4- C6498846

MODEL 700™ M24

Model SWS ™

Action

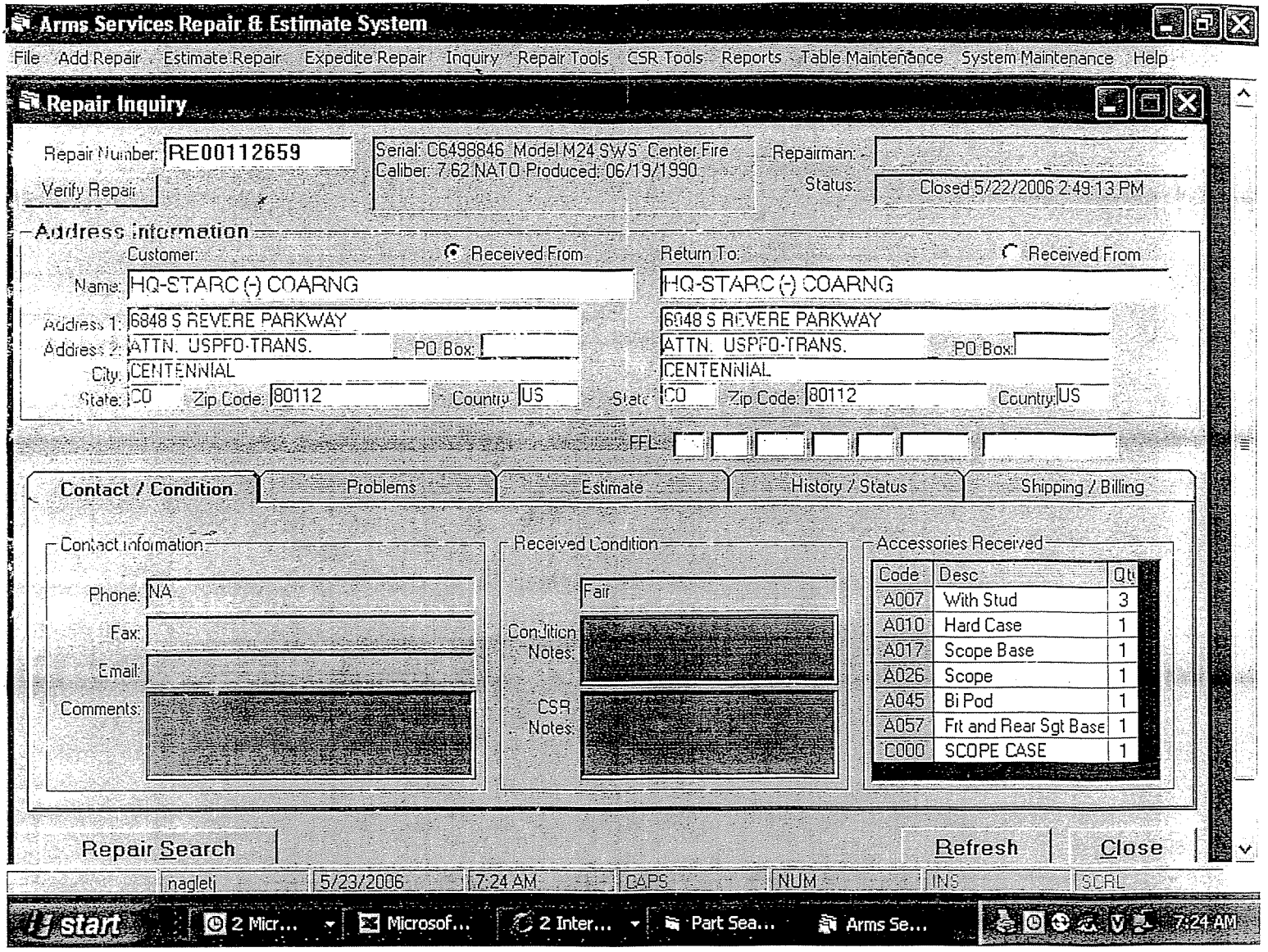
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington



Serial Number: C6498846

Model: M24 SWS

RE00112659

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498846.__0
FILE DATE AND TIME: 06/14/2006 16:26

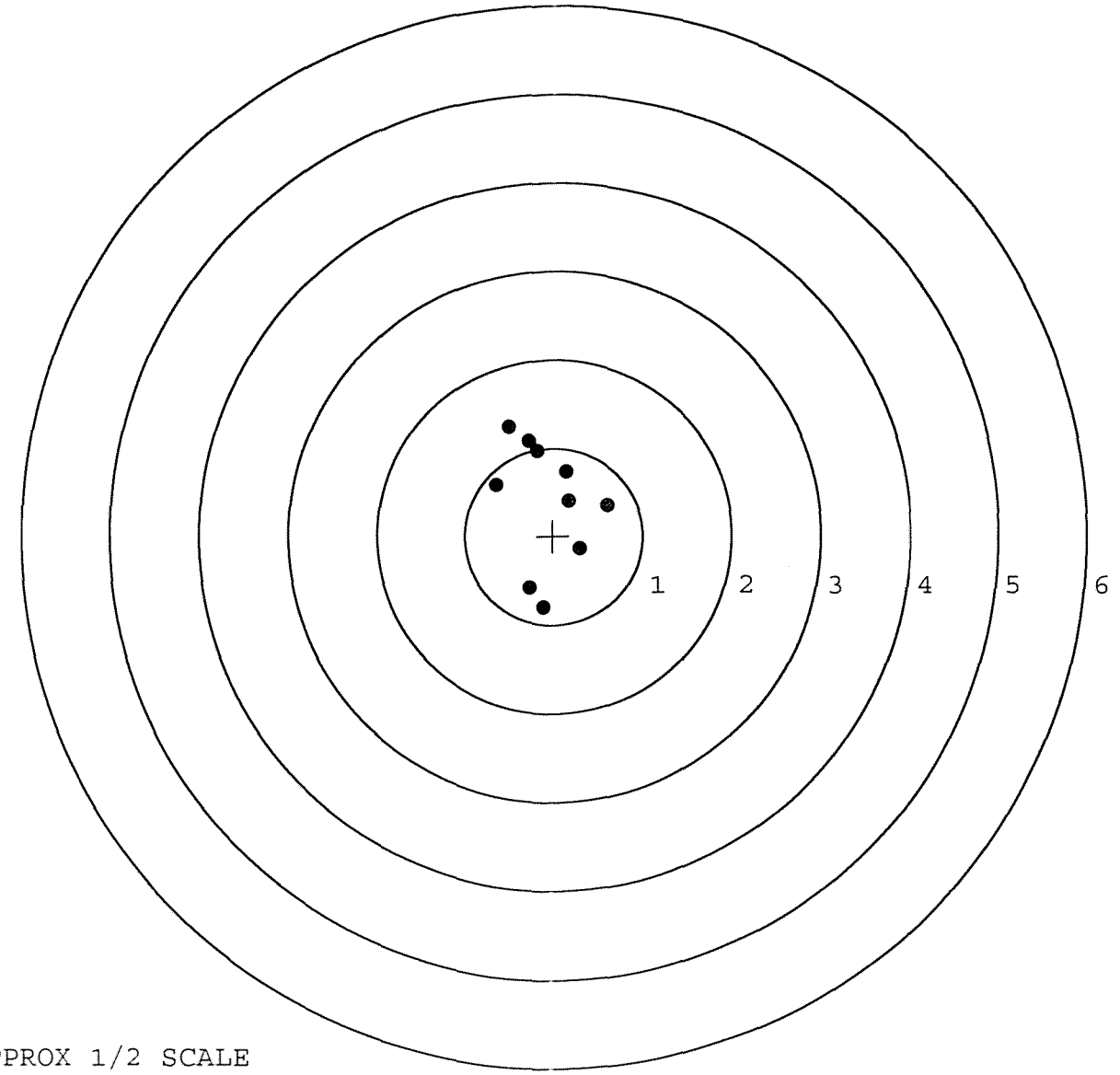
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.019
The Average Y Centroid of the Five Target Set:	0.080
The Average Point of Impact of the Five Target Set:	0.082
The Average Mean Radius of the Five Target Set:	0.589
The Distance from POA to Centroid Target #1:	0.389
The Distance from Centroid Target #2 to Centroid Target #1:	0.369
The Distance from Centroid Target #3 to Centroid Target #1:	0.475
The Distance from Centroid Target #4 to Centroid Target #1:	0.477
The Distance from Centroid Target #5 to Centroid Target #1:	0.329

SERIAL NUMBER: C6498846.__0
TARGET NUMBER: 1
FILE DATE: 06/14/2006
FILE TIME: 16:26

X CENTROID:	-0.075
Y CENTROID:	0.382
POA TO CENTROID:	0.389
HORZ SPREAD:	1.251
VERT SPREAD:	2.052
GROUP SPREAD:	2.091
MIN RADIUS:	0.254
MAX RADIUS:	1.191
MEAN RADIUS:	0.708
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.647	0.586
2:	-0.511	1.243
3:	-0.280	1.084
4:	-0.181	0.971
5:	0.149	0.730
6:	0.178	0.397
7:	0.302	-0.149
8:	0.604	0.353
9:	-0.262	-0.587
10:	-0.107	-0.809

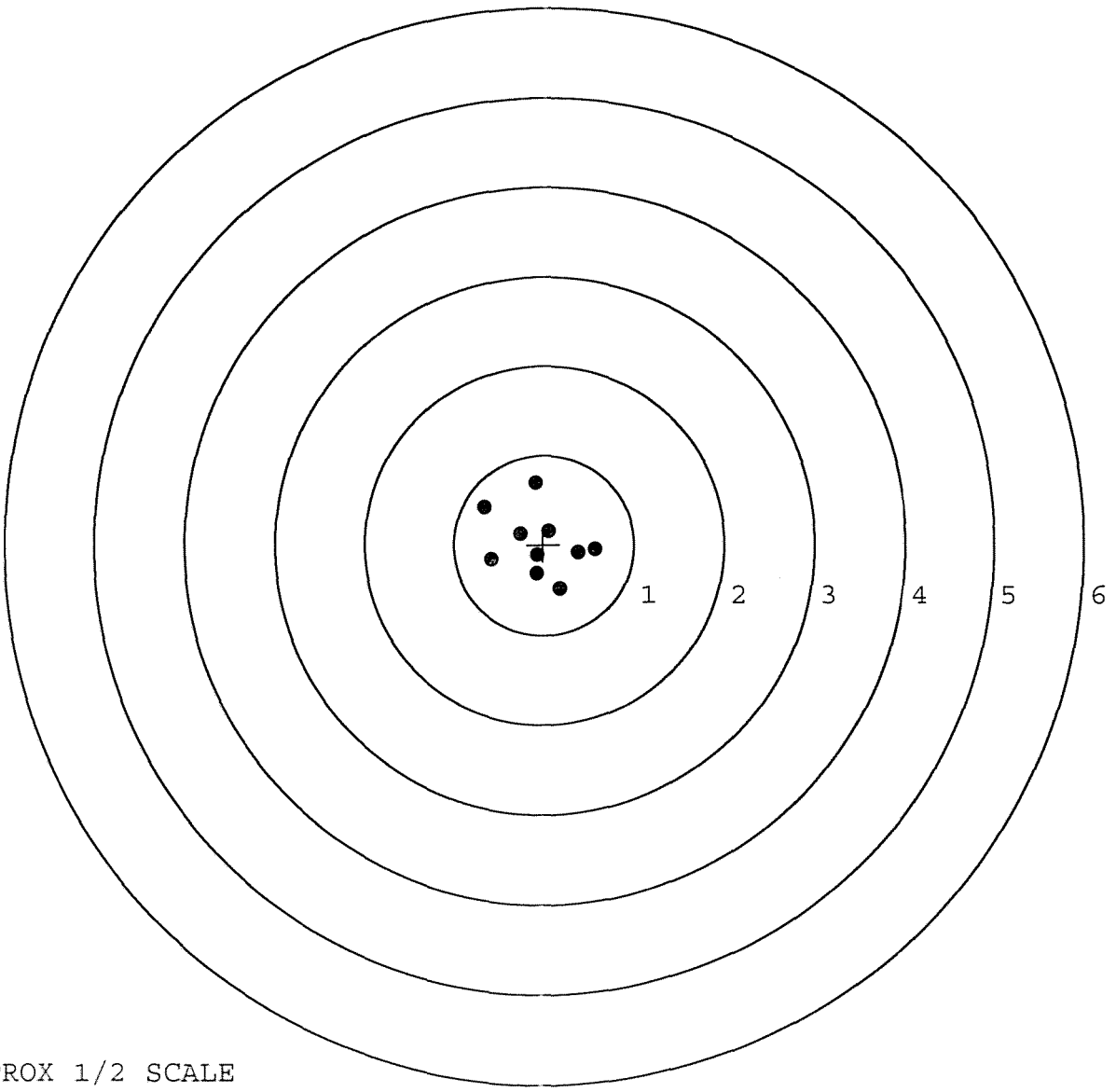


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498846.__0
TARGET NUMBER: 2
FILE DATE: 06/14/2006
FILE TIME: 16:26

X CENTROID:	-0.053
Y CENTROID:	0.014
POA TO CENTROID:	0.055
HORZ SPREAD:	1.231
VERT SPREAD:	1.184
GROUP SPREAD:	1.319
MIN RADIUS:	0.131
MAX RADIUS:	0.729
MEAN RADIUS:	0.449
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.662	0.416
2:	-0.087	0.692
3:	-0.581	-0.164
4:	-0.260	0.122
5:	0.063	0.153
6:	0.569	-0.058
7:	0.386	-0.092
8:	0.188	-0.492
9:	-0.079	-0.321
10:	-0.071	-0.116

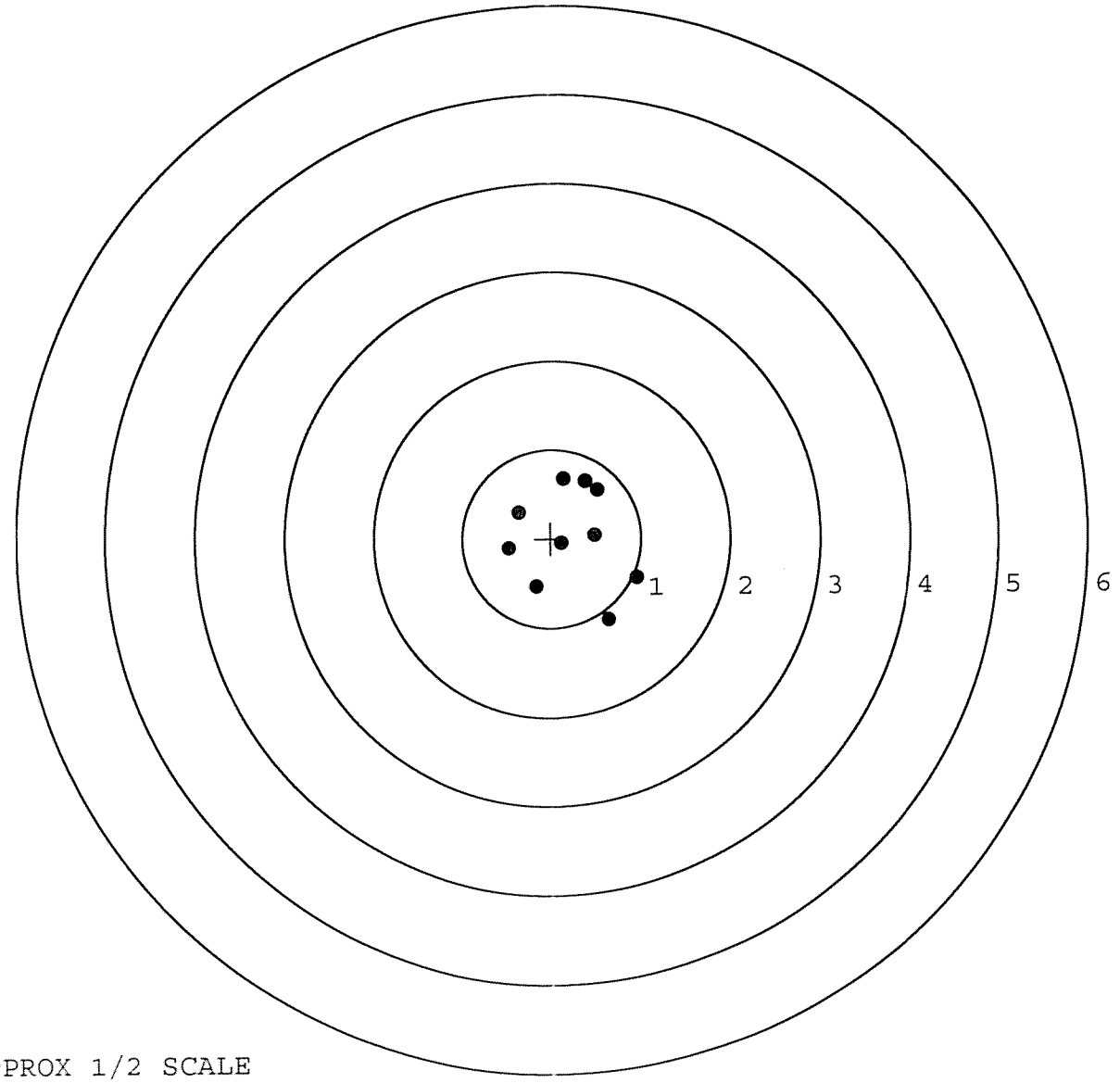


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498846.__0
TARGET NUMBER: 3
FILE DATE: 06/14/2006
FILE TIME: 16:26

X CENTROID:	0.224
Y CENTROID:	0.013
POA TO CENTROID:	0.224
HORZ SPREAD:	1.431
VERT SPREAD:	1.588
GROUP SPREAD:	1.663
MIN RADIUS:	0.126
MAX RADIUS:	1.017
MEAN RADIUS:	0.624
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.145	0.673
2:	0.386	0.645
3:	0.519	0.546
4:	0.485	0.040
5:	0.953	-0.447
6:	0.639	-0.915
7:	0.119	-0.057
8:	-0.170	-0.543
9:	-0.478	-0.112
10:	-0.362	0.299

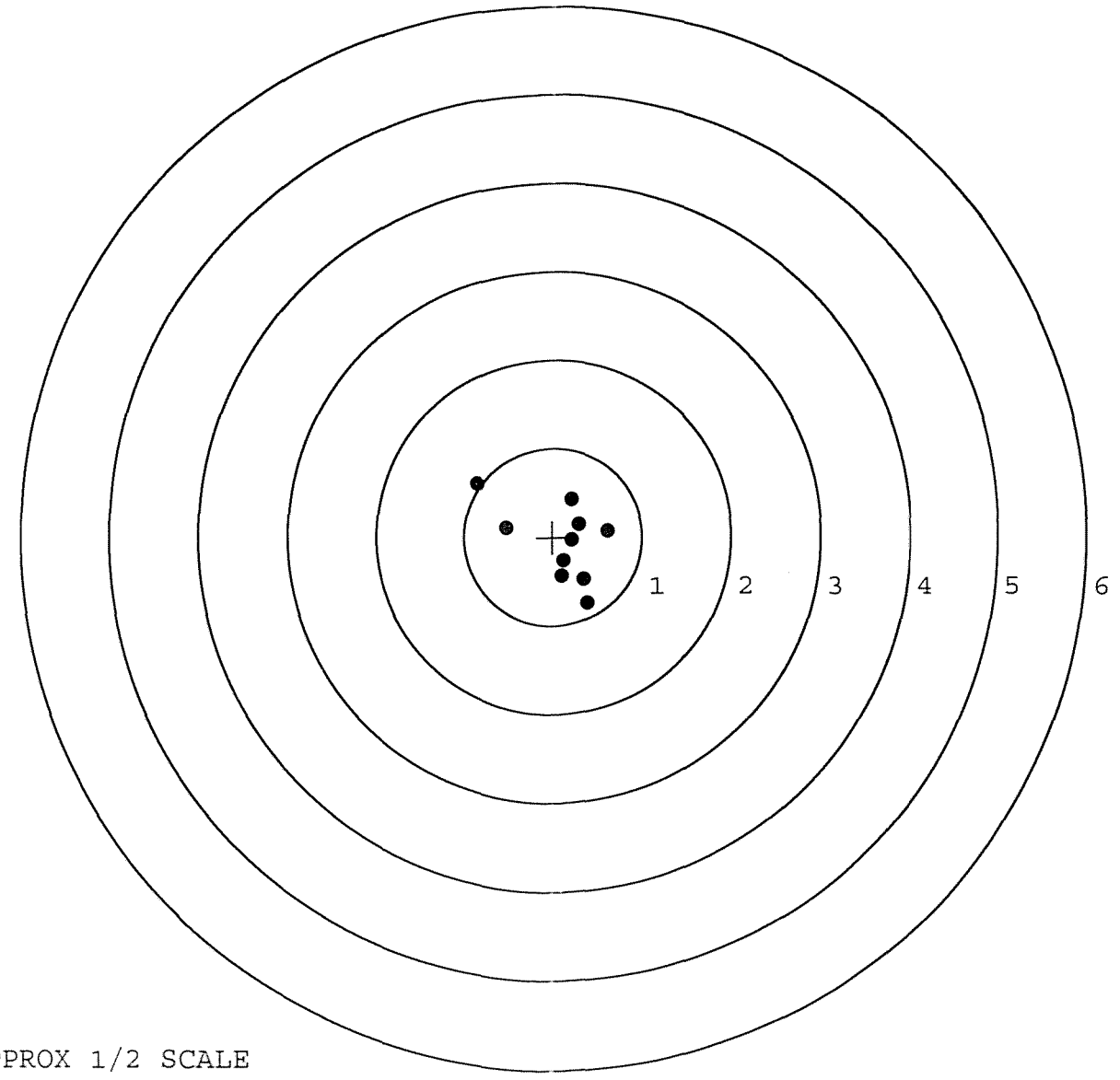


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498846.__0
TARGET NUMBER: 4
FILE DATE: 06/14/2006
FILE TIME: 16:26

X CENTROID:	0.093
Y CENTROID:	-0.064
POA TO CENTROID:	0.113
HORZ SPREAD:	1.473
VERT SPREAD:	1.345
GROUP SPREAD:	1.831
MIN RADIUS:	0.126
MAX RADIUS:	1.155
MEAN RADIUS:	0.509
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.855	0.595
2:	-0.524	0.113
3:	0.212	0.423
4:	0.299	0.143
5:	0.618	0.069
6:	0.216	-0.038
7:	0.122	-0.273
8:	0.102	-0.444
9:	0.353	-0.480
10:	0.388	-0.750

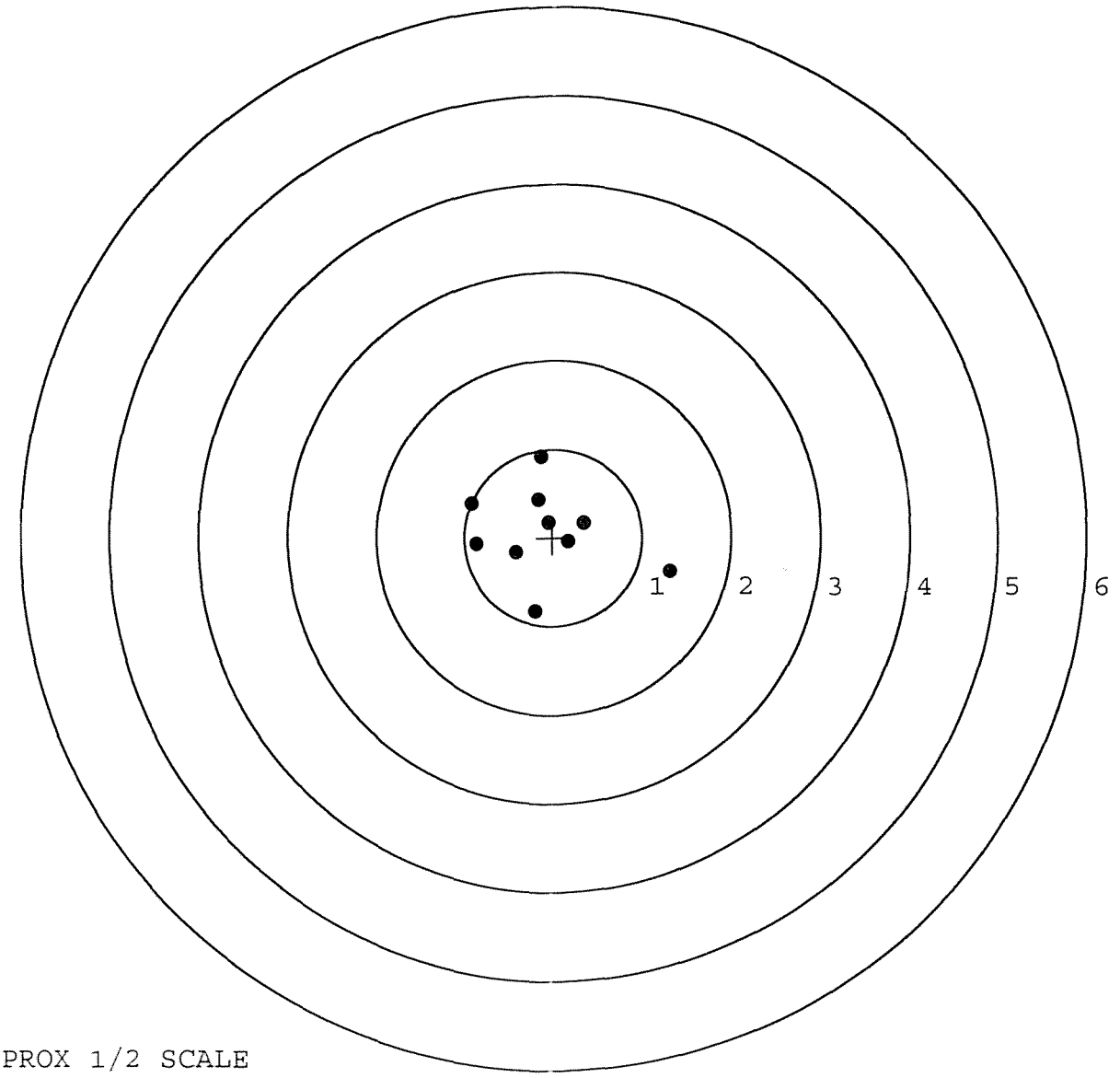


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498846.__0
TARGET NUMBER: 5
FILE DATE: 06/14/2006
FILE TIME: 16:26

X CENTROID:	-0.093
Y CENTROID:	0.054
POA TO CENTROID:	0.107
HORZ SPREAD:	2.236
VERT SPREAD:	1.749
GROUP SPREAD:	2.366
MIN RADIUS:	0.122
MAX RADIUS:	1.473
MEAN RADIUS:	0.655
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.925	0.383
2:	-0.865	-0.075
3:	-0.416	-0.171
4:	-0.194	-0.835
5:	1.311	-0.392
6:	0.347	0.165
7:	0.176	-0.051
8:	-0.053	0.169
9:	-0.171	0.428
10:	-0.137	0.914



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

DATE 6-1-06

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.46	2.55		2.53	
PULL #2	2.46	2.66		2.47	
PULL #3	2.31	2.57		2.43	
PULL #4	2.47	2.61		2.43	
PULL #5	2.42	2.60		2.55	
TOTAL	12.12	12.99		12.41	
AVERAGE	2.42	2.59		2.48	

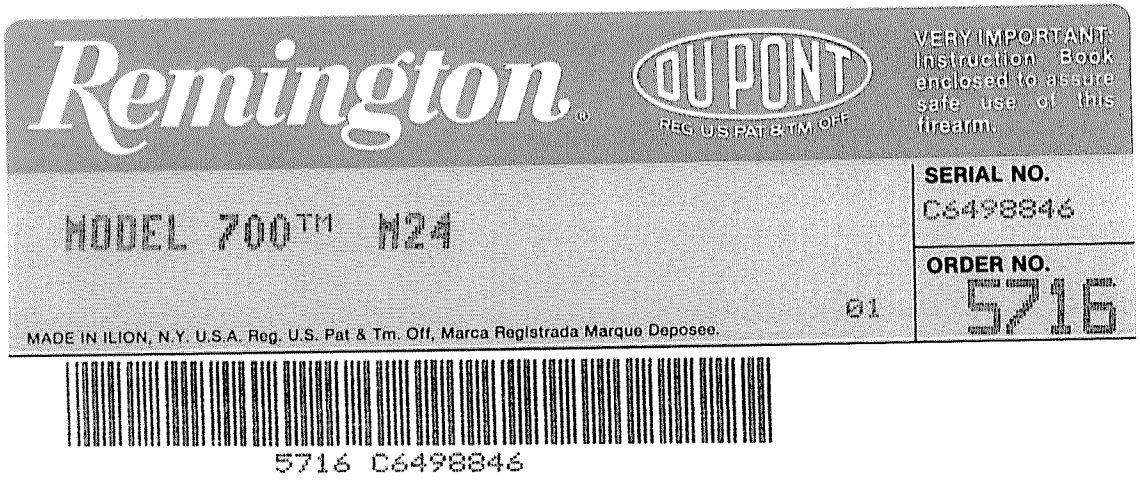
	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.09	3.03		
PULL #2	3.13	2.99		
PULL #3	3.16	3.04		
PULL #4	3.16	3.09		
PULL #5	3.18	3.07		
TOTAL	15.72	15.22		
AVERAGE	3.14	3.04		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.12	4.14		4.15
PULL #2	4.10	4.15		4.00
PULL #3	4.11	4.07		4.07
PULL #4	4.12	4.06		4.04
PULL #5	4.11	4.12		4.03
TOTAL	20.56	20.44		20.29
AVERAGE	4.11	4.08		4.05

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

R & E NUMBER	112659
SERIAL NUMBER	C6498846
LOG-IN DATE	5-22-06

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-5-06	RTL
505	RE-BARREL		6-6-06	RTL
560	ASSEMBLE		6-7-06	RTL
600	PROOF	MAGNA-FLUX INSPECTED JUN 09 2006	6-7-06	TRW
605	CHECK HEADSPACE		6-7-06	RTL
610	DIS-ASSEMBLE GUN		6-7-06	RTL
612	MAGNAFLUX	OPERATOR APD	6-9-06	APD
510	DRILL AND TAP		6-8-06	TRW
615	ROLLMARK CALIBER		6-9-06	CW
618	ROTO-BLAST		6-9-06	LB
620	APPLY COATINGS		6/13/06	[illegible]
625	FINAL ASSEMBLY		6-14-06	RTL
640	FUNCTION TEST AND	PASS FAIL	6-14-06	mjh
650	TARGET	PASS FAIL	6-14-06	mjh
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		6-20-06	K.P.D.
	A) HEADSPACE	PASS FAIL	6-20-06	K.P.D.
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.38 2.42 2.44 2.43 2.37	6-15-06	DA
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	5.0 5.0 5.0	6-15-06	DA
	G) SAFETY OFF FORCE (2 LBS MIN)	3.0 3.0 3.0	6-15-06	DA
	I) FIRING PIN INDENT (.020)	.0225 .0225 .0225	6-15-06	DA
690	PACK		6-28-06	DA



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498846

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 17	90	RW
600	Proof	5 17	90	RW
607	Check Headspace	5 17	90	RW
610	Dis-assemble Gun	5 17	90	RW
612	Magnaflux Barrel Action		5/22/90	KCR
	Magnaflux Bolt		5/22/90	KCR
615	Rollmark Caliber		5/22/90	G.S.
617	Drill and Tap Sight Holes		5/23/90	FB
618	Polish Barrel RB		5/24/90	WB
620	Apply Coatings (Barrel Action)		6-4-90	JH
	Apply Coating (Bolt)		6-4-90	JH
625	Final Assembly A) Clean inside of Bolt Assembly		6/4/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6/4/90	RW
	C) Inspect Ejector Hole for Chamfer		6/4/90	RW
	D) Oil Firing Pin Ass'y		6/4/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/8/90	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3	3	3			6/12/90	DL
	G) Safety Off Force	3	3	3			6/12/90	DL
	H) Trigger Pull Test & Retainability						6/8/90	JR
	I) Firing Pin Indent	.023	.023	.023			6/11/90	WB
	J) Assemble Stock						6/13/90	RW
	K) Assemble Swivel Studs						6/18/90	WB
	L) Attach Front and Rear Sight Assemblies						6/13/90	RW
	M) Iron Sight Alignment						6/13/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/13/90	RW
	O) Attach Scope to Rifle						6/13/90	DL
	P) Detach & Attach Scope 20 Times						6/13/90	DL
640	Gallery Target & Test						6-14-90	AC
	A) Time						6-14-90	AC
	B) Malfunctions						6-14-90	AC
	C) Pierced Primers						6-14-90	AC
	D) Optical Clearity of Scope						6-14-90	AC
645	Inspect for Live Ammo						6-14-90	AC
655	Final Inspection A) Headspace						6/18/90	WB
	B) Trigger Pull	2.61	2.61	2.64	2.56	2.56	6/18/90	RW
	C) Function						6/18/90	WB
660	Pack						6-19-90	DH

M16 TRIGGER PULL TEST

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

SERIAL NO. C6498846

DATE 6/8/90

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.52	2.48	2.61	MIN. SETTING,
PULL #2	2.28	2.47	2.45	2.61	NO AVG. OF 5
PULL #3	2.11	2.49	2.36	2.64	READINGS ACCEPT-
PULL #4	2.29	2.45	2.30	2.56	ABLE LESS THAN 2#
PULL #5	2.28	2.37	2.40	2.56	
TOTAL	11.28	12.30	11.99	12.98	
AVG.	2.256	2.46	2.398	2.59	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.22		
PULL #2	3.38	3.24		
PULL #3	3.16	3.22		
PULL #4	3.40	3.18		
PULL #5	3.28	3.27		
TOTAL	16.66	16.13		
AVG.	3.332	3.226		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.41		4.20
PULL #2	4.40	4.34		4.20
PULL #3	4.46	4.40		4.31
PULL #4	4.27	4.17		4.25
PULL #5	4.37	4.46		4.13
TOTAL	21.66	21.78		21.09
AVG.	4.332	4.356		4.218

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498846
18 Jun 1990

CENTROIDAL DISTANCES

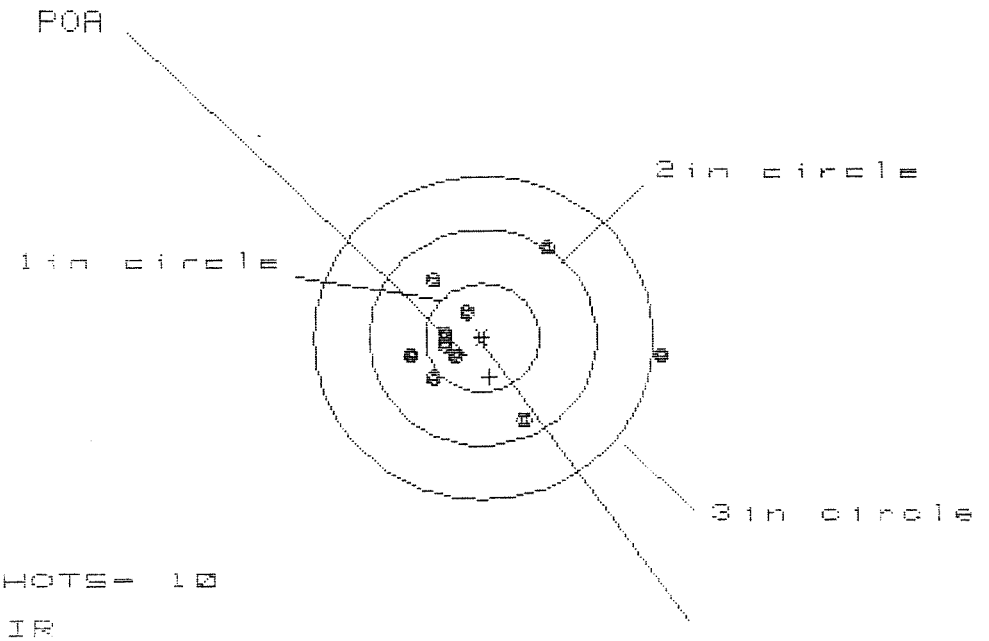
0	TO	1	.369131
1	TO	2	.567819
1	TO	3	1.33954
1	TO	4	.905457
1	TO	5	.481661

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3204
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2108
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .383527

THE AMR FOR THIS RIFLE IS: .8158

15 Jun 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C6498846

CENTERFIRE PATTERNS # 1

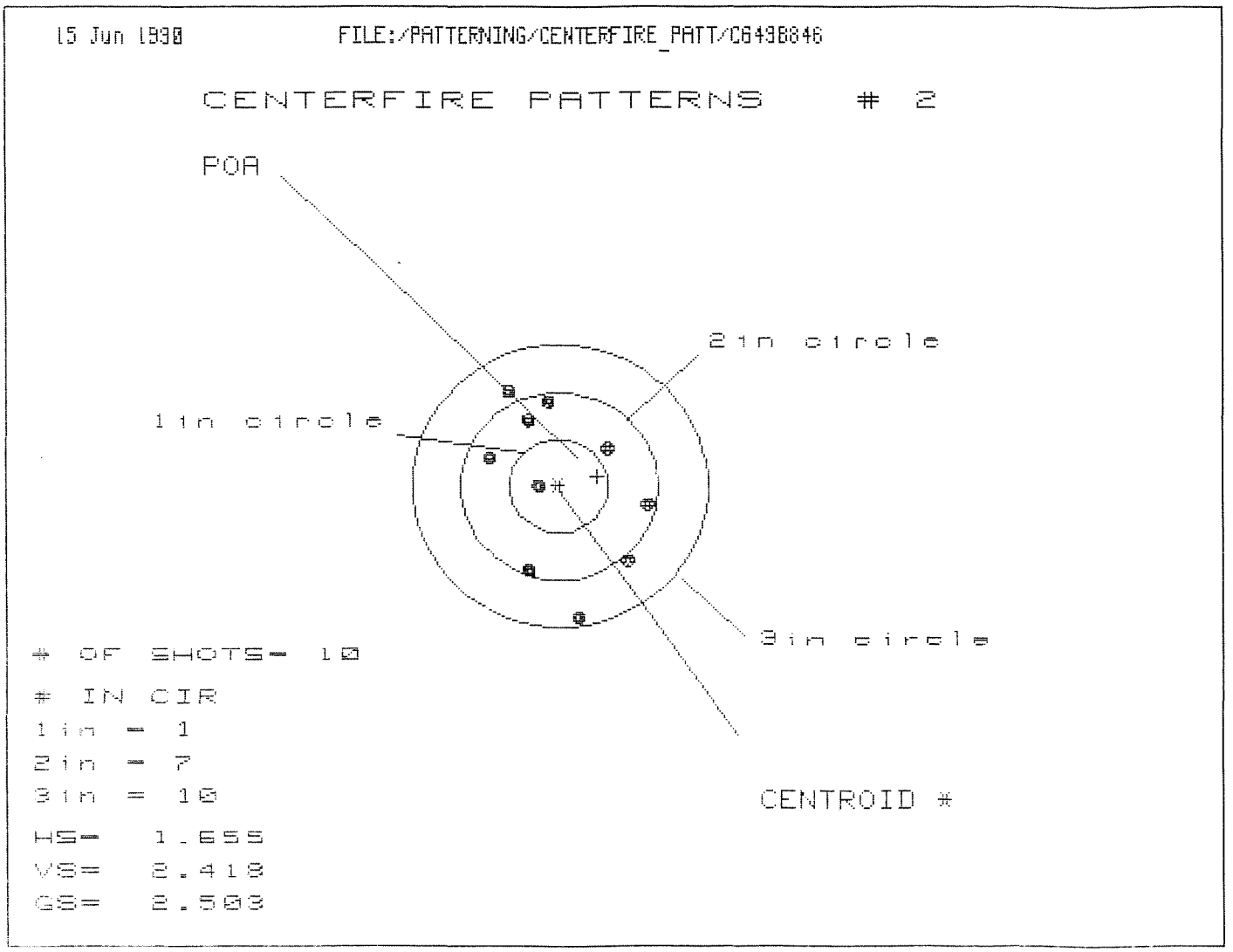


OF SHOTS= 10

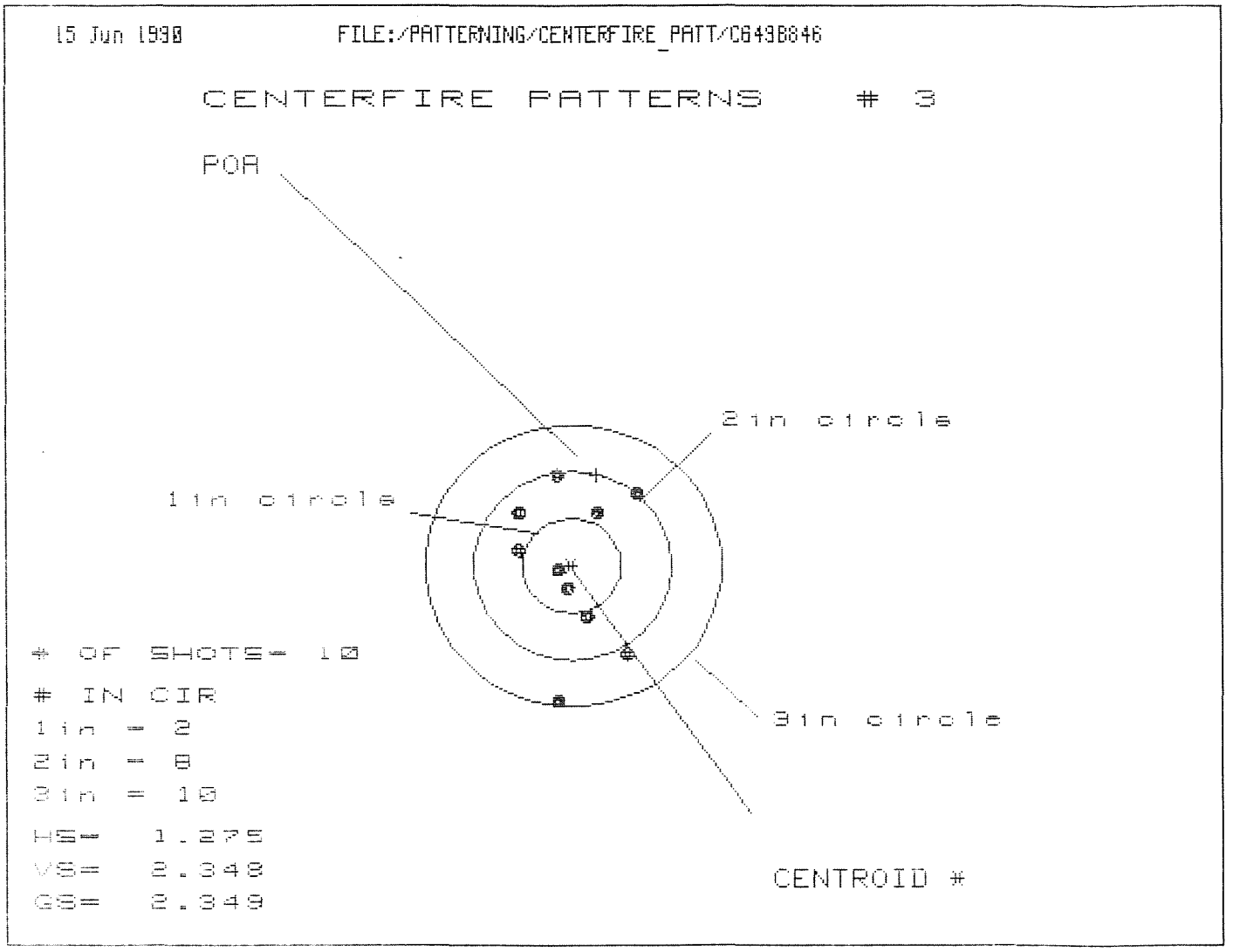
# IN CIR
1in = 4
2in = 9
3in = 9

HS= 2.241
VS= 1.591
GS= 2.241

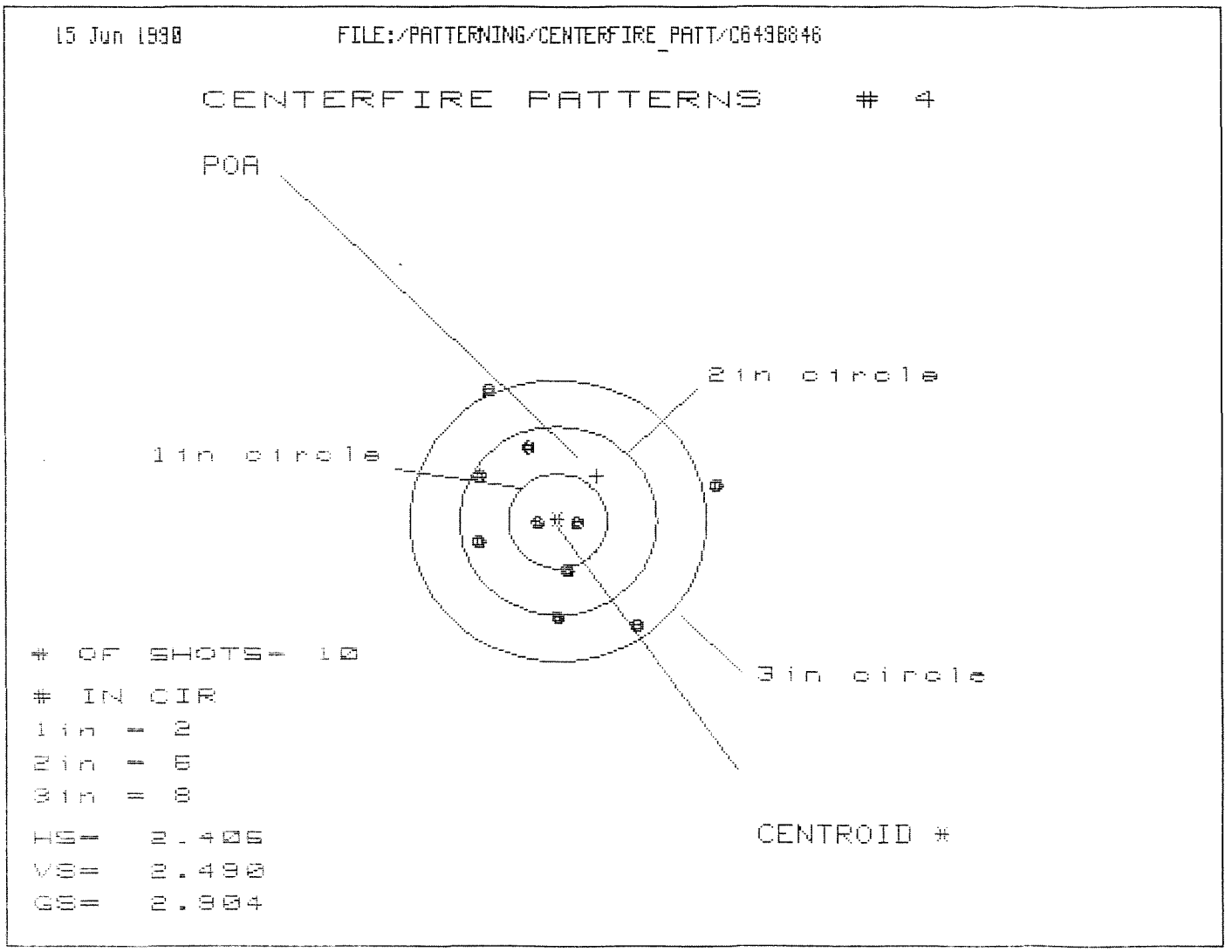
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.596	.749	.612
MINIMUM X	:	-.645	-.468	-.374
MAXIMUM Y	:	.793	.774	.645
MINIMUM Y	:	-.798	-.817	-.720
CENTROID X	:	-.067	-.244	-.338
CENTROID Y	:	.363	.382	.285
POA TO CENTROID in.	:	.369	.453	.442
MIN RADIUS	:	.269	.134	.073
MEAN RADIUS	:	.661	.482	.372
MAX RADIUS	:	1.605	1.078	.945
HORIZONTAL SPREAD	:	2.241	1.217	.986
VERTICAL SPREAD	:	1.591	1.591	1.365
EXTREME SPREAD	:	2.241	1.608	1.547
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.900	.916	.856
MINIMUM X	:	-.755	-.739	-.799
MAXIMUM Y	:	.987	.828	.843
MINIMUM Y	:	-1.431	-1.032	-.929
CENTROID X	:	-.390	-.406	-.346
CENTROID Y	:	-.104	.055	-.048
POA TO CENTROID in.	:	.404	.410	.349
MIN RADIUS	:	.160	.216	.212
MEAN RADIUS	:	.871	.787	.769
MAX RADIUS	:	1.439	1.163	1.044
HORIZONTAL SPREAD	:	1.655	1.655	1.655
VERTICAL SPREAD	:	2.418	1.860	1.772
EXTREME SPREAD	:	2.503	2.119	1.869
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		



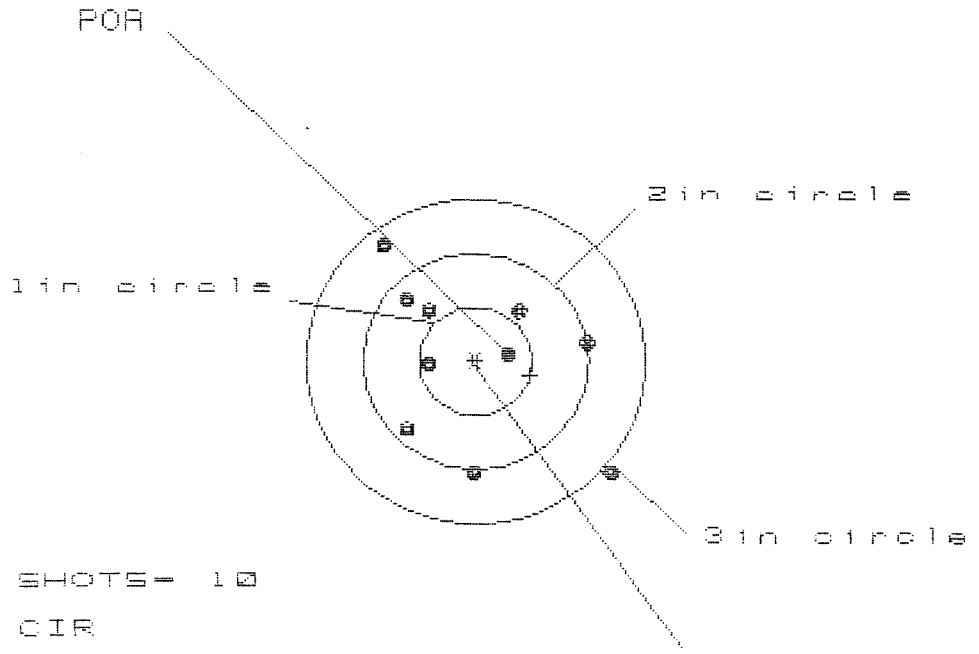
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.690	.671	.742
MINIMUM X	:	-.585	-.604	-.533
MAXIMUM Y	:	.956	.801	.667
MINIMUM Y	:	-1.392	-1.071	-.777
CENTROID X	:	-.257	-.238	-.309
CENTROID Y	:	-.963	-.808	-.674
POA TO CENTROID in.	:	.996	.842	.741
MIN RADIUS	:	.153	.244	.324
MEAN RADIUS	:	.745	.672	.595
MAX RADIUS	:	1.403	1.211	.858
HORIZONTAL SPREAD	:	1.275	1.275	1.275
VERTICAL SPREAD	:	2.348	1.872	1.444
EXTREME SPREAD	:	2.349	2.002	1.467
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	:	1.628	.958	.891
MINIMUM X	:	-.778	-.597	-.664
MAXIMUM Y	:	1.345	1.389	1.010
MINIMUM Y	:	-1.145	-1.101	-.927
CENTROID X	:	-.400	-.581	-.514
CENTROID Y	:	-.479	-.523	-.697
POA TO CENTROID in.	:	.624	.782	.866
MIN RADIUS	:	.244	.058	.205
MEAN RADIUS	:	.918	.803	.714
MAX RADIUS	:	1.675	1.489	1.286
HORIZONTAL SPREAD	:	2.406	1.555	1.555
VERTICAL SPREAD	:	2.490	2.490	1.937
EXTREME SPREAD	:	2.904	2.904	2.245
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

15 Jun 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C643B846

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

# IN CIR
1in = 2
2in = 6
3in = 9

HS= 2.056
VS= 2.141
GS= 2.948

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.208	1.161	1.072
MINIMUM X	:	-.848	-.713	-.568
MAXIMUM Y	:	1.072	.956	.616
MINIMUM Y	:	-1.069	-1.185	-1.065
CENTROID X	:	-.488	-.623	-.534
CENTROID Y	:	.129	.245	.125
POA TO CENTROID in.	:	.505	.669	.548
MIN RADIUS	:	.290	.346	.336
MEAN RADIUS	:	.884	.783	.733
MAX RADIUS	:	1.595	1.193	1.083
HORIZONTAL SPREAD	:	2.056	1.874	1.640
VERTICAL SPREAD	:	2.141	2.141	1.681
EXTREME SPREAD	:	2.948	2.299	1.832
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	