C622527S

MODEL 700™ M24

Model SWS™

Action

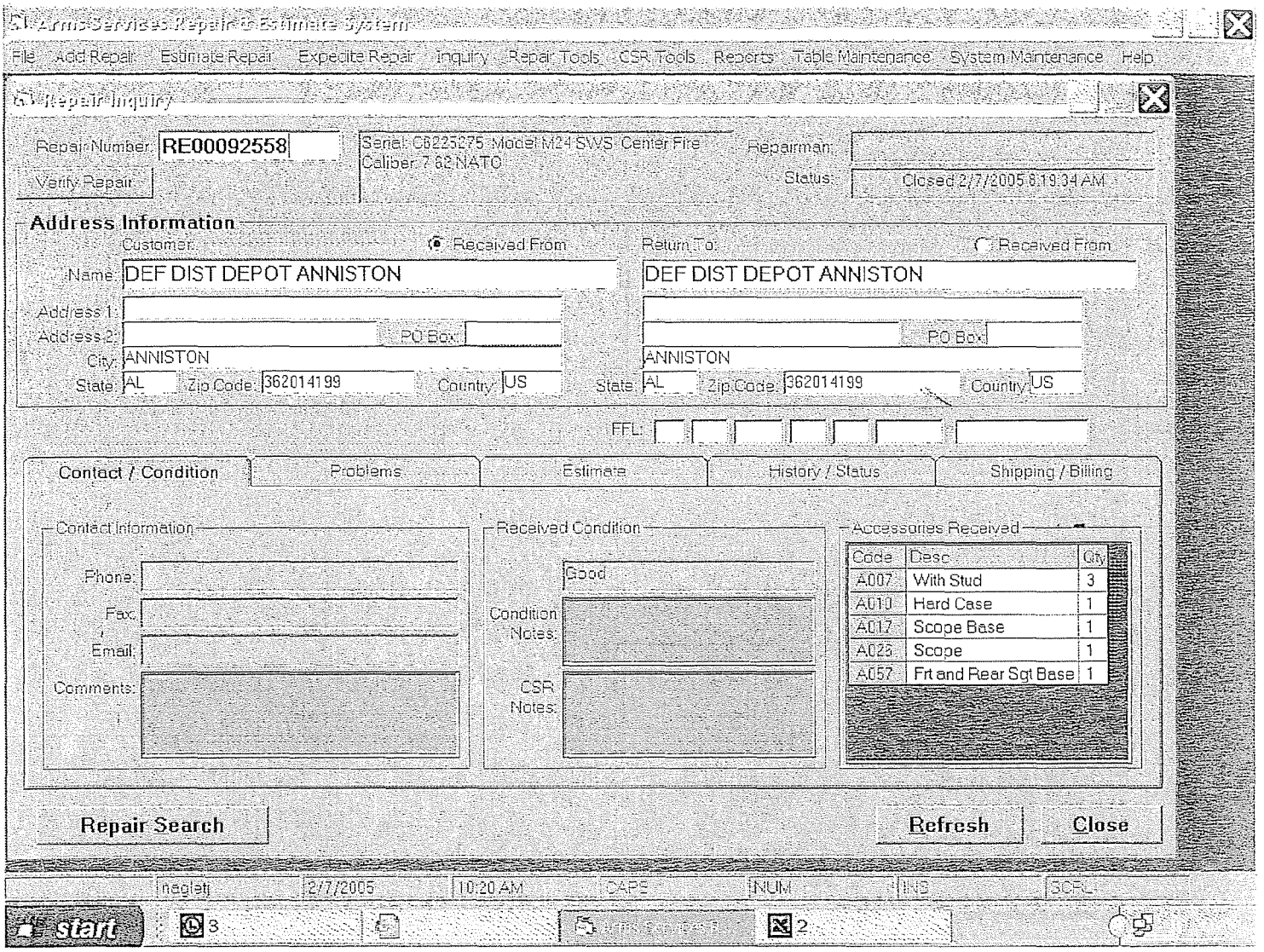
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington®



Serial Number: C6225275

Model: M24 SWS

RE00092558

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225275.__0
FILE DATE AND TIME: 04/19/2005 06:33

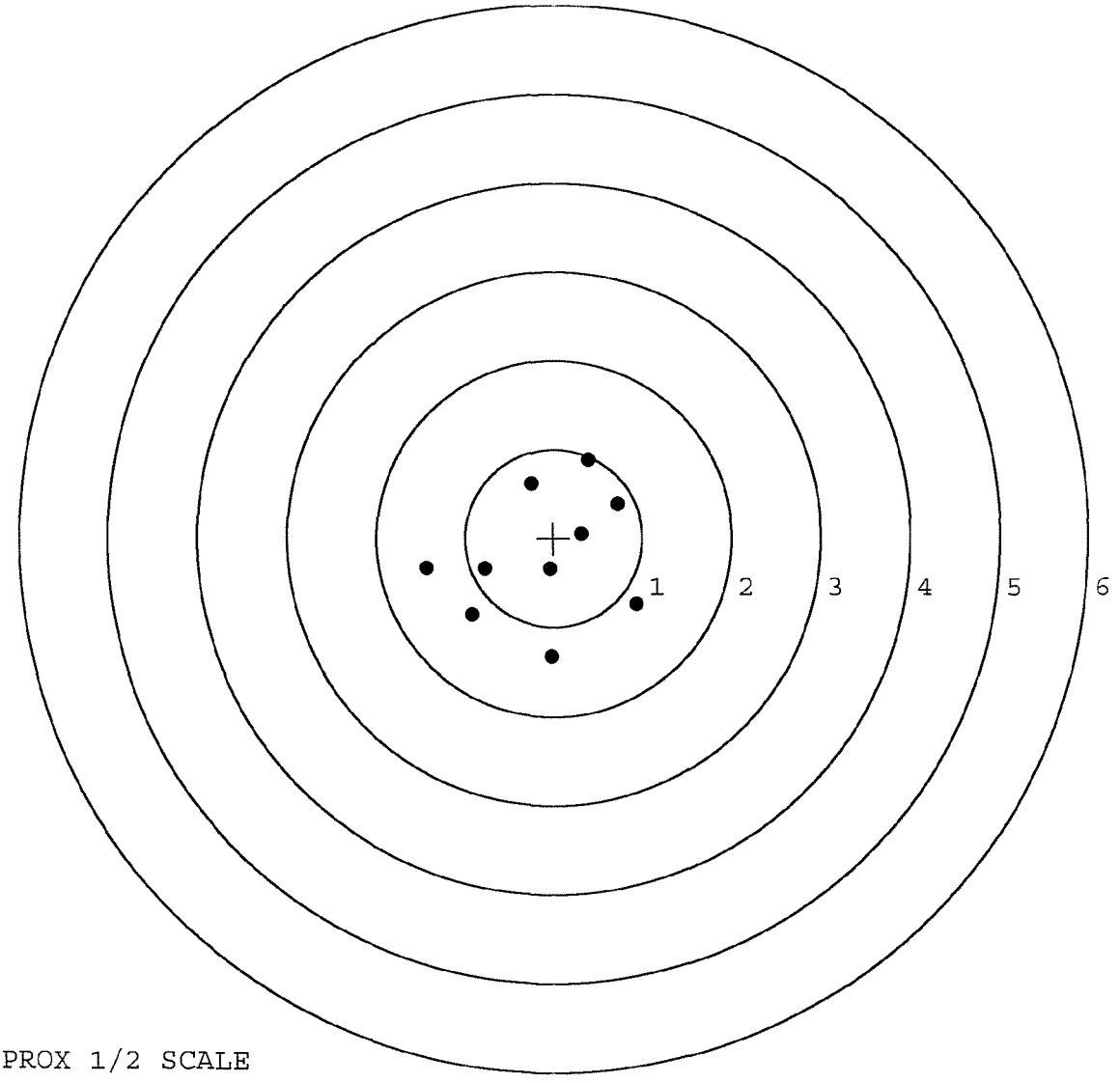
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.034
The Average Y Centroid of the Five Target Set:	-0.047
The Average Point of Impact of the Five Target Set:	0.058
The Average Mean Radius of the Five Target Set:	0.847
The Distance from POA to Centroid Target #1:	0.235
The Distance from Centroid Target #2 to Centroid Target #1:	0.388
The Distance from Centroid Target #3 to Centroid Target #1:	0.293
The Distance from Centroid Target #4 to Centroid Target #1:	0.232
The Distance from Centroid Target #5 to Centroid Target #1:	0.205

SERIAL NUMBER: C6225275.__0
TARGET NUMBER: 1
FILE DATE: 04/19/2005
FILE TIME: 06:33

X CENTROID:	-0.111
Y CENTROID:	-0.207
POA TO CENTROID:	0.235
HORZ SPREAD:	2.369
VERT SPREAD:	2.216
GROUP SPREAD:	2.404
MIN RADIUS:	0.159
MAX RADIUS:	1.329
MEAN RADIUS:	0.908
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	4
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.032	-1.335
2:	0.935	-0.752
3:	0.315	0.053
4:	0.714	0.386
5:	0.391	0.881
6:	-0.256	0.614
7:	-0.045	-0.351
8:	-0.775	-0.351
9:	-0.926	-0.872
10:	-1.434	-0.341

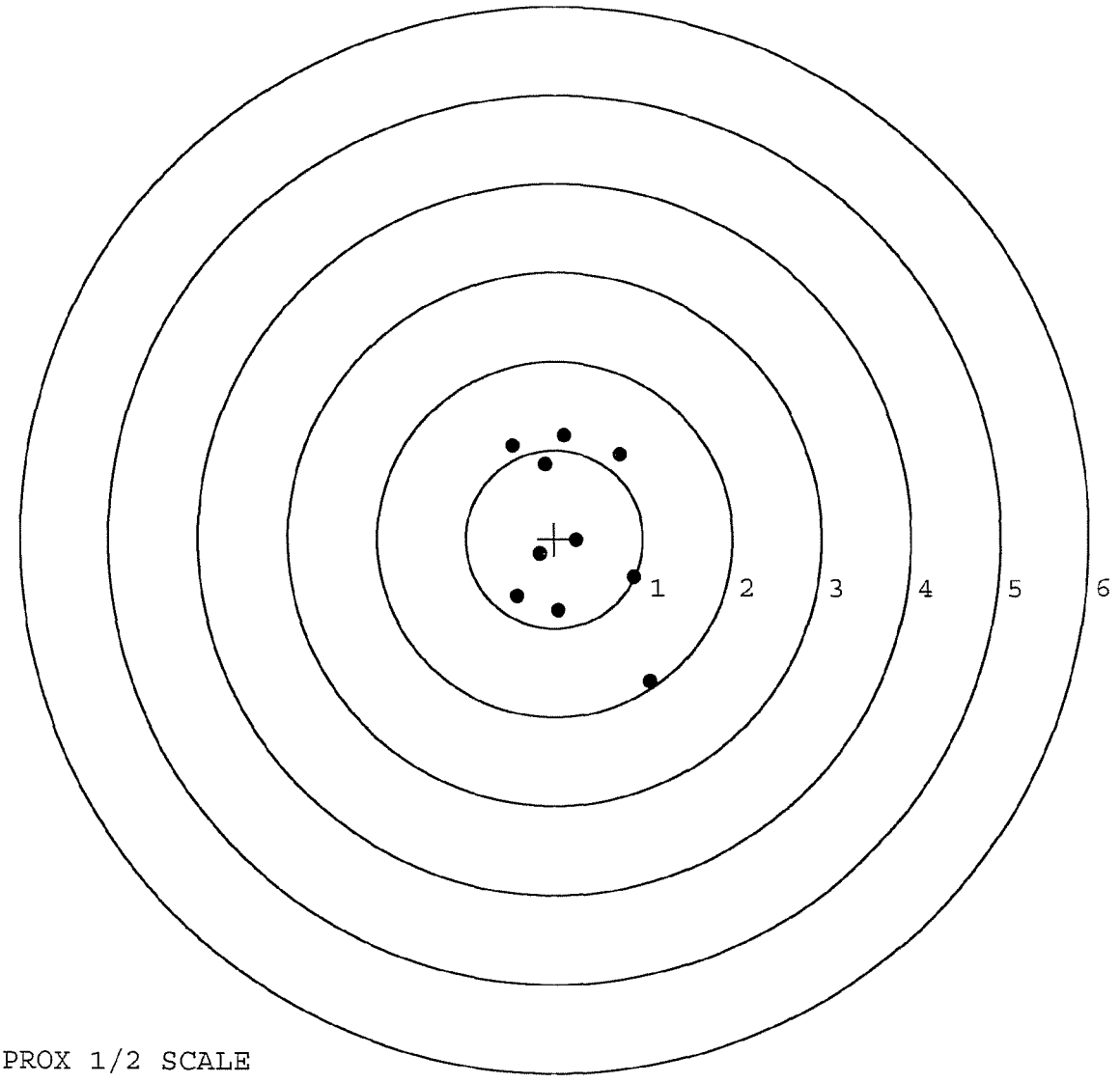


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225275.__0
TARGET NUMBER: 2
FILE DATE: 04/19/2005
FILE TIME: 06:33

X CENTROID:	0.194
Y CENTROID:	0.033
POA TO CENTROID:	0.197
HORZ SPREAD:	1.559
VERT SPREAD:	2.777
GROUP SPREAD:	3.088
MIN RADIUS:	0.073
MAX RADIUS:	1.871
MEAN RADIUS:	0.925
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	1.084	-1.613
2:	0.894	-0.427
3:	0.248	-0.016
4:	0.041	-0.804
5:	-0.172	-0.171
6:	-0.421	-0.646
7:	0.739	0.950
8:	0.109	1.164
9:	-0.109	0.838
10:	-0.475	1.052

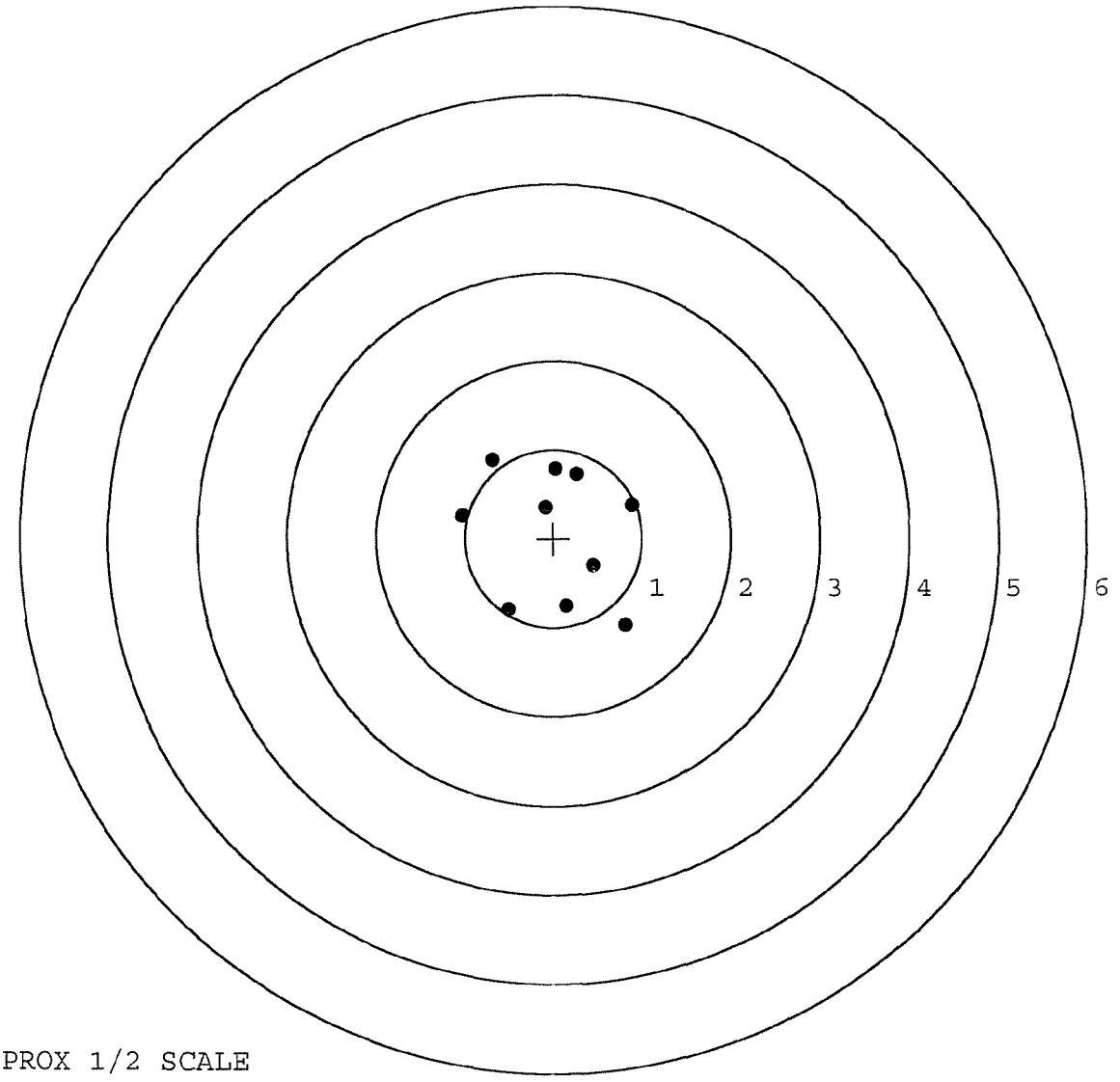


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225275.__0
TARGET NUMBER: 3
FILE DATE: 04/19/2005
FILE TIME: 06:33

X CENTROID:	0.025
Y CENTROID:	0.053
POA TO CENTROID:	0.059
HORZ SPREAD:	1.913
VERT SPREAD:	1.864
GROUP SPREAD:	2.396
MIN RADIUS:	0.320
MAX RADIUS:	1.301
MEAN RADIUS:	0.854
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.817	-0.979
2:	0.447	-0.300
3:	0.882	0.376
4:	0.143	-0.762
5:	-0.510	-0.805
6:	0.265	0.723
7:	-0.098	0.348
8:	0.022	0.785
9:	-0.688	0.885
10:	-1.031	0.259

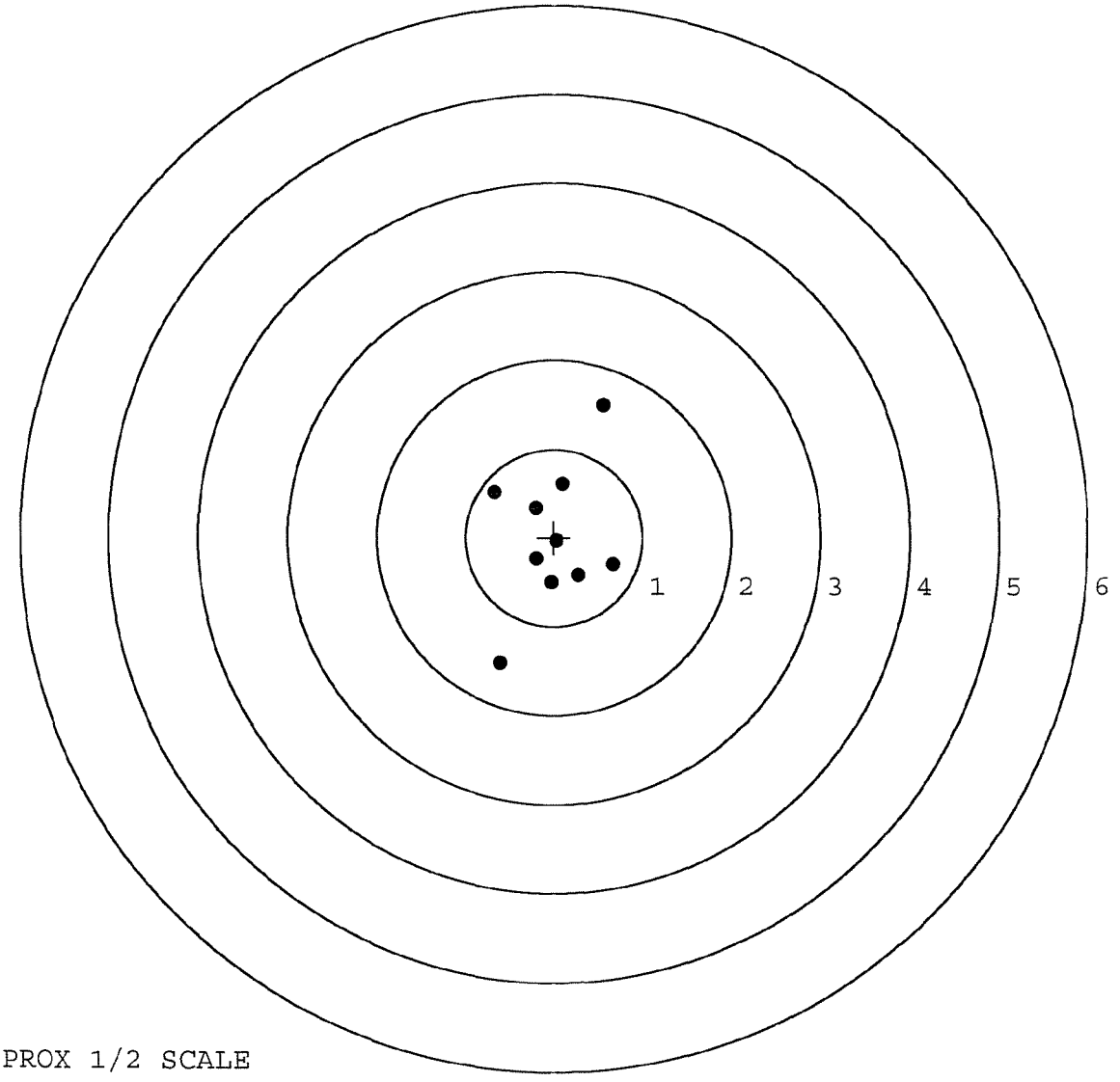


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225275.__0
TARGET NUMBER: 4
FILE DATE: 04/19/2005
FILE TIME: 06:33

X CENTROID:	-0.010
Y CENTROID:	0.002
POA TO CENTROID:	0.011
HORZ SPREAD:	1.346
VERT SPREAD:	2.911
GROUP SPREAD:	3.137
MIN RADIUS:	0.055
MAX RADIUS:	1.599
MEAN RADIUS:	0.714
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	-0.608	-1.415
2:	0.672	-0.305
3:	0.276	-0.430
4:	0.560	1.496
5:	-0.674	0.518
6:	0.100	0.611
7:	-0.213	0.339
8:	0.027	-0.038
9:	-0.204	-0.245
10:	-0.039	-0.510

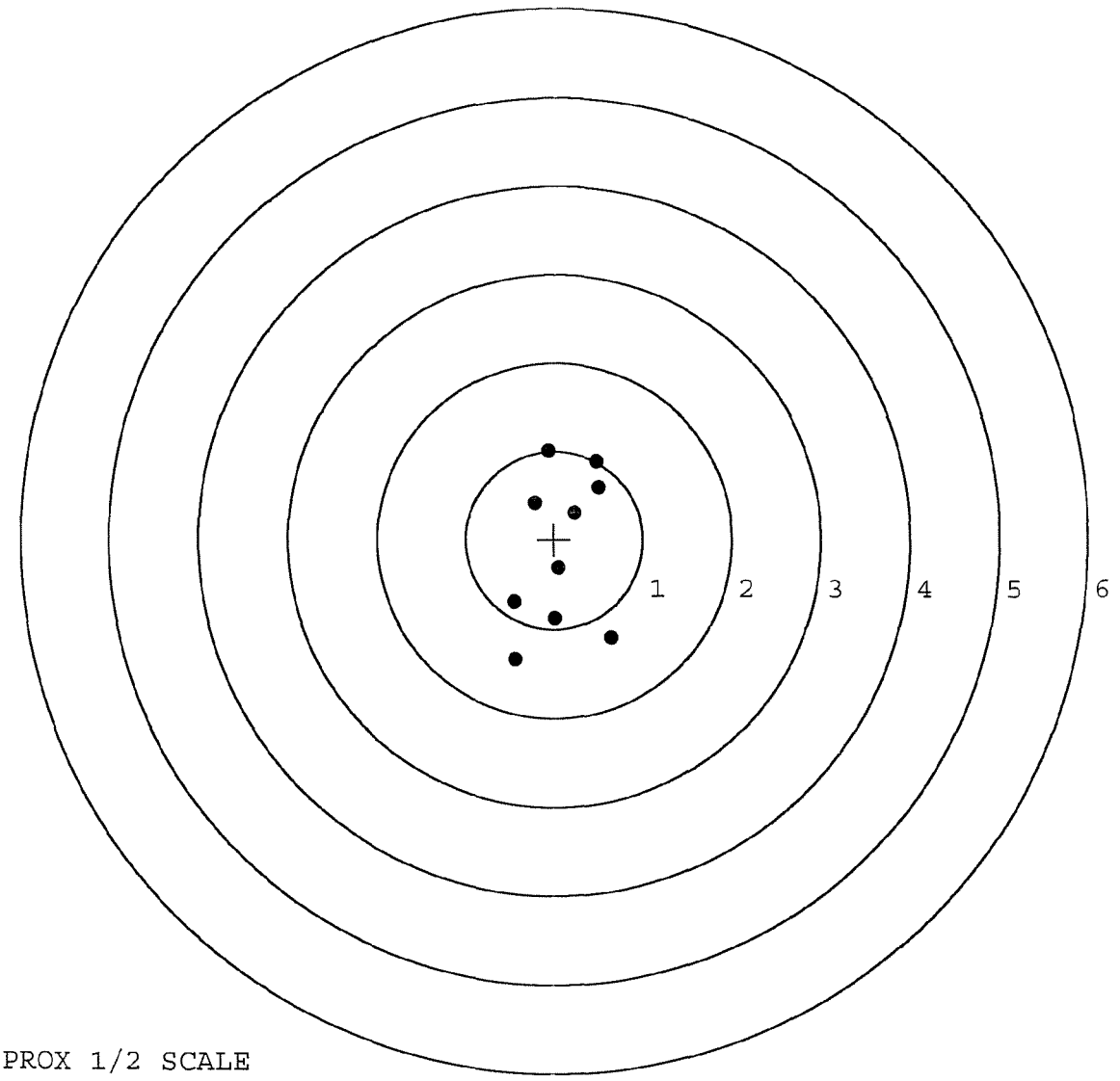


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225275.__0
TARGET NUMBER: 5
FILE DATE: 04/19/2005
FILE TIME: 06:33

X CENTROID:	0.072
Y CENTROID:	-0.114
POA TO CENTROID:	0.135
HORZ SPREAD:	1.106
VERT SPREAD:	2.349
GROUP SPREAD:	2.422
MIN RADIUS:	0.209
MAX RADIUS:	1.336
MEAN RADIUS:	0.835
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	10

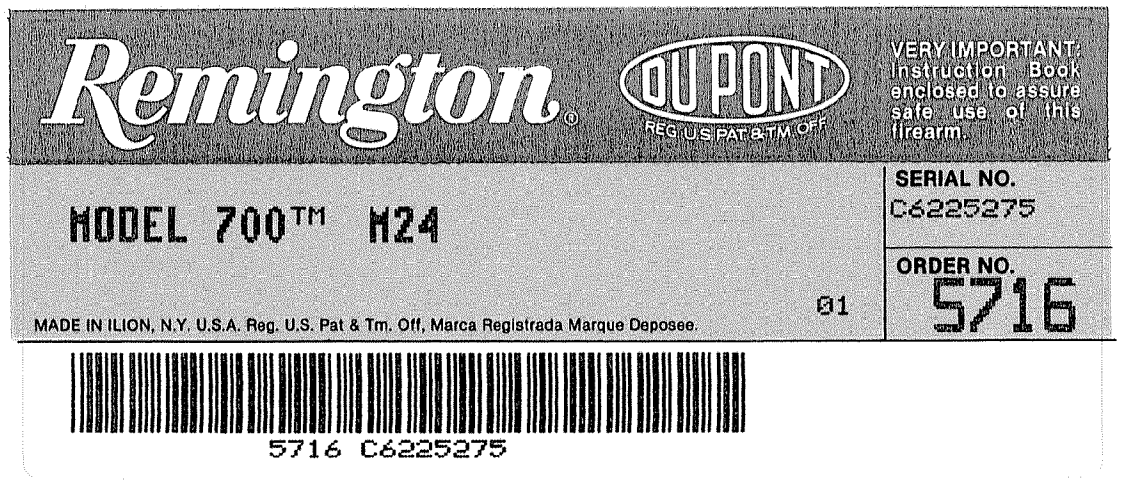
POINT#	X	Y
1:	0.652	-1.094
2:	0.000	-0.892
3:	-0.454	-0.701
4:	0.053	-0.322
5:	-0.446	-1.346
6:	0.227	0.302
7:	0.506	0.597
8:	0.479	0.892
9:	-0.072	1.003
10:	-0.226	0.419



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92558		
SERIAL NUMBER	C6225275		
LOG-IN DATE	2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-14-05	RTL
560 A	RE-BARREL	3-17-05	RTL
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTL
600	PROOF	3-21-05	AC
605	CHECK HEADSPACE	3-21-05	AC
610	DIS-ASSEMBLE GUN	3-21-05	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3/29	
620	APPLY COATINGS	4/5	
625 A	FINAL ASSEMBLY	4-15-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	4-21-05	AC
D	SAFETY "OFF" FORCE	4-21-05	AC
E	FIRING PIN INDENT	4-21-05	AC
640	TARGET	4-19-05	AC
655	FINAL INSPECT	4-21-05	AC
660	PACK	4-22-05	DA
		SHIP DATE	
	QAR INSPECTION DATE		



Scope 0514

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225275

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 21 89		RW
600	Proof	4 21 89		RW
607	Check Headspace	4 21 89		RW
610	Dis-assemble Gun	4 21 89		RW
612	Magnaflux Barrel Action		4/26	KCR
	Magnaflux Bolt		4/27	KCR
615	Rollmark Caliber		4/27	GL
617	Drill and Tap Sight Holes	4 27 89		YB
618	Polish Barrel RB	4 27 89		BT
620	Apply Coatings (Barrel Action)		5/15/89	TB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/17/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/12/89	RW
	C) Inspect Ejector Hole for Chamfer		5/17/89	RW
	D) Oil Firing Pin Ass'y		5/17/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/23/89	GS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/2	4			5/23/89	CWB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			5/23/89	CWB
	H) Trigger Pull Test & Retainability						5/23/89	G.S.
	I) Firing Pin Indent	.022	.0217	.0215			5/23/89	CWB
	J) Assemble Stock						5/24/89	RW
	K) Assemble Swivel Studs						25May89	GS
	L) Attach Front and Rear Sight Assemblies						5/24/89	RW
	M) Iron Sight Alignment						5/24/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/24/89	RW
	O) Attach Scope to Rifle						5/24/89	DH
	P) Detach & Attach Scope 20 Times						5/24/89	DH
640	Gallery Target & Test	48 R	109 L				5/24/89	DH
	A) Time						5/24/89	DH
	B) Malfunctions						5/24/89	DH
	C) Pierced Primers						5/24/89	DH
	D) Optical Clearity of Scope						5/24/89	DH
645	Inspect for Live Ammo						5/24/89	DH
655	Final Inspection A) Headspace						25May89	GS
	B) Trigger Pull	2.43	2.64	2.65	2.58	2.66	25May89	GS
	C) Function						25May89	GS
660	Pack						26June89	GS

SWS TRIGGER PULL TEST

5-275

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

SERIAL NO. ~~C6349155~~
DATE 6 NOV 89
TESTER 928

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	220	208	262	266	MIN. SETTING,
PULL #2	218	223	249	278	NO AVG. OF 5
PULL #3	220	215	273	273	READINGS ACCEPT-
PULL #4	210	227	229	277	ABLE LESS THAN 2#
PULL #5	213	247	250	275	
TOTAL	1081	1120	1263	1369	
AVG.	2.162	2.24	2.526	2.738	

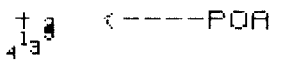
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	2.72		
PULL #2	3.40	2.75		
PULL #3	3.19	2.93		
PULL #4	3.38	3.28		
PULL #5	3.28	3.12		
TOTAL	16.43	14.80		
AVG.	3.286	2.96		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	3.93		4.15
PULL #2	4.12	4.12		3.99
PULL #3	4.10	4.14		4.10
PULL #4	4.30	4.20		4.01
PULL #5	4.11	4.26		4.21
TOTAL	20.86	20.65		20.46
AVG.	4.172	4.13		4.092

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225275
30 May 1989

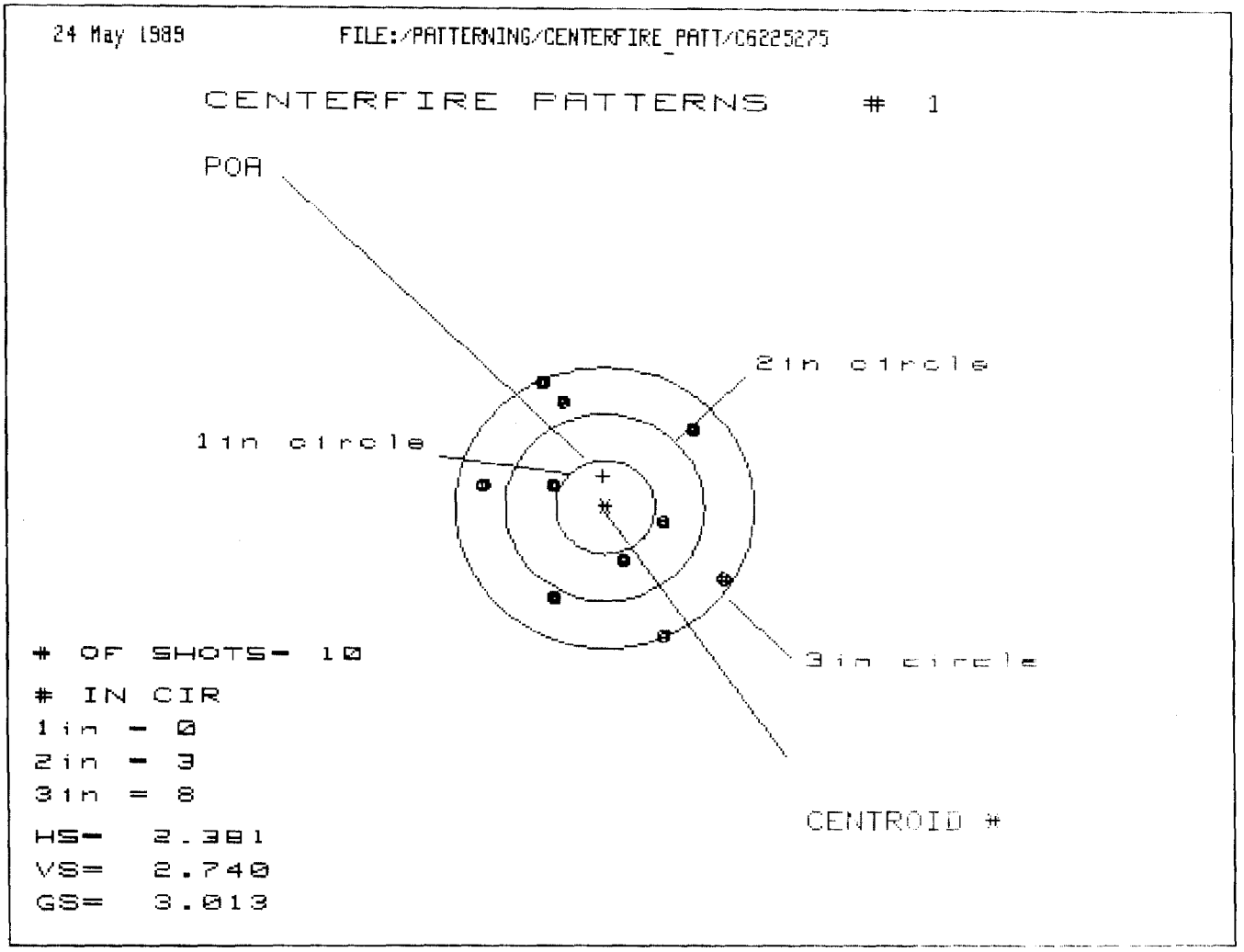
CENTROIDAL DISTANCES

0	TO	1	.336482
1	TO	2	.533526
1	TO	3	.277851
1	TO	4	.357498
1	TO	5	.481486

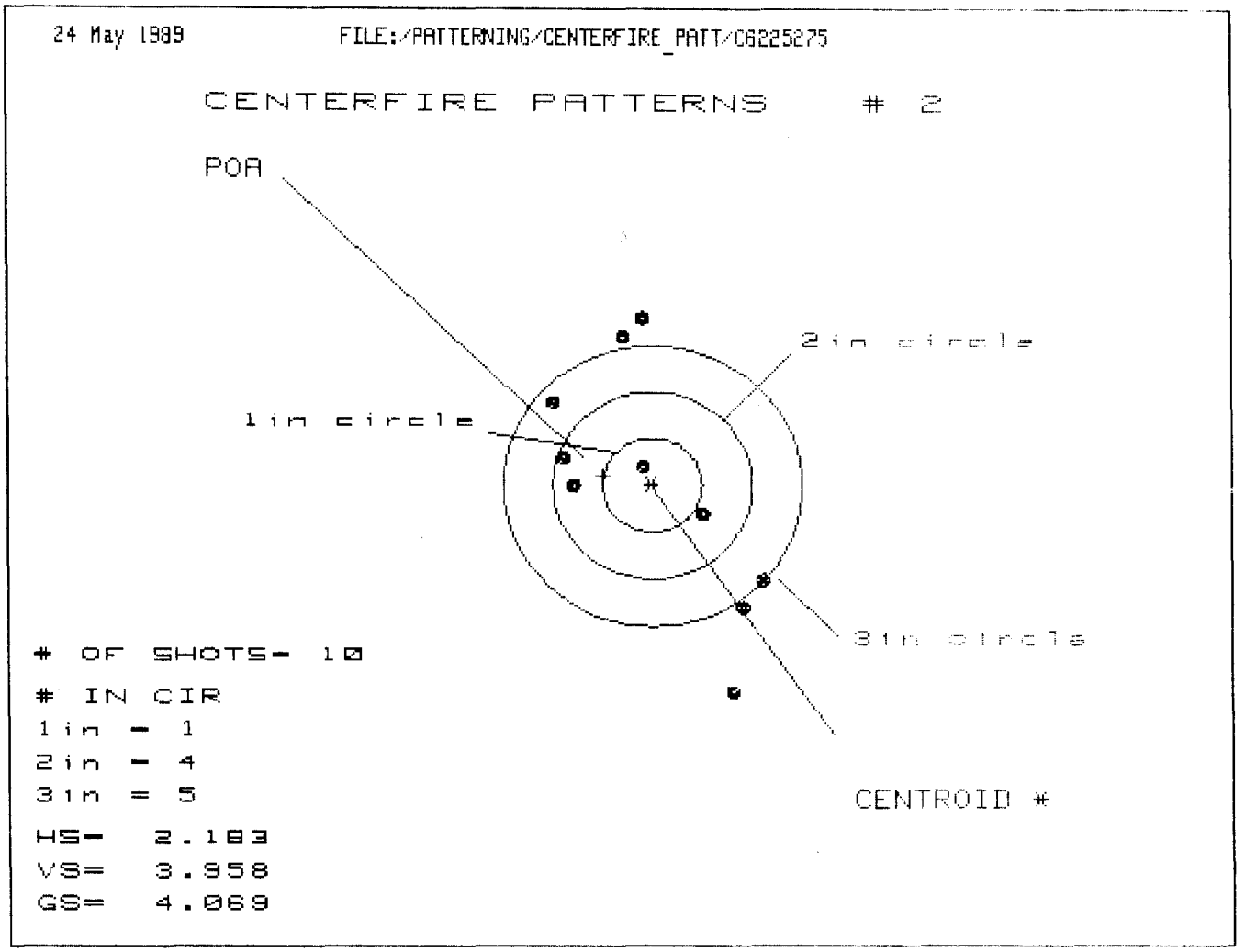


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2058
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.3608
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .415368

THE AMR FOR THIS RIFLE IS: 1.05



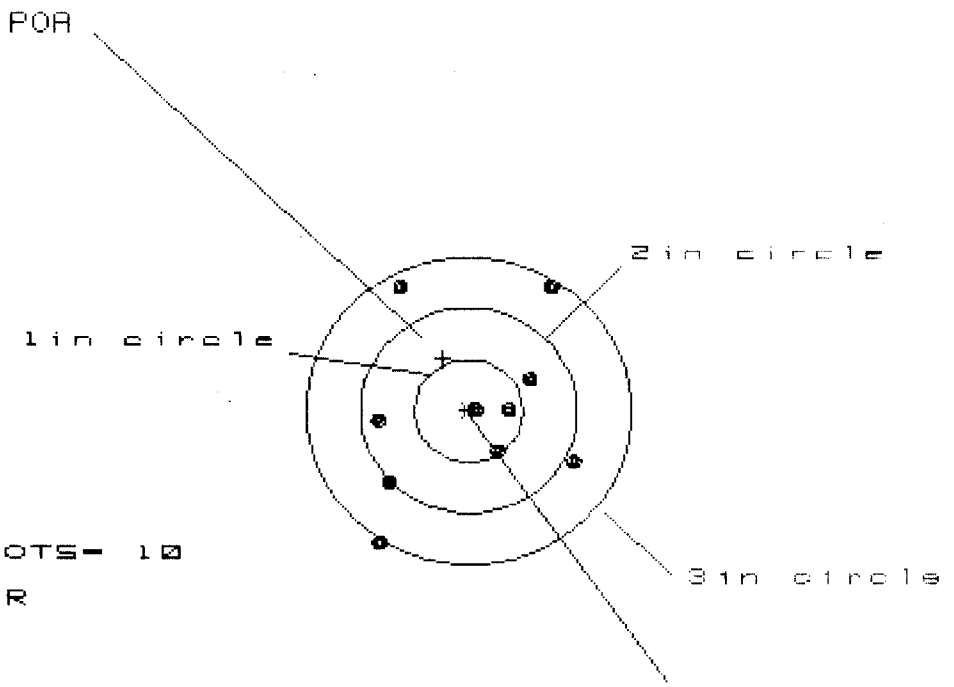
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.141	1.211	1.141
MINIMUM X	:	-1.240	-1.170	-1.240
MAXIMUM Y	:	1.365	1.212	1.142
MINIMUM Y	:	-1.375	-1.075	-.924
CENTROID X	:	.018	-.052	.018
CENTROID Y	:	-.336	-.183	-.334
POA TO CENTROID in.	:	.336	.190	.335
MIN RADIUS	:	.574	.492	.574
MEAN RADIUS	:	1.087	1.037	.983
MAX RADIUS	:	1.511	1.493	1.350
HORIZONTAL SPREAD	:	2.381	2.381	2.381
VERTICAL SPREAD	:	2.740	2.287	2.066
EXTREME SPREAD	:	3.013	2.734	2.571
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	:	1.148	1.243	1.243
MINIMUM X	:	-1.035	-.940	-.940
MAXIMUM Y	:	1.777	1.534	1.508
MINIMUM Y	:	-2.181	-1.541	-1.349
CENTROID X	:	.495	.400	.400
CENTROID Y	:	-.097	.146	-.046
POA TO CENTROID in.	:	.504	.426	.402
MIN RADIUS	:	.260	.052	.174
MEAN RADIUS	:	1.275	1.110	1.060
MAX RADIUS	:	2.342	1.814	1.654
HORIZONTAL SPREAD	:	2.183	2.183	2.183
VERTICAL SPREAD	:	3.958	3.075	2.857
EXTREME SPREAD	:	4.069	3.219	3.100
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

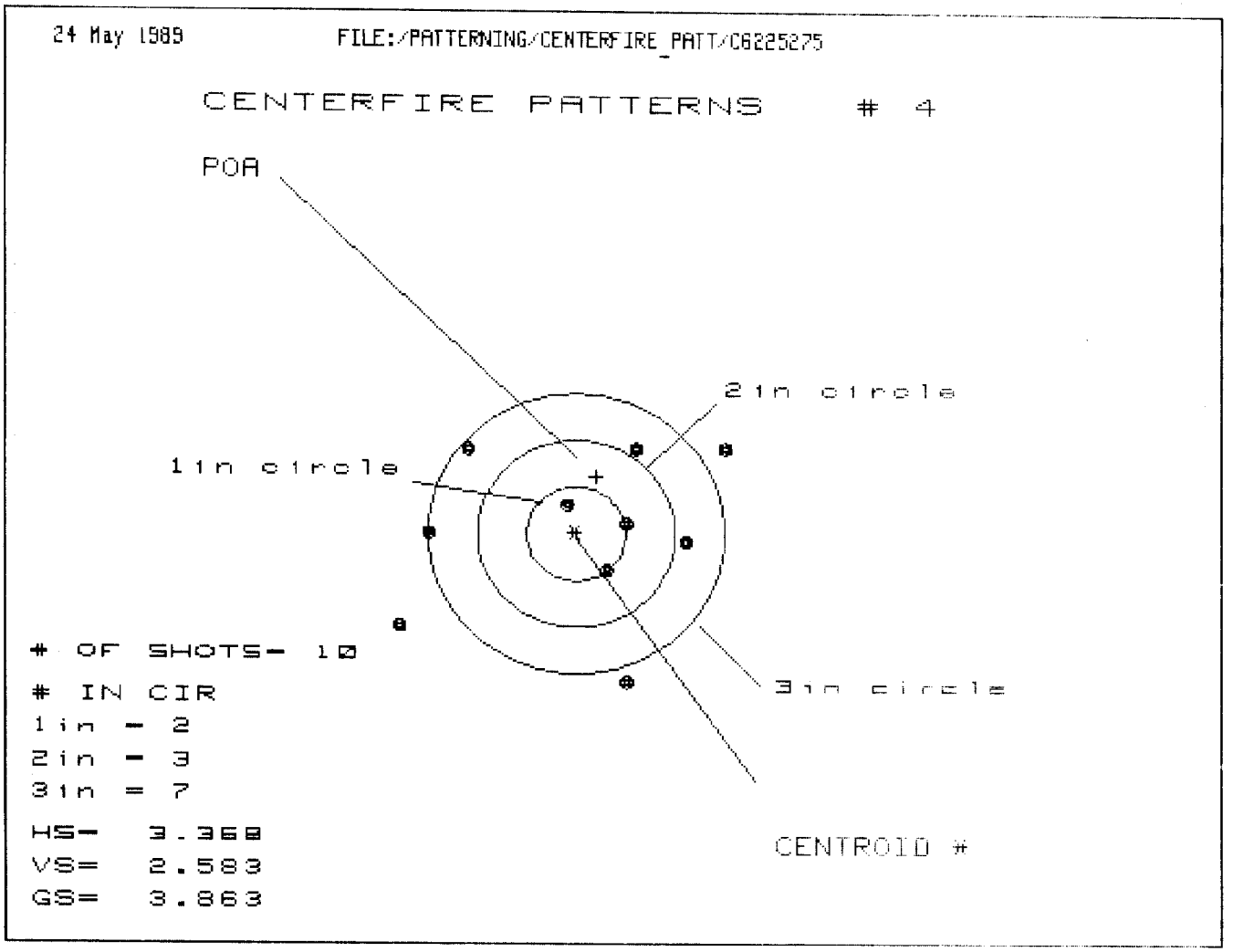
24 May 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225275

CENTERFIRE PATTERNS # 3

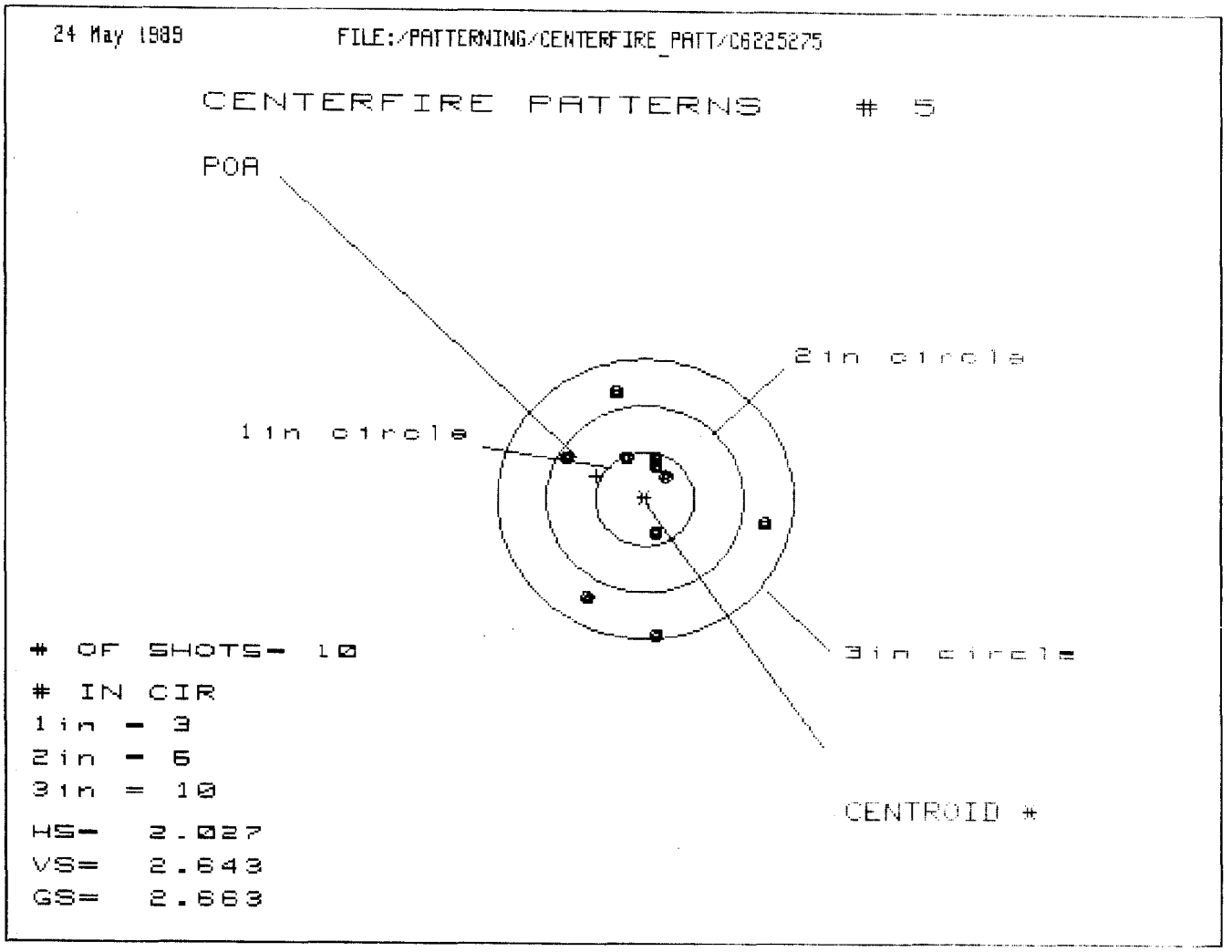


# OF SHOTS= 10
# IN CIR
1in = 3
2in = 6
3in = 9
HS= 1.804
VS= 2.516
GS= 2.972

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.962	.870	.952
MINIMUM X	:	-.842	-.934	-.852
MAXIMUM Y	:	1.258	1.118	1.173
MINIMUM Y	:	-1.258	-.781	-.641
CENTROID X	:	.233	.325	.243
CENTROID Y	:	-.512	-.372	-.512
POA TO CENTROID in.	:	.562	.494	.567
MIN RADIUS	:	.036	.152	.026
MEAN RADIUS	:	.881	.812	.727
MAX RADIUS	:	1.509	1.296	1.336
HORIZONTAL SPREAD	:	1.804	1.804	1.804
VERTICAL SPREAD	:	2.516	1.899	1.814
EXTREME SPREAD	:	2.972	2.407	2.284
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	:	1.554	1.352	1.065
MINIMUM X	:	-1.814	-1.658	-1.489
MAXIMUM Y	:	.955	.842	.938
MINIMUM Y	:	-1.628	-1.741	-1.645
CENTROID X	:	-.208	-.006	-.175
CENTROID Y	:	-.613	-.500	-.596
POA TO CENTROID in.	:	.647	.500	.621
MIN RADIUS	:	.324	.277	.319
MEAN RADIUS	:	1.197	1.055	1.007
MAX RADIUS	:	2.078	1.762	1.704
HORIZONTAL SPREAD	:	3.368	3.010	2.554
VERTICAL SPREAD	:	2.583	2.583	2.583
EXTREME SPREAD	:	3.863	3.139	2.984
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.256	1.265	.364
MINIMUM X	:	-.771	-.762	-.604
MAXIMUM Y	:	1.182	1.019	.963
MINIMUM Y	:	-1.461	-1.194	-1.250
CENTROID X	:	.491	.482	.324
CENTROID Y	:	-.246	-.083	-.027
POA TO CENTROID in.	:	.549	.489	.325
MIN RADIUS	:	.293	.182	.262
MEAN RADIUS	:	.809	.691	.612
MAX RADIUS	:	1.464	1.343	1.321
HORIZONTAL SPREAD	:	2.027	2.027	.968
VERTICAL SPREAD	:	2.643	2.213	2.213
EXTREME SPREAD	:	2.663	2.240	2.240
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	