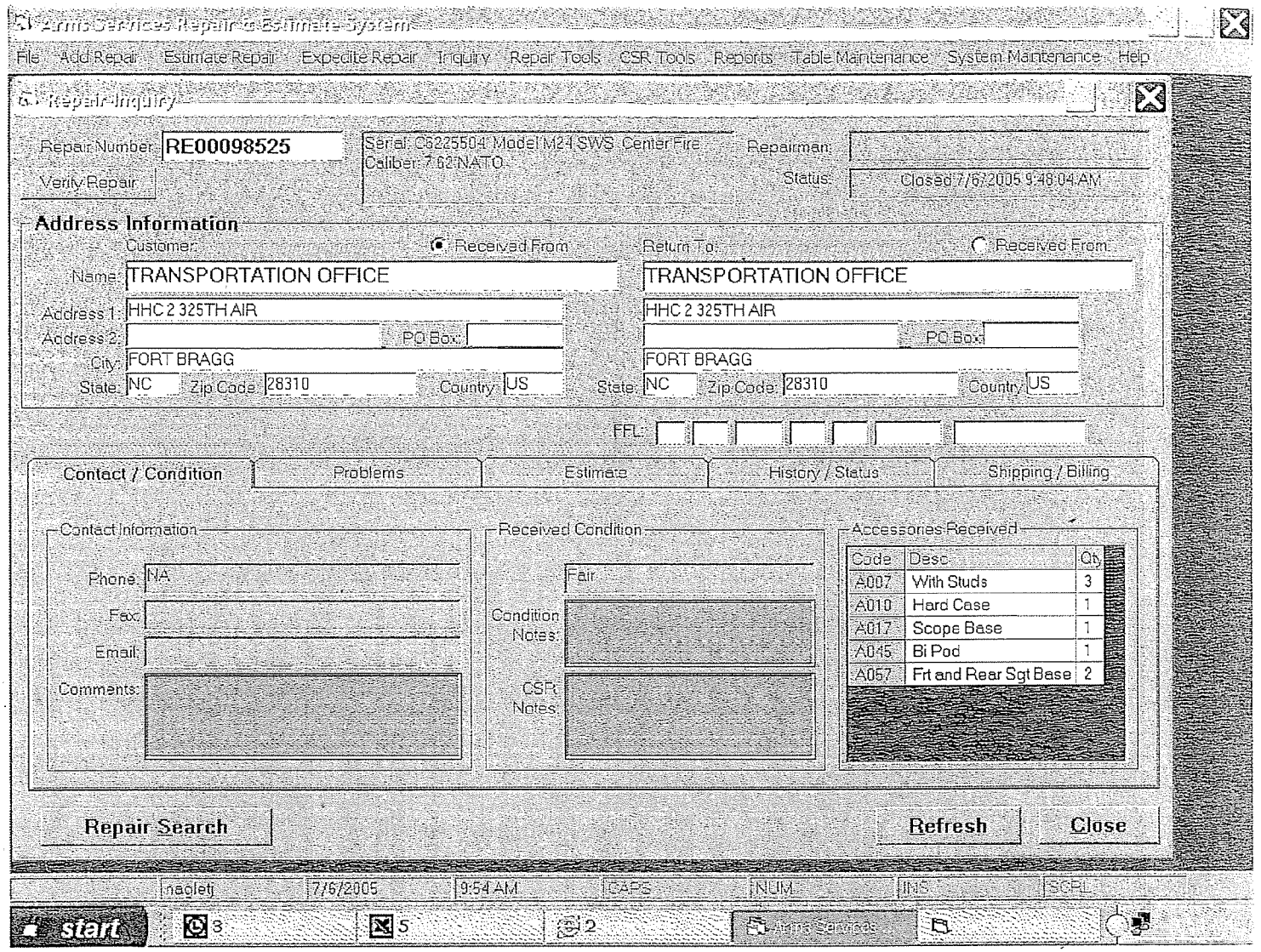
Sight 1644
Redhead
C. 223501



G6446 1644 (New)

Serial Number: ~~C6225504~~

Model: M24 SWS

RE00098525

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461644.__0
FILE DATE AND TIME: 08/08/2005 10:48

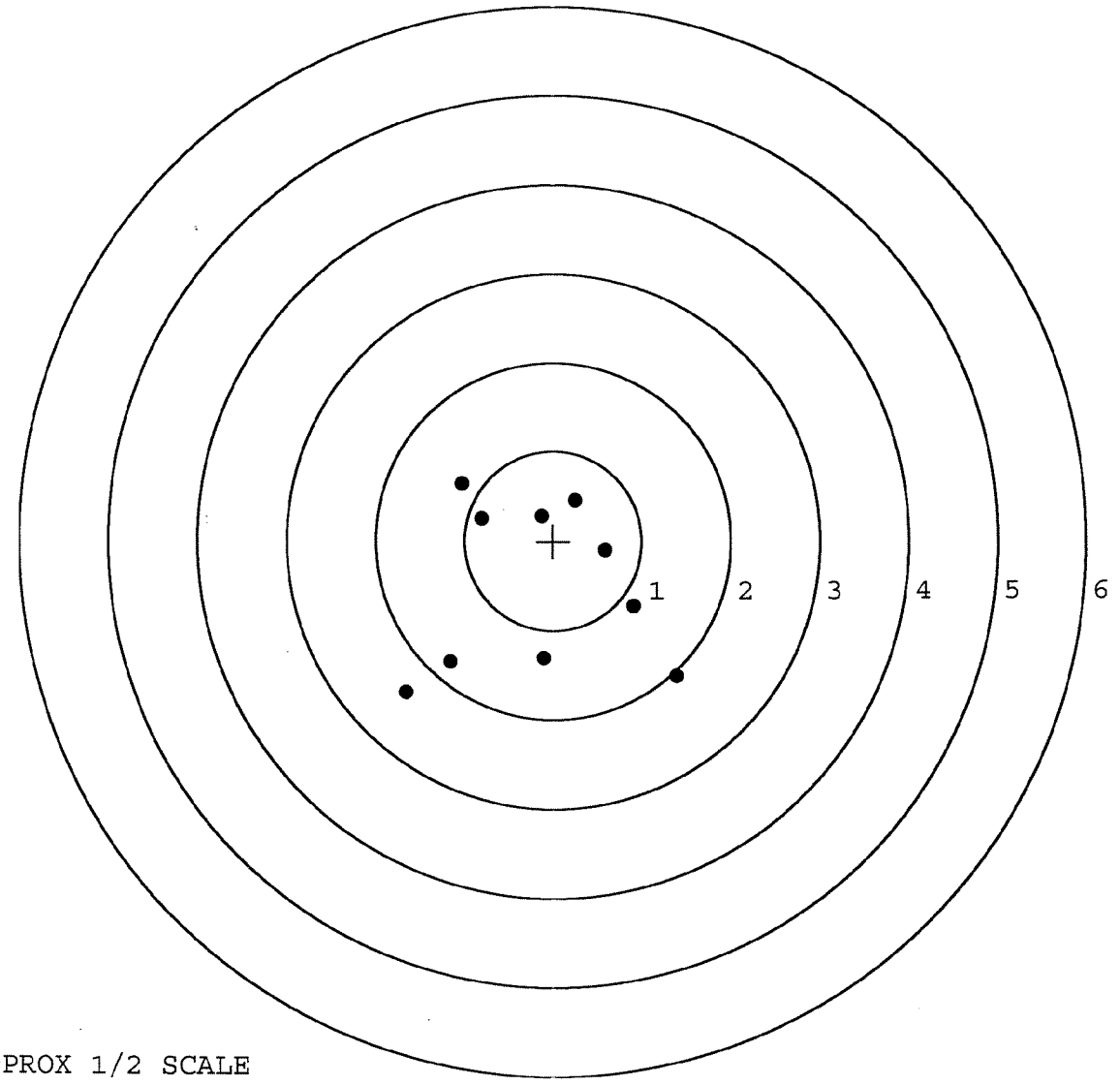
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.069
The Average Y Centroid of the Five Target Set:	-0.207
The Average Point of Impact of the Five Target Set:	0.218
The Average Mean Radius of the Five Target Set:	1.024
The Distance from POA to Centroid Target #1:	0.540
The Distance from Centroid Target #2 to Centroid Target #1:	0.652
The Distance from Centroid Target #3 to Centroid Target #1:	0.537
The Distance from Centroid Target #4 to Centroid Target #1:	0.510
The Distance from Centroid Target #5 to Centroid Target #1:	0.339

SERIAL NUMBER: G6461644.__0
TARGET NUMBER: 1
FILE DATE: 08/08/2005
FILE TIME: 10:48

X CENTROID:	-0.176
Y CENTROID:	-0.511
POA TO CENTROID:	0.540
HORZ SPREAD:	3.052
VERT SPREAD:	2.344
GROUP SPREAD:	3.058
MIN RADIUS:	0.787
MAX RADIUS:	1.906
MEAN RADIUS:	1.212
# IN 1 IN DIAMETER:	0
# IN 2 IN DIAMETER:	4
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	1.391	-1.516
2:	0.909	-0.730
3:	-0.112	-1.320
4:	-1.162	-1.356
5:	-1.661	-1.705
6:	0.591	-0.102
7:	0.252	0.453
8:	-0.128	0.274
9:	-0.808	0.252
10:	-1.030	0.639

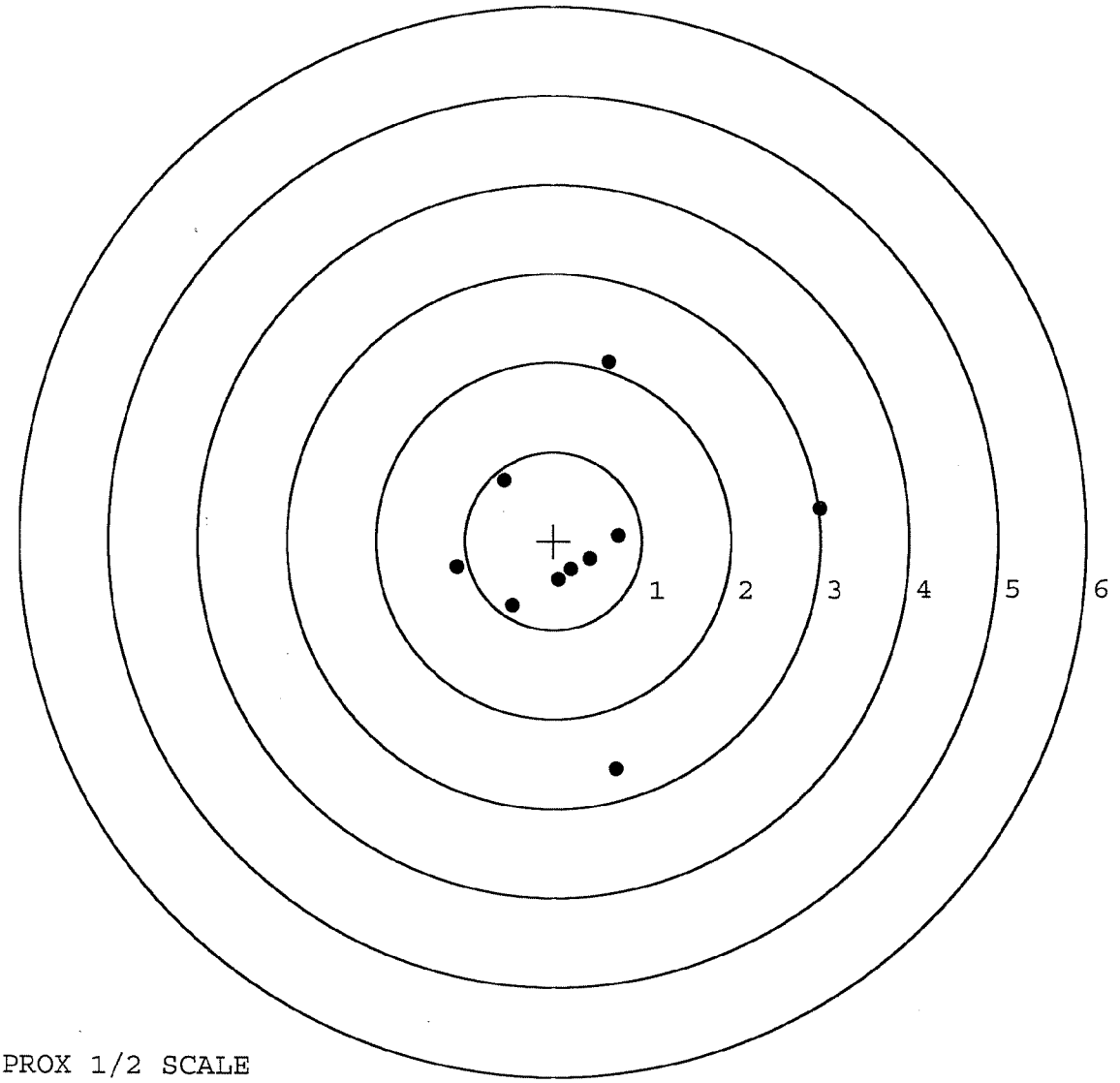


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461644.__0
TARGET NUMBER: 2
FILE DATE: 08/08/2005
FILE TIME: 10:48

X CENTROID:	0.362
Y CENTROID:	-0.143
POA TO CENTROID:	0.389
HORZ SPREAD:	4.086
VERT SPREAD:	4.561
GROUP SPREAD:	4.138
MIN RADIUS:	0.077
MAX RADIUS:	2.680
MEAN RADIUS:	1.216
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	4
# in 3 IN DIAMETER:	7

POINT#	X	Y
1:	0.411	-0.203
2:	0.194	-0.324
3:	0.055	-0.434
4:	-0.464	-0.727
5:	-1.092	-0.297
6:	0.737	0.064
7:	-0.554	0.682
8:	2.994	0.360
9:	0.630	2.005
10:	0.709	-2.556

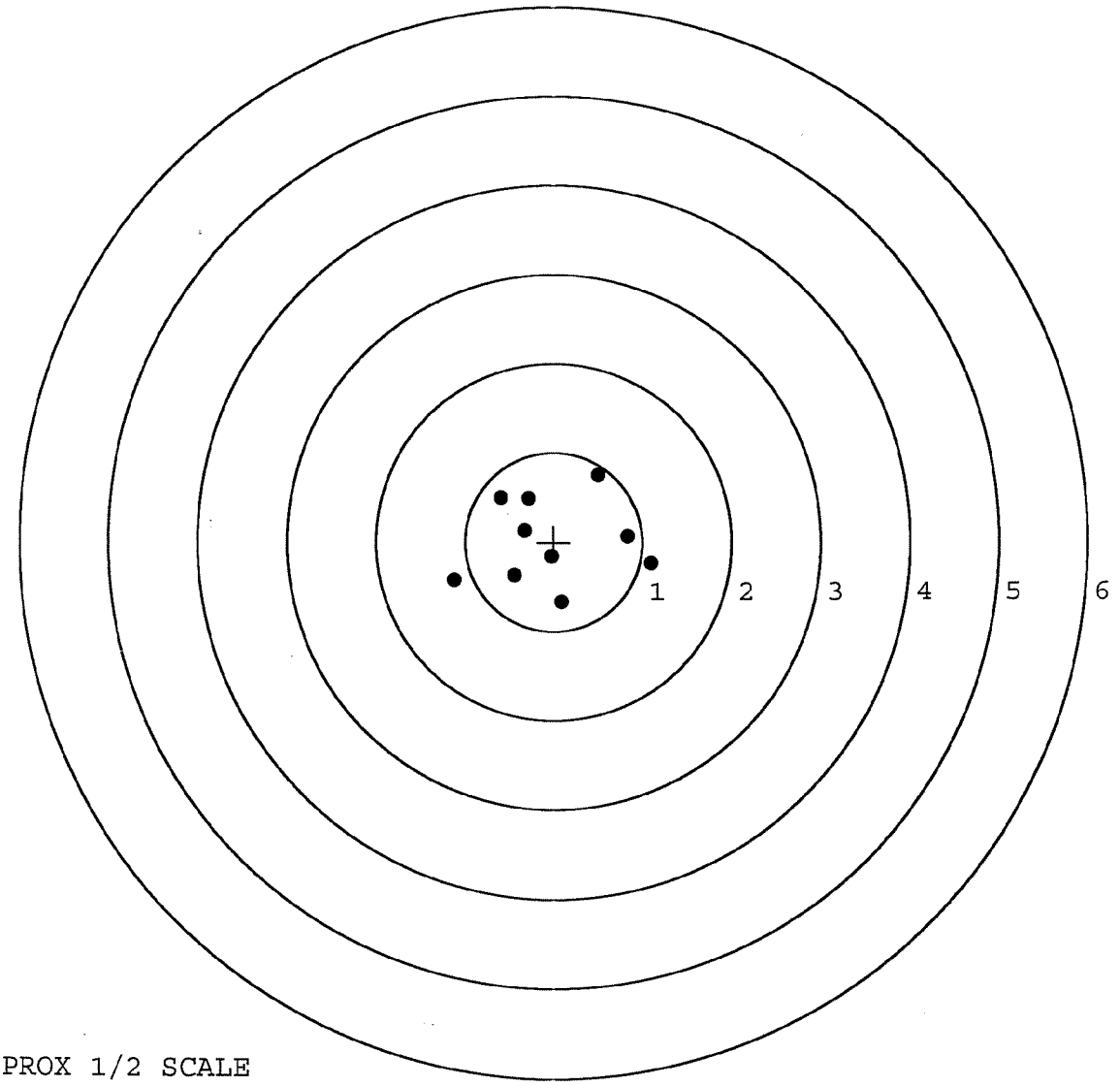


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461644.__0
TARGET NUMBER: 3
FILE DATE: 08/08/2005
FILE TIME: 10:48

X CENTROID:	-0.028
Y CENTROID:	0.005
POA TO CENTROID:	0.028
HORZ SPREAD:	2.221
VERT SPREAD:	1.426
GROUP SPREAD:	2.229
MIN RADIUS:	0.169
MAX RADIUS:	1.181
MEAN RADIUS:	0.716
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.095	-0.238
2:	0.835	0.070
3:	0.504	0.749
4:	0.093	-0.677
5:	-0.028	-0.163
6:	-0.444	-0.375
7:	-0.331	0.129
8:	-0.281	0.491
9:	-0.596	0.499
10:	-1.126	-0.430

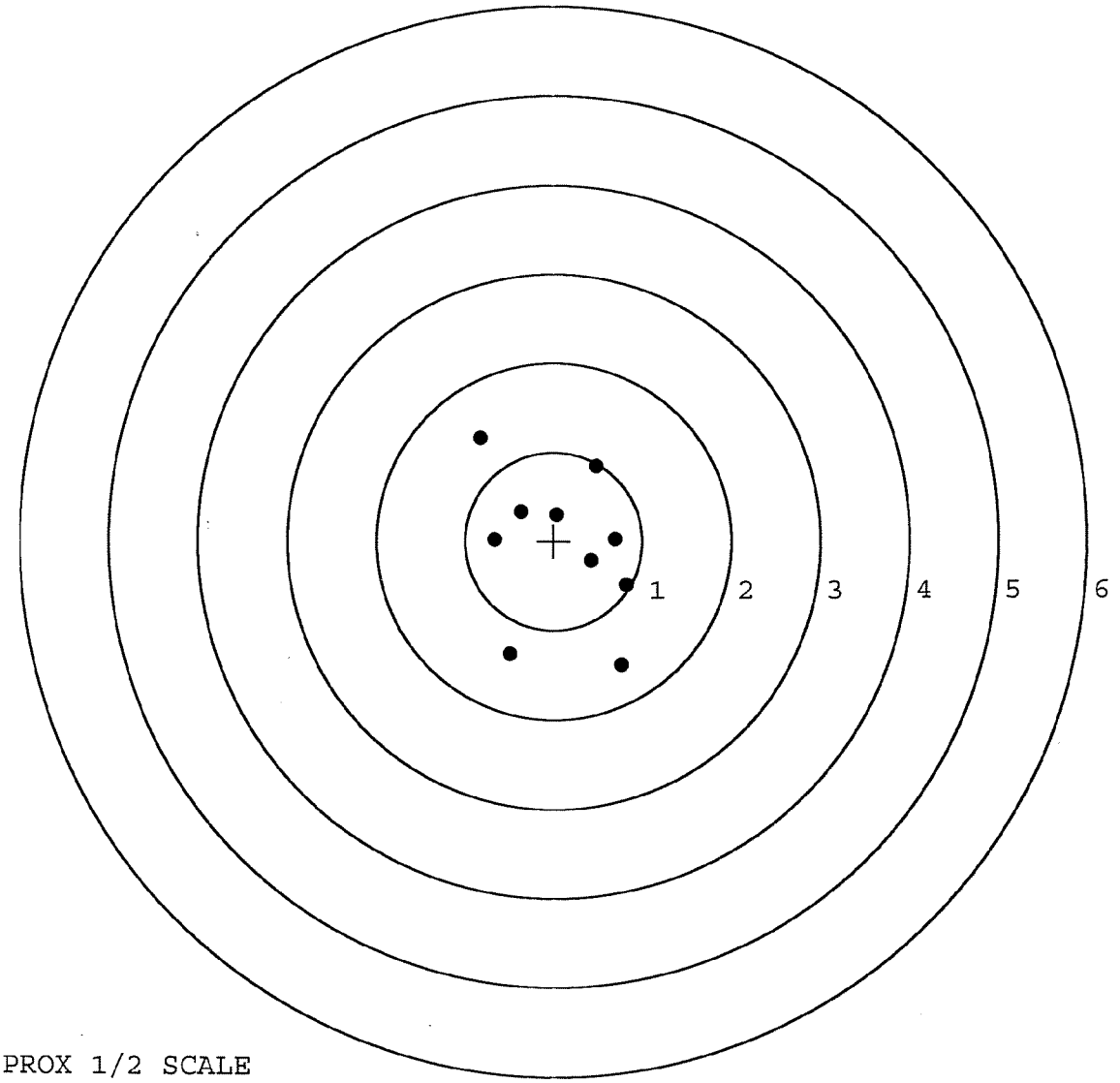


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461644.__0
TARGET NUMBER: 4
FILE DATE: 08/08/2005
FILE TIME: 10:48

X CENTROID:	0.087
Y CENTROID:	-0.074
POA TO CENTROID:	0.114
HORZ SPREAD:	1.656
VERT SPREAD:	2.558
GROUP SPREAD:	3.018
MIN RADIUS:	0.367
MAX RADIUS:	1.538
MEAN RADIUS:	0.894
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.771	-1.398
2:	-0.498	-1.279
3:	0.486	0.841
4:	-0.830	1.160
5:	-0.667	0.014
6:	-0.369	0.327
7:	0.037	0.295
8:	0.421	-0.226
9:	0.695	0.022
10:	0.826	-0.497

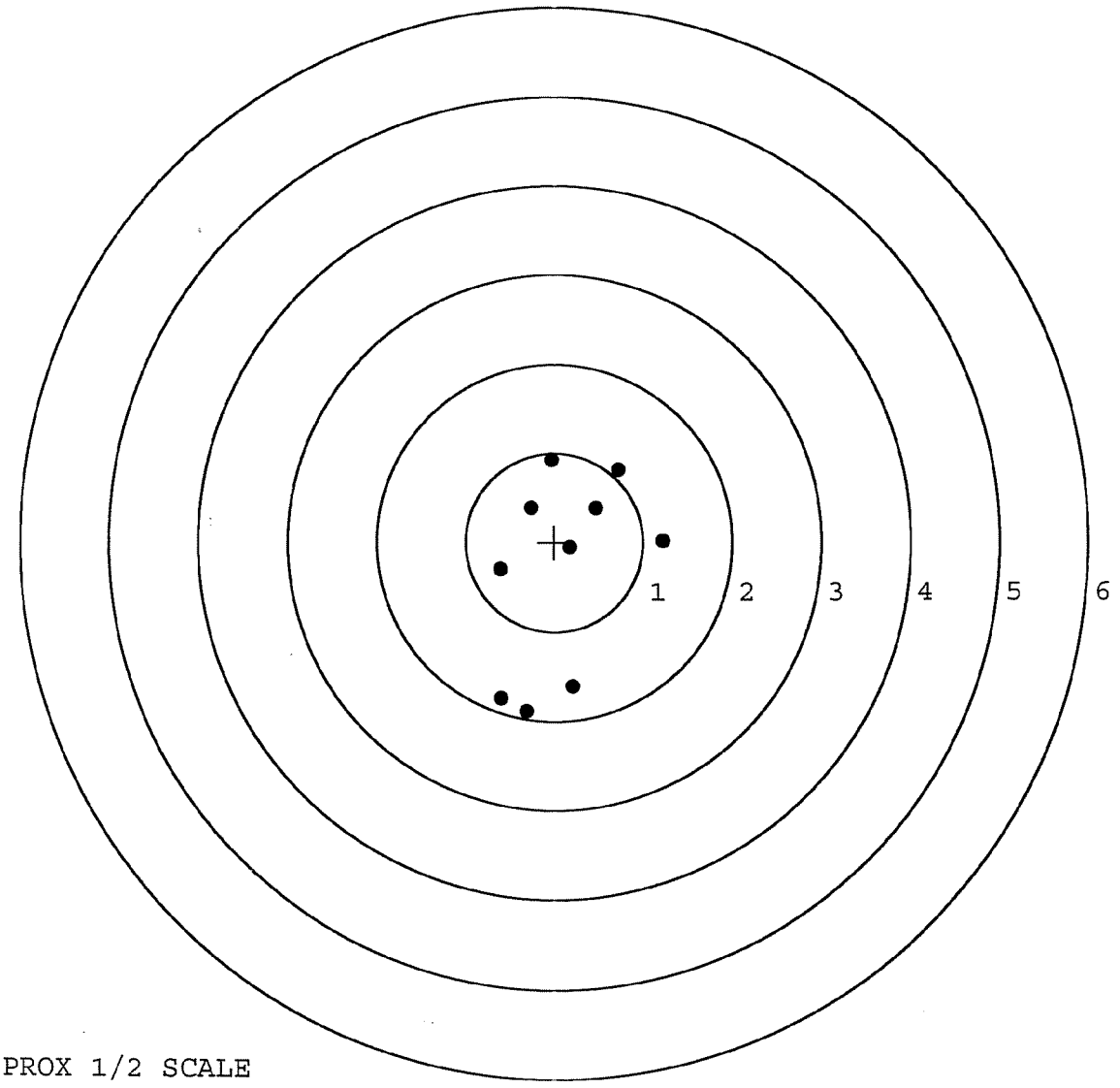


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461644.__0
TARGET NUMBER: 5
FILE DATE: 08/08/2005
FILE TIME: 10:48

X CENTROID:	0.097
Y CENTROID:	-0.311
POA TO CENTROID:	0.326
HORZ SPREAD:	1.836
VERT SPREAD:	2.818
GROUP SPREAD:	2.908
MIN RADIUS:	0.261
MAX RADIUS:	1.639
MEAN RADIUS:	1.080
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	4
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	1.224	0.016
2:	0.467	0.384
3:	0.178	-0.062
4:	-0.261	0.386
5:	-0.612	-0.308
6:	-0.035	0.922
7:	0.724	0.818
8:	0.208	-1.619
9:	-0.319	-1.896
10:	-0.601	-1.748



TARGET APPROX 1/2 SCALE

AVERAGE PULL 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)

SERIAL NO. _____

DATE 7-7-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.54	2.34		2.68	
PULL #2	2.19	2.26		2.41	
PULL #3	2.40	2.43		2.29	
PULL #4	2.62	2.41		2.48	
PULL #5	2.38	2.50		2.53	
TOTAL	12.13	11.94		12.39	
AVERAGE	2.42	2.38		2.47	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.12		
PULL #2	3.23	3.07		
PULL #3	3.25	3.14		
PULL #4	3.14	3.12		
PULL #5	3.15	3.03		
TOTAL	15.99	15.48		
AVERAGE	3.19	3.09		

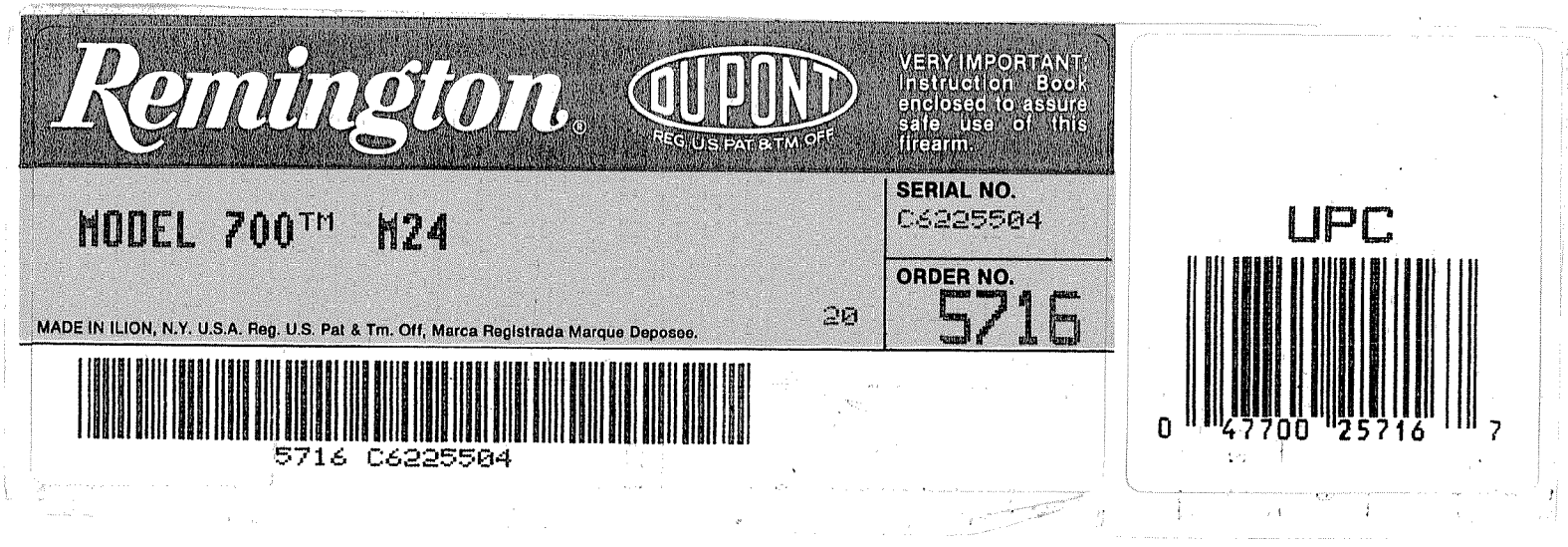
	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.17	4.03		4.73
PULL #2	4.15	4.08		4.50
PULL #3	4.08	4.11		4.66
PULL #4	4.42	4.15		4.59
PULL #5	3.91	4.56		4.34
TOTAL	20.73	20.93		22.82
AVERAGE	4.14	4.18		4.56

M

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

R & E NUMBER	98525		
SERIAL NUMBER	C6225504	(6446 M44A Nm)	
LOG-IN DATE	6-6-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7-7-05	RTL
560 A	RE-BARREL	7-7-05	RTL
B	DRILL AND TAP	7-7-05	TRW
575	ASSEMBLE	7-7-05	RTL
600	PROOF	7-7-05	RTL
605	CHECK HEADSPACE	7-7-05	RTL
610	DIS-ASSEMBLE GUN	7-7-05	RTL
612	MAGNAFLUX unit	7/7/05	WmS
615	ROLLMARK CALIBER	7-8-05	CW
618	ROTO-BLAST	7-8-05	LB
620	APPLY COATINGS	7-18-05	WJ
625 A	FINAL ASSEMBLY	8-1-05	RTL
B	TRIGGER PULL TEST	8-8-05	AC
C	SAFETY "ON" FORCE	8-8-05	AC
D	SAFETY "OFF" FORCE	8-8-05	AC
E	FIRING PIN INDENT	8-8-05	AC
640	TARGET	8-8-05	TRW
655	FINAL INSPECT	8-8-05	AC
660	PACK	8-9-05	QA
		SHIP DATE	
	QAR INSPECTION DATE		

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON



M2400154228

Scope 0451

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225504

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12 9 88		RW
600	Proof	12 9 88		RW
607	Check Headspace	12 9 88		RW
610	Dis-assemble Gun	12 9 88		RW
612	Magnaflux Barrel Action		12 22 88	pfc.
	Magnaflux Bolt		1-3-89	pfc.
615	Rollmark Caliber		12/22/88	MLSC
617	Drill and Tap Sight Holes	1	3 89	FB
618	Polish Barrel	12 2	88	WT
620	Apply Coatings (Barrel Action)		1/16/89	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/24/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/24/89	RW
	C) Inspect Ejector Hole for Chamfer		1/24/89	RW
	D) Oil Firing Pin Ass'y		1/24/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		24 Jan 89	KS

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400154229

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			30 Jan 89	GS
	G) Safety Off Force	3	3	3			30 Jan 89	GS
	H) Trigger Pull Test & Retainability						24 Jan 89	GS
	I) Firing Pin Indent	.021	.021	.021			30 Jan 89	GS
	J) Assemble Stock						2/6/89	RW
	K) Assemble Swivel Studs						9 Feb 89	GS
	L) Attach Front and Rear Sight Assemblies						2/6/89	RW
	M) Iron Sight Alignment						2/6/89	RW
	N) Detach Front & Rear Sights & place in numbered container						2/6/89	RW
	O) Attach Scope to Rifle						2/6/89	RW
	P) Detach & Attach Scope 20 Times						7 Feb 89	GS
640	Gallery Target & Test	64 R	88L				2/8/89	DH
	A) Time						2/8/89	DH
	B) Malfunctions						2/8/89	DH
	C) Pierced Primers						2/8/89	DH
	D) Optical Clearity of Scope						2/8/89	DH
645	Inspect for Live Ammo						2/8/89	DH
655	Final Inspection A) Headspace						9 Feb 89	GS
	B) Trigger Pull	2.74	2.67	2.65	2.76	2.73	9 Feb 89	GS
	C) Function						9 Feb 89	GS
660	Pack						23 Mar 89	GS

SWS TRIGGER PULL TEST

5304

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. ~~C622518~~

DATE 31 MAY 89

TESTER DB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.29	2.31	2.42	2.60	MIN. SETTING,
PULL #2	2.38	2.18	2.24	2.38	NO AVG. OF 5
PULL #3	2.49	2.19	2.43	2.62	READINGS ACCEPT-
PULL #4	2.37	2.13	2.43	2.53	ABLE LESS THAN 2#
PULL #5	2.36	2.23	2.40	2.53	
TOTAL	11.89	10.94	11.92	12.66	
AVG.	2.378	2.188	2.384	2.532	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.16		
PULL #2	3.27	3.27		
PULL #3	3.26	3.33		
PULL #4	3.28	3.31		
PULL #5	3.21	3.28		
TOTAL	16.20	16.35		
AVG.	3.24	3.27		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.18		4.34
PULL #2	4.27	4.30		4.23
PULL #3	4.35	4.21		4.26
PULL #4	4.31	4.23		4.24
PULL #5	4.31	4.30		4.18
TOTAL	21.64	21.22		21.25
AVG.	4.328	4.244		4.25

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

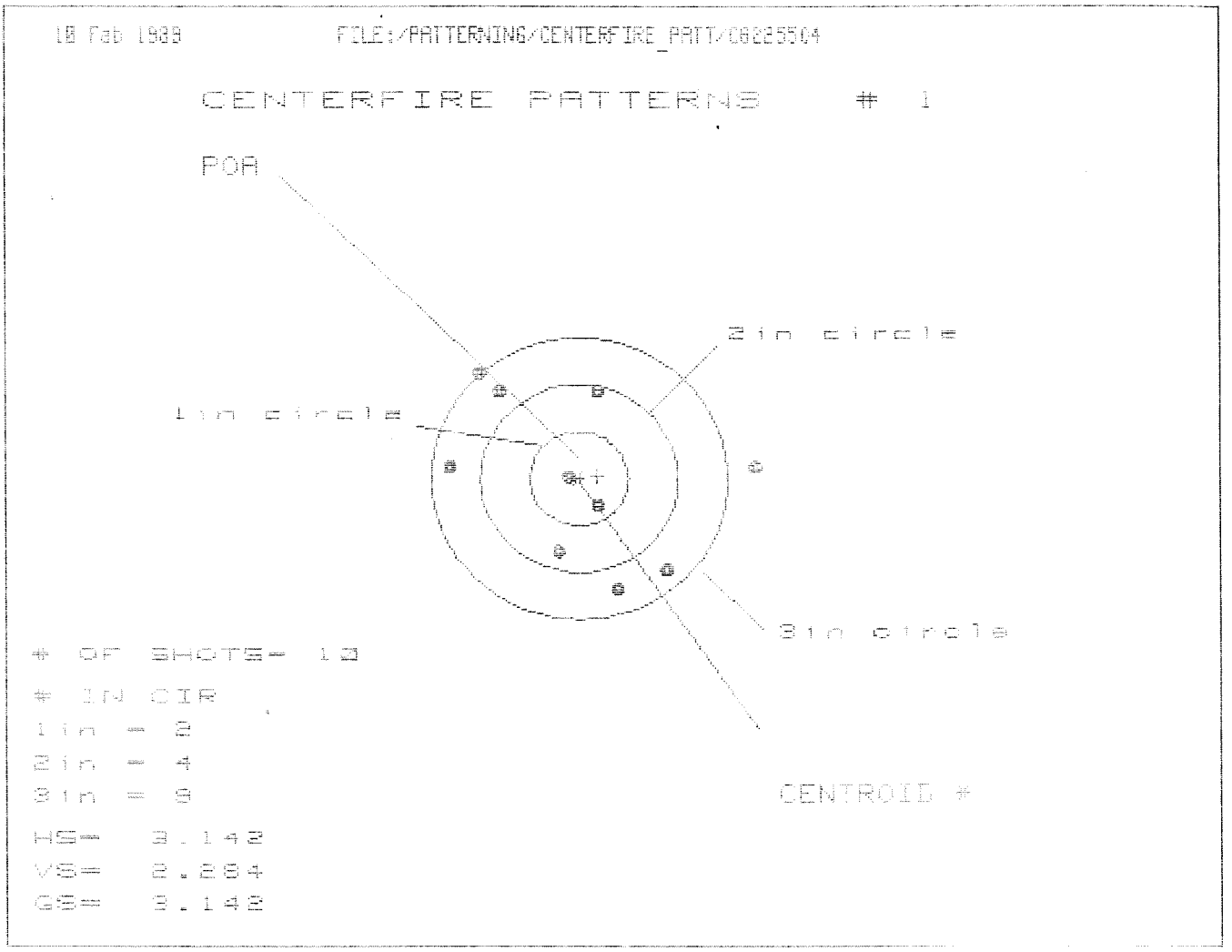
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225504
10 Feb 1989

CENTROIDAL DISTANCES

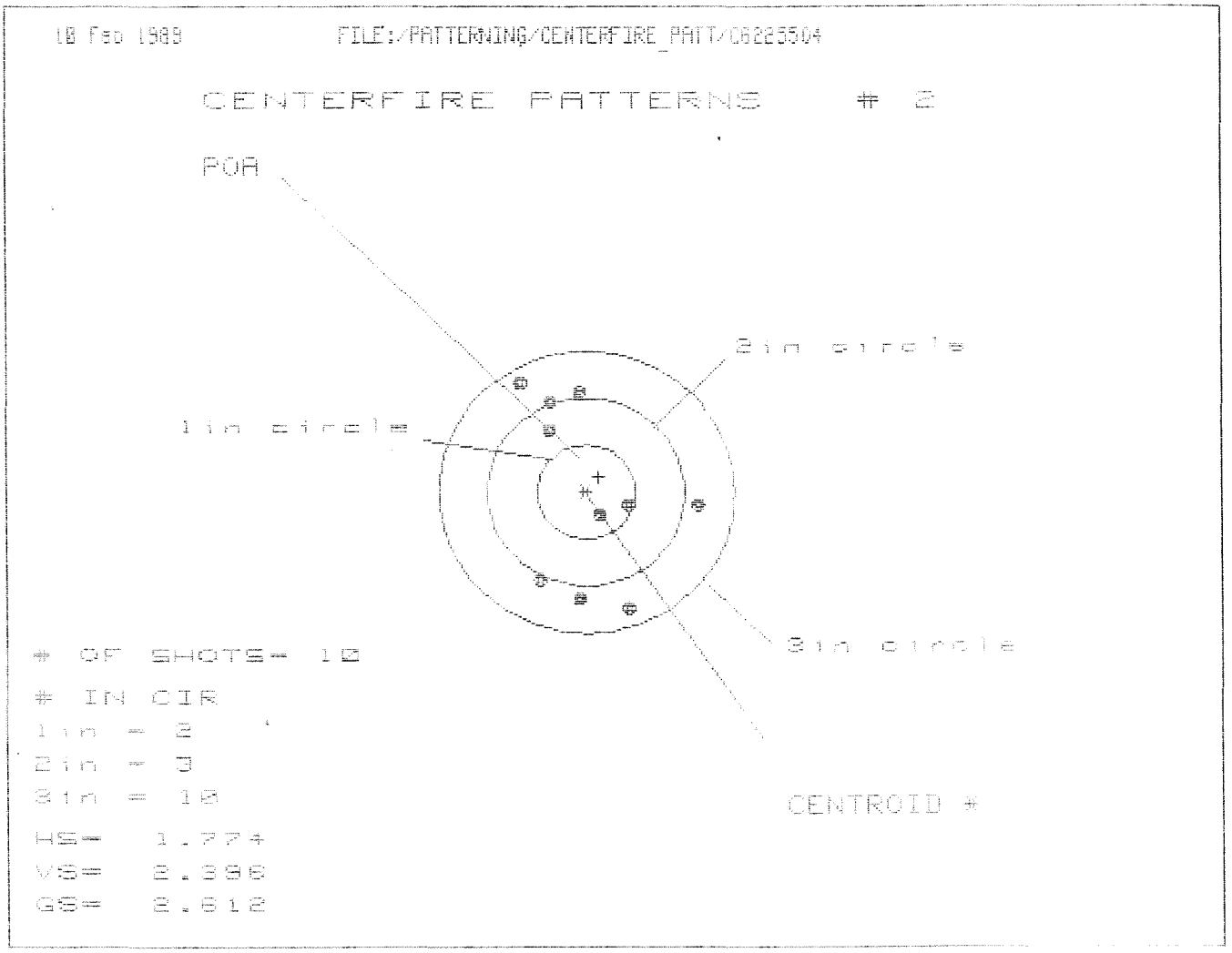
0	TO	1	.190224
1	TO	2	.148142
1	TO	3	.194982
1	TO	4	.194941
1	TO	5	.347937

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0366
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0024
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0901627

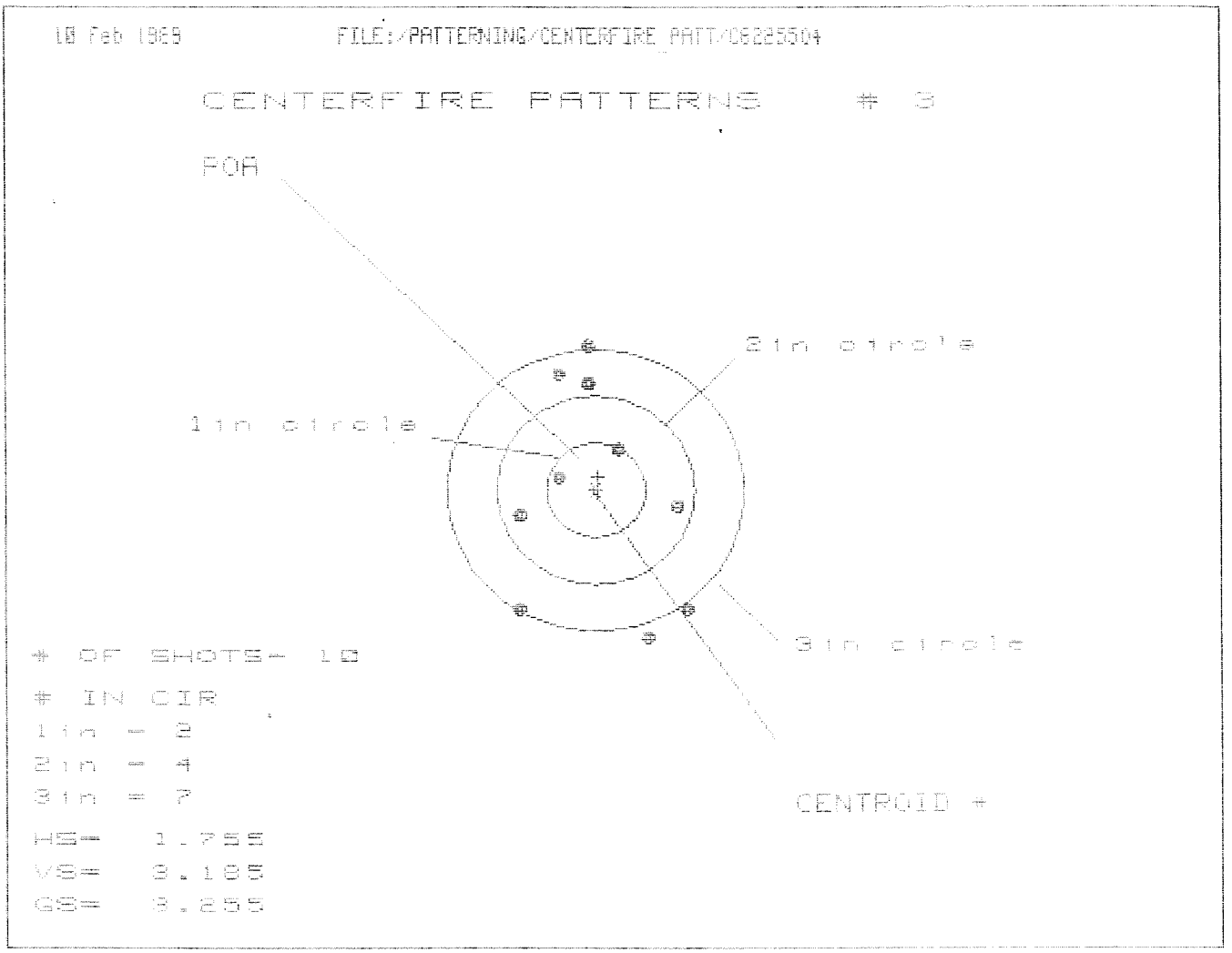
THE AMR FOR THIS RIFLE IS: .9978



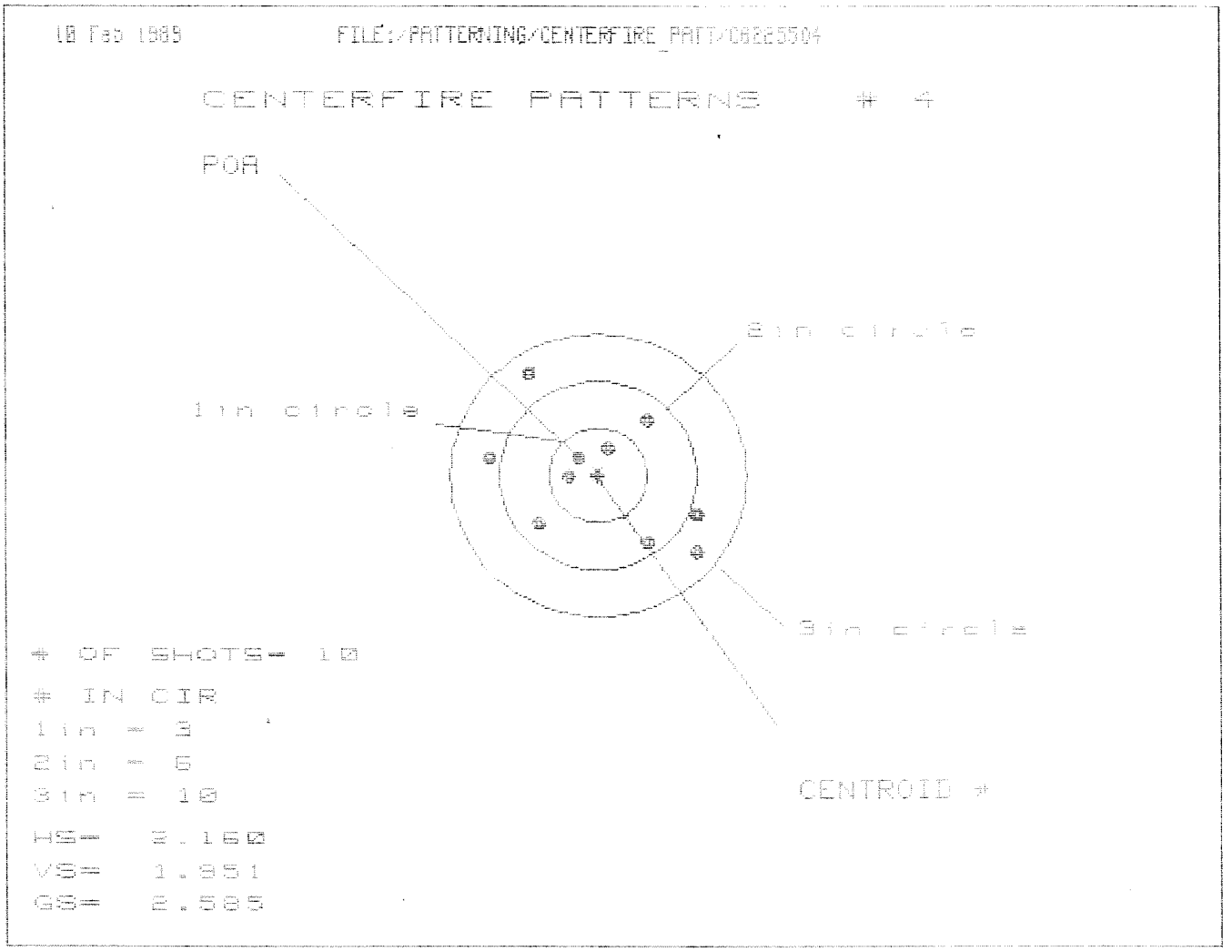
PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.620	1.041	.939
MINIMUM X	:	-1.322	-1.120	-1.222
MAXIMUM Y	:	1.085	1.103	1.111
MINIMUM Y	:	-1.199	-1.181	-1.044
CENTROID X	:	-.188	-.390	-.288
CENTROID Y	:	-.029	-.047	-.184
POA TO CENTROID in.	:	.190	.393	.342
MIN RADIUS	:	.131	.087	.186
MEAN RADIUS	:	1.073	.978	.912
MAX RADIUS	:	1.827	1.400	1.312
HORIZONTAL SPREAD	:	3.142	2.161	2.161
VERTICAL SPREAD	:	2.284	2.284	2.154
EXTREME SPREAD	:	3.142	2.759	2.515
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	



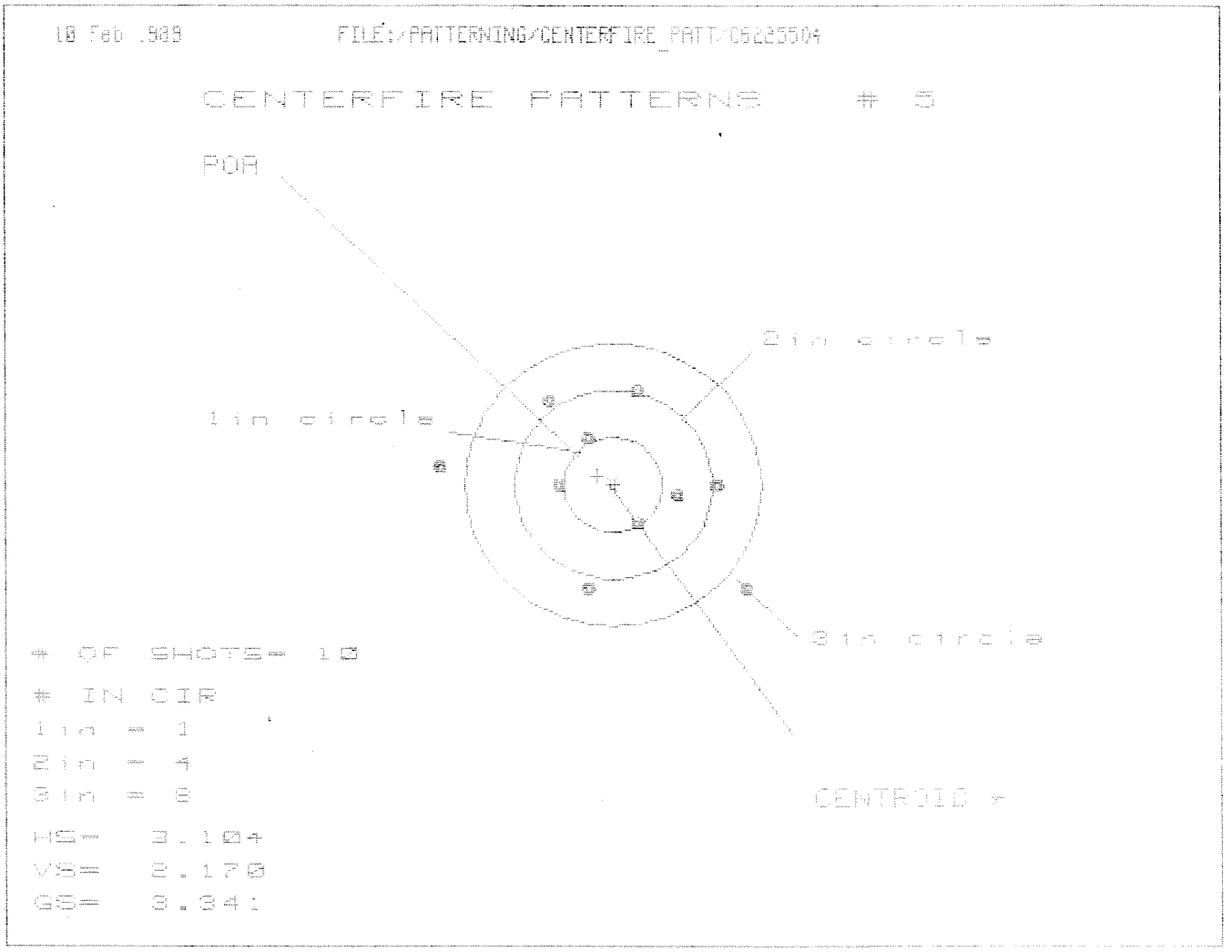
PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.117	1.044	1.089
MINIMUM X	:	-.657	-.503	-.464
MAXIMUM Y	:	1.180	1.215	1.080
MINIMUM Y	:	-1.216	-1.085	-1.131
CENTROID X	:	-.127	-.054	-.093
CENTROID Y	:	-.164	-.295	-.160
POA TO CENTROID in.	:	.208	.300	.185
MIN RADIUS	:	.286	.136	.277
MEAN RADIUS	:	.952	.880	.859
MAX RADIUS	:	1.351	1.230	1.134
HORIZONTAL SPREAD	:	1.774	1.547	1.547
VERTICAL SPREAD	:	2.396	2.300	2.211
EXTREME SPREAD	:	2.612	2.354	2.212
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	8		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.935	.997	.990
MINIMUM X	:	-.820	-.758	-.765
MAXIMUM Y	:	1.583	1.405	1.193
MINIMUM Y	:	-1.602	-1.439	-1.262
CENTROID X	:	-.025	-.007	-.080
CENTROID Y	:	-.136	.042	-.104
POA TO CENTROID in.	:	.139	.097	.156
MIN RADIUS	:	.367	.264	.318
MEAN RADIUS	:	1.126	1.027	.993
MAX RADIUS	:	1.695	1.737	1.592
HORIZONTAL SPREAD	:	1.755	1.755	1.755
VERTICAL SPREAD	:	3.185	2.843	2.455
EXTREME SPREAD	:	3.255	3.016	2.772
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.014	.931	1.040
MINIMUM X	:	-1.146	-1.229	-1.120
MAXIMUM Y	:	1.112	.753	.664
MINIMUM Y	:	-.839	-.715	-.708
CENTROID X	:	.003	.086	-.023
CENTROID Y	:	.010	-.114	-.025
POA TO CENTROID in.	:	.010	.143	.034
MIN RADIUS	:	.260	.404	.264
MEAN RADIUS	:	.833	.790	.717
MAX RADIUS	:	1.337	1.280	1.152
HORIZONTAL SPREAD	:	2.160	2.160	2.160
VERTICAL SPREAD	:	1.951	1.468	1.372
EXTREME SPREAD	:	2.585	2.359	2.257
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.353	1.159	.364
MINIMUM X	:	-1.751	-.865	-.730
MAXIMUM Y	:	1.016	1.034	.902
MINIMUM Y	:	-1.154	-1.136	-1.268
CENTROID X	:	.154	.349	.204
CENTROID Y	:	-.093	-.111	.021
POA TO CENTROID in.	:	.181	.366	.205
MIN RADIUS	:	.423	.347	.507
MEAN RADIUS	:	1.005	.906	.814
MAX RADIUS	:	1.758	1.569	1.296
HORIZONTAL SPREAD	:	3.104	2.024	1.694
VERTICAL SPREAD	:	2.170	2.170	2.170
EXTREME SPREAD	:	3.341	2.854	2.214
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

RECEIVING AND ESTIMATING REPORT

COMMENTS: M-24 W/ULTRA 10X-M3A SCOPE #1303
ATTN. FRED MARTIN

R ORDER 94-13424

INITIAL	CUSTOMER ORDER NO.
FPS	

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
04/19/94	04/19/94	BJ 1-89	C6225504		700 7.62 NATO

ACCESSORIES: W/STUDS SCOPE MNTS SCOPE BASE

FROM:
DEPT. OF THE ARMY
CDR 82ND ABN DIV
HHC 2/325 AIR
FORT BRAGG NC 28307

SHIP TO:
DEPT. OF THE ARMY
CDR 82ND ABN DIV
HHC 2/325 AIR
FORT BRAGG NC 28307

CUST NO: 094133 C.O.D.

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA
					UPS

GUN CONDITION
- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

REPAIR CHARGE	
EXCISE	
TAX	
INSURANCE	
UPS	
PARCEL POST	
TOTAL	

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	F4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT: Rounds tumbling, Stock Cracked, Barrel is Not Centered on Stock!

PARTS:
Barrel - 96003
Stock Assy - 96018

COMMENTS:
Re-Zinc - Scope Base, Scope Rings & Swivel Studs.
Re-powder Coat - Floor plate, latch, Trigger Guard, Front & Rear Sight Bases.

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
RW	✓	✓	✓	✓	

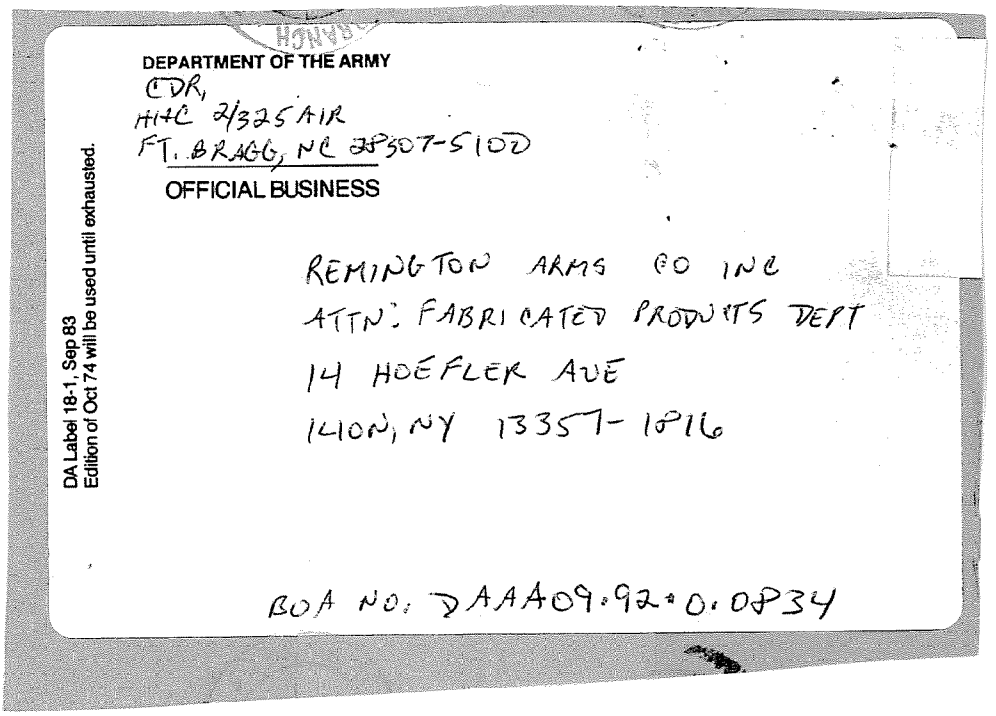
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
RW	4/21/94	5/2/94	5/3/94	5/3/94	

W52H094096 #226

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON



DEPARTMENT OF THE ARMY
CDR,
HHC 2/325 AIR
FT. BRAGG, NC 28307-5100
OFFICIAL BUSINESS

DA Label 18-1, Sep 83
Edition of Oct 74 will be used until exhausted.

REMINGTON ARMS CO INC
ATTN: FABRICATED PRODUCTS DEPT
14 HOEFLER AVE
ILION, NY 13357-1216

BOA NO: DAAA09-92-0-0P34

EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET

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

1. ORGANIZATION	2. NOMENCLATURE AND MODEL
HHC 2/325 A.I.R. 82ND ABN DIV	M24 Sniper Weapon System (SWS)

3. REGISTRATION/SERIAL/NSN	4a. MILES	b. HOURS	c. ROUNDS FIRED	d. HOT STARTS	5. DATE	6. TYPE INSPECTION
C6225504			20000+		31 MAR 94	

7. APPLICABLE REFERENCE

TM NUMBER	TM DATE	TM NUMBER	TM DATE
1005-01-240-2136	JUNE 1989		

COLUMN a — Enter TM item number.

COLUMN b — Enter the applicable condition status symbol.

COLUMN c — Enter deficiencies and shortcomings.

COLUMN d — Show corrective action for deficiency or shortcoming listed in Column c.

COLUMN e — Individual ascertaining completed corrective action initial in this column.

STATUS SYMBOLS

"X"—Indicates a deficiency in the equipment that places it in an inoperable status.

CIRCLED "X"—Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished.

HORIZONTAL DASH "(-)"—Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.

DIAGONAL "(/)"—Indicates a materiel defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable.

LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL-Indicates that a completely satisfactory condition exists.

FOR AIRCRAFT-Status symbols will be recorded in red.

ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.

8a. SIGNATURE (Person(s) performing inspection)	8b. TIME	9a. SIGNATURE (Maintenance Supervisor)	9b. TIME	10. MANHOURS REQUIRED
PAKASY SHANNON SSG/E6 [signature]	31MAR94 1030	KENNETH M. ROBERSON SFC/E7 [signature]	31MAR94 1030	

TM ITEM NO. a	STATUS b	DEFICIENCIES AND SHORTCOMINGS c	CORRECTIVE ACTION d	INITIAL WHEN CORRECTED e
1		Rounds are tumbling and impacting sideways on target.		
2.		Stock cracked on the end ON FRONT OF STOCK		
3.		Barrel is not centered on stock. Stock is almost touching barrel on the left.		

DA FORM 2404, 1 APR 79 — Replaces edition of 1 Jan 64, which will be used

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

TM ITEM NO. *a*	STATUS *b*	DEFICIENCIES AND SHORTCOMINGS *c*	CORRECTIVE ACTION *d*	INITIAL WHEN CORRECTED *e*

GPO : 1991 O - 287-382

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

CONTRACT # DAAA21-87-C-0086

New Barrel / New Stock

GUN SERIAL # C6225504

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		4/21/94	RW
600	Proof		4/21/94	RW
607	Check Headspace		4/21/94	RW
610	Dis-assemble Gun		4/21/94	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/2/94	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/2/94	RW
	C) Inspect Ejector Hole for Chamfer		5/2/94	RW
	D) Oil Firing Pin Ass'y		5/2/94	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force			
	G) Safety Off Force			
	H) Trigger Pull Test & Retainability			
	I) Firing Pin Indent			
	J) Assemble Stock		5/2/94	RW
	K) Assemble Swivel Studs			
	L) Attach Front and Rear Sight Assemblies			
	M) Iron Sight Alignment			
	N) Detach Front & Rear Sights & place in numbered container			
	O) Attach Scope to Rifle			
	P) Detach & Attach Scope 20 Times			
640	Gallery Target & Test		5/3/94	RW
	A) Time			
	B) Malfunctions			
	C) Pierced Primers			
	D) Optical Clearity of Scope			
645	Inspect for Live Ammo		5/3/94	RW
655	Final Inspection A) Headspace		5/3/94	RW
	B) Trigger Pull	2.62 2.56 2.61 2.44 2.46	5/3/94	RW
	C) Function		5/3/94	RW
660	Pack			

SWS/Repair

Final Inspection

S/N: C6225504	DATE REC'D: 4/19/94	DATE RET'D: 5/4/94

AUDITOR: RW

Item:
Barrel Assy.
- ✓ Barrel
- ✓ Receiver
- ✓ Front Sight Block
- ✓ Rear Sight Block
- ✓ Screws
- ✓ Finish

Item:
Stock Assy.
- ✓ Stock
- ✓ Sling Swivel Studs
- ✓ Adjustable Butt Plate
- ✓ Lock Nuts
- ✓ Barrel Clearance
- ✓ Color/Finish

Scope Assy.
- ✓ Scope
- ✓ Scope Rings
- ✓ Mounting Screws
- ✓ Mounting Base
- ✓ Screws
- ✓ Finish
- ✓ Looseness
- ✓ Clarity

Systems Case
- ___ Scope Case
- ___ Iron Sights
- ___ Deployment Kit

Trigger
- ✓ Safety Operation
- ✓ Set
- ___

Comments: _____

Misc.
- ___ DD-250
- ___ Bar Code
- ___ Packaging

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225504
18 May 1994

CENTROIDAL DISTANCES

Ø	TO	1	.450682
1	TO	2	.340966
1	TO	3	.192606
1	TO	4	.373387
1	TO	5	.750131

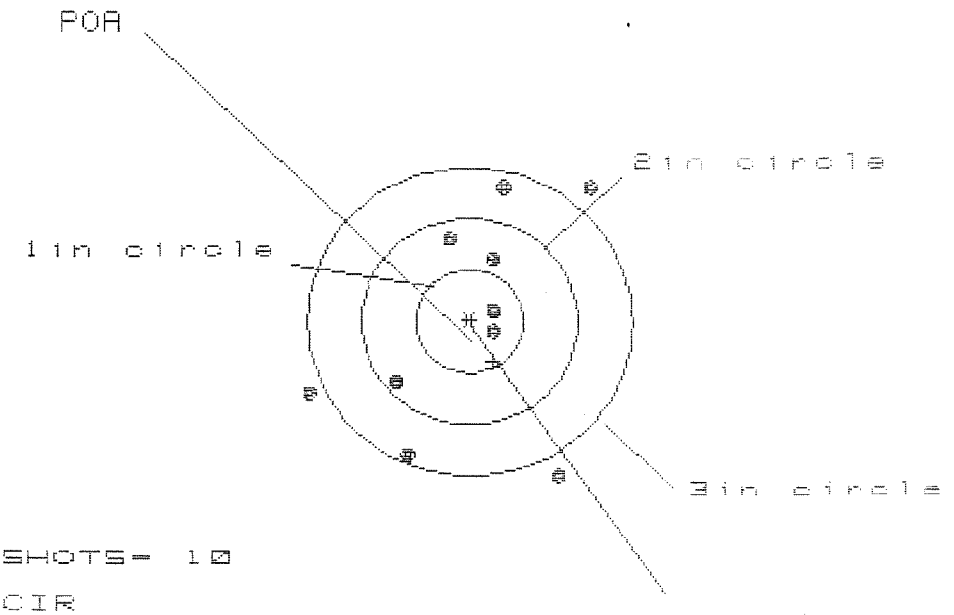
$2\frac{1}{4}\frac{1}{5}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1908
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0922
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .211909

THE AMR FOR THIS RIFLE IS: .9608

18 May 1994 FILE:/PATTERNING/CENTERFIRE_PATT/C8225584

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

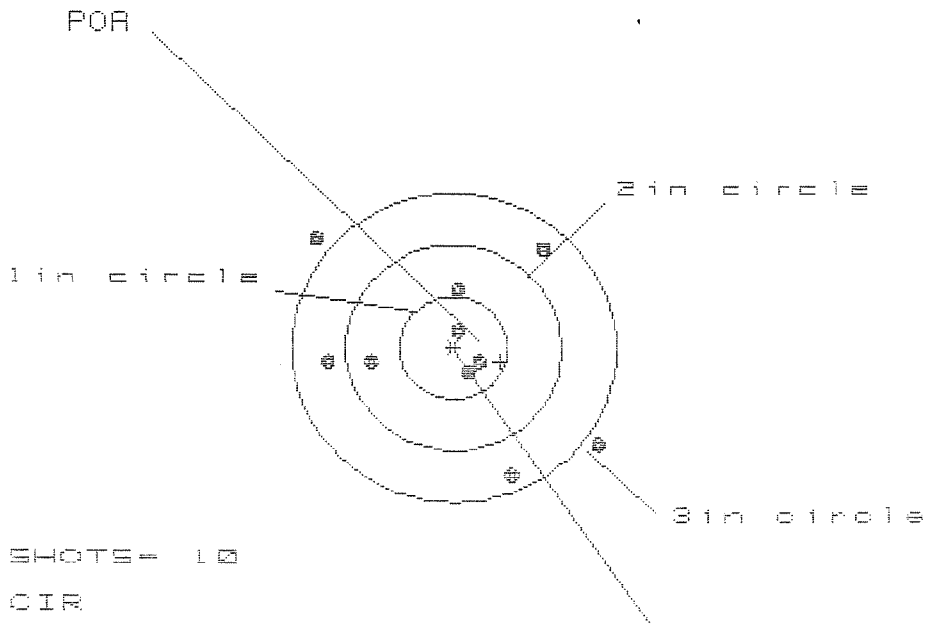
# IN CIR
1in = 2
2in = 5
3in = 7

HS= 2.618
VS= 2.837
GS= 3.272

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.104	1.199	.536
MINIMUM X	:	-1.514	-1.419	-1.270
MAXIMUM Y	:	1.337	1.171	1.311
MINIMUM Y	:	-1.500	-1.423	-1.283
CENTROID X	:	-.217	-.312	-.461
CENTROID Y	:	.395	.561	.421
POA TO CENTROID in.	:	.450	.642	.625
MIN RADIUS	:	.258	.332	.485
MEAN RADIUS	:	1.066	.986	.925
MAX RADIUS	:	1.723	1.649	1.450
HORIZONTAL SPREAD	:	2.618	2.618	1.806
VERTICAL SPREAD	:	2.837	2.594	2.594
EXTREME SPREAD	:	3.272	3.272	2.752
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

18 May 1994 FILE:/PATTERNING/CENTERFIRE_PATT/C8225504

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

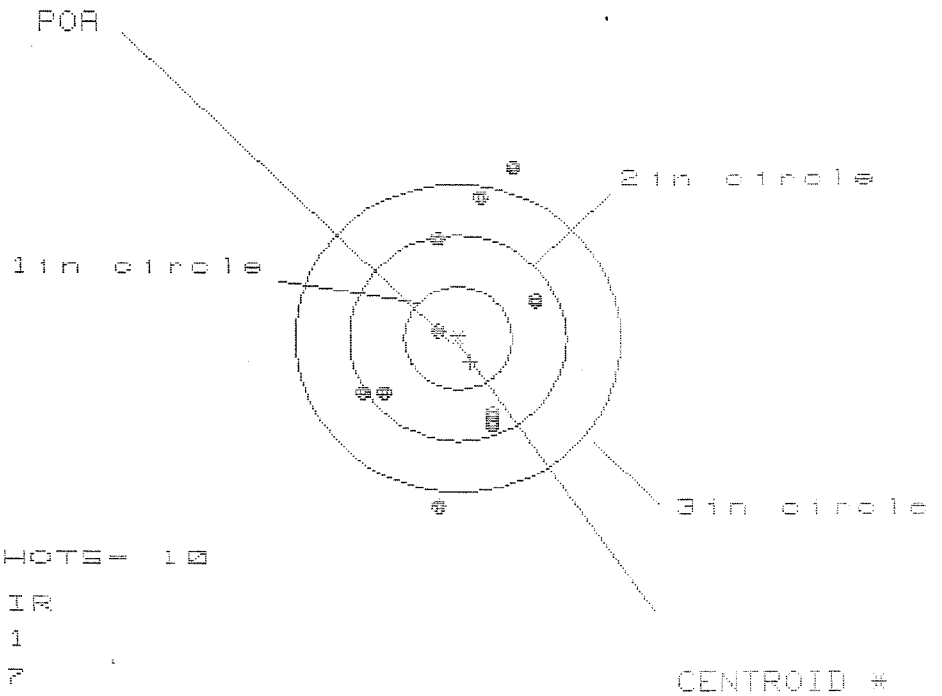
# IN CIR
1in = 3
2in = 5
3in = 8

HS= 2.633
VS= 2.245
GS= 3.306

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.374	.967	.829
MINIMUM X	:	-1.259	-1.106	-1.156
MAXIMUM Y	:	1.036	.928	.945
MINIMUM Y	:	-1.210	-1.317	-1.201
CENTROID X	:	-.434	-.587	-.449
CENTROID Y	:	.132	.239	.123
POA TO CENTROID in.	:	.454	.634	.465
MIN RADIUS	:	.183	.194	.194
MEAN RADIUS	:	.905	.824	.719
MAX RADIUS	:	1.679	1.508	1.341
HORIZONTAL SPREAD	:	2.633	2.073	1.985
VERTICAL SPREAD	:	2.245	2.245	2.146
EXTREME SPREAD	:	3.306	2.904	2.254
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

18 May 1994 FILE:/PATTERNING/CENTERFIRE_PATT/C62255B4

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

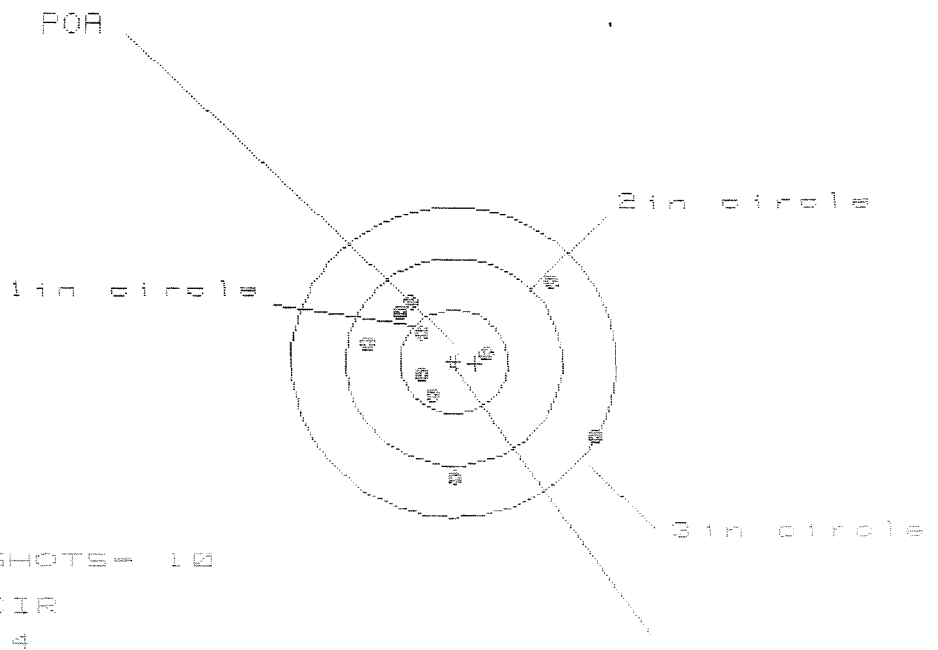
# IN CIR
1in = 1
2in = 7
3in = 8

HS= 1.545
VS= 3.357
GS= 3.425

PATTERN #	:	[redacted]	
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.689	.747	.735
MINIMUM X	:	-.856	-.798	-.810
MAXIMUM Y	:	1.704	1.515	1.332
MINIMUM Y	:	-1.653	-1.464	-.847
CENTROID X	:	-.116	-.174	-.162
CENTROID Y	:	.231	.042	.225
POA TO CENTROID in.	:	.259	.179	.277
MIN RADIUS	:	.202	.259	.158
MEAN RADIUS	:	1.025	.919	.845
MAX RADIUS	:	1.782	1.541	1.359
HORIZONTAL SPREAD	:	1.545	1.545	1.545
VERTICAL SPREAD	:	3.357	2.979	2.179
EXTREME SPREAD	:	3.425	3.003	2.180
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

18 May 1994 FILE:/PATTERNING/CENTERFIRE_PATT/C6225504

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

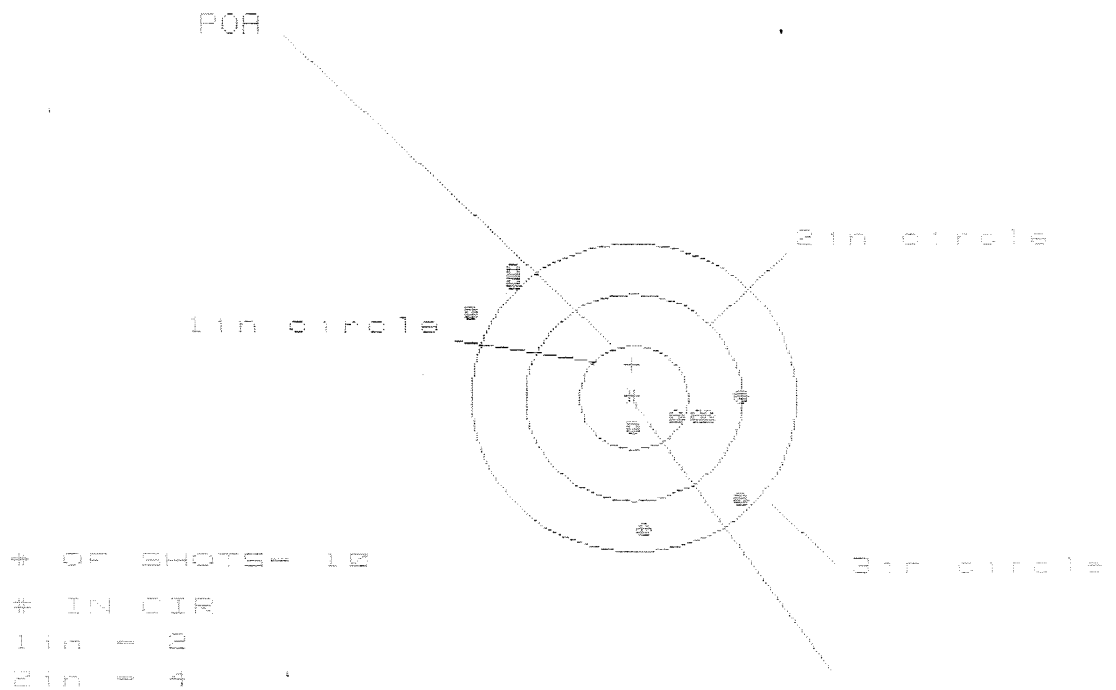
# IN CIR
1in = 4
2in = 7
3in = 10

HS= 2.047
VS= 1.883
GS= 2.218

PATTERN #	:	#4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.268	1.068	.528
MINIMUM X	:	-.779	-.638	-.505
MAXIMUM Y	:	.729	.650	.571
MINIMUM Y	:	-1.154	-1.233	-1.151
CENTROID X	:	-.200	-.341	-.474
CENTROID Y	:	.022	.101	.019
POA TO CENTROID in.	:	.201	.355	.475
MIN RADIUS	:	.280	.229	.128
MEAN RADIUS	:	.730	.610	.507
MAX RADIUS	:	1.454	1.250	1.188
HORIZONTAL SPREAD	:	2.047	1.706	1.033
VERTICAL SPREAD	:	1.883	1.883	1.722
EXTREME SPREAD	:	2.218	2.090	1.775
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

18 May 1994 FILE:/PATTERNING/CENTERFIRE_PATT/08225584

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

# IN CIR	
1in	2
2in	4
3in	7
HS=	2.560
VS=	2.494
GS=	3.130

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.004	.831	.671
MINIMUM X	:	-1.556	1.282	-1.421
MAXIMUM Y	:	1.207	1.296	1.406
MINIMUM Y	:	-1.287	-1.198	-1.036
CENTROID X	:	.013	.186	.346
CENTROID Y	:	-.319	-.408	-.571
POA TO CENTROID in.	:	.319	.449	.667
MIN RADIUS	:	.311	.241	.113
MEAN RADIUS	:	1.078	.929	.734
MAX RADIUS	:	1.752	1.823	1.999
HORIZONTAL SPREAD	:	2.560	2.113	2.092
VERTICAL SPREAD	:	2.494	2.494	2.442
EXTREME SPREAD	:	3.130	3.055	3.003
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER R 97-19537

INITIAL	CUSTOMER ORDER NO.
JJM	

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
11/11/97	11/12/97		C6225504		700 7.62 NATO

ACCESSORIES: HARD CASE W/STUDS SCOPE BASE

FROM:

DEPT OF THE ARMY
2ND BATTALION 325 AIRBORNE INF
REGIMENT HDQTS & HDGTS CO
FORT BRAGG NC 28307

SHIP TO:

DEPT OF THE ARMY
2ND BATTALION 325 AIRBORNE INF
REGIMENT HDQTS & HDGTS CO
FORT BRAGG NC
28307

CUST NO:176901 C.O.D

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE	PROM. DATE	ESTIMATED	VIA
		☐			UPS

GUN CONDITION
- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

REPAIR CHARGE	
EXCISE	
TAX	
INSURANCE	
UPS	
PARCEL POST	
TOTAL	

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE		B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E4	F2
BARREL ASSY.		B4		D1	E5	F3
REC. ASSY.		B5		D2	E6	F4
WOOD		C1		D3	E7	F5
METAL		C2				

MAIN FAULT

PARTS	COMMENTS

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

OFFICE COPY

RD6993 REV. 7/97

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Remington Test Lab, Ilion, N.Y.

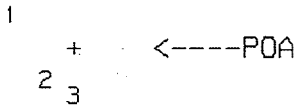
Centroidal distance calculations for Rifle # C6225504
2 Dec 1997

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.217333
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0983333
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .238544

THE AMR FOR THIS RIFLE IS: .9223

CENTROIDAL DISTANCES

0 TO 1 .495105
1 TO 2 .497888
1 TO 3 .688142



At 5000+ Rounds

DEPARTMENT OF THE ARMY
Headquarters and Headquarters Company
2nd Battalion, 325th Airborne Infantry Regiment
Fort Bragg, North Carolina 28307-5100

AFVC-BB-H 7 NOV 1997

MEMORANDUM FOR RECORD

SUBJECT: CONTENTS OF SHIPPING CASE

CONTENTS :

M-24 SWS SERIAL # C6225504

CHRISTOPHER L. CLIFTON
HHC ARMORER

WITNESSED BY:

Robert B James
Robert B James

*U.S.GPO:1994-381-881

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

PAGE NO	NO OF PAGES	REQUIREMENT CONTROL SYMBOL CSGLD-1047(*R1*)

SECTION I - CUSTOMER DATA

1a. UIC CUSTOMER	1b. CUSTOMER UNIT NAME	1c. PHONE NO
WRNT10	HHC 725 AIR	(910) 432-6625

2a. SAMS-2 UIC/SAMS-I/TDA	2b. UTILIZATION CODE	2c. MCSR

SECTION II - MAINTENANCE ACTIVITY DATA

3a. WORK ORDER NUMBER (*WON*)	3b. SHOP	3c. PHONE NO

4a. UIC SUPPORT UNIT	4b. SUPPORT UNIT NAME

SECTION III - EQUIPMENT DATA

5. TYPE MNT REQ CODE	6. ID	7. NSN
		1015701124021136

8. MODEL M24

9. NOUN 7.62mm Sniper Weapon System

10a. ORG WON/DOC NO	10b. EIC

11. SERIAL NUMBER	12. QTY	13. PD
628650	1	

14. MALFUNCTION DESCRIPTION (*for DSU, GSU/AVIM, DEPOT use*)

15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (*Enter code*) See DA Pamphlets 738-750 and 738-751

15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (*Enter Code*) See DA Pamphlets 738-750 and 738-751: 099

16. MILES/KILOMETERS/HOURS/ROUNDS: M | K | H | R: 5,025

17. PROJECT CODE (*if assigned*)	18. ACCOUNT PROCESSING CODE	19. IN WARRANTY? (*enter Y or N*)	20. ADMIN NO
			WA-24-3

21. REIMBURSABLE CUSTOMER (*if Intransit customer enter Y or N*)

22. LEVEL OF WORK	23. SIGNATURE
K	[signature] MT

24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (*Do not prescribe repairs*)

Has exceeded 5,000 rds being fired. Rifling starting to disappear.

25. REMARKS

POC : PFC Clifton · (910) 432-6625

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
[signature]					

34b. DATE	35b. STATUS	35d. TIME	36b. STATUS	36c. DATE	36d. TIME	37b. STATUS	37c. DATE	37d. TIME	38b. STATUS	38c. DATE	38d. TIME
8 JUN 24	I										

DA FORM 2407, JUL 94

NMP COPY 2