

C6498747

MODEL 700™ M24

Model **SMS**™

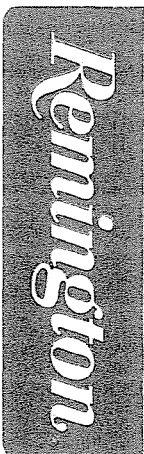
Action _____

Barrel Length _____

Capacity _____

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00113471

Serial: C64987847 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 6/12/2006 2:30:18 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: XU W4UJ USA GARRISON ALASKA

XU W4UJ USA GARRISON ALASKA

Address 1: SUP DIV DOL BLDG 804 TRANS

SUP DIV DOL BLDG 804 TRANS

Address 2: 804 WHSE ST (907) 384-7692

PO Box:

804 WHSE ST (907) 384-7692

PO Box:

City: FT RICHARDSON

FT RICHARDSON

State: AK

Zip Code: 99505

Country: US

State: AK

Zip Code: 99505

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

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
A026	Scope	1
A045	Bi Pod	1
A055	Deployment Kit	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

6/13/2006

8:29 AM

CAPS

NUM

INS

SCRL



Serial Number: C6498747

Model: M24 SWS



RE00113471

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498747.___0

FILE DATE AND TIME: 06/27/2006 17:54

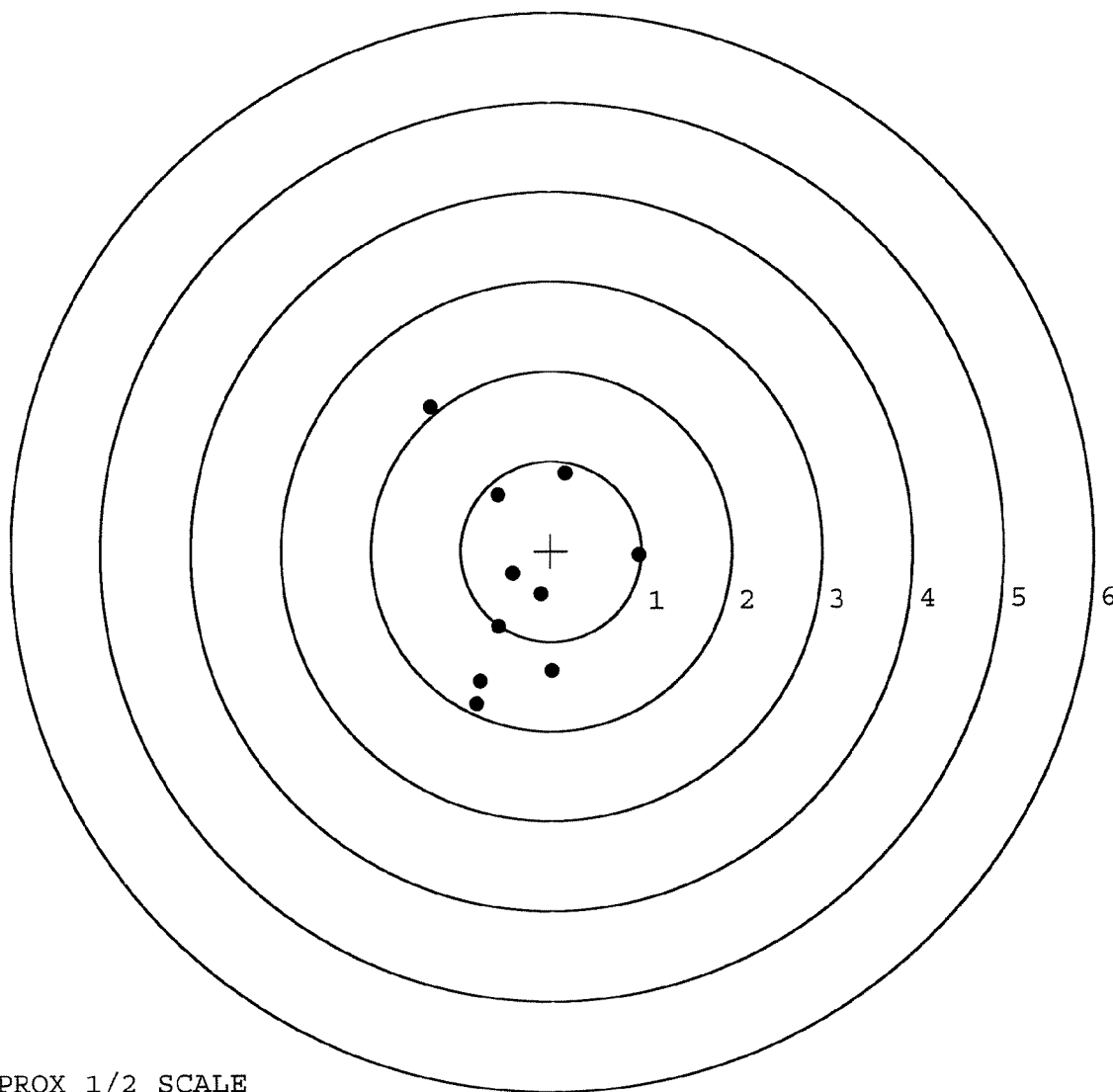
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.129
The Average Y Centroid of the Five Target Set:	-0.096
The Average Point of Impact of the Five Target Set:	0.161
The Average Mean Radius of the Five Target Set:	0.834
The Distance from POA to Centroid Target #1:	0.461
The Distance from Centroid Target #2 to Centroid Target #1:	0.257
The Distance from Centroid Target #3 to Centroid Target #1:	0.240
The Distance from Centroid Target #4 to Centroid Target #1:	0.588
The Distance from Centroid Target #5 to Centroid Target #1:	0.431

SERIAL NUMBER: C6498747. __0
TARGET NUMBER: 1
FILE DATE: 06/27/2006
FILE TIME: 17:54

X CENTROID: -0.350
Y CENTROID: -0.301
POA TO CENTROID: 0.461
HORZ SPREAD: 2.306
VERT SPREAD: 3.308
GROUP SPREAD: 3.345
MIN RADIUS: 0.086
MAX RADIUS: 2.145
MEAN RADIUS: 1.048
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.979	-0.058
2:	0.165	0.865
3:	-1.327	1.609
4:	-0.585	0.622
5:	-0.423	-0.255
6:	-0.116	-0.481
7:	-0.580	-0.837
8:	0.009	-1.331
9:	-0.789	-1.442
10:	-0.832	-1.699

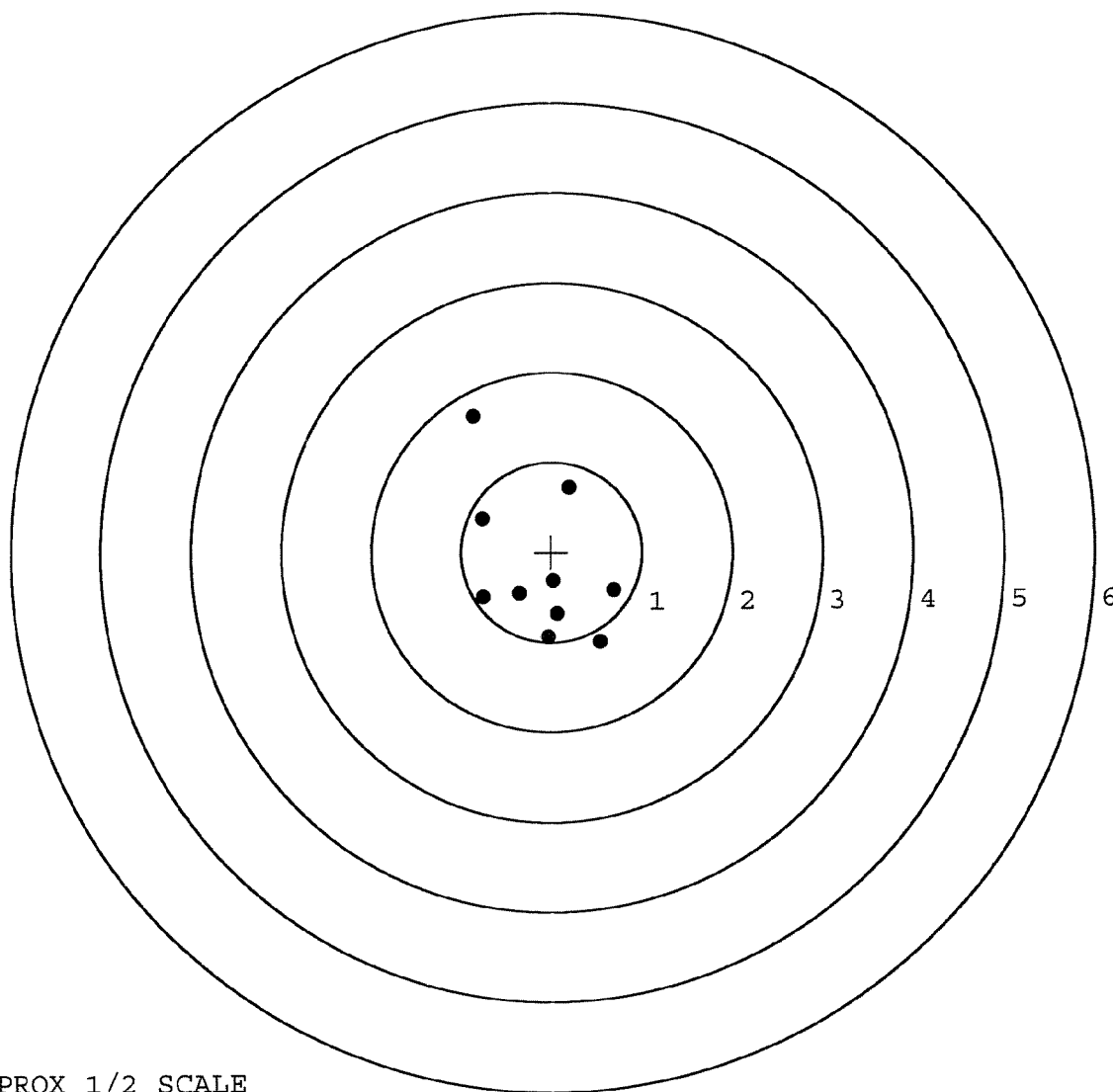


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498747. __0
TARGET NUMBER: 2
FILE DATE: 06/27/2006
FILE TIME: 17:54

X CENTROID: -0.125
Y CENTROID: -0.176
POA TO CENTROID: 0.216
HORZ SPREAD: 1.549
VERT SPREAD: 2.516
GROUP SPREAD: 2.878
MIN RADIUS: 0.209
MAX RADIUS: 1.843
MEAN RADIUS: 0.816
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.536	-1.003
2:	-0.035	-0.953
3:	0.067	-0.688
4:	0.688	-0.428
5:	0.021	-0.325
6:	-0.355	-0.463
7:	-0.755	-0.505
8:	-0.763	0.370
9:	0.202	0.718
10:	-0.861	1.513

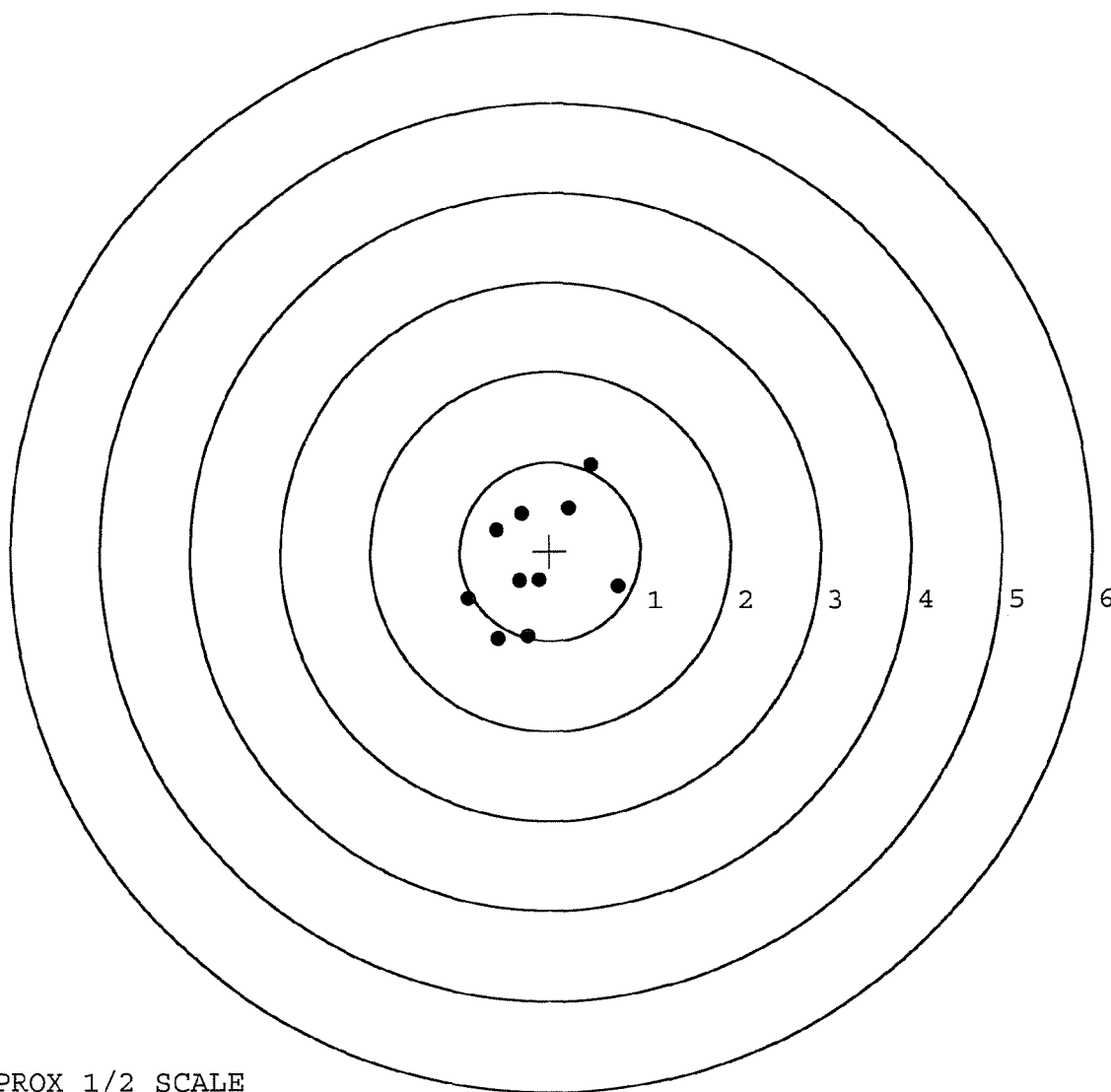


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498747. __0
TARGET NUMBER: 3
FILE DATE: 06/27/2006
FILE TIME: 17:54

X CENTROID: -0.170
Y CENTROID: -0.142
POA TO CENTROID: 0.221
HORZ SPREAD: 1.668
VERT SPREAD: 1.953
GROUP SPREAD: 2.209
MIN RADIUS: 0.195
MAX RADIUS: 1.274
MEAN RADIUS: 0.718
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.575	-0.986
2:	-0.251	-0.958
3:	-0.912	-0.529
4:	-0.339	-0.338
5:	-0.125	-0.332
6:	0.756	-0.399
7:	0.458	0.967
8:	0.208	0.487
9:	-0.319	0.426
10:	-0.598	0.243

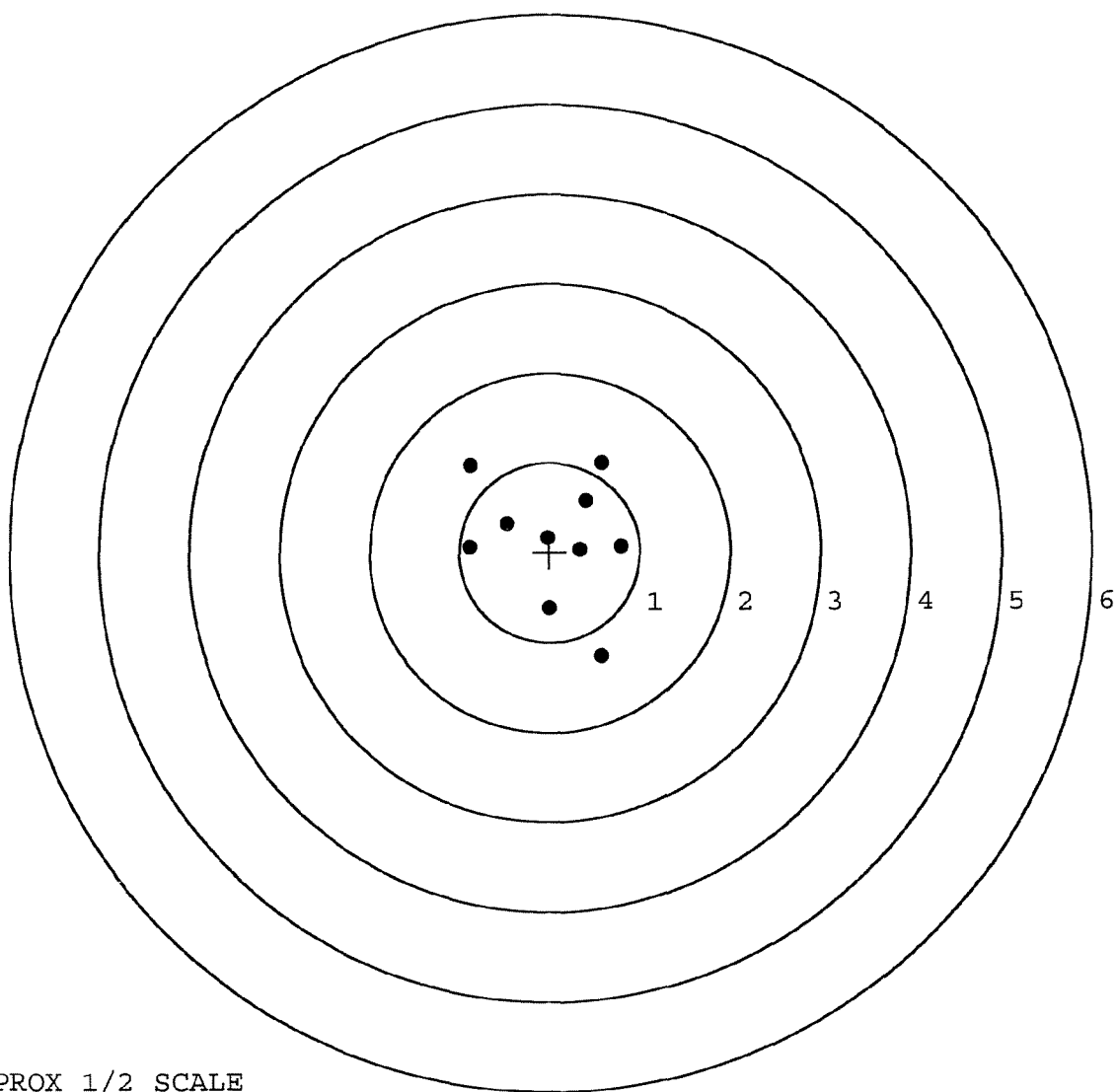


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498747. __0
TARGET NUMBER: 4
FILE DATE: 06/27/2006
FILE TIME: 17:54

X CENTROID: 0.042
Y CENTROID: 0.138
POA TO CENTROID: 0.144
HORZ SPREAD: 1.678
VERT SPREAD: 2.157
GROUP SPREAD: 2.575
MIN RADIUS: 0.068
MAX RADIUS: 1.401
MEAN RADIUS: 0.761
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.576	-1.157
2:	-0.003	-0.633
3:	0.788	0.061
4:	0.335	0.032
5:	0.401	0.580
6:	0.581	1.000
7:	-0.472	0.315
8:	-0.890	0.054
9:	-0.876	0.970
10:	-0.025	0.154

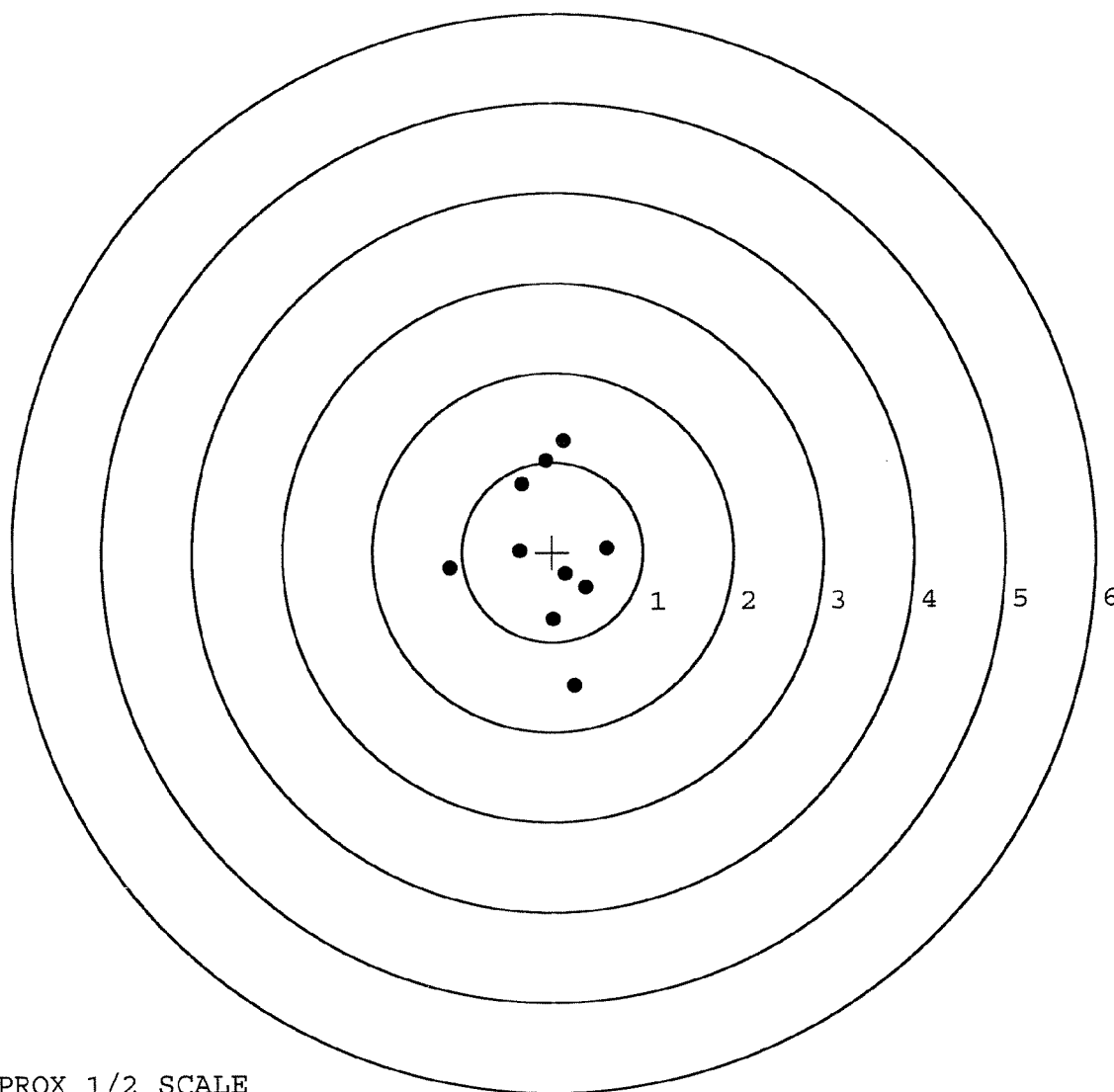


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498747. __0
TARGET NUMBER: 5
FILE DATE: 06/27/2006
FILE TIME: 17:54

X CENTROID: -0.042
Y CENTROID: 0.001
POA TO CENTROID: 0.042
HORZ SPREAD: 1.736
VERT SPREAD: 2.724
GROUP SPREAD: 2.726
MIN RADIUS: 0.305
MAX RADIUS: 1.516
MEAN RADIUS: 0.829
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.240	-1.488
2:	0.600	0.044
3:	0.370	-0.394
4:	0.142	-0.242
5:	0.011	-0.749
6:	-1.136	-0.179
7:	-0.366	0.015
8:	-0.337	0.755
9:	-0.073	1.014
10:	0.129	1.236



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	113471		
SERIAL NUMBER	C6498747		
LOG-IN DATE	6-12-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-20-06	RTZ
505	RE-BARREL	6-21-06	RTZ
420	ASSEMBLE	6-21-06	RTZ
440	PROOF	6-23-06	TRW
460	CHECK HEADSPACE	6-23-06	TRW
470	DIS-ASSEMBLE GUN	6-23-06	RTZ
480	MAGNAFLUX	6-23-06	mm
510	DRILL AND TAP	6-23-06	TRW
500	ROLLMARK CALIBER	6-23-06	CW
520	GOFF BLAST BBL / REC	6-23-06	LB
530 & 540	APPLY COATINGS	6-24-06	RB
560	FINAL ASSEMBLY	6-27-06	RLC
640	FUNCTION TEST AND	PASS FAIL 6-27-06	MTM
650	TARGET	PASS FAIL 6-27-06	MTM
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		
	A) HEADSPACE	PASS FAIL 6-28-06	AE
	B) TRIGGER PULL		
	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	4/6s 4/6s 4/6s	AE
	G) SAFETY OFF FORCE	3/6s 3/6s 3/6s	AE
	I) FIRING PIN INDENT	.022 .022 .022	AE
690	PACK	7-6-06	DA

F006 REV 5/2006

FINAL INSPECTION CHECKLIST

BARREL ASSEMBLY

BARREL

RECEIVER

FRONT SIGHT BASE

REAR SIGHT BASE

SCREWS

FINISH

SCOPE ASSEMBLY

SCOPE

SCOPE RINGS

MOUNTING SCREWS

MOUNTING BASE

SCREWS

FINISH

CLARITY

STOCK ASSEMBLY

STOCK

SLING SWIVEL STUDS

BUTT PATE

LOCK NUTS

BARREL CLEARANCE

COLOR / FINISH

SYSTEM CASE

SCOPE CASE

IRON SIGHTS

DEPLOYMENT KIT

TRIGGER ASSEMBLY

SAFETY OPERATION

RE-SET TO FACTORY
SPECS

COMMENTS: _____

F006 REV 5/2006

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

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

MODEL 700™ M24

SERIAL NO.
 C6498747

ORDER NO.
5716

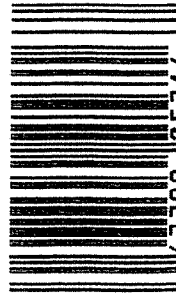
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6498747

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498747

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9 90		RW
610	Dis-assemble Gun	5 9 90		RW
612	Magnaflux Barrel Action	5-15-90		KCR
	Magnaflux Bolt	5-15-90		KCR
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes		5/17/90	FB
618	Polish Barrel RB		5/17/90	WB
620	Apply Coatings (Barrel Action)		5-25-90	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/5/90	QA

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4	4	4	6/5/90	QJ		
	G) Safety Off Force	3	3	3	6/5/90	QJ		
	H) Trigger Pull Test & Retainability				6/5/90	QJ		
	I) Firing Pin Indent	.023	.022	.022	6/5/90	QJ		
	J) Assemble Stock				6/6/90	RW		
	K) Assemble Swivel Studs				6-8-90	QJ		
	L) Attach Front and Rear Sight Assemblies				6/6/90	RW		
	M) Iron Sight Alignment				6/6/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				6/6/90	RW		
	O) Attach Scope to Rifle				6/6/90	WB		
	P) Detach & Attach Scope 20 Times				6/6/90	WB		
640	Gallery Target & Test				6-7-90	DH		
	A) Time				6-7-90	DH		
	B) Malfunctions				6-7-90	DH		
	C) Pierced Primers				6-7-90	DH		
	D) Optical Clarity of Scope				6-7-90	DH		
645	Inspect for Live Ammo				6-7-90	DH		
655	Final Inspection				6-8-90	QJ		
	A) Headspace				6-8-90	QJ		
	B) Trigger Pull	266	264	264	268	258	6-8-90	QJ
	C) Function						6-8-90	QJ
660	Pack						6-7-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6498747

DATE 6/5/90

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.16	2.40	2.66	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.25	2.35	2.64	
PULL #3	2.29	2.20	2.36	2.64	
PULL #4	2.40	2.40	2.40	2.68	
PULL #5	2.26	2.36	2.35	2.58	
TOTAL	11.81	11.37	11.86		
AVG.	2.362	2.274	2.372		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.44		
PULL #2	3.46	3.44		
PULL #3	3.45	3.42		
PULL #4	3.46	3.48		
PULL #5	3.36	3.45		
TOTAL	17.18	17.23		
AVG.	3.436	3.446		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.46		4.31
PULL #2	4.39	4.46		4.36
PULL #3	4.43	4.49		4.43
PULL #4	4.43	4.23		4.40
PULL #5	4.43	4.26		4.31
TOTAL	22.06	21.90		21.81
AVG.	4.412	4.38		4.362

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06498747
7 Jun 1990

CENTROIDAL DISTANCES

0 TO 1	.41236
1 TO 2	.733219
1 TO 3	.5172
1 TO 4	.500836
1 TO 5	.676302

2
0.001 0.00000000

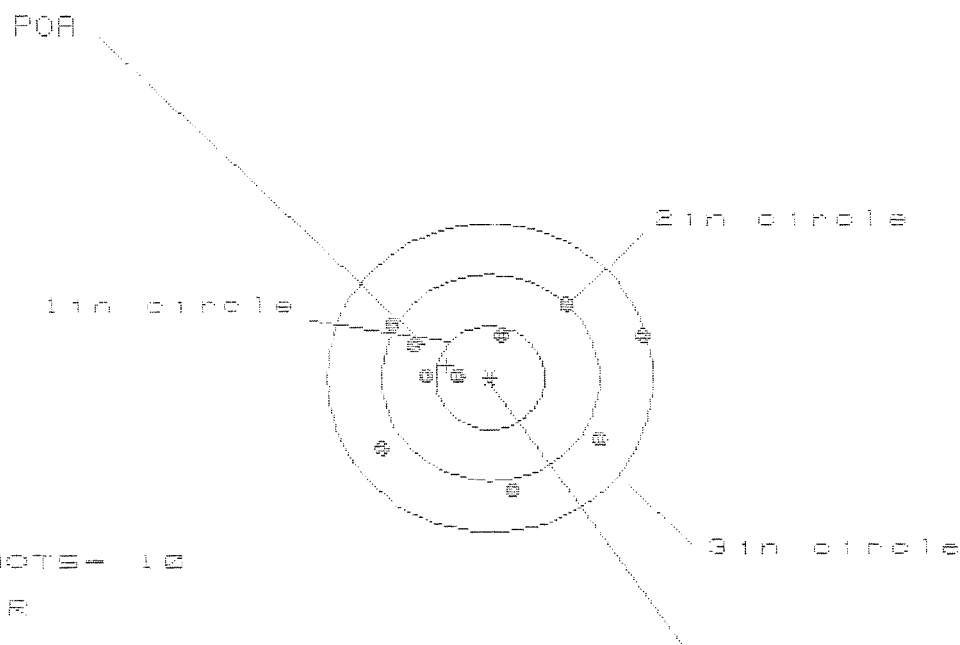
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0826
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.012
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0334671
THE AMR FOR THIS RIFLE IS: .0436

7 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08498747

CENTERFIRE PATTERNS

1



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 10

POA = 2.465

POA = 1.724

QSF = 2.657

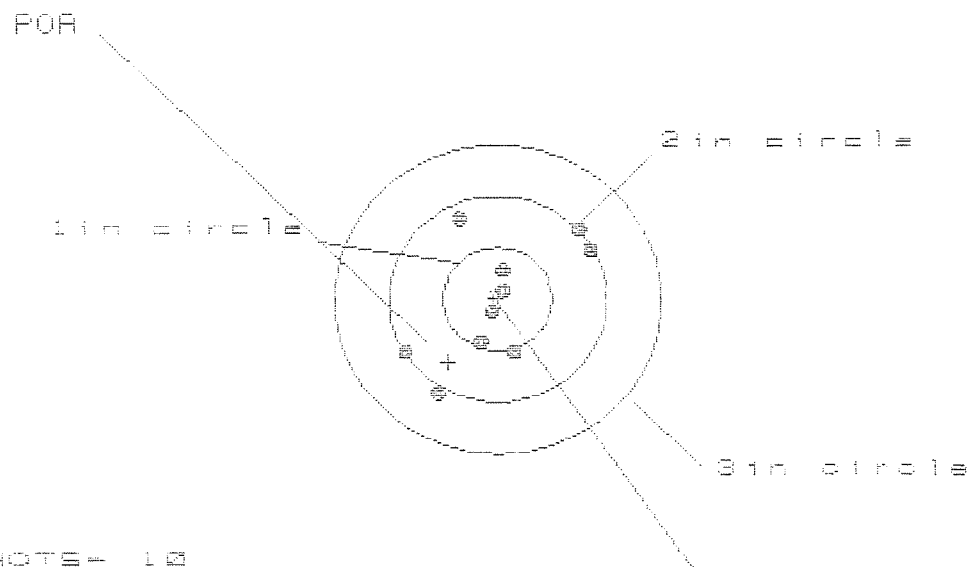
CENTROID #

PATTERN #		1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.405	1.179	1.071
MINIMUM X	:	-1.020	-0.864	-0.836
MAXIMUM Y	:	.688	.732	.652
MINIMUM Y	:	-1.036	-0.992	-1.072
CENTROID X	:	.396	.240	.348
CENTROID Y	:	-.115	-.159	-.079
POA TO CENTROID in.	:	.412	.288	.356
MIN RADIUS	:	.257	.109	.212
MEAN RADIUS	:	.894	.796	.766
MAX RADIUS	:	1.462	1.311	1.254
HORIZONTAL SPREAD	:	2.425	2.043	1.907
VERTICAL SPREAD	:	1.724	1.724	1.724
EXTREME SPREAD	:	2.657	2.230	2.230
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

7 JUN 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08498747

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

MEAN = 1.678

MS = 1.688

CS = 2.064

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.876	.962	.986
MINIMUM X	:	-.883	-.717	-.773
MAXIMUM Y	:	.793	.872	.771
MINIMUM Y	:	-.887	-.808	-.542
CENTROID X	:	.453	.367	.423
CENTROID Y	:	.616	.537	.638
FOR TO CENTROID in.	:	.765	.651	.765
MIN RADIUS	:	.081	.065	.069
MEAN RADIUS	:	.647	.594	.548
MAX RADIUS	:	1.052	1.137	1.037
HORIZONTAL SPREAD	:	1.679	1.679	1.679
VERTICAL SPREAD	:	1.688	1.688	1.313
EXTREME SPREAD	:	2.064	1.995	1.954
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CS498747

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 12

IN CIR

1 in = 1

2 in = 6

3 in = 10

ME = 1.542

VE = 2.338

GE = 2.338

PATTERN #

3

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.742	.729	.728
MINIMUM X	:	-.800	-.718	-.728
MAXIMUM Y	:	1.183	1.068	.890
MINIMUM Y	:	-1.155	-1.270	-1.136
CENTROID X	:	-.114	-.196	-.186
CENTROID Y	:	-.281	-.086	-.220
POA TO CENTROID in.	:	.231	.214	.288
MIN RADIUS	:	.494	.564	.443
MEAN RADIUS	:	.913	.858	.826
MAX RADIUS	:	1.274	1.271	1.139
HORIZONTAL SPREAD	:	1.542	1.447	1.447
VERTICAL SPREAD	:	2.338	2.338	2.026
EXTREME SPREAD	:	2.395	2.338	2.131
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08498747

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 0

3 in = 10

ME = 0.163

VS = 0.302

GS = 0.535

PATTERN #

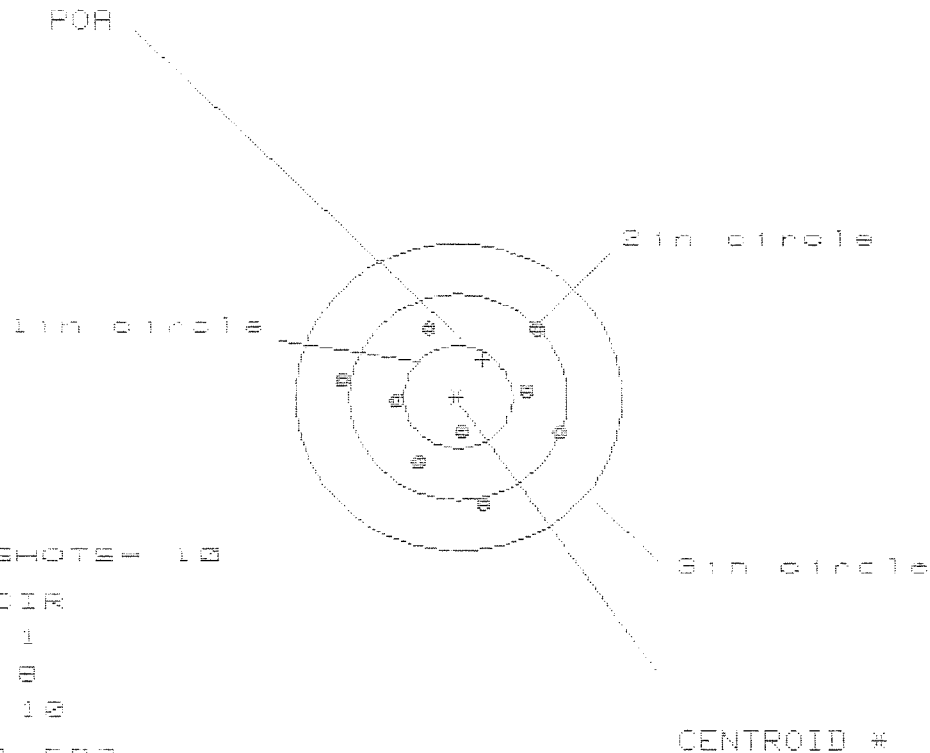
4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.280	1.213	.561
MINIMUM X	-.883	-.950	-.799
MAXIMUM Y	1.200	.995	1.089
MINIMUM Y	-1.102	-.969	-.955
CENTROID X	-.090	-.024	-.175
CENTROID Y	.006	-.127	-.141
POA TO CENTROID in.	.091	.129	.225
MIN RADIUS	.557	.429	.419
MEAN RADIUS	.998	.949	.897
MAX RADIUS	1.342	1.218	1.098
HORIZONTAL SPREAD	2.163	2.163	1.360
VERTICAL SPREAD	2.302	1.964	1.954
EXTREME SPREAD	2.535	2.307	2.137
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

7 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498747

CENTERFIRE PATTERNS # 5



OF SHOTS = 10
 # IN CIR
 1 in = 1
 2 in = 8
 3 in = 10
 MEAN = 1.588
 VSE = 1.705
 DE = 2.047

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.981	.780	.792
MINIMUM X	:	-1.081	-.647	-.635
MAXIMUM Y	:	.696	.714	.590
MINIMUM Y	:	-1.010	-.991	-.714
CENTROID X	:	-.232	-.111	-.122
CENTROID Y	:	-.366	-.384	-.260
FOR TO CENTROID in.	:	.433	.400	.288
MIN RADIUS	:	.293	.280	.399
MEAN RADIUS	:	.766	.725	.688
MAX RADIUS	:	1.095	.995	.910
HORIZONTAL SPREAD	:	1.982	1.427	1.427
VERTICAL SPREAD	:	1.705	1.705	1.304
EXTREME SPREAD	:	2.047	1.768	1.620
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	