C6522325

MODEL 700™ M24

Model SWS ™

Action

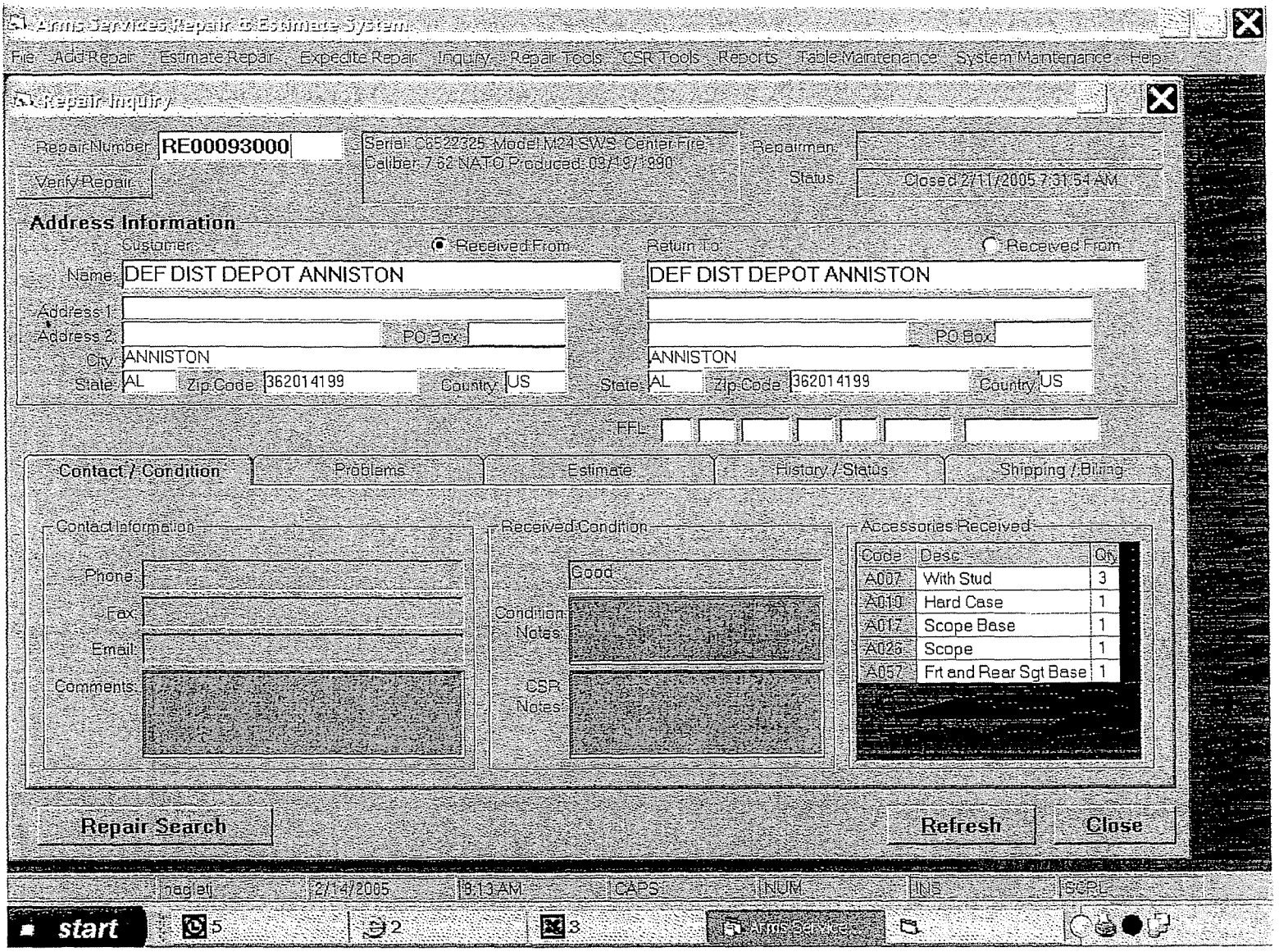
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

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: RE00093000
Verify Repair
Serial: C6522325 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 09/19/1990
Repairman:
Status: Closed 2/11/2005 7:31:54 AM
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
A010 Hard Case 1
A017 Scope Base 1
A026 Scope 1
A057 Frt and Rear Sgt Base 1
Repair Search
Refresh
Close
magjeti 2/14/2005 9:13 AM CAPS NUM INS SCRL
start
Arms Services


Serial Number:
C6522325
Model: M24 SWS
RE00093000

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522325.__0
FILE DATE AND TIME: 03/28/2005 09:47

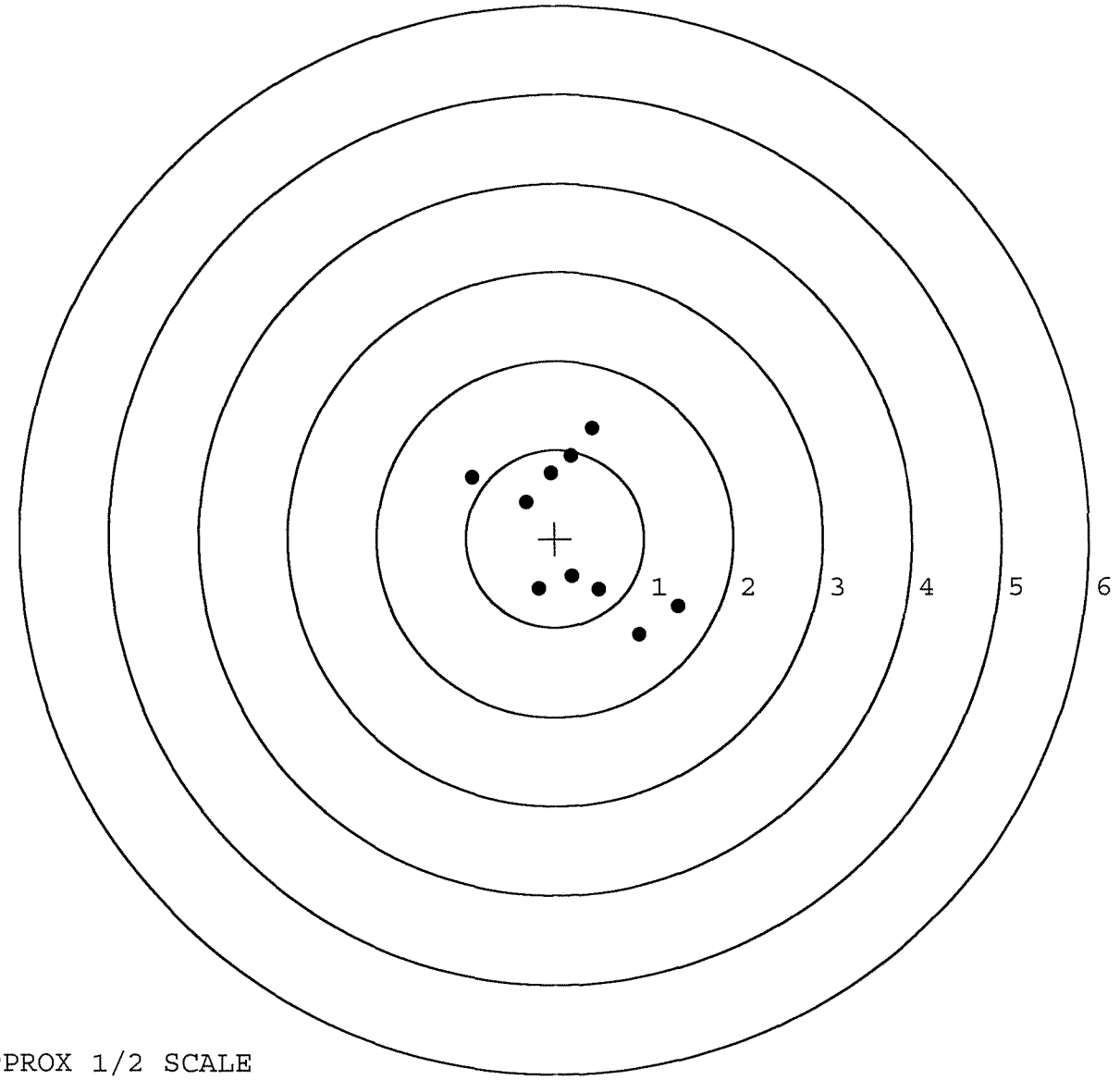
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.132
The Average Y Centroid of the Five Target Set:	0.176
The Average Point of Impact of the Five Target Set:	0.220
The Average Mean Radius of the Five Target Set:	0.912
The Distance from POA to Centroid Target #1:	0.220
The Distance from Centroid Target #2 to Centroid Target #1:	0.318
The Distance from Centroid Target #3 to Centroid Target #1:	0.158
The Distance from Centroid Target #4 to Centroid Target #1:	0.213
The Distance from Centroid Target #5 to Centroid Target #1:	0.274

SERIAL NUMBER: C6522325.__0
TARGET NUMBER: 1
FILE DATE: 03/28/2005
FILE TIME: 09:47

X CENTROID:	0.212
Y CENTROID:	0.059
POA TO CENTROID:	0.220
HORZ SPREAD:	2.302
VERT SPREAD:	2.333
GROUP SPREAD:	2.729
MIN RADIUS:	0.489
MAX RADIUS:	1.430
MEAN RADIUS:	0.947
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.374	-0.774
2:	0.946	-1.088
3:	0.488	-0.574
4:	0.193	-0.430
5:	-0.189	-0.570
6:	0.426	1.245
7:	0.185	0.931
8:	-0.048	0.738
9:	-0.328	0.415
10:	-0.928	0.692

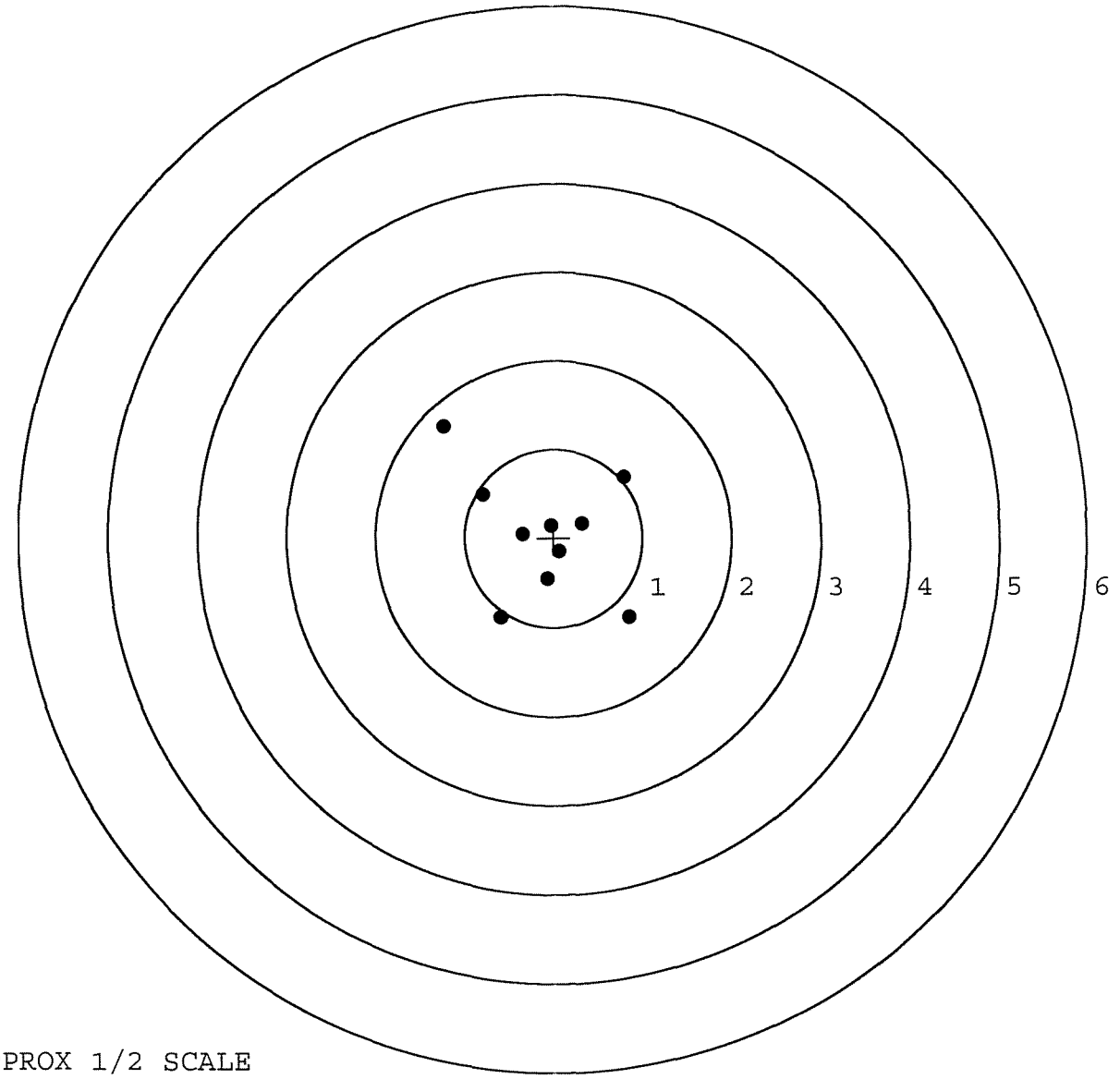


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522325.__0
TARGET NUMBER: 2
FILE DATE: 03/28/2005
FILE TIME: 09:47

X CENTROID:	-0.106
Y CENTROID:	0.037
POA TO CENTROID:	0.112
HORZ SPREAD:	2.085
VERT SPREAD:	2.149
GROUP SPREAD:	2.994
MIN RADIUS:	0.122
MAX RADIUS:	1.661
MEAN RADIUS:	0.755
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.853	-0.892
2:	-0.600	-0.890
3:	0.787	0.682
4:	0.325	0.163
5:	-0.797	0.489
6:	-1.232	1.257
7:	-0.033	0.135
8:	-0.352	0.041
9:	0.065	-0.154
10:	-0.074	-0.464

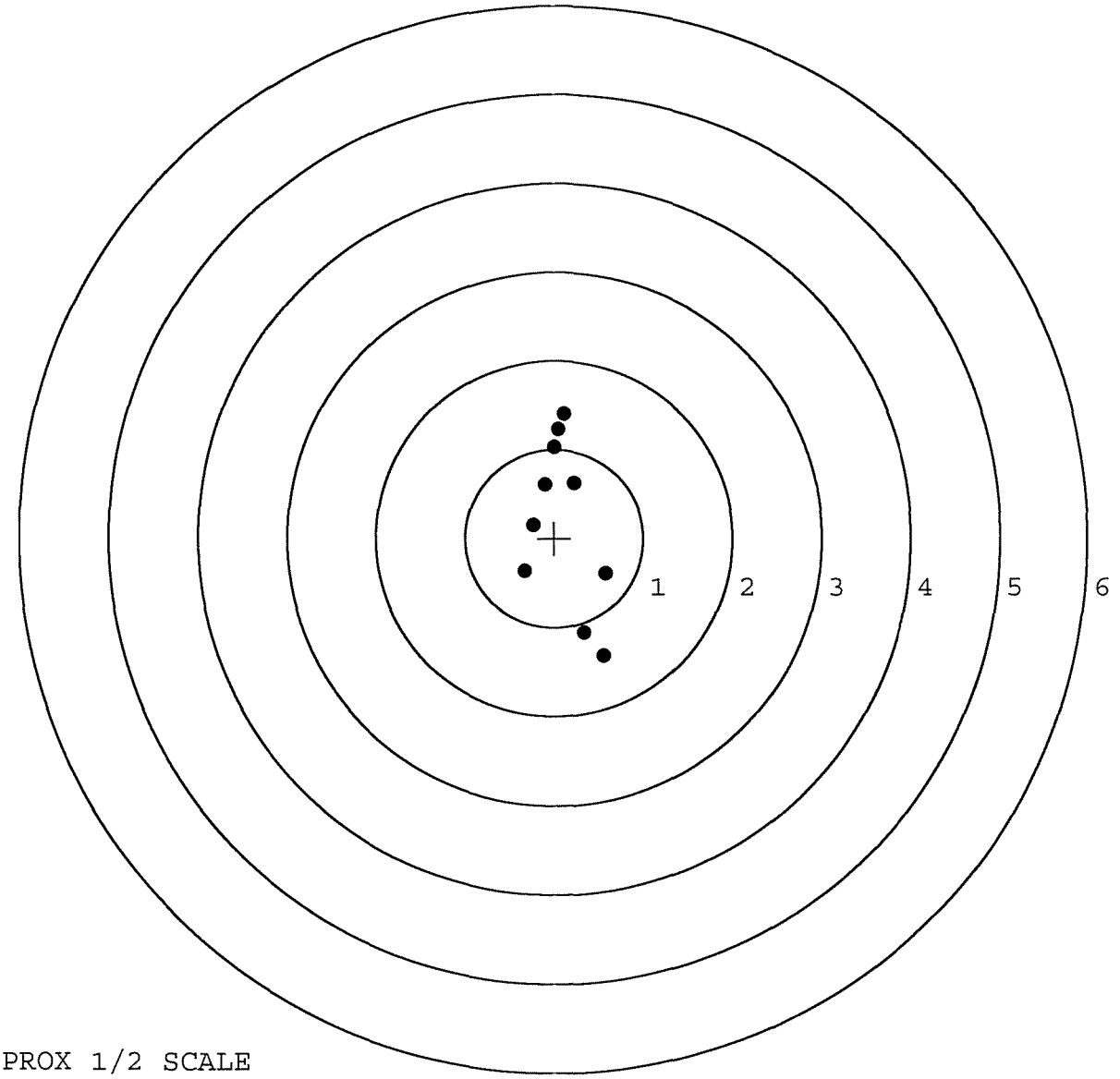


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522325.__0
TARGET NUMBER: 3
FILE DATE: 03/28/2005
FILE TIME: 09:47

X CENTROID:	0.119
Y CENTROID:	0.186
POA TO CENTROID:	0.221
HORZ SPREAD:	0.915
VERT SPREAD:	2.718
GROUP SPREAD:	2.753
MIN RADIUS:	0.355
MAX RADIUS:	1.572
MEAN RADIUS:	0.867
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.559	-1.323
2:	0.337	-1.064
3:	0.580	-0.398
4:	-0.335	-0.367
5:	-0.234	0.151
6:	-0.112	0.602
7:	0.222	0.623
8:	0.005	1.023
9:	0.050	1.221
10:	0.119	1.395

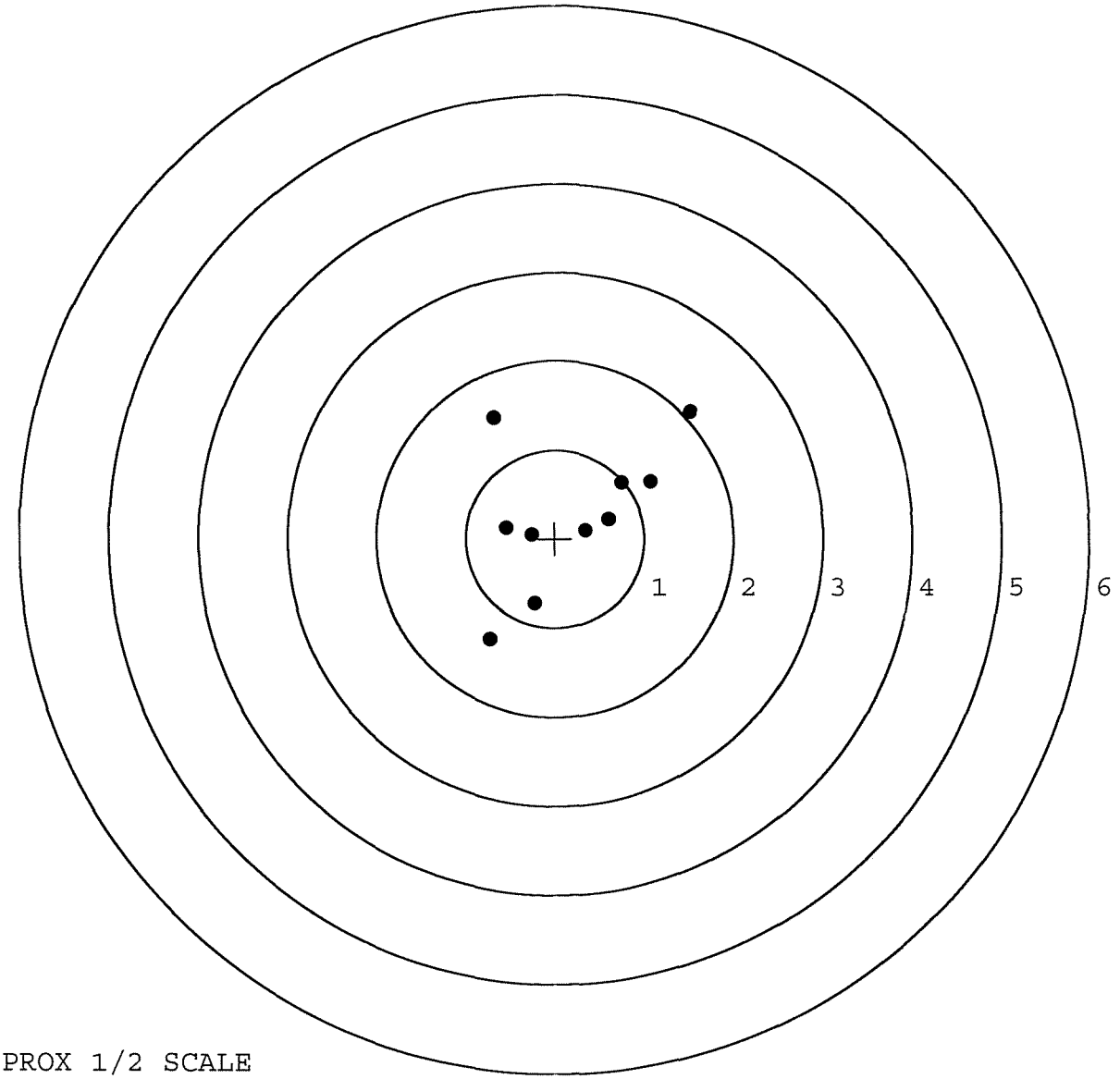


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522325.__0
TARGET NUMBER: 4
FILE DATE: 03/28/2005
FILE TIME: 09:47

X CENTROID:	0.182
Y CENTROID:	0.270
POA TO CENTROID:	0.325
HORZ SPREAD:	2.251
VERT SPREAD:	2.553
GROUP SPREAD:	3.404
MIN RADIUS:	0.238
MAX RADIUS:	1.766
MEAN RADIUS:	0.945
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	1.072	0.640
2:	0.746	0.635
3:	0.603	0.222
4:	0.343	0.094
5:	-0.261	0.047
6:	-0.548	0.128
7:	-0.236	-0.729
8:	-0.733	-1.129
9:	-0.684	1.364
10:	1.518	1.424

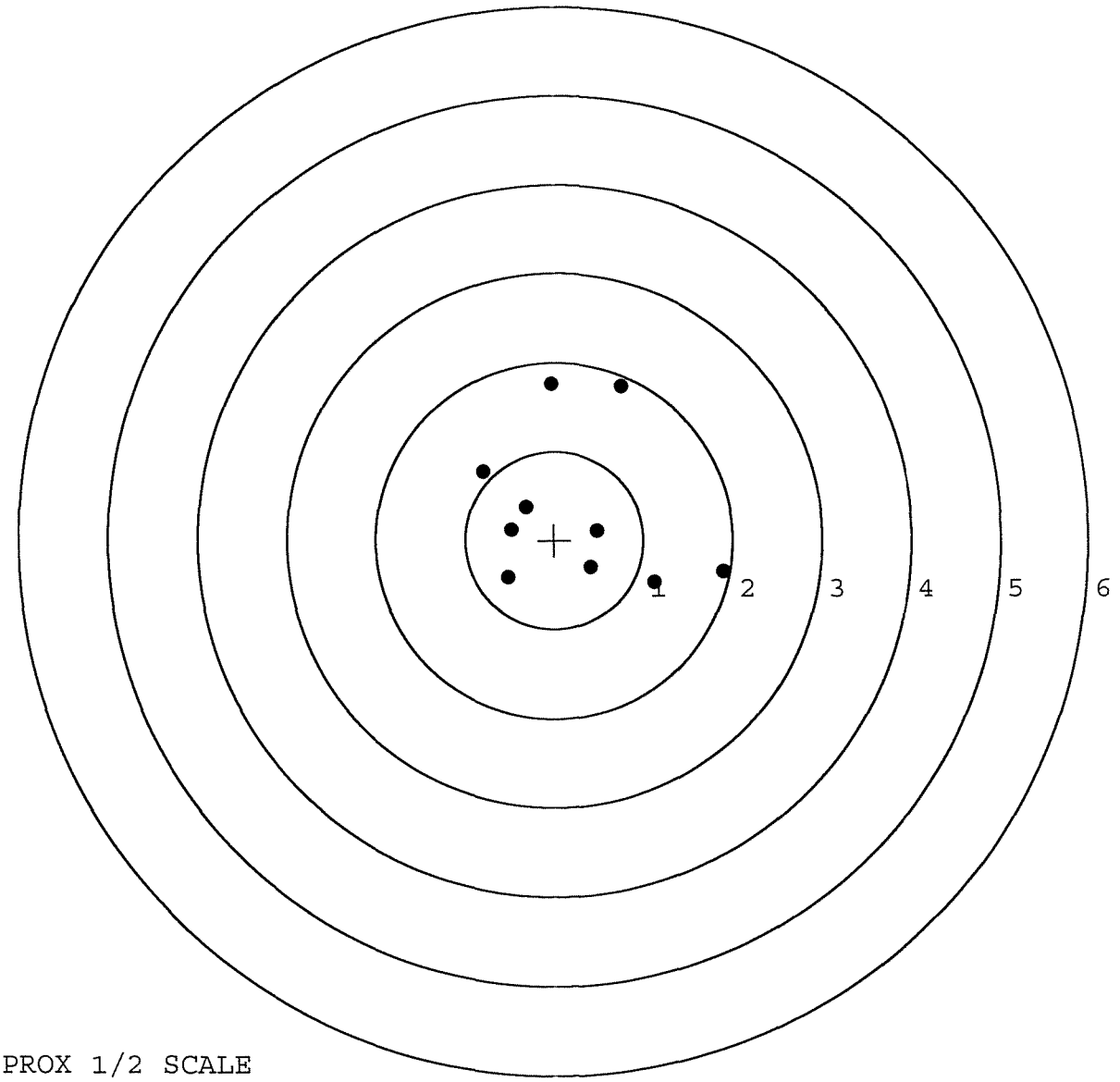


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522325.__0
TARGET NUMBER: 5
FILE DATE: 03/28/2005
FILE TIME: 09:47

X CENTROID:	0.250
Y CENTROID:	0.330
POA TO CENTROID:	0.414
HORZ SPREAD:	2.696
VERT SPREAD:	2.235
GROUP SPREAD:	2.926
MIN RADIUS:	0.318
MAX RADIUS:	1.787
MEAN RADIUS:	1.045
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	4
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	1.699	-0.360
2:	1.123	-0.481
3:	0.482	0.112
4:	0.413	-0.309
5:	-0.325	0.375
6:	-0.481	0.124
7:	-0.521	-0.424
8:	-0.797	0.776
9:	-0.038	1.754
10:	0.749	1.733



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)

SERIAL NO. _____

DATE 2-18-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.16	2.81		2.38	
PULL #2	2.52	2.68		2.36	
PULL #3	2.54	2.64		2.37	
PULL #4	2.56	2.39		2.35	
PULL #5	2.70	2.44		2.36	
TOTAL	12.48	12.96		11.82	
AVERAGE	2.49	2.59		2.36	

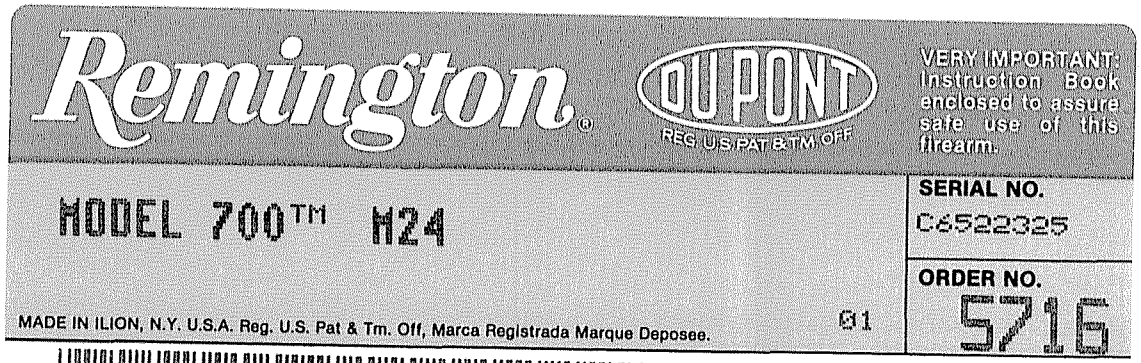
	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.10		
PULL #2	3.58	3.21		
PULL #3	3.32	3.31		
PULL #4	3.41	3.20		
PULL #5	3.39	3.17		
TOTAL	17.01	15.99		
AVERAGE	3.40	3.19		

	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	4.23	4.03		4.08
PULL #2	4.20	4.00		4.07
PULL #3	4.19	3.98		4.12
PULL #4	4.02	3.91		4.01
PULL #5	4.09	3.90		4.02
TOTAL	20.73	19.82		20.30
AVERAGE	4.14	3.96		4.06

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

R & E NUMBER	93000		
SERIAL NUMBER	CC052325		
LOG-IN DATE	2-11-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-21-05	RTL
560 A	RE-BARREL	2-22-05	RTL
B	DRILL AND TAP	2-28-05	TRW
575	ASSEMBLE	2-23-05	RTL
600	PROOF	2-24-05	AC
605	CHECK HEADSPACE	2-24-05	
610	DIS-ASSEMBLE GUN	2-24-05	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	3-1-05	CW
618	ROTO-BLAST	3-3-05	LB
620	APPLY COATINGS	3/16/05	
625 A	FINAL ASSEMBLY	3-24-05	RTL
B	TRIGGER PULL TEST	3-31-05	TRW
C	SAFETY "ON" FORCE	3-31-05	AC
D	SAFETY "OFF" FORCE	3-31-05	AC
E	FIRING PIN INDENT	3-31-05	AC
640	TARGET	3-28-05	TRW
655	FINAL INSPECT	3-31-05	AC
660	PACK	4-4-05	DA
		SHIP DATE	
	QAR INSPECTION DATE		

MAGNA-FLUX INSPECTED MAR 0 6 2005



CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522325
7 Sep 1990

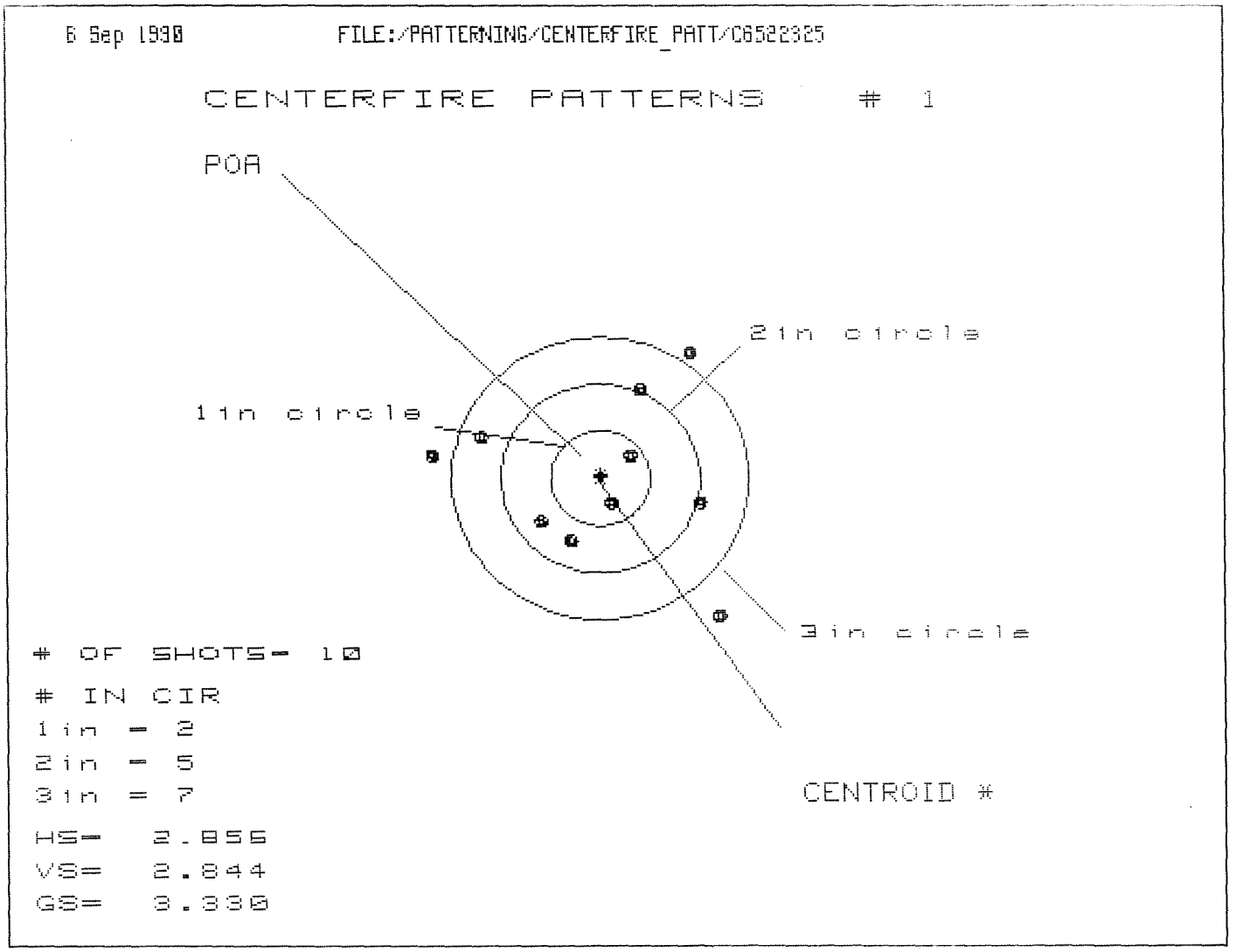
CENTROIDAL DISTANCES

0	TO	1	.04005
1	TO	2	.273593
1	TO	3	.295357
1	TO	4	.539801
1	TO	5	.0385876

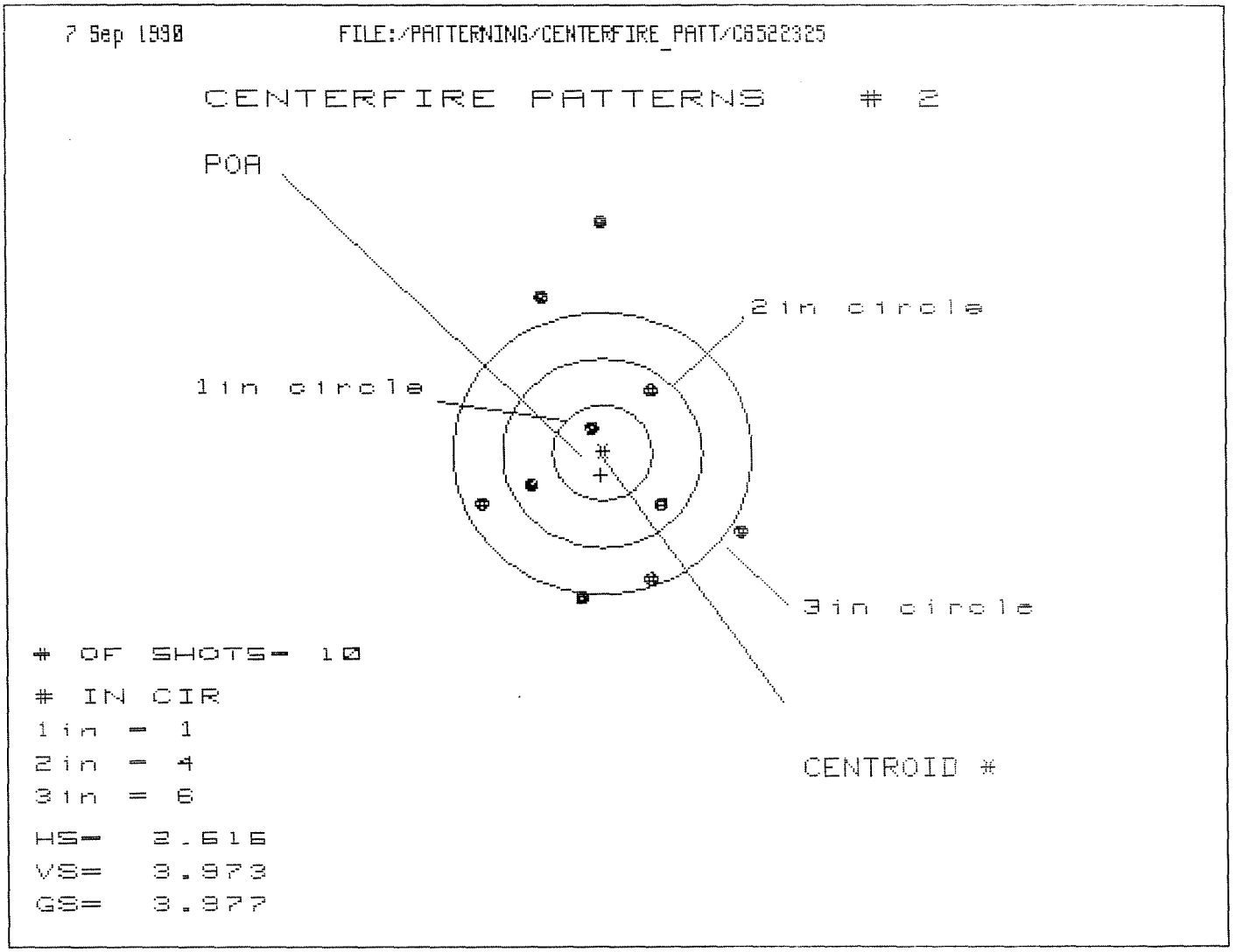
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0966
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1224
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .155927

THE AMR FOR THIS RIFLE IS: 1.214



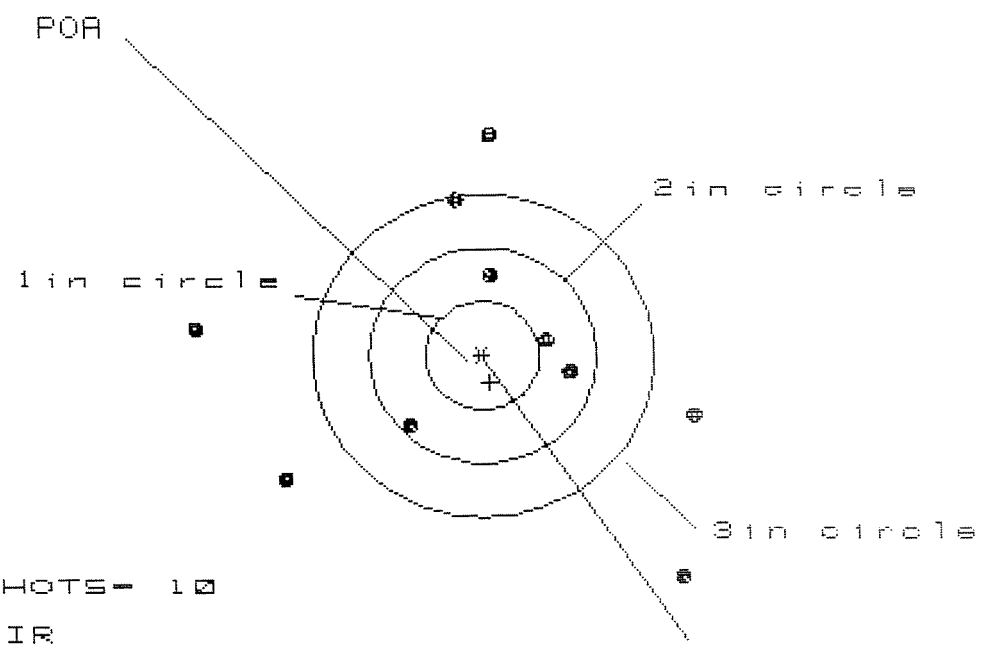
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.157	1.148	.952
MINIMUM X	:	-1.699	-1.571	-1.265
MAXIMUM Y	:	1.345	1.178	1.184
MINIMUM Y	:	-1.499	-.828	-.822
CENTROID X	:	-.002	-.130	.066
CENTROID Y	:	-.040	.127	.121
POA TO CENTROID in.	:	.040	.182	.138
MIN RADIUS	:	.296	.425	.240
MEAN RADIUS	:	1.066	.985	.881
MAX RADIUS	:	1.894	1.571	1.425
HORIZONTAL SPREAD	:	2.856	2.719	2.217
VERTICAL SPREAD	:	2.844	2.006	2.006
EXTREME SPREAD	:	3.330	2.799	2.334
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	



PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.359	1.355	1.277
MINIMUM X	:	-1.257	-1.261	-1.339
MAXIMUM Y	:	2.487	1.949	1.215
MINIMUM Y	:	-1.486	-1.209	-.966
CENTROID X	:	.016	.020	.098
CENTROID Y	:	.233	-.044	-.287
POA TO CENTROID in.	:	.233	.048	.303
MIN RADIUS	:	.269	.537	.543
MEAN RADIUS	:	1.292	1.138	1.006
MAX RADIUS	:	2.488	2.045	1.340
HORIZONTAL SPREAD	:	2.616	2.616	2.616
VERTICAL SPREAD	:	3.973	3.158	2.181
EXTREME SPREAD	:	3.977	3.233	2.629
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

7 Sep 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C6522325

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

# IN CIR
1in = 0
2in = 4
3in = 5

HS= 4.437
VS= 4.069
GS= 4.934

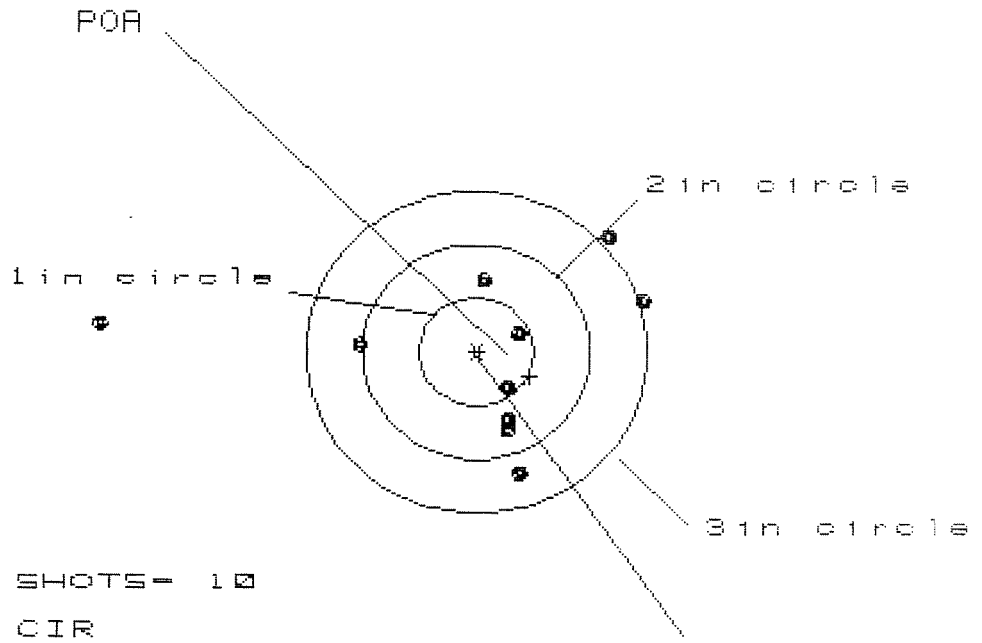
PATTERN # : 3

SHOTS (BEST OF) :	10	9	8
MAXIMUM X :	1.873	2.073	1.777
MINIMUM X :	-2.564	-2.364	-1.868
MAXIMUM Y :	2.005	1.776	1.778
MINIMUM Y :	-2.064	-1.363	-1.361
CENTROID X :	-.058	-.258	.038
CENTROID Y :	.250	.479	.477
POA TO CENTROID in.:	.256	.544	.479
MIN RADIUS :	.558	.558	.455
MEAN RADIUS :	1.581	1.445	1.267
MAX RADIUS :	2.736	2.364	2.311
HORIZONTAL SPREAD :	4.437	4.437	3.645
VERTICAL SPREAD :	4.069	3.139	3.139
EXTREME SPREAD :	4.934	4.511	3.688

NUMBER IN ONE INCH CIRCLE = 0
NUMBER IN TWO INCH CIRCLE = 4
NUMBER IN THREE INCH CIRCLE = 5

7 Sep 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C6522325

CENTERFIRE PATTERNS # 4

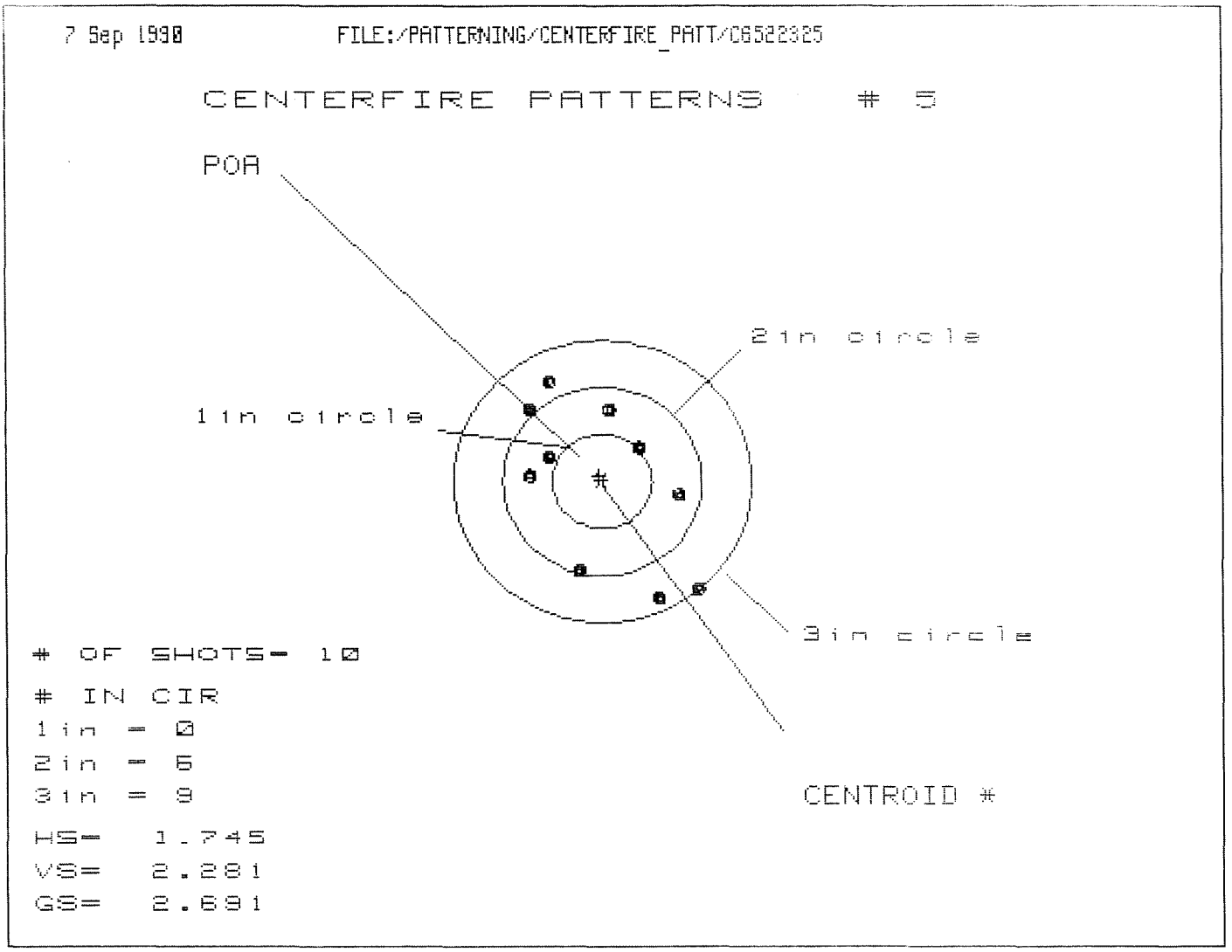


OF SHOTS= 10

# IN CIR
1in = 2
2in = 5
3in = 7

HS= 4.798
VS= 2.200
GS= 4.801

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.493	1.126	1.228
MINIMUM X	:	-3.305	-1.430	-1.327
MAXIMUM Y	:	1.070	1.104	.882
MINIMUM Y	:	-1.130	-1.096	-.958
CENTROID X	:	-.470	-.103	-.205
CENTROID Y	:	.229	.195	.057
POA TO CENTROID in.	:	.523	.221	.213
MIN RADIUS	:	.426	.205	.205
MEAN RADIUS	:	1.181	.864	.772
MAX RADIUS	:	3.318	1.438	1.388
HORIZONTAL SPREAD	:	4.798	2.556	2.556
VERTICAL SPREAD	:	2.200	2.200	1.840
EXTREME SPREAD	:	4.801	2.581	2.581
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.968	.877	.964
MINIMUM X	:	-.777	-.670	-.583
MAXIMUM Y	:	1.087	.958	.793
MINIMUM Y	:	-1.194	-1.323	-1.227
CENTROID X	:	.031	-.076	-.163
CENTROID Y	:	-.060	.069	.234
POA TO CENTROID in.	:	.068	.103	.286
MIN RADIUS	:	.555	.409	.310
MEAN RADIUS	:	.951	.856	.736
MAX RADIUS	:	1.511	1.495	1.229
HORIZONTAL SPREAD	:	1.745	1.547	1.547
VERTICAL SPREAD	:	2.281	2.281	2.020
EXTREME SPREAD	:	2.691	2.532	2.036
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

SWS TRIGGER PULL TEST

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

SERIAL NO. C65 22325
DATE 8/30/90
TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.38	2.35	251	MIN. SETTING,
PULL #2	2.38	2.30	2.36	261	NO AVG. OF 5
PULL #3	2.36	2.32	2.40	267	READINGS ACCEPT-
PULL #4	2.39	2.33	2.30	267	ABLE LESS THAN 2#
PULL #5	2.36	2.32	2.32	265	
TOTAL	11.95	11.65	11.73		
AVG.	2.39	2.33	2.346		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.13		
PULL #2	3.25	3.12		
PULL #3	3.25	3.11		
PULL #4	3.18	3.11		
PULL #5	3.20	3.12		
TOTAL	16.14	15.59		
AVG.	3.228	3.118		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.23		4.22
PULL #2	4.21	4.26		4.26
PULL #3	4.20	4.21		4.24
PULL #4	4.20	4.19		4.24
PULL #5	4.22	4.20		4.26
TOTAL	21.05	21.09		21.22
AVG.	4.21	4.218		4.244

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522325

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 2	90	RW
600	Proof	8 2	90	RW
607	Check Headspace	8 2	90	RW
610	Dis-assemble Gun	8 2	90	RW
612	Magnaflux Barrel Action		8/6/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	GS
617	Drill and Tap Sight Holes		8/10/90	RB
618	Polish Barrel RB		8/14/90	WS
620	Apply Coatings (Barrel Action)		8/24/90	
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/27/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/27/90	RW
	C) Inspect Ejector Hole for Chamfer		8/27/90	RW
	D) Oil Firing Pin Ass'y		8/27/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/30/90	RW

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force	4 | 4 | 4	8/30/90	WB
	G) Safety Off Force	3 | 3 | 3	8/30/90	WB
	H) Trigger Pull Test & Retainability		8/30/90	
	I) Firing Pin Indent	.022 | .022 | .022	8/30/90	WB
	J) Assemble Stock		9/5/90	RW
	K) Assemble Swivel Studs		9/8/90	
	L) Attach Front and Rear Sight Assemblies		9/5/90	RW
	M) Iron Sight Alignment		9/5/90	RW
	N) Detach Front & Rear Sights & place in numbered container		9/5/90	RW
	O) Attach Scope to Rifle		9/5/90	RW
	P) Detach & Attach Scope 20 Times		9/5/90	RW
640	Gallery Target & Test		9/6/90	KJ
	A) Time		9/6/90	KJ
	B) Malfunctions		9/6/90	KJ
	C) Pierced Primers		9/6/90	KJ
	D) Optical Clearity of Scope		9/6/90	KJ
645	Inspect for Live Ammo		9/6/90	KJ
655	Final Inspection A) Headspace		9/8/90	
	B) Trigger Pull	25 | 26 | 26 | 26 | 26	9/8/90	
	C) Function		9/8/90	
660	Pack		9-9-90	DH