

C6225318

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Remington®

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

DUPONT

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

MODEL 700™ H24

SERIAL NO. C6225318

ORDER NO. 5716

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

Ø1



5716 C6225318

UPC



0 47700 25716 7

Guns Services Repair & Estimate System																
File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSB Tools Reports Table Maintenance System Maintenance Help																
Repair Inquiry																
Repair Number: RE00049182		Serial: C6225318 Model: 700 Center Fire Caliber: 7.62 NATO M24 SWS		Repairman:												
Verify Repair				Status:		Closed 7/12/02 10:32:01 AM										
Address Information																
Customer: Received From				Return To: Received From												
Name: JOINT TRANSPORT DIV				JOINT TRANSPORT DIV												
Address 1: ATTNATZH JTM M				ATTNATZH JTM M												
Address 2: BOX 339500 MS 53 PD Box:				BOX 339500 MS 53 PD Box:												
City: FORT LEWIS				FORT LEWIS												
State: WA Zip Code: 98433 Country: US				State: WA Zip Code: 98433 Country: US												
FFL: ☐ ☐ ☐ ☐ ☐ ☐																
Contact / Condition		Problems		Estimate		History / Status										
Shipping / Billing																
Contact Information		Received Condition		Accessories Received												
Phone:		Fair		<table border="1"><thead><tr><th>Code</th><th>Desc.</th><th>Qty</th></tr></thead><tbody><tr><td>A007</td><td>With Studs</td><td>3</td></tr><tr><td>X001</td><td>Fr. & Rear bases</td><td>2</td></tr></tbody></table>				Code	Desc.	Qty	A007	With Studs	3	X001	Fr. & Rear bases	2
Code	Desc.	Qty														
A007	With Studs	3														
X001	Fr. & Rear bases	2														
Fax:		Condition Notes:														
Email:		CSB Notes:														
Comments:																
Repair Search				Refresh		Close										
Inqlet 7/12/02 11:04 AM CAPS NUM INS SCRL																
Start [Icons] 11:04 AM																

Serial Number: C6225318

Model: 700



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225318.___0

FILE DATE AND TIME: 08/01/2002 22:16

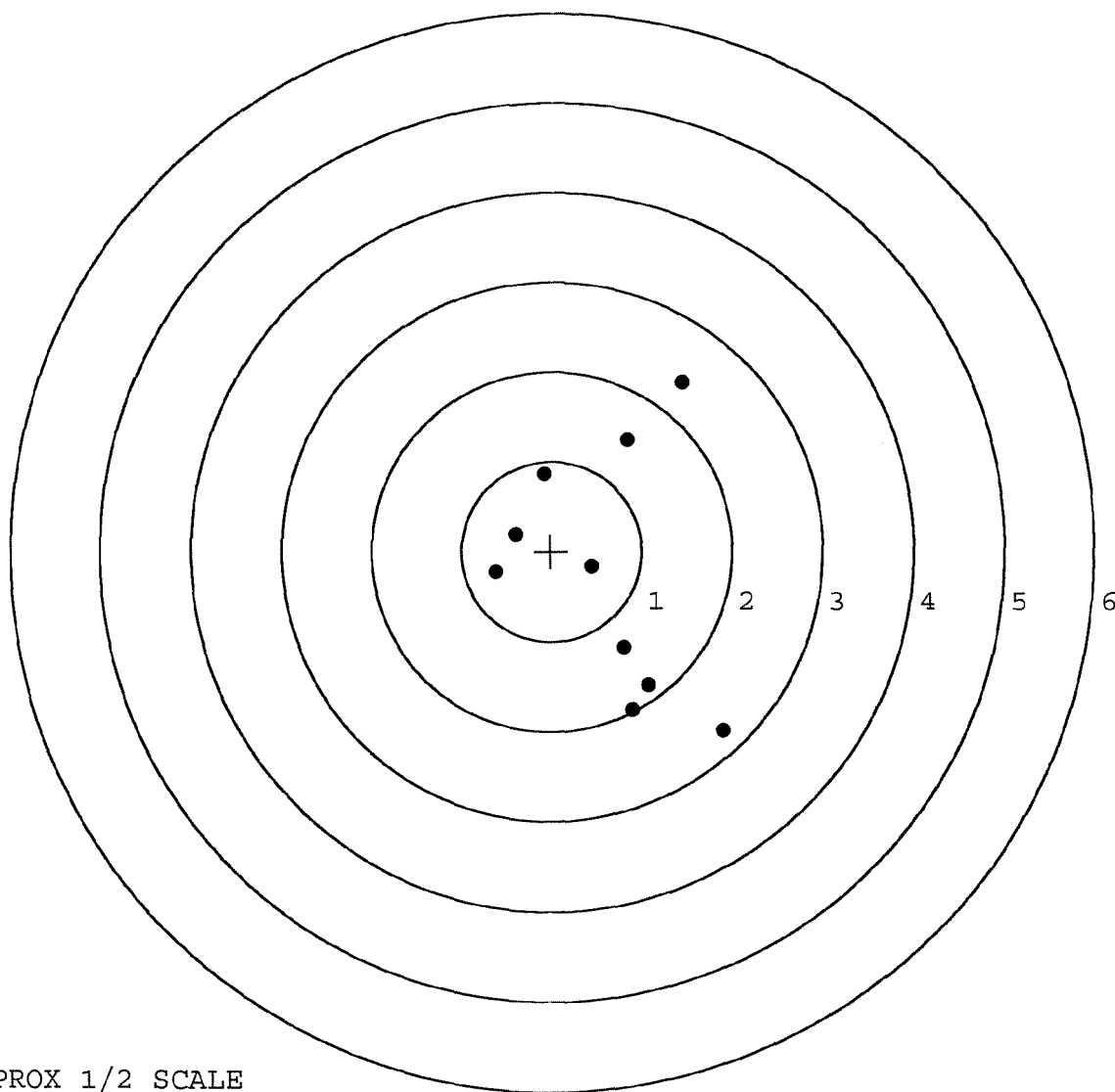
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.144
The Average Y Centroid of the Five Target Set:	-0.091
The Average Point of Impact of the Five Target Set:	0.170
The Average Mean Radius of the Five Target Set:	0.660
The Distance from POA to Centroid Target #1:	0.683
The Distance from Centroid Target #2 to Centroid Target #1:	0.672
The Distance from Centroid Target #3 to Centroid Target #1:	0.720
The Distance from Centroid Target #4 to Centroid Target #1:	0.597
The Distance from Centroid Target #5 to Centroid Target #1:	0.611

SERIAL NUMBER: C6225318. __0
TARGET NUMBER: 1
FILE DATE: 08/01/2002
FILE TIME: 22:16

POINT#	X	Y
1:	1.910	-1.996
2:	0.908	-1.765
3:	1.080	-1.492
4:	0.808	-1.067
5:	0.447	-0.173
6:	-0.616	-0.240
7:	-0.395	0.187
8:	-0.086	0.857
9:	0.840	1.242
10:	1.438	1.884

X CENTROID: 0.633
Y CENTROID: -0.256
POA TO CENTROID: 0.683
HORZ SPREAD: 2.526
VERT SPREAD: 3.880
GROUP SPREAD: 3.909
MIN RADIUS: 0.204
MAX RADIUS: 2.287
MEAN RADIUS: 1.353
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 2
in 3 IN DIAMETER: 6



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225318. 0

TARGET NUMBER: 2

FILE DATE: 08/01/2002

FILE TIME: 22:16

POINT#	X	Y
1:	-1.273	-0.231
2:	0.103	-0.199
3:	0.337	-0.162
4:	0.413	0.042
5:	0.524	-0.117
6:	0.289	0.544
7:	0.108	0.363
8:	-0.157	0.275

X CENTROID: 0.043

Y CENTROID: 0.064

POA TO CENTROID: 0.077

HORZ SPREAD: 1.797

VERT SPREAD: 0.775

GROUP SPREAD: 1.801

MIN RADIUS: 0.270

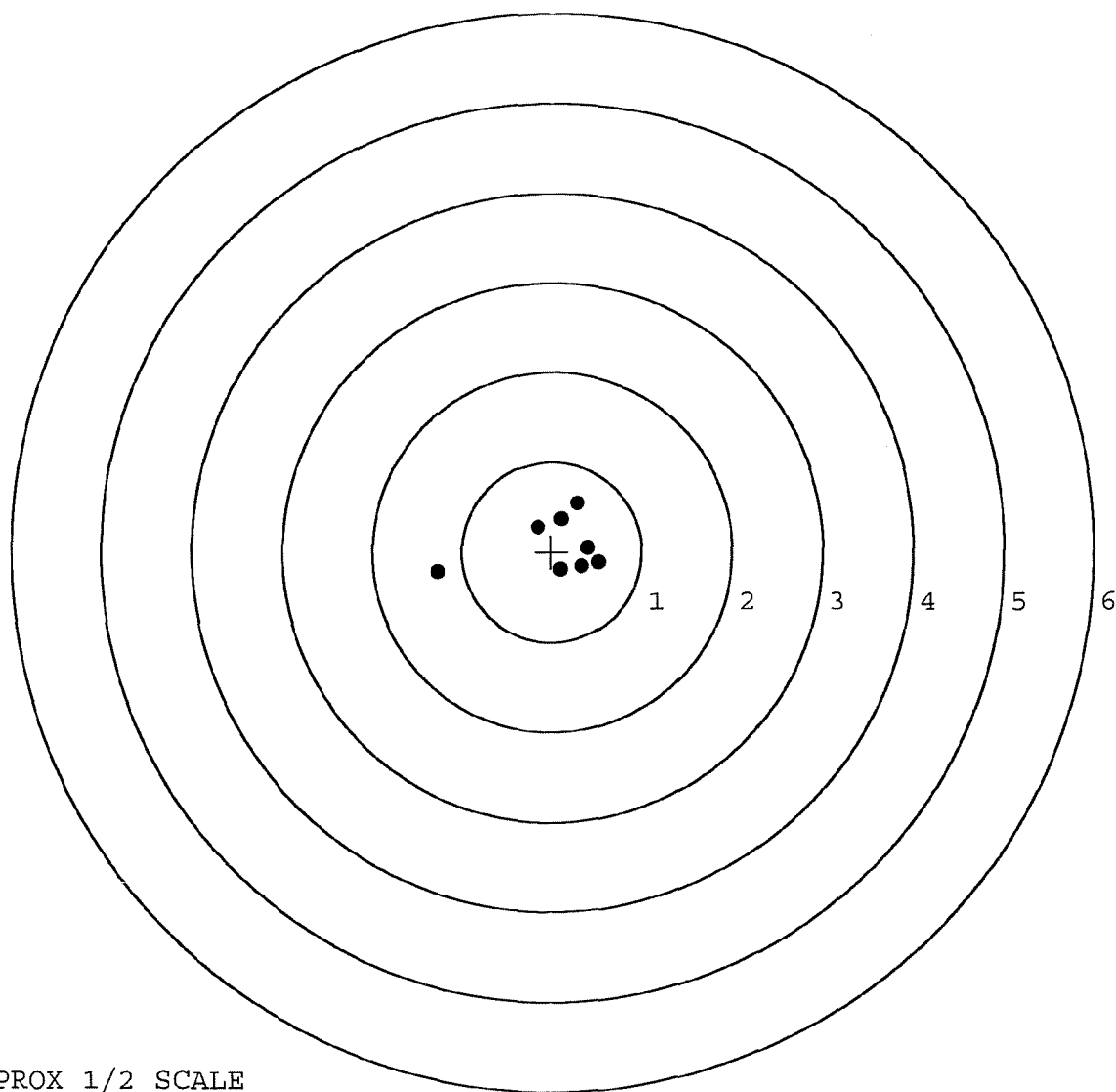
MAX RADIUS: 1.349

MEAN RADIUS: 0.501

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8

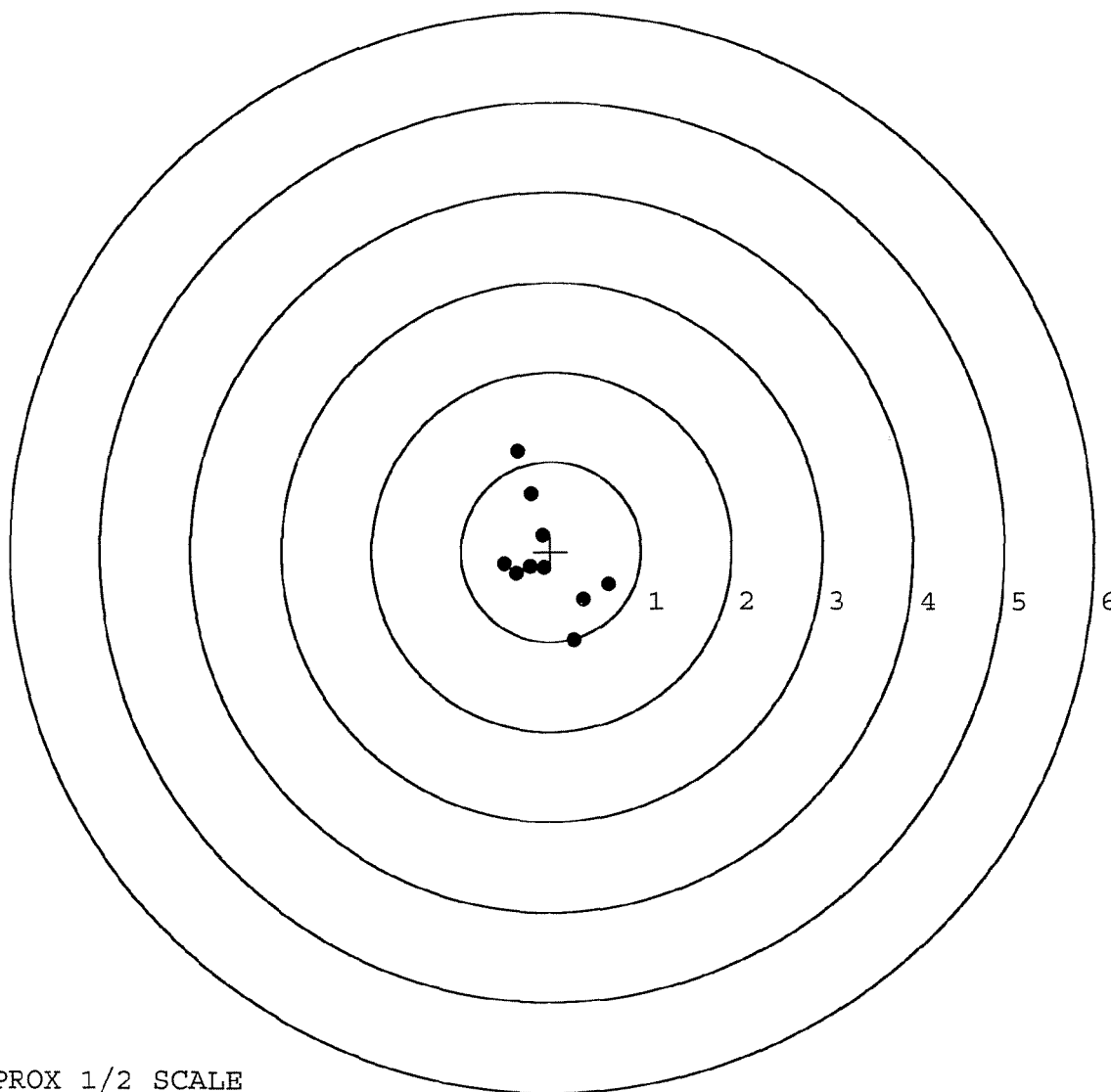


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225318.___0
TARGET NUMBER: 3
FILE DATE: 08/01/2002
FILE TIME: 22:16

X CENTROID: -0.062
Y CENTROID: -0.068
POA TO CENTROID: 0.092
HORZ SPREAD: 1.165
VERT SPREAD: 2.104
GROUP SPREAD: 2.200
MIN RADIUS: 0.115
MAX RADIUS: 1.222
MEAN RADIUS: 0.573
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.265	-0.992
2:	0.366	-0.539
3:	0.646	-0.362
4:	-0.075	-0.183
5:	-0.227	-0.171
6:	-0.383	-0.242
7:	-0.519	-0.136
8:	-0.091	0.183
9:	-0.223	0.645
10:	-0.377	1.112

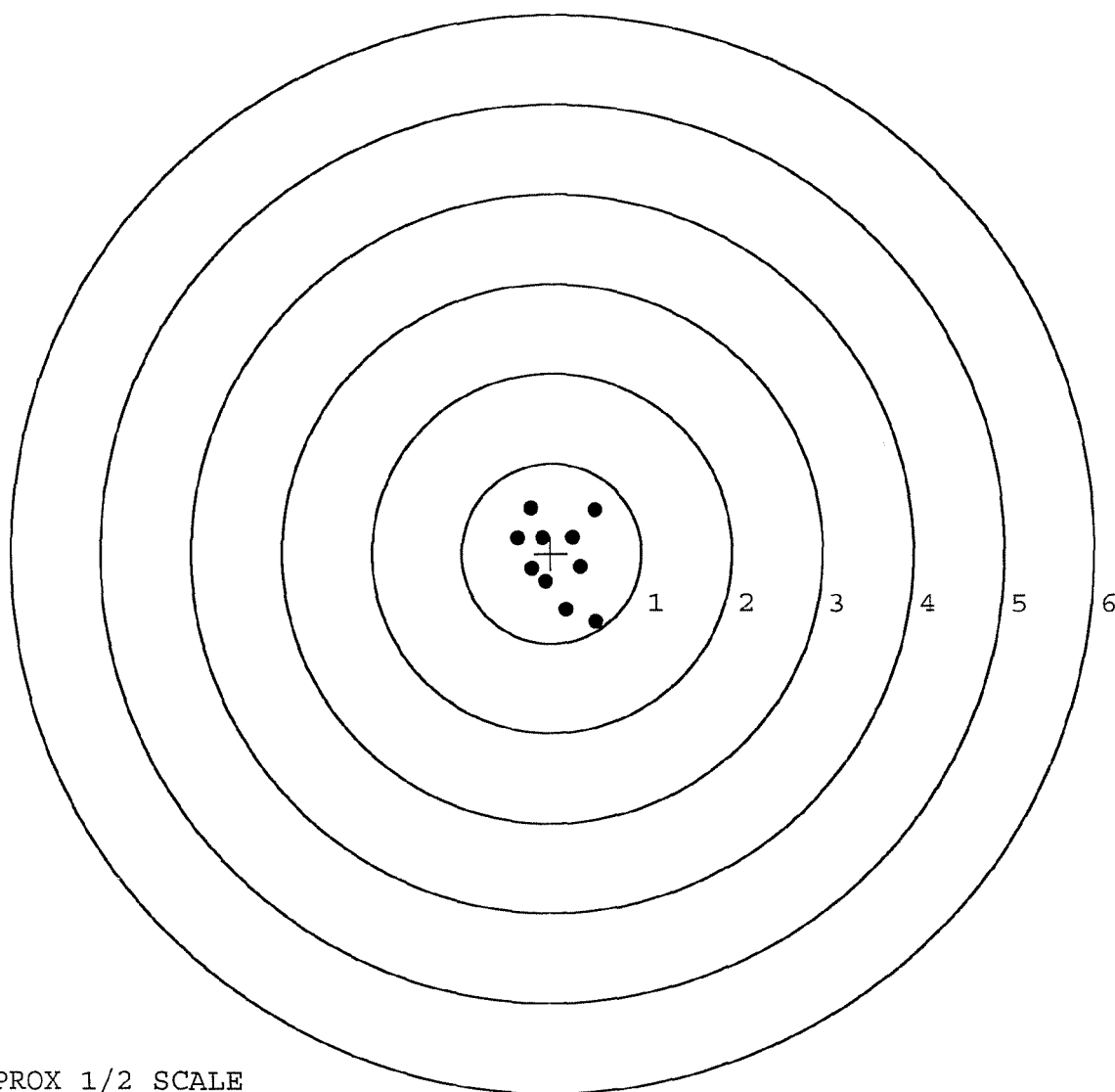


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225318. __0
TARGET NUMBER: 4
FILE DATE: 08/01/2002
FILE TIME: 22:16

X CENTROID: 0.073
Y CENTROID: -0.050
POA TO CENTROID: 0.088
HORZ SPREAD: 0.873
VERT SPREAD: 1.262
GROUP SPREAD: 1.455
MIN RADIUS: 0.273
MAX RADIUS: 0.827
MEAN RADIUS: 0.467
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.495	-0.761
2:	0.171	-0.624
3:	0.326	-0.152
4:	-0.061	-0.316
5:	-0.218	-0.167
6:	-0.378	0.179
7:	-0.095	0.177
8:	-0.229	0.501
9:	0.483	0.481
10:	0.238	0.186

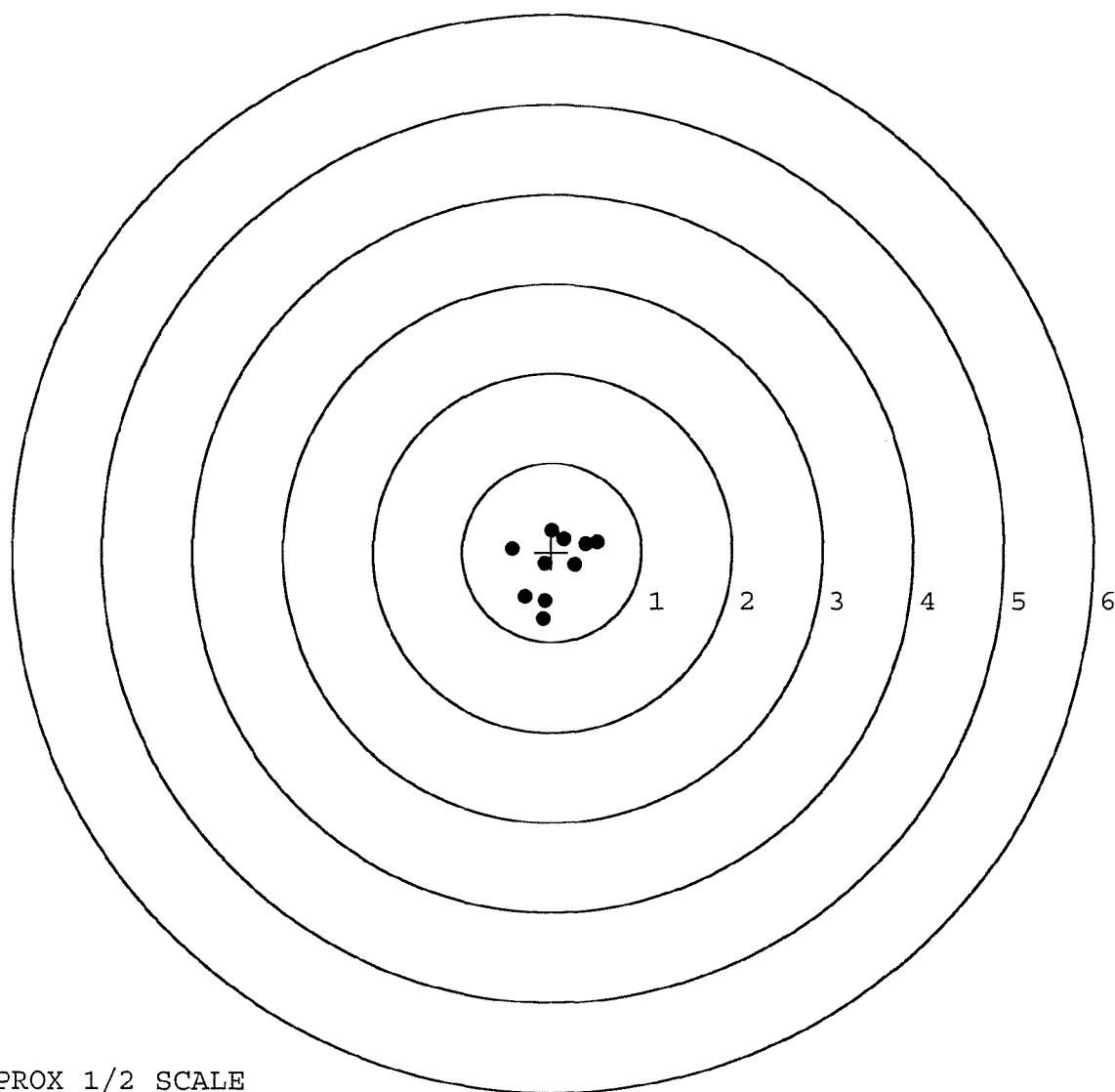


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225318.___0
TARGET NUMBER: 5
FILE DATE: 08/01/2002
FILE TIME: 22:16

X CENTROID: 0.033
Y CENTROID: -0.142
POA TO CENTROID: 0.146
HORZ SPREAD: 0.947
VERT SPREAD: 0.993
GROUP SPREAD: 1.060
MIN RADIUS: 0.112
MAX RADIUS: 0.621
MEAN RADIUS: 0.404
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.098	-0.750
2:	-0.075	-0.549
3:	-0.295	-0.501
4:	-0.436	0.040
5:	0.009	0.243
6:	0.511	0.117
7:	0.384	0.095
8:	0.264	-0.136
9:	0.142	0.149
10:	-0.079	-0.133



TARGET APPROX 1/2 SCALE

Final Inspection

In: C6225348

DATE REC'D: 7/12/02

DATE RET'D: 8/1/02

EDITOR: R

Item:

Barrel Assy.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

Scope Assy.

- ☒ Scope
- ☒ Scope Rings
- ☒ Mounting Screws
- ☒ Mounting Base
- ☒ Screws
- ☒ Finish
- ☒ Looseness
- ☒ Clarity

Misc.

- ☒ DD-250
- ☒ BAR CODE
- ☒ PACKAGING

Item:

Stock Assy.

- ☒ Stock
- ☒ Spring Swivel Studs
- ☒ ADJUSTABLE BUTT PLATE
- ☒ Lock Nuts
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

Systems Case

- ☒ Scope Case
- ☒ Iron SIGHTS
- ☒ Deployment Kit

Trigger

- ☒ SAFETY OPERATION
- ☒ SET
- ☐

Comments: _____

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	49182		
SERIAL NUMBER	C6225318		
LOG-IN DATE	7/11/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/15/02	RL
560 A	RE-BARREL	7/15/02	OA
B	DRILL AND TAP	7-17-02	AC
575	ASSEMBLE	7/19/02	RL
600	PROOF	7-20-02	AC
605	CHECK HEADSPACE	7/22/02	RL
610	DIS-ASSEMBLE GUN	7/22/02	RL
612	MAGNAFLUX	MAGNA-FLUX INSPECTED	
615	ROLLMARK CALIBER	JUL 23 2002 7/23/02	TUD
618	ROTO-BLAST	7/25/02	KO
620	APPLY COATINGS	7-26	TA
625 A	FINAL ASSEMBLY	7/30/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	7-31-02	RW
655	FINAL INSPECT	8-1-02	RL
660	PACK	8-1-02	OA
		SHIP DATE	
	QAR INSPECTION DATE		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225318

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	89	RW
600	Proof	4 12	89	RW
607	Check Headspace	4 12	89	RW
610	Dis-assemble Gun	4 12	89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4/15/89	GS.
617	Drill and Tap Sight Holes	4 14	89	LB
618	Polish Barrel RB	4 14	89	BT
620	Apply Coatings (Barrel Action)		4/19/89	TS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/4/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/4/89	RW
	C) Inspect Ejector Hole for Chamfer		5/4/89	RW
	D) Oil Firing Pin Ass'y		5/4/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/9/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/9/89	JU
	G) Safety Off Force	3	3	3			5/9/89	JU
	H) Trigger Pull Test & Retainability						5/9/89	WB
	I) Firing Pin Indent	.020	.021	.020			5/9/89	JU
	J) Assemble Stock						5/10/89	RW
	K) Assemble Swivel Studs						15 May 89	JD
	L) Attach Front and Rear Sight Assemblies						5/10/89	RW
	M) Iron Sight Alignment						5/10/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/10/89	RW
	O) Attach Scope to Rifle						5/10/89	JU
	P) Detach & Attach Scope 20 Times						5/10/89	JU
640	Gallery Target & Test	54 R	98 L				5/11/89	DA
	A) Time						5/11/89	DA
	B) Malfunctions						5/11/89	DA
	C) Pierced Primers						5/11/89	DA
	D) Optical Clarity of Scope						5/11/89	DA
645	Inspect for Live Ammo						5/11/89	DA
655	Final Inspection							
	A) Headspace						15 May 89	JD
	B) Trigger Pull	2.71	2.71	2.74	2.78	2.79	15 May 89	JD
	C) Function						15 May 89	JD
660	Pack						21 June 89	JD

SWS TRIGGER PULL TEST

5318

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. _____

DATE 4-3-90TESTER 211

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.37		2.37	MIN. SETTING,
PULL #2	2.52	2.33		2.36	NO AVG. OF 5
PULL #3	2.47	2.34		2.36	READINGS ACCEPT-
PULL #4	2.39	2.38		2.35	ABLE LESS THAN 2#
PULL #5	2.43	2.31		2.38	
TOTAL	12.35	11.73		11.82	
AVG.	2.47	2.346		2.364	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.36		
PULL #2	3.45	3.22		
PULL #3	3.35	3.29		
PULL #4	3.34	3.30		
PULL #5	3.28	3.37		
TOTAL	16.79	16.54		
AVG.	3.358	3.308		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.55		
PULL #2	4.18	4.50		
PULL #3	4.39	4.49		
PULL #4	4.16	4.23		
PULL #5	4.25	4.49		
TOTAL	21.21	22.26		
AVG.	4.242	4.452		

F7

Campbell
Quin

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225318
15 May 1989

CENTROIDAL DISTANCES

0 TO	1	.33568
1 TO	2	.420076
1 TO	3	.724572
1 TO	4	.545809
1 TO	5	.249209

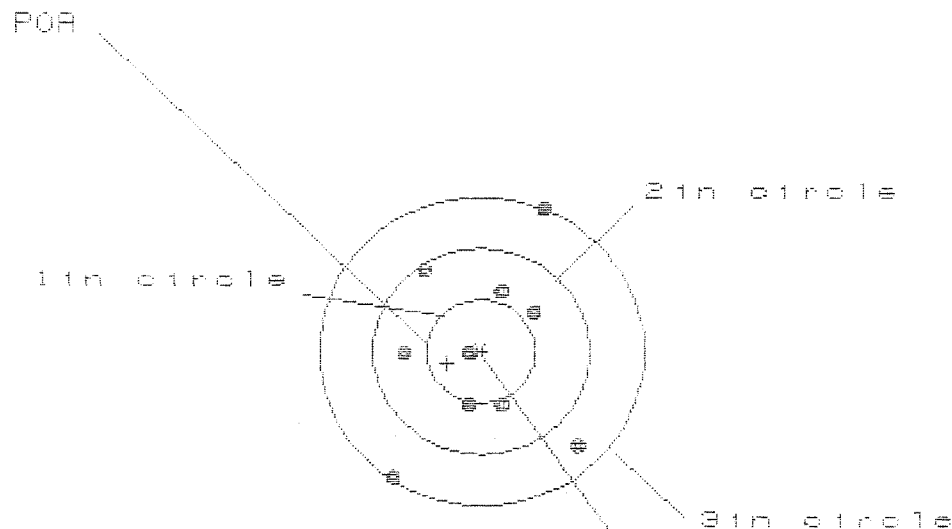
4
5 2 <----POA
3

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1898
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .042
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .194391
THE AMR FOR THIS RIFLE IS: .8762

11 May 1985

FILE:/PATTERNING/CENTERFIRE_PATT/08225318

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 8

HS= 1.774

VS= 2.685

GS= 3.036

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.934	.996	.981
MINIMUM X	-.840	-.776	-.721
MAXIMUM Y	1.423	.987	.849
MINIMUM Y	-1.262	-1.104	-.983
CENTROID X	.315	.251	.348
CENTROID Y	.116	-.042	.096
POA TO CENTROID in.	.336	.254	.361
MIN RADIUS	.155	.184	.189
MEAN RADIUS	.847	.760	.680
MAX RADIUS	1.536	1.349	1.276
HORIZONTAL SPREAD	1.774	1.774	1.622
VERTICAL SPREAD	2.685	2.091	1.752
EXTREME SPREAD	3.036	2.275	2.275
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CS225318

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 2.151

VS= 2.441

GS= 3.201

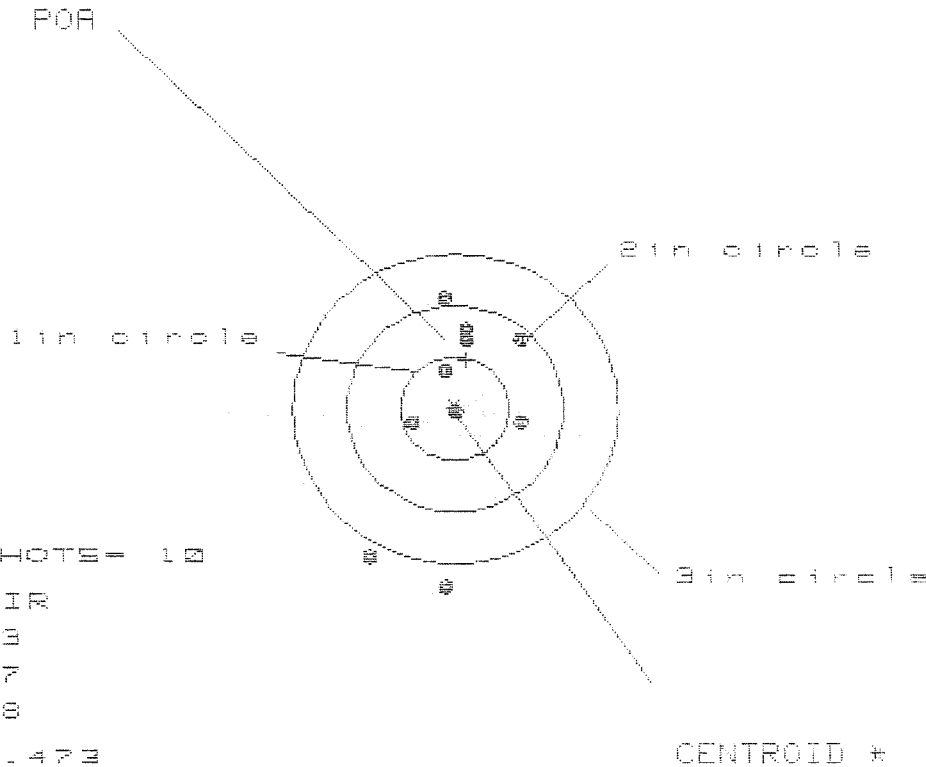
PATTERN # : 2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.209	.985	.884
MINIMUM X	-.942	-.808	-.797
MAXIMUM Y	1.142	.876	.738
MINIMUM Y	-1.299	-1.172	-1.310
CENTROID X	.735	.601	.702
CENTROID Y	.108	-.019	.119
POA TO CENTROID in.	.743	.602	.712
MIN RADIUS	.184	.350	.183
MEAN RADIUS	.913	.836	.737
MAX RADIUS	1.663	1.366	1.314
HORIZONTAL SPREAD	2.151	1.793	1.681
VERTICAL SPREAD	2.441	2.048	2.048
EXTREME SPREAD	3.201	2.329	2.071
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225318

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS = 1.473

VS = 2.820

CS = 2.820

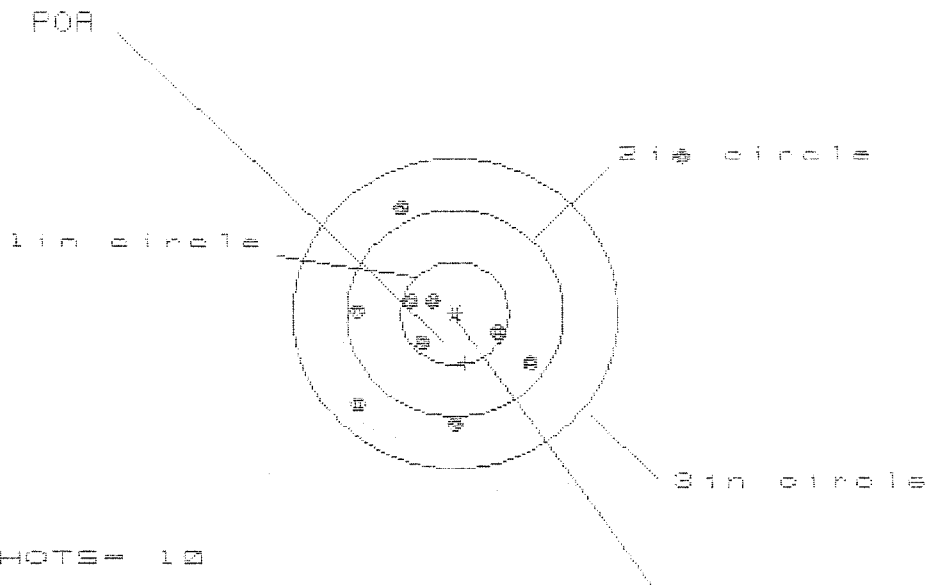
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.639	.627	.521
MINIMUM X	:	-.834	-.846	-.472
MAXIMUM Y	:	1.070	.876	.678
MINIMUM Y	:	-1.750	-1.582	-.534
CENTROID X	:	-.107	-.095	.011
CENTROID Y	:	-.473	-.279	-.081
POA TO CENTROID in.	:	.485	.294	.082
MIN RADIUS	:	.073	.173	.184
MEAN RADIUS	:	.820	.676	.497
MAX RADIUS	:	1.753	1.794	.746
HORIZONTAL SPREAD	:	1.473	1.473	.993
VERTICAL SPREAD	:	2.820	2.458	1.212
EXTREME SPREAD	:	2.820	2.568	1.414
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

11 May 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06225310

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS = 0.040

VS = 2.674

GS = 0.022

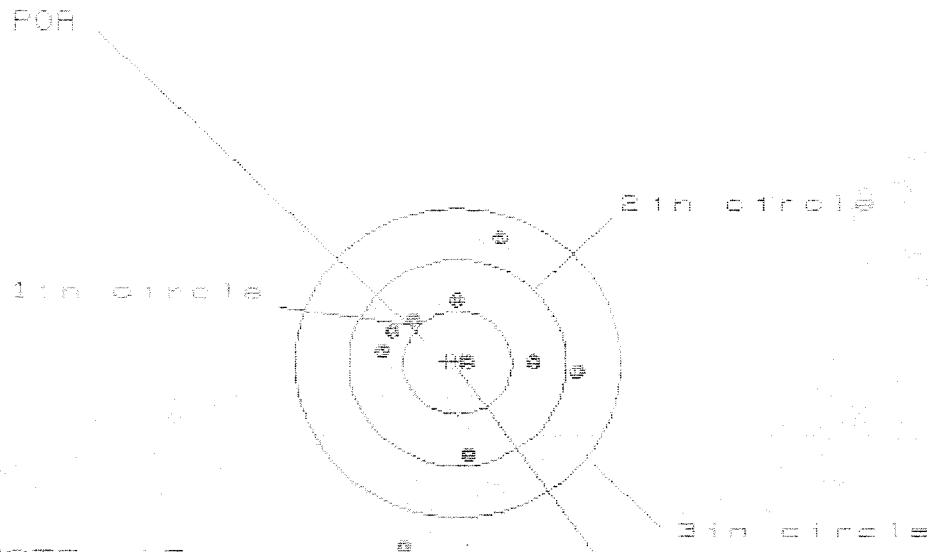
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.121	.935	.849
MINIMUM X	-.922	-.687	-.770
MAXIMUM Y	1.564	1.164	1.071
MINIMUM Y	-1.110	-.936	-1.028
CENTROID X	-.097	-.332	-.246
CENTROID Y	.474	.300	.392
FOR TO CENTROID in.	.484	.448	.463
MIN RADIUS	.211	.128	.193
MEAN RADIUS	.945	.705	.660
MAX RADIUS	2.635	1.195	1.130
HORIZONTAL SPREAD	3.043	1.622	1.620
VERTICAL SPREAD	2.674	2.100	2.100
EXTREME SPREAD	3.922	2.161	2.161
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CS225318

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 2

HS= 1.809

VS= 2.932

GS= 3.066

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.087	1.038	1.071
MINIMUM X	:	-.722	-.779	-.738
MAXIMUM Y	:	1.174	.978	.590
MINIMUM Y	:	-1.758	-1.119	-.996
CENTROID X	:	.103	.160	.119
CENTROID Y	:	-.015	.181	.058
POR TO CENTROID in.	:	.104	.241	.132
MIN RADIUS	:	.086	.142	.055
MEAN RADIUS	:	.056	.722	.674
MAX RADIUS	:	1.831	1.119	1.091
HORIZONTAL SPREAD	:	1.809	1.809	1.809
VERTICAL SPREAD	:	2.932	2.097	1.586
EXTREME SPREAD	:	3.066	2.118	1.833
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	