

C6349122

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smith
®

Repair Inquiry

Repair Number: RE00092981

Serial: C6349122 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/13/1990

Repairman:

Status:

Closed 2/11/2005 7:30:43 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 362014199

Country: US

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

maglev

2/14/2005

9:11 AM

CAPS

NUM

JMS

SCPL

start

5

2

3

Arms Service

Serial Number:

C6349122

Model: M24 SWS



RE00092981



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349122.___0
FILE DATE AND TIME: 03/24/2005 08:59

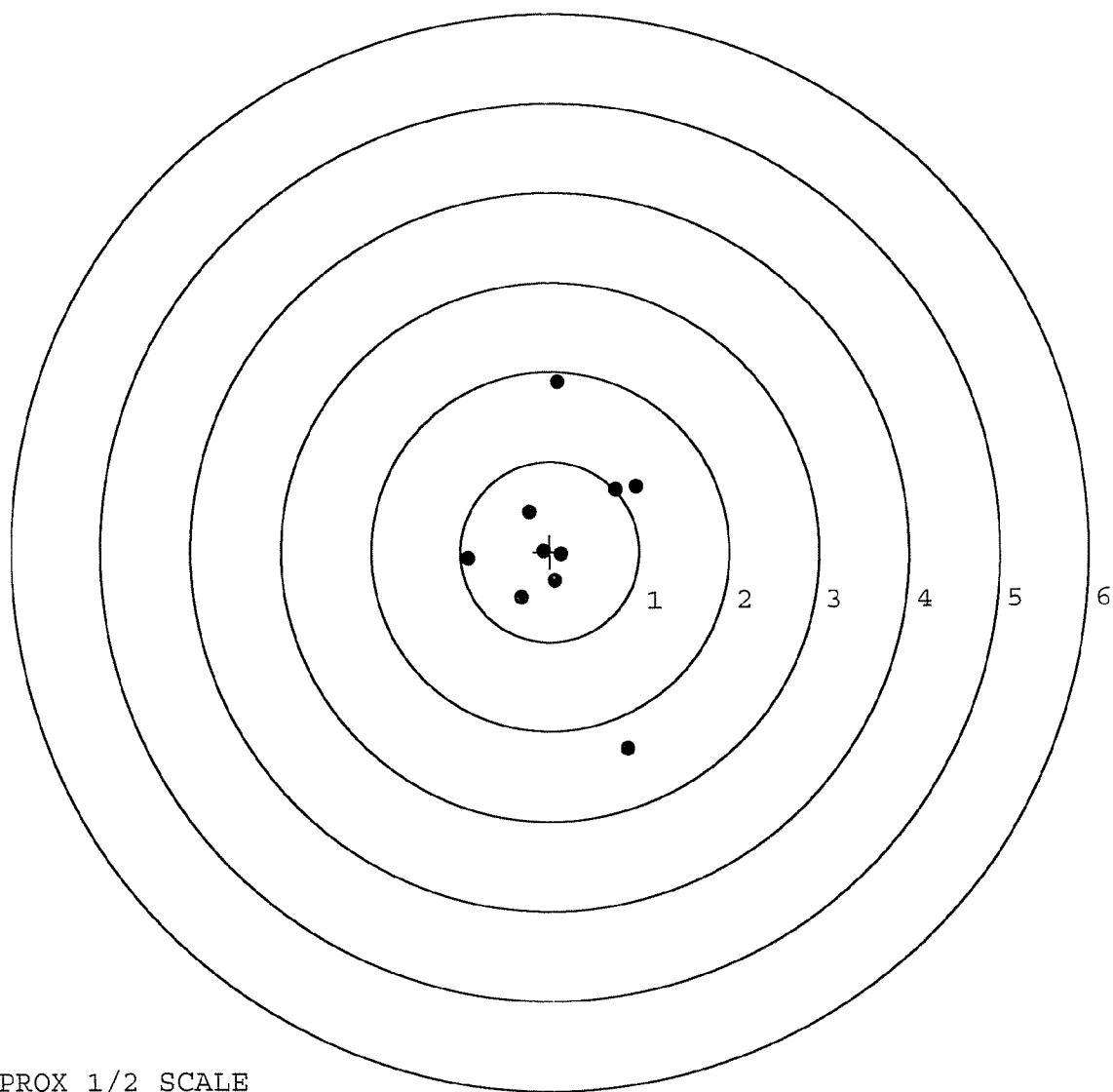
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.049
The Average Y Centroid of the Five Target Set:	-0.021
The Average Point of Impact of the Five Target Set:	0.054
The Average Mean Radius of the Five Target Set:	0.905
The Distance from POA to Centroid Target #1:	0.143
The Distance from Centroid Target #2 to Centroid Target #1:	0.272
The Distance from Centroid Target #3 to Centroid Target #1:	0.317
The Distance from Centroid Target #4 to Centroid Target #1:	0.135
The Distance from Centroid Target #5 to Centroid Target #1:	0.303

SERIAL NUMBER: C6349122. __0
 TARGET NUMBER: 1
 FILE DATE: 03/24/2005
 FILE TIME: 08:59

POINT#	X	Y
1:	0.855	-2.208
2:	0.969	0.716
3:	0.740	0.682
4:	0.100	1.886
5:	-0.233	0.446
6:	-0.919	-0.069
7:	-0.325	-0.507
8:	0.054	-0.324
9:	0.133	-0.030
10:	-0.079	0.008

X CENTROID: 0.130
 Y CENTROID: 0.060
 POA TO CENTROID: 0.143
 HORZ SPREAD: 1.888
 VERT SPREAD: 4.094
 GROUP SPREAD: 4.163
 MIN RADIUS: 0.090
 MAX RADIUS: 2.381
 MEAN RADIUS: 0.915
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8

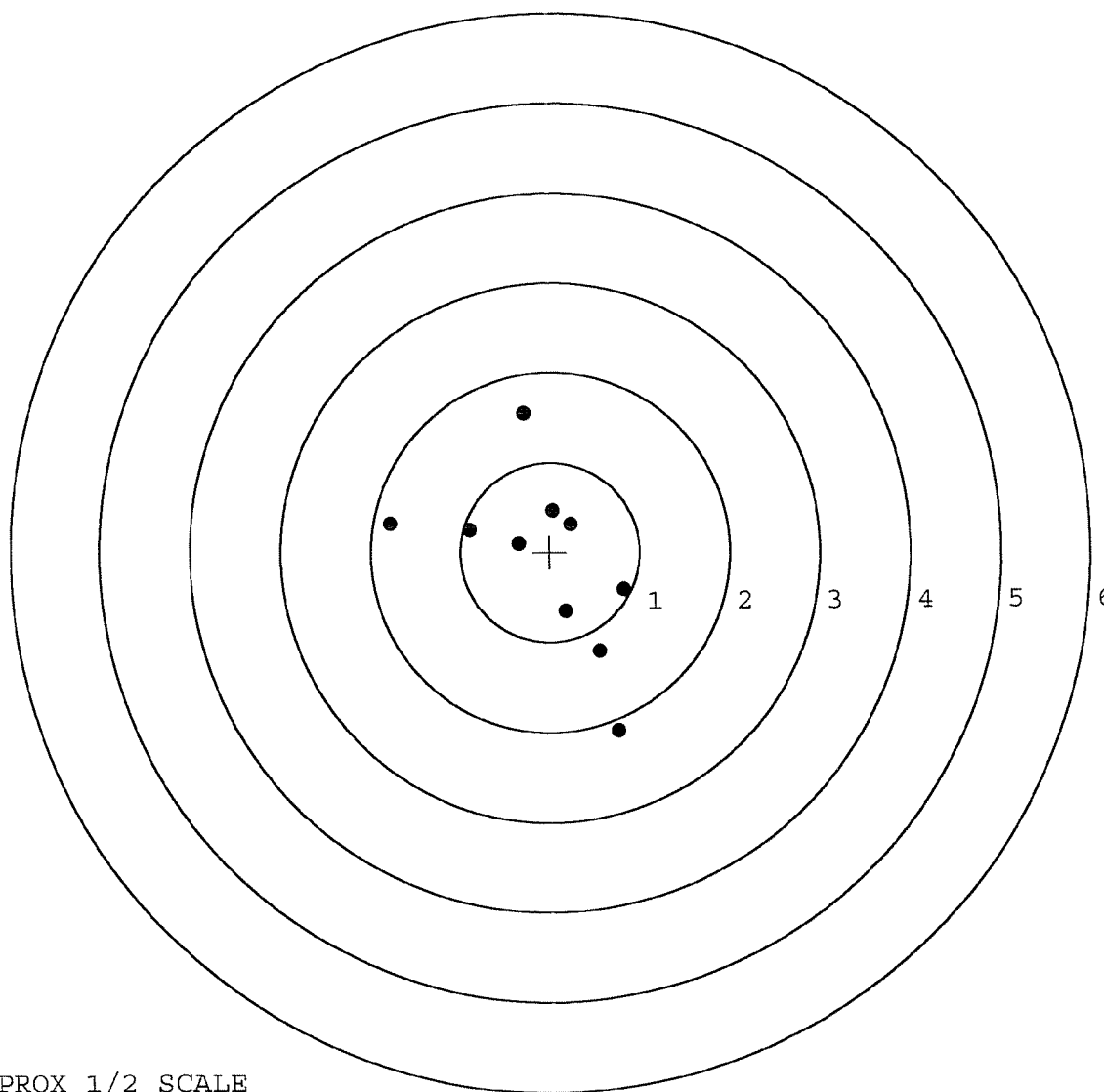


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349122. 0
 TARGET NUMBER: 2
 FILE DATE: 03/24/2005
 FILE TIME: 08:59

POINT#	X	Y
1:	0.756	-2.000
2:	0.551	-1.113
3:	0.823	-0.428
4:	0.175	-0.665
5:	0.234	0.308
6:	0.035	0.463
7:	-0.349	0.099
8:	-0.895	0.256
9:	-1.783	0.327
10:	-0.290	1.545

X CENTROID: -0.074
 Y CENTROID: -0.121
 POA TO CENTROID: 0.142
 HORZ SPREAD: 2.606
 VERT SPREAD: 3.545
 GROUP SPREAD: 3.696
 MIN RADIUS: 0.352
 MAX RADIUS: 2.054
 MEAN RADIUS: 1.060
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349122. __ 0

TARGET NUMBER: 3

FILE DATE: 03/24/2005

FILE TIME: 08:59

POINT#	X	Y
1:	0.634	0.160
2:	1.068	0.647
3:	0.168	0.727
4:	-0.924	0.048
5:	-2.041	0.763
6:	-0.389	0.357
7:	-0.303	0.227
8:	-0.066	0.132
9:	-0.161	-1.269
10:	0.137	-1.179

X CENTROID: -0.188

Y CENTROID: 0.061

POA TO CENTROID: 0.197

HORZ SPREAD: 3.109

VERT SPREAD: 2.032

GROUP SPREAD: 3.111

MIN RADIUS: 0.141

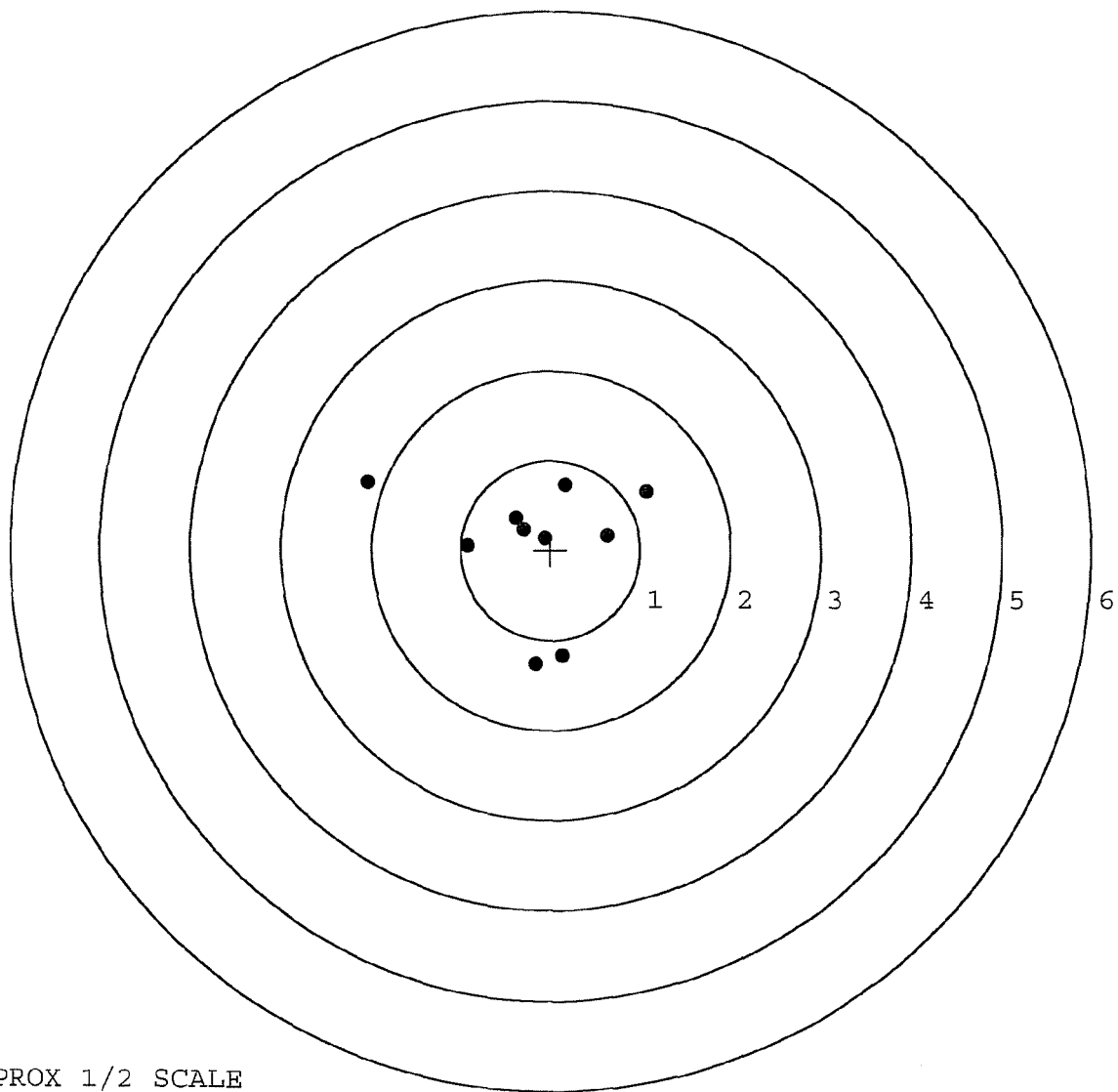
MAX RADIUS: 1.982

MEAN RADIUS: 0.900

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349122. __0

TARGET NUMBER: 4

FILE DATE: 03/24/2005

FILE TIME: 08:59

X CENTROID: 0.012

Y CENTROID: -0.006

POA TO CENTROID: 0.014

HORZ SPREAD: 1.940

VERT SPREAD: 3.329

GROUP SPREAD: 3.423

MIN RADIUS: 0.375

MAX RADIUS: 1.844

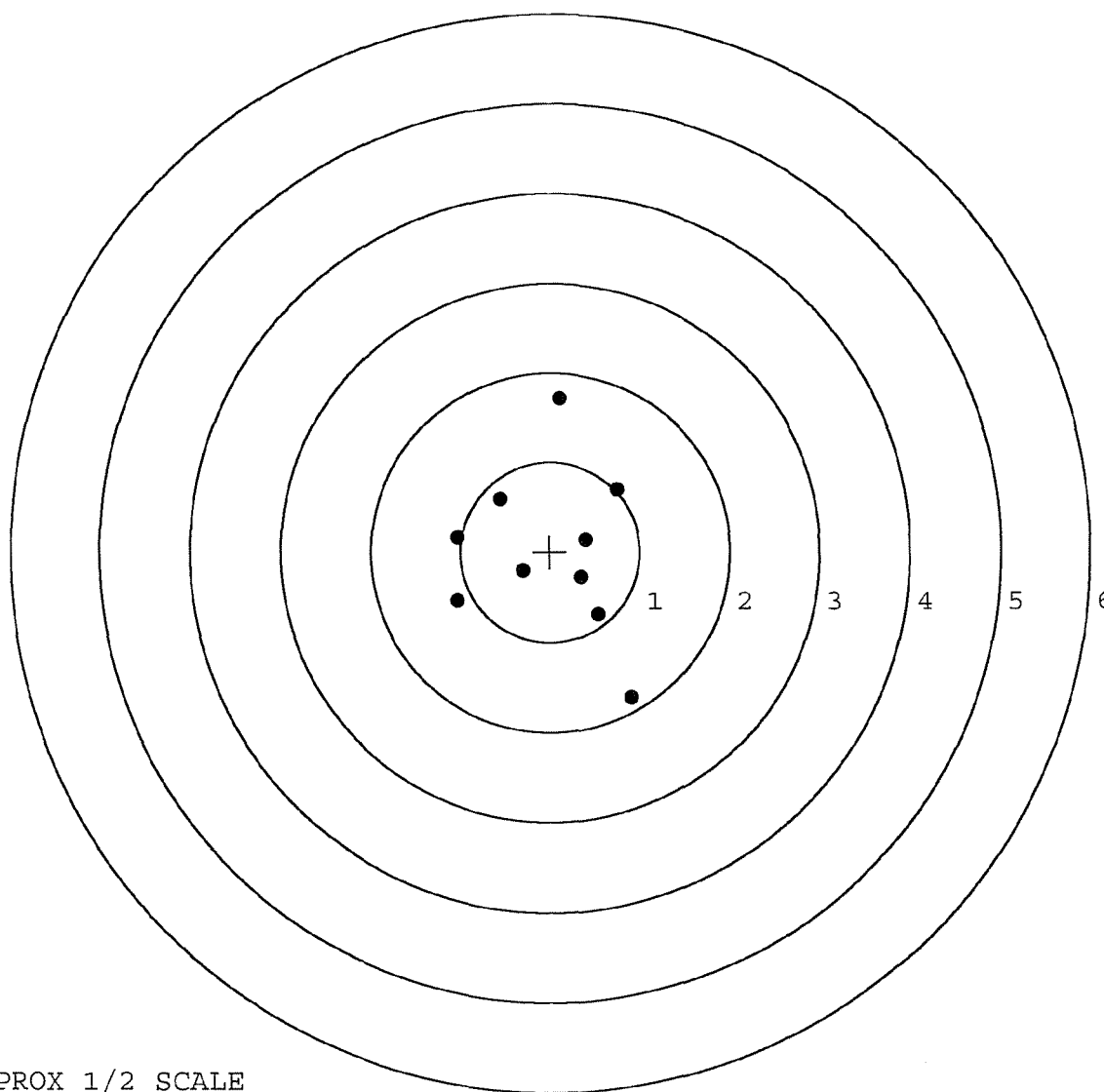
MEAN RADIUS: 0.973

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.904	-1.620
2:	0.538	-0.697
3:	0.351	-0.285
4:	0.402	0.137
5:	0.750	0.689
6:	-0.303	-0.210
7:	-1.032	0.162
8:	-1.036	-0.540
9:	-0.559	0.591
10:	0.108	1.709



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349122. 0

TARGET NUMBER: 5

FILE DATE: 03/24/2005

FILE TIME: 08:59

X CENTROID: -0.127

Y CENTROID: -0.100

POA TO CENTROID: 0.162

HORZ SPREAD: 1.593

VERT SPREAD: 2.249

GROUP SPREAD: 2.379

MIN RADIUS: 0.284

MAX RADIUS: 1.616

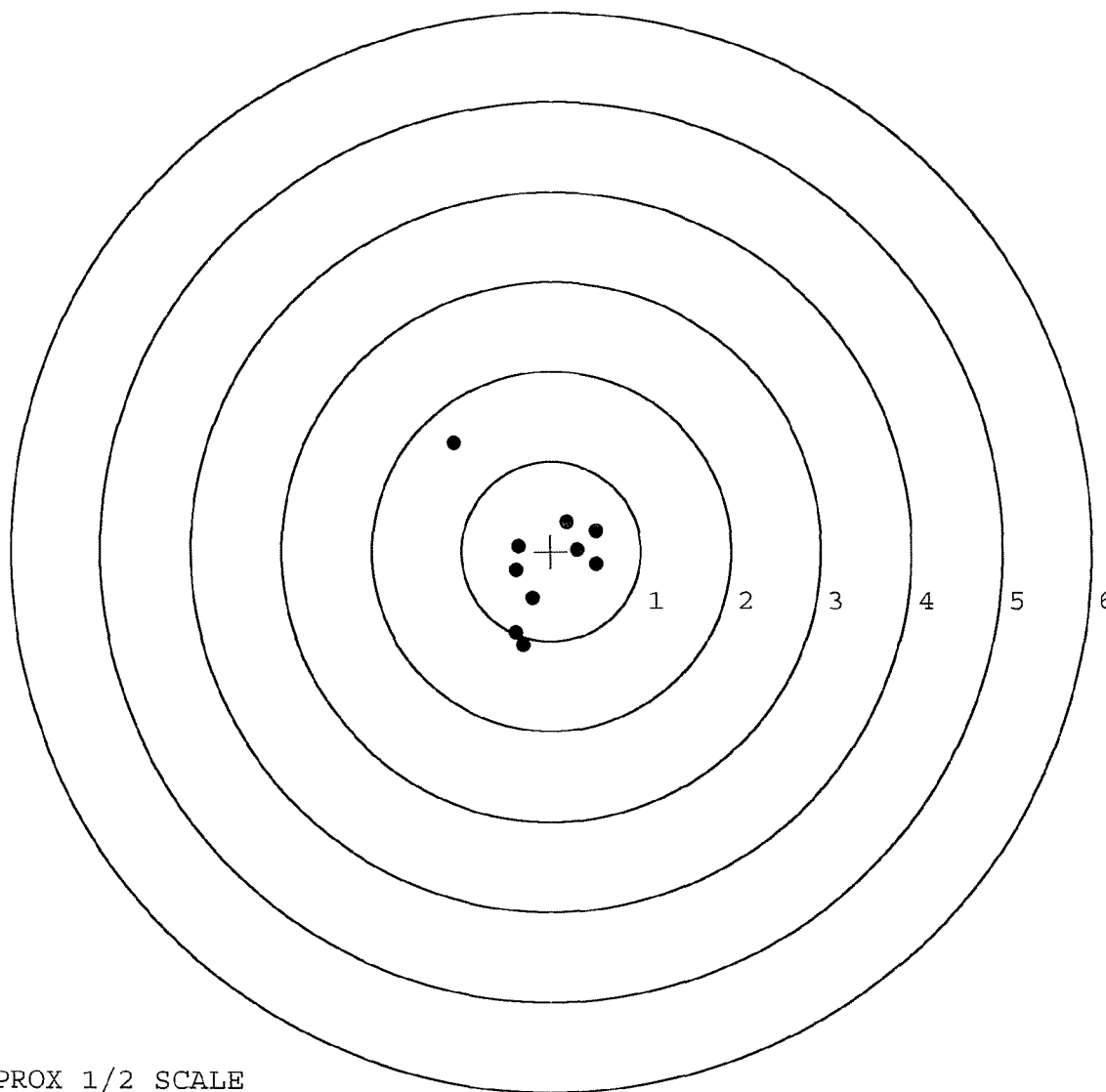
MEAN RADIUS: 0.674

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.509	-0.146
2:	0.295	0.016
3:	-0.307	-1.047
4:	-0.396	-0.910
5:	-0.208	-0.526
6:	-0.390	-0.207
7:	-0.365	0.059
8:	-1.084	1.202
9:	0.174	0.323
10:	0.502	0.231



TARGET APPROX 1/2 SCALE

R & E NUMBER	92981		
SERIAL NUMBER	C6349122		
LOG-IN DATE	2-11-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-18-05	RTZ
560 A	RE-BARREL	2-22-05	RTZ
B	DRILL AND TAP	2-28-05	TRW
575	ASSEMBLE	2-23-05	RTZ
600	PROOF	2-24-05	AC
605	CHECK HEADSPACE	2-24-05	AC
610	DIS-ASSEMBLE GUN	2-24-05	RTZ
612	MAGNAFLUX	OPERATOR	AC
615	ROLLMARK CALIBER	3-1-05	CW
618	ROTO-BLAST	3-3-05	LB
620	APPLY COATINGS	3/16/05	HP
625 A	FINAL ASSEMBLY	3-23-05	RTZ
B	TRIGGER PULL TEST		
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	3-24-05	AC
655	FINAL INSPECT	3-31-05	AC
660	PACK	4-4-05	PA
		SHIP DATE	
QAR INSPECTION DATE			



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

MODEL 700TM H24

SERIAL NO.
C6349122

ORDER NO.
5716

01

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



5716 C6349122

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349122

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	90	RW
600	Proof	4 12	90	A
607	Check Headspace	4 12	90	A
610	Dis-assemble Gun	4-12	90	RW
612	Magnaflux Barrel Action	4-19-90		KCR
	Magnaflux Bolt	4-19-90		KCR
615	Rollmark Caliber	4-19-90		AA
617	Drill and Tap Sight Holes		4/23/90	LB
618	Polish Barrel RB		4/24/90	WB
620	Apply Coatings (Barrel Action)		4-30-90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/1/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/90	RW
	C) Inspect Ejector Hole for Chamfer		5/1/90	RW
	D) Oil Firing Pin Ass'y		5/1/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/9/90	RL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/9/90	RL
	G) Safety Off Force	3	3	3			5/9/90	RL
	H) Trigger Pull Test & Retainability						5/9/90	RL
	I) Firing Pin Indent	.0215	.0215	.0215			5/9/90	RL
	J) Assemble Stock						5/14/90	RL
	K) Assemble Swivel Studs						6-8-90	RL
	L) Attach Front and Rear Sight Assemblies						5/14/90	RL
	M) Iron Sight Alignment						5/14/90	RL
	N) Detach Front & Rear Sights & place in numbered container						5/14/90	RL
	O) Attach Scope to Rifle						5/14/90	RL
	P) Detach & Attach Scope 20 Times						5/14/90	RL
640	Gallery Target & Test						5-14-90	DH
	A) Time						5-14-90	DH
	B) Malfunctions						5-14-90	DH
	C) Pierced Primers						5-14-90	DH
	D) Optical Clarity of Scope						5-14-90	DH
645	Inspect for Live Ammo						5-14-90	?
655	Final Inspection						6-8-90	RL
	A) Headspace							
	B) Trigger Pull	2.37	2.44	2.48	2.50	2.52	5/15/90	RL
	C) Function						6-6-90	RL
660	Pack						6-19-90	DH

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	Ream Ejector Hole Polish Ejector	5/23 190 Paw
TEST		
TGT		
PROOF	shot OK 100 m/s DH	5-29 90
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

MOD. _____		GA. _____	GUN _____
# _____		CAL. _____	# _____
C6349122		ASSEM. _____	
TEST #	DATE	MALFUNCTION/DEFECT	#
	1st	shove brass	#
	5/14/90		
	2nd		
	3rd		
	4th		

FUNCTION
RD 6654
Rev 1

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

SERIAL NO. C6349122DATE 5/9/90TESTER gfl

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.22	2.42	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.40	2.40	2.44	
PULL #3	2.36	2.46	2.35	2.48	
PULL #4	2.31	2.28	2.25	2.50	
PULL #5	2.34	2.39	2.30	2.52	
TOTAL	11.77	11.75	11.72		
AVG.	2.354	2.35	2.344		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.46	3.42		
PULL #2	3.55	3.42		
PULL #3	3.51	3.52		
PULL #4	3.39	3.41		
PULL #5	3.44	3.38		
TOTAL	17.35	17.15		
AVG.	3.47	3.43		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.40		4.51
PULL #2	4.32	4.46		4.34
PULL #3	4.31	4.53		4.36
PULL #4	4.28	4.44		4.28
PULL #5	4.26	4.41		4.37
TOTAL	21.51	22.24		21.86
AVG.	4.302	4.448		4.372

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349122
15 May 1990

CENTROIDAL DISTANCES

0 TO	1	.0614003
1 TO	2	.361332
1 TO	3	.345398
1 TO	4	.410573
1 TO	5	.06772

$\frac{2}{1}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1252
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0754
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .146151

THE AMR FOR THIS RIFLE IS: .9192

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349122

CENTERFIRE PATTERNS

1

POB

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 5

3 in = 8

HE= 2.124

VS= 2.474

GS= 2.857

CENTROID #

PATTERN #

:



SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.295

1.203

.510

MINIMUM X

:

-.829

-.723

-.573

MAXIMUM Y

:

1.295

1.220

1.142

MINIMUM Y

:

-1.179

-1.035

-1.113

CENTROID X

:

-.031

.061

-.089

CENTROID Y

:

-.053

-.197

-.119

POB TO CENTROID in:

:

.061

.206

.149

MIN RADIUS

:

.209

.086

.188

MEAN RADIUS

:

.855

.767

.694

MAX RADIUS

:

1.538

1.352

1.224

HORIZONTAL SPREAD

:

2.124

1.926

1.083

VERTICAL SPREAD

:

2.474

2.255

2.255

EXTREME SPREAD

:

2.957

2.400

2.317

NUMBER IN ONE INCH CIRCLE =

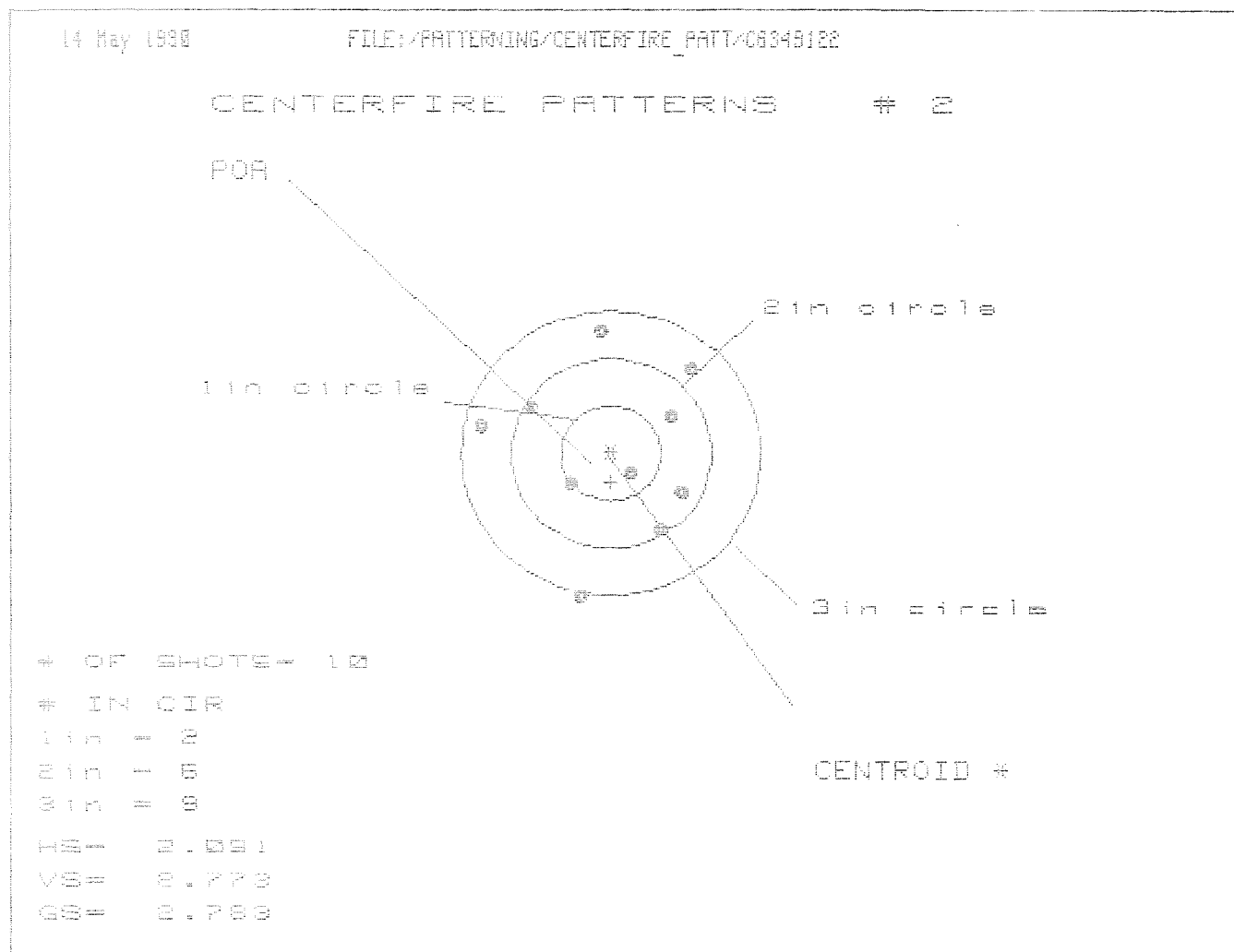
4

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

8

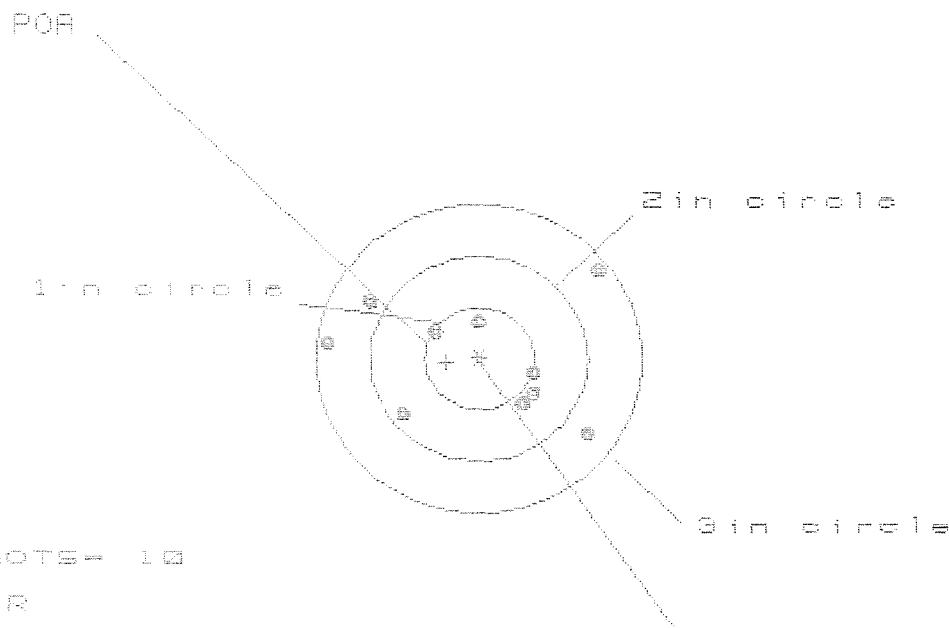


PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.883	.773	.609
MINIMUM X	-1.283	-1.318	-1.991
MAXIMUM Y	1.262	1.095	1.113
MINIMUM Y	-1.511	-.982	-.964
CENTROID X	-.000	.035	.199
CENTROID Y	.387	.474	.456
POA TO CENTROID in.	.387	.476	.498
MIN RADIUS	.383	.425	.369
MEAN RADIUS	.952	.891	.812
MAX RADIUS	1.543	1.326	1.145
HORIZONTAL SPREAD	2.091	2.091	1.600
VERTICAL SPREAD	2.773	2.077	2.077
EXTREME SPREAD	2.783	2.175	2.153
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349122

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.442

VS= 1.534

GS= 2.531

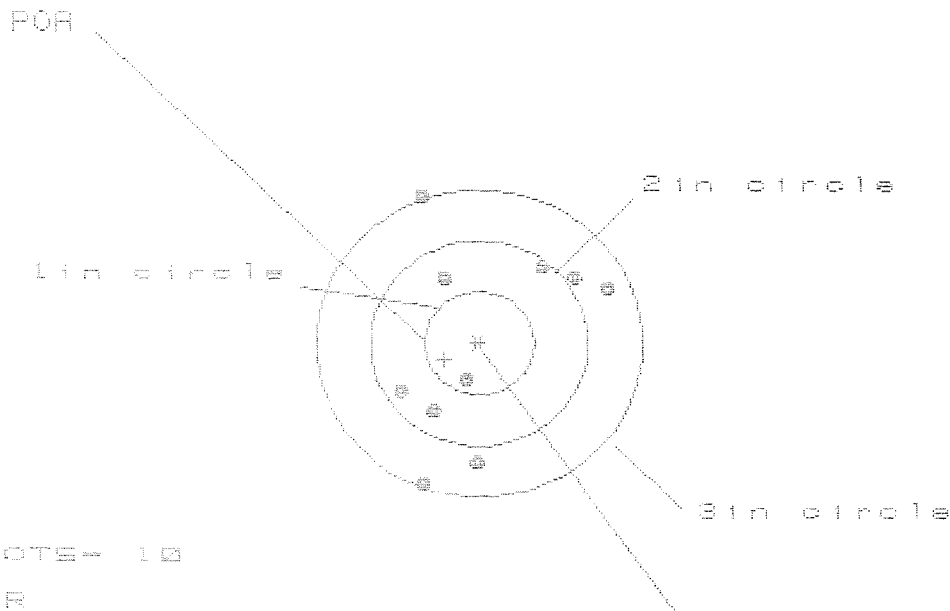
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.084	.933	.915
MINIMUM X	-1.358	-1.174	-1.058
MAXIMUM Y	.817	.834	.663
MINIMUM Y	-.717	-.700	-.596
CENTROID X	.303	.454	.338
CENTROID Y	.035	.018	-.086
POB TO CENTROID in.	.303	.455	.349
MIN RADIUS	.393	.395	.491
MEAN RADIUS	.864	.788	.730
MAX RADIUS	1.367	1.301	1.249
HORIZONTAL SPREAD	2.442	2.107	1.973
VERTICAL SPREAD	1.534	1.534	1.259
EXTREME SPREAD	2.531	2.340	2.340
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

14 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06349122

CENTERFIRE PATTERNS # 4



* OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

MS= 1.852

VS= 2.819

GS= 2.819

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.222	1.159	1.885
MINIMUM X	-1.747	-1.810	-1.884
MAXIMUM Y	1.464	.932	.783
MINIMUM Y	-1.355	-1.192	-1.190
CENTROID X	.320	.383	.457
CENTROID Y	.160	-.003	.146
POA TO CENTROID in.	.358	.383	.480
MIN RADIUS	.370	.250	.415
MEAN RADIUS	1.032	.955	.915
MAX RADIUS	1.568	1.367	1.228
HORIZONTAL SPREAD	1.969	1.969	1.969
VERTICAL SPREAD	2.819	2.124	1.973
EXTREME SPREAD	2.819	2.598	2.196
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349122

CENTERFIRE PATTERNS # 5

FOR

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

CENTROID #

HS= 2.302

VS= 2.288

GS= 2.338

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.181	1.235	.669
MINIMUM X	-1.121	-1.067	-.912
MAXIMUM Y	.895	.748	.776
MINIMUM Y	-1.393	-1.093	-1.057
CENTROID X	.034	-.020	-.174
CENTROID Y	-.072	.083	.047
FOR TO CENTROID in.	.079	.086	.181
MIN RADIUS	.310	.208	.071
MEAN RADIUS	.893	.910	.729
MAX RADIUS	1.475	1.268	1.147
HORIZONTAL SPREAD	2.302	2.302	1.582
VERTICAL SPREAD	2.288	1.833	1.833
EXTREME SPREAD	2.338	2.308	1.834
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	