

E 64 3503

~~ISRAELI~~ GUNS

308

CONTRACT # DAAE20-97-C-0182

GUN SERIAL # FL643503

OP. #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		8/20/02	RL
600	PROOF		8/20/02	RW
607	CHECK HEADSPACE		8/20/02	RW
610	DIS-ASSEMBLE GUN	MAGNA - FLUX INSPECTED	8/20/02	RW
612	MAGNAFLUX BARREL ACTION	AUG 28 2002 OPERATOR <u>DRS</u>	8/20/02	RW
	MAGNAFLUX BOLT		8/20/02	RL
615	ROLLMARK CALIBER		8/20/02	RW
617	DRILL AND TAP SIGHT HOLES		8/21/02	RL
618	POLISH BARREL			
620	APPLY COATINGS (BARREL ACTION)		8/25/02	TA
	(BOLT)		8/26/02	TA
625	FINAL ASSEMBLY A) CLEAN INSIDE OF BOLT ASSEMBLY		8/28/02	KL
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		8/28/02	RL
	C) INSPECT EJECTOR HOLE FOR CHAMFER		8/28/02	RL
	D) OIL FIRING PIN ASSEMBLY		8/28/02	KL
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE			

#	OPERATION NAME	READINGS	DATE	INITIAL
625	BARBER M24 0120254 P) SAFETY ON FORCE	<u>5.5</u> <u>5.0</u> <u>5.5</u>	9/6/02	DA
CONT.	G) SAFETY OFF FORCE	<u>3.5</u> <u>4.0</u> <u>4.0</u>	9/6/02	DA
	H) TRIGGER PULL TEST AND RETAINABILITY			
	I) FIRING PIN INDENT	<u>023</u> <u>.023</u> <u>.023</u>	9/6/02	DA
	J) ASSEMBLE STOCK		8/28/02	RL
	K) ASSEMBLE SWIVEL STUDS			
	L) ATTACH FRONT AND REAR SIGHT ASSY'S			
	M) IRON SIGHT ALIGNMENT			
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER			
640	GALLERY TEST AND TARGET		9-4-02	TRW
	A) MALFUNCTIONS		9-4-02	TRW
	B) PIERCED PRIMERS		9-4-02	TRW
645	INSPECT FOR LIVE AMMO		9-4-02	TRW
655	FINAL INSPECTION A) HEADSPACE		9/6/02	RL
	B) TRIGGER PULL	<u>2.09</u> <u>2.53</u> <u>2.12</u> <u>2.68</u> <u>2.35</u>	9/6/02	DA
	C) FUNCTION			
660	PACK		9/6/02	DA

AVERAGE PULL FORCE BETWEEN
BARBER - M24 0120255 TESTS

2.50# ± .50#
 3.00# ± .75#
 4.00# ± 1.00#

SERIAL NO. _____

DATE 8-27-02

TESTER TRW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.22	2.27	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN
PULL #2	2.21	2.24	2.49	
PULL #3	2.23	2.55	2.41	
PULL #4	2.18	2.52	2.32	
PULL #5	2.15	2.58	2.42	
TOTAL	10.99	12.16	12.19	
AVG.	2.19	2.43	2.43	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.06	3.15	
PULL #2	3.03	3.07	
PULL #3	3.13	3.12	
PULL #4	3.09	3.05	
PULL #5	3.03	3.06	
TOTAL	15.34	15.45	
AVG.	3.06	3.09	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FO TARGET & ACCUR
PULL #1	4.02	4.24		4.51
PULL #2	3.95	4.17		4.55
PULL #3	4.16	4.12		4.56
PULL #4	3.97	4.23		4.52
PULL #5	4.12	4.18		4.45
TOTAL	20.22	20.94		22.59
AVG.	4.04	4.18		4.51

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: E6413503.___0

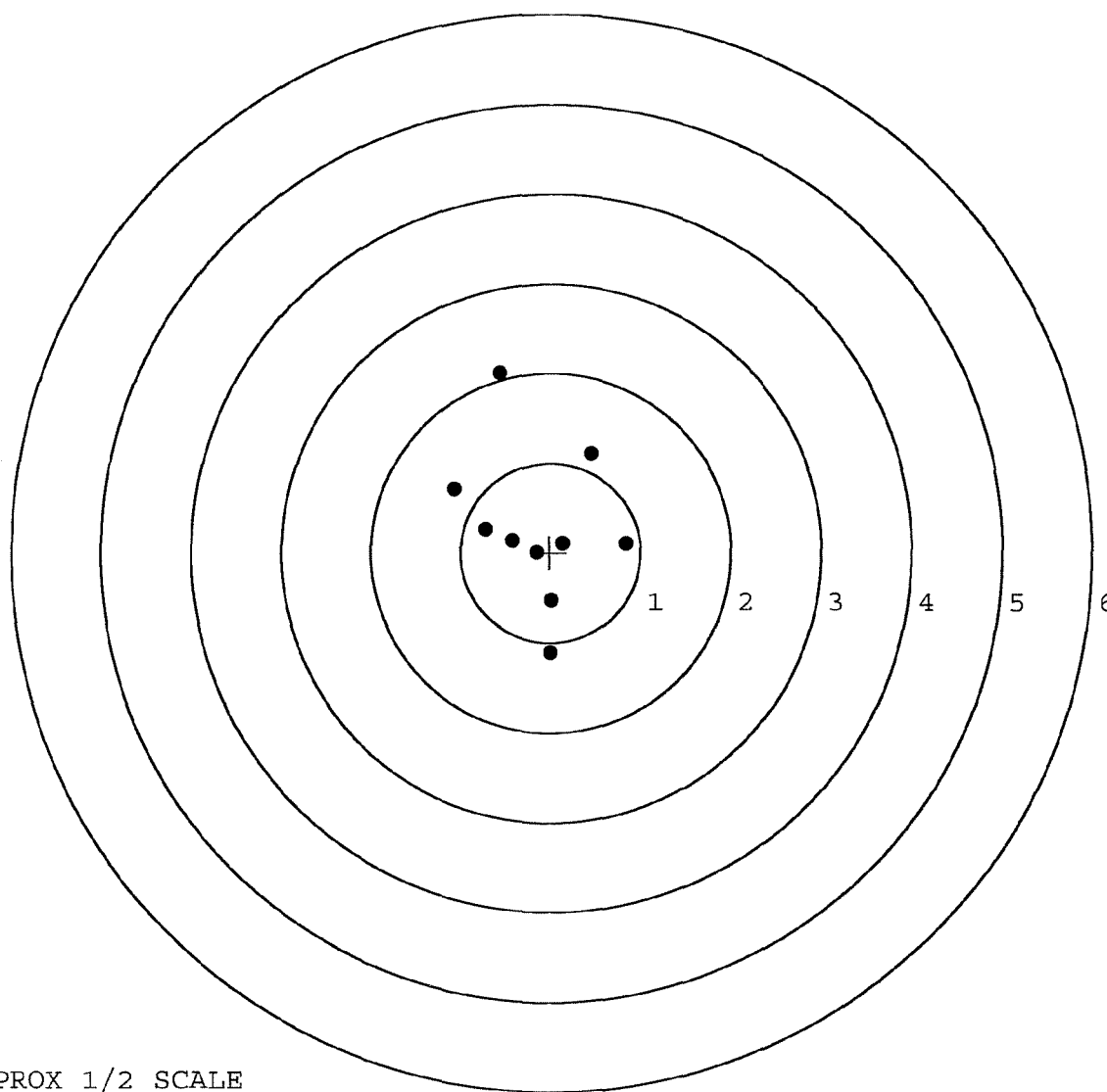
FILE DATE AND TIME: 09/05/2002 09:02

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.121
The Average Y Centroid of the Five Target Set:	0.017
The Average Point of Impact of the Five Target Set:	0.122
The Average Mean Radius of the Five Target Set:	0.890
The Distance from POA to Centroid Target #1:	0.314
The Distance from Centroid Target #2 to Centroid Target #1:	0.089
The Distance from Centroid Target #3 to Centroid Target #1:	0.521
The Distance from Centroid Target #4 to Centroid Target #1:	0.325
The Distance from Centroid Target #5 to Centroid Target #1:	0.374

BARBER - M24 0120257

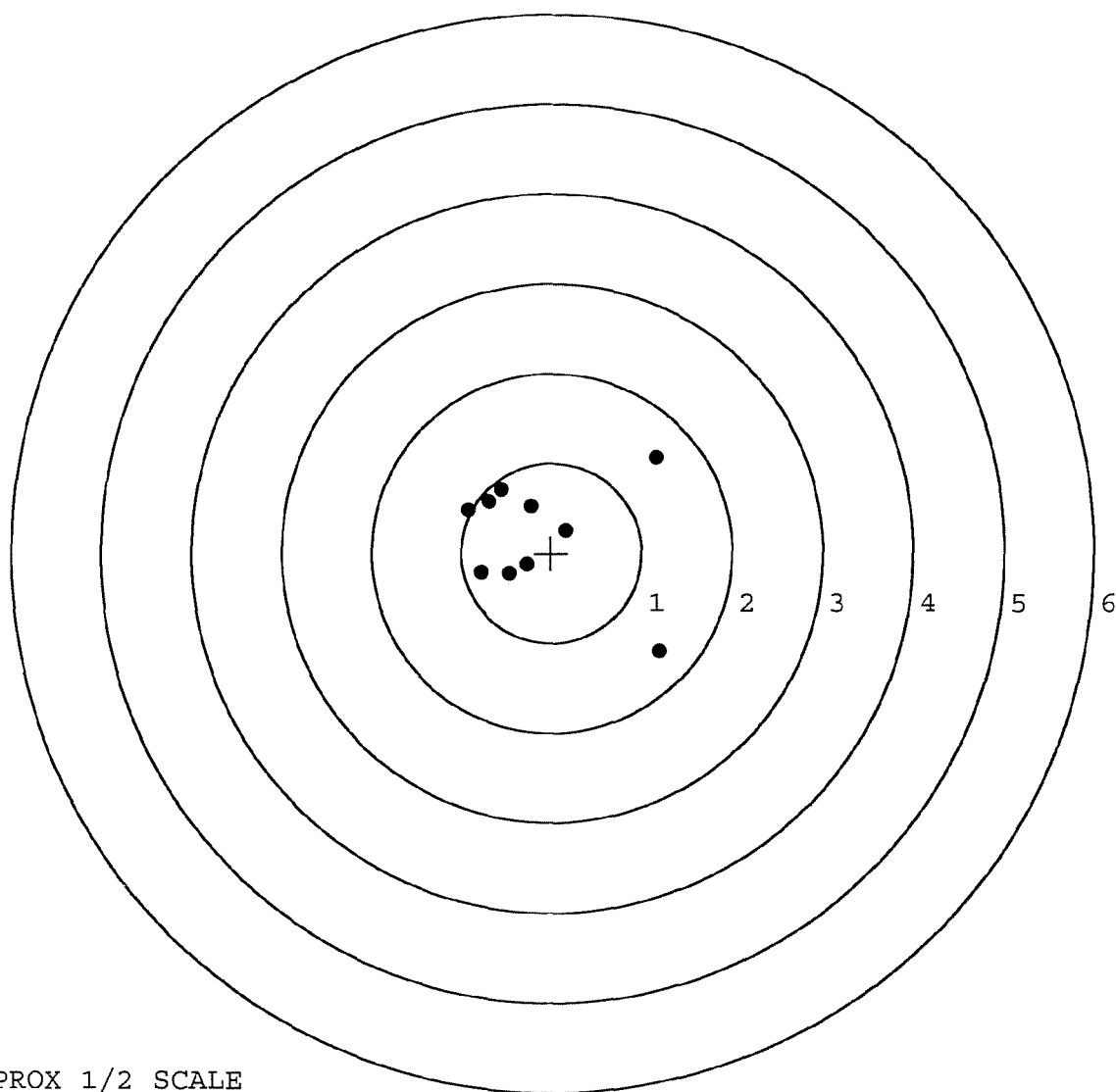
SERIAL NUMBER: E6413503. 0	POINT#	X	Y
TARGET NUMBER: 1	1:	0.010	-1.115
FILE DATE: 09/05/2002	2:	0.014	-0.538
FILE TIME: 09:02	3:	0.835	0.106
	4:	0.453	1.105
X CENTROID: -0.149	5:	-0.568	1.999
Y CENTROID: 0.276	6:	-1.073	0.708
POA TO CENTROID: 0.314	7:	-0.723	0.259
HORZ SPREAD: 1.908	8:	-0.426	0.131
VERT SPREAD: 3.114	9:	-0.151	0.002
GROUP SPREAD: 3.167	10:	0.139	0.104
MIN RADIUS: 0.274			
MAX RADIUS: 1.773			
MEAN RADIUS: 0.854			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 6			
# in 3 IN DIAMETER: 9			



TARGET APPROX 1/2 SCALE

BARBER - M24 0120258

SERIAL NUMBER: E6413503. 0	POINT#	X	Y
TARGET NUMBER: 2	1:	1.204	-1.096
FILE DATE: 09/05/2002	2:	1.155	1.062
FILE TIME: 09:02	3:	0.161	0.253
	4:	-0.233	0.518
X CENTROID: -0.139	5:	-0.554	0.704
Y CENTROID: 0.188	6:	-0.694	0.571
POA TO CENTROID: 0.234	7:	-0.921	0.468
HORZ SPREAD: 2.125	8:	-0.777	-0.230
VERT SPREAD: 2.158	9:	-0.462	-0.238
GROUP SPREAD: 2.639	10:	-0.273	-0.135
MIN RADIUS: 0.307			
MAX RADIUS: 1.858			
MEAN RADIUS: 0.788			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 8			



TARGET APPROX 1/2 SCALE

BARBER - M24 0120259

SERIAL NUMBER: E6413503. 0

TARGET NUMBER: 3

FILE DATE: 09/05/2002

FILE TIME: 09:02

POINT#	X	Y
1:	0.255	-1.659
2:	-0.809	-1.527
3:	-0.804	-0.443
4:	-0.714	0.091
5:	-0.279	0.035
6:	0.206	-0.691
7:	0.441	-0.251
8:	0.757	0.050
9:	0.588	0.953
10:	-0.117	1.088

X CENTROID: -0.048

Y CENTROID: -0.235

POA TO CENTROID: 0.240

HORZ SPREAD: 1.566

VERT SPREAD: 2.747

GROUP SPREAD: 2.846

MIN RADIUS: 0.356

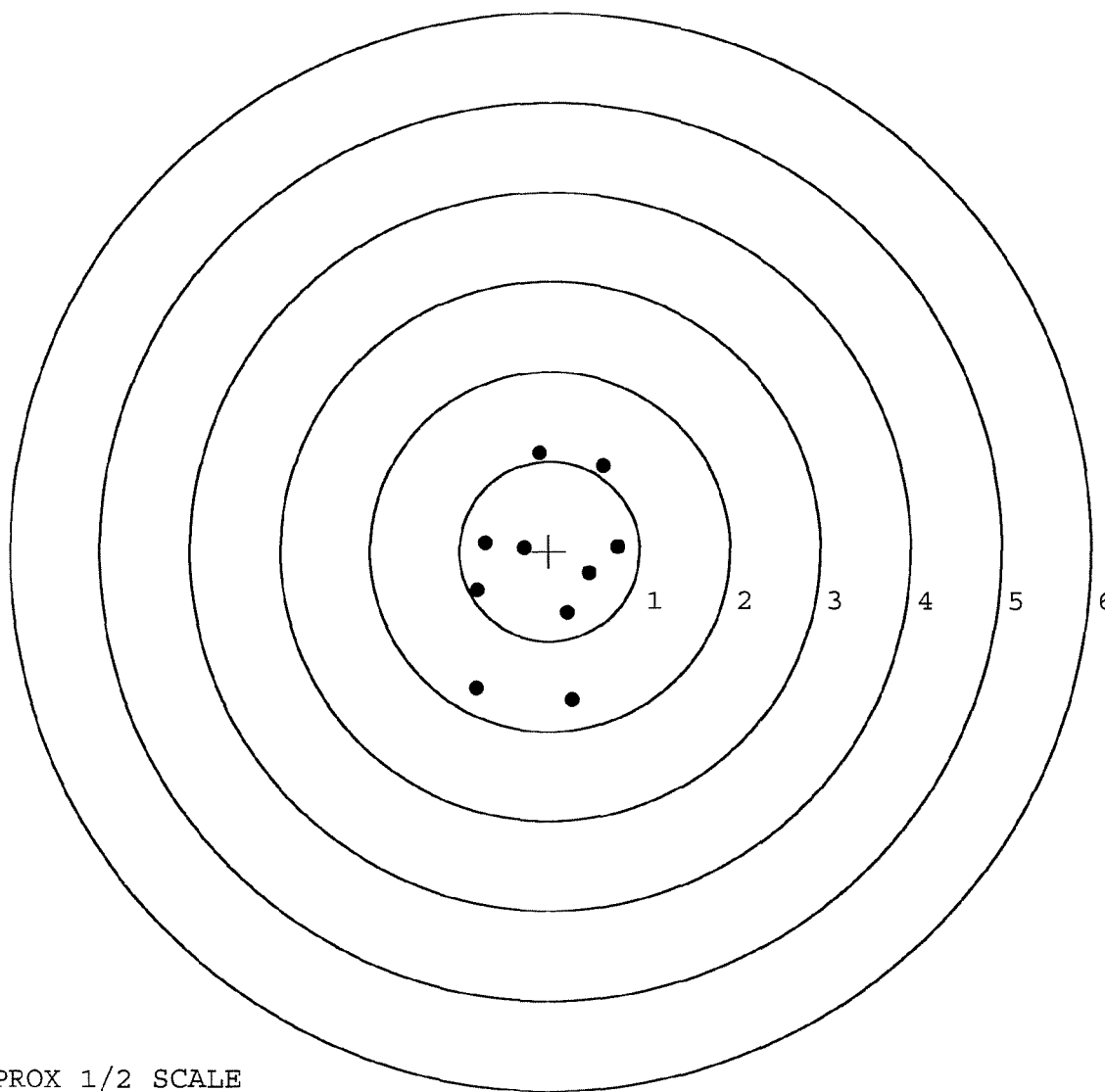
MAX RADIUS: 1.499

MEAN RADIUS: 0.937

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



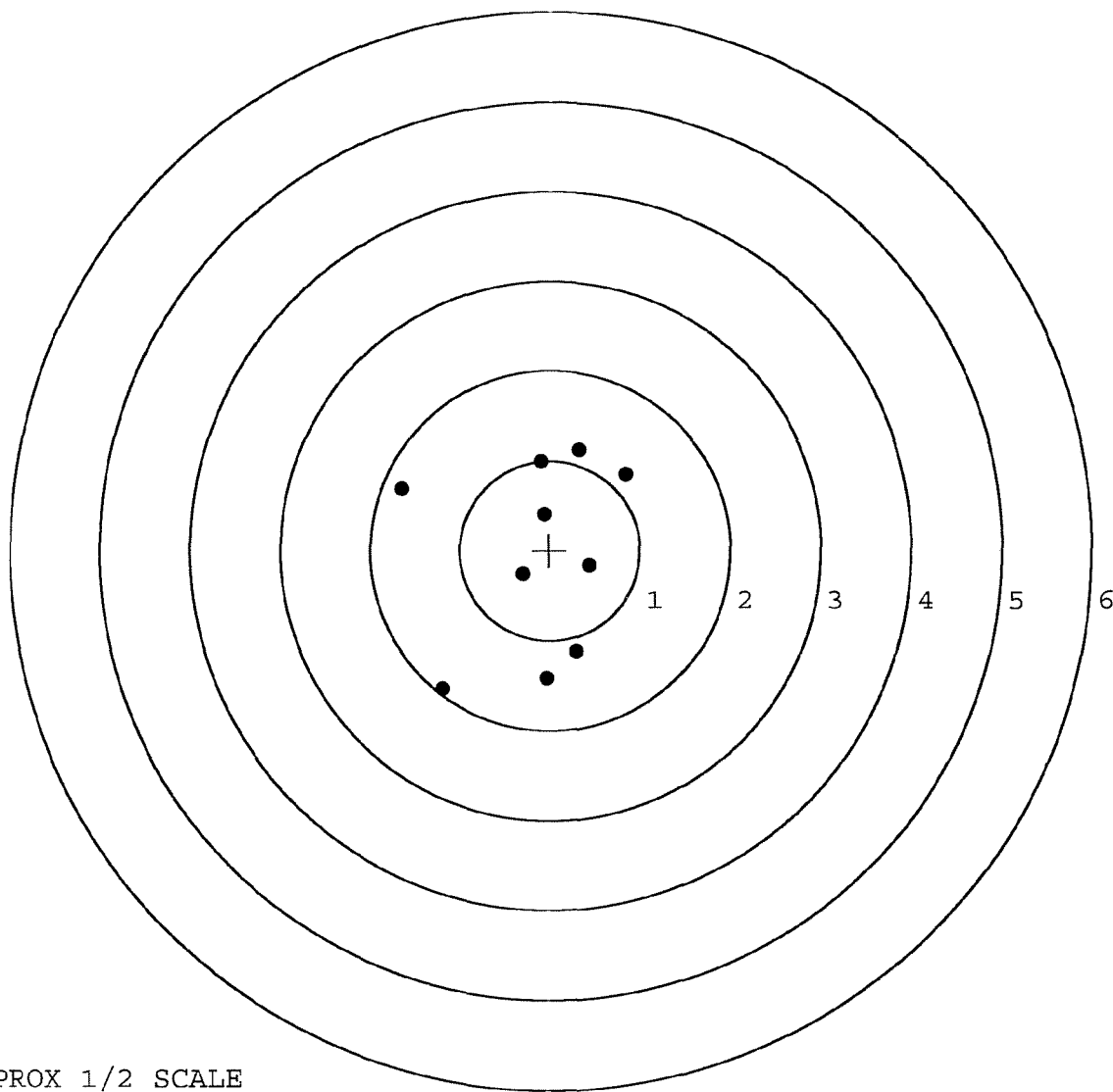
TARGET APPROX 1/2 SCALE

BARBER - M24 0120260

SERIAL NUMBER: E6413503. __0
 TARGET NUMBER: 4
 FILE DATE: 09/05/2002
 FILE TIME: 09:02

POINT#	X	Y
1:	0.294	-1.123
2:	-0.031	-1.431
3:	-1.183	-1.552
4:	-0.299	-0.267
5:	0.442	-0.168
6:	-0.064	0.405
7:	0.845	0.849
8:	0.333	1.122
9:	-0.097	0.992
10:	-1.651	0.686

X CENTROID: -0.141
 Y CENTROID: -0.049
 POA TO CENTROID: 0.149
 HORZ SPREAD: 2.496
 VERT SPREAD: 2.674
 GROUP SPREAD: 3.143
 MIN RADIUS: 0.269
 MAX RADIUS: 1.829
 MEAN RADIUS: 1.102
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 3
 # in 3 IN DIAMETER: 8



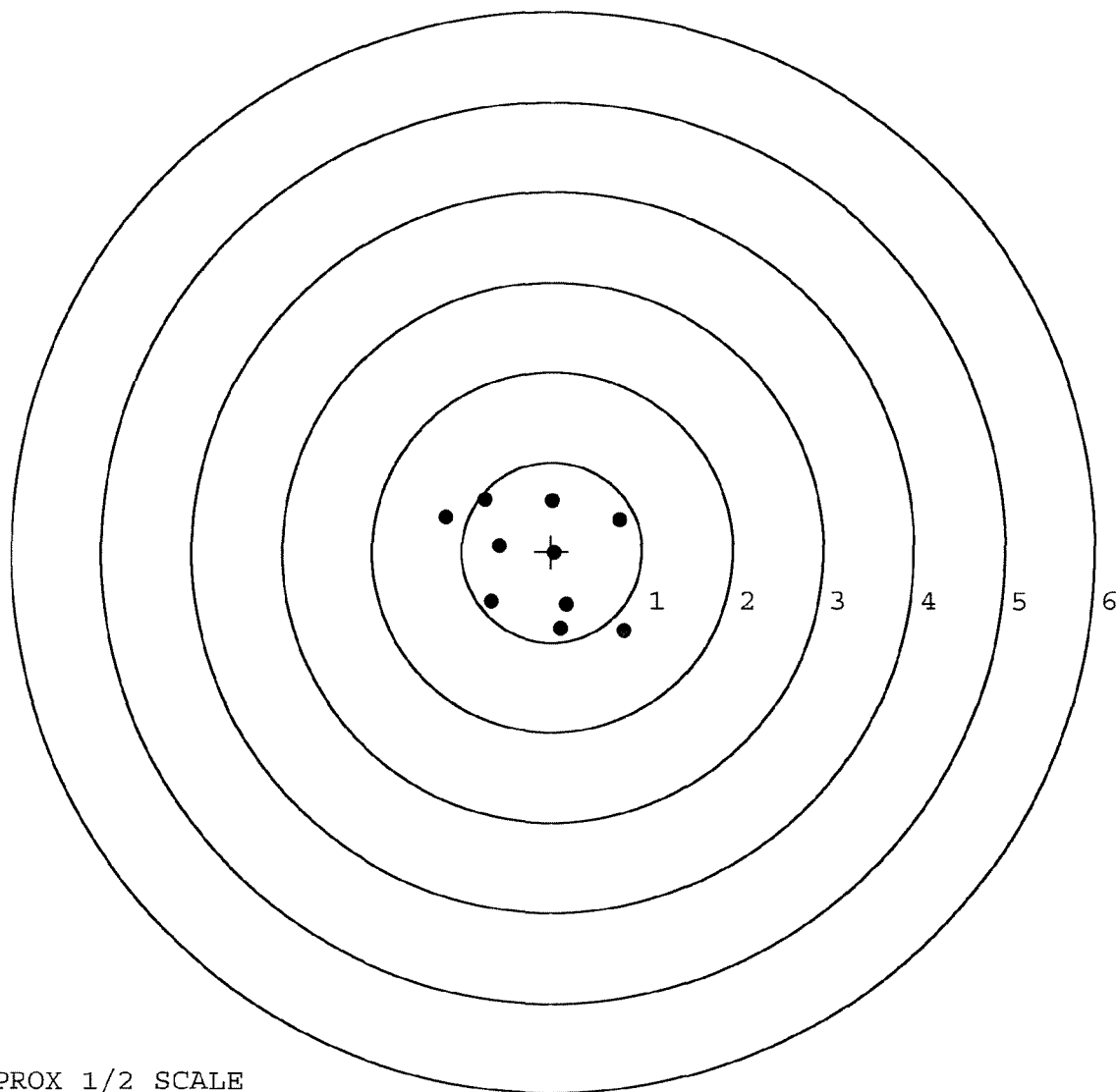
TARGET APPROX 1/2 SCALE

BARBER - M24 0120261

SERIAL NUMBER: E6413503. __0
 TARGET NUMBER: 5
 FILE DATE: 09/05/2002
 FILE TIME: 09:02

POINT#	X	Y
1:	0.806	-0.883
2:	0.173	-0.590
3:	0.105	-0.859
4:	-0.672	-0.562
5:	0.036	-0.016
6:	-0.578	0.059
7:	0.011	0.571
8:	0.747	0.352
9:	-0.742	0.577
10:	-1.174	0.379

X CENTROID: -0.129
 Y CENTROID: -0.097
 POA TO CENTROID: 0.161
 HORZ SPREAD: 1.980
 VERT SPREAD: 1.460
 GROUP SPREAD: 2.348
 MIN RADIUS: 0.184
 MAX RADIUS: 1.221
 MEAN RADIUS: 0.770
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE