C6528298

MODEL 700™ M24

Model 5A5 ™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

M2400005760

11/02/07 13:14:08

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: RE00136247
Verify Repair

Serial: C6523298 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:
Status: Closed 11/2/2007 10:14:59 AM

Address Information

Customer:	Received From	Return To:	Received From
Name:	BARRY MOBERLY	BARRY MOBERLY	
Address 1:	L-3 COMMUNICATIONS	L-3 COMMUNICATIONS	
Address 2:	5749 BRIAR HILL RD BLDG 221 PO Box:	5749 BRIAR HILL RD BLDG 221 PO Box:	
City:	LEXINGTON	LEXINGTON	
State:	KY Zip Code: 40516 Country: US	State: KY Zip Code: 40516 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	Qu
A007	With Stud	3
A008	With Swivel	3
A010	Hard Case	1
A026	Scope	1
A055	Deployment Kit	1
D000	SCOPE CASE	1

Repair Search | Refresh | Close

nagletj | 11/2/2007 | 1:14 PM | CAPS | NUM | INS | SCRL

start | 2 Mi... | 5 Int... | 4 Mi... | Part S... | longo... | Arms ... | 1:14 PM

Serial Number: C6523298

Model: M24 SWS

RE00136247

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

R & R NUMBER 136247

SERIAL NUMBER C6523298

LOG-IN DATE 11-2-07

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		7-14-08	RTC
505	RE-BARREL		7-18-08	RTC
560	ASSEMBLE		7-15-08	RSW
600	PROOF	MAGNA-FLUX JUL 25 2008 OPERATOR BA	7-16-08	TRW
605	CHECK HEADSPACE		7-16-08	TRW
610	DIS-ASSEMBLE GUN		7-18-08	RTC
612	MAGNAFLUX		7/25/08	BA
510	DRILL AND TAP		7-19-08	JP
615	ROLLMARK CALIBER		7/25/08	RT
618	ROTO-BLAST		7/28/08	DG
620	APPLY COATINGS		8/1	
625	FINAL ASSEMBLY		8-6-08	RTC
640	FUNCTION TEST AND	(PASS) FAIL	8-27-08	TRW
650	TARGET	(PASS) FAIL	8-27-08	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	N/A	
	MALFUNCTION	CORRECTION	8-27-08	FM
670	FINAL INSPECTION		9-10-08	RTC
	A) HEADSPACE	(PASS) FAIL	9-10-08	RTC
	B) TRIGGER PULL +/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.42 2.48 2.47 2.45 2.41 9-8-08		RSW
690	F) SAFETY ON FORCE 2 LBS MIN 10 LBS MAX	5.75 5.75 5.75 9808		RTC
	G) SAFETY OFF FORCE 2 LBS MIN	4.0 4.0 4.0 9808		RTC
	I) FIRING PIN INDENT .020	.023 .023 .023 9808		RTC
690	PACK		9-10-08	TC

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523298.__0
FILE DATE AND TIME: 08/28/2008 09:57

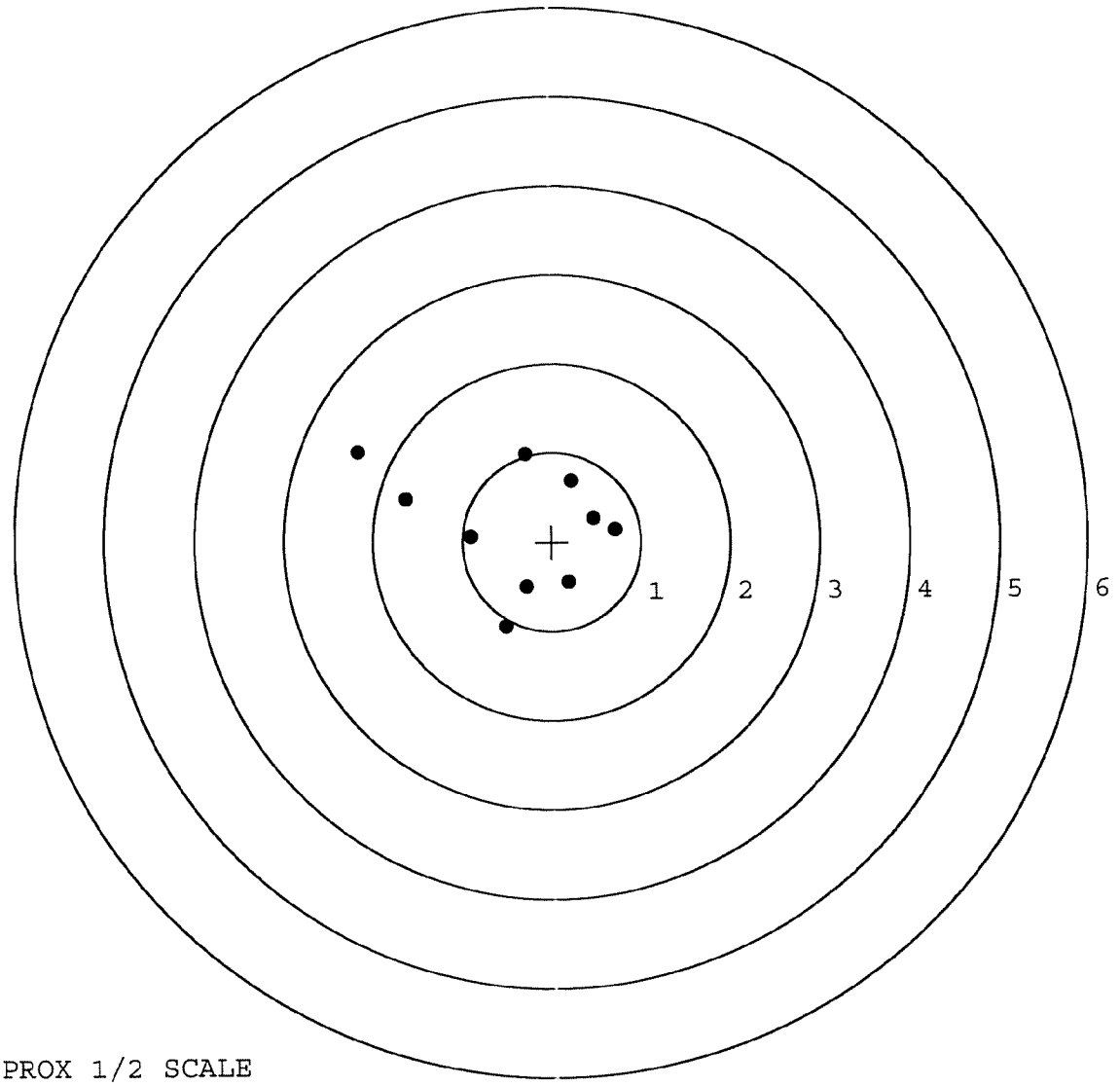
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.080
The Average Y Centroid of the Five Target Set:	0.036
The Average Point of Impact of the Five Target Set:	0.087
The Average Mean Radius of the Five Target Set:	0.771
The Distance from POA to Centroid Target #1:	0.455
The Distance from Centroid Target #2 to Centroid Target #1:	0.258
The Distance from Centroid Target #3 to Centroid Target #1:	0.526
The Distance from Centroid Target #4 to Centroid Target #1:	0.557
The Distance from Centroid Target #5 to Centroid Target #1:	0.532

SERIAL NUMBER: C6523298.__0
TARGET NUMBER: 1
FILE DATE: 08/28/2008
FILE TIME: 09:57

X CENTROID:	-0.421
Y CENTROID:	0.172
POA TO CENTROID:	0.455
HORZ SPREAD:	2.871
VERT SPREAD:	1.963
GROUP SPREAD:	3.003
MIN RADIUS:	0.499
MAX RADIUS:	1.932
MEAN RADIUS:	1.003
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-0.520	-0.950
2:	-0.291	-0.506
3:	0.193	-0.451
4:	0.711	0.134
5:	0.469	0.264
6:	0.221	0.683
7:	-0.297	0.981
8:	-0.908	0.062
9:	-1.627	0.486
10:	-2.160	1.013

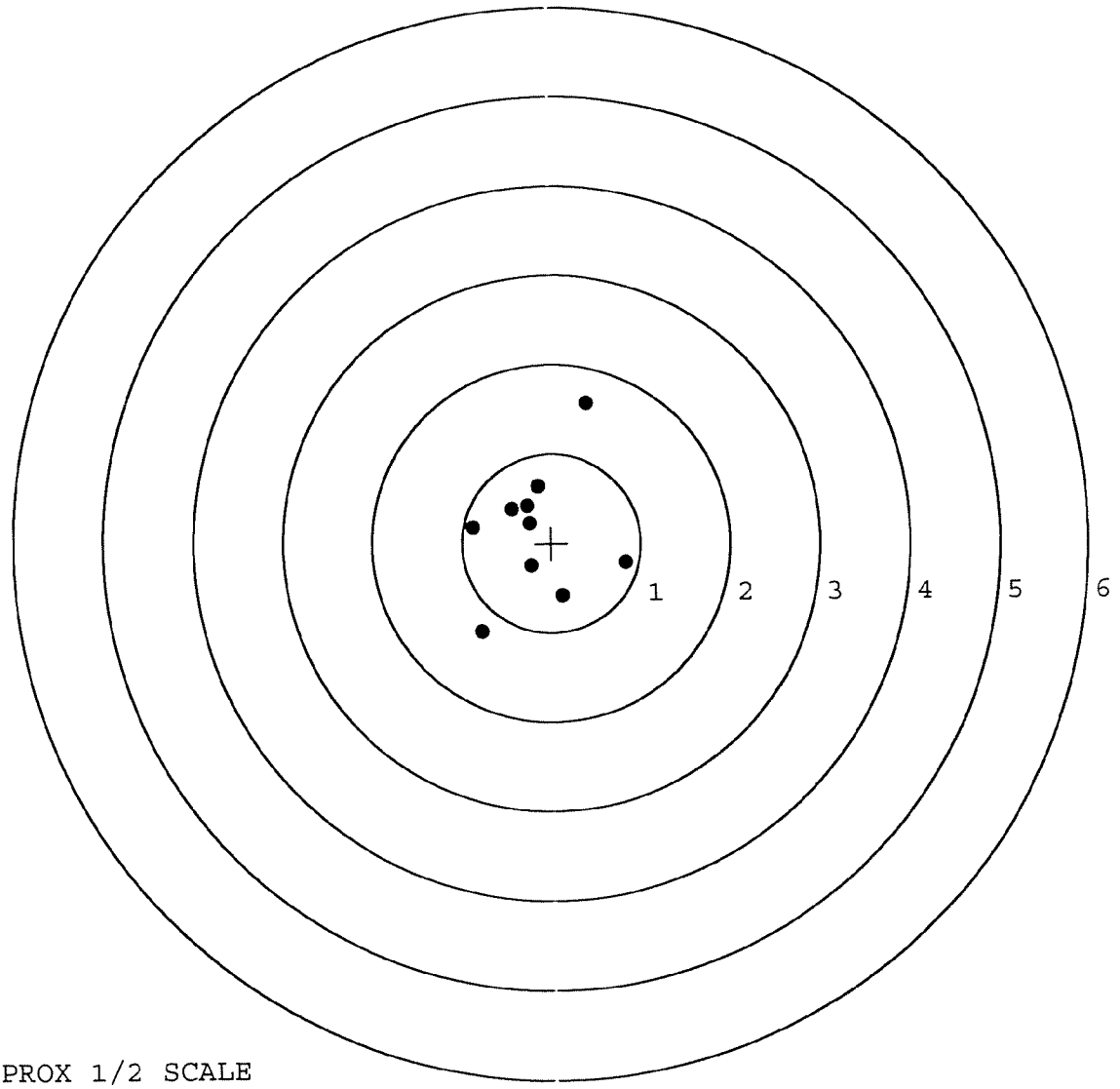


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523298.__0
TARGET NUMBER: 2
FILE DATE: 08/28/2008
FILE TIME: 09:57

X CENTROID:	-0.165
Y CENTROID:	0.138
POA TO CENTROID:	0.215
HORZ SPREAD:	1.705
VERT SPREAD:	2.556
GROUP SPREAD:	2.816
MIN RADIUS:	0.120
MAX RADIUS:	1.533
MEAN RADIUS:	0.707
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.828	-0.219
2:	0.122	-0.589
3:	-0.782	-0.993
4:	-0.233	-0.249
5:	0.401	1.563
6:	-0.877	0.186
7:	-0.443	0.390
8:	-0.245	0.228
9:	-0.271	0.422
10:	-0.152	0.644

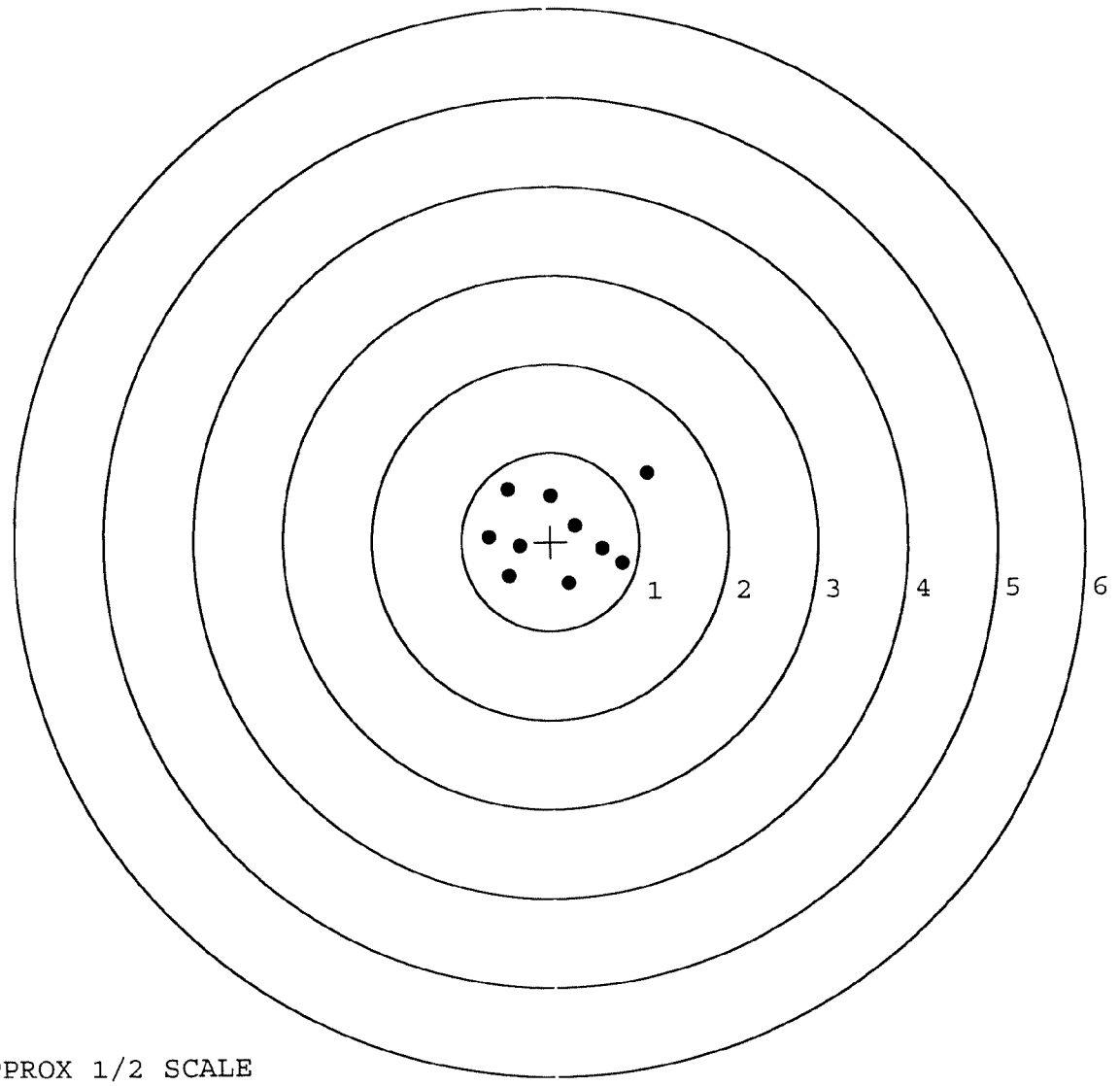


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523298.__0
TARGET NUMBER: 3
FILE DATE: 08/28/2008
FILE TIME: 09:57

X CENTROID:	0.098
Y CENTROID:	0.087
POA TO CENTROID:	0.131
HORZ SPREAD:	1.788
VERT SPREAD:	1.229
GROUP SPREAD:	1.939
MIN RADIUS:	0.200
MAX RADIUS:	1.204
MEAN RADIUS:	0.645
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.095	0.762
2:	0.801	-0.242
3:	0.582	-0.086
4:	0.277	0.177
5:	0.205	-0.467
6:	0.007	0.515
7:	-0.476	0.591
8:	-0.693	0.056
9:	-0.347	-0.047
10:	-0.468	-0.386

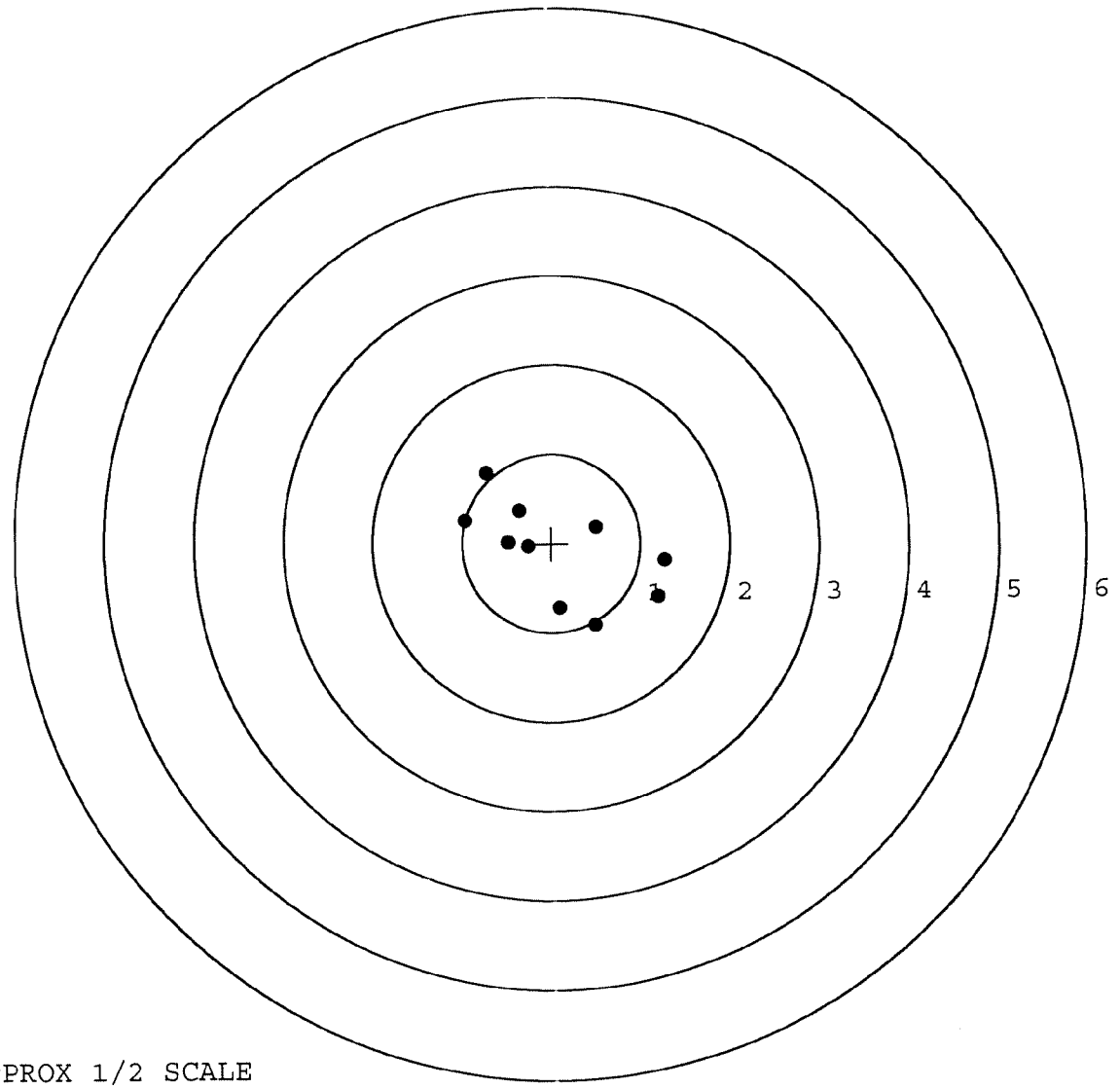


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523298.__0
TARGET NUMBER: 4
FILE DATE: 08/28/2008
FILE TIME: 09:57

X CENTROID:	0.073
Y CENTROID:	-0.086
POA TO CENTROID:	0.113
HORZ SPREAD:	2.238
VERT SPREAD:	1.718
GROUP SPREAD:	2.375
MIN RADIUS:	0.343
MAX RADIUS:	1.235
MEAN RADIUS:	0.836
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.195	-0.601
2:	1.268	-0.195
3:	0.490	-0.922
4:	0.093	-0.727
5:	0.504	0.181
6:	-0.266	-0.036
7:	-0.493	0.014
8:	-0.366	0.373
9:	-0.970	0.254
10:	-0.726	0.796

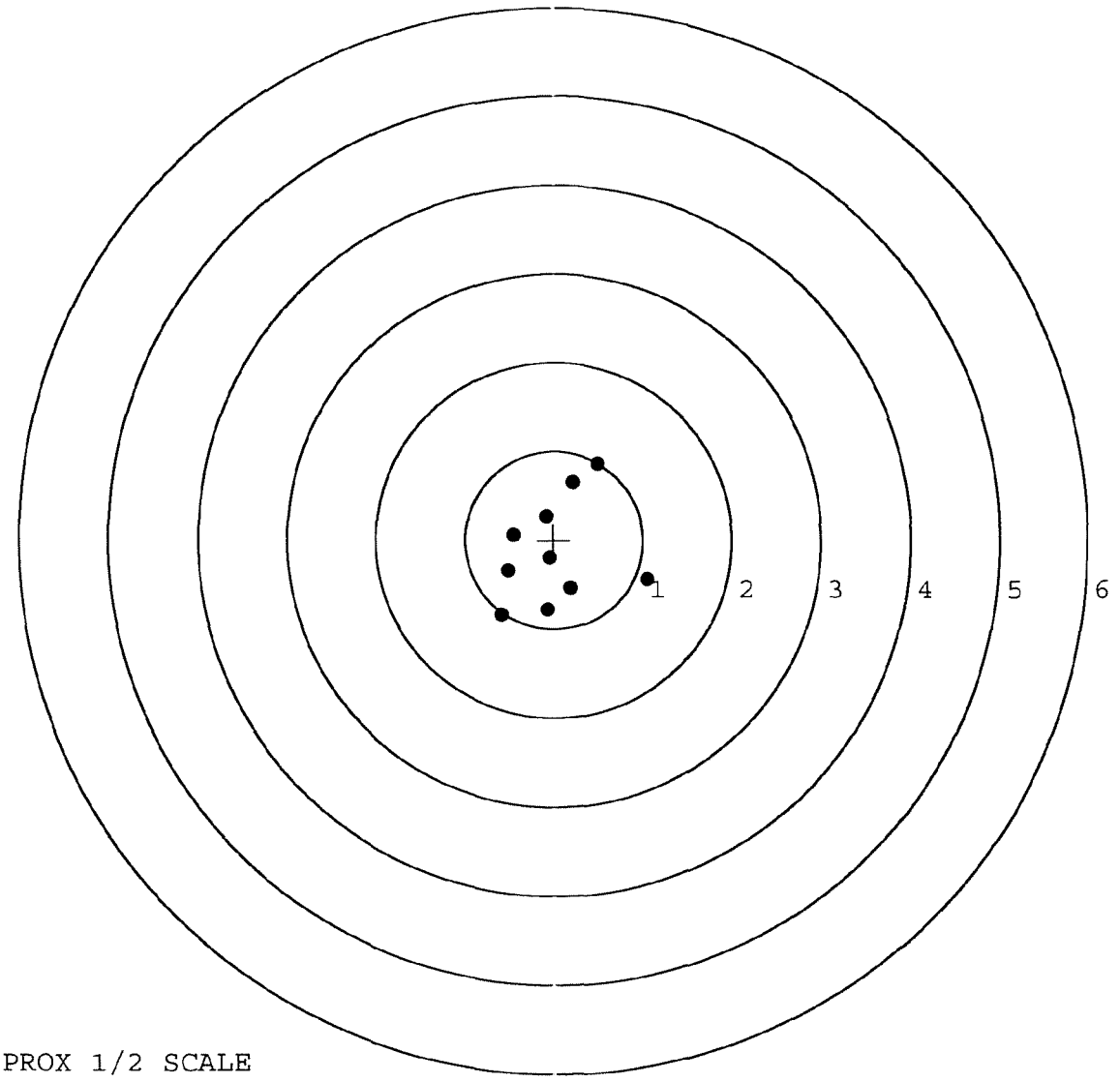


TARGET APPROX 1/2 SCALE

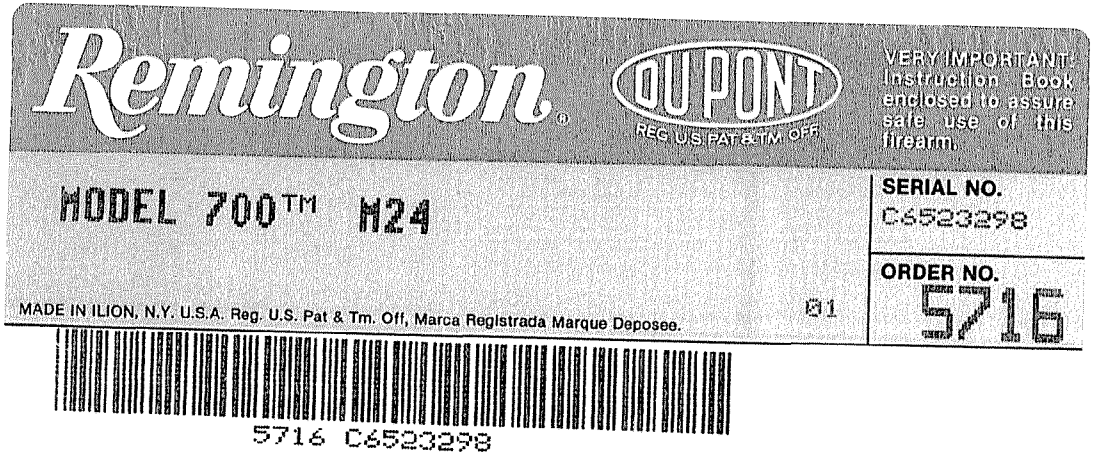
SERIAL NUMBER: C6523298.__0
TARGET NUMBER: 5
FILE DATE: 08/28/2008
FILE TIME: 09:57

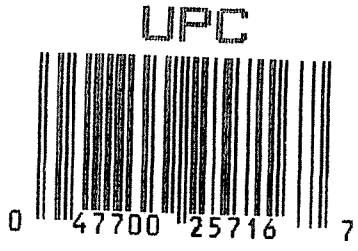
X CENTROID:	0.016
Y CENTROID:	-0.132
POA TO CENTROID:	0.133
HORZ SPREAD:	1.645
VERT SPREAD:	1.709
GROUP SPREAD:	2.028
MIN RADIUS:	0.098
MAX RADIUS:	1.105
MEAN RADIUS:	0.665
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.049	-0.441
2:	0.219	0.653
3:	0.496	0.864
4:	0.188	-0.546
5:	-0.079	-0.792
6:	-0.596	-0.845
7:	-0.053	-0.201
8:	-0.515	-0.343
9:	-0.458	0.061
10:	-0.091	0.272



TARGET APPROX 1/2 SCALE





Hole in
Stock

RECEIVING AND ESTIMATING REPORT

COMMENTS: W/10X SCOPE M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN
90-0777

ORDER: R 94-18141

INITIAL	CUSTOMER ORDER NO.
FDC	DAAA09-92-C-0834

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
06/10/94	06/10/94		C6523298		700 7-62 NATO

ACCESSORIES: SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

FROM:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL
36201-5025

CUST NO: 098397 C.O.D

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

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

X Stock	376.89
Trigger ASSY	173.71
X Mag Box	2.06
X Mag Spring	1.70
X Bolt Release	1.10
Scope Rep	119.43
Clean/Insp/Prep.	50.00
	724.89

COMMENTS

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
			AC		
GALLERY TESTER	**DATE**	**DATE**	**DATE**	**DATE**	**DATE**
			10/31		

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. C6523298
DATE 9-14-95
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.64	2.77		MIN. SETTING,
PULL #2	2.49	2.57	2.75		NO AVG. OF 5
PULL #3	2.45	2.61	2.79		READINGS ACCEPT-
PULL #4	2.45	2.70	2.81		ABLE LESS THAN 2#
PULL #5	2.77	2.66	2.74		
TOTAL	12.73	13.18	13.86		
AVG.	2.54	2.63	2.77		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.01	3.12		
PULL #2	3.04	3.16		
PULL #3	3.09	3.17		
PULL #4	3.14	3.20		
PULL #5	3.18	3.25		
TOTAL	15.46	15.90		
AVG.	3.09	3.18		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.08	4.15	4.19	
PULL #2	4.10	4.18	4.19	
PULL #3	4.20	4.09	4.22	
PULL #4	4.22	4.09	4.15	
PULL #5	4.10	4.05	4.15	
TOTAL	20.70	20.56	20.90	
AVG.	4.14	4.11	4.18	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C-6523298

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			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.5	5.0	5.0			12-2-95	DA
	G) Safety Off Force	3.2	2.5	3.0			12-2-95	DA
	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							
655	Final Inspection A) Headspace							
	B) Trigger Pull	2.61	2.71	2.69	2.60	2.61	12-2-95	DA
	C) Function							
660	Pack							

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523298

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 25	90	RW
600	Proof	9 25	90	RW
607	Check Headspace		90	RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		9-26-90	KR
	Magnaflux Bolt		9-26-90	KR
615	Rollmark Caliber		9-26-90	D.S.
617	Drill and Tap Sight Holes		9/28/90	KB
618	Polish Barrel KB		10/1/90	WB
620	Apply Coatings (Barrel Action)		10-5-90	TH
	Apply Coating (Bolt)		10-5	TH
625	Final Assembly A) Clean inside of Bolt Assembly		10/9/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/9/90	RW
	C) Inspect Ejector Hole for Chamfer		10/9/90	RW
	D) Oil Firing Pin Ass'y		10/9/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/22/90	RW

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			10/23/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			10/23/90	WB
	H) Trigger Pull Test & Retainability						10/22/90	RL
	I) Firing Pin Indent	.022	.021	.021			10/23/90	WB
	J) Assemble Stock						10/26/90	RW
	K) Assemble Swivel Studs						11-20-90	GS
	L) Attach Front and Rear Sight Assemblies						10/26/90	RW
	M) Iron Sight Alignment						10/26/90	RW
	N) Detach Front & Rear Sights & place in numbered container						10/26/90	RW
	O) Attach Scope to Rifle						10/26/90	RW
	P) Detach & Attach Scope 20 Times						10/26/90	RW
640	Gallery Target & Test						10-29-90	AC
	A) Time						10-29-90	AC
	B) Malfunctions						10-29-90	AC
	C) Pierced Primers						10-29-90	AC
	D) Optical Clearity of Scope						10-29-90	AC
645	Inspect for Live Ammo						12-29-90	AC
655	Final Inspection A) Headspace						11-20-90	GS
	B) Trigger Pull	2.64	2.62	2.61	2.51	2.50	11-20-90	GS
	C) Function						11-20-90	GS
660	Pack						12/14/90	AF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523298
DATE 10/22/90
TESTER JJ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.19	2.20	264	MIN. SETTING,
PULL #2	2.29	2.21	2.21	262	NO AVG. OF 5
PULL #3	2.21	2.16	2.25	261	READINGS ACCEPT-
PULL #4	2.24	2.24	2.15	251	ABLE LESS THAN 2#
PULL #5	2.21	2.23	2.30	250	
TOTAL	11.36	11.03	11.11		
AVG.	2.272	2.206	2.222		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.15		
PULL #2	3.35	3.51		
PULL #3	3.41	3.33		
PULL #4	3.25	3.32		
PULL #5	3.50	3.41		
TOTAL	16.84	16.72		
AVG.	3.368	3.344		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.32		4.31
PULL #2	4.23	4.36		4.21
PULL #3	4.22	4.12		4.12
PULL #4	4.26	4.13		4.35
PULL #5	4.26	4.25		4.43
TOTAL	21.18	21.18		21.42
AVG.	4.236	4.236		4.284

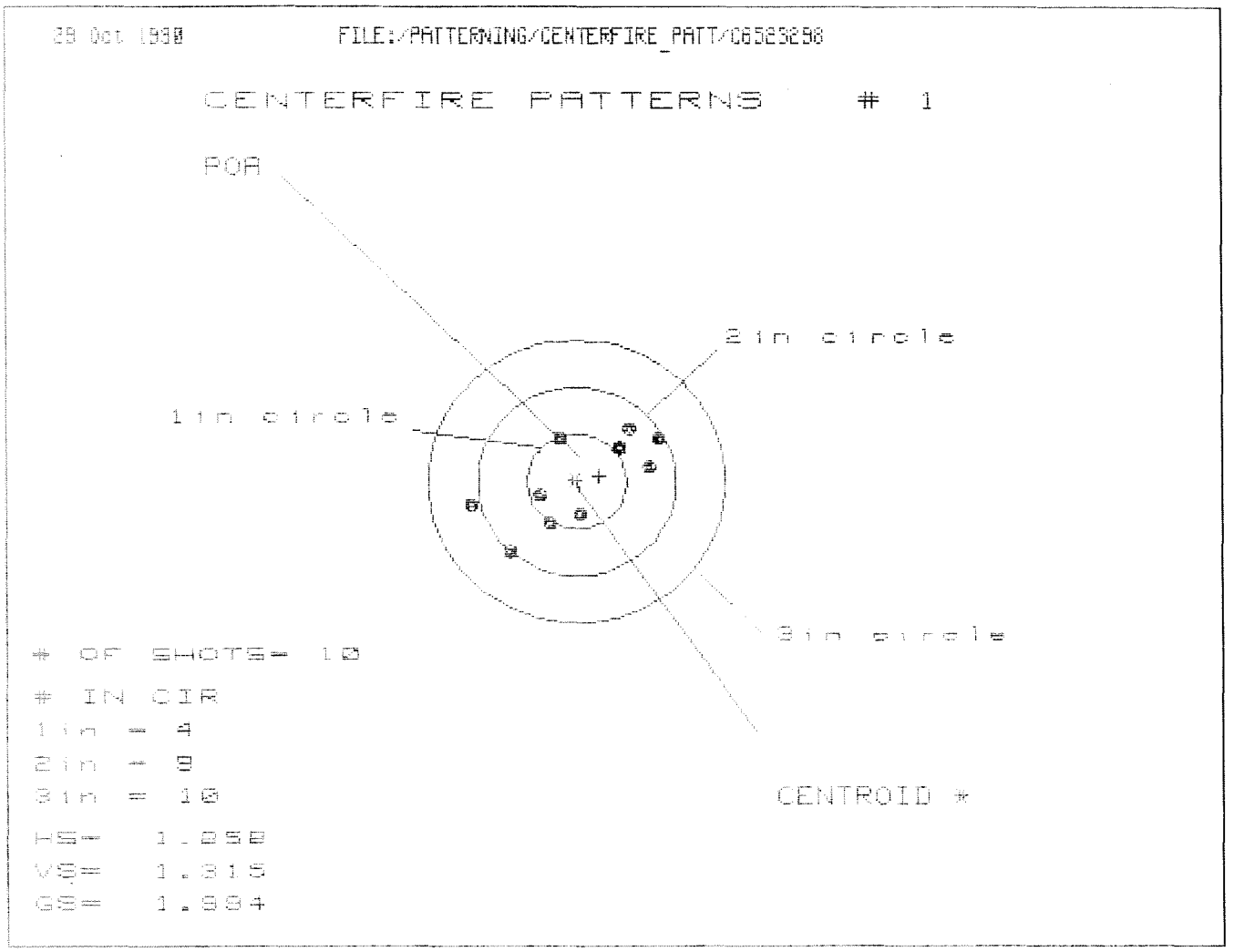
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523298
29 Oct 1990

CENTROIDAL DISTANCES

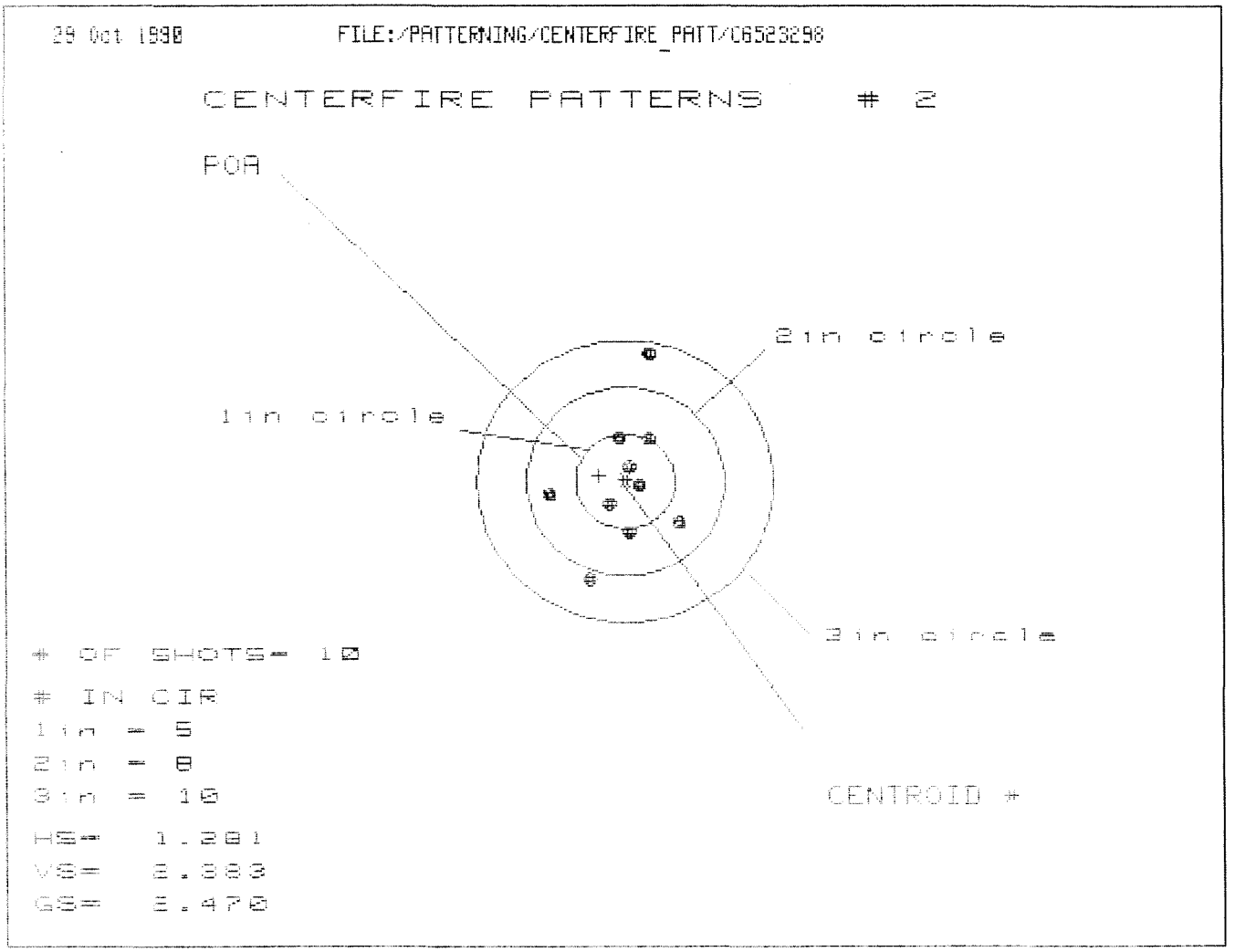
0	TO	1	.237447
1	TO	2	.484025
1	TO	3	.167705
1	TO	4	.444208
1	TO	5	.304784

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0294
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1064
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .110387

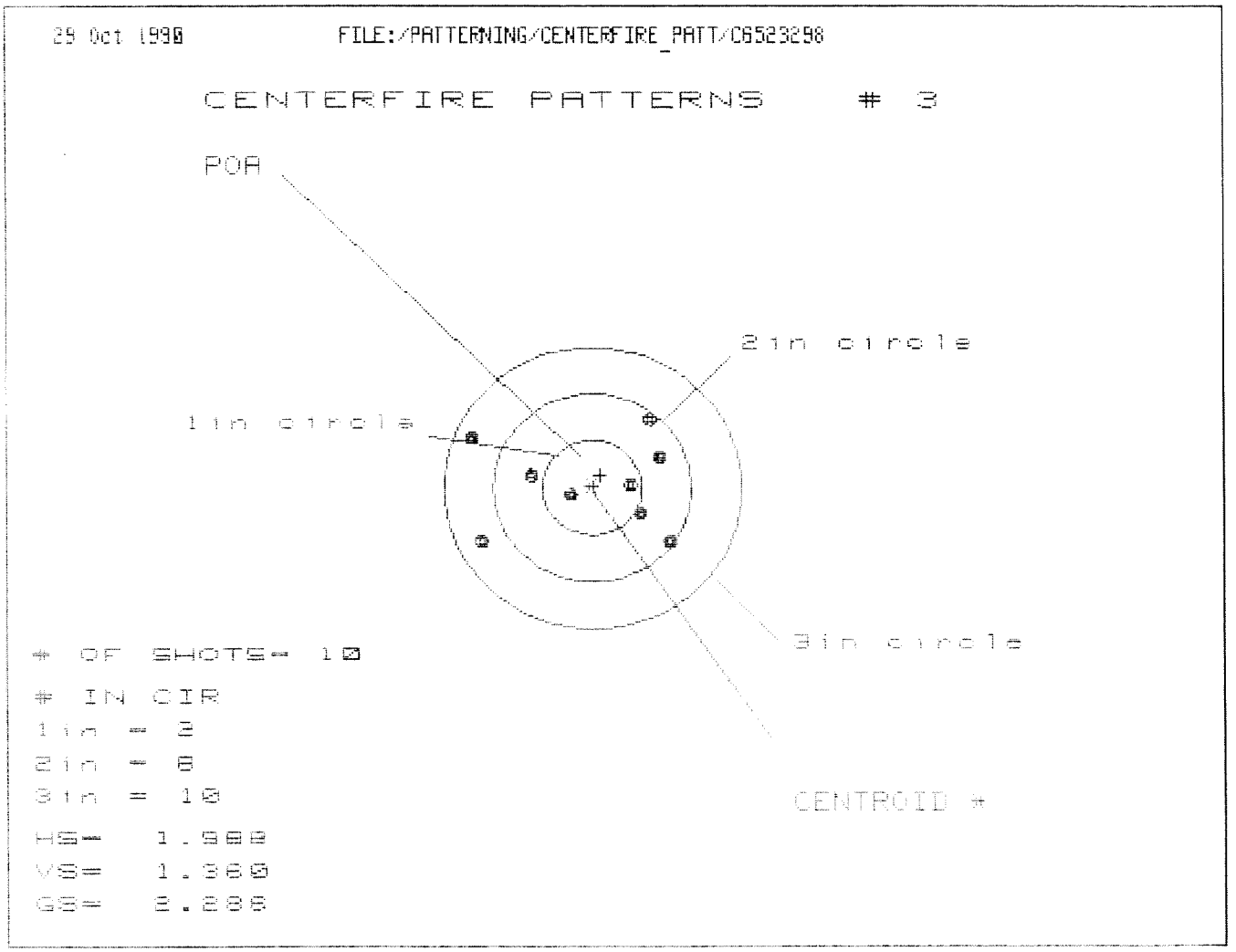
THE AMR FOR THIS RIFLE IS: .7602



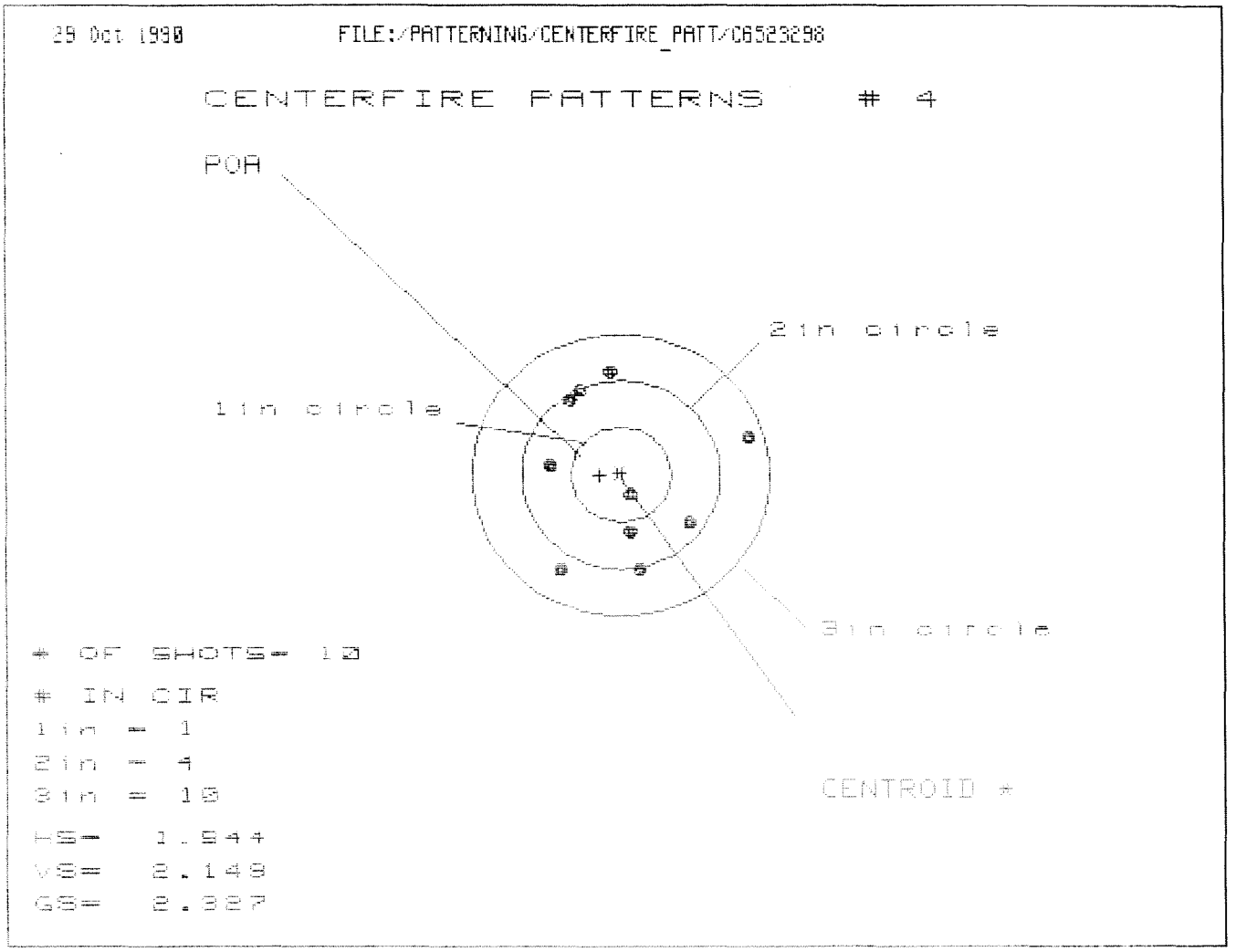
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.815	.699	.599
MINIMUM X	:	-1.043	-.796	-.576
MAXIMUM Y	:	.594	.561	.467
MINIMUM Y	:	-.721	-.754	-.534
CENTROID X	:	-.230	-.114	-.015
CENTROID Y	:	-.059	-.026	.068
POA TO CENTROID in.	:	.237	.117	.069
MIN RADIUS	:	.388	.426	.346
MEAN RADIUS	:	.681	.631	.557
MAX RADIUS	:	1.083	1.096	.697
HORIZONTAL SPREAD	:	1.858	1.495	1.175
VERTICAL SPREAD	:	1.315	1.315	1.001
EXTREME SPREAD	:	1.994	1.890	1.345
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	



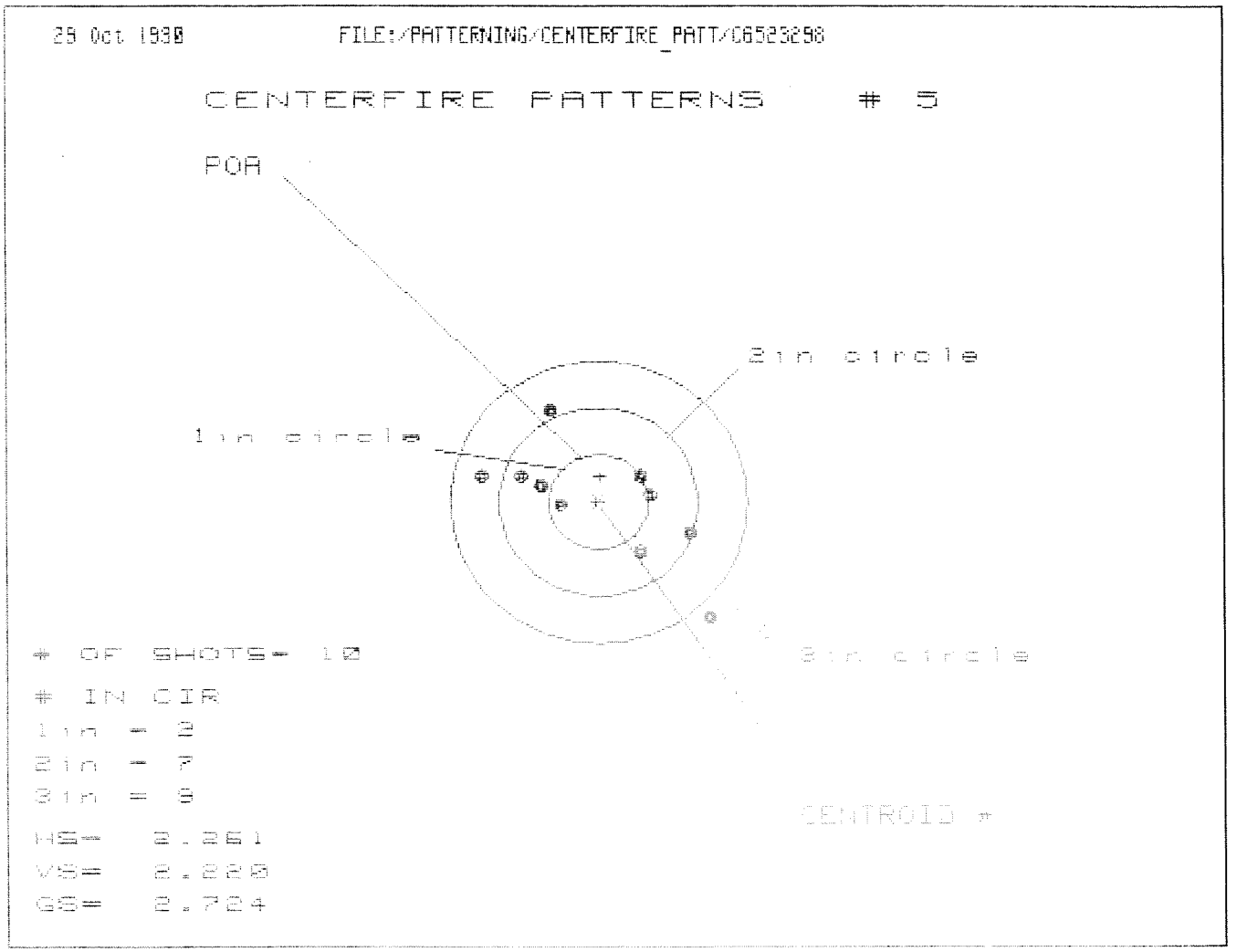
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.548	.576	.529
MINIMUM X	:	-.733	-.705	-.752
MAXIMUM Y	:	1.316	.603	.488
MINIMUM Y	:	-1.067	-.920	-.462
CENTROID X	:	.264	.236	.283
CENTROID Y	:	-.064	-.211	-.096
POA TO CENTROID in.	:	.272	.317	.299
MIN RADIUS	:	.181	.134	.156
MEAN RADIUS	:	.601	.516	.439
MAX RADIUS	:	1.339	.994	.761
HORIZONTAL SPREAD	:	1.281	1.281	1.281
VERTICAL SPREAD	:	2.383	1.523	.949
EXTREME SPREAD	:	2.470	1.650	1.311
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.788	.654	.496
MINIMUM X	:	-1.200	-1.270	-.957
MAXIMUM Y	:	.769	.828	.767
MINIMUM Y	:	-.591	-.532	-.593
CENTROID X	:	-.080	.054	.212
CENTROID Y	:	-.134	-.193	-.132
POA TO CENTROID in.	:	.156	.201	.250
MIN RADIUS	:	.269	.249	.079
MEAN RADIUS	:	.760	.666	.536
MAX RADIUS	:	1.315	1.361	.968
HORIZONTAL SPREAD	:	1.988	1.924	1.453
VERTICAL SPREAD	:	1.360	1.360	1.360
EXTREME SPREAD	:	2.286	2.140	1.630
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.250	.876	.820
MINIMUM X	:	-.694	-.555	-.611
MAXIMUM Y	:	1.126	1.173	1.053
MINIMUM Y	:	-1.023	-.976	-1.096
CENTROID X	:	.210	.071	.127
CENTROID Y	:	.002	-.045	.075
POA TO CENTROID in.	:	.210	.084	.148
MIN RADIUS	:	.273	.321	.375
MEAN RADIUS	:	.915	.858	.836
MAX RADIUS	:	1.320	1.174	1.121
HORIZONTAL SPREAD	:	1.944	1.431	1.431
VERTICAL SPREAD	:	2.149	2.149	2.149
EXTREME SPREAD	:	2.327	2.186	2.162
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.092	1.071	.940
MINIMUM X	:	-1.169	-1.048	-.788
MAXIMUM Y	:	1.007	.872	.884
MINIMUM Y	:	-1.213	-.873	-.661
CENTROID X	:	-.017	-.138	-.007
CENTROID Y	:	-.277	-.142	-.154
POA TO CENTROID in.	:	.277	.198	.154
MIN RADIUS	:	.372	.308	.403
MEAN RADIUS	:	.844	.736	.694
MAX RADIUS	:	1.632	1.160	1.036
HORIZONTAL SPREAD	:	2.261	2.119	1.728
VERTICAL SPREAD	:	2.220	1.545	1.545
EXTREME SPREAD	:	2.724	2.187	1.949
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	