

C6523475

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Sinewave®

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: RE00133018

Serial: C6523475 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/19/1990

Repairman:

Verify Repair

High Priority

Status:

Closed 8/22/2007 7:14:00 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: XR WOK8 USA ROCK ISL ARSENAL

XR WOK8 USA ROCK ISL ARSENAL

Address 2: BLDG 299 GILLESPIE AVE BECK

PO Box:

BLDG 299 GILLESPIE AVE BECK

PO Box:

City: ROCK ISLAND

ROCK ISLAND

State: IL

Zip Code: 61299

Country: US

State: IL

Zip Code: 61299

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

8/22/2007

7:53 AM

CAPS

NUM

INS

SCRL



Inbox - Micr...

Calendar - M...

FW: Restrict...

Arms Service...

7:53 AM

Serial Number:

C6523475

Model: M24 SWS



RE00133018

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523475.___0
FILE DATE AND TIME: 12/07/2007 09:21

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.035
The Average Y Centroid of the Five Target Set:	-0.153
The Average Point of Impact of the Five Target Set:	0.157
The Average Mean Radius of the Five Target Set:	0.672
The Distance from POA to Centroid Target #1:	0.286
The Distance from Centroid Target #2 to Centroid Target #1:	0.199
The Distance from Centroid Target #3 to Centroid Target #1:	0.416
The Distance from Centroid Target #4 to Centroid Target #1:	0.120
The Distance from Centroid Target #5 to Centroid Target #1:	0.166

SERIAL NUMBER: C6523475. __0

TARGET NUMBER: 1

FILE DATE: 12/07/2007

FILE TIME: 09:21

POINT#	X	Y
1:	1.255	-0.416
2:	1.079	-0.411
3:	0.460	0.211
4:	-0.099	0.565
5:	-0.307	0.190
6:	-0.140	0.205
7:	0.224	-0.061
8:	0.224	-0.492
9:	-0.249	-0.454
10:	-0.566	-1.495

X CENTROID: 0.188

Y CENTROID: -0.216

POA TO CENTROID: 0.286

HORZ SPREAD: 1.821

VERT SPREAD: 2.060

GROUP SPREAD: 2.117

MIN RADIUS: 0.159

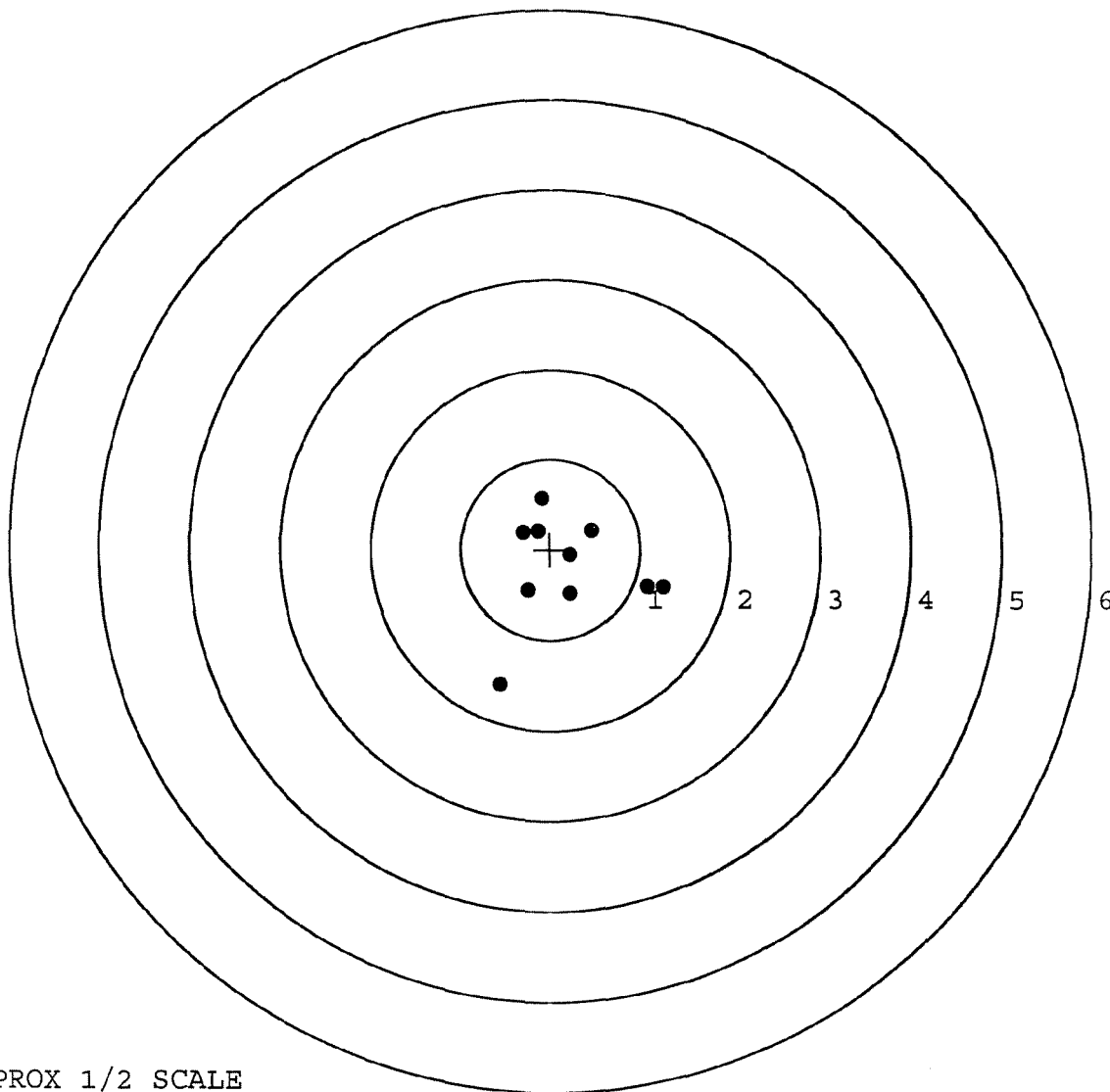
MAX RADIUS: 1.485

MEAN RADIUS: 0.693

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523475. __0

TARGET NUMBER: 2

FILE DATE: 12/07/2007

FILE TIME: 09:21

X CENTROID: 0.003

Y CENTROID: -0.141

POA TO CENTROID: 0.141

HORZ SPREAD: 1.598

VERT SPREAD: 2.516

GROUP SPREAD: 2.541

MIN RADIUS: 0.074

MAX RADIUS: 1.660

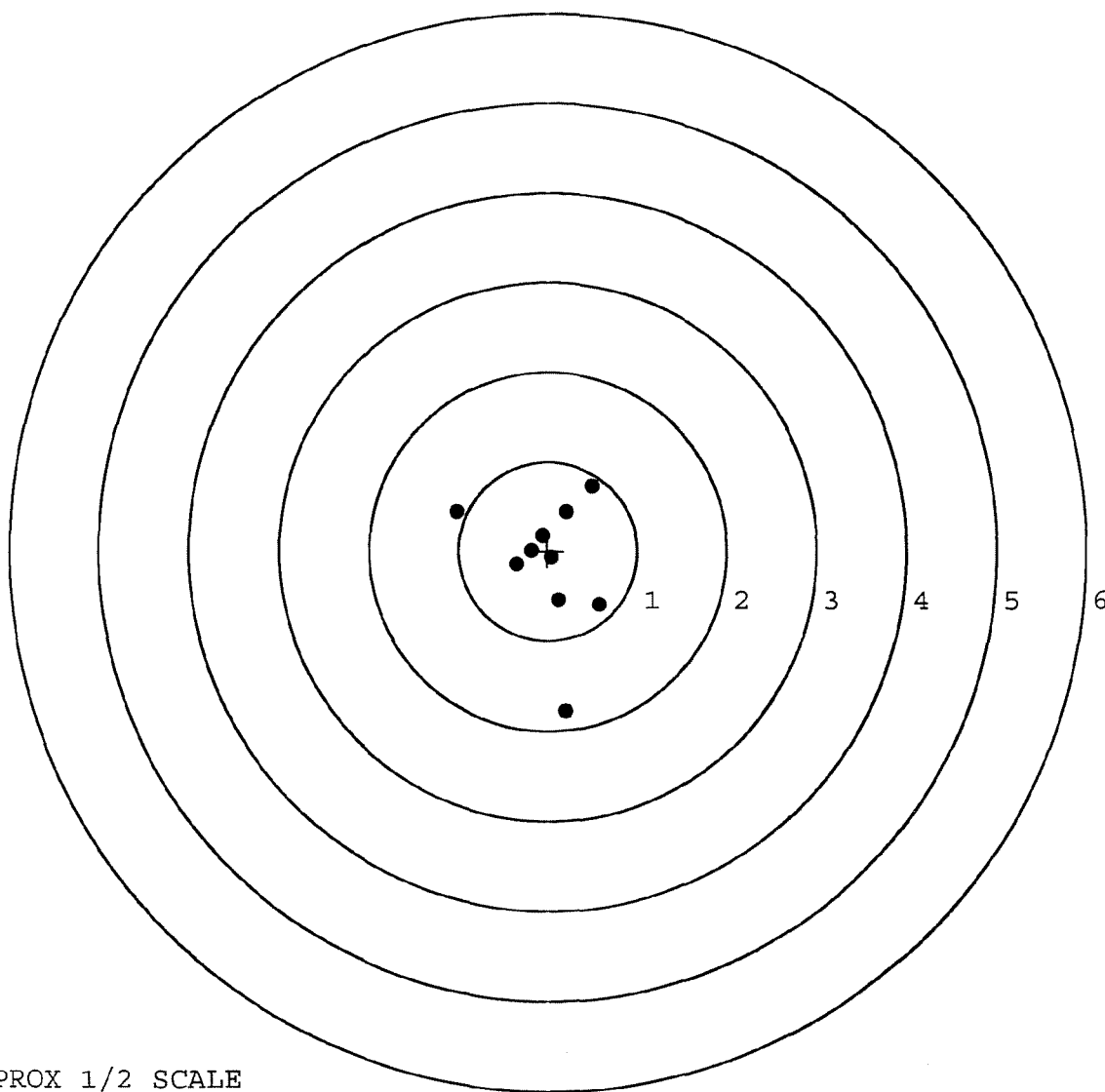
MEAN RADIUS: 0.659

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.576	-0.605
2:	0.126	-0.554
3:	0.494	0.727
4:	0.207	0.434
5:	-0.060	0.167
6:	-1.022	0.439
7:	0.041	-0.078
8:	-0.183	0.005
9:	-0.347	-0.157
10:	0.200	-1.789

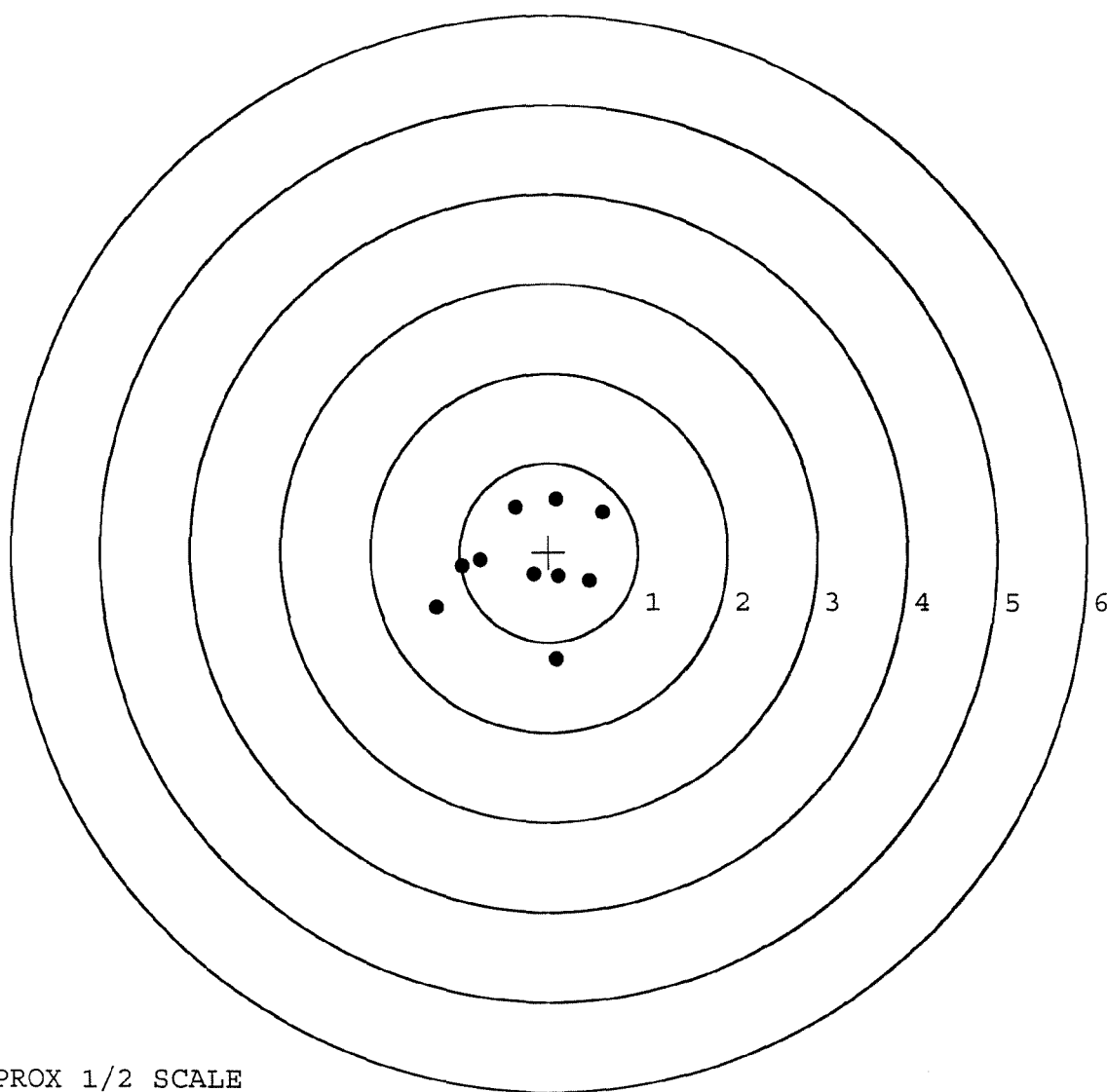


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523475. __0
 TARGET NUMBER: 3
 FILE DATE: 12/07/2007
 FILE TIME: 09:21

POINT#	X	Y
1:	0.093	-1.193
2:	0.460	-0.324
3:	0.108	-0.271
4:	-0.167	-0.253
5:	-0.773	-0.098
6:	-0.972	-0.166
7:	-1.264	-0.628
8:	-0.378	0.498
9:	0.083	0.590
10:	0.602	0.444

X CENTROID: -0.221
 Y CENTROID: -0.140
 POA TO CENTROID: 0.261
 HORZ SPREAD: 1.866
 VERT SPREAD: 1.783
 GROUP SPREAD: 2.152
 MIN RADIUS: 0.125
 MAX RADIUS: 1.152
 MEAN RADIUS: 0.720
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

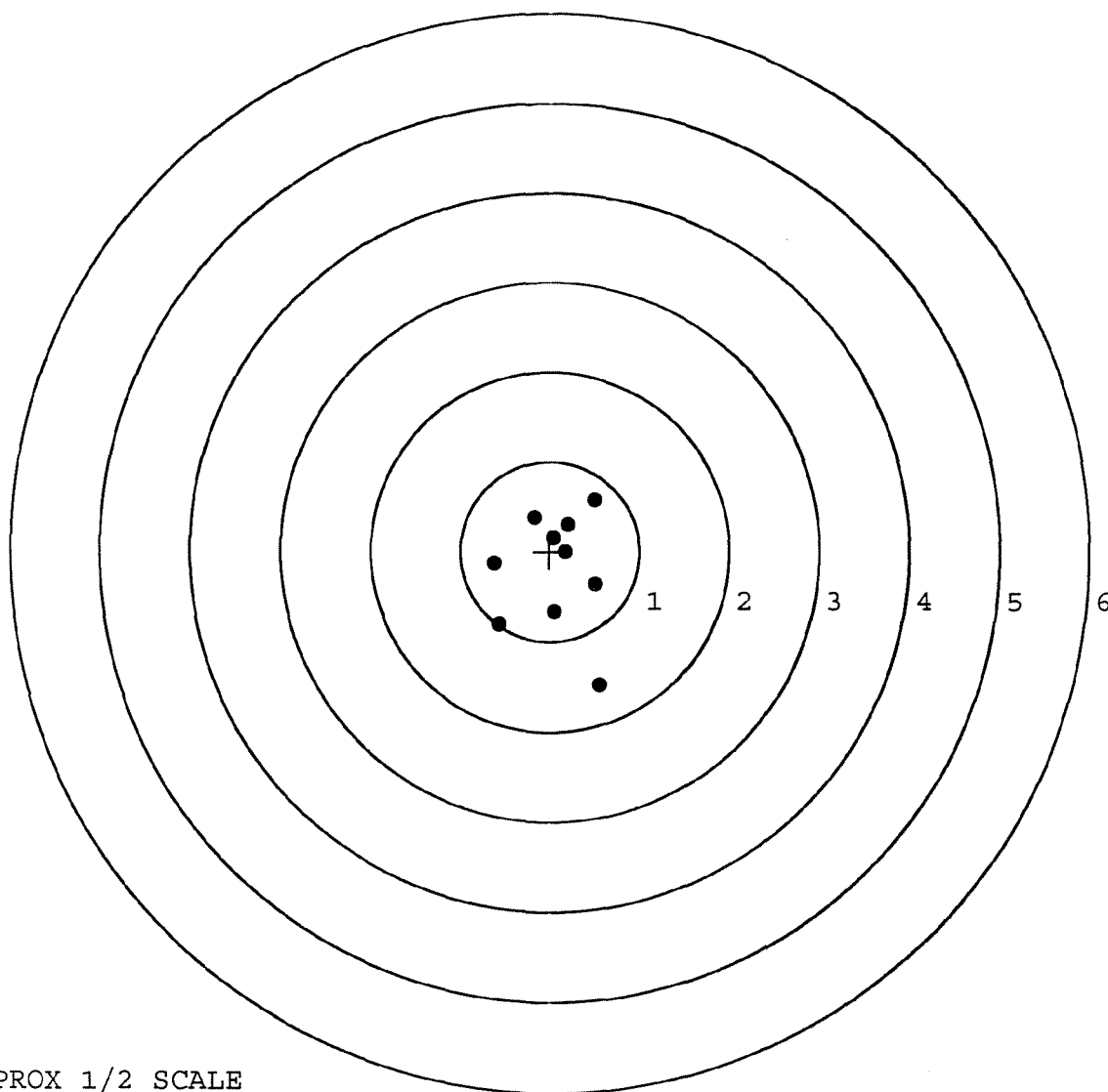


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523475. __0
 TARGET NUMBER: 4
 FILE DATE: 12/07/2007
 FILE TIME: 09:21

POINT#	X	Y
1:	0.556	-1.485
2:	0.513	-0.367
3:	0.047	-0.674
4:	-0.571	-0.815
5:	-0.621	-0.136
6:	0.506	0.570
7:	0.177	-0.011
8:	0.205	0.297
9:	-0.176	0.379
10:	0.046	0.151

X CENTROID: 0.068
 Y CENTROID: -0.209
 POA TO CENTROID: 0.220
 HORZ SPREAD: 1.177
 VERT SPREAD: 2.055
 GROUP SPREAD: 2.056
 MIN RADIUS: 0.226
 MAX RADIUS: 1.366
 MEAN RADIUS: 0.652
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523475. __0

TARGET NUMBER: 5

FILE DATE: 12/07/2007

FILE TIME: 09:21

POINT#	X	Y
1:	-0.237	-0.860
2:	-0.306	-0.391
3:	-0.486	0.075
4:	0.194	0.429
5:	-0.754	0.938
6:	0.828	-0.069
7:	0.605	0.047
8:	0.595	-0.395
9:	0.336	-0.239
10:	0.591	-0.110

X CENTROID: 0.137

Y CENTROID: -0.057

POA TO CENTROID: 0.148

HORZ SPREAD: 1.582

VERT SPREAD: 1.798

GROUP SPREAD: 1.896

MIN RADIUS: 0.270

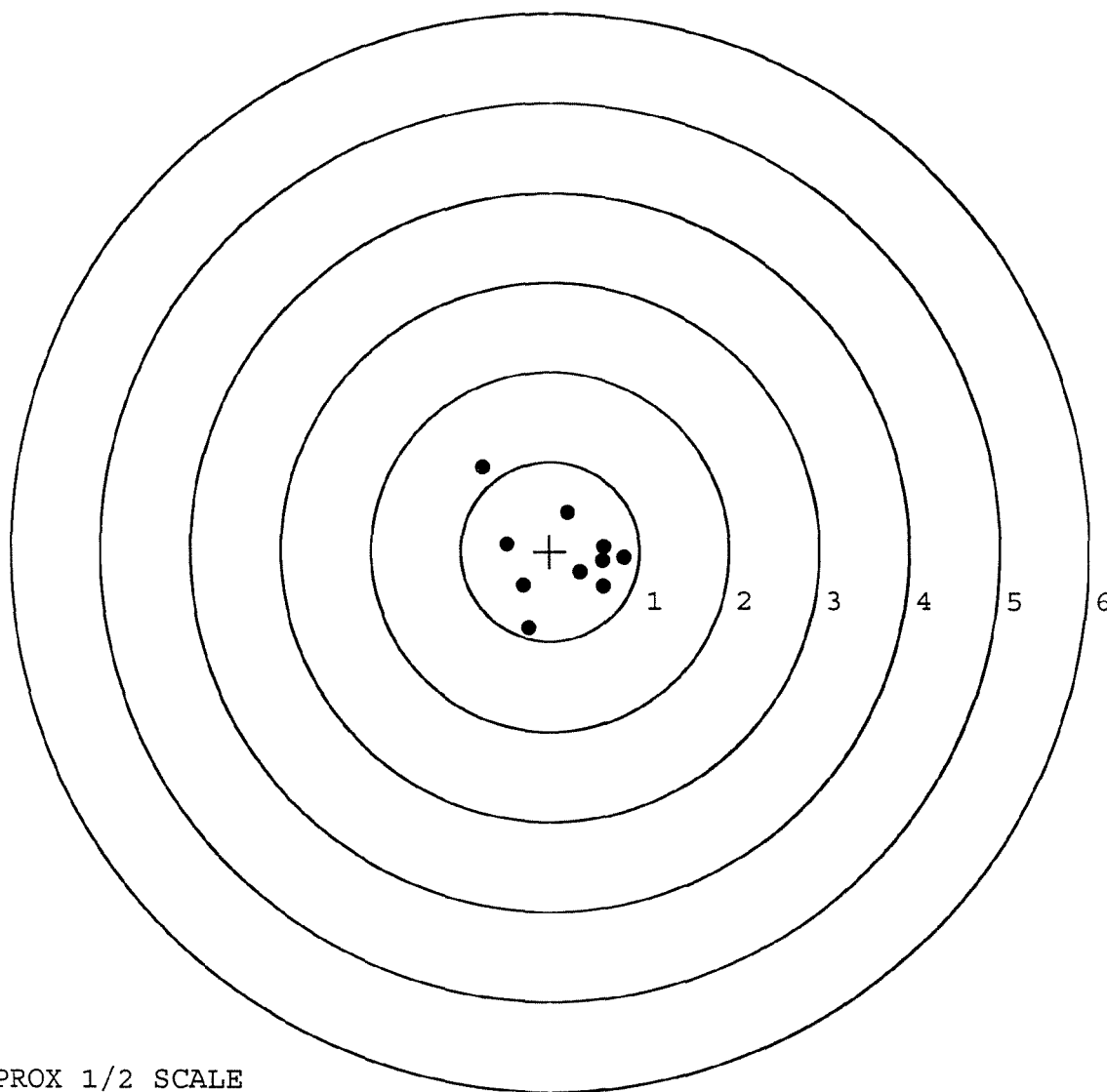
MAX RADIUS: 1.336

MEAN RADIUS: 0.637

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	133012		
SERIAL NUMBER	E6413475 C6523475 TRW		
LOG-IN DATE	8-22-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	11-1-07	RTZ
505	RE-BARREL		
560	ASSEMBLE		
600	PROOF	11-7-07	TRW
605	CHECK HEADSPACE	11-7-07	TRW
610	DIS-ASSEMBLE GUN	11-08-07	TRW
612	MAGNAFLUX	11-19-07	JB
510	DRILL AND TAP	11-8-07	S.D
615	ROLLMARK CALIBER	11-13-07	CW
618	ROTO-BLAST	11-14-07	Sty
620	APPLY COATINGS	11/12/07	PS
625	FINAL ASSEMBLY	12-3-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	
650	TARGET	PASS FAIL	12-6-07 TRW
	MALFUNCTION <i>Bit release sticks</i>	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		12-6-07 FM
	A) HEADSPACE	PASS FAIL	12-20-07 BA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	12-7-07 BA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	12-7-07 BA
	G) SAFETY OFF FORCE	2 LBS MIN	12-7-07 BA
	I) FIRING PIN INDENT	.020	12-7-07 BA
690	PACK		1-2-08 BA

Remington
REG. U.S. PAT. & TM. OFF.

MODEL 700TM M24

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

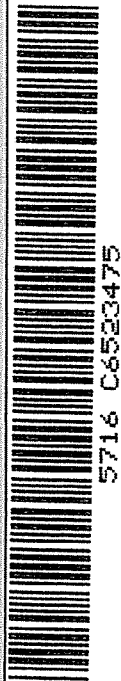
DU PONT

SERIAL NO.
C6523475

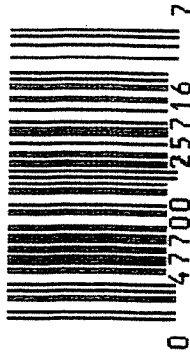
ORDER NO.
5716

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

Ø1



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523475

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/4/90	KA
600	Proof		10/4/90	KA
607	Check Headspace		10/4/90	KA
610	Dis-assemble Gun		10/4/90	KA
612	Magnaflux Barrel Action		10/9/90	KR
	Magnaflux Bolt		10/9/90	KR
615	Rollmark Caliber		10/9/90	LS
617	Drill and Tap Sight Holes		10/11/90	LB
618	Polish Barrel <i>LB</i>		10/12/90	LB
620	Apply Coatings (Barrel Action)		10-12-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/14/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/14/90	WB
	C) Inspect Ejector Hole for Chamfer		10/14/90	WB
	D) Oil Firing Pin Ass'y		10/19/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		11/5/90	JA

op. #	BARBER - M24 0028748 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.5	4.5	4.5			11-2-90	KP
	G) Safety Off Force	2.5	2.5	2.25			11-2-90	KP
	H) Trigger Pull Test & Retainability						11-5-90	RM
	I) Firing Pin Indent	0.25	0.24	0.25			11-2-90	KP
	J) Assemble Stock						11-5-90	KP
	K) Assemble Swivel Studs						11-20-90	RM
	L) Attach Front and Rear Sight Assemblies						11-5-90	KP
	M) Iron Sight Alignment						11-5-90	KP
	N) Detach Front & Rear Sights & place in numbered container						11-5-90	KP
	O) Attach Scope to Rifle						11-5-90	KP
	P) Detach & Attach Scope 20 Times						11-5-90	KP
640	Gallery Target & Test						11/6/90	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						11/6/90	NF
655	Final Inspection							
	A) Headspace						11-20-90	RM
	B) Trigger Pull	2.58	2.47	2.41	2.49	2.32	11-20-90	RM
	C) Function						11-20-90	RM
660	Pack						12/18/90	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523475

DATE 11/5/90

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.20	2.34	2.30	2.58	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.30	2.33	2.47	
PULL #3	2.20	2.21	2.28	2.41	
PULL #4	2.17	2.33	2.30	2.49	
PULL #5	2.30	2.35	2.31	2.32	
TOTAL	11.15	11.53	11.52		
AVG.	2.23	2.306	2.304		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.41		
PULL #2	3.33	3.41		
PULL #3	3.48	3.16		
PULL #4	3.37	3.42		
PULL #5	3.29	3.50		
TOTAL	16.78	16.90		
AVG.	3.356	3.38		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.21		4.27
PULL #2	4.23	4.22		4.24
PULL #3	4.32	4.16		4.28
PULL #4	4.34	4.17		4.29
PULL #5	4.33	4.18		4.26
TOTAL	21.56	20.94		21.34
AVG.	4.312	4.188		4.268

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523475
7 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.44809
1 TO	2	.474065
1 TO	3	.365613
1 TO	4	.518833
1 TO	5	.602289

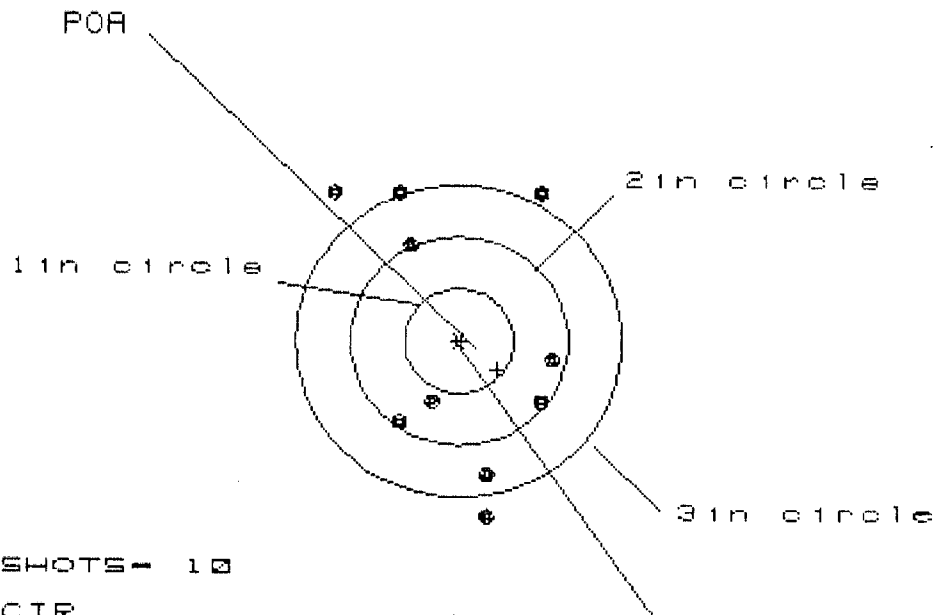
11 345 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0682
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0294
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0742671
THE AMR FOR THIS RIFLE IS: 1.018

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523475

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 0

2in = 5

3in = 7

HS = 2.019

VS = 3.120

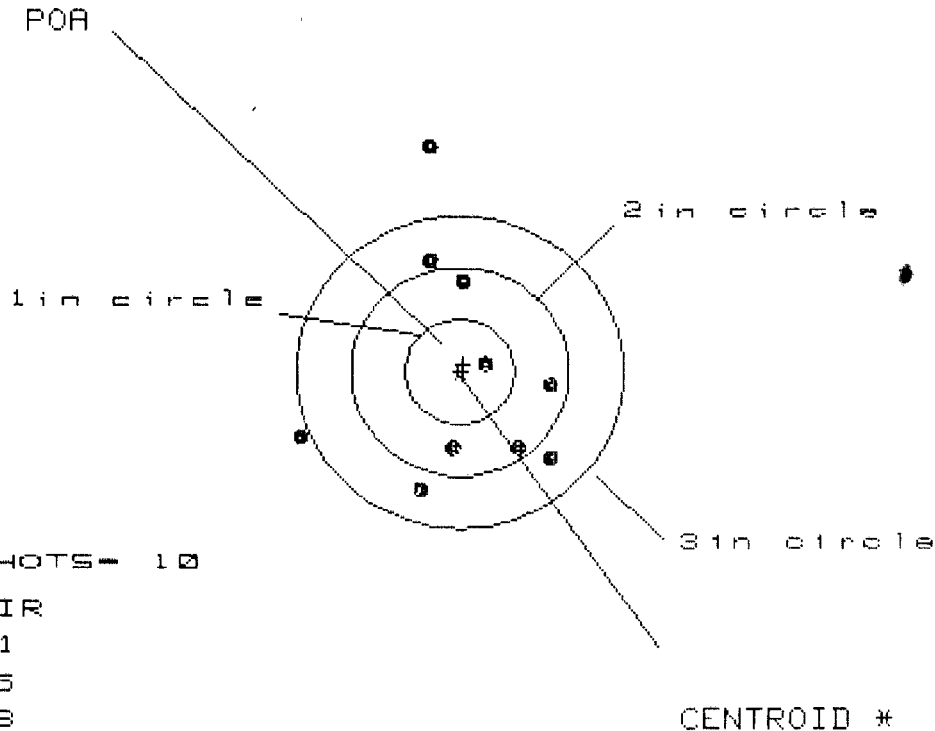
GS = 3.395

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.868	.740	.751
MINIMUM X	-1.151	-.693	-.682
MAXIMUM Y	1.444	1.603	1.413
MINIMUM Y	-1.676	-1.517	-1.327
CENTROID X	-.353	-.225	-.236
CENTROID Y	.276	.117	.307
POA TO CENTROID in.	.448	.253	.387
MIN RADIUS	.641	.565	.718
MEAN RADIUS	1.242	1.141	1.108
MAX RADIUS	1.835	1.713	1.542
HORIZONTAL SPREAD	2.019	1.433	1.433
VERTICAL SPREAD	3.120	3.120	2.740
EXTREME SPREAD	3.395	3.162	2.781
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523475

CENTERFIRE PATTERNS # 2

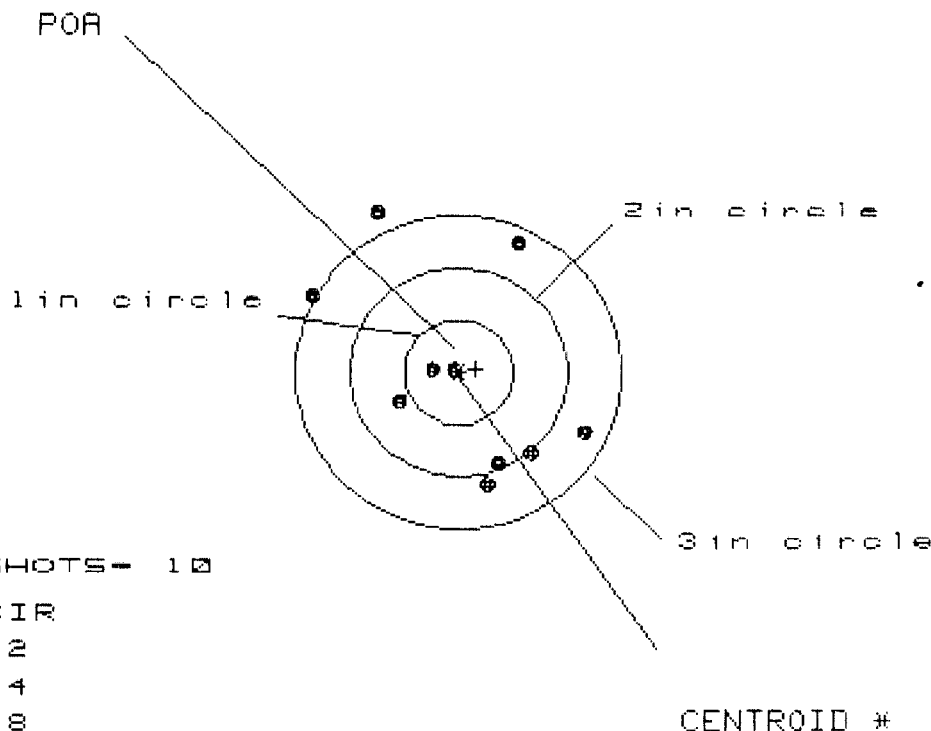


PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.806	.777	.588
MINIMUM X	:	-1.485	-1.514	-.605
MAXIMUM Y	:	2.207	1.336	1.286
MINIMUM Y	:	-1.103	-.857	-.906
CENTROID X	:	-.030	-.001	.188
CENTROID Y	:	-.071	-.317	-.268
POA TO CENTROID in.	:	.077	.317	.327
MIN RADIUS	:	.288	.421	.299
MEAN RADIUS	:	1.093	.934	.819
MAX RADIUS	:	2.222	1.564	1.385
HORIZONTAL SPREAD	:	2.291	2.291	1.193
VERTICAL SPREAD	:	3.310	2.193	2.193
EXTREME SPREAD	:	3.313	2.348	2.196
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523475

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS = 2.479

VS = 2.535

GS = 2.828

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.123	1.041	.861
MINIMUM X	:	-1.356	-1.438	-.760
MAXIMUM Y	:	1.507	1.431	1.546
MINIMUM Y	:	-1.028	-.860	-.745
CENTROID X	:	-.156	-.074	.106
CENTROID Y	:	-.032	-.200	-.315
POA TO CENTROID in.	:	.159	.213	.333
MIN RADIUS	:	.039	.203	.410
MEAN RADIUS	:	.979	.892	.785
MAX RADIUS	:	1.679	1.710	1.569
HORIZONTAL SPREAD	:	2.479	2.479	1.621
VERTICAL SPREAD	:	2.535	2.291	2.291
EXTREME SPREAD	:	2.828	2.828	2.313
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523475

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS - 10

IN CIR

1in = 2

2in = 7

3in = 9

HS = 2.312

VS = 2.389

GS = 2.494

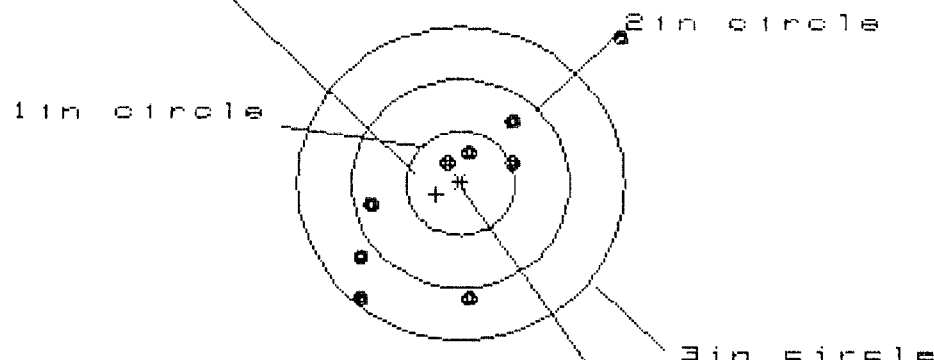
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.466	1.448	.726
MINIMUM X	:	-.846	-.864	-.682
MAXIMUM Y	:	.893	.727	.726
MINIMUM Y	:	-1.496	-1.002	-1.003
CENTROID X	:	-.025	-.007	-.189
CENTROID Y	:	-.126	.040	.041
POA TO CENTROID in.	:	.128	.041	.193
MIN RADIUS	:	.359	.281	.125
MEAN RADIUS	:	.903	.809	.678
MAX RADIUS	:	1.504	1.448	1.027
HORIZONTAL SPREAD	:	2.312	2.312	1.408
VERTICAL SPREAD	:	2.389	1.729	1.729
EXTREME SPREAD	:	2.494	2.328	1.840
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523475

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.359

VS= 2.524

GS= 3.455

CENTROID *

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.449	.681	.588
MINIMUM X	:	-.910	-.749	-.828
MAXIMUM Y	:	1.384	.750	.627
MINIMUM Y	:	-1.140	-.986	-1.022
CENTROID X	:	.223	.062	.155
CENTROID Y	:	.100	-.054	.069
POA TO CENTROID in.	:	.244	.082	.170
MIN RADIUS	:	.228	.367	.239
MEAN RADIUS	:	.873	.773	.670
MAX RADIUS	:	2.004	1.238	1.041
HORIZONTAL SPREAD	:	2.359	1.430	1.415
VERTICAL SPREAD	:	2.524	1.736	1.649
EXTREME SPREAD	:	3.455	2.249	1.894
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		