

C6348943

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington.




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

MODEL 700™ H24

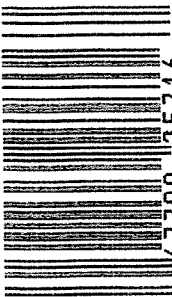
SERIAL NO.
C6348943

ORDER NO.
5716

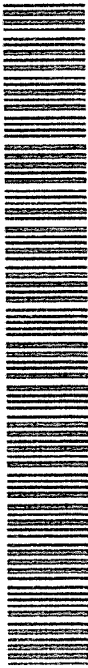
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Ø1

LPC



0 47700 25716 7



5716 C6348943

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 7-16-07

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.37	2.82		2.63	
PULL #2	2.42	2.69		2.56	
PULL #3	2.57	2.65		2.51	
PULL #4	2.62	2.57		2.47	
PULL #5	2.67	2.64		2.52	
TOTAL	12.65	13.37		12.69	
AVERAGE	2.53	2.67		2.53	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.45		
PULL #2	3.41	3.44		
PULL #3	3.27	3.34		
PULL #4	3.43	3.29		
PULL #5	3.34	3.24		
TOTAL	16.55	16.76		
AVERAGE	3.31	3.35		

	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	4.09	4.46		4.29
PULL #2	4.06	4.36		4.09
PULL #3	4.17	4.40		4.25
PULL #4	4.34	4.36		4.29
PULL #5	4.32	4.36		4.30
TOTAL	20.98	21.94		21.22
AVERAGE	4.19	4.38		4.24

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

R & E NUMBER <u>130908</u>			
SERIAL NUMBER <u>C6348943</u>			
LOG-IN DATE <u>02-28-07</u>			
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-16-07	RTL
505	RE-BARREL	7-17-07	RTL
560	ASSEMBLE	7-19-07	TRW
600	PROOF	7-19-07	TRW
605	CHECK HEADSPACE	7-19-07	TRW
610	DIS-ASSEMBLE GUN	7-20-07	RTL
612	MAGNAFLUX	7-23-07	unsub
510	DRILL AND TAP	7-20-07	TRW
615	ROLLMARK CALIBER	7-20-07	CW
618	ROTO-BLAST	7-24-07	LY
620	APPLY COATINGS	7-24-07	TR
625	FINAL ASSEMBLY	7-31-07	RTL
640	FUNCTION TEST AND	(PASS) FAIL	8-1-07 TRW
650	TARGET	(PASS) FAIL	8-1-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	8-1-07	Em
	A) HEADSPACE	(PASS) FAIL	8-3-07 RTL
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 251 283 291 272 272 8-2-07 RTL	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 6 ⁹ 6 ⁹ 6 ⁹ 8-2-07 RTL	
	G) SAFETY OFF FORCE	2 LBS 3 ⁰ 3 ⁵ 3 ¹ 8-2-07 RTL	
	I) FIRING PIN INDENT	.020 .023 .023 .023 8-2-07 RR	
690	PACK	8-7-07	DA

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348943.___0
FILE DATE AND TIME: 08/01/2007 14:58

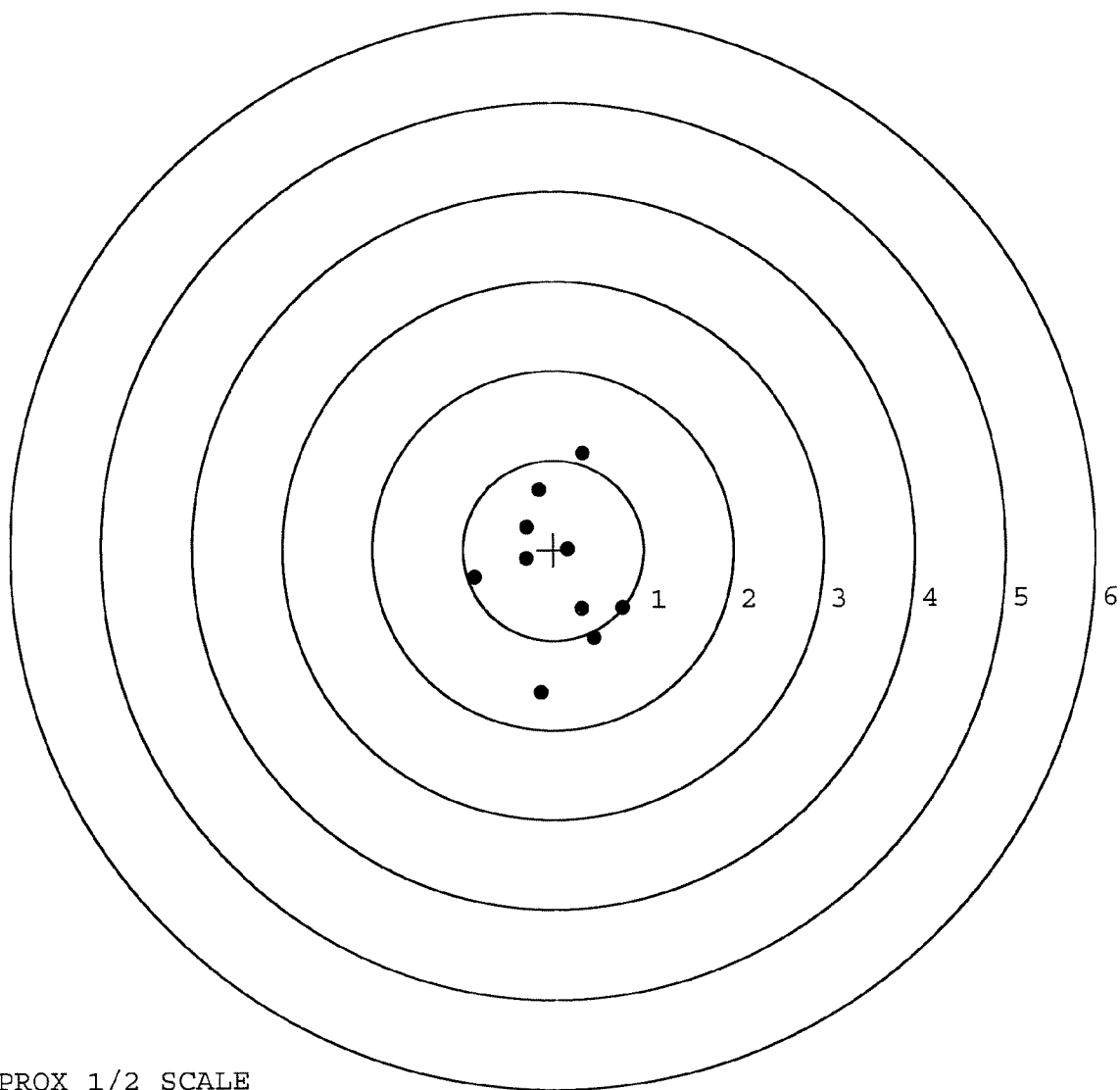
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.009
The Average Y Centroid of the Five Target Set:	-0.078
The Average Point of Impact of the Five Target Set:	0.079
The Average Mean Radius of the Five Target Set:	0.531
The Distance from POA to Centroid Target #1:	0.230
The Distance from Centroid Target #2 to Centroid Target #1:	0.228
The Distance from Centroid Target #3 to Centroid Target #1:	0.123
The Distance from Centroid Target #4 to Centroid Target #1:	0.176
The Distance from Centroid Target #5 to Centroid Target #1:	0.298

SERIAL NUMBER: C6348943. __0
TARGET NUMBER: 1
FILE DATE: 08/01/2007
FILE TIME: 14:58

POINT#	X	Y
1:	-0.148	-1.585
2:	0.446	-0.981
3:	0.312	-0.655
4:	0.764	-0.652
5:	0.157	-0.003
6:	-0.302	-0.105
7:	-0.295	0.249
8:	-0.158	0.667
9:	0.330	1.079
10:	-0.880	-0.303

X CENTROID: 0.023
Y CENTROID: -0.229
POA TO CENTROID: 0.230
HORZ SPREAD: 1.644
VERT SPREAD: 2.664
GROUP SPREAD: 2.707
MIN RADIUS: 0.263
MAX RADIUS: 1.367
MEAN RADIUS: 0.795
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

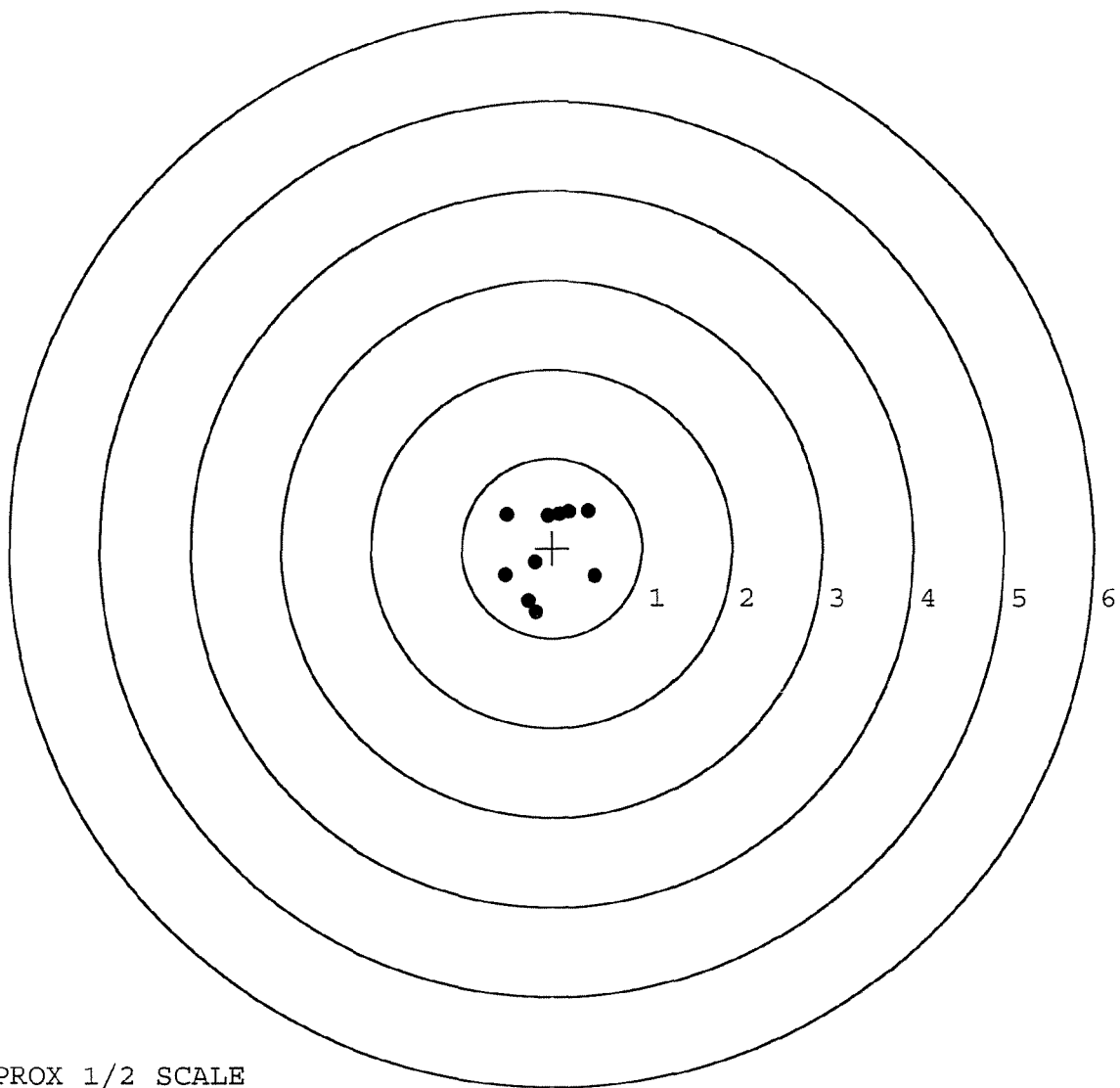


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348943. __0
TARGET NUMBER: 2
FILE DATE: 08/01/2007
FILE TIME: 14:58

X CENTROID: -0.056
Y CENTROID: -0.015
POA TO CENTROID: 0.058
HORZ SPREAD: 0.994
VERT SPREAD: 1.132
GROUP SPREAD: 1.275
MIN RADIUS: 0.200
MAX RADIUS: 0.713
MEAN RADIUS: 0.517
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.185	-0.716
2:	-0.260	-0.589
3:	-0.517	-0.305
4:	-0.191	-0.162
5:	0.477	-0.307
6:	0.402	0.416
7:	0.184	0.403
8:	-0.049	0.360
9:	-0.504	0.370
10:	0.083	0.379



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348943. __0

TARGET NUMBER: 3

FILE DATE: 08/01/2007

FILE TIME: 14:58

POINT#	X	Y
1:	0.113	-0.947
2:	0.285	-0.681
3:	0.001	-0.470
4:	0.228	-0.150
5:	0.200	0.060
6:	-0.101	0.026
7:	-0.359	-0.055
8:	-0.238	0.131
9:	-0.006	0.393
10:	0.095	0.632

X CENTROID: 0.022

Y CENTROID: -0.106

POA TO CENTROID: 0.108

HORZ SPREAD: 0.644

VERT SPREAD: 1.579

GROUP SPREAD: 1.579

MIN RADIUS: 0.180

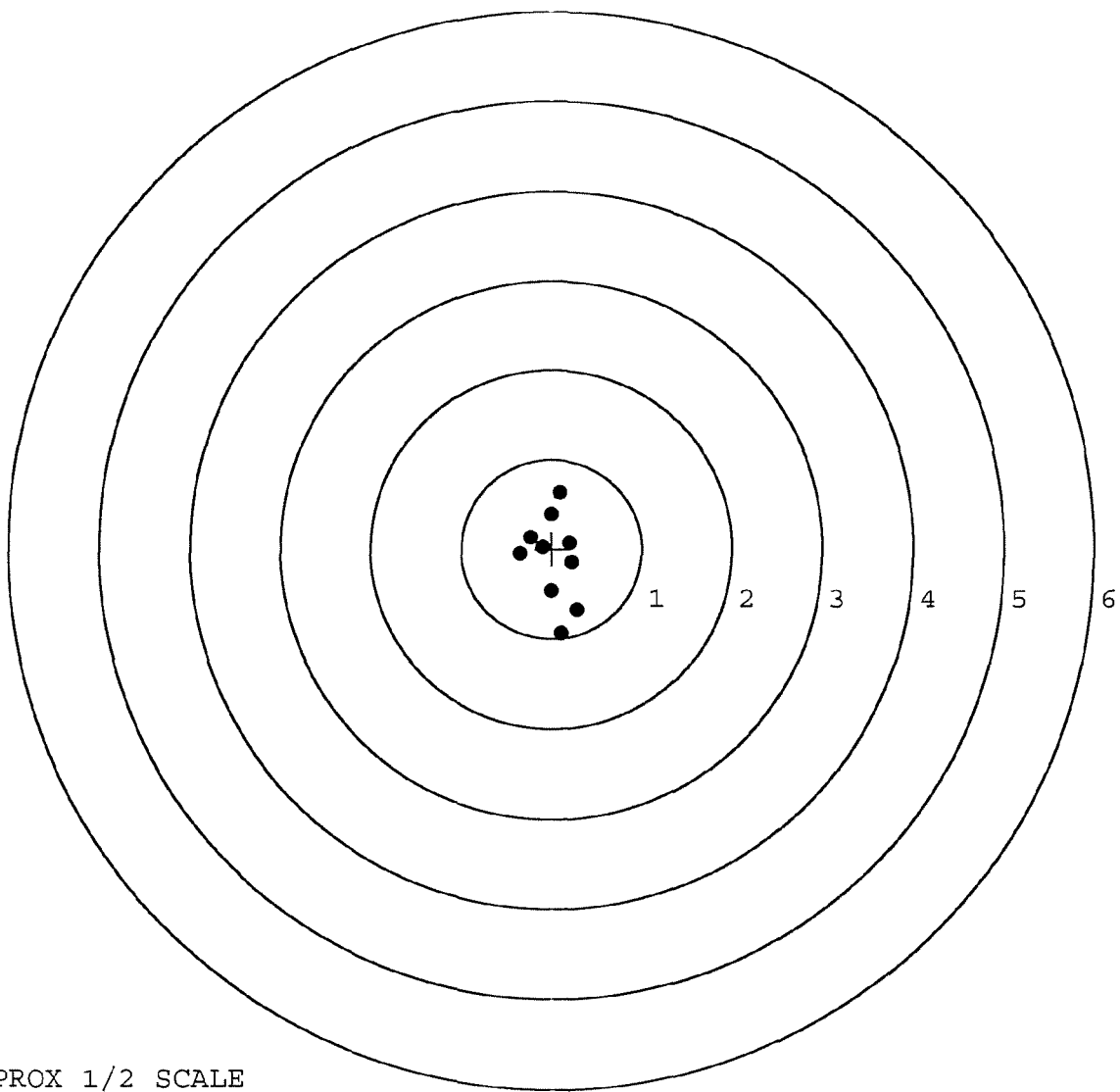
MAX RADIUS: 0.846

MEAN RADIUS: 0.445

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348943. __0

TARGET NUMBER: 4

FILE DATE: 08/01/2007

FILE TIME: 14:58

X CENTROID: -0.080

Y CENTROID: -0.086

POA TO CENTROID: 0.117

HORZ SPREAD: 1.254

VERT SPREAD: 1.328

GROUP SPREAD: 1.474

MIN RADIUS: 0.063

MAX RADIUS: 0.852

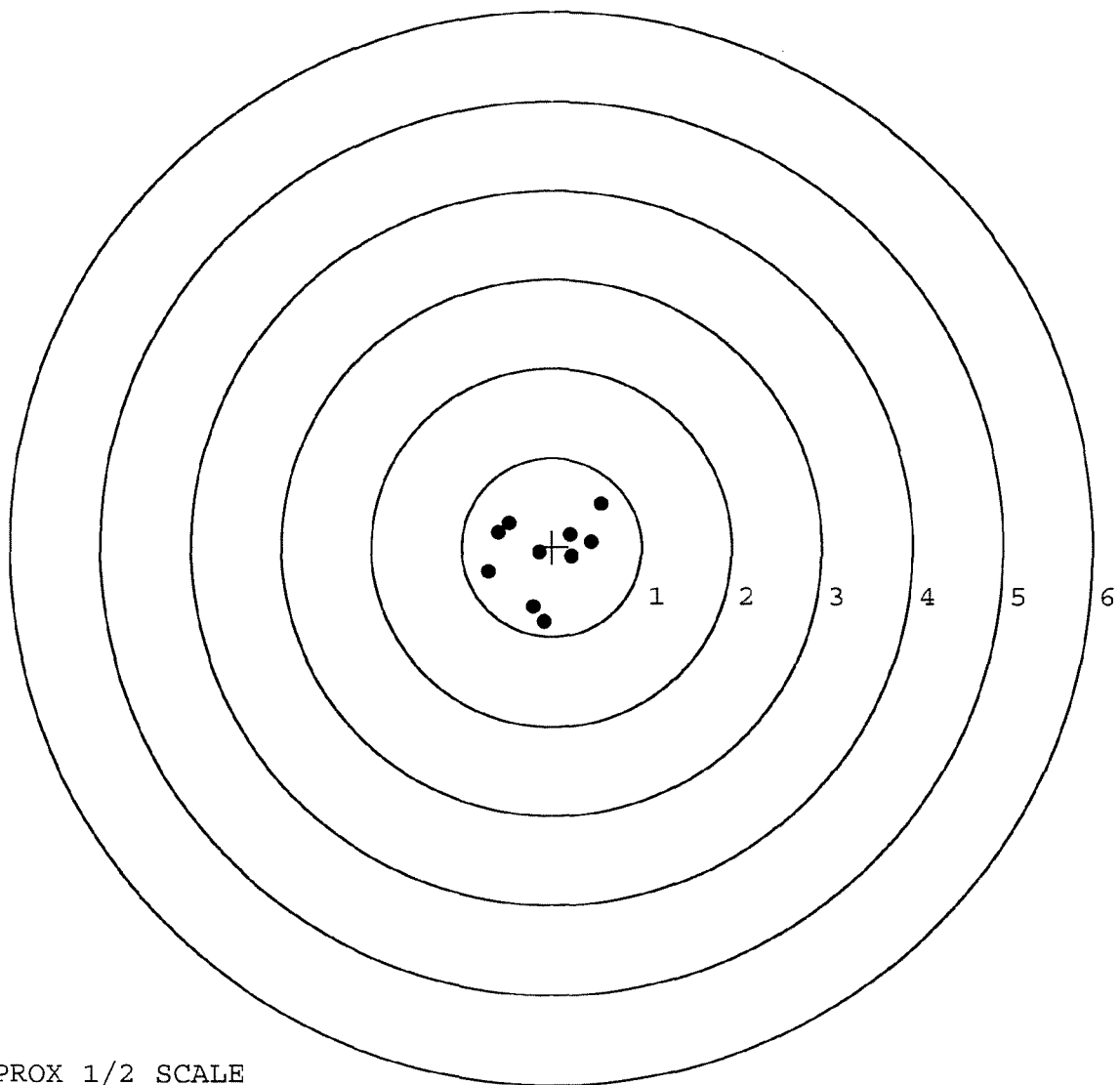
MEAN RADIUS: 0.524

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.090	-0.841
2:	-0.210	-0.676
3:	-0.704	-0.284
4:	-0.597	0.163
5:	-0.477	0.267
6:	0.550	0.487
7:	0.439	0.060
8:	0.206	0.145
9:	0.224	-0.109
10:	-0.141	-0.072



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348943. __0

TARGET NUMBER: 5

FILE DATE: 08/01/2007

FILE TIME: 14:58

POINT#	X	Y
1:	0.882	0.214
2:	0.217	0.475
3:	0.573	-0.182
4:	-0.103	-0.285
5:	-0.493	0.040
6:	-0.235	0.043
7:	0.114	0.198
8:	0.331	-0.011
9:	-0.030	0.035
10:	0.134	-0.068

X CENTROID: 0.139

Y CENTROID: 0.046

POA TO CENTROID: 0.146

HORZ SPREAD: 1.375

VERT SPREAD: 0.760

GROUP SPREAD: 1.386

MIN RADIUS: 0.114

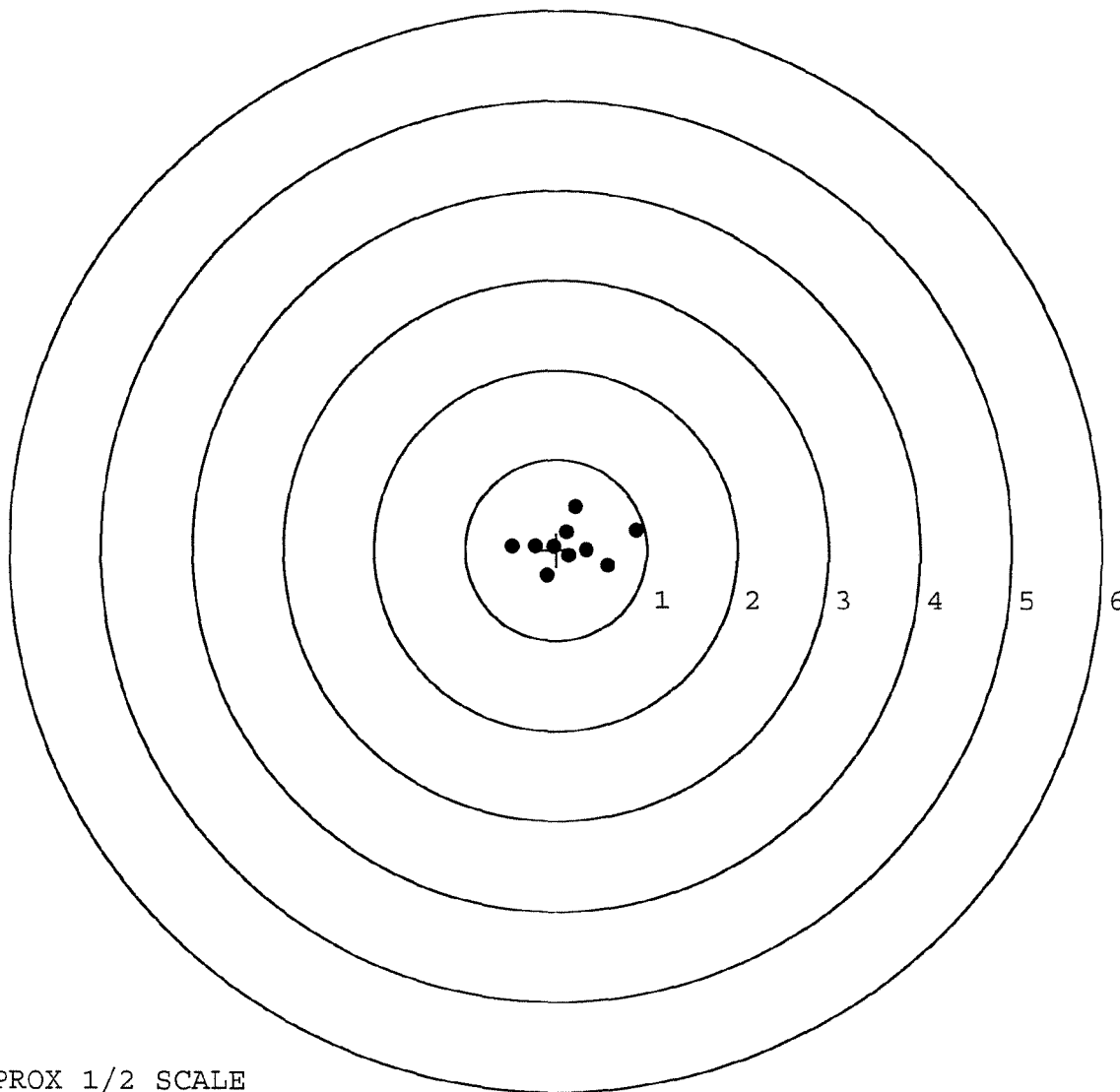
MAX RADIUS: 0.762

MEAN RADIUS: 0.374

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348943

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	89	RW
600	Proof	9 26	89	RW
607	Check Headspace	9 26	89	RW
610	Dis-assemble Gun	9 26	89	RW
612	Magnaflux Barrel Action	9/29/89		KCR
	Magnaflux Bolt	9/29/89		KCR
615	Rollmark Caliber	9/29/89		GB
7	Drill and Tap Sight Holes	9 29 89		GB
618	Polish Barrel RB	9 29 89		BT
620	Apply Coatings (Barrel Action)		10/11/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/12/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/12/89	RW
	C) Inspect Ejector Hole for Chamfer		10/12/89	RW
	D) Oil Firing Pin Ass'y		10/12/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		17 Oct 89	928

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			10/17/89	JS
	G) Safety Off Force	4	4	4			10/17/89	JS
	H) Trigger Pull Test & Retainability						17 Oct 89	JS
	I) Firing Pin Indent	.0205	.020	.020			10/17/89	JS
	J) Assemble Stock						10/18/89	RW
	K) Assemble Swivel Studs						19 Oct 89	JS
	L) Attach Front and Rear Sight Assemblies						12/11/89	RW
	M) Iron Sight Alignment						12/11/89	RW
	N) Detach Front & Rear Sights & place in numbered container						12/11/89	RW
	O) Attach Scope to Rifle						18 Oct 89	JS
	P) Detach & Attach Scope 20 Times						18 Oct 89	JS
640	Gallery Target & Test						10/19/89	AC
	A) Time						10/19/89	AC
	B) Malfunctions						10/19/89	AC
	C) Pierced Primers						10/19/89	AC
	D) Optical Clarity of Scope						10/19/89	JS
645	Inspect for Live Ammo						10/19/89	JS
655	Final Inspection						19 Oct 89	JS
	A) Headspace							
	B) Trigger Pull	254	273	262	283	253	19 Oct 89	JS
	C) Function						19 Oct 89	JS
660	Pack						15 Dec 89	JS

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

SERIAL NO. C6348943
DATE 13 Mar 90
TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.43		2.17	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.34		2.24	
PULL #3	2.37	2.33		2.27	
PULL #4	2.33	2.33		2.24	
PULL #5	2.35	2.33		2.24	
TOTAL	11.71	11.76			
AVG.	2.354	2.352			

	3.00# INITIAL	3.00# AFTER 20 CYCLES			COMMENTS
PULL #1	2.79	2.84			
PULL #2	2.75	2.79			
PULL #3	2.81	2.80			
PULL #4	2.83	2.75			
PULL #5	2.81	2.78			
TOTAL	13.99	13.96			
AVG.	2.798	2.792			

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	3.79	4.00		
PULL #2	4.06	3.92		
PULL #3	4.13	4.06		
PULL #4	4.06	4.02		
PULL #5	4.09	4.10		
TOTAL	20.13	20.10		
AVG.	4.026	4.02		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348943
19 Oct 1989

CENTROIDAL DISTANCES

0 TO 1	.253444
1 TO 2	.725177
1 TO 3	.754806
1 TO 4	.226797
1 TO 5	.284738

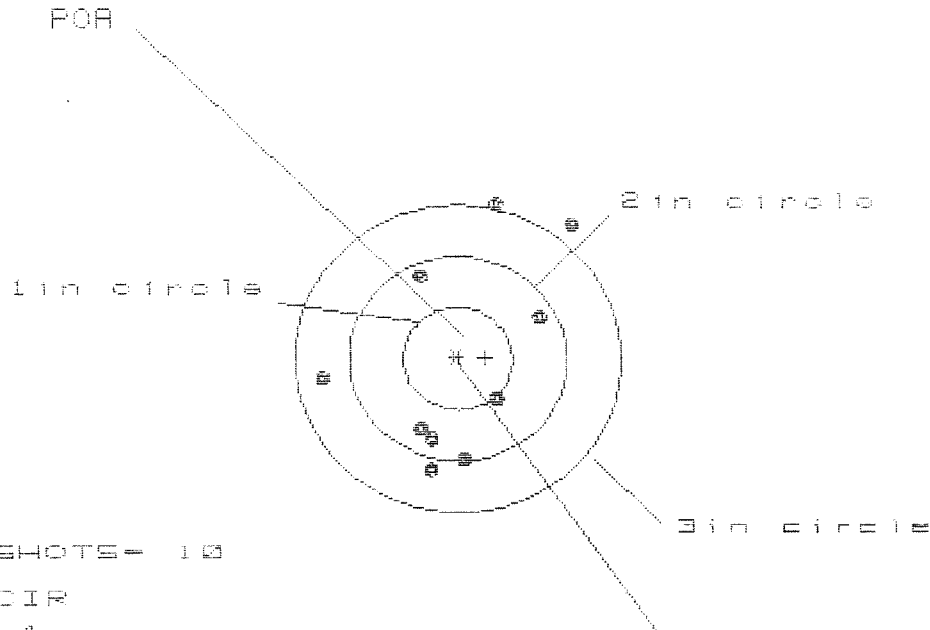
415 8 <-----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .042
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0744
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0854363
THE AMR FOR THIS RIFLE IS: 1.049

19 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06340943

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.313

VS= 2.561

GS= 2.766

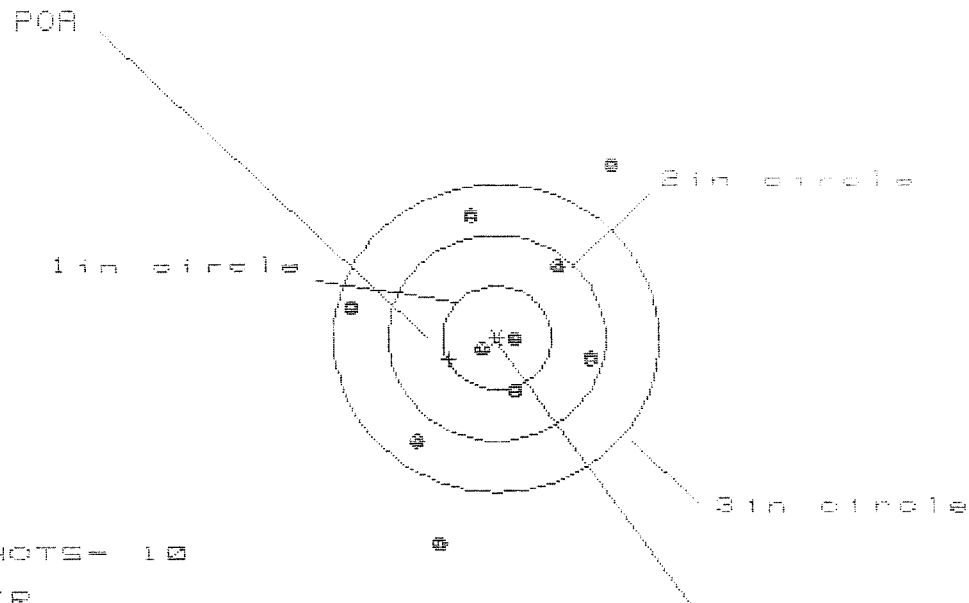
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.026	.846	.906
MINIMUM X	-1.287	-1.173	-1.113
MAXIMUM Y	1.465	1.615	1.154
MINIMUM Y	-1.096	-.946	-.744
CENTROID X	-.253	-.367	-.427
CENTROID Y	-.015	-.165	-.367
POA TO CENTROID in.	.253	.402	.563
MIN RADIUS	.466	.473	.324
MEAN RADIUS	1.038	.928	.775
MAX RADIUS	1.697	1.686	1.182
HORIZONTAL SPREAD	2.313	2.019	2.019
VERTICAL SPREAD	2.561	2.561	1.898
EXTREME SPREAD	2.766	2.638	2.094
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

19 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06346943

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HE= 2.477

VS= 3.677

GS= 4.014

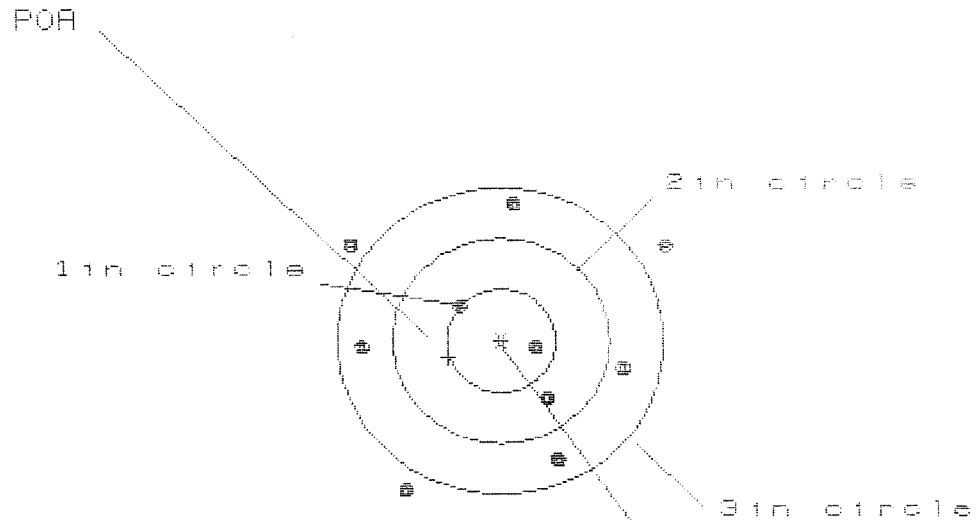
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.107	1.051	.963
MINIMUM X	:	-1.370	-1.426	-1.294
MAXIMUM Y	:	1.694	1.474	1.191
MINIMUM Y	:	-1.983	-1.248	-1.064
CENTROID X	:	.438	.494	.362
CENTROID Y	:	.205	.425	.241
POR TO CENTROID in.	:	.483	.652	.435
MIN RADIUS	:	.148	.297	.155
MEAN RADIUS	:	1.070	.982	.844
MAX RADIUS	:	2.046	1.810	1.316
HORIZONTAL SPREAD	:	2.477	2.477	2.257
VERTICAL SPREAD	:	3.677	2.722	2.255
EXTREME SPREAD	:	4.014	3.307	2.914
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

19 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C634B343

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 7

HS= 2.838

VS= 2.718

GS= 3.307

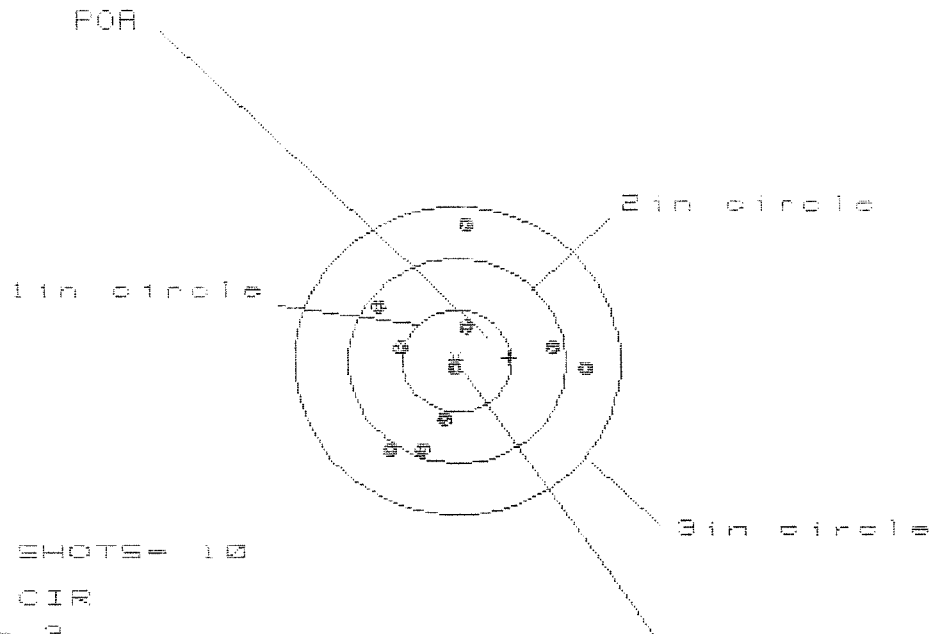
CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.488	1.234	1.149
MINIMUM X	-1.358	-1.185	-1.270
MAXIMUM Y	1.290	1.392	1.226
MINIMUM Y	-1.428	-1.326	-1.188
CENTROID X	.481	.316	.401
CENTROID Y	.161	.059	.225
POA TO CENTROID in.	.508	.322	.460
MIN RADIUS	.381	.450	.399
MEAN RADIUS	1.146	1.081	1.013
MAX RADIUS	1.747	1.591	1.554
HORIZONTAL SPREAD	2.838	2.419	2.419
VERTICAL SPREAD	2.718	2.718	2.414
EXTREME SPREAD	3.307	2.884	2.789
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

19 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0834B943

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.913

VS= 2.269

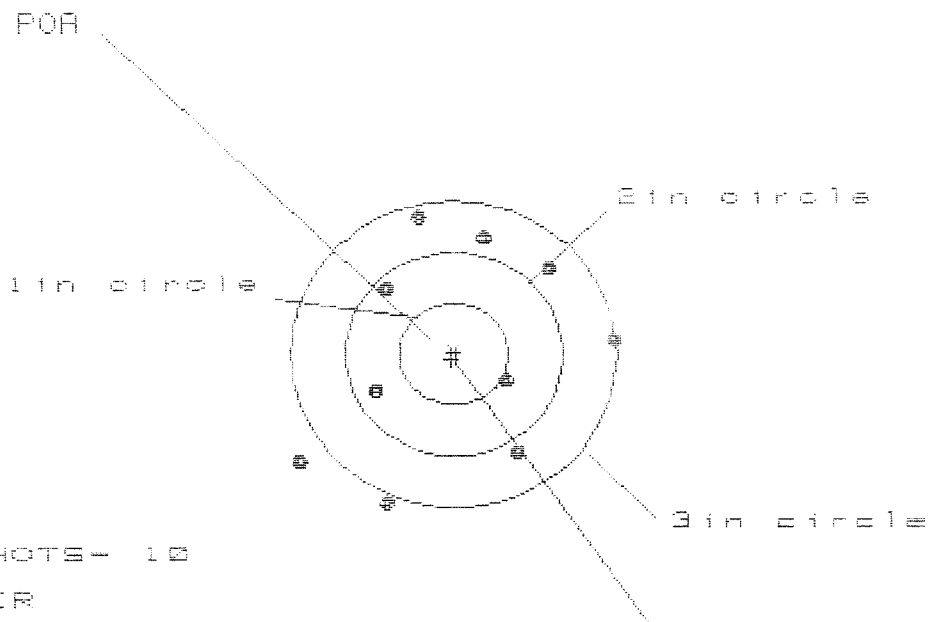
GS= 2.362

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.182	1.192	1.053
MINIMUM X	:	-.731	-.721	-.572
MAXIMUM Y	:	1.381	.721	.730
MINIMUM Y	:	-.888	-.735	-.726
CENTROID X	:	-.479	-.489	-.638
CENTROID Y	:	-.034	-.187	-.196
FOR TO CENTROID in.	:	.480	.524	.668
MIN RADIUS	:	.104	.050	.170
MEAN RADIUS	:	.799	.719	.653
MAX RADIUS	:	1.384	1.195	1.082
HORIZONTAL SPREAD	:	1.913	1.913	1.625
VERTICAL SPREAD	:	2.269	1.456	1.456
EXTREME SPREAD	:	2.362	2.020	1.775
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348943

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 0

3 in = 0

10 = 0.881

VS = 0.799

GS = 0.163

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.467	1.385	1.202
MINIMUM X	-1.464	-0.838	-0.941
MAXIMUM Y	1.312	1.199	0.999
MINIMUM Y	-1.487	-1.600	-1.281
CENTROID X	0.023	0.185	0.288
CENTROID Y	0.055	0.168	0.368
POA TO CENTROID in.	0.059	0.250	0.467
MIN RADIUS	0.549	0.489	0.608
MEAN RADIUS	1.190	1.105	0.996
MAX RADIUS	1.783	1.798	1.320
HORIZONTAL SPREAD	2.931	2.143	2.143
VERTICAL SPREAD	2.799	2.799	2.280
EXTREME SPREAD	3.163	2.818	2.456
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	0		
NUMBER IN THREE INCH CIRCLE =	0		