

C6611607

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00095952** Serial: C6611607 Model: M24 SWS Center Fire Caliber: 7.32 NATO Repairman: Status: Closed 4/18/2005 9:23:45 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: 705TH MILITARY POLICE BATT 705TH MILITARY POLICE BATT

Address 1: V CARTET / T TRACY V CARTET / T TRACY

Address 2: 801 BLUNTVILLE PO Box: 801 BLUNTVILLE PO Box:

City: FORT LEAVENWORTH FORT LEAVENWORTH

State: KS Zip Code: 66027 Country: US State: KS Zip Code: 66027 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: 913 758 5842

Fax:

Email: vince.carter@leavenworth.army.mil

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A009	Soft Case	1
A017	Scope Base	1
A026	Scope(night)	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search Refresh Close

start 4/18/2005 9:42 AM CAPS NUM INS SCRL

Arms Services R...

Serial Number: **C6611607**

Model: **M24 SWS**



RE00095952

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611607.___0
FILE DATE AND TIME: 05/10/2005 07:12

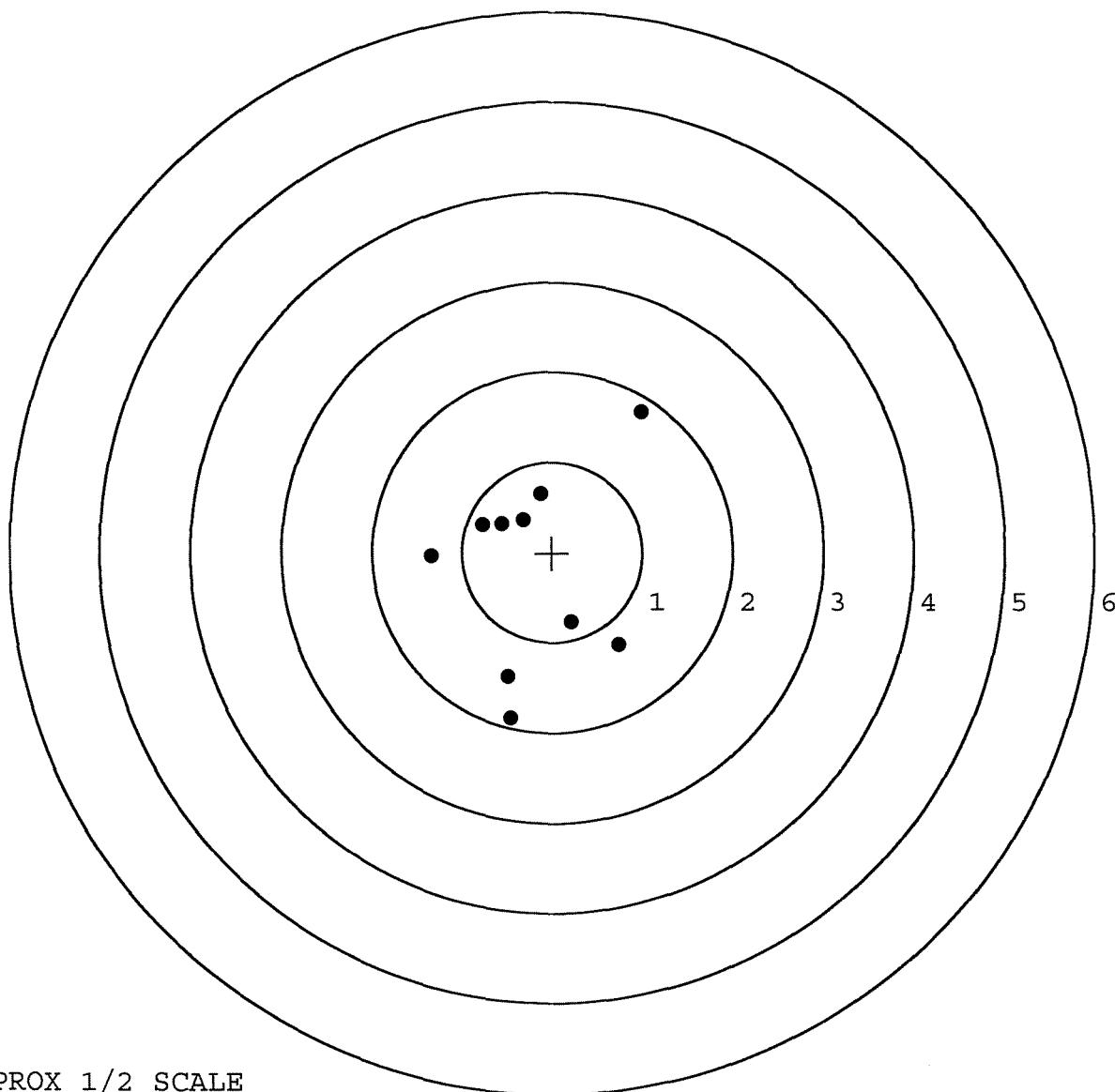
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.037
The Average Y Centroid of the Five Target Set:	0.015
The Average Point of Impact of the Five Target Set:	0.039
The Average Mean Radius of the Five Target Set:	0.985
The Distance from POA to Centroid Target #1:	0.284
The Distance from Centroid Target #2 to Centroid Target #1:	0.081
The Distance from Centroid Target #3 to Centroid Target #1:	0.525
The Distance from Centroid Target #4 to Centroid Target #1:	0.502
The Distance from Centroid Target #5 to Centroid Target #1:	0.554

SERIAL NUMBER: C6611607. 0
TARGET NUMBER: 1
FILE DATE: 05/10/2005
FILE TIME: 07:12

X CENTROID: -0.214
Y CENTROID: -0.186
POA TO CENTROID: 0.284
HORZ SPREAD: 2.338
VERT SPREAD: 3.394
GROUP SPREAD: 3.691
MIN RADIUS: 0.557
MAX RADIUS: 2.117
MEAN RADIUS: 1.093
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.735	-1.028
2:	0.219	-0.780
3:	-0.459	-1.841
4:	-0.488	-1.382
5:	0.992	1.553
6:	-0.133	0.652
7:	-0.321	0.360
8:	-0.566	0.326
9:	-0.777	0.313
10:	-1.346	-0.037



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611607. 0

TARGET NUMBER: 2

FILE DATE: 05/10/2005

FILE TIME: 07:12

X CENTROID: -0.134

Y CENTROID: -0.199

POA TO CENTROID: 0.240

HORZ SPREAD: 1.803

VERT SPREAD: 2.646

GROUP SPREAD: 2.717

MIN RADIUS: 0.305

MAX RADIUS: 1.706

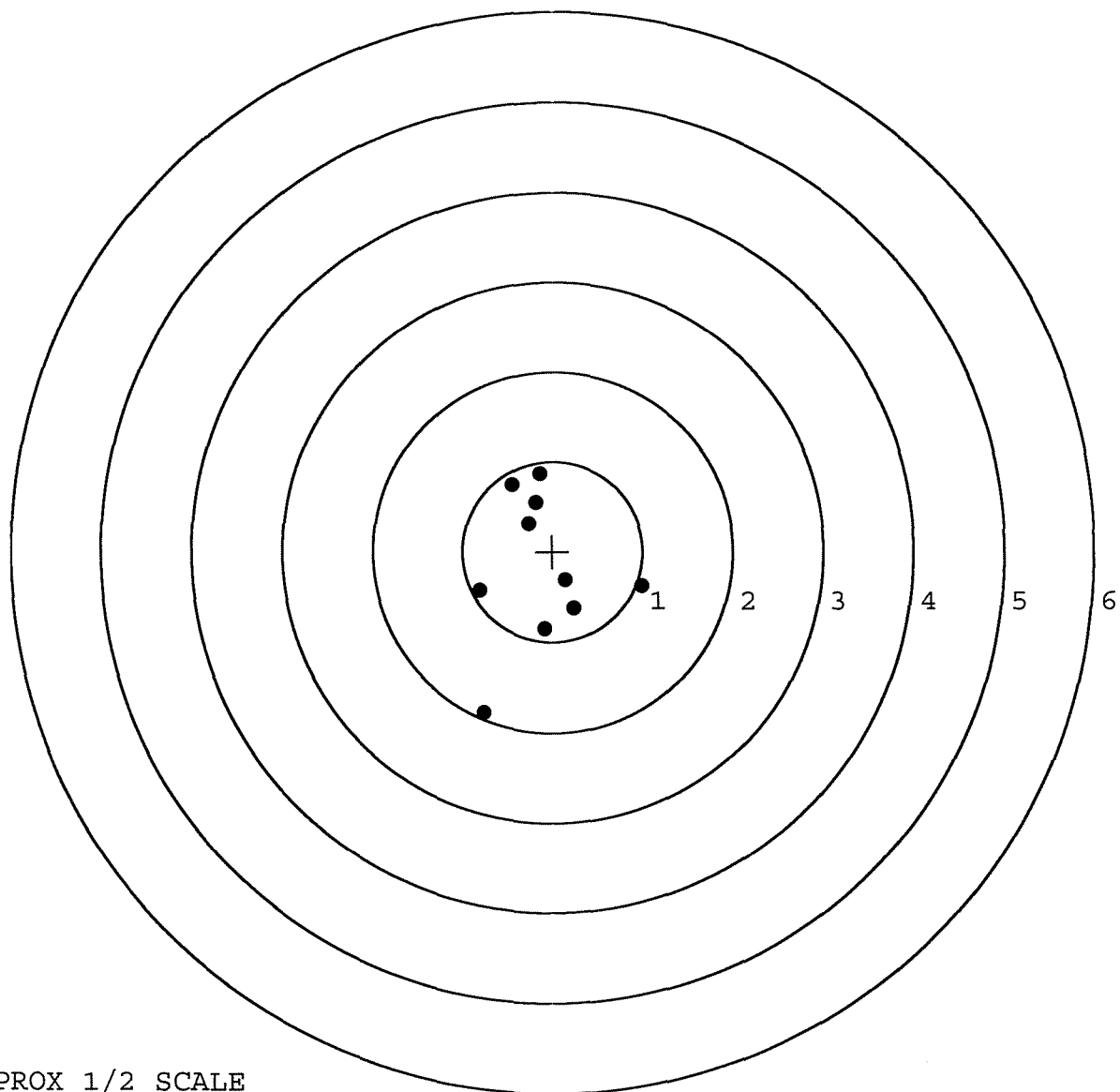
MEAN RADIUS: 0.843

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.993	-0.390
2:	-0.762	-1.785
3:	-0.810	-0.437
4:	-0.093	-0.866
5:	0.243	-0.637
6:	0.146	-0.320
7:	-0.271	0.307
8:	-0.452	0.735
9:	-0.143	0.861
10:	-0.192	0.541

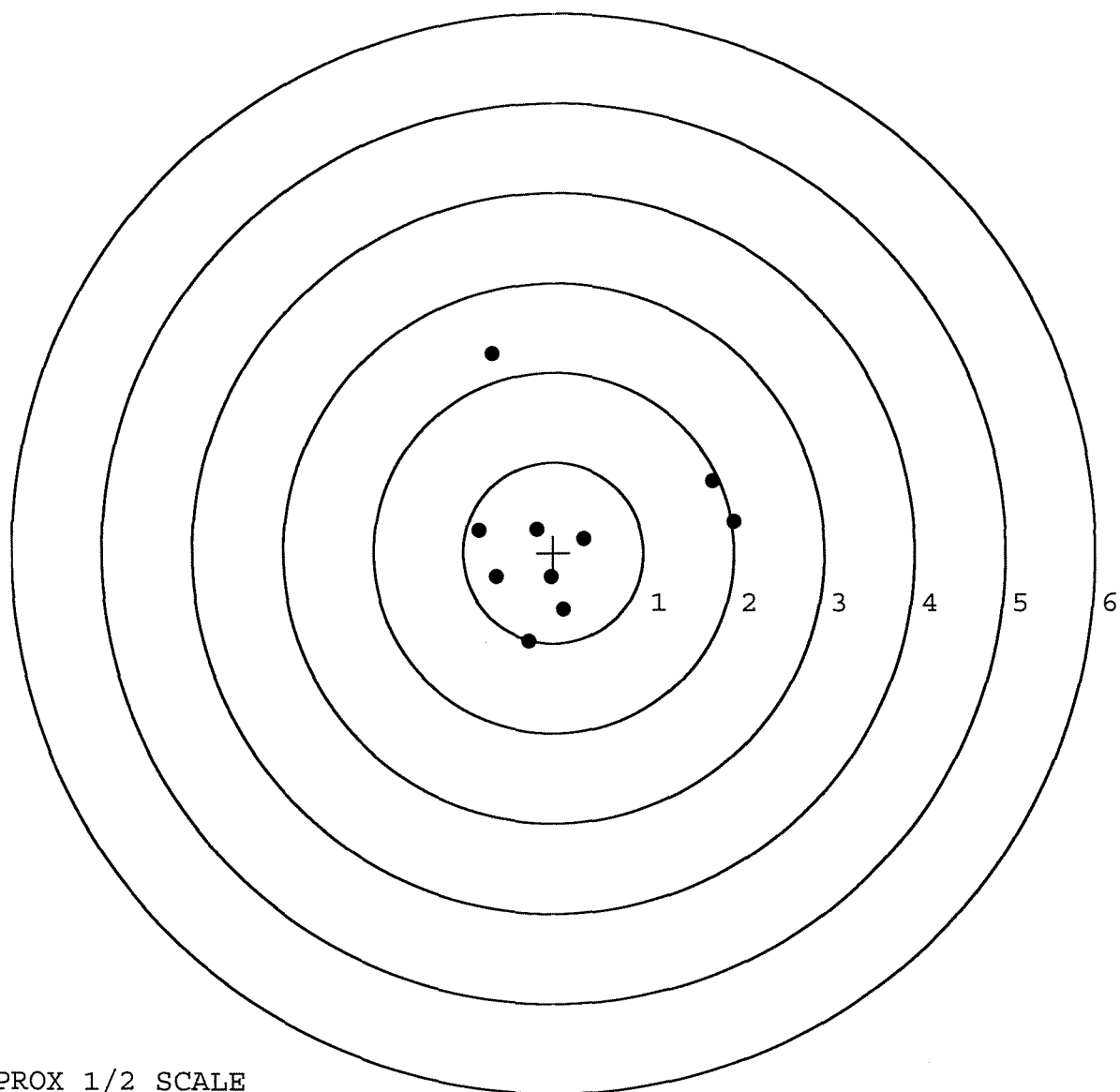


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611607. 0
TARGET NUMBER: 3
FILE DATE: 05/10/2005
FILE TIME: 07:12

X CENTROID: 0.159
Y CENTROID: 0.182
POA TO CENTROID: 0.242
HORZ SPREAD: 2.820
VERT SPREAD: 3.191
GROUP SPREAD: 3.269
MIN RADIUS: 0.190
MAX RADIUS: 2.193
MEAN RADIUS: 1.075
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	1.996	0.337
2:	1.766	0.792
3:	0.346	0.152
4:	0.115	-0.632
5:	-0.028	-0.273
6:	-0.186	0.257
7:	-0.277	-0.985
8:	-0.634	-0.272
9:	-0.824	0.241
10:	-0.686	2.206

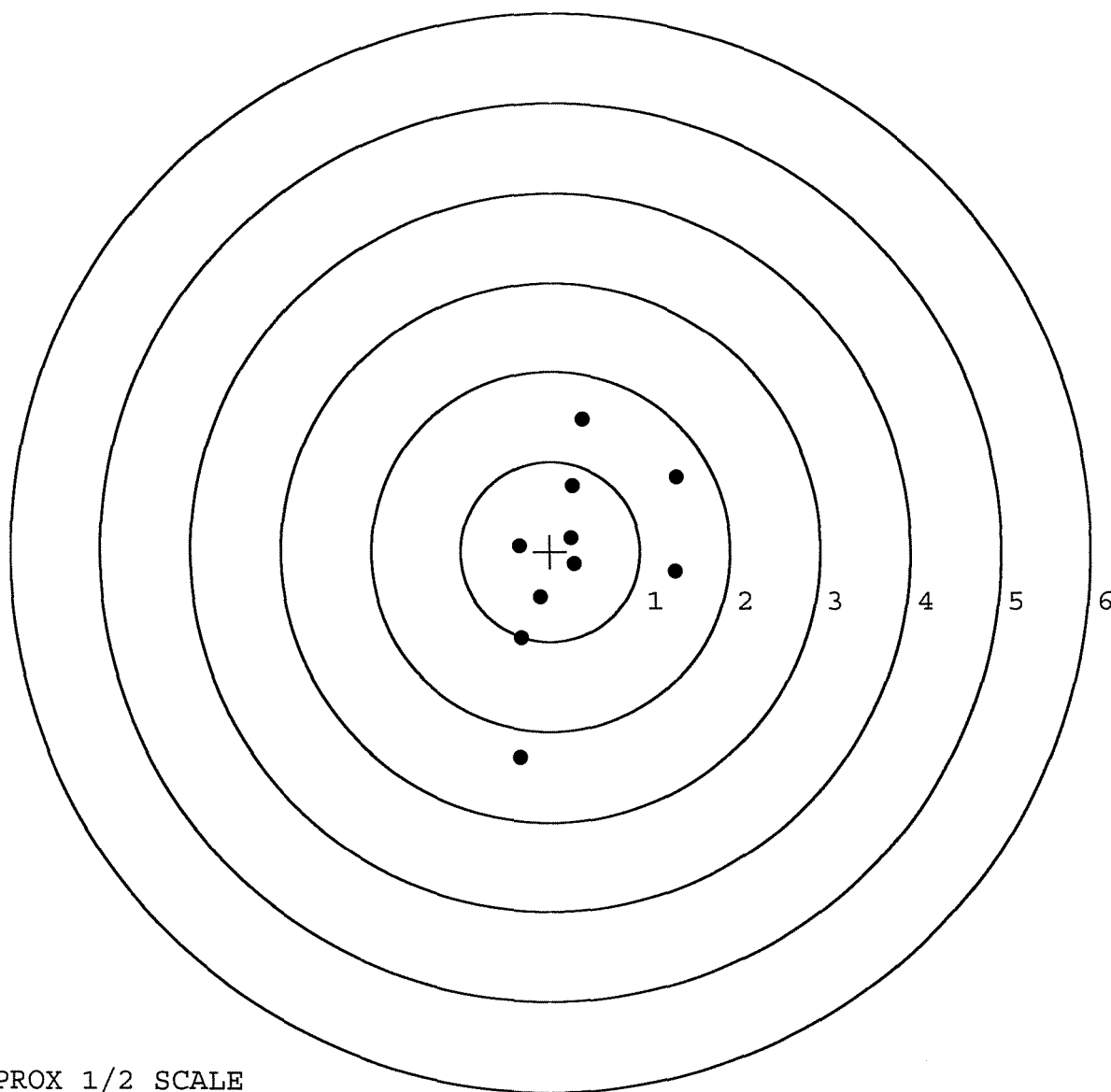


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611607. 0
TARGET NUMBER: 4
FILE DATE: 05/10/2005
FILE TIME: 07:12

X CENTROID: 0.278
Y CENTROID: -0.089
POA TO CENTROID: 0.292
HORZ SPREAD: 1.747
VERT SPREAD: 3.753
GROUP SPREAD: 3.816
MIN RADIUS: 0.052
MAX RADIUS: 2.286
MEAN RADIUS: 0.980
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.389	-0.221
2:	1.401	0.827
3:	0.358	1.461
4:	0.247	0.730
5:	0.239	0.153
6:	0.269	-0.140
7:	-0.346	0.065
8:	-0.119	-0.511
9:	-0.323	-0.961
10:	-0.333	-2.292

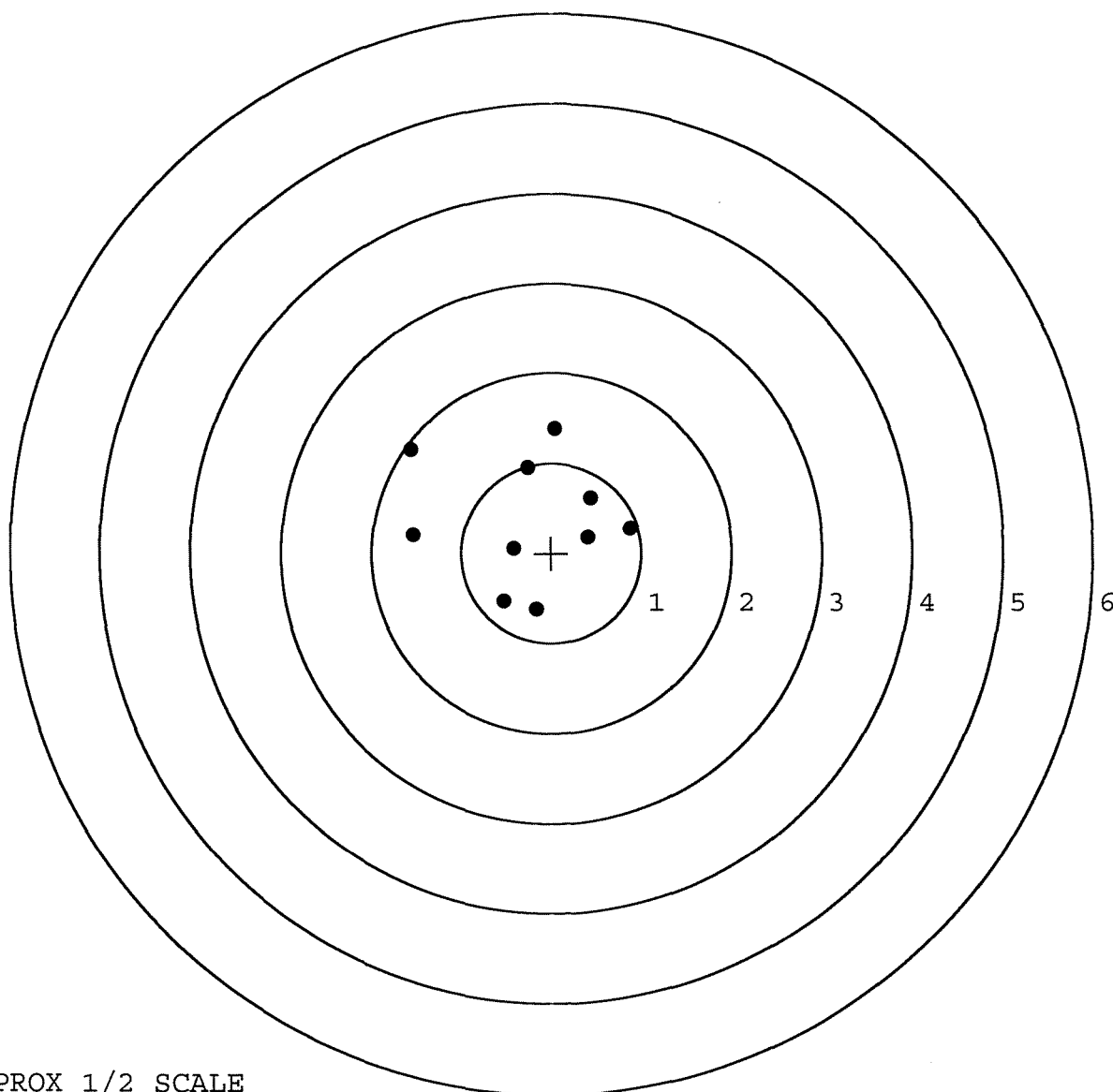


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611607. 0
TARGET NUMBER: 5
FILE DATE: 05/10/2005
FILE TIME: 07:12

X CENTROID: -0.272
Y CENTROID: 0.365
POA TO CENTROID: 0.455
HORZ SPREAD: 2.442
VERT SPREAD: 2.005
GROUP SPREAD: 2.594
MIN RADIUS: 0.342
MAX RADIUS: 1.514
MEAN RADIUS: 0.932
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.876	0.276
2:	0.407	0.181
3:	0.437	0.617
4:	-0.170	-0.631
5:	-0.531	-0.534
6:	-0.415	0.054
7:	-0.263	0.950
8:	0.046	1.374
9:	-1.540	0.210
10:	-1.566	1.150



TARGET APPROX 1/2 SCALE

AVERAGE CYCLE FORCE BETWEEN
 INITIAL & CYCLE TESTS
 2.50 LBS (plus or minus 0.50 LBS)
 3.00 LBS (plus or minus 0.75 LBS)
 4.00 LBS (plus or minus 1.00 LBS)

DATE 4-15-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.43	2.46		2.58	
PULL #2	2.31	2.60		2.52	
PULL #3	2.38	2.57		2.33	
PULL #4	2.47	2.45		2.49	
PULL #5	2.35	2.60		2.52	
TOTAL	11.94	12.68		12.44	
AVERAGE	2.38	2.53		2.48	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.09		
PULL #2	3.42	3.24		
PULL #3	3.40	3.23		
PULL #4	3.38	3.32		
PULL #5	3.36	3.27		
TOTAL	16.96	16.15		
AVERAGE	3.39	3.23		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.40	4.18		4.43
PULL #2	4.25	4.03		4.15
PULL #3	4.11	4.08		4.12
PULL #4	4.23	4.12		4.18
PULL #5	4.19	4.11		4.22
TOTAL	21.18	20.52		21.10
AVERAGE	4.23	4.10		4.22

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

R & E NUMBER	95952		
SERIAL NUMBER	C6611607		
LOG-IN DATE	4-18-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-18-05	RTZ
560 A	RE-BARREL		
B	DRILL AND TAP	4-20-05	TRW
575	ASSEMBLE		
600	PROOF	4-19-05	AC
605	CHECK HEADSPACE	4-19-05	AC
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX	OPERATOR BS	
615	ROLLMARK CALIBER	4-21-05	CW
618	ROTO-BLAST	4-21-05	LB
620	APPLY COATINGS	5-6-05	ur
625 A	FINAL ASSEMBLY	5-9-05	RTZ
B	TRIGGER PULL TEST	5-10-05	TRW
C	SAFETY "ON" FORCE	5-10-05	AC
D	SAFETY "OFF" FORCE	5-10-05	AC
E	FIRING PIN INDENT	5-10-05	AC
640	TARGET	5-10-05	TRW
655	FINAL INSPECT	5-10-05	AC
660	PACK	5-10-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

1a. UIC CUSTOMER W21B01		1b. CUSTOMER UNIT NAME 705 MP BN		1c. PHONE NO 758-5842		3a. WORK ORDER NUMBER (WOM)		3b. SHOP		3c. PHONE NO	
2a. SAMS-2 UIC/SAMS-I/TDA			2b. UTILIZATION CODE		2c. MCSR	4a. UIC SUPPORT UNIT			4b. SUPPORT UNIT NAME		
SECTION III - EQUIPMENT DATA											
5. TYPE MNT REQ CODE		6. ID		7. NSN 1005012402136		15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751					
8. MODEL M24						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		
9. NOUN M24 Sniper rifle, 7.62mm									H R		
10a. ORG WON/DOC NO				10b. EIC							
11. SERIAL NUMBER 6661607			12. QTY 1		13. PD	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)						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) Weapon fails to function properly; rust between barrel & stock											
25. REMARKS POC @ unit is Vince Carter 758-5842/3 or Doug Krause											
26. TECHNICAL REFERENCES Rt. Rm. L Siebenmorgen 9/3 684-9501 DSU: 552											

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 4-5-05		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

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSB Tools Reports Table Maintenance System Maintenance Help

Repair Number: **RE00050963** Serial: C6611607 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 8/20/02 7:22:16 AM

Verify Repair

Address Information

Customer Received From Return To Received From

Name: JIM BENEDIK JIM BENEDIK

Address 1: DOIM MAIL DIST DOIM MAIL DIST

Address 2: 881 MCLELLAN AVE PO Box: 881 MCLELLAN AVE PO Box:

City: FORT LEAVENWORTH FORT LEAVENWORTH

State: KS Zip Code: 66027 Country: US State: KS Zip Code: 66027 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: 913-684-7176

Fax:

Email:

Comments:

Received Condition

Good

Condition Notes:

CSB Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	1
A026	Scope	1
A045	Bi Pod	1
X	FRT & REAR SGT BA	2
XX	SCOPE CASE	1
XXX	DEPLOYMENT CASE	1

Repair Search Refresh Close

naledi 8/20/02 8:29 AM CAPS NUM INS SCPL

Start Inbox - Microsoft Outlook Calendar - Microsoft Outlook Arms Services Repair 8:29 AM

Serial Number: **C6611607**

Model: **700**



RE00050963

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

R & E NUMBER			
SERIAL NUMBER	C6611607		
LOG-IN DATE	8/20/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN		
560 A	RE-BARREL		
B	DRILL AND TAP		
575	ASSEMBLE NEW PART	8/20/02	RL
600	PROOF	8-20-02	AC
605	CHECK HEADSPACE		
610	DIS-ASSEMBLE GUN		
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 & Test	8-20-02	AC
655	FINAL INSPECT	8/20/02	RL
660	PACK	8/20/02	DA
		SHIP DATE	
	QAR INSPECTION DATE		

Remington

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

MODEL 700™ H24**SERIAL NO.****C6611607****ORDER NO.****5716**

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

46



5716 C6611607

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611607

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/24/91	KL
600	Proof		3/24/91	KL
607	Check Headspace		3/24/91	KL
610	Dis-assemble Gun		3/24/91	KL
612	Magnaflux Barrel Action	APR 2 1991		KR
	Magnaflux Bolt	APR 2 1991		CR
615	Rollmark Caliber	APR 2 1991		GS
617	Drill and Tap Sight Holes	APR 5 1991		LB
618	Polish Barrel	APR 5 1991		WB
620	Apply Coatings (Barrel Action)		4/10/91	KL
	Apply Coating (Bolt)			KL
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	KS
	C) Inspect Ejector Hole for Chamfer		4/10/91	KS
	D) Oil Firing Pin Ass'y		4/10/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		4/15/91	KL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			4/15/91	JK
	G) Safety Off Force	3	3	3			4/15/91	JK
	H) Trigger Pull Test & Retainability						4/15/91	JK
	I) Firing Pin Indent	.0215	.021	.021			4/15/91	JK
	J) Assemble Stock						4/18/91	KS
	K) Assemble Swivel Studs						4-22-91	D/H
	L) Attach Front and Rear Sight Assemblies						4/18/91	KS
	M) Iron Sight Alignment						4/18/91	KS
	N) Detach Front & Rear Sights & place in numbered container						4/18/91	KS
	O) Attach Scope to Rifle						4/18/91	KS
	P) Detach & Attach Scope 20 Times						4/18/91	KS
640	Gallery Target & Test						4/19/91	KJ
	A) Time							KJ
	B) Malfunctions							KJ
	C) Pierced Primers							KJ
	D) Optical Clarity of Scope							KJ
645	Inspect for Live Ammo						4/19/91	KJ
655	Final Inspection							
	A) Headspace						4-22-91	D/H
	B) Trigger Pull	2.54	2.48	2.60	2.59	2.42	4/22/91	JK
	C) Function						4-22-91	D/H
660	Pack						6-18-91	VF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6611607

DATE 4/15/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.39	2.27	2.54	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.45	2.38	2.48	
PULL #3	2.41	2.35	2.42	2.60	
PULL #4	2.30	2.37	2.45	2.59	
PULL #5	2.38	2.27	2.33	2.42	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.59	3.49		
PULL #2	3.40	3.46		
PULL #3	3.36	3.41		
PULL #4	3.42	3.40		
PULL #5	3.19	3.48		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.40	4.41		4.46
PULL #2	4.44	4.41		4.42
PULL #3	4.43	4.43		4.48
PULL #4	4.46	4.42		4.36
PULL #5	4.42	4.49		4.44
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611607
19 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.293027
1 TO	2	.251794
1 TO	3	.516887
1 TO	4	.286024
1 TO	5	.568347

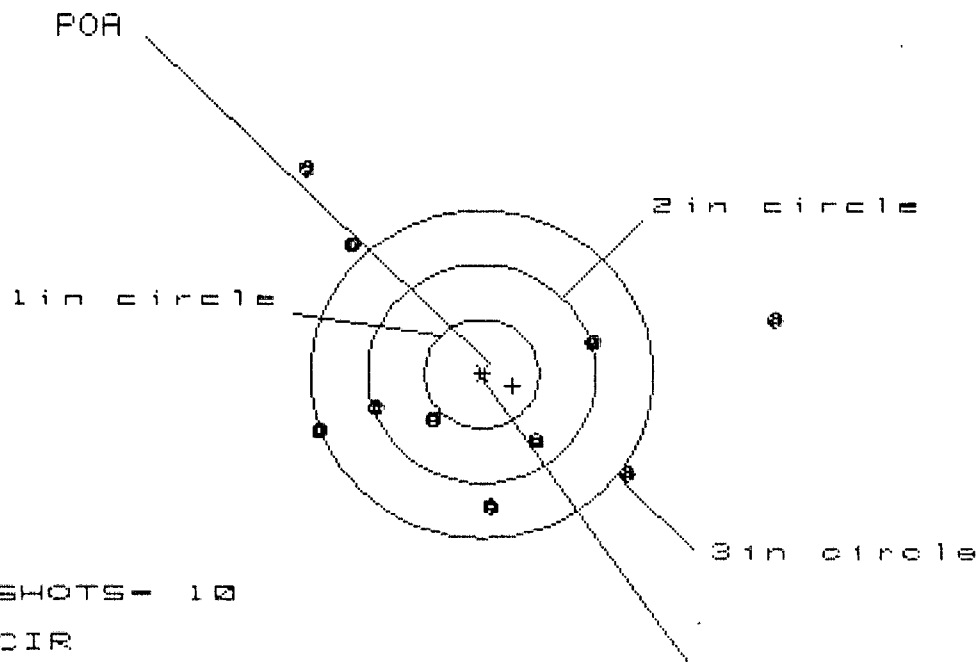
143 <----POA
5

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0748
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1046
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .128593
THE AMR FOR THIS RIFLE IS: 1.147

19 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611687

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 4

3 in = 6

HS = 4.0004

VS = 3.120

GS = 4.326

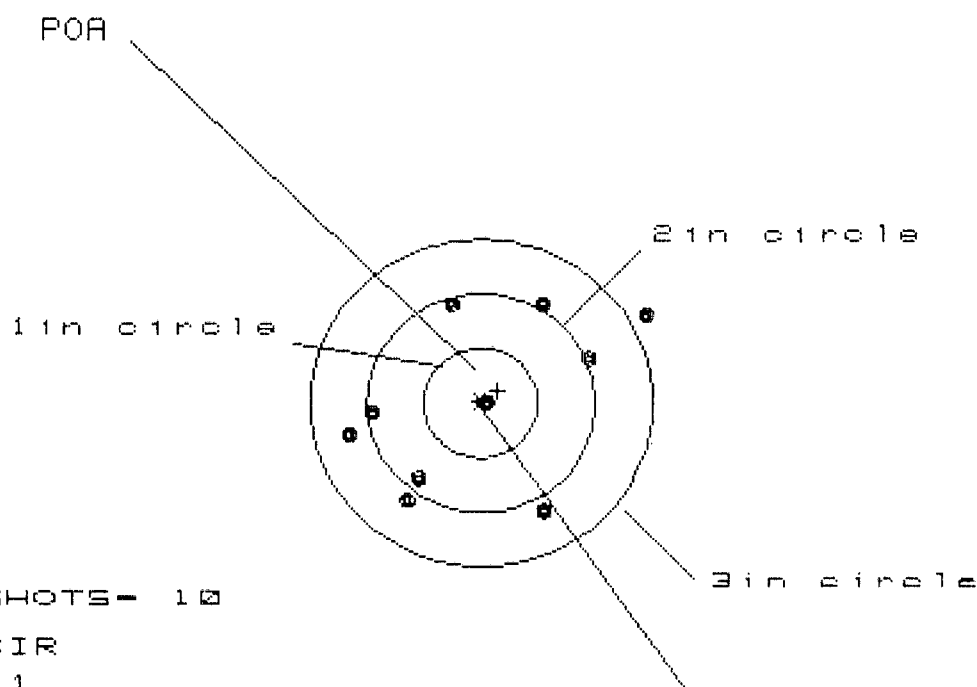
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.554	1.542	1.386
MINIMUM X	:	-1.530	-1.246	-1.249
MAXIMUM Y	:	1.939	1.996	1.539
MINIMUM Y	:	-1.189	-1.132	-.882
CENTROID X	:	-.272	-.556	-.400
CENTROID Y	:	.109	.052	-.198
POA TO CENTROID in.	:	.293	.559	.447
MIN RADIUS	:	.596	.385	.320
MEAN RADIUS	:	1.428	1.256	1.064
MAX RADIUS	:	2.605	2.353	1.830
HORIZONTAL SPREAD	:	4.084	2.788	2.636
VERTICAL SPREAD	:	3.128	3.128	2.421
EXTREME SPREAD	:	4.326	3.987	3.200
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

19 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611687

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.527

VS= 1.865

GS= 2.756

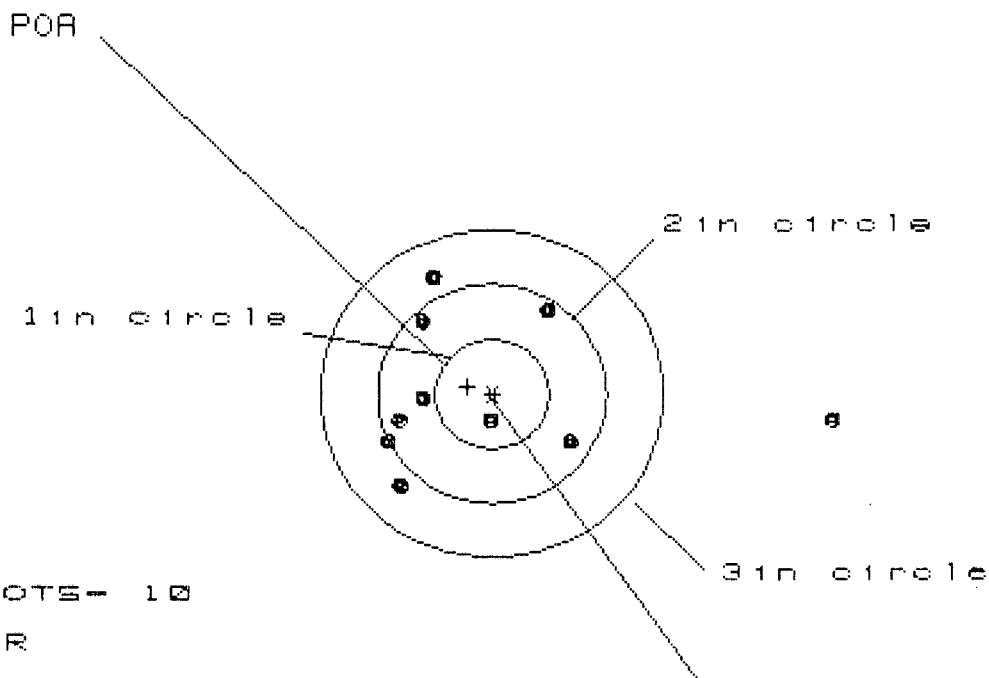
CENTROID #

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.405	1.100	.980
MINIMUM X	:	-1.122	-.966	-.887
MAXIMUM Y	:	.912	1.003	.978
MINIMUM Y	:	-.953	-.862	-.887
CENTROID X	:	-.146	-.302	-.182
CENTROID Y	:	-.109	-.200	-.175
POA TO CENTROID in.	:	.183	.362	.252
MIN RADIUS	:	.024	.201	.088
MEAN RADIUS	:	.983	.905	.885
MAX RADIUS	:	1.623	1.213	1.128
HORIZONTAL SPREAD	:	2.527	2.066	1.867
VERTICAL SPREAD	:	1.865	1.865	1.865
EXTREME SPREAD	:	2.756	2.208	2.208
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		

19 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611687

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 3.830

VS= 1.819

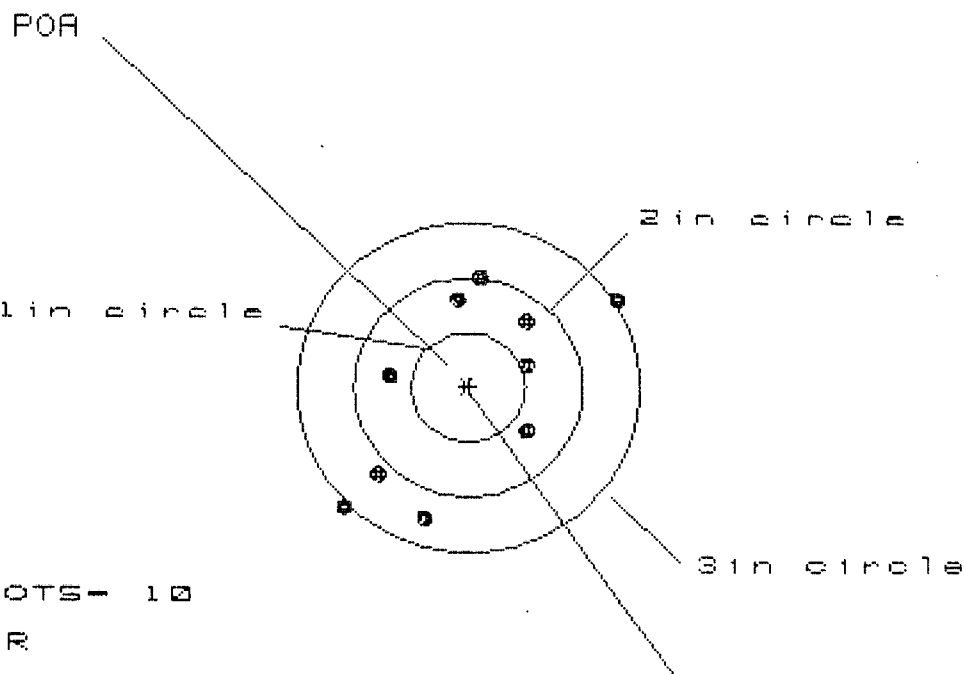
GS= 3.836

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.944	1.044	1.022
MINIMUM X	:	-.886	-.559	-.581
MAXIMUM Y	:	1.025	.997	.886
MINIMUM Y	:	-.794	-.822	-.698
CENTROID X	:	.214	-.113	-.091
CENTROID Y	:	-.067	-.039	-.163
POA TO CENTROID in.	:	.224	.120	.187
MIN RADIUS	:	.216	.250	.287
MEAN RADIUS	:	1.053	.765	.722
MAX RADIUS	:	2.955	1.154	1.193
HORIZONTAL SPREAD	:	3.830	1.603	1.603
VERTICAL SPREAD	:	1.819	1.819	1.584
EXTREME SPREAD	:	3.836	2.041	2.041
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

19 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611607

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 2.389

VS= 2.217

GS= 3.046

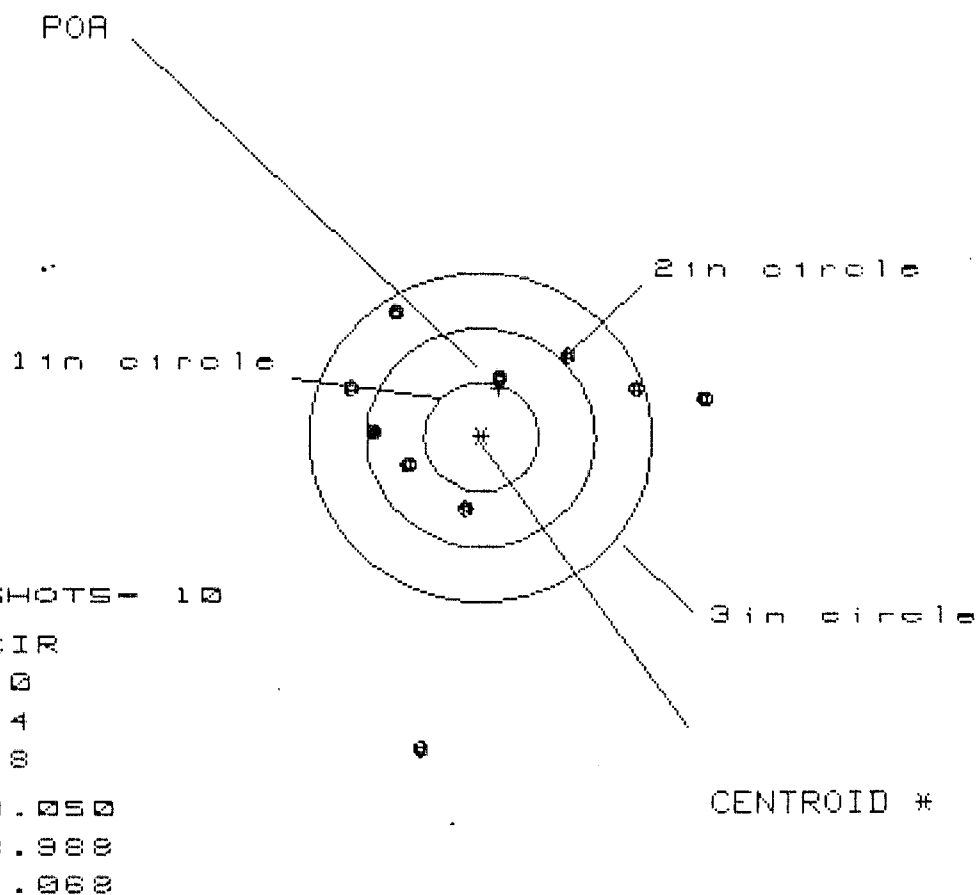
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.302	1.181	.562
MINIMUM X	:	-1.087	-.861	-.714
MAXIMUM Y	:	1.017	.892	.972
MINIMUM Y	:	-1.200	-1.325	-1.245
CENTROID X	:	-.011	.109	-.038
CENTROID Y	:	-.008	.117	.037
POA TO CENTROID in.	:	.014	.160	.053
MIN RADIUS	:	.584	.428	.592
MEAN RADIUS	:	.935	.902	.856
MAX RADIUS	:	1.565	1.429	1.304
HORIZONTAL SPREAD	:	2.389	2.042	1.276
VERTICAL SPREAD	:	2.217	2.217	2.217
EXTREME SPREAD	:	3.046	2.607	2.276
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

19 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611687

CENTERFIRE PATTERNS # 5



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.947	1.884	1.545
MINIMUM X	:	-1.103	-1.166	-.931
MAXIMUM Y	:	1.164	.850	.858
MINIMUM Y	:	-2.824	-.930	-.922
CENTROID X	:	-.159	-.096	-.331
CENTROID Y	:	-.448	-.134	-.142
POA TO CENTROID in.	:	.475	.165	.360
MIN RADIUS	:	.540	.222	.379
MEAN RADIUS	:	1.277	1.057	.927
MAX RADIUS	:	2.881	1.885	1.550
HORIZONTAL SPREAD	:	3.050	3.050	2.476
VERTICAL SPREAD	:	3.988	1.780	1.780
EXTREME SPREAD	:	4.068	3.050	2.476
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	