C6523299

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Army 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: RE00087064
Verify Repair

Serial: C65233299 Model M24 SWS Center Fire
Caliber 7.62 NATO

Repairman:
Status: Closed 10/27/2004 9:30:12 AM

Address Information

	Customer: (Received From)	Return To: (Received From)
Name:	ELECTRONIC MAIN SHOP GSC 10TH DIV	ELECTRONIC MAIN SHOP GSC 10TH DIV
Address 1:	ATTN MSG BARTRON SPC LAUBAUGH	ATTN MSG BARTRON SPC LAUBAUGH
Address 2:	BLDG 7426 RM 203 BAD TOELZ PO Box:	BLDG 7426 RM 203 BAD TOELZ PO Box:
City:	FORT CARSON	FORT CARSON
State:	CO Zip Code: 80913 Country: US	State: CO Zip Code: 80913 Country: US

FFL:

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

Contact Information

Phone:
Fax:
Email:
Comments:

Received Condition

Good
Condition Notes:
CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A025	Scope	1
C000	F AND R SGT BASES	1

Repair Search | Refresh | Close

nagleij | 10/27/2004 | 11:59 AM | CAPS | NUM | INS | SCRL

start

Serial Number: C65233299

Model: M24 SWS

RE00087064

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

R & E NUMBER	87064		
SERIAL NUMBER	CC05233299		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-30-04	RTL
560 A	RE-BARREL	11-2-04	RTL
B	DRILL AND TAP	11-4-04	TRW
575	ASSEMBLE	11-2-04	RTL
600	PROOF	11-3-04	RTL
605	CHECK HEADSPACE	11-3-04	RTL
610	DIS-ASSEMBLE GUN	11-4-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	11/5/04	KG
618	ROTO-BLAST	11-6-04	LB
620	APPLY COATINGS	11/9	HP
625 A	FINAL ASSEMBLY	11-15-04	RTL
B	TRIGGER PULL TEST	N/A	N/A
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-16-04	AC
655	FINAL INSPECT	11-17-04	AC
660	PACK	11-17-04	AC
		SHIP DATE	
	QAR INSPECTION DATE		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523299.__0
FILE DATE AND TIME: 11/16/2004 07:44

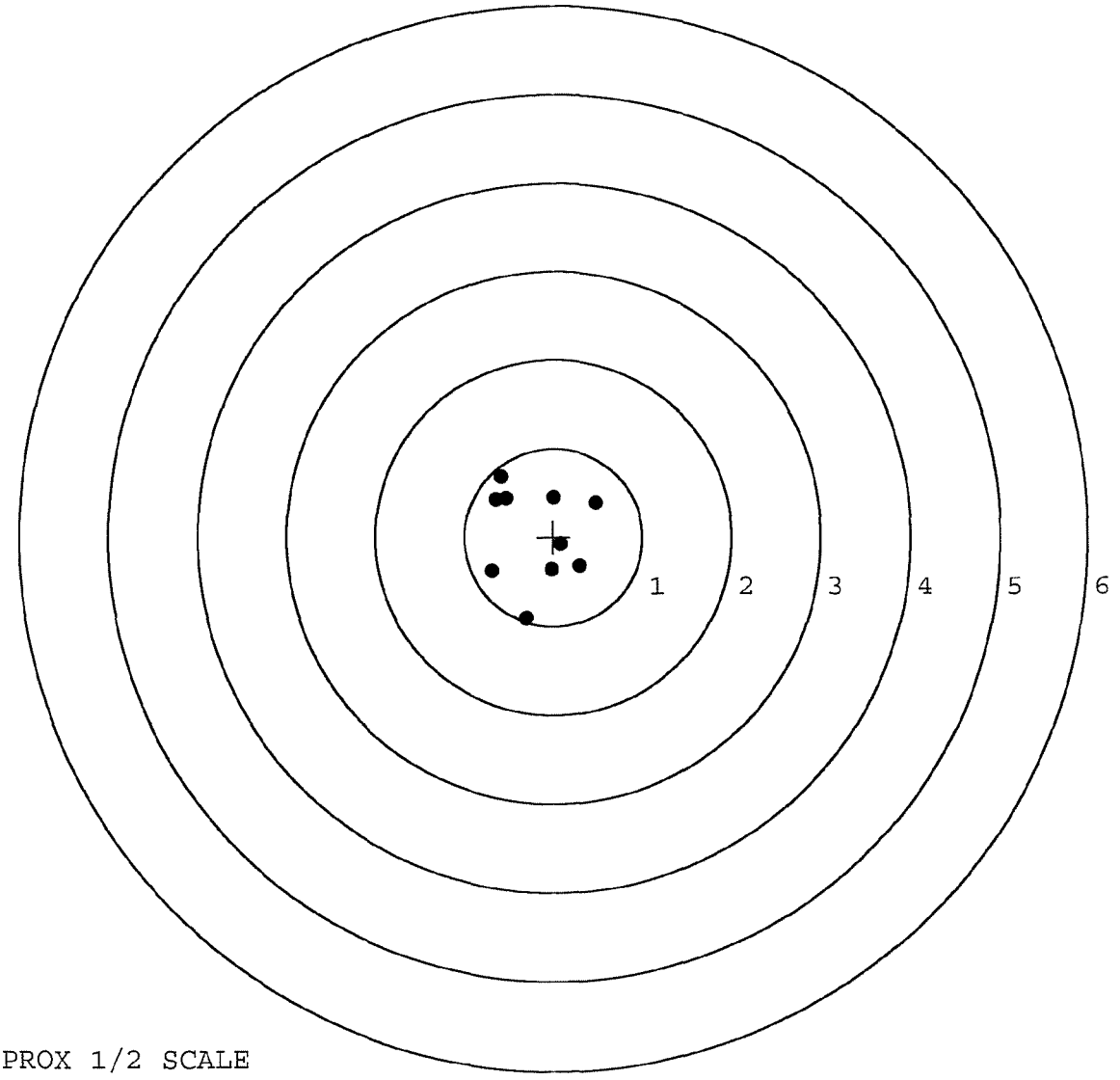
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.038
The Average Y Centroid of the Five Target Set:	0.020
The Average Point of Impact of the Five Target Set:	0.043
The Average Mean Radius of the Five Target Set:	0.680
The Distance from POA to Centroid Target #1:	0.197
The Distance from Centroid Target #2 to Centroid Target #1:	0.234
The Distance from Centroid Target #3 to Centroid Target #1:	0.236
The Distance from Centroid Target #4 to Centroid Target #1:	0.261
The Distance from Centroid Target #5 to Centroid Target #1:	0.489

SERIAL NUMBER: C6523299.__0
TARGET NUMBER: 1
FILE DATE: 11/16/2004
FILE TIME: 07:44

X CENTROID:	-0.195
Y CENTROID:	0.031
POA TO CENTROID:	0.197
HORZ SPREAD:	1.167
VERT SPREAD:	1.604
GROUP SPREAD:	1.629
MIN RADIUS:	0.299
MAX RADIUS:	0.958
MEAN RADIUS:	0.608
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.479	0.387
2:	0.002	0.452
3:	-0.593	0.684
4:	-0.650	0.428
5:	-0.688	-0.383
6:	-0.309	-0.920
7:	0.294	-0.324
8:	-0.023	-0.373
9:	0.080	-0.086
10:	-0.540	0.446

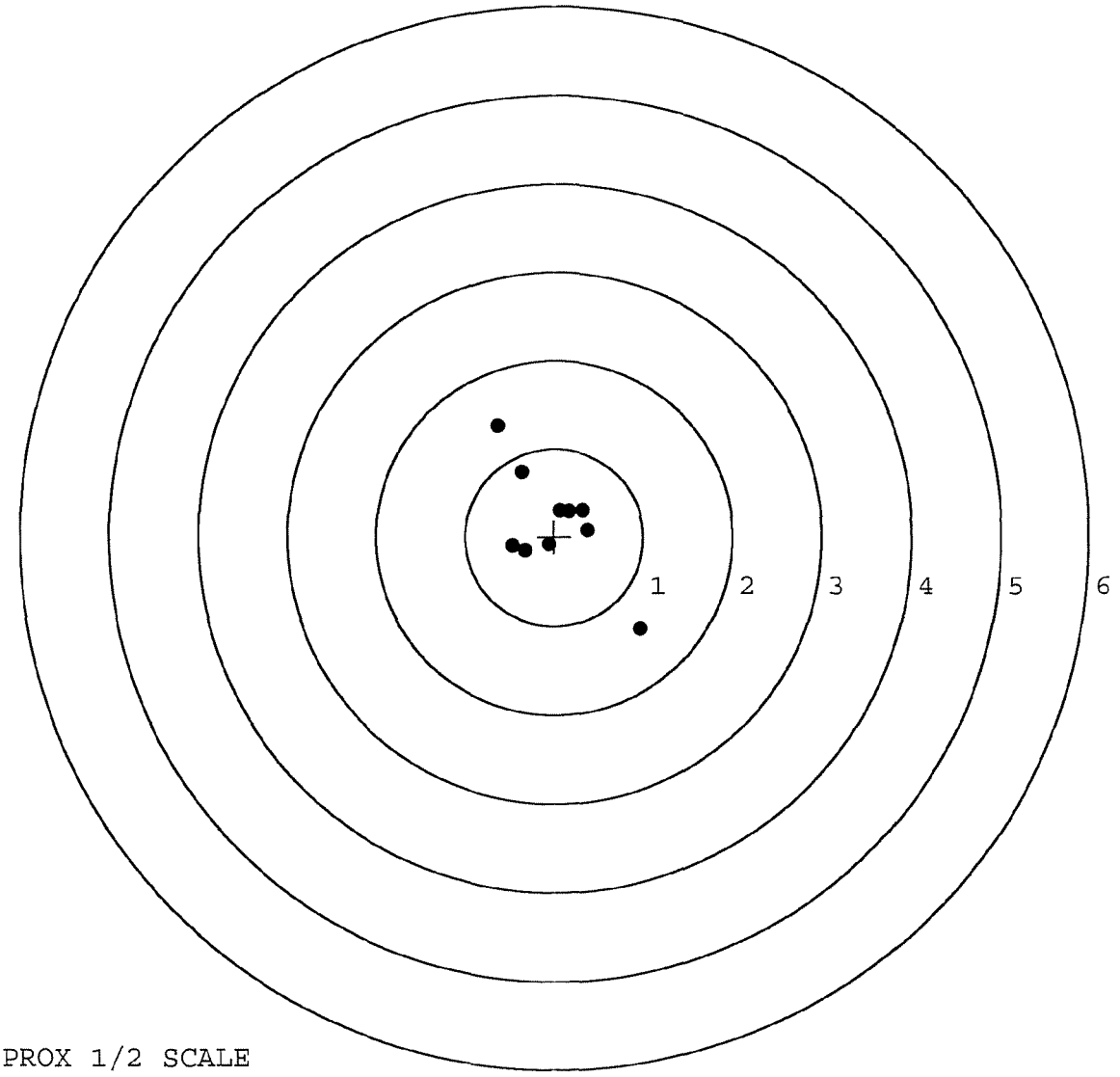


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523299.__0
TARGET NUMBER: 2
FILE DATE: 11/16/2004
FILE TIME: 07:44

X CENTROID:	0.002
Y CENTROID:	0.158
POA TO CENTROID:	0.158
HORZ SPREAD:	1.602
VERT SPREAD:	2.300
GROUP SPREAD:	2.803
MIN RADIUS:	0.153
MAX RADIUS:	1.534
MEAN RADIUS:	0.585
# IN 1 IN DIAMETER:	6
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-0.634	1.266
2:	-0.372	0.738
3:	0.968	-1.034
4:	0.062	0.299
5:	0.319	0.299
6:	0.377	0.079
7:	-0.062	-0.092
8:	-0.473	-0.104
9:	-0.327	-0.157
10:	0.164	0.289

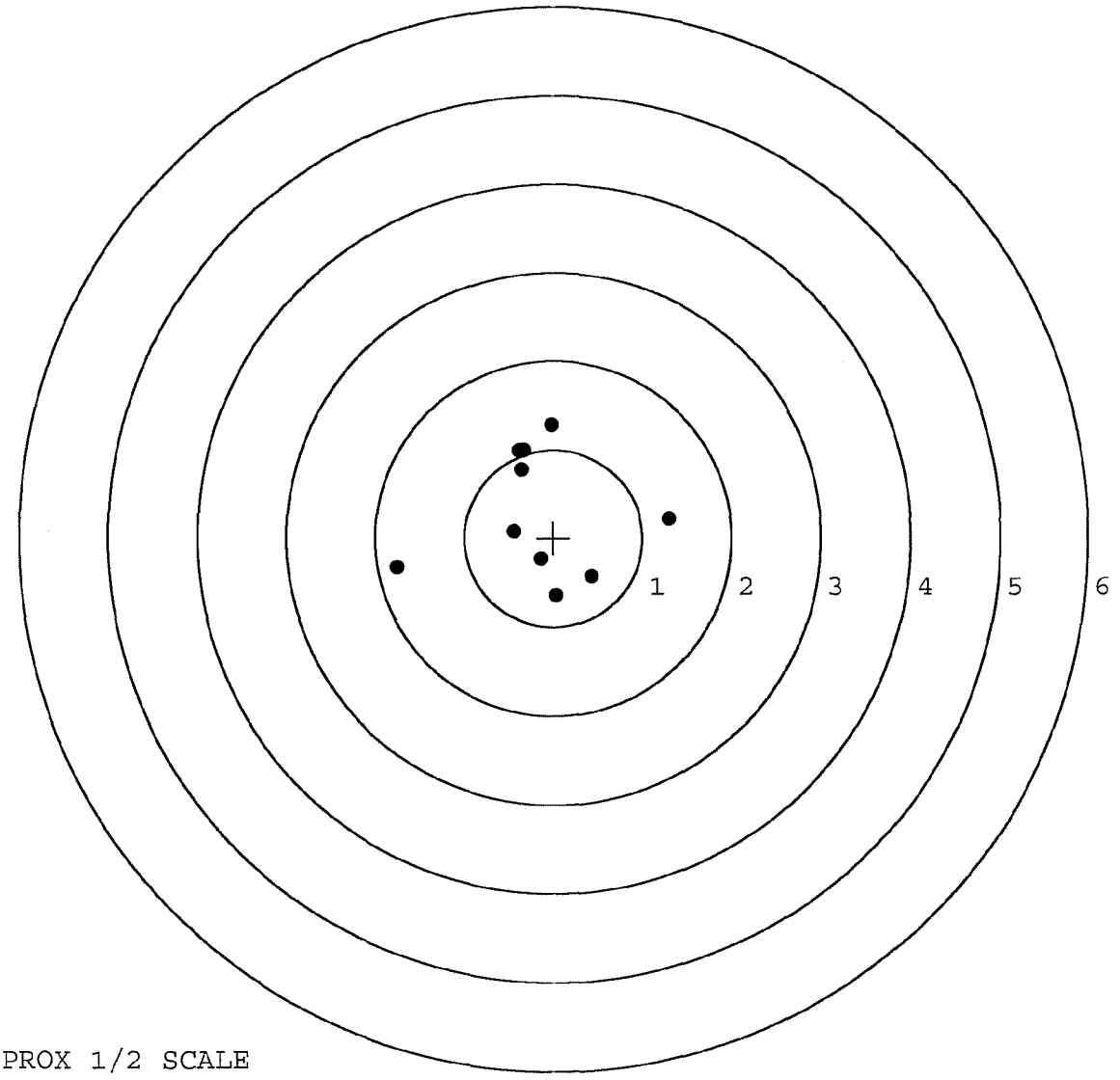


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523299.__0
TARGET NUMBER: 3
FILE DATE: 11/16/2004
FILE TIME: 07:44

X CENTROID:	-0.170
Y CENTROID:	0.266
POA TO CENTROID:	0.315
HORZ SPREAD:	3.064
VERT SPREAD:	1.934
GROUP SPREAD:	3.114
MIN RADIUS:	0.332
MAX RADIUS:	1.701
MEAN RADIUS:	0.897
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-0.024	1.277
2:	-0.387	0.993
3:	-0.365	0.778
4:	-1.759	-0.340
5:	-0.444	0.079
6:	-0.146	-0.246
7:	0.032	-0.657
8:	0.428	-0.439
9:	1.305	0.217
10:	-0.336	0.998

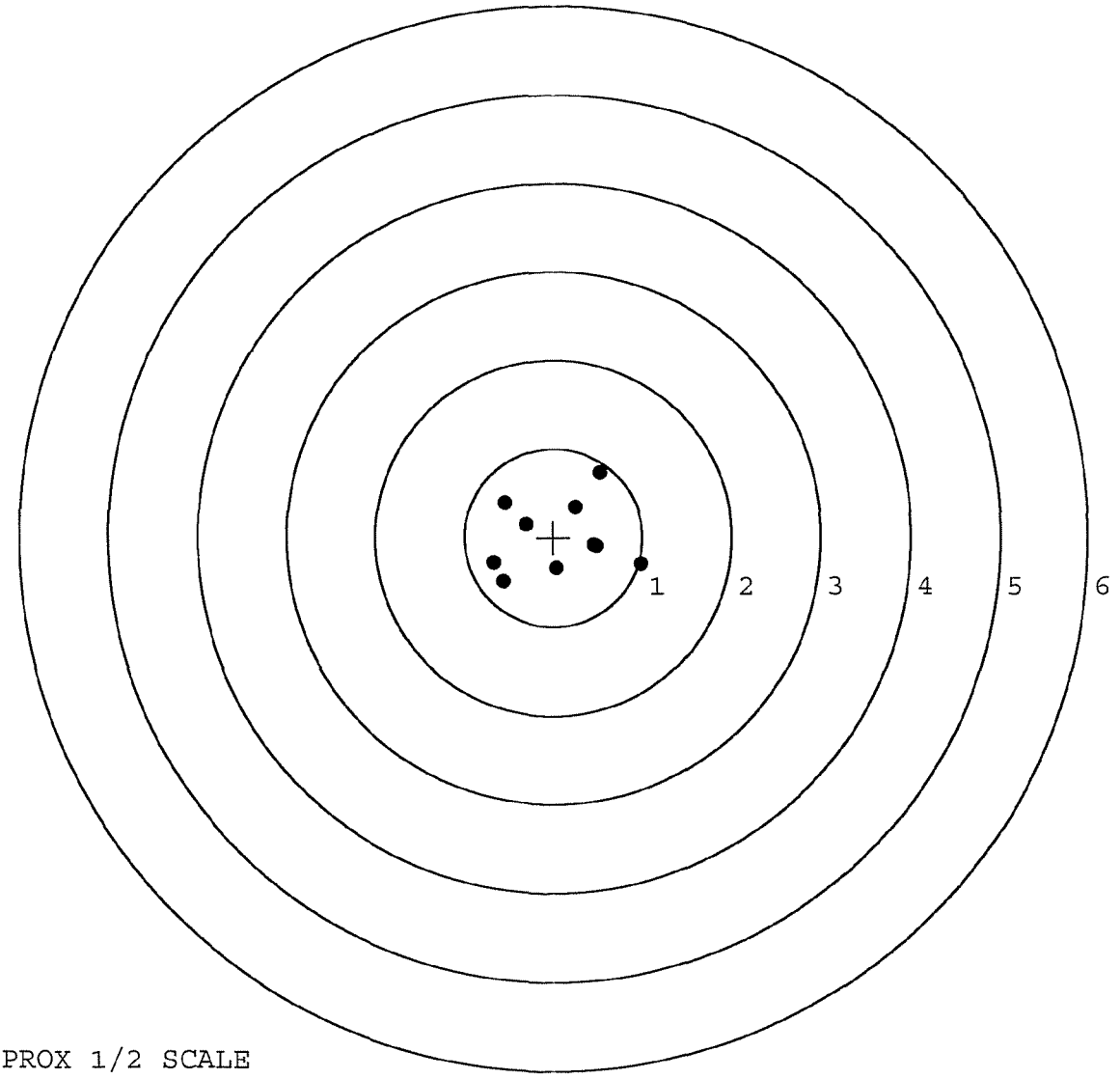


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523299.__0
TARGET NUMBER: 4
FILE DATE: 11/16/2004
FILE TIME: 07:44

X CENTROID:	0.064
Y CENTROID:	-0.004
POA TO CENTROID:	0.064
HORZ SPREAD:	1.651
VERT SPREAD:	1.233
GROUP SPREAD:	1.679
MIN RADIUS:	0.346
MAX RADIUS:	0.966
MEAN RADIUS:	0.612
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.522	0.730
2:	0.241	0.344
3:	0.487	-0.106
4:	0.983	-0.303
5:	-0.547	0.389
6:	-0.311	0.140
7:	0.038	-0.349
8:	-0.564	-0.503
9:	-0.668	-0.291
10:	0.459	-0.089

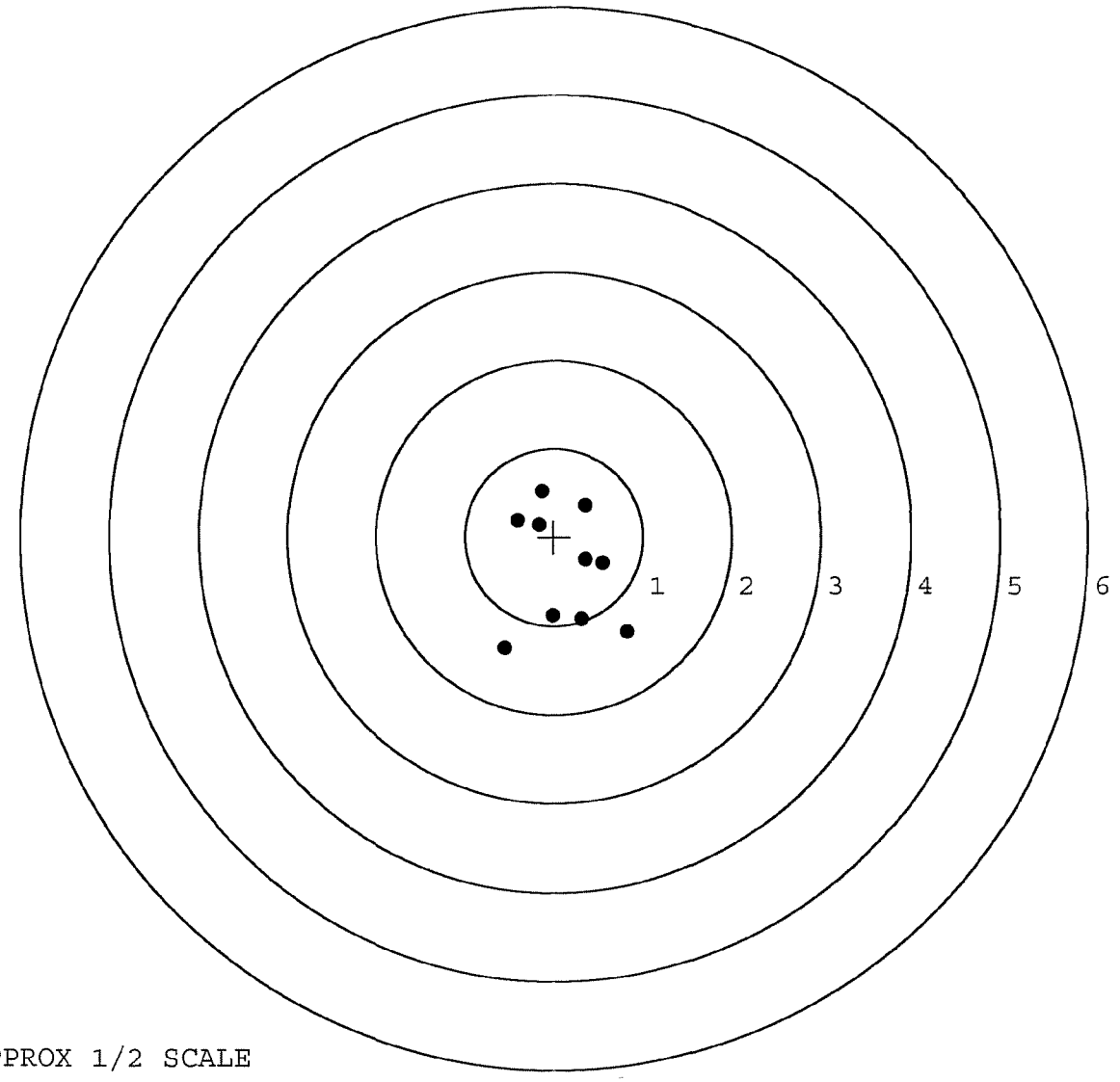


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523299.__0
TARGET NUMBER: 5
FILE DATE: 11/16/2004
FILE TIME: 07:44

X CENTROID:	0.109
Y CENTROID:	-0.351
POA TO CENTROID:	0.368
HORZ SPREAD:	1.381
VERT SPREAD:	1.775
GROUP SPREAD:	1.853
MIN RADIUS:	0.265
MAX RADIUS:	1.127
MEAN RADIUS:	0.698
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.143	0.515
2:	-0.408	0.190
3:	-0.169	0.137
4:	0.347	0.357
5:	0.548	-0.298
6:	0.356	-0.256
7:	0.313	-0.932
8:	-0.017	-0.893
9:	-0.558	-1.260
10:	0.823	-1.073



TARGET APPROX 1/2 SCALE

CEIVING AND ESTIMATING REPORT BARBER M24 0005753

COMMENTS: Check

ORDER R 95-14572

CUSTOMER ORDER NO.

M24 W/ULTRA 10X-M3A SCOPE, DETENTION KIT, PEEP SIGHT, & EXT. MT ASSY. Scope S/N 89 - 1182

RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
/11/95	05/12/95	EK 10-90	C6523299		700 7.62 NATO

SORIES: SLING STRAP W/STUDS W/SWIVELS SOFT CASE HARD CASE W/SCOPE MOUNT, & BASE

DEFENSE DIST. REGION CENTER
DEFENSE DIST. DEPOT RED RIVER
TEXARKANA TX 75507

SHIP TO:
DEFENSE DIST. REGION CENTER
DEFENSE DIST. DEPOT RED RIVER
TEXARKANA TX 75507

CUST NO: 120130 C.D.D.

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

ONDITION
EW
GHTLY WORN
ORN
ERY WORN
NREPAIRABLE
ARRED

REPAIR CHARGE	
EXCISE	
TAX	
INSURANCE	
UPS	
PARCEL POST	
TOTAL	

TOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
E	A1	B1				
GER GROUP		B2			E1	F1
ASSY.		B3			E2	F2
EL ASSY.		B4		D1	E3	F3
ASSY.		B5		D2	E4	F4
D			C1	D3	E5	F5
L			C2			

AULT

Trigger Assy
Front + Rear Sight Assy

COMMENTS

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
			✓		
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
RW			8/23/96		

OFFICE COPY

RD6925 REV. 1/94

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523299
DATE 7-24-96
TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.68	2.61	2.54		MIN. SETTING,
PULL #2	2.68	2.90	2.84		NO AVG. OF 5
PULL #3	2.66	2.76	2.67		READINGS ACCEPT-
PULL #4	2.84	2.39	2.96		ABLE LESS THAN 2#
PULL #5	2.50	2.85	2.92		
TOTAL	13.36	13.51	13.93		
AVG.	2.67	2.70	2.78		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.19		
PULL #2	3.18	3.23		
PULL #3	3.48	3.36		
PULL #4	3.68	3.69		
PULL #5	3.13	3.59		
TOTAL	16.75	17.06		
AVG.	3.35	3.41		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.42	4.48		4.03
PULL #2	4.43	4.58		4.20
PULL #3	4.43	4.22		4.40
PULL #4	4.54	4.01		4.37
PULL #5	4.58	4.35		4.79
TOTAL	22.40	21.64		21.79
AVG.	4.48	4.32		4.35

M-24

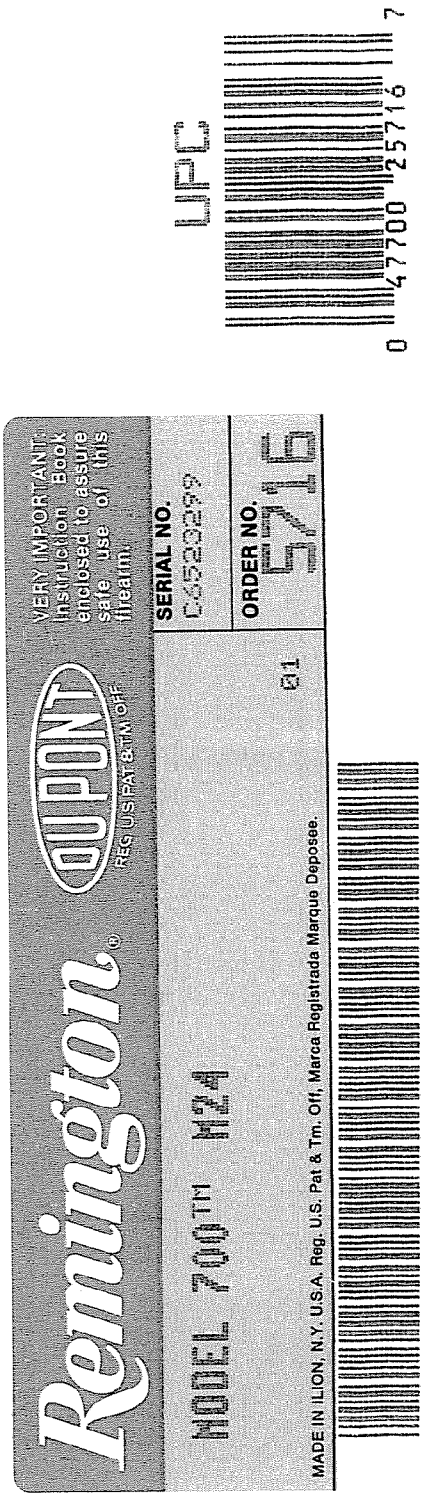
CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
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			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

BARBER - M24 0005756

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	6	5.5	5.5	8/2	SF
	G) Safety Off Force	5.5	4.25	5	8/2	SF
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent	.021	.020	.0205	8/2	SF
	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					
655	Final Inspection A) Headspace					
	B) Trigger Pull	2.39	2.39 2.15	2.15 2.17	8/2	SF
	C) Function					
660	Pack					


Remington
DUPONT
REG. U.S. PAT. & TM. OFF.
VERY IMPORTANT
Instruction Book
enclosed to assure
safe use of this
firearm.
MODEL 700TM M24
SERIAL NO.
C4533299
ORDER NO.
5716
01
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.
5716 C4533299
UPC
0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523299

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 9	90	RW
600	Proof	10 9	90	RW
607	Check Headspace	10 9	90	RW
610	Dis-assemble Gun	10 9	90	RW
612	Magnaflux Barrel Action		10/11/90	KR
	Magnaflux Bolt		10/11/90	KR
615	Rollmark Caliber		10/11/90	GB
617	Drill and Tap Sight Holes		10/11/90	FB
618	Polish Barrel RB		10/12/90	WB
620	Apply Coatings (Barrel Action)		10-12-90	DH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/22/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/22/90	RW
	C) Inspect Ejector Hole for Chamfer		10/22/90	RW
	D) Oil Firing Pin Ass'y		10/22/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-6-90	DH

Op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3	3	3			11/6/90	RW
	G) Safety Off Force	2	2	2			11/6/90	RW
	H) Trigger Pull Test & Retainability						11-6-90	DH
	I) Firing Pin Indent	.021	.0205	.0215			11/6/90	RW
	J) Assemble Stock						11/6/90	RW
	K) Assemble Swivel Studs						11/19/90	WB
	L) Attach Front and Rear Sight Assemblies						11/6/90	RW
	M) Iron Sight Alignment						11/6/90	RW
	N) Detach Front & Rear Sights & place in numbered container						11/6/90	RW
	O) Attach Scope to Rifle						11/6/90	RW
	P) Detach & Attach Scope 20 Times						11/6/90	RW
640	Gallery Target & Test						11-7-90	JF
	A) Time						11-7-90	JF
	B) Malfunctions						11-7-90	JF
	C) Pierced Primers						11-7-90	JF
	D) Optical Clearity of Scope						11-7-90	JF
645	Inspect for Live Ammo						11-7-90	JF
655	Final Inspection A) Headspace						11/19/90	WB
	B) Trigger Pull	223	216	212	213	203	11/19/90	WB
	C) Function						11/19/90	WB
660	Pack						12-17-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523299

DATE 11-6-90

TESTER JL.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.19	2.34	223	MIN. SETTING,
PULL #2	2.23	2.18	2.47	216	NO AVG. OF 5
PULL #3	2.24	2.40	2.45	213	READINGS ACCEPT-
PULL #4	2.11	2.19	2.30	213	ABLE LESS THAN 2#
PULL #5	2.13	2.31	2.18	203	
TOTAL	10.95	11.27	11.74		
AVG.	2.19	2.254	2.348		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.34		
PULL #2	3.18	3.18		
PULL #3	3.23	3.27		
PULL #4	3.21	3.22		
PULL #5	3.23	3.17		
TOTAL	16.13	16.18		
AVG.	3.226	3.236		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.49		4.32
PULL #2	4.17	4.36		4.42
PULL #3	4.23	4.39		4.23
PULL #4	4.26	4.19		4.43
PULL #5	4.50	4.16		4.39
TOTAL	21.38	21.59		21.79
AVG.	4.276	4.318		4.358

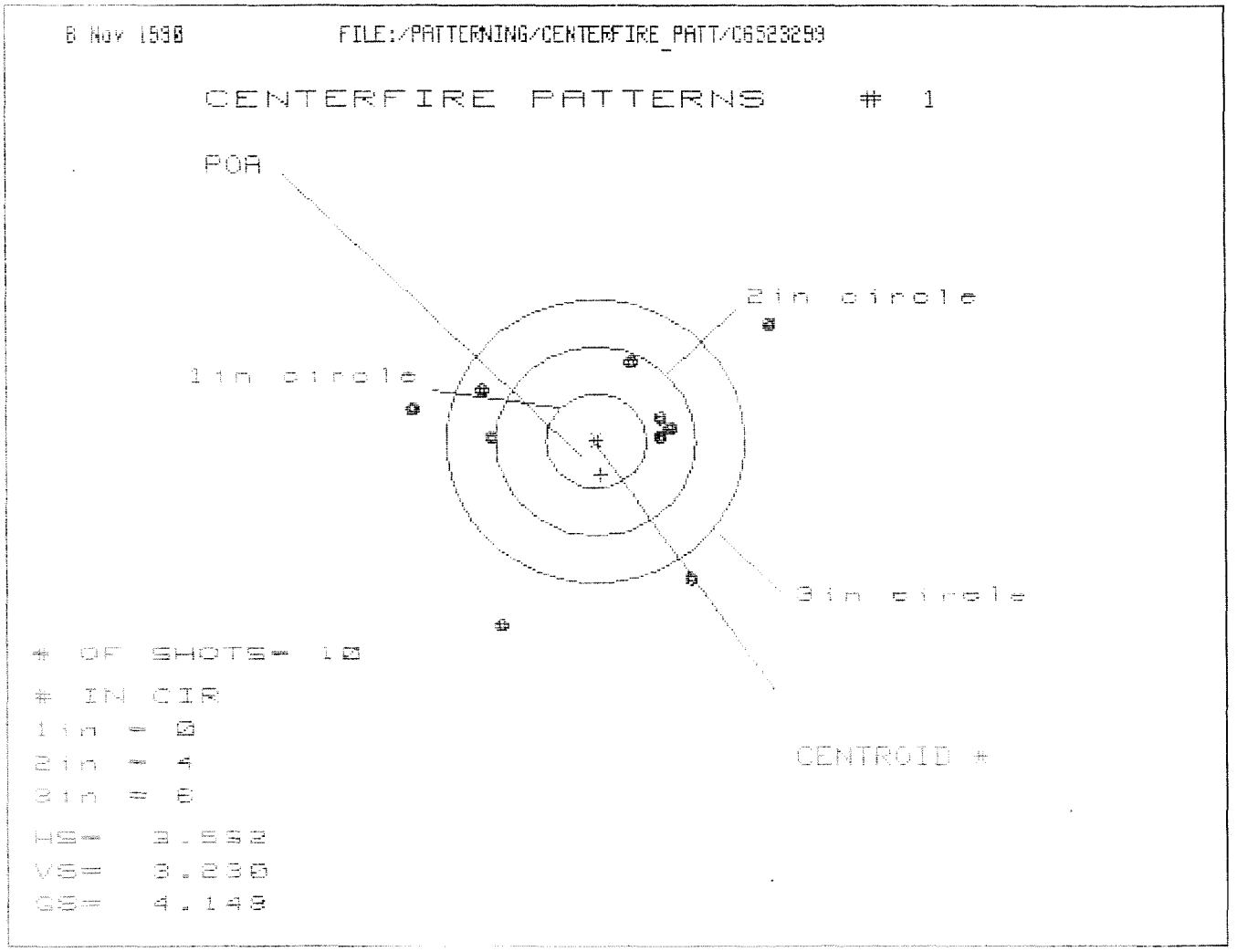
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523299
8 Nov 1990

CENTROIDAL DISTANCES

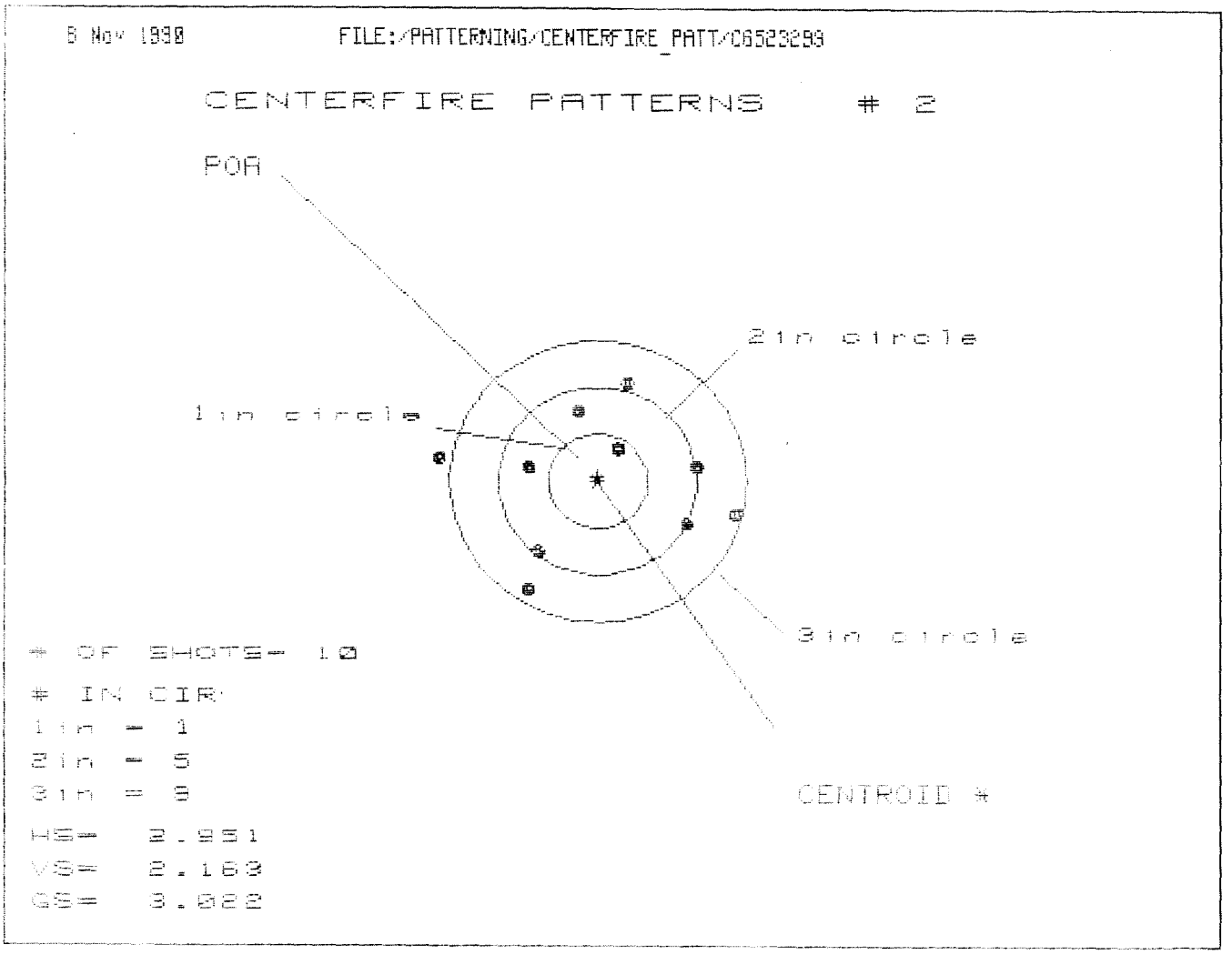
0	TO	1	.359356
1	TO	2	.40847
1	TO	3	.456755
1	TO	4	.636482
1	TO	5	.454737

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0542
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0248
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0596044

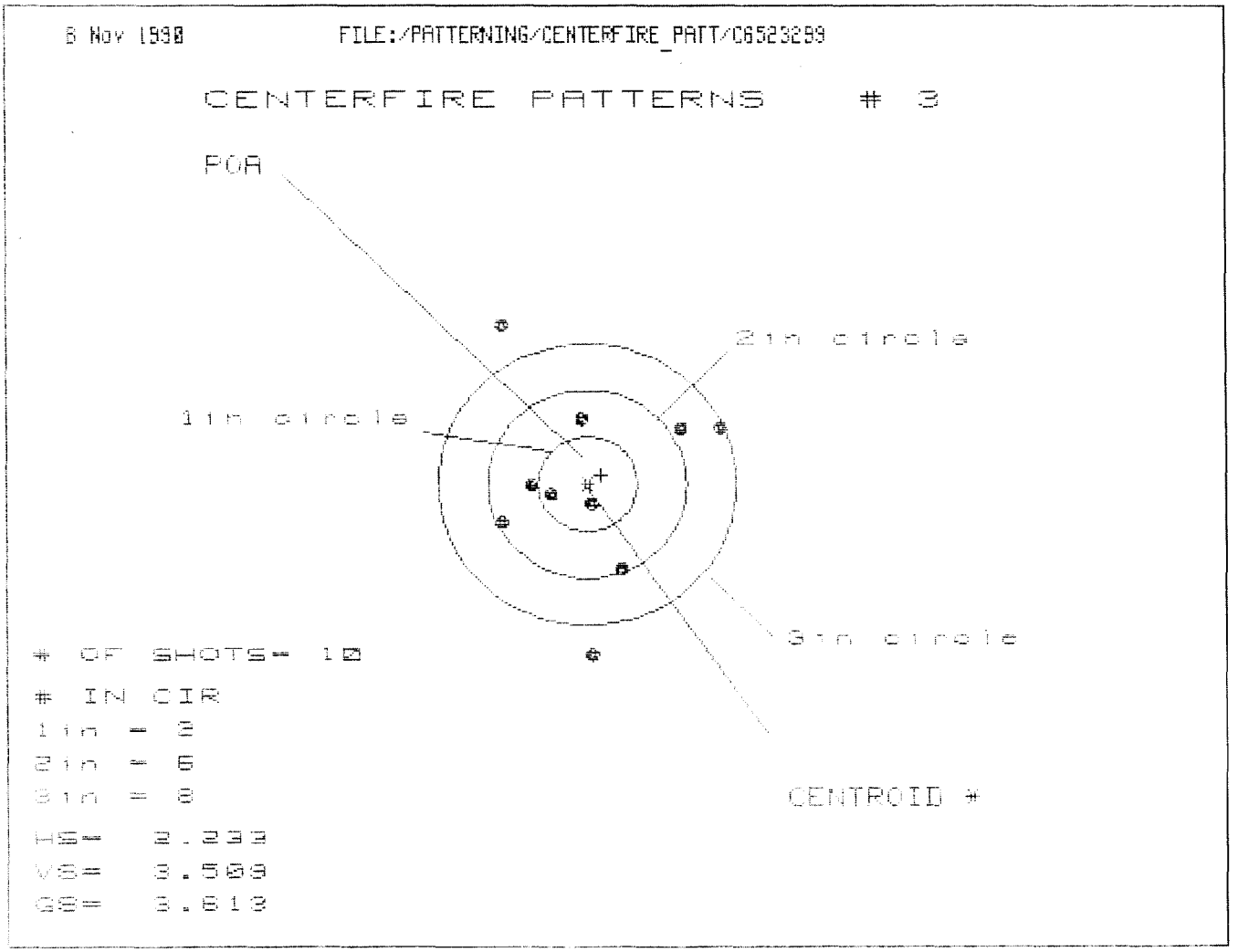
THE AMR FOR THIS RIFLE IS: 1.029



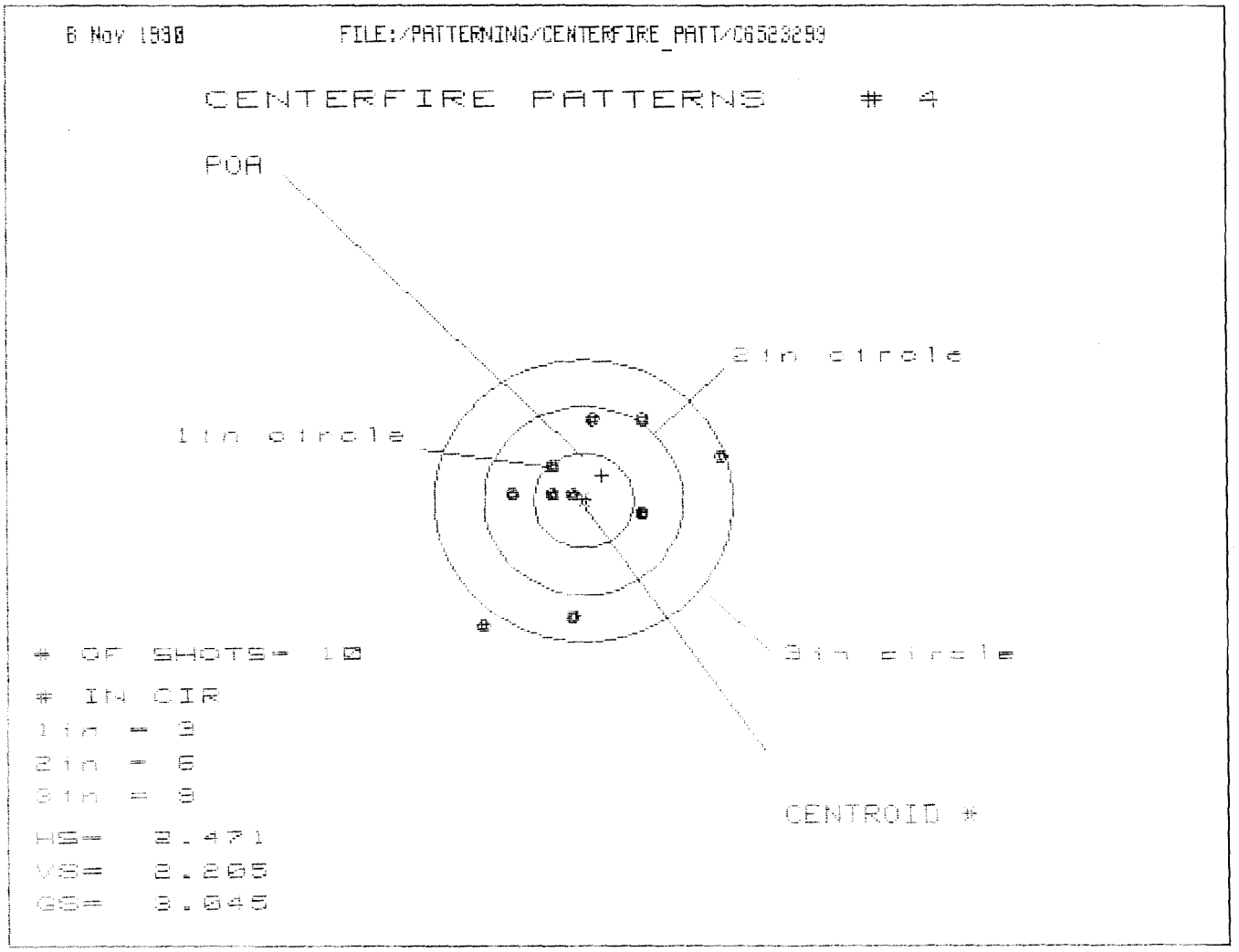
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.701	1.600	1.038
MINIMUM X	:	-1.891	-1.992	-1.791
MAXIMUM Y	:	1.227	1.005	.697
MINIMUM Y	:	-2.003	-1.634	-1.509
CENTROID X	:	-.049	.052	-.148
CENTROID Y	:	.356	.578	.453
POA TO CENTROID in.	:	.359	.581	.477
MIN RADIUS	:	.611	.515	.714
MEAN RADIUS	:	1.318	1.172	1.111
MAX RADIUS	:	2.196	1.997	1.832
HORIZONTAL SPREAD	:	3.592	3.592	2.830
VERTICAL SPREAD	:	3.230	2.639	2.206
EXTREME SPREAD	:	4.148	3.693	3.344
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	



PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.378	1.203	.958
MINIMUM X	:	-1.573	-.928	-.778
MAXIMUM Y	:	1.035	1.068	1.027
MINIMUM Y	:	-1.128	-1.095	-1.136
CENTROID X	:	.004	.179	.029
CENTROID Y	:	-.047	-.080	-.039
POA TO CENTROID in.	:	.047	.196	.049
MIN RADIUS	:	.387	.366	.368
MEAN RADIUS	:	1.033	.958	.911
MAX RADIUS	:	1.601	1.408	1.352
HORIZONTAL SPREAD	:	2.951	2.131	1.731
VERTICAL SPREAD	:	2.163	2.163	2.163
EXTREME SPREAD	:	3.022	2.391	2.391
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.377	1.287	1.281
MINIMUM X	:	-.856	-.946	-.952
MAXIMUM Y	:	1.684	.889	.684
MINIMUM Y	:	-1.825	-1.638	-.890
CENTROID X	:	-.138	-.048	-.042
CENTROID Y	:	-.092	-.279	-.074
POA TO CENTROID in.	:	.166	.283	.086
MIN RADIUS	:	.258	.090	.281
MEAN RADIUS	:	1.003	.896	.807
MAX RADIUS	:	1.870	1.638	1.392
HORIZONTAL SPREAD	:	2.233	2.233	2.233
VERTICAL SPREAD	:	3.509	2.527	1.574
EXTREME SPREAD	:	3.613	2.732	2.445
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.406	1.288	.604
MINIMUM X	:	-1.065	-.799	-.638
MAXIMUM Y	:	.850	.700	.734
MINIMUM Y	:	-1.355	-1.399	-1.365
CENTROID X	:	-.184	-.066	-.227
CENTROID Y	:	-.266	-.116	-.150
POA TO CENTROID in.	:	.324	.133	.272
MIN RADIUS	:	.135	.243	.082
MEAN RADIUS	:	.850	.745	.630
MAX RADIUS	:	1.723	1.423	1.368
HORIZONTAL SPREAD	:	2.471	2.087	1.242
VERTICAL SPREAD	:	2.205	2.099	2.099
EXTREME SPREAD	:	3.045	2.277	2.212
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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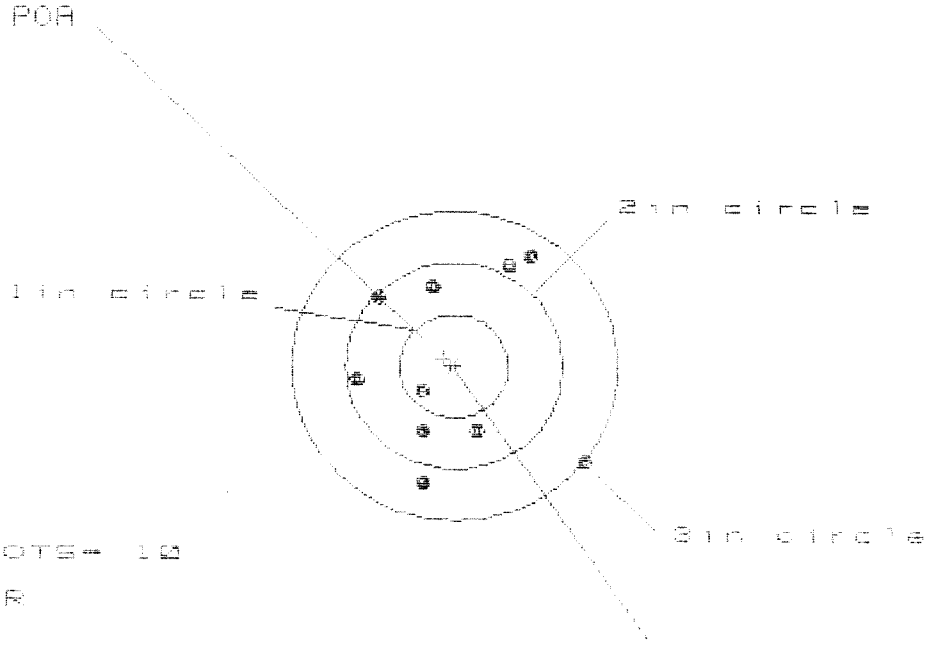
CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR
1 in = 1
2 in = 5
3 in = 10

HS= 2.084
VS= 2.162
GS= 2.470

PATTERN # : 5

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.207	.822	.759
MINIMUM X	:	-.877	-.743	-.641
MAXIMUM Y	:	1.080	.981	.989
MINIMUM Y	:	-1.082	-1.181	-1.058
CENTROID X	:	.096	-.038	-.140
CENTROID Y	:	-.075	.024	-.099
POA TO CENTROID in.	:	.122	.045	.172
MIN RADIUS	:	.384	.395	.251
MEAN RADIUS	:	.941	.863	.777
MAX RADIUS	:	1.499	1.280	1.247
HORIZONTAL SPREAD	:	2.084	1.565	1.400
VERTICAL SPREAD	:	2.162	2.162	2.047
EXTREME SPREAD	:	2.470	2.375	2.204
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	