C634901

MODEL 700™ M24

Model SWS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

RECEIVING AND ESTIMATING REPORT

COMMENTS: M-24 SNIPER W/10X LEUPOLD SCOPE W/2 STUDS & 2 SWIVELS

ORDER R 96-04796

INITIAL	CUSTOMER ORDER NO.
FPS	

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
02/12/96	02/12/96		C6349001		700 7.62 NATO

ACCESSORIES: HARD CASE SCOPE MNTS SCOPE BASE W/SCOPE CASE

FROM:

U S ARMY
C CO. 3/5 SFG (A)
FT CAMPBELL KY 42223

SHIP TO:

U S ARMY
C CO. 3/5 SFG (A)
FT CAMPBELL KY 42223

CUST NO:137790 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	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS	COMMENTS

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

RD6925 REV. 1/94

OFFICE COPY

*U.S. GPO: 1988-222-500

84B

MAINTENANCE REQUEST

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

PAGE NO.	NO. OF PAGES	REQUIREMENTS CONTROL SYMBOL
1	1	CSGLD - 1047(R1)

SECTION I - EQUIPMENT DATA

CONTROL NUMBER	WORK ORDER NO.	WESDC	ORG. PD	PD AUTHENTICATION

☐ Work Request ☐ MWO ☒ Warranty Claim	1A. ORGANIZATION	B. LOCATION	C. UNIT IDENT CODE
	B co 3/5	Ft. Campbell KY 42223	WH06B0

2. SERIAL NO.	3. NOUN NOMENCLATURE	4. LINE NO.	5. MODEL	6. NATIONAL STOCK NUMBER
C634 9001	Rifle Sniper 7.62		M24	1005-01-240-2136

7A. MAINTENANCE ACTIVITY	B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS
IMO									

14. FAILURE DETECTED DURING *(Select one - use ✓ or X)*

☐ 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)*

☐ 068	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)*

RND CNT over 5,000 RNDS

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	24. RECEIVED BY
Tony Gutierrez Tony	
JULIAN DATE	JULIAN DATE

DA FORM 2407, AUG 88 — EDITION OF MAY 81 MAY BE USED — RECEIPT COPY 1

84B

MAINTENANCE REQUEST

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

PAGE NO.	NO. OF PAGES	REQUIREMENTS CONTROL SYMBOL
1	1	CSGLD - 1047(R1)

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CONTROL NUMBER	WORK ORDER NO.	WESDC	ORG. PD	PD AUTHENTICATION

☐ Work Request
☐ MWO
☒ Warranty Claim

1A. ORGANIZATION	B. LOCATION	C. UNIT IDENT CODE
B Co 3/5	Ft. Campbell KY 42223	WH06B0

2. SERIAL NO.	3. NOUN NOMENCLATURE	4. LINE NO.	5. MODEL	6. NATIONAL STOCK NUMBER
C634 9001	Rifle Sniper 7.62		M24	1005-01-240-2136

7A. MAINTENANCE ACTIVITY	B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS
IMO									

14. FAILURE DETECTED DURING *(Select one - use ✓ or X)*

☐ 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)*

☐ 068 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).*

RNN CNT over 5,000 RNDS

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. (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
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$

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

22. ☐ Data Transcribed

23. SUBMITTED BY	24. RECEIVED BY	25. WORK STARTED BY	26. INSPECTED BY	27. ACCEPTED BY
[illegible] Tony				
JULIAN DATE	JULIAN DATE	JULIAN DATE	JULIAN DATE	JULIAN DATE

28. DISPOSITION *(Select One)*

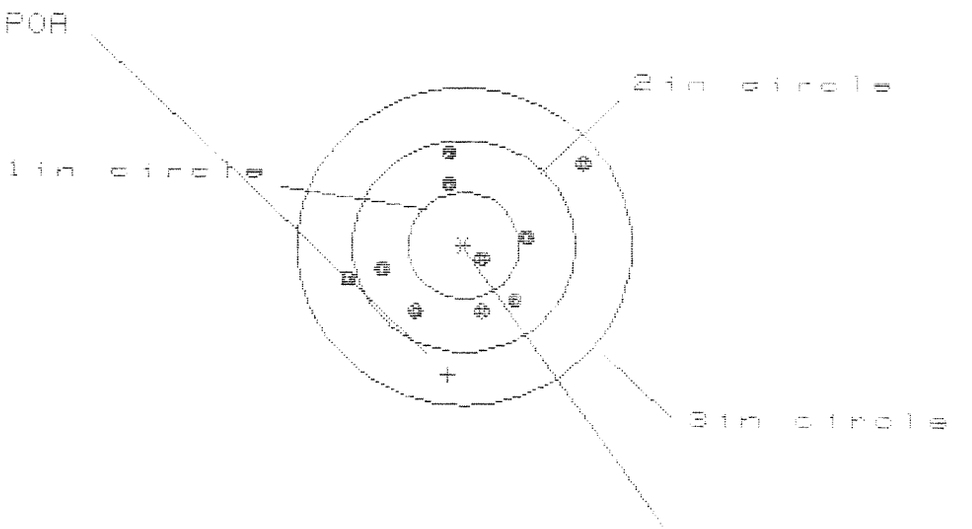
☐ A To User ☐ D Evacuated
☐ B To Stock ☐ E Cannibalization
☐ C Salvaged

DA FORM 2407, AUG 88 EDITION OF MAY 81 MAY BE USED NMP COPY 2

2/13/96

03 Jan 1900 FILE:/PATTERNING/CENTERFIRE_PATT/C034900B1

CENTERFIRE PATTERNS # 1



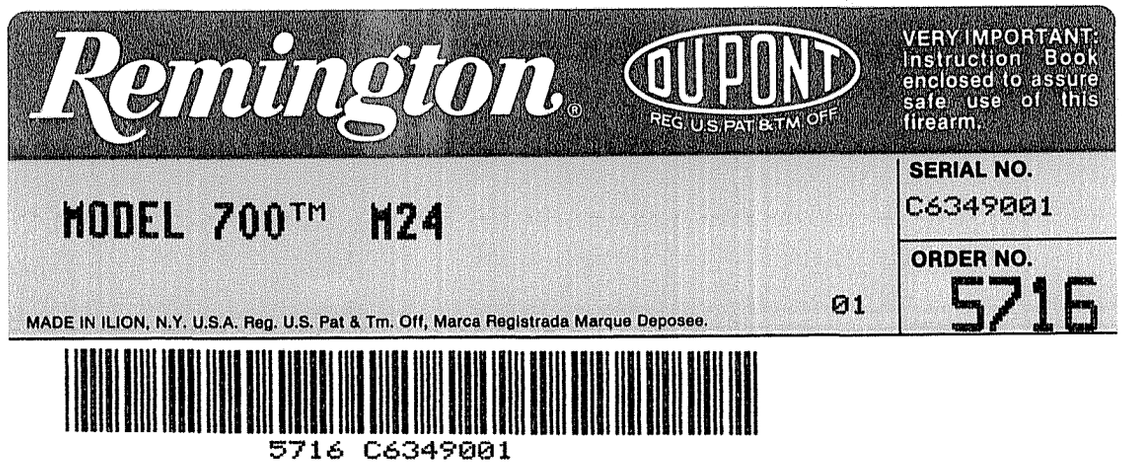
OF SHOTS= 10

# IN CIR
1in = 1
2in = 8
3in = 10

HS= 2.060
VS= 1.492
GS= 2.382

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.057	.713	.603
MINIMUM X	:	-1.003	-.886	-.707
MAXIMUM Y	:	.920	1.004	.972
MINIMUM Y	:	-.572	-.488	-.519
CENTROID X	:	.138	.021	.131
CENTROID Y	:	1.214	1.130	1.161
POA TO CENTROID in.	:	1.222	1.130	1.169
MIN RADIUS	:	.255	.334	.236
MEAN RADIUS	:	.752	.684	.640
MAX RADIUS	:	1.300	1.004	.980
HORIZONTAL SPREAD	:	2.060	1.599	1.310
VERTICAL SPREAD	:	1.492	1.492	1.492
EXTREME SPREAD	:	2.382	1.667	1.565
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

Previous AMR .7944



M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349001

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	90	RW
600	Proof	4 12	90	A
607	Check Headspace	4 12	90	A
610	Dis-assemble Gun	4 12	90	RW
612	Magnaflux Barrel Action	4-19-90		KCR
	Magnaflux Bolt	4-19-90		KCR
615	Rollmark Caliber	4-19-90		GL
617	Drill and Tap Sight Holes		4/23/90	KB
618	Polish Barrel RB		4/24/90	WB
620	Apply Coatings (Barrel Action)		4-30-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/18/90	RW
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/8/90	RW

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/8/90	JH
	G) Safety Off Force	2	2	2			5/8/90	JH
	H) Trigger Pull Test & Retainability						5/8/90	JH
	I) Firing Pin Indent	.0205	.0215	.0213			5/8/90	JH
	J) Assemble Stock						5/8/90	RW
	K) Assemble Swivel Studs						5/10/90	WB
	L) Attach Front and Rear Sight Assemblies						5/8/90	RW
	M) Iron Sight Alignment						5/8/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/8/90	RW
	O) Attach Scope to Rifle						5/8/90	JH
	P) Detach & Attach Scope 20 Times						5/8/90	JH
640	Gallery Target & Test						5-8-90	DH
	A) Time						5-8-90	DH
	B) Malfunctions						5-8-90	DH
	C) Pierced Primers						5-8-90	DH
	D) Optical Clearity of Scope						5-8-90	DH
645	Inspect for Live Ammo						5-8-90	DH
655	Final Inspection A) Headspace						5/10/90	WB
	B) Trigger Pull	2.61	2.57	2.55	2.59	2.59	5/9/90	WB
	C) Function						5/10/90	WB
660	Pack						6-20-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6349001
DATE 5/8/90
TESTER QA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.41	2.34	2.61	MIN. SETTING,
PULL #2	2.45	2.46	2.35	2.57	NO AVG. OF 5
PULL #3	2.41	2.46	2.27	2.55	READINGS ACCEPT-
PULL #4	2.49	2.46	2.32	2.59	ABLE LESS THAN 2#
PULL #5	2.46	2.50	2.34	2.59	
TOTAL	12.33	12.29	11.62		
AVG.	2.466	2.458	2.324		

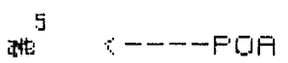
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.33		
PULL #2	3.34	3.35		
PULL #3	3.37	3.35		
PULL #4	3.32	3.34		
PULL #5	3.31	3.38		
TOTAL	16.69	16.75		
AVG.	3.338	3.35		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.17		4.27
PULL #2	4.38	4.36		4.28
PULL #3	4.31	4.40		4.23
PULL #4	4.32	4.37		4.30
PULL #5	4.43	4.42		4.30
TOTAL	21.81	21.72		21.38
AVG.	4.362	4.344		4.276

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349001
9 May 1990

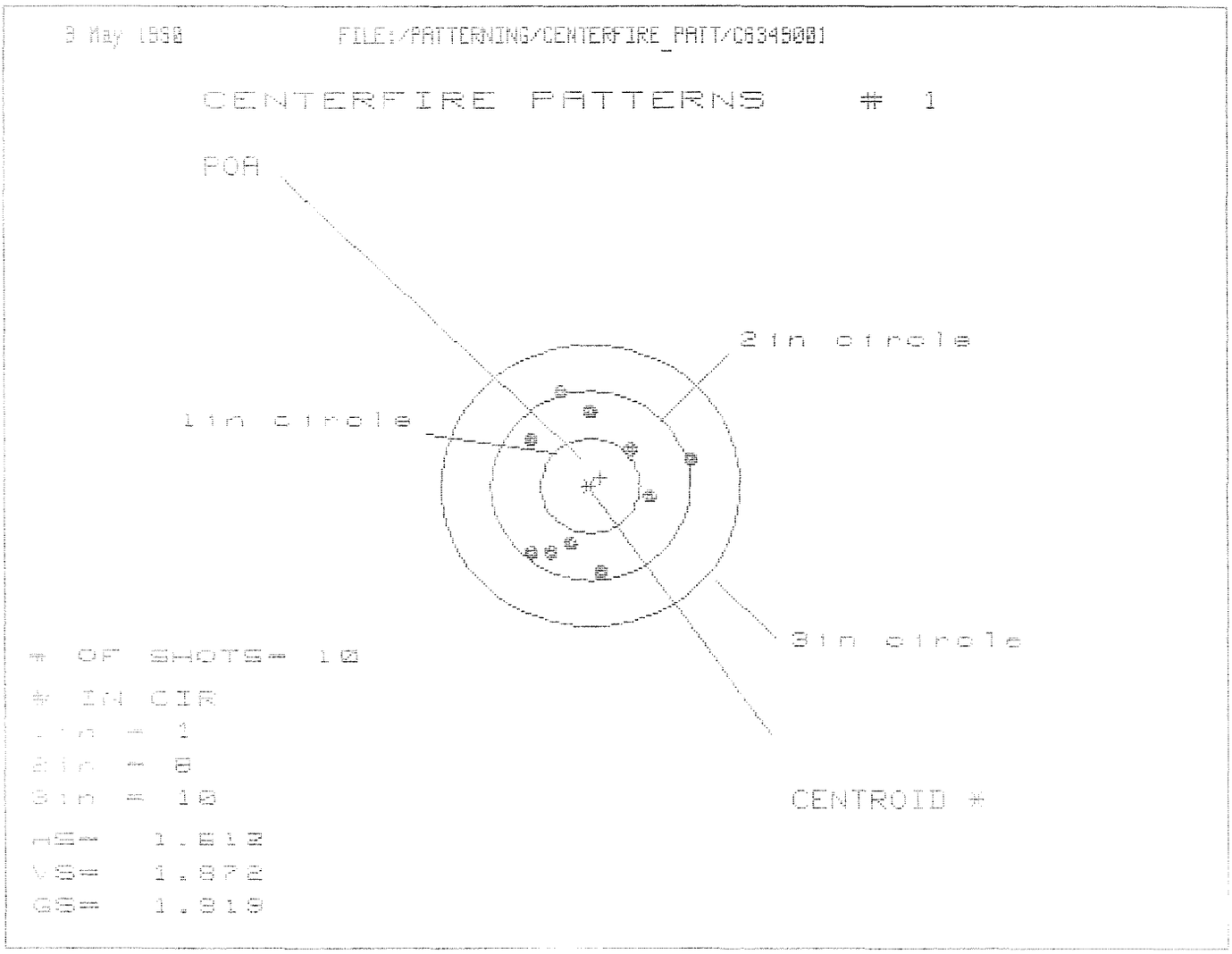
CENTROIDAL DISTANCES

0	TO	1	.134469
1	TO	2	.0821523
1	TO	3	.280321
1	TO	4	.178899
1	TO	5	.692018

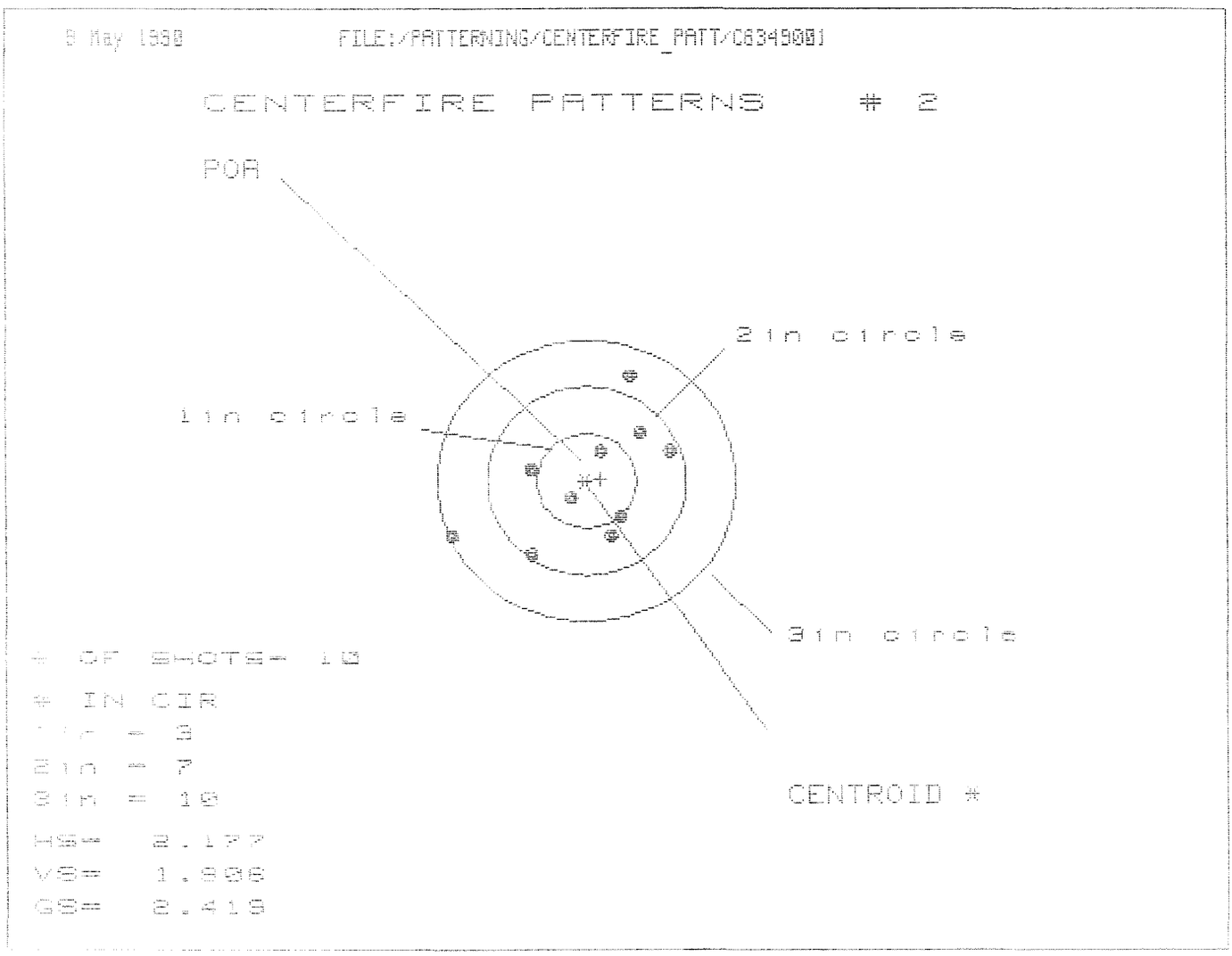


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0722
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0492
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0873698

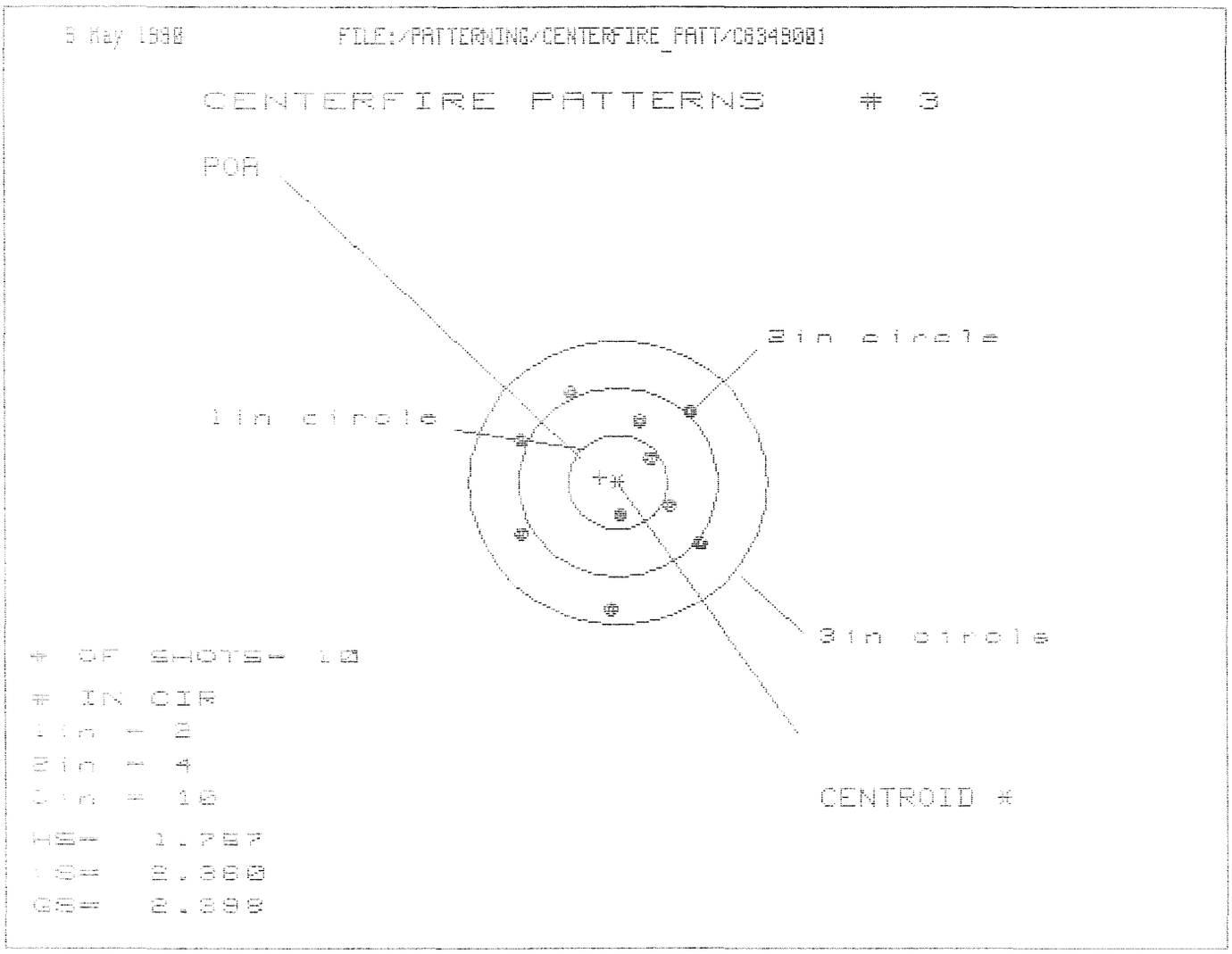
THE AMR FOR THIS RIFLE IS: .7944



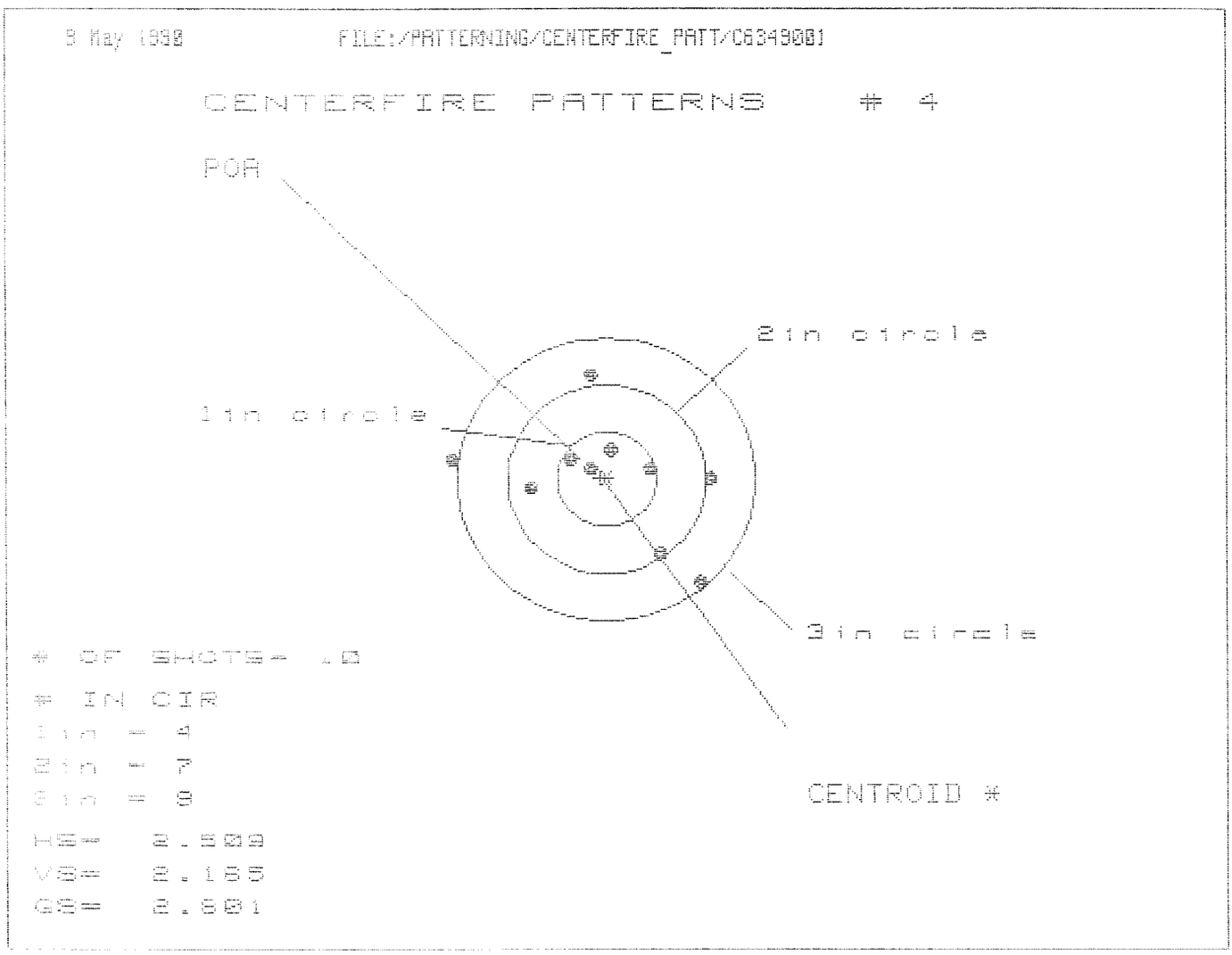
PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.998	.758	.739
MINIMUM X	:	-.614	-.503	-.522
MAXIMUM Y	:	.984	1.021	1.003
MINIMUM Y	:	-.888	-.851	-.723
CENTROID X	:	-.099	-.210	-.191
CENTROID Y	:	-.091	-.128	-.256
POA TO CENTROID in.	:	.135	.246	.319
MIN RADIUS	:	.498	.607	.498
MEAN RADIUS	:	.819	.788	.739
MAX RADIUS	:	1.054	1.034	1.006
HORIZONTAL SPREAD	:	1.612	1.261	1.261
VERTICAL SPREAD	:	1.872	1.872	1.726
EXTREME SPREAD	:	1.919	1.911	1.731
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	



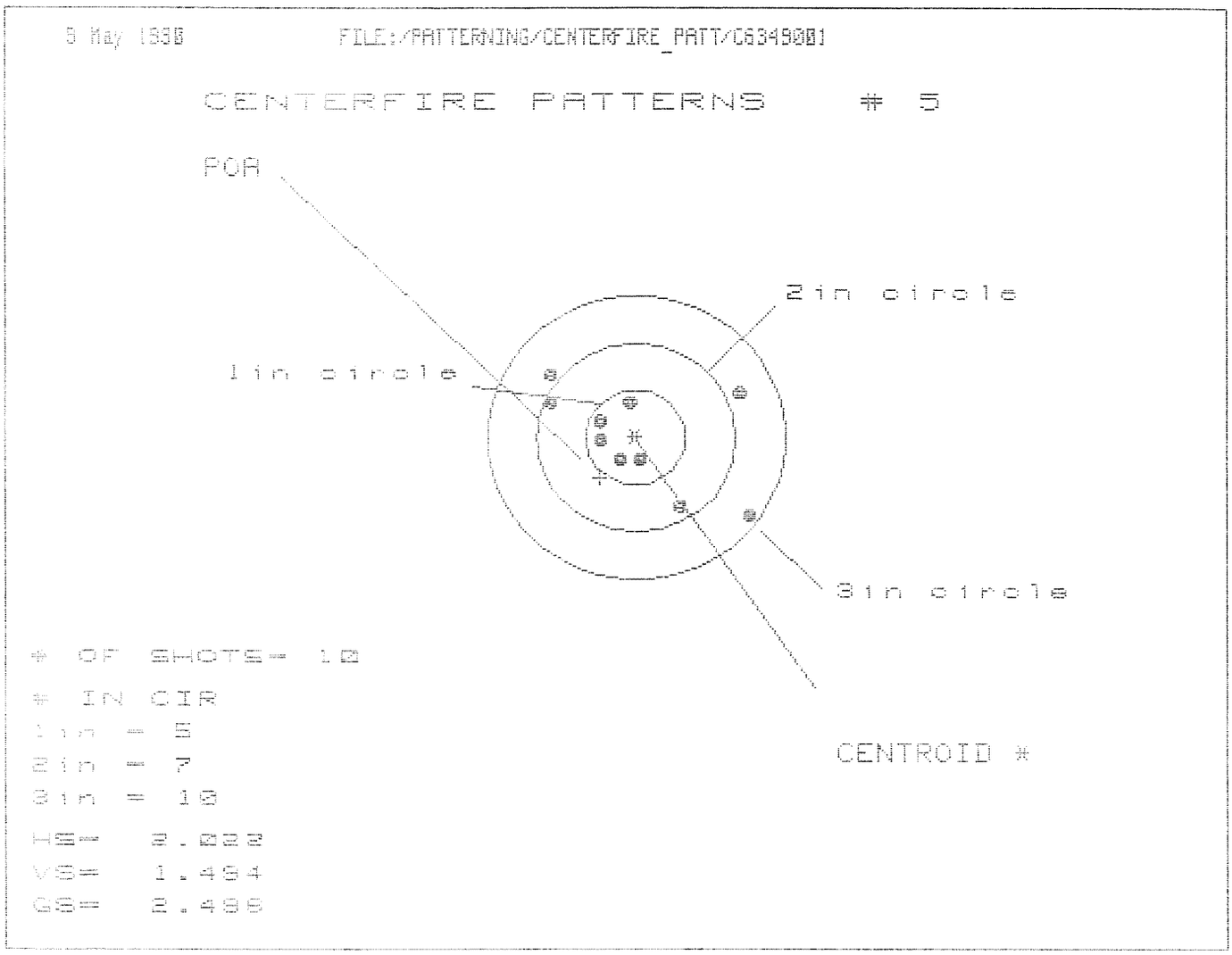
PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.859	.713	.752
MINIMUM X	:	-1.318	-.737	-.698
MAXIMUM Y	:	1.078	1.015	.580
MINIMUM Y	:	-.828	-.891	-.764
CENTROID X	:	-.142	.004	-.035
CENTROID Y	:	-.021	.042	-.085
POA TO CENTROID in.	:	.144	.042	.092
MIN RADIUS	:	.190	.304	.237
MEAN RADIUS	:	.762	.677	.617
MAX RADIUS	:	1.434	1.143	1.022
HORIZONTAL SPREAD	:	2.177	1.450	1.450
VERTICAL SPREAD	:	1.906	1.906	1.344
EXTREME SPREAD	:	2.419	2.165	1.864
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.796	.787	.662
MINIMUM X	:	-.991	-1.000	-1.075
MAXIMUM Y	:	.978	.824	.733
MINIMUM Y	:	-1.382	-.810	-.901
CENTROID X	:	.179	.188	.313
CENTROID Y	:	-.055	.099	.190
POA TO CENTROID in.	:	.187	.212	.366
MIN RADIUS	:	.301	.325	.174
MEAN RADIUS	:	.872	.802	.717
MAX RADIUS	:	1.384	1.236	1.118
HORIZONTAL SPREAD	:	1.787	1.787	1.737
VERTICAL SPREAD	:	2.360	1.634	1.634
EXTREME SPREAD	:	2.398	2.166	2.086
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	9
MAXIMUM X	:	.996	.828	.927
MINIMUM X	:	-1.513	-.912	-.813
MAXIMUM Y	:	1.068	1.093	.959
MINIMUM Y	:	-1.097	-1.072	-.908
CENTROID X	:	.062	.230	.131
CENTROID Y	:	-.013	-.038	.096
POA TO CENTROID in.	:	.063	.233	.163
MIN RADIUS	:	.217	.275	.161
MEAN RADIUS	:	.813	.737	.625
MAX RADIUS	:	1.529	1.332	1.026
HORIZONTAL SPREAD	:	2.509	1.740	1.740
VERTICAL SPREAD	:	2.165	2.165	1.867
EXTREME SPREAD	:	2.801	2.451	2.007
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.135	1.181	.724
MINIMUM X	:	-.887	-.761	-.613
MAXIMUM Y	:	.636	.541	.589
MINIMUM Y	:	-.858	-.801	-.753
CENTROID X	:	.361	.335	.087
CENTROID Y	:	.426	.521	.473
POA TO CENTROID in.	:	.558	.571	.481
MIN RADIUS	:	.214	.229	.087
MEAN RADIUS	:	.706	.598	.484
MAX RADIUS	:	1.423	1.243	1.045
HORIZONTAL SPREAD	:	2.022	1.942	1.337
VERTICAL SPREAD	:	1.494	1.342	1.342
EXTREME SPREAD	:	2.496	1.944	1.879
NUMBER IN ONE INCH CIRCLE	=	5		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		