C662166
MODEL 700™ M24
Model 5/45™
Action
Barrel Length
Capacity
Order No. 5716
*Includes 1 in chamber.
Remington

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: RE00102783
Verify Repair

Serial: C6522166 Model: M24 SWS Center Fire Caliber: 7.62 NATO

Repairman:
Status: Closed 10/26/2005 8:45:58 AM

Address Information

Customer (Received From)		Return To (Received From)	
Name:	PR W7LZ CAMP SHELBY DET 57		PR W7LZ CAMP SHELBY DET 57
Address 1:	OEF TRAINING BDE ROTATION		OEF TRAINING BDE ROTATION
Address 2:	BLDG 6520 WAREHOUSE AVE PO Box:		BLDG 6520 WAREHOUSE AVE PO Box:
City:	CAMP SHELBY		CAMP SHELBY
State:	MS Zip Code: 39407 Country: US	State:	MS Zip Code: 39407 Country: US

FFL:

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

Contact Information

Phone: 601 558 4593
Fax:
Email:
Comments:

Received Condition

Fair
Condition Notes:
CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A055	Deployment Kit	1
A057	Frt and Rear Sgt Base	1

Repair Search | Refresh | Close

naglelj | 10/26/2005 | 9:50 AM | CAPS | NUM | INS | SCRL

start

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522166.__0
FILE DATE AND TIME: 11/28/2005 14:26

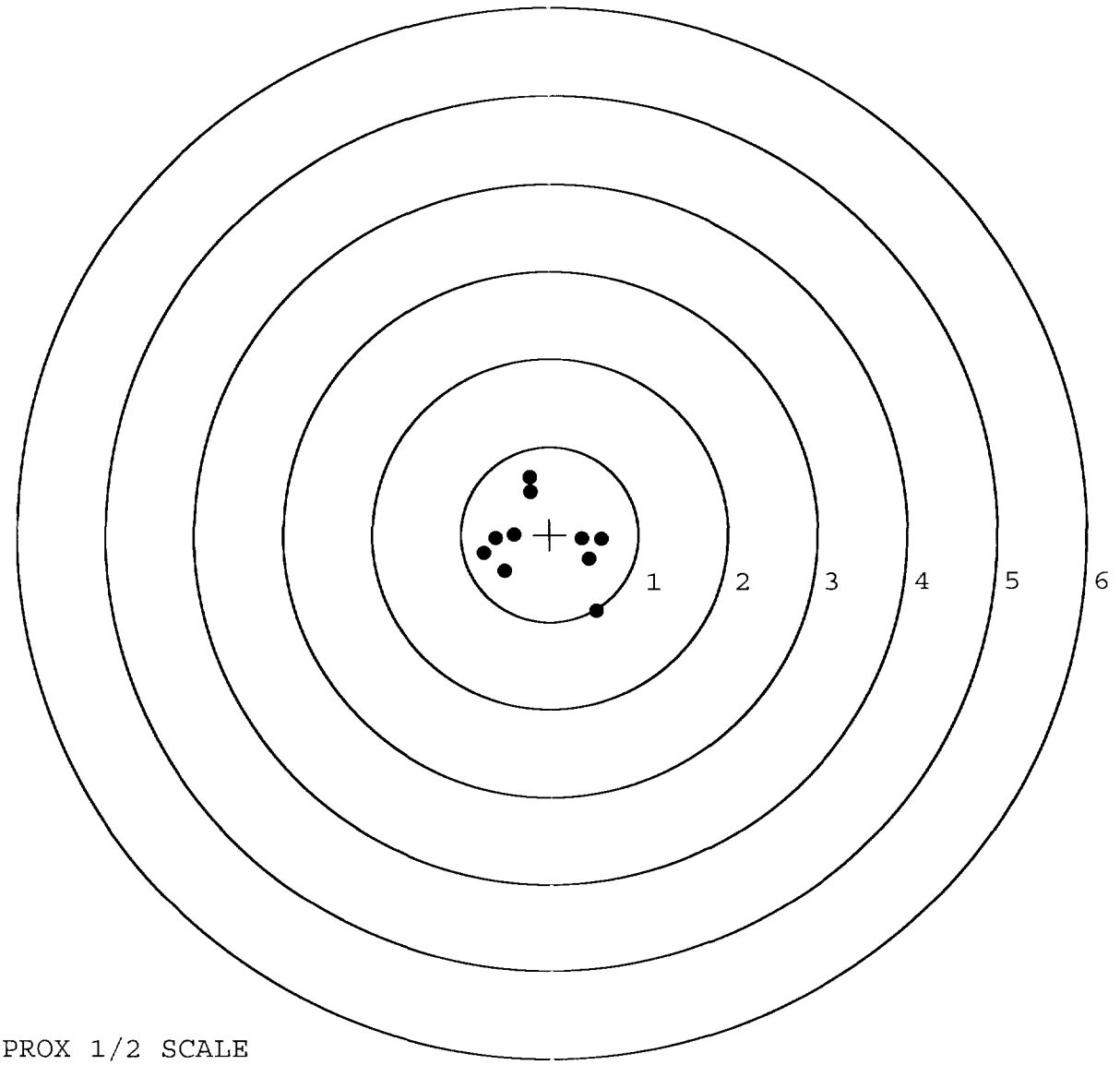
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.022
The Average Y Centroid of the Five Target Set:	-0.053
The Average Point of Impact of the Five Target Set:	0.058
The Average Mean Radius of the Five Target Set:	0.667
The Distance from POA to Centroid Target #1:	0.114
The Distance from Centroid Target #2 to Centroid Target #1:	0.164
The Distance from Centroid Target #3 to Centroid Target #1:	0.076
The Distance from Centroid Target #4 to Centroid Target #1:	0.114
The Distance from Centroid Target #5 to Centroid Target #1:	0.063

SERIAL NUMBER: C6522166.__0
TARGET NUMBER: 1
FILE DATE: 11/28/2005
FILE TIME: 14:26

X CENTROID:	-0.080
Y CENTROID:	-0.081
POA TO CENTROID:	0.114
HORZ SPREAD:	1.329
VERT SPREAD:	1.535
GROUP SPREAD:	1.709
MIN RADIUS:	0.331
MAX RADIUS:	1.000
MEAN RADIUS:	0.611
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.522	-0.880
2:	0.444	-0.289
3:	0.583	-0.056
4:	0.366	-0.048
5:	-0.223	0.493
6:	-0.229	0.655
7:	-0.401	-0.001
8:	-0.508	-0.426
9:	-0.746	-0.217
10:	-0.607	-0.041

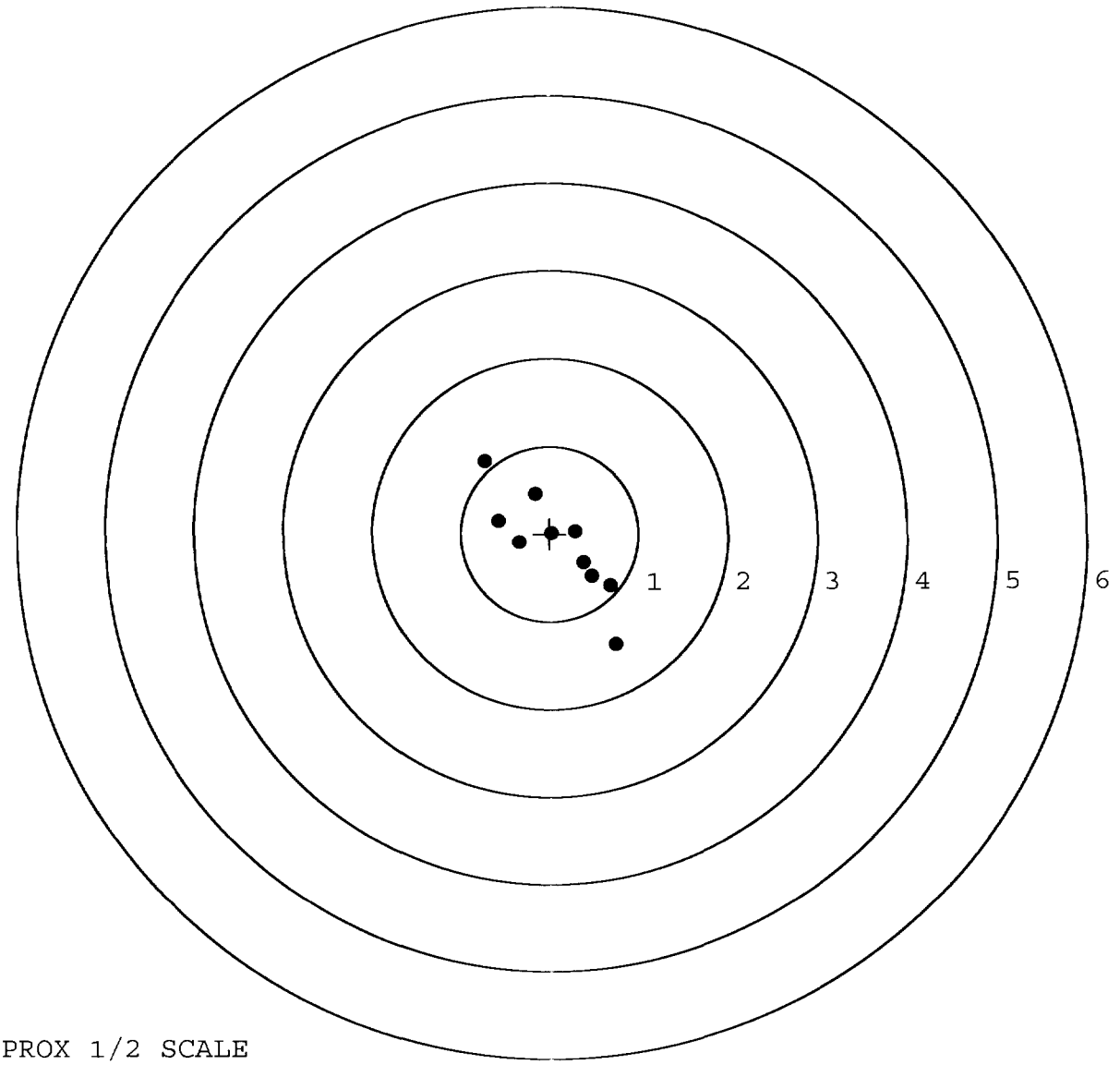


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522166.__0
TARGET NUMBER: 2
FILE DATE: 11/28/2005
FILE TIME: 14:26

X CENTROID:	0.076
Y CENTROID:	-0.132
POA TO CENTROID:	0.152
HORZ SPREAD:	1.466
VERT SPREAD:	2.089
GROUP SPREAD:	2.552
MIN RADIUS:	0.149
MAX RADIUS:	1.308
MEAN RADIUS:	0.640
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.737	-1.261
2:	0.682	-0.595
3:	0.471	-0.489
4:	0.290	0.028
5:	0.024	0.008
6:	-0.350	-0.104
7:	-0.577	0.147
8:	-0.164	0.454
9:	-0.729	0.828
10:	0.375	-0.335

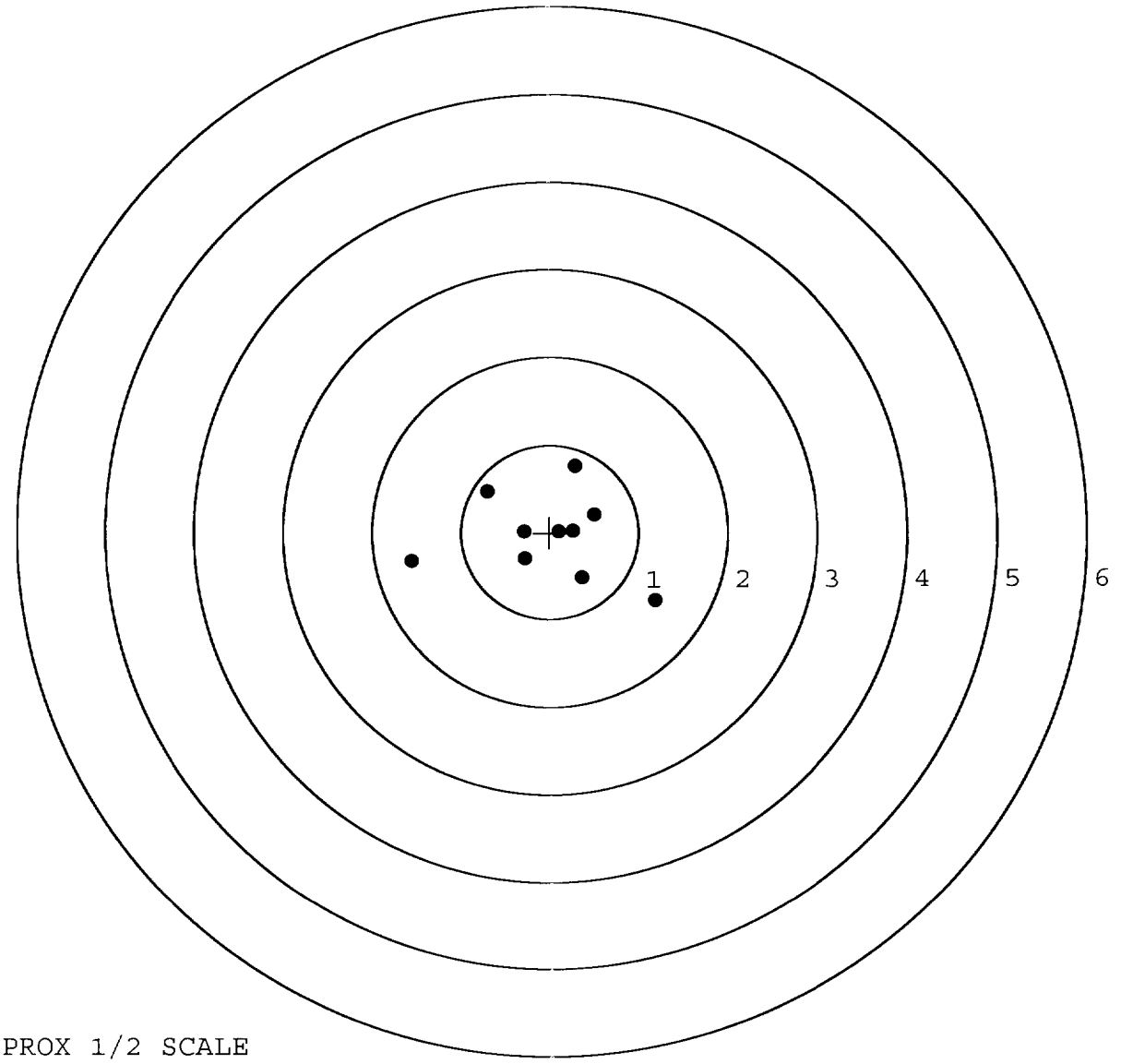


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522166.__0
TARGET NUMBER: 3
FILE DATE: 11/28/2005
FILE TIME: 14:26

X CENTROID:	-0.012
Y CENTROID:	-0.047
POA TO CENTROID:	0.048
HORZ SPREAD:	2.740
VERT SPREAD:	1.560
GROUP SPREAD:	2.778
MIN RADIUS:	0.133
MAX RADIUS:	1.571
MEAN RADIUS:	0.698
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	1.184	-0.797
2:	0.363	-0.528
3:	0.502	0.208
4:	0.292	0.763
5:	0.266	0.024
6:	0.104	0.019
7:	-0.287	0.014
8:	-0.283	-0.311
9:	-0.705	0.477
10:	-1.556	-0.338



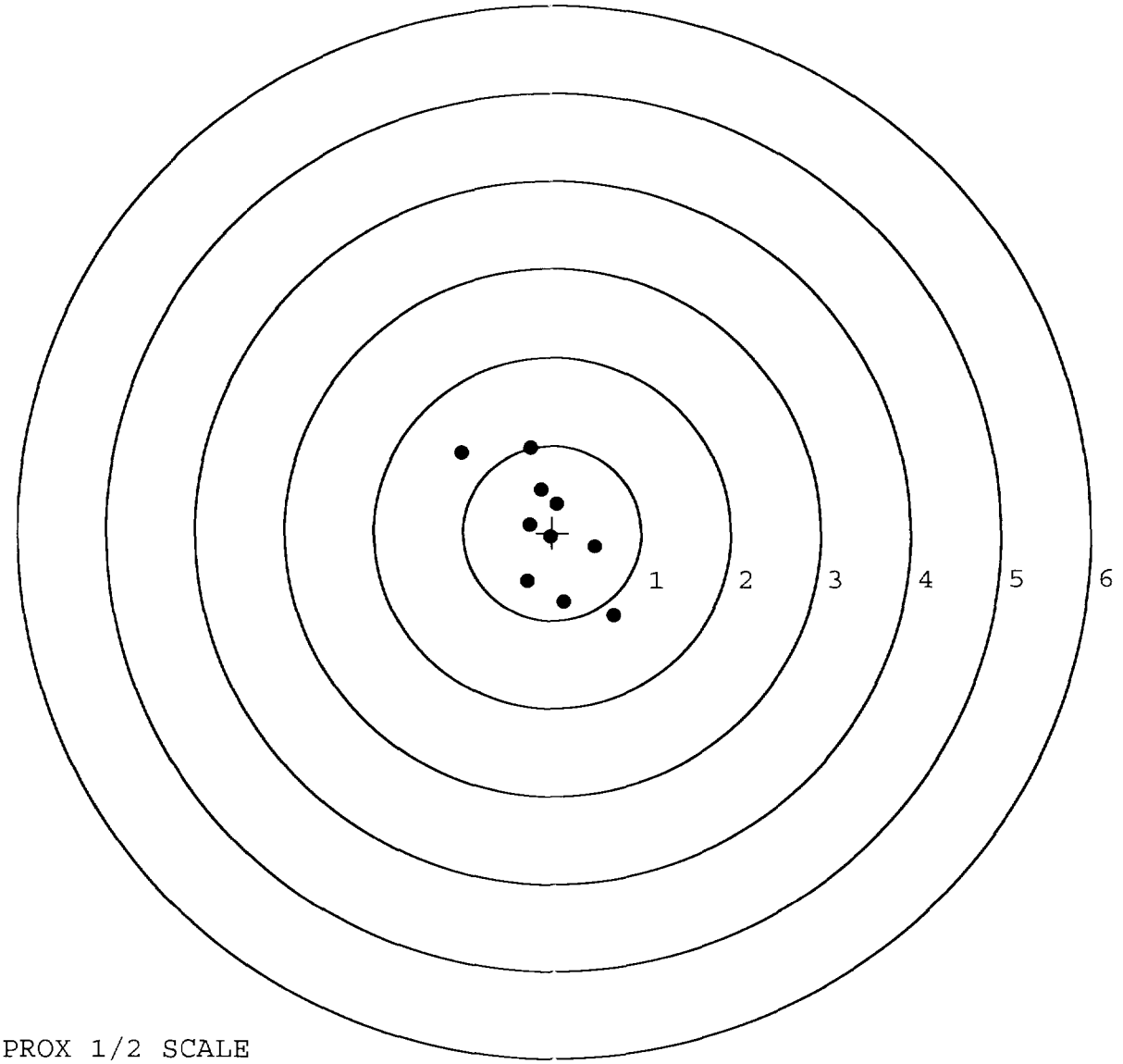
TARGET APPROX 1/2 SCALE

BARBER - M24 0004006

SERIAL NUMBER: C6522166.__0
TARGET NUMBER: 4
FILE DATE: 11/28/2005
FILE TIME: 14:26

X CENTROID:	-0.059
Y CENTROID:	0.032
POA TO CENTROID:	0.067
HORZ SPREAD:	1.693
VERT SPREAD:	1.923
GROUP SPREAD:	2.524
MIN RADIUS:	0.087
MAX RADIUS:	1.304
MEAN RADIUS:	0.663
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.683	-0.948
2:	0.128	-0.797
3:	-0.286	-0.556
4:	0.476	-0.162
5:	-0.238	0.975
6:	-1.010	0.924
7:	-0.124	0.500
8:	0.055	0.330
9:	-0.253	0.098
10:	-0.024	-0.048

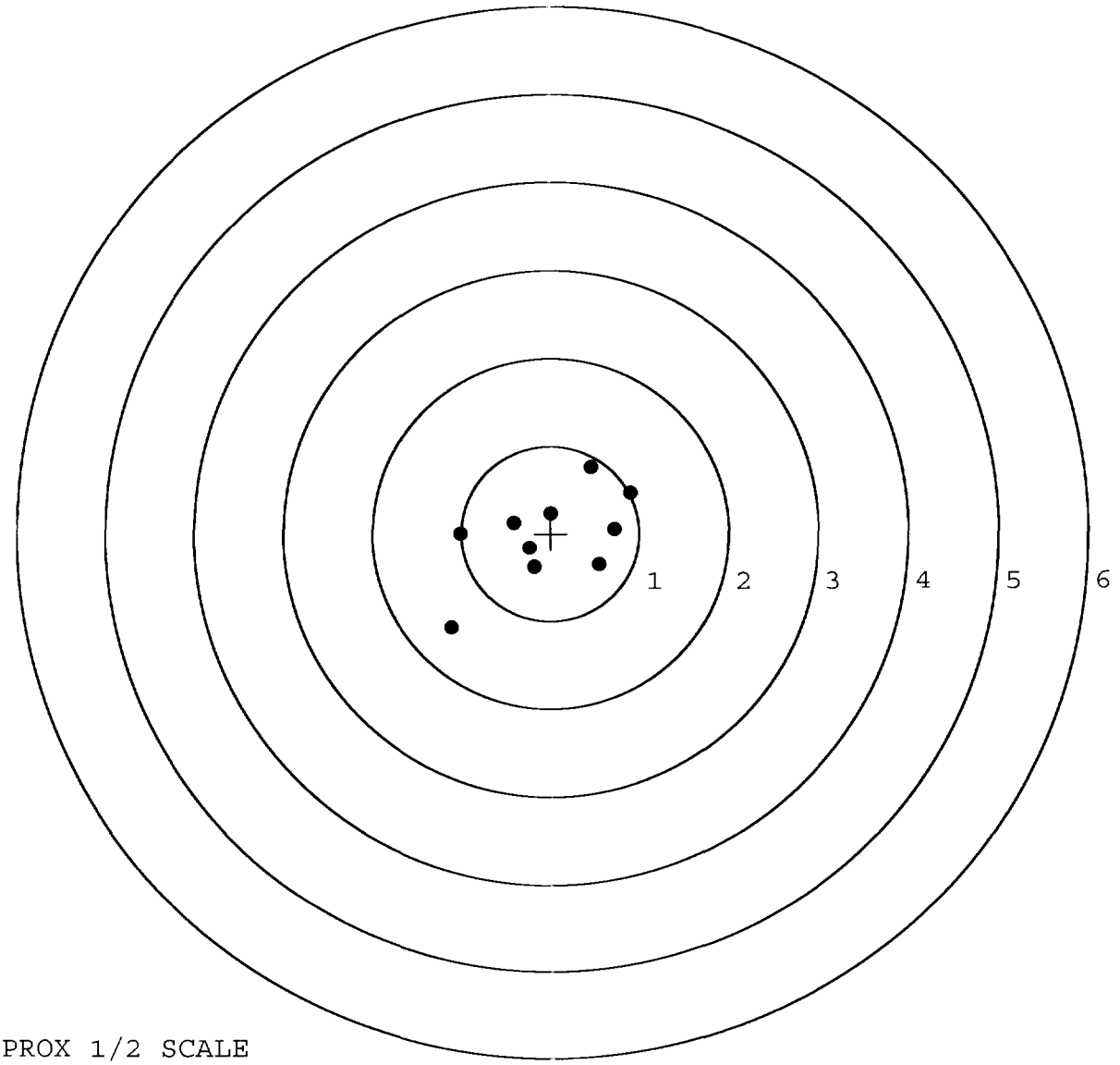


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522166.__0
TARGET NUMBER: 5
FILE DATE: 11/28/2005
FILE TIME: 14:26

X CENTROID:	-0.033
Y CENTROID:	-0.039
POA TO CENTROID:	0.051
HORZ SPREAD:	2.018
VERT SPREAD:	1.834
GROUP SPREAD:	2.537
MIN RADIUS:	0.240
MAX RADIUS:	1.501
MEAN RADIUS:	0.721
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.553	-0.366
2:	0.715	0.051
3:	0.902	0.460
4:	0.466	0.756
5:	-0.001	0.229
6:	-0.182	-0.391
7:	-0.235	-0.168
8:	-0.419	0.124
9:	-1.011	-0.003
10:	-1.116	-1.078



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 11-03-05

TESTER S.F.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET - 2.50 LBS		COMMENTS
PULL #1	2.63	2.72		2.63	
PULL #2	2.62	2.49		2.58	
PULL #3	2.52	2.60		2.61	
PULL #4	2.62	2.71		2.49	
PULL #5	2.56	2.66		2.55	
TOTAL	12.95	13.18		12.86	
AVERAGE	2.59	2.64		2.57	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.17		
PULL #2	2.97	3.19		
PULL #3	2.98	3.26		
PULL #4	2.96	3.23		
PULL #5	2.83	3.20		
TOTAL	15.04	16.05		
AVERAGE	3.01	3.21		

	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	3.95	3.96		3.98
PULL #2	4.06	3.86		3.99
PULL #3	3.91	3.88		3.86
PULL #4	3.94	4.02		3.89
PULL #5	3.91	3.92		4.11
TOTAL	19.77	19.64		19.83
AVERAGE	3.95	3.93		3.97

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

		Camp Shelby		
R & E NUMBER	102783			
SERIAL NUMBER	C6522166			
LOG-IN DATE	10-26-05			

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-4-05	AC
505	RE-BARREL		11-8-05	AC
560	ASSEMBLE		11-15-05	CD
600	PROOF	MAGNA-FLUX INSPECTED NOV 16 2005	11-15-05	CD
605	CHECK HEADSPACE		11-15-05	CD
610	DIS-ASSEMBLE GUN		11-15-05	CD
612	MAGNAFLUX	OPERATOR	11/18/05	
510	DRILL AND TAP		11-17-05	BR
615	ROLLMARK CALIBER		11-18-05	CW
618	ROTO-BLAST		11-21-05	CB
620	APPLY COATINGS		11/22/05	FB
625	FINAL ASSEMBLY		11-23-05	BG
640	FUNCTION TEST AND	(PASS) FAIL	11-28-05	TRW
650	TARGET	(PASS) FAIL	11-28-05	TRW
	MALFUNCTION FPO BAC	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION	11-28-05	TRW
670	FINAL INSPECTION		11-28-05	AC
	A) HEADSPACE	(PASS) FAIL	11-28-05	AC
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.75 2.75 2.68 2.76 2.86		AC
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS)	6 lbs 6 lbs 6 lbs		AC
	G) SAFETY OFF FORCE (2 LBS MIN)	3 lbs 3 lbs 3 lbs		AC
	I) FIRING PIN INDENT (.020)	.024 .024 .024		AC
690	PACK		12-1-05	DA

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. C6522166

ORDER NO. 5716

01

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

5716 C6522166

UPC

0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522166
13 Sep 1990

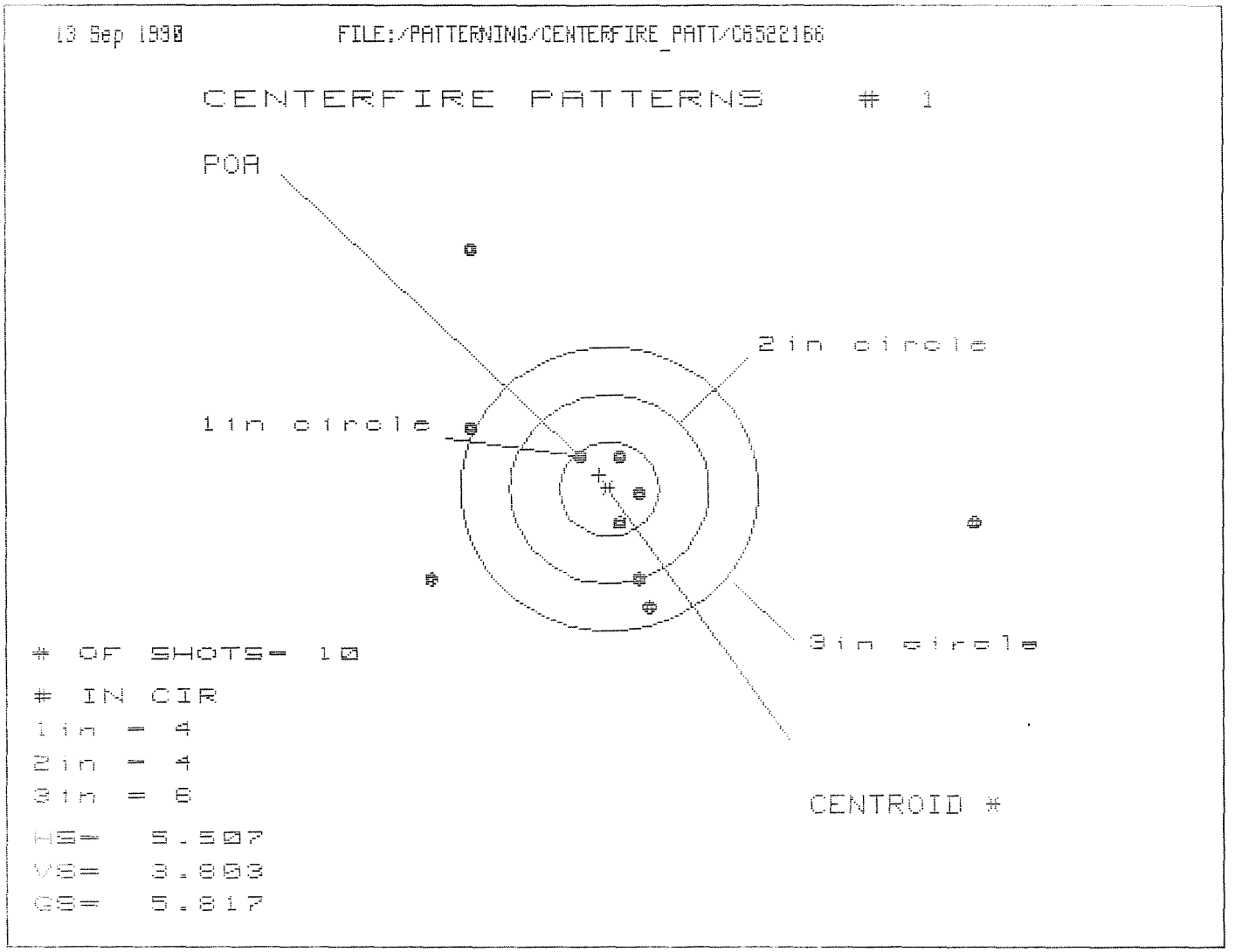
CENTROIDAL DISTANCES

0	TO	1	.178891
1	TO	2	.169
1	TO	3	.414238
1	TO	4	.268799
1	TO	5	.187459

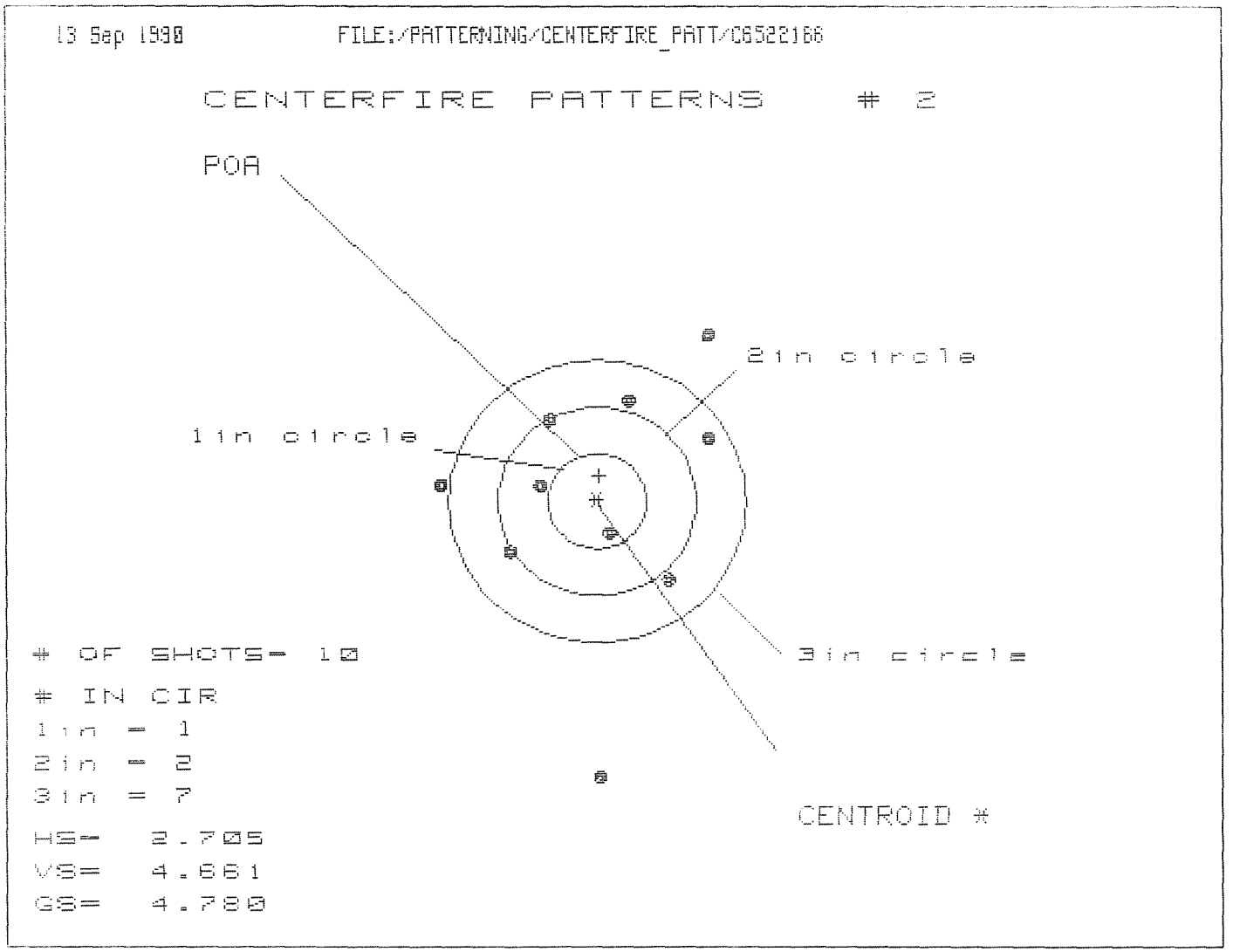
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0274
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0082
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0286007

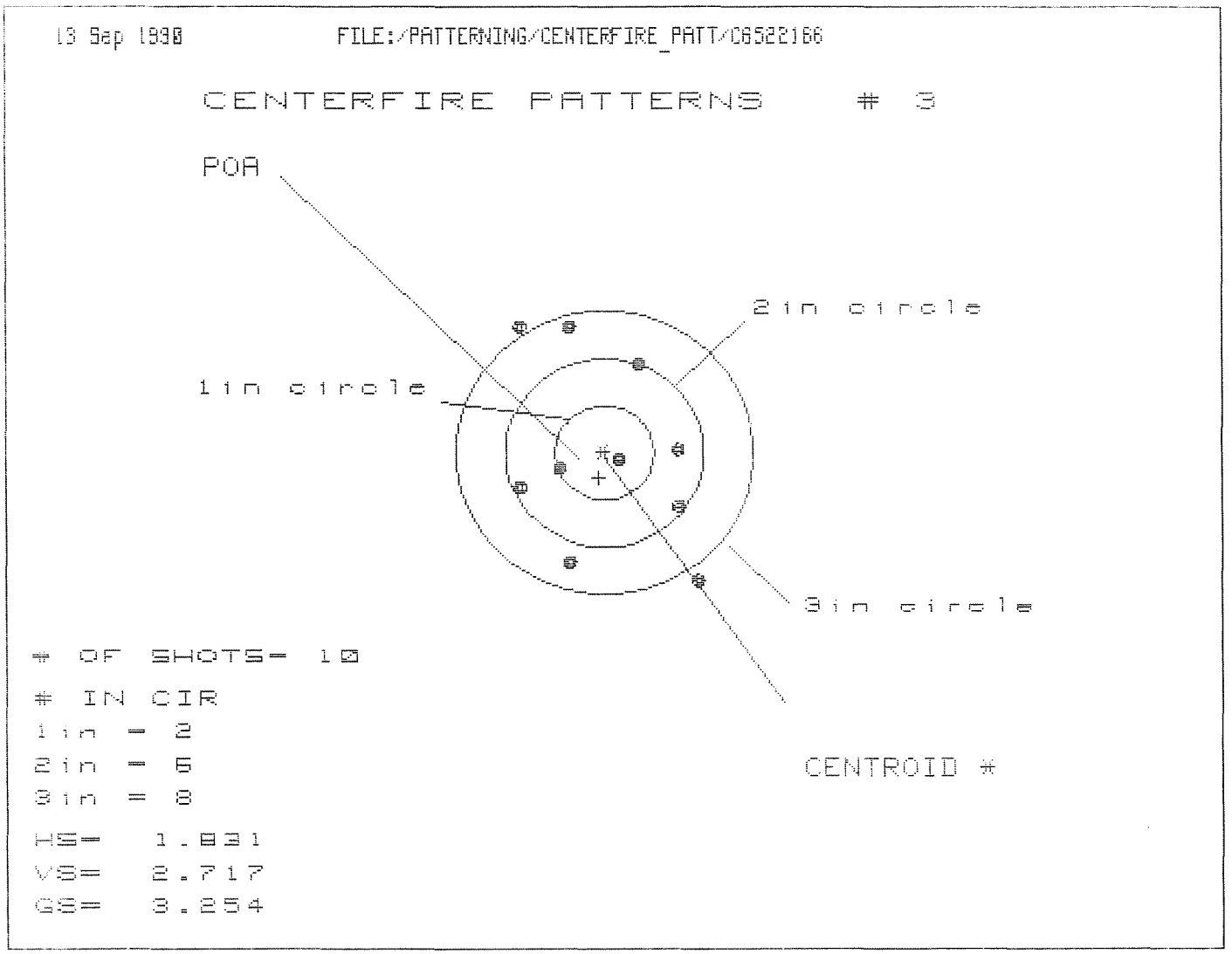
THE AMR FOR THIS RIFLE IS: 1.169



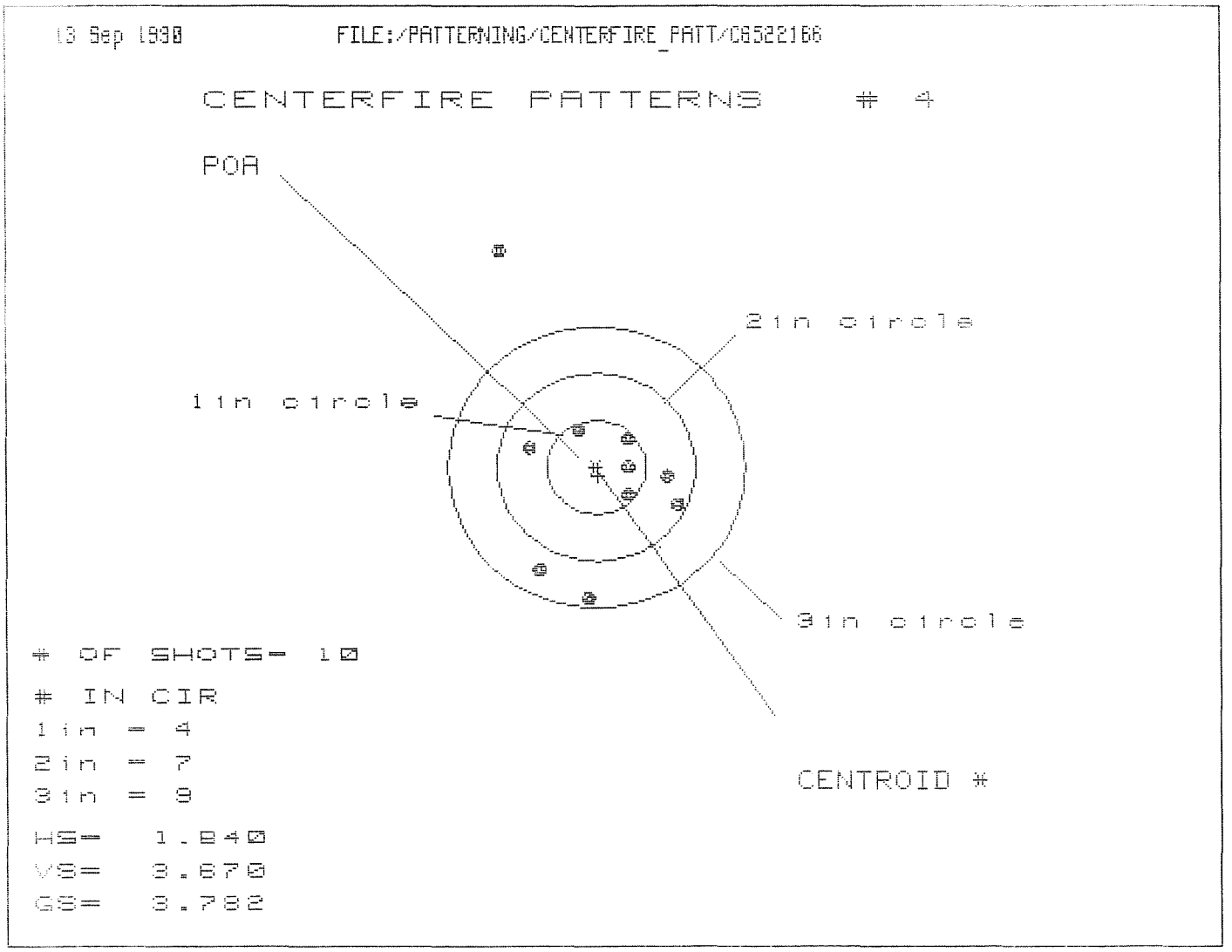
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	3.674	.786	.666
MINIMUM X	:	-1.833	-1.425	-1.545
MAXIMUM Y	:	2.562	2.524	.942
MINIMUM Y	:	-1.241	-1.279	-.963
CENTROID X	:	.099	-.309	-.189
CENTROID Y	:	-.149	-.111	-.427
POA TO CENTROID in.	:	.178	.329	.467
MIN RADIUS	:	.327	.360	.375
MEAN RADIUS	:	1.408	1.188	.954
MAX RADIUS	:	3.689	2.701	1.680
HORIZONTAL SPREAD	:	5.507	2.211	2.211
VERTICAL SPREAD	:	3.803	3.803	1.905
EXTREME SPREAD	:	5.817	4.185	2.596
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	



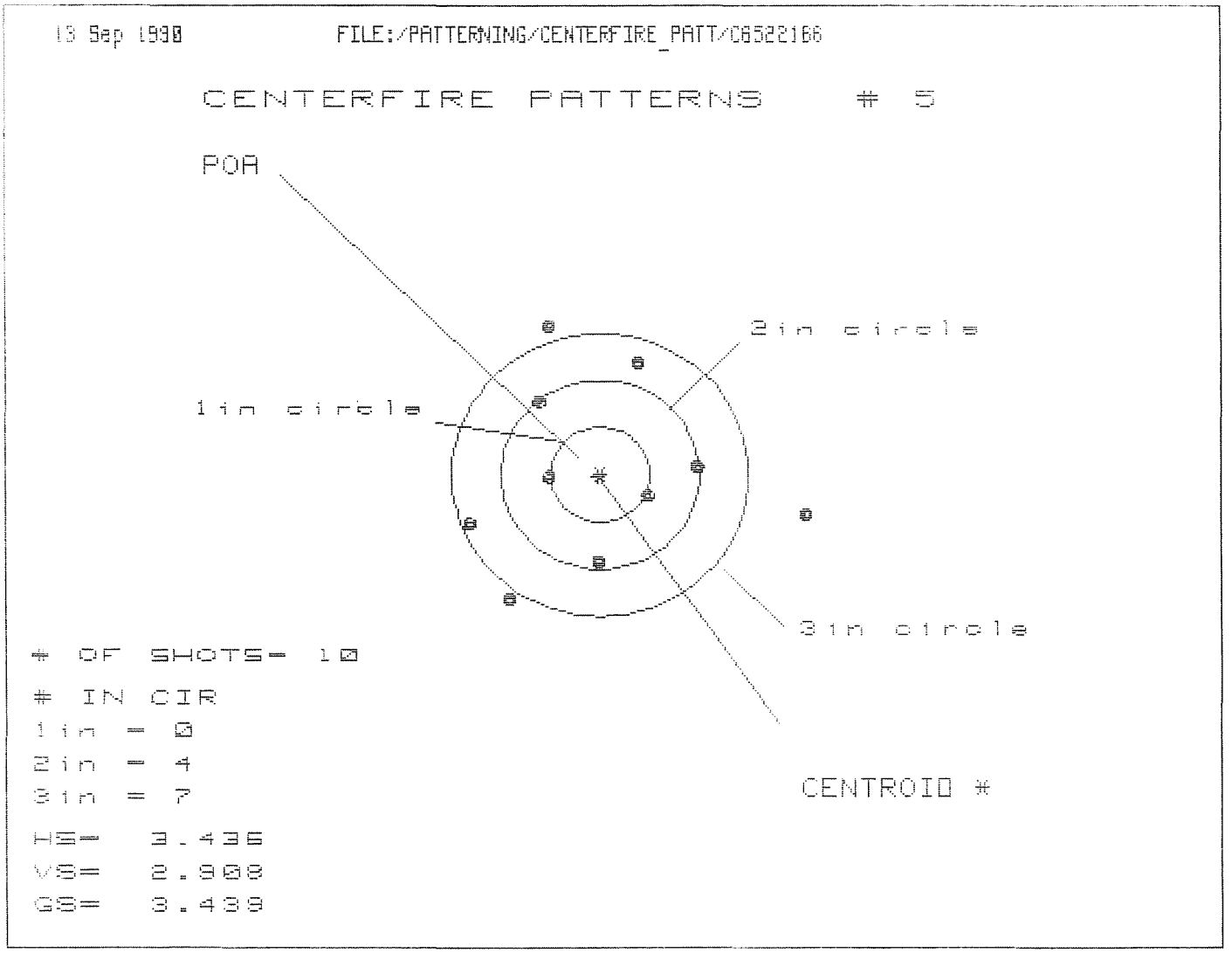
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.134	1.141	1.282
MINIMUM X	:	-1.571	-1.564	-1.423
MAXIMUM Y	:	1.766	1.444	.914
MINIMUM Y	:	-2.895	-1.170	-.989
CENTROID X	:	-.020	-.027	-.168
CENTROID Y	:	-.269	.053	-.128
POA TO CENTROID in.	:	.270	.059	.211
MIN RADIUS	:	.387	.579	.403
MEAN RADIUS	:	1.314	1.120	1.000
MAX RADIUS	:	2.896	1.834	1.425
HORIZONTAL SPREAD	:	2.705	2.705	2.705
VERTICAL SPREAD	:	4.661	2.614	1.903
EXTREME SPREAD	:	4.780	3.110	2.740
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.970	.836	.747
MINIMUM X	:	-.861	-.753	-.842
MAXIMUM Y	:	1.359	1.208	1.321
MINIMUM Y	:	-1.358	-1.319	-1.168
CENTROID X	:	.056	-.052	.037
CENTROID Y	:	.263	.414	.263
POA TO CENTROID in.	:	.269	.418	.266
MIN RADIUS	:	.140	.319	.157
MEAN RADIUS	:	.993	.929	.836
MAX RADIUS	:	1.669	1.402	1.372
HORIZONTAL SPREAD	:	1.831	1.589	1.589
VERTICAL SPREAD	:	2.717	2.527	2.489
EXTREME SPREAD	:	3.254	2.575	2.490
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	:	.867	.759	.738
MINIMUM X	:	-.973	-.788	-.809
MAXIMUM Y	:	2.309	.660	.522
MINIMUM Y	:	-1.361	-1.105	-.966
CENTROID X	:	-.018	.090	.111
CENTROID Y	:	.093	-.163	-.025
POA TO CENTROID in.	:	.095	.187	.114
MIN RADIUS	:	.366	.198	.251
MEAN RADIUS	:	.916	.709	.628
MAX RADIUS	:	2.506	1.117	1.226
HORIZONTAL SPREAD	:	1.840	1.547	1.547
VERTICAL SPREAD	:	3.670	1.765	1.488
EXTREME SPREAD	:	3.782	1.772	1.666
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.103	1.239	1.151
MINIMUM X	:	-1.333	-1.099	-1.187
MAXIMUM Y	:	1.538	1.492	1.315
MINIMUM Y	:	-1.370	-1.416	-1.175
CENTROID X	:	.020	-.213	-.125
CENTROID Y	:	.021	.067	.244
POA TO CENTROID in.	:	.029	.224	.274
MIN RADIUS	:	.552	.335	.470
MEAN RADIUS	:	1.212	1.088	1.019
MAX RADIUS	:	2.144	1.583	1.421
HORIZONTAL SPREAD	:	3.436	2.338	2.338
VERTICAL SPREAD	:	2.908	2.908	2.490
EXTREME SPREAD	:	3.439	2.945	2.530
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6527166

OP. #	OP. NAME	READINGS	DATE	INIT
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		8/23/90	RB
618	Polish Barrel RB		8/23/90	RB
620	Apply Coatings (Barrel Action)		8-28-90	RB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/4/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 nt.	F) Safety On Force	5	4	4			9/12/90	[illegible]
	G) Safety Off Force	3	3	3			9/12/90	[illegible]
	H) Trigger Pull Test & Retainability						9/11/90	WB
	I) Firing Pin Indent	.023	.023	.023			9/12/90	[illegible]
	J) Assemble Stock						9/12/90	RW
	K) Assemble Swivel Studs						9/15/90	[illegible]
	L) Attach Front and Rear Sight Assemblies						9/12/90	RW
	M) Iron Sight Alignment						9/12/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/12/90	RW
	O) Attach Scope to Rifle						9/12/90	RW
	P) Detach & Attach Scope 20 Times						9/12/90	RW
640	Gallery Target & Test						9/13/90	[illegible]
	A) Time						"	[illegible]
	B) Malfunctions						"	[illegible]
	C) Pierced Primers						"	[illegible]
	D) Optical Clearity of Scope						"	[illegible]
645	Inspect for Live Ammo						9/13/90	[illegible]
655	Final Inspection A) Headspace						9/15/90	[illegible]
	B) Trigger Pull	2.29	2.30	2.40	2.28	2.45	9-15-90	[illegible]
	C) Function						9/15/90	[illegible]
660	Pack						9/19/90	[illegible]

SWS TRIGGER PULL TEST

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

SERIAL NO. C6522166
DATE 9/11/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.57	2.53	2.29	MIN. SETTING,
PULL #2	2.51	2.52	2.29	2.30	NO AVG. OF 5
PULL #3	2.57	2.41	2.20	2.40	READINGS ACCEPT-
PULL #4	2.47	2.37	2.47	2.28	ABLE LESS THAN 2#
PULL #5	2.41	2.52	2.51	2.45	
TOTAL	12.43	12.39	12.00	11.72	
AVG.	2.48	2.48	2.40	2.344	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.08	3.20		
PULL #2	3.07	3.30		
PULL #3	3.07	3.25		
PULL #4	2.90	3.10		
PULL #5	3.08	3.25		
TOTAL	15.20	16.10		
AVG.	3.04	3.22		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.02	4.19		4.09
PULL #2	4.07	4.02		4.08
PULL #3	4.23	4.18		3.95
PULL #4	4.22	4.15		4.08
PULL #5	4.30	4.09		4.11
TOTAL	20.84	20.63		20.31
AVG.	4.17	4.12		4.06