C6523431

MODEL 700™ M24

Model SWS ™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

BARBER - M24 0027941

BARBER - M24 0027980

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

RECEIVING AND ESTIMATING REPORT

COMMENTS

W/10X SCOPE,M-24 SNIPER,W/DEPLOYMENT KIT
ATTN: FRED MARTIN Scope S/N 90 0327

ORDER R 94-18380

INITIAL	CUSTOMER ORDER NO.
FDC	DAAA09-92-C-0834

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
06/11/94	06/11/94		C6523431		700 7.62 NATO

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

FROM:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

CUST NO:098397 C.O.D

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

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
- ✓ Barrel
- ✓ Stock
- ✓ Trigger Assy
- ✓ Firing Pin Assy
- Front & Rear Sight Assy

COMMENTS

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
GALLERY TESTER	DATE	DATE	DATE 5/18/96	DATE 5/18/96	DATE

OFFICE COPY

RD6925 REV. 1/94

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523431
DATE 5-17-96
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.34	2.62		MIN. SETTING,
PULL #2	2.69	2.88	2.56		NO AVG. OF 5
PULL #3	2.84	2.53	2.57		READINGS ACCEPT-
PULL #4	2.41	2.77	2.62		ABLE LESS THAN 2#
PULL #5	2.79	2.48	2.61		
TOTAL	13.16	13.00	12.98		
AVG.	2.63	2.60	2.59		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.15	3.00		
PULL #2	3.15	2.94		
PULL #3	3.03	2.95		
PULL #4	3.27	3.39		
PULL #5	3.00	3.08		
TOTAL	15.60	15.36		
AVG.	3.12	3.07		

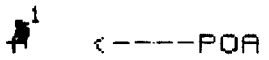
	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.27		4.23
PULL #2	4.14	4.05		4.23
PULL #3	4.11	4.19		4.23
PULL #4	4.28	4.19		4.17
PULL #5	4.46	4.20		4.18
TOTAL	21.23	20.90		21.04
AVG.	4.24	4.18		4.20

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523431
27 Mar 1900

CENTROIDAL DISTANCES

0	TO	1	.693831
1	TO	2	.390579
1	TO	3	.391247
1	TO	4	.544541
1	TO	5	.322593

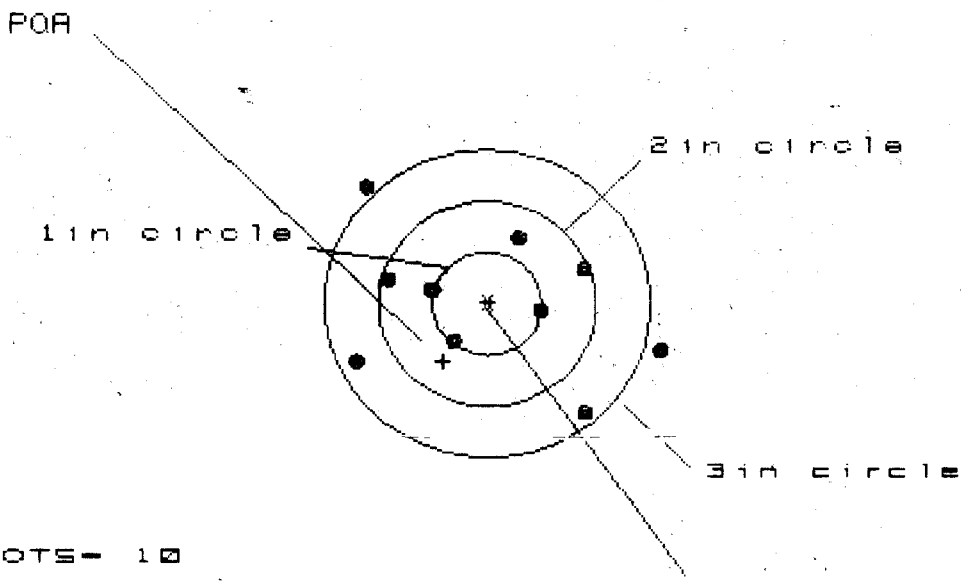


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2252
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2922
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .368912

THE AMR FOR THIS RIFLE IS: .9316

27 Mar 1900 FILE:/PATTERNING/CENTERFIRE_PATT/C6523431

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

# IN CIR
1in = 1
2in = 6
3in = 8

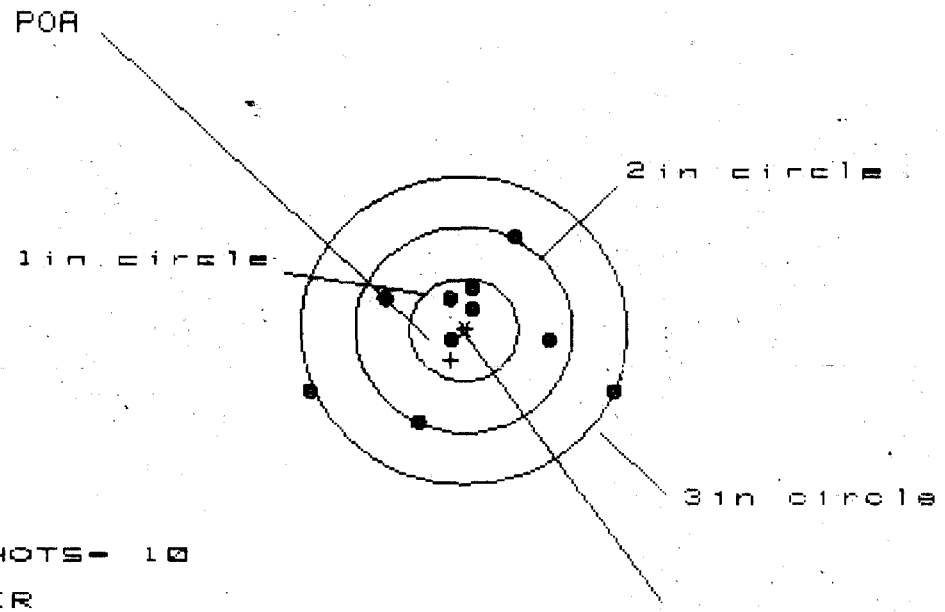
HS= 2.758
VS= 2.199
GS= 3.096

PATTERN # : [redacted]

SHOTS (BEST OF) :	10	9	8
MAXIMUM X :	1.556	1.025	.906
MINIMUM X :	-1.202	-1.029	-1.148
MAXIMUM Y :	1.125	1.079	.720
MINIMUM Y :	-1.074	-1.120	-.985
CENTROID X :	.411	.238	.357
CENTROID Y :	.559	.605	.470
POA TO CENTROID in.:	.693	.650	.590
MIN RADIUS :	.459	.362	.359
MEAN RADIUS :	.999	.913	.845
MAX RADIUS :	1.611	1.516	1.336
HORIZONTAL SPREAD :	2.758	2.054	2.054
VERTICAL SPREAD :	2.199	2.199	1.705
EXTREME SPREAD :	3.096	2.958	2.270
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

27 Mar 1900 FILE:/PATTERNING/CENTERFIRE_PATT/C6523431

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

# IN CIR
1in = 4
2in = 8
3in = 9

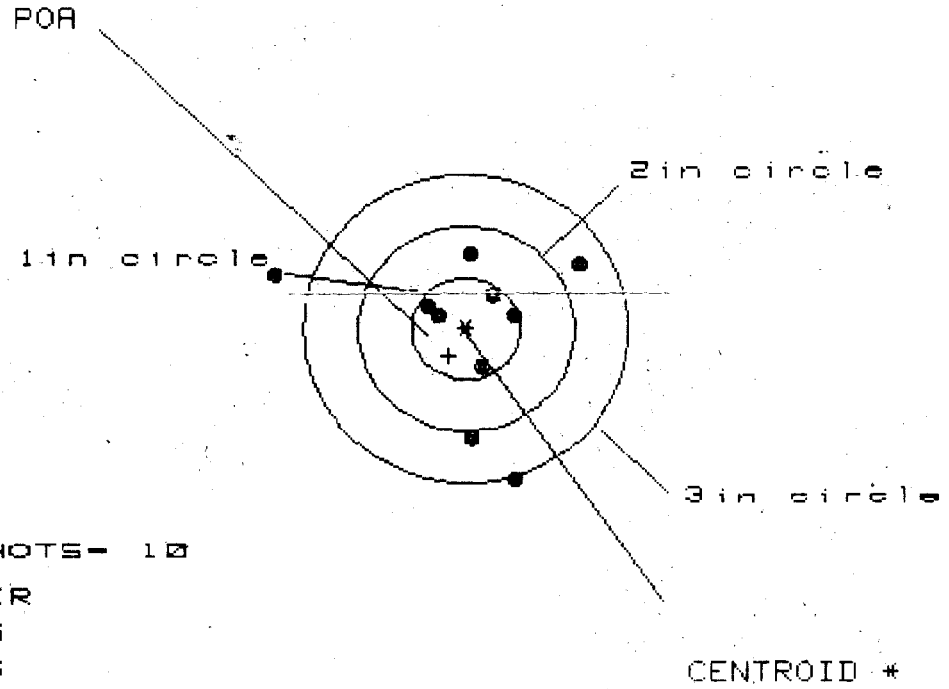
HS= 2.743
VS= 1.773
GS= 2.744

PATTERN # : [redacted]

SHOTS (BEST OF) :	10	9	8
MAXIMUM X :	1.330	1.173	.802
MINIMUM X :	-1.413	-.893	-.746
MAXIMUM Y :	.896	.827	.750
MINIMUM Y :	-.877	-.946	-1.023
CENTROID X :	.125	.282	.135
CENTROID Y :	.293	.362	.439
POA TO CENTROID in.:	.318	.459	.459
MIN RADIUS :	.108	.183	.118
MEAN RADIUS :	.770	.678	.554
MAX RADIUS :	1.544	1.325	1.096
HORIZONTAL SPREAD :	2.743	2.066	1.548
VERTICAL SPREAD :	1.773	1.773	1.773
EXTREME SPREAD :	2.744	2.239	1.954
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

27 Mar 1900 FILE:/PATTERNING/CENTERFIRE_PATT/C6523431

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

# IN CIR
1in = 5
2in = 6
3in = 9

HS= 2.765
VS= 2.211
GS= 2.931

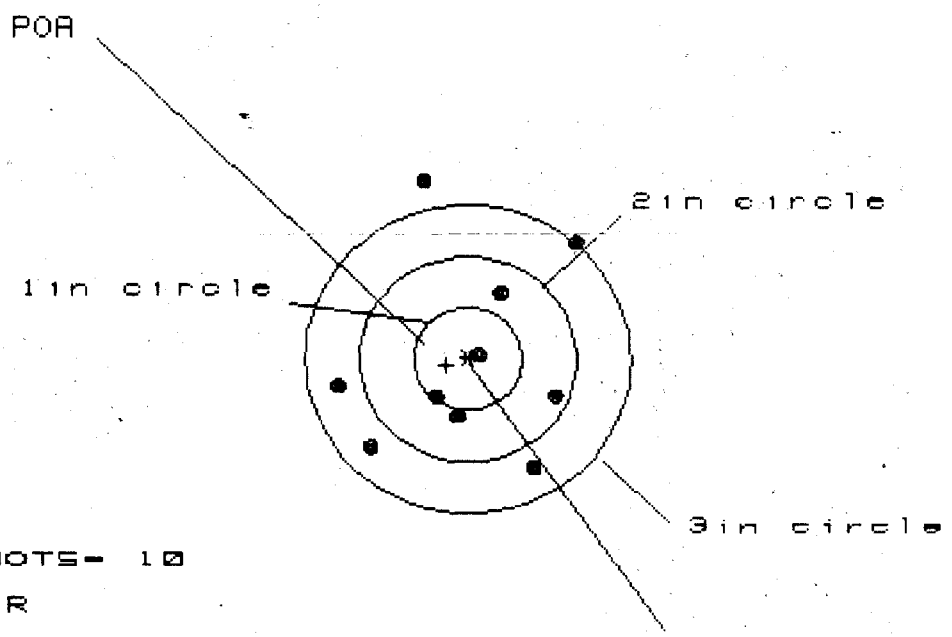
PATTERN # : [redacted]

SHOTS (BEST OF) :	10	9	8
MAXIMUM X :	1.000	.804	.833
MINIMUM X :	-1.765	-.579	-.550
MAXIMUM Y :	.777	.834	.662
MINIMUM Y :	-1.434	-1.377	-1.156
CENTROID X :	.154	.350	.321
CENTROID Y :	.264	.207	.379
POA TO CENTROID in.:	.306	.407	.497
MIN RADIUS :	.265	.300	.220
MEAN RADIUS :	.839	.722	.603
MAX RADIUS :	1.838	1.396	1.160
HORIZONTAL SPREAD :	2.765	1.383	1.383
VERTICAL SPREAD :	2.211	2.211	1.818
EXTREME SPREAD :	2.931	2.244	1.954

NUMBER IN ONE INCH CIRCLE = 5
NUMBER IN TWO INCH CIRCLE = 6
NUMBER IN THREE INCH CIRCLE = 9

27 Mar 1900 FILE:/PATTERNING/CENTERFIRE_PATT/C6523431

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

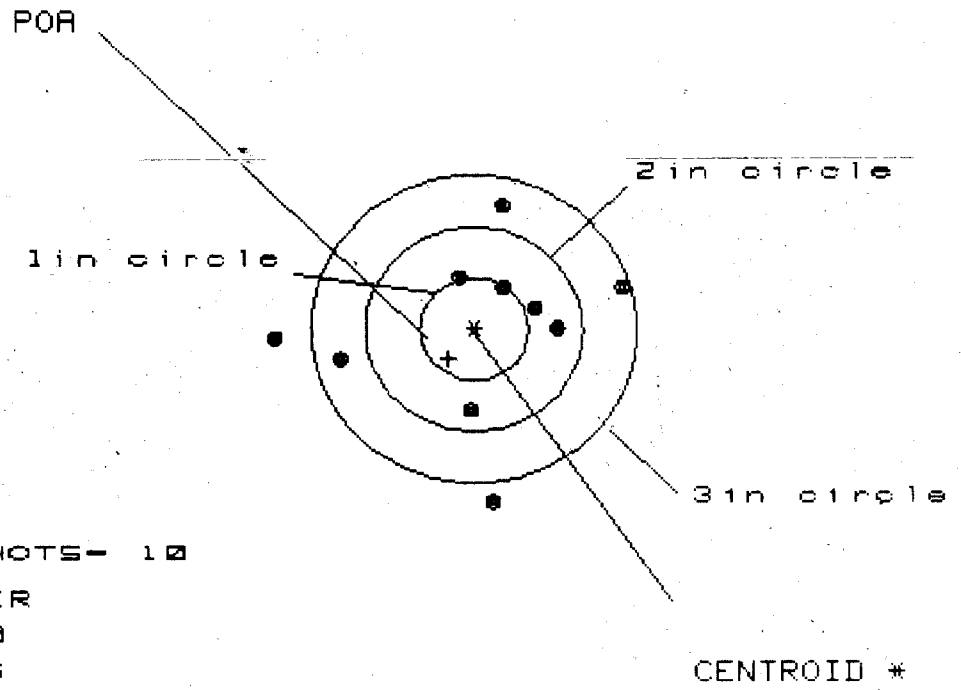
# IN CIR
1in = 2
2in = 5
3in = 8

HS= 2.189
VS= 2.891
GS= 3.075

PATTERN #	:	[redacted]	
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.038	.989	.830
MINIMUM X	:	-1.151	-1.200	-1.077
MAXIMUM Y	:	1.790	1.302	1.014
MINIMUM Y	:	-1.101	-.902	-.739
CENTROID X	:	.200	.249	.126
CENTROID Y	:	.057	-.142	-.305
POA TO CENTROID in.	:	.208	.287	.330
MIN RADIUS	:	.098	.262	.193
MEAN RADIUS	:	.976	.855	.727
MAX RADIUS	:	1.844	1.635	1.098
HORIZONTAL SPREAD	:	2.189	2.189	1.907
VERTICAL SPREAD	:	2.891	2.204	1.753
EXTREME SPREAD	:	3.075	2.748	1.954
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

27 Mar 1900 FILE:/PATTERNING/CENTERFIRE_PATT/C6523431

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

# IN CIR
1in = 0
2in = 5
3in = 8

HS= 3.266
VS= 2.826
GS= 3.303

PATTERN #	:	[redacted]	
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.389	1.180	1.169
MINIMUM X	:	-1.877	-1.490	-1.501
MAXIMUM Y	:	1.167	1.162	.954
MINIMUM Y	:	-1.659	-1.664	-.998
CENTROID X	:	.236	.445	.456
CENTROID Y	:	.288	.293	.501
POA TO CENTROID in.	:	.372	.532	.678
MIN RADIUS	:	.504	.433	.238
MEAN RADIUS	:	1.074	.946	.804
MAX RADIUS	:	1.878	1.666	1.587
HORIZONTAL SPREAD	:	3.266	2.670	2.670
VERTICAL SPREAD	:	2.826	2.826	1.952
EXTREME SPREAD	:	3.303	2.830	2.774
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523431

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
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			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

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KINZER V. REMINGTON

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			5/29/96	[illegible]
	G) Safety Off Force	3	3	3			5/29/96	[illegible]
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.023	.023	.023			5/29/96	[illegible]
	J) Assemble Stock							
	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							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clearity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection A) Headspace							
	B) Trigger Pull	2.53	2.63	2.68	2.60	2.58	5/29/96	WS
	C) Function							
660	Pack							

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KINZER V. REMINGTON

Remington®

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

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

MODEL 700™ M24

SERIAL NO. C6523431

ORDER NO. 5716

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee. 20

5716 C6523431

UPC

0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523431

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 9	90	RW
600	Proof	10 9	90	RW
607	Check Headspace	10 9	90	RW
610	Dis-assemble Gun	10 9	90	RW
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		10/17/90	KR
615	Rollmark Caliber		10/17/90	LL
617	Drill and Tap Sight Holes		10/18/90	KB
618	Polish Barrel KB		10/19/90	KB
620	Apply Coatings (Barrel Action)		11-5-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	RW
	C) Inspect Ejector Hole for Chamfer		11/12/90	RW
	D) Oil Firing Pin Ass'y		11/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/29/90	[illegible]

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	~~3.0~~ 4	~~3.25~~ 4	~~3.0~~ 4	12/3/90 11/29/90	WB LT
	G) Safety Off Force	~~2.25~~ 2	~~2.00~~ 2	~~2.25~~ 2	12/3/90 11/29/90	WB LT
	H) Trigger Pull Test & Retainability				11/29/90	[illegible]
	I) Firing Pin Indent	.023	.022	.022	12/3/90	WB
	J) Assemble Stock				12/5/90	RW
	K) Assemble Swivel Studs				12-6-90	[illegible]
	L) Attach Front and Rear Sight Assemblies				12/5/90	RW
	M) Iron Sight Alignment				12/5/90	RW
	N) Detach Front & Rear Sights & place in numbered container				12/5/90	RW
	O) Attach Scope to Rifle				12/5/90	RW
	P) Detach & Attach Scope 20 Times				12/5/90	RW
640	Gallery Target & Test				12/5/90	[illegible]
	A) Time				"	[illegible]
	B) Malfunctions				"	[illegible]
	C) Pierced Primers				"	[illegible]
	D) Optical Clearity of Scope				"	[illegible]
645	Inspect for Live Ammo				12/5/90	[illegible]
655	Final Inspection A) Headspace				12-6-90	[illegible]
	B) Trigger Pull	298	291	289 293 292	12-6-90	[illegible]
	C) Function				12-6-90	[illegible]
660	Pack				12/19/90	[illegible]

SWS TRIGGER PULL TEST

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

SERIAL NO. CC523431
DATE 11-29-90
TESTER JG

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.16	2.41	298	MIN. SETTING,
PULL #2	2.13	2.32	2.47	291	NO AVG. OF 5
PULL #3	2.23	2.28	2.22	289	READINGS ACCEPT-
PULL #4	2.47	2.20	2.46	293	ABLE LESS THAN 2#
PULL #5	2.12	2.20	2.37	292	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.42		
PULL #2	3.35	3.31		
PULL #3	3.19	3.29		
PULL #4	3.29	3.32		
PULL #5	3.22	3.32		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	~~RESET TO 4#~~ FOR TARGET & ACCURACY
PULL #1	4.18	4.26		4.44
PULL #2	4.38	4.39		4.34
PULL #3	4.32	4.37		4.42
PULL #4	4.28	4.32		4.38
PULL #5	4.12	4.36		4.22
TOTAL				
AVG.				

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

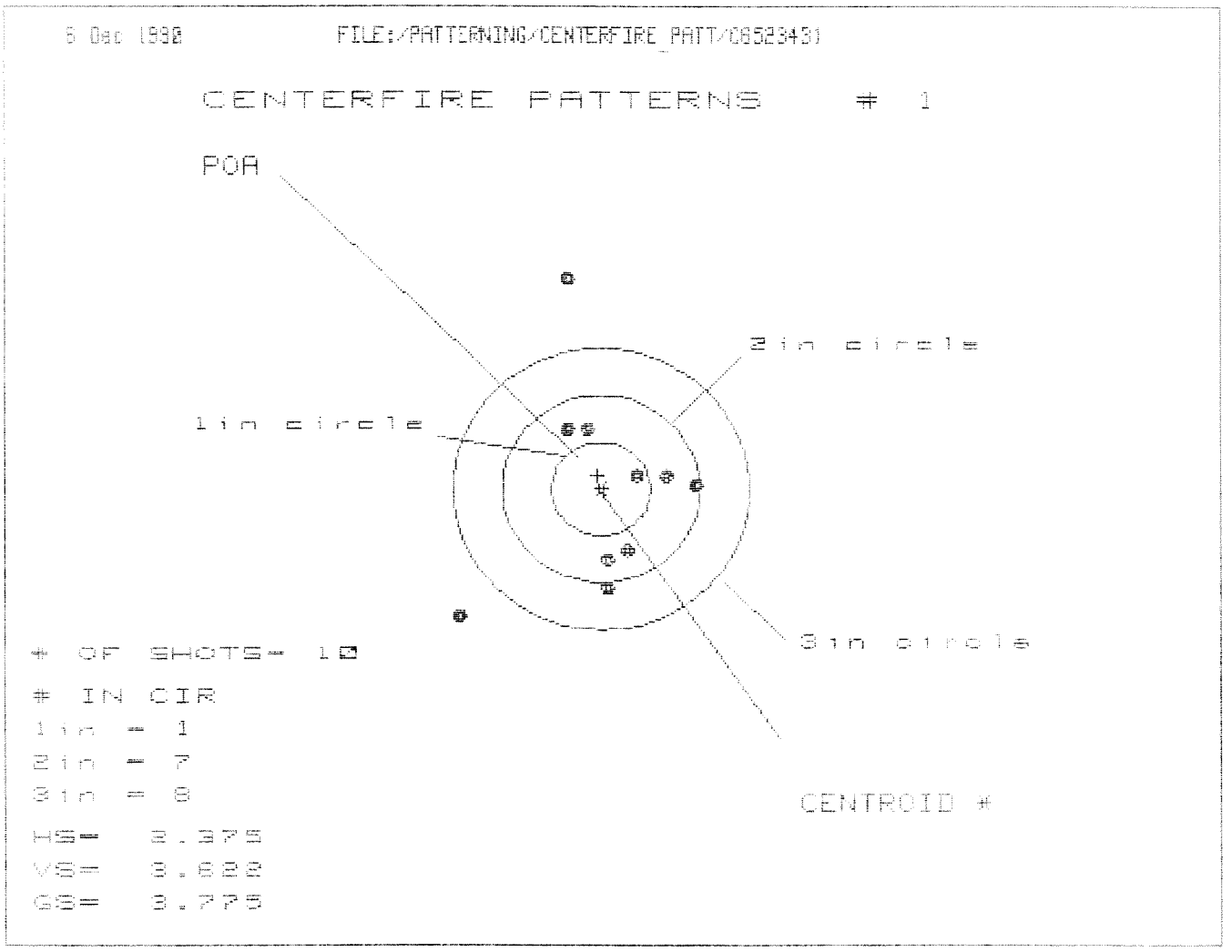
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523431
6 Dec 1990

CENTROIDAL DISTANCES

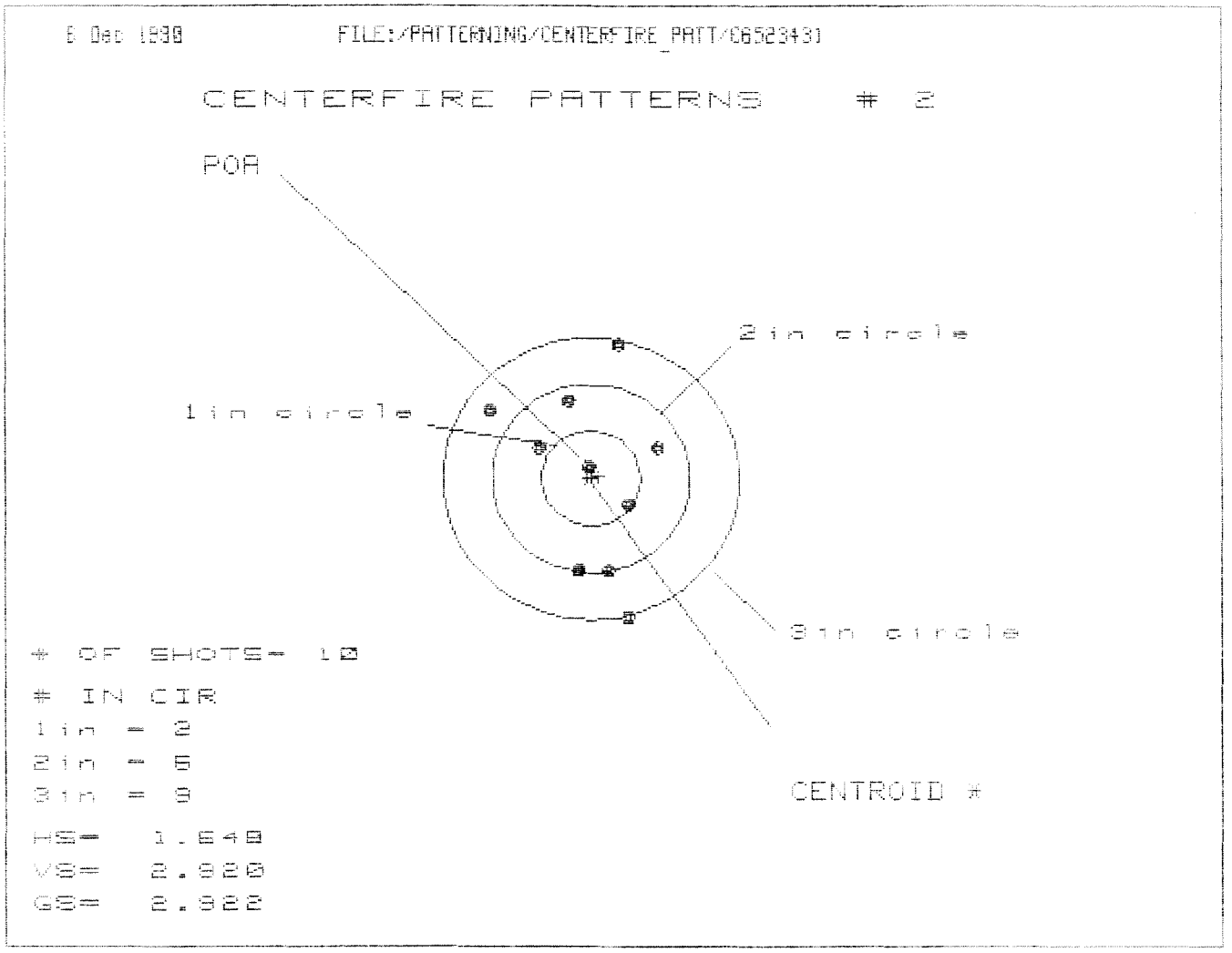
0	TO	1	.148432
1	TO	2	.162733
1	TO	3	.332381
1	TO	4	.134837
1	TO	5	.288716

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0598
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0124
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0610721

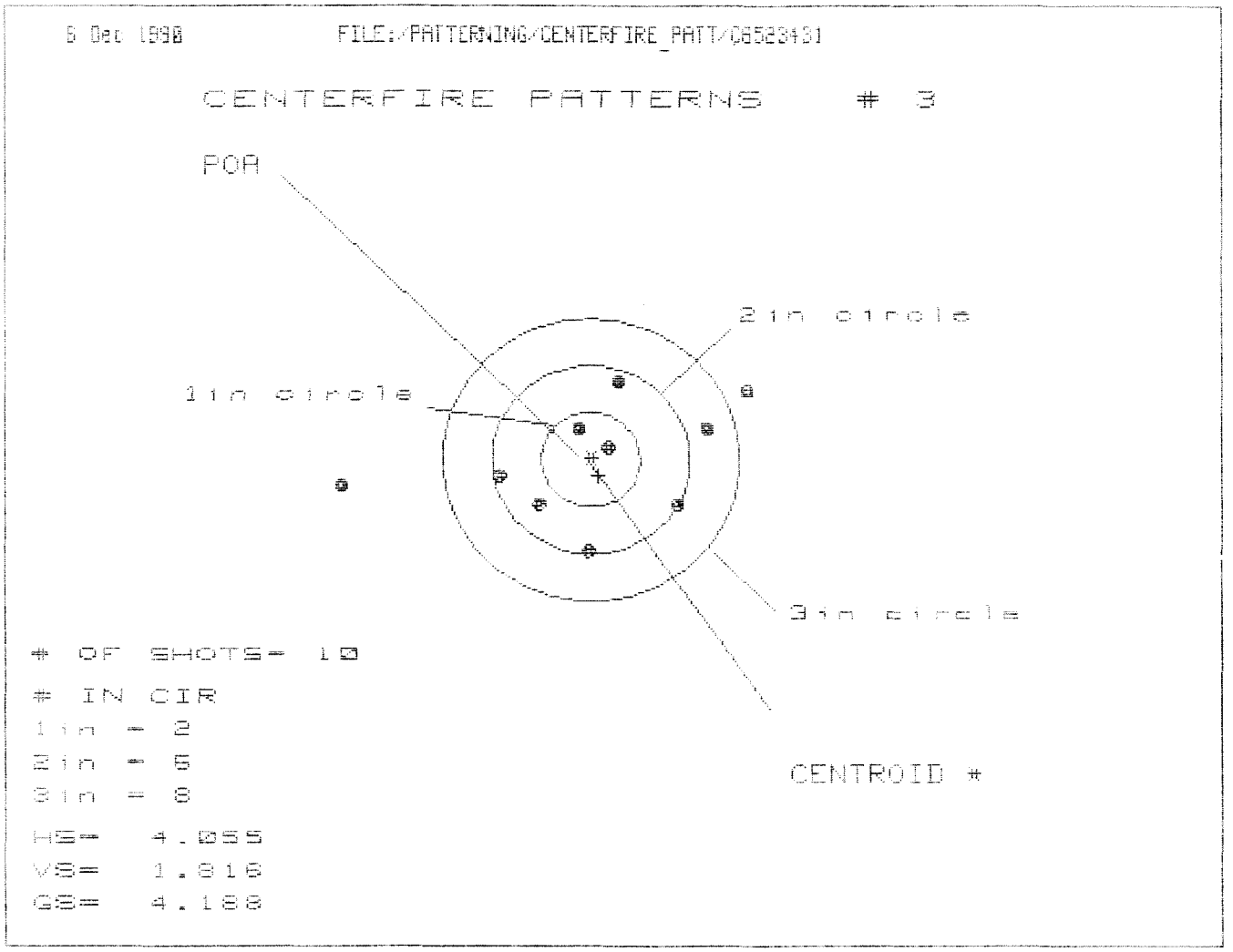
THE AMP FOR THIS RIFLE IS: 1.088



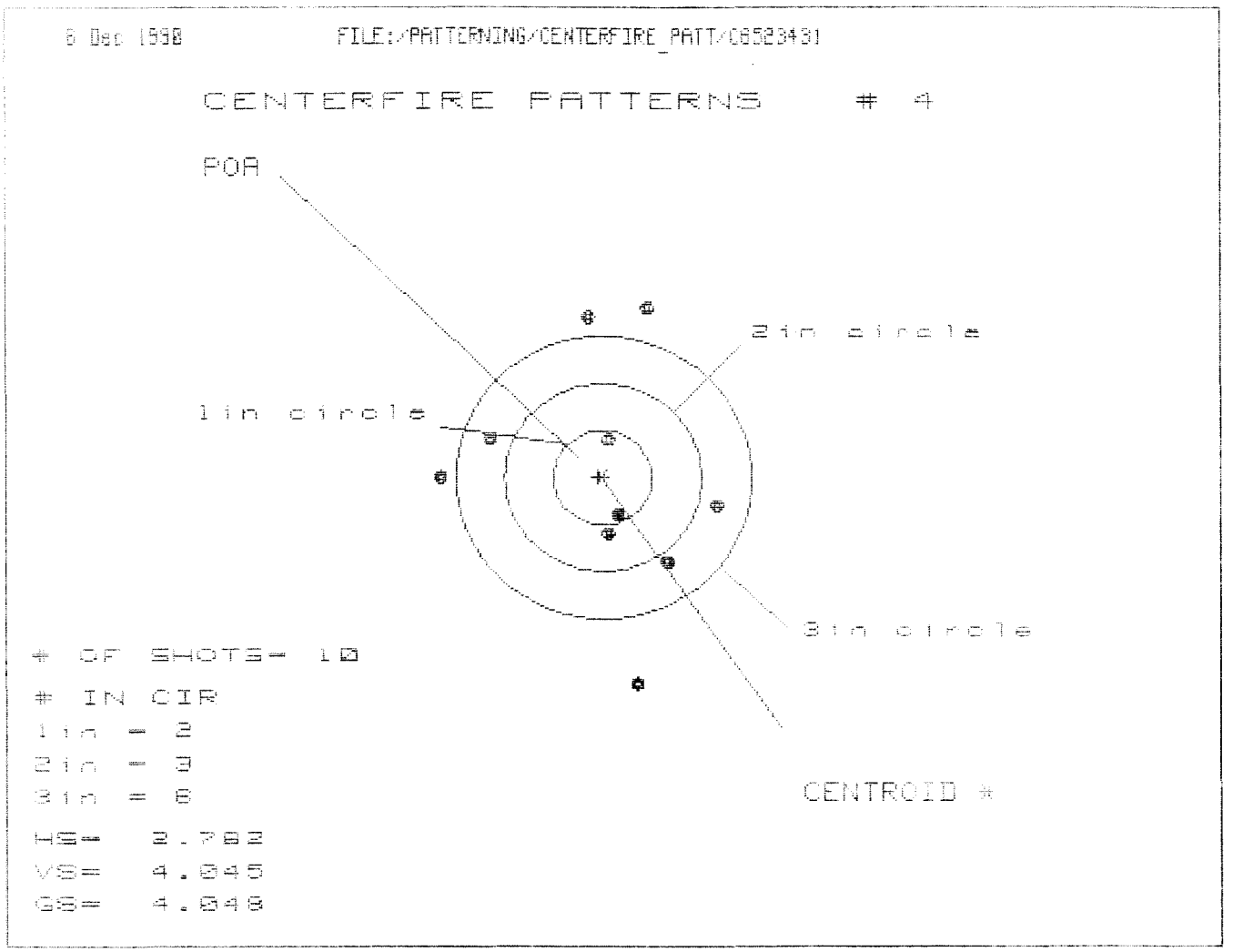
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.964	.925	.744
MINIMUM X	:	-1.411	-1.450	-.577
MAXIMUM Y	:	2.250	.918	.778
MINIMUM Y	:	-1.372	-1.122	-.984
CENTROID X	:	.036	.074	.255
CENTROID Y	:	-.144	-.394	-.254
POA TO CENTROID in.	:	.149	.401	.360
MIN RADIUS	:	.336	.427	.245
MEAN RADIUS	:	1.017	.855	.690
MAX RADIUS	:	2.277	1.833	1.000
HORIZONTAL SPREAD	:	2.375	2.375	1.321
VERTICAL SPREAD	:	3.622	2.040	1.762
EXTREME SPREAD	:	3.775	2.784	1.776
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	



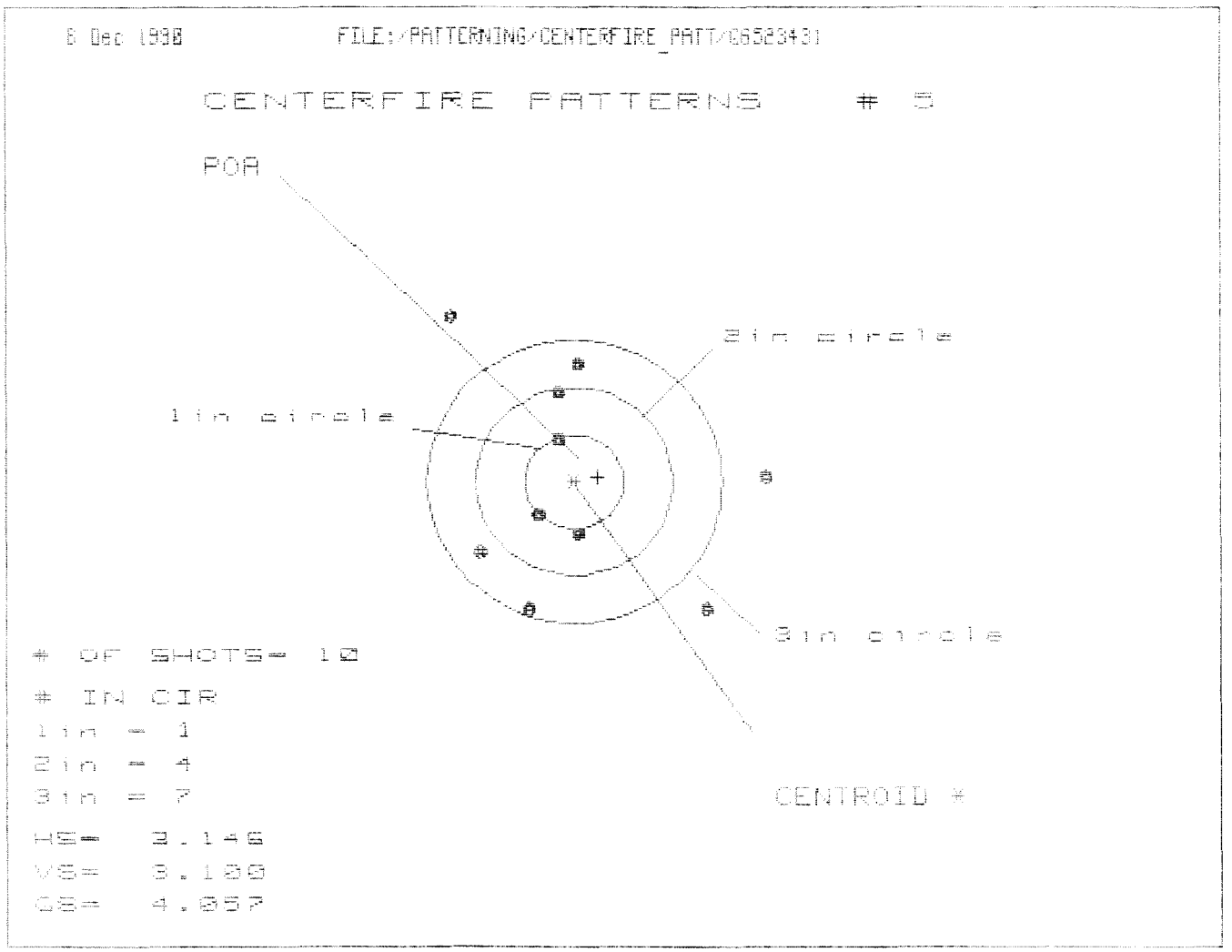
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.645	.692	.738
MINIMUM X	:	-1.003	-.956	-.910
MAXIMUM Y	:	1.427	1.261	.802
MINIMUM Y	:	-1.493	-1.186	-1.029
CENTROID X	:	-.075	-.122	-.168
CENTROID Y	:	-.025	.140	-.017
POA TO CENTROID in.	:	.080	.186	.168
MIN RADIUS	:	.136	.056	.109
MEAN RADIUS	:	.900	.808	.745
MAX RADIUS	:	1.552	1.312	1.178
HORIZONTAL SPREAD	:	1.648	1.648	1.648
VERTICAL SPREAD	:	2.920	2.447	1.831
EXTREME SPREAD	:	2.922	2.479	2.048
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	3	
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.555	1.277	1.062
MINIMUM X	:	-2.500	-1.234	-1.074
MAXIMUM Y	:	.824	.794	.887
MINIMUM Y	:	-.992	-1.022	-.929
CENTROID X	:	-.073	.205	.045
CENTROID Y	:	.170	.200	.107
POA TO CENTROID in.	:	.185	.286	.116
MIN RADIUS	:	.233	.115	.198
MEAN RADIUS	:	1.056	.873	.788
MAX RADIUS	:	2.515	1.478	1.144
HORIZONTAL SPREAD	:	4.055	2.511	2.136
VERTICAL SPREAD	:	1.816	1.816	1.816
EXTREME SPREAD	:	4.188	2.669	2.192
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.174	1.207	1.270
MINIMUM X	:	-1.608	-1.575	-1.512
MAXIMUM Y	:	1.858	1.615	1.632
MINIMUM Y	:	-2.187	-1.163	-.962
CENTROID X	:	.051	.018	-.045
CENTROID Y	:	-.010	.233	.032
POA TO CENTROID in.	:	.052	.234	.055
MIN RADIUS	:	.407	.177	.388
MEAN RADIUS	:	1.238	1.130	1.040
MAX RADIUS	:	2.208	1.691	1.633
HORIZONTAL SPREAD	:	2.782	2.782	2.782
VERTICAL SPREAD	:	4.045	2.778	2.594
EXTREME SPREAD	:	4.048	2.806	2.791
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.903	1.765	1.920
MINIMUM X	:	-1.243	-1.075	-.920
MAXIMUM Y	:	1.705	1.417	1.266
MINIMUM Y	:	-1.395	-1.206	-1.273
CENTROID X	:	-.238	-.100	-.255
CENTROID Y	:	-.053	-.242	-.092
POA TO CENTROID in.	:	.244	.262	.271
MIN RADIUS	:	.454	.365	.485
MEAN RADIUS	:	1.227	1.132	1.021
MAX RADIUS	:	2.110	1.778	1.921
HORIZONTAL SPREAD	:	3.146	2.840	2.840
VERTICAL SPREAD	:	3.100	2.623	2.539
EXTREME SPREAD	:	4.057	2.966	2.939
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	