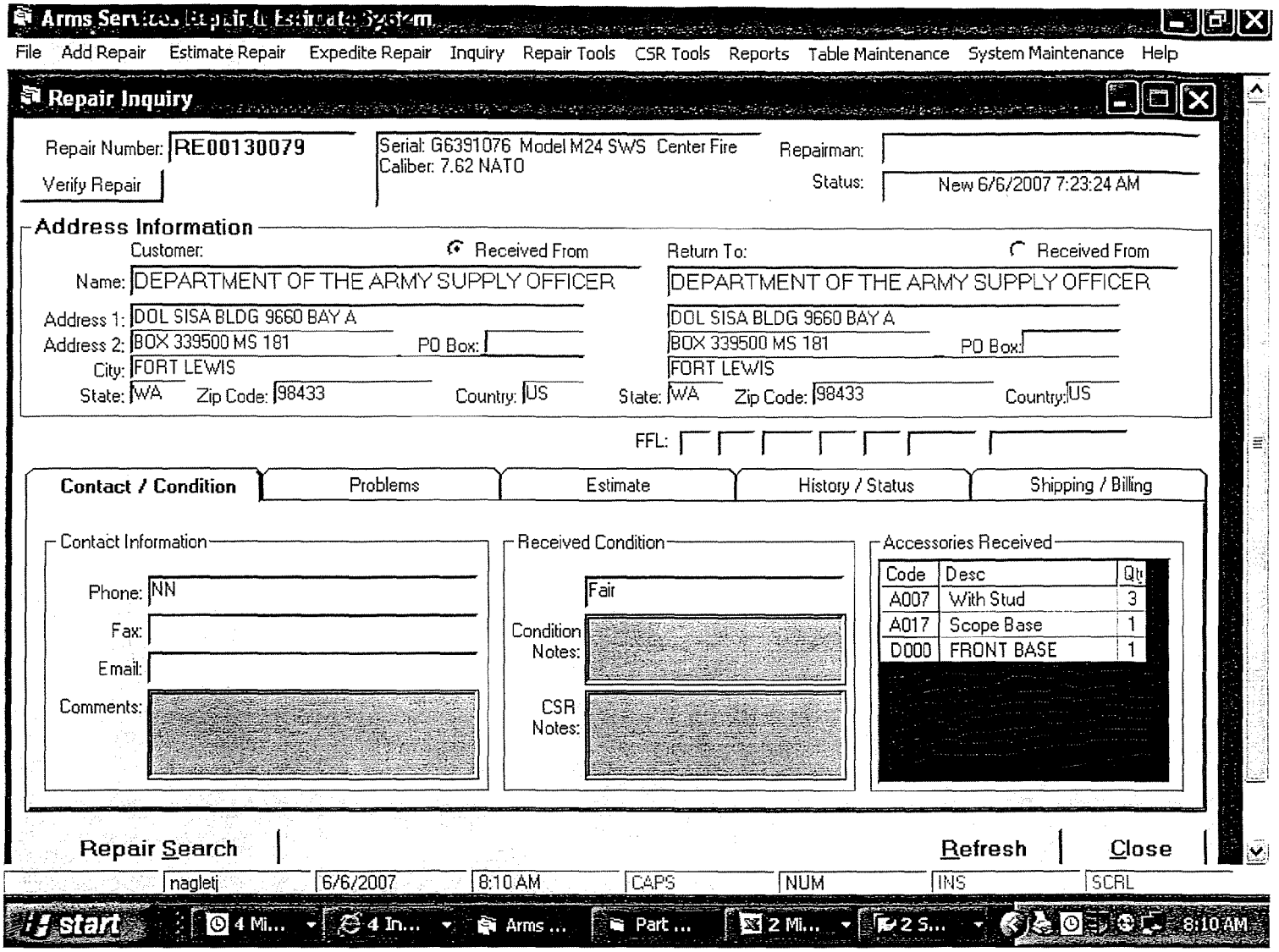
G 639 1076
Replace
C.C22 5426


Arms Service 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: RE00130079
Verify Repair
Serial: G6391076 Model M24 SWS Center Fire
Caliber: 7.62 NATO
Repairman:
Status: New 6/6/2007 7:23:24 AM
Address Information
Customer: Received From
Name: DEPARTMENT OF THE ARMY SUPPLY OFFICER
Address 1: DOL SISA BLDG 9660 BAY A
Address 2: BOX 339500 MS 181 PO Box:
City: FORT LEWIS
State: WA Zip Code: 98433 Country: US
Return To: Received From
DEPARTMENT OF THE ARMY SUPPLY OFFICER
DOL SISA BLDG 9660 BAY A
BOX 339500 MS 181 PO Box:
FORT LEWIS
State: WA Zip Code: 98433 Country: US
FFL:
Contact / Condition
Problems
Estimate
History / Status
Shipping / Billing
Contact Information
Phone: NN
Fax:
Email:
Comments:
Received Condition
Fair
Condition Notes:
CSR Notes:
Accessories Received
Code Desc Qty
A007 With Stud 3
A017 Scope Base 1
D000 FRONT BASE 1
Repair Search
Refresh
Close
nagletj 6/6/2007 8:10 AM CAPS NUM INS SCRL
start
4 Mi...
4 In...
Arms ...
Part ...
2 Mi...
2 S...
8:10 AM


Serial Number:
G6391076
Model: M24 SWS
RE00130079

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6391076.__0
FILE DATE AND TIME: 07/20/2007 23:05

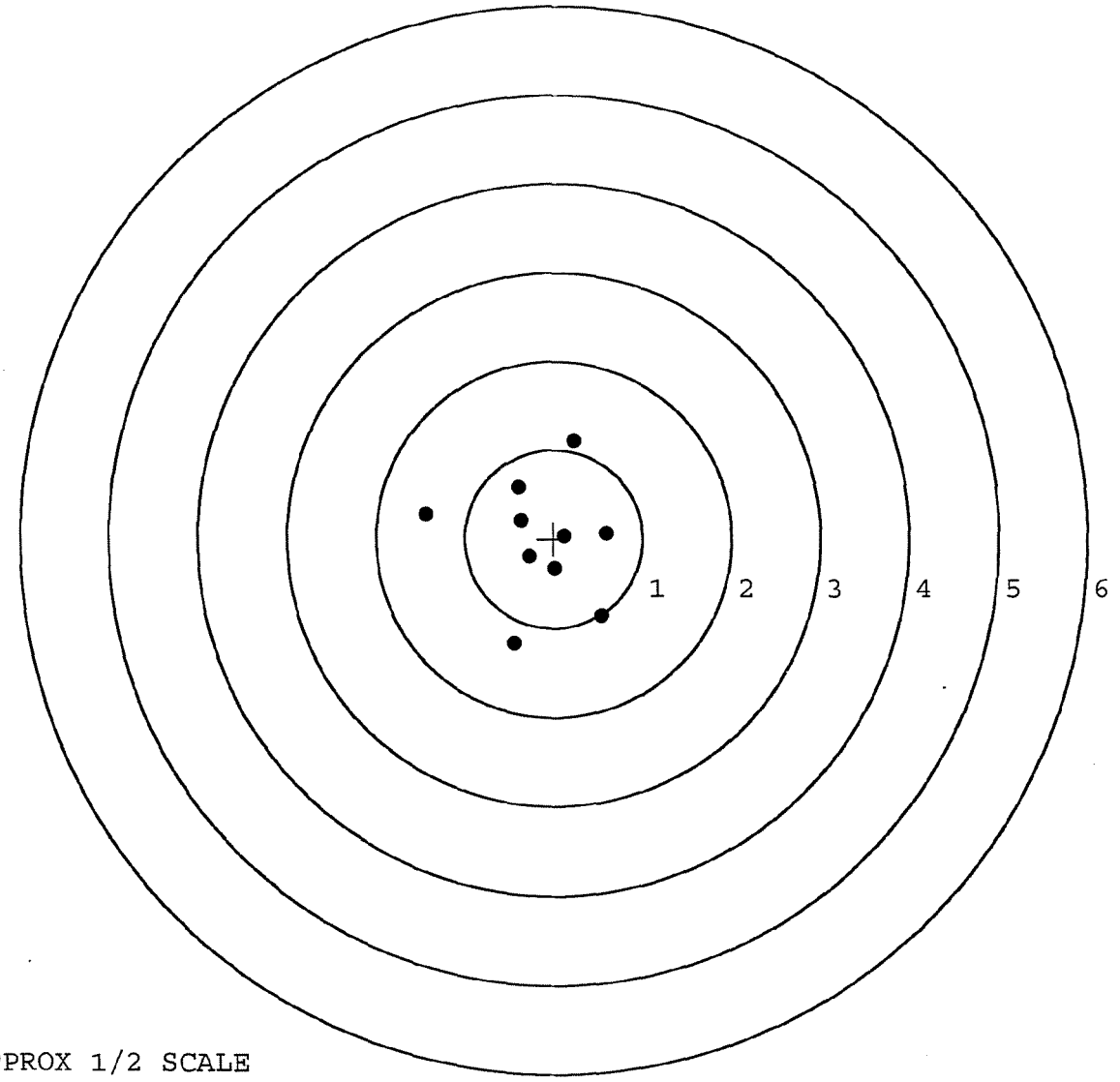
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.148
The Average Y Centroid of the Five Target Set:	-0.135
The Average Point of Impact of the Five Target Set:	0.200
The Average Mean Radius of the Five Target Set:	0.731
The Distance from POA to Centroid Target #1:	0.147
The Distance from Centroid Target #2 to Centroid Target #1:	0.208
The Distance from Centroid Target #3 to Centroid Target #1:	0.182
The Distance from Centroid Target #4 to Centroid Target #1:	0.036
The Distance from Centroid Target #5 to Centroid Target #1:	0.857

SERIAL NUMBER: G6391076.__0
TARGET NUMBER: 1
FILE DATE: 07/20/2007
FILE TIME: 23:05

X CENTROID:	-0.142
Y CENTROID:	-0.035
POA TO CENTROID:	0.147
HORZ SPREAD:	2.039
VERT SPREAD:	2.283
GROUP SPREAD:	2.289
MIN RADIUS:	0.218
MAX RADIUS:	1.335
MEAN RADIUS:	0.737
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.395	0.579
2:	-0.371	0.203
3:	-0.275	-0.208
4:	0.013	-0.341
5:	0.121	0.030
6:	0.596	0.060
7:	0.545	-0.866
8:	-0.445	-1.177
9:	-1.443	0.268
10:	0.229	1.106

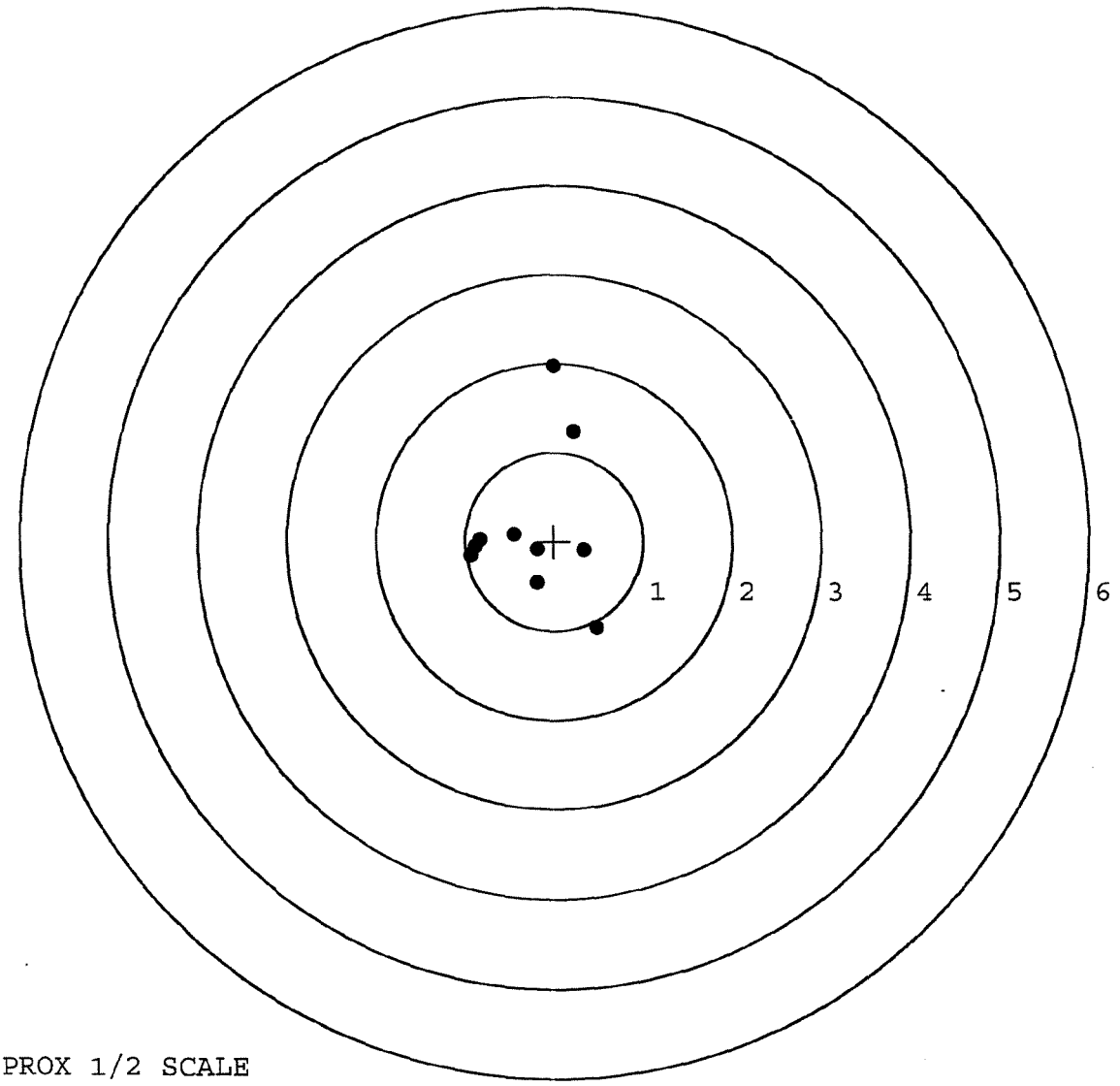


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391076.__0
TARGET NUMBER: 2
FILE DATE: 07/20/2007
FILE TIME: 23:05

X CENTROID:	-0.247
Y CENTROID:	0.144
POA TO CENTROID:	0.287
HORZ SPREAD:	1.419
VERT SPREAD:	2.937
GROUP SPREAD:	2.979
MIN RADIUS:	0.212
MAX RADIUS:	1.843
MEAN RADIUS:	0.809
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-0.939	-0.170
2:	-0.830	0.019
3:	-0.449	0.078
4:	-0.192	-0.088
5:	-0.192	-0.467
6:	0.339	-0.103
7:	0.480	-0.964
8:	0.216	1.238
9:	-0.018	1.973
10:	-0.890	-0.072

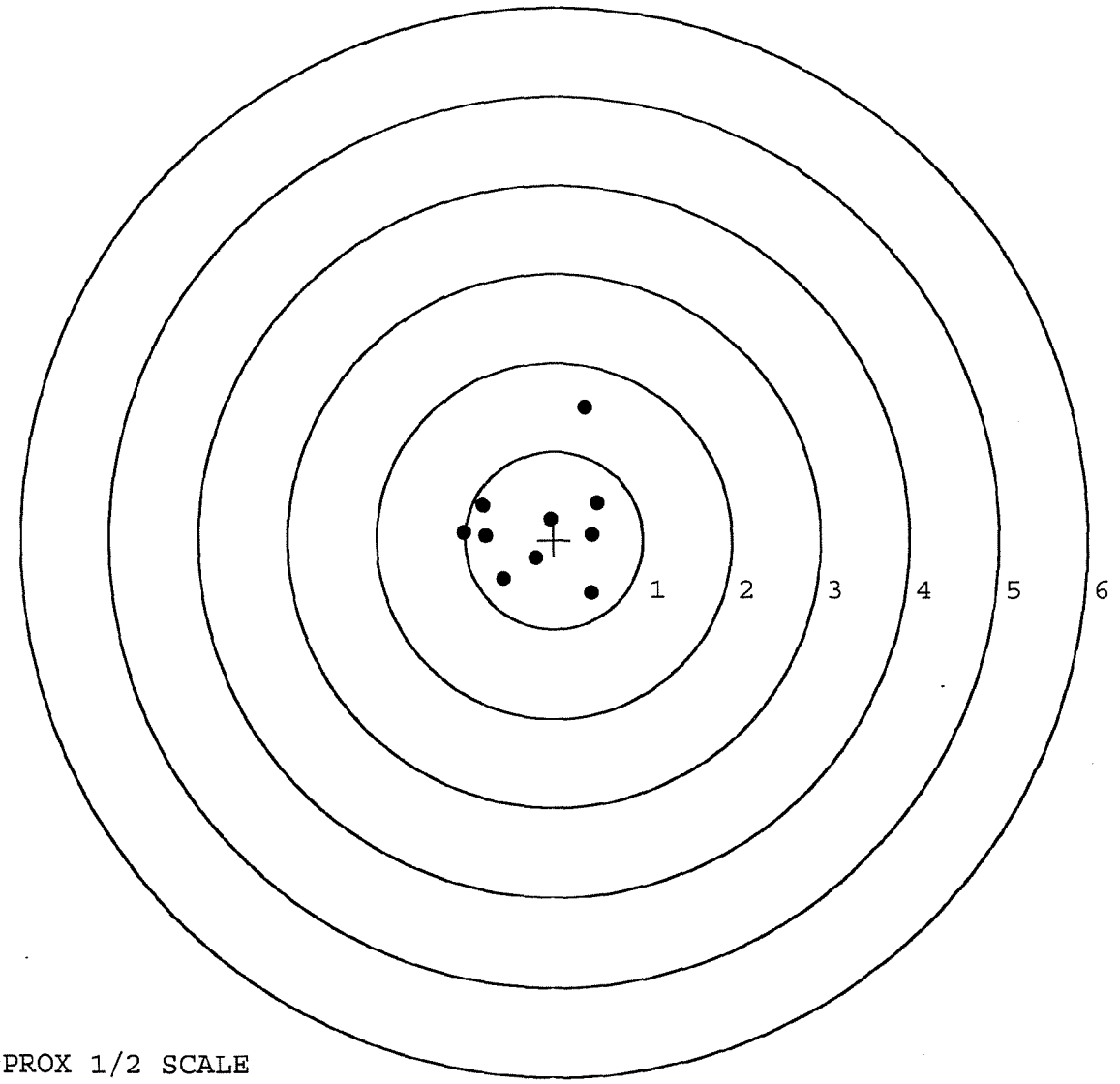


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391076.__0
TARGET NUMBER: 3
FILE DATE: 07/20/2007
FILE TIME: 23:05

X CENTROID:	-0.173
Y CENTROID:	0.145
POA TO CENTROID:	0.226
HORZ SPREAD:	1.498
VERT SPREAD:	2.097
GROUP SPREAD:	2.152
MIN RADIUS:	0.154
MAX RADIUS:	1.448
MEAN RADIUS:	0.707
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.803	0.381
2:	-1.017	0.079
3:	-0.769	0.044
4:	-0.567	-0.452
5:	-0.210	-0.209
6:	-0.046	0.231
7:	0.481	0.416
8:	0.427	0.064
9:	0.426	-0.600
10:	0.345	1.497

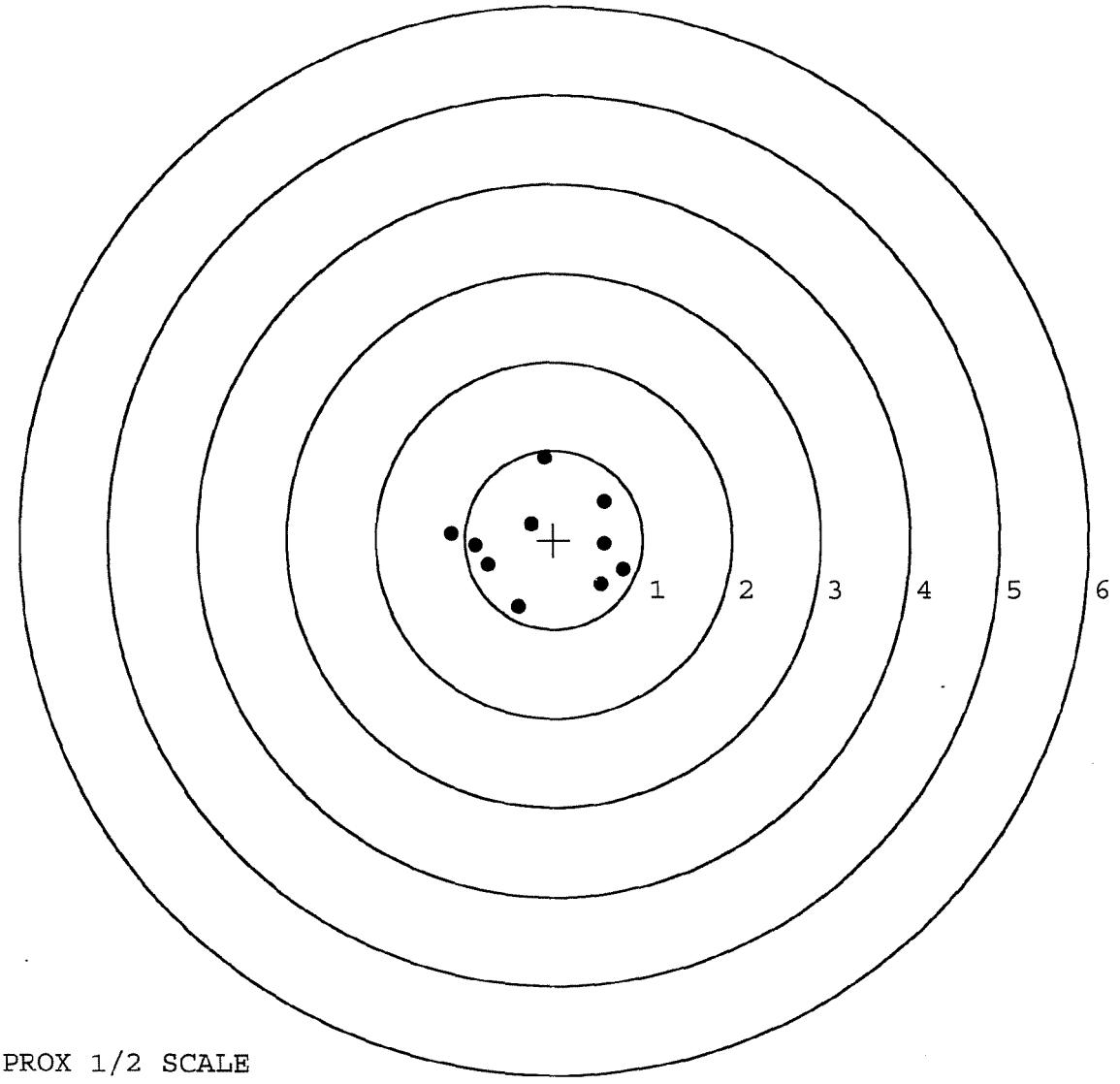


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391076.__0
TARGET NUMBER: 4
FILE DATE: 07/20/2007
FILE TIME: 23:05

X CENTROID:	-0.107
Y CENTROID:	-0.042
POA TO CENTROID:	0.115
HORZ SPREAD:	1.928
VERT SPREAD:	1.675
GROUP SPREAD:	1.970
MIN RADIUS:	0.258
MAX RADIUS:	1.047
MEAN RADIUS:	0.772
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-1.148	0.066
2:	-0.880	-0.069
3:	-0.744	-0.292
4:	-0.255	0.170
5:	-0.112	0.916
6:	0.573	0.430
7:	0.570	-0.042
8:	0.540	-0.498
9:	0.780	-0.339
10:	-0.394	-0.759

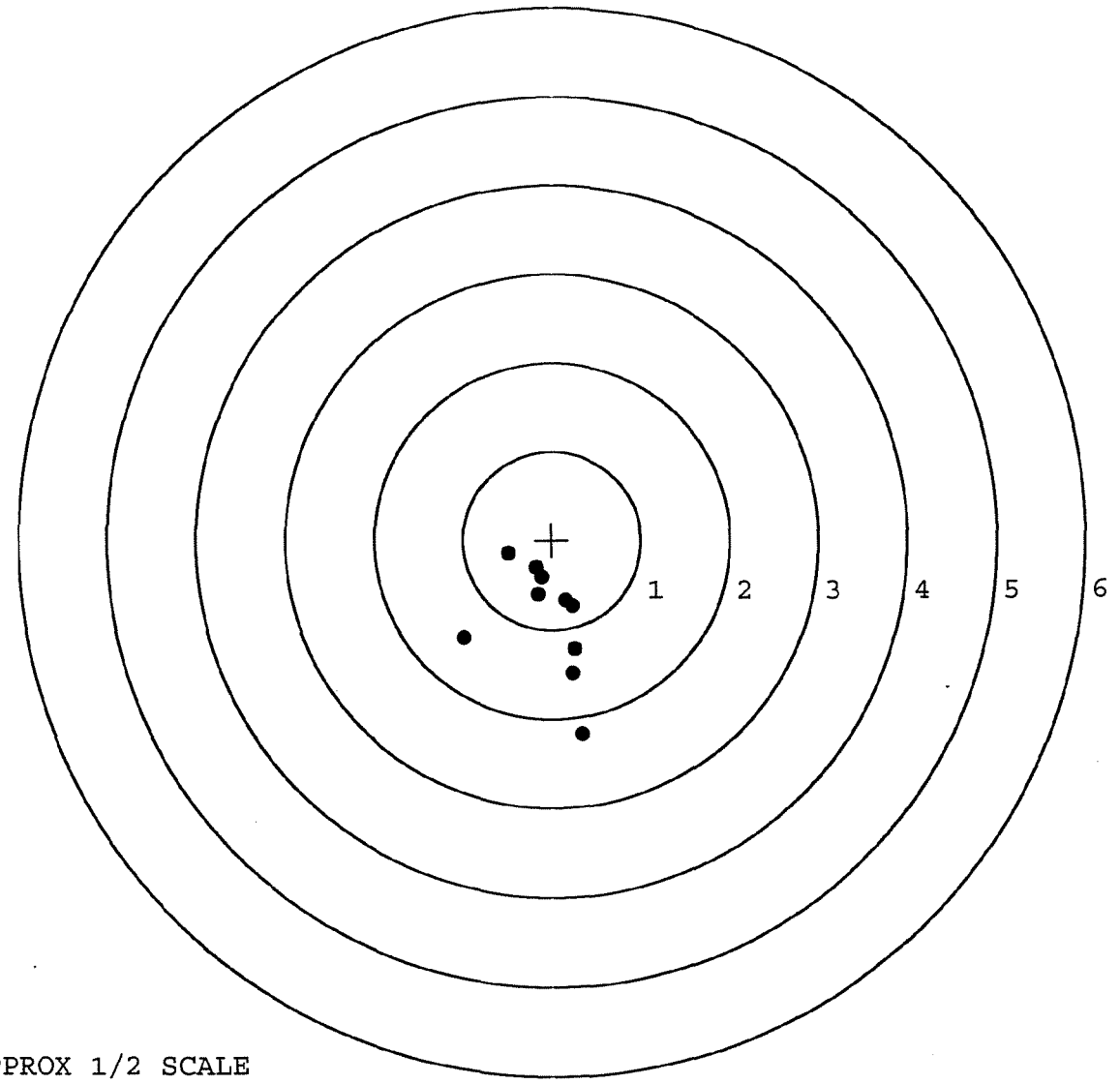


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391076.__0
TARGET NUMBER: 5
FILE DATE: 07/20/2007
FILE TIME: 23:05

X CENTROID:	-0.070
Y CENTROID:	-0.888
POA TO CENTROID:	0.891
HORZ SPREAD:	1.331
VERT SPREAD:	2.174
GROUP SPREAD:	2.189
MIN RADIUS:	0.294
MAX RADIUS:	1.350
MEAN RADIUS:	0.629
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.492	-0.150
2:	-0.179	-0.311
3:	-0.156	-0.607
4:	0.232	-0.739
5:	0.265	-1.218
6:	0.238	-1.490
7:	0.341	-2.174
8:	-0.990	-1.098
9:	-0.116	-0.418
10:	0.157	-0.678



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 00130079

SERIAL NUMBER G6391076

LOG-IN DATE 6-6-07

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		7-11-07	S.D.
505	RE-BARREL		7-13-07	RTC
560	ASSEMBLE		7-16-07	TRW
600	PROOF	MAGNA-FLUX	7-16-07	TRW
605	CHECK HEADSPACE		7-16-07	TRW
610	DIS-ASSEMBLE GUN		7-16-07	RTC
612	MAGNAFLUX	OPERATOR	7/17/07	
510	DRILL AND TAP		7-16-07	TRW
615	ROLLMARK CALIBER		7-16-07	CW
618	ROTO-BLAST		7-17-07	LB
620	APPLY COATINGS		7-18-07	CM
625	FINAL ASSEMBLY		7-20-07	RTC
640	FUNCTION TEST AND	PASS FAIL	7/20/07	
650	TARGET	PASS FAIL	7/20/07	
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	7-20-07	SD
670	FINAL INSPECTION		7-23-07	DA
	A) HEADSPACE	PASS FAIL	7-23-07	
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.87 2.89 2.91 2.89 2.91	7-23-07	DA
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	4.5 4.5 4.5	7-23-07	DA
	G) SAFETY OFF FORCE (2 LBS MIN)	2.0 2.0 2.0	7-23-07	DA
	I) FIRING PIN INDENT (.020)	.024 .024 .023	7-23-07	DA
690	PACK		7-25-07	DA

Army Service 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: RE00085925
Verify Repair

Serial: C6225426 Model M24 SWS Center Fire Caliber 7.62 NATO

Repairman:
Status: Closed 10/4/2004 10:53:34 AM

Address Information

Customer (Received From)		Return To: (Received From)	
Name:	TRANSPORTATION OFFICER		TRANSPORTATION OFFICER
Address 1:	SENSITIVE STORAGE		SENSITIVE STORAGE
Address 2:	BLDG 9660 PO Box:		BLDG 9660 PO Box:
City:	FORT LEWIS		FORT LEWIS
State:	WA Zip Code: 98433 Country: US	State:	WA Zip Code: 98433 Country: US

FFL:

Contact / Condition | Problems | Estimate | History / Status | Shipping / Billing

Contact Information

Phone: 253 967 5516
Fax:
Email:
Comments:

Received Condition

Fair
Condition Notes:
CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A017	Scope Bases	3

Repair Search | Refresh | Close

naglej 10/4/2004 11:25 AM CAPS NUM INS SCRL

Start 3 4

G6391076 (NMW)

Serial Number: C6225426

Model: M24 SWS

RE00085925

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6391076.__0
FILE DATE AND TIME: 11/09/2004 07:49

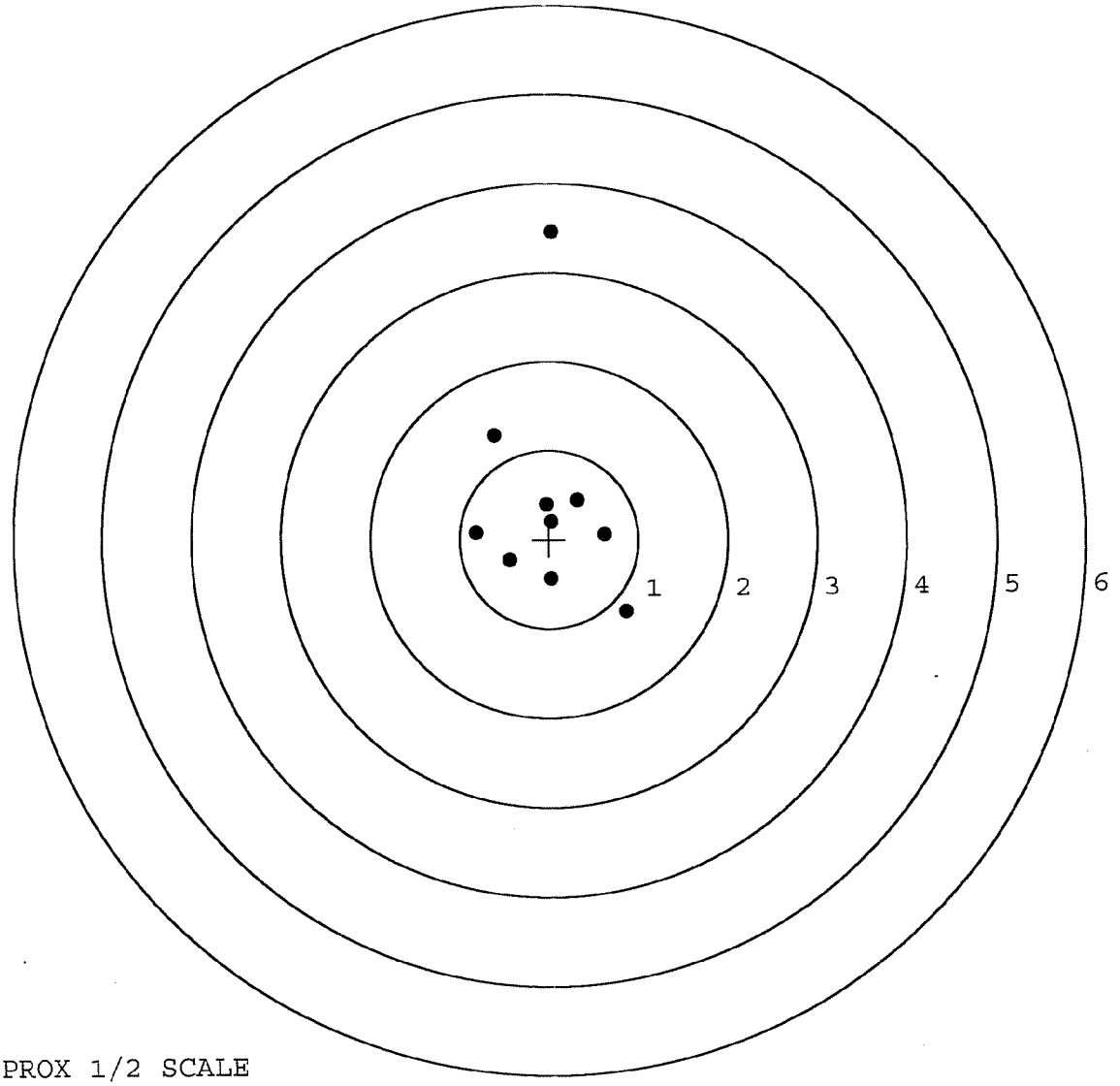
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.028
The Average Y Centroid of the Five Target Set:	0.099
The Average Point of Impact of the Five Target Set:	0.103
The Average Mean Radius of the Five Target Set:	0.919
The Distance from POA to Centroid Target #1:	0.433
The Distance from Centroid Target #2 to Centroid Target #1:	0.446
The Distance from Centroid Target #3 to Centroid Target #1:	0.499
The Distance from Centroid Target #4 to Centroid Target #1:	0.305
The Distance from Centroid Target #5 to Centroid Target #1:	0.477

SERIAL NUMBER: G6391076.__0
TARGET NUMBER: 1
FILE DATE: 11/09/2004
FILE TIME: 07:49

X CENTROID:	0.003
Y CENTROID:	0.433
POA TO CENTROID:	0.433
HORZ SPREAD:	1.668
VERT SPREAD:	4.273
GROUP SPREAD:	4.345
MIN RADIUS:	0.047
MAX RADIUS:	3.025
MEAN RADIUS:	0.938
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	0.854	-0.816
2:	0.621	0.057
3:	0.024	-0.444
4:	-0.445	-0.230
5:	-0.814	0.084
6:	0.033	0.202
7:	-0.028	0.398
8:	0.321	0.446
9:	-0.601	1.173
10:	0.065	3.457

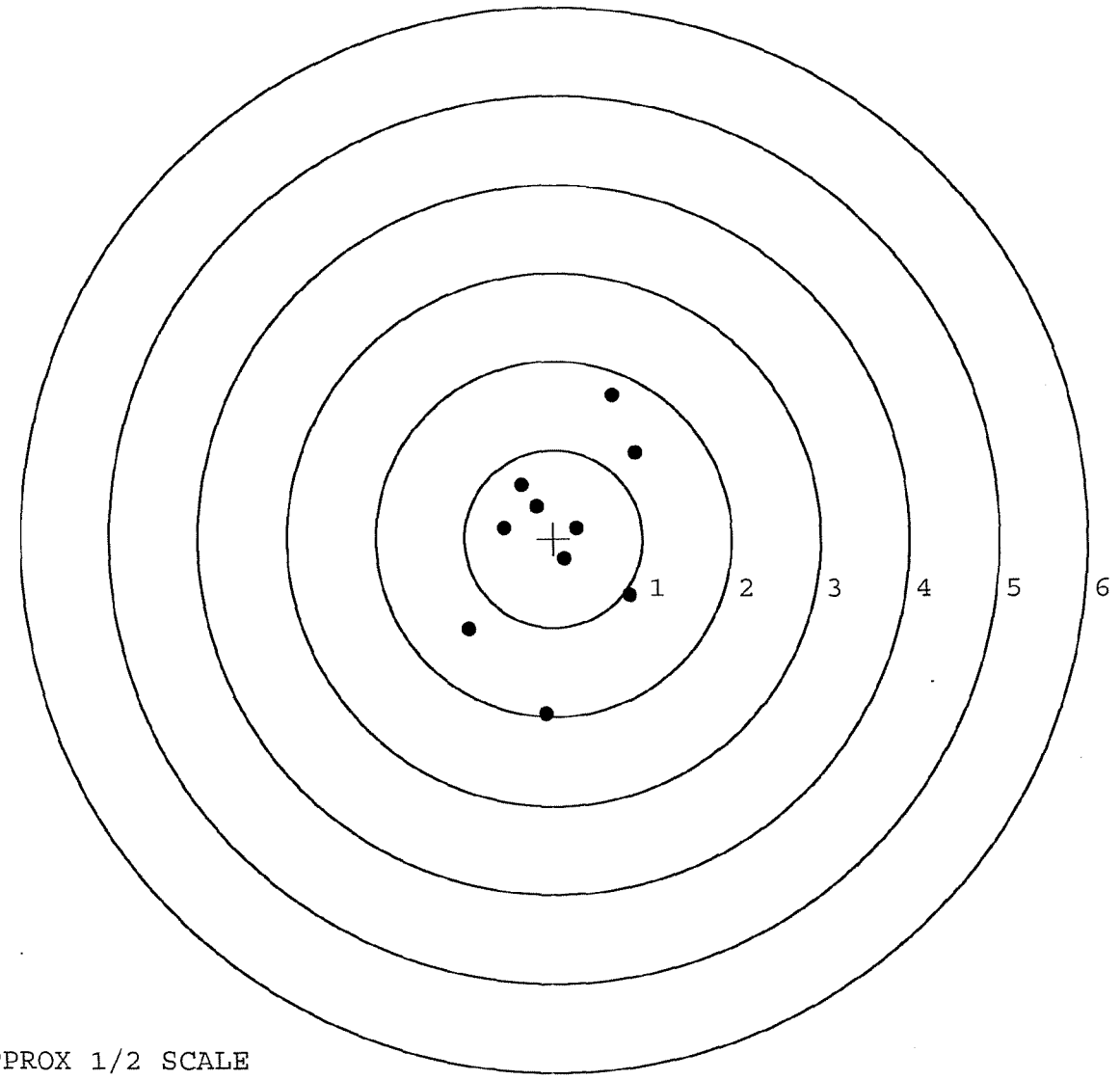


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391076.__0
TARGET NUMBER: 2
FILE DATE: 11/09/2004
FILE TIME: 07:49

X CENTROID:	0.068
Y CENTROID:	-0.009
POA TO CENTROID:	0.068
HORZ SPREAD:	1.865
VERT SPREAD:	3.597
GROUP SPREAD:	3.672
MIN RADIUS:	0.231
MAX RADIUS:	1.976
MEAN RADIUS:	0.976
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	5
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	-0.081	-1.979
2:	0.856	-0.638
3:	-0.947	-1.032
4:	0.918	0.979
5:	0.656	1.618
6:	0.266	0.117
7:	0.125	-0.233
8:	-0.554	0.115
9:	-0.194	0.359
10:	-0.366	0.606

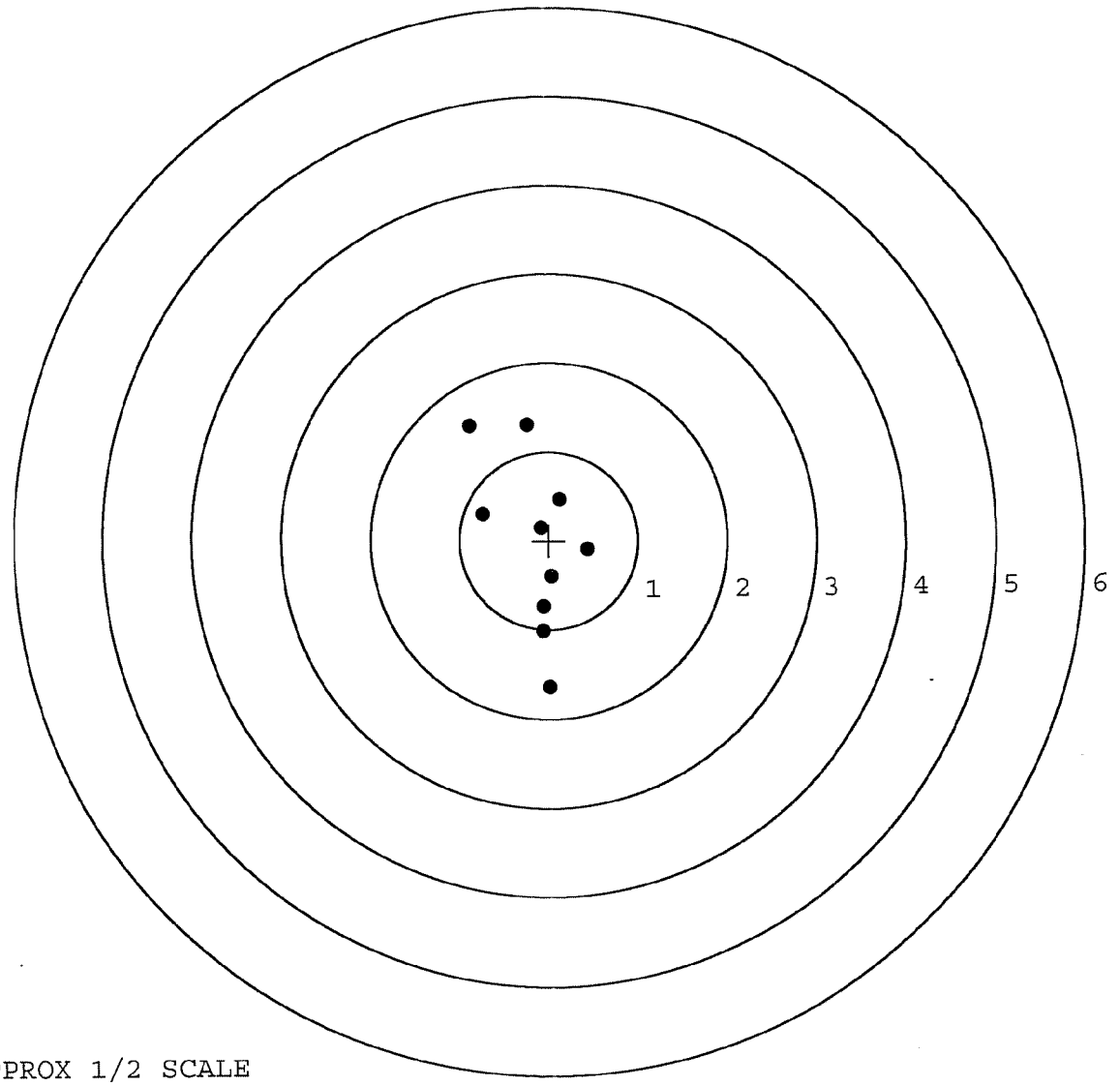


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391076.__0
TARGET NUMBER: 3
FILE DATE: 11/09/2004
FILE TIME: 07:49

X CENTROID:	-0.149
Y CENTROID:	-0.042
POA TO CENTROID:	0.155
HORZ SPREAD:	1.316
VERT SPREAD:	2.955
GROUP SPREAD:	3.075
MIN RADIUS:	0.198
MAX RADIUS:	1.613
MEAN RADIUS:	0.865
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	-0.878	1.299
2:	-0.237	1.306
3:	-0.737	0.301
4:	-0.089	0.146
5:	0.129	0.466
6:	0.438	-0.106
7:	0.028	-0.411
8:	-0.070	-0.751
9:	-0.075	-1.024
10:	-0.002	-1.649

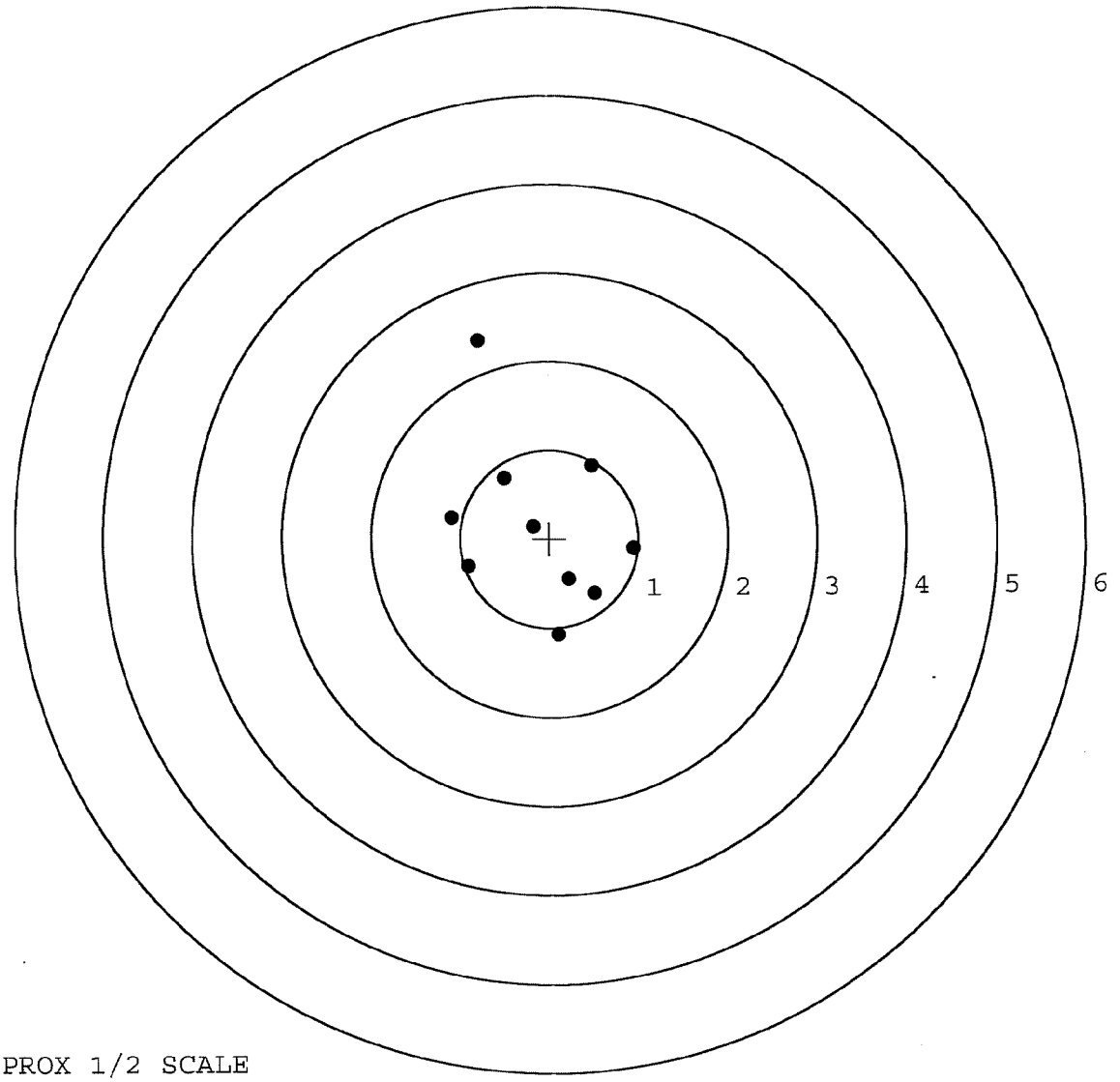


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391076.__0
TARGET NUMBER: 4
FILE DATE: 11/09/2004
FILE TIME: 07:49

X CENTROID:	-0.123
Y CENTROID:	0.154
POA TO CENTROID:	0.197
HORZ SPREAD:	2.043
VERT SPREAD:	3.312
GROUP SPREAD:	3.428
MIN RADIUS:	0.063
MAX RADIUS:	2.183
MEAN RADIUS:	0.973
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.946	-0.114
2:	0.503	-0.614
3:	0.219	-0.459
4:	0.098	-1.078
5:	0.484	0.821
6:	-0.184	0.138
7:	-0.502	0.681
8:	-0.907	-0.311
9:	-1.097	0.245
10:	-0.787	2.234

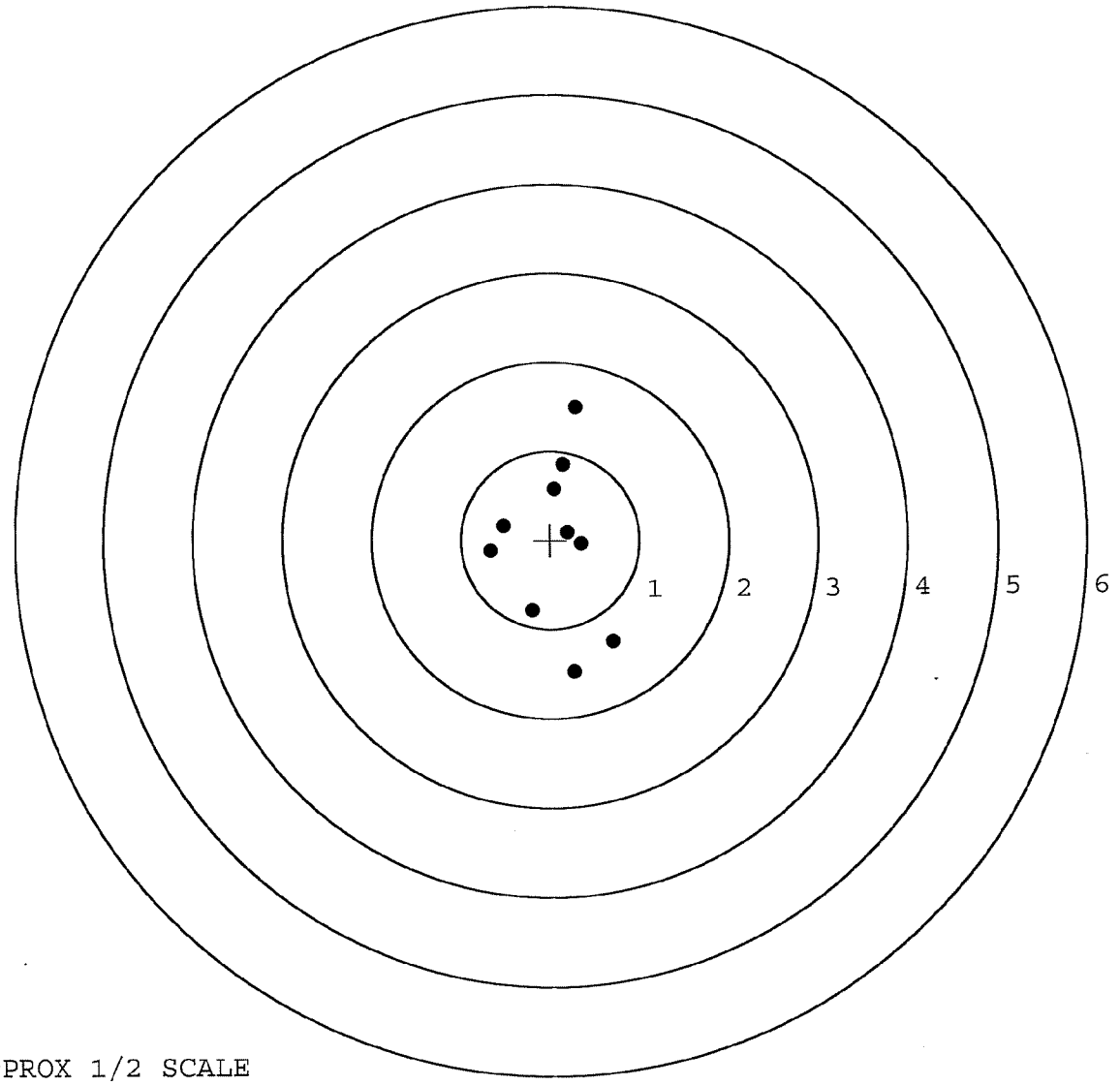


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391076.__0
TARGET NUMBER: 5
FILE DATE: 11/09/2004
FILE TIME: 07:49

X CENTROID:	0.060
Y CENTROID:	-0.041
POA TO CENTROID:	0.073
HORZ SPREAD:	1.371
VERT SPREAD:	2.971
GROUP SPREAD:	2.971
MIN RADIUS:	0.192
MAX RADIUS:	1.546
MEAN RADIUS:	0.843
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.700	-1.140
2:	0.263	-1.484
3:	-0.208	-0.799
4:	-0.671	-0.120
5:	-0.525	0.164
6:	0.347	-0.041
7:	0.200	0.090
8:	0.049	0.580
9:	0.152	0.850
10:	0.295	1.487



TARGET APPROX 1/2 SCALE

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

SERIAL # C6391076 INSPECTED BY: RTR

DATE REC'D: 10-4-04 DATE RET'D: 11-10-04

ITEM		ITEM	
BARREL ASSEMBLY		**STOCK ASSEMBLY**	
✓	BARREL	✓	STOCK
✓	RECEIVER	✓	SLING AWIVEL STUDS
✓	FRONT SIGHT BASE	✓	ADJUSTABLE
✓	REAR SIGHT BASE	✓	BUTT PLATE
✓	SCREWS	✓	LOCK NUTS
✓	FINISH	✓	BARREL CLEARANCE
		✓	COLOR / FINISH
SCOPE ASSEMBLY		**SYSTEMS CASE**	
	SCOPE		SCOPE CASE
	SCOPE RINGS		IRON SIGHTS
	MOUNTING SCREWS		DEPLOYMENT KIT
	MOUNTING BASE		
	SCREWS		
	FINISH	**TRIGGER ASSEMBLY**	
	CLARITY	✓	SAFETY OPERATION
		✓	RE-SET TO FACTORY SPECS

COMMENTS:

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

R & E NUMBER			
SERIAL NUMBER	C6225426	G6391076 (New)	
LOG-IN DATE	10-4-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-13-04	RTL
560 A	RE-BARREL	10-15-04	RTL
B	DRILL AND TAP	10-19-04	TRW
575	ASSEMBLE	10-15-04	RTL
600	PROOF	10-18-04	RTL
605	CHECK HEADSPACE	10-18-04	RTL
610	DIS-ASSEMBLE GUN	10-19-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10/20/04	KB
618	ROTO-BLAST	10-22-04	KB
620	APPLY COATINGS	10/26/04	KB
625 A	FINAL ASSEMBLY	10-3-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-9-04	TRW
655	FINAL INSPECT	11-10-04	RTL
660	PACK	11-10-04	NA
		SHIP DATE	
	QAR INSPECTION DATE		

Scope # 1053

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225426

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	9 12	9 8	FB
600	Proof	9 19	9 8	RW
607	Check Headspace	9 19	9 8	RW
610	Dis-assemble Gun	9 19	9 8	RW
612	Magnaflux Barrel Action		9/22/88	RJL
	Magnaflux Bolt		9/22/88	RJL
615	Rollmark Caliber		10/12	WC
617	Drill and Tap Sight Holes		10/12	FB
618	Polish Barrel		10/20	WT
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coating (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/4/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/4/88	RW
	C) Inspect Ejector Hole for Chamfer		11/4/88	RW
	D) Oil Firing Pin Ass'y		11/4/88	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/10/88	JH

QUALITY AUDIT

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	5	5	5			9NOV88	JSS
	G) Safety Off Force	3	3	3			9NOV88	JSS
	H) Trigger Pull Test & Retainability						9NOV88	JSS
	I) Firing Pin Indent	.021	.021	.021			9NOV88	JSS
	J) Assemble Stock						11/9/88	RW
	K) Assemble Swivel Studs						29NOV88	JSS
	L) Attach Front and Rear Sight Assemblies						11/9/88	RW
	M) Iron Sight Alignment						11/9/88	RW
	N) Detach Front & Rear Sights & place in numbered container						11/9/88	RW
	O) Attach Scope to Rifle						11/10/88	RW
	P) Detach & Attach Scope 20 Times						10NOV88	JSS
640	Gallery Target & Test	50 R	101 L				11/10/88	DH
	A) Time						11/10/88	
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clearity of Scope						11/10/88	DH
645	Inspect for Live Ammo						11/10/88	DH
655	Final Inspection A) Headspace						29NOV88	JSS
	B) Trigger Pull	2.67	2.57	2.60	2.61	2.63	29NOV88	JSS
	C) Function						29NOV88	JSS
660	Pack						14Dec88	JSS

0.2

SWS TRIGGER PULL TEST

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

SERIAL NO. C6225426

DATE 9/30/88

TESTER JCH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.26	2.47	2.67	MIN. SETTING,
PULL #2	2.36	2.29	2.41	2.59	NO AVG. OF 5
PULL #3	2.35	2.30	2.34	2.60	READINGS ACCEPT-
PULL #4	2.35	2.21	2.43	2.61	ABLE LESS THAN 2#
PULL #5	2.33	2.32	2.41	2.63	
TOTAL	11.65	11.38	12.06	13.08	
AVG.	2.33	2.276	2.412	2.616	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.10		
PULL #2	3.05	3.11		
PULL #3	3.10	3.07		
PULL #4	3.09	3.16		
PULL #5	3.11	3.15		
TOTAL	15.47	15.59		
AVG.	3.094	3.118		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.12		4.13
PULL #2	4.21	4.26		4.14
PULL #3	4.29	4.29		3.91
PULL #4	4.26	4.28		4.09
PULL #5	4.27	4.37		4.10
TOTAL	21.31	21.32		20.37
AVG.	4.262	4.264		4.074

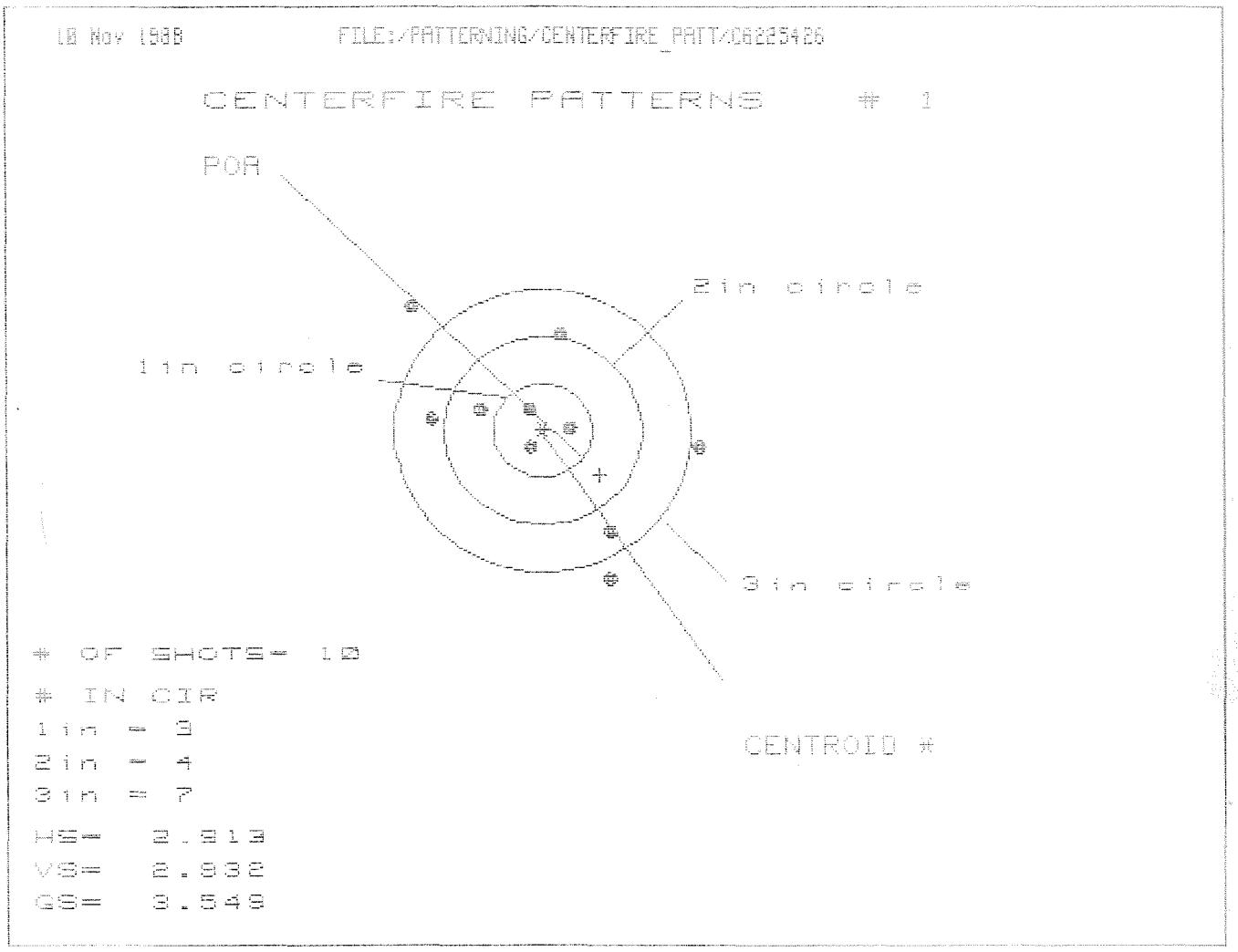
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225426

CENTROIDAL DISTANCES

0	TO	1	.742507
1	TO	2	.701231
1	TO	3	.572552
1	TO	4	.655001
1	TO	5	.157156

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.69526
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .7348
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.01159

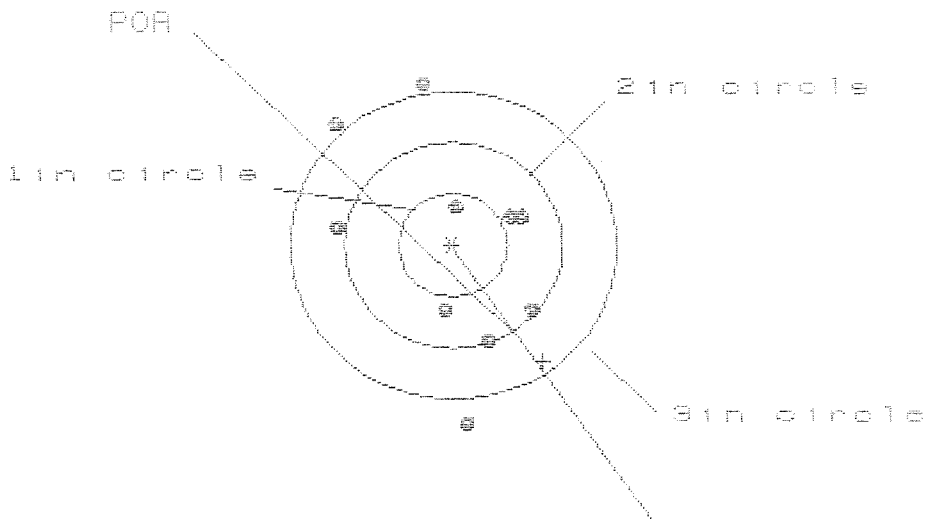
THE AMR FOR THIS RIFLE IS: .9462



PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.549	1.398	1.458
MINIMUM X	:	-1.364	-1.234	-1.174
MAXIMUM Y	:	1.319	1.168	.984
MINIMUM Y	:	-1.613	-1.466	-1.095
CENTROID X	:	-.574	-.423	-.483
CENTROID Y	:	.471	.324	.508
POA TO CENTROID in.	:	.743	.533	.701
MIN RADIUS	:	.225	.264	.284
MEAN RADIUS	:	1.013	.933	.816
MAX RADIUS	:	1.897	1.544	1.478
HORIZONTAL SPREAD	:	2.913	2.632	2.632
VERTICAL SPREAD	:	2.932	2.634	2.879
EXTREME SPREAD	:	3.549	2.677	2.657
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

10 Nov 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C0223426

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

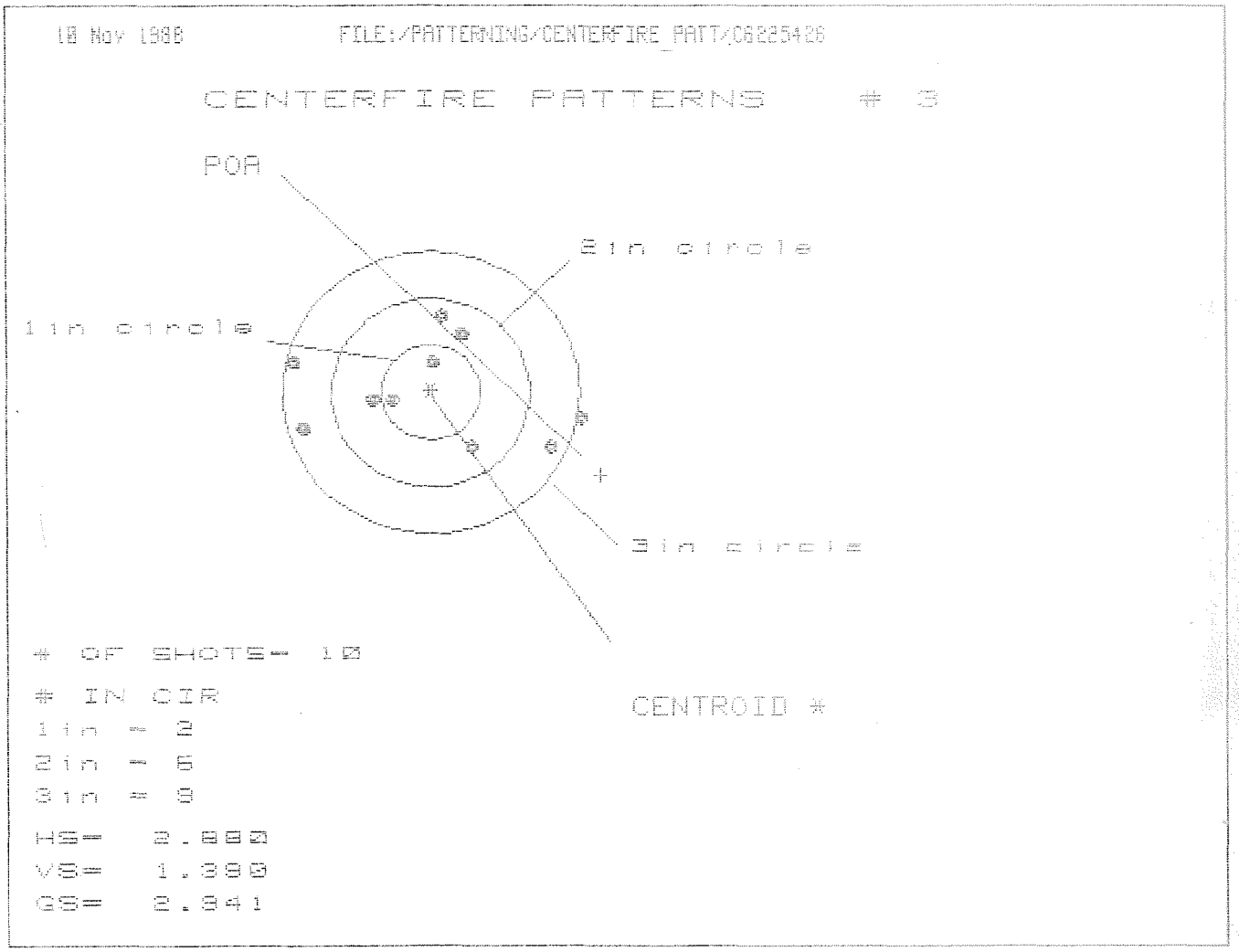
# IN CIR
1in = 1
2in = 6
3in = 7

HS= 1.843
VS= 3.348
GS= 3.376

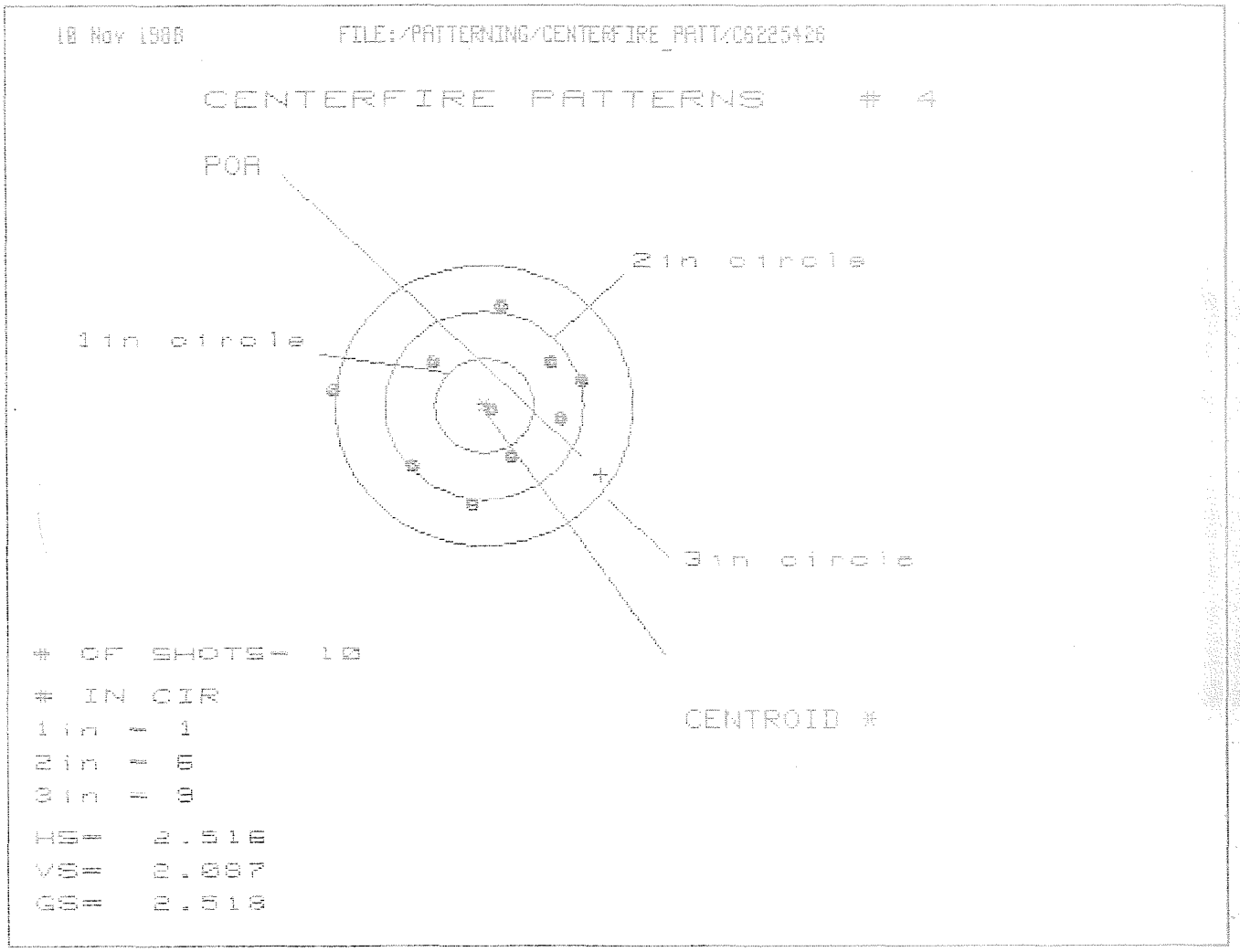
PATTERN # : 2

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.767	.786	.757
MINIMUM X	:	-1.076	-1.057	-1.086
MAXIMUM Y	:	1.597	1.402	1.164
MINIMUM Y	:	-1.751	-1.101	-.926
CENTROID X	:	-.827	-.846	-.817
CENTROID Y	:	1.125	1.320	1.145
POA TO CENTROID in.	:	1.396	1.568	1.406
MIN RADIUS	:	.397	.204	.377
MEAN RADIUS	:	1.038	.944	.873
MAX RADIUS	:	1.760	1.447	1.592
HORIZONTAL SPREAD	:	1.843	1.843	1.843
VERTICAL SPREAD	:	3.348	2.503	2.090
EXTREME SPREAD	:	3.376	2.577	2.557

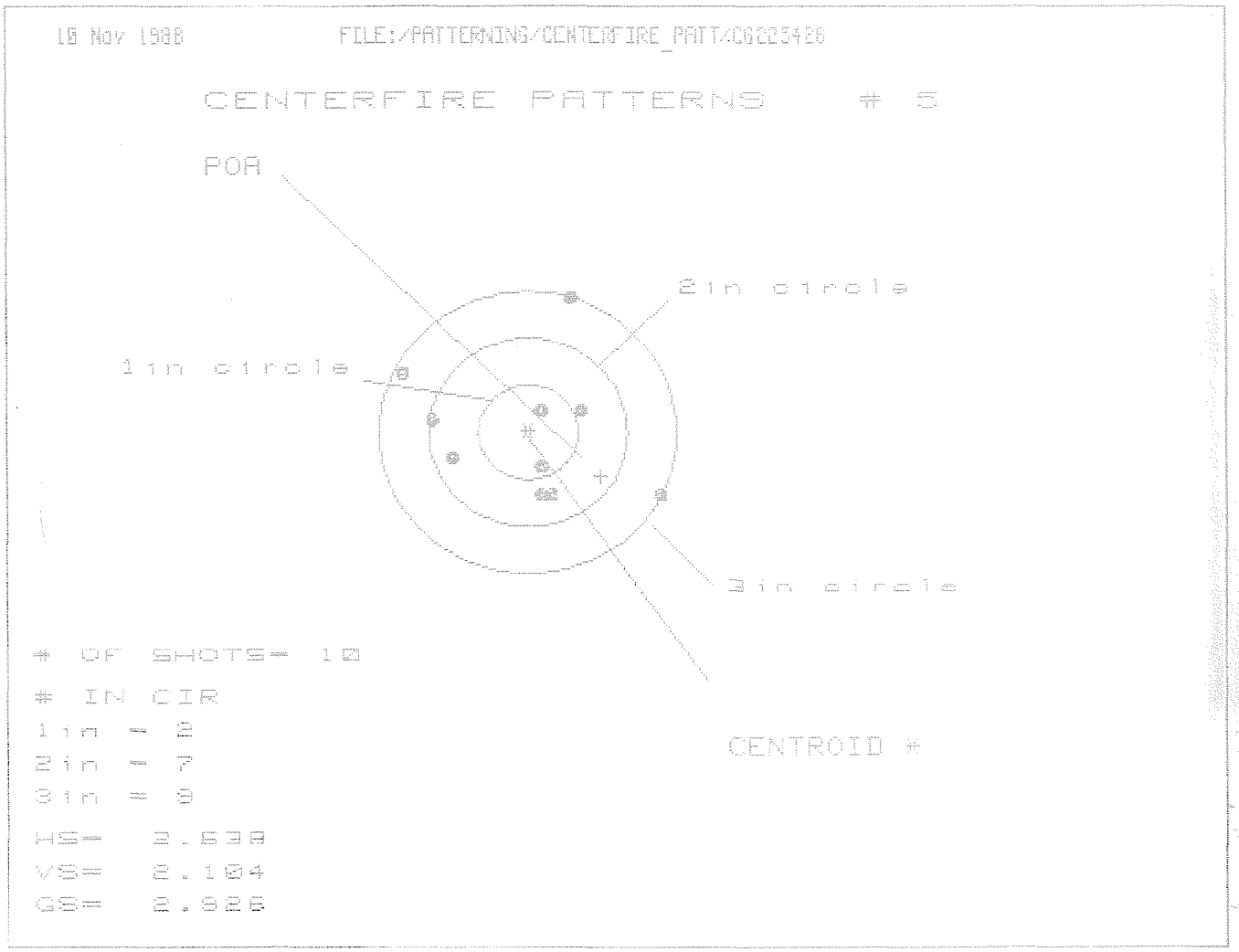
NUMBER IN ONE INCH CIRCLE = 1
NUMBER IN TWO INCH CIRCLE = 6
NUMBER IN THREE INCH CIRCLE = 7



PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.480	1.382	1.228
MINIMUM X	:	-1.400	-1.235	-1.248
MAXIMUM Y	:	.780	.748	.784
MINIMUM Y	:	-.610	-.642	-.606
CENTROID X	:	-1.713	-1.878	-1.724
CENTROID Y	:	.878	.910	.874
POA TO CENTROID in.	:	1.925	2.087	1.933
MIN RADIUS	:	.338	.263	.343
MEAN RADIUS	:	.924	.838	.787
MAX RADIUS	:	1.507	1.524	1.369
HORIZONTAL SPREAD	:	2.880	2.617	2.476
VERTICAL SPREAD	:	1.390	1.390	1.390
EXTREME SPREAD	:	2.941	2.775	2.490
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.965	.792	.795
MINIMUM X	:	-1.552	-.920	-.917
MAXIMUM Y	:	1.046	1.065	.634
MINIMUM Y	:	-1.041	-1.022	-.889
CENTROID X	:	-1.173	-1.000	-1.003
CENTROID Y	:	.736	.717	.584
POA TO CENTROID in.	:	1.384	1.231	1.161
MIN RADIUS	:	.071	.123	.157
MEAN RADIUS	:	.865	.769	.724
MAX RADIUS	:	1.561	1.112	1.040
HORIZONTAL SPREAD	:	2.516	1.712	1.712
VERTICAL SPREAD	:	2.087	2.087	1.523
EXTREME SPREAD	:	2.518	2.119	1.939
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.371	.705	.773
MINIMUM X	:	-1.267	-1.114	-1.046
MAXIMUM Y	:	1.436	1.364	.719
MINIMUM Y	:	-.668	-.740	-.569
CENTROID X	:	-.731	-.884	-.952
CENTROID Y	:	.464	.536	.365
POA TO CENTROID in.	:	.866	1.033	1.020
MIN RADIUS	:	.321	.370	.479
MEAN RADIUS	:	.891	.831	.729
MAX RADIUS	:	1.516	1.469	1.269
HORIZONTAL SPREAD	:	2.638	1.819	1.819
VERTICAL SPREAD	:	2.104	2.104	1.288
EXTREME SPREAD	:	2.926	2.112	1.982
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

BARBER M24-0148288

...IC AND ESTIMATING REPORT

COMMENTS: M-24 SNIPER

ORDER: R 94-24903

INITIAL	CUSTOMER ORDER NO.
FPS	

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
08/29/94	08/30/94	DI 9-88	C6225426		700 7.62 NATO

ACCESSORIES: SCOPE BASE SCOPE MNTS L/2 STUDS

FROM:

DEPT OF THE ARMY
B CO ARMS
2/75 RANGER BATTALION
FT LEWIS WA 98433

SHIP TO:

DEPT OF THE ARMY
B CO ARMS
2/75 RANGER BATTALION
FT LEWIS WA 98433

CUST NO:062072 C.O.D.

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA
					R768625191

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: New Barrel

PARTS: Barrel — 96003

COMMENTS: Repowder Coat Trigger Guard Assy, Front & Rear Sight Bases Rezinc - Scope Base, Rings & Swivel Studs

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
RW	✓	✓	✓	✓	

GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
RW	9/1/94	9/12/94	9/12/94	9/12/94	

OFFICE COPY

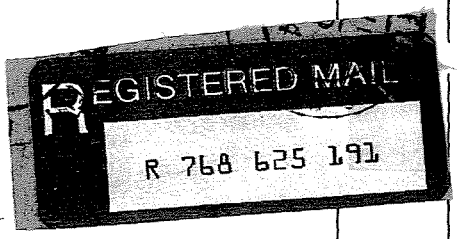
RD6925 REV. 1/94

BARBER - M24 0148289

PACKING LIST

PACKED BY	Mr. Ray Fuller WG-10 Bn. Armorer.
1. NO. BOXES	1
2a. REQUISITION NO.	94238
2b. ORDER NO.	
3. END ITEM	7.62mm M24 Sniper Weapons System (SWS)
4. DATE	26 July 1994
5.	PAGE 1 OF 1 PAGES

BOX NO. (a)	CONTENTS - STOCK NUMBER AND NOMENCLATURE (b)	UNIT OF ISSUE (c)	QUANTITIES REQUIRED: INITIAL OPERATION (d)	QUANTITIES REQUIRED: RUNNING SPARES (e)	QUANTITIES REQUIRED: TOTAL (f)
1	7.62 mm M24 Sniper Weapon System (SWS) Serial No. C6225426 NSN: 1005-01-240-2136	Ea			1
	Note: All Optic Scope Ring Mounts Packed				



6. THIS CERTIFIES THAT ITEMS LISTED HEREON ARE WITHIN THE SPECIFIED BOXES

TYPED NAME AND TITLE	SIGNATURE
Ray Fuller WG-10 Bn Armorer	Ray Fuller

DD FORM 1 SEP 70 1750

MAINTENANCE REQUEST

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

PAGE NO.	NO OF PAGES	REQUIREMENTS CONTROL SYMBOL
1		CSGLD - 1047(R1)

SECTION I - EQUIPMENT DATA

CONTROL NUMBER	WORK ORDER NO.	WESDC	ORG. PD	PD AUTHENTICATION
	94238		02	D A [illegible] CPT IN

	1A. ORGANIZATION	B. LOCATION	C. UNIT IDENT CODE
☒ Work Request ☐ MWO ☐ Warranty Claim	Bn Arms HHC 2/75 Rgr Rgt	Fort Lewis Wa	WH3M7FA

2. SERIAL NO.	3. NOUN NOMENCLATURE	4. LINE NO.	5. MODEL	6. NATIONAL STOCK NUMBER
C6225426	M24 SWS		M24	1005-01-240-2136

7A. MAINTENANCE ACTIVITY	B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS
Remington Arms Custom Shop									

14. FAILURE DETECTED DURING *(Select one - use ✓ or X)*

☐ A	Sch. Main.	☒ C	Test	☐ E	Storage	☐ G	Flight
☐ B	Handling	☐ D	Normal Op	☐ F	Inspection	☐ H	Other

15. FIRST INDICATION OF TROUBLE *(Select one - use ✓ or X)*

☐ 068	Inoperative	☐ 258	Overheating	☐ 790	Out of Adjustment
☐ 008	Noisy	☐ 387	Low Performance	☒	Other

16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM *(Do not prescribe repairs).*

This weapon has fired over 19,000 Rds. During Bench Rest Test Fire at 200/300 yds, groups were shot exceeding the criteria of 2.6" at 200 & 3.8" at 300 yds. (5-10 Shot Groups) This criteria was provided to us by Mr John Glenn ARDEC DSN 880-7071

B. REMARKS

Request ReBarreling and Complete Weapon Reconditioning

SECTION II - WORK ACCOMPLISHED

17A. REPAIR ORGANIZATION/ACTIVITY	C. UNIT IDENT. CODE	18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK *(Select one - use ✓ or X)*	19. AMS ACCT. CODE
B. LOCATION		☐ 1 TOE ☐ 2 TD ☐ 3 Contractor	

20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO. (1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE	D. MANHOURS *(Hrs. & tenths)*	E. NATIONAL STOCK NUMBER	F. PART SOURCE CODE	G. QTY.	H. PARTS COST
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$

I. TOTAL MANHOURS	J. TOTAL MANHOURS COST	K. TOTAL PARTS COST
	$	$

21. DELAY *(Select One)* ☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools

22. ☐ Data Transcribed

23. SUBMITTED BY	24. RECEIVED BY	25. WORK STARTED BY	26. INSPECTED BY	27. ACCEPTED BY
Ray Fuller				
JULIAN DATE 4235	JULIAN DATE	JULIAN DATE	JULIAN DATE	JULIAN DATE

28. DISPOSITION *(Select One)*

☐ A To User ☐ B To Stock ☐ C Salvaged ☐ D Evacuated ☐ E Cannibalization

DA FORM 2407, AUG 88 EDITION OF MAY 81 MAY BE USED NMP COPY 2

SWS/Repair

Final Inspection

Sn: C6225426 | Date Rec'd: 8/29/94 | 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: _____

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225426
15 Sep 1994

CENTROIDAL DISTANCES

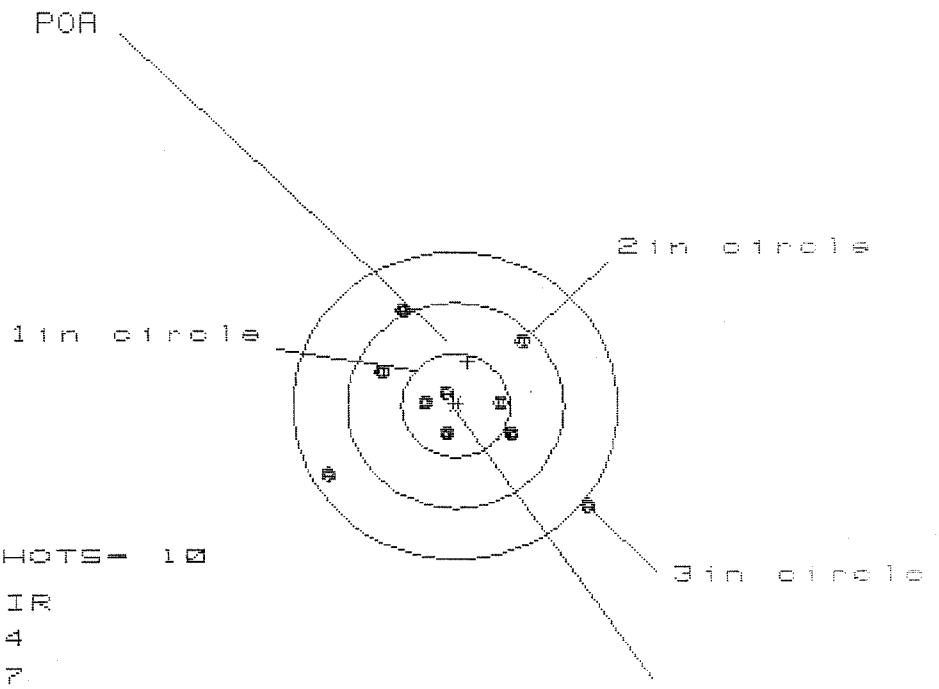
0	TO	1	.320225
1	TO	2	.366105
1	TO	3	.159389
1	TO	4	.463729
1	TO	5	.467822

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1222
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0442
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .129948

THE AMR FOR THIS RIFLE IS: .9538

15 Sep 1994 FILE:/PATTERNING/CENTERFIRE_PATT/C6225426

CENTERFIRE PATTERNS # 5

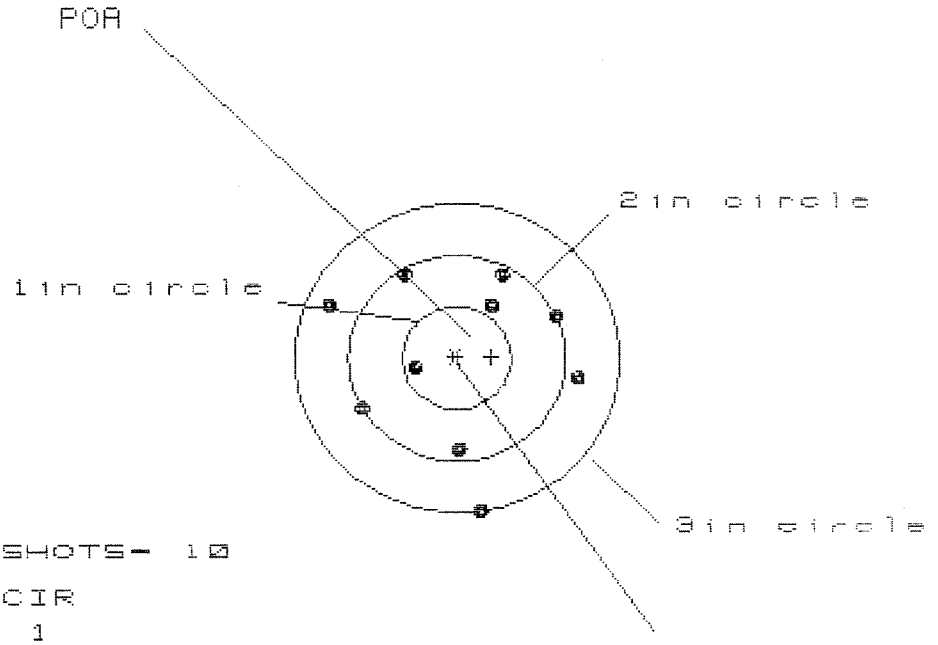


# OF SHOTS= 10
# IN CIR
1in = 4
2in = 7
3in = 9
HS= 2.389
VS= 1.948
GS= 2.585

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.234	.774	.647
MINIMUM X	:	-1.155	-1.017	-.716
MAXIMUM Y	:	.975	.867	.766
MINIMUM Y	:	-.973	-.805	-.513
CENTROID X	:	-.116	-.253	-.126
CENTROID Y	:	-.433	-.325	-.224
POA TO CENTROID in.	:	.448	.412	.257
MIN RADIUS	:	.184	.046	.119
MEAN RADIUS	:	.750	.637	.563
MAX RADIUS	:	1.572	1.297	.891
HORIZONTAL SPREAD	:	2.389	1.791	1.363
VERTICAL SPREAD	:	1.948	1.672	1.279
EXTREME SPREAD	:	2.585	2.207	1.556
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Sep 1994 FILE:/PATTERNING/CENTERFIRE_PATT/C6225426

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

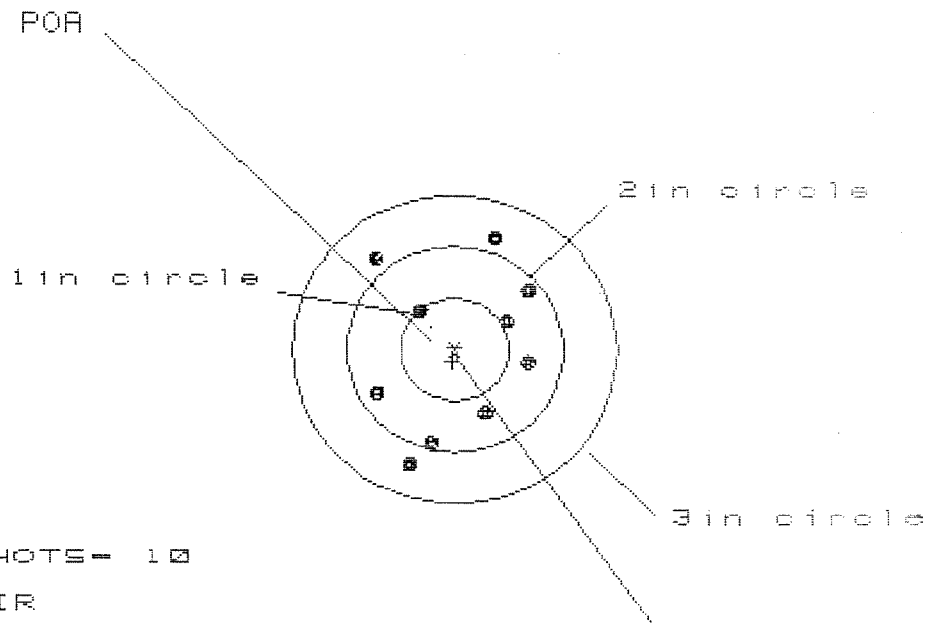
# IN CIR
1in = 1
2in = 6
3in = 9

HS= 2.212
VS= 2.343
GS= 2.428

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.078	1.097	.957
MINIMUM X	:	-1.135	-1.115	-1.026
MAXIMUM Y	:	.849	.683	.728
MINIMUM Y	:	-1.494	-1.093	-1.048
CENTROID X	:	-.320	-.339	-.199
CENTROID Y	:	-.012	.154	.109
POA TO CENTROID in.	:	.320	.372	.227
MIN RADIUS	:	.427	.459	.467
MEAN RADIUS	:	.972	.892	.849
MAX RADIUS	:	1.504	1.172	1.190
HORIZONTAL SPREAD	:	2.212	2.212	1.983
VERTICAL SPREAD	:	2.343	1.776	1.776
EXTREME SPREAD	:	2.428	2.315	2.010
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Sep 1994 FILE:/PATTERNING/CENTERFIRE_PATT/C8225426

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

# IN CIR
1in = 0
2in = 7
3in = 10

HS= 1.426
VS= 2.216
GS= 2.360

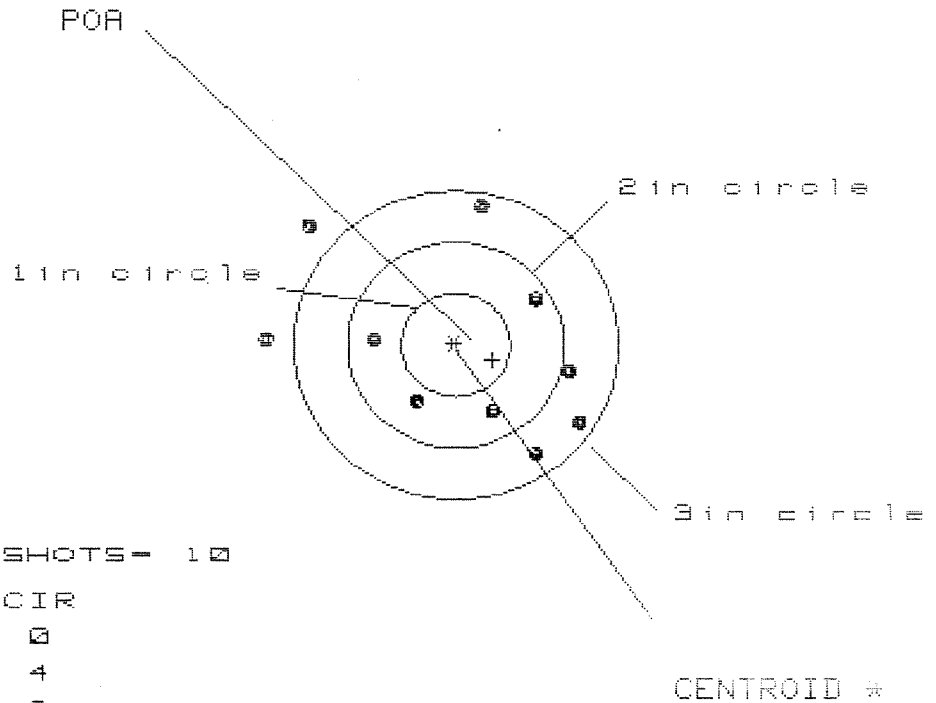
PATTERN # : **2**

SHOTS (BEST OF) :	10	9	8
MAXIMUM X :	.704	.656	.559
MINIMUM X :	-.722	-.770	-.846
MAXIMUM Y :	1.061	.933	1.026
MINIMUM Y :	-1.155	-1.008	-.915
CENTROID X :	.023	.071	.168
CENTROID Y :	.116	.245	.152
POA TO CENTROID in.:	.119	.255	.226
MIN RADIUS :	.505	.428	.401
MEAN RADIUS :	.854	.798	.751
MAX RADIUS :	1.235	1.070	1.051
HORIZONTAL SPREAD :	1.426	1.426	1.405
VERTICAL SPREAD :	2.216	1.941	1.941
EXTREME SPREAD :	2.360	2.038	2.038

NUMBER IN ONE INCH CIRCLE = 0
NUMBER IN TWO INCH CIRCLE = 7
NUMBER IN THREE INCH CIRCLE = 10

15 Sep 1994 FILE:/PATTERNING/CENTERFIRE_PATT/C6225426

CENTERFIRE PATTERNS # 3

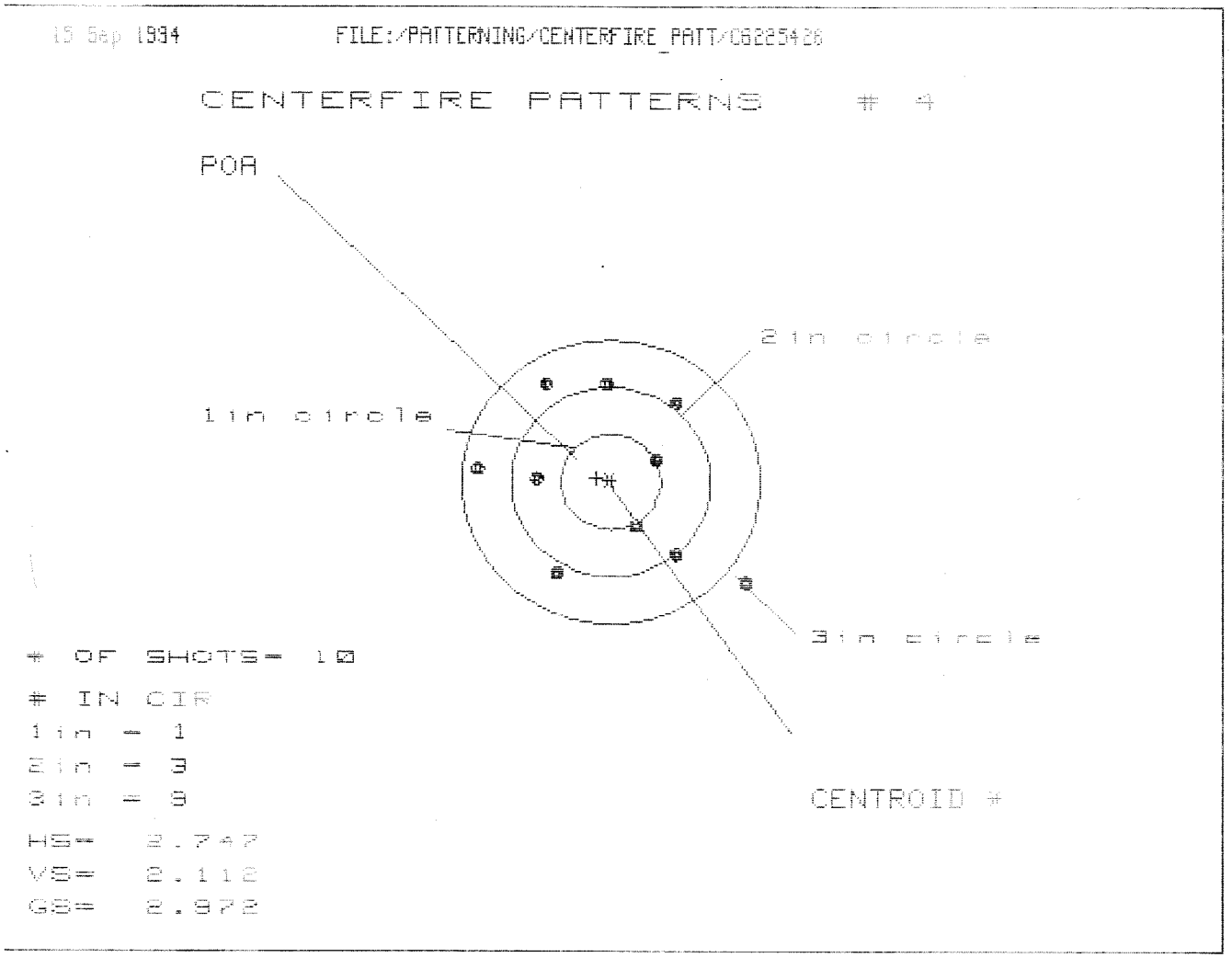


OF SHOTS= 10

# IN CIR
1in = 0
2in = 4
3in = 8

HS= 2.838
VS= 2.424
GS= 3.126

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.109	.954	.719
MINIMUM X	:	-1.729	-1.884	-1.119
MAXIMUM Y	:	1.402	1.527	1.555
MINIMUM Y	:	-1.022	-.897	-.869
CENTROID X	:	-.341	-.186	.049
CENTROID Y	:	.146	.021	-.007
POA TO CENTROID in.	:	.371	.188	.049
MIN RADIUS	:	.646	.576	.517
MEAN RADIUS	:	1.158	1.053	.909
MAX RADIUS	:	1.784	1.897	1.562
HORIZONTAL SPREAD	:	2.838	2.838	1.838
VERTICAL SPREAD	:	2.424	2.424	2.424
EXTREME SPREAD	:	3.126	2.966	2.473
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #		4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.373	.842	.690
MINIMUM X	:	-1.373	-1.221	-.738
MAXIMUM Y	:	1.066	.950	.946
MINIMUM Y	:	-1.046	-1.105	-1.109
CENTROID X	:	.143	-.009	.143
CENTROID Y	:	-.038	.078	.082
POA TO CENTROID in.	:	.148	.079	.165
MIN RADIUS	:	.480	.589	.444
MEAN RADIUS	:	1.035	.952	.900
MAX RADIUS	:	1.727	1.248	1.254
HORIZONTAL SPREAD	:	2.747	2.063	1.428
VERTICAL SPREAD	:	2.112	2.055	2.055
EXTREME SPREAD	:	2.972	2.248	2.242
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

M-24

CONTRACT # DAAA21-87-C-0086 New Barrel

GUN SERIAL # C6225[illegible]26

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		9/1/94	RW
600	Proof		9/1/94	RW
607	Check Headspace		9/1/94	RW
610	Dis-assemble Gun		9/1/94	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/12/94	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/12/94	RW
	C) Inspect Ejector Hole for Chamfer		9/12/94	RW
	D) Oil Firing Pin Ass'y		9/12/94	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force			
	G) Safety Off Force			
	H) Trigger Pull Test & Retainability			
	I) Firing Pin Indent			
	J) Assemble Stock			
	K) Assemble Swivel Studs			
	L) Attach Front and Rear Sight Assemblies			
	M) Iron Sight Alignment			
	N) Detach Front & Rear Sights & place in numbered container			
	O) Attach Scope to Rifle			
	P) Detach & Attach Scope 20 Times			
640	Gallery Target & Test		9/13/94	BR
	A) Time		9/13/94	BR
	B) Malfunctions		9/13/94	BR
	C) Pierced Primers		9/13/94	BR
	D) Optical Clearity of Scope		9/13/94	BR
645	Inspect for Live Ammo		9/13/94	RW
655	Final Inspection A) Headspace		9/14/94	RW
	B) Trigger Pull	2.53 | 2.59 | 2.60 | 2.63 | 2.62	9/14/94	RW
	C) Function		9/14/94	RW
660	Pack			