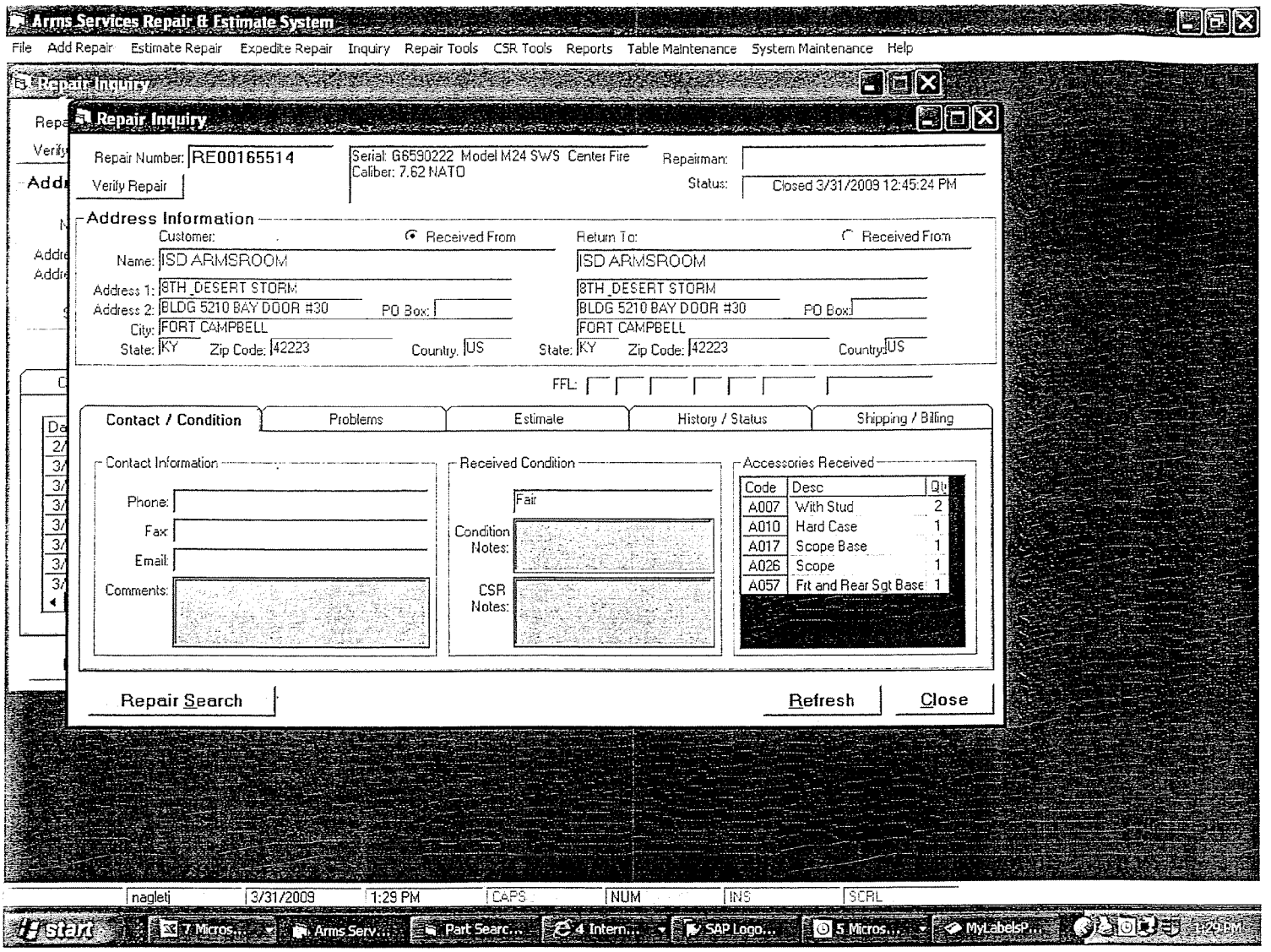
G 6570222
Replacem
C. 6225746



Flash Sup
sling

Serial Number: G6590222

Model: M24 SWS

RE00165514

M-24

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER 165514

SERIAL NUMBER G659 0222

LOG-IN DATE ~~3/31/09~~ 3/31/09

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		4-14-09	RTL
505	RE-BARREL		4-15-09	RTL
420	ASSEMBLE		4-15-09	RTL
440	PROOF		4-15-09	WW
460	CHECK HEADSPACE	MAGNA - FLUX	4-15-09	WW
470	DIS-ASSEMBLE GUN		4-15-09	RTL
480	MAGNAFLUX		4/18/09	(N)
510	DRILL AND TAP	OPERATOR	4-15-09	SP
500	ROLLMARK CALIBER		4/20/09	RT
520	GOFF BLAST BBL / REC		4/21/09	LM
530 & 540	APPLY COATINGS		4/21	—
560	FINAL ASSEMBLY		4-22-09	RTL
640	FUNCTION TEST AND	(PASS) FAIL	4-23-09	RP
650	TARGET	(PASS) FAIL	4-23-09	RP
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	4-23-09	L.P.D.
670	FINAL INSPECTION A) HEADSPACE	(PASS) FAIL	4-29-09	WW
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.83 2.84 2.83 2.81 2.77 4-29-09		WW
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	5 5 5 4-29-09		WW
	G) SAFETY OFF FORCE (2 LBS MIN)	2.5 2.5 2.5 4-29-09		WW
	I) FIRING PIN INDENT (.020)	.022 .022 .023 4-29-09		WW
690	PACK		5/4/09	FM

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6590222.__1
FILE DATE AND TIME: 04/24/2009 05:17

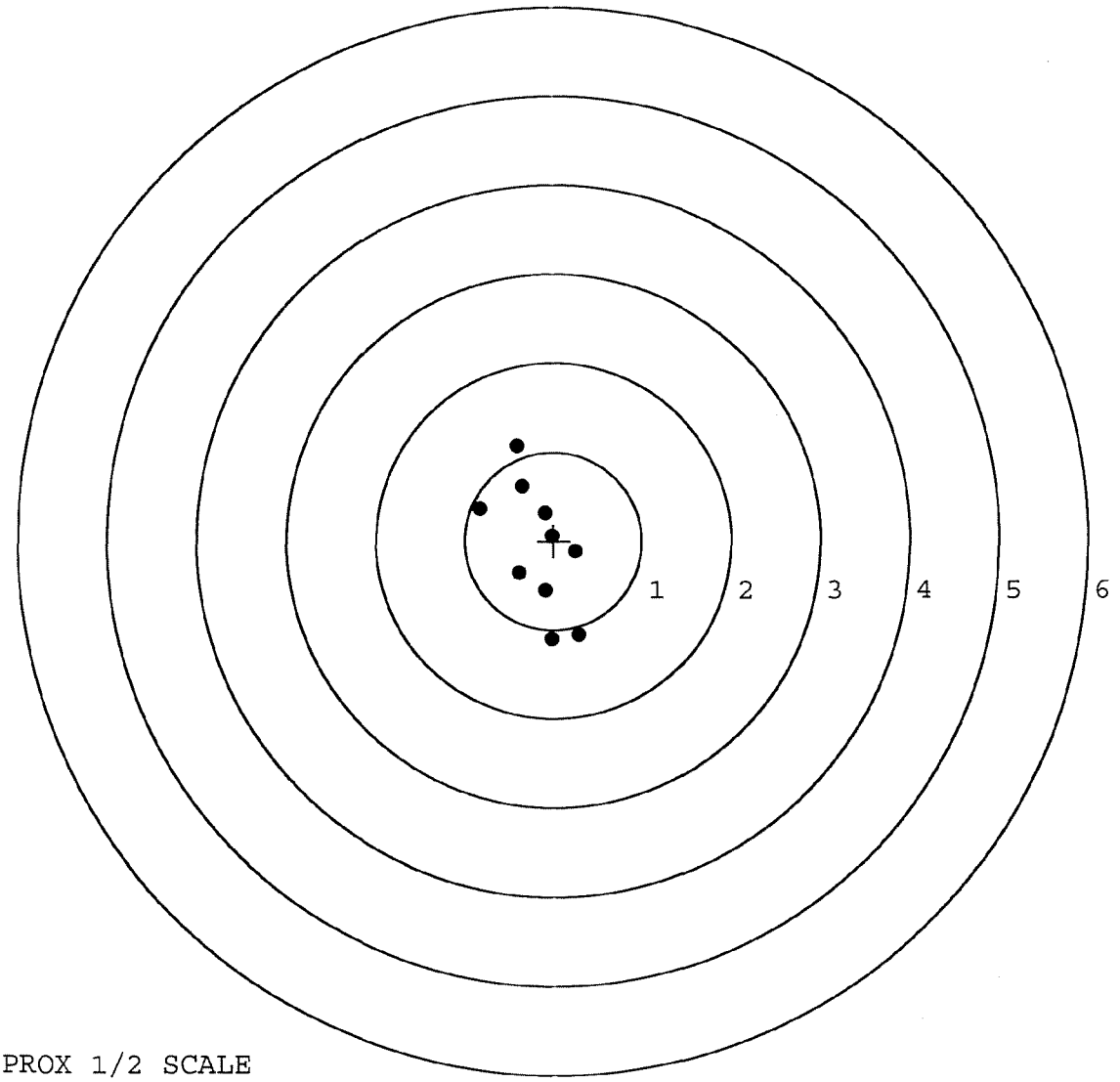
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.077
The Average Y Centroid of the Five Target Set:	0.011
The Average Point of Impact of the Five Target Set:	0.078
The Average Mean Radius of the Five Target Set:	0.643
The Distance from POA to Centroid Target #1:	0.187
The Distance from Centroid Target #2 to Centroid Target #1:	0.271
The Distance from Centroid Target #3 to Centroid Target #1:	0.288
The Distance from Centroid Target #4 to Centroid Target #1:	0.220
The Distance from Centroid Target #5 to Centroid Target #1:	0.150

SERIAL NUMBER: G6590222.__1
TARGET NUMBER: 1
FILE DATE: 04/24/2009
FILE TIME: 05:17

X CENTROID:	-0.169
Y CENTROID:	-0.080
POA TO CENTROID:	0.187
HORZ SPREAD:	1.120
VERT SPREAD:	2.185
GROUP SPREAD:	2.249
MIN RADIUS:	0.198
MAX RADIUS:	1.179
MEAN RADIUS:	0.669
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.025	-1.113
2:	0.290	-1.062
3:	-0.093	-0.566
4:	-0.388	-0.363
5:	-0.830	0.366
6:	-0.419	1.072
7:	-0.355	0.614
8:	-0.096	0.316
9:	-0.026	0.056
10:	0.250	-0.121



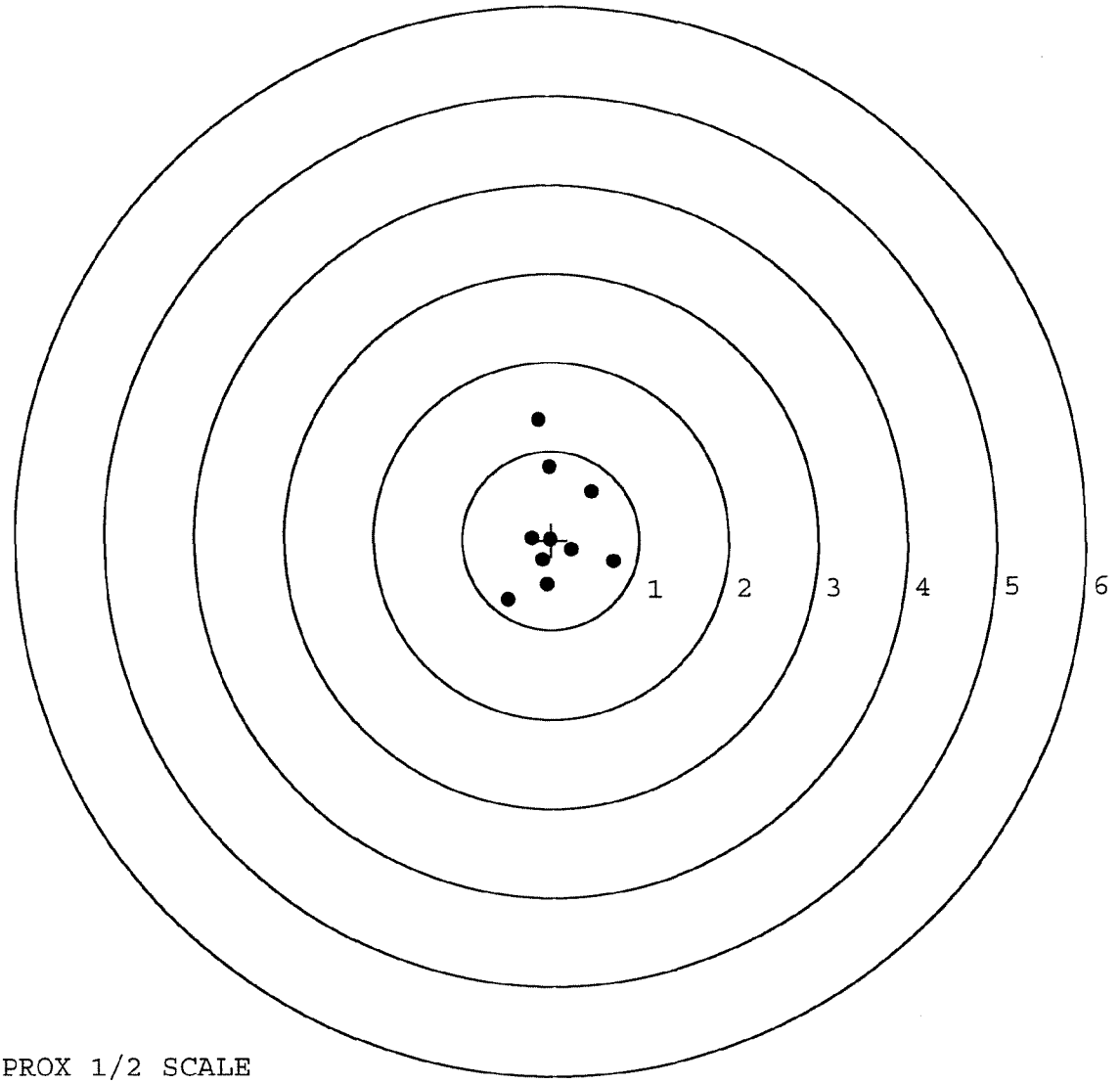
TARGET APPROX 1/2 SCALE

BARBER - M24 0166936

SERIAL NUMBER: G6590222.__1
TARGET NUMBER: 2
FILE DATE: 04/24/2009
FILE TIME: 05:17

X CENTROID:	0.034
Y CENTROID:	0.099
POA TO CENTROID:	0.105
HORZ SPREAD:	1.203
VERT SPREAD:	2.017
GROUP SPREAD:	2.049
MIN RADIUS:	0.102
MAX RADIUS:	1.261
MEAN RADIUS:	0.592
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.135	1.349
2:	-0.014	0.823
3:	0.464	0.544
4:	0.705	-0.245
5:	-0.498	-0.668
6:	-0.059	-0.505
7:	0.226	-0.112
8:	-0.102	-0.226
9:	-0.226	0.021
10:	-0.016	0.011

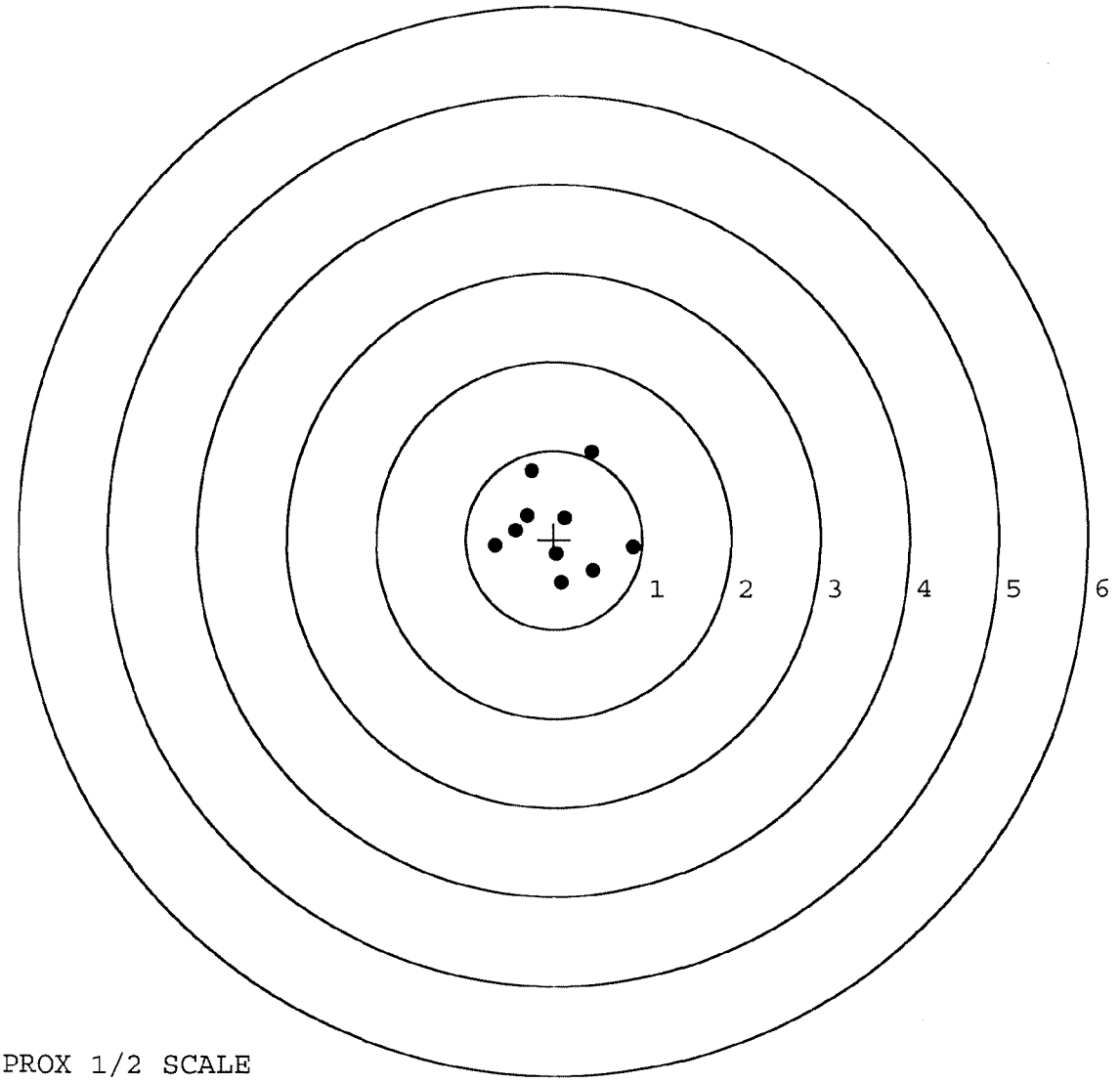


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590222.__1
TARGET NUMBER: 3
FILE DATE: 04/24/2009
FILE TIME: 05:17

X CENTROID:	0.036
Y CENTROID:	0.121
POA TO CENTROID:	0.126
HORZ SPREAD:	1.568
VERT SPREAD:	1.462
GROUP SPREAD:	1.523
MIN RADIUS:	0.148
MAX RADIUS:	0.947
MEAN RADIUS:	0.578
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.253	0.773
2:	0.435	0.980
3:	-0.670	-0.068
4:	-0.435	0.100
5:	-0.300	0.270
6:	0.122	0.242
7:	0.027	-0.166
8:	0.092	-0.482
9:	0.448	-0.349
10:	0.898	-0.090

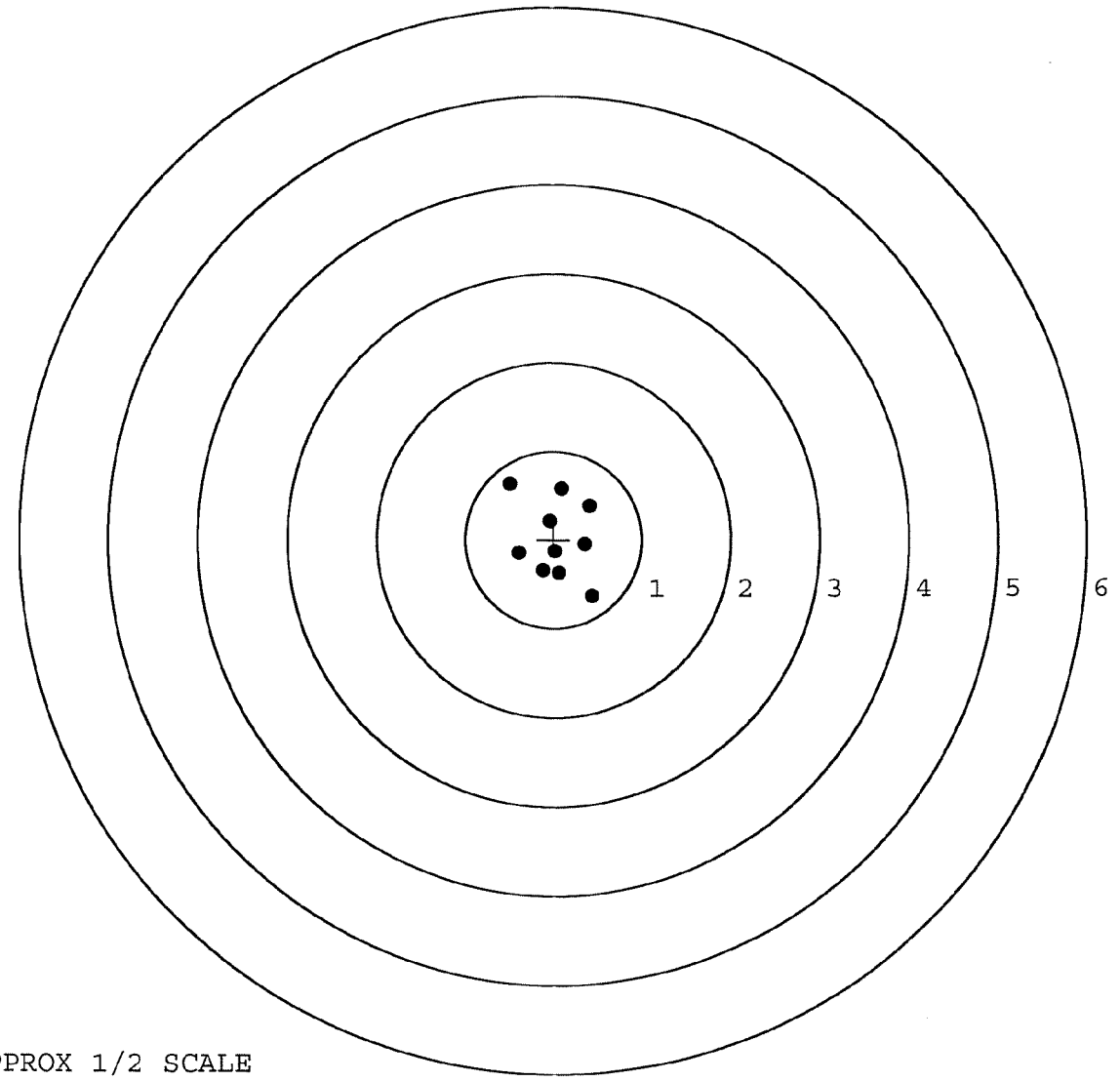


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590222.__1
TARGET NUMBER: 4
FILE DATE: 04/24/2009
FILE TIME: 05:17

X CENTROID:	0.033
Y CENTROID:	0.007
POA TO CENTROID:	0.034
HORZ SPREAD:	0.934
VERT SPREAD:	1.272
GROUP SPREAD:	1.578
MIN RADIUS:	0.144
MAX RADIUS:	0.816
MEAN RADIUS:	0.463
# IN 1 IN DIAMETER:	6
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.495	0.629
2:	0.099	0.580
3:	0.408	0.382
4:	0.439	-0.643
5:	-0.396	-0.157
6:	-0.123	-0.356
7:	0.062	-0.381
8:	-0.042	0.211
9:	0.360	-0.060
10:	0.019	-0.136

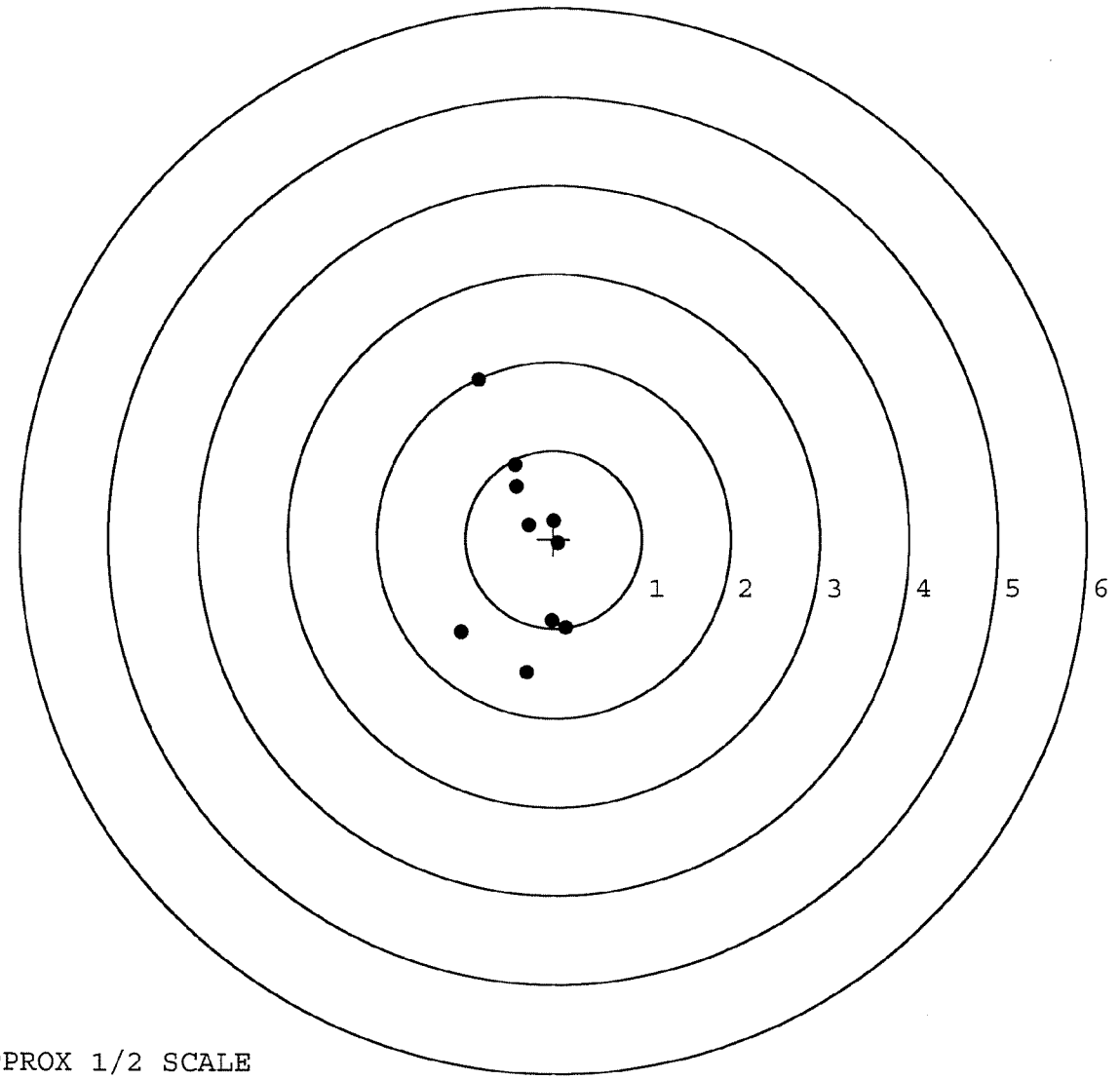


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590222.__1
TARGET NUMBER: 5
FILE DATE: 04/24/2009
FILE TIME: 05:17

X CENTROID:	-0.319
Y CENTROID:	-0.094
POA TO CENTROID:	0.332
HORZ SPREAD:	1.186
VERT SPREAD:	3.290
GROUP SPREAD:	3.334
MIN RADIUS:	0.255
MAX RADIUS:	1.962
MEAN RADIUS:	0.915
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-1.051	-1.047
2:	-0.308	-1.495
3:	0.135	-0.999
4:	-0.021	-0.926
5:	-0.850	1.795
6:	-0.436	0.835
7:	-0.422	0.592
8:	-0.284	0.159
9:	0.002	0.200
10:	0.048	-0.050



TARGET APPROX 1/2 SCALE

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: RE00126841
Verify Repair

Serial: C6225446 Model M24 SWS Center Fire
Produced: 06/21/1989

Repairman:
Status: New 3/16/2007 3:04:10 PM

Address Information

Customer: (Received From)		Return To: (Received From)	
Name:	ISSD ARMS ROOM		ISSD ARMS ROOM
Address 1:	8TH AND DESERT STORM		8TH AND DESERT STORM
Address 2:	BLDG 5210 BAY DOOR #30 PO Box:		BLDG 5210 BAY DOOR #30 PO Box:
City:	FORT CAMPBELL		FORT CAMPBELL
State:	KY Zip Code: 42223 Country:		KY Zip Code: 42223 Country:

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
A026	Scope	1
A057	Frt and Rear Sgt Base	2

Repair Search | Refresh | Close

nagletj | 3/19/2007 | 8:50 AM | CAPS | NUM | INS | SCRL

start | 2 Micros... | Part Sear... | 2 Micros... | 5 Intern... | Arms Ser... | 8:50 AM

C6590222 (X/rw)

Serial Number: C6225446

Model: M24 SWS

RE00126841

M24-02

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
HHC 2-502 INF	RIFLE 7.76MM SNIP M24

3. REGISTRATION/SERIAL/NSN	4a. MILES	b. HOURS	c. ROUNDS FIRED	d. HOT STARTS	5. DATE	6. TYPE INSPECTION
C6225413/1005-01-240-2136					08 MAR 07	PMCS

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
Victor K Ntemo				

TM ITEM NO. a	STATUS b	DEFICIENCIES AND SHORTCOMINGS c	CORRECTIVE ACTION d	INITIAL WHEN CORRECTED e
1	X	EXCEEDED ROUND COUNT		

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

MAINTENANCE REQUEST For use of this form, see DA PAM 750-8; the proponent agency is DCS, G-4.	PAGE NO	NO OF PAGES	REQUIREMENT CONTROL SYMBOL CSGLD-1047(*R1*)

SECTION I - CUSTOMER DATA			SECTION II - MAINTENANCE ACTIVITY DATA		
1a. UIC CUSTOMER WACQT0	1b. CUSTOMER UNIT NAME HHC 2/502	1c. PHONE NO	3a. WORK ORDER NUMBER (*WON*)	3b. SHOP	3c. PHONE NO
2a. SAMS-2 UIC/SAMS-I/TDA	2b. UTILIZATION CODE	2c. MCSR	4a. UIC SUPPORT UNIT	4b. SUPPORT UNIT NAME F CO 526	

SECTION III - EQUIPMENT DATA

Field	Entry
5. TYPE MNT REQ CODE	
6. ID	
7. NSN	1005-01-240-2136
8. MODEL	M24
9. NOUN	RIFLE 7.76MM SNIPPER
10a ORG WON/DOC NO	
10b. EIC	
11. SERIAL NUMBER	G6225446
12. QTY	001
13. PD	
14. MALFUNCTION DESCRIPTION (*for DSU, GSU/AVIM, DEPOT use*)	
15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (*Enter code*) See DA Pamphlets 738-750 and 738-751	
15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (*Enter Code*) See DA Pamphlets 738-750 and 738-751	
16. MILES/KILOMETERS/HOURS/ROUNDS	M: K: H: R:
17. PROJECT CODE (*if assigned*)	
18. ACCOUNT PROCESSING CODE	
19. IN WARRANTY? (*enter Y or N*)	
20. ADMIN NO	
21. REIMBURSABLE CUSTOMER (*if Intransit customer enter Y or N*)	
22. LEVEL OF WORK	
23. SIGNATURE	

24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (*Do not prescribe repairs*)

EXCEEDED ROUND COUNT

25. REMARKS

PREPARATION INSTRUCTIONS FOR THIS PAGE

SECTION I

Block 1a. Enter UIC of submitting organization.
Block 1b. Enter name of submitting organization.
Block 1c. Enter number to be called when maint. is completed.
Block 2a. Enter UIC of supporting SAMS-2/SAMS-I/TDA if work is requested while intransit and away from your support maintenance unit.
Block 2b. Enter utilization code. See DA Pamphlets 738-750 and 738-751.
Block 2c. Enter "Y" if reportable under AR 700-138. If not, leave blank.

SECTION II

Leave blank. To be completed by the support maintenance DSU/GSU/AVIM/DEPOT.

SECTION III

Block 5. Enter the Type Maintenance Request Code. See DA Pamphlets 738-750 and 738-751.
Block 6. Enter ID associated with block 7. See DA Pamphlets 738-750 and 738-751.
Block 7. Enter the NSN or stock number of the item being submitted.
Block 8. Enter model of item being submitted.
Block 9. Enter noun/nomenclature of item being submitted.
Block 10a. Enter Work Order Number (*WON*)/*DOC NO* assigned when item is submitted. Otherwise, leave blank.
Block 10b. Enter End Item Code. See AMDF.
Block 11. Enter serial number of item being submitted.

SECTION III (*Cont'd*)

Block 12. Enter the quantity of items being submitted.
Block 13. Enter the maintenance priority designator determined from DA PAM 710-2-1.
Block 14. For DSU, GSU/AVIM, DEPOT use.
Block 15a. Enter the code that most accurately describes when the fault or deficiency was detected. See DA Pamphlets 738-750 and 738-751.
Block 15b. Select one. Enter the code. See DA Pamphlets 738-750 and 738-751.
Block 16. Enter the accumulated usage data in blocks, when equipment is subject to usage reporting.
Block 17. Enter the project code if one has been assigned. If not, leave blank.
Block 18. See DA Pamphlets 738-750 and 738-751.
Block 19. Enter "Y" or "N" to indicate whether equipment is still under manufacturer's warranty.
Block 20. Enter the admin number assigned for property control purposes for the equipment being submitted.
Block 21. For DSU/GSU/AVIM/Depot use.
Block 22. Enter level of work performed "O" for UNIT LEVEL/AVUM, "F" for DSU/AVIM, "H" for GSU, "D" for DEPOT, "K" for contractor or "L" for Spc Rpr Act.
Block 23. Enter the signature of the CO or the CO's designated representative when the priority designator is 01-10. For priority designators 11-15, leave blank.
Block 24. Enter a brief description of the deficiencies or symptoms that you feel require attention at this level of maint.
Block 25. Self-explanatory.

34a. SUBMITTED BY	35a. ACCEPTED BY	35c. DATE
[illegible signature]		
34b. DATE	**35b. STATUS**	**35d. TIME**
07067		

Block 34a. Enter first initial and last name of submitter.
Block 34b. Enter ordinal date submitted (*YYDDD*).
Block 35a. Enter first initial and last name of person accepting maint. request.
Block 35b. Enter the initial status. See DA Pamphlets 738-750 and 738-751.
Block 35c. Enter ordinal date accepted (*YYDDD*).
Block 35d. Enter military time.

DA FORM 2407, JUL 94 PREVIOUS EDITIONS OF DA FORM 2407 AND DA FORM 5504 ARE OBSOLETE RECEIPT COPY 1

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

R & E NUMBER	126841
SERIAL NUMBER	~~C022544G~~ C0590222 (New)
LOG-IN DATE	3-16-07

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		3-28-07	RTC
505	RE-BARREL		4-3-07	RTC
560	ASSEMBLE		4-3-07	RTC
600	PROOF		4-3-07	TRW
605	CHECK HEADSPACE	INSPECTED	4-3-07	TRW
610	DIS-ASSEMBLE GUN	APR 05 2007	4-4-07	RTC
612	MAGNAFLUX	OPERATOR APD	4-4-07	APD
510	DRILL AND TAP		4-4-07	TRW
615	ROLLMARK CALIBER		4-5-07	CW
618	ROTO-BLAST		4-5-07	LB
620	APPLY COATINGS		4/9/07	ZB
625	FINAL ASSEMBLY		4-12-07	RTC
640	FUNCTION TEST AND	(PASS) FAIL	4/12/07	MOW
650	TARGET	(PASS) FAIL	4/12/07	MOW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		4/12/07	MOW
	A) HEADSPACE	(PASS) FAIL	4/19/07	MOW
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.42 2.40 2.42 2.31 2.30	4/19/07	MOW
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	5.0 4.0 4.0	4/19/07	MOW
	G) SAFETY OFF FORCE (2 LBS MIN)	2.25 2.0 2.0	4/19/07	MOW
	I) FIRING PIN INDENT (.020)	.021 .020 .022	4/19/07	MOW
690	PACK		4/24/07	RA

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6590222.__0
FILE DATE AND TIME: 04/12/2007 23:52

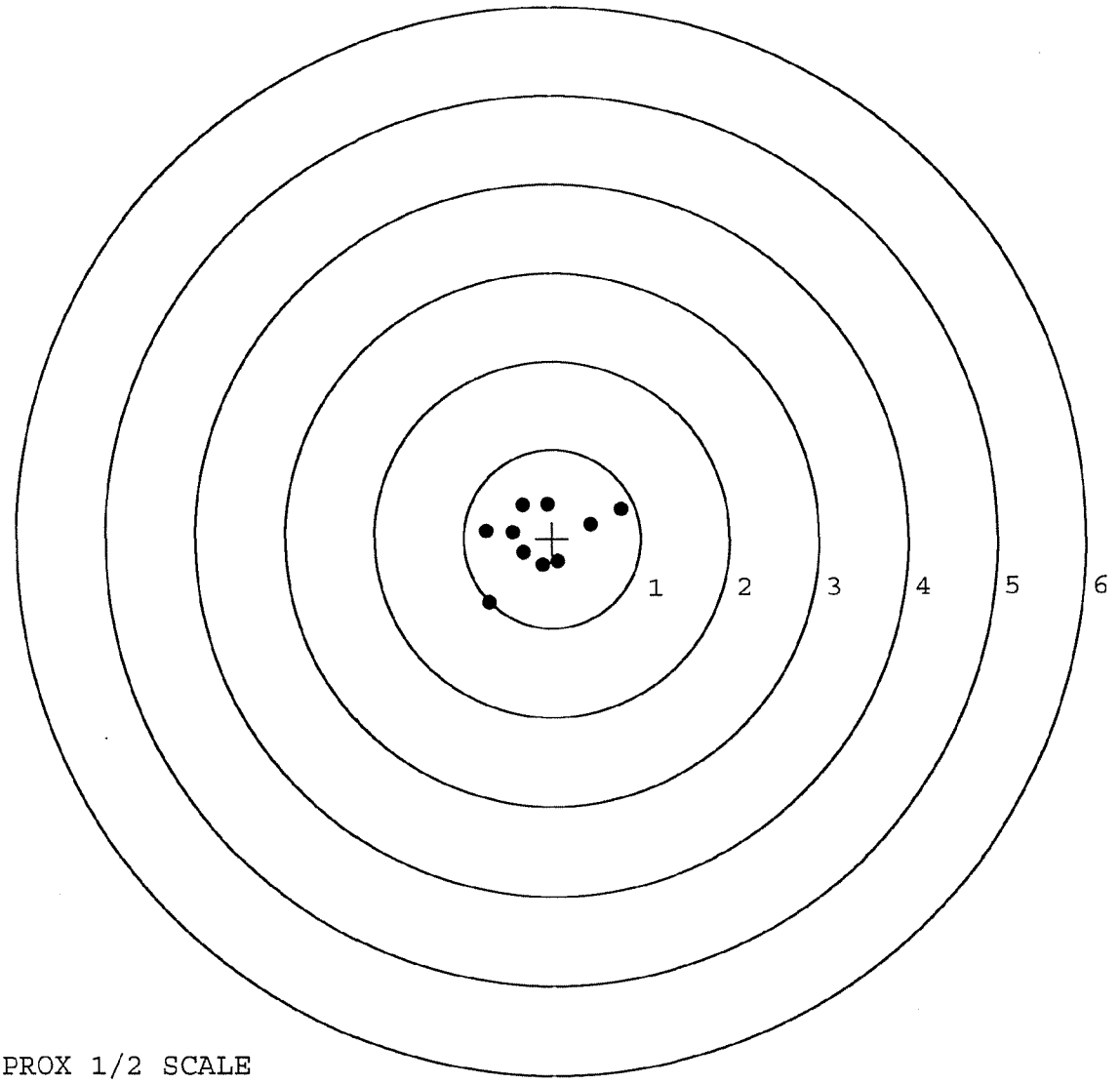
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.056
The Average Y Centroid of the Five Target Set:	0.100
The Average Point of Impact of the Five Target Set:	0.114
The Average Mean Radius of the Five Target Set:	0.663
The Distance from POA to Centroid Target #1:	0.143
The Distance from Centroid Target #2 to Centroid Target #1:	0.190
The Distance from Centroid Target #3 to Centroid Target #1:	0.313
The Distance from Centroid Target #4 to Centroid Target #1:	0.080
The Distance from Centroid Target #5 to Centroid Target #1:	0.170

SERIAL NUMBER: G6590222.__0
TARGET NUMBER: 1
FILE DATE: 04/12/2007
FILE TIME: 23:52

X CENTROID:	-0.143
Y CENTROID:	-0.003
POA TO CENTROID:	0.143
HORZ SPREAD:	1.539
VERT SPREAD:	1.107
GROUP SPREAD:	1.840
MIN RADIUS:	0.242
MAX RADIUS:	0.994
MEAN RADIUS:	0.513
# IN 1 IN DIAMETER:	6
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.331	0.379
2:	-0.053	0.385
3:	0.446	0.156
4:	0.793	0.333
5:	0.064	-0.257
6:	-0.113	-0.298
7:	-0.327	-0.159
8:	-0.444	0.070
9:	-0.746	0.084
10:	-0.715	-0.722

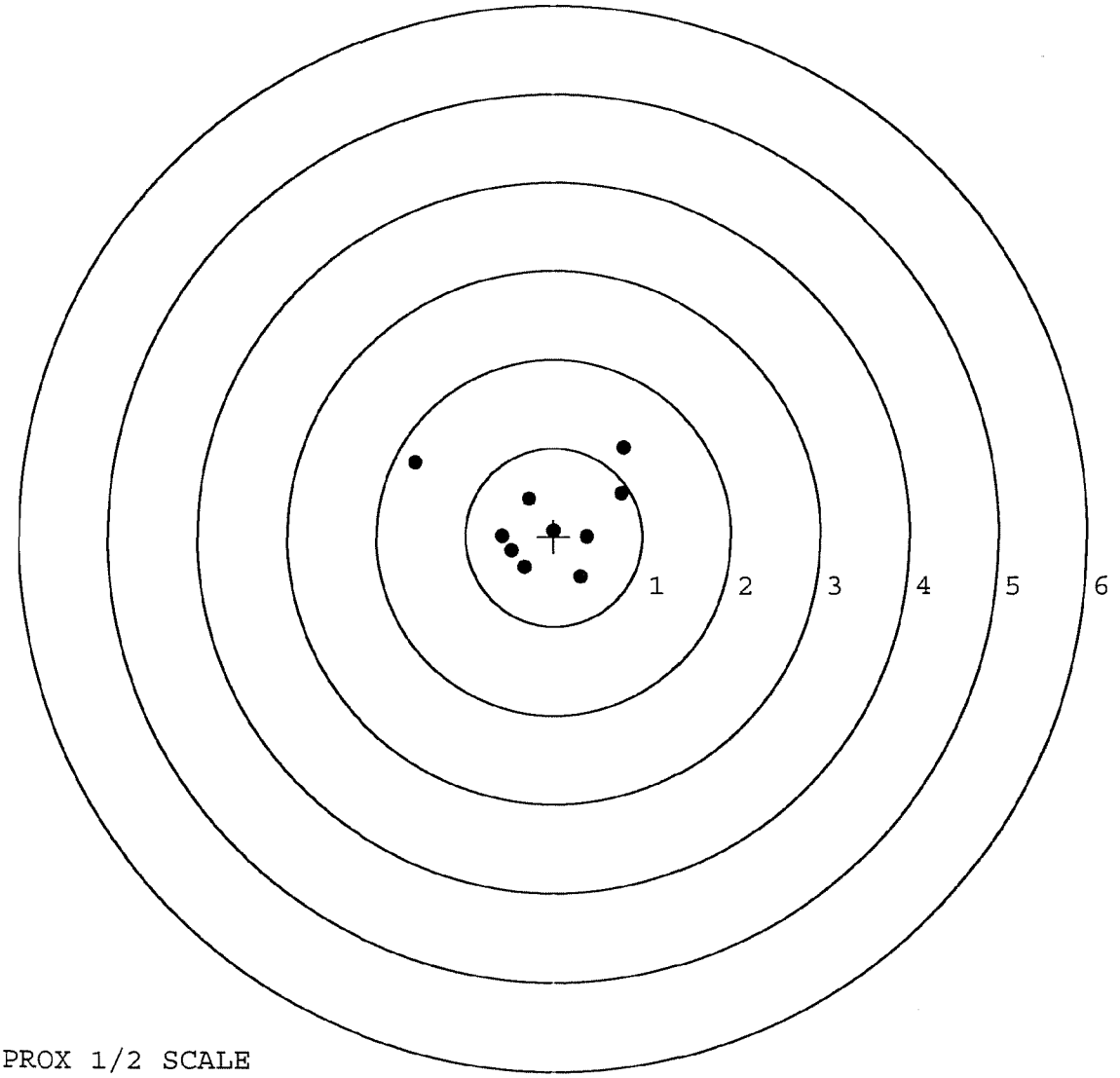


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590222.__0
TARGET NUMBER: 2
FILE DATE: 04/12/2007
FILE TIME: 23:52

X CENTROID:	-0.098
Y CENTROID:	0.182
POA TO CENTROID:	0.207
HORZ SPREAD:	2.360
VERT SPREAD:	1.462
GROUP SPREAD:	2.366
MIN RADIUS:	0.155
MAX RADIUS:	1.603
MEAN RADIUS:	0.709
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-0.286	0.421
2:	-0.591	-0.001
3:	-0.327	-0.350
4:	-1.560	0.839
5:	0.004	0.065
6:	0.376	-0.012
7:	0.311	-0.459
8:	0.773	0.481
9:	0.800	1.003
10:	-0.476	-0.166

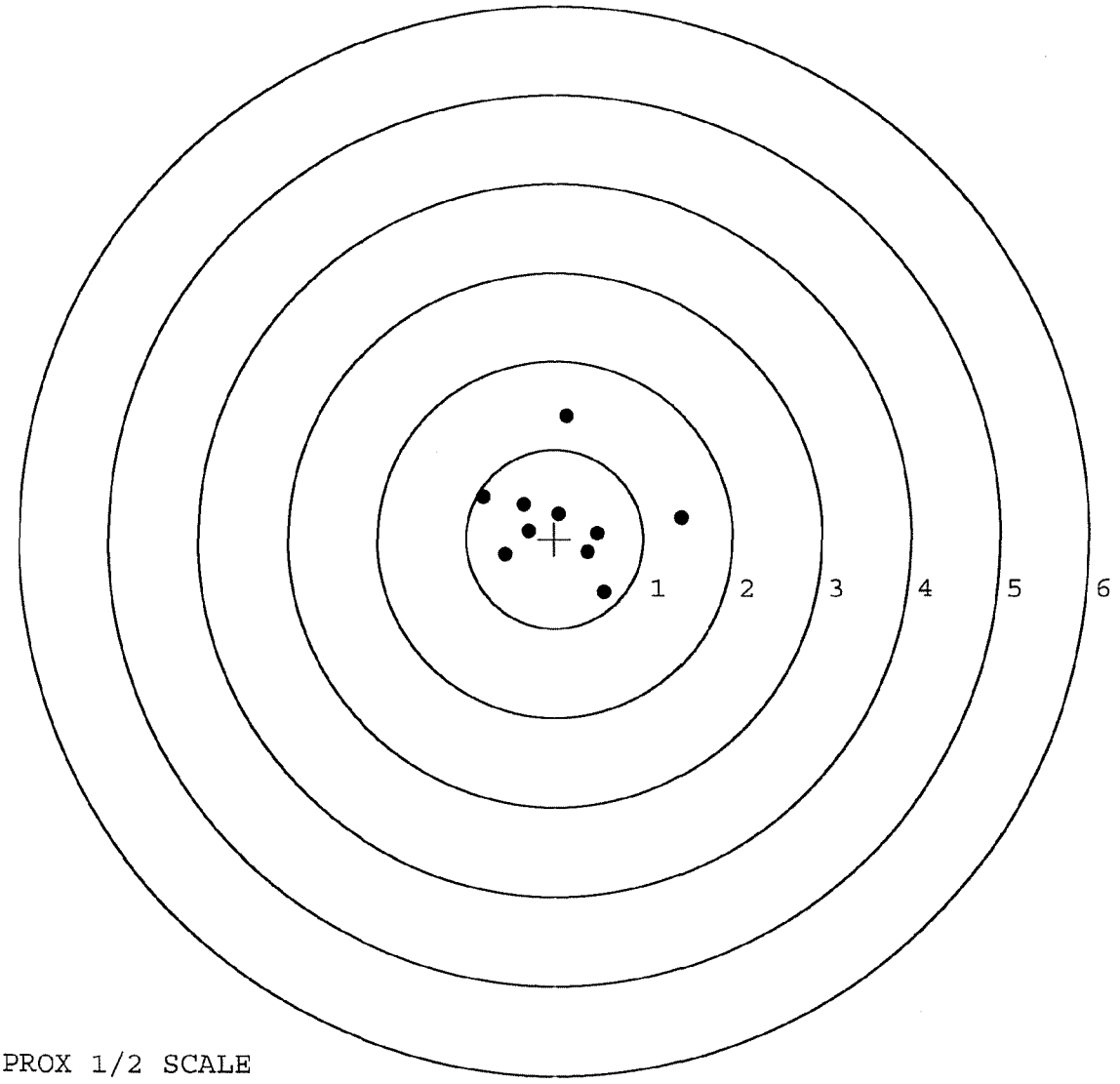


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590222.__0
TARGET NUMBER: 3
FILE DATE: 04/12/2007
FILE TIME: 23:52

X CENTROID:	0.098
Y CENTROID:	0.197
POA TO CENTROID:	0.220
HORZ SPREAD:	2.235
VERT SPREAD:	1.979
GROUP SPREAD:	2.246
MIN RADIUS:	0.096
MAX RADIUS:	1.326
MEAN RADIUS:	0.699
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.811	0.468
2:	-0.359	0.382
3:	-0.303	0.090
4:	-0.561	-0.178
5:	0.043	0.276
6:	0.376	-0.148
7:	0.476	0.064
8:	0.564	-0.603
9:	1.424	0.243
10:	0.134	1.376

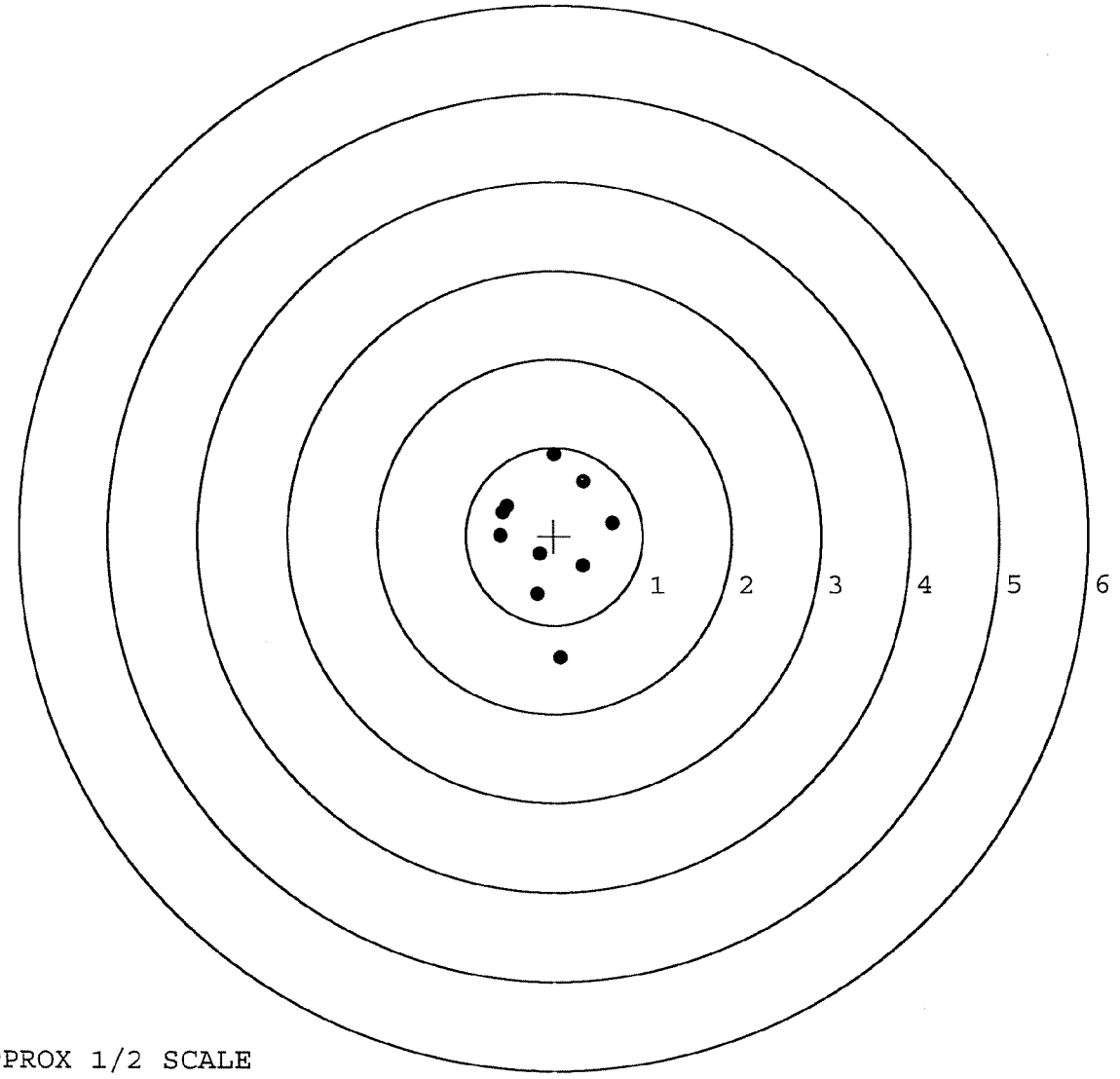


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590222.__0
TARGET NUMBER: 4
FILE DATE: 04/12/2007
FILE TIME: 23:52

X CENTROID:	-0.067
Y CENTROID:	-0.029
POA TO CENTROID:	0.073
HORZ SPREAD:	1.273
VERT SPREAD:	2.296
GROUP SPREAD:	2.297
MIN RADIUS:	0.196
MAX RADIUS:	1.352
MEAN RADIUS:	0.689
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.537	0.335
2:	-0.586	0.261
3:	-0.607	-0.004
4:	-0.161	-0.201
5:	-0.190	-0.658
6:	0.331	-0.335
7:	0.666	0.143
8:	0.336	0.619
9:	0.002	0.923
10:	0.079	-1.373

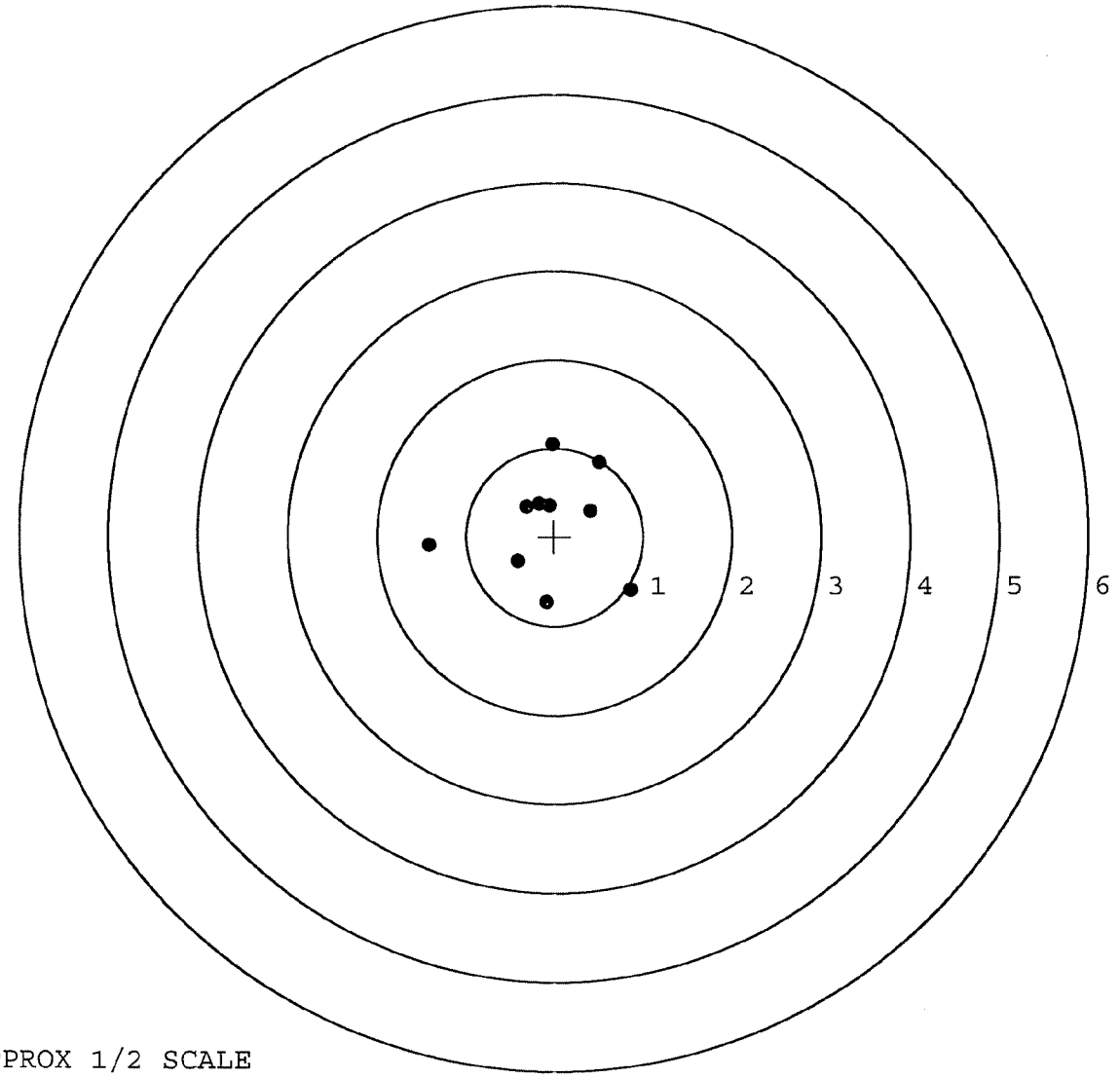


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590222.__0
TARGET NUMBER: 5
FILE DATE: 04/12/2007
FILE TIME: 23:52

X CENTROID:	-0.071
Y CENTROID:	0.151
POA TO CENTROID:	0.167
HORZ SPREAD:	2.279
VERT SPREAD:	1.782
GROUP SPREAD:	2.332
MIN RADIUS:	0.203
MAX RADIUS:	1.368
MEAN RADIUS:	0.707
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.026	1.042
2:	-0.054	0.353
3:	0.412	0.291
4:	0.512	0.842
5:	-0.319	0.337
6:	0.864	-0.600
7:	-0.089	-0.740
8:	-0.418	-0.281
9:	-1.415	-0.106
10:	-0.178	0.372



TARGET APPROX 1/2 SCALE

BARBER - M24 0166950

RECEIVING AND ESTIMATING REPORT

COMMENTS: WOG 2 OF 4

ORDER: R 99-16331

INITIAL	CUSTOMER ORDER NO.
SWS	

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
08/20/99	08/24/99	LJ 2/89	C6225446		700 7.62NAT M24 SWS

ACCESSORIES: W/STUDS HARD CASE SCOPE BASE W/ADJ BUTT PLATE

FROM:

COMMANDER
101ST ABN DIV (AASLT)
ATTN: AFZB-DL-S-P-S
FORT CAMPBELL KY 42223

SHIP TO:

COMMANDER
101ST ABN DIV (AASLT)
ATTN: AFZB-DL-S-P-S
FORT CAMPBELL KY 42223

CUST NO:061543 C.O.D.

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE	PROM. DATE	ESTIMATED	VIA
		☐			UPS

GUN CONDITION
- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

REPAIR CHARGE	
EXCISE	
TAX	
INSURANCE	
UPS	
PARCEL POST	
TOTAL	

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS

BBL 96003
Stock 96018
Front Sight Base 96011

COMMENTS

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
RW	✓	✓	✓	✓	

GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
RW		11-22-99	11-23-99	11-23-99	

OFFICE COPY

RD8925 REV. 7/97

POC PFC Addicks 798-3314

DATE: 19990802 MAINTENANCE REQUEST DA FORM 5990-E

---------- CUSTOMER DATA ----------

UIC: WACQAA 2/502 INF PHONE: (502)798-2433
UTIL CODE: 0

---------- ACTIVITY DATA ----------

SUP WON: 2688 B CO 526TH FSB PHONE: 798-2871
SUP UIC: WFJ3B0 SHOP SEC: A

---------- EQUIPMENT DATA ----------

TYPE MNT REQ: 1 ID: A NSN: 1005012402136 MODEL: M24

NOUN: RIFLE, 7.62 SER NUM: C6225446 QTY: 00001

ORG WON: ACQAA1929624 PRIORITY: 02 FAILURE DETECTED: F

MI/KM: ------ HOURS: ------ ROUNDS:

IN WARRANTY: LEVEL OF WORK: F ADMIN NUM:

DEFICIENCY: DUE FOR RD SERVICE

PD AUTHENTICATING SIGNATURE: [signature]

---------- SIGNATURE DATA ----------

SUBMITTED BY: [signature] ORD DATE: 99215 MIL TIME:

ACCEPTED BY: 253 STATUS: A ORD DATE: 99215 MIL TIME:

---------- ACTION DATA ----------

WORK STARTED BY: 053 STATUS: B ORD DATE: MIL TIME:

INSPECTED BY: 053 STATUS: R ORD DATE: MIL TIME:

PICKED UP BY: [signature] STATUS: U ORD DATE: MIL TIME:

---------- COMPLETION DATA ----------

QTY RPR: QTY CONDEMNED: NRTS:

EVAC WON: EVAC UNIT NAME:

IAW AR 725-50, code: F
Inspected by B Co 526th FSB
Ins: [signature] INSP #053

NSN 1005-01-248-2136

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
HHC 2/502 In	M24 7.62 mm Sniper weapon System

3. REGISTRATION/SERIAL/NSN	4a. MILES	b. HOURS	c. ROUNDS FIRED	d. HOT STARTS	5. DATE	6. TYPE INSPECTION
CC6225 [illegible] 846			5500 +/-		30 July 99	Q-PMCS

7. APPLICABLE REFERENCE

TM NUMBER	TM DATE	TM NUMBER	TM DATE
9-1005-306-10	June 89 w/C7		

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 materiel 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

TM ITEM NO. a	STATUS b	DEFICIENCIES AND SHORTCOMINGS c	CORRECTIVE ACTION d	INITIAL WHEN CORRECTED e
1	X	Due for 5,000 rd Service		
		(round count over 5,000)		

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

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

*U.S. Government Printing Office: 1996 - 409-184

21 DAY TURN - AROUND

M-24
CONTRACT # DAAA09-92-C-0834

R&E NO. **SERIAL NO.** C6225446

		LOG IN DATE: / /	DATE	INIT.
		INSPECT & VERIFY:	8-24-99	RW
OP. #		OP. NAME		
550		DIS-ASSEMBLE GUN	8-24-99	RW
560	A	RE-BARREL AT CUSTOM SHOP		
	B	DRILL & TAP		
	C	POLISH		
575		ASSEMBLE		
600		PROOF	10-20-99	RW
605		CHECK HEADSPACE	10-20-99	RW
610		DIS-ASSEMBLE		
612		MAGNAFLUX	10-21-99	RW
615		ROLLMARK CALIBER		
618		ROTO-BLAST		
620		APPLY COATINGS		
625	A	FINAL ASSEMBLY	11-18-99	RW
	B	TRIGGER PULL TEST		
	C	SAFETY ON FORCE		
	D	SAFETY OFF FORCE		
	E	FIRING PIN INDENT		
640		TARGET	11-23-99	RW
655		FINAL INSPECT	12-7-99	RW
660		PACK		
		QAR INSPECTION	SHIP DATE	

Final Inspection

Sn: C6225446	Date Rec'd: 8-20-99	Date Ret'd:

Auditor: RW

Item:

Barrel Assy.

- ✓ Barrel
- ✓ Receiver
- ✓ Front Sight Block
- ✓ Rear Sight Block
- ✓ Screws
- ✓ Finish

Item:

Stock Assy.

- ✓ Stock
- ✓ Sling Swivel Studs
- ✓ Adjustable Butt Plate
- ✓ Lock Nuts
- ✓ Barrel Clearance
- ✓ Color/Finish

Scope Assy.

- ___ Scope
- ___ Scope Rings
- ✓ Mounting Screws
- ✓ Mounting Base
- ✓ Screws
- ___ Finish
- ___ Looseness
- ___ Clarity

Systems Case

- ___ Scope Case
- ___ Iron Sights
- ___ Deployment Kit

Trigger

- ✓ Safety Operation
- ✓ Set
- ___

Misc.

- ___ DD-250
- ___ Bar Code
- ___ Packaging

Comments: _____

Remington Test Lab, Ilion, N.Y.

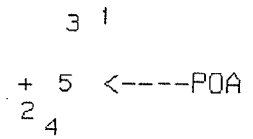
Centroidal distance calculations for Rifle # c6225446
6 Dec 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2604
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0768
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .271489

THE AMR FOR THIS RIFLE IS: 1.145

CENTROIDAL DISTANCES

0	TO	1	.706116
1	TO	2	.833838
1	TO	3	.227985
1	TO	4	.837437
1	TO	5	.53521

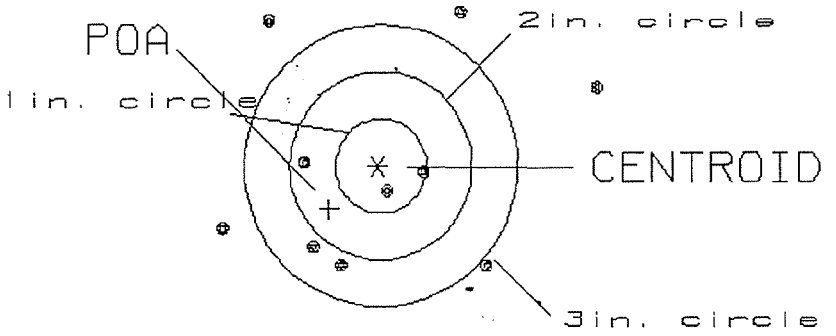


REMINGTON CENTERFIRE ACCURACY TEST REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: □ 1 □		
POA TO CENTROID:		.706
MIN RADIUS	:	.253
MEAN RADIUS	:	1.363
MAX RADIUS	:	2.521
CENTROID X	:	.534
CENTROID Y	:	.462

23 Nov 1999 FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225446

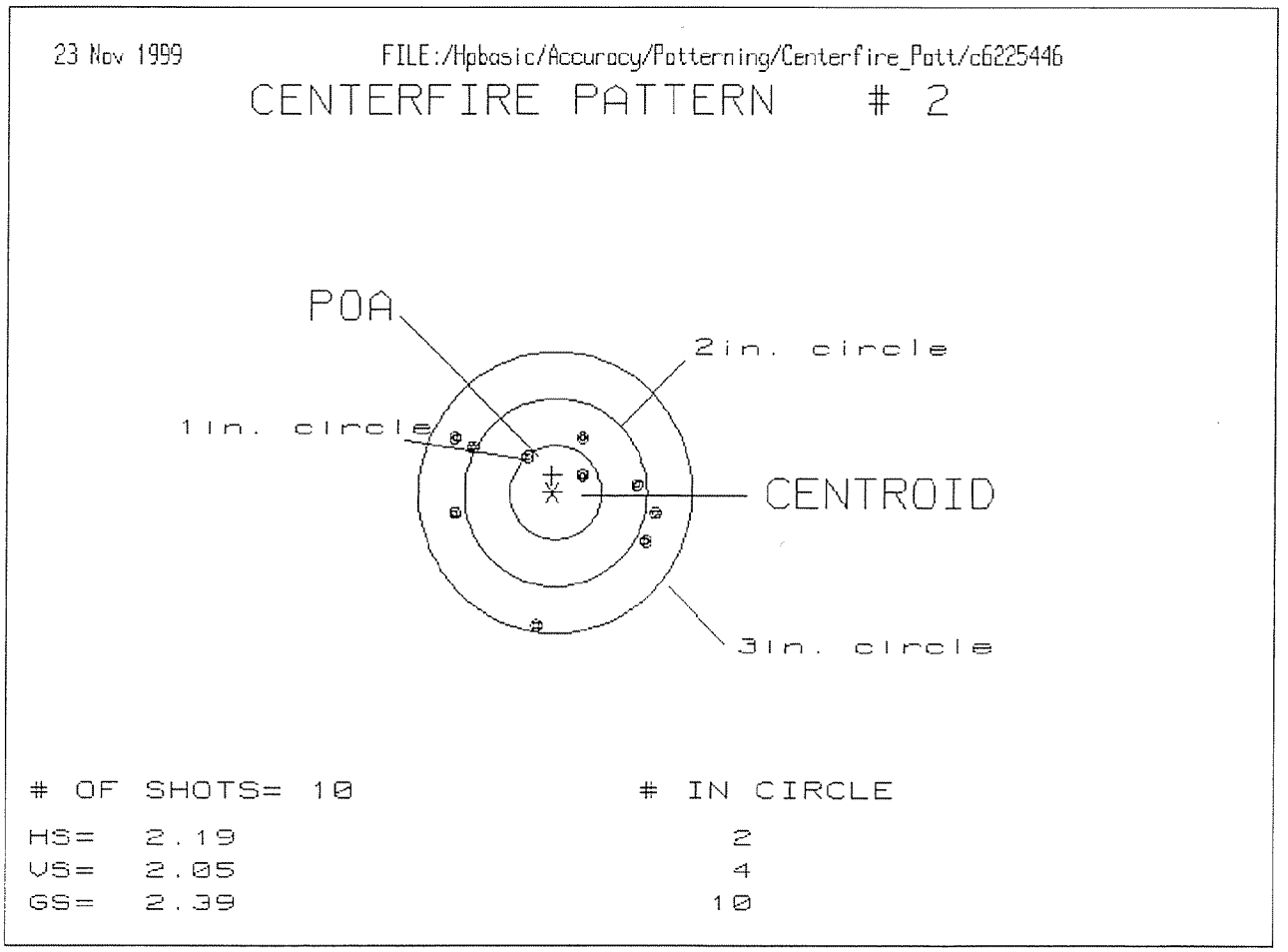
CENTERFIRE PATTERN # 1



# OF SHOTS= 10	# IN CIRCLE
HS= 4.07	2
VS= 2.76	3
GS= 4.35	5

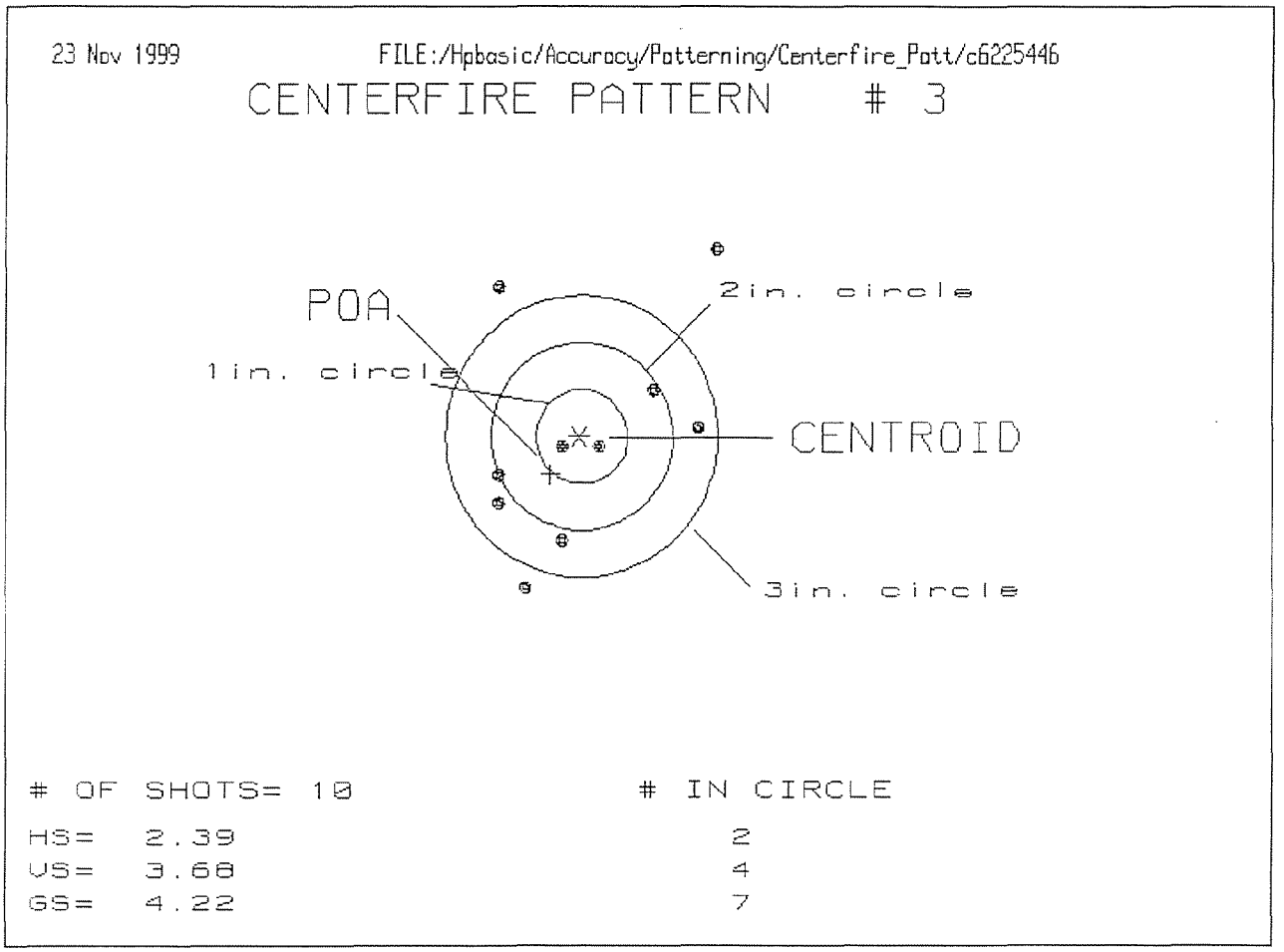
REMINGTON CENTERFIRE ACCURACY TEST REMINGTON TEST LAB, ILION, N.Y.

PATTERN #:	2
POA TO CENTROID:	.185
MIN RADIUS :	.381
MEAN RADIUS :	.946
MAX RADIUS :	1.445
CENTROID X :	.008
CENTROID Y :	-.185



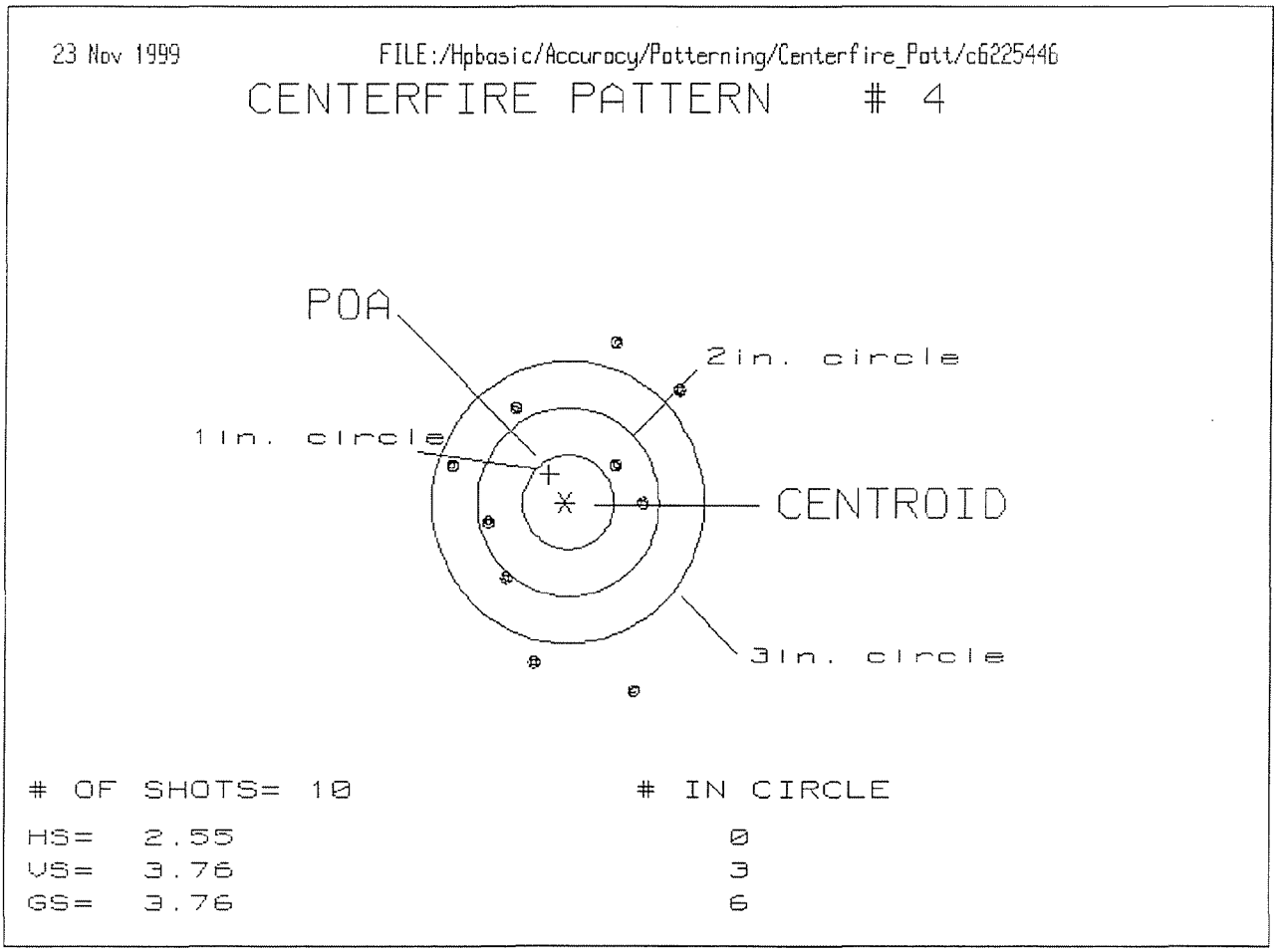
REMINGTON CENTERFIRE ACCURACY TEST REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: □ 3 □	
POA TO CENTROID:	.513
MIN RADIUS :	.231
MEAN RADIUS :	1.207
MAX RADIUS :	2.497
CENTROID X :	.313
CENTROID Y :	.406



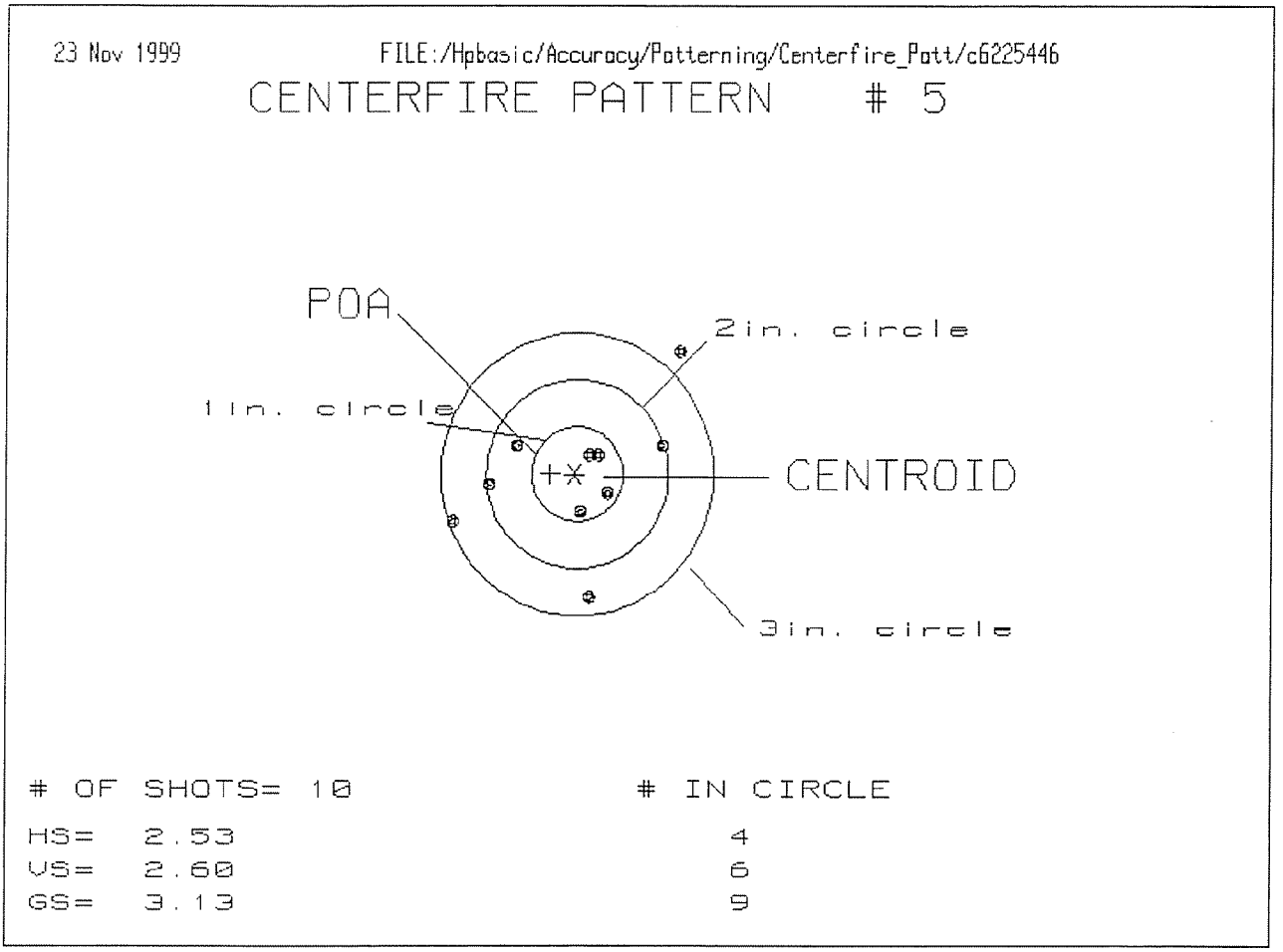
REMINGTON CENTERFIRE ACCURACY TEST REMINGTON TEST LAB, ILION, N.Y.

PATTERN #:		4
POA TO CENTROID:		.346
MIN RADIUS	:	.704
MEAN RADIUS	:	1.350
MAX RADIUS	:	2.150
CENTROID X	:	.178
CENTROID Y	:	-.296



REMINGTON CENTERFIRE ACCURACY TEST REMINGTON TEST LAB, ILION, N.Y.

PATTERN #:	5
POA TO CENTROID:	.269
MIN RADIUS :	.265
MEAN RADIUS :	.859
MAX RADIUS :	1.773
CENTROID X :	.269
CENTROID Y :	-.003



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. C6225446

ORDER NO. 5716

01

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

5716 C6225446

UPC

0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225446

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	1 25	89	RW
600	Proof	1 25	89	RW
607	Check Headspace	1 25	89	RW
610	Dis-assemble Gun	1 25	89	RW
612	Magnaflux Barrel Action		1.27.89	MC.
	Magnaflux Bolt		1-27-89	KCR
615	Rollmark Caliber		1-27-89	GS
617	Drill and Tap Sight Holes	2 1	89	FB
618	Polish Barrel	2 1	89	BT
620	Apply Coatings (Barrel Action)		2/10/89	JSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		3/30/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/30/89	RW
	C) Inspect Ejector Hole for Chamfer		3/30/89	RW
	D) Oil Firing Pin Ass'y		3/30/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		3/MAR/89	AS

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	5	5	5			3 April 89	JSB
	G) Safety Off Force	3	3	3			3 April 89	JSB
	H) Trigger Pull Test & Retainability						31 March 89	JSB
	I) Firing Pin Indent	.020	.020	.020			3 April 89	JSB
	J) Assemble Stock						4/3/89	RW
	K) Assemble Swivel Studs						12 April 89	JSB
	L) Attach Front and Rear Sight Assemblies						4/3/89	RW
	M) Iron Sight Alignment						4/3/89	RW
	N) Detach Front & Rear Sights & place in numbered container						4/3/89	RW
	O) Attach Scope to Rifle						4/5/89	JG
	P) Detach & Attach Scope 20 Times						4/5/89	JG
640	Gallery Target & Test						4-7-89	AC
	A) Time						"	AC
	B) Malfunctions			NONE			"	AC
	C) Pierced Primers			NONE			"	AC
	D) Optical Clearity of Scope			OK			"	AC
645	Inspect for Live Ammo			NONE			4-7-89	AC
655	Final Inspection A) Headspace						12 April 89	JSB
	B) Trigger Pull	2.51	2.38	2.47	2.40	2.52	12 April 89	JSB
	C) Function						12 April 89	JSB
660	Pack						14 June 89	JSB

SWS TRIGGER PULL TEST

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

SERIAL NO. C6225446
DATE 4-4-90
TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.38		2.56	MIN. SETTING,
PULL #2	2.38	2.40		2.35	NO AVG. OF 5
PULL #3	2.37	2.39		2.41	READINGS ACCEPT-
PULL #4	2.34	2.39		2.42	ABLE LESS THAN 2#
PULL #5	2.47	2.28		2.46	
TOTAL	11.91	11.84		12.20	
AVG.	2.382	2.368		2.44	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.56		
PULL #2	3.60	3.55		
PULL #3	3.56	3.56		
PULL #4	3.57	3.44		
PULL #5	3.52	3.39		
TOTAL	17.69	17.50		
AVG.	3.534	3.5		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.21		
PULL #2	4.27	4.17		
PULL #3	4.30	4.26		
PULL #4	4.24	4.23		
PULL #5	4.28	4.31		
TOTAL	21.35	21.18		
AVG.	4.27	4.236		

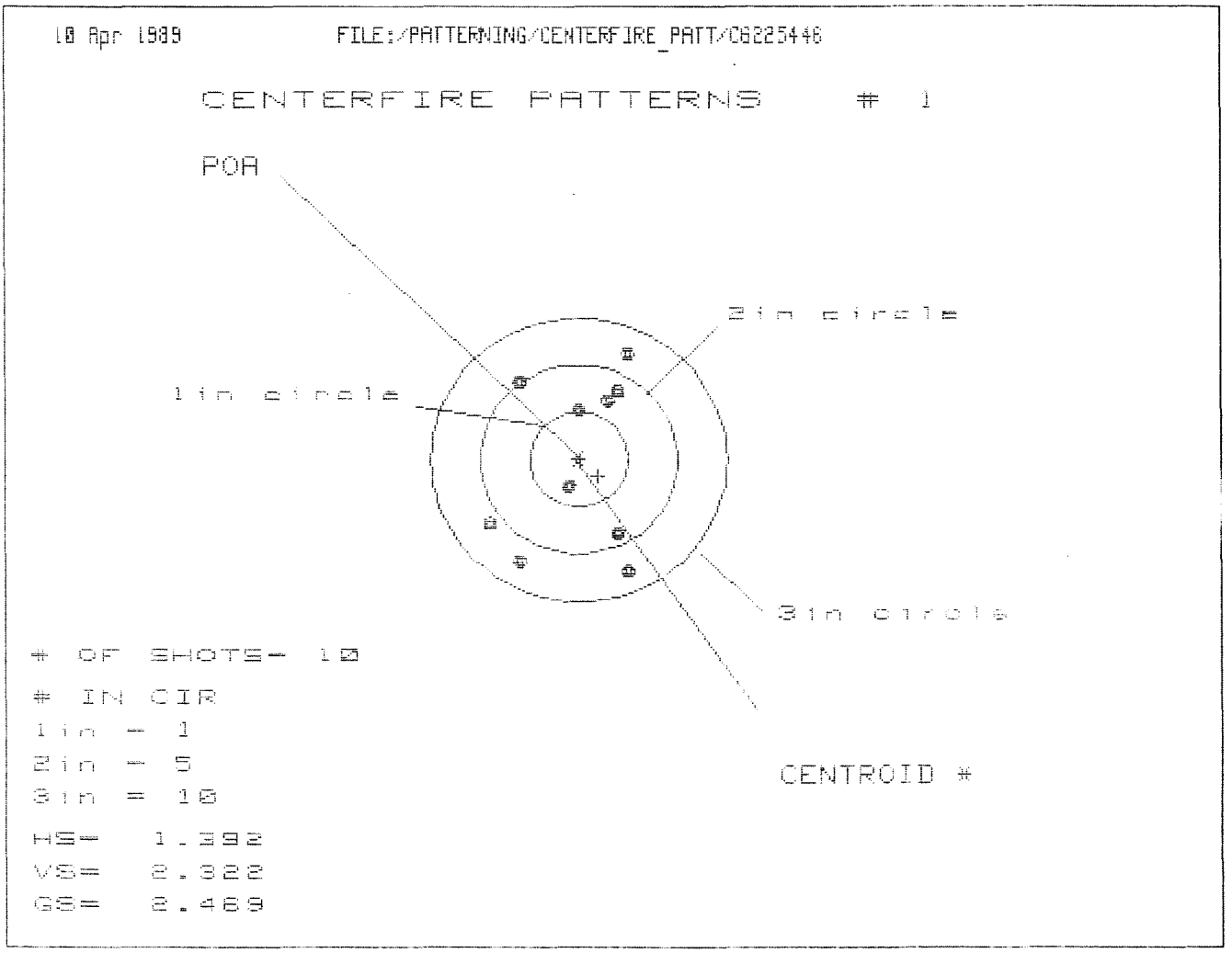
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225446
10 Apr 1989

CENTROIDAL DISTANCES

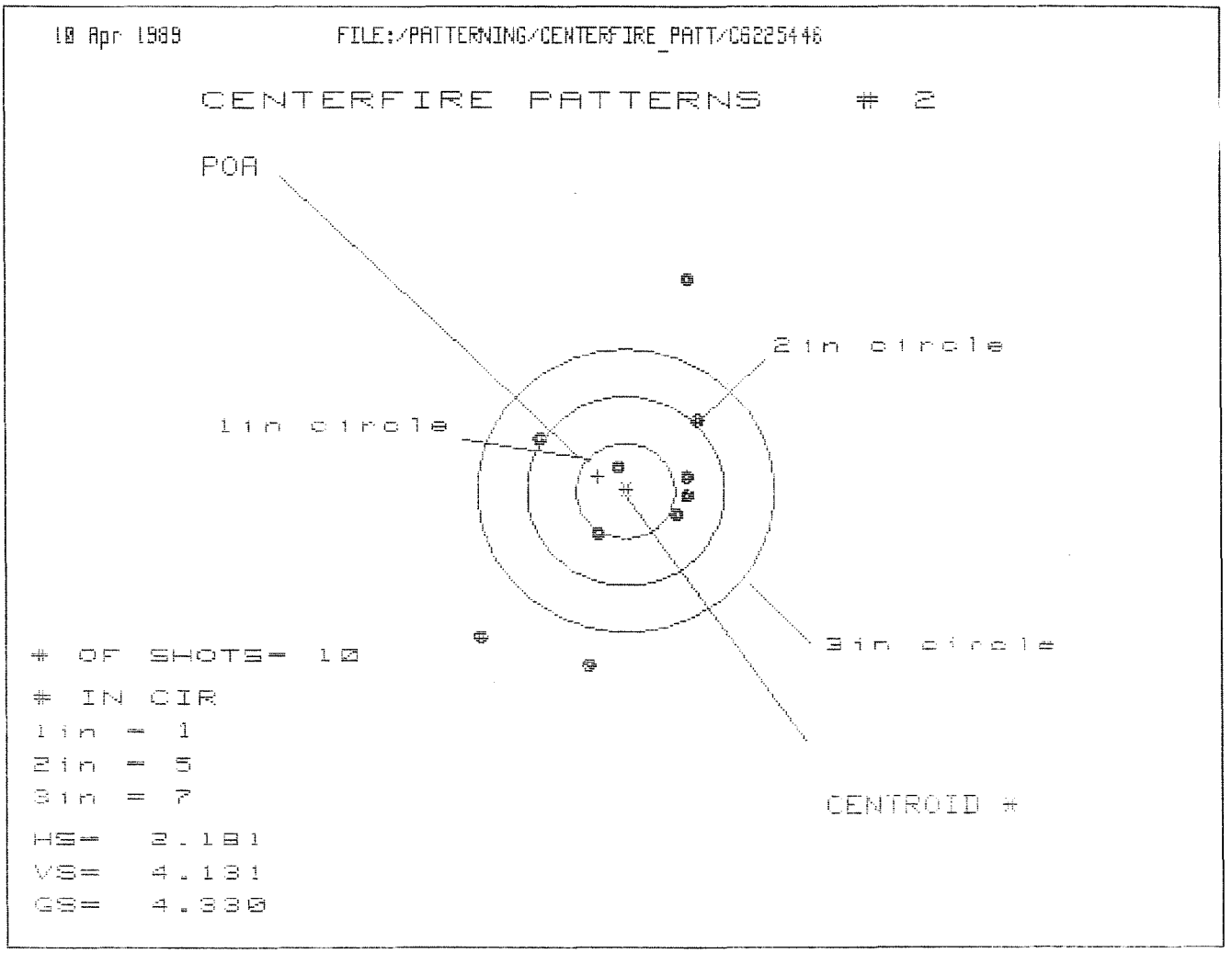
0	TO	1	.263424
1	TO	2	.578132
1	TO	3	.295203
1	TO	4	.495331
1	TO	5	.508497

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0564
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1328
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .14428

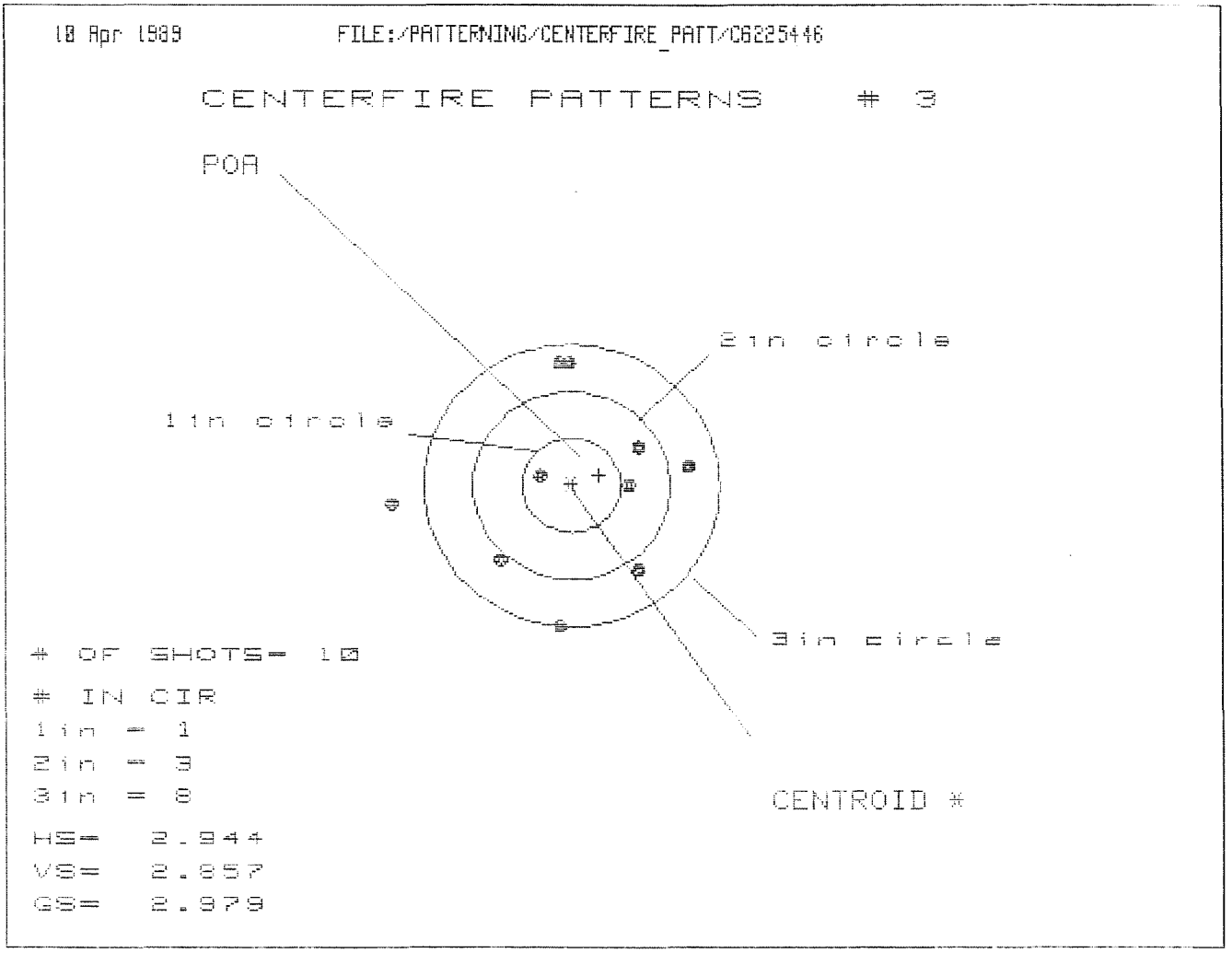
THE AMR FOR THIS RIFLE IS: 1.062



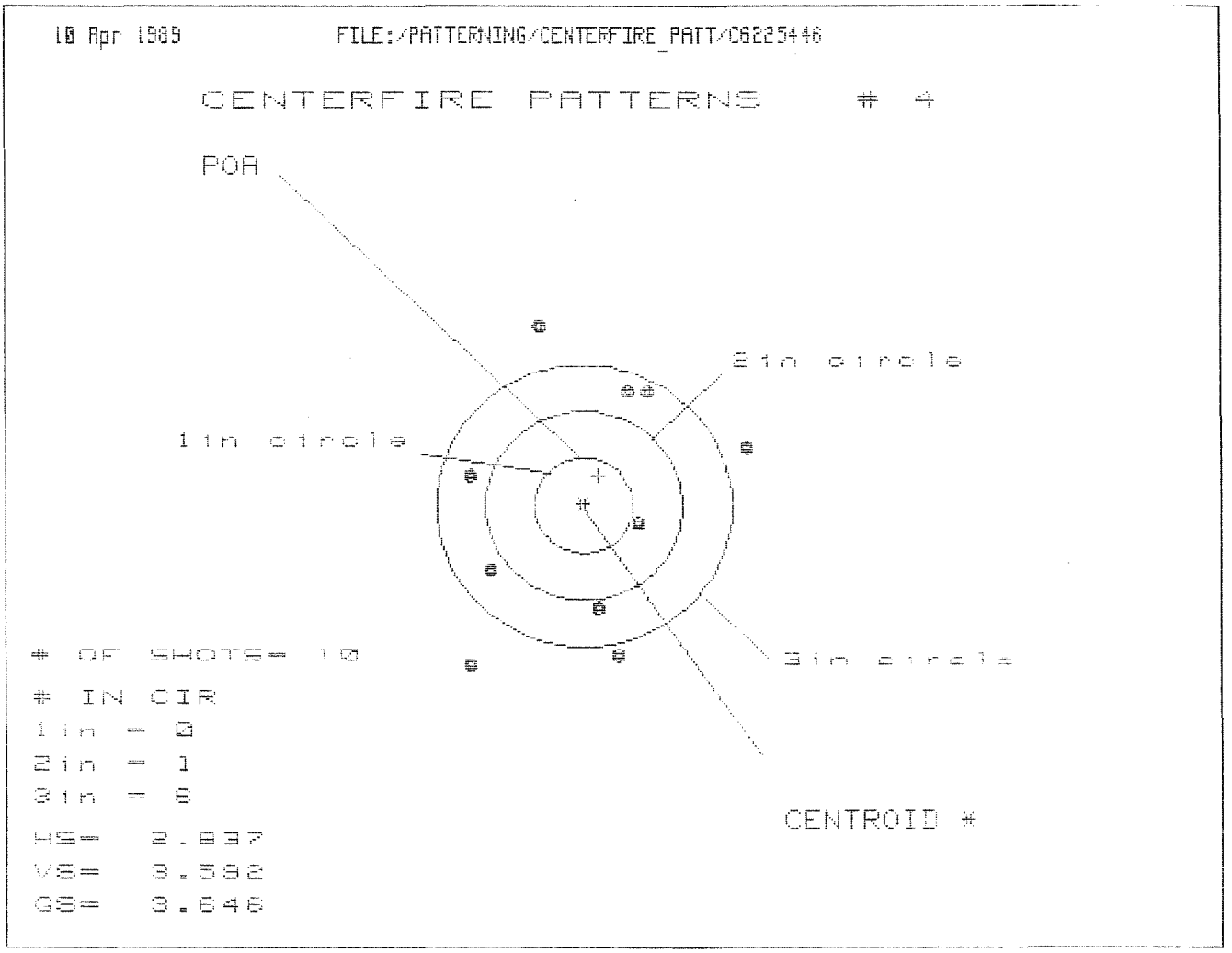
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.530	.585	.573
MINIMUM X	:	-.862	-.807	-.734
MAXIMUM Y	:	1.145	1.014	.946
MINIMUM Y	:	-1.177	-1.188	-1.061
CENTROID X	:	-.196	-.251	-.324
CENTROID Y	:	.176	.307	.180
POA TO CENTROID in.	:	.264	.397	.371
MIN RADIUS	:	.300	.414	.284
MEAN RADIUS	:	.911	.856	.818
MAX RADIUS	:	1.277	1.302	1.156
HORIZONTAL SPREAD	:	1.392	1.392	1.306
VERTICAL SPREAD	:	2.322	2.202	1.907
EXTREME SPREAD	:	2.469	2.469	2.036
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	



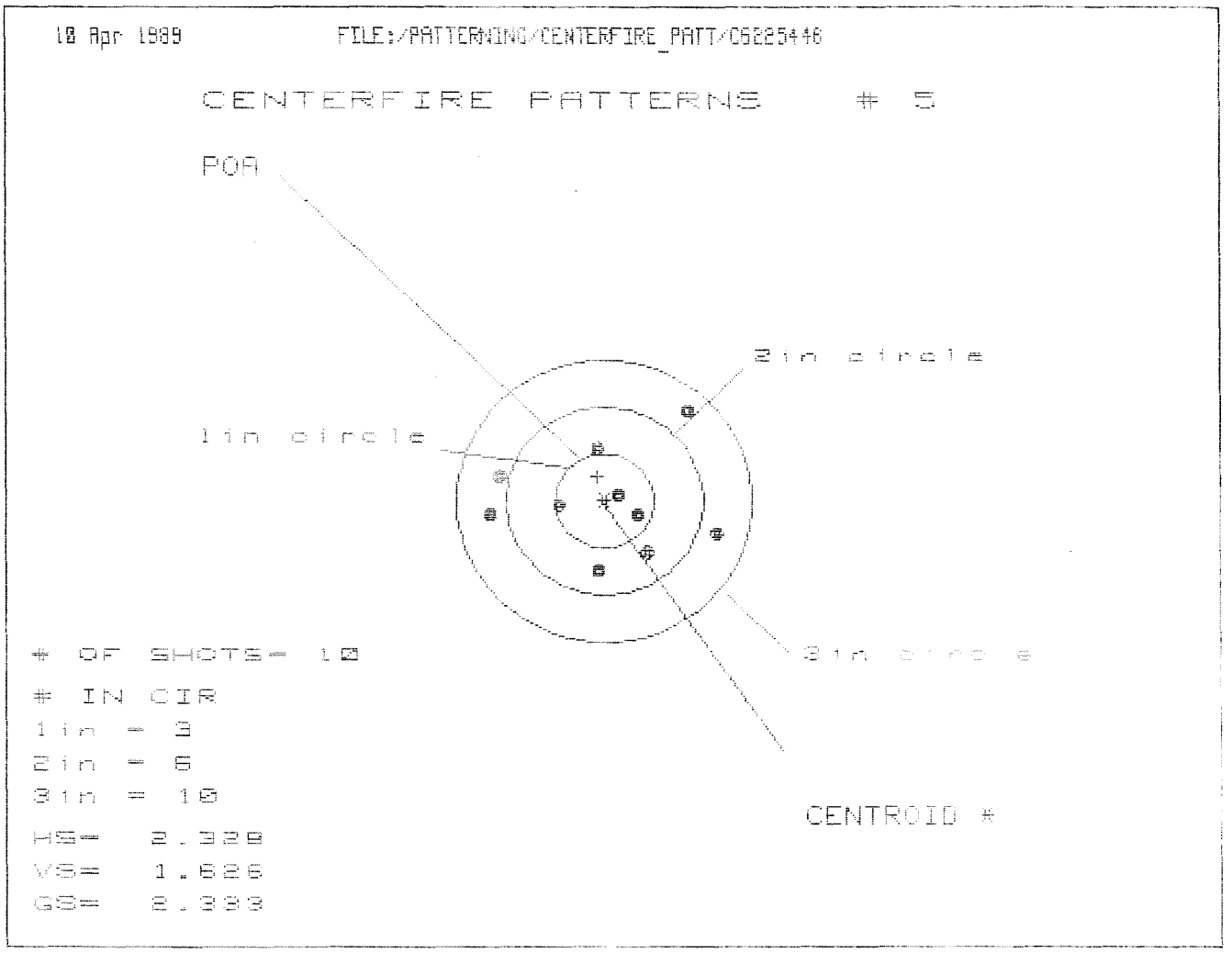
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.716	.786	.611
MINIMUM X	:	-1.465	-1.395	-1.029
MAXIMUM Y	:	2.294	.993	.838
MINIMUM Y	:	-1.837	-1.582	-1.737
CENTROID X	:	.278	.208	.383
CENTROID Y	:	-.155	-.410	-.255
POA TO CENTROID in.	:	.318	.460	.460
MIN RADIUS	:	.266	.324	.392
MEAN RADIUS	:	1.108	.987	.815
MAX RADIUS	:	2.379	1.867	1.791
HORIZONTAL SPREAD	:	2.181	2.181	1.640
VERTICAL SPREAD	:	4.131	2.575	2.575
EXTREME SPREAD	:	4.330	3.122	2.780
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.166	.969	.925
MINIMUM X	:	-1.777	-.944	-.988
MAXIMUM Y	:	1.349	1.323	1.131
MINIMUM Y	:	-1.508	-1.534	-1.110
CENTROID X	:	-.280	-.083	-.039
CENTROID Y	:	-.107	-.081	.111
POA TO CENTROID in.	:	.300	.116	.117
MIN RADIUS	:	.349	.407	.485
MEAN RADIUS	:	1.118	1.014	.923
MAX RADIUS	:	1.792	1.574	1.423
HORIZONTAL SPREAD	:	2.944	1.913	1.913
VERTICAL SPREAD	:	2.857	2.857	2.241
EXTREME SPREAD	:	2.979	2.859	2.378
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.661	1.536	1.457
MINIMUM X	:	-1.176	-1.301	-1.380
MAXIMUM Y	:	1.894	1.705	1.239
MINIMUM Y	:	-1.698	-1.791	-1.578
CENTROID X	:	-.148	-.023	.056
CENTROID Y	:	-.317	-.128	-.341
POA TO CENTROID in.	:	.349	.130	.346
MIN RADIUS	:	.551	.536	.353
MEAN RADIUS	:	1.407	1.322	1.235
MAX RADIUS	:	2.037	1.816	1.543
HORIZONTAL SPREAD	:	2.837	2.837	2.837
VERTICAL SPREAD	:	3.592	3.496	2.817
EXTREME SPREAD	:	3.646	3.605	2.928
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		1	
NUMBER IN THREE INCH CIRCLE	=		6	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.150	1.245	.736
MINIMUM X	:	-1.178	-1.083	-.927
MAXIMUM Y	:	.936	.690	.663
MINIMUM Y	:	-.690	-.585	-.611
CENTROID X	:	.064	-.031	-.187
CENTROID Y	:	-.261	-.366	-.340
POA TO CENTROID in.	:	.269	.367	.387
MIN RADIUS	:	.132	.273	.269
MEAN RADIUS	:	.766	.711	.640
MAX RADIUS	:	1.271	1.262	.932
HORIZONTAL SPREAD	:	2.328	2.328	1.663
VERTICAL SPREAD	:	1.626	1.275	1.275
EXTREME SPREAD	:	2.333	2.333	1.729
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	