C6225314

MODEL 700™ M24

Model SWS ™

Action

Barrel Length

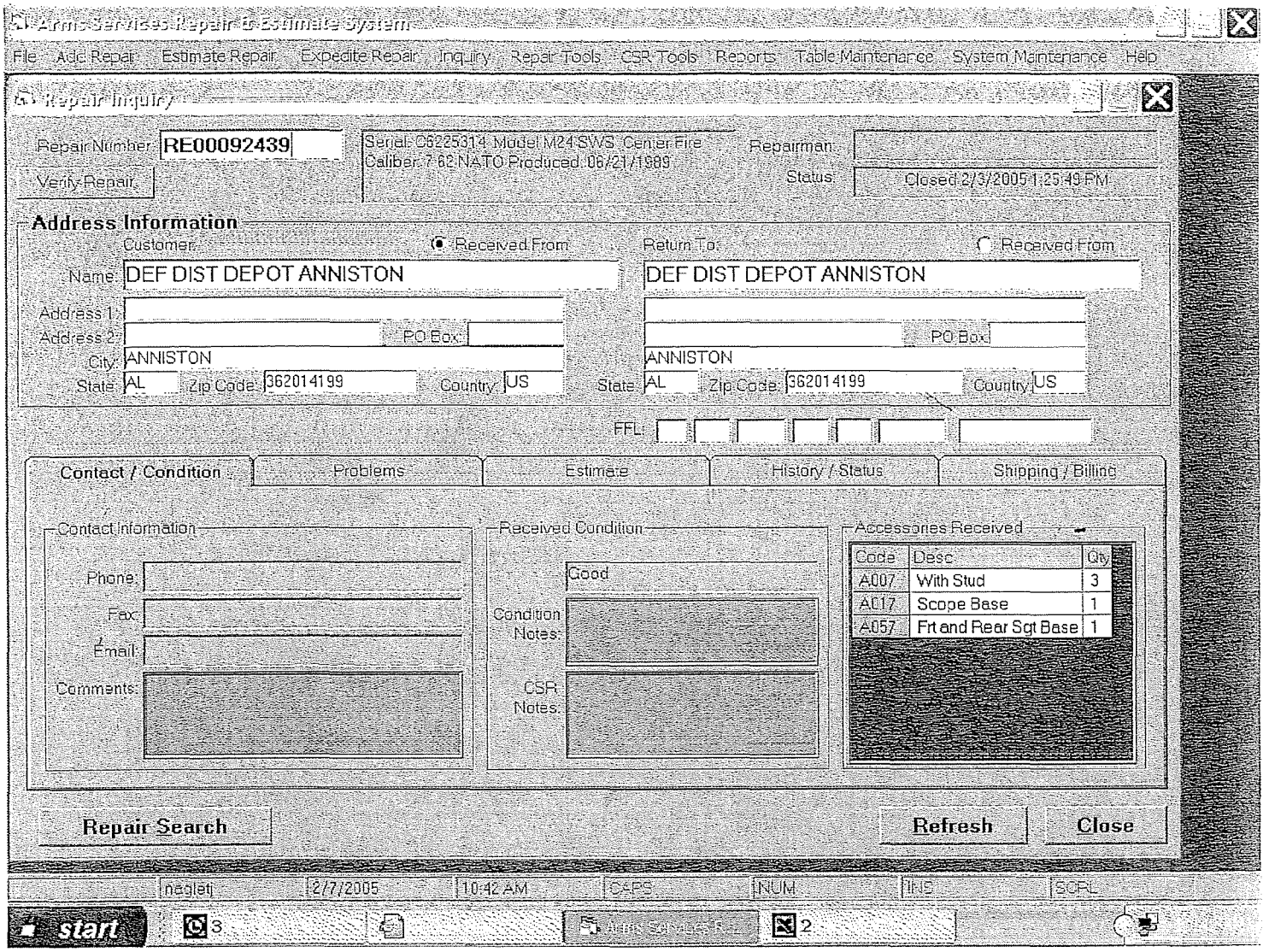
Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Smeard®


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: RE00092439
Verify Repair
Serial: C6225314 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/21/1989
Repairman:
Status: Closed 2/3/2005 1:25:49 PM
Address Information
Customer
Received From
Name: DEF DIST DEPOT ANNISTON
Address 1:
Address 2:
PO Box:
City: ANNISTON
State: AL Zip Code: 362014199 Country: US
Return To:
Received From
DEF DIST DEPOT ANNISTON
PO Box:
ANNISTON
State: AL Zip Code: 362014199 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
A057 Frt and Rear Sgt Base 1
Repair Search
Refresh
Close
neaglet
2/7/2005
10:42 AM
CAPS
NUM
INS
SCRL
start


Serial Number:
C6225314
Model: M24 SWS
RE00092439

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225314.__0
FILE DATE AND TIME: 09/02/2005 10:49

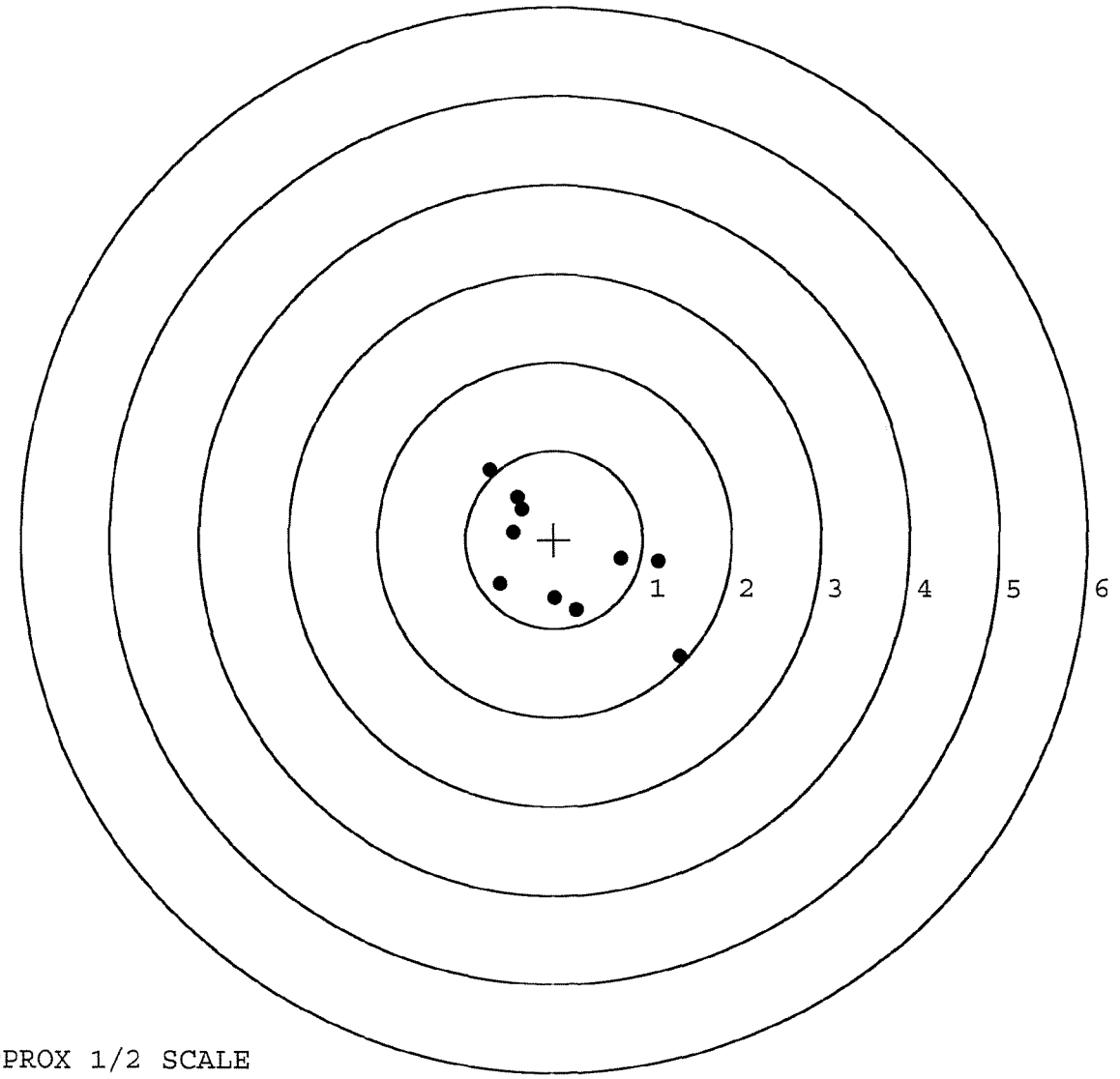
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.016
The Average Y Centroid of the Five Target Set:	0.019
The Average Point of Impact of the Five Target Set:	0.025
The Average Mean Radius of the Five Target Set:	1.028
The Distance from POA to Centroid Target #1:	0.231
The Distance from Centroid Target #2 to Centroid Target #1:	0.177
The Distance from Centroid Target #3 to Centroid Target #1:	0.248
The Distance from Centroid Target #4 to Centroid Target #1:	0.357
The Distance from Centroid Target #5 to Centroid Target #1:	0.642

SERIAL NUMBER: C6225314.__0
TARGET NUMBER: 1
FILE DATE: 09/02/2005
FILE TIME: 10:49

X CENTROID:	0.104
Y CENTROID:	-0.206
POA TO CENTROID:	0.231
HORZ SPREAD:	2.146
VERT SPREAD:	2.105
GROUP SPREAD:	3.006
MIN RADIUS:	0.467
MAX RADIUS:	1.723
MEAN RADIUS:	0.879
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	1.417	-1.321
2:	1.179	-0.248
3:	0.754	-0.220
4:	0.253	-0.787
5:	0.011	-0.664
6:	-0.607	-0.505
7:	-0.454	0.082
8:	-0.370	0.343
9:	-0.415	0.477
10:	-0.729	0.784

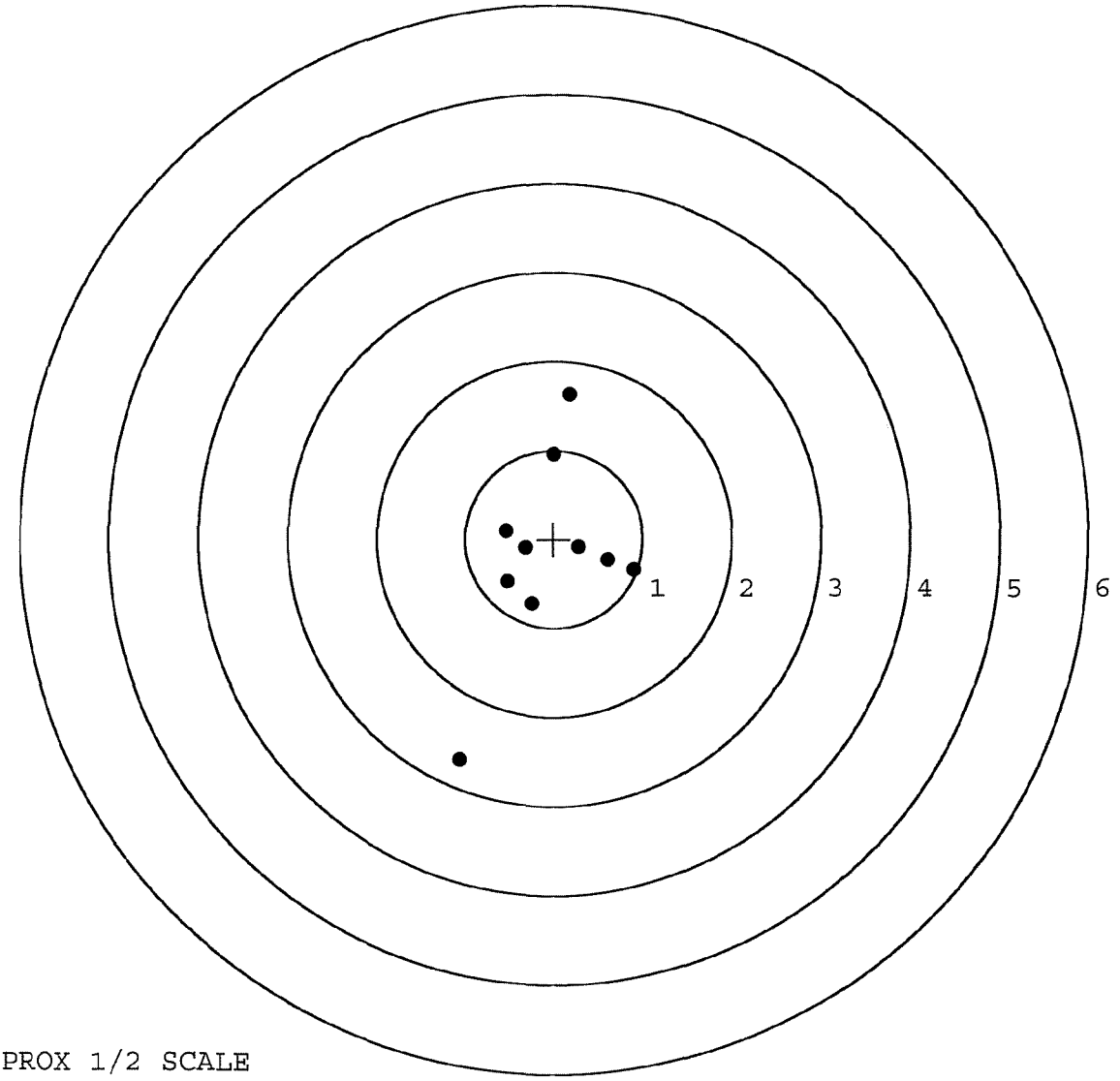


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225314.__0
TARGET NUMBER: 2
FILE DATE: 09/02/2005
FILE TIME: 10:49

X CENTROID:	-0.071
Y CENTROID:	-0.181
POA TO CENTROID:	0.194
HORZ SPREAD:	1.958
VERT SPREAD:	4.109
GROUP SPREAD:	4.292
MIN RADIUS:	0.259
MAX RADIUS:	2.504
MEAN RADIUS:	0.942
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	0.901	-0.352
2:	0.607	-0.237
3:	0.283	-0.087
4:	-0.248	-0.727
5:	-0.523	-0.486
6:	-0.319	-0.106
7:	-0.539	0.087
8:	0.002	0.956
9:	0.182	1.626
10:	-1.057	-2.483

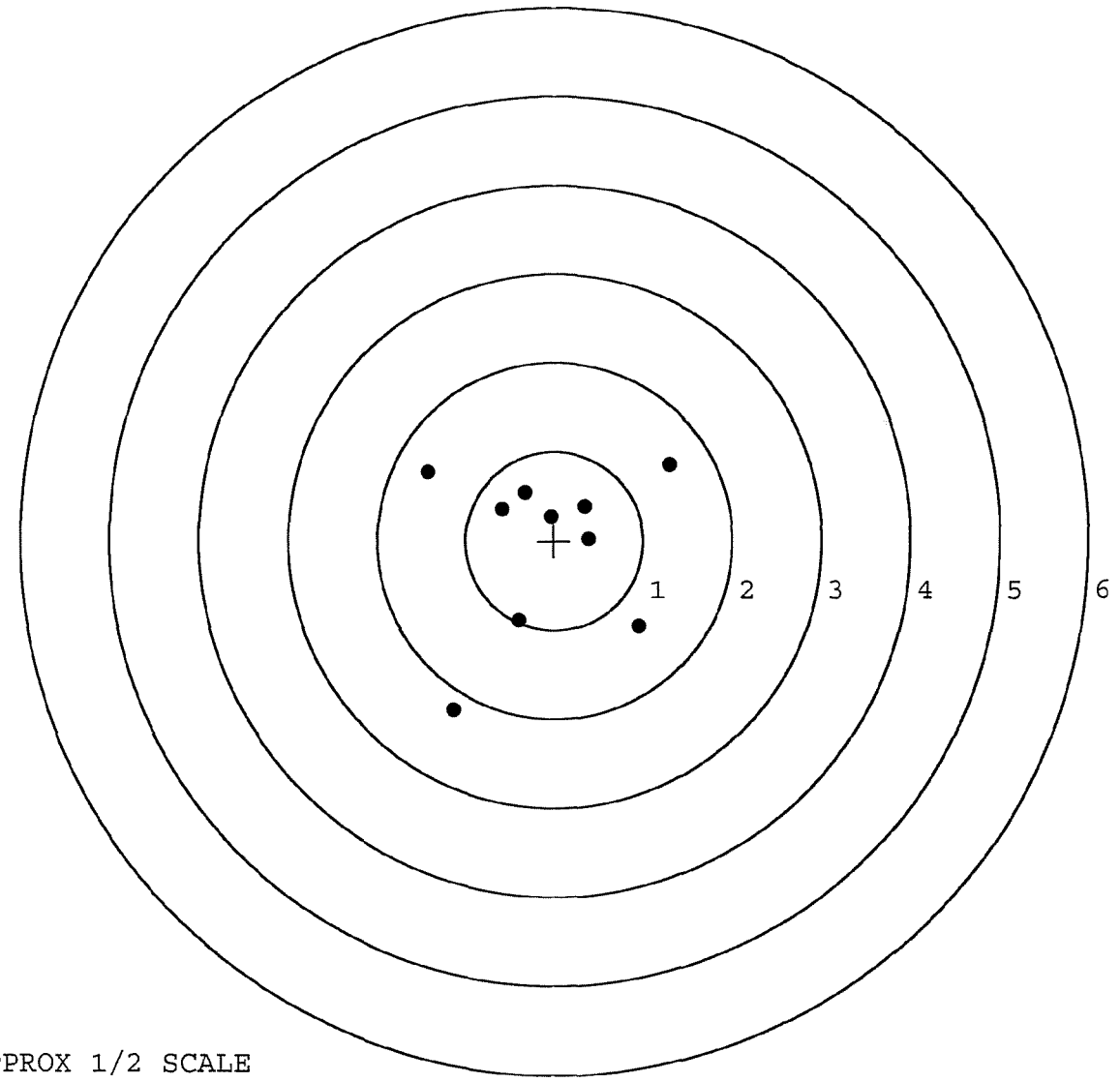


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225314.__0
TARGET NUMBER: 3
FILE DATE: 09/02/2005
FILE TIME: 10:49

X CENTROID:	-0.094
Y CENTROID:	-0.057
POA TO CENTROID:	0.110
HORZ SPREAD:	2.727
VERT SPREAD:	2.762
GROUP SPREAD:	3.683
MIN RADIUS:	0.334
MAX RADIUS:	2.129
MEAN RADIUS:	1.038
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	7

POINT#	X	Y
1:	0.951	-0.963
2:	1.298	0.850
3:	0.388	0.023
4:	0.345	0.390
5:	-0.032	0.271
6:	-0.329	0.541
7:	-0.592	0.355
8:	-0.402	-0.897
9:	-1.138	-1.912
10:	-1.429	0.771

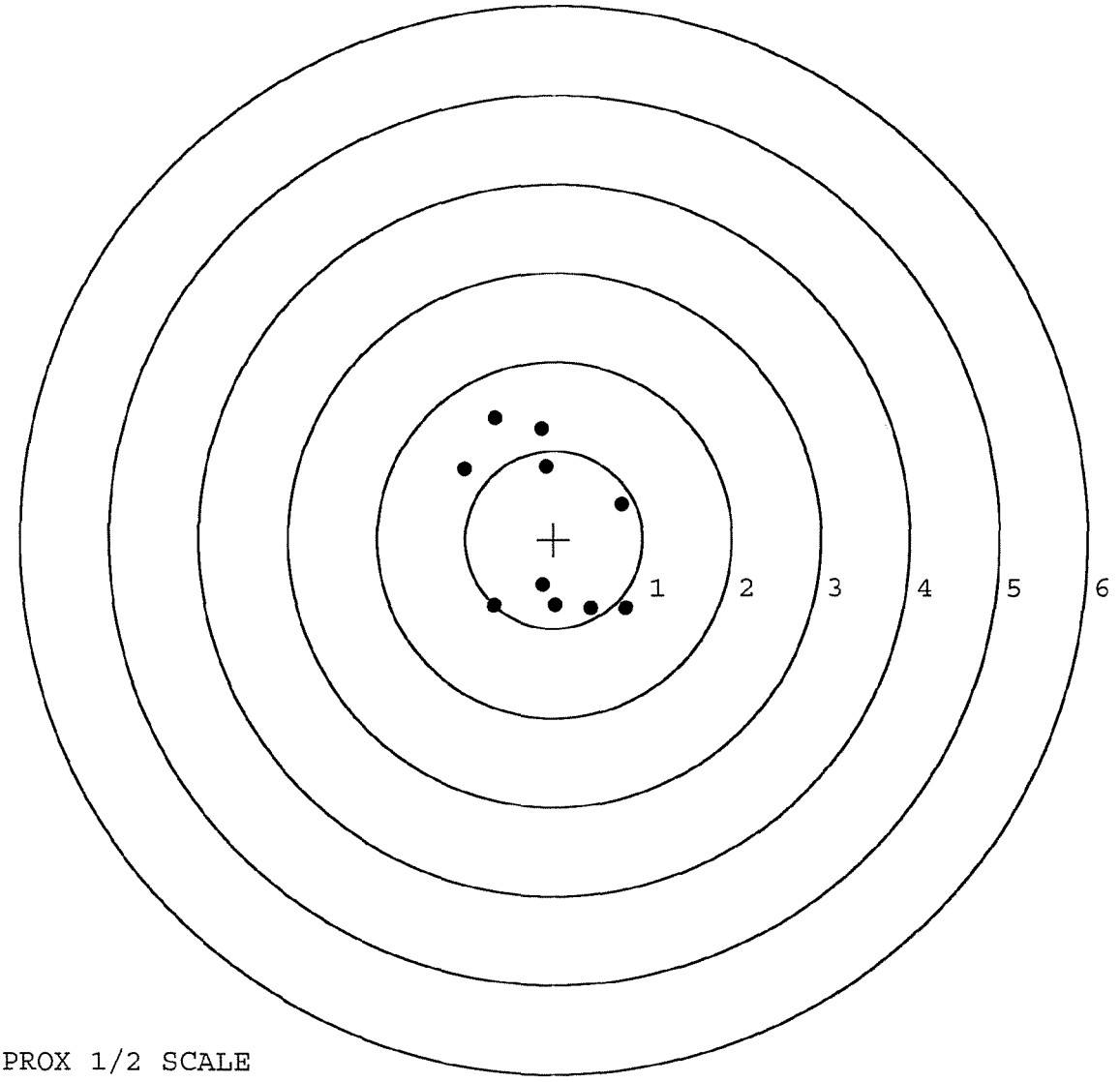


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225314.__0
TARGET NUMBER: 4
FILE DATE: 09/02/2005
FILE TIME: 10:49

X CENTROID:	-0.070
Y CENTROID:	0.106
POA TO CENTROID:	0.127
HORZ SPREAD:	1.815
VERT SPREAD:	2.144
GROUP SPREAD:	2.599
MIN RADIUS:	0.624
MAX RADIUS:	1.391
MEAN RADIUS:	1.009
# IN 1 IN DIAMETER:	0
# IN 2 IN DIAMETER:	4
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.092	0.825
2:	-0.140	1.247
3:	-0.670	1.361
4:	-1.007	0.798
5:	0.764	0.394
6:	0.808	-0.777
7:	0.423	-0.783
8:	0.018	-0.742
9:	-0.131	-0.515
10:	-0.674	-0.748

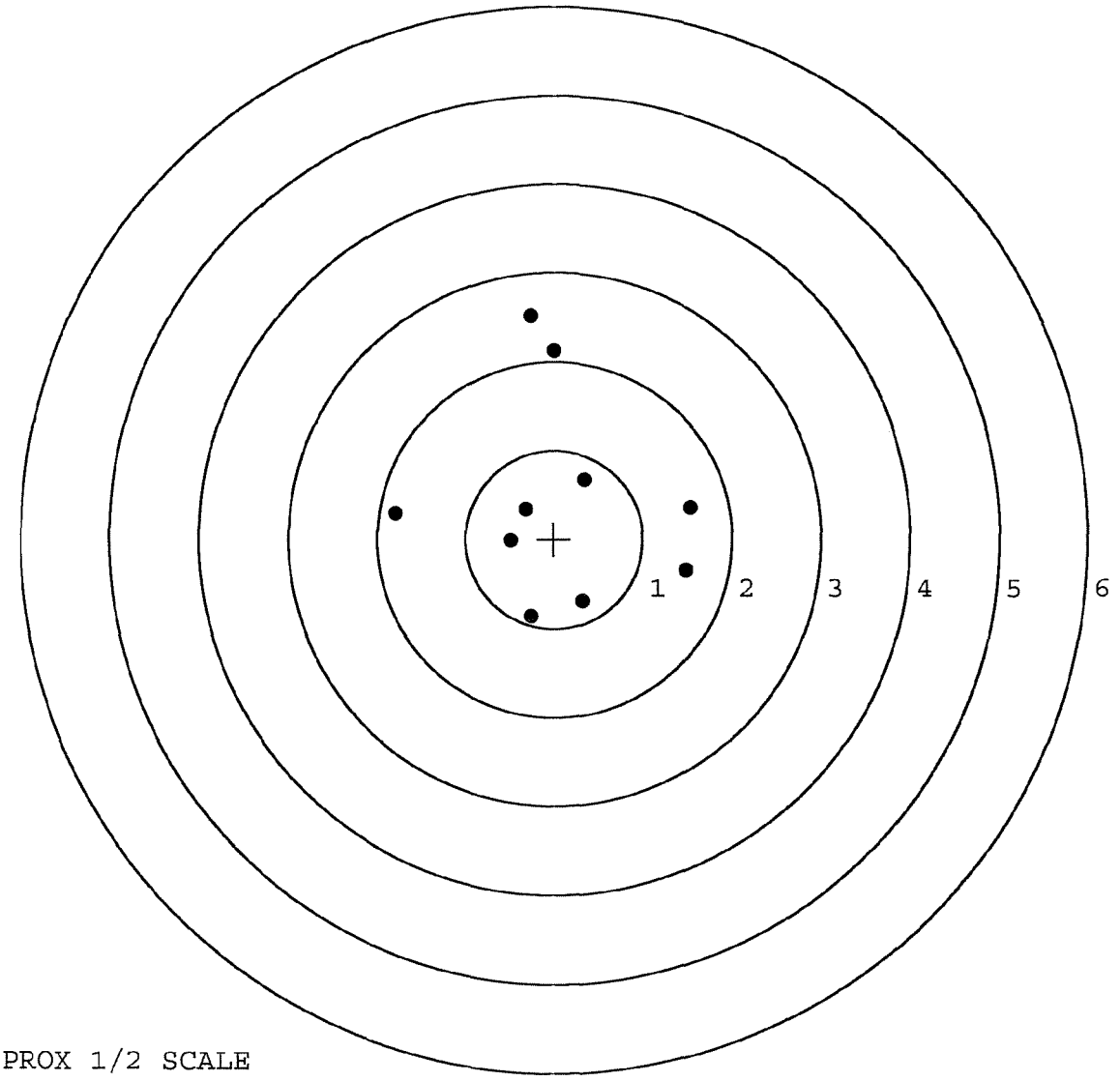


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225314.__0
TARGET NUMBER: 5
FILE DATE: 09/02/2005
FILE TIME: 10:49

X CENTROID:	0.053
Y CENTROID:	0.434
POA TO CENTROID:	0.437
HORZ SPREAD:	3.332
VERT SPREAD:	3.380
GROUP SPREAD:	3.380
MIN RADIUS:	0.371
MAX RADIUS:	2.099
MEAN RADIUS:	1.273
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	3
# in 3 IN DIAMETER:	6

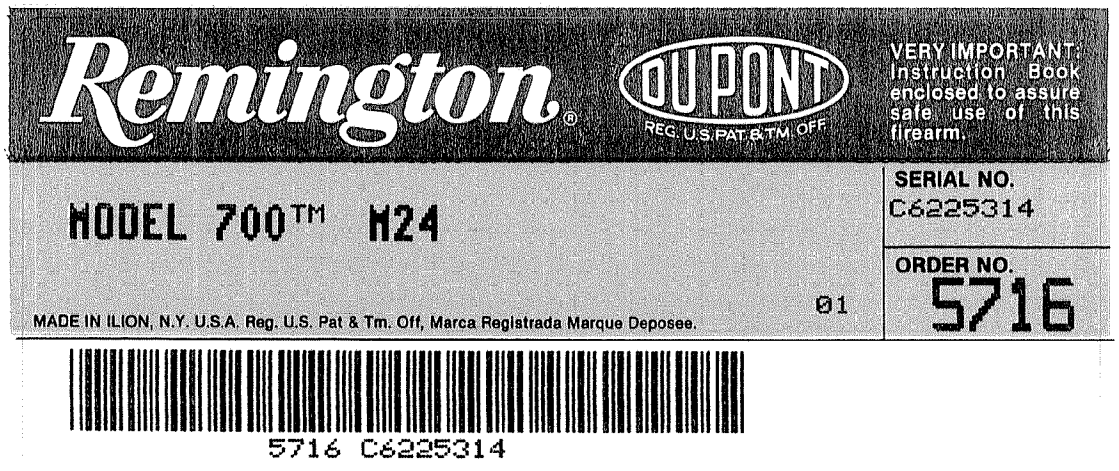
POINT#	X	Y
1:	1.482	-0.350
2:	1.532	0.356
3:	0.322	-0.698
4:	-0.261	-0.872
5:	0.340	0.669
6:	-0.324	0.336
7:	-0.490	-0.020
8:	-1.800	0.291
9:	0.004	2.122
10:	-0.271	2.508

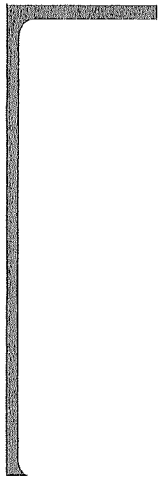


TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92439		
SERIAL NUMBER	C6225314		
LOG-IN DATE	2-3-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-15-05	RTC
560 A	RE-BARREL	8-23-05	RTC
B	DRILL AND TAP	8-25-05	TRW
575	ASSEMBLE	8-24-05	RTC
600	PROOF	8-24-05	AC
605	CHECK HEADSPACE	8-24-05	AC
610	DIS-ASSEMBLE GUN	8-25-05	RTC
612	MAGNAFLUX INSPECTOR	8/25-05	
615	ROLLMARK CALIBER	8-25-05	CW
618	ROTO-BLAST	8-26-05	LB
620	APPLY COATINGS	8/29/05	RB
625 A	FINAL ASSEMBLY	8-31-05	RTC
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	9-6-05	AC
D	SAFETY "OFF" FORCE	9-6-05	AC
E	FIRING PIN INDENT	9-6-05	AC
640	TARGET	9-2-05	TRW
655	FINAL INSPECT	9-6-05	AC
660	PACK	9-6-05	DA
		SHIP DATE	
	QAR INSPECTION DATE		





Scope 0071

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225314

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 17	89	RW
600	Proof	3 17	89	RW
607	Check Headspace			RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		3/21	KCR
	Magnaflux Bolt		3/21	KCR
615	Rollmark Caliber		3/21	[illegible]
617	Drill and Tap Sight Holes	3 22		FB
618	Polish Barrel			BT
620	Apply Coatings (Barrel Action)		3/31/89	[illegible]
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/6/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/6/89	RW
	C) Inspect Ejector Hole for Chamfer		4/6/89	RW
	D) Oil Firing Pin Ass'y		4/6/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/7/89	[illegible]

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			4/10/89	JJ
	G) Safety Off Force	2	2	2			4/10/89	JJ
	H) Trigger Pull Test & Retainability						4/7/89	J.S.
	I) Firing Pin Indent	.021	.022	.022			4/10/89	JJ.
	J) Assemble Stock						4/11/89	RW
	K) Assemble Swivel Studs						14 April 89	JS
	L) Attach Front and Rear Sight Assemblies						4/11/89	RW
	M) Iron Sight Alignment						4/11/89	RW
	N) Detach Front & Rear Sights & place in numbered container						4/11/89	RW
	O) Attach Scope to Rifle						4/11/89	JJ
	P) Detach & Attach Scope 20 Times						4/11/89	JJ
640	Gallery Target & Test	50 R 10 L					4/12/89	DH
	A) Time						4/12/89	DH
	B) Malfunctions						4/12/89	DH
	C) Pierced Primers						4/12/89	DH
	D) Optical Clearity of Scope						4/12/89	DH
645	Inspect for Live Ammo						4/12/89	DH
655	Final Inspection A) Headspace						14 April 89	JS
	B) Trigger Pull	2.57	2.67	2.69	2.66	2.59	14 April 89	JS
	C) Function						14 April 89	JS
660	Pack						20 June 89	JS

SWS TRIGGER PULL TEST

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

SERIAL NO. CB225314
DATE 3/28/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.34	2.33		MIN. SETTING,
PULL #2	2.36	2.32	2.31		NO AVG. OF 5
PULL #3	2.41	2.37	2.35		READINGS ACCEPT-
PULL #4	2.42	2.33	2.33		ABLE LESS THAN 2#
PULL #5	2.44	2.32	2.31		
TOTAL	12.01	11.68	11.63		
AVG.	2.40	2.33	2.32		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.16		—
PULL #2	3.19	3.19		
PULL #3	3.22	3.22		
PULL #4	3.20	3.21		
PULL #5	3.19	3.23		
TOTAL	15.98	16.01		
AVG.	3.19	3.20		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.15		
PULL #2	4.15	4.15		
PULL #3	4.18	4.15		
PULL #4	4.19	4.17		
PULL #5	4.23	4.17		
TOTAL	20.96	20.69		
AVG.	4.19	4.14		

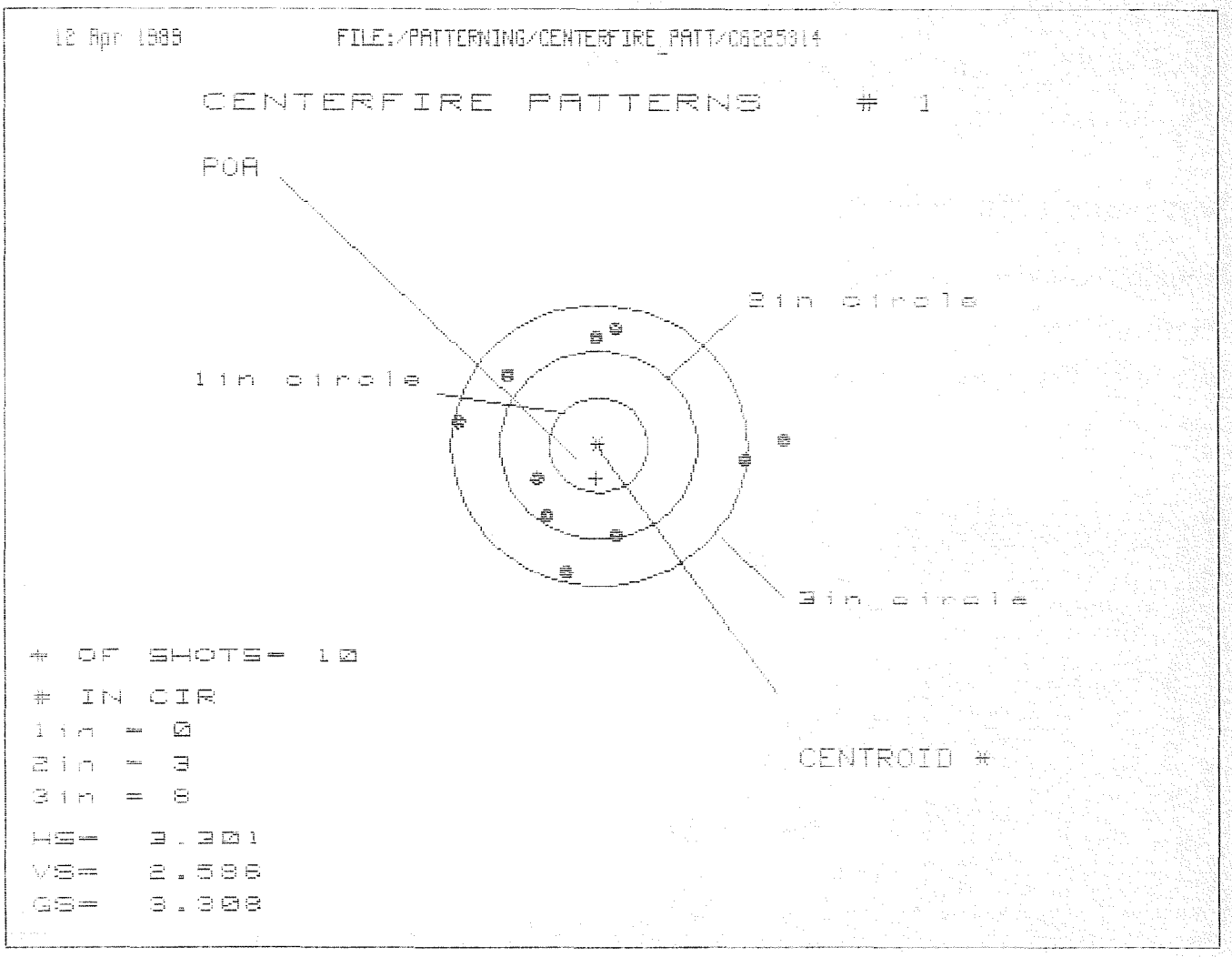
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225314
12 Apr 1989

CENTROIDAL DISTANCES

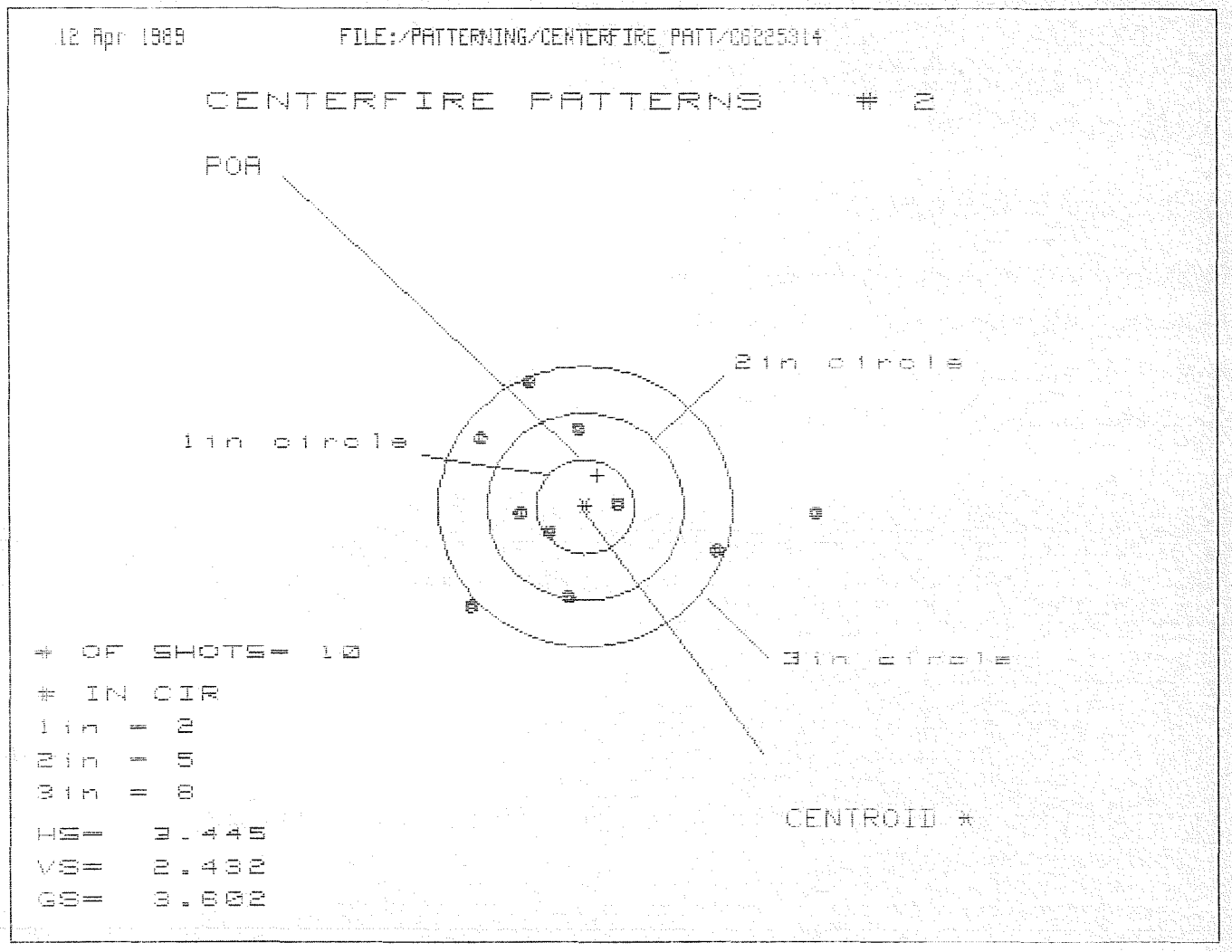
Ø	TO	1	.34897
1	TO	2	.703438
1	TO	3	.902849
1	TO	4	.484232
1	TO	5	.37663

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0746
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.07
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .102299

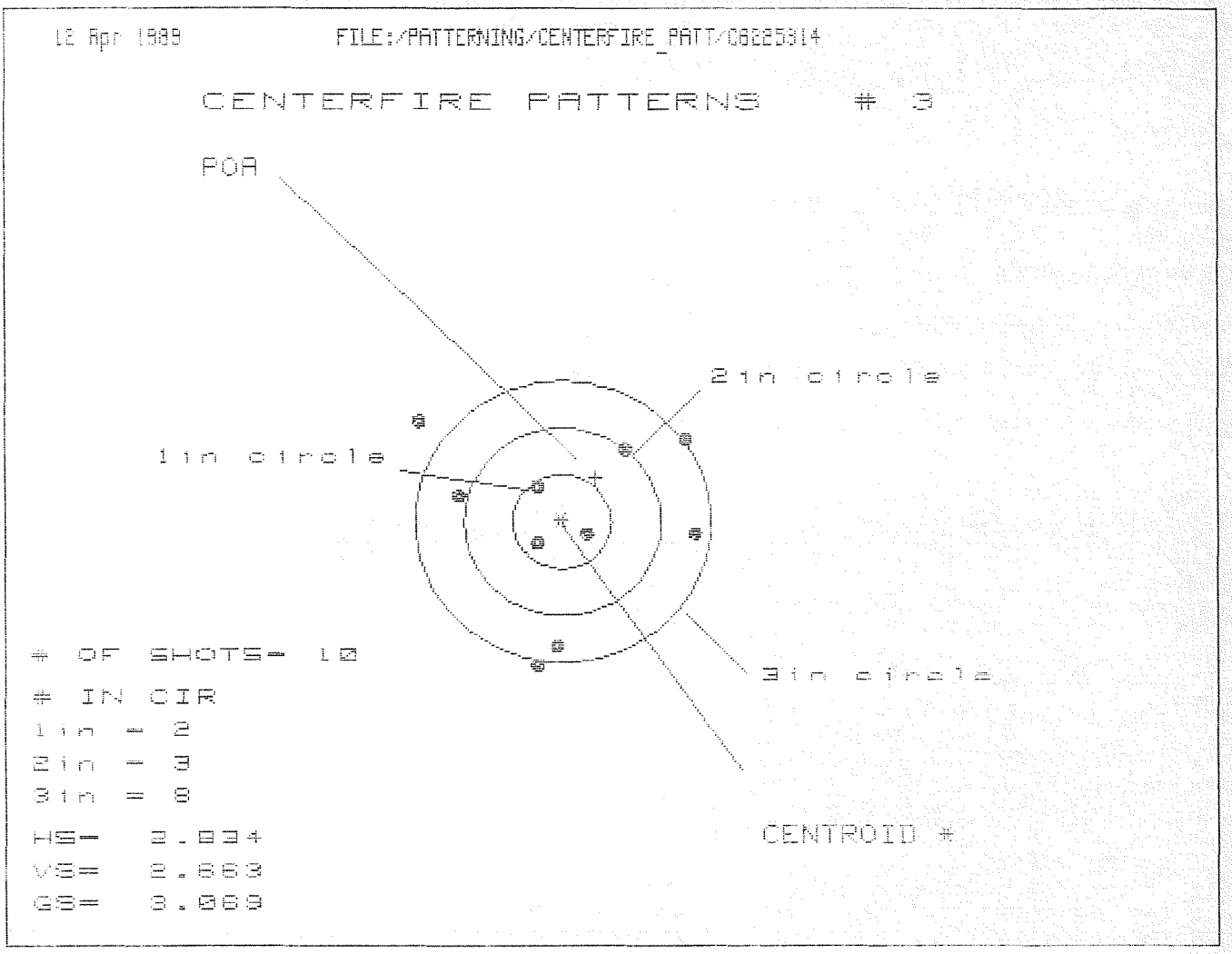
THE AMR FOR THIS RIFLE IS: 1.044



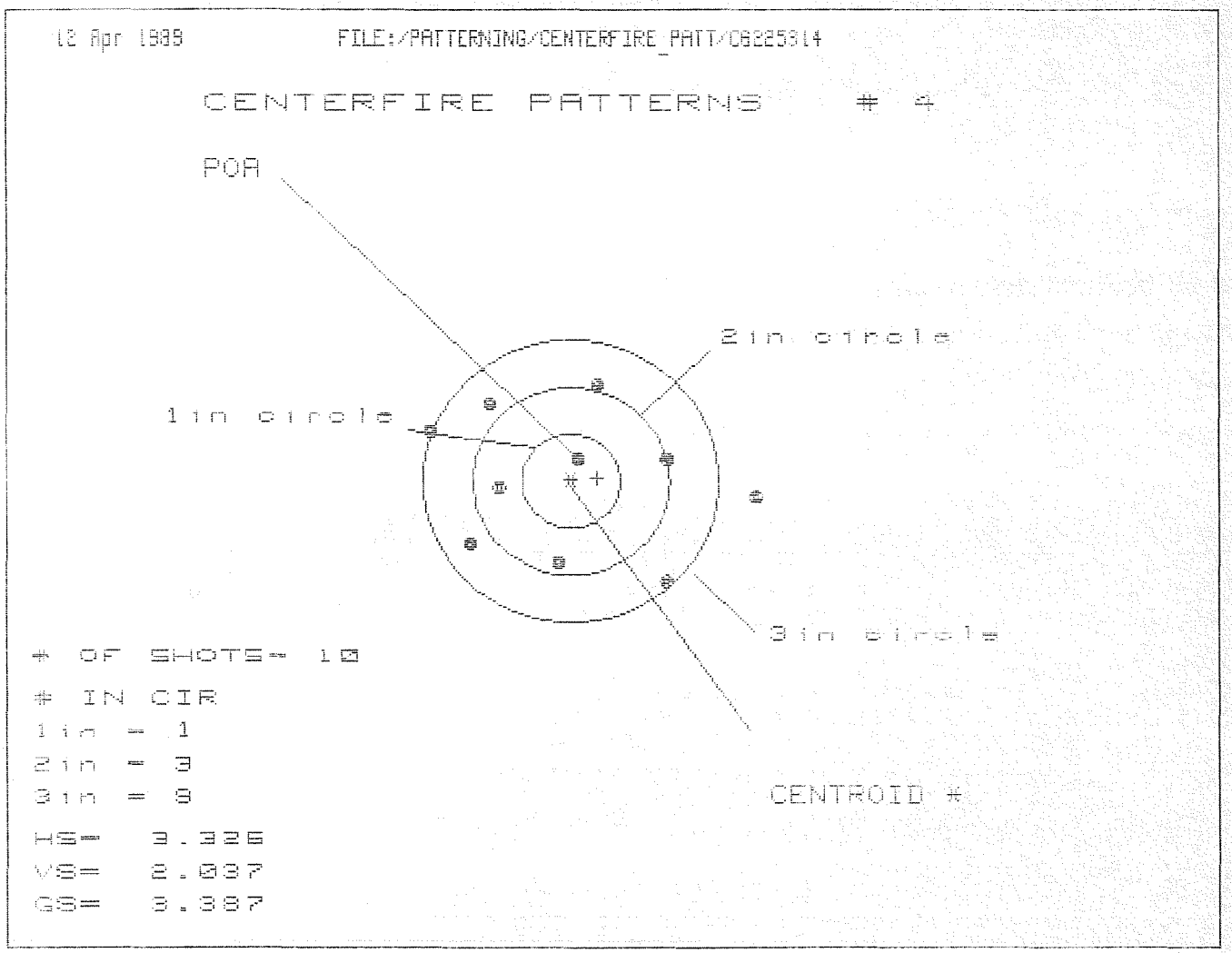
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.917	1.715	.634
MINIMUM X	:	-1.384	-1.171	-.956
MAXIMUM Y	:	1.278	1.284	1.262
MINIMUM Y	:	-1.308	-1.302	-1.324
CENTROID X	:	.026	-.187	-.402
CENTROID Y	:	.348	.342	.364
POA TO CENTROID in.	:	.349	.390	.542
MIN RADIUS	:	.759	.576	.444
MEAN RADIUS	:	1.244	1.131	1.020
MAX RADIUS	:	1.918	1.724	1.413
HORIZONTAL SPREAD	:	3.301	2.886	1.590
VERTICAL SPREAD	:	2.586	2.586	2.586
EXTREME SPREAD	:	3.308	2.920	2.631
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	



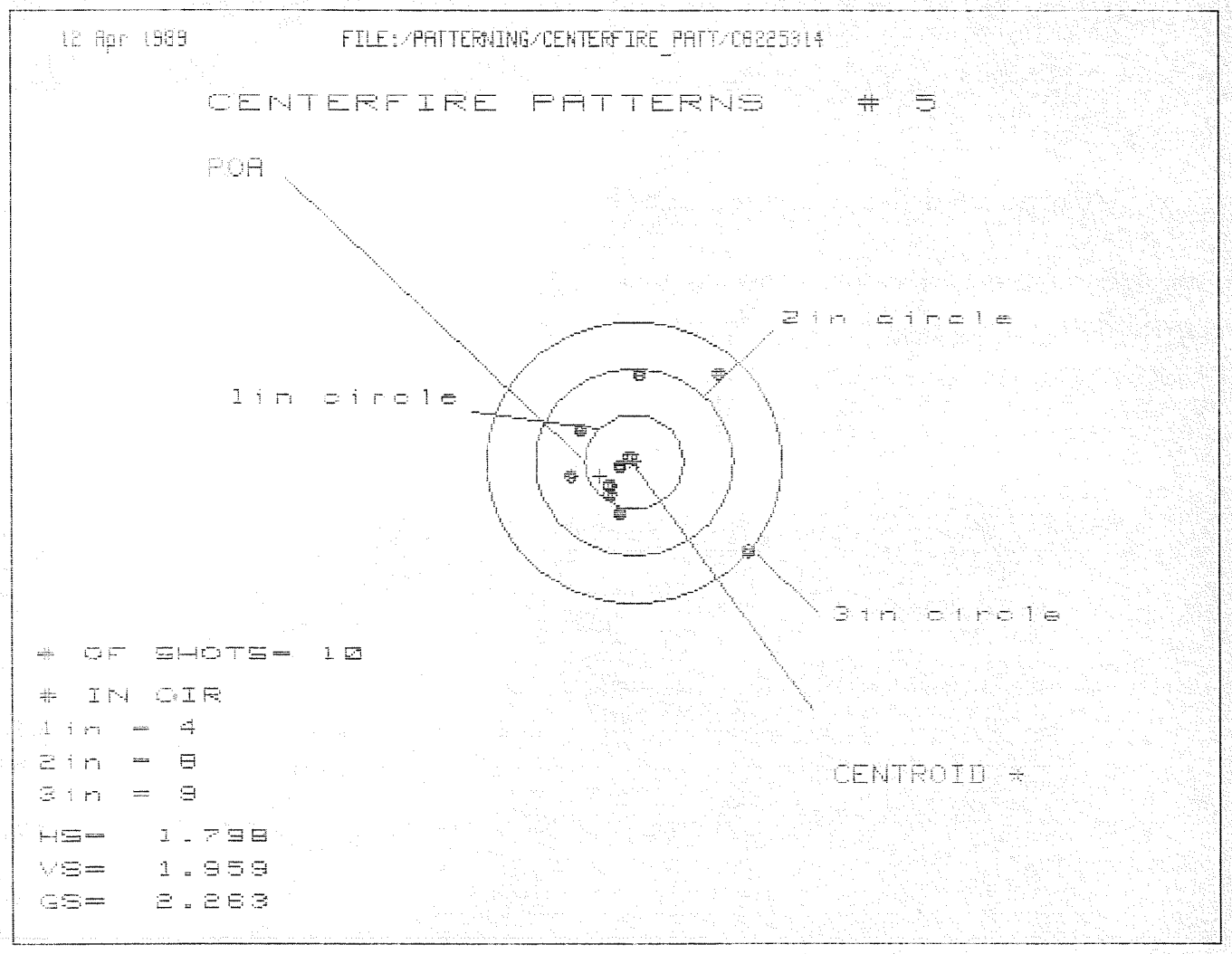
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.311	1.572	1.462
MINIMUM X	:	-1.134	-.877	-.891
MAXIMUM Y	:	1.339	1.335	1.198
MINIMUM Y	:	-1.093	-1.097	-1.128
CENTROID X	:	-.134	-.391	-.281
CENTROID Y	:	-.337	-.333	-.196
POA TO CENTROID in.	:	.363	.513	.342
MIN RADIUS	:	.287	.263	.434
MEAN RADIUS	:	1.118	.946	.894
MAX RADIUS	:	2.311	1.642	1.585
HORIZONTAL SPREAD	:	3.445	2.449	2.353
VERTICAL SPREAD	:	2.432	2.432	2.326
EXTREME SPREAD	:	3.602	2.645	2.645
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.330	1.163	1.112
MINIMUM X	:	-1.504	-1.248	-1.299
MAXIMUM Y	:	1.091	.993	.812
MINIMUM Y	:	-1.572	-1.451	-1.399
CENTROID X	:	-.343	-.176	-.125
CENTROID Y	:	-.476	-.597	-.416
POA TO CENTROID in.	:	.587	.623	.434
MIN RADIUS	:	.276	.081	.184
MEAN RADIUS	:	1.086	.986	.917
MAX RADIUS	:	1.858	1.508	1.433
HORIZONTAL SPREAD	:	2.834	2.411	2.411
VERTICAL SPREAD	:	2.663	2.444	2.211
EXTREME SPREAD	:	3.069	2.837	2.559
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.917	1.221	1.071
MINIMUM X	:	-1.409	-1.196	-.989
MAXIMUM Y	:	1.014	.999	1.060
MINIMUM Y	:	-1.022	-1.038	-.977
CENTROID X	:	-.269	-.482	-.332
CENTROID Y	:	-.036	-.020	-.081
POA TO CENTROID in.	:	.271	.482	.342
MIN RADIUS	:	.249	.331	.305
MEAN RADIUS	:	1.114	1.000	.964
MAX RADIUS	:	1.922	1.562	1.411
HORIZONTAL SPREAD	:	3.326	2.417	2.060
VERTICAL SPREAD	:	2.037	2.037	2.037
EXTREME SPREAD	:	3.387	2.812	2.566
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.153	.979	.272
MINIMUM X	:	-.645	-.516	-.394
MAXIMUM Y	:	.989	.881	.987
MINIMUM Y	:	-.970	-.691	-.585
CENTROID X	:	.347	.218	.096
CENTROID Y	:	.151	.259	.153
POA TO CENTROID in.	:	.378	.339	.181
MIN RADIUS	:	.017	.152	.099
MEAN RADIUS	:	.660	.556	.418
MAX RADIUS	:	1.507	1.293	1.023
HORIZONTAL SPREAD	:	1.798	1.495	.666
VERTICAL SPREAD	:	1.959	1.572	1.572
EXTREME SPREAD	:	2.263	1.859	1.587
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	