

C6611817

MODEL 700™ M24

Model **SWS**™

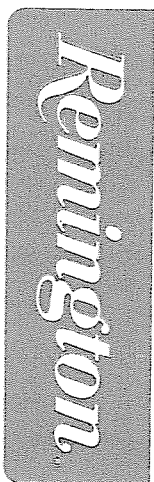
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



X

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Number: **RE00080987**
Serial: C6611817 Model M24 SWS Center Fire
Caliber: 7 62 NATO

Repairman:
Status: Closed 5/18/2004 7:27:43 AM

Verify Repair

Address Information

Customer
Received From

Return To:
Received From

Name: 2125TH GSU

Address 1: BLDG AT 5722

Address 2: ATTN 3 116TH IN CSM McGhee PO Box:

City: FORT BRAGG

State: NC Zip Code: 28310 Country: US

State: NC Zip Code: 28310 Country: US

FFL:

Contact / Condition
Problems
Estimate
History / Status
Shipping / Billing

Contact Information:
Phone: 910 432 7071
Fax:
Email: doc.mcgee@us.army.mil
Comments:

Received Condition:
Fair
Condition Notes:
CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
C000	Frt and Rear Sgt Base	1

Repair Search
Refresh
Close

nagletj 5/18/2004 7:37 AM CAPS NUM INS SCPL

start 5 2

Fort Polk

Serial Number: **C6611817**
Model: **M24 SWS**

RE00080987

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611817.___0
FILE DATE AND TIME: 06/04/2004 06:23

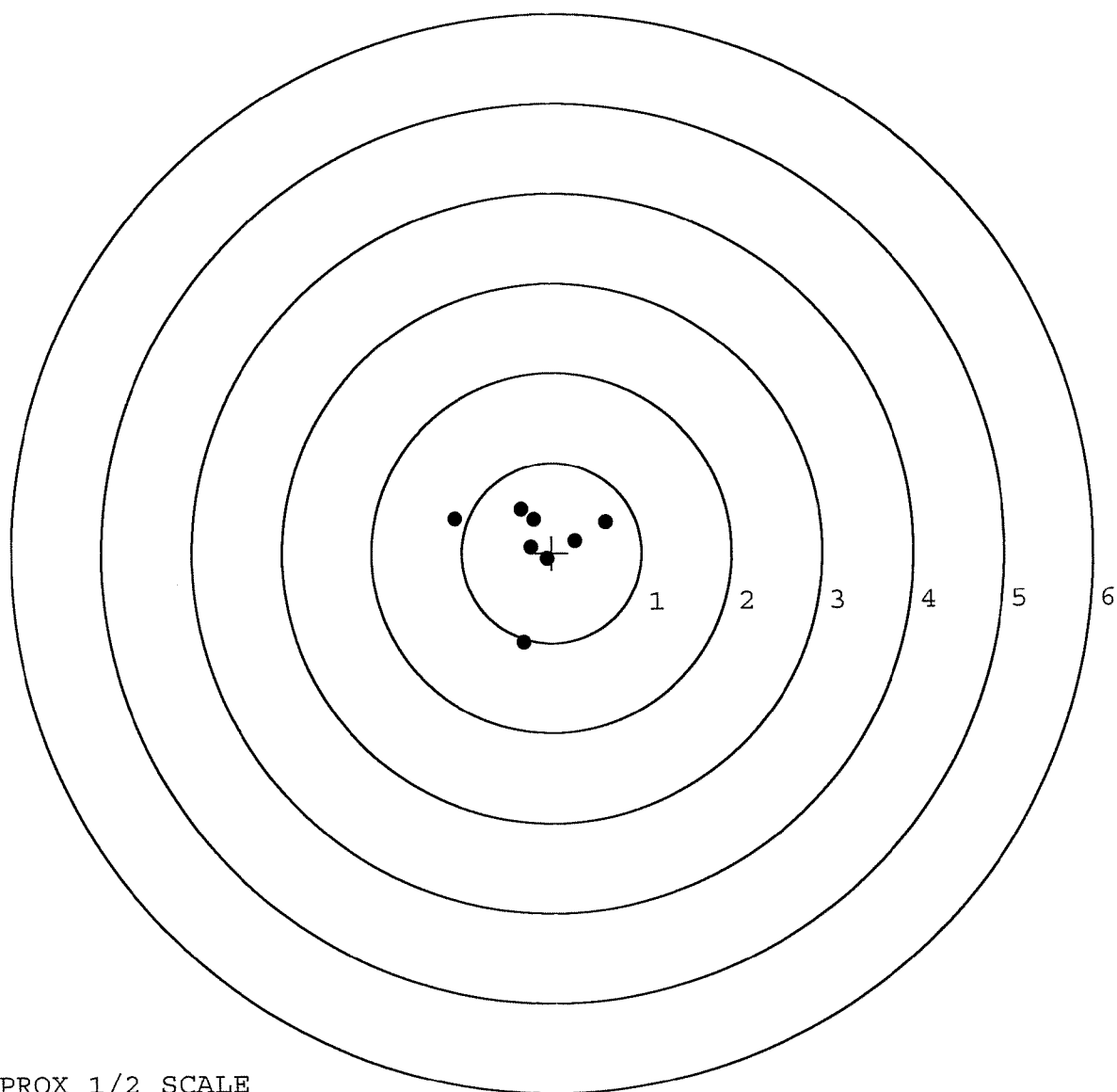
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.125
The Average Y Centroid of the Five Target Set:	0.013
The Average Point of Impact of the Five Target Set:	0.125
The Average Mean Radius of the Five Target Set:	0.577
The Distance from POA to Centroid Target #1:	0.192
The Distance from Centroid Target #2 to Centroid Target #1:	0.336
The Distance from Centroid Target #3 to Centroid Target #1:	0.098
The Distance from Centroid Target #4 to Centroid Target #1:	0.282
The Distance from Centroid Target #5 to Centroid Target #1:	0.060

SERIAL NUMBER: C6611817. __0
TARGET NUMBER: 1
FILE DATE: 06/04/2004
FILE TIME: 06:23

X CENTROID: -0.172
Y CENTROID: 0.087
POA TO CENTROID: 0.192
HORZ SPREAD: 1.683
VERT SPREAD: 1.483
GROUP SPREAD: 1.624
MIN RADIUS: 0.068
MAX RADIUS: 1.094
MEAN RADIUS: 0.535
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.325	-0.997
2:	-1.078	0.383
3:	0.605	0.334
4:	0.261	0.130
5:	-0.054	-0.071
6:	-0.234	0.061
7:	-0.201	0.367
8:	-0.346	0.486

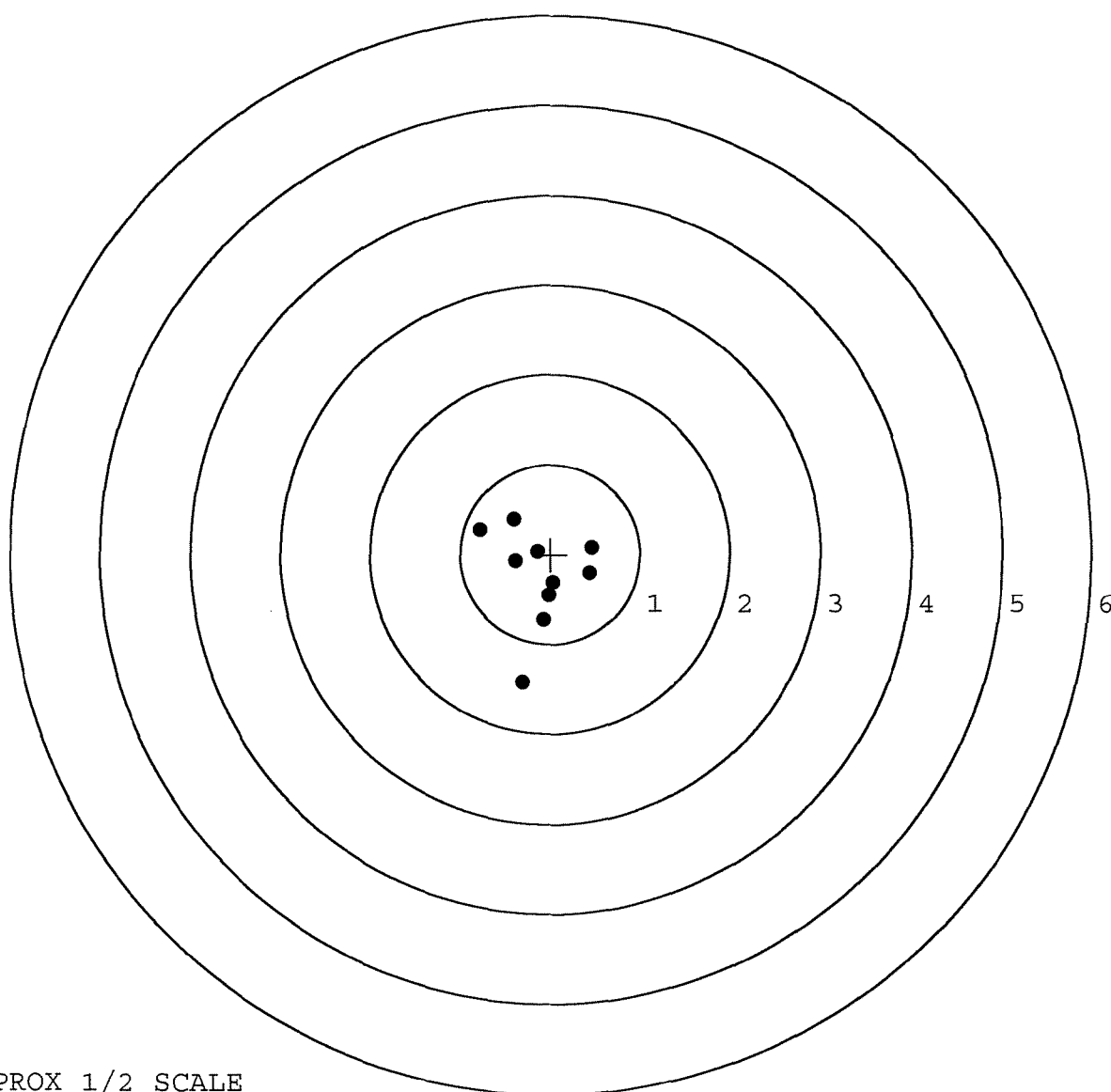


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611817. 0
TARGET NUMBER: 2
FILE DATE: 06/04/2004
FILE TIME: 06:23

X CENTROID: -0.121
Y CENTROID: -0.245
POA TO CENTROID: 0.274
HORZ SPREAD: 1.250
VERT SPREAD: 1.816
GROUP SPREAD: 1.819
MIN RADIUS: 0.166
MAX RADIUS: 1.199
MEAN RADIUS: 0.546
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.465	0.077
2:	0.443	-0.209
3:	-0.785	0.270
4:	-0.412	0.387
5:	-0.392	-0.077
6:	-0.152	0.035
7:	0.029	-0.316
8:	-0.022	-0.457
9:	-0.077	-0.735
10:	-0.311	-1.429



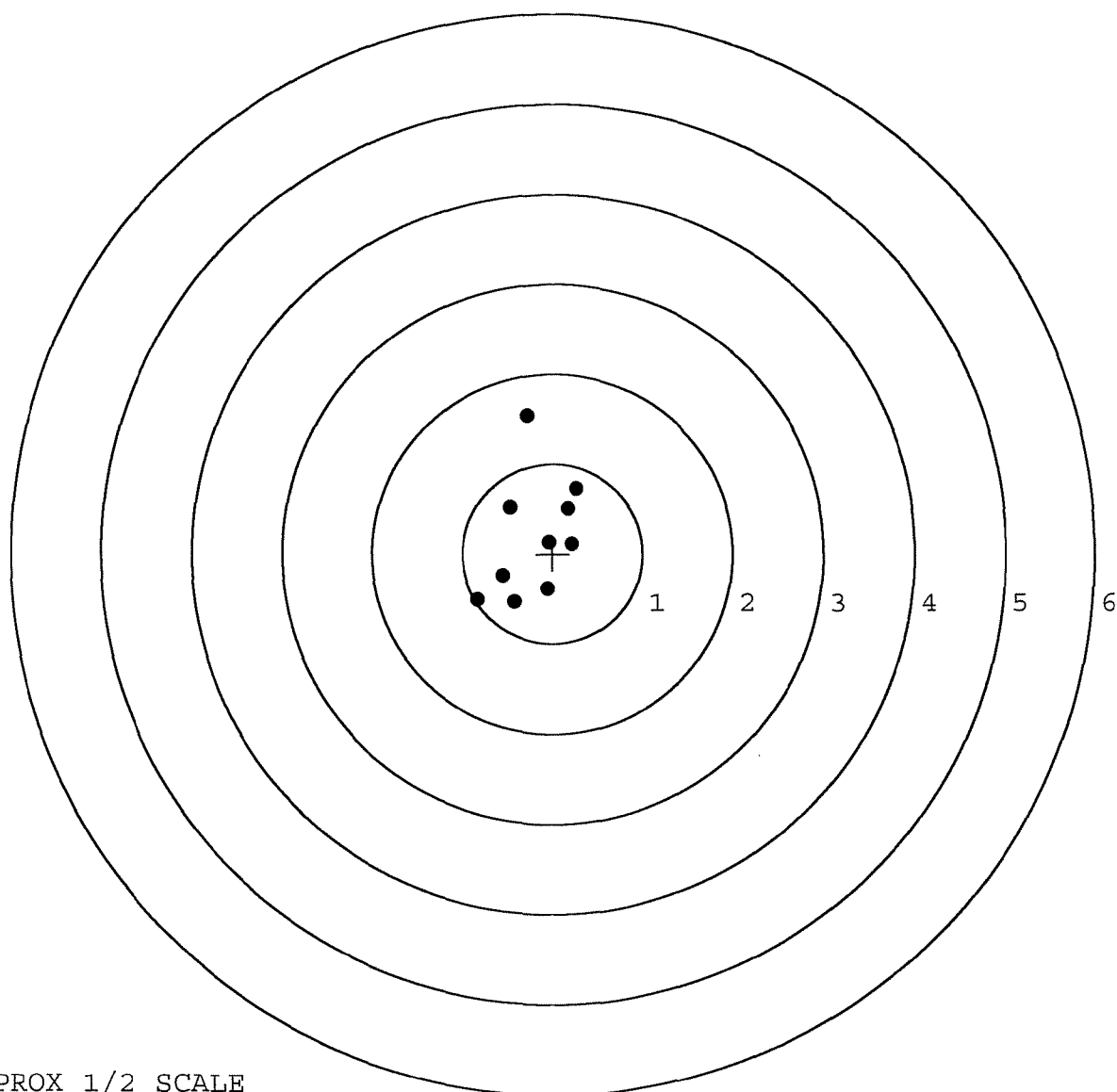
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611817. __0
TARGET NUMBER: 3
FILE DATE: 06/04/2004
FILE TIME: 06:23

X CENTROID: -0.200
Y CENTROID: 0.181
POA TO CENTROID: 0.270
HORZ SPREAD: 1.093
VERT SPREAD: 2.081
GROUP SPREAD: 2.124
MIN RADIUS: 0.167
MAX RADIUS: 1.357
MEAN RADIUS: 0.644

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.289	1.535
2:	-0.467	0.517
3:	-0.829	-0.519
4:	-0.557	-0.249
5:	-0.423	-0.546
6:	-0.058	-0.397
7:	0.220	0.111
8:	-0.041	0.131
9:	0.176	0.502
10:	0.264	0.722



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611817. 0

TARGET NUMBER: 4

FILE DATE: 06/04/2004

FILE TIME: 06:23

X CENTROID: 0.036

Y CENTROID: -0.104

POA TO CENTROID: 0.110

HORZ SPREAD: 0.832

VERT SPREAD: 1.569

GROUP SPREAD: 1.570

MIN RADIUS: 0.269

MAX RADIUS: 0.975

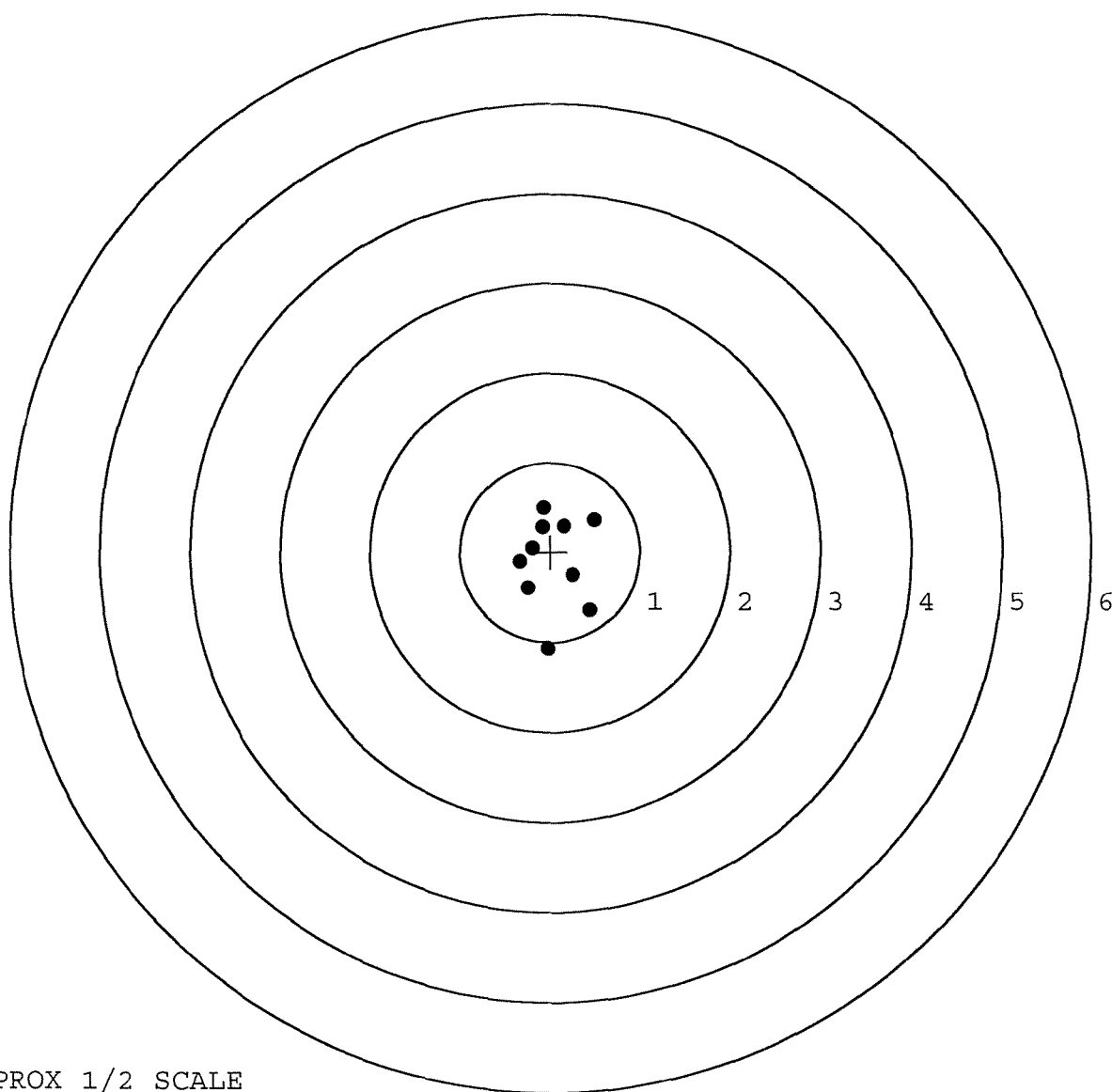
MEAN RADIUS: 0.506

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.030	-1.077
2:	0.444	-0.648
3:	0.258	-0.256
4:	-0.249	-0.405
5:	-0.337	-0.113
6:	0.495	0.356
7:	0.154	0.292
8:	-0.077	0.492
9:	-0.093	0.274
10:	-0.205	0.041

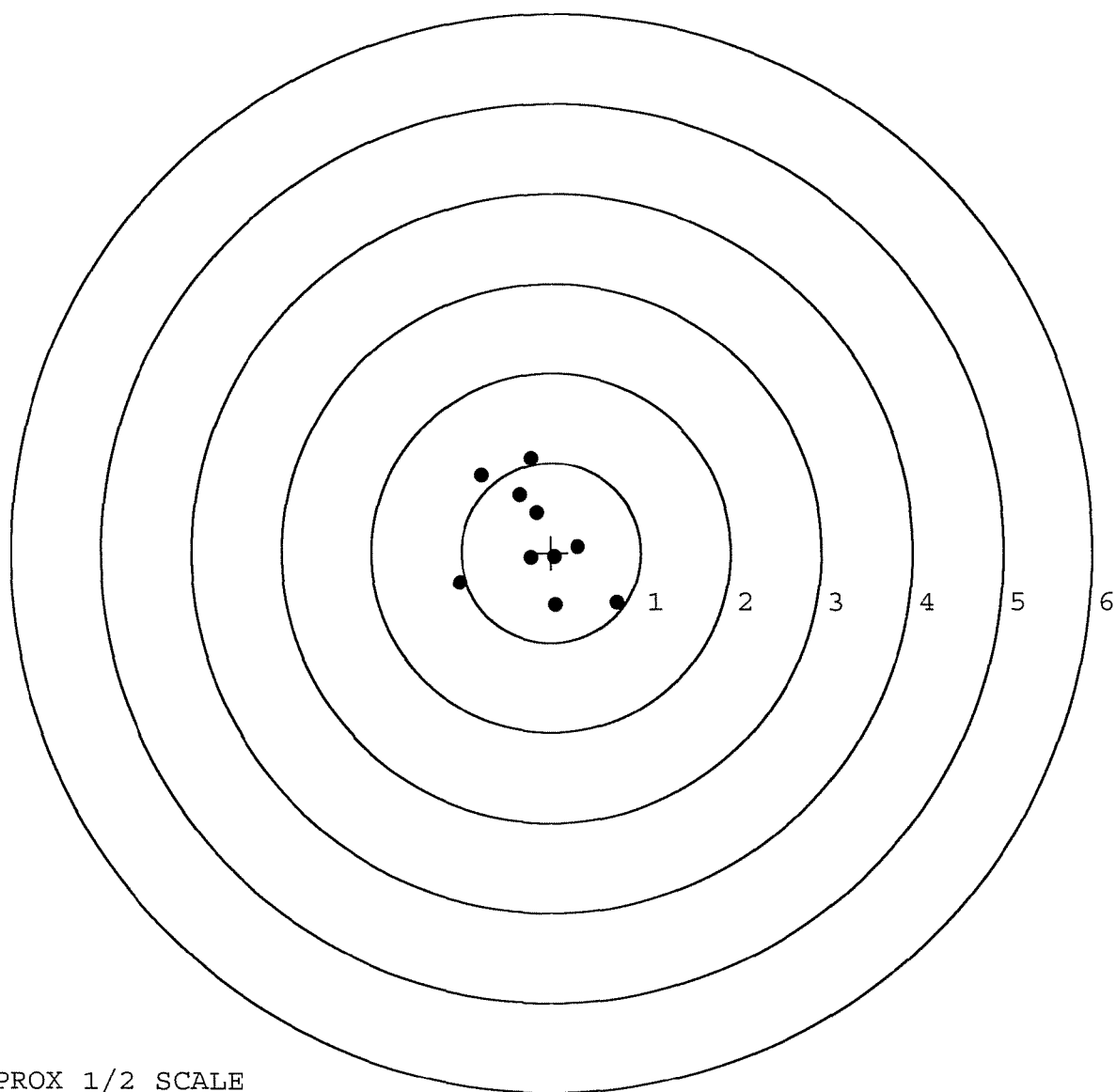


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611817.___0
TARGET NUMBER: 5
FILE DATE: 06/04/2004
FILE TIME: 06:23

X CENTROID: -0.165
Y CENTROID: 0.146
POA TO CENTROID: 0.221
HORZ SPREAD: 1.748
VERT SPREAD: 1.632
GROUP SPREAD: 2.068
MIN RADIUS: 0.216
MAX RADIUS: 1.142
MEAN RADIUS: 0.651
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.052	-0.583
2:	0.734	-0.557
3:	-1.014	-0.337
4:	-0.231	-0.059
5:	0.037	-0.049
6:	0.298	0.062
7:	-0.777	0.855
8:	-0.227	1.049
9:	-0.359	0.637
10:	-0.166	0.445



TARGET APPROX 1/2 SCALE

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

SERIAL # C66611817 INSPECTED BY: RTL

DATE REC'D: 5-17-03 DATE RET'D: 6-7-04

ITEM

BARREL ASSEMBLY

✓ BARREL
✓ RECEIVER
✓ FRONT SIGHT BASE
✓ REAR SIGHT BASE
✓ SCREWS
✓ FINISH

SCOPE ASSEMBLY

✓ SCOPE
✓ SCOPE RINGS
✓ MOUNTING SCREWS
✓ MOUNTING BASE
✓ SCREWS
✓ FINISH
✓ CLARITY

ITEM

STOCK ASSEMBLY

✓ STOCK
✓ SLING AWIVEL STUDS
✓ ADJUSTABLE
✓ BUTT PLATE
✓ LOCK NUTS
✓ BARREL CLEARANCE
✓ COLOR / FINISH

SYSTEMS CASE

✓ SCOPE CASE
✓ IRON SIGHTS
✓ DEPLOYMENT KIT

TRIGGER ASSEMBLY

✓ SAFETY OPERATION
✓ RE-SET TO FACTORY SPECS

COMMENTS:

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

R & E NUMBER	80987		
SERIAL NUMBER	C6611817		
LOG-IN DATE	5-17-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-18-03	RR
560 A	RE-BARREL		
B	DRILL AND TAP	5-20-04	TRW
575	ASSEMBLE		
600	PROOF		
605	CHECK HEADSPACE		
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUXERATOR		
615	ROLLMARK CALIBER	5/28/04	AB
618	ROTO-BLAST	5/24/04	DG
620	APPLY COATINGS	6-1	TA
625 A	FINAL ASSEMBLY	6-2-04	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	6-3-04	AC
655	FINAL INSPECT	6-7-04	RTZ
660	PACK	6-11-04	OA
		SHIP DATE	
QAR INSPECTION DATE			

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

**DU PONT**

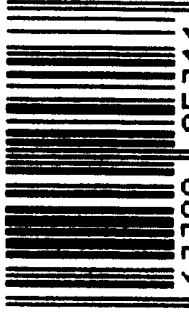
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24	SERIAL NO. C6611817
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off, Marca Registrada Marque Deposee.	ORDER NO. 5716



5716 C6611817

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611817

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/24/91	KS
600	Proof		1/24/91	KS
607	Check Headspace		1/24/91	KS
610	Dis-assemble Gun		1/24/91	KS
612	Magnaflux Barrel Action		1/29/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes	2 2	91	LS
618	Polish Barrel <i>RBB</i>	2 2	91	LS
620	Apply Coatings (Barrel Action)		2-11-91	LS
	Apply Coating (Bolt)			LS
625	Final Assembly		2/18/91	LS
	A) Clean inside of Bolt Assembly		2/18/91	LS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/18/91	LS
	C) Inspect Ejector Hole for Chamfer		2/18/91	LS
	D) Oil Firing Pin Ass'y		2/18/91	LS
	E) Adjust Trigger Pull to Min Setting and Stake		2/20/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			2/20/91	WB
	G) Safety Off Force	2 1/4	2 1/4	2			2/20/91	WB
	H) Trigger Pull Test & Retainability						2/20/91	JH
	I) Firing Pin Indent	.021	.0205	.0205			2/20/91	WB
	J) Assemble Stock						2/21/91	KL
	K) Assemble Swivel Studs						3-1-91	DH
	L) Attach Front and Rear Sight Assemblies						2/21/91	KL
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container						2/21/91	KL
	O) Attach Scope to Rifle						2/21/91	KL
	P) Detach & Attach Scope 20 Times						2/21/91	KL
640	Gallery Target & Test						2/21/91	KL
	A) Time						"	KL
	B) Malfunctions						"	KL
	C) Pierced Primers						"	KL
	D) Optical Clarity of Scope						"	KL
645	Inspect for Live Ammo						2/21/91	KL
655	Final Inspection							
	A) Headspace						3-1-91	DH
	B) Trigger Pull	2.42	2.46	2.44	2.42	2.44	2/22/91	JH
	C) Function						3-1-91	DH
660	Pack						3-18-91	KL

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6611817

DATE 2/20/91

TESTER JJ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.50	2.48	2.42	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.46	2.50	2.46	
PULL #3	2.51	2.49	2.51	2.44	
PULL #4	2.28	2.51	2.48	2.42	
PULL #5	2.37	2.49	2.36	2.44	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.44		
PULL #2	3.50	3.35		
PULL #3	3.38	3.48		
PULL #4	3.19	3.39		
PULL #5	3.41	3.49		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.47	4.18		4.49
PULL #2	4.35	4.14		4.44
PULL #3	4.34	4.28		4.18
PULL #4	4.33	4.29		4.31
PULL #5	4.42	4.31		4.48
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611817
22 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.0975141
1 TO	2	.189169
1 TO	3	.33808
1 TO	4	.0458803
1 TO	5	.119821

~~3~~

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0032
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .032
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0321596
THE AMR FOR THIS RIFLE IS: 1.012

21 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11817

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in - 2

2 in - 8

3 in - 8

HS- 3.886

VS- 1.590

GS- 3.889

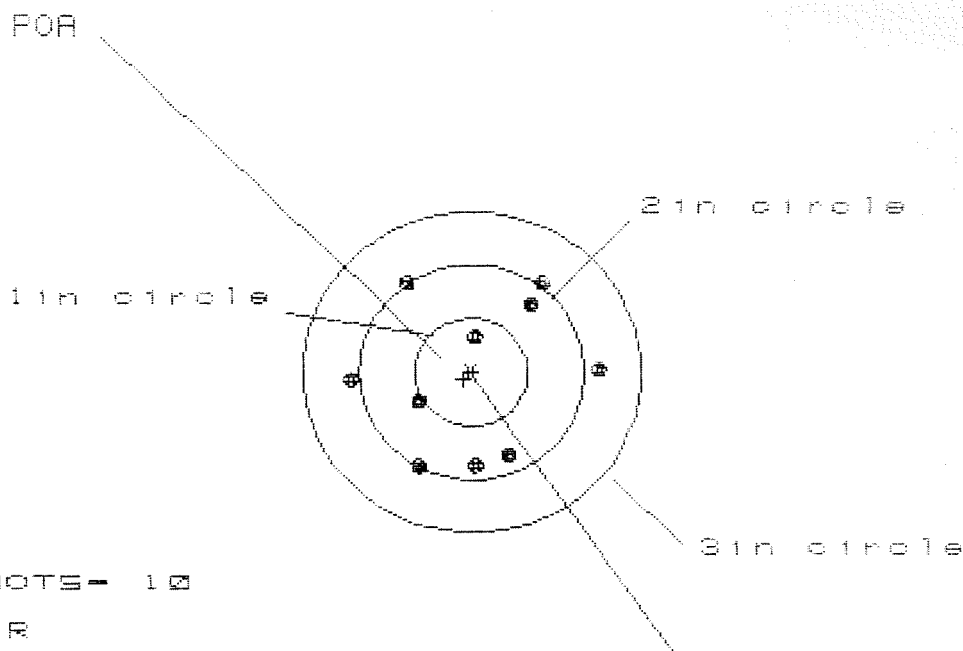
CENTROID #

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.879	1.665	.536
MINIMUM X	-1.927	-.671	-.463
MAXIMUM Y	.880	.832	.871
MINIMUM Y	-.710	-.758	-.720
CENTROID X	-.022	.192	-.016
CENTROID Y	-.095	-.047	-.086
POA TO CENTROID in.	.098	.198	.087
MIN RADIUS	.382	.302	.391
MEAN RADIUS	.890	.756	.626
MAX RADIUS	1.976	1.693	.981
HORIZONTAL SPREAD	3.886	2.336	.999
VERTICAL SPREAD	1.590	1.590	1.590
EXTREME SPREAD	3.889	2.507	1.591
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		8	

21 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611817

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.173

VS= 1.739

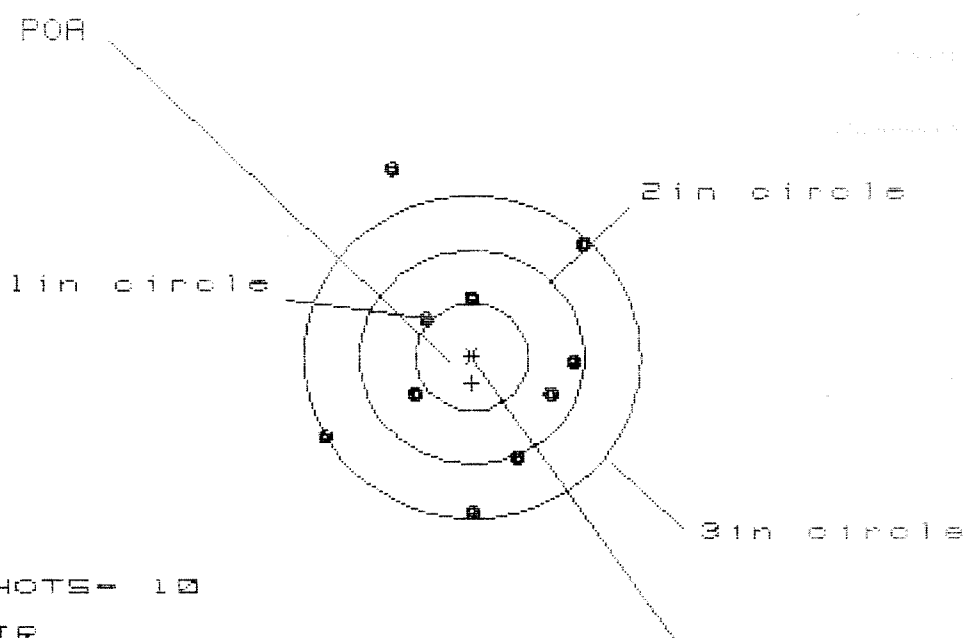
GS= 2.180

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.115	.791	.775
MINIMUM X	:	-1.058	-.934	-.835
MAXIMUM Y	:	.875	.882	.936
MINIMUM Y	:	-.864	-.857	-.747
CENTROID X	:	.074	-.050	-.149
CENTROID Y	:	.068	.061	-.049
POA TO CENTROID in.	:	.101	.079	.157
MIN RADIUS	:	.376	.410	.303
MEAN RADIUS	:	.863	.824	.759
MAX RADIUS	:	1.117	1.185	1.061
HORIZONTAL SPREAD	:	2.173	1.725	1.610
VERTICAL SPREAD	:	1.739	1.739	1.683
EXTREME SPREAD	:	2.180	2.097	1.812
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

21 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8511817

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 2.343

VS= 3.201

GS= 3.287

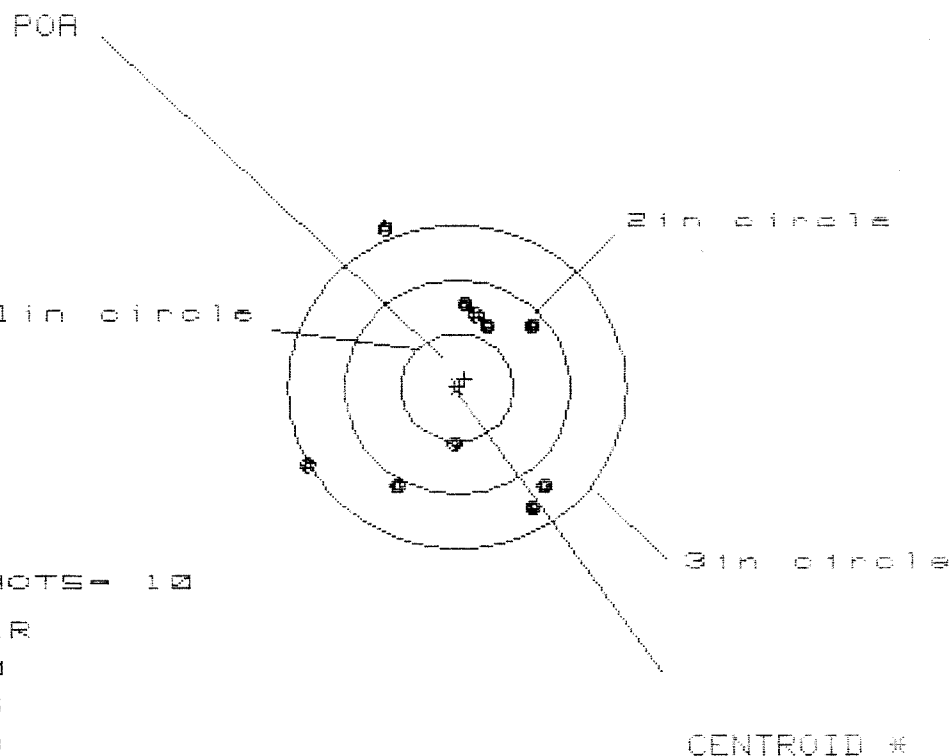
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.008	.929	.752
MINIMUM X	:	-1.335	-1.414	-.784
MAXIMUM Y	:	1.807	1.282	1.215
MINIMUM Y	:	-1.394	-1.193	-1.260
CENTROID X	:	.005	.084	.261
CENTROID Y	:	.242	.041	.108
POA TO CENTROID in.	:	.242	.094	.282
MIN RADIUS	:	.515	.592	.457
MEAN RADIUS	:	1.063	.950	.864
MAX RADIUS	:	1.942	1.583	1.429
HORIZONTAL SPREAD	:	2.343	2.343	1.536
VERTICAL SPREAD	:	3.201	2.475	2.475
EXTREME SPREAD	:	3.287	2.964	2.660
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

21 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611817

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 2.067

VS= 2.615

GS= 2.895

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.746	.678	.505
MINIMUM X	:	-1.321	-1.389	-.729
MAXIMUM Y	:	1.524	.996	.930
MINIMUM Y	:	-1.091	-.922	-.988
CENTROID X	:	-.065	.003	.176
CENTROID Y	:	-.079	-.248	-.182
POA TO CENTROID in.	:	.102	.248	.254
MIN RADIUS	:	.552	.398	.532
MEAN RADIUS	:	1.031	.954	.873
MAX RADIUS	:	1.640	1.485	1.117
HORIZONTAL SPREAD	:	2.067	2.067	1.234
VERTICAL SPREAD	:	2.615	1.918	1.918
EXTREME SPREAD	:	2.895	2.381	2.010
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

21 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611817

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 0

2 in = 4

3 in = 7

HS = 2.996

VS = 2.881

GS = 3.479

CENTROID #

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.543	1.712	1.796
MINIMUM X	-1.453	-1.284	-1.200
MAXIMUM Y	1.392	.933	.766
MINIMUM Y	-1.489	-1.334	-.635
CENTROID X	-.008	-.177	-.261
CENTROID Y	.024	-.131	.036
POA TO CENTROID in.	.025	.220	.263
MIN RADIUS	.516	.572	.518
MEAN RADIUS	1.213	1.107	1.040
MAX RADIUS	2.065	1.735	1.800
HORIZONTAL SPREAD	2.996	2.996	2.996
VERTICAL SPREAD	2.881	2.267	1.401
EXTREME SPREAD	3.479	3.024	3.024
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	7	