

C6523516

MODEL 700™ M24

Model **SMS**™

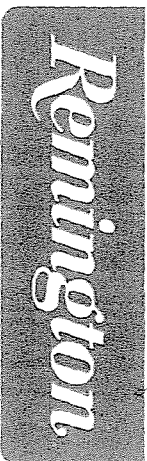
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smith
®

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: **RE00092543** Serial: C6523516 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 2/7/2005 8:18:49 AM

Verify Repair

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: **36201 4199** Country: **US** State: **AL** Zip Code: **36201 4199** 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	Front and Rear Sgt Base	1

Repair Search Refresh Close

negletj 2/7/2005 10:16 AM CAPS NUM INS SCPL

start 3 2

Serial Number: **C6523516**

Model: **M24 SWS**



RE00092543

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523516.___0
FILE DATE AND TIME: 04/13/2005 03:47

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.085
The Average Y Centroid of the Five Target Set:	-0.127
The Average Point of Impact of the Five Target Set:	0.153
The Average Mean Radius of the Five Target Set:	0.906
The Distance from POA to Centroid Target #1:	0.223
The Distance from Centroid Target #2 to Centroid Target #1:	0.312
The Distance from Centroid Target #3 to Centroid Target #1:	0.387
The Distance from Centroid Target #4 to Centroid Target #1:	0.467
The Distance from Centroid Target #5 to Centroid Target #1:	0.482

SERIAL NUMBER: C6523516.___0

TARGET NUMBER: 1

FILE DATE: 04/13/2005

FILE TIME: 03:47

POINT#	X	Y
1:	0.859	-1.088
2:	0.466	-0.396
3:	0.750	0.540
4:	-0.004	0.053
5:	-0.486	-0.690
6:	-0.437	-0.919
7:	-0.811	0.504
8:	-1.289	0.493
9:	-0.823	1.343
10:	0.398	1.912

X CENTROID: -0.138

Y CENTROID: 0.175

POA TO CENTROID: 0.223

HORZ SPREAD: 2.148

VERT SPREAD: 3.000

GROUP SPREAD: 3.035

MIN RADIUS: 0.181

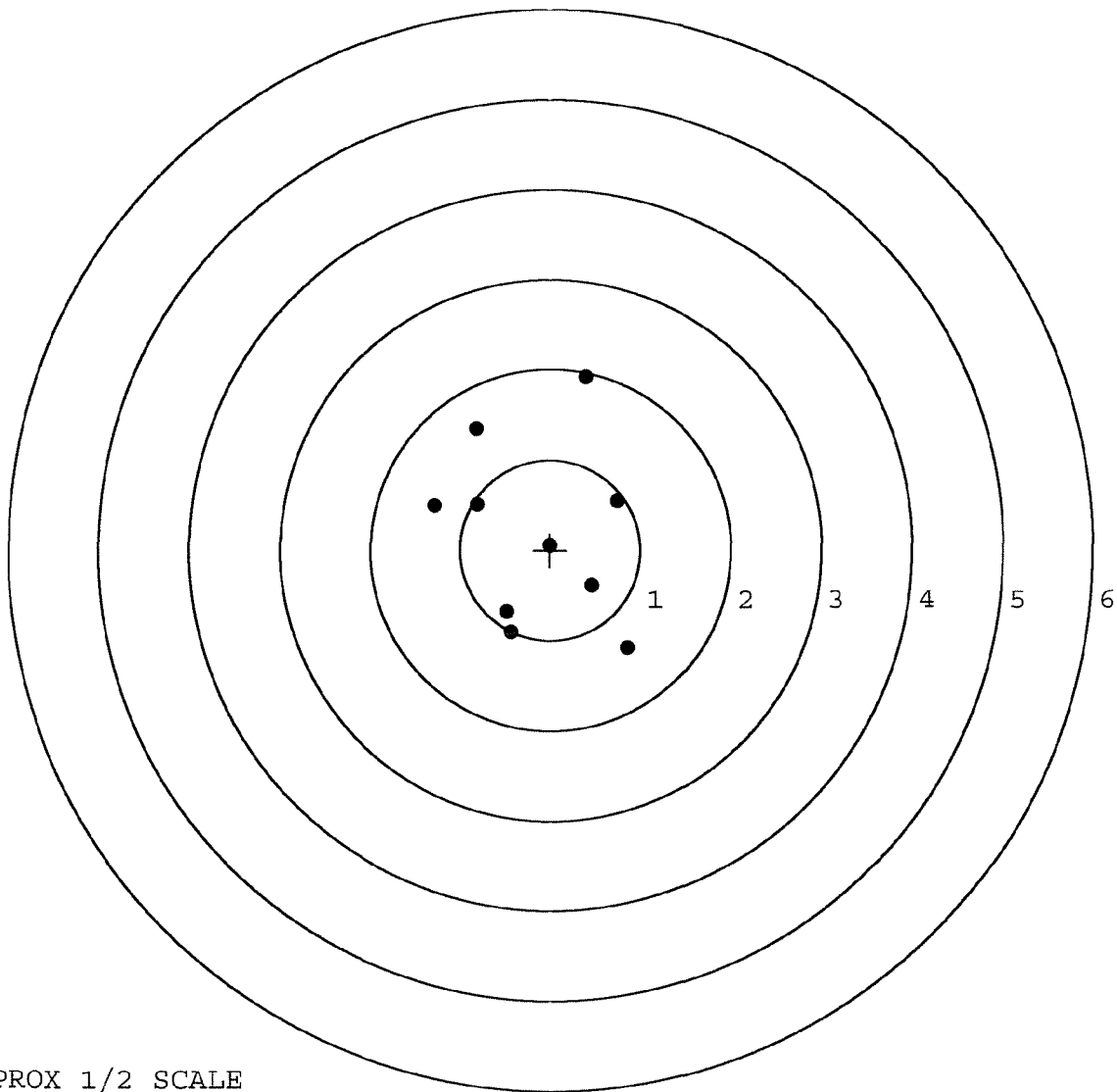
MAX RADIUS: 1.818

MEAN RADIUS: 1.076

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

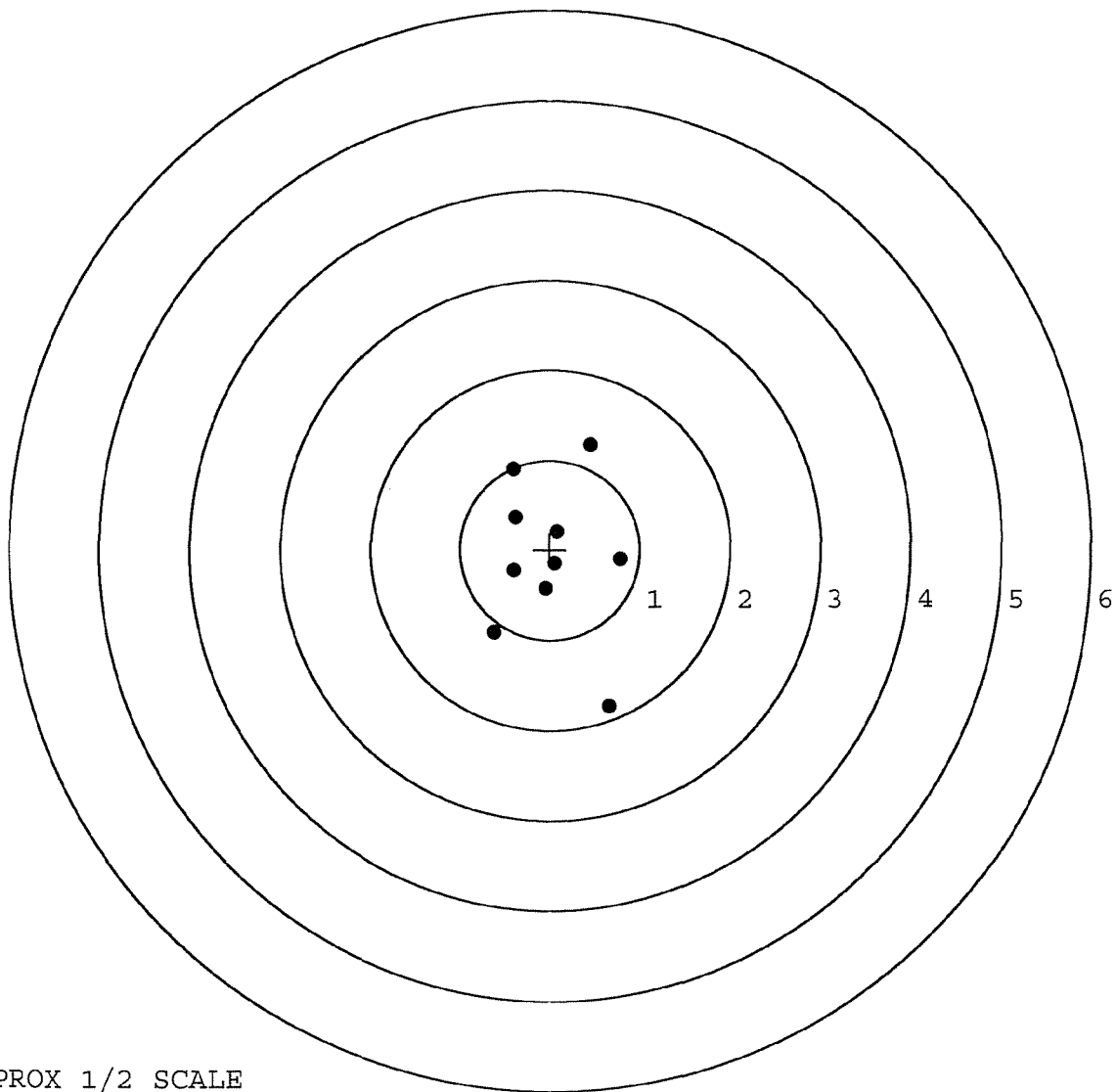


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523516.___0
TARGET NUMBER: 2
FILE DATE: 04/13/2005
FILE TIME: 03:47

X CENTROID: 0.016
Y CENTROID: -0.096
POA TO CENTROID: 0.097
HORZ SPREAD: 1.409
VERT SPREAD: 2.902
GROUP SPREAD: 2.910
MIN RADIUS: 0.071
MAX RADIUS: 1.760
MEAN RADIUS: 0.777
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.658	-1.734
2:	0.785	-0.113
3:	0.448	1.168
4:	-0.401	0.903
5:	-0.388	0.365
6:	0.086	0.204
7:	0.055	-0.155
8:	-0.053	-0.436
9:	-0.401	-0.235
10:	-0.624	-0.922



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523516.___0

TARGET NUMBER: 3

FILE DATE: 04/13/2005

FILE TIME: 03:47

POINT#	X	Y
1:	1.334	-0.024
2:	1.039	0.177
3:	0.185	-1.166
4:	0.208	-0.420
5:	0.460	0.312
6:	-0.093	0.408
7:	-0.357	-0.283
8:	-0.861	-0.578
9:	-0.438	-0.036
10:	-0.520	0.275

X CENTROID: 0.096

Y CENTROID: -0.134

POA TO CENTROID: 0.164

HORZ SPREAD: 2.195

VERT SPREAD: 1.574

GROUP SPREAD: 2.264

MIN RADIUS: 0.308

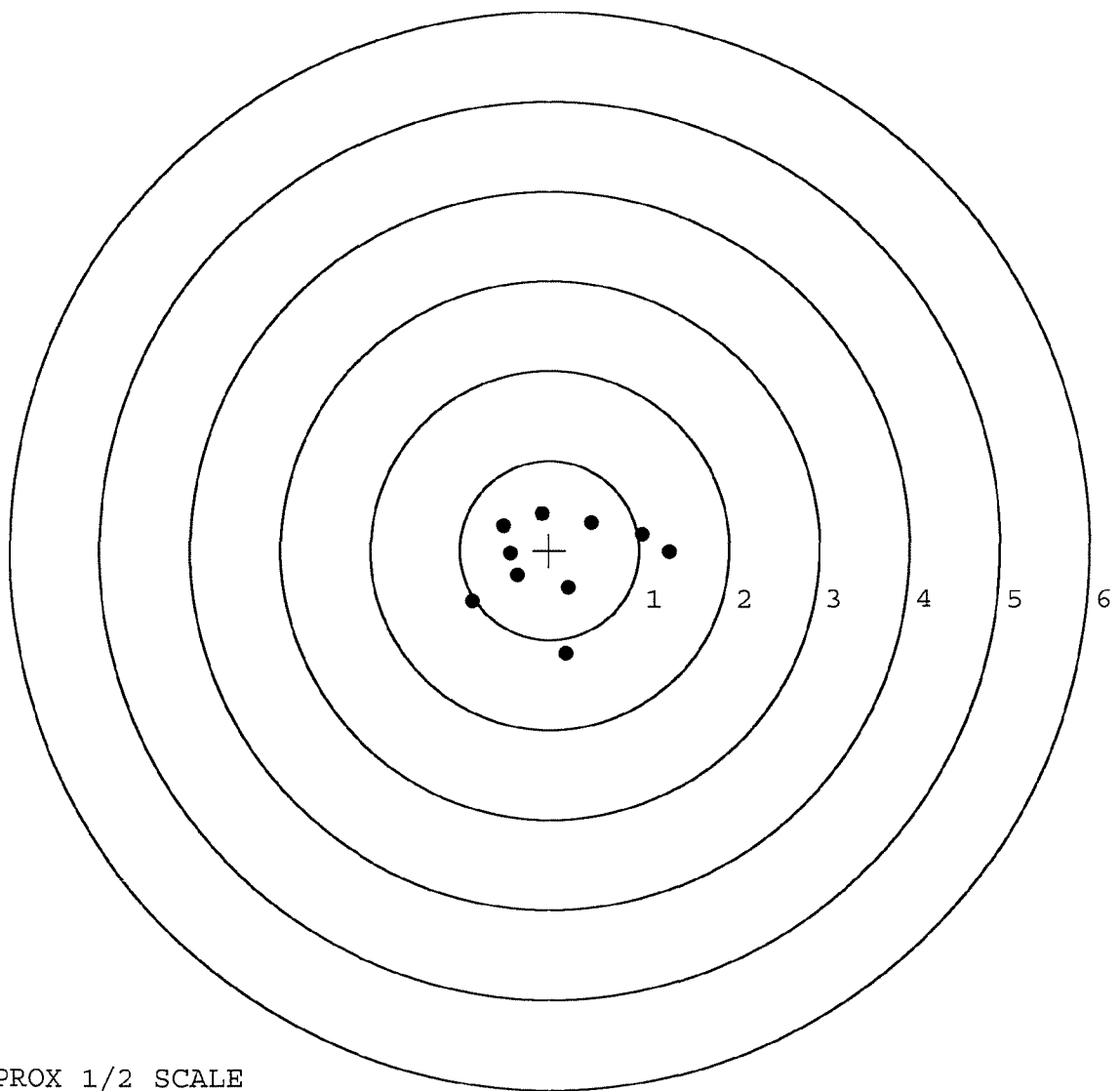
MAX RADIUS: 1.243

MEAN RADIUS: 0.754

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523516. 0

TARGET NUMBER: 4

FILE DATE: 04/13/2005

FILE TIME: 03:47

POINT#	X	Y
1:	-0.077	-2.218
2:	0.449	-0.551
3:	1.071	-0.037
4:	0.451	-0.013
5:	0.018	0.367
6:	-0.095	-0.036
7:	-0.597	0.180
8:	-0.706	0.047
9:	-0.923	-0.101
10:	-2.166	-0.400

X CENTROID: -0.257

Y CENTROID: -0.276

POA TO CENTROID: 0.378

HORZ SPREAD: 3.237

VERT SPREAD: 2.585

GROUP SPREAD: 2.769

MIN RADIUS: 0.290

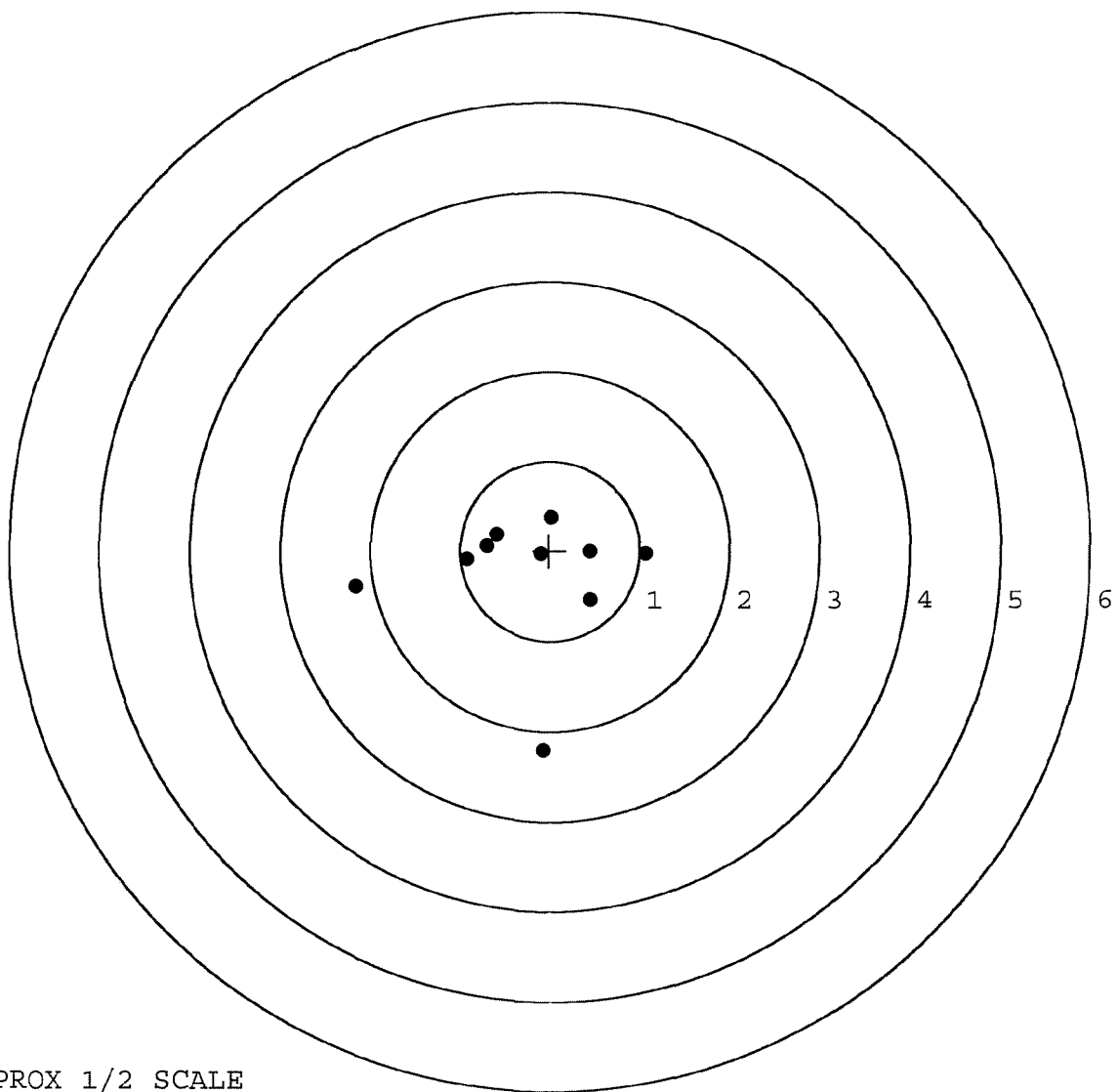
MAX RADIUS: 1.950

MEAN RADIUS: 0.953

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523516. 0

TARGET NUMBER: 5

FILE DATE: 04/13/2005

FILE TIME: 03:47

POINT#	X	Y
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1:	-0.608	-2.050
----	--------	--------

2:	-0.897	-0.854
----	--------	--------

3:	-0.665	-0.484
----	--------	--------

4:	-0.162	0.580
----	--------	-------

5:	-1.586	0.755
----	--------	-------

6:	0.466	0.295
----	-------	-------

7:	0.513	-0.106
----	-------	--------

8:	0.258	-0.031
----	-------	--------

9:	0.858	-0.498
----	-------	--------

10:	0.420	-0.670
-----	-------	--------

X CENTROID: -0.140

Y CENTROID: -0.306

POA TO CENTROID: 0.337

HORZ SPREAD: 2.444

VERT SPREAD: 2.805

GROUP SPREAD: 2.971

MIN RADIUS: 0.484

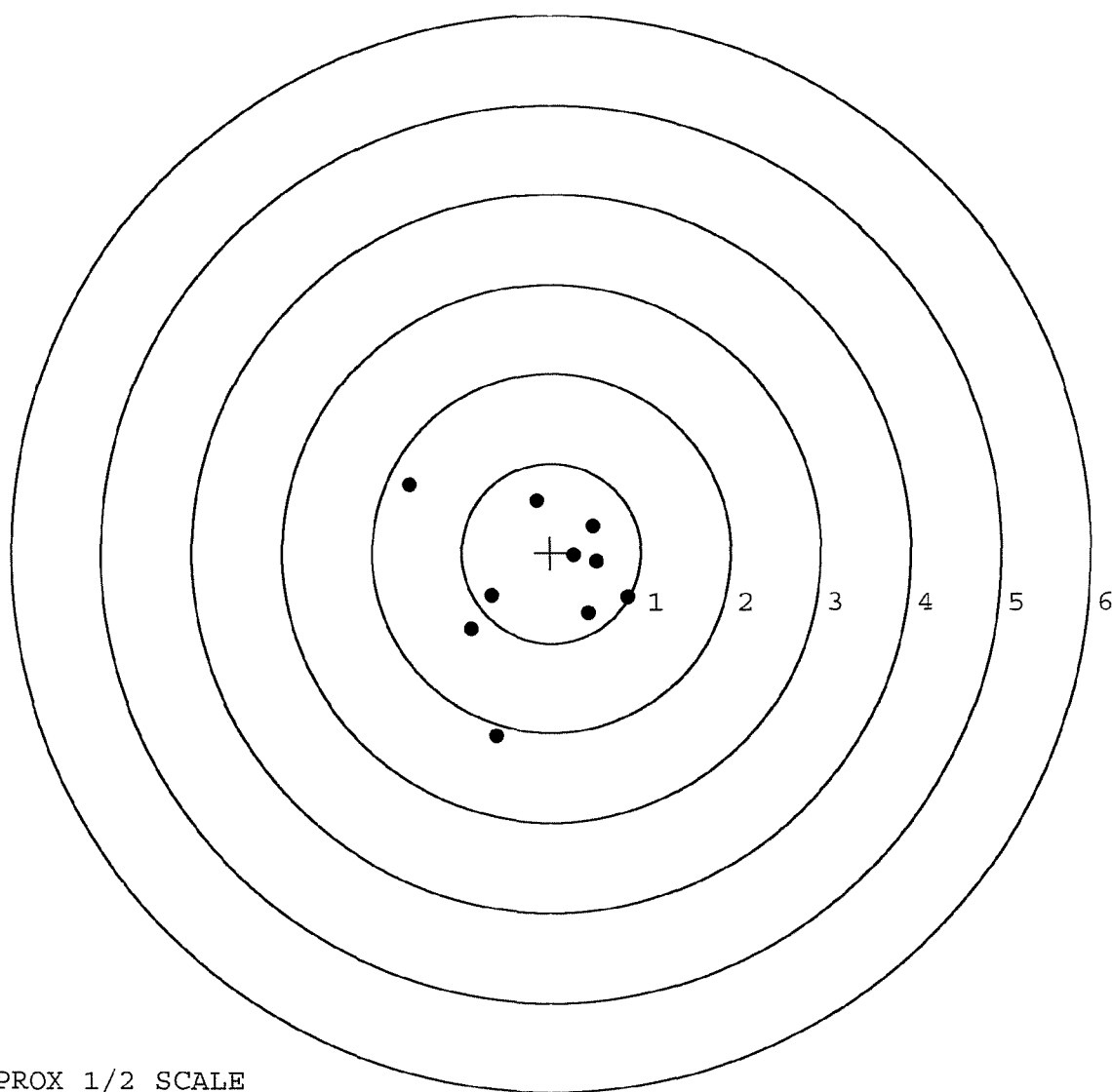
MAX RADIUS: 1.805

MEAN RADIUS: 0.968

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92543		
SERIAL NUMBER	C6523516		
LOG-IN DATE	2-7-05 2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-14-05	RTZ
560 A	RE-BARREL	3-17-05	RTZ
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTZ
600	PROOF	3-21-05	AC
605	CHECK HEADSPACE	3-21-05	AC
610	DIS-ASSEMBLE GUN	3-21-05	RTZ
612	MAGNAFLUX	3-21-05	
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3-29	AC
620	APPLY COATINGS	4/5	AC
625 A	FINAL ASSEMBLY	4-12-05	RTZ
B	TRIGGER PULL TEST	4-14-05	AC
C	SAFETY "ON" FORCE	4-14-05	AC
D	SAFETY "OFF" FORCE	4-14-05	AC
E	FIRING PIN INDENT	4-14-05	AC
640	TARGET	4-13-05	TRW
655	FINAL INSPECT	4-14-05	AC
660	PACK	4-21-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700TM H24

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

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

SERIAL NO. C6523516

ORDER NO. 5716

Ø1



5716 C6523516

UPC



0 47700 25716 7

H 3.2

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523516

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/2/90	Kd
600	Proof		10/2/90	Kd
607	Check Headspace		10/2/90	Kd
610	Dis-assemble Gun		10/2/90	Kd
612	Magnaflux Barrel Action		10/5/90	KR
	Magnaflux Bolt		10/5/90	KR
615	Rollmark Caliber		10/5/90	GL
617	Drill and Tap Sight Holes		10/8/90	LB
618	Polish Barrel <i>RB</i>		10/9/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/21/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	WB
	C) Inspect Ejector Hole for Chamfer		10/21/90	WB
	D) Oil Firing Pin Ass'y		10/21/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		10/25/90	JA

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4	10/26/90	WB		
	G) Safety Off Force	2 1/4	2 1/4	2 1/4	10/26/90	WB		
	H) Trigger Pull Test & Retainability				10/25/90	JH		
	I) Firing Pin Indent	1022	0715	0215	10/26/90	WB		
	J) Assemble Stock				10/26/90	KA		
	K) Assemble Swivel Studs				11-20-90	JS		
	L) Attach Front and Rear Sight Assemblies				10/26/90	KA		
	M) Iron Sight Alignment				10/26/90	KA		
	N) Detach Front & Rear Sights & place in numbered container				10/26/90	KA		
	O) Attach Scope to Rifle				10/26/90	KA		
	P) Detach & Attach Scope 20 Times				10/26/90	KA		
640	Gallery Target & Test				10-27-90	LT		
	A) Time				10-27-90	KT		
	B) Malfunctions				10-27-90	KT		
	C) Pierced Primers				10-27-90	KT		
	D) Optical Clarity of Scope				10-27-90	KT		
645	Inspect for Live Ammo				10-27-90	KT		
655	Final Inspection				11-20-90	JS		
	A) Headspace				11-20-90	JS		
	B) Trigger Pull	280	282	290	274	274	11-20-90	JS
	C) Function						11-20-90	JS
660	Pack						12-18-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO C6523516

DATE 10/25/90

TESTER JK

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.22	2.45	2.27	2.80	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.51	2.31	2.82	
PULL #3	2.45	2.22	2.30	2.90	
PULL #4	2.39	2.37	2.28	2.74	
PULL #5	2.51	2.49	2.29	2.77	
TOTAL	12.00	12.04	11.45		
AVG.	2.4	2.408	2.29		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.50		
PULL #2	3.44	3.32		
PULL #3	3.40	3.53		
PULL #4	3.36	3.51		
PULL #5	3.49	3.44		
TOTAL	16.9	17.3		
AVG.	3.38	3.46		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.33		4.26
PULL #2	4.18	4.11		4.31
PULL #3	4.41	4.26		4.35
PULL #4	4.18	4.05		4.27
PULL #5	4.34	4.20		4.10
TOTAL	21.23	20.95		21.29
AVG.	4.246	4.19		4.258

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523516
27 Oct 1990

CENTROIDAL DISTANCES

Ø TO	1	.243742
1 TO	2	.334527
1 TO	3	.268939
1 TO	4	.322281
1 TO	5	.366749

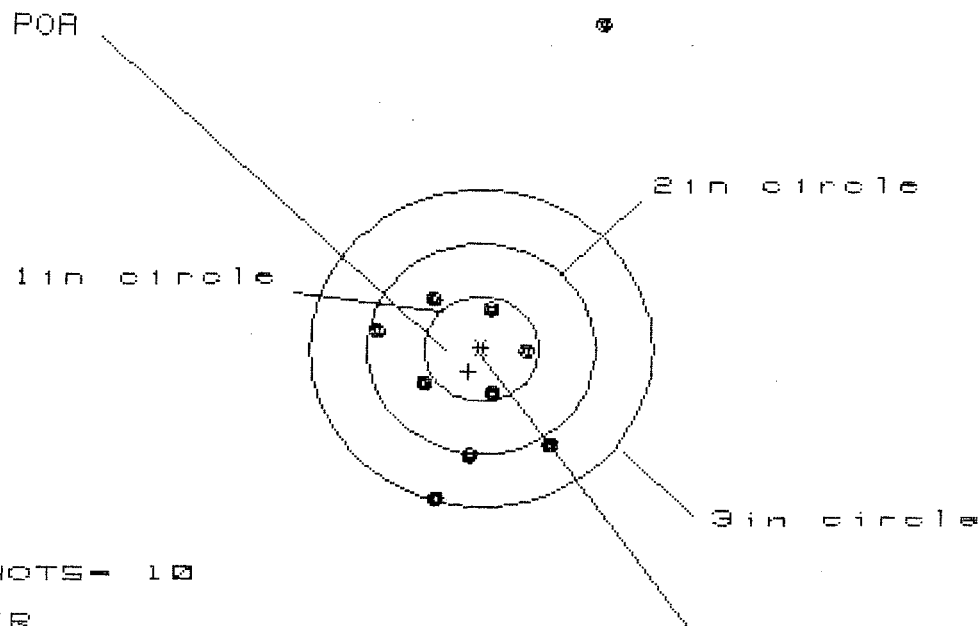
! <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0322
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0042
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0324728
THE AMR FOR THIS RIFLE IS: .9818

27 Oct 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6523516

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.978

VS= 4.512

GS= 4.750

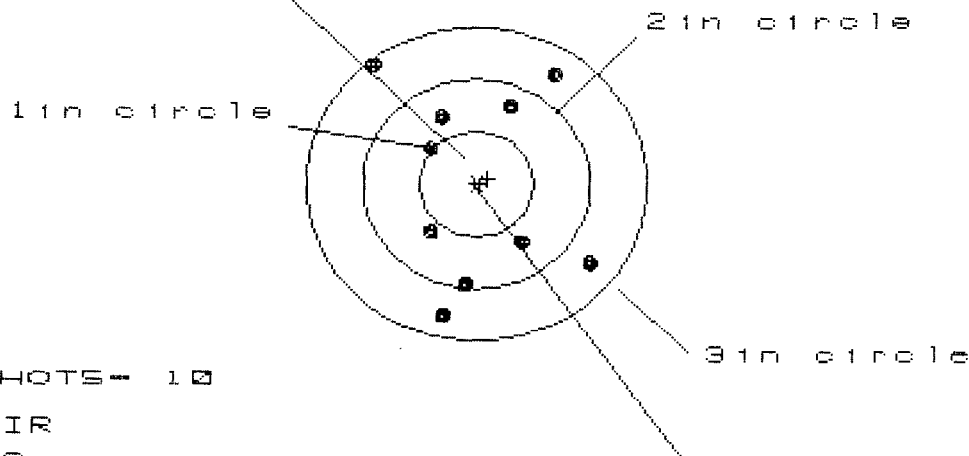
PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.112	.674	.643
MINIMUM X	:	-.866	-.743	-.774
MAXIMUM Y	:	3.063	.777	.639
MINIMUM Y	:	-1.449	-1.109	-.794
CENTROID X	:	.111	-.012	.019
CENTROID Y	:	.217	-.123	.015
POA TO CENTROID in.	:	.244	.124	.024
MIN RADIUS	:	.428	.267	.318
MEAN RADIUS	:	1.026	.728	.666
MAX RADIUS	:	3.259	1.136	.977
HORIZONTAL SPREAD	:	1.978	1.417	1.417
VERTICAL SPREAD	:	4.512	1.886	1.433
EXTREME SPREAD	:	4.750	1.930	1.785
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

27 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523516

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 10

HS= 1.934

VS= 2.442

GS= 2.719

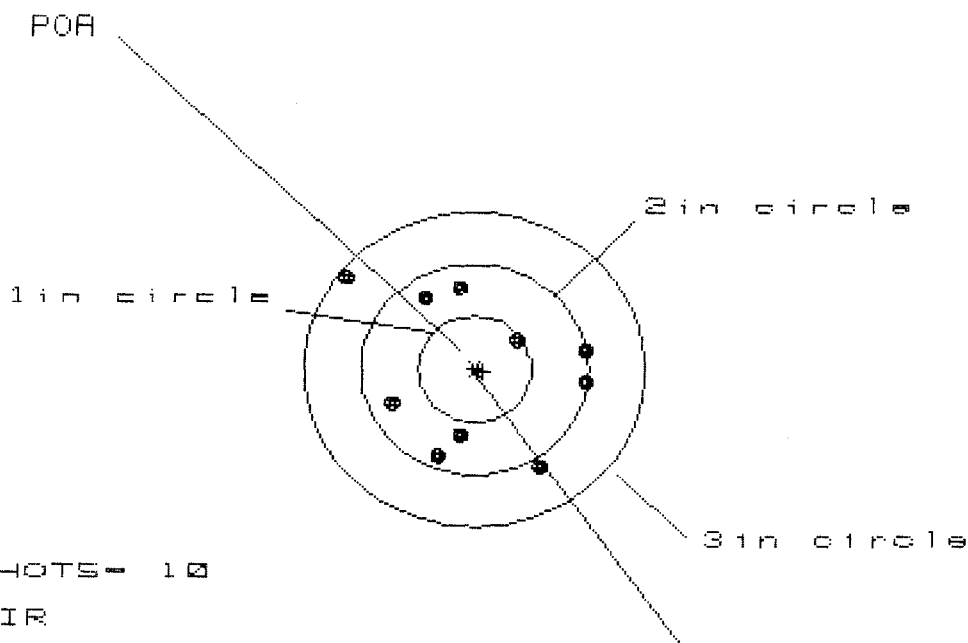
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.016	.914	.863
MINIMUM X	:	-.918	-.468	-.519
MAXIMUM Y	:	1.156	1.162	1.017
MINIMUM Y	:	-1.286	-1.158	-.927
CENTROID X	:	-.097	.005	.056
CENTROID Y	:	-.045	-.173	-.028
POA TO CENTROID in.	:	.106	.173	.063
MIN RADIUS	:	.528	.511	.619
MEAN RADIUS	:	.953	.888	.843
MAX RADIUS	:	1.476	1.298	1.158
HORIZONTAL SPREAD	:	1.934	1.382	1.382
VERTICAL SPREAD	:	2.442	2.320	1.944
EXTREME SPREAD	:	2.719	2.520	2.087
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

27 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523516

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 2.149

VS= 1.713

GS= 2.420

CENTROID *

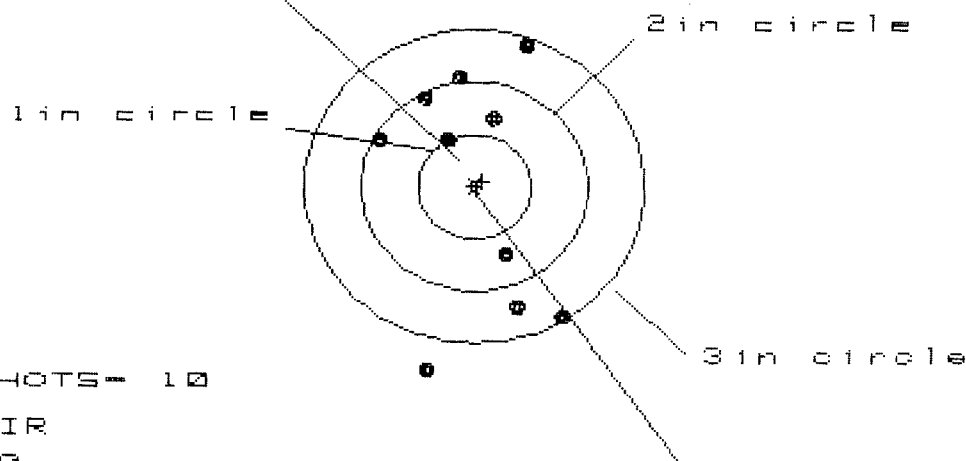
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.003	.876	.931
MINIMUM X	:	-1.146	-.840	-.785
MAXIMUM Y	:	.840	.888	.790
MINIMUM Y	:	-.873	-.780	-.816
CENTROID X	:	-.071	.056	.001
CENTROID Y	:	.019	-.074	.024
POA TO CENTROID in.	:	.074	.093	.024
MIN RADIUS	:	.434	.423	.378
MEAN RADIUS	:	.869	.795	.775
MAX RADIUS	:	1.420	.932	.953
HORIZONTAL SPREAD	:	2.149	1.716	1.716
VERTICAL SPREAD	:	1.713	1.668	1.606
EXTREME SPREAD	:	2.420	1.816	1.809
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

27 Oct 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C6523516

CENTERFIRE PATTERNS # 4

POA



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

HS = 1.644

VS = 3.076

GS = 3.202

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.803	.755	.502
MINIMUM X	:	-.841	-.889	-.795
MAXIMUM Y	:	1.372	1.183	1.006
MINIMUM Y	:	-1.704	-1.410	-1.466
CENTROID X	:	-.068	-.020	-.114
CENTROID Y	:	-.051	.138	.315
POA TO CENTROID in.	:	.085	.140	.335
MIN RADIUS	:	.505	.370	.183
MEAN RADIUS	:	1.060	.939	.787
MAX RADIUS	:	1.758	1.600	1.522
HORIZONTAL SPREAD	:	1.644	1.644	1.297
VERTICAL SPREAD	:	3.076	2.593	2.472
EXTREME SPREAD	:	3.202	2.616	2.474
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

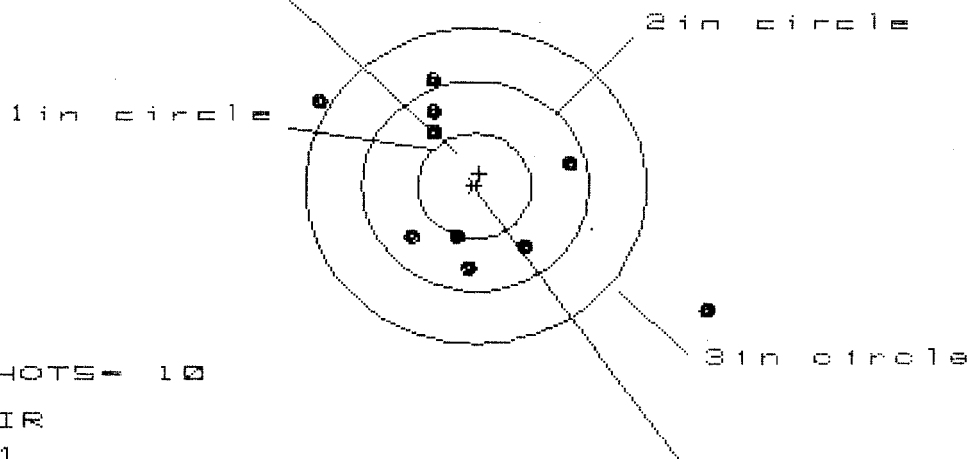
27 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523516

CENTERFIRE PATTERNS

5

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 8

HS= 3.364

VS= 2.130

GS= 3.912

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.005	1.083	.941
MINIMUM X	:	-1.359	-1.136	-.478
MAXIMUM Y	:	.988	.861	.952
MINIMUM Y	:	-1.142	-.871	-.780
CENTROID X	:	-.036	-.259	-.117
CENTROID Y	:	-.119	.008	-.083
POA TO CENTROID in.	:	.124	.259	.143
MIN RADIUS	:	.476	.444	.485
MEAN RADIUS	:	1.001	.831	.757
MAX RADIUS	:	2.308	1.349	.997
HORIZONTAL SPREAD	:	3.364	2.219	1.419
VERTICAL SPREAD	:	2.130	1.732	1.732
EXTREME SPREAD	:	3.912	2.316	1.762
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	