C6349160

MODEL 700™ M24

Model SWS™

Action

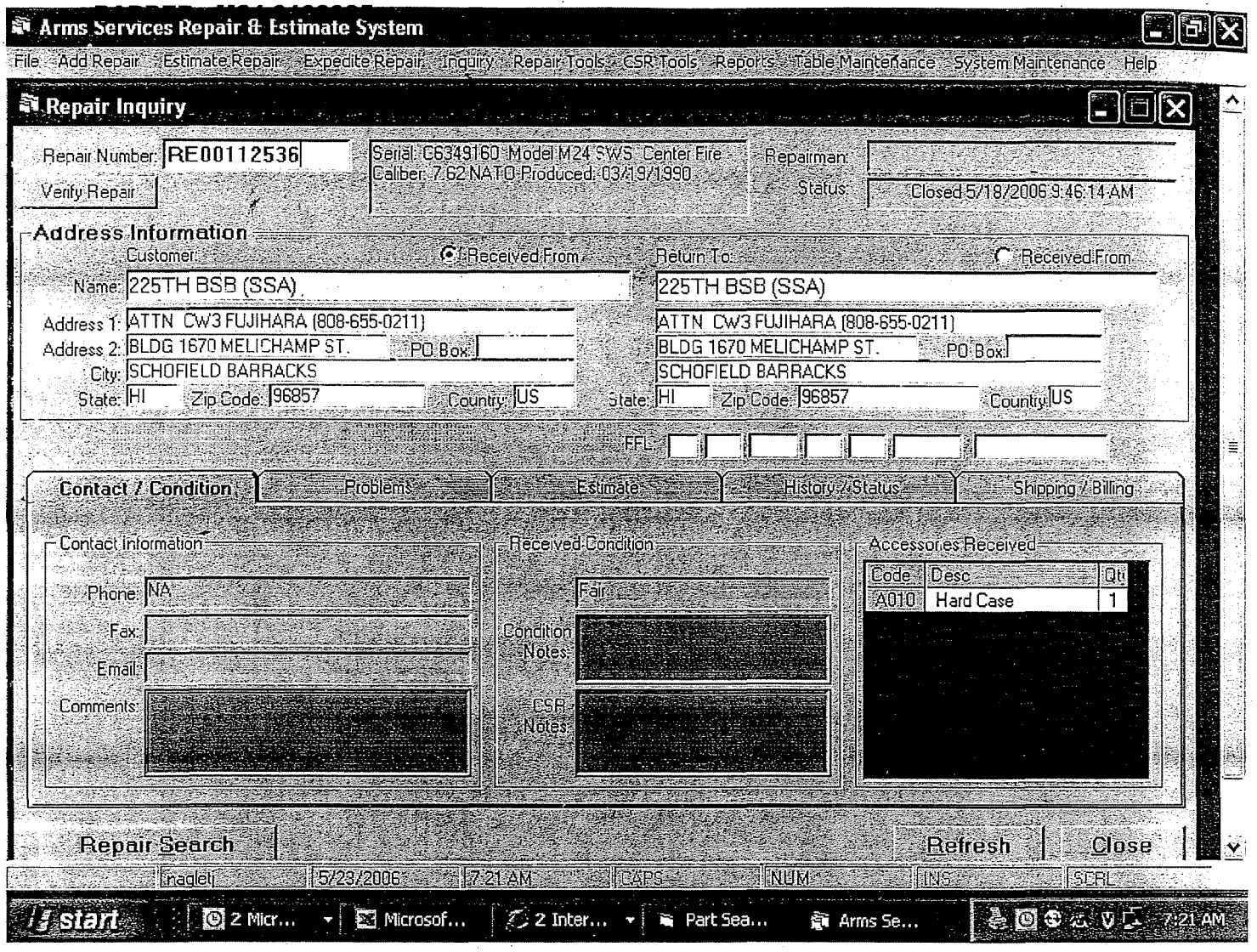
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington®



Serial Number: C6349160

Model: M24 SWS

RE00112536

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349160.__0
FILE DATE AND TIME: 11/13/2006 23:26

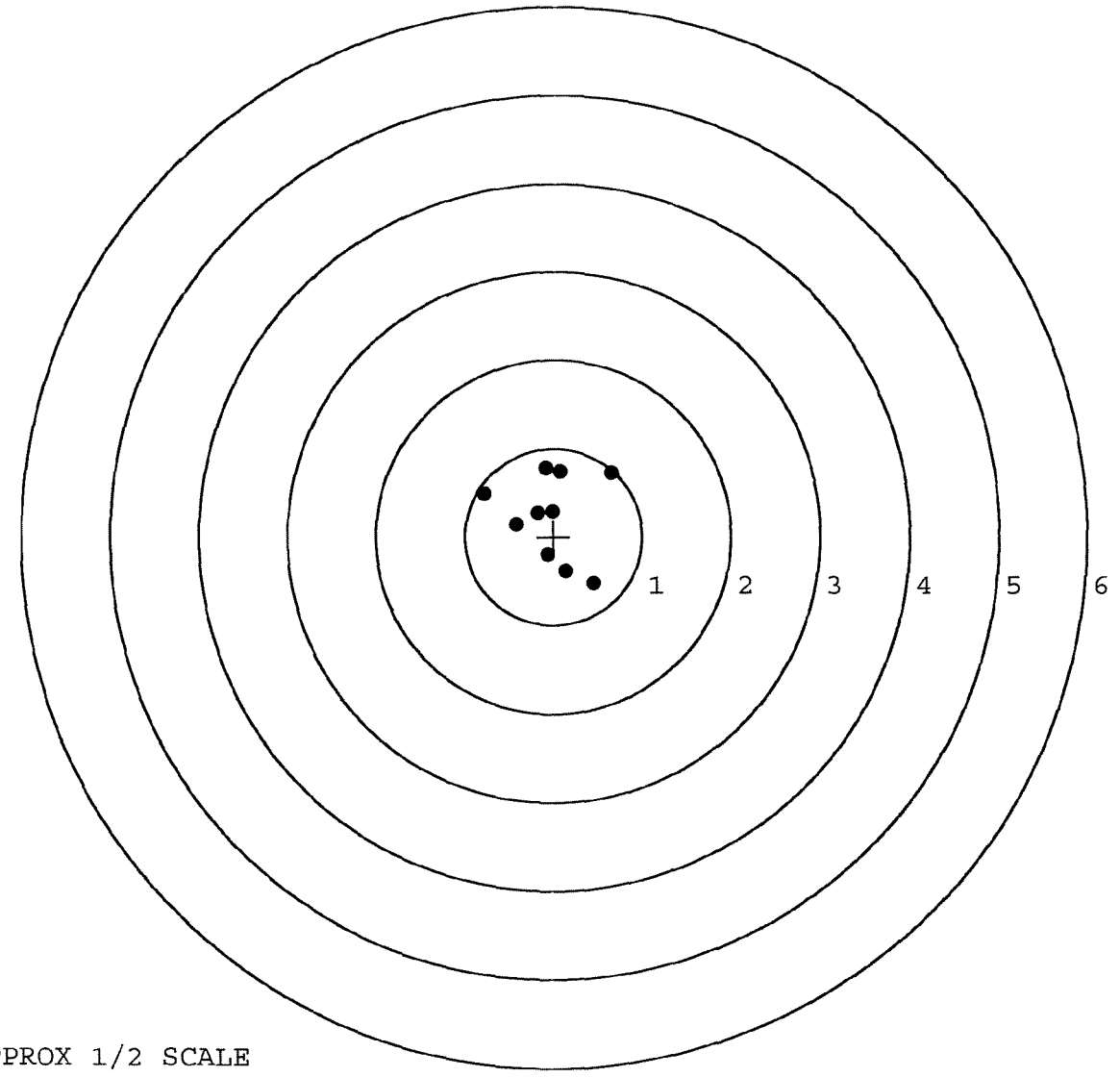
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.056
The Average Y Centroid of the Five Target Set:	0.109
The Average Point of Impact of the Five Target Set:	0.122
The Average Mean Radius of the Five Target Set:	0.573
The Distance from POA to Centroid Target #1:	0.229
The Distance from Centroid Target #2 to Centroid Target #1:	0.169
The Distance from Centroid Target #3 to Centroid Target #1:	0.162
The Distance from Centroid Target #4 to Centroid Target #1:	0.233
The Distance from Centroid Target #5 to Centroid Target #1:	0.197

SERIAL NUMBER: C6349160.__0
TARGET NUMBER: 1
FILE DATE: 11/13/2006
FILE TIME: 23:26

X CENTROID:	-0.026
Y CENTROID:	0.227
POA TO CENTROID:	0.229
HORZ SPREAD:	1.436
VERT SPREAD:	1.306
GROUP SPREAD:	1.603
MIN RADIUS:	0.058
MAX RADIUS:	0.897
MEAN RADIUS:	0.533
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.786	0.484
2:	-0.097	0.776
3:	0.070	0.740
4:	0.650	0.723
5:	-0.014	0.284
6:	-0.186	0.267
7:	-0.423	0.135
8:	-0.068	-0.212
9:	0.142	-0.395
10:	0.456	-0.530



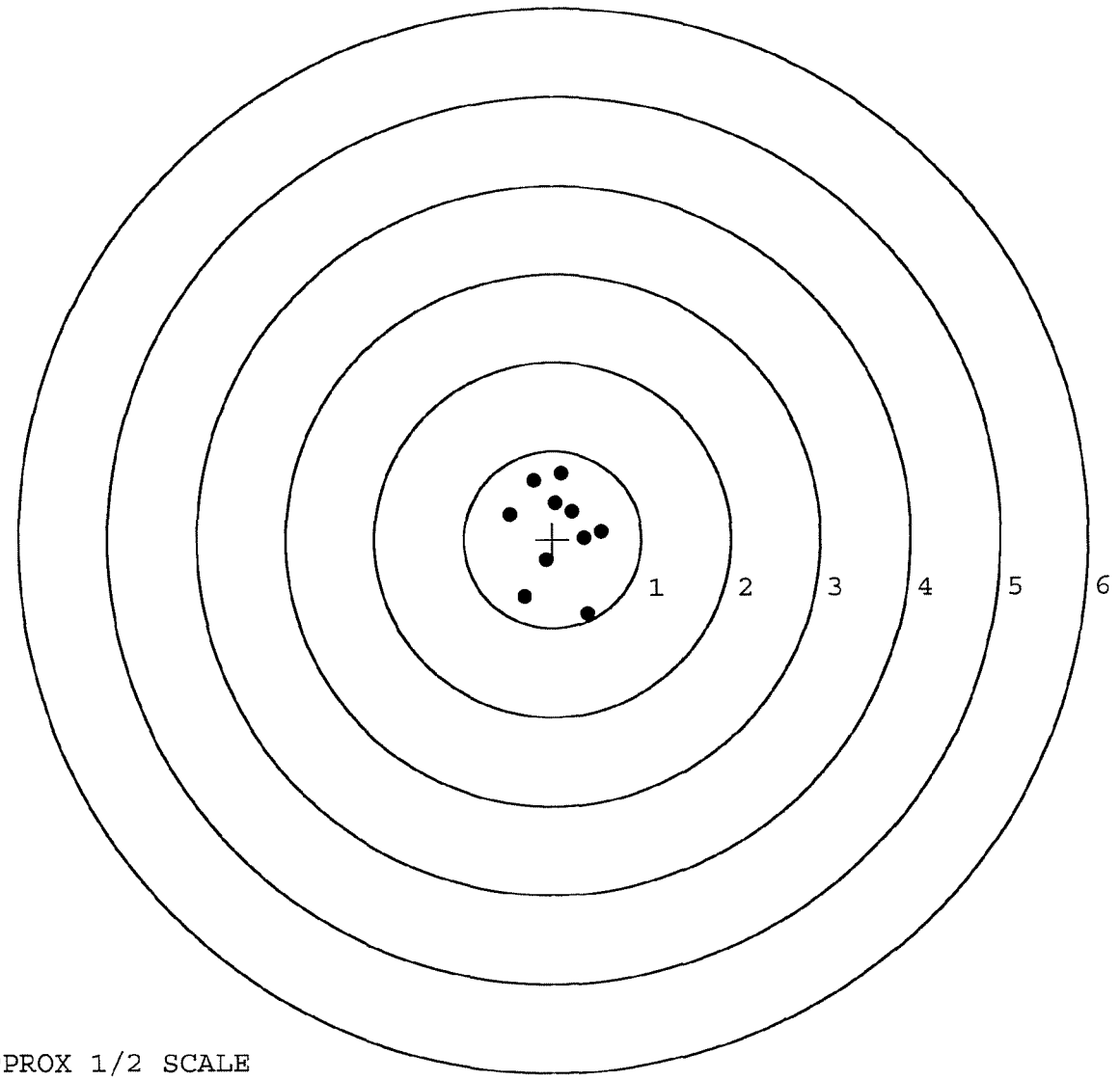
TARGET APPROX 1/2 SCALE

BARBER - M24 0109038

SERIAL NUMBER: C6349160.__0
TARGET NUMBER: 2
FILE DATE: 11/13/2006
FILE TIME: 23:26

X CENTROID:	0.055
Y CENTROID:	0.078
POA TO CENTROID:	0.096
HORZ SPREAD:	1.037
VERT SPREAD:	1.582
GROUP SPREAD:	1.624
MIN RADIUS:	0.280
MAX RADIUS:	0.981
MEAN RADIUS:	0.545
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.214	0.664
2:	0.032	0.413
3:	0.096	0.740
4:	0.217	0.307
5:	0.357	0.014
6:	0.550	0.090
7:	-0.487	0.283
8:	-0.077	-0.239
9:	-0.320	-0.647
10:	0.393	-0.842

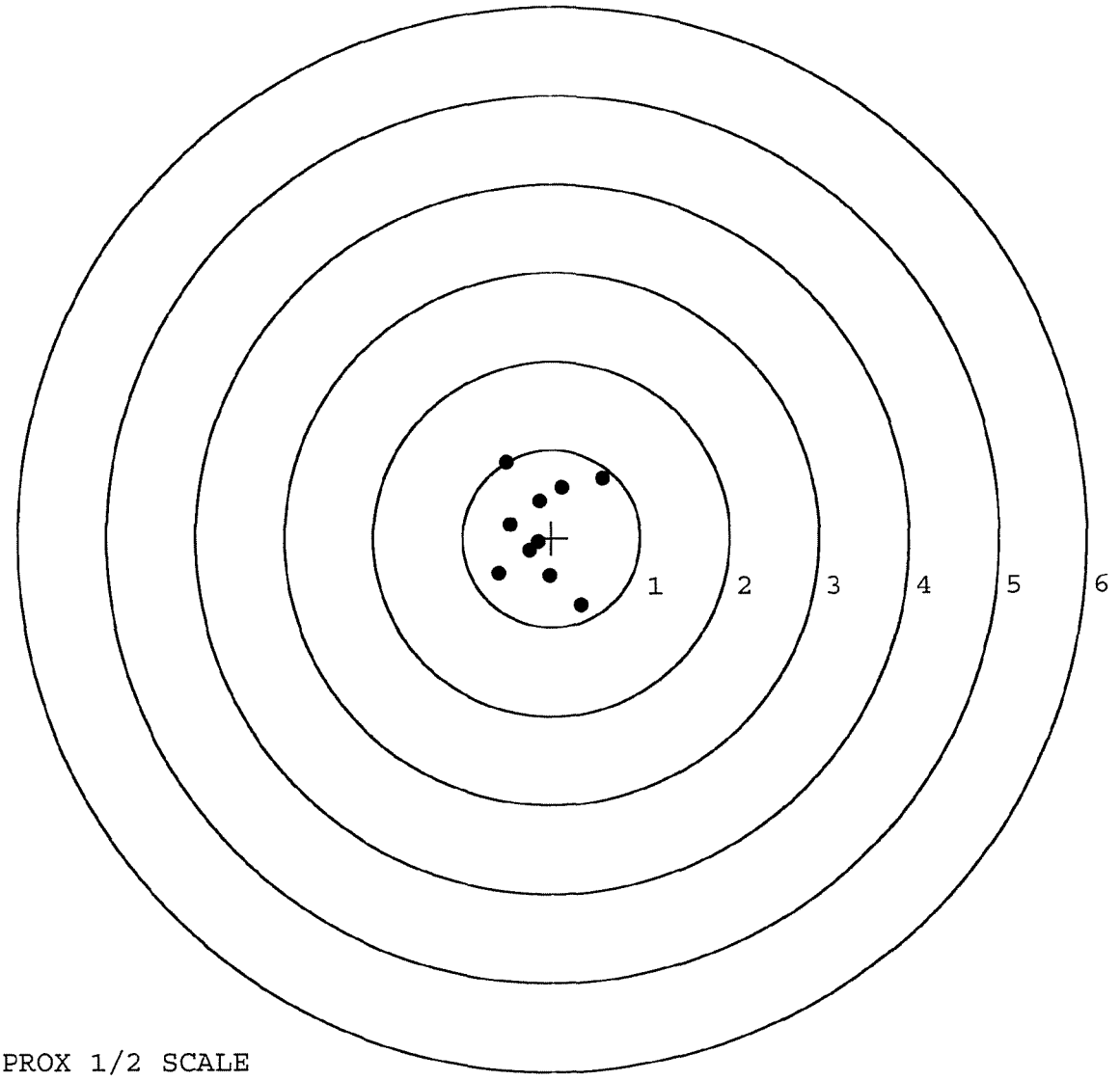


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349160.__0
TARGET NUMBER: 3
FILE DATE: 11/13/2006
FILE TIME: 23:26

X CENTROID:	-0.113
Y CENTROID:	0.091
POA TO CENTROID:	0.145
HORZ SPREAD:	1.175
VERT SPREAD:	1.620
GROUP SPREAD:	1.825
MIN RADIUS:	0.146
MAX RADIUS:	0.955
MEAN RADIUS:	0.558
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.513	0.863
2:	-0.467	0.158
3:	-0.137	0.418
4:	0.114	0.572
5:	0.576	0.674
6:	-0.149	-0.050
7:	-0.253	-0.146
8:	-0.599	-0.394
9:	-0.026	-0.428
10:	0.327	-0.757

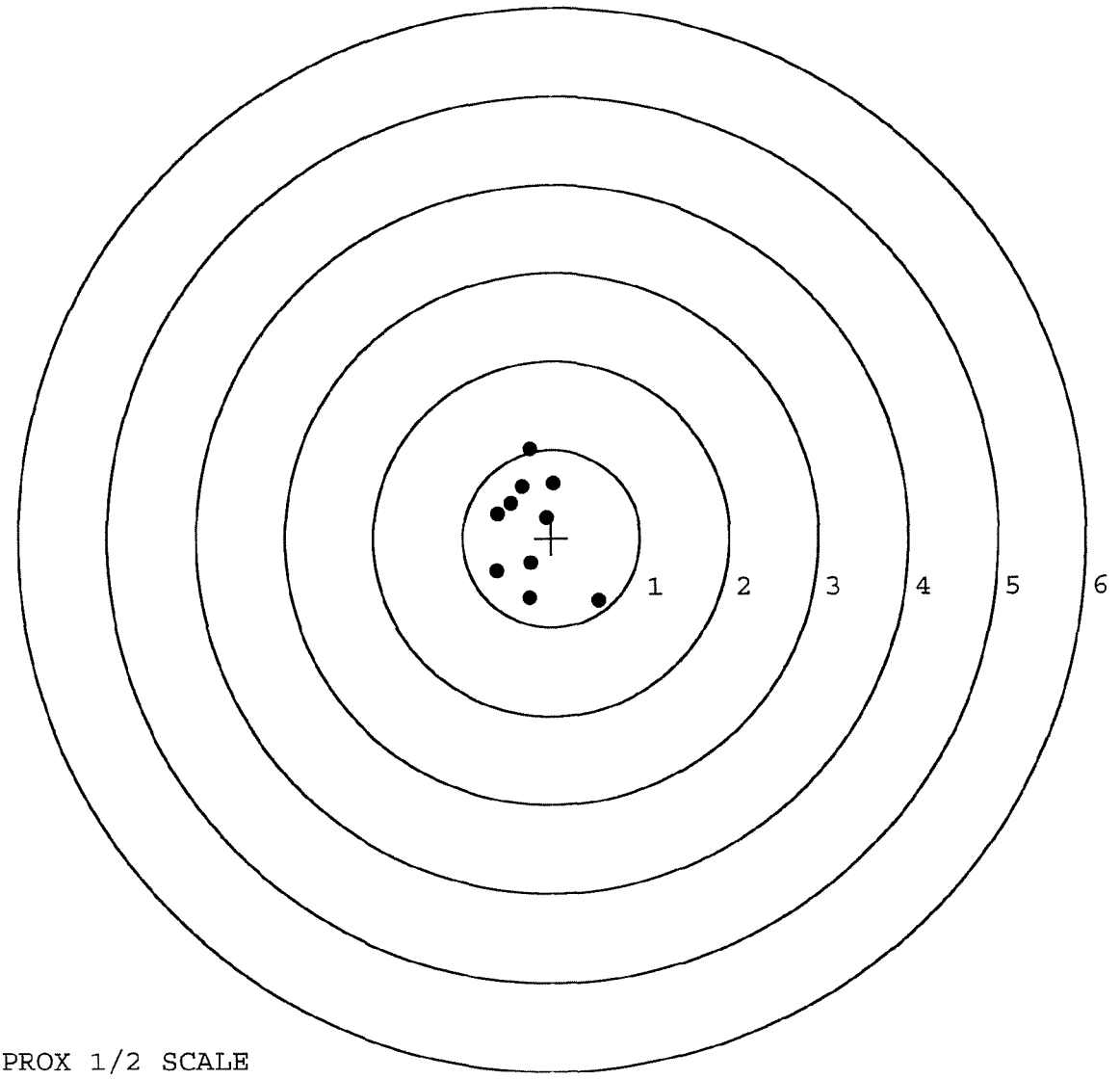


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349160.__0
TARGET NUMBER: 4
FILE DATE: 11/13/2006
FILE TIME: 23:26

X CENTROID:	-0.226
Y CENTROID:	0.109
POA TO CENTROID:	0.251
HORZ SPREAD:	1.151
VERT SPREAD:	1.713
GROUP SPREAD:	1.879
MIN RADIUS:	0.207
MAX RADIUS:	1.109
MEAN RADIUS:	0.587
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.241	1.012
2:	0.024	0.616
3:	-0.057	0.229
4:	-0.336	0.586
5:	-0.466	0.397
6:	-0.611	0.279
7:	-0.619	-0.367
8:	-0.234	-0.283
9:	-0.252	-0.677
10:	0.532	-0.701

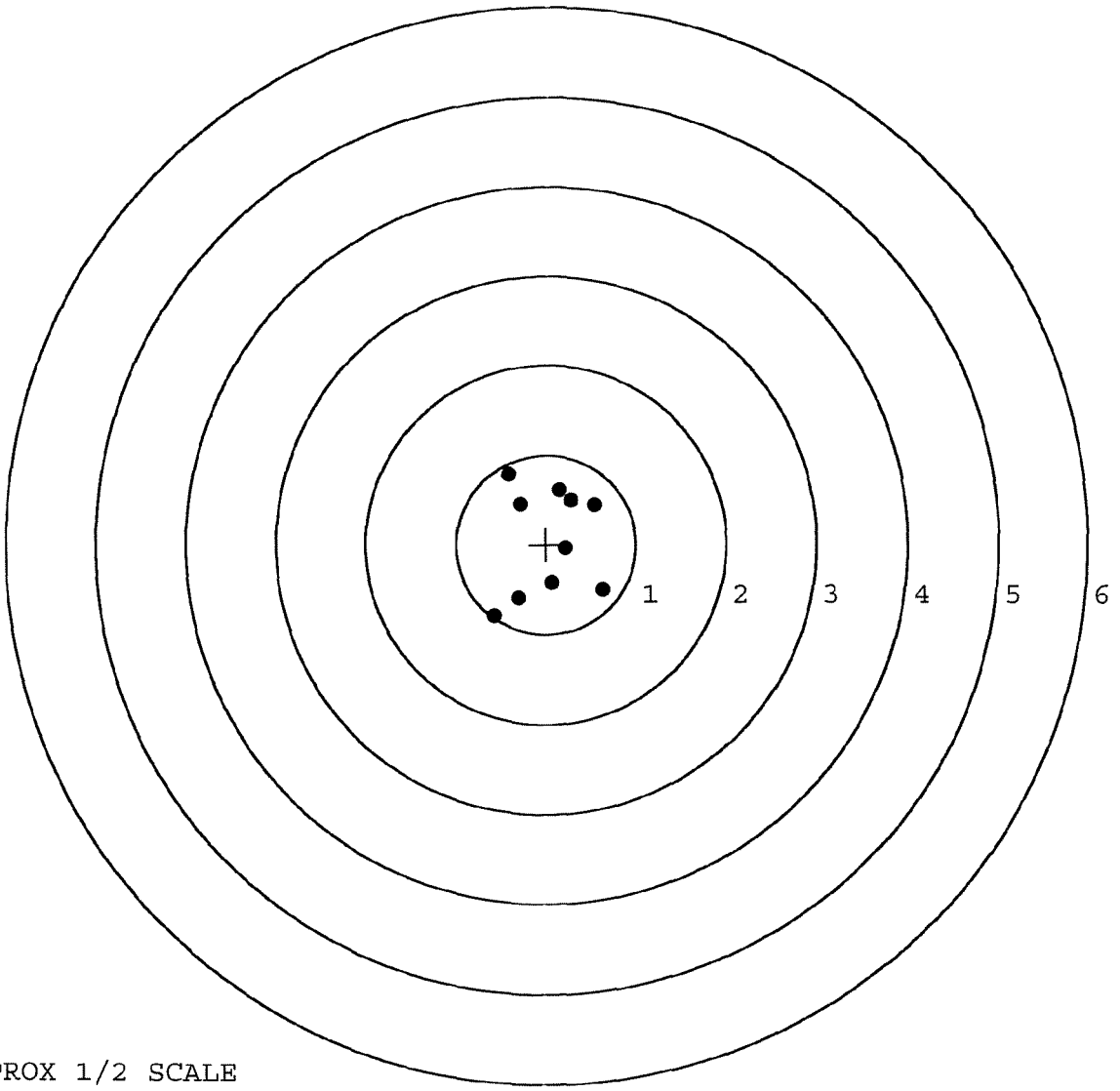


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349160.__0
TARGET NUMBER: 5
FILE DATE: 11/13/2006
FILE TIME: 23:26

X CENTROID:	0.029
Y CENTROID:	0.038
POA TO CENTROID:	0.048
HORZ SPREAD:	1.214
VERT SPREAD:	1.585
GROUP SPREAD:	1.676
MIN RADIUS:	0.207
MAX RADIUS:	1.038
MEAN RADIUS:	0.641
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.424	0.781
2:	-0.291	0.452
3:	0.148	0.613
4:	0.278	0.493
5:	0.539	0.446
6:	0.216	-0.049
7:	0.070	-0.437
8:	0.636	-0.509
9:	-0.306	-0.604
10:	-0.578	-0.804



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	112536			
SERIAL NUMBER	~~A2536~~ IPR C6349160 A-2			
LOG-IN DATE	5-18-06			

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		5-23-06	RTC
505	RE-BARREL		5-28-06	RTC
560	ASSEMBLE		5-30-06	RTC
600	PROOF	MAGNA-FLUX INSPECTED JUN 02 2006		
605	CHECK HEADSPACE	MAGNA-FLUX INSPECTED SEP 20 2006		
610	DIS-ASSEMBLE GUN	OPERATOR	6-1-06	RTC
612	MAGNAFLUX	OPERATOR APD	6-2-06	APD
510	DRILL AND TAP		6-1-06	TRW
615	ROLLMARK CALIBER	9-20-06 CW	6-2-06	CW
618	ROTO-BLAST		6-2-06	LB
620	APPLY COATINGS	9/22/06 RB	10/5/06	RB
625	FINAL ASSEMBLY		11-11-06	RTC
640	FUNCTION TEST AND	(PASS) FAIL	11-13-06	TRW
650	TARGET	(PASS) FAIL	11-13-06	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION N/A	11-13-06	SAS
670	FINAL INSPECTION		11-15-06	RTC
	A) HEADSPACE	(PASS) FAIL	11-14-06	RTC
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	233 238 243 2-43 246	11-14-06	RTC
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	7° 7° 7°	11-14-06	RTC
	G) SAFETY OFF FORCE (2 LBS MIN)	2° 2° 2°	11-14-06	RTC
	I) FIRING PIN INDENT .020	.024 .025 .025	11-14-06	RTC
690	PACK		11-15-06	DA

BARBER - M24 0109043

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER R 99-22147

INITIAL	CUSTOMER ORDER NO.
SWS	

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
11/05/99	11/09/99		C6349160		700 7.62NAT M/24-CAMO

ACCESSORIES: SLING STRAP W/STUDS W/SWIVELS HARD CASE SCOPE BASE W/SCOPE, BI-POD, CLEAN-TOOL Scope # 89 1264

FROM:

COMMANDER
HHC 1-14 INF
ATTN S4
SCHOFIELD BKS HI 96857

SHIP TO:

COMMANDER
HHC 1-14 INF
ATTN S4
SCHOFIELD BKS HI 96857

CUST NO: 119232 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		COMMENTS
BBL	96003	
Stock	96018	
EXTractor	91816	

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
RW	✓	✓	✓	✓	
GALLERY TESTER	**DATE**	**DATE**	**DATE**	**DATE**	**DATE**
RW		1-22-00	2-3-00	2-3-00	

OFFICE COPY

RD6925 REV. 7/97

Remington Test Lab, Ilion, N.Y.

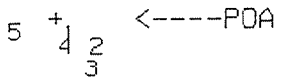
Centroidal distance calculations for Rifle # c6349160
7 Feb 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0714
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1802
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .19383

THE AMR FOR THIS RIFLE IS: 1.061

CENTROIDAL DISTANCES

0	TO	1	.126657
1	TO	2	.208483
1	TO	3	.28262
1	TO	4	.0917606
1	TO	5	.358035

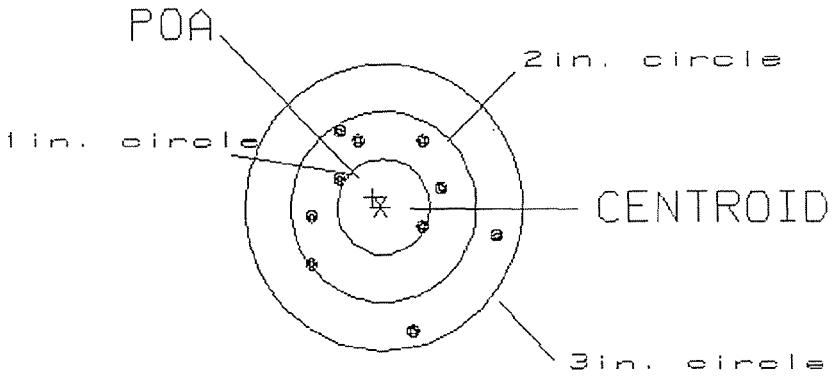


REMINGTON CENTERFIRE ACCURACY TEST REMINGTON TEST LAB, ILION, N.Y.

PATTERN #:	1
POA TO CENTROID:	.126
MIN RADIUS :	.461
MEAN RADIUS :	.865
MAX RADIUS :	1.367
CENTROID X :	.079
CENTROID Y :	-.099

4 Feb 2000 FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349160

CENTERFIRE PATTERN # 1



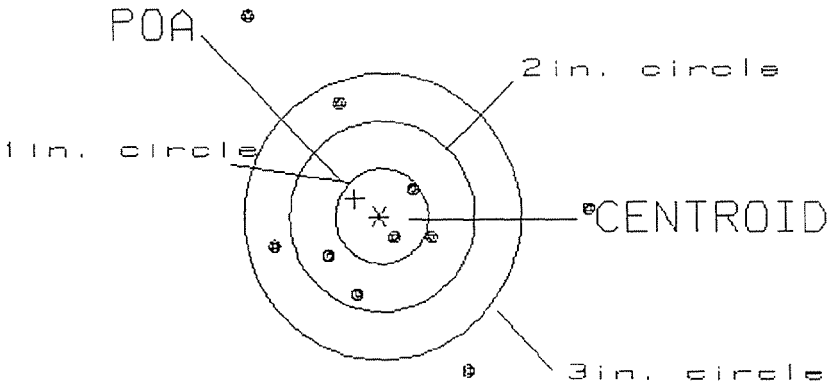
# OF SHOTS= 10	# IN CIRCLE
HS= 2.02	1
VS= 2.15	7
GS= 2.28	10

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

PATTERN #:		2
POA TO CENTROID:		.326
MIN RADIUS	:	.271
MEAN RADIUS	:	1.190
MAX RADIUS	:	2.568
CENTROID X	:	.268
CENTROID Y	:	-.187

4 Feb 2000 FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349160

CENTERFIRE PATTERN # 2



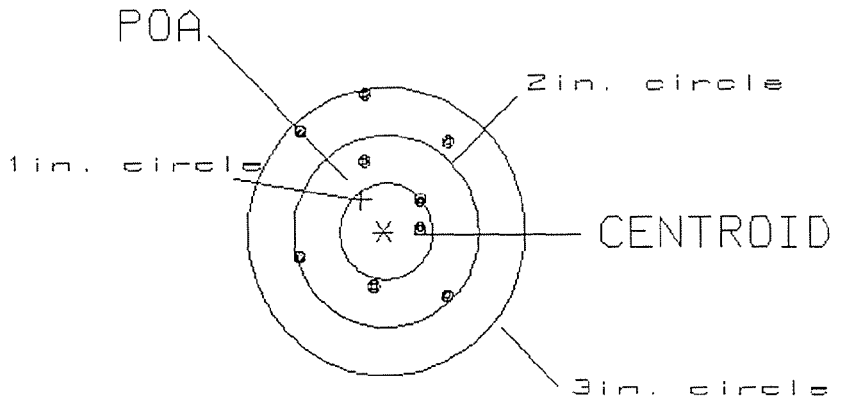
# OF SHOTS= 10	# IN CIRCLE
HS= 3.65	2
VS= 3.78	5
GS= 4.45	7

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

PATTERN #:		3
POA TO CENTROID:		.409
MIN RADIUS	:	.358
MEAN RADIUS	:	1.112
MAX RADIUS	:	3.160
CENTROID X	:	.236
CENTROID Y	:	-.334

4 Feb 2000 FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349160

CENTERFIRE PATTERN # 3



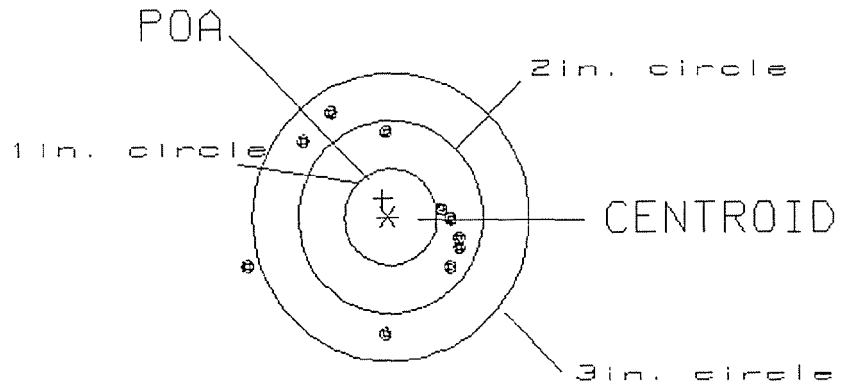
# OF SHOTS= 10	# IN CIRCLE
HS= 1.61	2
VS= 4.60	6
GS= 4.66	8

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

PATTERN #:	4
POA TO CENTROID:	.195
MIN RADIUS :	.527
MEAN RADIUS :	.961
MAX RADIUS :	1.643
CENTROID X :	.053
CENTROID Y :	-.187

4 Feb 2000 FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349160

CENTERFIRE PATTERN # 4



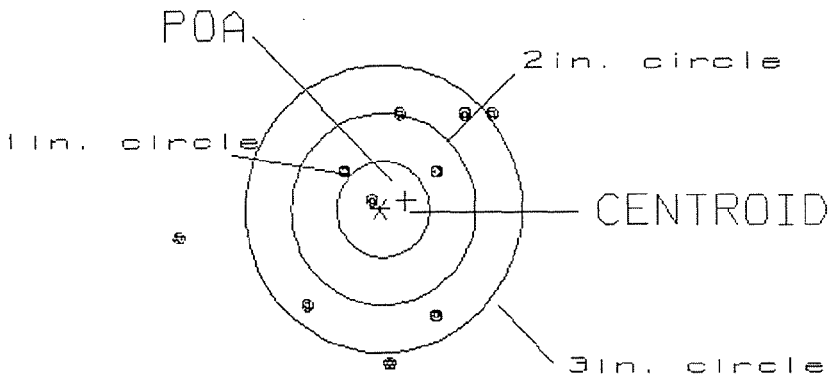
# OF SHOTS= 10	# IN CIRCLE
HS= 2.29	0
VS= 2.24	6
GS= 2.32	9

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

PATTERN #: □ 5 □		
POA TO CENTROID:		.294
MIN RADIUS	:	.197
MEAN RADIUS	:	1.177
MAX RADIUS	:	2.192
CENTROID X	:	-.279
CENTROID Y	:	-.094

4 Feb 2000 FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349160

CENTERFIRE PATTERN # 5



# OF SHOTS=	10	# IN CIRCLE	
HS=	3.39		1
VS=	2.61		3
GS=	3.62		7

21 DAY TURN - AROUND

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

R&E NO. **SERIAL NO.** C6349160

		LOG IN DATE: / /	DATE	INIT.
		INSPECT & VERIFY:		
OP. #		OP. NAME		
550		DIS-ASSEMBLE GUN		
560	A	RE-BARREL AT CUSTOM SHOP		
	B	DRILL & TAP		
	C	POLISH		
575		ASSEMBLE		
600		PROOF	12-13-99	RW
605		CHECK HEADSPACE	12-13-99	RW
610		DIS-ASSEMBLE		
612		MAGNAFLUX		
615		ROLLMARK CALIBER		
618		ROTO-BLAST		
620		APPLY COATINGS		
625	A	FINAL ASSEMBLY		
	B	TRIGGER PULL TEST		
	C	SAFETY ON FORCE		
	D	SAFETY OFF FORCE		
	E	FIRING PIN INDENT		
640		TARGET	2-3-00	RW
655		FINAL INSPECT	2-8-00	RW
660		PACK		
		QAR INSPECTION	SHIP DATE	

SWS/Repair

Final Inspection

Sn: C6349160	Date Rec'd: 11-5-99	Date Ret'd:

Auditor: RW

Item:

Barrel Assy.

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

Scope Assy.

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

Misc.

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

Item:

Stock Assy.

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

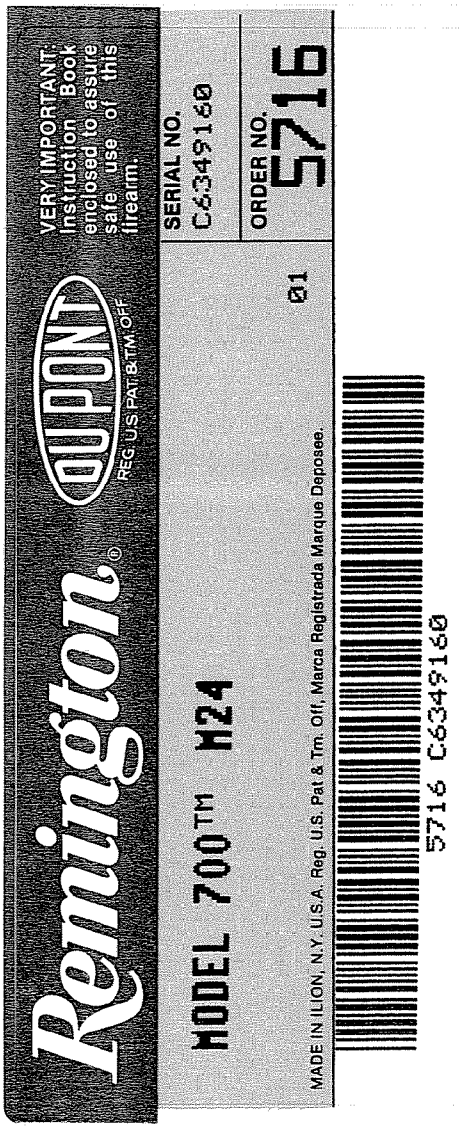
Systems Case

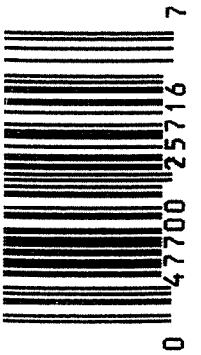
- ___ Scope Case
- ___ Iron Sights
- ___ Deployment Kit

Trigger

- ✓ Safety Operation
- ✓ Set
- ___

Comments: _____


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.
C6349160
ORDER NO.
5716
01
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off., Marca Registrada, Marque Deposee.
5716 C6349160


UPC
0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349/60

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12-20	89	RW
600	Proof	12-20	89	[illegible]
607	Check Headspace	12-20	89	[illegible]
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action	1-5-90		KER
	Magnaflux Bolt	1-5-90		
615	Rollmark Caliber		1/5/90	GS
617	Drill and Tap Sight Holes		1/8/90	FB
618	Polish Barrel RB		1/9/90	WB
620	Apply Coatings (Barrel Action)		1/15/90	[illegible]
	Apply Coating (Bolt)		1/15/90	[illegible]
625	Final Assembly A) Clean inside of Bolt Assembly		1/16/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/16/90	RW
	C) Inspect Ejector Hole for Chamfer		1/16/90	RW
	D) Oil Firing Pin Ass'y		1/16/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		18 Jan 90	GS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			1-18-90	9A
	G) Safety Off Force	2	2	2			1-18-90	9A
	H) Trigger Pull Test & Retainability						1/18/90	9A
	I) Firing Pin Indent	.020	.020	.020			1-18-90	9A
	J) Assemble Stock						3/5/90	RW
	K) Assemble Swivel Studs						3/1/90	WB
	L) Attach Front and Rear Sight Assemblies						3/5/90	RW
	M) Iron Sight Alignment						3/5/90	RW
	N) Detach Front & Rear Sights & place in numbered container						3/5/90	RW
	O) Attach Scope to Rifle						3/5/90	WB
	P) Detach & Attach Scope 20 Times						3/5/90	WB
640	Gallery Target & Test	3-6-90	J.S				3-5-90	A
	A) Time						11	A
	B) Malfunctions						11	A
	C) Pierced Primers						11	A
	D) Optical Clearity of Scope						11	A
645	Inspect for Live Ammo						3-5-90	A
655	Final Inspection A) Headspace						3/12/90	WB
	B) Trigger Pull	2.60	2.61	2.58	2.66	2.43	3/12/90	WB
	C) Function						3/12/90	WB
660	Pack						3/16/90	RS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6349/60
DATE 18 Jan 90
TESTER [illegible]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.67	2.64	2.31	2.60	MIN. SETTING,
PULL #2	2.58	2.32	2.34	2.61	NO AVG. OF 5
PULL #3	2.56	2.30	2.32	2.58	READINGS ACCEPT-
PULL #4	2.56	2.34	2.30	2.66	ABLE LESS THAN 2#
PULL #5	2.59	2.30	2.32	2.45	
TOTAL	12.96	11.90	11.59		
AVG.	2.592	2.38	2.318		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	2.94	2.97		
PULL #2	2.98	2.99		
PULL #3	2.97	3.03		
PULL #4	2.99	3.05		
PULL #5	2.84	3.08		
TOTAL	14.72	15.12		
AVG.	2.944	3.024		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	3.95	3.76		3.74
PULL #2	4.02	4.06		3.71
PULL #3	3.99	4.07		3.74
PULL #4	4.00	4.07		3.76
PULL #5	4.03	4.03		3.74
TOTAL	19.99	19.99		18.69
AVG.	3.998	3.998		3.738

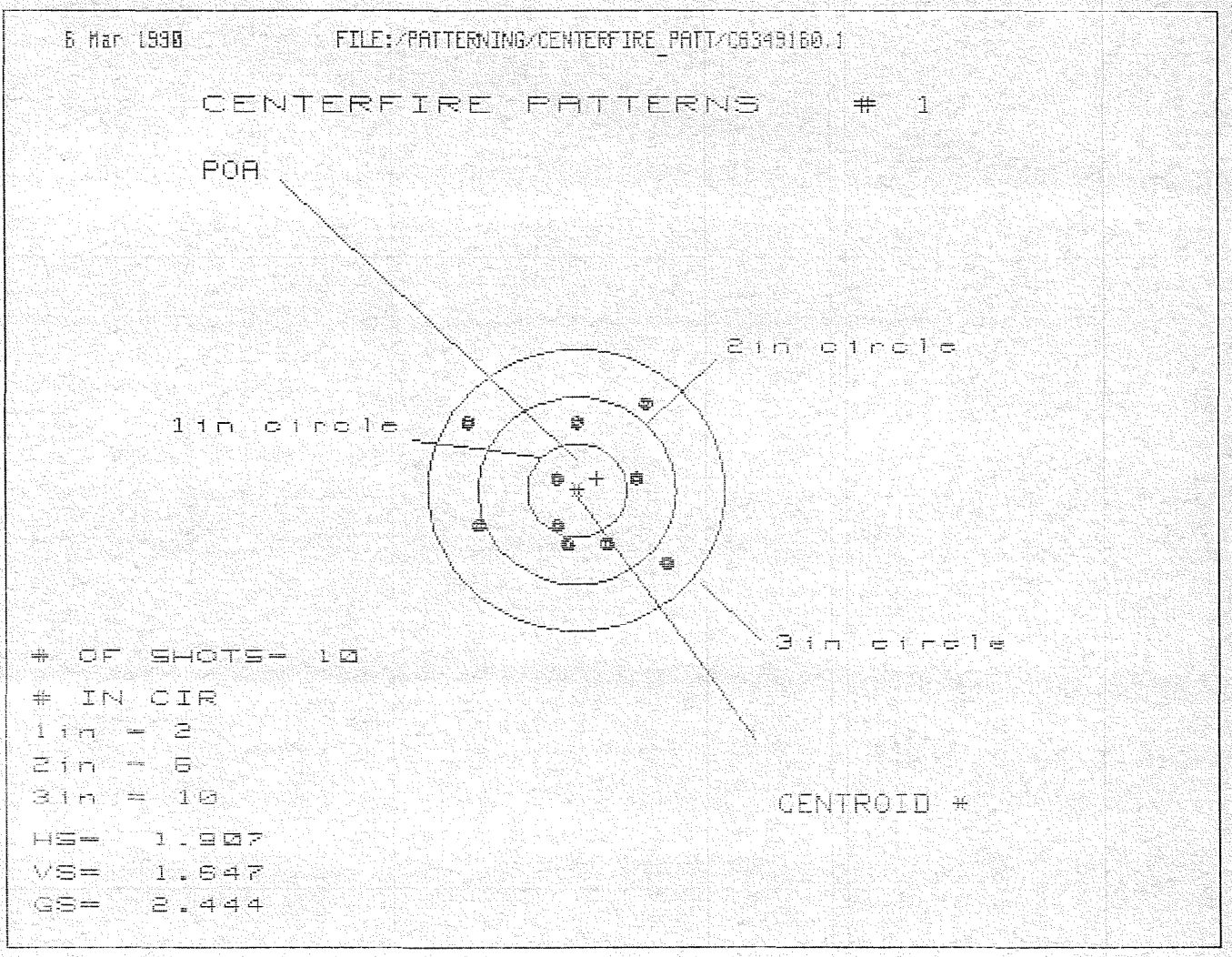
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349160
6 Mar 1990

CENTROIDAL DISTANCES

0	TO	1	.23776
1	TO	2	.375225
1	TO	3	.37718
1	TO	4	.362178
1	TO	5	.314396

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1616
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0582
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .171761

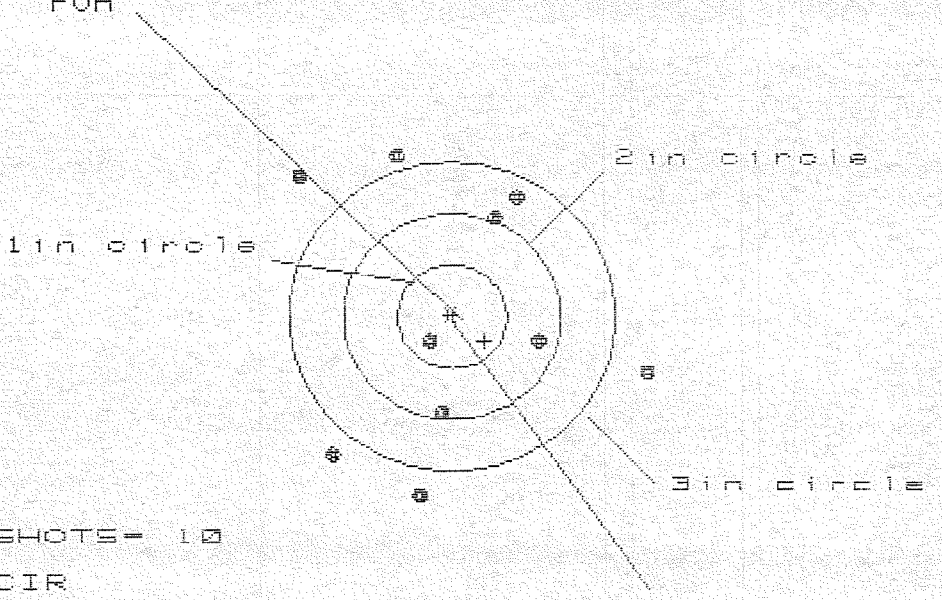
THE AMR FOR THIS RIFLE IS: 1.007



PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.853	.736	.692
MINIMUM X	:	-1.054	-1.155	-1.063
MAXIMUM Y	:	.888	.973	.889
MINIMUM Y	:	-.759	-.674	-.601
CENTROID X	:	-.201	-.084	-.176
CENTROID Y	:	-.127	-.212	-.128
POA TO CENTROID in.	:	.238	.229	.218
MIN RADIUS	:	.214	.359	.235
MEAN RADIUS	:	.790	.724	.683
MAX RADIUS	:	1.305	1.191	1.127
HORIZONTAL SPREAD	:	1.907	1.891	1.755
VERTICAL SPREAD	:	1.647	1.647	1.490
EXTREME SPREAD	:	2.444	2.164	2.164
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Mar 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C6349180.1

CENTERFIRE PATTERNS # 2

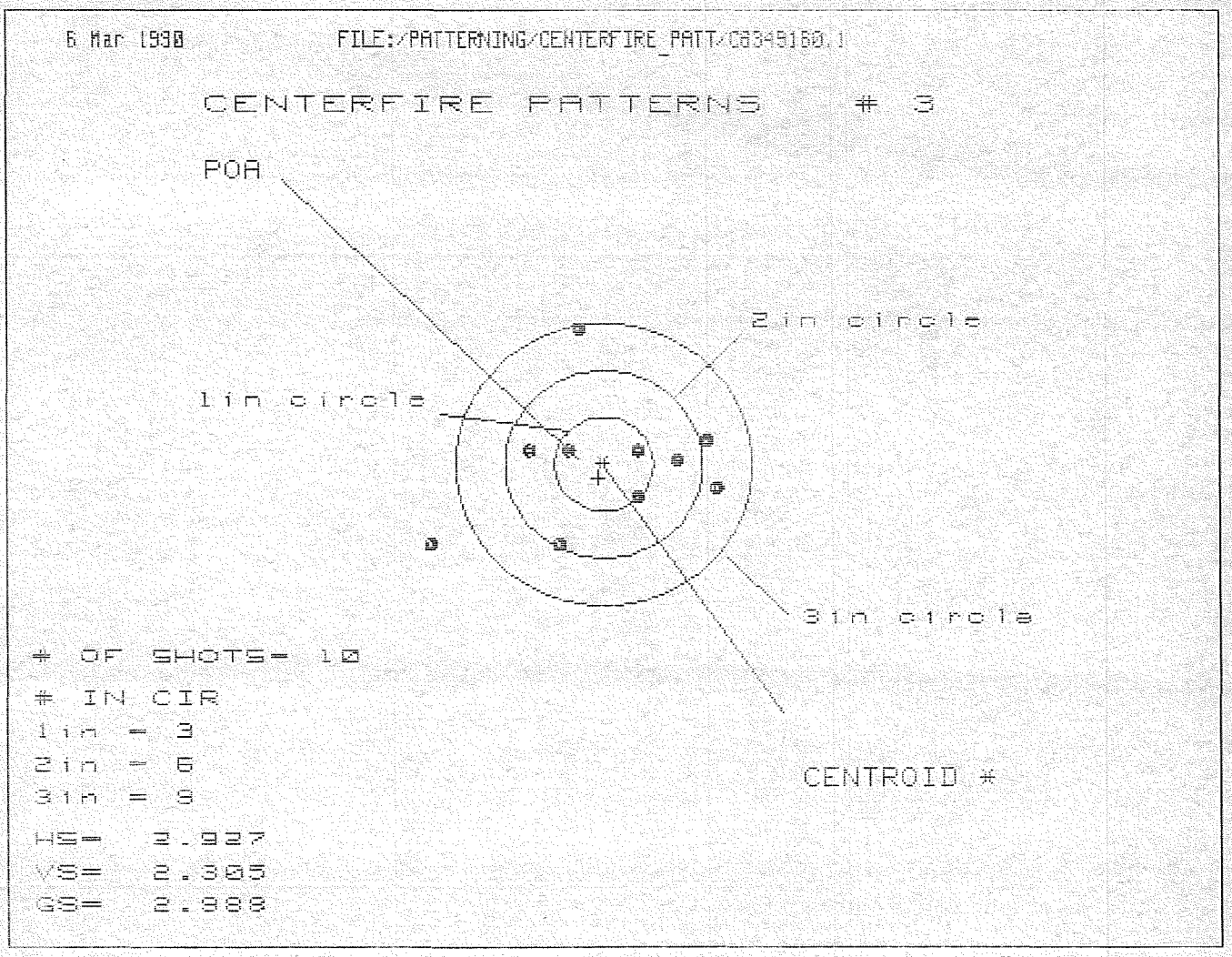


OF SHOTS= 10

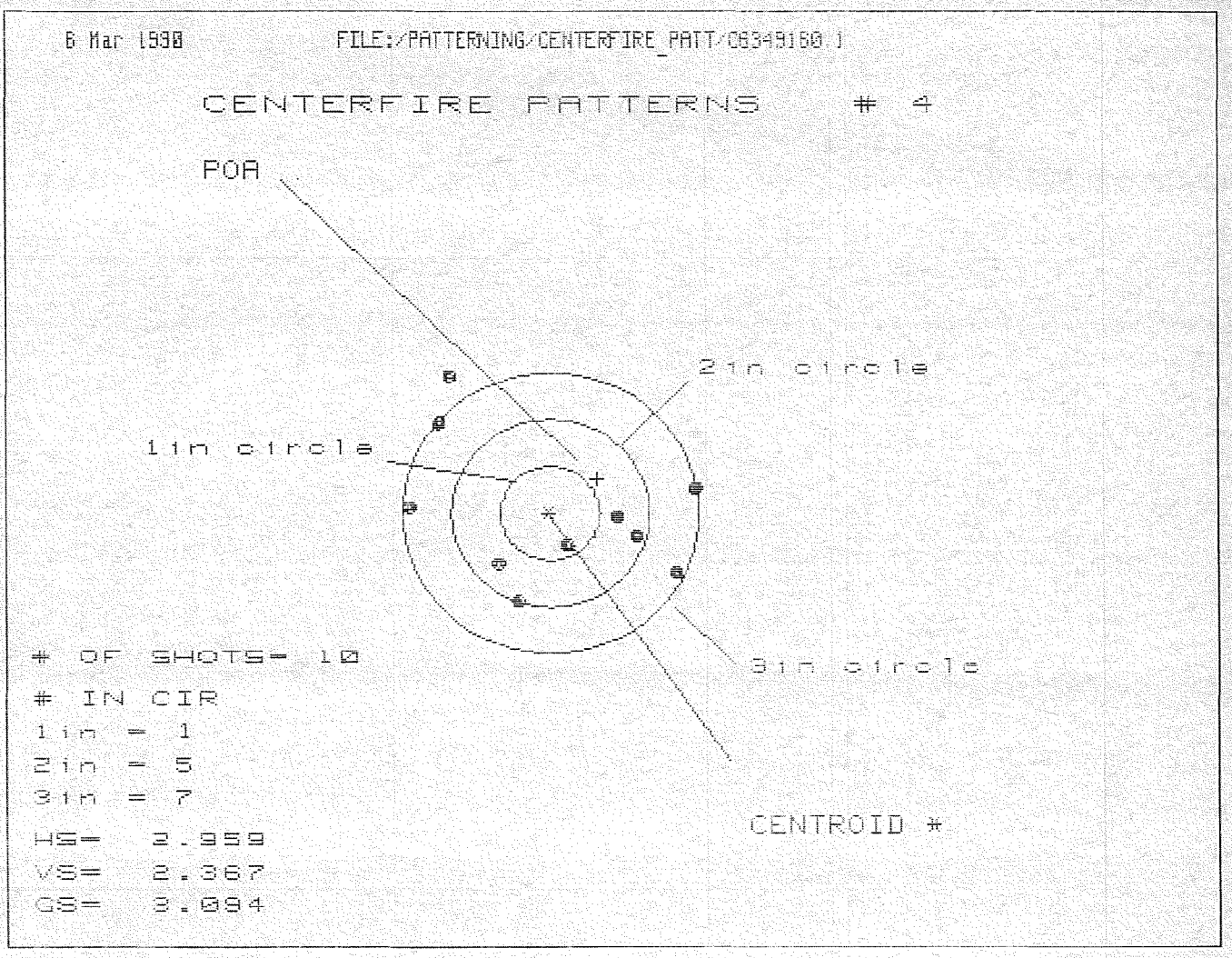
# IN CIR
1in = 1
2in = 3
3in = 5

HS= 3.201
VS= 3.305
GS= 3.725

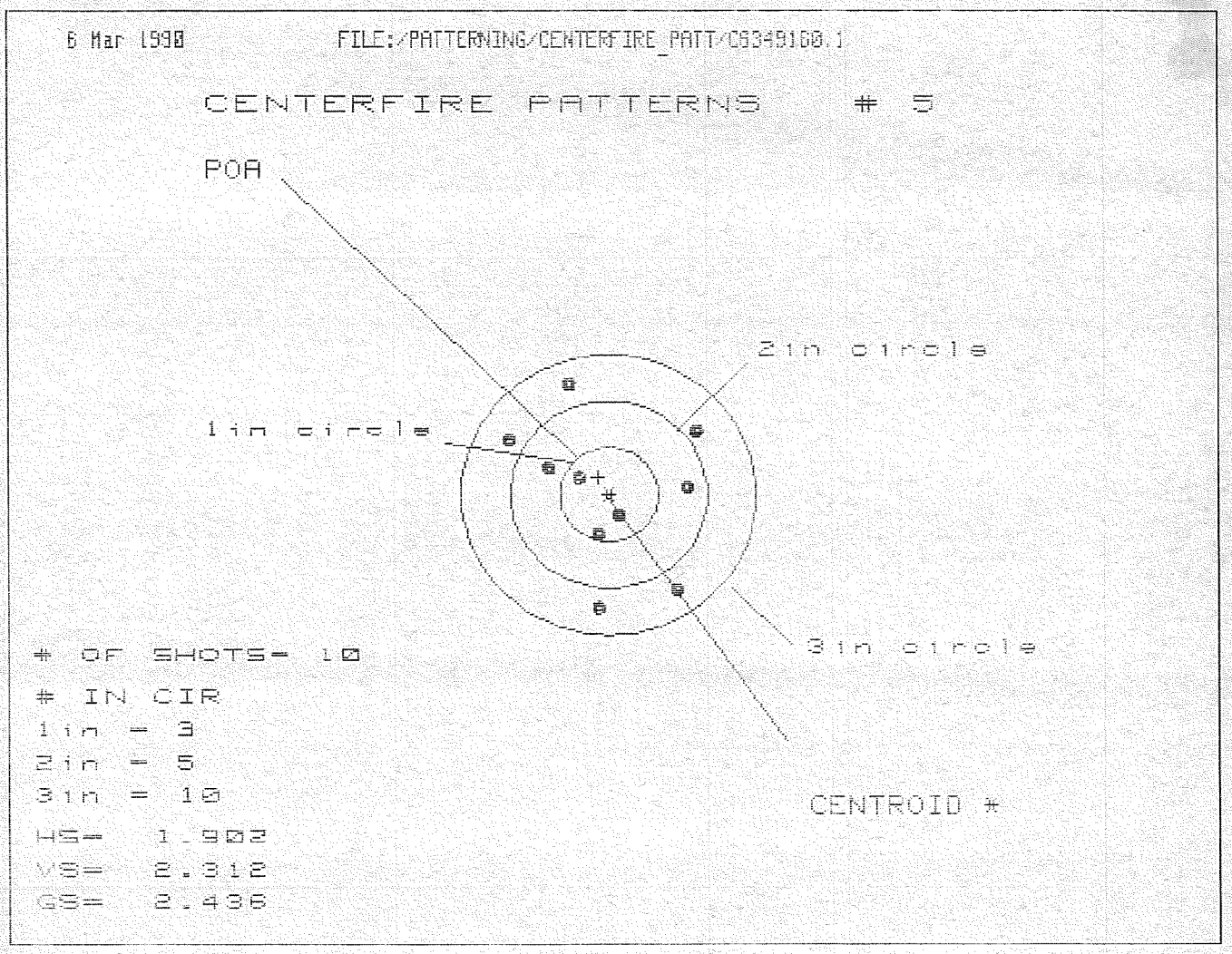
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.836	1.022	.877
MINIMUM X	:	-1.365	-1.161	-1.086
MAXIMUM Y	:	1.559	1.494	1.652
MINIMUM Y	:	-1.746	-1.811	-1.653
CENTROID X	:	-.296	-.500	-.355
CENTROID Y	:	.236	.301	.143
POA TO CENTROID in.	:	.379	.584	.383
MIN RADIUS	:	.325	.283	.221
MEAN RADIUS	:	1.347	1.282	1.185
MAX RADIUS	:	1.926	1.813	1.714
HORIZONTAL SPREAD	:	3.201	2.183	1.963
VERTICAL SPREAD	:	3.305	3.305	3.305
EXTREME SPREAD	:	3.725	3.312	3.312
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		5	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.135	.935	.880
MINIMUM X	:	-1.792	-.917	-.972
MAXIMUM Y	:	1.464	1.371	.306
MINIMUM Y	:	-.841	-.934	-.762
CENTROID X	:	.055	.255	.310
CENTROID Y	:	.150	.243	.072
POA TO CENTROID in.	:	.160	.352	.318
MIN RADIUS	:	.336	.116	.230
MEAN RADIUS	:	.933	.778	.680
MAX RADIUS	:	1.978	1.440	1.067
HORIZONTAL SPREAD	:	2.927	1.852	1.852
VERTICAL SPREAD	:	2.305	2.305	1.069
EXTREME SPREAD	:	2.988	2.319	1.894
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.521	1.410	1.323
MINIMUM X	:	-1.438	-1.549	-1.373
MAXIMUM Y	:	1.471	1.135	1.184
MINIMUM Y	:	-.896	-.732	-.683
CENTROID X	:	-.474	-.363	-.539
CENTROID Y	:	-.365	-.529	-.578
POA TO CENTROID in.	:	.599	.641	.790
MIN RADIUS	:	.339	.151	.218
MEAN RADIUS	:	1.130	1.004	.948
MAX RADIUS	:	1.782	1.711	1.619
HORIZONTAL SPREAD	:	2.959	2.959	2.696
VERTICAL SPREAD	:	2.367	1.867	1.867
EXTREME SPREAD	:	3.094	2.965	2.912
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.916	.992	.947
MINIMUM X	:	-.986	-.910	-.955
MAXIMUM Y	:	1.136	1.022	.702
MINIMUM Y	:	-1.176	-1.290	-1.162
CENTROID X	:	.108	.032	.077
CENTROID Y	:	-.185	-.071	-.199
POA TO CENTROID in.	:	.214	.078	.214
MIN RADIUS	:	.236	.228	.235
MEAN RADIUS	:	.833	.783	.732
MAX RADIUS	:	1.233	1.290	1.179
HORIZONTAL SPREAD	:	1.902	1.902	1.902
VERTICAL SPREAD	:	2.312	2.312	1.864
EXTREME SPREAD	:	2.436	2.343	2.105
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349160
5 Mar 1990

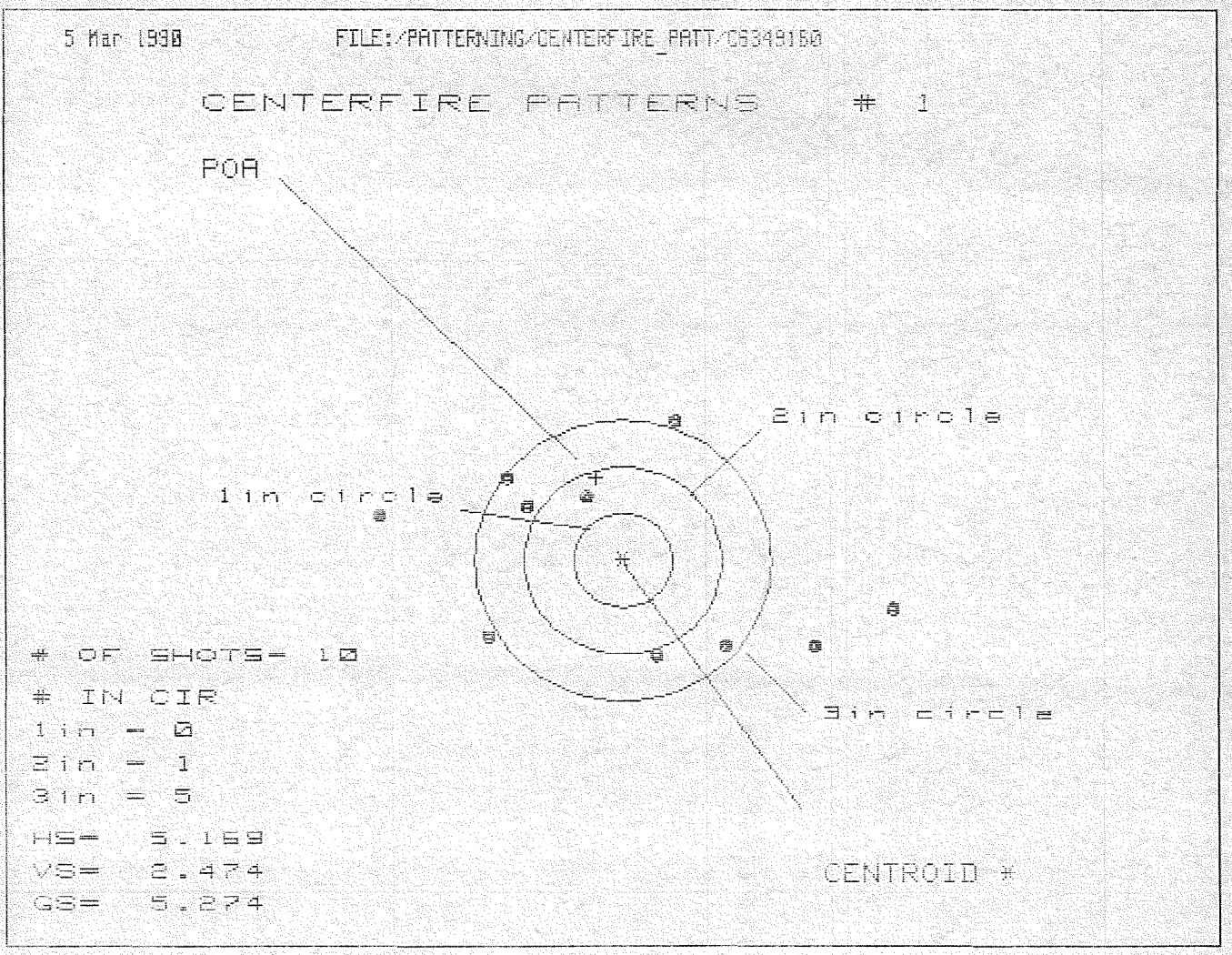
CENTROIDAL DISTANCES

0	TO	1	.927272
1	TO	2	.939566
1	TO	3	1.09268
1	TO	4	.678136
1	TO	5	1.44187

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0442
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1324
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .139583

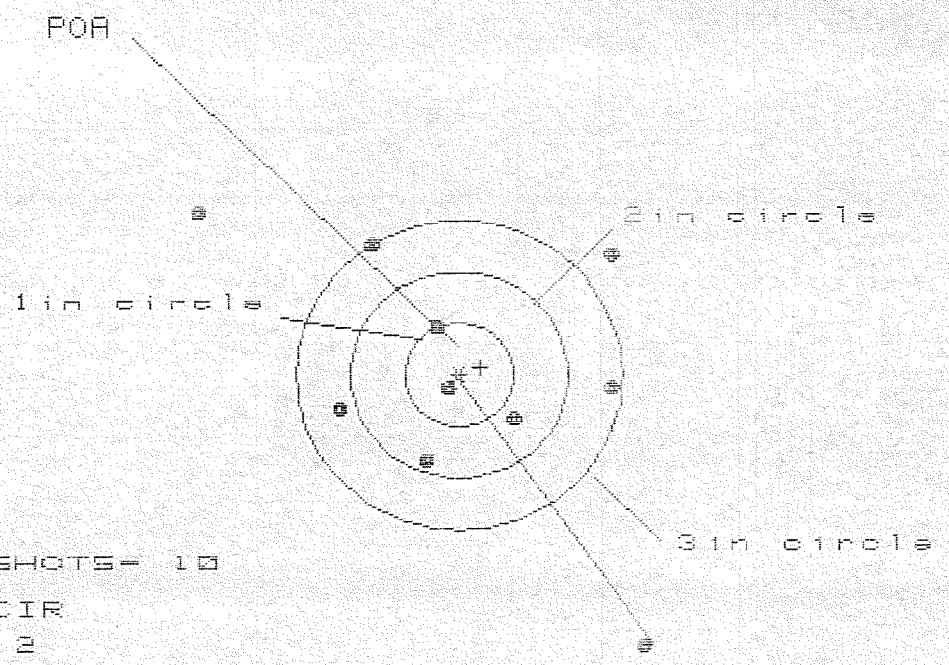
THE AMR FOR THIS RIFLE IS: 1.352



PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.690	2.187	1.915
MINIMUM X	:	-2.479	-2.180	-1.351
MAXIMUM Y	:	1.478	1.420	1.478
MINIMUM Y	:	-.996	-1.054	-.996
CENTROID X	:	.267	-.032	.240
CENTROID Y	:	-.888	-.830	-.888
POA TO CENTROID in.	:	.927	.831	.920
MIN RADIUS	:	.784	.626	.771
MEAN RADIUS	:	1.633	1.463	1.380
MAX RADIUS	:	2.741	2.389	2.117
HORIZONTAL SPREAD	:	5.169	4.367	3.266
VERTICAL SPREAD	:	2.474	2.474	2.474
EXTREME SPREAD	:	5.274	4.593	3.543
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		1	
NUMBER IN THREE INCH CIRCLE	=		5	

5 Mar 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C63491B0

CENTERFIRE PATTERNS # 2

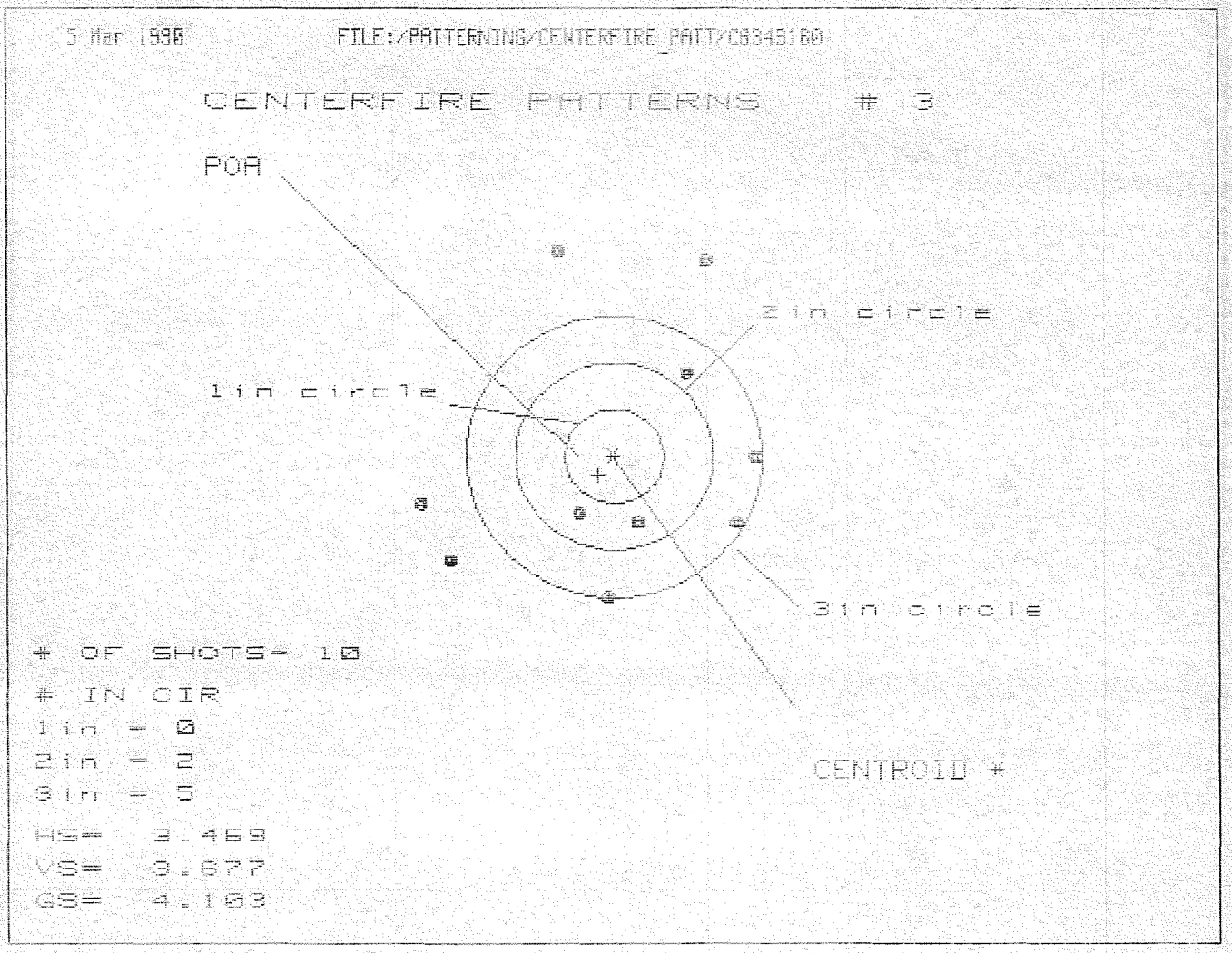


OF SHOTS= 10

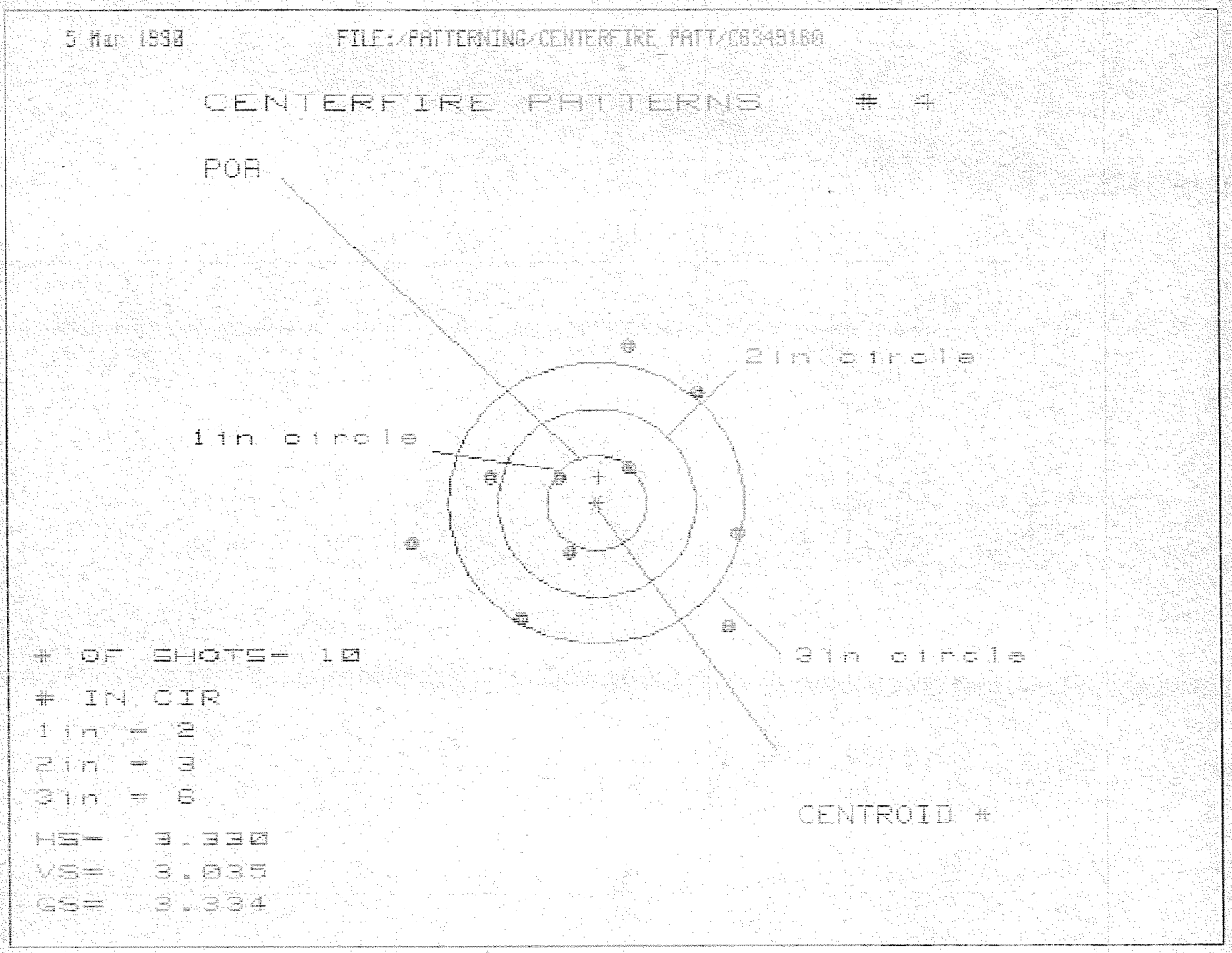
# IN CIR
1in = 2
2in = 4
3in = 6

HS= 4.073
VS= 4.195
GS= 5.847

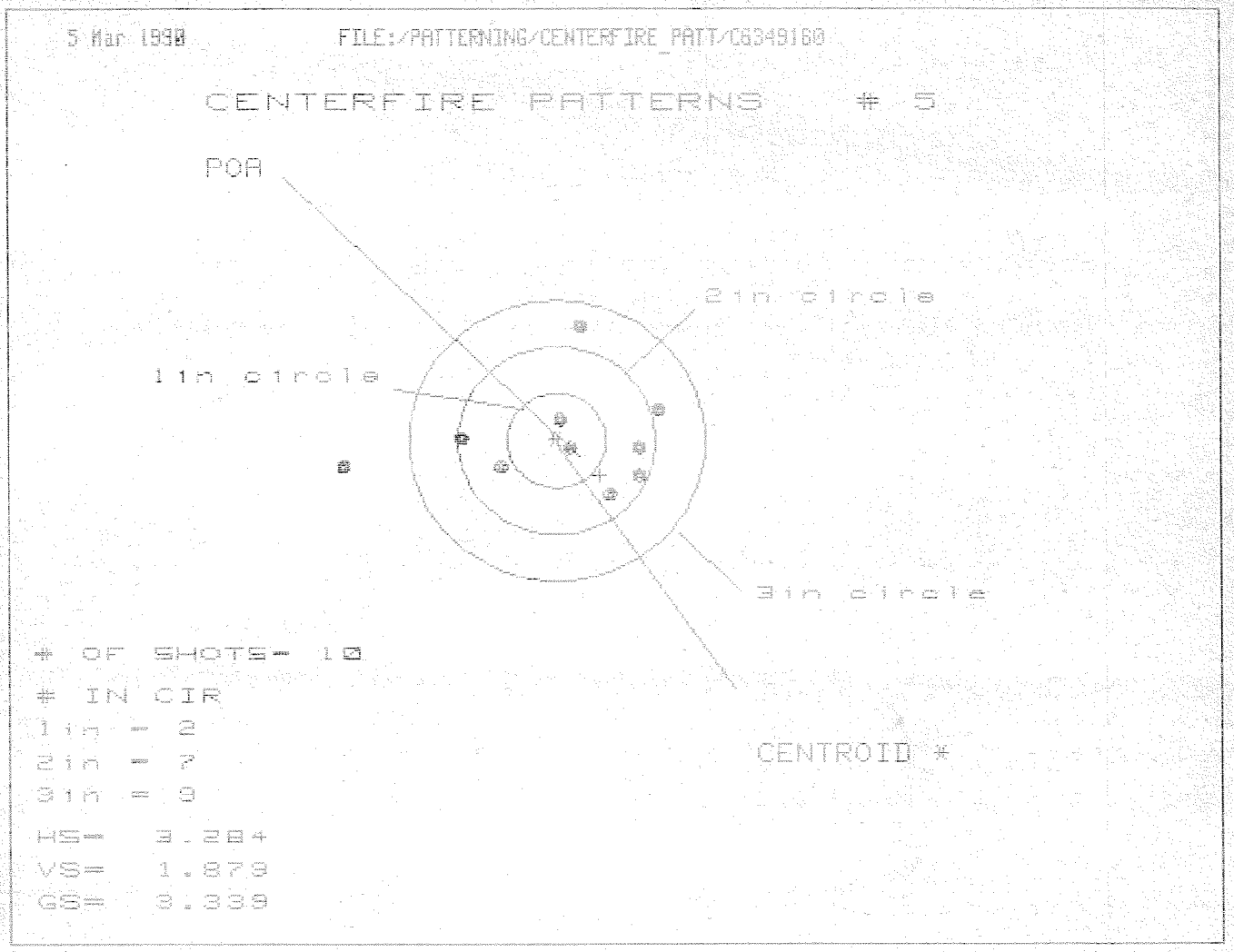
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.656	1.603	1.324
MINIMUM X	:	-2.417	-2.233	-1.212
MAXIMUM Y	:	1.533	1.287	1.147
MINIMUM Y	:	-2.662	-1.116	-.961
CENTROID X	:	-.197	-.381	-.102
CENTROID Y	:	-.071	.225	.070
POA TO CENTROID in.	:	.210	.443	.124
MIN RADIUS	:	.163	.149	.331
MEAN RADIUS	:	1.413	1.222	1.035
MAX RADIUS	:	3.135	2.553	1.671
HORIZONTAL SPREAD	:	4.073	3.836	2.536
VERTICAL SPREAD	:	4.195	2.353	2.100
EXTREME SPREAD	:	5.847	4.170	2.920
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.455	1.560	1.506
MINIMUM X	:	-2.014	-1.909	-1.963
MAXIMUM Y	:	2.162	2.398	1.391
MINIMUM Y	:	-1.515	-1.279	-.980
CENTROID X	:	.166	.061	.115
CENTROID Y	:	.200	-.036	-.335
POA TO CENTROID in.	:	.260	.071	.355
MIN RADIUS	:	.684	.429	.309
MEAN RADIUS	:	1.551	1.417	1.216
MAX RADIUS	:	2.323	2.437	1.963
HORIZONTAL SPREAD	:	3.469	3.469	3.469
VERTICAL SPREAD	:	3.677	3.677	2.371
EXTREME SPREAD	:	4.103	3.703	3.502
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		5	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.422	1.210	1.348
MINIMUM X	:	-1.908	-1.276	-1.139
MAXIMUM Y	:	1.724	1.674	1.504
MINIMUM Y	:	-1.311	-1.361	-1.421
CENTROID X	:	-.023	.189	.051
CENTROID Y	:	-.275	-.225	-.055
POA TO CENTROID in.	:	.276	.294	.075
MIN RADIUS	:	.427	.356	.278
MEAN RADIUS	:	1.259	1.182	1.076
MAX RADIUS	:	1.961	1.751	1.633
HORIZONTAL SPREAD	:	3.330	2.486	2.486
VERTICAL SPREAD	:	3.035	3.035	2.925
EXTREME SPREAD	:	3.334	3.190	3.112
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.079	.834	.832
MINIMUM X	:	-2.205	-1.165	-1.167
MAXIMUM Y	:	1.259	1.224	.409
MINIMUM Y	:	-.620	-.655	-.502
CENTROID X	:	-.431	-.189	-.187
CENTROID Y	:	.372	.487	.254
POA TO CENTROID in.	:	.572	.449	.316
MIN RADIUS	:	.152	.196	.139
MEAN RADIUS	:	.906	.731	.652
MAX RADIUS	:	2.227	1.224	1.179
HORIZONTAL SPREAD	:	3.284	1.999	1.999
VERTICAL SPREAD	:	1.879	1.879	.911
EXTREME SPREAD	:	3.339	2.018	2.018
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

BARBER - M24 0109068

RECEIVING AND ESTIMATING REPORT

ORDER R 93-10803

INITIAL	CUSTOMER ORDER NO.	COMMENTS
EPS		WOG 1 OF 3 FRED MARTIN/M24 SNIPER W/10X-M3A SCOPE W/BI POD

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
04/28/93	04/28/93	XJ 12-89	C6349160		700 7.62 NATO

ACCESSORIES: SOFT CASE SCOPE MNTS SCOPE BASE W/STUDS

FROM:

DEPARTMENT OF THE ARMY
USASCH DOL
STOR BR, BLDG 2131
SCHO BKS HI 96857

SHIP TO:

DEPARTMENT OF THE ARMY
USASCH DOL
STOR BR, BLDG 2131
SCHO BKS HI 96857

CUST NO:078579 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: Barrel Replacement

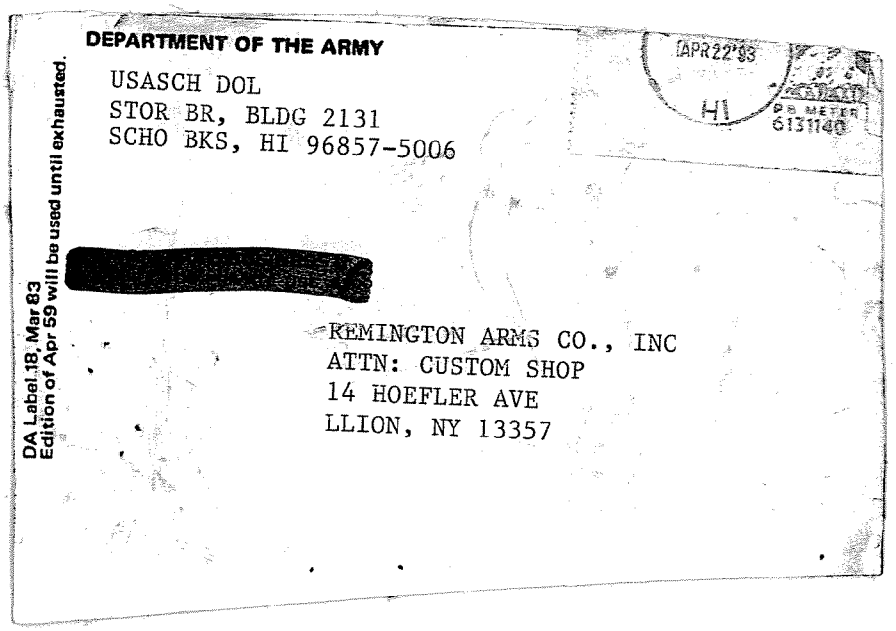
PARTS: Barrel ASSY – 96002
Soft Rifle Carrying Case – 96076

COMMENTS: Re Zinc – Scope Rings, Scope Base & Swivel Studs
Re-powder Coat – Floor Plate Inlet, Trigger Guard, Front & Rear Sight Bases

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
RW	✓	✓	✓	—	
GALLERY TESTER	**DATE**	**DATE**	**DATE**	**DATE**	**DATE**
RW	5/4/93	5/18/93	5/18/93	5/18/93	

OFFICE COPY

RD6925 REV. 1/92



DEPARTMENT OF THE ARMY

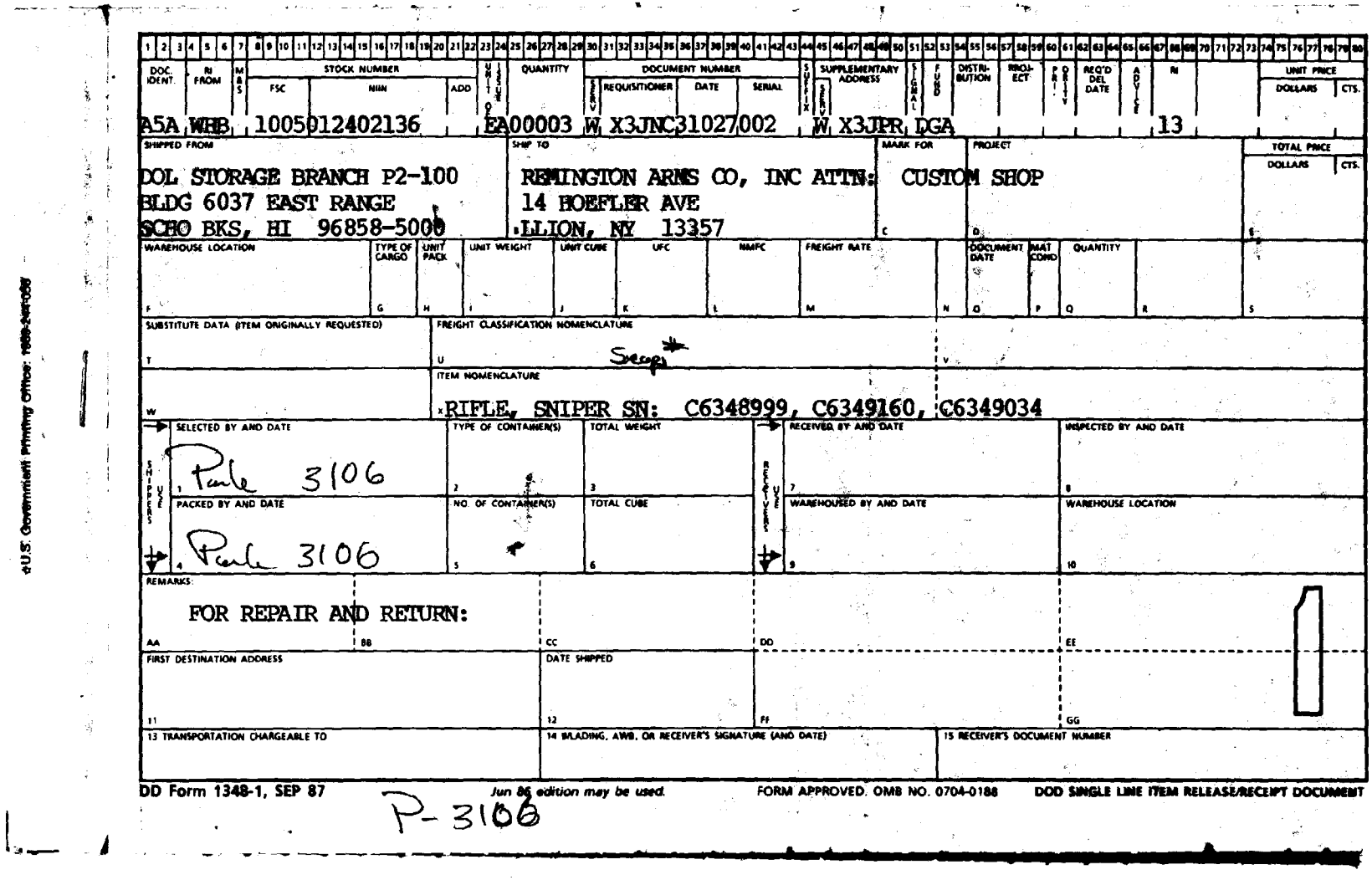
USASCH DOL
STOR BR, BLDG 2131
SCHO BKS, HI 96857-5006

APR22'93
HI
PB METER
6131140

[redacted]

REMINGTON ARMS CO., INC
ATTN: CUSTOM SHOP
14 HOEFLER AVE
LLION, NY 13357

DA Label 18, Mar 83
Edition of Apr 59 will be used until exhausted.



DOC. IDENT.	FROM	M&S	STOCK NUMBER: FSC	NIIN	ADD	UNIT OF ISSUE	QUANTITY	DOCUMENT NUMBER: SUFFIX	REQUISITIONER	DATE	SERIAL	SUFFIX	SUPPLEMENTARY ADDRESS	SIGNAL	FUND	DISTRIBUTION	PROJECT	PRIORITY	REQ'D DEL DATE	ADVICE	N	UNIT PRICE: DOLLARS	CTS.
A5A	WHB		1005012402136			EA	00003	W	X3JNC	31027	002	W	X3JPR	DGA							13		

SHIPPED FROM	SHIP TO	MARK FOR	PROJECT	TOTAL PRICE: DOLLARS	CTS.
DOL STORAGE BRANCH P2-100 BLDG 6037 EAST RANGE SCHO BKS, HI 96858-5000	REMINGTON ARMS CO, INC ATTN: 14 HOEFLER AVE ILION, NY 13357	CUSTOM SHOP			

WAREHOUSE LOCATION	TYPE OF CARGO	UNIT PACK	UNIT WEIGHT	UNIT CUBE	UFC	NMFC	FREIGHT RATE		DOCUMENT DATE	MAT COND	QUANTITY		
F	G	H	I	J	K	L	M	N	O	P	Q	R	S

SUBSTITUTE DATA (ITEM ORIGINALLY REQUESTED)	FREIGHT CLASSIFICATION NOMENCLATURE	
T	U Sniper	V

	ITEM NOMENCLATURE
W	RIFLE, SNIPER SN: C6348999, C6349160, C6349034

SHIPPER USE	SELECTED BY AND DATE	TYPE OF CONTAINER(S)	TOTAL WEIGHT	RECEIVER USE	RECEIVED BY AND DATE	INSPECTED BY AND DATE
	1 Poole 3106	2	3		7	8
	PACKED BY AND DATE	NO. OF CONTAINER(S)	TOTAL CUBE		WAREHOUSED BY AND DATE	WAREHOUSE LOCATION
	4 Poole 3106	5	6		9	10

REMARKS:

FOR REPAIR AND RETURN:

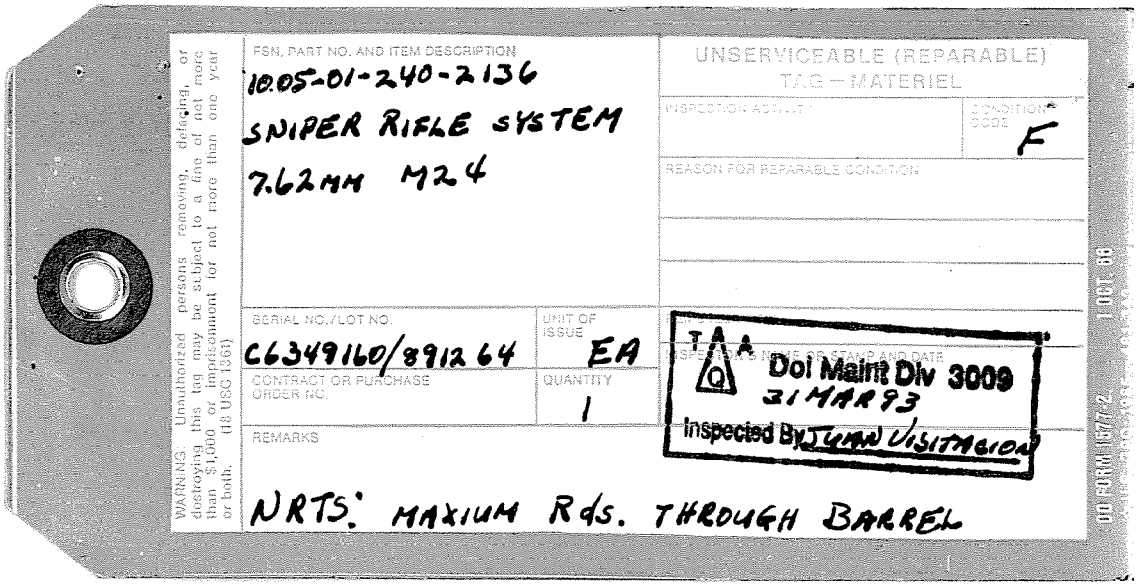
AA BB CC DD EE

FIRST DESTINATION ADDRESS	DATE SHIPPED		
11	12	FF	GG

13 TRANSPORTATION CHARGEABLE TO	14 BLADING, AWB, OR RECEIVER'S SIGNATURE (AND DATE)	15 RECEIVER'S DOCUMENT NUMBER

DD Form 1348-1, SEP 87 *Jun 86 edition may be used.* FORM APPROVED. OMB NO. 0704-0188 DOD SINGLE LINE ITEM RELEASE/RECEIPT DOCUMENT

P-3106


WARNING: Unauthorized persons removing, defacing, or destroying this tag may be subject to a fine of not more than $1,000 or imprisonment for not more than one year or both. (18 USC 1361)
FSN, PART NO. AND ITEM DESCRIPTION
10.05-01-240-2136
SNIPER RIFLE SYSTEM
7.62MM M24
UNSERVICEABLE (REPARABLE)
TAG – MATERIEL
INSPECTION ACTIVITY
CONDITION CODE
F
REASON FOR REPARABLE CONDITION
SERIAL NO./LOT NO.
C6349160/891264
UNIT OF ISSUE
EA
CONTRACT OR PURCHASE ORDER NO.
QUANTITY
1
REMARKS
NRTS: MAXIUM Rds. THROUGH BARREL
Q
Dol Maint Div 3009
31MAR93
Inspected By JOHN VISITACION

.5

DATE: 24-FEB-93 MAINTENANCE REQUEST AWAMF511

CUSTOMER DATA

UIC: WALUAA HHC 1/14TH INF BN PHONE: (808)655-9024
UTIL CODE: O

ACTIVITY DATA

SUP WON: 1763 C CO. 225 FSB PHONE: 655-2679
SUP UIC: WHOBCO SHOP SEC: B

EQUIPMENT DATA

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

NOUN: 7.62MM SNIPER SYSTEM SER NUM: C4349160/891244 QTY: 00001

ORG WON: ALUAA1300747 PRIORITY: 03/13 FAILURE DETECTED: F

MI/KM: 000000 HOURS: 000000 ROUNDS:

IN WARRANTY: N LEVEL OF WORK: F ADMIN NUM:

MALFUNCTION/REMARKS: BARREL SCRATCHES/

PD AUTHENTICATING SIGNATURE: [signature]

SIGNATURE DATA

SUBMITTED BY: [signature] ORD DATE: 93075 MIL TIME:

ACCEPTED BY: [signature] STATUS: ORD DATE: 93075 MIL TIME:

ACTION DATA

WORK STARTED BY: [signature] STATUS: B ORD DATE: 93095 MIL TIME:

INSPECTED BY [signature] STATUS: R ORD DATE: 93095 MIL TIME:

PICKED UP BY: [signature] STATUS: U ORD DATE: 93097 MIL TIME:

COMPLETION DATA

QTY RPR: QTY CONDEMNED: NRTS:

EVAC WON: EVAC UNIT NAME:

1763

MAINTENANCE REQUEST

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

PAGE OF

REQUIREMENTS CONTROL SYMBOL CSGLD - 1047

CONTROL NUMBER

SECTION I - CUSTOMER DATA

1a. WORK ORDER NO. 1761
b. CUSTOMER UNIT NAME
c. PHONE NO.

2. If Intransit Customer, enter data in Blocks 2a and 2b
2a. SAMS-2 UIC
b. UTILIZATION CODE

SECTION II - MAINTENANCE ACTIVITY DATA

3a. WORK ORDER NO (WON) 3069361
b. SHOP
c. PHONE NO.

4a. UIC SUPPORT
b. SUPPORT UNIT NAME

SECTION III - EQUIPMENT DATA

5. ID
6. NSN 1005014042176
7. TYPE MNT. REQ. CODE
8. MODEL M24
9. NOUN M24 SNIPER SYSTEM
10a. ORG WON
b. EIC
11. SERIAL NUMBER
b. QTY. 01
13. PD

15. 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
I Calibration

16a. MILES/KILOMETERS (Enter or x) MI KM
b. HOURS
c. ROUNDS
d. LANDINGS
e AUTO ROTATIONS
17. PROJ. CODE (If Assigned)
18. ACCT. PROCESSING CODE

19. IN WARRANTY? (Y or N)
20. LEVEL OF WORK (Select one - use / or X)
O Unit Level | H Intermediate General Spt. | I Special Repair Activity
F Immediate Direct Spt. | D Depot

21. BUMPER NO./TAIL NO.
22. REIMBURSABLE CUSTOMER? (If Intransit Customer, enter Y or N)
23. PD AUTHENTICATION SIGNATURE (Payroll Signature)

24. Describe Deficiencies or Symptoms on the basis of Complete Checkout and Diagnostic Procedure in Equipment TM (Do not prescribe repairs.)

TI FOR TURN-IN

SECTION IV - REPORTABLE DATA

25a STA	b ORD DATE	c MIL TIME	a STA	b ORD DATE	c MIL TIME	26. TECHNICAL REFERENCES

SECTION V - TASK REQUIREMENTS DATA

27a. FILE IN-PUT CD.	b TASK NO.	c ACT. RQD.	d. TASK DESCRIPTION	e QTY. TO BE RPR	f WORK CENTER	g FAILURE CODE	h MH RMN/PROJ
		F	Sniper System				.5
		6	Sniper System	01	KMT	070	1.5

2.0

SECTION VI - PART REQUIREMENTS

28a. FILE IN-PUT CD.	b TASK NO.	c ID	d. RQD NSN OR PART NO.	e SFX CD	f QTY. REQUIRED	g QTY. ISSUED	h NM CS	i FAILURE CODE	j STORAGE LOCATION	k NOUN/ INIT.

SECTION VII - COMPLETION DATA

29. QTY. RPR 00
30. QTY. CONDEMN. 01
31. QTY. NRTS
32. EVAC WON
33. EVAC UNIT NAME

SECTION VIII - ACTION SIGNATURES

34a SUBMITTED BY	35a ACCEPTED BY			36a WORK STARTED BY			37a INSPECTED BY			38a PICKED UP BY		
[signature]	[signature]			[signature]			[signature]			[signature]		
b ORD DATE	b. ST	c ORD DATE	d. MIL TIME	b. ST	c ORD DATE	d. MIL TIME	b. ST	c ORD DATE	d. MIL TIME	b. ST	c ORD DATE	d. MIL TIME
								93092			93095	

DA FORM 5504, SEP 88 — DA FORM 5504, APR 87 MAY BE USED — COPY 3

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
C 225 MSB	7.62mm Sniper System.

3. REGISTRATION/SERIAL/NSN	4a. MILES	b. HOURS	c. ROUNDS FIRED	d. HOT STARTS	5. DATE	6. TYPE INSPECTION
L63491601891264					18 MAR 93	T, I

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 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
SGT [illegible]				

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

DA FORM 2404 1 APR 79 — 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.GPO:1987-0-176-316

M-24

Scope # 1264

GFM

CONTRACT # DAAA21-87-C-0086

New Barrel

GUN SERIAL # C6349160

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/4/93	RW
600	Proof		5/4/93	RW
607	Check Headspace		5/4/93	RW
610	Dis-assemble Gun		5/4/93	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		5/13/93	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/13/93	RW
	C) Inspect Ejector Hole for Chamfer		5/13/93	RW
	D) Oil Firing Pin Ass'y			
	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			
	A) Time			
	B) Malfunctions			
	C) Pierced Primers			
	D) Optical Clearity of Scope			
645	Inspect for Live Ammo		5/18/93	RW
655	Final Inspection A) Headspace		5/18/93	RW
	B) Trigger Pull			
	C) Function		5/18/93	RW
660	Pack			

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349160
21 May 1993

CENTROIDAL DISTANCES

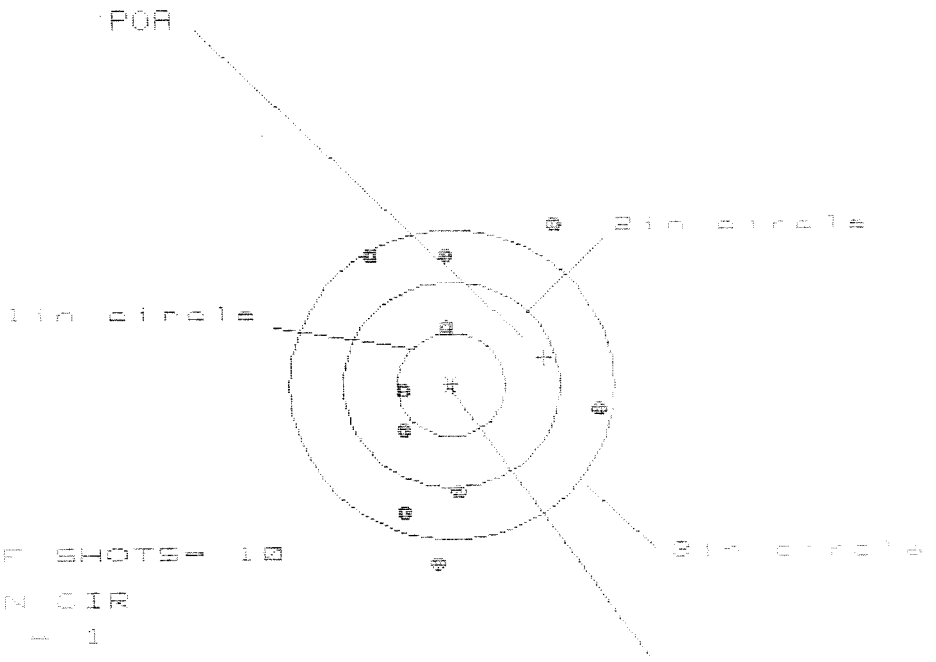
0	TO	1	.895863
1	TO	2	.692407
1	TO	3	.308561
1	TO	4	1.43254
1	TO	5	1.58817

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2644
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0504
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .26916

THE AMR FOR THIS RIFLE IS: .9862

21 May 1993 FILE:/PATTERNING/CENTERFIRE_PATT/CB3M9108

CENTERFIRE PATTERNS # 1

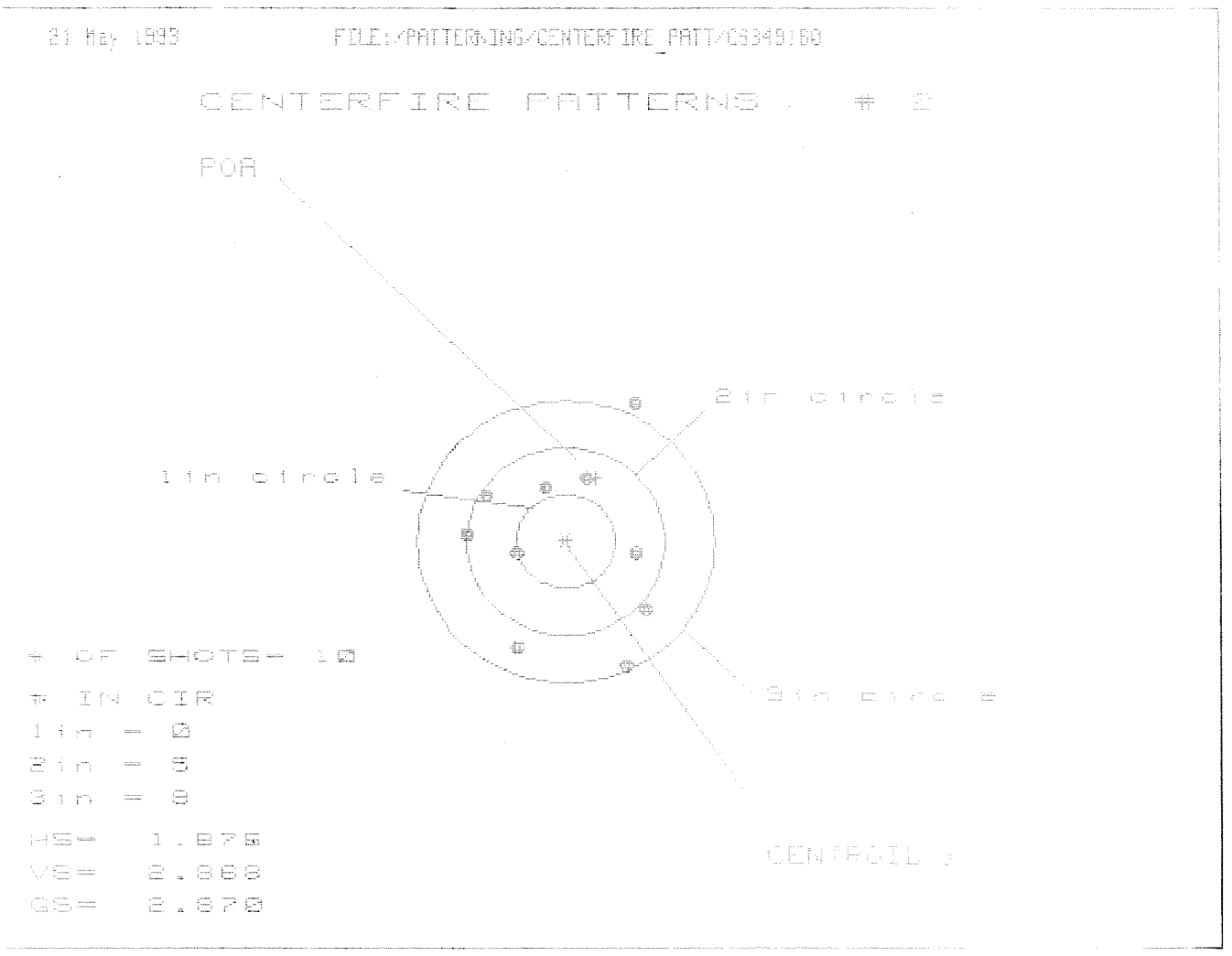


OF SHOTS= 10

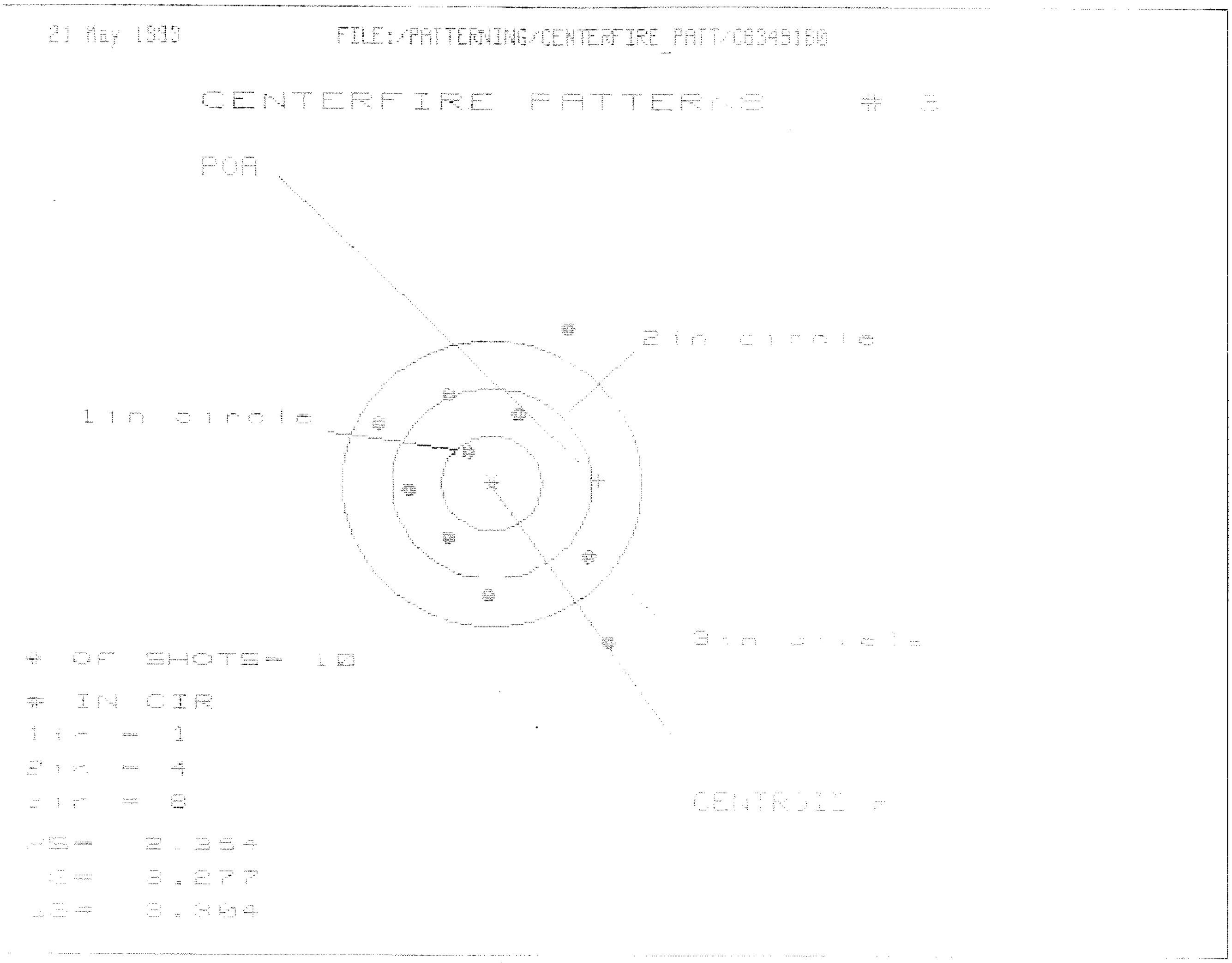
IN CIR
1 in = 1
2 in = 3
3 in = 8

HS= 2.065
VS= 3.257
GS= 3.426

PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.333	1.434	1.427
MINIMUM X	:	-.732	-.631	-.638
MAXIMUM Y	:	1.550	1.477	1.296
MINIMUM Y	:	-1.707	-1.535	-1.210
CENTROID X	:	-.857	-.958	-.951
CENTROID Y	:	-.261	-.433	-.242
# TO CENTROID in.	:	.896	1.051	.981
MIN RADIUS	:	.415	.349	.322
MEAN RADIUS	:	1.143	1.041	.973
MAX RADIUS	:	1.797	1.535	1.444
HORIZONTAL SPREAD	:	2.065	2.065	2.065
VERTICAL SPREAD	:	3.257	3.012	2.496
EXTREME SPREAD	:	3.426	3.013	2.525
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.802	.902	.991
MINIMUM X	:	-1.644	-.958	-.885
MAXIMUM Y	:	1.518	.890	.748
MINIMUM Y	:	-1.350	-1.182	-1.056
CENTROID X	:	-.305	-.381	-.464
CENTROID Y	:	-.679	-.847	-.700
POA TO CENTROID in.	:	.744	.929	.839
MIN RADIUS	:	.551	.471	.392
MEAN RADIUS	:	1.007	.931	.845
MAX RADIUS	:	1.664	1.355	1.197
HORIZONTAL SPREAD	:	1.876	1.876	1.876
VERTICAL SPREAD	:	2.868	2.072	1.932
EXTREME SPREAD	:	2.870	2.266	2.048
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

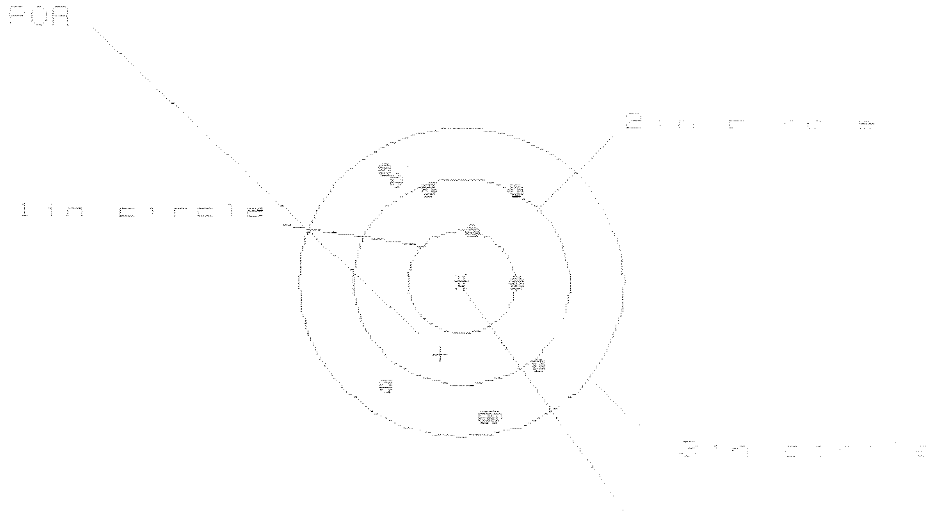


PATTERN #	:	[illegible]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.178	1.080	1.191
MINIMUM X	:	-1.176	-1.045	-.934
MAXIMUM Y	:	1.640	1.458	.933
MINIMUM Y	:	-1.637	-1.356	-1.173
CENTROID [illegible]	:	-1.066	-1.137	-1.308
CENTROID [illegible]	:	-.034	.148	-.035
POA TO CENTROID in.	:	1.066	1.206	1.306
MIN RADIUS	:	.425	.202	.332
MEAN RADIUS	:	1.139	.994	.895
MAX RADIUS	:	2.017	1.708	1.437
HORIZONTAL SPREAD	:	2.354	2.125	2.125
VERTICAL SPREAD	:	3.277	2.814	2.106
EXTREME SPREAD	:	3.304	2.913	2.568

NUMBER IN ONE INCH CIRCLE = 1
NUMBER IN TWO INCH CIRCLE = 4
NUMBER IN THREE INCH CIRCLE = 8

21 May 1993 FILE:/PATTERNING/CENTERFIRE_PATT/

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 3

3 in = 10

HS= 1.468

VS= 2.390

ES= 2.551

ENTR 10 #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.725	.741	.788
MINIMUM X	:	-.743	-.725	-.685
MAXIMUM Y	:	1.056	.908	.728
MINIMUM Y	:	-1.334	-1.440	-1.336
CENTROID X	:	.199	.181	[illegible]
CENTROID Y	:	.707	.855	[illegible]
POA TO CENTROID in.	:	.734	.874	1.044
MIN RADIUS	:	.522	.385	.252
MEAN RADIUS	:	1.054	.995	[illegible]
MAX RADIUS	:	1.344	1.475	1.501
HORIZONTAL SPREAD	:	1.468	1.468	1.468
VERTICAL SPREAD	:	2.390	2.348	2.064
EXTREME SPREAD	:	2.551	2.551	2.323

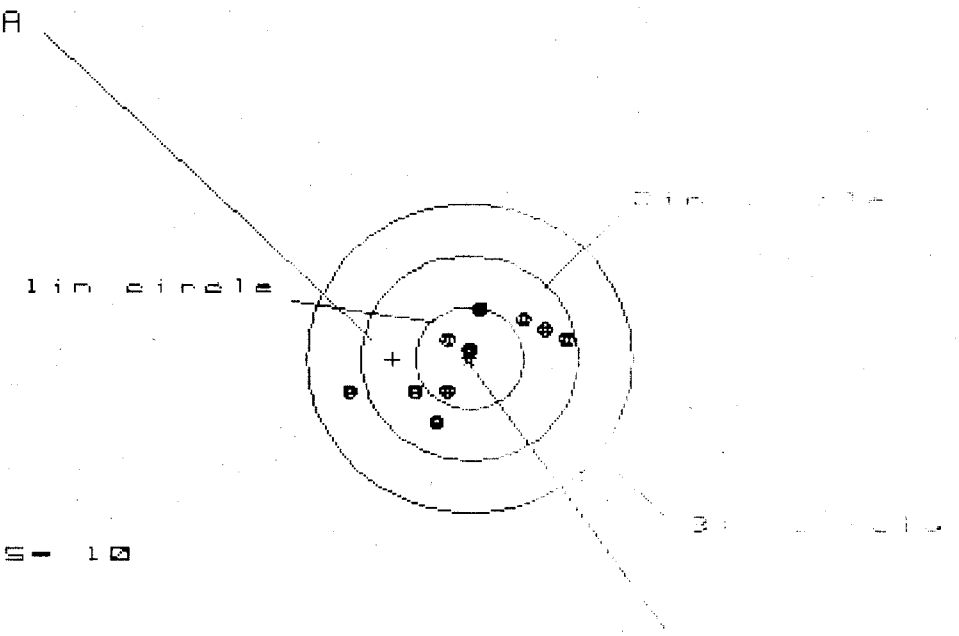
NUMBER IN ONE INCH CIRCLE = 0

NUMBER IN TWO INCH CIRCLE = 3

NUMBER IN THREE INCH CIRCLE = 10

21 May 1993 FILE:/PATTERNING/CENTERFIRE_PATT/CS345160

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 9

3 in = 10

HS= 2.029

VS= 1.089

GS= 2.086

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.939	.818	.693
MINIMUM X	:	-1.090	-.617	-.515
MAXIMUM Y	:	.474	.436	.450
MINIMUM Y	:	-.615	-.653	-.639
CENTROID X	:	.707	.828	.726
CENTROID Y	:	.015	.053	.040
POA TO CENTROID in.	:	.707	.830	.727
MIN RADIUS	:	.062	.086	.031
MEAN RADIUS	:	.588	.528	.470
MAX RADIUS	:	1.142	.825	.724
HORIZONTAL SPREAD	:	2.029	1.435	1.148
VERTICAL SPREAD	:	1.089	1.089	1.089
EXTREME SPREAD	:	2.086	1.493	1.311
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	