C6349129

MODEL 700™ M24

Model SWS ™

Action

Barrel Length

Capacity

Order No. 5716

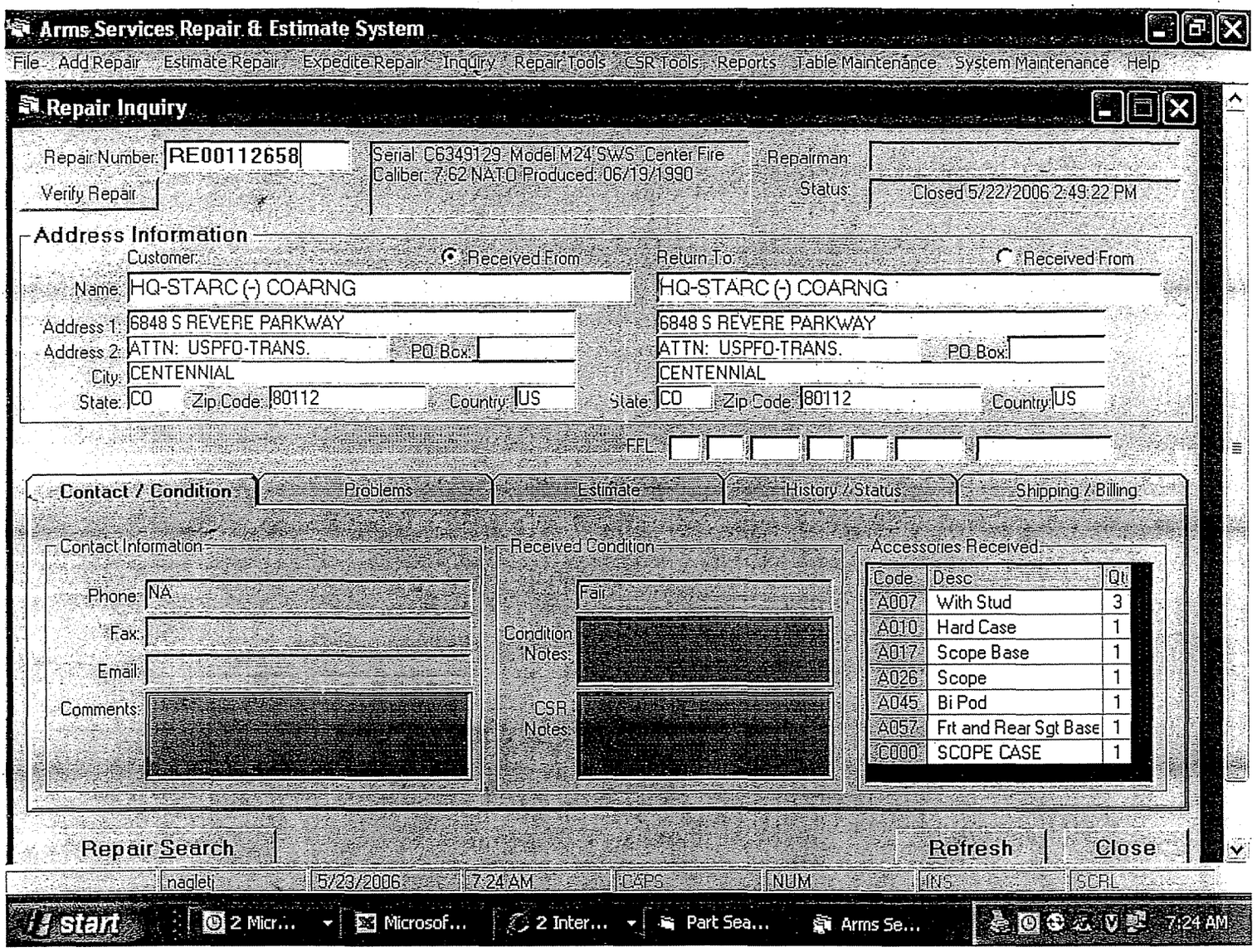
*Includes 1 in chamber.

Remington

Smead®

M2400108430

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON


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: RE00112658
Verify Repair
Serial: C6349129 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1990
Repairman:
Status: Closed 5/22/2006 2:49:22 PM
Address Information
Customer: Received From
Name: HQ-STARC (-) COARNG
Address 1: 6848 S REVERE PARKWAY
Address 2: ATTN: USPFO-TRANS. PO Box:
City: CENTENNIAL
State: CO Zip Code: 80112 Country: US
Return To: Received From
HQ-STARC (-) COARNG
6848 S REVERE PARKWAY
ATTN: USPFO-TRANS. PO Box:
CENTENNIAL
State: CO Zip Code: 80112 Country: US
FFL:
Contact / Condition
Problems
Estimate
History / Status
Shipping / Billing
Contact Information
Phone: NA
Fax:
Email:
Comments:
Received Condition
Fair
Condition Notes:
CSR Notes:
Accessories Received
Code Desc Qt
A007 With Stud 3
A010 Hard Case 1
A017 Scope Base 1
A026 Scope 1
A045 Bi Pod 1
A057 Frt and Rear Sgt Base 1
C000 SCOPE CASE 1
Repair Search
Refresh
Close
naglet 5/23/2006 7:24 AM CAPS NUM INS SCRL
start
2 Micr...
Microsof...
2 Inter...
Part Sea...
Arms Se...
7:24 AM


Serial Number:
C6349129
Model: M24 SWS
RE00112658

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 6-2-06

TESTER R.P

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.62	2.69		2.52	
PULL #2	2.53	2.46		2.54	
PULL #3	2.57	2.46		2.60	
PULL #4	2.43	2.61		2.50	
PULL #5	2.38	2.49		2.60	
TOTAL	12.53	12.64		12.76	
AVERAGE	2.50	2.52		2.55	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.04	3.00		
PULL #2	3.06	3.09		
PULL #3	2.93	2.95		
PULL #4	3.03	3.05		
PULL #5	3.04	3.16		
TOTAL	15.10	15.25		
AVERAGE	3.02	3.05		

	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	4.19		4.21
PULL #2	4.23	4.24		4.05
PULL #3	4.13	4.26		4.09
PULL #4	4.14	4.19		4.10
PULL #5	4.13	4.17		4.12
TOTAL	20.75	21.05		20.57
AVERAGE	4.15	4.21		4.11

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349129.__0
FILE DATE AND TIME: 06/14/2006 16:20

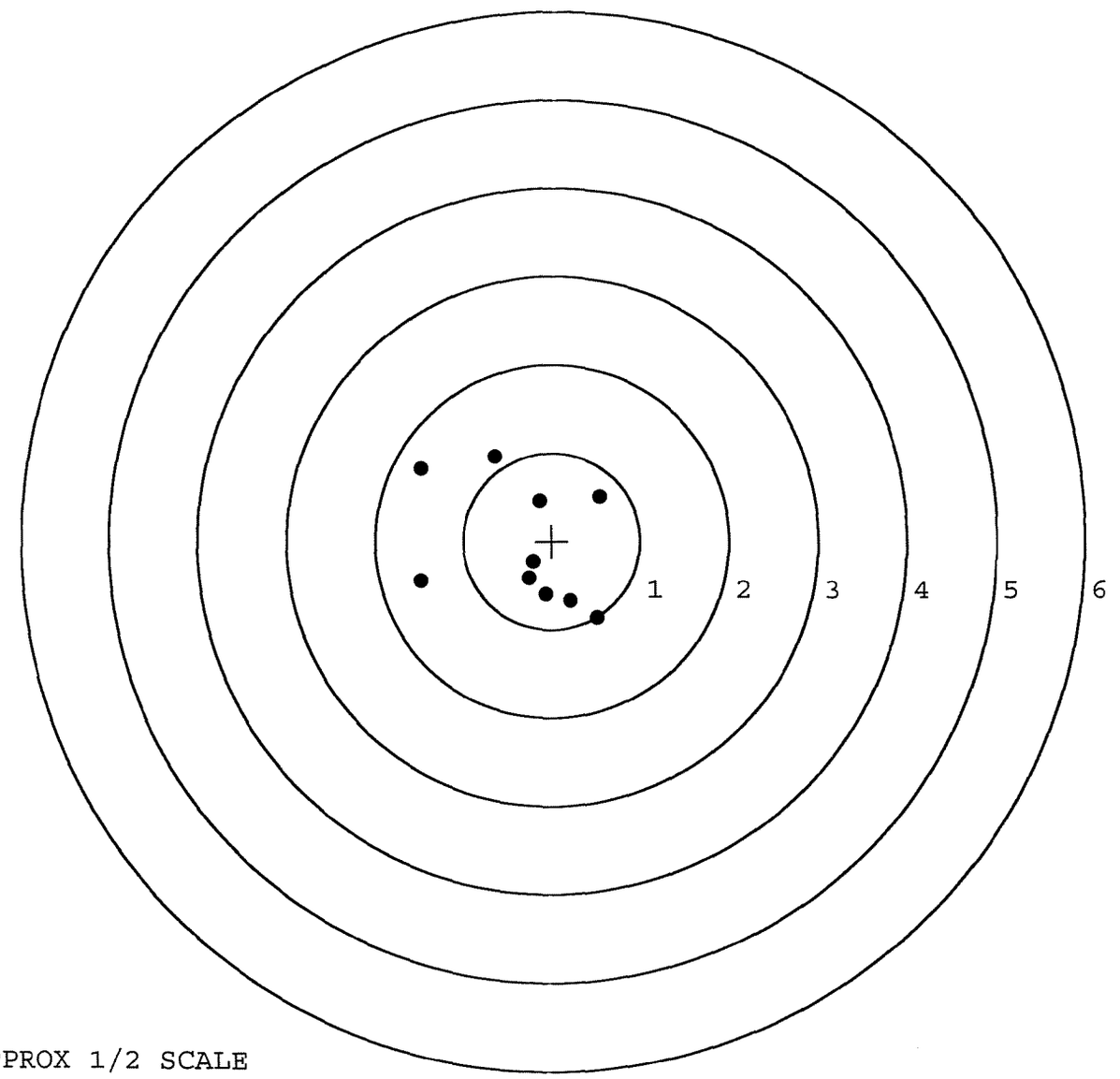
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.020
The Average Y Centroid of the Five Target Set:	-0.008
The Average Point of Impact of the Five Target Set:	0.022
The Average Mean Radius of the Five Target Set:	0.791
The Distance from POA to Centroid Target #1:	0.305
The Distance from Centroid Target #2 to Centroid Target #1:	0.560
The Distance from Centroid Target #3 to Centroid Target #1:	0.281
The Distance from Centroid Target #4 to Centroid Target #1:	0.311
The Distance from Centroid Target #5 to Centroid Target #1:	0.373

SERIAL NUMBER: C6349129.__0
TARGET NUMBER: 1
FILE DATE: 06/14/2006
FILE TIME: 16:20

X CENTROID:	-0.299
Y CENTROID:	-0.057
POA TO CENTROID:	0.305
HORZ SPREAD:	2.030
VERT SPREAD:	1.829
GROUP SPREAD:	2.629
MIN RADIUS:	0.205
MAX RADIUS:	1.476
MEAN RADIUS:	0.850
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	5
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-1.485	-0.460
2:	-1.485	0.823
3:	-0.647	0.957
4:	-0.142	0.450
5:	-0.209	-0.241
6:	-0.254	-0.431
7:	-0.067	-0.610
8:	0.226	-0.682
9:	0.525	-0.872
10:	0.545	0.500

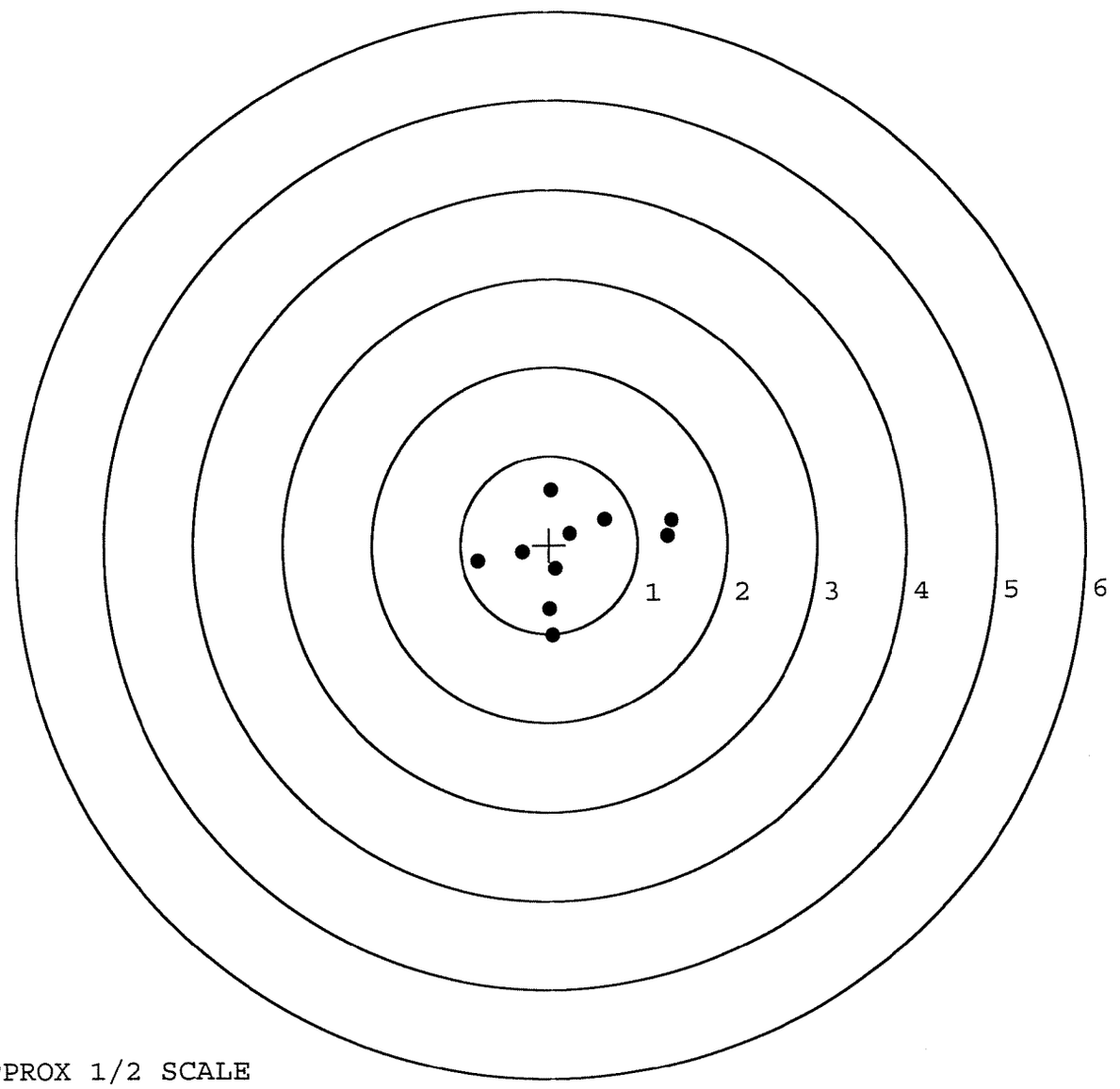


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349129.__0
TARGET NUMBER: 2
FILE DATE: 06/14/2006
FILE TIME: 16:20

X CENTROID:	0.260
Y CENTROID:	-0.091
POA TO CENTROID:	0.275
HORZ SPREAD:	2.177
VERT SPREAD:	1.638
GROUP SPREAD:	2.220
MIN RADIUS:	0.215
MAX RADIUS:	1.170
MEAN RADIUS:	0.727
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.802	-0.174
2:	-0.304	-0.083
3:	0.022	0.613
4:	0.072	-0.271
5:	0.236	0.123
6:	0.633	0.279
7:	1.375	0.262
8:	1.327	0.093
9:	-0.003	-0.727
10:	0.039	-1.025

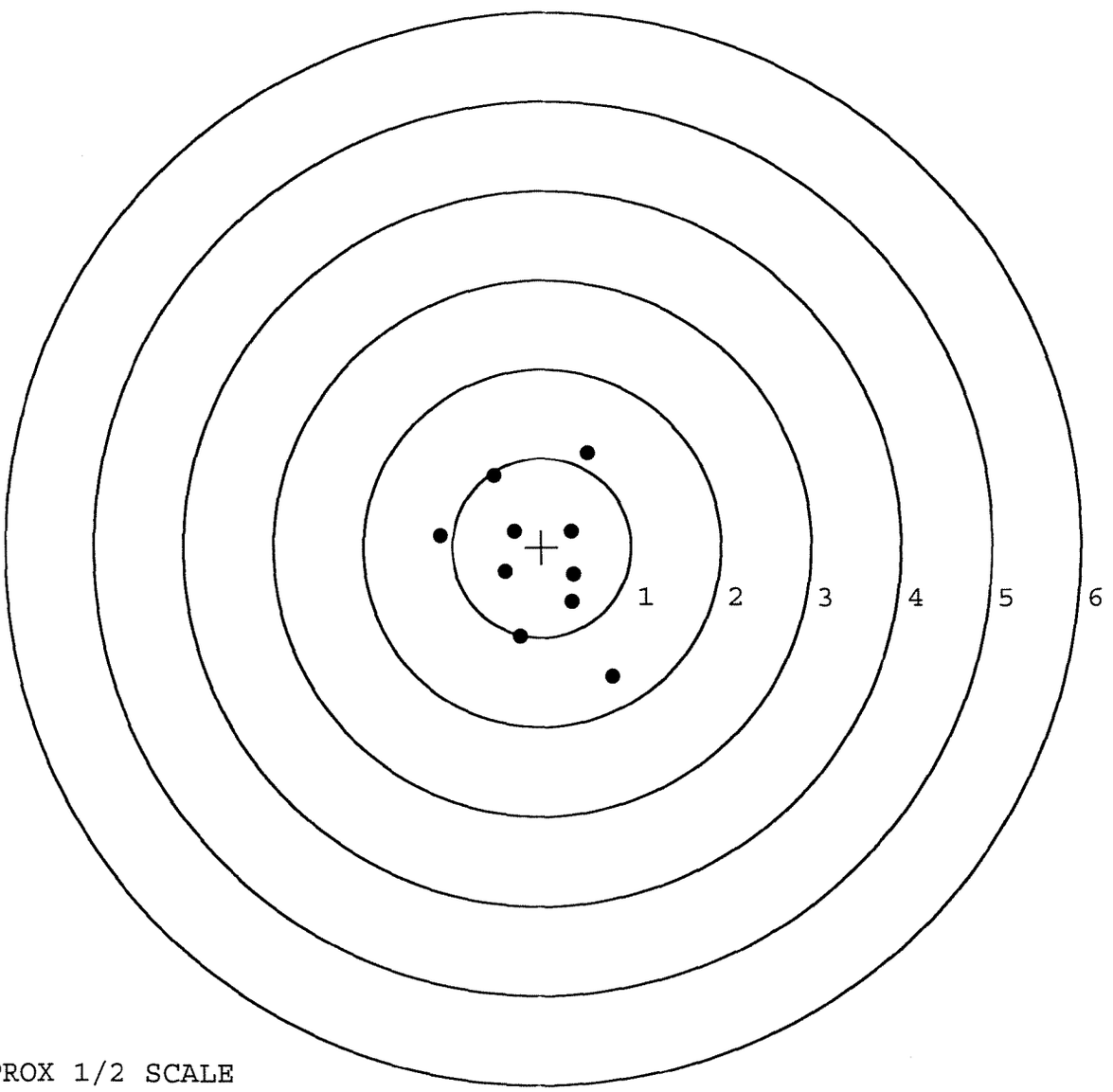


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349129.__0
TARGET NUMBER: 3
FILE DATE: 06/14/2006
FILE TIME: 16:20

X CENTROID:	-0.028
Y CENTROID:	-0.128
POA TO CENTROID:	0.131
HORZ SPREAD:	1.946
VERT SPREAD:	2.507
GROUP SPREAD:	2.612
MIN RADIUS:	0.412
MAX RADIUS:	1.555
MEAN RADIUS:	0.830
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.507	1.065
2:	-0.538	0.799
3:	-1.142	0.133
4:	-0.312	0.174
5:	-0.412	-0.277
6:	0.339	0.175
7:	0.361	-0.304
8:	0.349	-0.613
9:	-0.237	-0.994
10:	0.804	-1.442

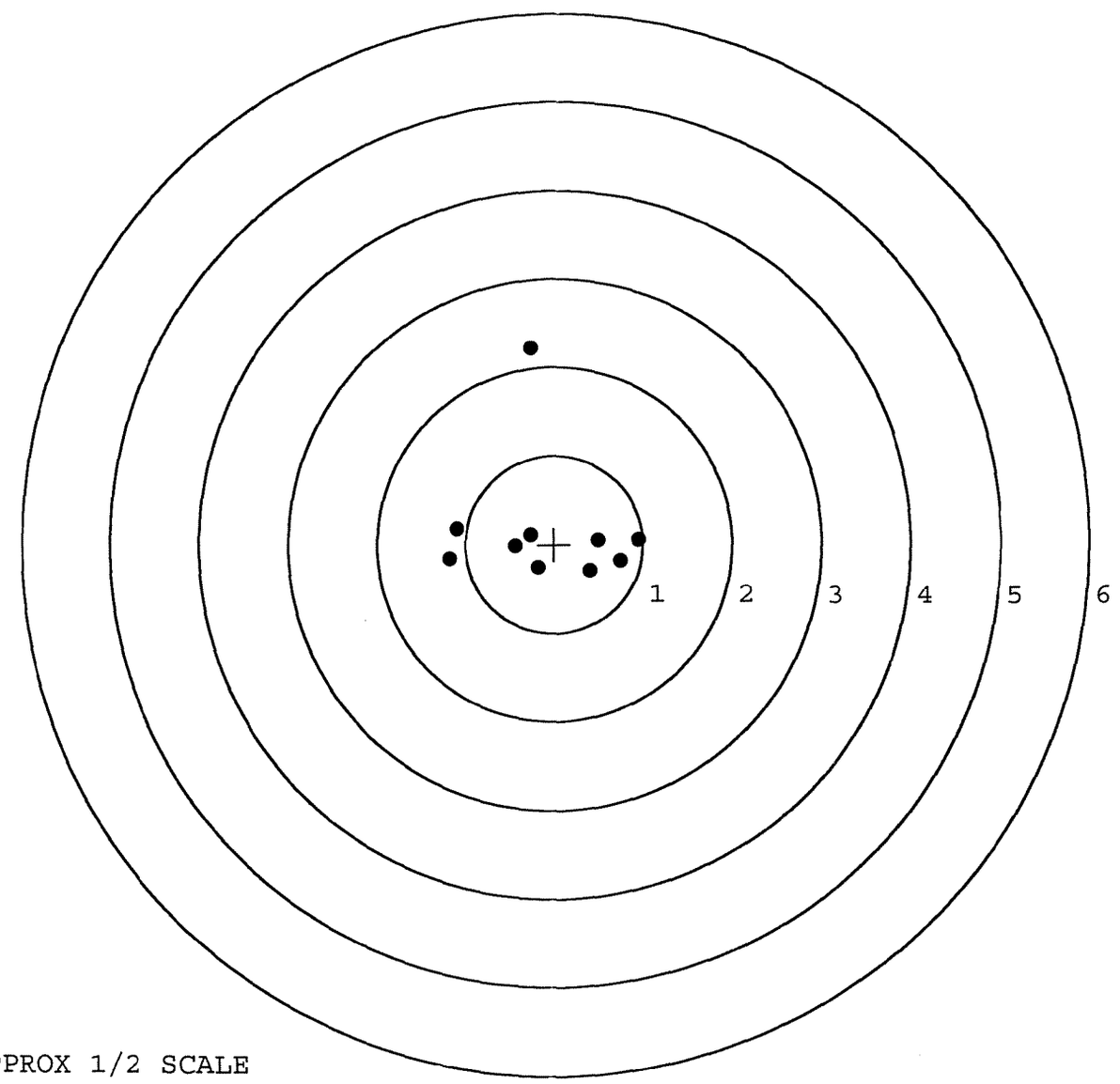


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349129.__0
TARGET NUMBER: 4
FILE DATE: 06/14/2006
FILE TIME: 16:20

X CENTROID:	-0.085
Y CENTROID:	0.168
POA TO CENTROID:	0.188
HORZ SPREAD:	2.131
VERT SPREAD:	2.511
GROUP SPREAD:	2.608
MIN RADIUS:	0.197
MAX RADIUS:	2.054
MEAN RADIUS:	0.847
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-1.102	0.176
2:	-1.182	-0.161
3:	-0.272	0.107
4:	-0.435	-0.025
5:	-0.180	-0.266
6:	0.410	-0.298
7:	0.497	0.055
8:	0.748	-0.183
9:	0.949	0.064
10:	-0.283	2.213

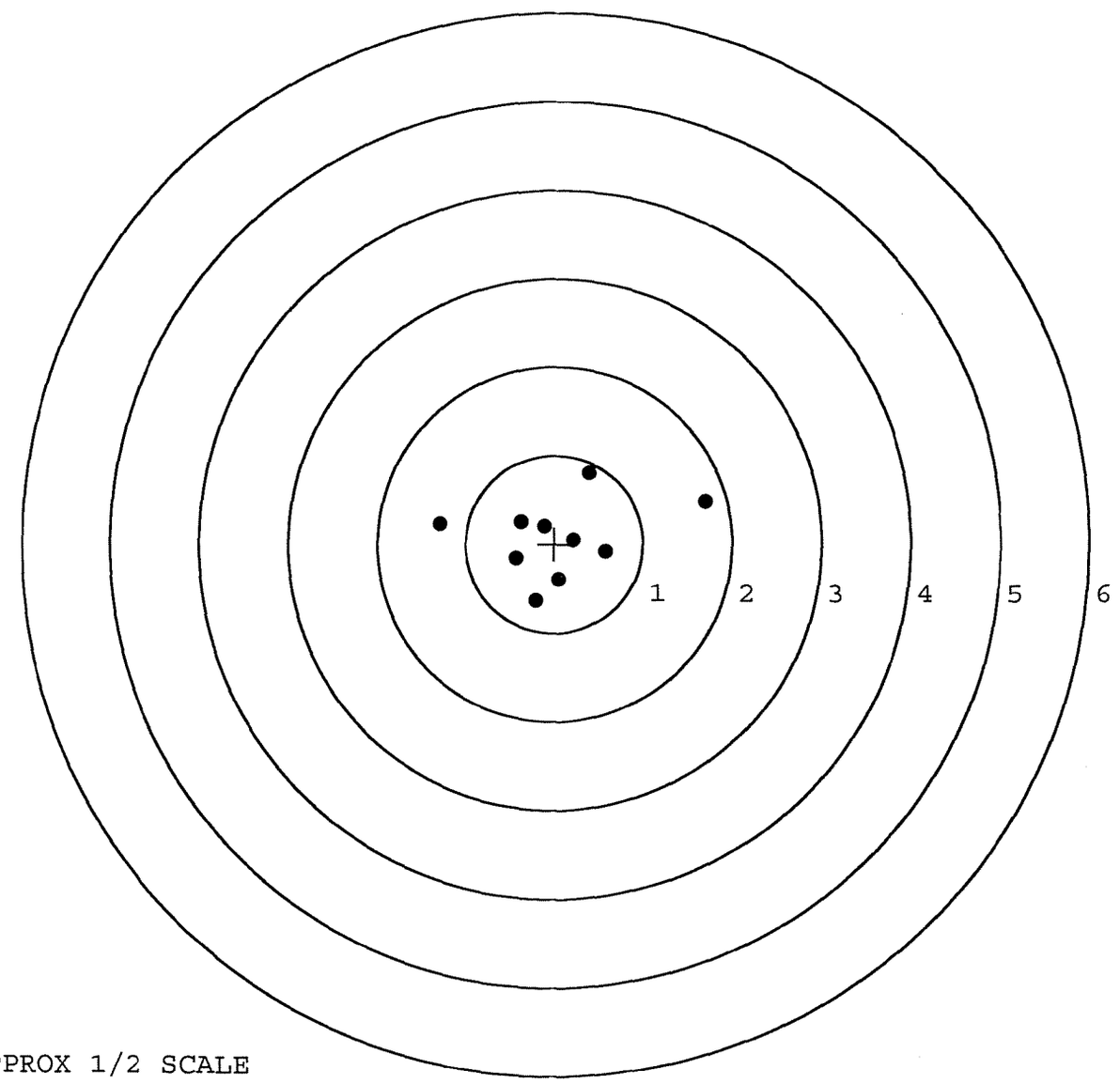


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349129.__0
TARGET NUMBER: 5
FILE DATE: 06/14/2006
FILE TIME: 16:20

X CENTROID:	0.052
Y CENTROID:	0.070
POA TO CENTROID:	0.087
HORZ SPREAD:	2.995
VERT SPREAD:	1.441
GROUP SPREAD:	3.006
MIN RADIUS:	0.168
MAX RADIUS:	1.699
MEAN RADIUS:	0.702
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-1.295	0.225
2:	-0.375	0.252
3:	-0.115	0.196
4:	-0.432	-0.167
5:	0.394	0.799
6:	0.217	0.042
7:	0.583	-0.087
8:	0.053	-0.402
9:	-0.213	-0.642
10:	1.700	0.480

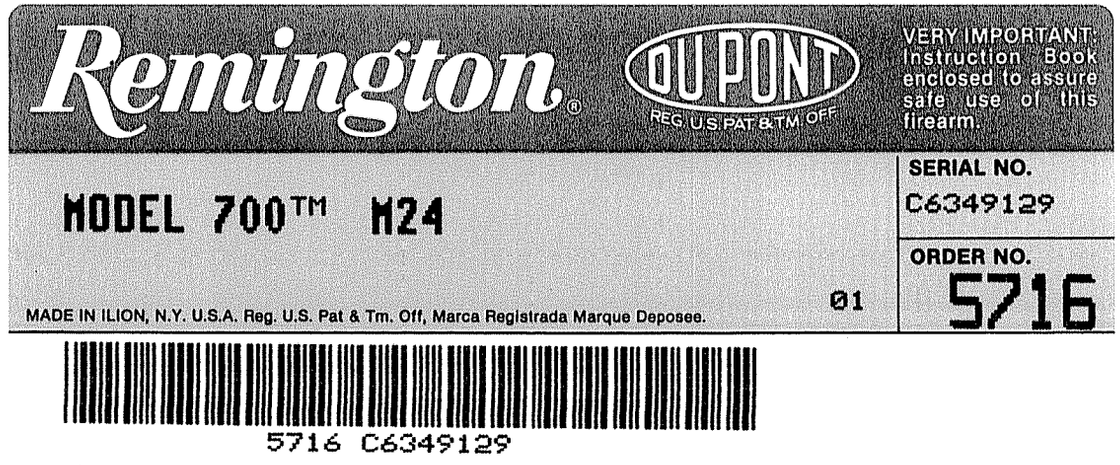


TARGET APPROX 1/2 SCALE

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

R & E NUMBER	112658			
SERIAL NUMBER	C10349129			
LOG-IN DATE	5-22-06			

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-5-06	RTC
505	RE-BARREL		6-6-06	RTC
560	ASSEMBLE		6-7-06	RTC
600	PROOF	MAGNA-FLUX INSPECTED JUN 09 2006	6-7-06	TRW
605	CHECK HEADSPACE		6-7-06	RTC
610	DIS-ASSEMBLE GUN		6-7-06	RTC
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	CB
620	APPLY COATINGS		6/13/06	TCB
625	FINAL ASSEMBLY		6-14-06	RTC
640	FUNCTION TEST AND	(PASS) FAIL	6-14-06	MJM
650	TARGET	(PASS) FAIL	6-14-06	MJM
	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)	2.48 2.50 2.53 2.43 2.50	6-15-06	DA
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	7.0 7.0 7.0	6-15-06	DA
	G) SAFETY OFF FORCE (2 LBS MIN)	4.0 4.0 4.0	6-15-06	DA
	I) FIRING PIN INDENT (.020)	.023 .023 .023	6-15-06	DA
690	PACK		6-28-06	DA



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349129

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 31	90	RW
600	Proof	3 31	90	RW
607	Check Headspace	3 31	90	RW
610	Dis-assemble Gun	3 31	90	RW
612	Magnaflux Barrel Action	4-2-90		KCR
	Magnaflux Bolt	4-2-90		KCR
615	Rollmark Caliber	4-2-90		GA
617	Drill and Tap Sight Holes		4/4/90	FB
618	Polish Barrel RB		4/5/90	WB
620	Apply Coatings (Barrel Action)		4-9-90	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/18/90	RW
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/4/90	GA

QUALITY AUDIT

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/4/90	
	G) Safety Off Force	3	3	3			5/4/90	
	H) Trigger Pull Test & Retainability						5/4/90	
	I) Firing Pin Indent	.020	.020	.020			5/4/90	
	J) Assemble Stock						5/4/90	
	K) Assemble Swivel Studs						5/8/90	WB
	L) Attach Front and Rear Sight Assemblies						5/4/90	
	M) Iron Sight Alignment						5/4/90	
	N) Detach Front & Rear Sights & place in numbered container						5/4/90	
	O) Attach Scope to Rifle						5/7/90	WB
	P) Detach & Attach Scope 20 Times						5/7/90	WB
640	Gallery Target & Test						5-7-90	DH
	A) Time						5-7-90	DH
	B) Malfunctions						5-7-90	DH
	C) Pierced Primers						5-7-90	DH
	D) Optical Clearity of Scope						5-7-90	DH
645	Inspect for Live Ammo						5-7-90	DH
655	Final Inspection A) Headspace						5/8/90	WB
	B) Trigger Pull	2.46	2.48	2.49	2.39	2.44	5/7/90	WB
	C) Function						5/8/90	WB
660	Pack						6-9-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6349129

DATE 5/4/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.51	2.50	2.46	MIN. SETTING,
PULL #2	2.49	2.50	2.45	2.48	NO AVG. OF 5
PULL #3	2.41	2.55	2.30	2.49	READINGS ACCEPT-
PULL #4	2.45	2.38	2.51	2.39	ABLE LESS THAN 2#
PULL #5	2.53	2.38	2.35	2.44	
TOTAL	12.45	12.32	12.31		
AVG.	2.49	2.464	2.422		

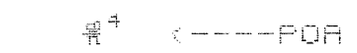
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.40		
PULL #2	3.43	3.46		
PULL #3	3.40	3.36		
PULL #4	3.36	3.42		
PULL #5	3.48	3.37		
TOTAL	17.14	17.01		
AVG.	3.428	3.402		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.54		4.40
PULL #2	4.46	4.53		4.42
PULL #3	4.26	4.49		4.49
PULL #4	4.49	4.45		4.41
PULL #5	4.48	4.49		4.46
TOTAL	22.06	22.50		22.18
AVG.	4.412	4.5		4.436

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349129
7 May 1990

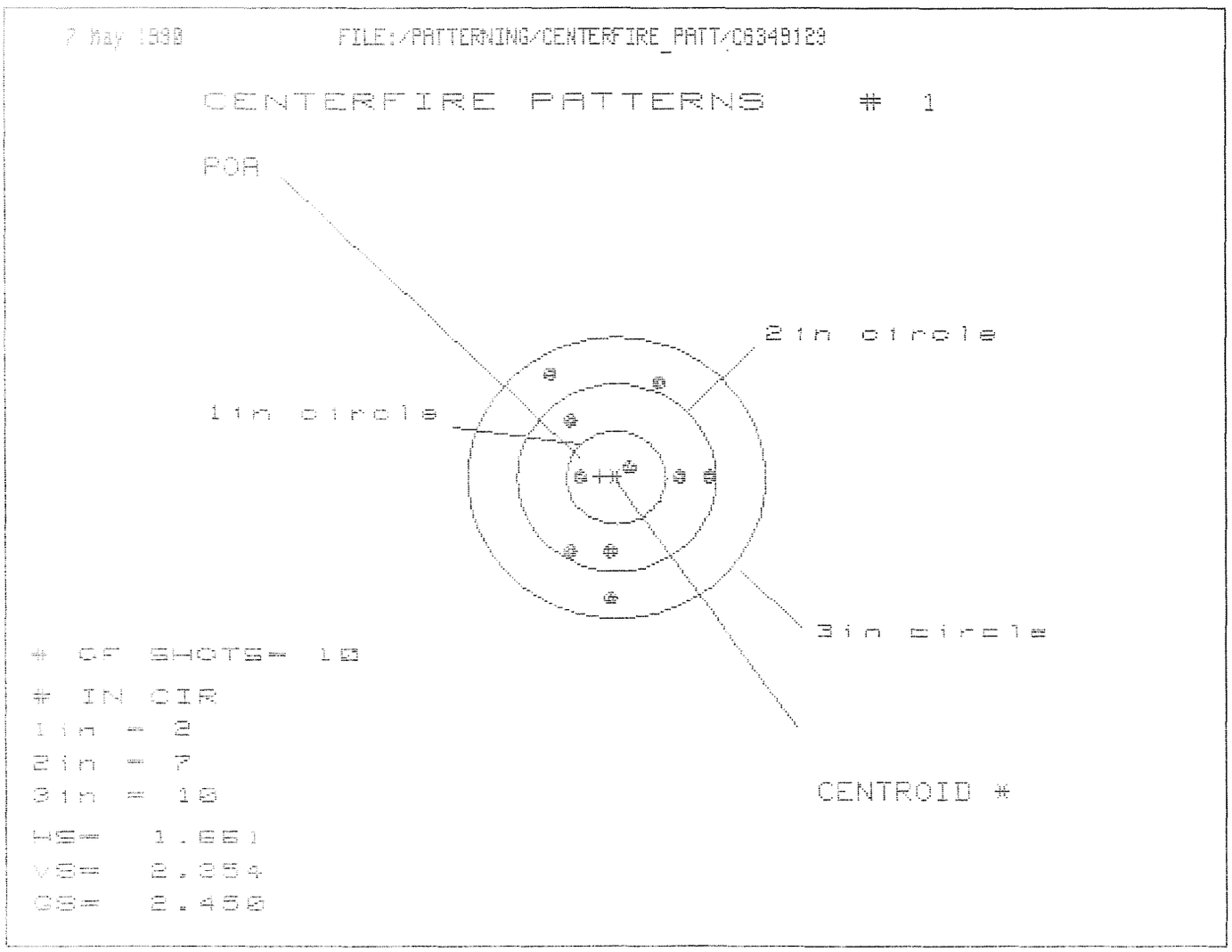
CENTROIDAL DISTANCES

0	TO	1	.16568
1	TO	2	.148637
1	TO	3	.157686
1	TO	4	.423562
1	TO	5	.150073

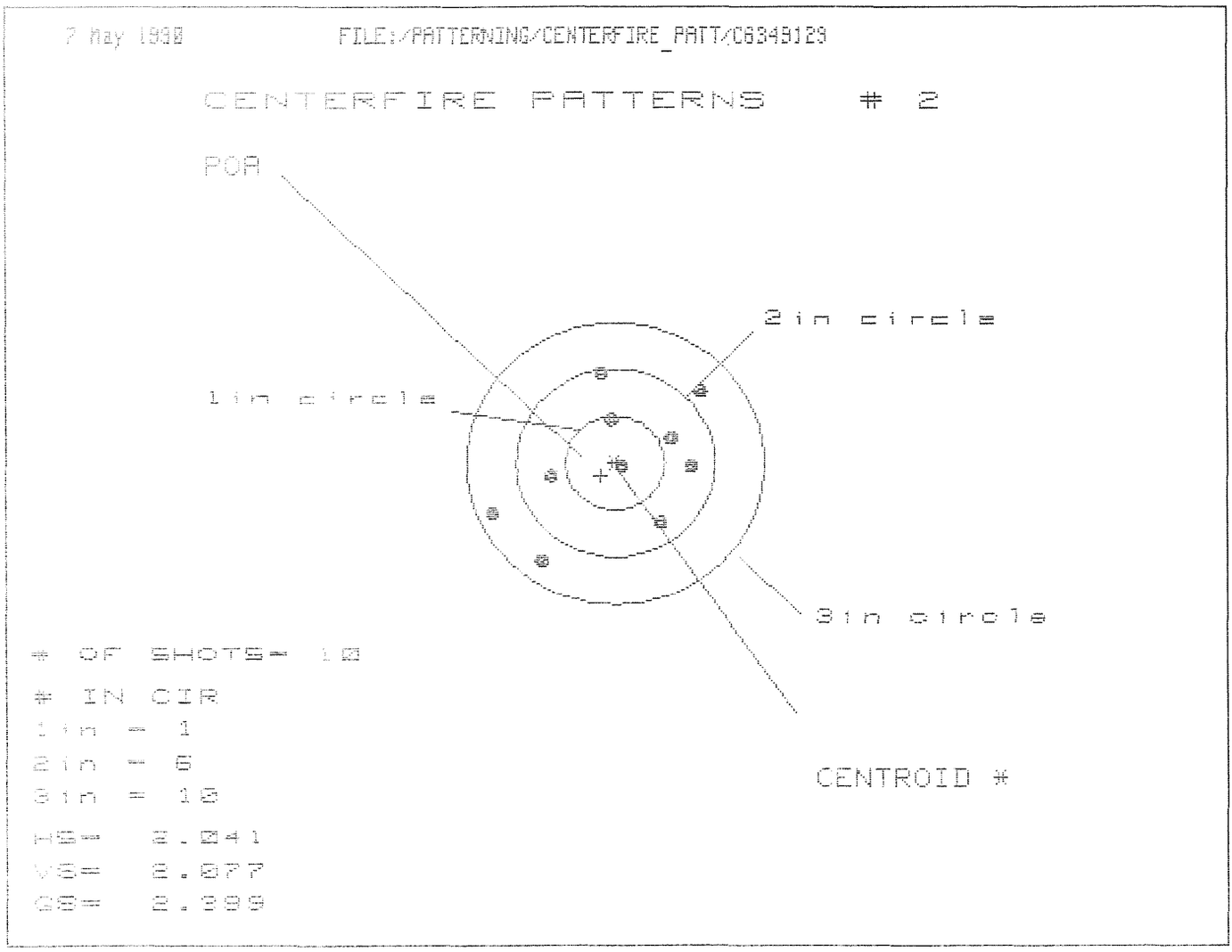


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1762
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1164
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .211176

THE AMR FOR THIS RIFLE IS: .829



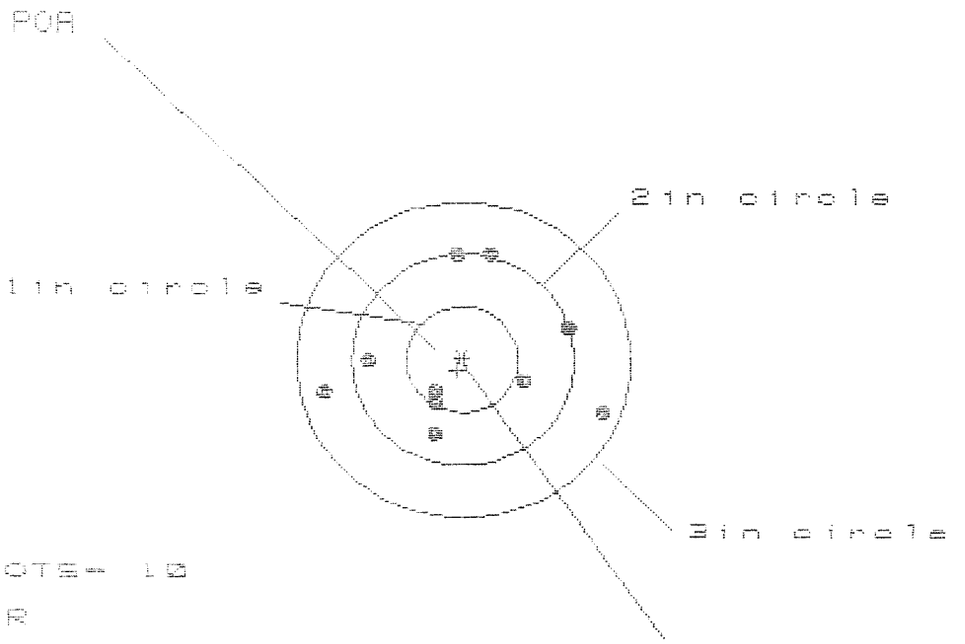
PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.947	.868	.854
MINIMUM X	:	-.714	-.543	-.557
MAXIMUM Y	:	1.084	1.154	1.011
MINIMUM Y	:	-1.270	-1.150	-.819
CENTROID X	:	.165	.244	.258
CENTROID Y	:	-.015	-.135	.008
POA TO CENTROID in.	:	.165	.279	.258
MIN RADIUS	:	.190	.284	.140
MEAN RADIUS	:	.825	.773	.704
MAX RADIUS	:	1.298	1.202	1.060
HORIZONTAL SPREAD	:	1.661	1.411	1.411
VERTICAL SPREAD	:	2.354	2.304	1.830
EXTREME SPREAD	:	2.450	2.347	2.030
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.826	.691	.586
MINIMUM X	:	-1.215	-.837	-.857
MAXIMUM Y	:	.998	.942	.801
MINIMUM Y	:	-1.079	-1.135	-.872
CENTROID X	:	.143	.278	.383
CENTROID Y	:	.132	.188	.329
POA TO CENTROID in.	:	.195	.335	.505
MIN RADIUS	:	.131	.138	.308
MEAN RADIUS	:	.819	.742	.644
MAX RADIUS	:	1.313	1.410	.929
HORIZONTAL SPREAD	:	2.041	1.528	1.443
VERTICAL SPREAD	:	2.077	2.077	1.673
EXTREME SPREAD	:	2.399	2.393	1.755
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

7 May 1998 FILE:/PATTERNING/CENTERFIRE_PATT/063498129

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

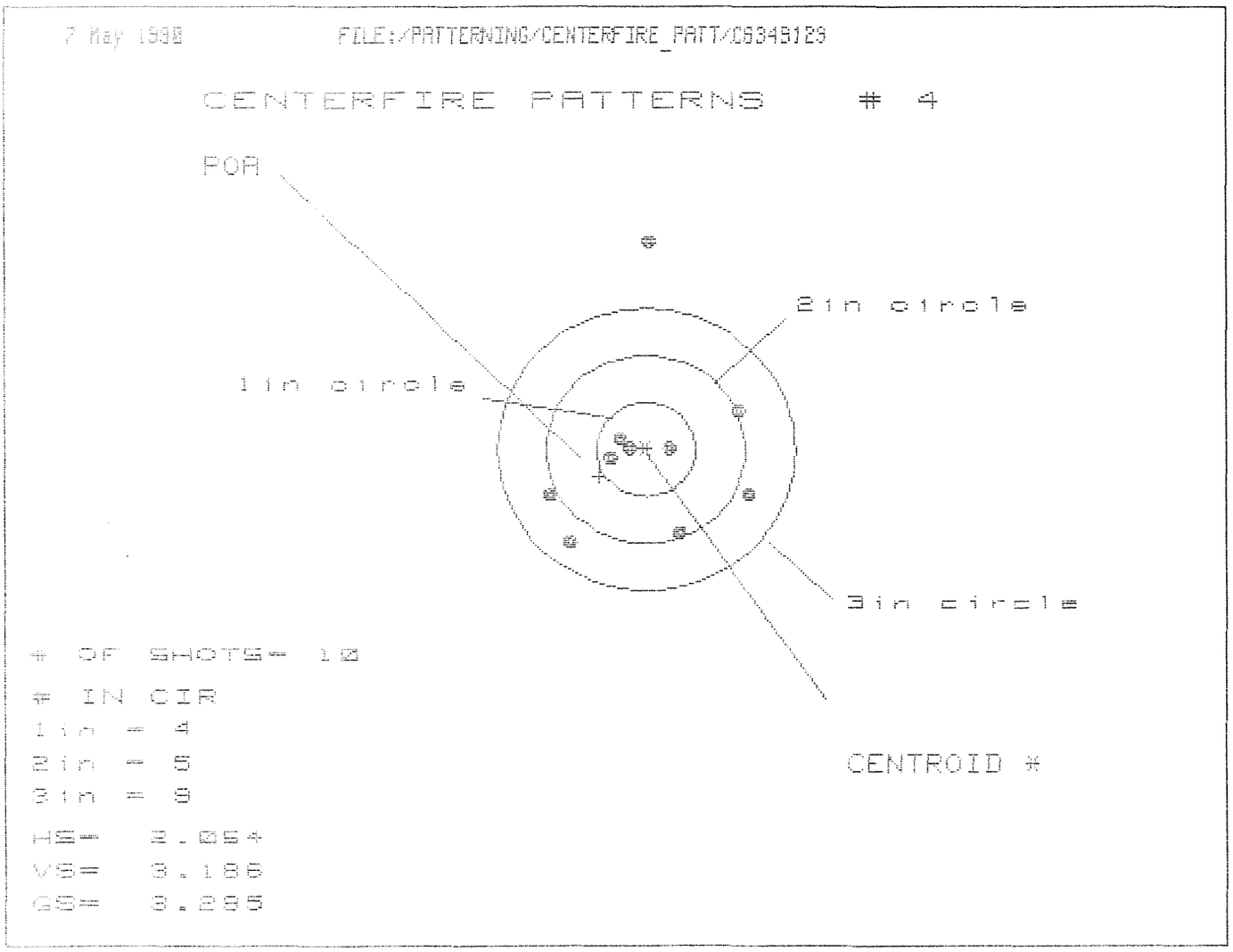
# IN CIR
1in = 1
2in = 7
3in = 10

HS= 2.580
VS= 1.680
GS= 2.589

PATTERN # : 5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.294	1.068	.925
MINIMUM X	-1.286	-1.143	-.847
MAXIMUM Y	.993	.941	.904
MINIMUM Y	-.687	-.739	-.776
CENTROID X	.053	-.091	.052
CENTROID Y	.096	.148	.185
POA TO CENTROID in.	.109	.174	.192
MIN RADIUS	.375	.330	.439
MEAN RADIUS	.868	.802	.758
MAX RADIUS	1.375	1.181	.958
HORIZONTAL SPREAD	2.580	2.211	1.772
VERTICAL SPREAD	1.680	1.680	1.680
EXTREME SPREAD	2.589	2.286	1.805

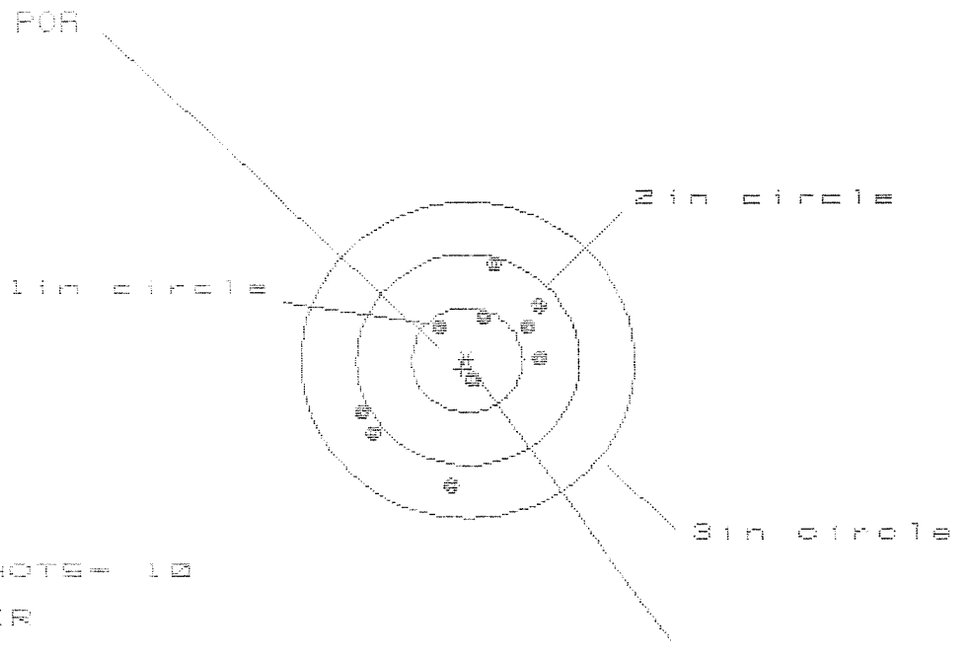
NUMBER IN ONE INCH CIRCLE = 1
NUMBER IN TWO INCH CIRCLE = 7
NUMBER IN THREE INCH CIRCLE = 10



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.083	1.091	.995
MINIMUM X	:	-.981	-.973	-1.069
MAXIMUM Y	:	2.252	.677	.591
MINIMUM Y	:	-.904	-.683	-.731
CENTROID X	:	.466	.458	.554
CENTROID Y	:	.283	.032	.118
POA TO CENTROID in.	:	.545	.460	.566
MIN RADIUS	:	.186	.335	.213
MEAN RADIUS	:	.882	.734	.686
MAX RADIUS	:	2.253	1.158	1.121
HORIZONTAL SPREAD	:	2.064	2.064	2.064
VERTICAL SPREAD	:	3.186	1.360	1.322
EXTREME SPREAD	:	3.295	2.179	2.128
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

7 May 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C83491Z9

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

# IN CIR
1in = 3
2in = 7
3in = 10

HS= 1.665
VS= 2.084
GS= 2.127

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.669	.648	.540
MINIMUM X	:	-.996	-1.017	-1.125
MAXIMUM Y	:	.940	.813	.707
MINIMUM Y	:	-1.144	-.845	-.686
CENTROID X	:	.054	.075	.183
CENTROID Y	:	.086	.213	.319
POA TO CENTROID in.	:	.102	.226	.368
MIN RADIUS	:	.238	.263	.136
MEAN RADIUS	:	.751	.682	.577
MAX RADIUS	:	1.159	1.209	1.318
HORIZONTAL SPREAD	:	1.665	1.665	1.665
VERTICAL SPREAD	:	2.084	1.658	1.393
EXTREME SPREAD	:	2.127	1.984	1.897
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	