C6225192

MODEL 700™ M24

Model SWS ™

Action

Barrel Length

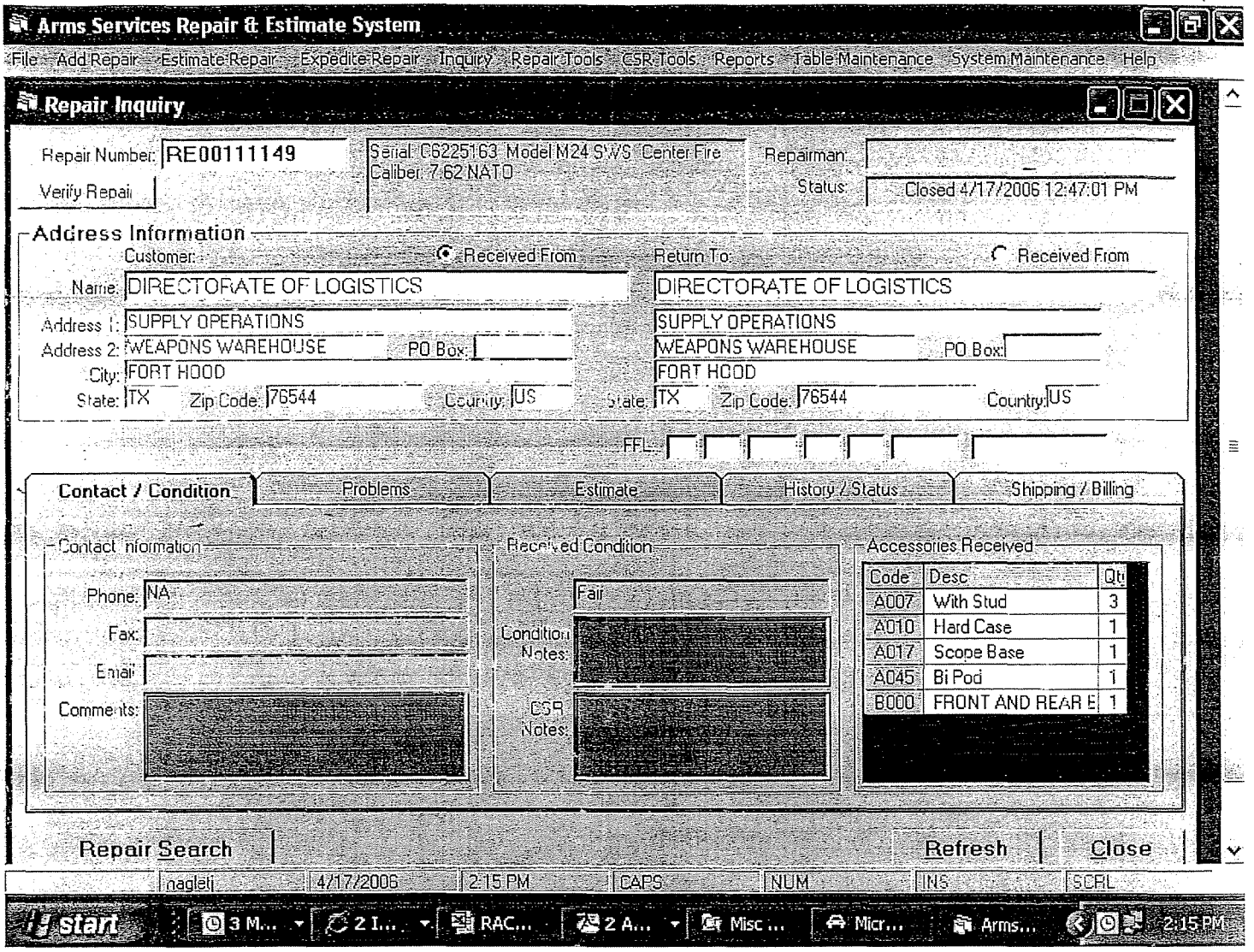
Capacity

Order No. 5716

*Includes 1 in chamber.

Remington®

Smead®


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: RE00111149
Verify Repair
Serial: C6225163 Model M24 SWS Center Fire
Caliber: 7.62 NATO
Repairman:
Status: Closed 4/17/2006 12:47:01 PM
Address Information
Customer: Received From
Name: DIRECTORATE OF LOGISTICS
Address 1: SUPPLY OPERATIONS
Address 2: WEAPONS WAREHOUSE PO Box:
City: FORT HOOD
State: TX Zip Code: 76544 Country: US
Return To: Received From
DIRECTORATE OF LOGISTICS
SUPPLY OPERATIONS
WEAPONS WAREHOUSE PO Box:
FORT HOOD
State: TX Zip Code: 76544 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 Qty
A007 With Stud 3
A010 Hard Case 1
A017 Scope Base 1
A045 Bi Pod 1
B000 FRONT AND REAR E 1
Repair Search
Refresh
Close
naglelj
4/17/2006
2:15 PM
CAPS
NUM
INS
SCRL
start
3 M...
2 I...
RAC...
2 A...
Misc ...
Micr...
Arms...
2:15 PM


Serial Number: C6225192
Model: M24 SWS
RE00111150

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 4-17-06

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.43	256		247	
PULL #2	2.44	255		2.51	
PULL #3	2.46	258		256	
PULL #4	2.42	2.42		2.61	
PULL #5	250	246		2.51	
TOTAL	12.25	12.57		12.66	
AVERAGE	2.45	2.51		2.53	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	309	302		
PULL #2	303	298		
PULL #3	297	2.92		
PULL #4	308	2.95		
PULL #5	292	2.93		
TOTAL	15.09	14.80		
AVERAGE	3.01	2.96		

	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	4.13		4.03
PULL #2	4.17	422		4.05
PULL #3	4.19	4.18		4.13
PULL #4	4.18	4.26		4.12
PULL #5	4.20	431		4.18
TOTAL	20.86	21.10		20.51
AVERAGE	4.17	4.22		410

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225192.__0
FILE DATE AND TIME: 06/05/2006 08:35

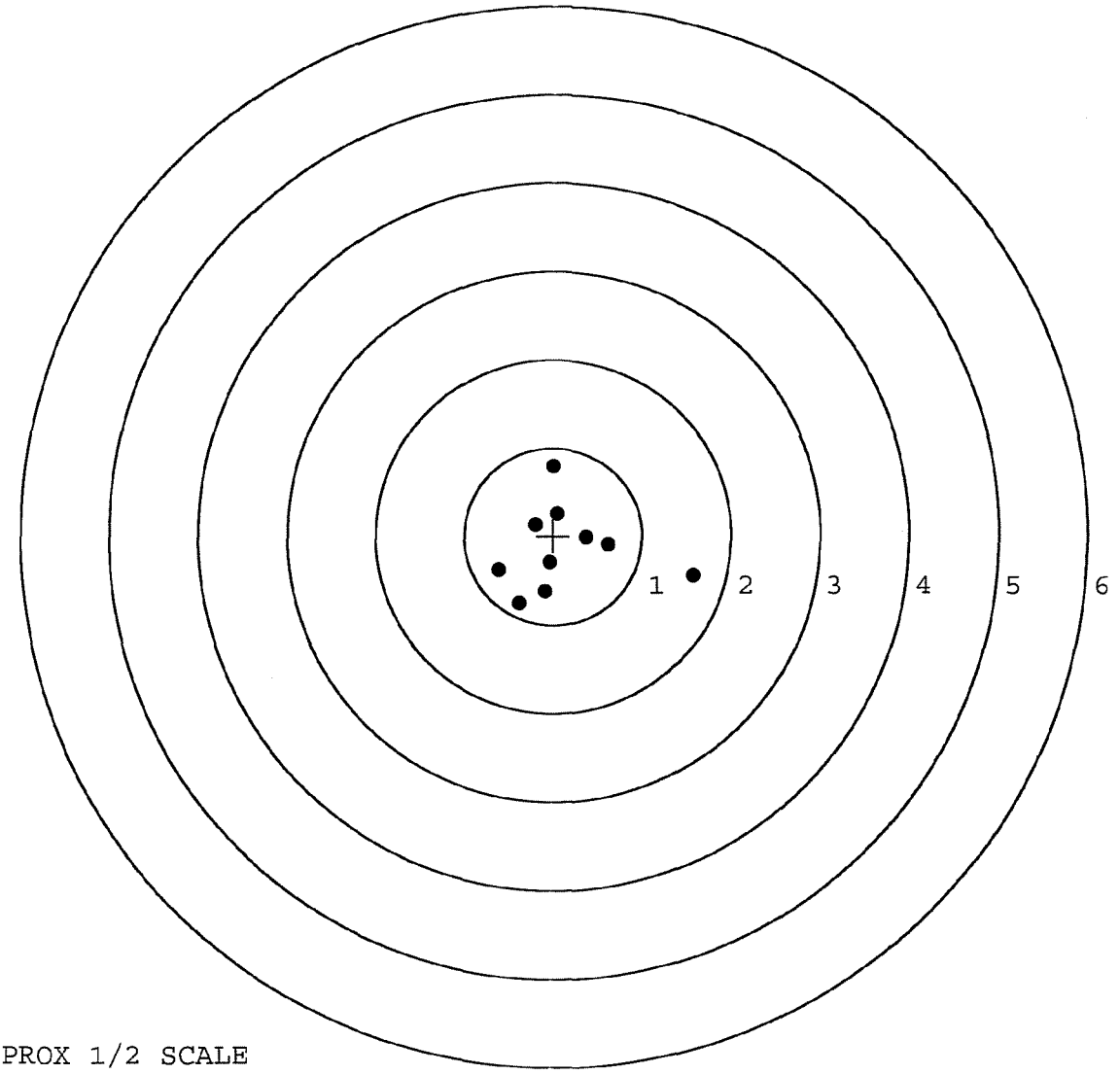
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.088
The Average Y Centroid of the Five Target Set:	-0.090
The Average Point of Impact of the Five Target Set:	0.126
The Average Mean Radius of the Five Target Set:	0.667
The Distance from POA to Centroid Target #1:	0.198
The Distance from Centroid Target #2 to Centroid Target #1:	0.081
The Distance from Centroid Target #3 to Centroid Target #1:	0.091
The Distance from Centroid Target #4 to Centroid Target #1:	0.210
The Distance from Centroid Target #5 to Centroid Target #1:	0.141

SERIAL NUMBER: C6225192.__0
TARGET NUMBER: 1
FILE DATE: 06/05/2006
FILE TIME: 08:35

X CENTROID:	0.131
Y CENTROID:	-0.148
POA TO CENTROID:	0.198
HORZ SPREAD:	2.189
VERT SPREAD:	1.557
GROUP SPREAD:	2.190
MIN RADIUS:	0.230
MAX RADIUS:	1.474
MEAN RADIUS:	0.637
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.576	-0.442
2:	0.626	-0.098
3:	-0.087	-0.632
4:	-0.375	-0.764
5:	-0.613	-0.391
6:	-0.040	-0.302
7:	0.012	0.793
8:	-0.206	0.120
9:	0.049	0.250
10:	0.369	-0.018

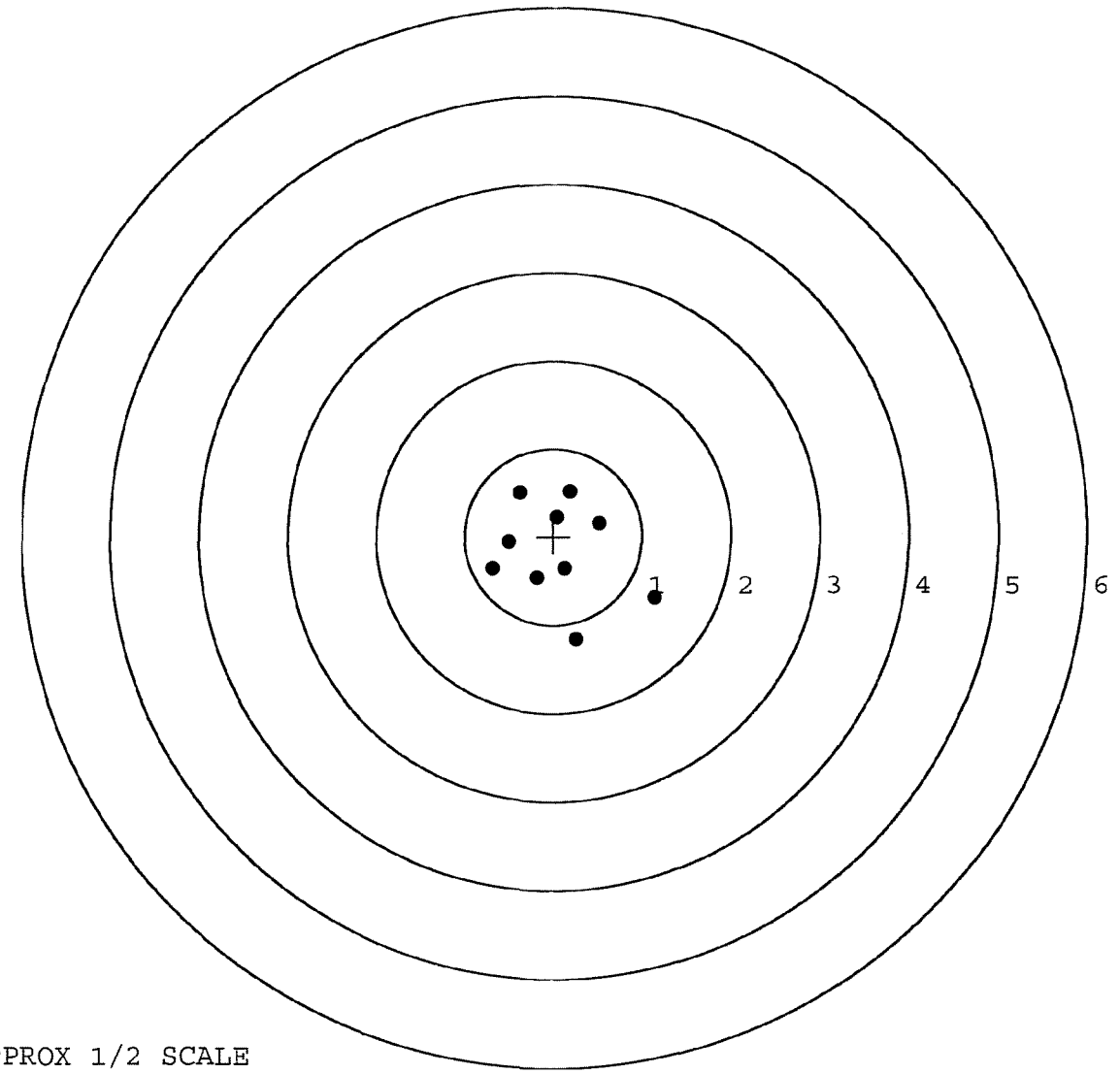


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225192.__0
TARGET NUMBER: 2
FILE DATE: 06/05/2006
FILE TIME: 08:35

X CENTROID:	0.055
Y CENTROID:	-0.174
POA TO CENTROID:	0.182
HORZ SPREAD:	1.826
VERT SPREAD:	1.678
GROUP SPREAD:	1.938
MIN RADIUS:	0.204
MAX RADIUS:	1.209
MEAN RADIUS:	0.660
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.143	-0.699
2:	0.260	-1.162
3:	0.134	-0.362
4:	-0.183	-0.469
5:	-0.502	-0.069
6:	-0.683	-0.372
7:	0.519	0.155
8:	0.045	0.226
9:	0.191	0.516
10:	-0.379	0.500

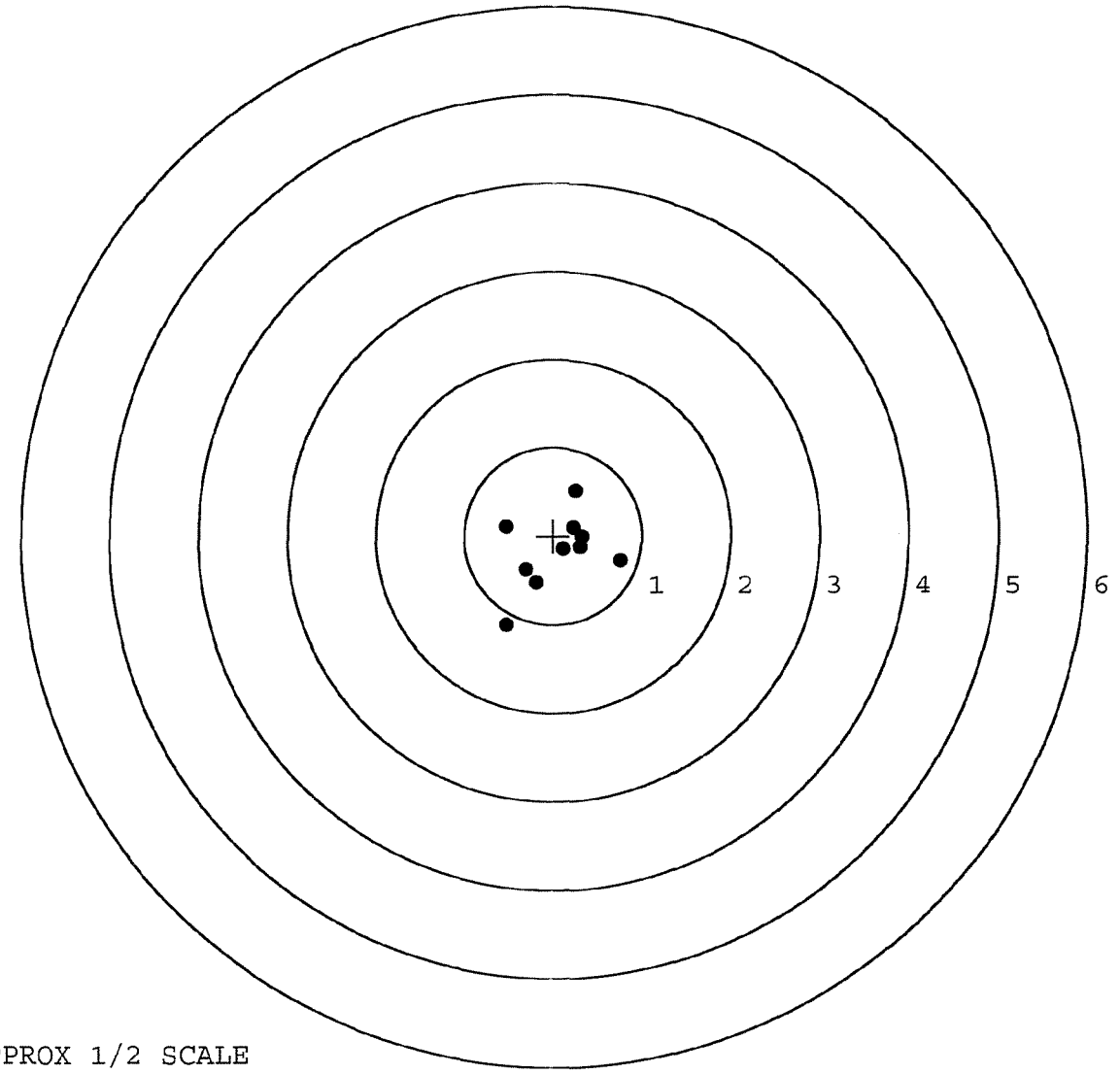


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225192.__0
TARGET NUMBER: 3
FILE DATE: 06/05/2006
FILE TIME: 08:35

X CENTROID:	0.045
Y CENTROID:	-0.177
POA TO CENTROID:	0.182
HORZ SPREAD:	1.294
VERT SPREAD:	1.520
GROUP SPREAD:	1.709
MIN RADIUS:	0.081
MAX RADIUS:	1.011
MEAN RADIUS:	0.492
# IN 1 IN DIAMETER:	6
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.524	-1.013
2:	0.762	-0.276
3:	0.257	0.507
4:	0.231	0.099
5:	0.326	-0.009
6:	0.302	-0.122
7:	0.120	-0.147
8:	-0.188	-0.529
9:	-0.305	-0.381
10:	-0.532	0.104

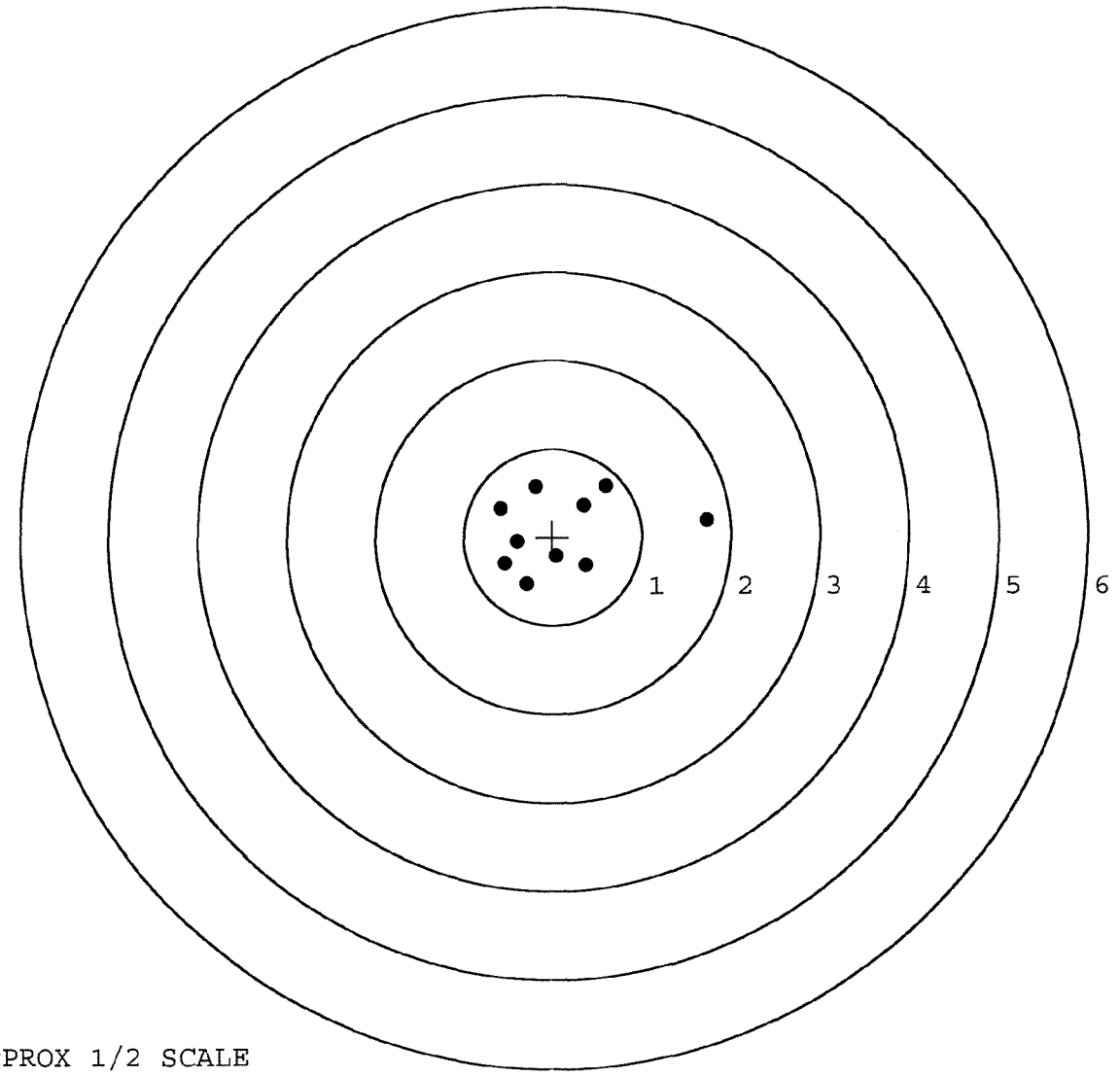


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225192.__0
TARGET NUMBER: 4
FILE DATE: 06/05/2006
FILE TIME: 08:35

X CENTROID:	0.107
Y CENTROID:	0.060
POA TO CENTROID:	0.123
HORZ SPREAD:	2.314
VERT SPREAD:	1.121
GROUP SPREAD:	2.318
MIN RADIUS:	0.285
MAX RADIUS:	1.623
MEAN RADIUS:	0.680
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	1.724	0.196
2:	0.599	0.582
3:	0.350	0.362
4:	-0.200	0.572
5:	-0.590	0.324
6:	0.374	-0.315
7:	0.040	-0.217
8:	-0.398	-0.056
9:	-0.292	-0.539
10:	-0.539	-0.306

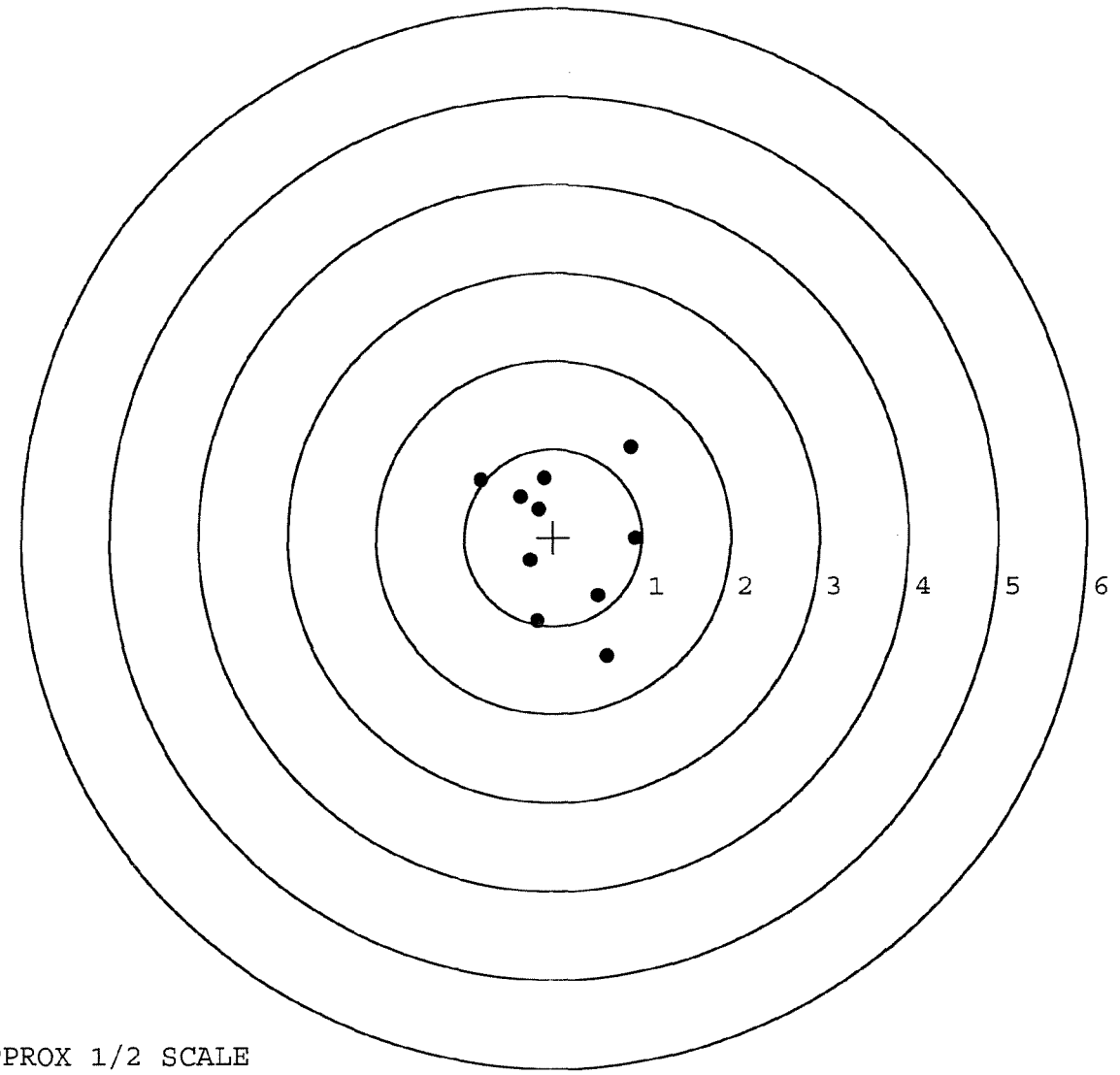


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225192.__0
TARGET NUMBER: 5
FILE DATE: 06/05/2006
FILE TIME: 08:35

X CENTROID:	0.104
Y CENTROID:	-0.010
POA TO CENTROID:	0.105
HORZ SPREAD:	1.740
VERT SPREAD:	2.364
GROUP SPREAD:	2.449
MIN RADIUS:	0.421
MAX RADIUS:	1.426
MEAN RADIUS:	0.864
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.875	1.022
2:	-0.101	0.671
3:	-0.162	0.316
4:	-0.373	0.455
5:	-0.814	0.647
6:	0.926	-0.010
7:	0.511	-0.654
8:	-0.257	-0.261
9:	-0.179	-0.947
10:	0.615	-1.342

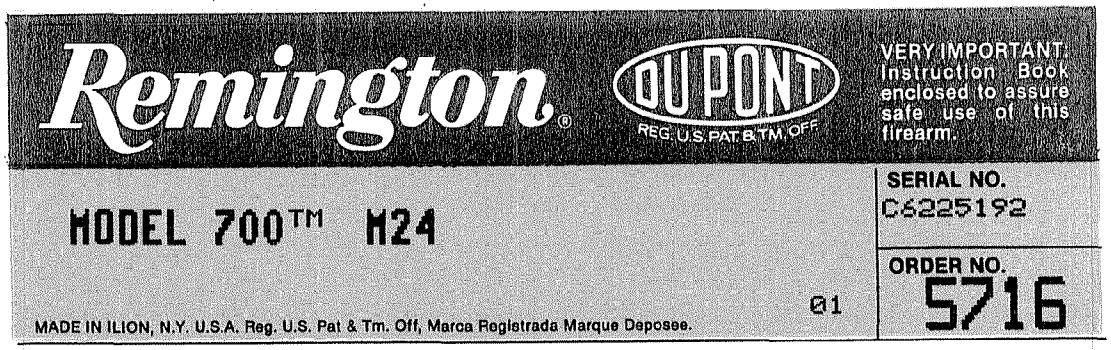


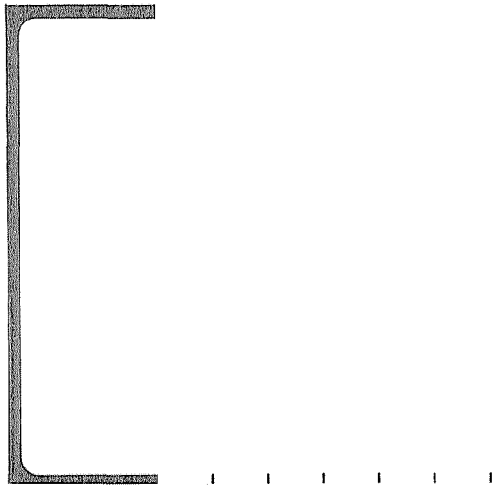
TARGET APPROX 1/2 SCALE

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

R & E NUMBER	111150
SERIAL NUMBER	C6225192
LOG-IN DATE	4-17-06

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		4-18-06	RTL
505	RE-BARREL		4-20-06	RTL
560	ASSEMBLE		4-20-06	RTL
600	PROOF MAGNA-FLUX INSPECTED MAY 0 8 2006	MAGNA-FLUX INSPECTED APR 2 4 2006	4-20-06	RTL
605	CHECK HEADSPACE		4-20-06	RTL
610	DIS-ASSEMBLE GUN		4-20-06	RTL
612	MAGNAFLUX OPERATOR OPD	OPERATOR [illegible]	4/21/06	[illegible]
510	DRILL AND TAP		4-21-06	TRW
615	ROLLMARK CALIBER	5/8/06 CW	4-21-06	CW
618	ROTO-BLAST	5-8-06 LB	4-21-06	LB
620	APPLY COATINGS	5/11/06 RB	4/25/06	RB
625	FINAL ASSEMBLY		6-2-06	RTL
640	FUNCTION TEST AND	PASS FAIL	6-5-06	TRW
650	TARGET	PASS FAIL	6-5-06	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	6-5-06	R.P.
670	FINAL INSPECTION			
	A) HEADSPACE	PASS FAIL	6-26-06	BLG
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.50 2.75 2.75 2.75 2.90		BLG
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	6 lb 5 lb 6 lb		BLG
	G) SAFETY OFF FORCE (2 LBS MIN)	3 lb 3 lb. 3 lb		BLG
	I) FIRING PIN INDENT (.020)	.0215 .022 .023		BLG
690	PACK		6-27-06	DA





M-24 Scope 0549

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225192

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	KCK
	Magnaflux Bolt		4/27	KCK
615	Rollmark Caliber		4/27	YA
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	TSA
	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		5/17/89	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	YB

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force	5 | 5 | 5	5/23/89	WB
	G) Safety Off Force	2 3/4 | 2 3/4 | 2 1/2	5/23/89	WB
	H) Trigger Pull Test & Retainability		5/23/89	WB
	I) Firing Pin Indent	.022 | .0212 | .0217	5/23/89	WB
	J) Assemble Stock		5/24/89	RW
	K) Assemble Swivel Studs		25May89	SS
	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	JL
	P) Detach & Attach Scope 20 Times		6/24/89	JL
640	Gallery Target & Test	87 12 GSL	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	SS
	B) Trigger Pull	2.66 | 2.59 | 2.68 | 2.57 | 2.41	25May89	SS
	C) Function		25May89	SS
660	Pack		26June89	SS

SWS TRIGGER PULL TEST

5193

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

SERIAL NO. ~~C622596~~
DATE 5-24/89
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.51	2.48	2.63	MIN. SETTING,
PULL #2	2.51	2.42	2.43	2.74	NO AVG. OF 5
PULL #3	2.59	2.45	2.46	2.76	READINGS ACCEPT-
PULL #4	2.58	2.40	2.42	2.69	ABLE LESS THAN 2#
PULL #5	2.56	2.45	2.38	2.79	
TOTAL	12.70	12.23	12.17	13.71	
AVG.	2.54	2.44	2.43	2.742	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.05		
PULL #2	3.25	3.12		
PULL #3	3.15	3.04		
PULL #4	3.31	3.11		
PULL #5	3.16	3.16		
TOTAL	16.15	15.48		
AVG.	3.23	3.09		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.11		3.98
PULL #2	4.27	4.11		4.16
PULL #3	4.39	4.00		4.05
PULL #4	4.35	4.04		4.20
PULL #5	4.29	4.05		4.05
TOTAL	21.63	20.31		20.44
AVG.	4.32	4.06		4.09

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225192
30 May 1989

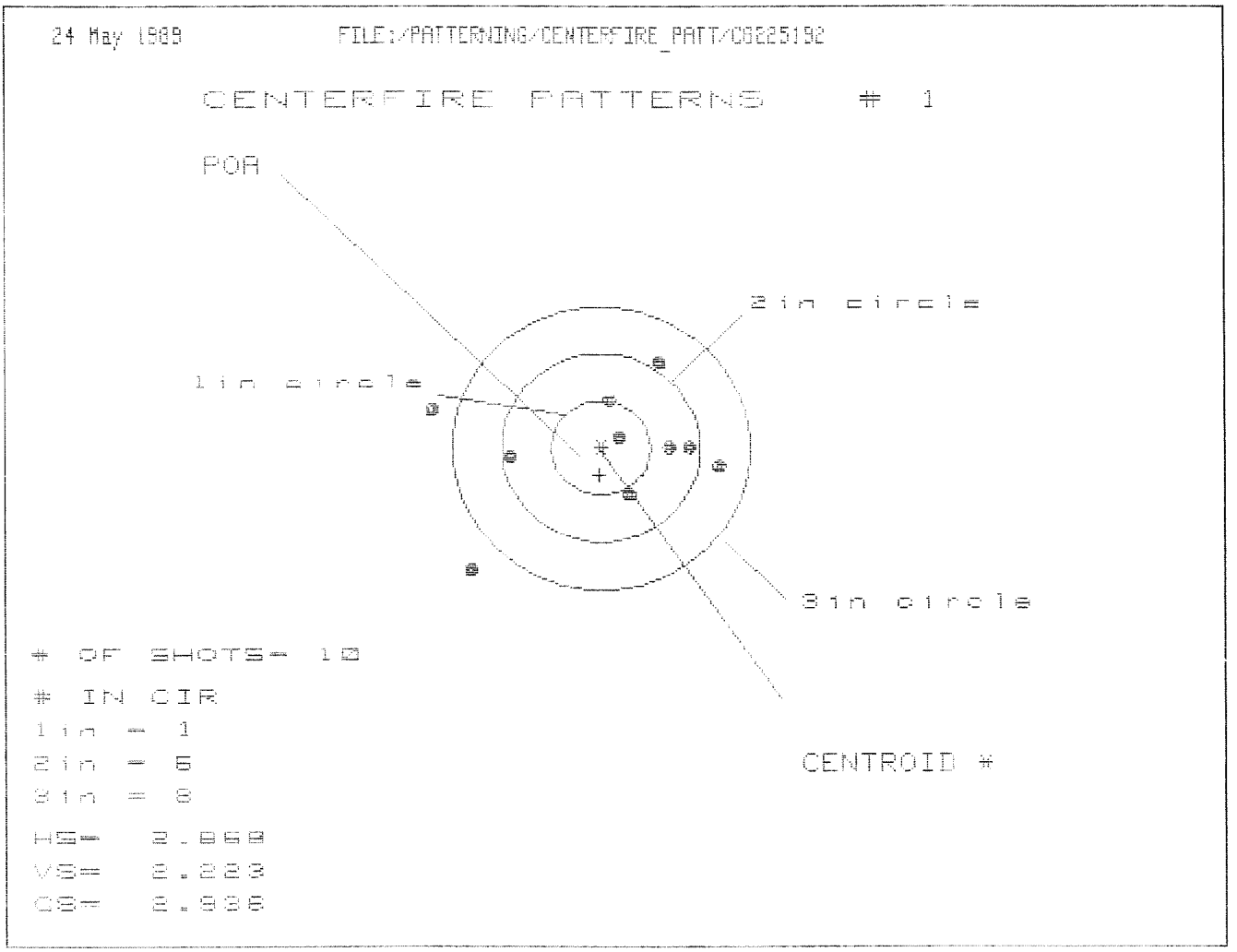
CENTROIDAL DISTANCES

Ø	TO	1	.291337
1	TO	2	.446426
1	TO	3	.222928
1	TO	4	.0778332
1	TO	5	.349871

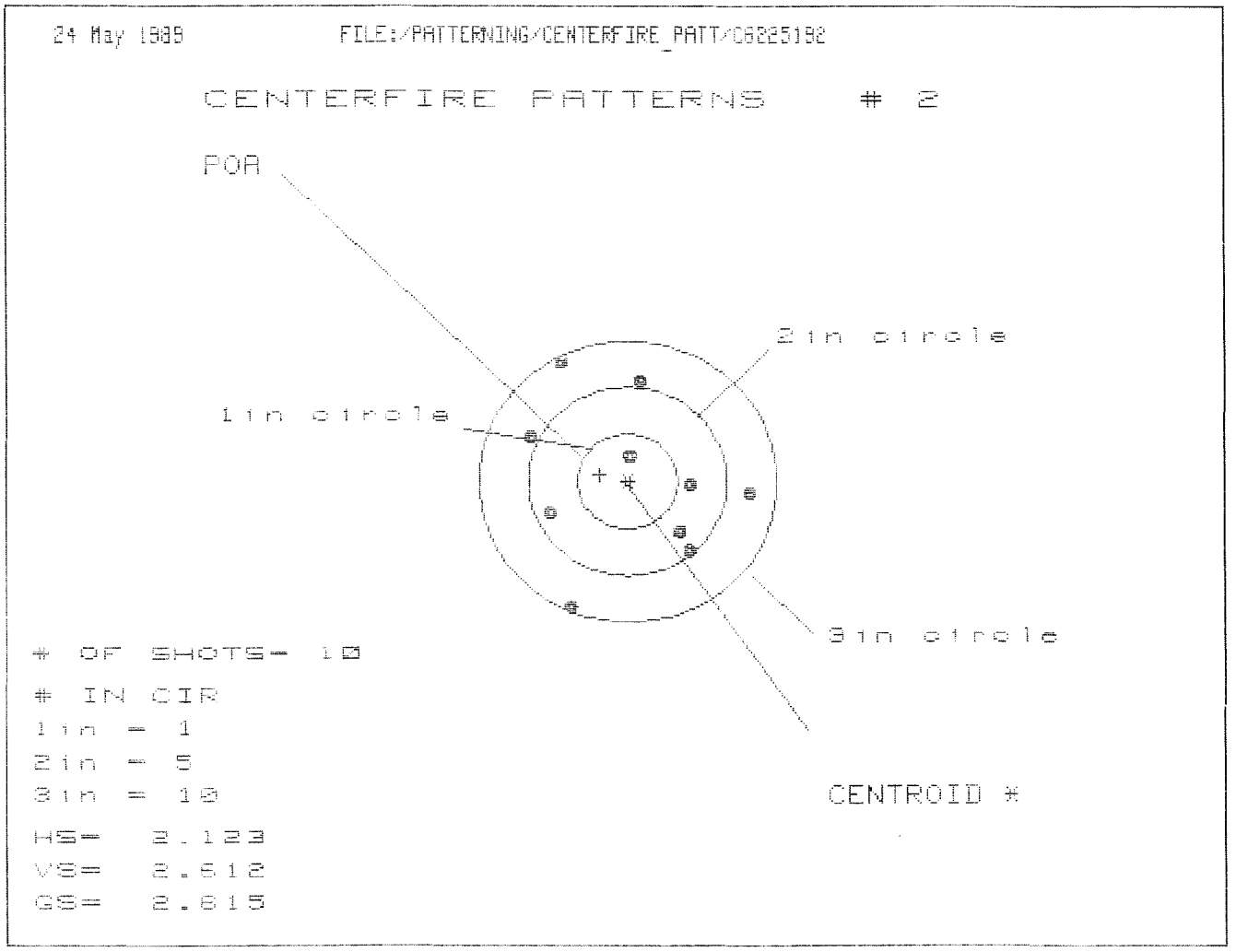
5 1/2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0138
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .167
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .167569

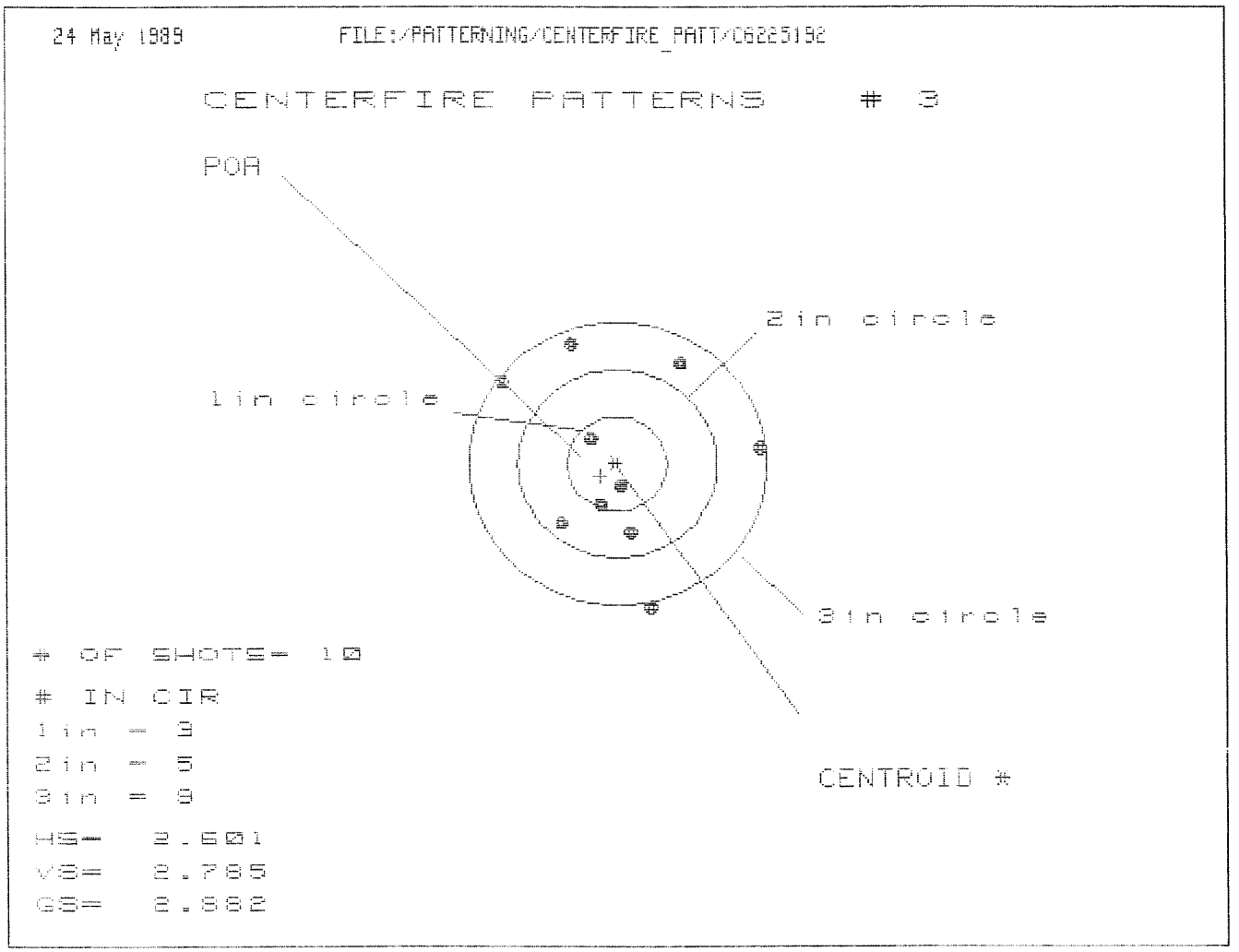
THE AMR FOR THIS RIFLE IS: .961



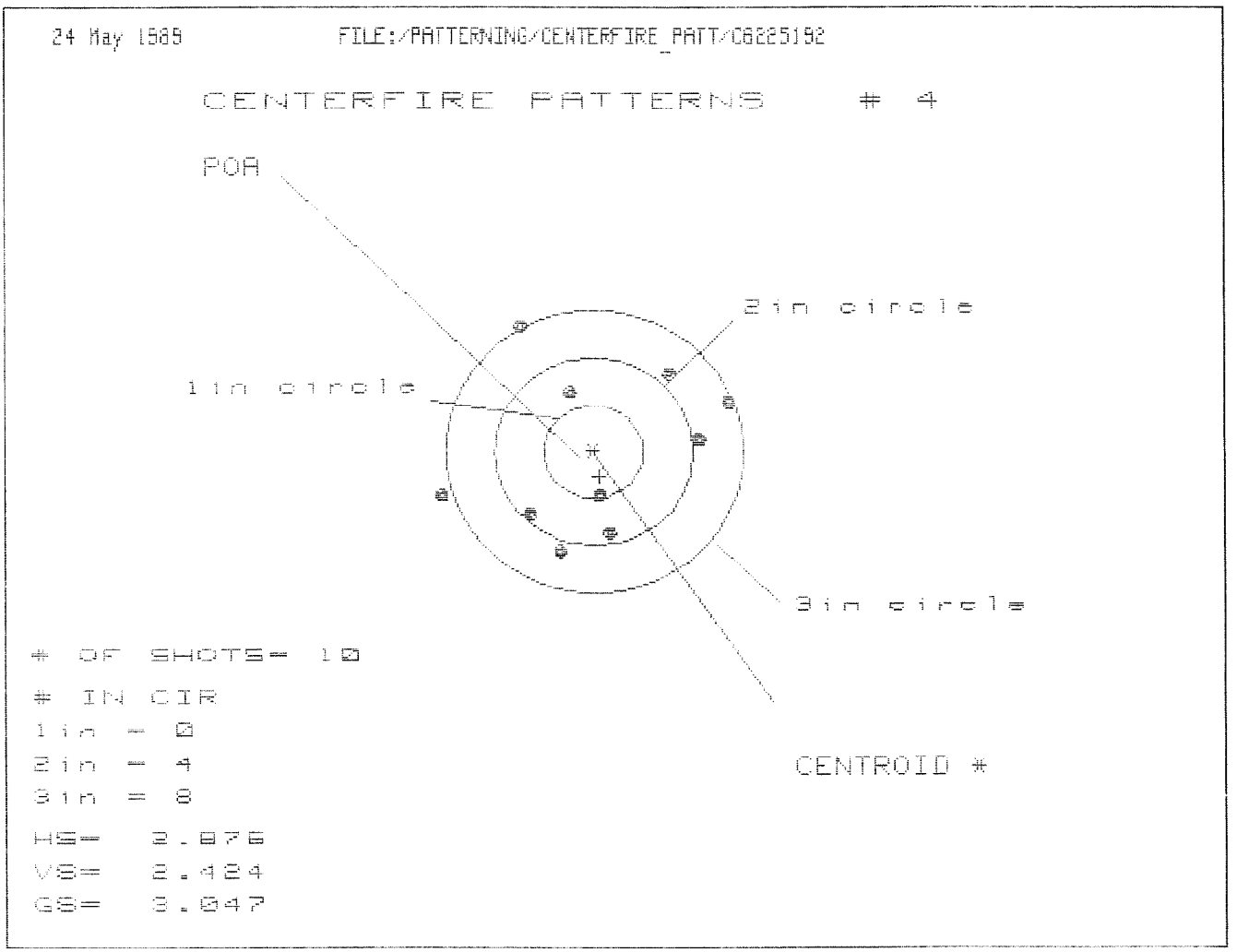
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.155	1.007	.775
MINIMUM X	:	-1.713	-1.861	-1.267
MAXIMUM Y	:	.912	.766	.804
MINIMUM Y	:	-1.311	-.620	-.582
CENTROID X	:	.014	.162	.394
CENTROID Y	:	.291	.437	.399
POA TO CENTROID in.	:	.291	.465	.561
MIN RADIUS	:	.265	.088	.148
MEAN RADIUS	:	.971	.812	.631
MAX RADIUS	:	1.867	1.884	1.277
HORIZONTAL SPREAD	:	2.868	2.868	2.042
VERTICAL SPREAD	:	2.223	1.386	1.386
EXTREME SPREAD	:	2.936	2.936	2.046
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		



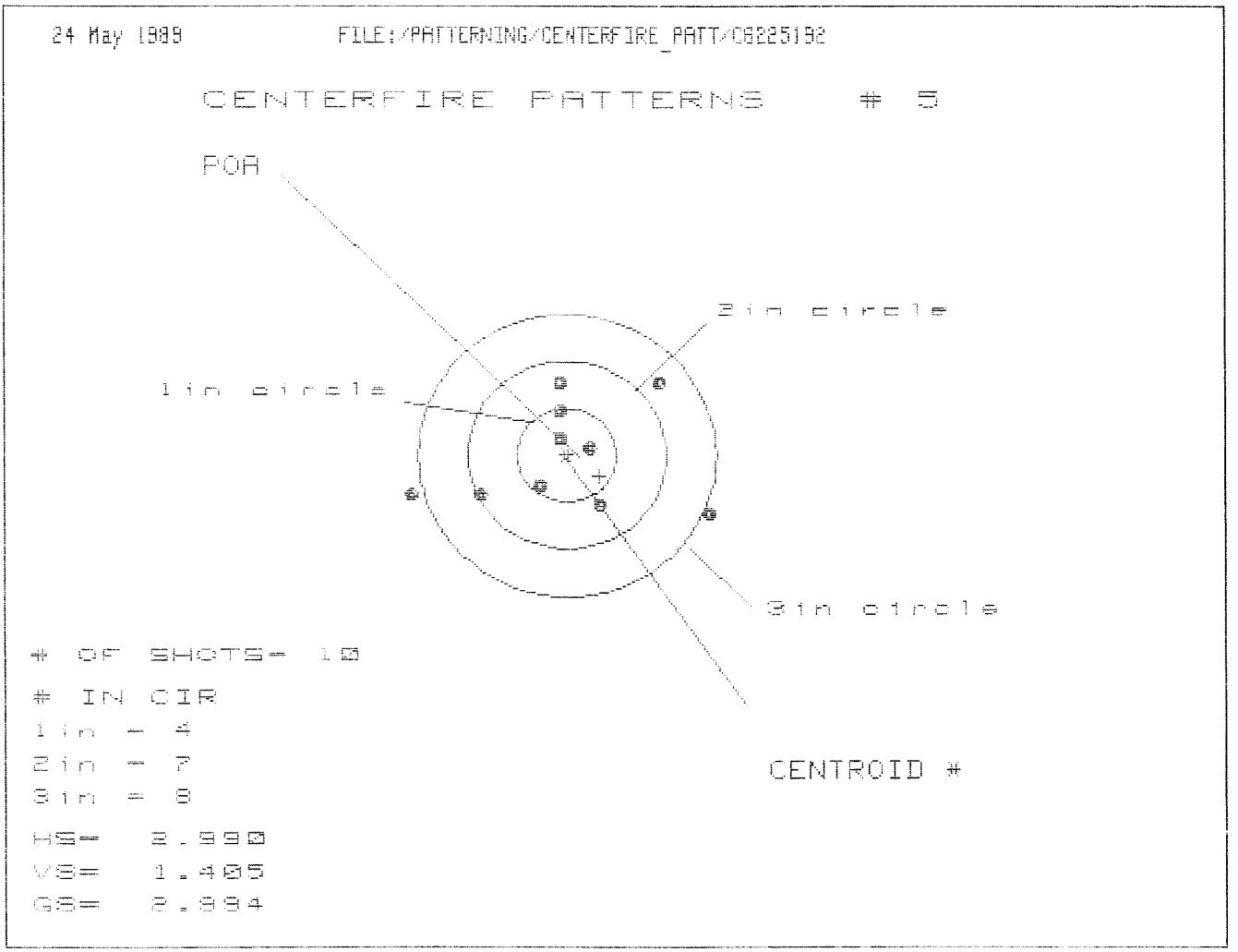
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.189	1.109	1.025
MINIMUM X	:	-.934	-1.014	-1.098
MAXIMUM Y	:	1.307	1.223	1.078
MINIMUM Y	:	-1.305	-1.160	-.755
CENTROID X	:	.278	.358	.442
CENTROID Y	:	-.069	-.214	-.069
POA TO CENTROID in.	:	.287	.417	.448
MIN RADIUS	:	.226	.383	.291
MEAN RADIUS	:	.969	.900	.826
MAX RADIUS	:	1.492	1.341	1.198
HORIZONTAL SPREAD	:	2.123	2.123	2.123
VERTICAL SPREAD	:	2.612	2.383	1.833
EXTREME SPREAD	:	2.615	2.476	2.216
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.471	1.504	.900
MINIMUM X	:	-1.130	-1.097	-.909
MAXIMUM Y	:	1.290	1.124	1.119
MINIMUM Y	:	-1.495	-.931	-.936
CENTROID X	:	.165	.132	-.056
CENTROID Y	:	.127	.293	.298
POA TO CENTROID in.	:	.208	.321	.303
MIN RADIUS	:	.235	.291	.123
MEAN RADIUS	:	.976	.927	.827
MAX RADIUS	:	1.525	1.505	1.270
HORIZONTAL SPREAD	:	2.601	2.601	1.809
VERTICAL SPREAD	:	2.785	2.055	2.055
EXTREME SPREAD	:	2.882	2.693	2.142
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.382	1.216	1.104
MINIMUM X	:	-1.494	-.893	-.934
MAXIMUM Y	:	1.371	1.323	.903
MINIMUM Y	:	-1.053	-1.101	-.936
CENTROID X	:	-.059	.107	.219
CENTROID Y	:	.264	.312	.147
POA TO CENTROID in.	:	.271	.330	.264
MIN RADIUS	:	.505	.547	.417
MEAN RADIUS	:	1.078	1.016	.920
MAX RADIUS	:	1.556	1.596	1.301
HORIZONTAL SPREAD	:	2.876	2.109	2.038
VERTICAL SPREAD	:	2.424	2.424	1.839
EXTREME SPREAD	:	3.047	2.461	2.379
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.441	1.269	.943
MINIMUM X	:	-1.549	-1.083	-.925
MAXIMUM Y	:	.790	.738	.655
MINIMUM Y	:	-.615	-.667	-.664
CENTROID X	:	-.329	-.157	-.315
CENTROID Y	:	.222	.274	.357
POA TO CENTROID in.	:	.397	.316	.477
MIN RADIUS	:	.192	.055	.074
MEAN RADIUS	:	.811	.711	.593
MAX RADIUS	:	1.618	1.433	1.130
HORIZONTAL SPREAD	:	2.990	2.352	1.868
VERTICAL SPREAD	:	1.405	1.405	1.319
EXTREME SPREAD	:	2.994	2.363	2.193
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	