C6349132

MODEL 700™ M24

Model SWS ™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

M2400108501

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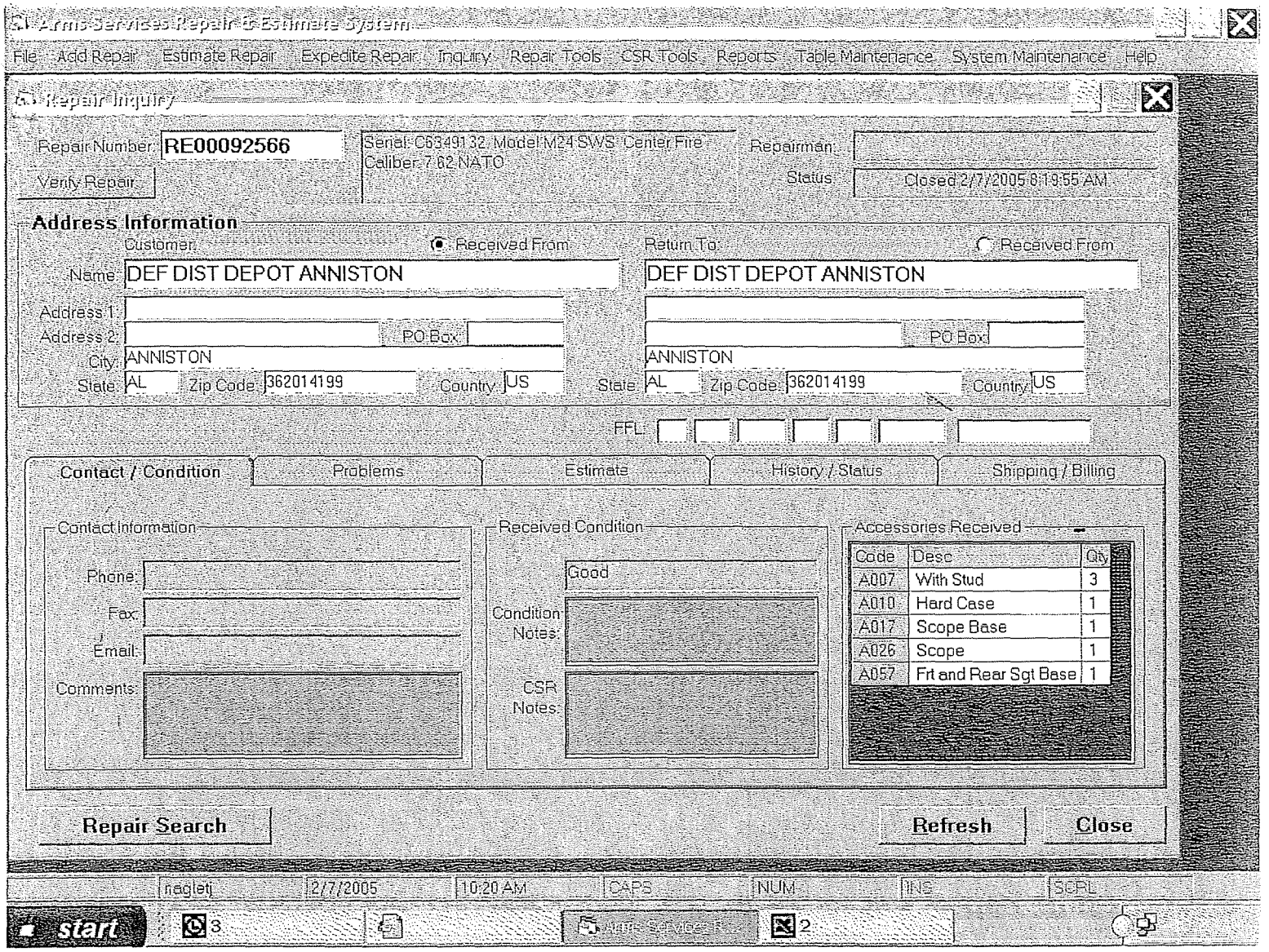

Army Services Repair & Estimate System
File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help
Repair Inquiry
Repair Number: RE00092566
Verify Repair
Serial: C63491 32, Model: M24 SWS, Center Fire, Caliber: 7.62 NATO
Repairman:
Status: Closed 2/7/2005 8:19:55 AM
Address Information
Customer
Received From
Name: DEF DIST DEPOT ANNISTON
Address 1:
Address 2:
PO Box:
City: ANNISTON
State: AL Zip Code: 362014199 Country: US
Return To:
Received From
DEF DIST DEPOT ANNISTON
PO Box:
ANNISTON
State: AL Zip Code: 362014199 Country: US
FFL:
Contact / Condition
Problems
Estimate
History / Status
Shipping / Billing
Contact Information
Phone:
Fax:
Email:
Comments:
Received Condition
Good
Condition Notes:
CSR Notes:
Accessories Received
Code Desc Qty
A007 With Stud 3
A010 Hard Case 1
A017 Scope Base 1
A026 Scope 1
A057 Frt and Rear Sgt Base 1
Repair Search
Refresh
Close
nagletj
2/7/2005
10:20 AM
CAPS
NUM
INS
SCRL
start


Serial Number: C63491 32
Model: M24 SWS
RE00092566

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349132.__0
FILE DATE AND TIME: 04/21/2005 07:05

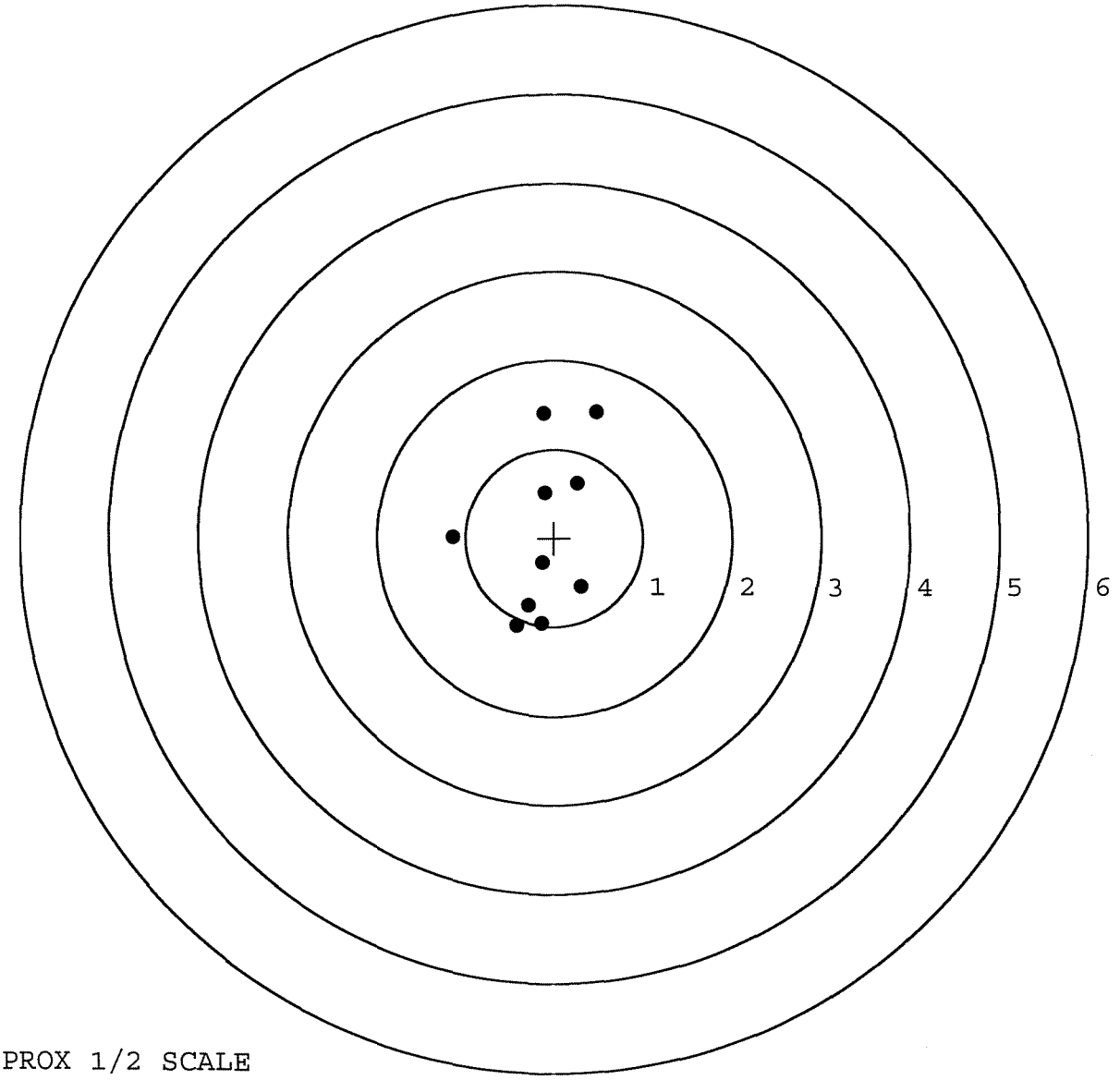
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.075
The Average Y Centroid of the Five Target Set:	-0.165
The Average Point of Impact of the Five Target Set:	0.181
The Average Mean Radius of the Five Target Set:	1.095
The Distance from POA to Centroid Target #1:	0.137
The Distance from Centroid Target #2 to Centroid Target #1:	0.621
The Distance from Centroid Target #3 to Centroid Target #1:	0.478
The Distance from Centroid Target #4 to Centroid Target #1:	0.121
The Distance from Centroid Target #5 to Centroid Target #1:	0.657

SERIAL NUMBER: C6349132.__0
TARGET NUMBER: 1
FILE DATE: 04/21/2005
FILE TIME: 07:05

X CENTROID:	-0.131
Y CENTROID:	0.039
POA TO CENTROID:	0.137
HORZ SPREAD:	1.621
VERT SPREAD:	2.416
GROUP SPREAD:	2.578
MIN RADIUS:	0.324
MAX RADIUS:	1.509
MEAN RADIUS:	0.902
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	5
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.310	-0.558
2:	-0.137	-0.285
3:	-0.141	-0.969
4:	-0.420	-0.997
5:	-1.141	0.018
6:	0.266	0.616
7:	0.480	1.419
8:	-0.126	1.402
9:	-0.113	0.507
10:	-0.289	-0.761

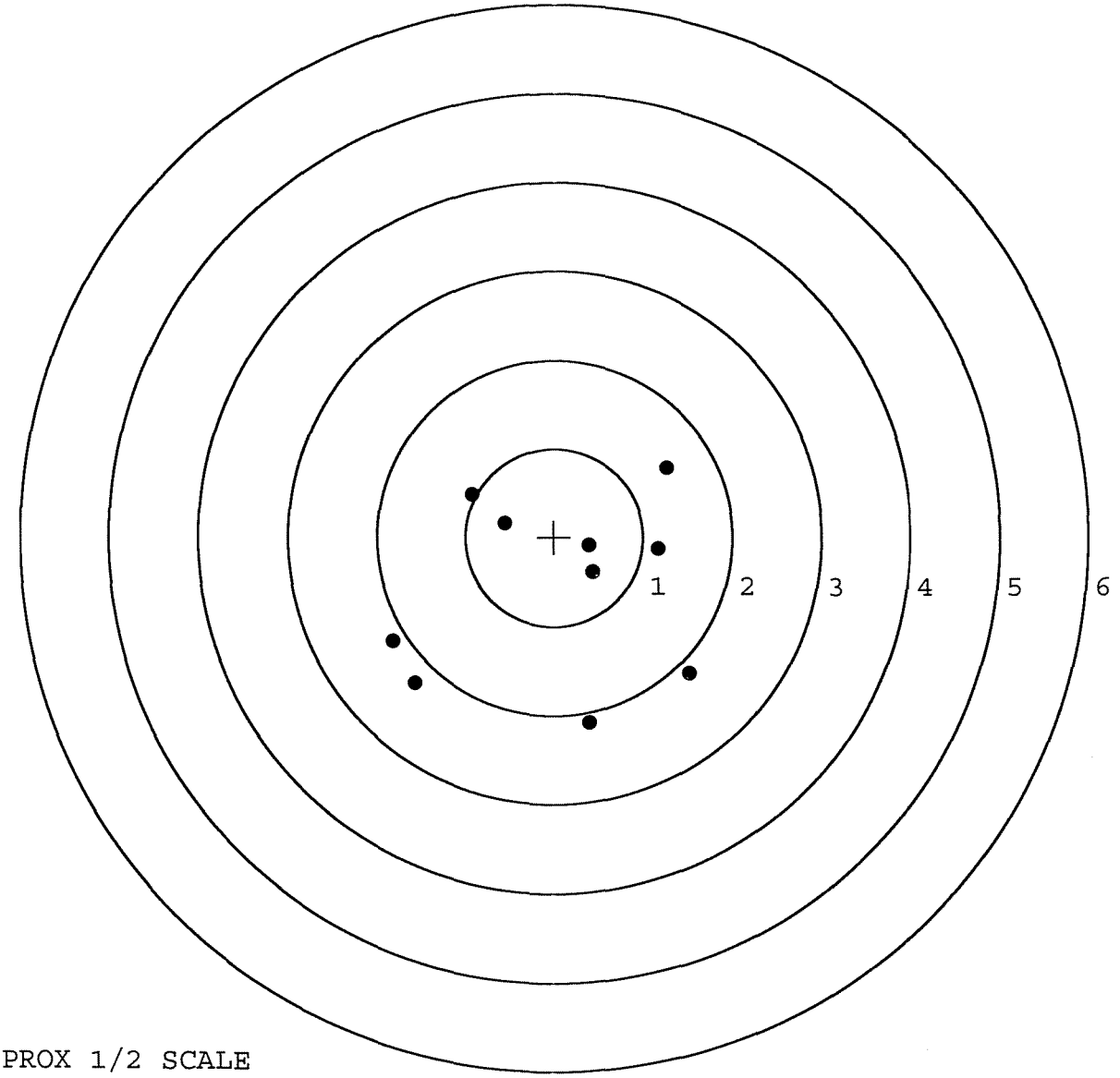


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349132.__0
TARGET NUMBER: 2
FILE DATE: 04/21/2005
FILE TIME: 07:05

X CENTROID:	0.030
Y CENTROID:	-0.560
POA TO CENTROID:	0.561
HORZ SPREAD:	3.348
VERT SPREAD:	2.862
GROUP SPREAD:	3.648
MIN RADIUS:	0.436
MAX RADIUS:	1.951
MEAN RADIUS:	1.362
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	3
# in 3 IN DIAMETER:	5

POINT#	X	Y
1:	1.167	-0.136
2:	1.261	0.782
3:	0.396	-0.095
4:	0.434	-0.396
5:	-0.555	0.157
6:	-0.930	0.485
7:	-1.825	-1.163
8:	-1.568	-1.634
9:	0.400	-2.080
10:	1.523	-1.523

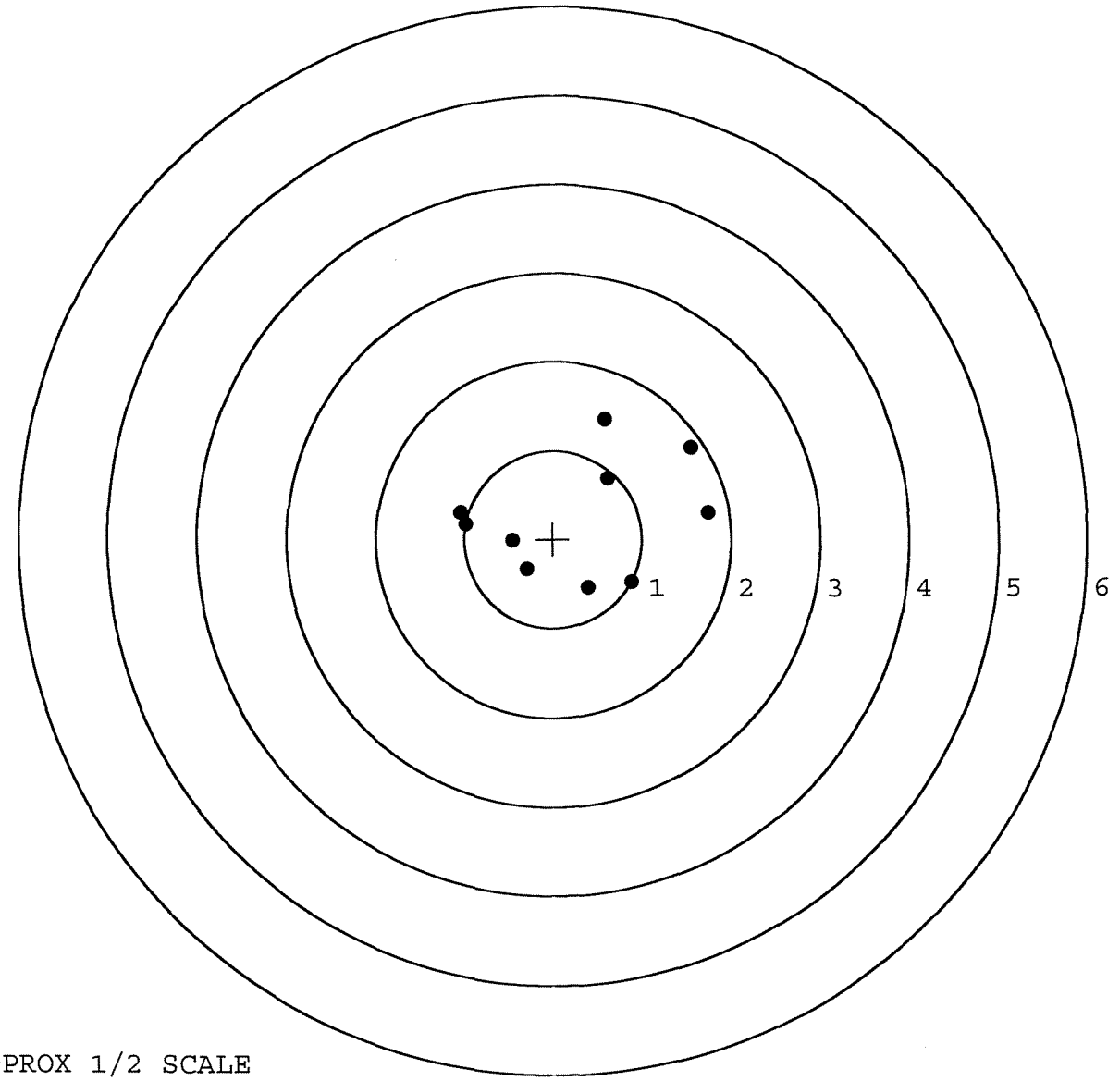


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349132.__0
TARGET NUMBER: 3
FILE DATE: 04/21/2005
FILE TIME: 07:05

X CENTROID:	0.300
Y CENTROID:	0.245
POA TO CENTROID:	0.387
HORZ SPREAD:	2.786
VERT SPREAD:	1.897
GROUP SPREAD:	2.699
MIN RADIUS:	0.544
MAX RADIUS:	1.482
MEAN RADIUS:	1.062
# IN 1 IN DIAMETER:	0
# IN 2 IN DIAMETER:	5
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.886	-0.492
2:	0.395	-0.550
3:	-0.295	-0.346
4:	-0.454	-0.014
5:	-1.046	0.306
6:	-0.983	0.171
7:	1.740	0.302
8:	0.616	0.688
9:	1.552	1.038
10:	0.587	1.347

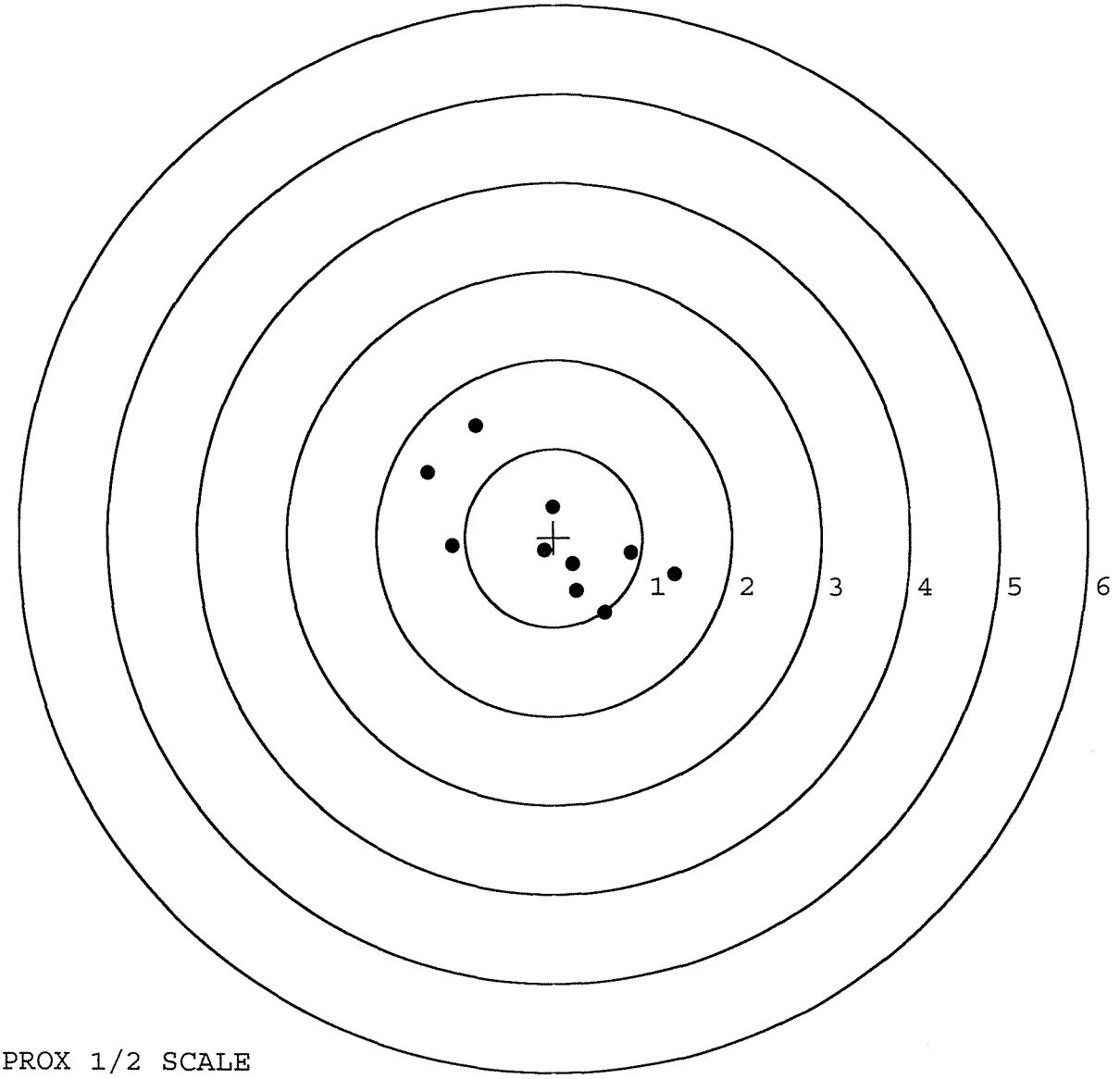


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349132.__0
TARGET NUMBER: 4
FILE DATE: 04/21/2005
FILE TIME: 07:05

X CENTROID:	-0.028
Y CENTROID:	-0.024
POA TO CENTROID:	0.037
HORZ SPREAD:	2.779
VERT SPREAD:	2.100
GROUP SPREAD:	3.009
MIN RADIUS:	0.148
MAX RADIUS:	1.589
MEAN RADIUS:	0.915
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	5
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	1.356	-0.418
2:	0.873	-0.174
3:	0.579	-0.840
4:	0.257	-0.602
5:	-1.146	-0.097
6:	-1.423	0.737
7:	-0.877	1.260
8:	-0.007	0.345
9:	-0.107	-0.150
10:	0.217	-0.305

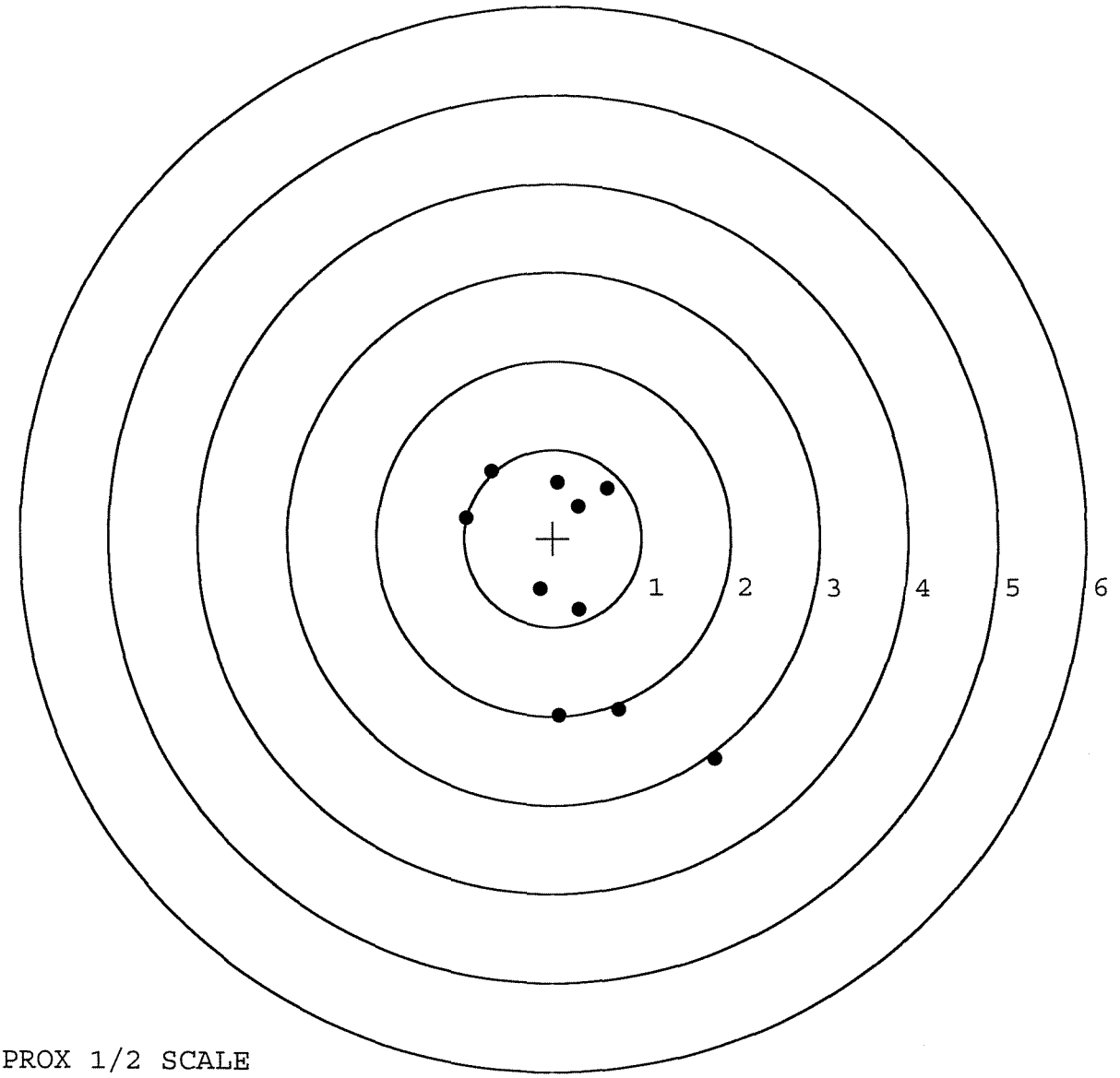


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349132.__0
TARGET NUMBER: 5
FILE DATE: 04/21/2005
FILE TIME: 07:05

X CENTROID:	0.205
Y CENTROID:	-0.525
POA TO CENTROID:	0.564
HORZ SPREAD:	2.804
VERT SPREAD:	3.234
GROUP SPREAD:	4.102
MIN RADIUS:	0.300
MAX RADIUS:	2.536
MEAN RADIUS:	1.235
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	3
# in 3 IN DIAMETER:	7

POINT#	X	Y
1:	1.825	-2.476
2:	0.744	-1.927
3:	0.069	-1.996
4:	0.294	-0.812
5:	-0.142	-0.578
6:	-0.979	0.232
7:	-0.699	0.758
8:	0.052	0.632
9:	0.282	0.356
10:	0.609	0.561



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92566		
SERIAL NUMBER	C6349132		
LOG-IN DATE	2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-15-05	RTL
560 A	RE-BARREL	3-17-05	RTL
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTL
600	PROOF	3-21-05	AC
605	CHECK HEADSPACE	3-21-05	AC
610	DIS-ASSEMBLE GUN	3-21-05	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3/29	
620	APPLY COATINGS	4/5	
625 A	FINAL ASSEMBLY	4-20-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	4-22-05	AC
D	SAFETY "OFF" FORCE	4-22-05	AC
E	FIRING PIN INDENT	4-22-05	AC
640	TARGET	4-21-05	AC
655	FINAL INSPECT	4-22-05	AC
660	PACK	4-23-05	DA
		SHIP DATE	
	QAR INSPECTION DATE		

MOD. _____ GA. _____ CAL. _____ GUN # C6349132

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Shaves brass & don't eject	DW
	2nd		
	3rd		
	4th		

FUNCTION RD 6654 Rev 1

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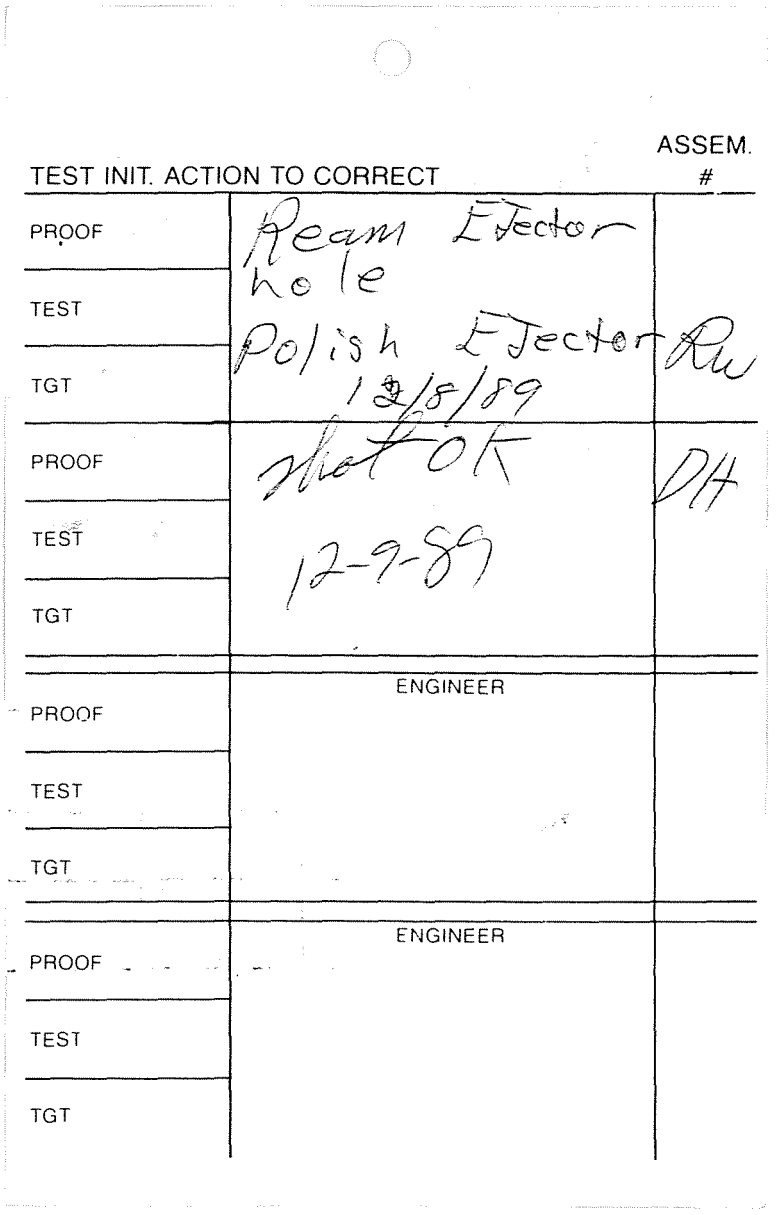
TEST INIT. ACTION TO CORRECT
ASSEM. #
PROOF
TEST
TGT
Ream Ejector hole
Polish Ejector Rw
12/8/89
PROOF
TEST
TGT
Not OK
DH
12-9-89
ENGINEER
PROOF
TEST
TGT
ENGINEER
PROOF
TEST
TGT

CONTRACT # DAAA21-87-C-0086

0690

GUN SERIAL # C6349132

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY 10-9 89		RW
600	Proof	QUALITY 10-9 89		
607	Check Headspace	AUDIT 10-9-89		RW
610	Dis-assemble Gun	10-9-89		RW
612	Magnaflux Barrel Action	10/31/89		KCR
	Magnaflux Bolt	10/31/89		KCR
615	Rollmark Caliber	10/31/89		C.S.
.7	Drill and Tap Sight Holes		10/31/89	FB
618	Polish Barrel RB		10/31/89	WS
620	Apply Coatings (Barrel Action)		11-3-89	
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/6/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/6/89	RW
	C) Inspect Ejector Hole for Chamfer		11/6/89	RW
	D) Oil Firing Pin Ass'y		11/6/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-14-89	DS

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op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			11/14/89	JH
	G) Safety Off Force	4	4	4			11/14/89	JH
	H) Trigger Pull Test & Retainability						11-14-89	JSS
	I) Firing Pin Indent	.020	.021	.020			11-14-89	JH
	J) Assemble Stock						11/14/89	RW
	K) Assemble Swivel Studs						17 NOV 89	JSS
	L) Attach Front and Rear Sight Assemblies						11/14/89	RW
	M) Iron Sight Alignment						11/14/89	RW
	N) Detach Front & Rear Sights & place in numbered container						11/14/89	RW
	O) Attach Scope to Rifle						11-14-89	JH
	P) Detach & Attach Scope 20 Times						11-14-89	JH
640	Gallery Target & Test						11-15-89	A
	A) Time						11-15-89	A
	B) Malfunctions						11-15-89	A
	C) Pierced Primers						11-15-89	A
	D) Optical Clearity of Scope						11-15-89	A
645	Inspect for Live Ammo						11-15-89	A
655	Final Inspection A) Headspace						17 NOV 89	JSS
	B) Trigger Pull	272	286	276	273	267	17 NOV 89	JSS
	C) Function						17 NOV 89	JSS
660	Pack						14 Dec 89	JSS

MALFUNCTION: SHAVES BRASS - DOESN'T EXTRACT
CORRECTIVE ACTION: REAM EJECTOR HOLE & POLISH EJECTOR
100 Rd TEST SHOT OK
D. H. 12/9/89

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SWS TRIGGER PULL TEST

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

SERIAL NO. C634 9132
DATE 10 Mar 90
TESTER JSD

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	260	2.55	264	MIN. SETTING,
PULL #2	264	2.59	261	NO AVG. OF 5
PULL #3	241	2.58	256	READINGS ACCEPT-
PULL #4	261	2.47	260	ABLE LESS THAN 2#
PULL #5	259	259	263	
TOTAL	1275	1268	1304	
AVG.	2.55	2.536	2.608	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	2.94	2.86		
PULL #2	2.83	2.80		
PULL #3	2.81	2.79		
PULL #4	2.85	2.86		
PULL #5	2.88	2.87		
TOTAL	14 31	1418		
AVG.	2.862	2.836		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	405	3.93		
PULL #2	401	3.91		
PULL #3	405	3.98		
PULL #4	405	3.98		
PULL #5	404	3.98		
TOTAL	2020	1978		
AVG.	4.04	3.956		

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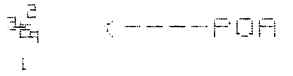
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349132
15 Nov 1989

CENTROIDAL DISTANCES

0	TO	1	.631007
1	TO	2	.967186
1	TO	3	.755541
1	TO	4	.554388
1	TO	5	.592839

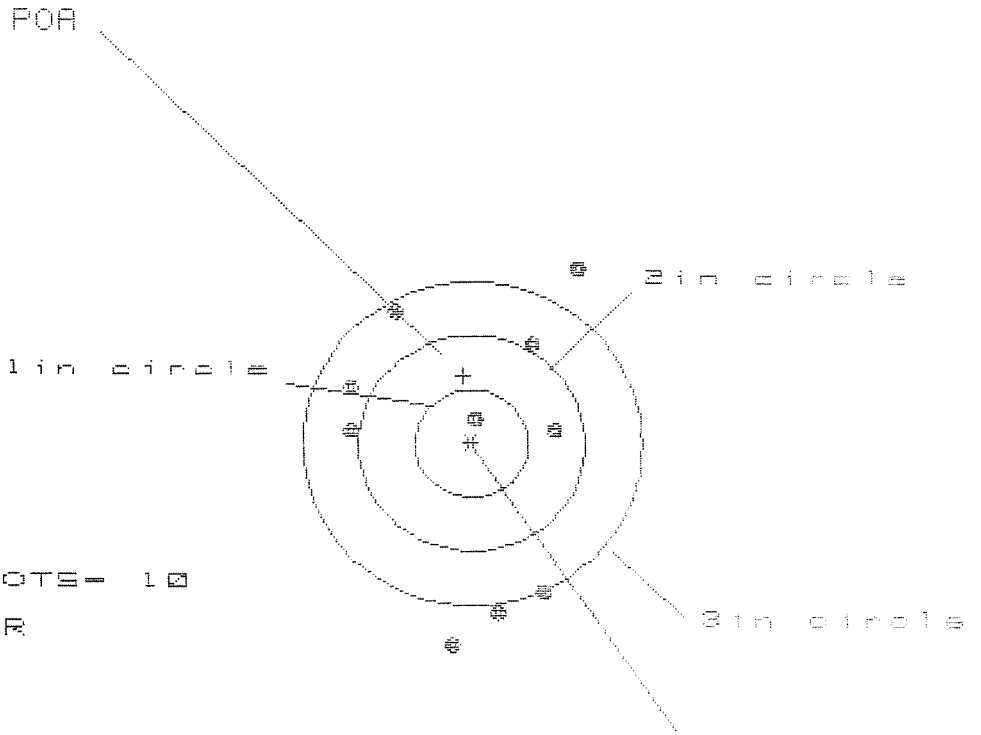


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1304
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0698
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .13917

THE AMR FOR THIS RIFLE IS: .9336

15 Nov 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6345132

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

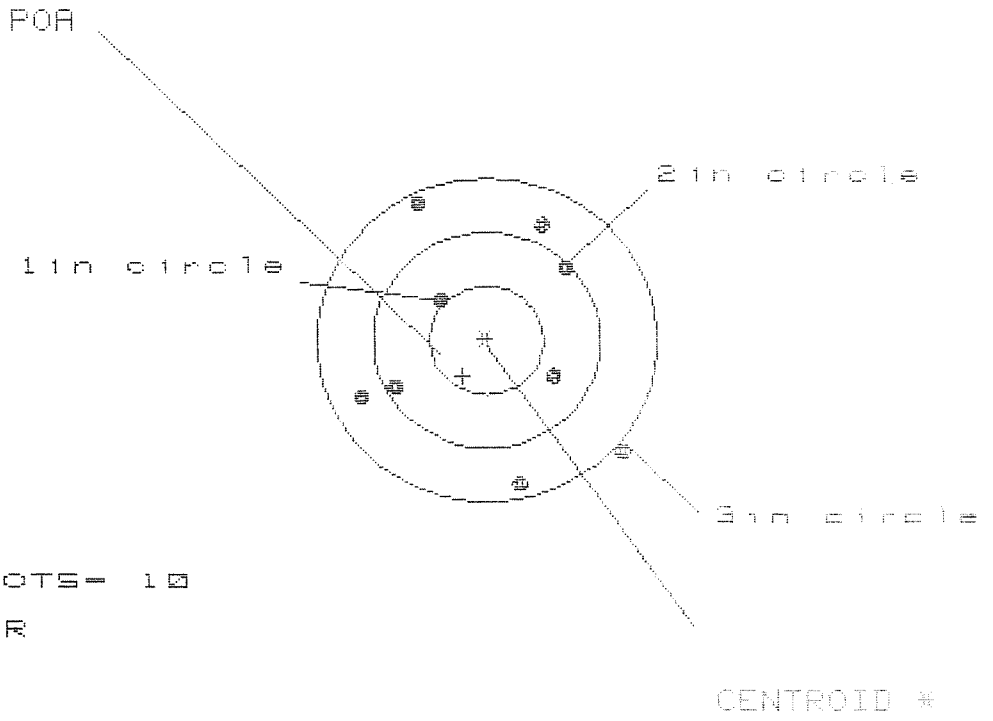
# IN CIR
1in = 1
2in = 2
3in = 7

HS= 1.987
VS= 3.506
GS= 3.648

PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.884	.843	.840
MINIMUM X	:	-1.103	-1.005	-1.008
MAXIMUM Y	:	1.672	1.430	1.224
MINIMUM Y	:	-1.834	-1.649	-1.639
CENTROID X	:	.071	-.027	-.024
CENTROID Y	:	-.627	-.812	-.606
POA TO CENTROID in.	:	.631	.813	.607
MIN RADIUS	:	.199	.404	.218
MEAN RADIUS	:	1.257	1.205	1.104
MAX RADIUS	:	1.891	1.649	1.669
HORIZONTAL SPREAD	:	1.987	1.848	1.848
VERTICAL SPREAD	:	3.506	3.079	2.863
EXTREME SPREAD	:	3.648	3.131	3.005
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

15 Nov 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6349132

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

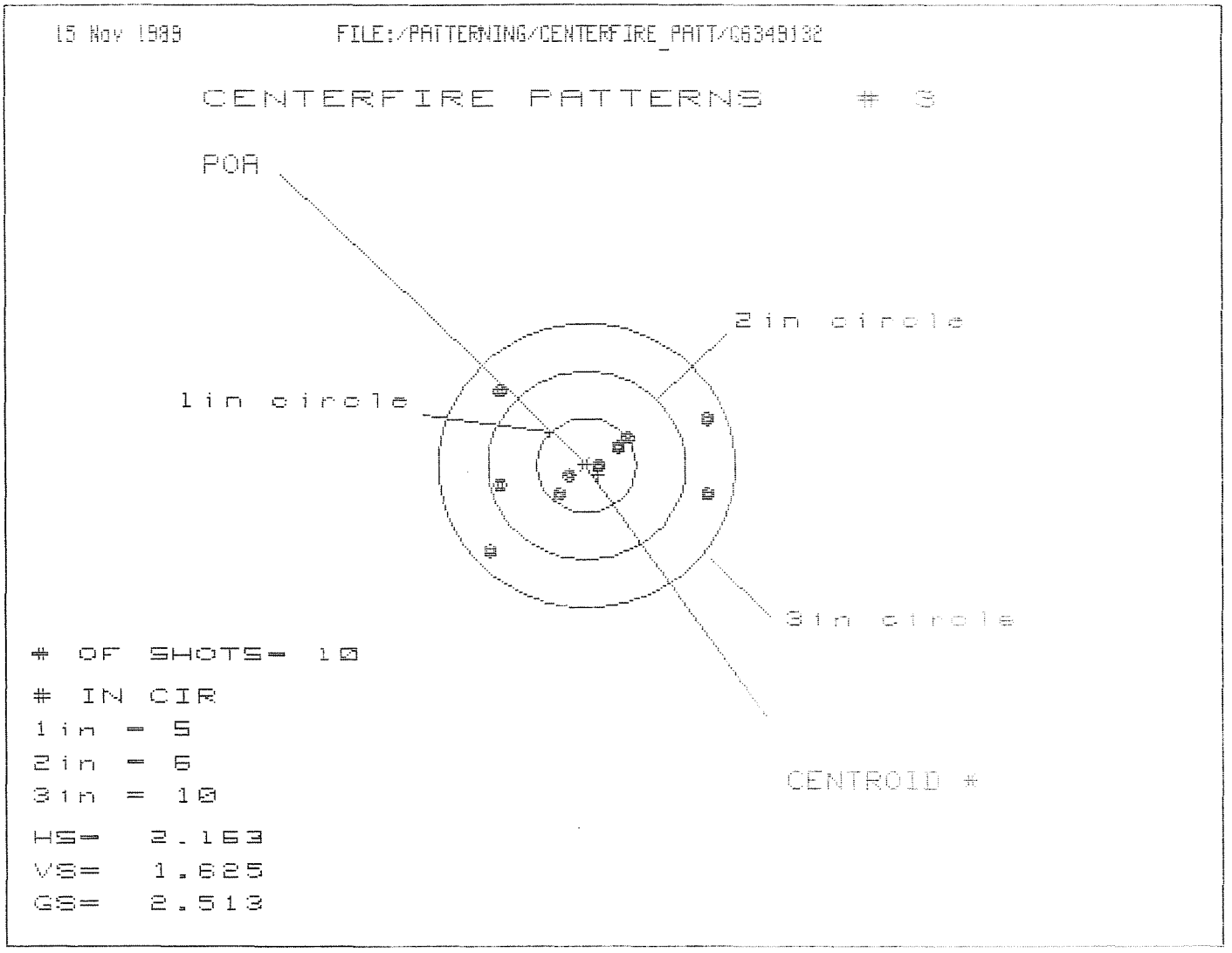
# IN CIR
1in = 0
2in = 5
3in = 9

HS= 2.251
VS= 2.604
GS= 2.884

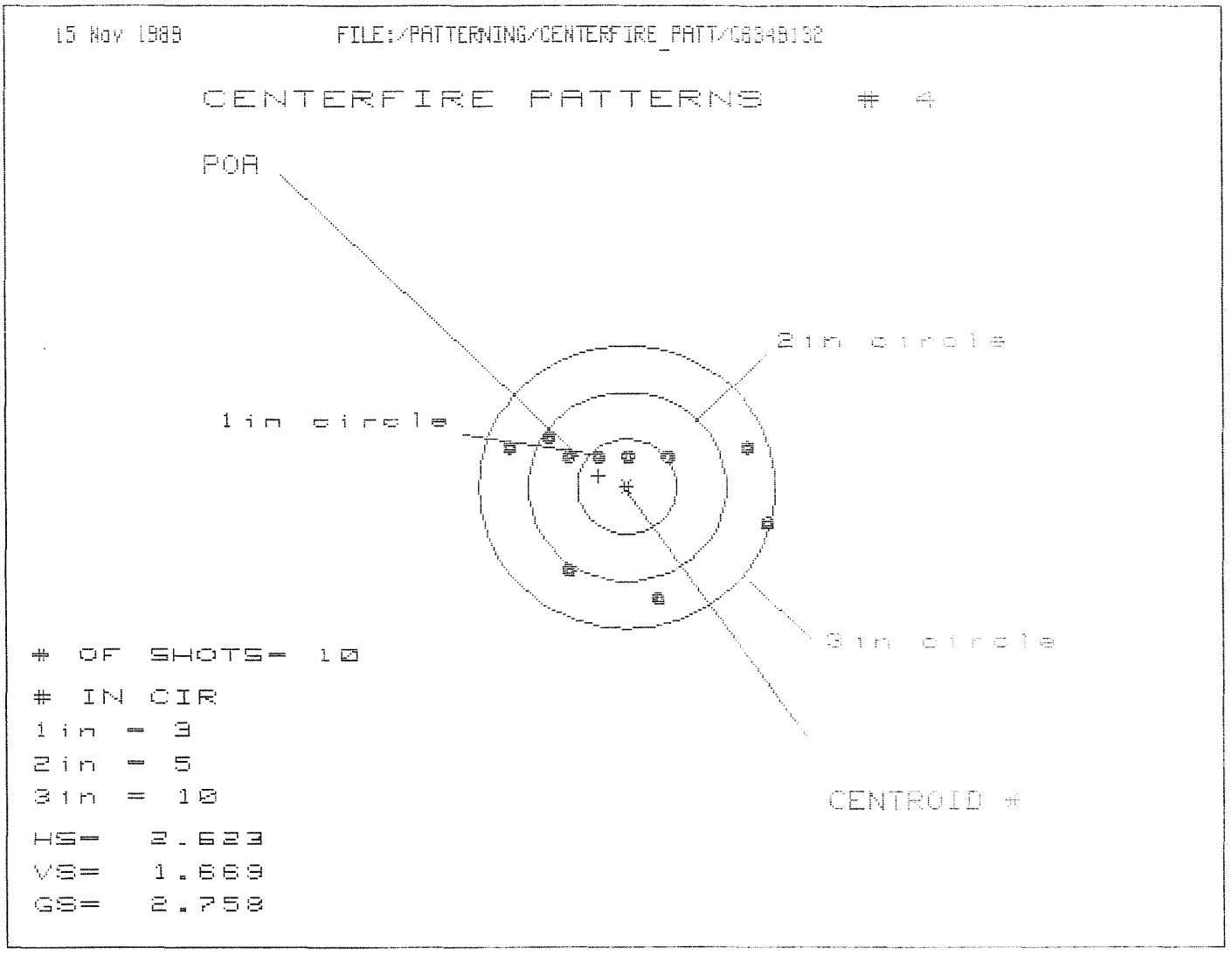
PATTERN # : 2

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.180	.843	.896
MINIMUM X	:	-1.071	-.940	-.887
MAXIMUM Y	:	1.225	1.106	.919
MINIMUM Y	:	-1.378	-1.498	-.855
CENTROID X	:	.211	.080	.027
CENTROID Y	:	.330	.449	.636
POA TO CENTROID in.	:	.391	.456	.637
MIN RADIUS	:	.518	.342	.191
MEAN RADIUS	:	1.036	.939	.820
MAX RADIUS	:	1.595	1.556	1.232
HORIZONTAL SPREAD	:	2.251	1.783	1.783
VERTICAL SPREAD	:	2.604	2.604	1.774
EXTREME SPREAD	:	2.884	2.739	2.208

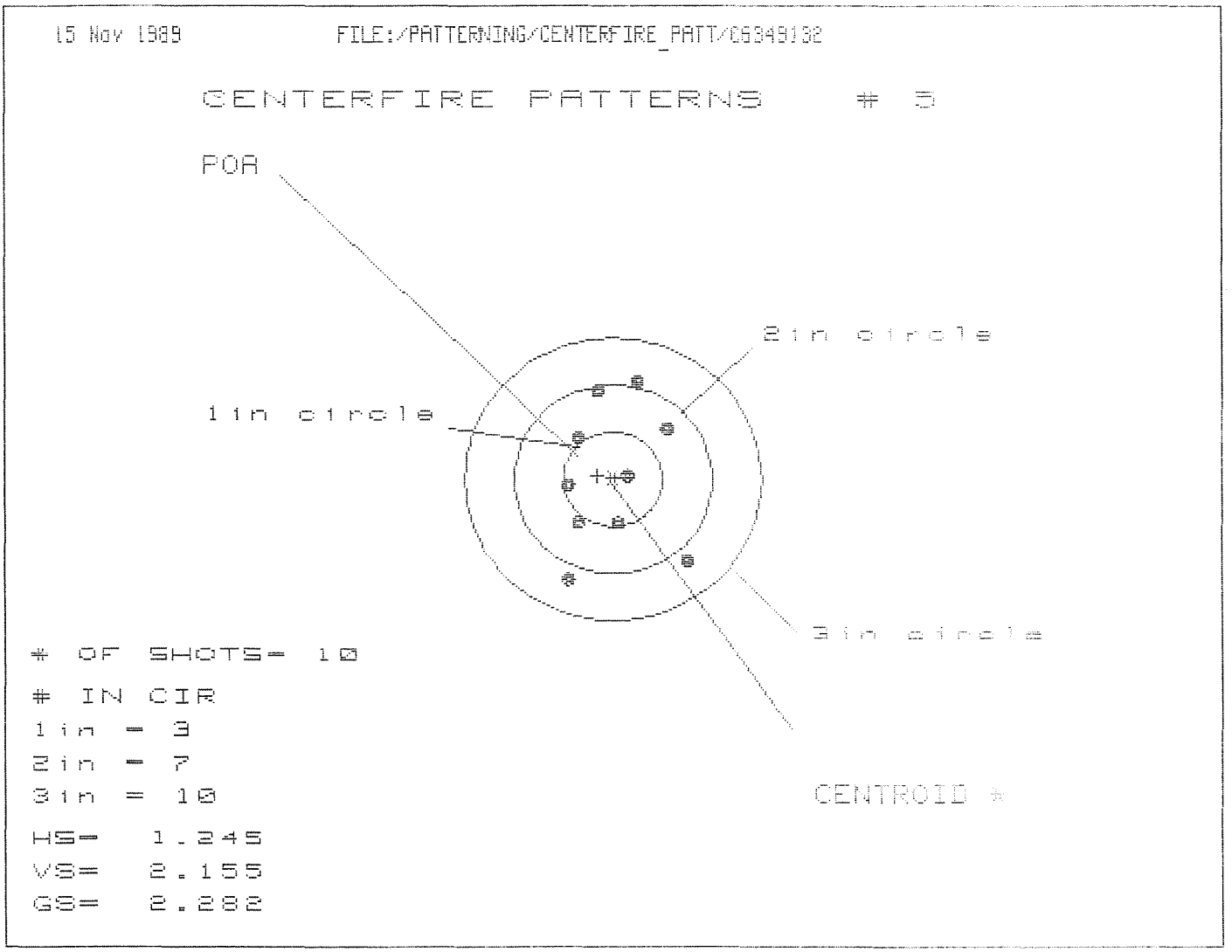
NUMBER IN ONE INCH CIRCLE = 0
NUMBER IN TWO INCH CIRCLE = 5
NUMBER IN THREE INCH CIRCLE = 9



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.214	1.109	1.243
MINIMUM X	:	-.949	-.994	-.860
MAXIMUM Y	:	.765	.669	.717
MINIMUM Y	:	-.860	-.409	-.861
CENTROID X	:	-.120	-.015	-.149
CENTROID Y	:	.104	.200	.152
POA TO CENTROID in.	:	.159	.200	.213
MIN RADIUS	:	.170	.142	.211
MEAN RADIUS	:	.756	.688	.628
MAX RADIUS	:	1.281	1.194	1.294
HORIZONTAL SPREAD	:	2.163	2.103	2.103
VERTICAL SPREAD	:	1.625	1.078	1.078
EXTREME SPREAD	:	2.513	2.359	2.359
NUMBER IN ONE INCH CIRCLE	=	5		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.393	1.410	.733
MINIMUM X	:	-1.230	-1.075	-.899
MAXIMUM Y	:	.473	.429	.476
MINIMUM Y	:	-1.196	-1.240	-1.193
CENTROID X	:	.286	.131	-.045
CENTROID Y	:	-.116	-.072	-.119
POA TO CENTROID in.	:	.308	.149	.127
MIN RADIUS	:	.283	.260	.284
MEAN RADIUS	:	.904	.810	.723
MAX RADIUS	:	1.449	1.460	1.357
HORIZONTAL SPREAD	:	2.623	2.485	1.632
VERTICAL SPREAD	:	1.669	1.669	1.669
EXTREME SPREAD	:	2.758	2.485	2.261
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.773	.720	.581
MINIMUM X	:	-.473	-.502	-.412
MAXIMUM Y	:	1.066	.945	.824
MINIMUM Y	:	-1.089	-.967	-.675
CENTROID X	:	.154	.207	.117
CENTROID Y	:	-.040	.081	.202
POA TO CENTROID in.	:	.160	.222	.233
MIN RADIUS	:	.129	.146	.297
MEAN RADIUS	:	.715	.663	.591
MAX RADIUS	:	1.187	1.206	.882
HORIZONTAL SPREAD	:	1.245	1.222	.993
VERTICAL SPREAD	:	2.155	1.912	1.499
EXTREME SPREAD	:	2.282	1.998	1.623

NUMBER IN ONE INCH CIRCLE = 3
NUMBER IN TWO INCH CIRCLE = 7
NUMBER IN THREE INCH CIRCLE = 10

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M2400108521

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. C6349132

ORDER NO. 5716

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