C652257

MODEL 700™ M24

Model SWS™

Action

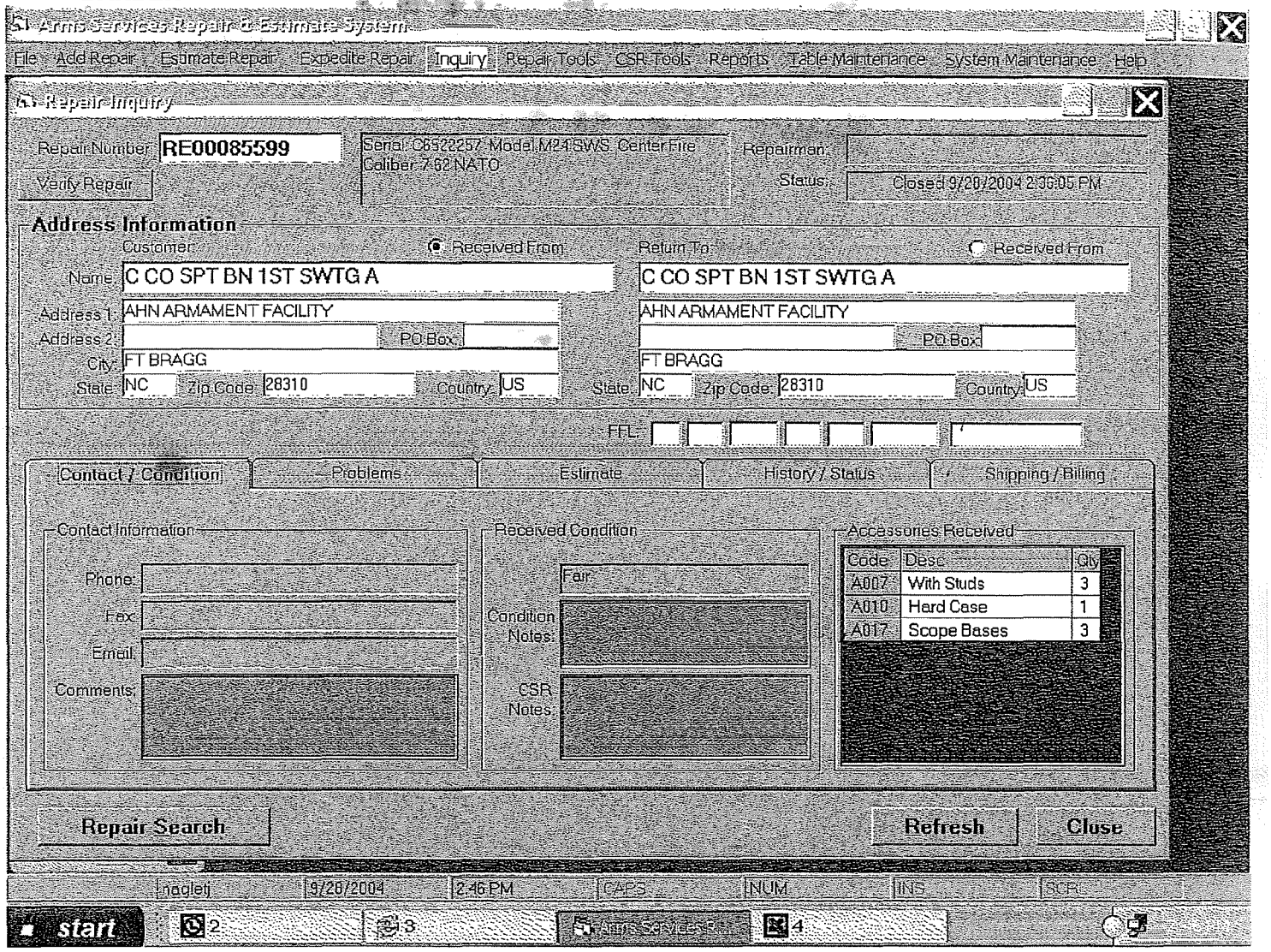
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington



Serial Number: C6522257

Model: M24 SWS

RE00085599

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

BARBER - M24 0002150

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 10-20-04

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.25	2.50		2.23	
PULL #2	2.43	2.72		2.29	
PULL #3	2.46	2.89		2.34	
PULL #4	2.45	2.74		2.32	
PULL #5	2.35	2.51		2.27	
TOTAL	11.94	13.36		11.45	
AVERAGE	2.38	2.67		2.29	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.05		
PULL #2	3.25	3.04		
PULL #3	3.18	3.07		
PULL #4	3.23	3.18		
PULL #5	3.13	2.92		
TOTAL	16.08	15.26		
AVERAGE	3.21	3.05		

	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	4.11	4.02		4.26
PULL #2	4.17	4.15		4.30
PULL #3	4.16	4.09		4.28
PULL #4	4.15	4.05		4.30
PULL #5	4.09	3.99		4.25
TOTAL	20.68	20.30		21.39
AVERAGE	4.13	4.06		4.27

EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

1. ORGANIZATION	2. NOMENCLATURE AND MODEL
USAJFKSWCS, ARMAMENT FACILITY	RIFLE,SNIPER 7.62 MM / M24

3. REGISTRATION/SERIAL/NSN	4a. MILES	b. HOURS	c. ROUNDS FIRED	d. HOT STARTS	5. DATE	6. TYPE INSPECTION
C652257			10,000		20 AUG 2004	W

7. APPLICABLE REFERENCE

TM NUMBER	TM DATE	TM NUMBER	TM DATE

COLUMN a – Enter TM item number.
COLUMN b – Enter the applicable condition status symbol.
COLUMN c – Enter deficiencies and shortcomings.
COLUMN d – Show corrective action for deficiency or shortcoming listed in Column c.
COLUMN e – Individual ascertaining completed corrective action initial in this column.

STATUS SYMBOLS

"X" – Indicates a deficiency in the equipment that places it in an inoperable status.

CIRCLED "X" – Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished.

HORIZONTAL DASH "(-)" – Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.

DIAGONAL "(/)" – Indicates a material defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable.

LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL - Indicates that a completely satisfactory condition exists.

FOR AIRCRAFT - Status symbols will be recorded in red.

ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.

8a. SIGNATURE *(Person(s) performing inspection)*	8b. TIME	9a. SIGNATURE *(Maintenance Supervisor)*	9b. TIME	10. MANHOURS REQUIRED
J. B. Kessel	1039			

TM ITEM NO. a	STATUS b	DEFICIENCIES AND SHORTCOMINGS c	CORRECTIVE ACTION d	INITIAL WHEN CORRECTED e
1	(-)	10,000 ROUNDS COUNT		

DA FORM 2404, APR 79 Replaces edition of 1 Jan 64, which will be used USAPPC V1.10

TM ITEM NO. *a*	STATUS *b*	DEFICIENCIES AND SHORTCOMINGS *c*	CORRECTIVE ACTION *d*	INITIAL WHEN CORRECTED *e*

USAPPC V1.10

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522257.__0
FILE DATE AND TIME: 10/25/2004 06:19

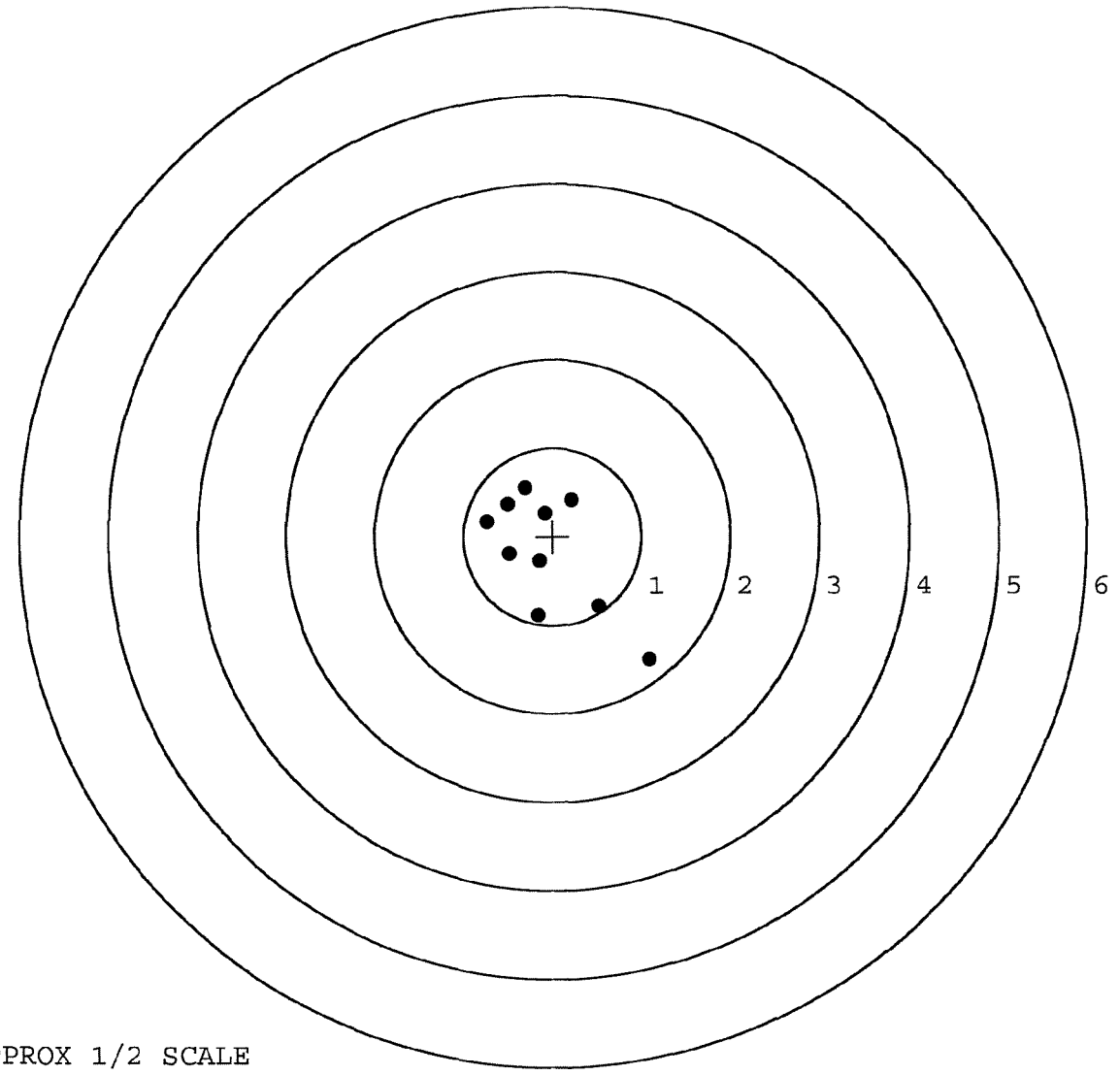
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.074
The Average Y Centroid of the Five Target Set:	-0.131
The Average Point of Impact of the Five Target Set:	0.150
The Average Mean Radius of the Five Target Set:	0.688
The Distance from POA to Centroid Target #1:	0.187
The Distance from Centroid Target #2 to Centroid Target #1:	0.187
The Distance from Centroid Target #3 to Centroid Target #1:	0.258
The Distance from Centroid Target #4 to Centroid Target #1:	0.169
The Distance from Centroid Target #5 to Centroid Target #1:	0.039

SERIAL NUMBER: C6522257.__0
TARGET NUMBER: 1
FILE DATE: 10/25/2004
FILE TIME: 06:19

X CENTROID:	-0.065
Y CENTROID:	-0.176
POA TO CENTROID:	0.187
HORZ SPREAD:	1.834
VERT SPREAD:	1.942
GROUP SPREAD:	2.409
MIN RADIUS:	0.132
MAX RADIUS:	1.677
MEAN RADIUS:	0.713
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	1.092	-1.390
2:	0.517	-0.785
3:	-0.172	-0.887
4:	-0.149	-0.278
5:	-0.489	-0.197
6:	-0.742	0.172
7:	-0.508	0.371
8:	-0.314	0.552
9:	-0.095	0.264
10:	0.212	0.419

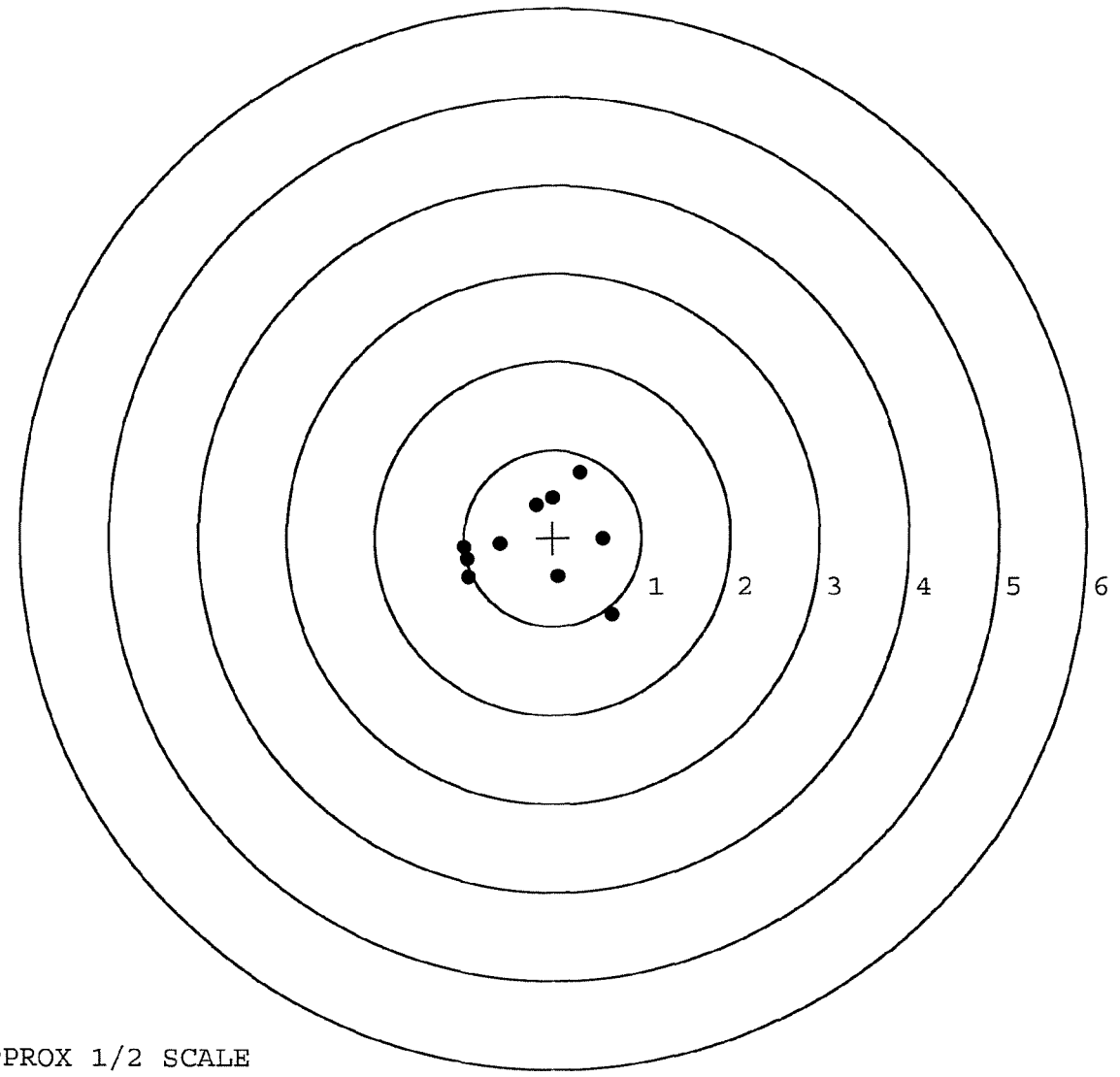


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522257.__0
TARGET NUMBER: 2
FILE DATE: 10/25/2004
FILE TIME: 06:19

X CENTROID:	-0.212
Y CENTROID:	-0.061
POA TO CENTROID:	0.221
HORZ SPREAD:	1.661
VERT SPREAD:	1.620
GROUP SPREAD:	1.825
MIN RADIUS:	0.385
MAX RADIUS:	1.191
MEAN RADIUS:	0.717
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.664	-0.867
2:	0.561	-0.009
3:	0.054	-0.443
4:	-0.597	-0.068
5:	-0.997	-0.111
6:	-0.950	-0.451
7:	-0.196	0.375
8:	-0.007	0.458
9:	0.306	0.753
10:	-0.961	-0.244

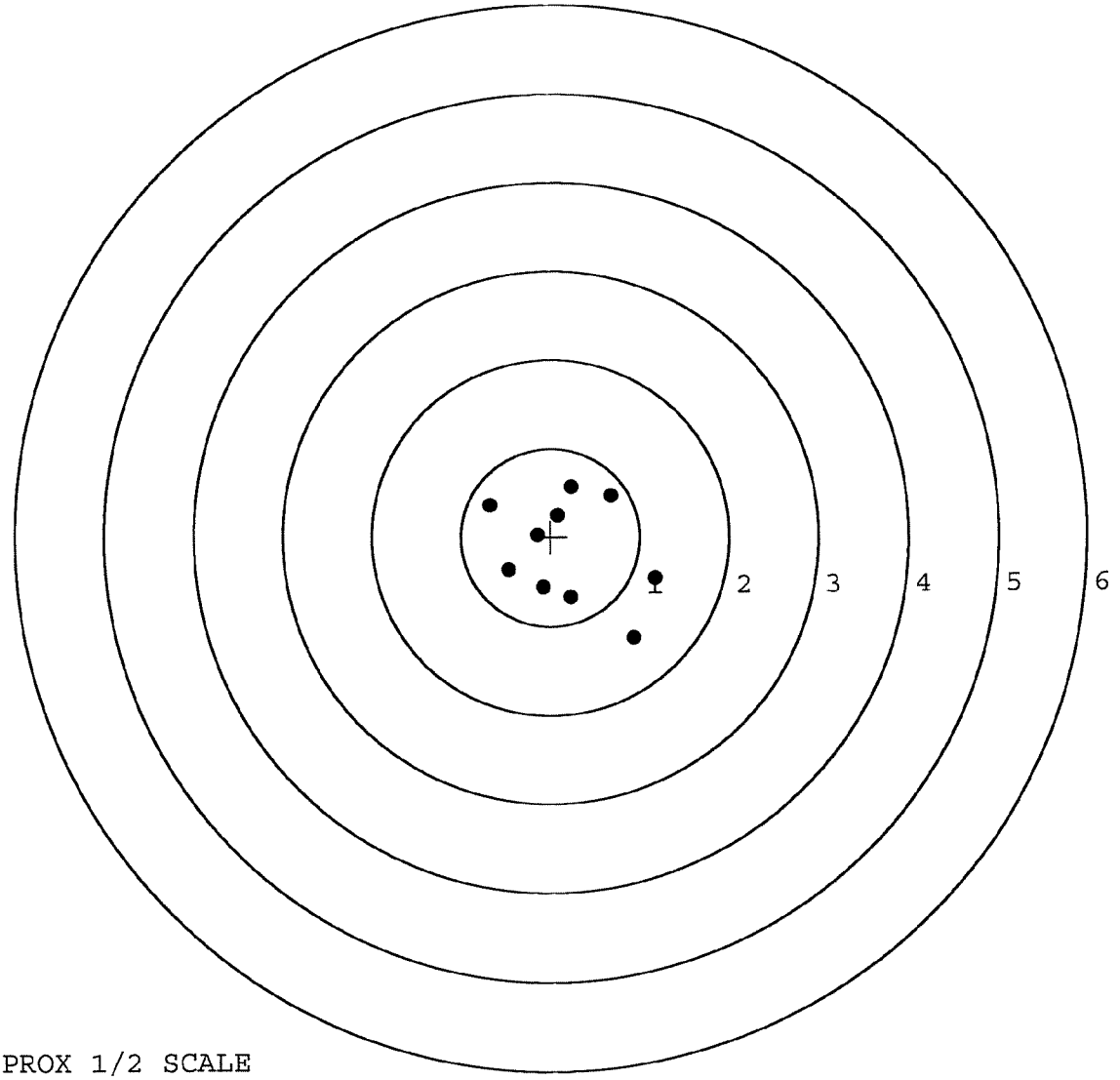


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522257.__0
TARGET NUMBER: 3
FILE DATE: 10/25/2004
FILE TIME: 06:19

X CENTROID:	0.192
Y CENTROID:	-0.157
POA TO CENTROID:	0.249
HORZ SPREAD:	1.850
VERT SPREAD:	1.700
GROUP SPREAD:	2.193
MIN RADIUS:	0.389
MAX RADIUS:	1.220
MEAN RADIUS:	0.731
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.923	-1.135
2:	1.172	-0.475
3:	0.222	-0.683
4:	-0.088	-0.573
5:	-0.475	-0.367
6:	-0.678	0.364
7:	0.677	0.465
8:	0.237	0.565
9:	0.085	0.241
10:	-0.152	0.023

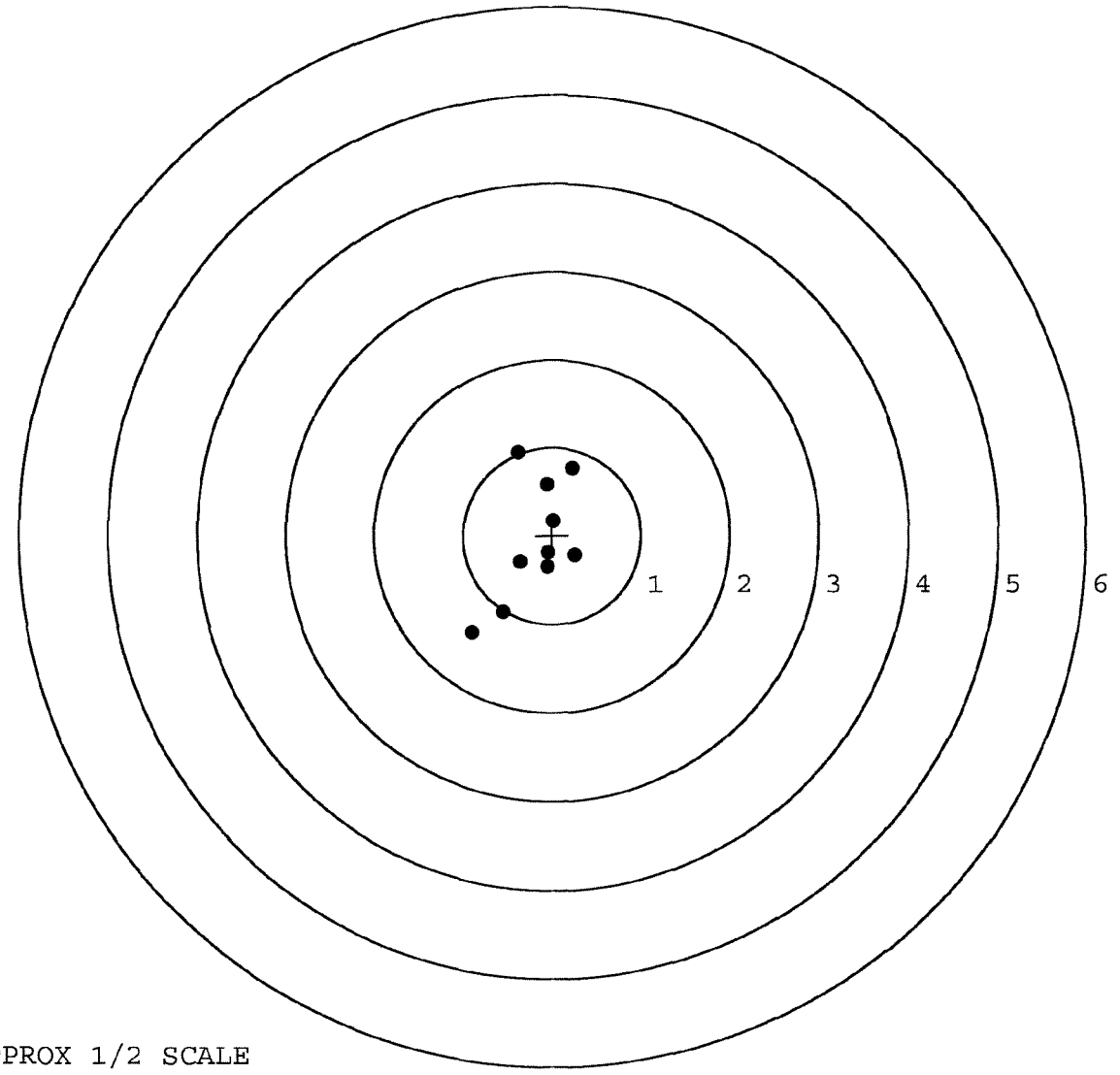


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522257.__0
TARGET NUMBER: 4
FILE DATE: 10/25/2004
FILE TIME: 06:19

X CENTROID:	-0.187
Y CENTROID:	-0.059
POA TO CENTROID:	0.196
HORZ SPREAD:	1.156
VERT SPREAD:	2.037
GROUP SPREAD:	2.173
MIN RADIUS:	0.192
MAX RADIUS:	1.256
MEAN RADIUS:	0.632
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

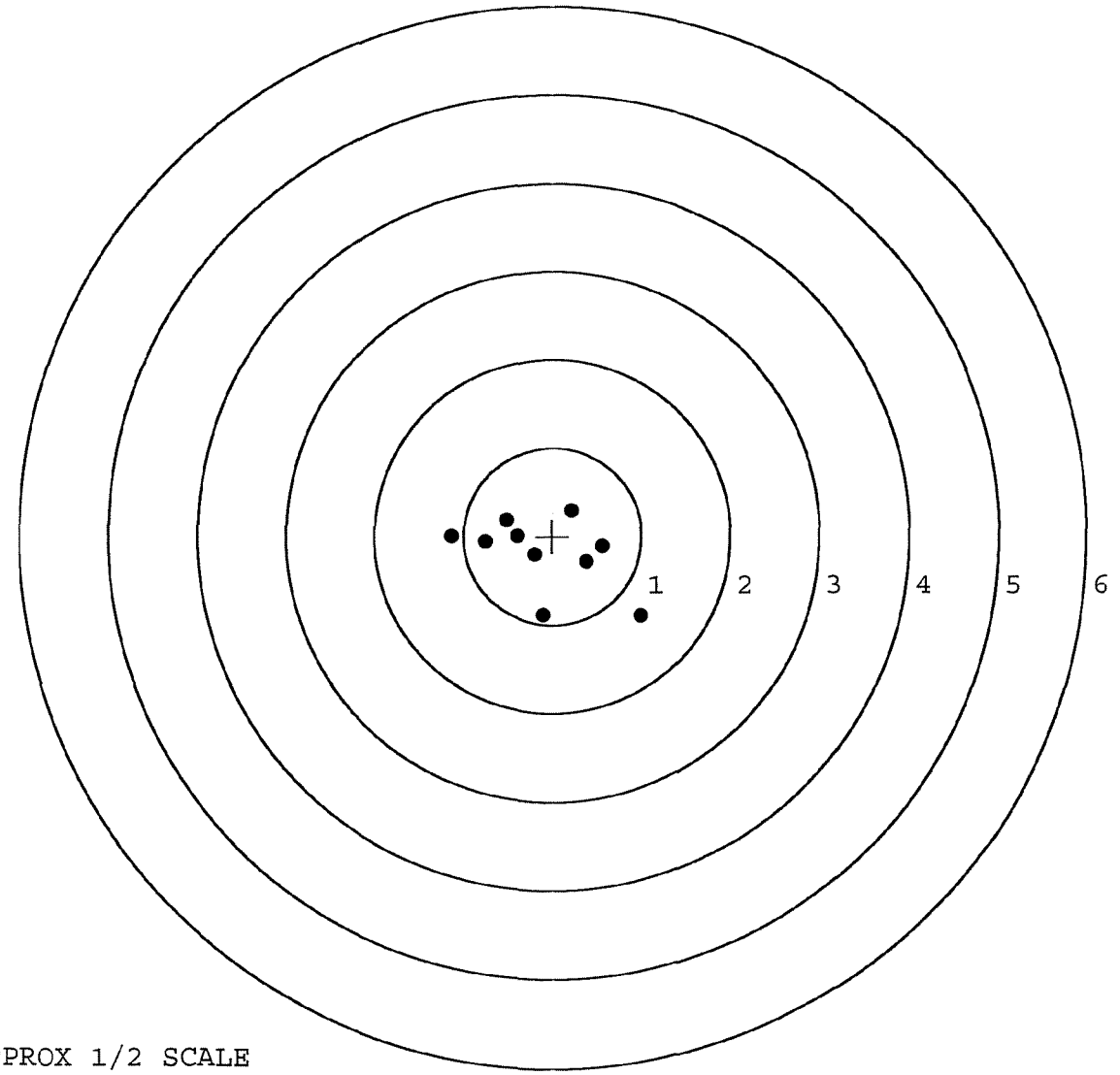
POINT#	X	Y
1:	-0.898	-1.095
2:	-0.558	-0.866
3:	-0.363	-0.298
4:	0.227	0.764
5:	-0.062	0.574
6:	-0.386	0.942
7:	0.258	-0.222
8:	-0.058	-0.354
9:	0.019	0.160
10:	-0.052	-0.196



TARGET APPROX 1/2 SCALE

SERIAL NUMBER:	C6522257.__0
TARGET NUMBER:	5
FILE DATE:	10/25/2004
FILE TIME:	06:19
X CENTROID:	-0.096
Y CENTROID:	-0.200
POA TO CENTROID:	0.222
HORZ SPREAD:	2.120
VERT SPREAD:	1.195
GROUP SPREAD:	2.304
MIN RADIUS:	0.104
MAX RADIUS:	1.292
MEAN RADIUS:	0.648
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.987	-0.903
2:	-0.108	-0.894
3:	0.211	0.292
4:	-1.133	0.000
5:	-0.748	-0.062
6:	-0.200	-0.208
7:	-0.396	-0.001
8:	-0.525	0.186
9:	0.385	-0.289
10:	0.565	-0.117



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	85599		
SERIAL NUMBER	C6522257		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-4-04	AC
560 A	RE-BARREL	10-6-04	AC
B	DRILL AND TAP	10-8-04	TRW
575	ASSEMBLE	10-6-04	
600	PROOF	10-7-04	
605	CHECK HEADSPACE	10-7-04	
610	DIS-ASSEMBLE GUN	10-7-04	
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10-11-04	SB/CW
618	ROTO-BLAST	10-11-04	LB
620	APPLY COATINGS	10/19/04	HP
625 A	FINAL ASSEMBLY	10-21-04	RTC
B	TRIGGER PULL TEST	11-2-04	QA
C	SAFETY "ON" FORCE	11-2-04	QA
D	SAFETY "OFF" FORCE	11-2-04	QA
E	FIRING PIN INDENT	11-2-04	QA
640	TARGET	10-25-04	AC
655	FINAL INSPECT	10-26-04	RTC
660	PACK	11-2-04	QA
		SHIP DATE	
	QAR INSPECTION DATE		

VIRGINIA - Fairfax
INSPECTED
OCT 0 - 2004
OPERATOR

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522257

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/13/90	KS
600	Proof		8/13/90	KS
607	Check Headspace		8/13/90	KS
610	Dis-assemble Gun		8/13/90	KS
612	Magnaflux Barrel Action		8/16	KCR
	Magnaflux Bolt		8/16	KCR
615	Rollmark Caliber		8/16	GL
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		8-31-90	TJH
	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		9/10/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			9/10/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			9/10/90	WB
	H) Trigger Pull Test & Retainability						9/10/90	WB
	I) Firing Pin Indent	.024	.024	.024			9/10/90	WB
	J) Assemble Stock						9/11/90	KT
	K) Assemble Swivel Studs						9/15/90	KT
	L) Attach Front and Rear Sight Assemblies						9/11/90	KT
	M) Iron Sight Alignment						9/11/90	KT
	N) Detach Front & Rear Sights & place in numbered container						9/11/90	KT
	O) Attach Scope to Rifle						9/11/90	KT
	P) Detach & Attach Scope 20 Times						9/9/90	KT
640	Gallery Target & Test						9/12/90	KT
	A) Time						9/12/90	KT
	B) Malfunctions						9/12/90	KT
	C) Pierced Primers						9/12/90	KT
	D) Optical Clearity of Scope						9/12/90	KT
645	Inspect for Live Ammo						9/12/90	KT
655	Final Inspection A) Headspace						9/15/90	KT
	B) Trigger Pull	2.48	2.10	2.05	2.15	2.11	9-15-90	KT
	C) Function						9/15/90	KT
660	Pack						9/19/90	JF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6522757
DATE 9/10/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.22	2.27	2.48	MIN. SETTING,
PULL #2	2.51	2.11	2.34	2.10	NO AVG. OF 5
PULL #3	2.45	2.31	2.40	2.05	READINGS ACCEPT-
PULL #4	2.48	2.36	2.21	2.15	ABLE LESS THAN 2#
PULL #5	2.30	2.28	2.33	2.11	
TOTAL	12.21	11.28	11.55	10.89	
AVG.	2.44	2.25	2.31	2.178	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.30		
PULL #2	3.21	3.34		
PULL #3	3.19	3.30		
PULL #4	3.19	3.24		
PULL #5	3.21	3.28		
TOTAL	16.04	16.46		
AVG.	3.21	3.29		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.17		3.85
PULL #2	4.15	4.14		3.95
PULL #3	4.14	4.10		3.93
PULL #4	4.12	4.05		3.85
PULL #5	4.13	4.12		3.95
TOTAL	20.71	20.58		19.53
AVG.	4.14	4.11		3.90

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522257
13 Sep 1990

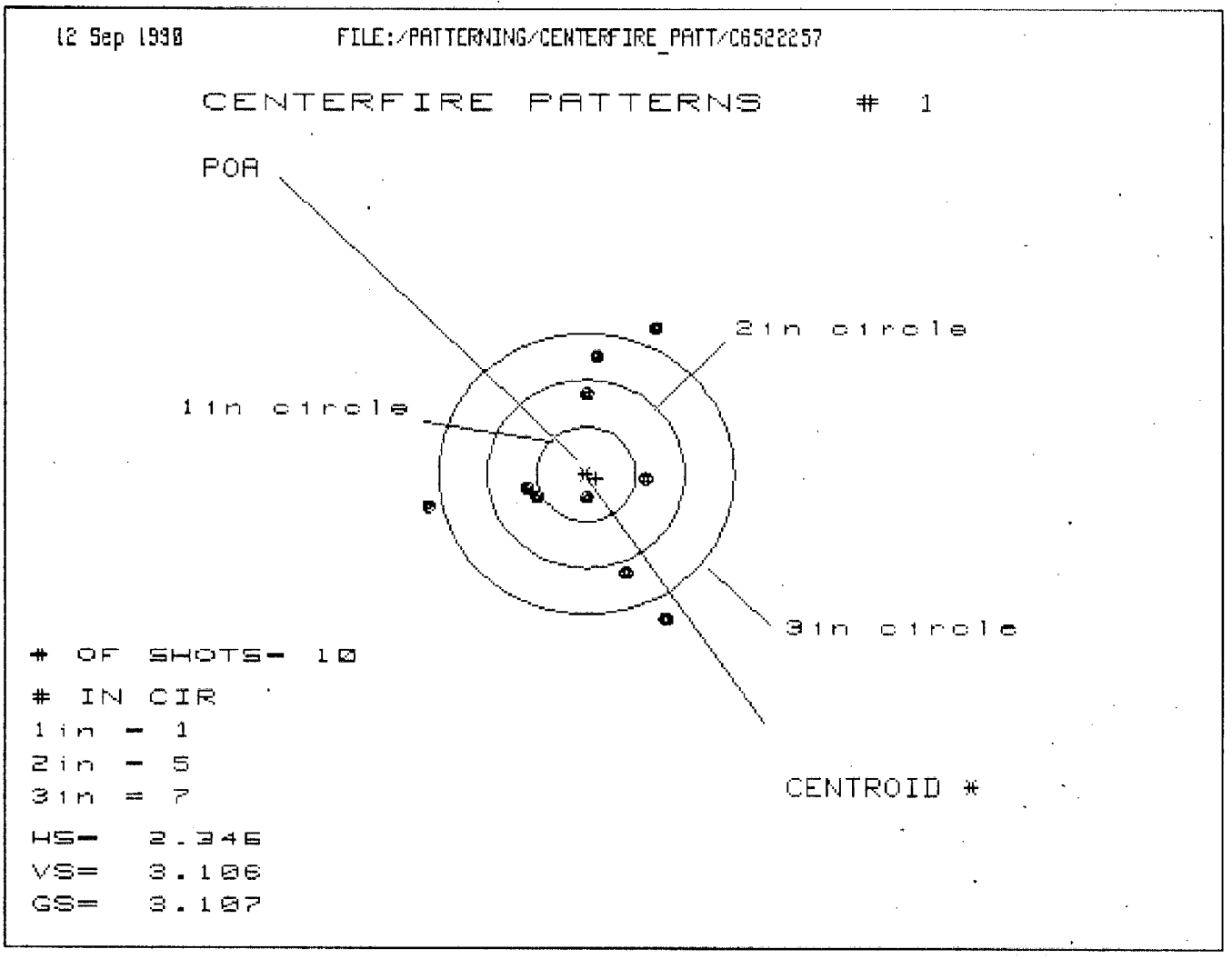
CENTROIDAL DISTANCES

0	TO	1	.114634
1	TO	2	.336488
1	TO	3	.0657647
1	TO	4	.264371
1	TO	5	.371286

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0922
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2444
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .261213

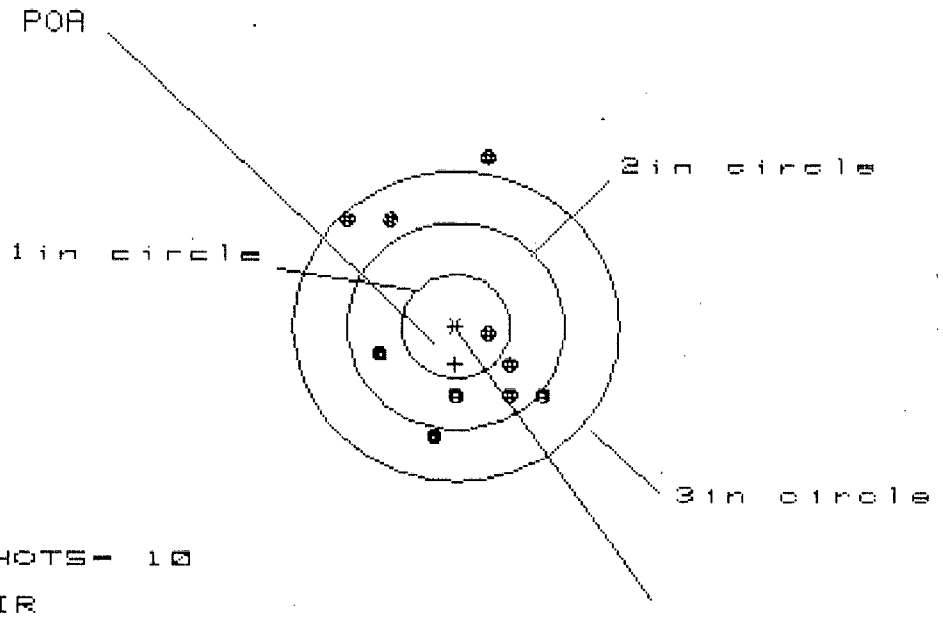
THE AMR FOR THIS RIFLE IS: 1.082



PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.785	.816	.776
MINIMUM X	:	-1.561	-1.474	-1.372
MAXIMUM Y	:	1.559	1.387	1.247
MINIMUM Y	:	-1.547	-1.206	-1.033
CENTROID X	:	-.105	-.192	-.294
CENTROID Y	:	.046	.218	.045
POA TO CENTROID in.	:	.115	.291	.298
MIN RADIUS	:	.224	.406	.293
MEAN RADIUS	:	1.024	.952	.832
MAX RADIUS	:	1.735	1.609	1.414
HORIZONTAL SPREAD	:	2.346	2.290	2.148
VERTICAL SPREAD	:	3.106	2.593	2.280
EXTREME SPREAD	:	3.107	2.978	2.332
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

12 Sep 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C6522257

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

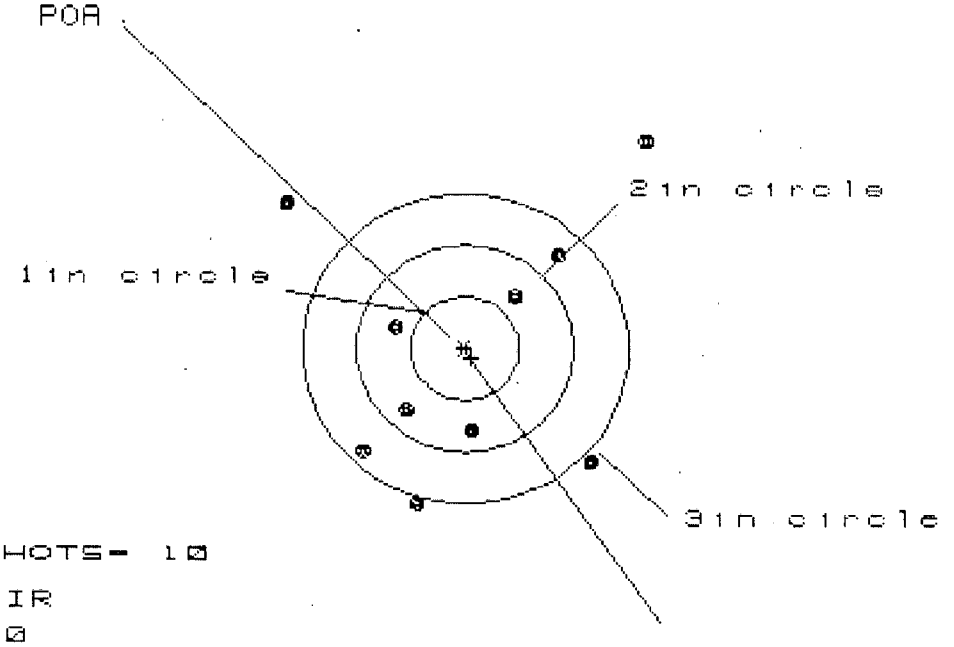
# IN CIR
1in = 1
2in = 5
3in = 9

HS= 1.755
VS= 2.636
GS= 2.679

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.784	.820	.703
MINIMUM X	:	-.971	-.935	-.833
MAXIMUM Y	:	1.598	1.257	1.352
MINIMUM Y	:	-1.038	-.861	-.704
CENTROID X	:	.005	-.031	.086
CENTROID Y	:	.364	.187	.030
POA TO CENTROID in.	:	.364	.189	.091
MIN RADIUS	:	.321	.373	.307
MEAN RADIUS	:	.958	.844	.693
MAX RADIUS	:	1.629	1.567	1.511
HORIZONTAL SPREAD	:	1.755	1.755	1.536
VERTICAL SPREAD	:	2.636	2.118	2.056
EXTREME SPREAD	:	2.679	2.472	2.171
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

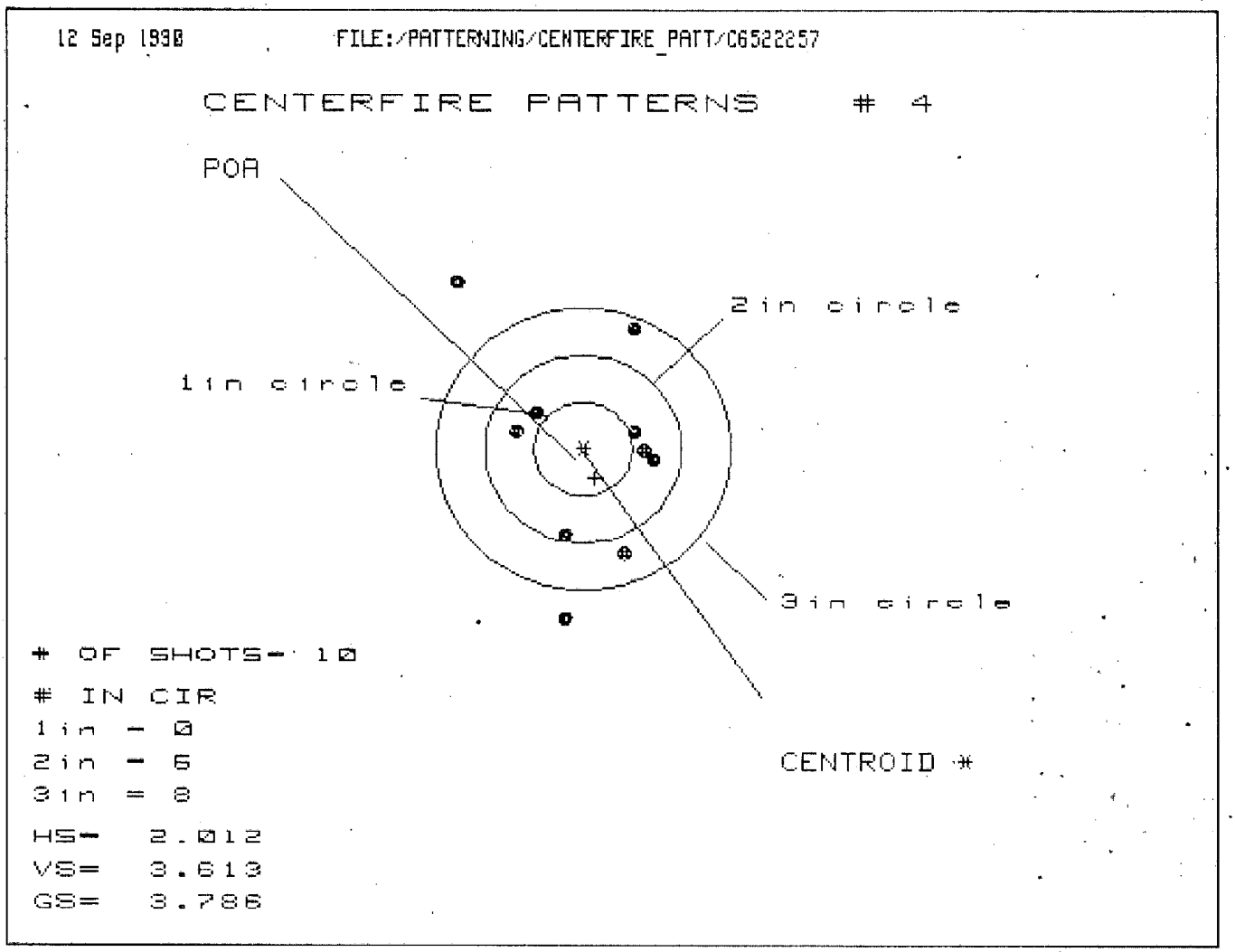
12 Sep 1990 FILE:/PATTERNING/CENTERFIRE_PATT/C6522257

CENTERFIRE PATTERNS # 3

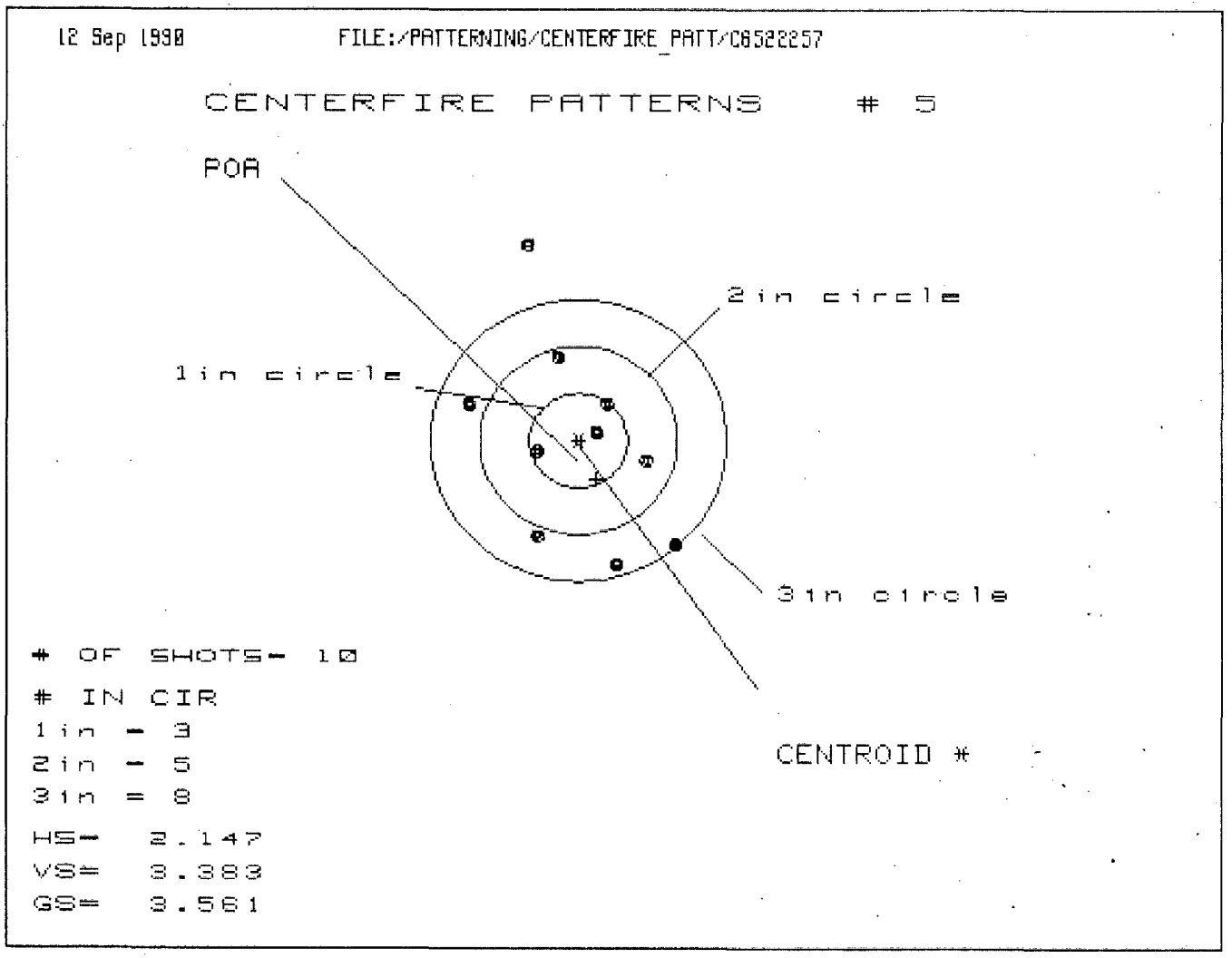


# OF SHOTS= 10
# IN CIR
1in = 0
2in = 4
3in = 6
HS= 3.370
VS= 3.414
GS= 4.040

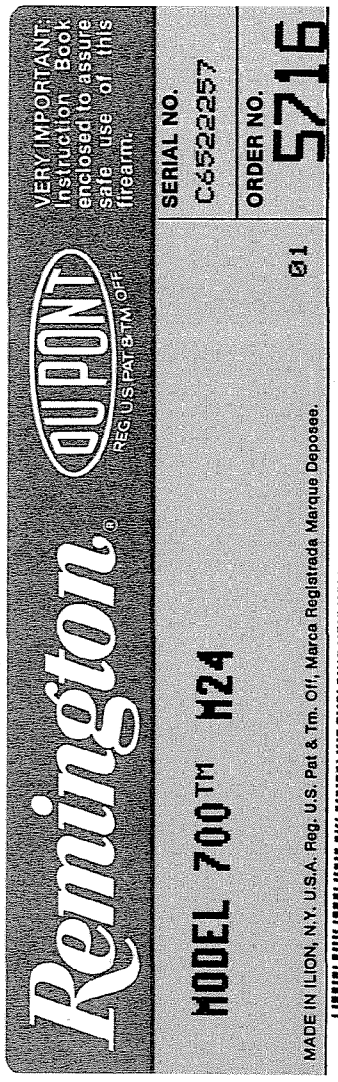
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.694	1.323	1.137
MINIMUM X	:	-1.676	-1.488	-.910
MAXIMUM Y	:	1.971	1.631	1.308
MINIMUM Y	:	-1.443	-1.224	-1.020
CENTROID X	:	-.059	-.247	-.061
CENTROID Y	:	.093	-.126	-.330
POA TO CENTROID in.	:	.110	.278	.336
MIN RADIUS	:	.643	.520	.401
MEAN RADIUS	:	1.350	1.161	1.005
MAX RADIUS	:	2.599	2.208	1.587
HORIZONTAL SPREAD	:	3.370	2.811	2.048
VERTICAL SPREAD	:	3.414	2.855	2.328
EXTREME SPREAD	:	4.040	3.791	2.698
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

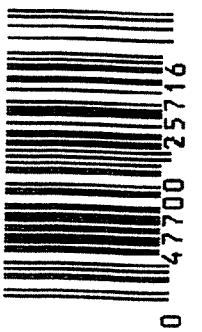


PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.731	.588	.552
MINIMUM X	:	-1.281	-.796	-.832
MAXIMUM Y	:	1.808	1.526	1.325
MINIMUM Y	:	-1.805	-1.604	-1.066
CENTROID X	:	-.119	.024	.060
CENTROID Y	:	.310	.109	.310
POA TO CENTROID in.	:	.332	.112	.316
MIN RADIUS	:	.541	.514	.379
MEAN RADIUS	:	1.067	.916	.800
MAX RADIUS	:	2.216	1.631	1.363
HORIZONTAL SPREAD	:	2.012	1.384	1.384
VERTICAL SPREAD	:	3.613	3.130	2.391
EXTREME SPREAD	:	3.786	3.197	2.392
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.004	.951	.751
MINIMUM X	:	-1.143	-1.196	-1.078
MAXIMUM Y	:	2.082	1.156	1.041
MINIMUM Y	:	-1.301	-1.070	-1.185
CENTROID X	:	-.183	-.130	-.248
CENTROID Y	:	.409	.178	.293
POA TO CENTROID in.	:	.448	.220	.384
MIN RADIUS	:	.202	.320	.311
MEAN RADIUS	:	1.012	.886	.814
MAX RADIUS	:	2.137	1.350	1.276
HORIZONTAL SPREAD	:	2.147	2.147	1.829
VERTICAL SPREAD	:	3.383	2.226	2.226
EXTREME SPREAD	:	3.561	2.647	2.304
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	


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.
C6522257
ORDER NO.
5716
01
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off., Marca Registrada Marque Deposee.
5716 C6522257


UPC
0 47700 25716 7