C6522177

MODEL 700™ M24

Model SWS ™

Action

Barrel Length

Capacity

Order No. 5716

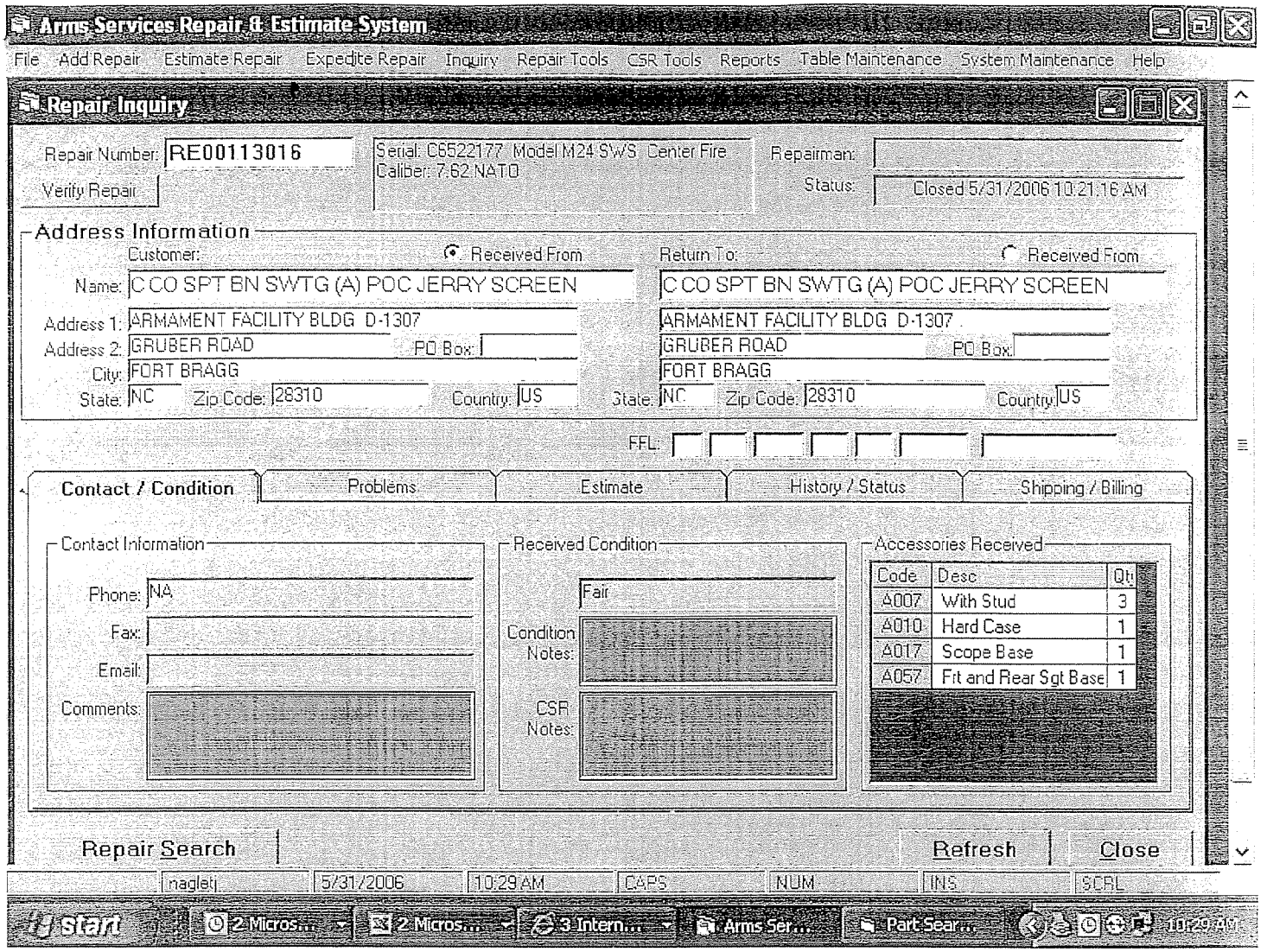
*Includes 1 in chamber.

Remington

Smead®

M2400003512

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. 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: RE00113016
Verify Repair
Serial: C6522177 Model M24 SWS Center Fire
Caliber: 7.62 NATO
Repairman:
Status: Closed 5/31/2006 10:21:16 AM
Address Information
Customer:
Received From
Name: C CO SPT BN SWTG (A) POC JERRY SCREEN
Address 1: ARMAMENT FACILITY BLDG D-1307
Address 2: GRUBER ROAD
PO Box:
City: FORT BRAGG
State: NC Zip Code: 28310 Country: US
Return To:
Received From
C CO SPT BN SWTG (A) POC JERRY SCREEN
ARMAMENT FACILITY BLDG D-1307
GRUBER ROAD
PO Box:
FORT BRAGG
State: NC Zip Code: 28310 Country: US
FFL:
Contact / Condition
Problems
Estimate
History / Status
Shipping / Billing
Contact Information
Phone: NA
Fax:
Email:
Comments:
Received Condition
Fair
Condition Notes:
CSR Notes:
Accessories Received
Code Desc Qty
A007 With Stud 3
A010 Hard Case 1
A017 Scope Base 1
A057 Fit and Rear Sgt Base 1
Repair Search
Refresh
Close
naglet
5/31/2006
10:29 AM
CAPS
NUM
INS
SCRL
start
2 Micros...
2 Micros...
3 Intern...
Arms Ser...
Part Sear...
10:29 AM


Serial Number:
C6522177
Model: M24 SWS
RE00113016

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522177.__0
FILE DATE AND TIME: 06/30/2006 18:10

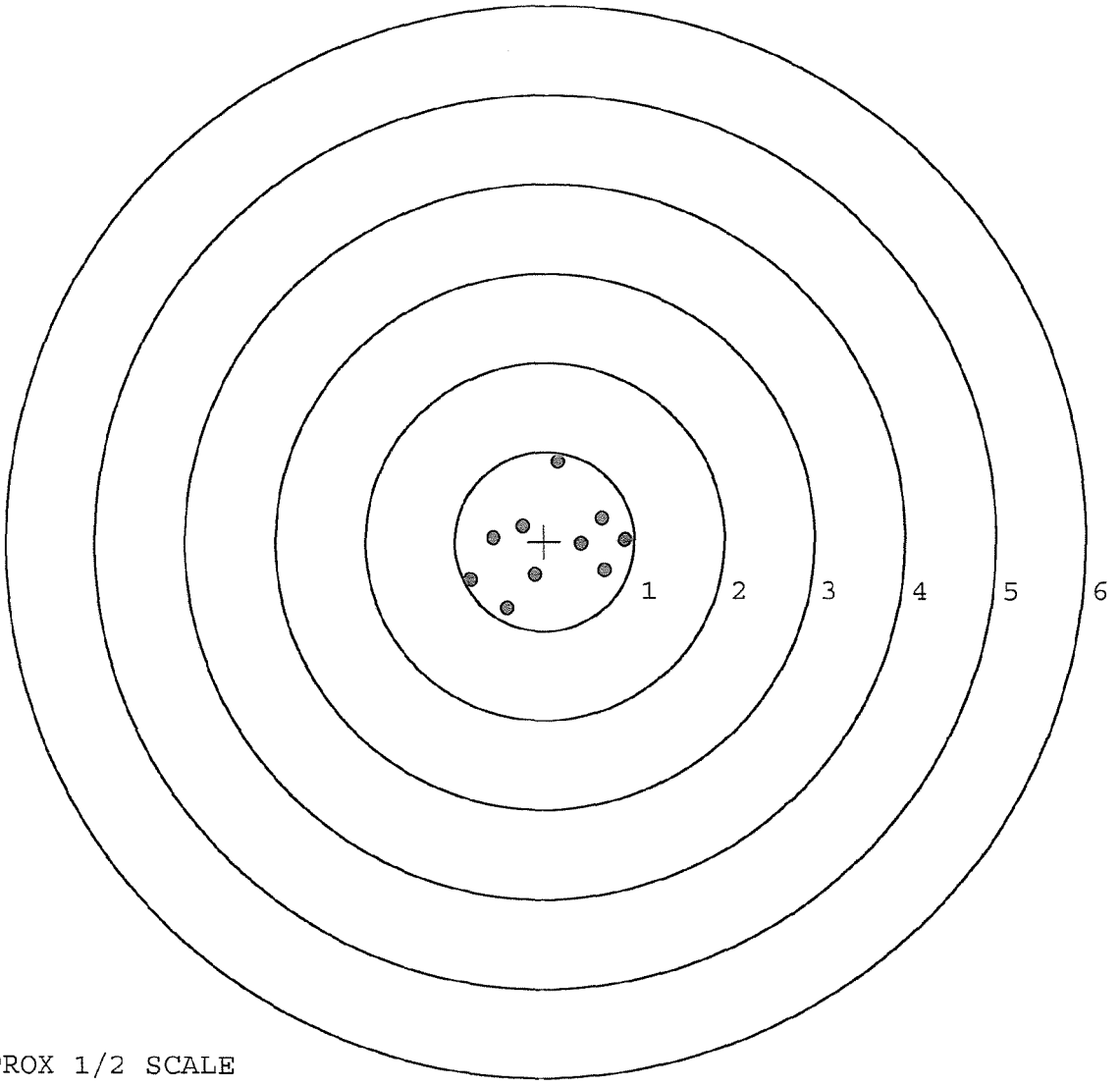
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.049
The Average Y Centroid of the Five Target Set:	-0.056
The Average Point of Impact of the Five Target Set:	0.074
The Average Mean Radius of the Five Target Set:	0.527
The Distance from POA to Centroid Target #1:	0.079
The Distance from Centroid Target #2 to Centroid Target #1:	0.088
The Distance from Centroid Target #3 to Centroid Target #1:	0.266
The Distance from Centroid Target #4 to Centroid Target #1:	0.216
The Distance from Centroid Target #5 to Centroid Target #1:	0.121

SERIAL NUMBER: C6522177.__0
TARGET NUMBER: 1
FILE DATE: 06/30/2006
FILE TIME: 18:10

X CENTROID:	0.058
Y CENTROID:	-0.053
POA TO CENTROID:	0.079
HORZ SPREAD:	1.716
VERT SPREAD:	1.637
GROUP SPREAD:	1.772
MIN RADIUS:	0.354
MAX RADIUS:	0.955
MEAN RADIUS:	0.663
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.821	-0.427
2:	-0.411	-0.747
3:	-0.111	-0.372
4:	-0.249	0.162
5:	-0.577	0.039
6:	0.144	0.890
7:	0.635	0.255
8:	0.895	0.016
9:	0.667	-0.320
10:	0.411	-0.028

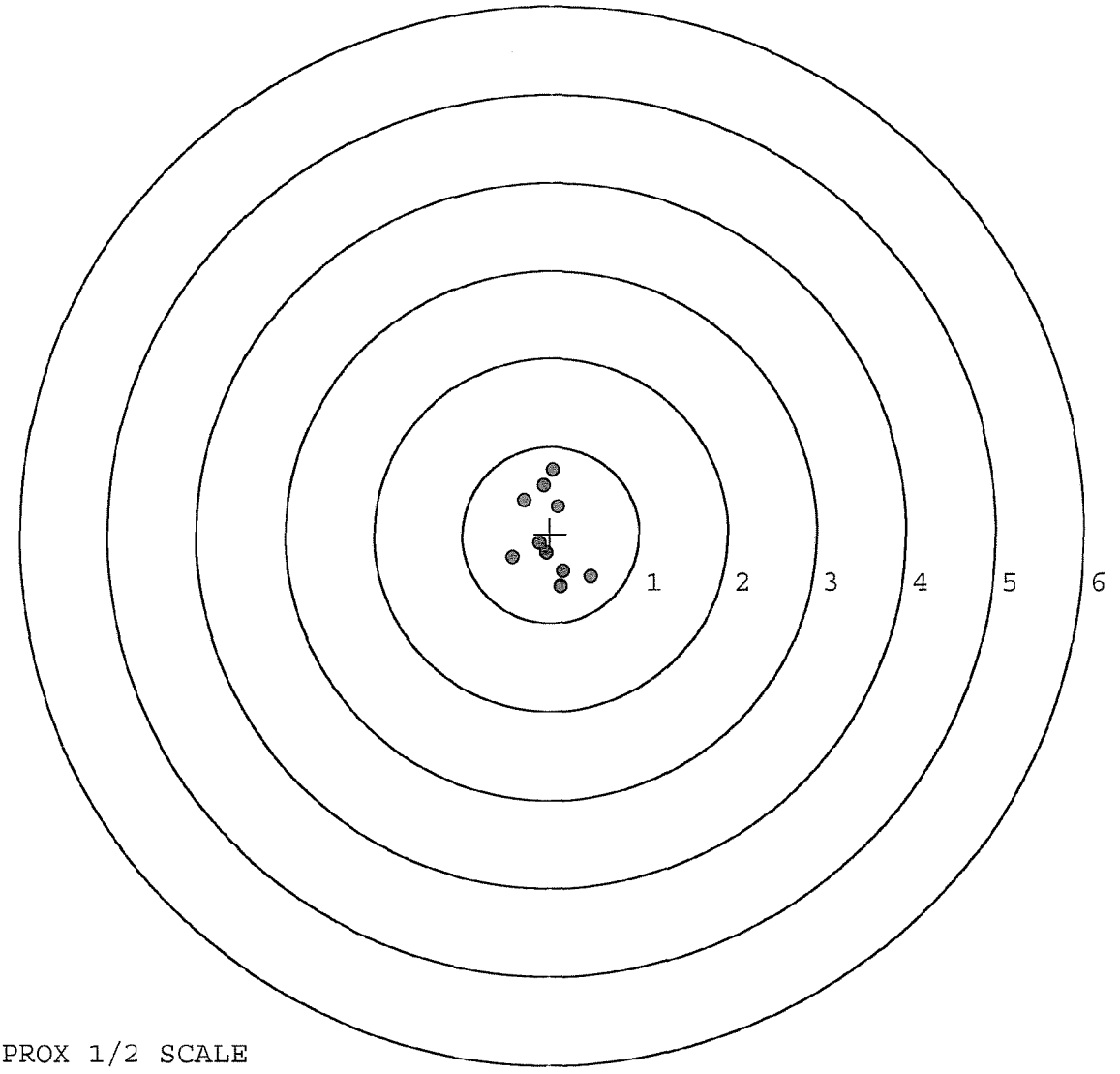


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522177.__0
TARGET NUMBER: 2
FILE DATE: 06/30/2006
FILE TIME: 18:10

X CENTROID:	-0.017
Y CENTROID:	-0.009
POA TO CENTROID:	0.019
HORZ SPREAD:	0.885
VERT SPREAD:	1.337
GROUP SPREAD:	1.340
MIN RADIUS:	0.150
MAX RADIUS:	0.749
MEAN RADIUS:	0.472
# IN 1 IN DIAMETER:	6
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.306	0.389
2:	0.023	0.739
3:	0.082	0.318
4:	-0.132	-0.105
5:	-0.427	-0.263
6:	0.140	-0.420
7:	0.119	-0.598
8:	0.458	-0.484
9:	-0.082	0.558
10:	-0.049	-0.220

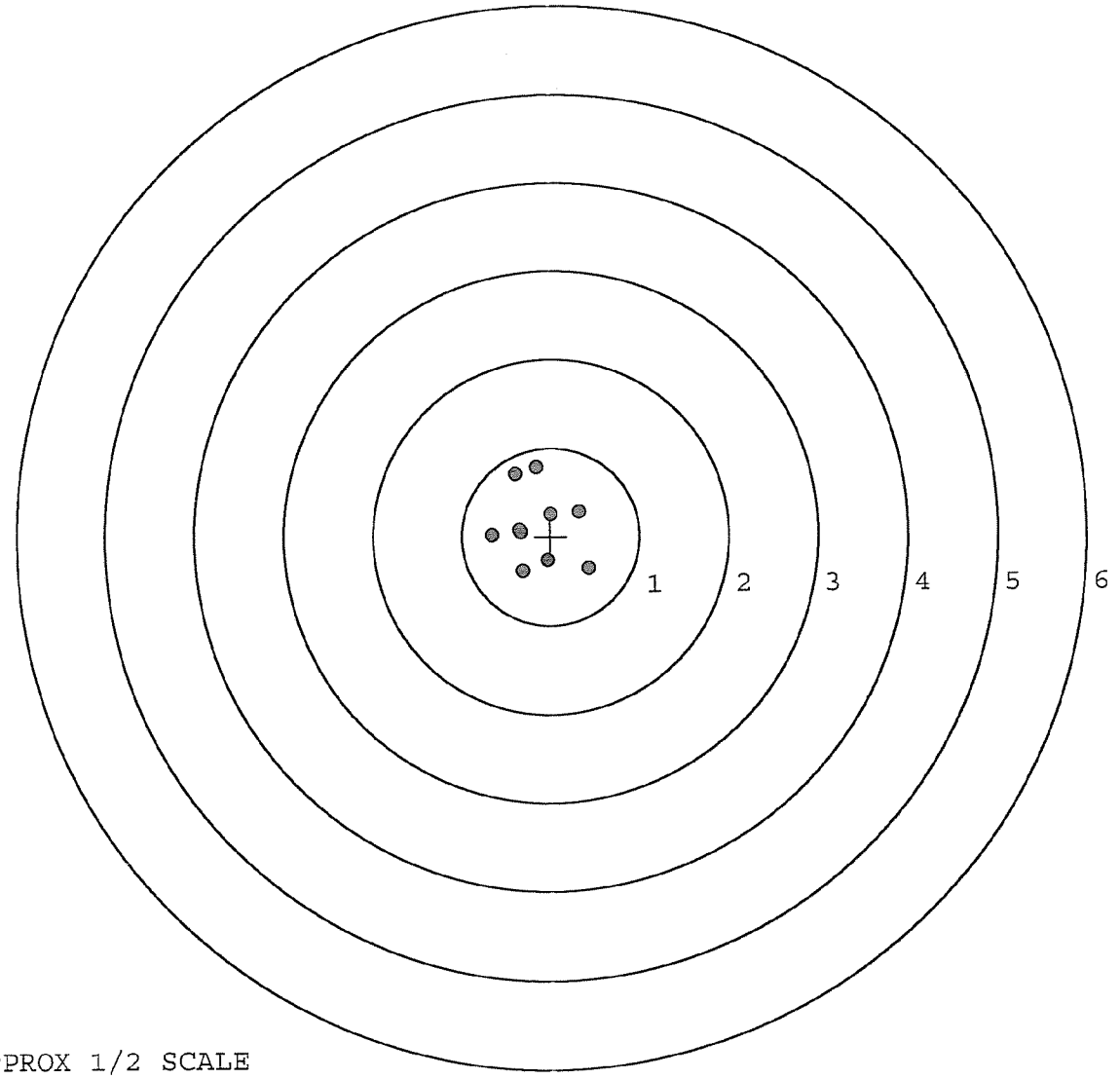


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522177.__0
TARGET NUMBER: 3
FILE DATE: 06/30/2006
FILE TIME: 18:10

X CENTROID:	-0.150
Y CENTROID:	0.112
POA TO CENTROID:	0.188
HORZ SPREAD:	1.093
VERT SPREAD:	1.181
GROUP SPREAD:	1.358
MIN RADIUS:	0.195
MAX RADIUS:	0.752
MEAN RADIUS:	0.465
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.163	0.785
2:	-0.394	0.712
3:	0.325	0.279
4:	0.002	0.252
5:	-0.348	0.078
6:	-0.665	0.014
7:	-0.035	-0.279
8:	-0.317	-0.396
9:	0.428	-0.369
10:	-0.335	0.049

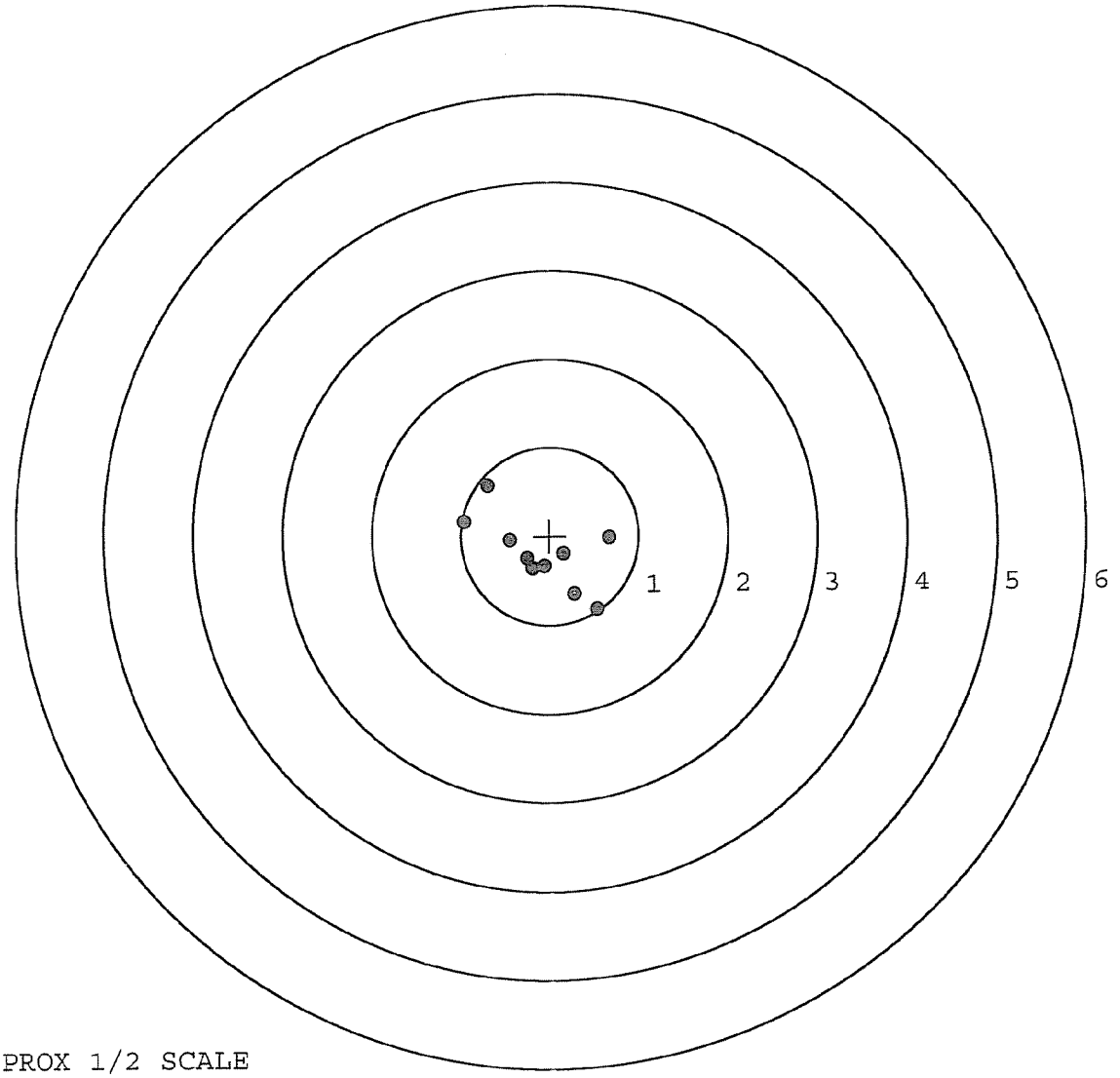


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522177.__0
TARGET NUMBER: 4
FILE DATE: 06/30/2006
FILE TIME: 18:10

X CENTROID:	-0.099
Y CENTROID:	-0.201
POA TO CENTROID:	0.224
HORZ SPREAD:	1.637
VERT SPREAD:	1.395
GROUP SPREAD:	1.858
MIN RADIUS:	0.146
MAX RADIUS:	0.974
MEAN RADIUS:	0.533
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.696	0.568
2:	-0.966	0.166
3:	0.671	-0.030
4:	0.531	-0.827
5:	0.277	-0.660
6:	0.159	-0.204
7:	-0.063	-0.343
8:	-0.256	-0.259
9:	-0.449	-0.053
10:	-0.197	-0.369

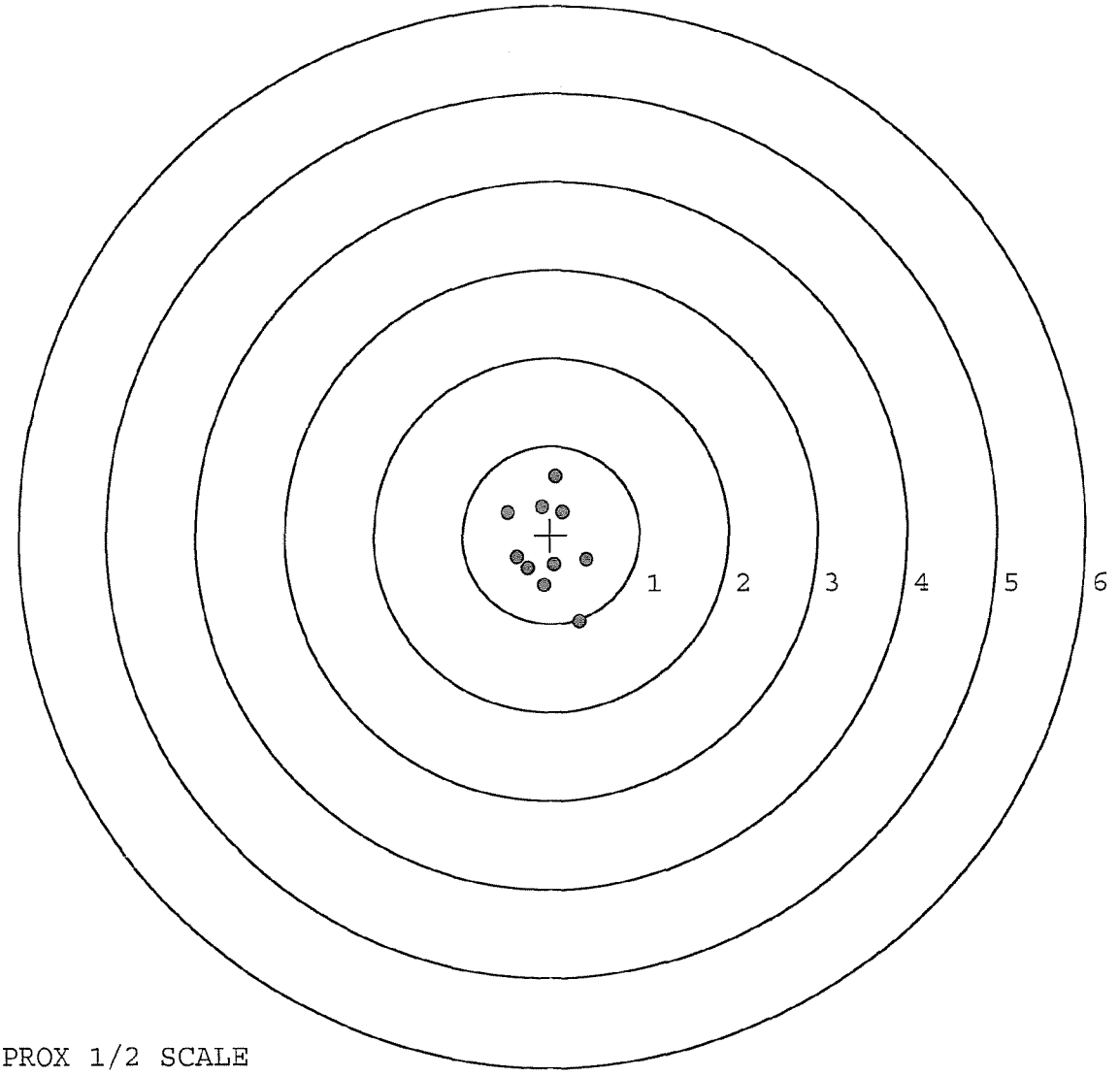


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522177.__0
TARGET NUMBER: 5
FILE DATE: 06/30/2006
FILE TIME: 18:10

X CENTROID:	-0.036
Y CENTROID:	-0.130
POA TO CENTROID:	0.134
HORZ SPREAD:	0.891
VERT SPREAD:	1.641
GROUP SPREAD:	1.662
MIN RADIUS:	0.219
MAX RADIUS:	0.926
MEAN RADIUS:	0.501
# IN 1 IN DIAMETER:	7
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.321	-0.984
2:	0.402	-0.277
3:	0.044	-0.334
4:	-0.077	-0.568
5:	-0.261	-0.379
6:	-0.380	-0.247
7:	-0.489	0.256
8:	0.127	0.261
9:	0.056	0.657
10:	-0.100	0.319



TARGET APPROX 1/2 SCALE

M-24

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	113016
SERIAL NUMBER	C0522177
LOG-IN DATE	5-30-06

OPERATION #	OPERATION NAME			DATE	INITIAL
500	DIS-ASSEMBLE GUN			6-16-06	RTC
505	RE-BARREL			6-20-06	RTC
420	ASSEMBLE			6-20-06	RTC
440	PROOF	MAGNA-FLUX INSPECTED		6-20-06	TRW
460	CHECK HEADSPACE	JUN 2 2006		6-20-06	TRW
470	DIS-ASSEMBLE GUN			6-21-06	RTC
480	MAGNAFLUX	OPERATOR		6/23/06	
510	DRILL AND TAP			6-22-06	TRW
500	ROLLMARK CALIBER			6-23-06	CW
520	GOFF BLAST BBL / REC			6-23-06	LB
530 & 540	APPLY COATINGS			6/28/06	TRB
560	FINAL ASSEMBLY			6-29-06	RTC
640	FUNCTION TEST AND	(PASS)	FAIL	6-30-06	MJM
650	TARGET	(PASS)	FAIL	6-30-06	MJM
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION	N/A		
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION			
670	FINAL INSPECTION			7-7-06	
	A) HEADSPACE	(PASS)	FAIL	7-7-06	
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	N/A			
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	6 lbs	6 lbs	6 lbs	
	G) SAFETY OFF FORCE (2 LBS MIN)	3 lbs	3 lbs	3 lbs	
	I) FIRING PIN INDENT (.020)	.022	.022	.022	
690	PACK			5-4-06	DH

F006 REV 5/2006

FINAL INSPECTION CHECKLIST

BARREL ASSEMBLY

_____ BARREL

_____ RECEIVER

_____ FRONT SIGHT BASE

_____ REAR SIGHT BASE

_____ SCREWS

_____ FINISH

SCOPE ASSEMBLY

_____ SCOPE

_____ SCOPE RINGS

_____ MOUNTING SCREWS

_____ MOUNTING BASE

_____ SCREWS

_____ FINISH

_____ CLARITY

STOCK ASSEMBLY

_____ STOCK

_____ SLING SWIVEL STUDS

_____

_____ BUTT PATE

_____ LOCK NUTS

_____ BARREL CLEARANCE

_____ COLOR / FINISH

SYSTEM CASE

_____ SCOPE CASE

_____ IRON SIGHTS

_____ DEPLOYMENT KIT

TRIGGER ASSEMBLY

_____ SAFETY OPERATION

_____ RE-SET TO FACTORY SPECS

COMMENTS: _____

F006 REV 5/2006

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. C6522177

ORDER NO. 5716

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

01

5716 C6522177

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522177

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/10/90	KS
600	Proof		7/10/90	KS
607	Check Headspace		7/10/90	KS
610	Dis-assemble Gun		7/10/90	KS
612	Magnaflux Barrel Action		7-17-90	KR
	Magnaflux Bolt		7-17-90	KR
615	Rollmark Caliber		7-17-90	LS
617	Drill and Tap Sight Holes		7/23/90	KS
618	Polish Barrel RB		7/24/90	CW
620	Apply Coatings (Barrel Action)		7/26/90	KS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/15/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/15/90	KS
	C) Inspect Ejector Hole for Chamfer		8/15/90	KS
	D) Oil Firing Pin Ass'y		8/15/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	8/14/90	[illegible]
	G) Safety Off Force	3	3	3	8/14/90	[illegible]
	H) Trigger Pull Test & Retainability				9/16/90	[illegible]
	I) Firing Pin Indent	.022	.0215	.0215	8/14/90	[illegible]
	J) Assemble Stock				8/16/90	KS
	K) Assemble Swivel Studs					
	L) Attach Front and Rear Sight Assemblies				8/16/90	KS
	M) Iron Sight Alignment				8/16/90	KS
	N) Detach Front & Rear Sights & place in numbered container				8/16/90	KS
	O) Attach Scope to Rifle				8/16/90	KS
	P) Detach & Attach Scope 20 Times				8/16/90	KS
640	Gallery Target & Test				8-17-90	[illegible]
	A) Time				"	[illegible]
	B) Malfunctions				"	[illegible]
	C) Pierced Primers				"	[illegible]
	D) Optical Clearity of Scope				"	[illegible]
645	Inspect for Live Ammo				8-17-90	[illegible]
655	Final Inspection A) Headspace				9/16/90	[illegible]
	B) Trigger Pull	2.35	2.32	2.40 2.34 2.35	9-16-90	[illegible]
	C) Function				9/16/90	[illegible]
660	Pack				9/20/90	[illegible]

SWS TRIGGER PULL TEST

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

SERIAL NO. C6522358

DATE 9-16-90

TESTER DJ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.59	2.60	2.28	2.35	MIN. SETTING,
PULL #2	2.46	2.53	2.38	2.32	NO AVG. OF 5
PULL #3	2.27	2.20	2.54	2.40	READINGS ACCEPT-
PULL #4	2.28	2.07	2.55	2.34	ABLE LESS THAN 2#
PULL #5	2.04	2.45	2.25	2.35	
TOTAL	11.64	11.85	12.00	11.76	
AVG.	2.328	2.37	2.4	2.352	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.14		
PULL #2	3.10	3.11		
PULL #3	3.15	3.30		
PULL #4	3.18	3.10		
PULL #5	3.12	3.26		
TOTAL	15.74	15.91		
AVG.	3.148	3.182		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.20		4.18
PULL #2	4.13	4.21		4.18
PULL #3	4.14	4.14		4.18
PULL #4	4.17	4.10		4.16
PULL #5	4.25	4.22		4.20
TOTAL	20.86	20.87		20.90
AVG.	4.172	4.174		4.18

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522177
17 Aug 1990

CENTROIDAL DISTANCES

0 TO 1 .10458
1 TO 2 .110463
1 TO 3 .308318
1 TO 4 .0782304
1 TO 5 .165979

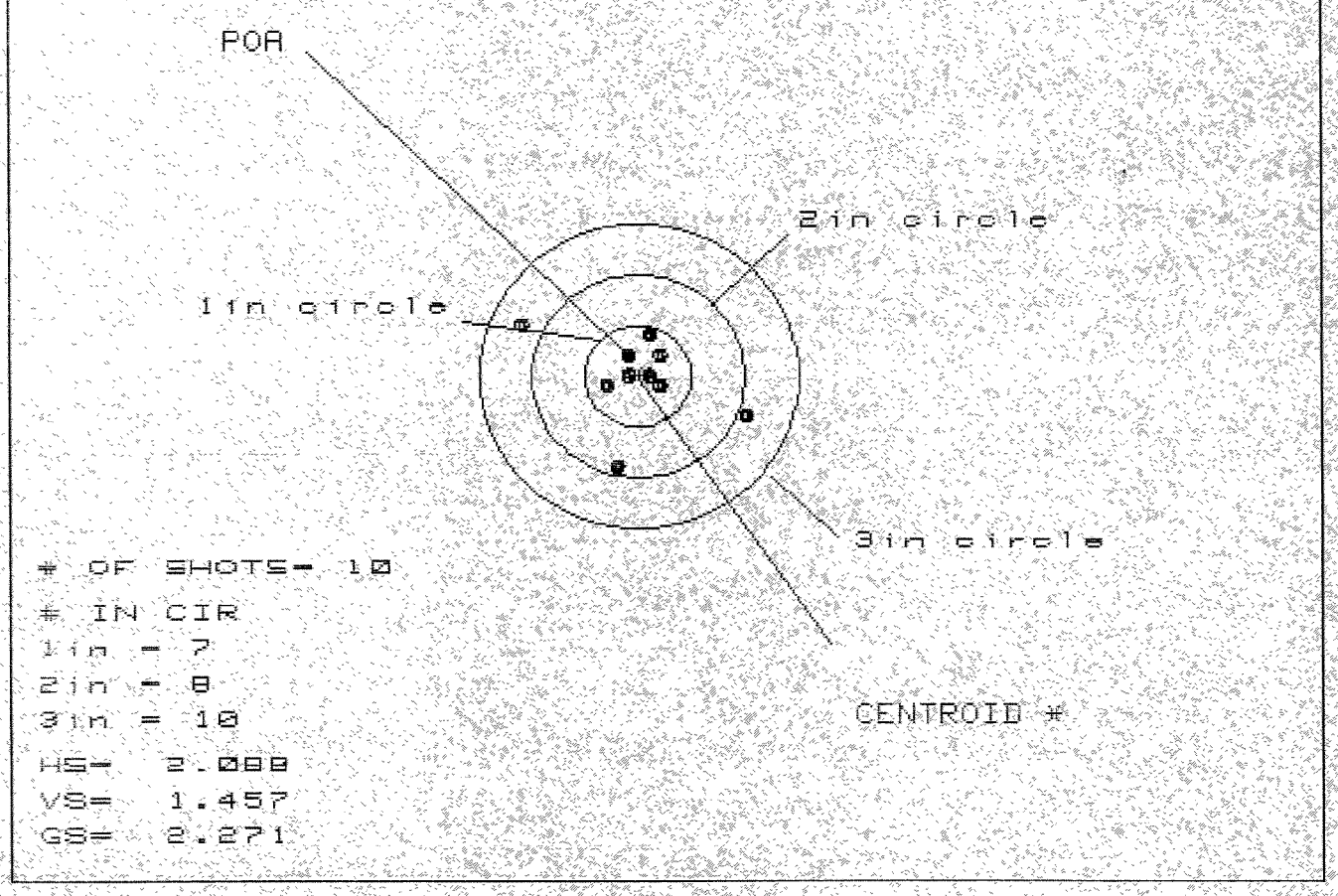
<-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.089
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .053
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .103586

THE AMR FOR THIS RIFLE IS: .7952

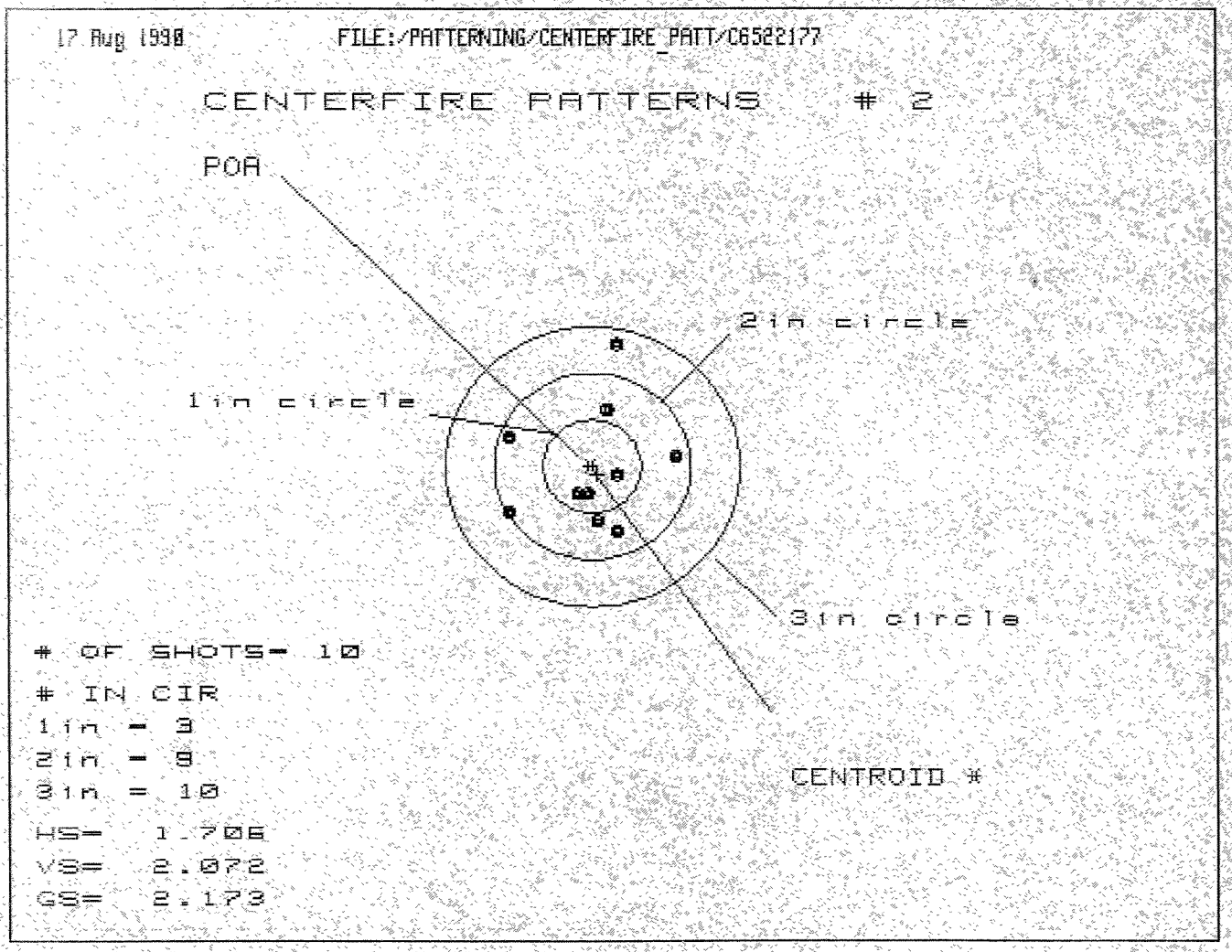
17 Aug 1930 FILE:/PATTERNING/CENTERFIRE_PATT/C8522177

CENTERFIRE PATTERNS # 1

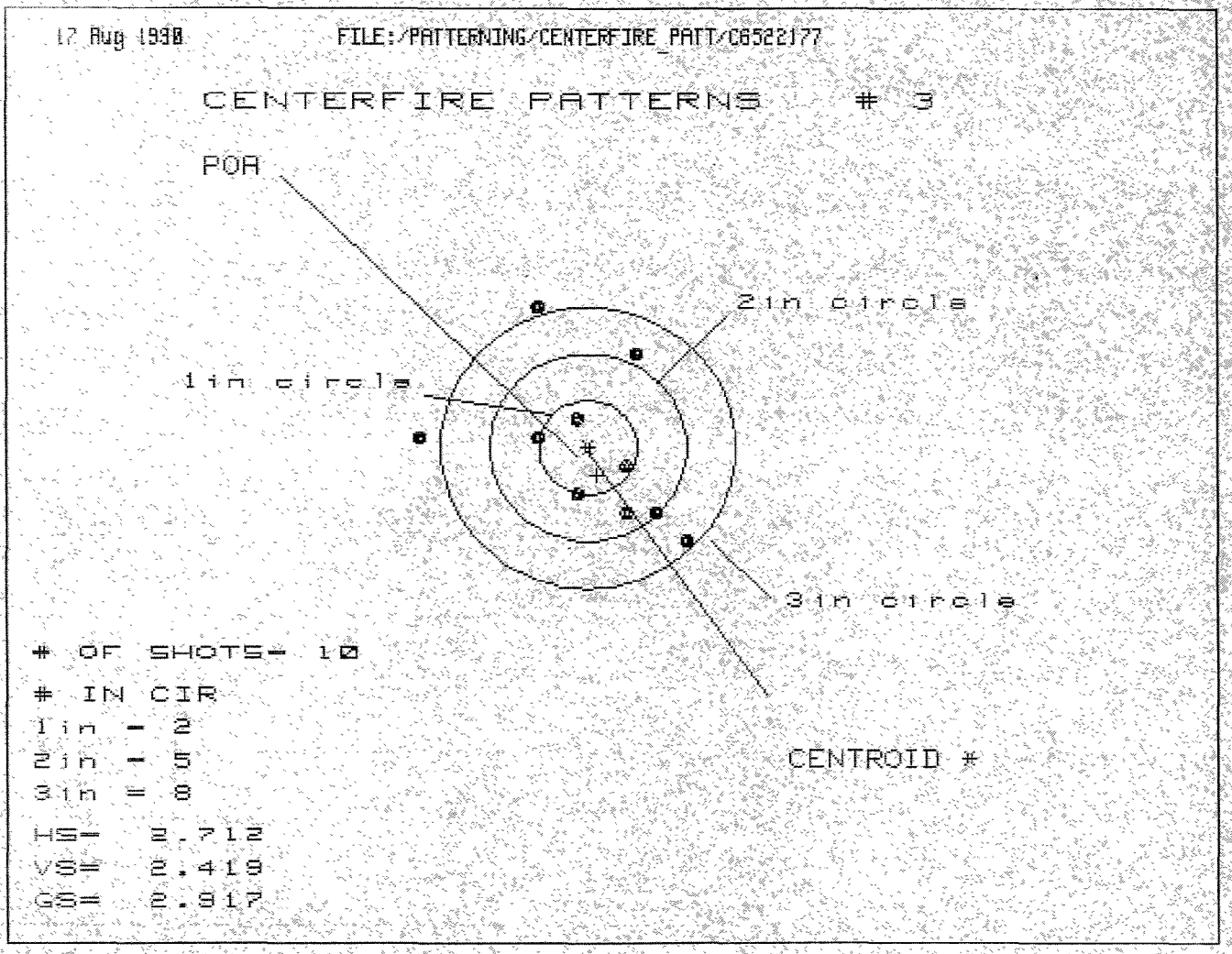


# OF SHOTS= 10
# IN CIR
1in = 7
2in = 8
3in = 10
HS= 2.088
VS= 1.457
GS= 2.271

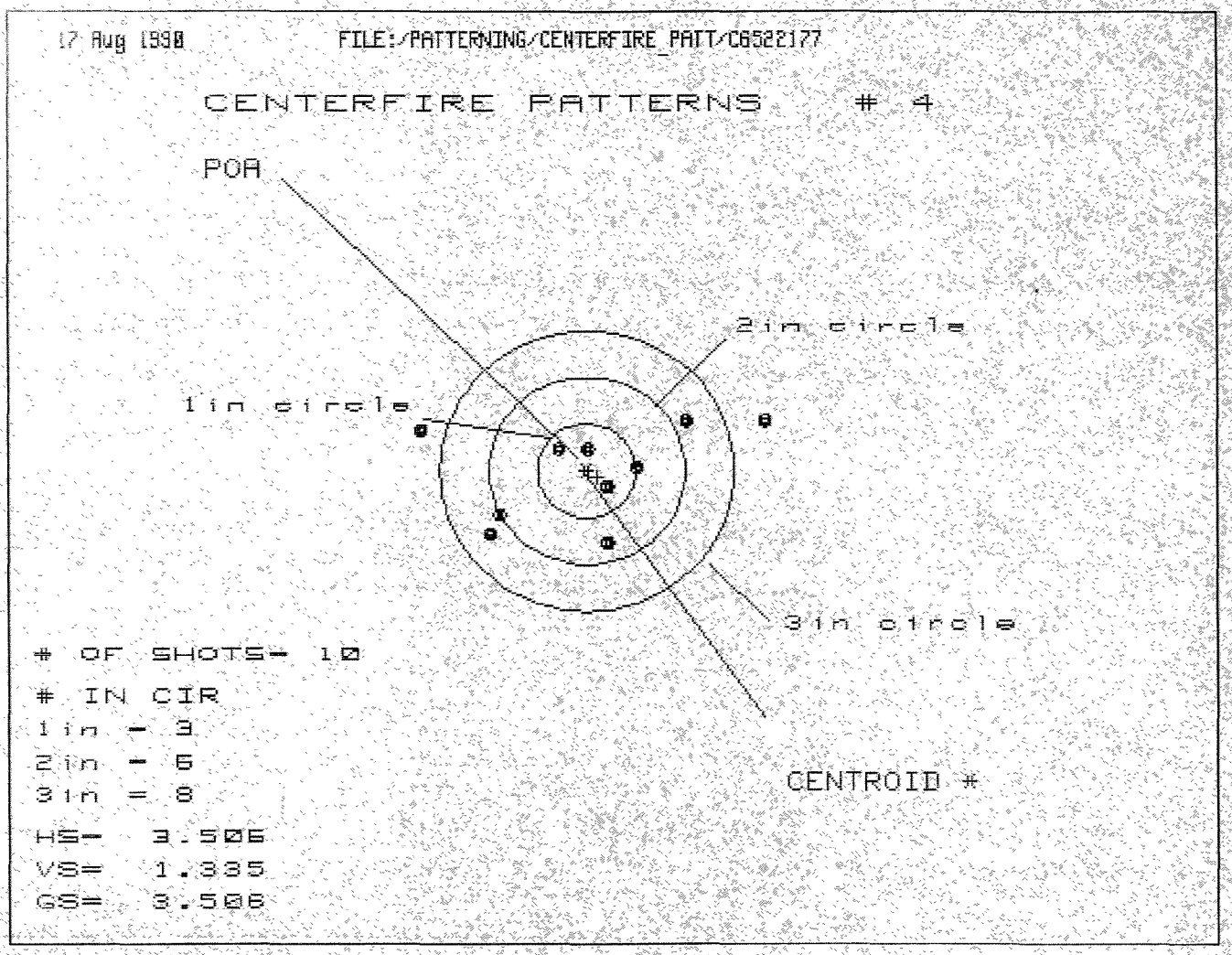
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.013	.894	.228
MINIMUM X	:	-1.075	-.415	-.803
MAXIMUM Y	:	.525	.497	.459
MINIMUM Y	:	-.932	-.874	-.912
CENTROID X	:	-.104	.015	-.097
CENTROID Y	:	-.011	-.069	-.031
POA TO CENTROID in.	:	.105	.071	.101
MIN RADIUS	:	.067	.087	.087
MEAN RADIUS	:	.494	.421	.337
MAX RADIUS	:	1.196	.946	.926
HORIZONTAL SPREAD	:	2.088	1.309	.531
VERTICAL SPREAD	:	1.457	1.371	1.371
EXTREME SPREAD	:	2.271	1.388	1.388
NUMBER IN ONE INCH CIRCLE	=		7	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	



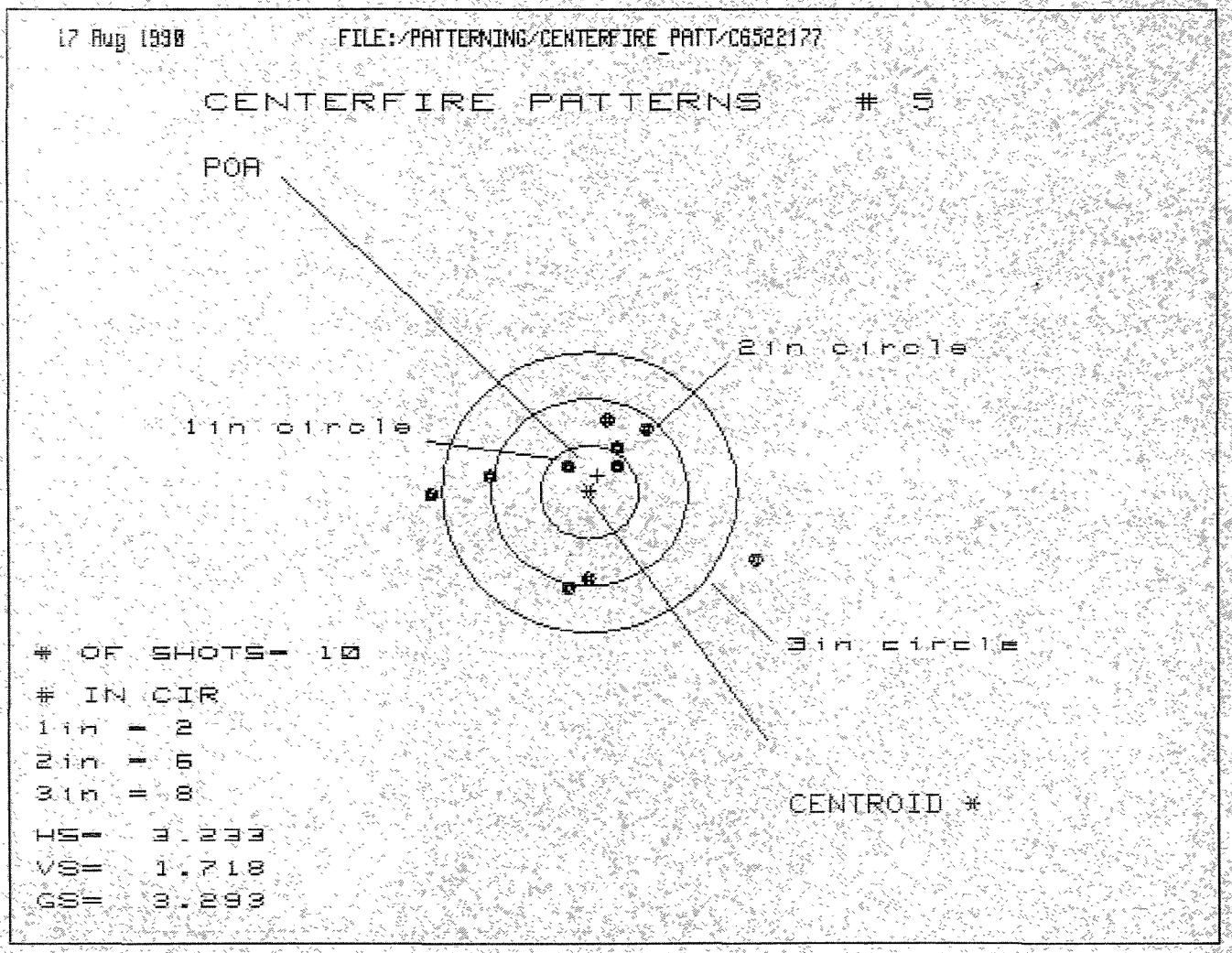
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.846	.877	.774
MINIMUM X	:	-.860	-.829	-.888
MAXIMUM Y	:	1.344	.799	.754
MINIMUM Y	:	-.728	-.578	-.623
CENTROID X	:	-.055	-.086	.017
CENTROID Y	:	.088	-.062	-.017
POA TO CENTROID in.	:	.103	.106	.024
MIN RADIUS	:	.252	.100	.172
MEAN RADIUS	:	.694	.573	.534
MAX RADIUS	:	1.374	.927	.983
HORIZONTAL SPREAD	:	1.706	1.706	1.662
VERTICAL SPREAD	:	2.072	1.377	1.377
EXTREME SPREAD	:	2.173	1.827	1.670
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.007	.818	.736
MINIMUM X	:	-1.705	-.688	-.770
MAXIMUM Y	:	1.463	1.476	1.183
MINIMUM Y	:	-.956	-.943	-.758
CENTROID X	:	-.090	.099	.181
CENTROID Y	:	.297	.284	.099
POA TO CENTROID in.	:	.310	.301	.207
MIN RADIUS	:	.351	.240	.113
MEAN RADIUS	:	.933	.832	.697
MAX RADIUS	:	1.709	1.615	1.195
HORIZONTAL SPREAD	:	2.712	1.506	1.506
VERTICAL SPREAD	:	2.419	2.419	1.941
EXTREME SPREAD	:	2.917	2.832	2.020
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.788	1.255	1.065
MINIMUM X	:	-1.718	-1.519	-1.016
MAXIMUM Y	:	.537	.591	.652
MINIMUM Y	:	-.798	-.744	-.683
CENTROID X	:	-.110	-.309	-.119
CENTROID Y	:	.067	.013	-.048
POA TO CENTROID in.	:	.129	.309	.129
MIN RADIUS	:	.271	.256	.267
MEAN RADIUS	:	.922	.827	.705
MAX RADIUS	:	1.853	1.595	1.249
HORIZONTAL SPREAD	:	3.506	2.774	2.081
VERTICAL SPREAD	:	1.335	1.335	1.335
EXTREME SPREAD	:	3.506	2.776	2.389
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.639	.729	.552
MINIMUM X	:	-1.595	-1.412	-.979
MAXIMUM Y	:	.740	.663	.644
MINIMUM Y	:	-.978	-1.055	-1.074
CENTROID X	:	-.086	-.269	-.092
CENTROID Y	:	-.176	-.099	-.080
POA TO CENTROID in.	:	.196	.286	.122
MIN RADIUS	:	.359	.231	.278
MEAN RADIUS	:	.933	.827	.718
MAX RADIUS	:	1.780	1.420	1.097
HORIZONTAL SPREAD	:	3.233	2.141	1.531
VERTICAL SPREAD	:	1.718	1.718	1.718
EXTREME SPREAD	:	3.293	2.268	1.830
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	