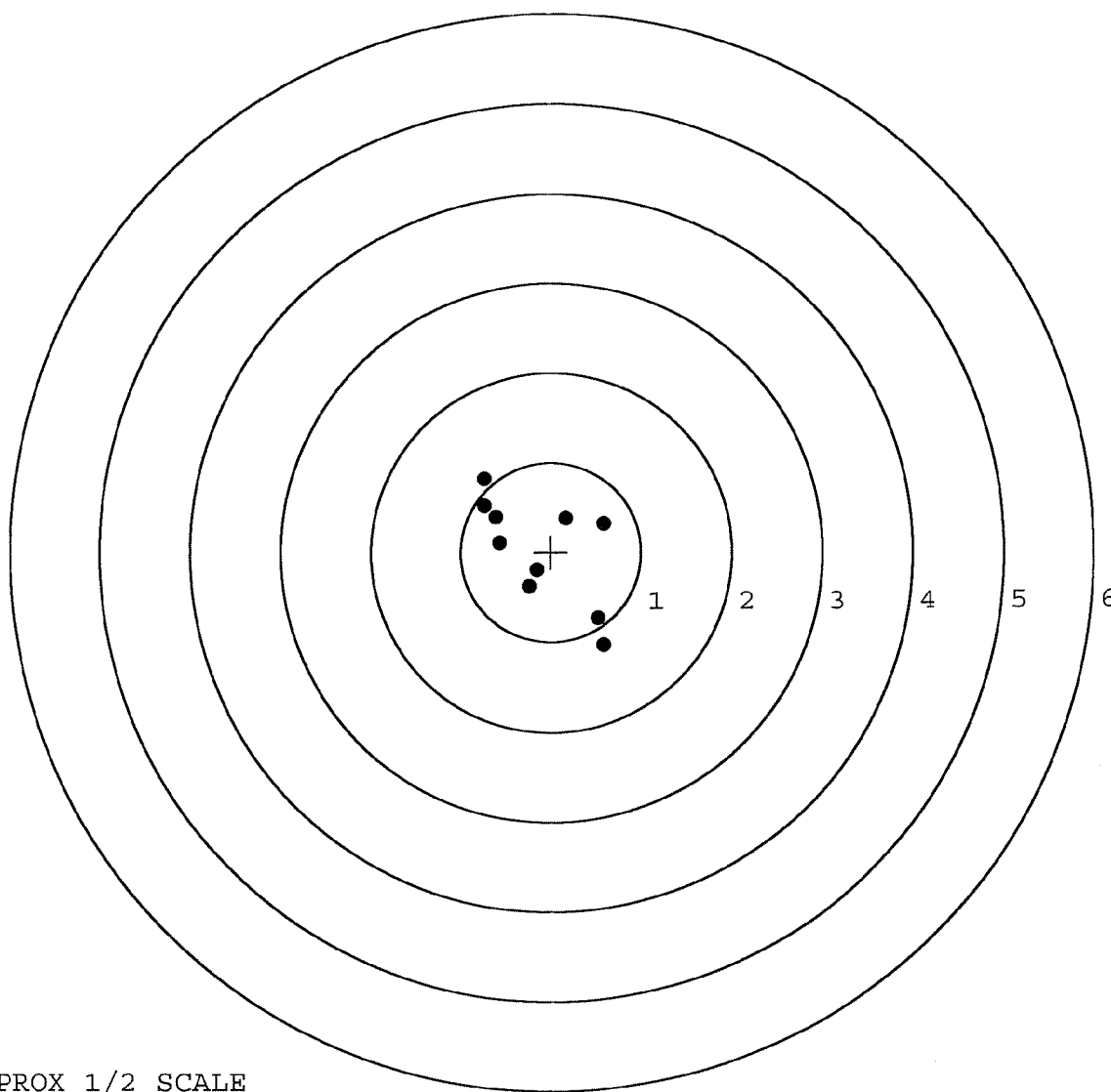
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.082
The Average Y Centroid of the Five Target Set:	-0.073
The Average Point of Impact of the Five Target Set:	0.110
The Average Mean Radius of the Five Target Set:	0.724
The Distance from POA to Centroid Target #1:	0.120
The Distance from Centroid Target #2 to Centroid Target #1:	0.049
The Distance from Centroid Target #3 to Centroid Target #1:	0.174
The Distance from Centroid Target #4 to Centroid Target #1:	0.110
The Distance from Centroid Target #5 to Centroid Target #1:	0.236

SERIAL NUMBER: C5349026. __0
TARGET NUMBER: 1
FILE DATE: 11/22/2002
FILE TIME: 09:32

POINT#	X	Y
1:	0.582	-1.040
2:	0.525	-0.746
3:	-0.245	-0.389
4:	-0.155	-0.206
5:	-0.570	0.112
6:	-0.610	0.397
7:	-0.738	0.823
8:	0.168	0.379
9:	0.588	0.315
10:	-0.736	0.524

X CENTROID: -0.119
Y CENTROID: 0.017
POA TO CENTROID: 0.120
HORZ SPREAD: 1.326
VERT SPREAD: 1.863
GROUP SPREAD: 2.283
MIN RADIUS: 0.226
MAX RADIUS: 1.268
MEAN RADIUS: 0.704
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

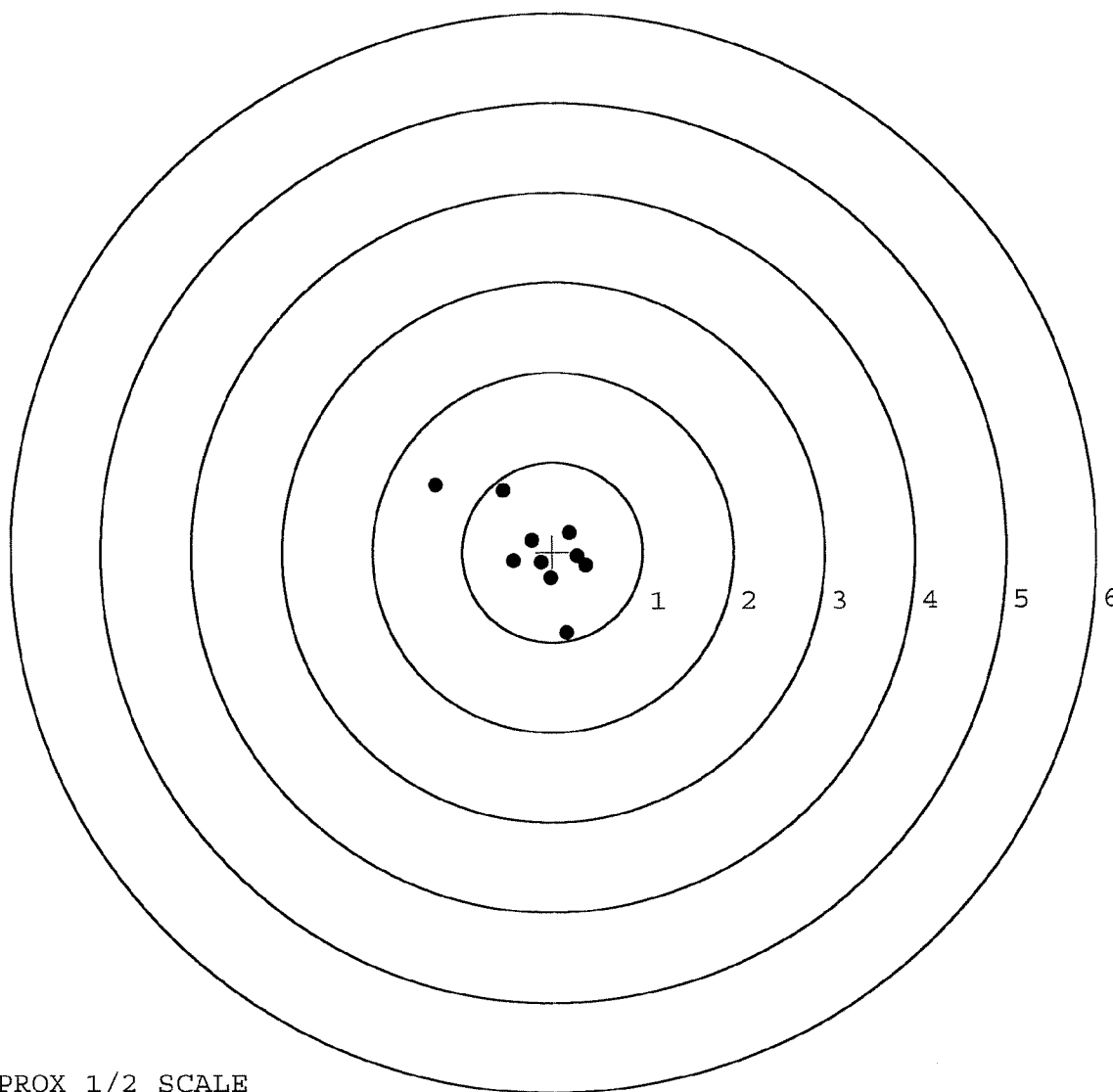


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C5349026.___0
TARGET NUMBER: 2
FILE DATE: 11/22/2002
FILE TIME: 09:32

X CENTROID: -0.168
Y CENTROID: 0.016
POA TO CENTROID: 0.169
HORZ SPREAD: 1.669
VERT SPREAD: 1.657
GROUP SPREAD: 2.206
MIN RADIUS: 0.134
MAX RADIUS: 1.351
MEAN RADIUS: 0.545
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.158	-0.901
2:	0.371	-0.155
3:	0.279	-0.050
4:	0.192	0.209
5:	-0.025	-0.294
6:	-0.440	-0.103
7:	-0.233	0.133
8:	-0.553	0.691
9:	-1.298	0.756
10:	-0.130	-0.126

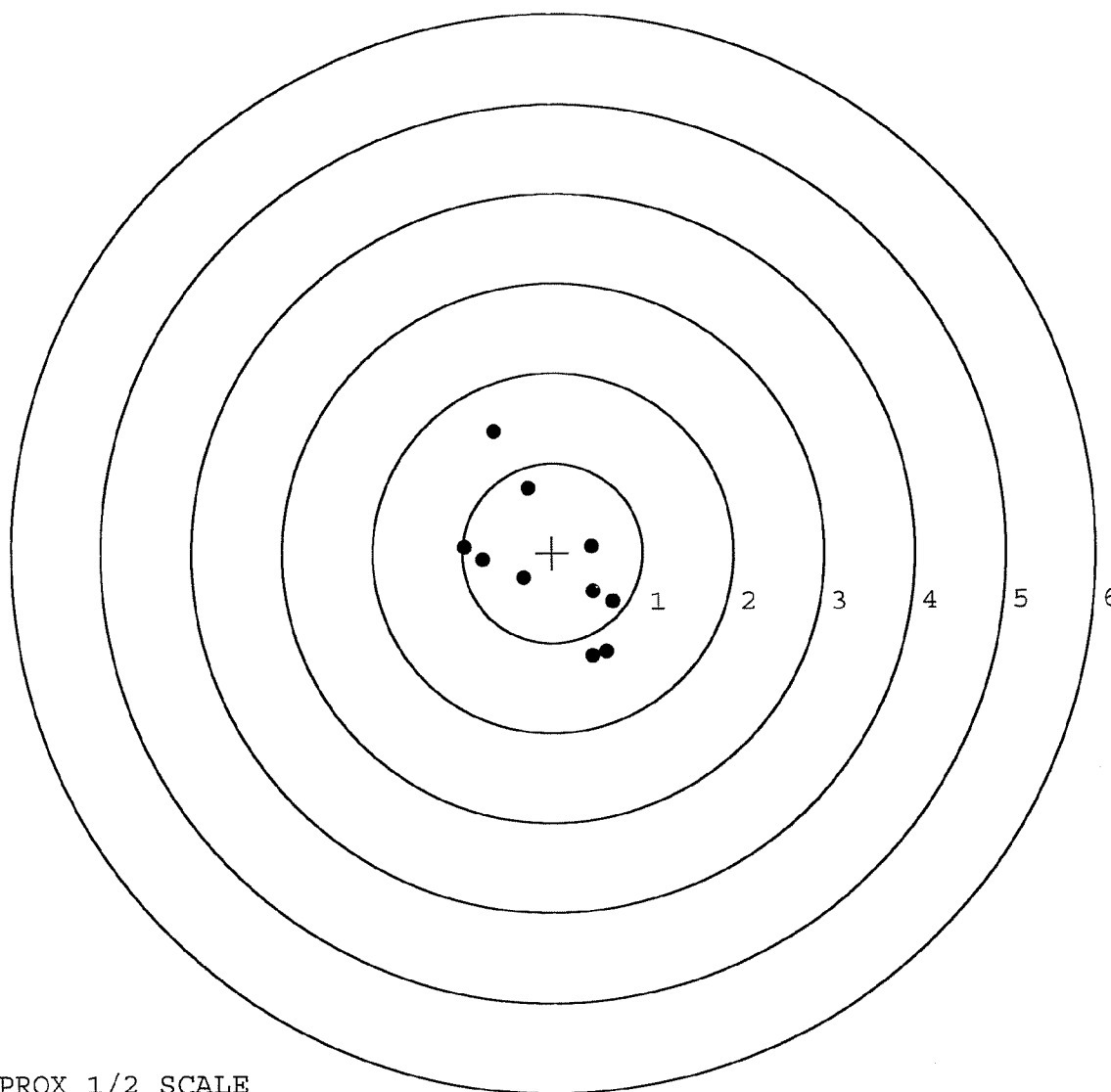


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C5349026. __0
TARGET NUMBER: 3
FILE DATE: 11/22/2002
FILE TIME: 09:32

POINT#	X	Y
1:	0.444	-1.152
2:	0.599	-1.105
3:	0.671	-0.552
4:	0.453	-0.435
5:	0.435	0.070
6:	-0.324	-0.282
7:	-0.779	-0.074
8:	-0.979	0.067
9:	-0.270	0.724
10:	-0.641	1.358

X CENTROID: -0.039
Y CENTROID: -0.138
POA TO CENTROID: 0.144
HORZ SPREAD: 1.650
VERT SPREAD: 2.510
GROUP SPREAD: 2.758
MIN RADIUS: 0.319
MAX RADIUS: 1.613
MEAN RADIUS: 0.872
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

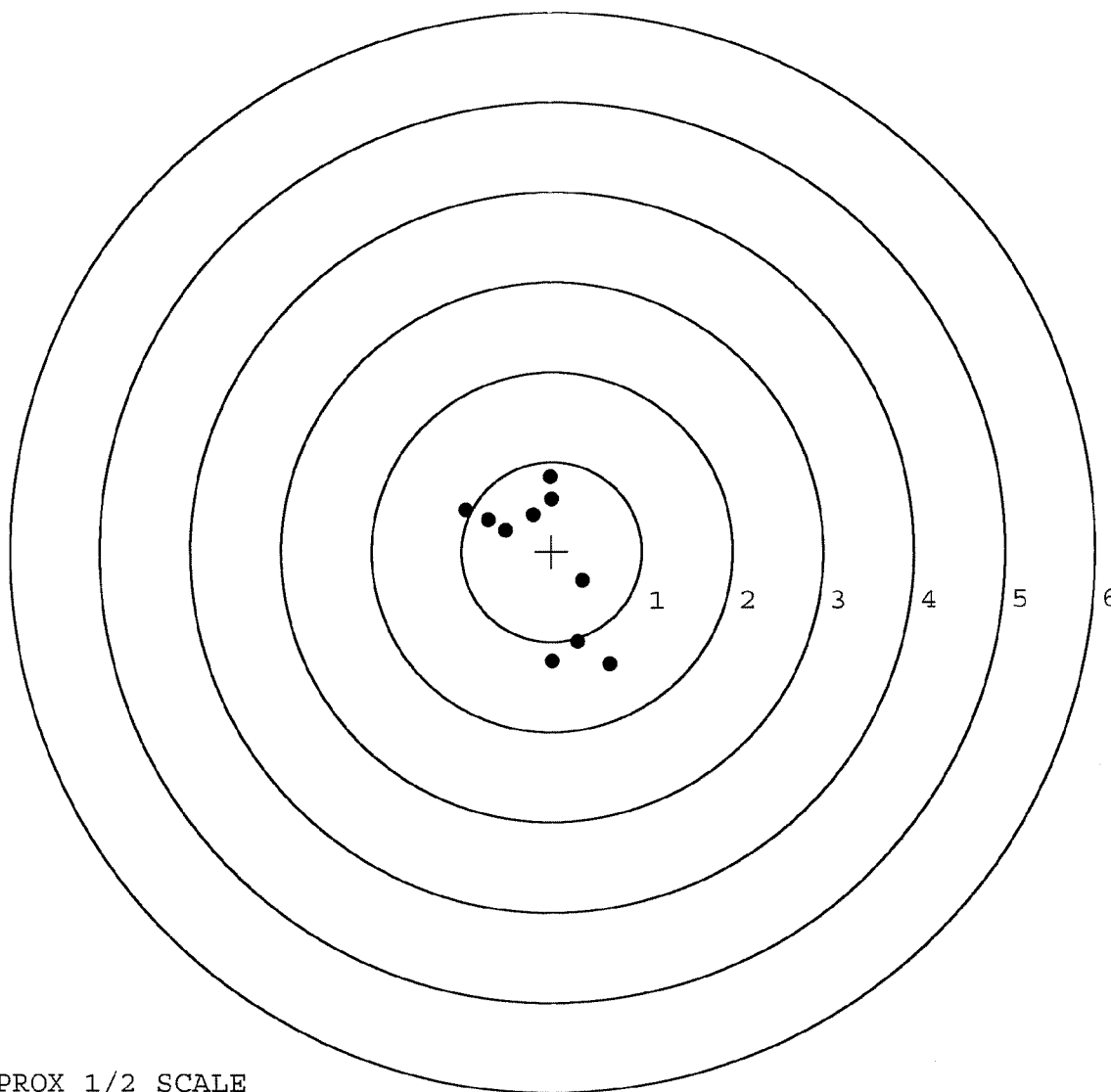


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C5349026. __0
TARGET NUMBER: 4
FILE DATE: 11/22/2002
FILE TIME: 09:32

POINT#	X	Y
1:	0.646	-1.260
2:	0.288	-1.010
3:	-0.003	-1.224
4:	0.341	-0.327
5:	-0.950	0.470
6:	-0.706	0.356
7:	-0.512	0.235
8:	-0.205	0.412
9:	-0.004	0.586
10:	-0.018	0.832

X CENTROID: -0.112
Y CENTROID: -0.093
POA TO CENTROID: 0.146
HORZ SPREAD: 1.596
VERT SPREAD: 2.092
GROUP SPREAD: 2.354
MIN RADIUS: 0.510
MAX RADIUS: 1.392
MEAN RADIUS: 0.844
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C5349026. 0

TARGET NUMBER: 5

FILE DATE: 11/22/2002

FILE TIME: 09:32

POINT#	X	Y
1:	0.767	-0.861
2:	0.593	-0.811
3:	0.413	-0.756
4:	0.218	-0.680
5:	-0.069	-0.188
6:	-0.061	-0.080
7:	0.260	0.196
8:	-0.428	0.301
9:	-0.681	0.402
10:	-0.729	0.801

X CENTROID: 0.028

Y CENTROID: -0.168

POA TO CENTROID: 0.170

HORZ SPREAD: 1.496

VERT SPREAD: 1.662

GROUP SPREAD: 2.236

MIN RADIUS: 0.099

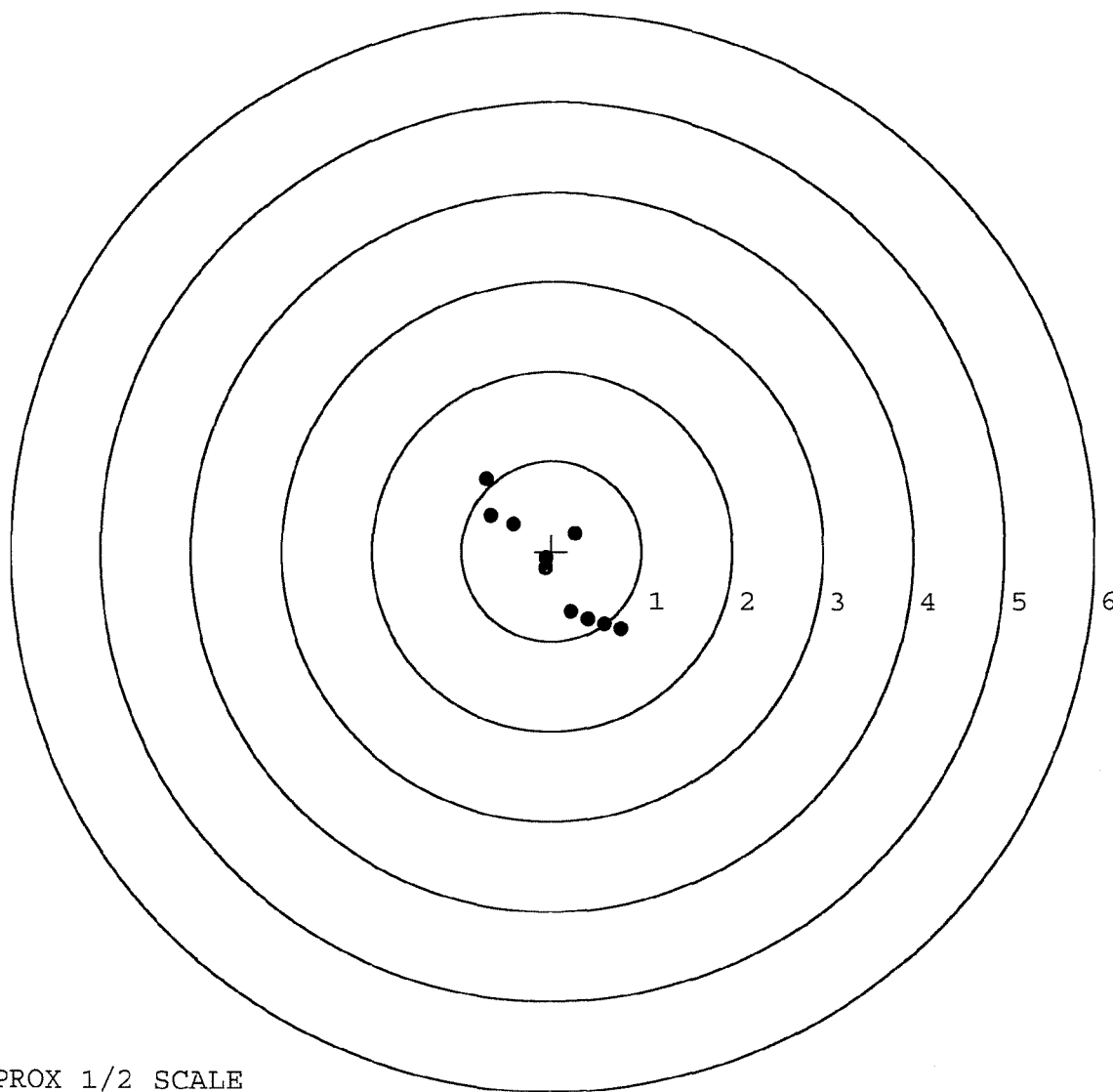
MAX RADIUS: 1.230

MEAN RADIUS: 0.657

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	55178		
SERIAL NUMBER	C6349026		
LOG-IN DATE	11-6-02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11/12/02	RL
560 A	RE-BARREL	11-13-02	RL
B	DRILL AND TAP	11-13-02	TRW
575	ASSEMBLE	11-13-02	RL
600	PROOF MAGNA-FLUX	11-13-02	AC
605	CHECK HEADSPACE INSPECTED	11-13-02	AC
610	DIS-ASSEMBLE GUN NOV 13 2002	11-13-02	RL
612	MAGNAFLUX OPERATOR <u>ARS</u>		
615	ROLLMARK CALIBER	11-18-02	RL
618	ROTO-BLAST	11/14/02	RL
620	APPLY COATINGS	11-19-02	TH
625 A	FINAL ASSEMBLY	11-20-02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-21-02	AC
655	FINAL INSPECT	11-21-02	RL
660	PACK	11-21-02	TH
		SHIP DATE	
QAR INSPECTION DATE			

Final Inspection

In: C6349026

DATE REC'D: 11-6-02

DATE RET'D: 11-21-02

EDITOR: RL

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: _____

657015

MAINTENANCE REQUEST				PAGE NO. <u>1</u>		NO. OF PAGES <u>1</u>		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 <u>HHC 127 INF BN</u>		B. LOCATION <u>Schofield Bks, HI 96857</u>			C. UNIT IDENT CODE <u>WAL8TD</u>		
2. SERIAL NO. <u>C6349026</u>		3. NOUN NOMENCLATURE <u>M24 Sniper Rifle</u>		4. LINE NO. <u>R95387</u>		5. MODEL		6. NATIONAL STOCK NUMBER <u>1005-D1-240-2136</u>	
7A. MAINTENANCE ACTIVITY <u>calibration</u>		B. LEVEL <u>D5</u>		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC	
						9C. PACING ITEM		10. HOURS	
								11. MILES	
								12. ROUNDS	
								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 ☐ B Handling ☐ D Normal Op ☐ F Inspection ☐ H Other					☐ 008 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 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). <u>Verifying Serial number / And weapon has fired more than 5,000 rounds, needs calibration due</u>									
B. REMARKS									
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 <u>[Signature]</u>					24. RECEIVED BY				
JULIAN DATE					JULIAN DATE				

DA FORM 2407, AUG 88

EDITION OF MAY 81 MAY BE USED

RECEIPT COPY 1

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400106089

MAINTENANCE REQUEST				PAGE NO. 1		NO. OF PAGES 1		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 <i>HHC 127 INF BN</i>		B. LOCATION <i>Schofield Bk, HT 96867</i>			C. UNIT IDENT CODE <i>WAL8TD</i>			
2. SERIAL NO. <i>C6349026</i>		3. NOUN NOMENCLATURE <i>M24 Sniper Rifle</i>		4. LINE NO. <i>295387</i>		5. MODEL		6. NATIONAL STOCK NUMBER <i>1005-DI-740-2136</i>		
7A. MAINTENANCE ACTIVITY <i>calibration</i>		B. LEVEL <i>DS</i>		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC		
						9C. PACING ITEM		10. HOURS		
								11. MILES		
								12. ROUNDS		
								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		
☐ B Handling		☐ D Normal Op		☐ F Inspection		☐ H Other		☐ 258 Overheating		
								☐ 790 Out of Adjustment		
								☐ 008 Noisy		
								☐ 387 Low Performance		
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). <i>Verifying serial number / And weapon has fired more than 5,000 rounds, needs calibration due</i>										
B. REMARKS										
SECTION II - WORK ACCOMPLISHED										
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)			19. AMS ACCT. CODE	
B. LOCATION						☐ 1 TOE ☐ 2 TD ☒ 3 Contractor				
20A. ACT. CODE		B. FAILURE CODE		C. COMPONENT/PART NOUN, SVC, OR MWO NO.			D. MANHOURS (Hrs. & tenths)		E. NATIONAL STOCK NUMBER	
				I. TOTAL MANHOURS		J. TOTAL MANHOURS COST		K. TOTAL PARTS COST		
						\$		\$		
21. DELAY (Select One)										
☐ 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		
<i>[Signature]</i>										
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		
28. DISPOSITION (Select One)										
☐ A To User		☐ D Evacuated		☐ B To Stock		☐ E Cannibalization		☐ C Salvaged		

Team 2.

Deployment Kit

NSN

#	Missing:	
10	Trigger Pull Adj. Screw	1005-01-260-2657
11	Brush, Cleaning Small	1005-00-494-6602
13	.050" Key, Socket Head Screw	5120-00-196-5401
14	1/16" Key, Socket Head Screw	5120-00-196-5394
15	5/64" Key, Socket head Screw	5120-00-224-2504
16	3/32" Key, Socket head screw	5120-00-242-7410
17	7/64" Key, Socket head screw	5120-00-889-8162
18	1/8" Key, Socket head screw	5120-00-240-5292
19	5/32" Key, Socket Head screw	5120-00-196-5392
24	Day Optic Sight Adj. Dial Dust Cover.	1005-01-260-2642
25	Day Optic Sight Ring Screws	1005-01-260-2650
26	Day optic Sight Base Screw Front	1005-01-260-2651
27	Day optic Sight Base Screw Rear.	1005-01-260-2652
28	Day Optic Sight Dust cover Front	1005-01-260-2643
29	Day optic Sight Dust cover Rear.	1005-01-260-2644
30	Brush chamber	1005-00-690-8441
31	Brush Bore	1005-00-556-4174
32	Oil bottle	510-00-889-3522
39	Day Optic Sight Sunshade.	1005-01-260-2660
40	Swabs Cleaning Small Arms.	1005-00-288-3565
41	cleaning Rod kit	N/A
42	Lens cleaning kit.	N/A.

Rifle components

Missing:

Rear sight

Front sight

Harris bipod

Remington
 MODEL 700™ M24

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

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

SERIAL NO.
 C6349026

ORDER NO.
5716

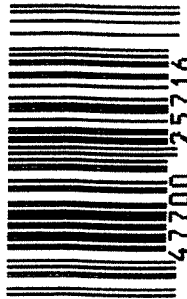
01

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



5716 C6349026

UPC



0 47700 25716 7

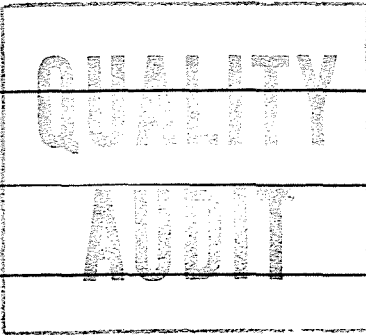
RC -15
replaced

M-24

INTERCHANGEABILITY

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349026

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	 1 12 90	1 12 90	RW
600	Proof	1 12 90	1 12 90	RW
607	Check Headspace	1 12 90	1 12 90	RW
610	Dis-assemble Gun	1 12 90	1 12 90	RW
612	Magnaflux Barrel Action	1-16-90	1-16-90	KCR
	Magnaflux Bolt	1-17-90	1-17-90	KCR
615	Rollmark Caliber		1/17/90	JS
617	Drill and Tap Sight Holes		1/19/90	FB
618	Polish Barrel RB		1/22/90	WB
620	Apply Coatings (Barrel Action)		1/28/90	JA
	Apply Coating (Bolt)		1/28/90	JA
625	Final Assembly		2/1/90	WB
	A) Clean inside of Bolt Assembly		1/24/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/24/90	RW
	C) Inspect Ejector Hole for Chamfer		1/24/90	RW
	D) Oil Firing Pin Ass'y		1/24/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		3/1/90	JS

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	3	3	3	1-31-90	JH
	G) Safety Off Force	4	4	4	1-31-90	JH
	H) Trigger Pull Test & Retainability				3/1/90	JH
	I) Firing Pin Indent	.021	.022	.022	1-31-90	JH
	J) Assemble Stock				2/28/90	RW
	K) Assemble Swivel Studs				3/15/90	WB
	L) Attach Front and Rear Sight Assemblies				2/28/90	RW
	M) Iron Sight Alignment				2/28/90	RW
	N) Detach Front & Rear Sights & place in numbered container				2/28/90	RW
	O) Attach Scope to Rifle				1/13/90	WB
	P) Detach & Attach Scope 20 Times				1/13/90	WB
640	Gallery Target & Test				3-2-90	A
	A) Time				"	A
	B) Malfunctions				"	A
	C) Pierced Primers				"	A
	D) Optical Clarity of Scope				"	A
645	Inspect for Live Ammo				3-2-90	A
655	Final Inspection					
	A) Headspace				15 MAR 90	JH
	B) Trigger Pull	234	233	237	15 MAR 90	JH
	C) Function				15 MAR 90	JH
660	Pack				20 MAR 90	JH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349026

DATE 3/Jan 80

TESTER MS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.28	2.18	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.74	2.40	2.00	2.33	
PULL #3	2.40	2.34	2.12	2.37	
PULL #4	2.34	2.50	2.17	2.35	
PULL #5	2.43	2.43	2.26	2.23	
TOTAL	12.47	11.95	10.73	11.62	
AVG.	2.494	2.39	2.146	2.324	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	2.92	2.99		
PULL #2	2.83	2.90		
PULL #3	2.64	2.89		
PULL #4	3.06	2.94		
PULL #5	2.93	2.83		
TOTAL	14.38	14.55		
AVG.	2.876	2.91		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	3.98		3.83
PULL #2	4.08	3.91		3.89
PULL #3	4.07	3.82		3.89
PULL #4	3.97	3.85		3.88
PULL #5	4.18	3.86		3.78
TOTAL	20.42	19.42		19.27
AVG.	4.084	3.884		3.854

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349026
2 Mar 1990

CENTROIDAL DISTANCES

0 TO 1	.174797
1 TO 2	.261174
1 TO 3	.265819
1 TO 4	.271901
1 TO 5	.378937



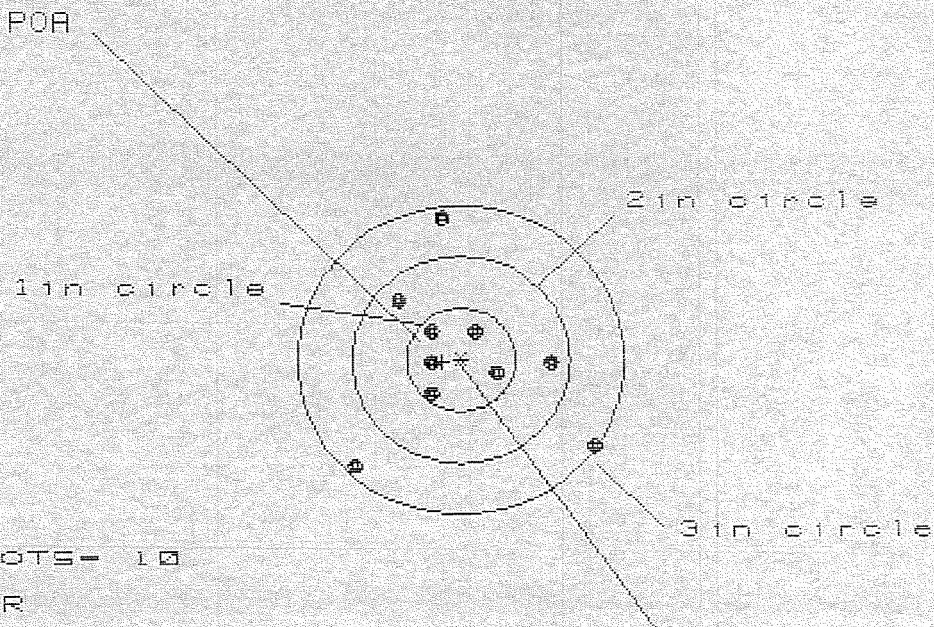
(----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0094
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0216
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0235567
THE AMR FOR THIS RIFLE IS: .9934

2 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06045026

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 5

2in = 7

3in = 10

HS= 2.182

VS= 2.441

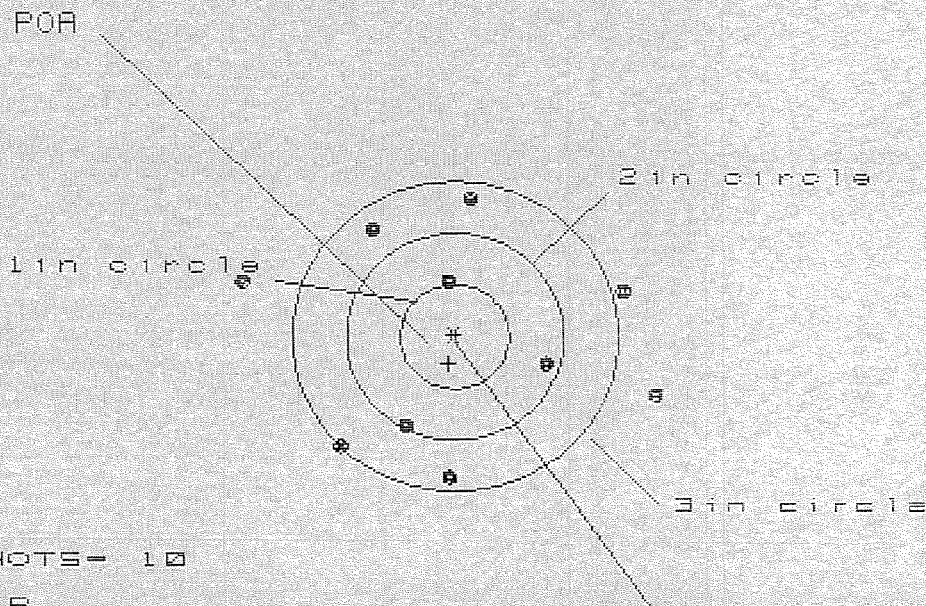
GS= 2.584

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.198	1.089	.833
MINIMUM X	:	-.984	-.670	-.534
MAXIMUM Y	:	1.376	1.258	1.144
MINIMUM Y	:	-1.065	-.912	-.598
CENTROID X	:	.173	.282	.146
CENTROID Y	:	.025	.143	.257
POA TO CENTROID in.	:	.175	.317	.296
MIN RADIUS	:	.272	.190	.188
MEAN RADIUS	:	.768	.689	.588
MAX RADIUS	:	1.450	1.420	1.149
HORIZONTAL SPREAD	:	2.182	1.759	1.367
VERTICAL SPREAD	:	2.441	2.170	1.742
EXTREME SPREAD	:	2.584	2.547	1.746
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

2 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349026

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 0

2in = 3

3in = 7

HS= 3.805

VS= 2.629

GS= 3.948

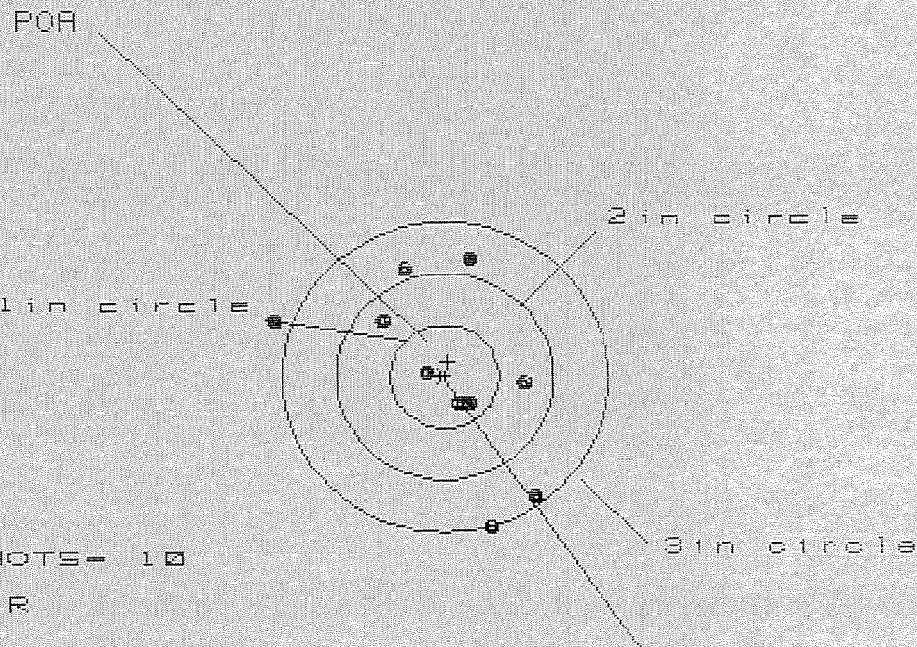
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.822	1.602	1.521
MINIMUM X	:	-1.983	-1.268	-1.068
MAXIMUM Y	:	1.312	1.373	1.316
MINIMUM Y	:	-1.317	-1.256	-1.313
CENTROID X	:	.057	.277	.077
CENTROID Y	:	.259	.198	.255
POA TO CENTROID in.	:	.265	.341	.266
MIN RADIUS	:	.514	.622	.519
MEAN RADIUS	:	1.331	1.238	1.170
MAX RADIUS	:	2.056	1.664	1.588
HORIZONTAL SPREAD	:	3.805	2.870	2.589
VERTICAL SPREAD	:	2.629	2.629	2.629
EXTREME SPREAD	:	3.948	2.998	2.981
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

2 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349026

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 2.380

VS= 2.642

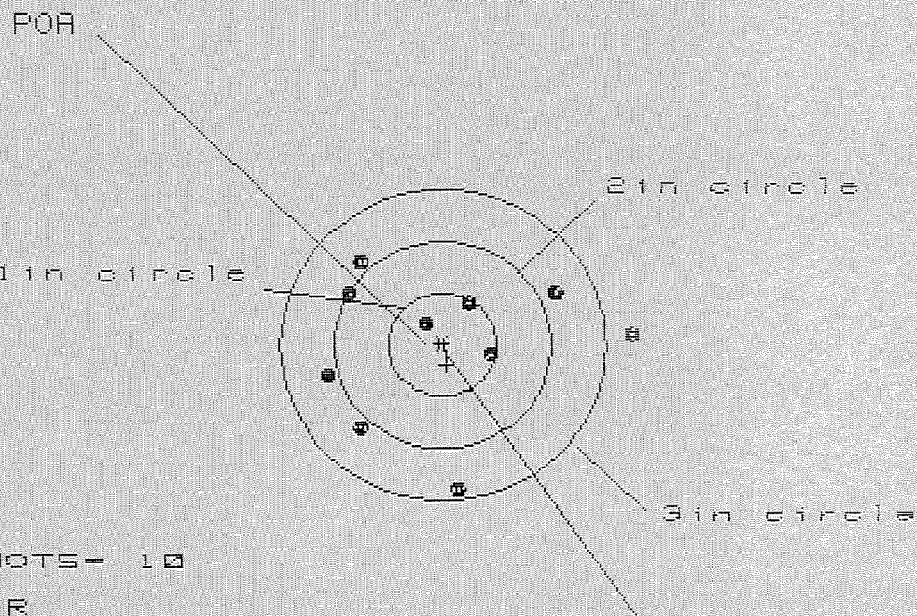
GS= 2.949

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.854
MINIMUM X	-1.526
MAXIMUM Y	1.154
MINIMUM Y	-1.488
CENTROID X	-.033
CENTROID Y	-.143
POA TO CENTROID in.	.146
MIN RADIUS	.159
MEAN RADIUS	.925
MAX RADIUS	1.628
HORIZONTAL SPREAD	2.380
VERTICAL SPREAD	2.642
EXTREME SPREAD	2.949
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

2 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349026

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 4

3in = 9

HS= 2.773

VS= 2.196

GS= 2.809

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.692	1.186	1.228
MINIMUM X	:	-1.081	-.893	-.851
MAXIMUM Y	:	.780	.795	.620
MINIMUM Y	:	-1.416	-1.401	-.957
CENTROID X	:	-.040	-.228	-.270
CENTROID Y	:	.194	.179	.354
POA TO CENTROID in.	:	.198	.290	.445
MIN RADIUS	:	.252	.233	.108
MEAN RADIUS	:	.963	.872	.765
MAX RADIUS	:	1.698	1.440	1.288
HORIZONTAL SPREAD	:	2.773	2.079	2.079
VERTICAL SPREAD	:	2.196	2.196	1.577
EXTREME SPREAD	:	2.809	2.362	2.250
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

2 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CS349026

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 5

3 in = 7

HS= 2.493

VS= 2.840

GS= 3.322

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.301	1.181	1.031
MINIMUM X	-1.192	-1.312	-1.462
MAXIMUM Y	1.436	.983	.828
MINIMUM Y	-1.404	-1.245	-.883
CENTROID X	-.110	.010	.160
CENTROID Y	-.227	-.386	-.231
POA TO CENTROID in.	.252	.386	.281
MIN RADIUS	.107	.175	.133
MEAN RADIUS	.980	.883	.724
MAX RADIUS	1.793	1.729	1.680
HORIZONTAL SPREAD	2.493	2.493	2.493
VERTICAL SPREAD	2.840	2.228	1.711
EXTREME SPREAD	3.322	3.024	3.024
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349026
19 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.17557
1 TO	2	.414849
1 TO	3	.16261
1 TO	4	.394799
1 TO	5	.480405

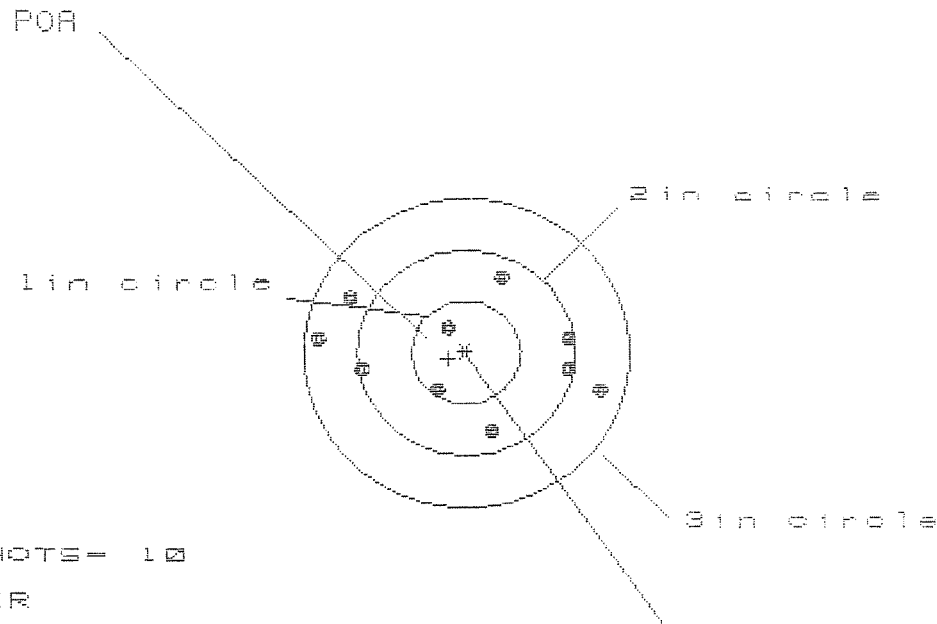
$\pm \frac{5}{32}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3934
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1678
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .427692
THE AMR FOR THIS RIFLE IS: .8462

17 Mar 1999

FILE:/PATTERNING/CENTERFIRE_PATT/C6349026.1

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.654

VS= 1.475

GS= 2.699

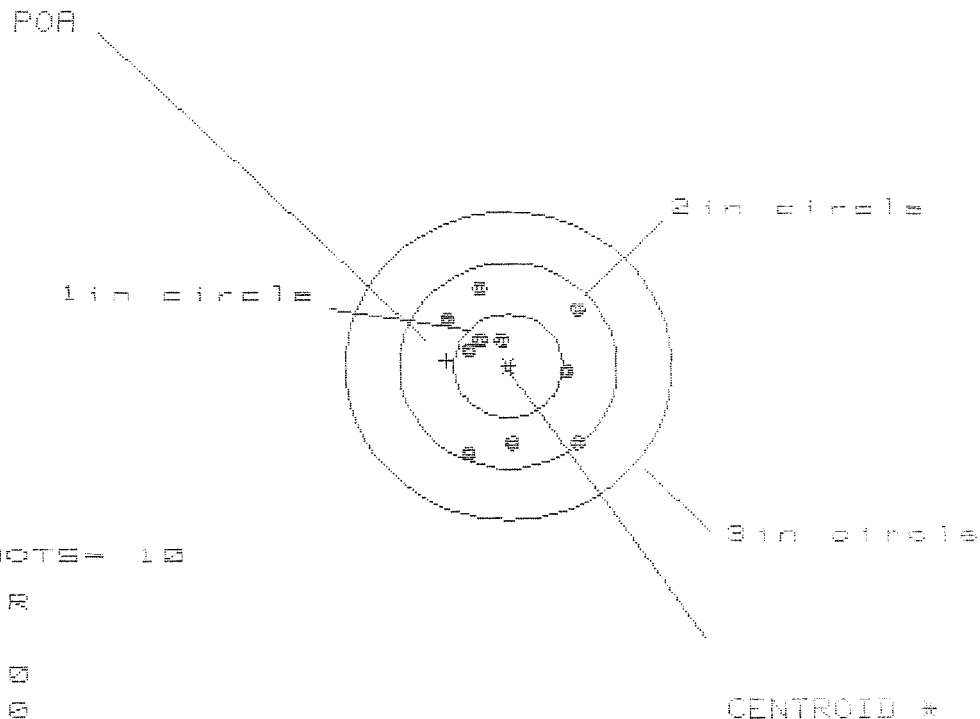
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.283	1.131	.970
MINIMUM X	:	-1.371	-1.242	-1.101
MAXIMUM Y	:	.734	.748	.704
MINIMUM Y	:	-.741	-.727	-.771
CENTROID X	:	.165	.317	.176
CENTROID Y	:	.060	.046	.090
POR TO CENTROID in.	:	.175	.320	.197
MIN RADIUS	:	.280	.391	.261
MEAN RADIUS	:	.914	.858	.903
MAX RADIUS	:	1.376	1.345	1.197
HORIZONTAL SPREAD	:	2.654	2.373	2.071
VERTICAL SPREAD	:	1.475	1.475	1.475
EXTREME SPREAD	:	2.699	2.527	2.169
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06345020.1

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 10

3 in = 10

HS= 1.235

VS= 1.598

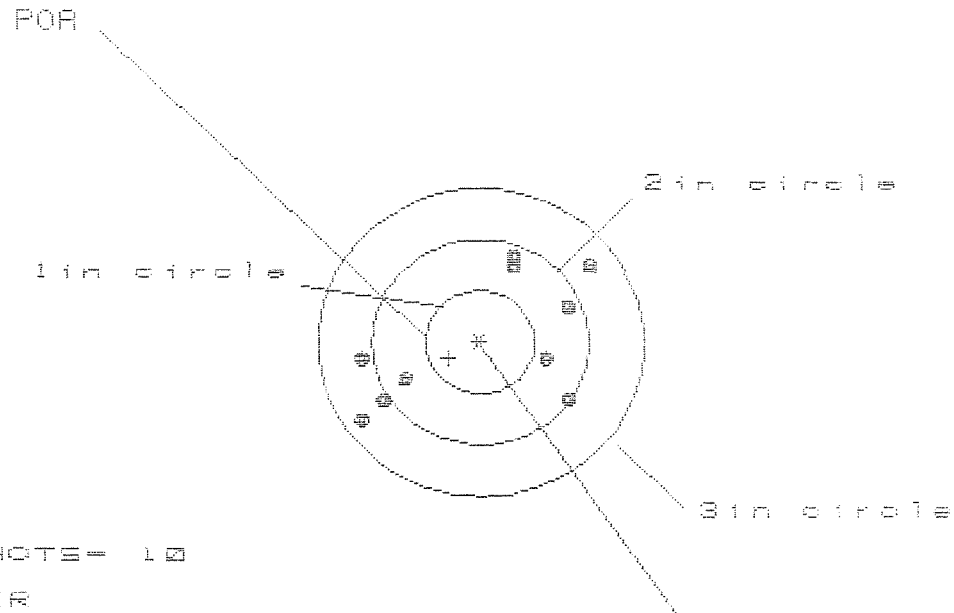
GS= 1.753

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.631	.697	.663
MINIMUM X	:	-.604	-.534	-.568
MAXIMUM Y	:	.776	.692	.579
MINIMUM Y	:	-.822	-.906	-.945
CENTROID X	:	.565	.495	.529
CENTROID Y	:	-.050	.034	.147
POA TO CENTROID in.	:	.567	.496	.549
MIN RADIUS	:	.270	.193	.075
MEAN RADIUS	:	.656	.593	.525
MAX RADIUS	:	.980	.946	.946
HORIZONTAL SPREAD	:	1.235	1.231	1.231
VERTICAL SPREAD	:	1.598	1.598	1.524
EXTREME SPREAD	:	1.753	1.640	1.543
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08349028.1

CENTERFIRE PATTERNS # 3



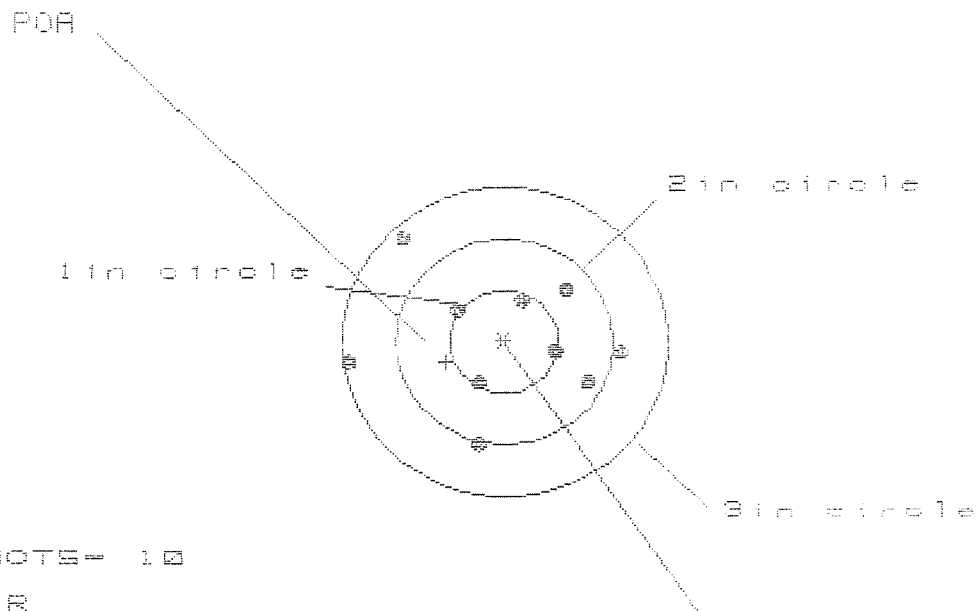
OF SHOTS= 10
 # IN CIR
 1 in = 0
 2 in = 6
 3 in = 10
 HS= 2.117
 VS= 1.562
 GS= 2.573

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.001	.877	.803
MINIMUM X	-1.116	-1.214	-1.105
MAXIMUM Y	.803	.719	.796
MINIMUM Y	-.759	-.657	-.580
CENTROID X	.294	.418	.309
CENTROID Y	.159	.243	.166
POR TO CENTROID in.	.335	.484	.351
MIN RADIUS	.589	.514	.577
MEAN RADIUS	.953	.884	.868
MAX RADIUS	1.350	1.243	1.120
HORIZONTAL SPREAD	2.117	2.091	1.913
VERTICAL SPREAD	1.562	1.376	1.376
EXTREME SPREAD	2.573	2.297	1.949
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

17 Mar 1999

FILE:/PATTERNING/CENTERFIRE_PATT/06345886.1

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 2.488

VS= 1.976

CS= 2.491

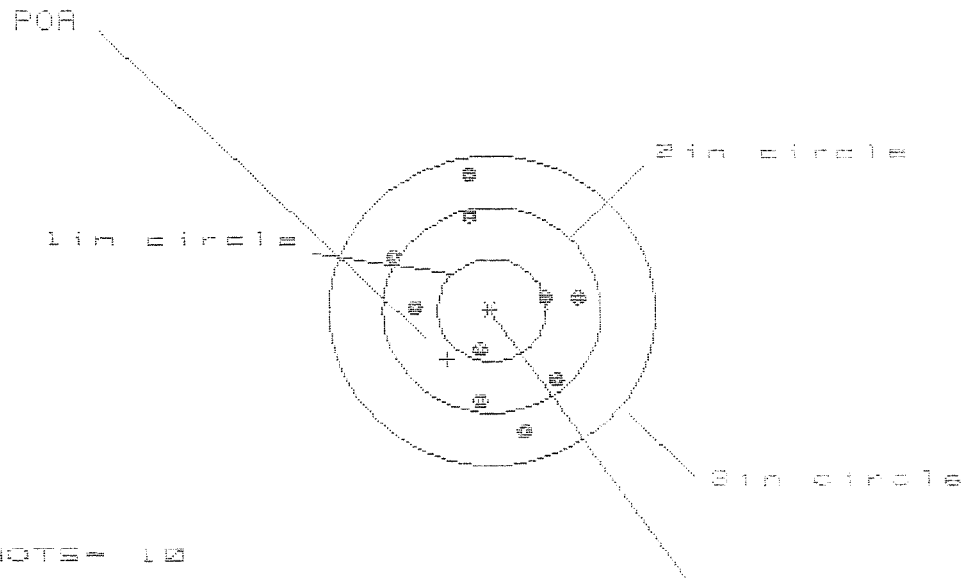
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.066	.988	.777
MINIMUM X	:	-1.423	-1.045	-.691
MAXIMUM Y	:	.988	.958	.594
MINIMUM Y	:	-.996	-1.018	-.899
CENTROID X	:	.536	.694	.825
CENTROID Y	:	.195	.217	.898
POR TO CENTROID in.	:	.578	.727	.831
MIN RADIUS	:	.451	.355	.196
MEAN RADIUS	:	.843	.752	.646
MAX RADIUS	:	1.437	1.418	1.031
HORIZONTAL SPREAD	:	2.489	1.953	1.468
VERTICAL SPREAD	:	1.976	1.976	1.493
EXTREME SPREAD	:	2.491	2.236	1.696
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Mar 1988

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

IN = 1.000

VS = 0.455

GS = 0.500

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.767
MINIMUM X	-.862
MAXIMUM Y	1.286
MINIMUM Y	-1.169
CENTROID X	.407
CENTROID Y	.475
POA TO CENTROID in.	.625
MIN RADIUS	.366
MEAN RADIUS	.865
MAX RADIUS	1.307
HORIZONTAL SPREAD	1.629
VERTICAL SPREAD	2.455
EXTREME SPREAD	2.508
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	10