C6522251

MODEL 700™ M24

Model SWS ™

Action

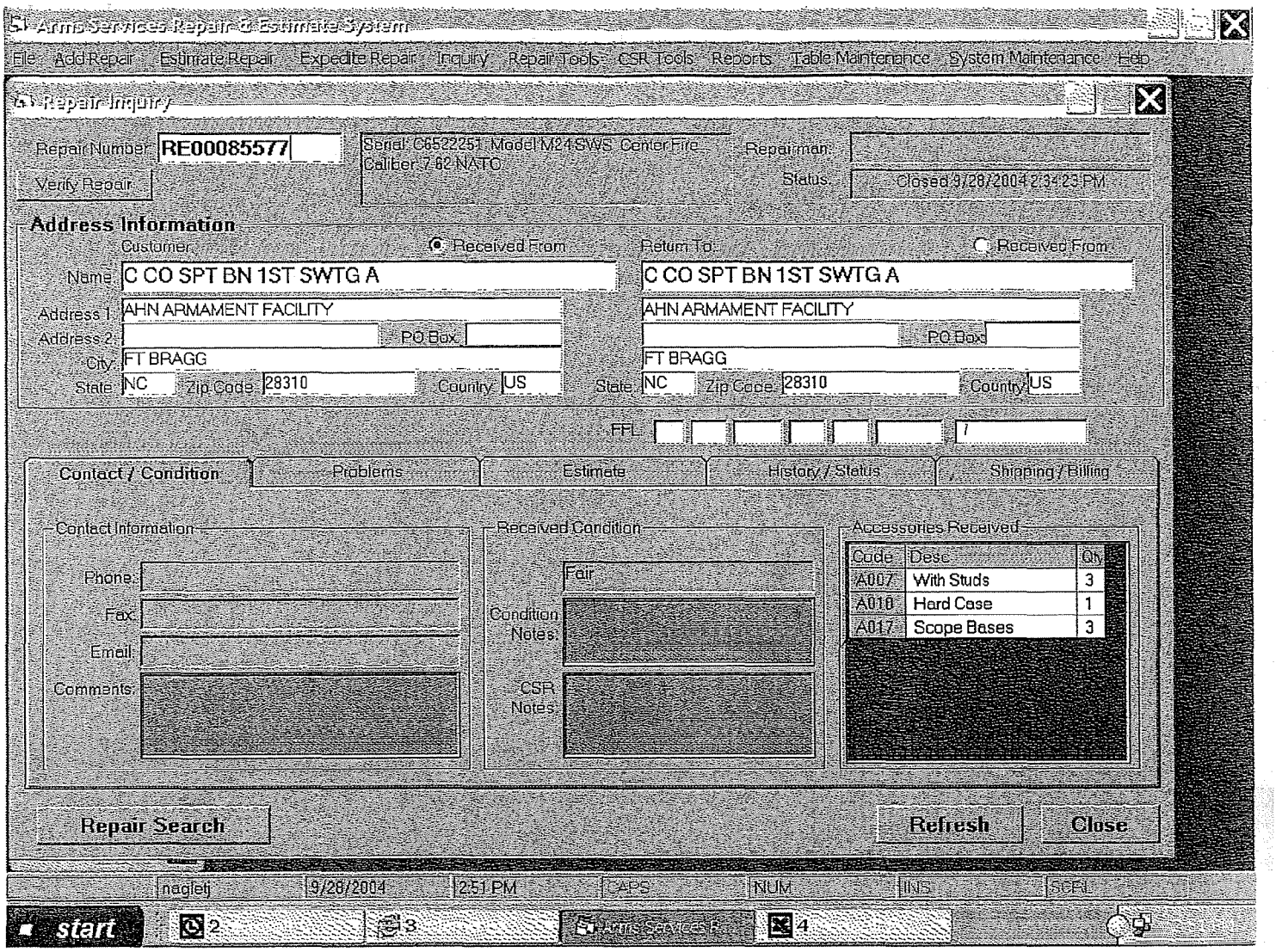
Barrel Length

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: RE00085577
Verify Repair
Serial: C6522251 Model M24 SWS Center Fire
Caliber: 7.62 NATO
Repairman:
Status: Closed 9/28/2004 2:34:23 PM
Address Information
Customer
Received From
Name: C CO SPT BN 1ST SWTG A
Address 1: AHN ARMAMENT FACILITY
Address 2:
PO Box:
City: FT BRAGG
State: NC Zip Code: 28310 Country: US
Return To:
Received From
C CO SPT BN 1ST SWTG A
AHN ARMAMENT FACILITY
PO Box:
FT BRAGG
State: NC Zip Code: 28310 Country: US
FFL:
Contact / Condition
Problems
Estimate
History / Status
Shipping / Billing
Contact Information
Phone:
Fax:
Email:
Comments:
Received Condition
Fair
Condition Notes:
CSR Notes:
Accessories Received
Code Desc Qty
A007 With Studs 3
A010 Hard Case 1
A017 Scope Bases 3
Repair Search
Refresh
Close
nagletj 9/28/2004 2:51 PM CAPS NUM INS SCRL
start
2
3
4


Serial Number: C6522251
Model: M24 SWS
RE00085577

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
C6522251			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
[signature]	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

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 9-29-04

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.22	2.58		2.46	
PULL #2	2.53	2.68		2.35	
PULL #3	2.53	2.65		2.35	
PULL #4	2.65	2.64		2.39	
PULL #5	2.66	2.52		2.37	
TOTAL	12.59	13.07		11.92	
AVERAGE	2.51	2.61		2.38	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.22		
PULL #2	3.29	3.21		
PULL #3	3.22	3.14		
PULL #4	3.24	3.20		
PULL #5	3.22	3.21		
TOTAL	16.09	15.98		
AVERAGE	3.21	3.19		

	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	4.06	4.24		4.44
PULL #2	4.12	4.05		4.46
PULL #3	4.09	3.80		4.45
PULL #4	4.15	4.03		4.44
PULL #5	4.19	4.01		4.14
TOTAL	20.61	20.13		21.93
AVERAGE	4.12	4.02		4.38

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522251.__0
FILE DATE AND TIME: 10/18/2004 07:00

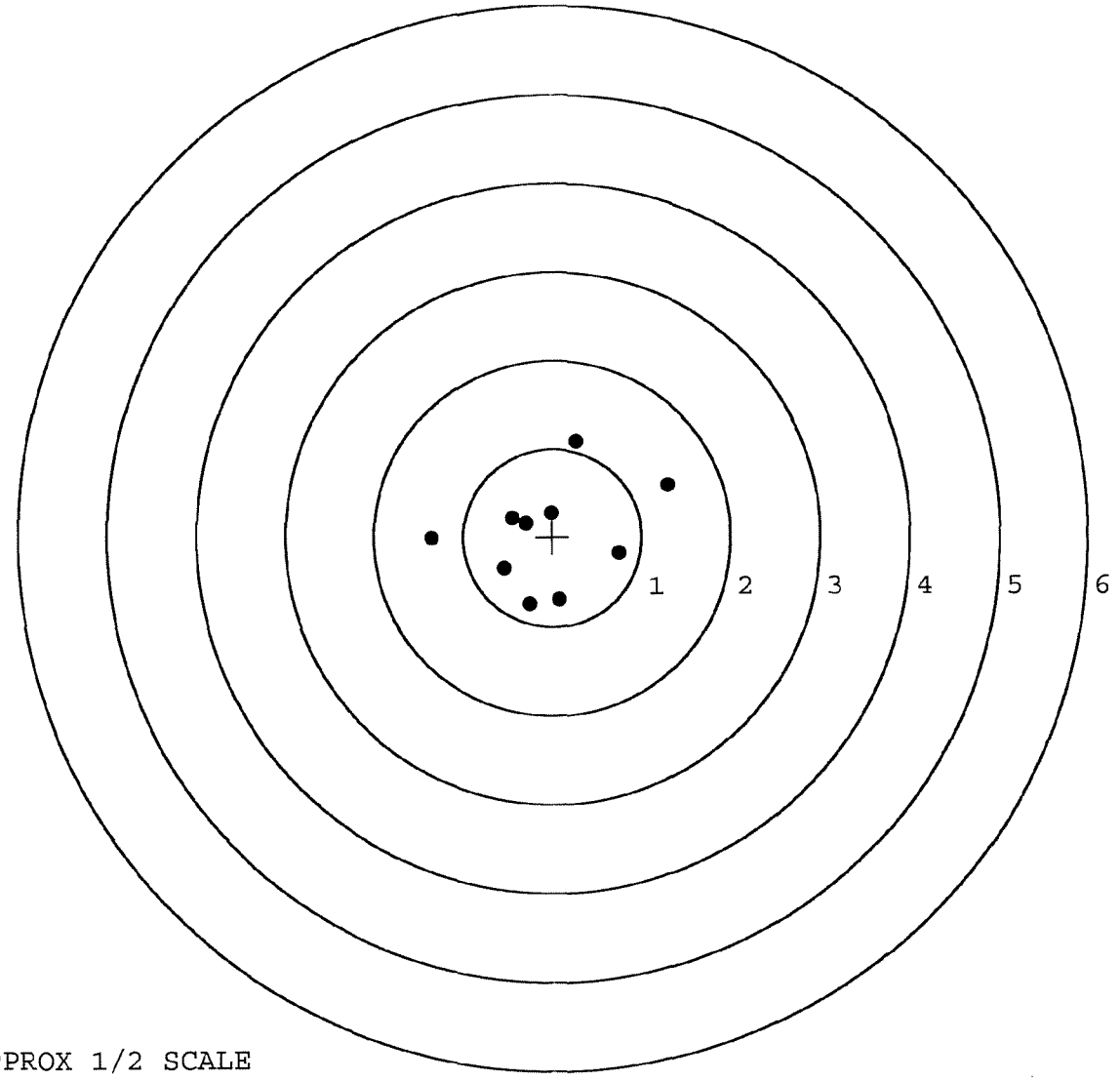
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.085
The Average Y Centroid of the Five Target Set:	-0.041
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	0.709
The Distance from POA to Centroid Target #1:	0.061
The Distance from Centroid Target #2 to Centroid Target #1:	0.325
The Distance from Centroid Target #3 to Centroid Target #1:	0.072
The Distance from Centroid Target #4 to Centroid Target #1:	0.278
The Distance from Centroid Target #5 to Centroid Target #1:	0.113

SERIAL NUMBER: C6522251.__0
TARGET NUMBER: 1
FILE DATE: 10/18/2004
FILE TIME: 07:00

X CENTROID:	-0.053
Y CENTROID:	0.031
POA TO CENTROID:	0.061
HORZ SPREAD:	2.645
VERT SPREAD:	1.837
GROUP SPREAD:	2.712
MIN RADIUS:	0.247
MAX RADIUS:	1.459
MEAN RADIUS:	0.784
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.080	-0.706
2:	-0.266	-0.751
3:	-0.543	-0.353
4:	-1.348	-0.015
5:	0.748	-0.185
6:	1.297	0.583
7:	0.269	1.086
8:	-0.007	0.273
9:	-0.304	0.156
10:	-0.458	0.218

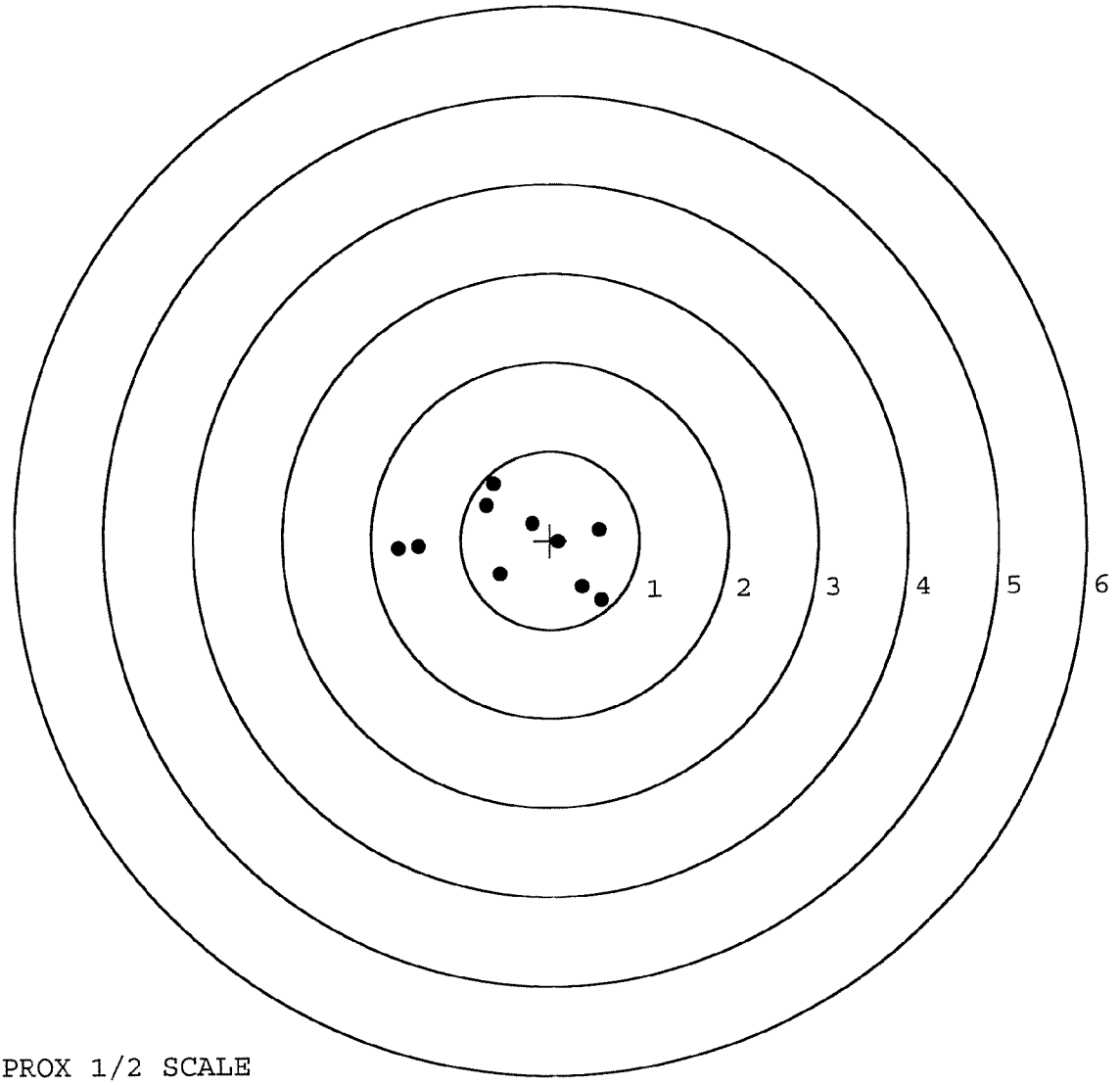


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522251.__0
TARGET NUMBER: 2
FILE DATE: 10/18/2004
FILE TIME: 07:00

X CENTROID:	-0.370
Y CENTROID:	-0.040
POA TO CENTROID:	0.372
HORZ SPREAD:	2.264
VERT SPREAD:	1.312
GROUP SPREAD:	2.340
MIN RADIUS:	0.283
MAX RADIUS:	1.325
MEAN RADIUS:	0.777
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.569	-0.675
2:	0.358	-0.523
3:	0.550	0.119
4:	-0.565	-0.378
5:	-1.695	-0.082
6:	-1.468	-0.061
7:	-0.708	0.395
8:	-0.628	0.637
9:	-0.203	0.188
10:	0.088	-0.019

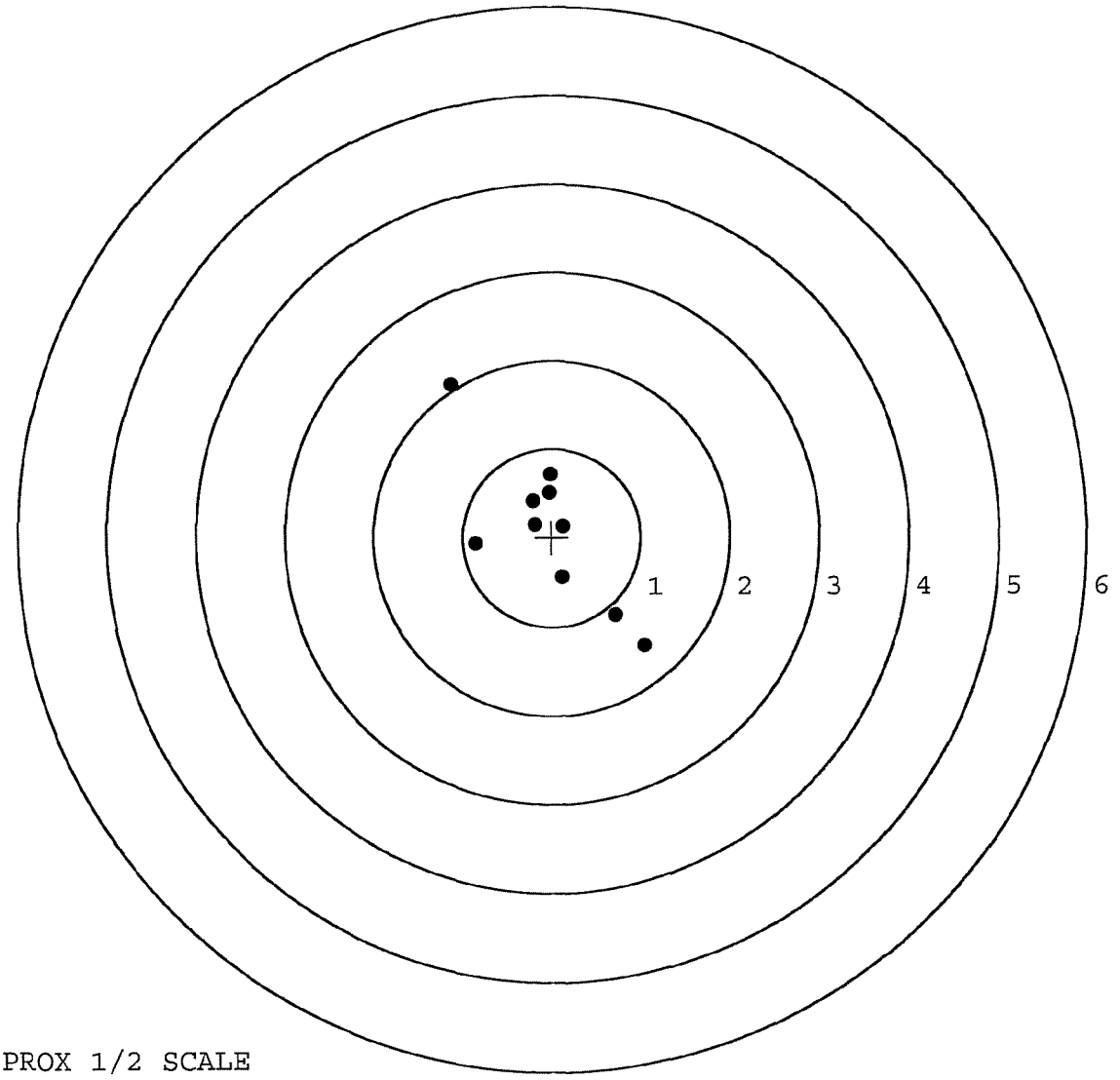


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522251.__0
TARGET NUMBER: 3
FILE DATE: 10/18/2004
FILE TIME: 07:00

X CENTROID:	-0.045
Y CENTROID:	0.102
POA TO CENTROID:	0.111
HORZ SPREAD:	2.171
VERT SPREAD:	2.949
GROUP SPREAD:	3.662
MIN RADIUS:	0.156
MAX RADIUS:	1.959
MEAN RADIUS:	0.799
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	1.041	-1.216
2:	0.710	-0.871
3:	0.119	-0.449
4:	-0.857	-0.069
5:	-1.130	1.733
6:	-0.017	0.707
7:	-0.215	0.408
8:	0.128	0.125
9:	-0.195	0.144
10:	-0.030	0.506

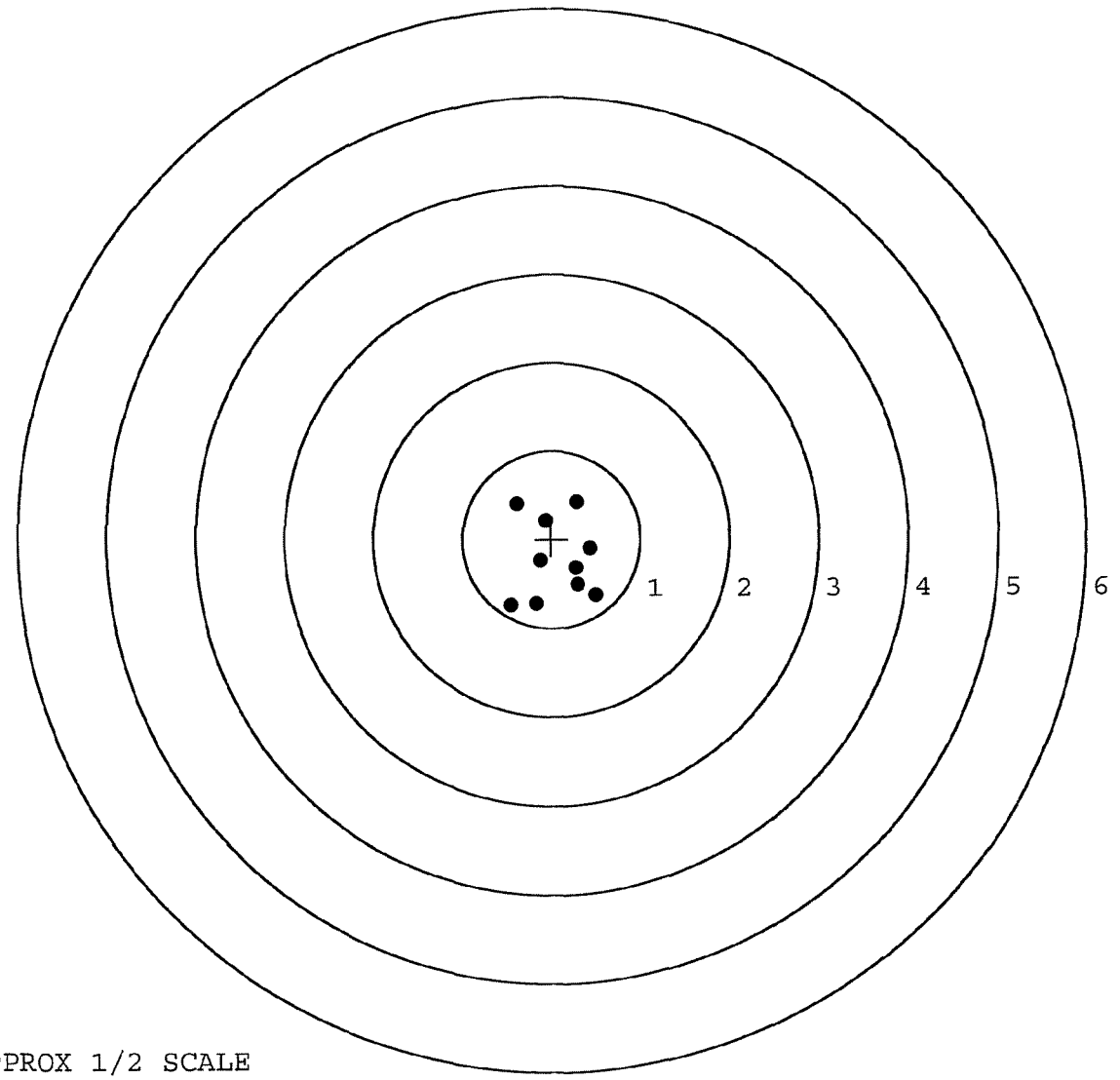


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522251.__0
TARGET NUMBER: 4
FILE DATE: 10/18/2004
FILE TIME: 07:00

X CENTROID:	0.057
Y CENTROID:	-0.224
POA TO CENTROID:	0.231
HORZ SPREAD:	0.958
VERT SPREAD:	1.164
GROUP SPREAD:	1.366
MIN RADIUS:	0.185
MAX RADIUS:	0.777
MEAN RADIUS:	0.500
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.495	-0.629
2:	0.298	-0.513
3:	0.278	-0.320
4:	0.438	-0.100
5:	-0.127	-0.244
6:	-0.175	-0.733
7:	-0.463	-0.740
8:	-0.061	0.208
9:	0.286	0.424
10:	-0.398	0.405

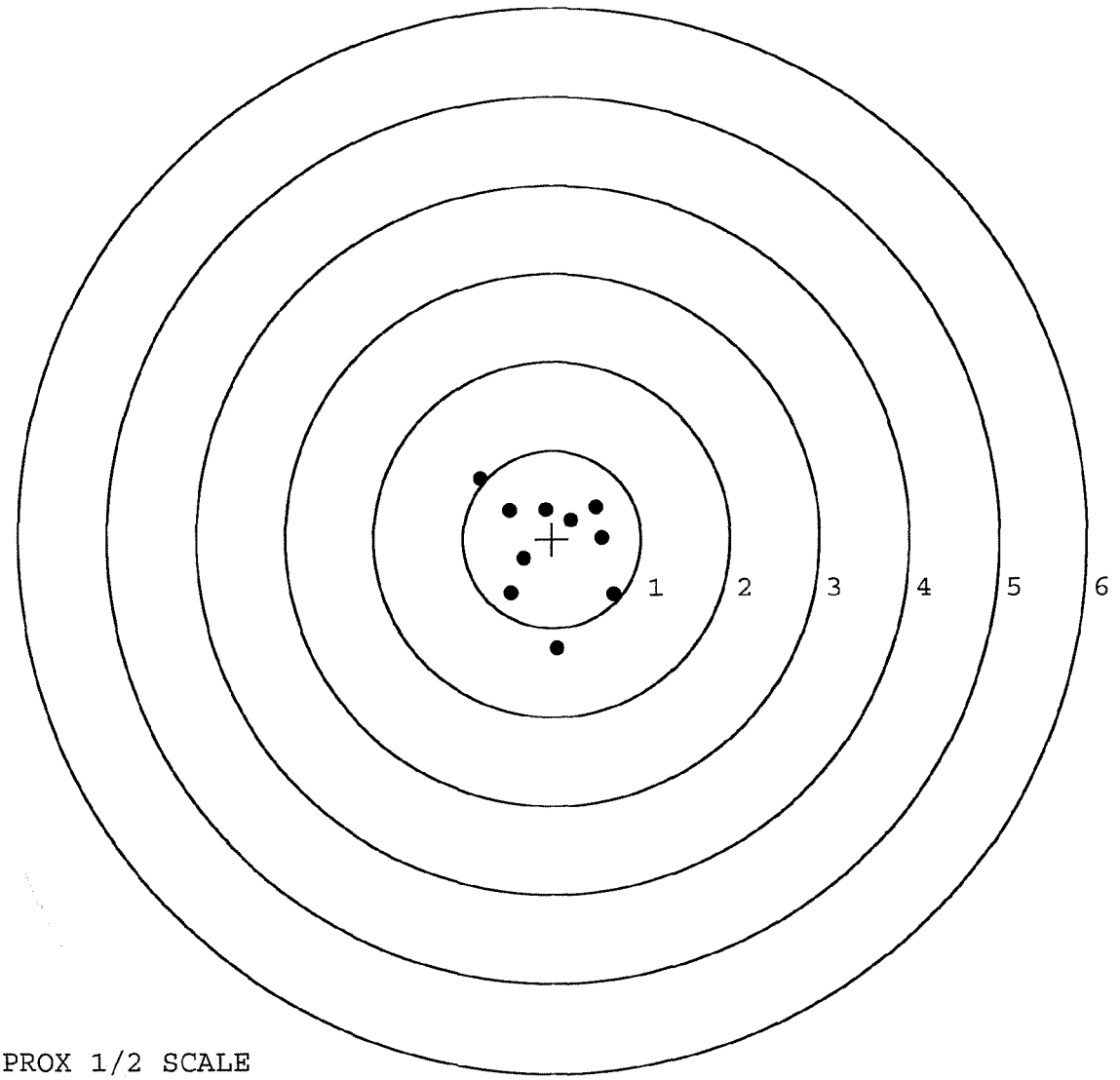


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522251.__0
TARGET NUMBER: 5
FILE DATE: 10/18/2004
FILE TIME: 07:00

X CENTROID:	-0.014
Y CENTROID:	-0.076
POA TO CENTROID:	0.077
HORZ SPREAD:	1.492
VERT SPREAD:	1.919
GROUP SPREAD:	2.104
MIN RADIUS:	0.344
MAX RADIUS:	1.165
MEAN RADIUS:	0.685
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.687	-0.622
2:	0.057	-1.238
3:	-0.472	-0.608
4:	-0.325	-0.222
5:	-0.481	0.322
6:	-0.074	0.333
7:	-0.805	0.681
8:	0.499	0.365
9:	0.562	0.020
10:	0.212	0.214

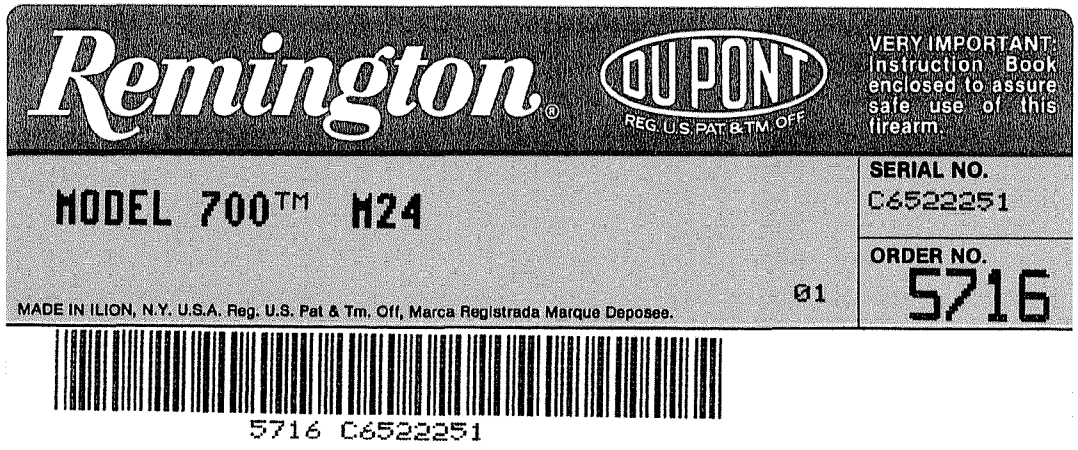


TARGET APPROX 1/2 SCALE

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

R & E NUMBER	85577		
SERIAL NUMBER	C6522251		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-29-04	RTL
560 A	RE-BARREL	10-6-04	AC
B	DRILL AND TAP	10-8-04	TRW
575	ASSEMBLE	10-6-04	RTL
600	PROOF	10-7-04	RTL
605	CHECK HEADSPACE	10-7-04	RTL
610	DIS-ASSEMBLE GUN	10-7-04	RTL
612	MAGNAFLUX	10-7-04	
615	ROLLMARK CALIBER		
618	ROTO-BLAST	10-11-04	SB/CW
620	APPLY COATINGS	10-14-04	HP
625 A	FINAL ASSEMBLY	10-16-04	RTL
B	TRIGGER PULL TEST	11-2-04	DA
C	SAFETY "ON" FORCE	11-2-04	DA
D	SAFETY "OFF" FORCE	11-2-04	DA
E	FIRING PIN INDENT	11-2-04	DA
640	TARGET	10-18-04	TRW
655	FINAL INSPECT	10-25-04	RTL
660	PACK	11-2-04	DA
		SHIP DATE	
	QAR INSPECTION DATE		

MAGNA-FLUX INSPECTEK
OCT 0 9 2004
OPERATOR

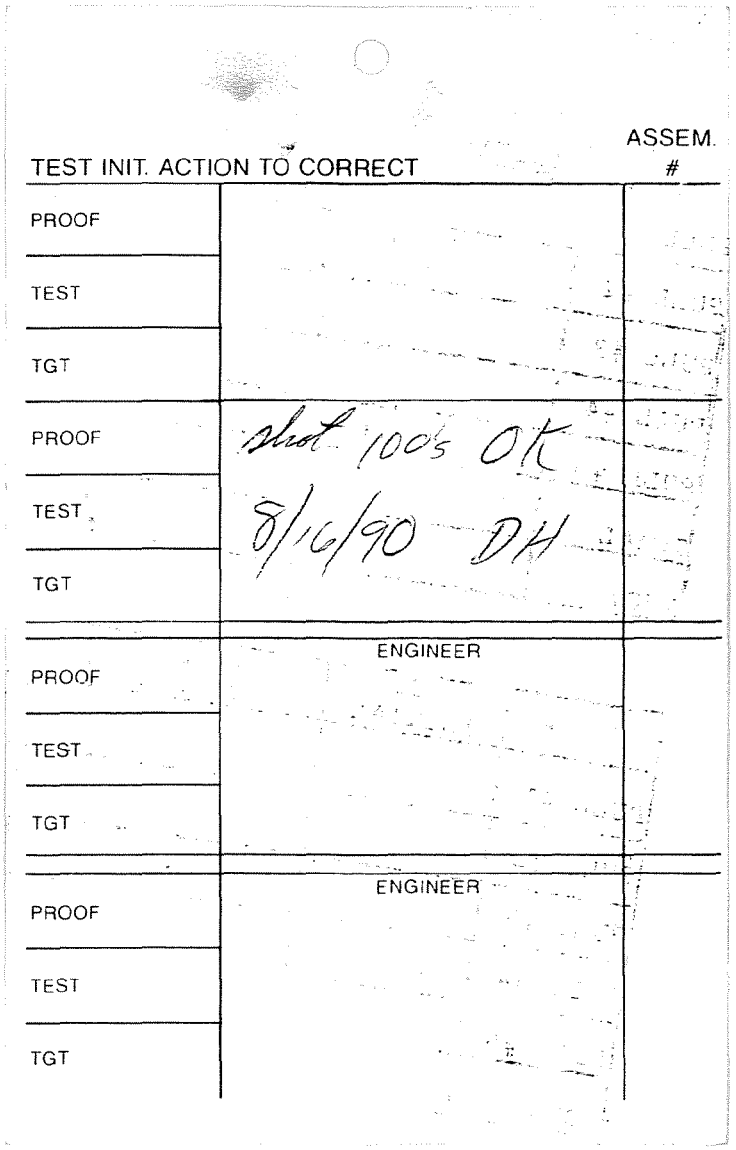


CONTRACT # DAAA21-87-C-0086

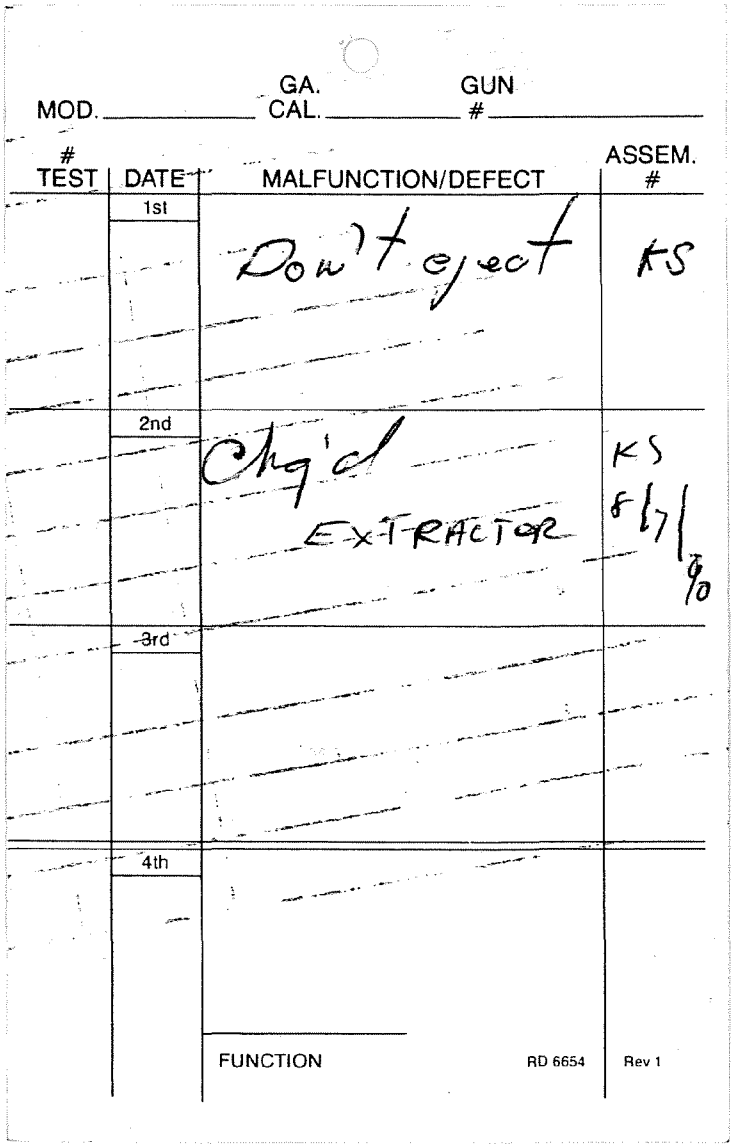
GUN SERIAL # C6522251

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/26/90	KA
600	Proof		6/26/90	KA
607	Check Headspace		6/26/90	KA
610	Dis-assemble Gun		6/26/90	KA
612	Magnaflux Barrel Action		7/10/90	KR
	Magnaflux Bolt		7/10/90	KR
615	Rollmark Caliber		7/10/90	S.S.
617	Drill and Tap Sight Holes		7/11/90	WB
618	Polish Barrel RB		7/13/90	WB
620	Apply Coatings (Barrel Action)		7/23/90	AH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/30/90	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/30/90	KA
	C) Inspect Ejector Hole for Chamfer		7/30/90	KA
	D) Oil Firing Pin Ass'y		7/30/90	KA
	E) Adjust Trigger Pull to Min Setting and Stake		8-13-90	KA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			7/31/90	
	G) Safety Off Force	3	3	3			7/31/90	
	H) Trigger Pull Test & Retainability						9-13-90	
	I) Firing Pin Indent	.0235	.0235	.023			7/31/90	
	J) Assemble Stock						7/31/90	
	K) Assemble Swivel Studs						9/14/90	
	L) Attach Front and Rear Sight Assemblies						7/31/90	
	M) Iron Sight Alignment						7/31/90	
	N) Detach Front & Rear Sights & place in numbered container						7/31/90	
	O) Attach Scope to Rifle						7/31/90	
	P) Detach & Attach Scope 20 Times						7/31/90	
640	Gallery Target & Test						8-1-90	AC
	A) Time						8-1-90	AC
	B) Malfunctions						8-1-90	AC
	C) Pierced Primers						8-1-90	AC
	D) Optical Clearity of Scope						8-1-90	AC
645	Inspect for Live Ammo						8-1-90	AC
655	Final Inspection A) Headspace						9/14/90	
	B) Trigger Pull	2.34	2.18	2.44	2.12	2.36	9-13-90	
	C) Function						9/14/90	
660	Pack						9-18-90	



TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF	shot 100's OK	
TEST	8/16/90 DH	
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		



MOD. _____ GA. CAL. _____ GUN # _____

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Don't eject	KS
	2nd	Chg'd EXTRACTOR	KS 8/7/10
	~~3rd~~		
	4th		

FUNCTION RD 6654 Rev 1

SWS TRIGGER PULL TEST

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

SERIAL NO. C6522251
DATE 9-13-90
TESTER JH.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.49	2.43	2.34	MIN. SETTING,
PULL #2	2.32	2.44	2.12	2.18	NO AVG. OF 5
PULL #3	2.34	2.19	2.18	2.44	READINGS ACCEPT-
PULL #4	2.31	2.36	2.41	2.12	ABLE LESS THAN 2#
PULL #5	2.49	2.46	2.45	2.36	
TOTAL	11.97	11.94	11.59	11.44	
AVG.	2.394	2.388	2.318	2.288	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.32		
PULL #2	3.21	3.07		
PULL #3	3.17	3.25		
PULL #4	3.11	3.34		
PULL #5	3.03	3.09		
TOTAL	15.86	16.07		
AVG.	3.172	3.214		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.43		4.37
PULL #2	4.28	4.21		4.31
PULL #3	4.45	4.21		4.31
PULL #4	4.27	4.38		4.19
PULL #5	4.17	4.15		4.28
TOTAL	21.52	21.38		21.46
AVG.	4.304	4.276		4.292

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522251
1 Aug 1990

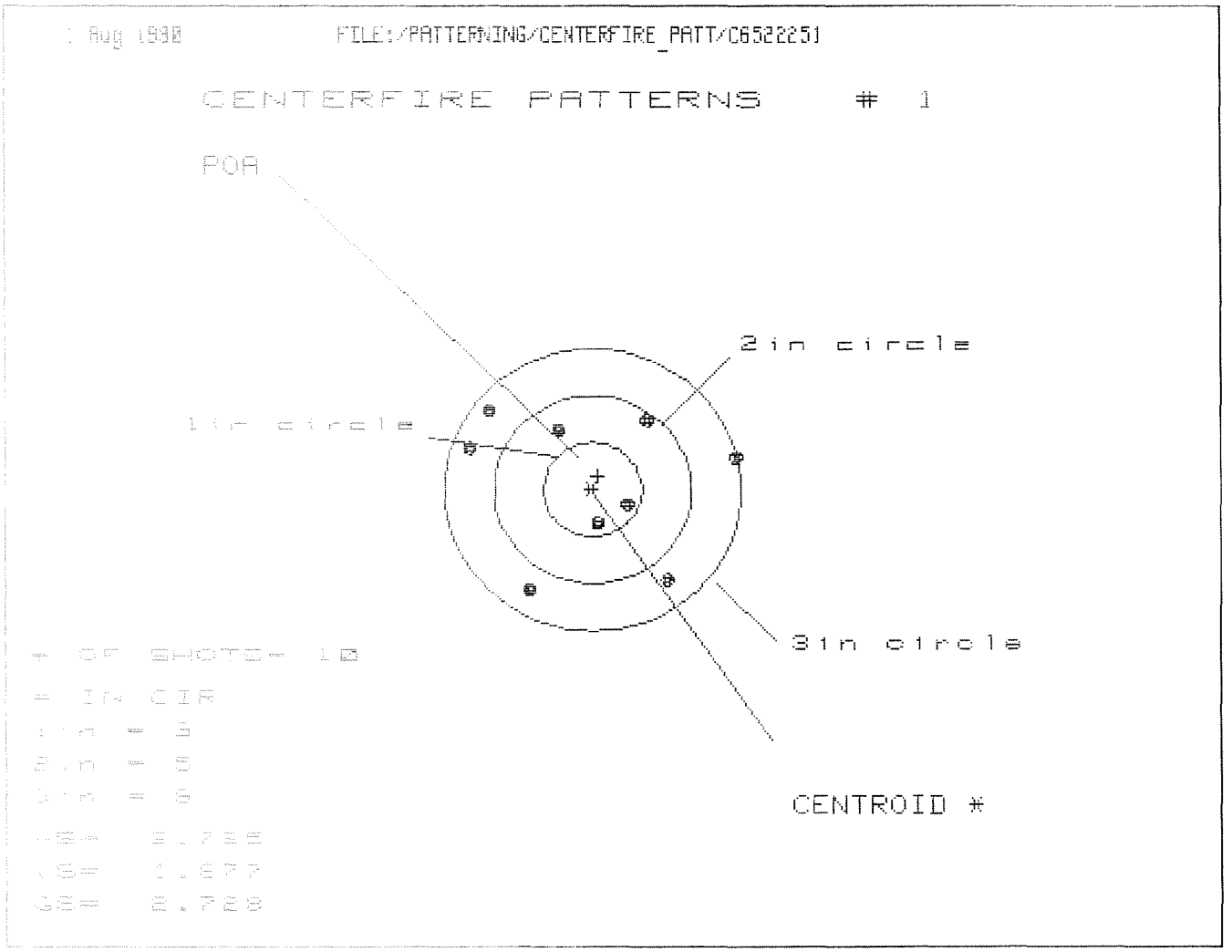
CENTROIDAL DISTANCES

0	TO	1	.152279
1	TO	2	.42547
1	TO	3	.211256
1	TO	4	.133417
1	TO	5	.214979

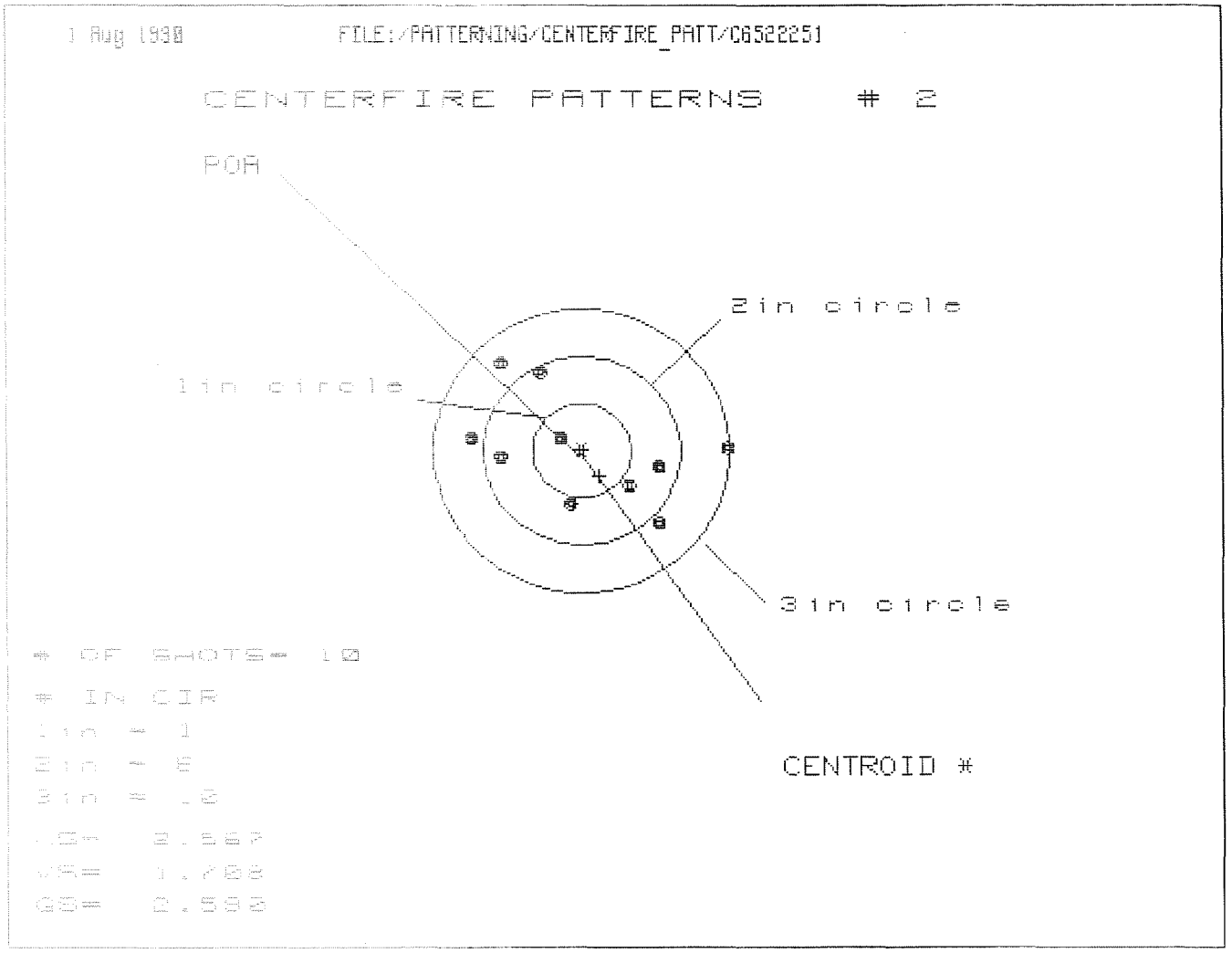
<----POA

THE AVERAGE [illegible] FOR THIS RIFLE IS: -.0704
THE AVERAGE [illegible] FOR THIS RIFLE IS: .0054
THE RESULTING AVERAGE FIC ANGLE FOR THIS RIFLE IS: .0706068

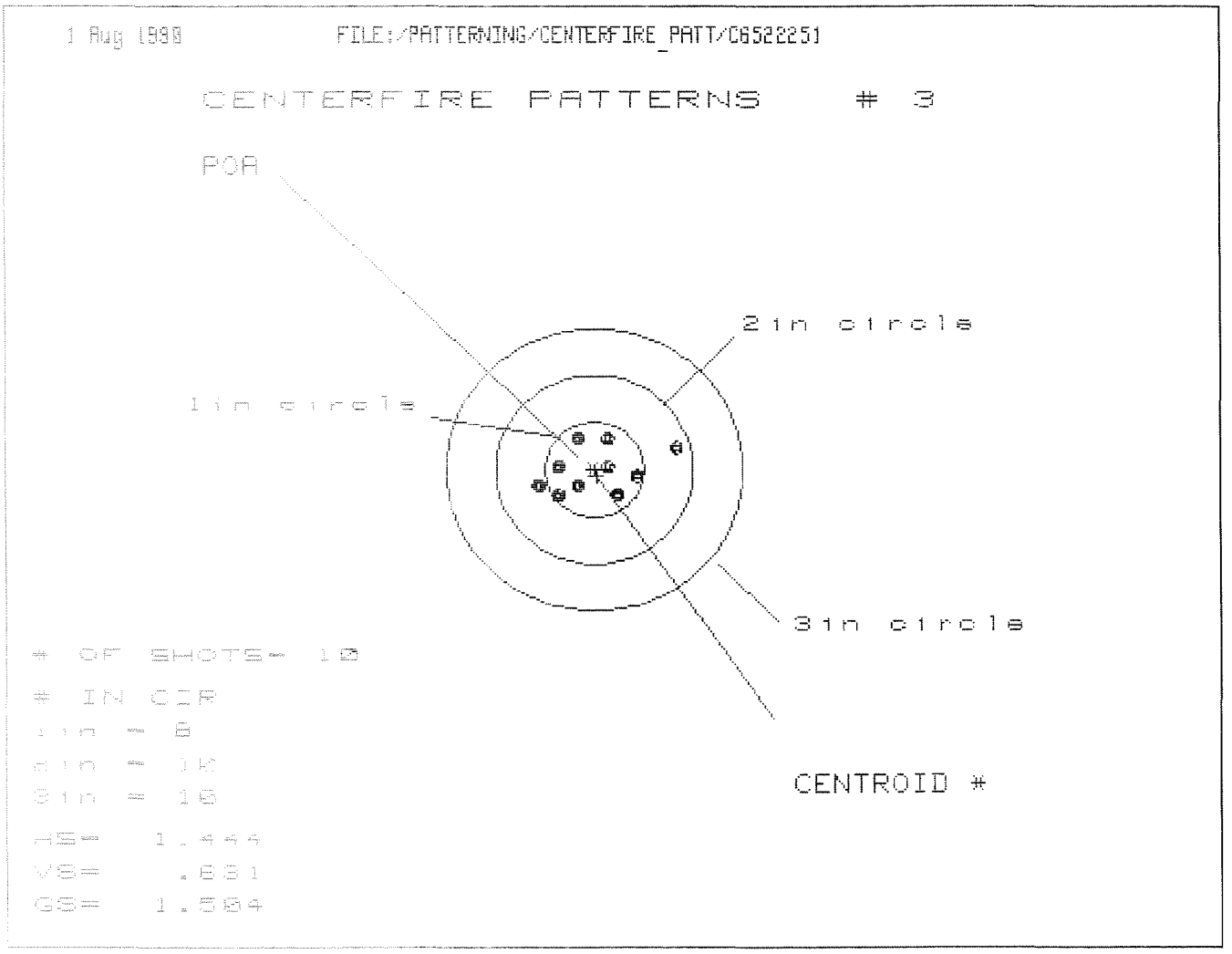
THE ANF FOR THIS RIFLE ... .7014



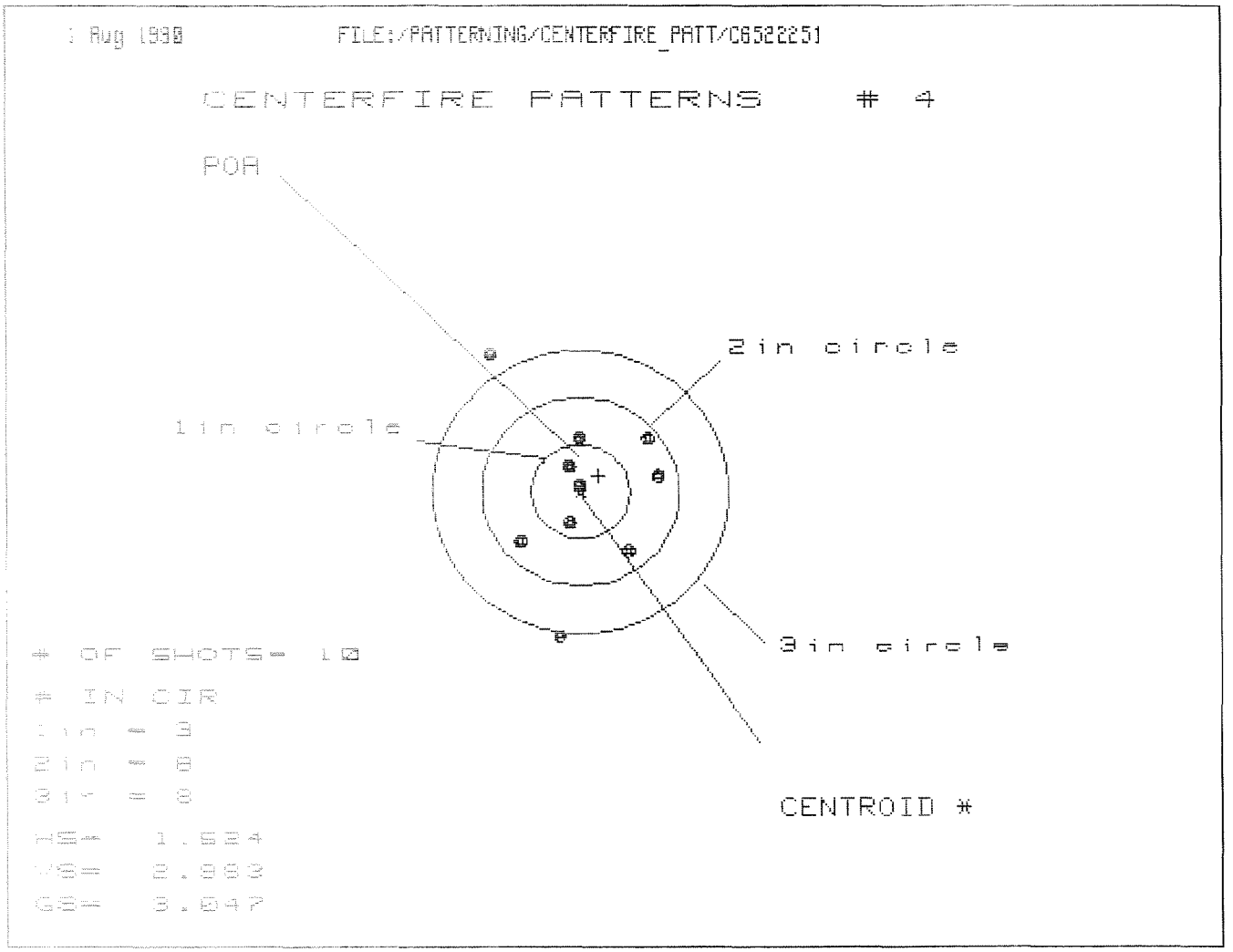
PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.491	.970	.856
MINIMUM X	:	-1.234	-1.068	-1.182
MAXIMUM Y	:	.809	.843	.901
MINIMUM Y	:	-1.067	-1.034	-.928
CENTROID X	:	-.055	-.221	-.107
CENTROID Y	:	-.142	-.176	-.282
POA TO CENTROID in.	:	.153	.282	.301
MIN RADIUS	:	.365	.388	.242
MEAN RADIUS	:	.950	.889	.807
MAX RADIUS	:	1.522	1.357	1.316
HORIZONTAL SPREAD	:	2.725	2.038	2.038
VERTICAL SPREAD	:	1.877	1.877	1.829
EXTREME SPREAD	:	2.720	2.599	2.484
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	



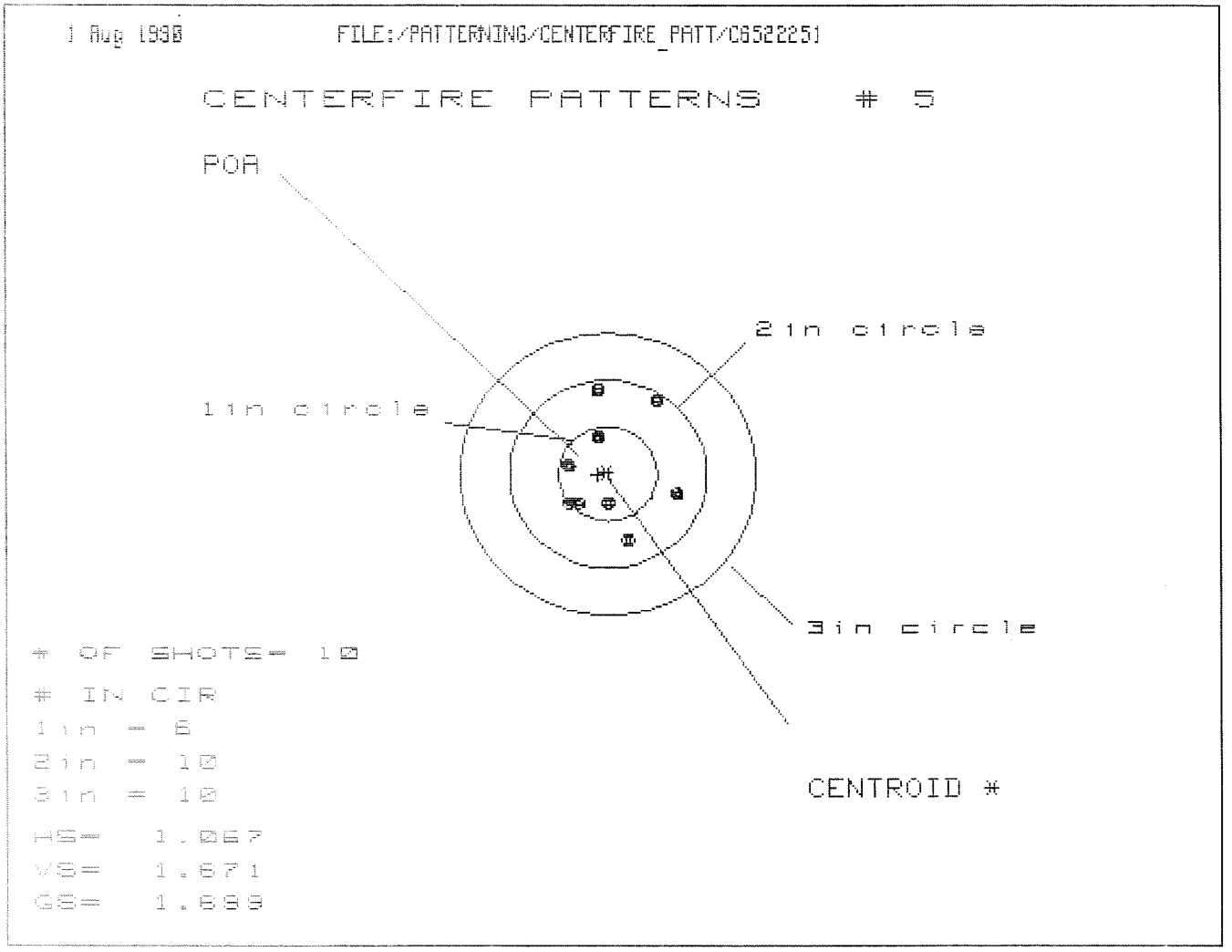
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.459	.989	.902
MINIMUM X	:	-1.128	-.966	-1.053
MAXIMUM Y	:	.910	.909	.905
MINIMUM Y	:	-.798	-.799	-.686
CENTROID X	:	-.179	-.341	-.254
CENTROID Y	:	.265	.266	.153
POA TO CENTROID in.	:	.319	.432	.296
MIN RADIUS	:	.224	.136	.269
MEAN RADIUS	:	.869	.807	.762
MAX RADIUS	:	1.459	1.214	1.075
HORIZONTAL SPREAD	:	2.587	1.955	1.955
VERTICAL SPREAD	:	1.708	1.708	1.591
EXTREME SPREAD	:	2.590	2.344	2.086
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.832	.492	.427
MINIMUM X	:	-.613	-.520	-.347
MAXIMUM Y	:	.368	.391	.368
MINIMUM Y	:	-.263	-.240	-.263
CENTROID X	:	-.022	-.124	-.059
CENTROID Y	:	.068	.045	.068
POA TO CENTROID in.	:	.075	.132	.090
MIN RADIUS	:	.150	.154	.176
MEAN RADIUS	:	.421	.365	.339
MAX RADIUS	:	.858	.552	.435
HORIZONTAL SPREAD	:	1.444	1.012	.774
VERTICAL SPREAD	:	.631	.631	.631
EXTREME SPREAD	:	1.504	1.019	.794
NUMBER IN ONE INCH CIRCLE	=		8	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.743	.645	.600
MINIMUM X	:	-.881	-.715	-.760
MAXIMUM Y	:	1.432	.775	.601
MINIMUM Y	:	-1.550	-1.391	-.603
CENTROID X	:	-.185	-.087	-.042
CENTROID Y	:	-.172	-.331	-.157
POA TO CENTROID in.	:	.252	.342	.162
MIN RADIUS	:	.061	.232	.132
MEAN RADIUS	:	.785	.696	.576
MAX RADIUS	:	1.682	1.437	.953
HORIZONTAL SPREAD	:	1.624	1.360	1.360
VERTICAL SPREAD	:	2.983	2.166	1.204
EXTREME SPREAD	:	3.047	2.373	1.772
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.692	.679	.737
MINIMUM X	:	-.375	-.388	-.330
MAXIMUM Y	:	.929	.889	.576
MINIMUM Y	:	-.742	-.639	-.527
CENTROID X	:	.099	.112	.054
CENTROID Y	:	.008	-.095	-.207
POA TO CENTROID in.	:	.099	.147	.214
MIN RADIUS	:	.295	.197	.077
MEAN RADIUS	:	.562	.498	.393
MAX RADIUS	:	.936	1.000	.737
HORIZONTAL SPREAD	:	1.067	1.067	1.067
VERTICAL SPREAD	:	1.671	1.528	1.103
EXTREME SPREAD	:	1.699	1.553	1.137
NUMBER IN ONE INCH CIRCLE	=		6	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	