

05522152

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

M2400003923

CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER

Smead®

Repair Inquiry

Repair Number: **RE00102785**

Serial: C6522160 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 10/26/2005 8:48:05 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: **PR W7LZ CAMP SHELBY DET 57**

PR W7LZ CAMP SHELBY DET 57

Address 1: **DEF TRAINING BDE ROTATION**

DEF TRAINING BDE ROTATION

Address 2: **BLDG 6520 WAREHOUSE AVE**

PO Box:

BLDG 6520 WAREHOUSE AVE

PO Box:

City: **CAMP SHELBY**

CAMP SHELBY

State: **MS**

Zip Code: **39407**

Country: **US**

State: **MS**

Zip Code: **39407**

Country: **US**

FFL:

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: **601-558-4593**

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1
C000	COPE CASE	1

Repair Search

Refresh

Close

magletj

10/26/2005

9:50 AM

CAPS

NUM

INS

SCPL

start

2

2

3

Arms S...

Serial Number: **C6522160**

Model: **M24 SWS**



RE00102785

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

R & E NUMBER	102785		
SERIAL NUMBER	CAMP SHELBY C 6522160		
LOG-IN DATE	10-26-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIALS
550	DIS-ASSEMBLE GUN	11-02-05	AC
560 A	RE-BARREL	11-07-05	AC
B	DRILL AND TAP	11-11-05	BR
575	ASSEMBLE	11-14-05	CD
600	PROOF	11-14-05	CD
605	CHECK HEADSPACE	11-14-05	CD
610	DIS-ASSEMBLE GUN	11-14-05	CD
612	MAGNAFLUX INSPECTED	11-15-05	CD
615	ROLLMARK CALIBER	11-15-05	CW
618	ROTO-BLAST	11-16-05	LB
620	APPLY COATINGS	11-16-05	HP
625 A	FINAL ASSEMBLY	11-18-05	BR
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	11-21-05	AC
D	SAFETY "OFF" FORCE	11-21-05	AC
E	FIRING PIN INDENT	11-21-05	AC
640	TARGET	11-19-05	MTM
655	FINAL INSPECT	11-21-05	AC
660	PACK	12-1-05	QA
		SHIP DATE	
QAR INSPECTION DATE			

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522160.___0
FILE DATE AND TIME: 11/19/2005 17:04

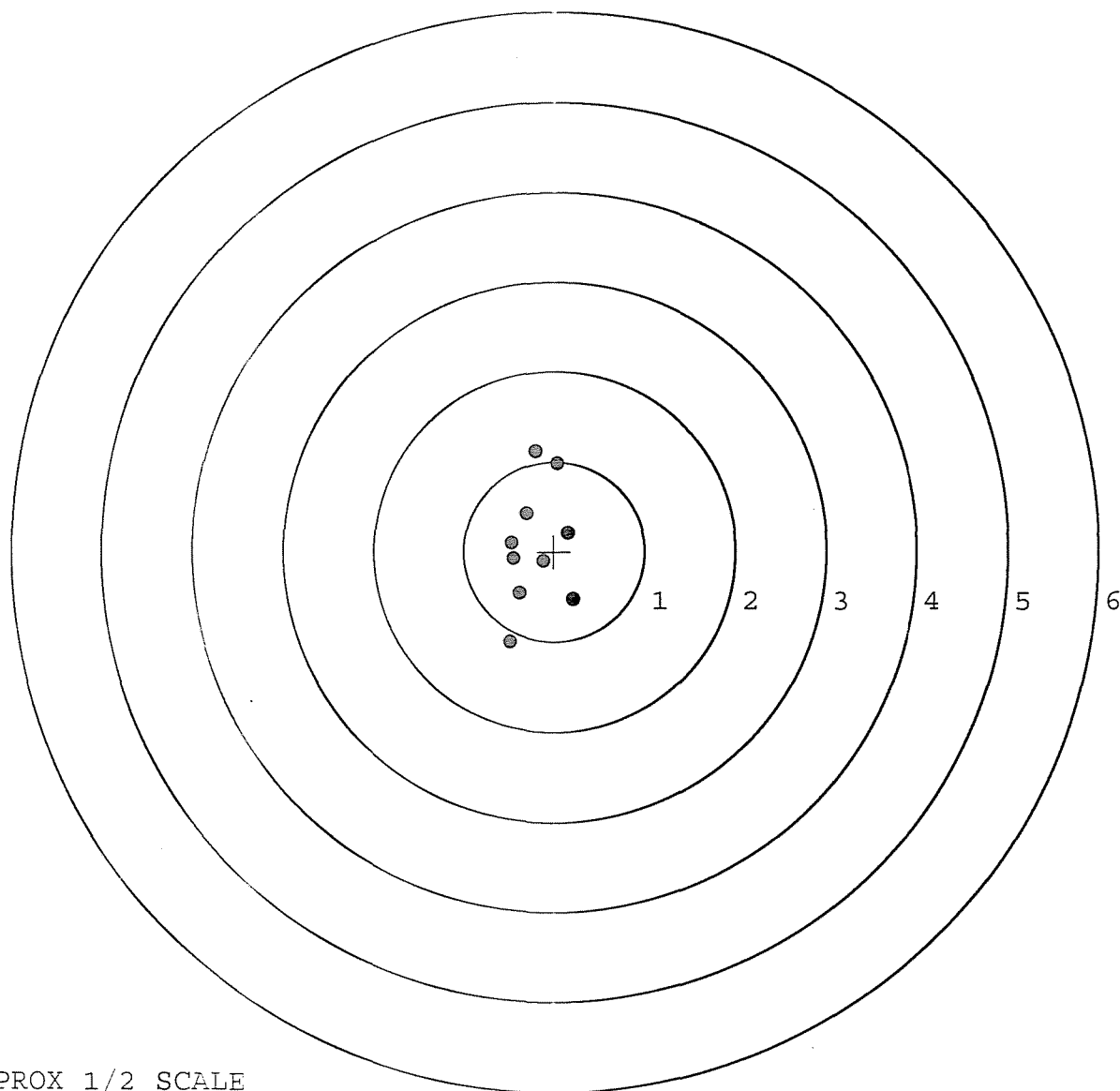
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.076
The Average Y Centroid of the Five Target Set:	0.099
The Average Point of Impact of the Five Target Set:	0.125
The Average Mean Radius of the Five Target Set:	0.756
The Distance from POA to Centroid Target #1:	0.212
The Distance from Centroid Target #2 to Centroid Target #1:	0.256
The Distance from Centroid Target #3 to Centroid Target #1:	0.254
The Distance from Centroid Target #4 to Centroid Target #1:	0.359
The Distance from Centroid Target #5 to Centroid Target #1:	0.133

SERIAL NUMBER: C6522160. 0
TARGET NUMBER: 1
FILE DATE: 11/19/2005
FILE TIME: 17:04

X CENTROID: -0.203
Y CENTROID: 0.062
POA TO CENTROID: 0.212
HORZ SPREAD: 0.695
VERT SPREAD: 2.127
GROUP SPREAD: 2.145
MIN RADIUS: 0.193
MAX RADIUS: 1.111
MEAN RADIUS: 0.592
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.207	1.115
2:	0.035	0.984
3:	0.154	0.207
4:	0.208	-0.538
5:	-0.487	-1.012
6:	-0.384	-0.471
7:	-0.452	-0.083
8:	-0.121	-0.113
9:	-0.467	0.098
10:	-0.307	0.429

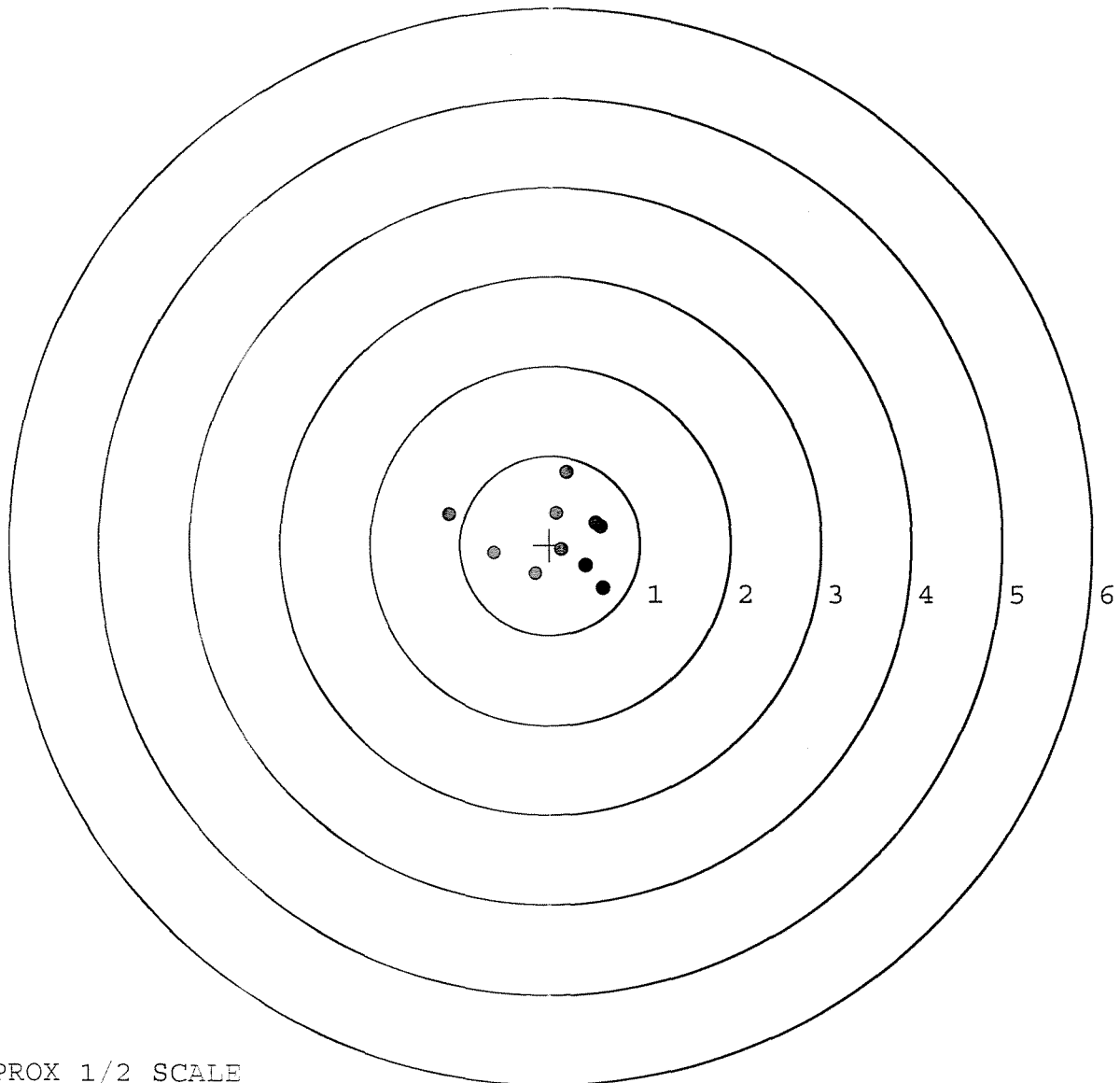


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522160. 0
TARGET NUMBER: 2
FILE DATE: 11/19/2005
FILE TIME: 17:04

X CENTROID: 0.052
Y CENTROID: 0.079
POA TO CENTROID: 0.095
HORZ SPREAD: 1.718
VERT SPREAD: 1.302
GROUP SPREAD: 1.907
MIN RADIUS: 0.154
MAX RADIUS: 1.207
MEAN RADIUS: 0.579
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.130	-0.054
2:	0.395	-0.233
3:	0.592	-0.484
4:	-0.162	-0.324
5:	-0.624	-0.090
6:	0.072	0.358
7:	0.555	0.208
8:	0.506	0.250
9:	0.184	0.818
10:	-1.126	0.343

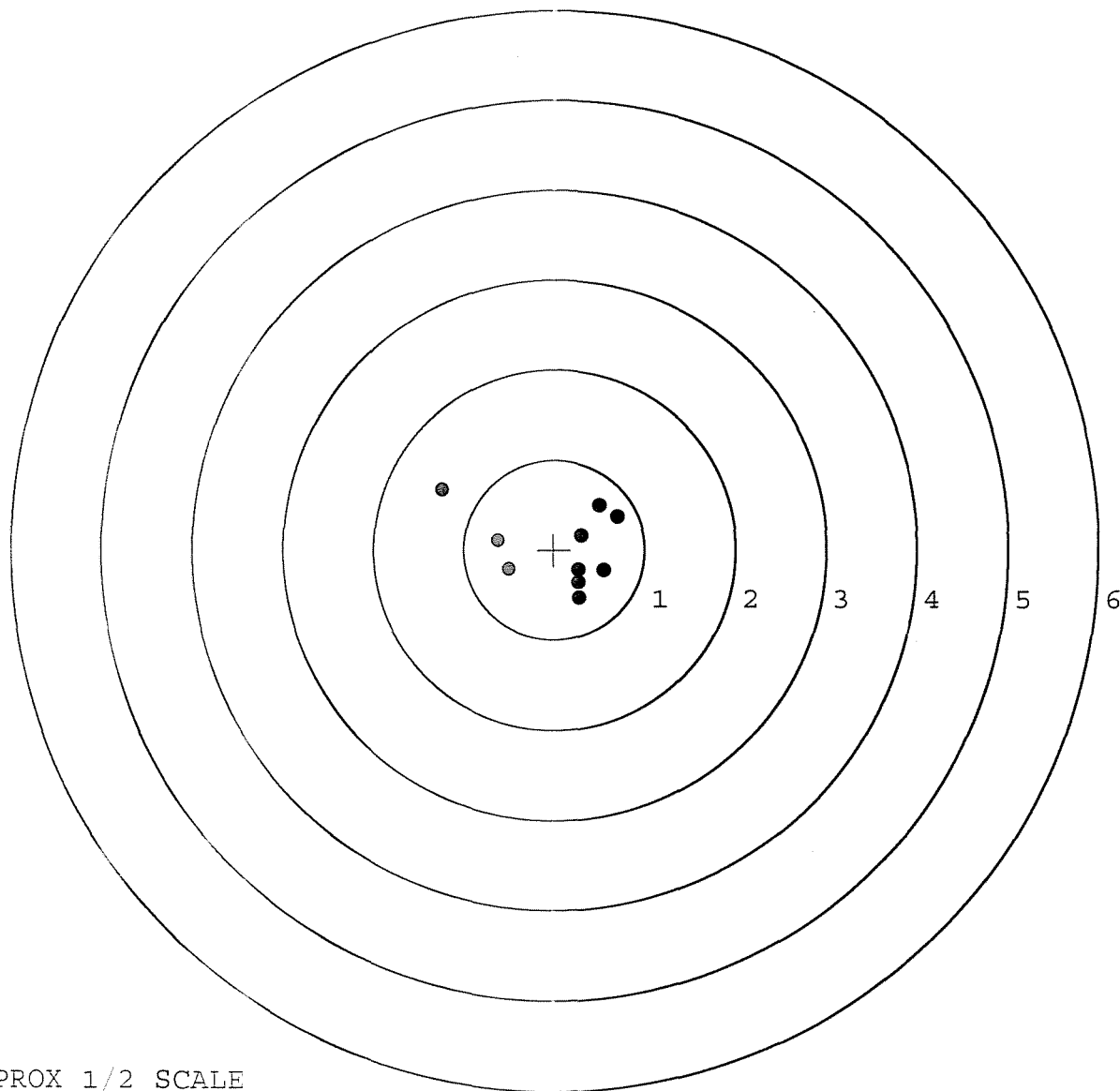


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522160. 0
 TARGET NUMBER: 3
 FILE DATE: 11/19/2005
 FILE TIME: 17:04

X CENTROID: 0.049
 Y CENTROID: 0.023
 POA TO CENTROID: 0.054
 HORZ SPREAD: 1.937
 VERT SPREAD: 1.206
 GROUP SPREAD: 2.003
 MIN RADIUS: 0.288
 MAX RADIUS: 1.442
 MEAN RADIUS: 0.634
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.696	0.370
2:	0.495	0.495
3:	0.301	0.163
4:	0.268	-0.223
5:	0.273	-0.365
6:	0.277	-0.537
7:	0.548	-0.232
8:	-0.505	-0.214
9:	-0.626	0.109
10:	-1.241	0.669

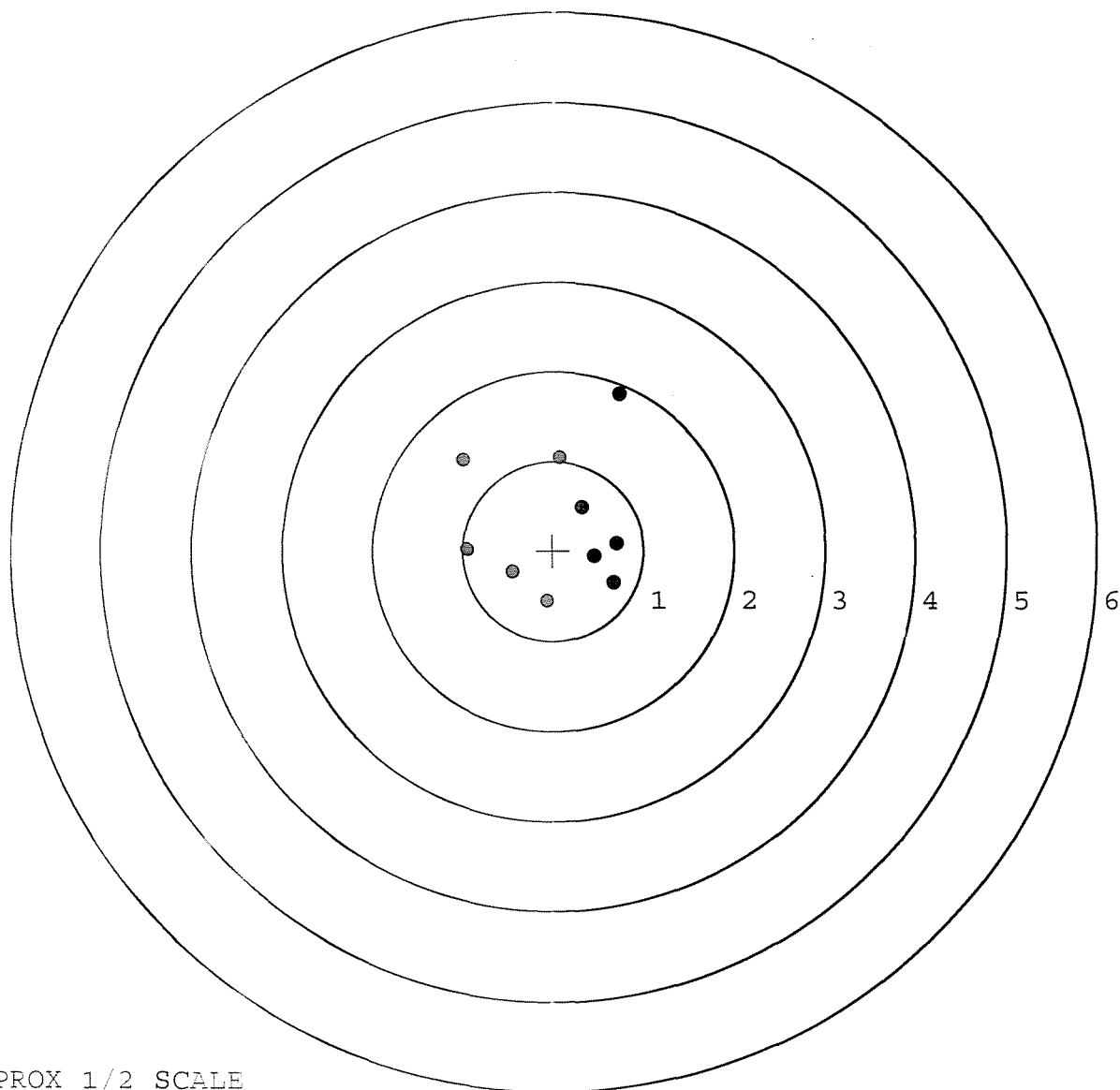


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522160. 0
 TARGET NUMBER: 4
 FILE DATE: 11/19/2005
 FILE TIME: 17:04

X CENTROID: 0.049
 Y CENTROID: 0.317
 POA TO CENTROID: 0.321
 HORZ SPREAD: 1.730
 VERT SPREAD: 2.313
 GROUP SPREAD: 2.447
 MIN RADIUS: 0.320
 MAX RADIUS: 1.587
 MEAN RADIUS: 0.874
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.701	0.085
2:	0.459	-0.066
3:	0.669	-0.357
4:	-0.067	-0.563
5:	-0.453	-0.235
6:	-0.947	0.014
7:	0.320	0.489
8:	0.079	1.041
9:	0.732	1.750
10:	-0.998	1.016

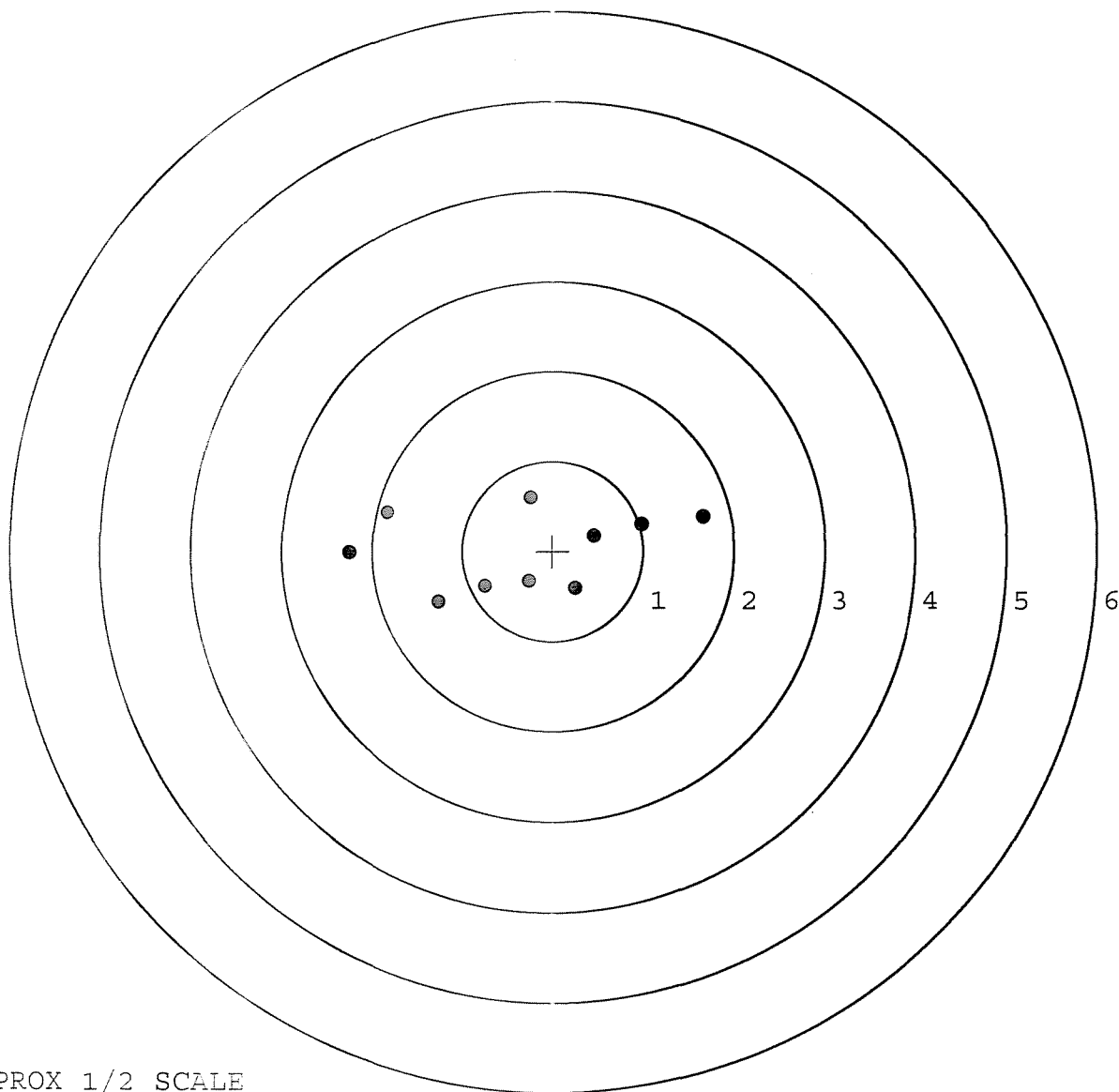


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522160. __0
TARGET NUMBER: 5
FILE DATE: 11/19/2005
FILE TIME: 17:04

X CENTROID: -0.328
Y CENTROID: 0.015
POA TO CENTROID: 0.328
HORZ SPREAD: 3.898
VERT SPREAD: 1.163
GROUP SPREAD: 3.918
MIN RADIUS: 0.360
MAX RADIUS: 2.009
MEAN RADIUS: 1.100
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	-0.261	-0.339
2:	0.252	-0.417
3:	-0.750	-0.391
4:	-1.265	-0.566
5:	0.459	0.169
6:	0.983	0.299
7:	1.648	0.380
8:	-0.252	0.597
9:	-1.840	0.436
10:	-2.250	-0.020



TARGET APPROX 1/2 SCALE



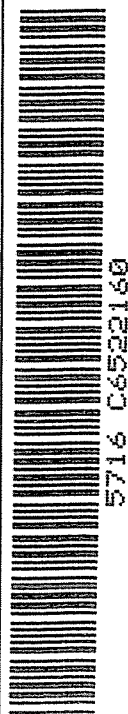

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700TM M24

SERIAL NO.
C6522160

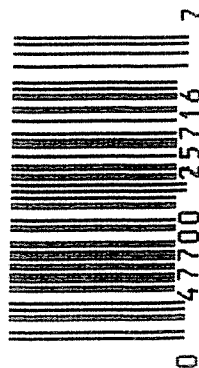
ORDER NO.
5716

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6522160

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522160

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action		8/22/90	KCD
	Magnaflux Bolt		8/22/90	KCD
615	Rollmark Caliber		8/22/90	CS
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		8-22-90	TS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/1/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	5	4 1/2			9/11/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			9/11/90	WB
	H) Trigger Pull Test & Retainability						9/11/90	WB
	I) Firing Pin Indent	.0225	.023	.023			9/11/90	WB
	J) Assemble Stock						9/12/90	RW
	K) Assemble Swivel Studs						9/15/90	YB
	L) Attach Front and Rear Sight Assemblies						9/12/90	RW
	M) Iron Sight Alignment						9/12/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/12/90	RW
	O) Attach Scope to Rifle						9/12/90	RW
	P) Detach & Attach Scope 20 Times						9/12/90	RW
640	Gallery Target & Test						9/13/90	KT
	A) Time						9/13/90	KT
	B) Malfunctions						9/13/90	KT
	C) Pierced Primers						9/13/90	KT
	D) Optical Clarity of Scope						9/13/90	KT
645	Inspect for Live Ammo						9/13/90	KT
655	Final Inspection						9/15/90	YB
	A) Headspace						9-15-90	YB
	B) Trigger Pull	2.49	2.57	2.56	2.54	2.56	9-15-90	YB
	C) Function						9/15/90	YB
660	Pack						9/19/90	NF

SWS TRIGGER PULL TEST

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

SERIAL NO. C 6522160
DATE 9/11/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48 ³	2.32 ²	2.31 ²	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.29	2.26	2.57	
PULL #3	2.21	2.26	2.37	2.56	
PULL #4	2.44	2.20	2.39	2.59	
PULL #5	2.39	2.29	2.34	2.56	
TOTAL	12.00	11.36	11.67	12.77	
AVG.	2.40	2.27	2.33	2.554	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.08		
PULL #2	3.11	3.14		
PULL #3	3.12	3.09		
PULL #4	3.05	3.06		
PULL #5	3.10	3.02		
TOTAL	15.50	15.39		
AVG.	3.10	3.08		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.06		4.18
PULL #2	4.06	4.00		4.11
PULL #3	4.08	4.00		4.00
PULL #4	4.00	4.00		4.07
PULL #5	4.00	4.07		4.00
TOTAL	20.39	20.13		20.36
AVG.	4.08	4.02		4.07

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522160
13 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.155206
1 TO	2	.0867295
1 TO	3	.259656
1 TO	4	.103368
1 TO	5	.232011

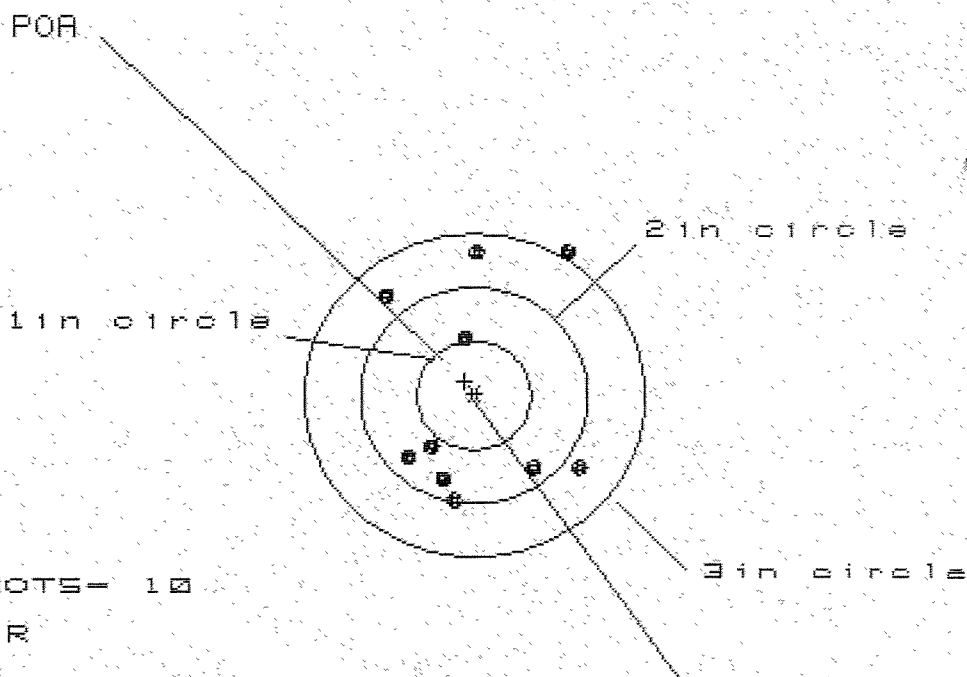
57 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0868
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0616
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .106437
THE AMR FOR THIS RIFLE IS: .9444

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522160

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 0

2in = 6

3in = 9

HS= 1.652

VS= 2.320

GS= 2.500

CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.908	.997	1.005
MINIMUM X	:	-.744	-.655	-.647
MAXIMUM Y	:	1.369	1.440	1.229
MINIMUM Y	:	-.951	-.799	-.619
CENTROID X	:	.080	-.009	-.017
CENTROID Y	:	-.133	-.285	-.465
POA TO CENTROID in.	:	.155	.285	.465
MIN RADIUS	:	.565	.391	.269
MEAN RADIUS	:	.975	.867	.743
MAX RADIUS	:	1.582	1.441	1.389
HORIZONTAL SPREAD	:	1.652	1.652	1.652
VERTICAL SPREAD	:	2.320	2.239	1.848
EXTREME SPREAD	:	2.500	2.301	2.301
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

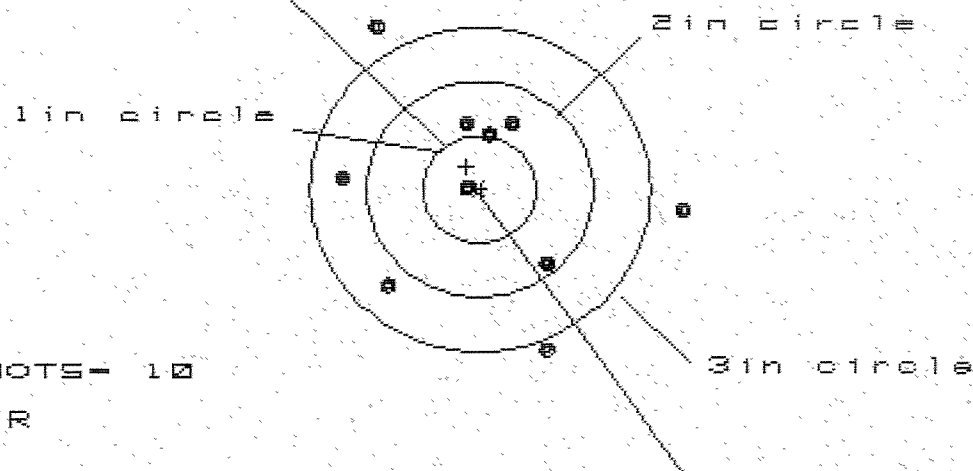
13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522160

CENTERFIRE PATTERNS

2

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 3.028

VS= 2.991

GS= 3.342

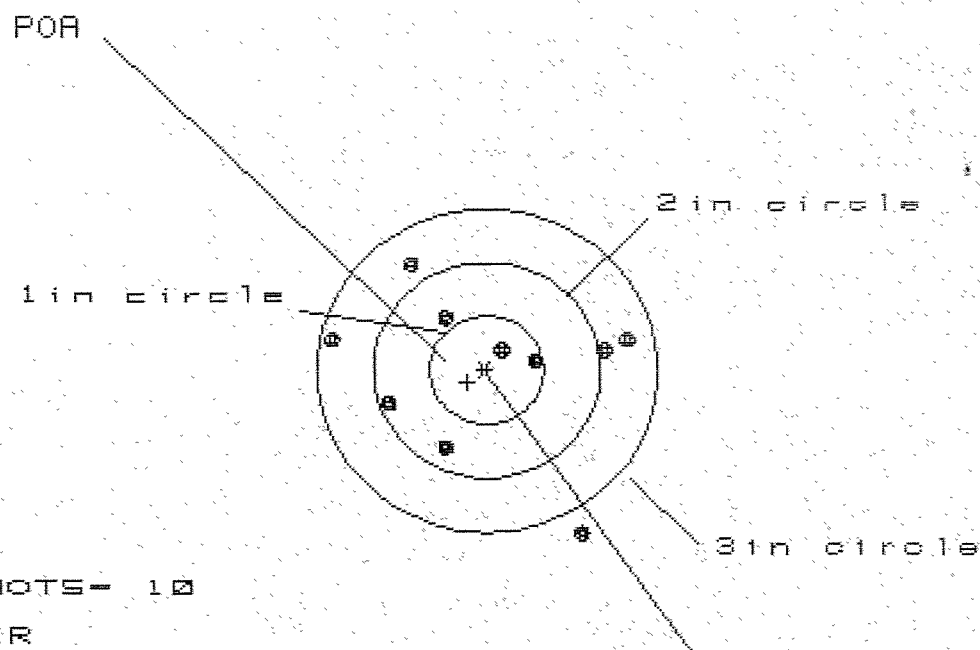
CENTROID #

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.777	.776	.685
MINIMUM X	:	-1.251	-1.053	-1.144
MAXIMUM Y	:	1.475	1.457	.734
MINIMUM Y	:	-1.516	-1.534	-1.351
CENTROID X	:	.111	-.087	.004
CENTROID Y	:	-.214	-.196	-.379
POA TO CENTROID in.	:	.241	.215	.379
MIN RADIUS	:	.128	.071	.183
MEAN RADIUS	:	1.037	.940	.877
MAX RADIUS	:	1.784	1.716	1.513
HORIZONTAL SPREAD	:	3.028	1.829	1.829
VERTICAL SPREAD	:	2.991	2.991	2.085
EXTREME SPREAD	:	3.342	3.342	2.443
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	5		
NUMBER IN THREE INCH CIRCLE =	:	7		

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C65221B0

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.553

VS= 2.482

CS= 2.927

CENTROID #

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.217	1.311	1.156
MINIMUM X	-1.336	-1.242	-.896
MAXIMUM Y	.939	.768	.787
MINIMUM Y	-1.543	-.844	-.825
CENTROID X	.166	.072	.227
CENTROID Y	.112	.283	.264
POA TO CENTROID in.	.200	.292	.348
MIN RADIUS	.238	.215	.079
MEAN RADIUS	.944	.831	.754
MAX RADIUS	1.761	1.313	1.160
HORIZONTAL SPREAD	2.553	2.553	2.052
VERTICAL SPREAD	2.482	1.612	1.612
EXTREME SPREAD	2.927	2.554	2.124
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522160

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 5

2in = 10

3in = 10

HS= 1.414

VS= 1.569

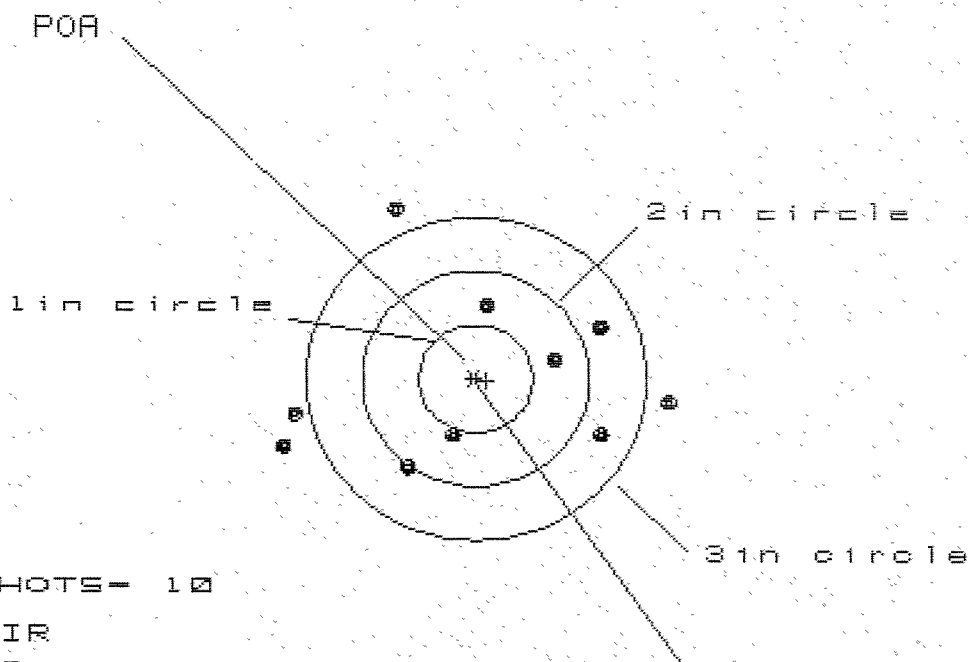
GS= 1.606

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.591	.564	.458
MINIMUM X	-.823	-.850	-.564
MAXIMUM Y	.875	.535	.511
MINIMUM Y	-.694	-.597	-.621
CENTROID X	.174	.201	.307
CENTROID Y	-.090	-.187	-.163
POA TO CENTROID in.	.196	.275	.348
MIN RADIUS	.093	.193	.160
MEAN RADIUS	.539	.493	.431
MAX RADIUS	.908	.871	.653
HORIZONTAL SPREAD	1.414	1.414	1.022
VERTICAL SPREAD	1.569	1.132	1.132
EXTREME SPREAD	1.606	1.570	1.193
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	10		
NUMBER IN THREE INCH CIRCLE =	10		

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C85221B0

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 6

HS= 3.392

VS= 2.434

GS= 3.415

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.707	1.520	1.415
MINIMUM X	-1.685	-1.807	-1.912
MAXIMUM Y	1.593	1.527	.813
MINIMUM Y	-.841	-.907	-.716
CENTROID X	-.097	.090	.195
CENTROID Y	.017	.083	-.108
POA TO CENTROID in.	.099	.122	.223
MIN RADIUS	.522	.561	.550
MEAN RADIUS	1.227	1.138	1.042
MAX RADIUS	1.784	1.851	1.924
HORIZONTAL SPREAD	3.392	3.327	3.327
VERTICAL SPREAD	2.434	2.434	1.529
EXTREME SPREAD	3.415	3.330	3.330
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	