

C6349034

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington®

MODEL 700™ M24

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

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

SERIAL NO.
C6349034

ORDER NO.
5716

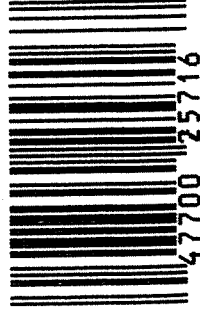
Ø1

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



5716 C6349034

UPC



0 47700 25716 7

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: **RE00112534** Serial: C6349034 Model M24 SWS Center Fire
 Verify Repair Caliber: 7.62 NATO Produced: 03/19/1990 Repairman: Status: Closed 5/18/2006 9:46:42 AM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: 225TH BSB (SSA) 225TH BSB (SSA)

Address 1: ATTN CW3 FUJIHARA (808-655-0211) ATTN CW3 FUJIHARA (808-655-0211)

Address 2: BLDG 1670 MELICHAMP ST. PO Box: BLDG 1670 MELICHAMP ST. PO Box:

City: SCHOFIELD BARRACKS SCHOFIELD BARRACKS

State: HI Zip Code: 96957 Country: US State: HI Zip Code: 96957 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 <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>C000</td> <td>FRONT BASE</td> <td>1</td> </tr> </tbody> </table>	Code	Desc	Qty	A010	Hard Case	1	C000	FRONT BASE	1		
Code	Desc	Qty											
A010	Hard Case	1											
C000	FRONT BASE	1											

Repair Search Refresh Close

nagletj 5/23/2006 7:21 AM C4PS NUM INS SCRL

start 2 Micr... Microsof... 2 Inter... Part Sea... Arms Se... 7:21 AM

Serial Number: **C6349034**

Model: **M24 SWS**



RE00112534

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349034.___0
FILE DATE AND TIME: 11/13/2006 23:12

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.156
The Average Y Centroid of the Five Target Set:	-0.120
The Average Point of Impact of the Five Target Set:	0.197
The Average Mean Radius of the Five Target Set:	0.659
The Distance from POA to Centroid Target #1:	0.164
The Distance from Centroid Target #2 to Centroid Target #1:	0.232
The Distance from Centroid Target #3 to Centroid Target #1:	0.248
The Distance from Centroid Target #4 to Centroid Target #1:	0.310
The Distance from Centroid Target #5 to Centroid Target #1:	0.104

SERIAL NUMBER: C6349034. __0

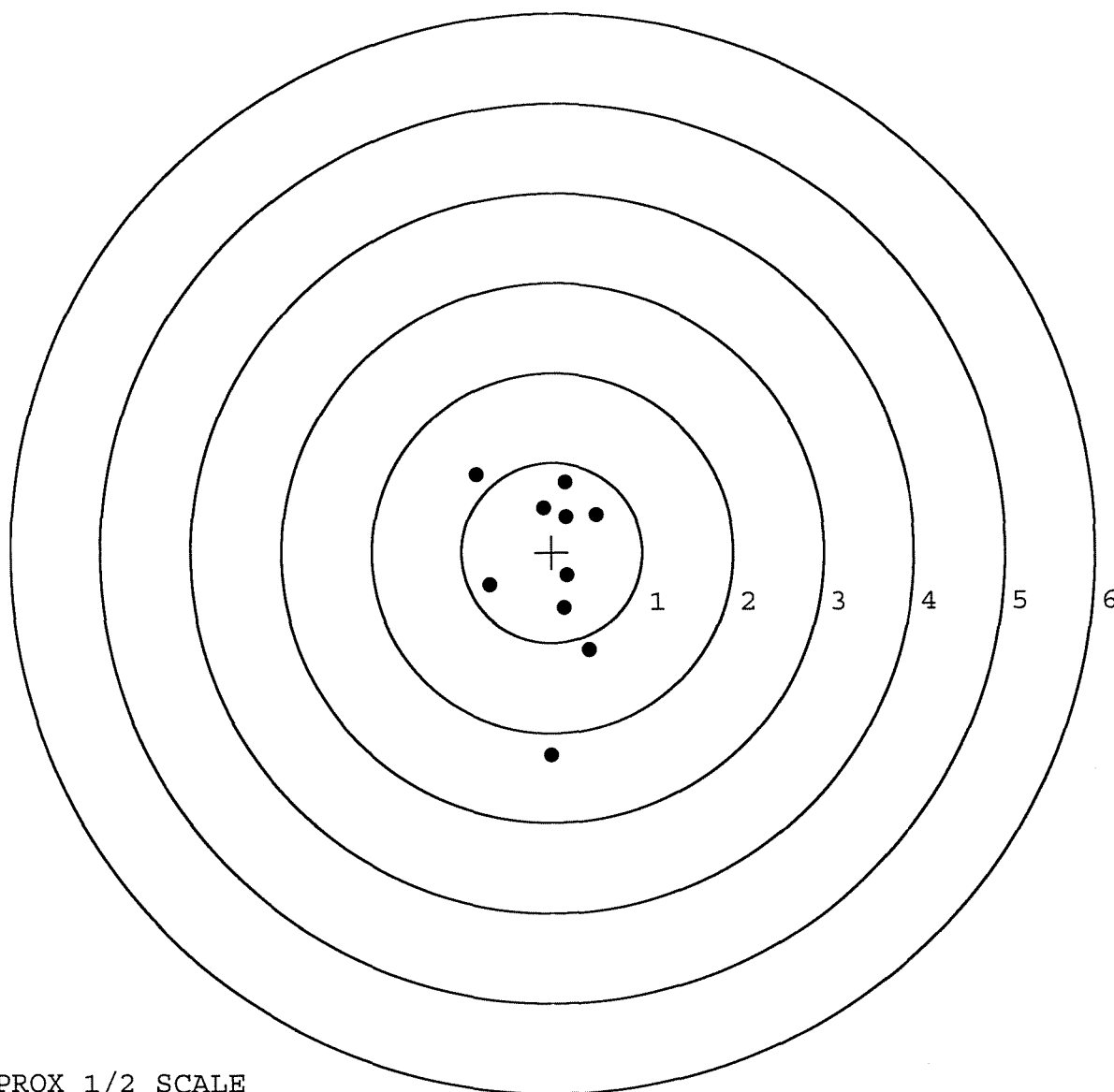
TARGET NUMBER: 1

FILE DATE: 11/13/2006

FILE TIME: 23:12

X CENTROID: -0.011
 Y CENTROID: -0.164
 POA TO CENTROID: 0.164
 HORZ SPREAD: 1.327
 VERT SPREAD: 3.121
 GROUP SPREAD: 3.229
 MIN RADIUS: 0.206
 MAX RADIUS: 2.090
 MEAN RADIUS: 0.877
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.837	0.867
2:	-0.095	0.490
3:	0.153	0.776
4:	0.156	0.390
5:	0.490	0.419
6:	-0.687	-0.362
7:	0.170	-0.263
8:	0.137	-0.621
9:	0.418	-1.080
10:	-0.010	-2.254

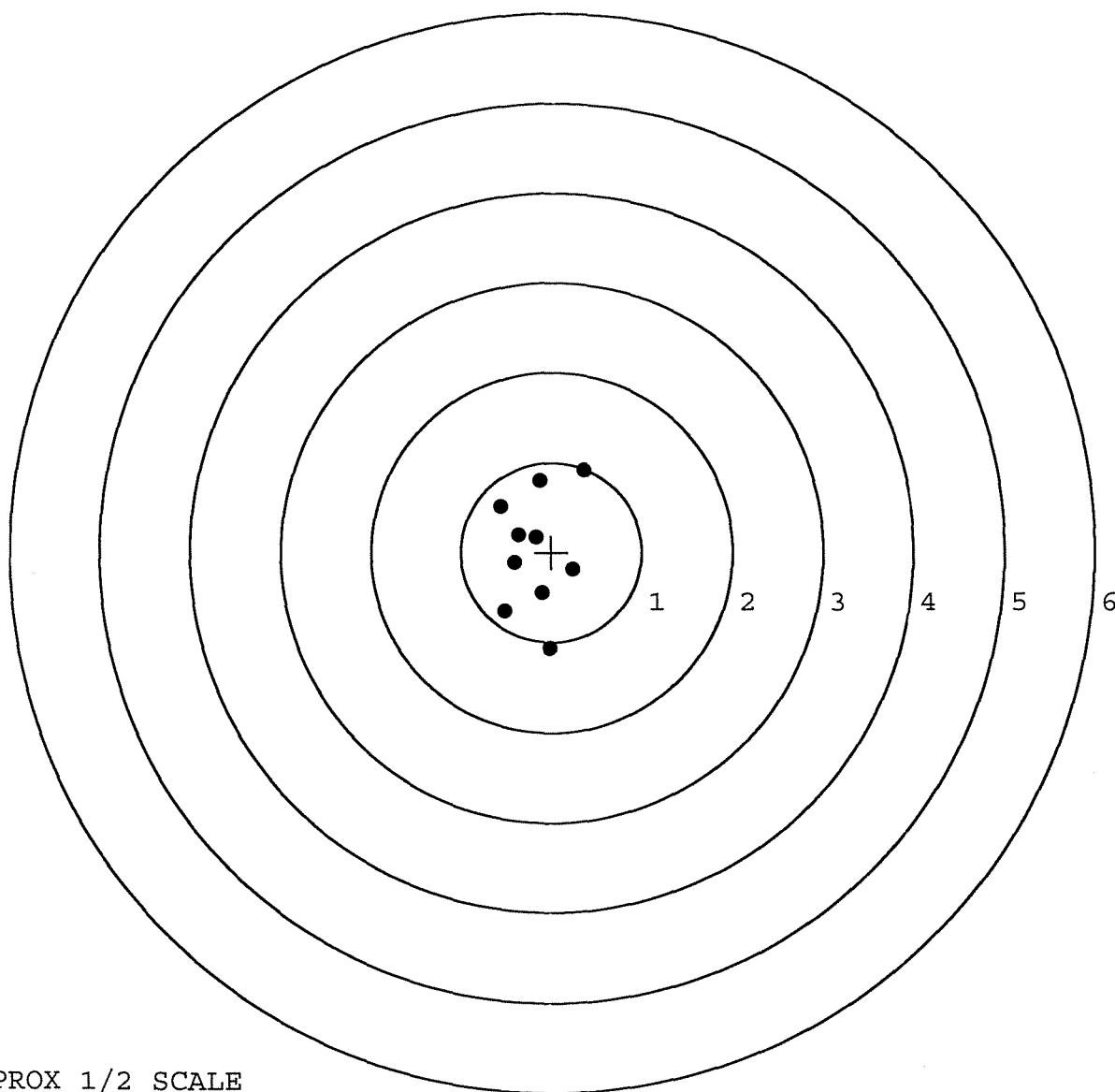


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349034. __0
 TARGET NUMBER: 2
 FILE DATE: 11/13/2006
 FILE TIME: 23:12

POINT#	X	Y
1:	0.354	0.914
2:	-0.132	0.798
3:	-0.019	-1.077
4:	-0.513	-0.664
5:	-0.102	-0.458
6:	0.243	-0.200
7:	-0.168	0.166
8:	-0.413	-0.125
9:	-0.365	0.192
10:	-0.565	0.513

X CENTROID: -0.168
 Y CENTROID: 0.006
 POA TO CENTROID: 0.168
 HORZ SPREAD: 0.919
 VERT SPREAD: 1.991
 GROUP SPREAD: 2.026
 MIN RADIUS: 0.160
 MAX RADIUS: 1.093
 MEAN RADIUS: 0.597
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

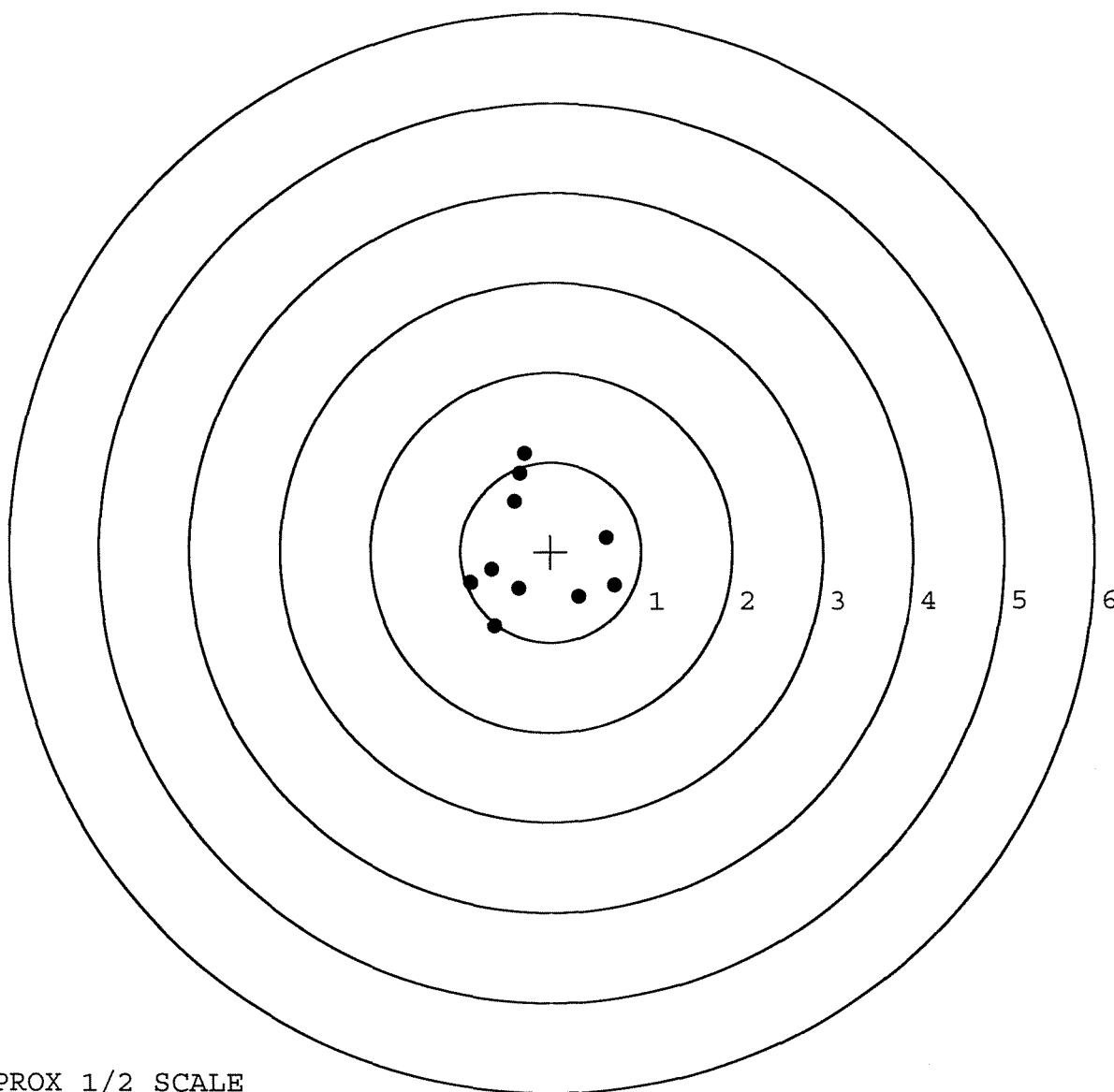


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349034. __0
 TARGET NUMBER: 3
 FILE DATE: 11/13/2006
 FILE TIME: 23:12

X CENTROID: -0.192
 Y CENTROID: 0.005
 POA TO CENTROID: 0.192
 HORZ SPREAD: 1.598
 VERT SPREAD: 1.923
 GROUP SPREAD: 1.951
 MIN RADIUS: 0.446
 MAX RADIUS: 1.097
 MEAN RADIUS: 0.776
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.291	1.097
2:	-0.343	0.874
3:	-0.400	0.566
4:	-0.892	-0.341
5:	-0.654	-0.199
6:	-0.359	-0.409
7:	-0.621	-0.826
8:	0.312	-0.496
9:	0.706	-0.380
10:	0.618	0.159

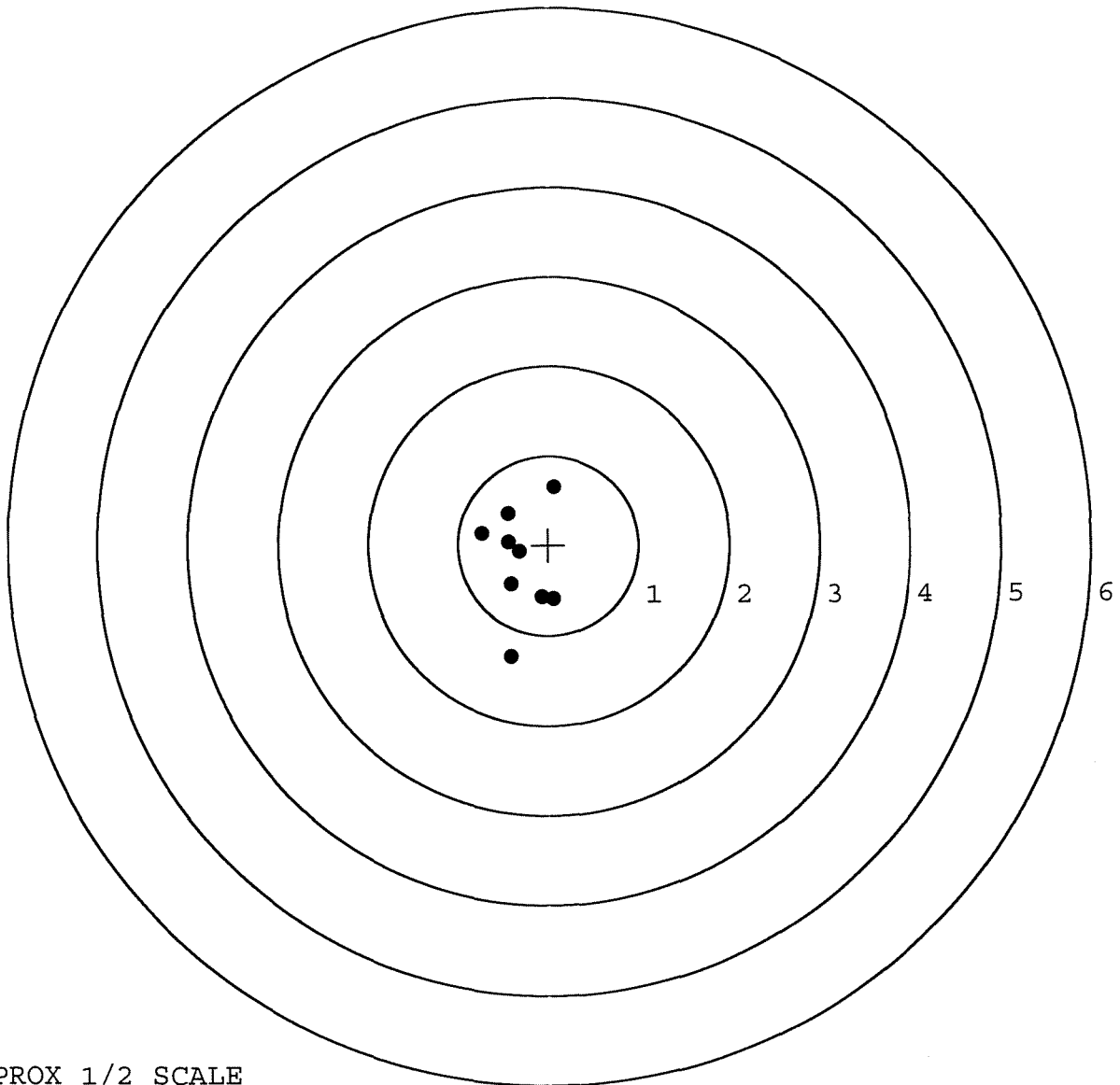


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349034. __0
 TARGET NUMBER: 4
 FILE DATE: 11/13/2006
 FILE TIME: 23:12

X CENTROID: -0.316
 Y CENTROID: -0.219
 POA TO CENTROID: 0.384
 HORZ SPREAD: 0.802
 VERT SPREAD: 1.888
 GROUP SPREAD: 1.948
 MIN RADIUS: 0.142
 MAX RADIUS: 1.022
 MEAN RADIUS: 0.500
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.065	0.652
2:	-0.451	0.355
3:	-0.737	0.136
4:	-0.446	0.039
5:	-0.326	-0.077
6:	-0.415	-0.439
7:	-0.415	-0.439
8:	-0.074	-0.581
9:	0.056	-0.601
10:	-0.415	-1.236



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349034. __0

TARGET NUMBER: 5

FILE DATE: 11/13/2006

FILE TIME: 23:12

X CENTROID: -0.091

Y CENTROID: -0.230

POA TO CENTROID: 0.247

HORZ SPREAD: 1.448

VERT SPREAD: 1.813

GROUP SPREAD: 1.923

MIN RADIUS: 0.111

MAX RADIUS: 1.098

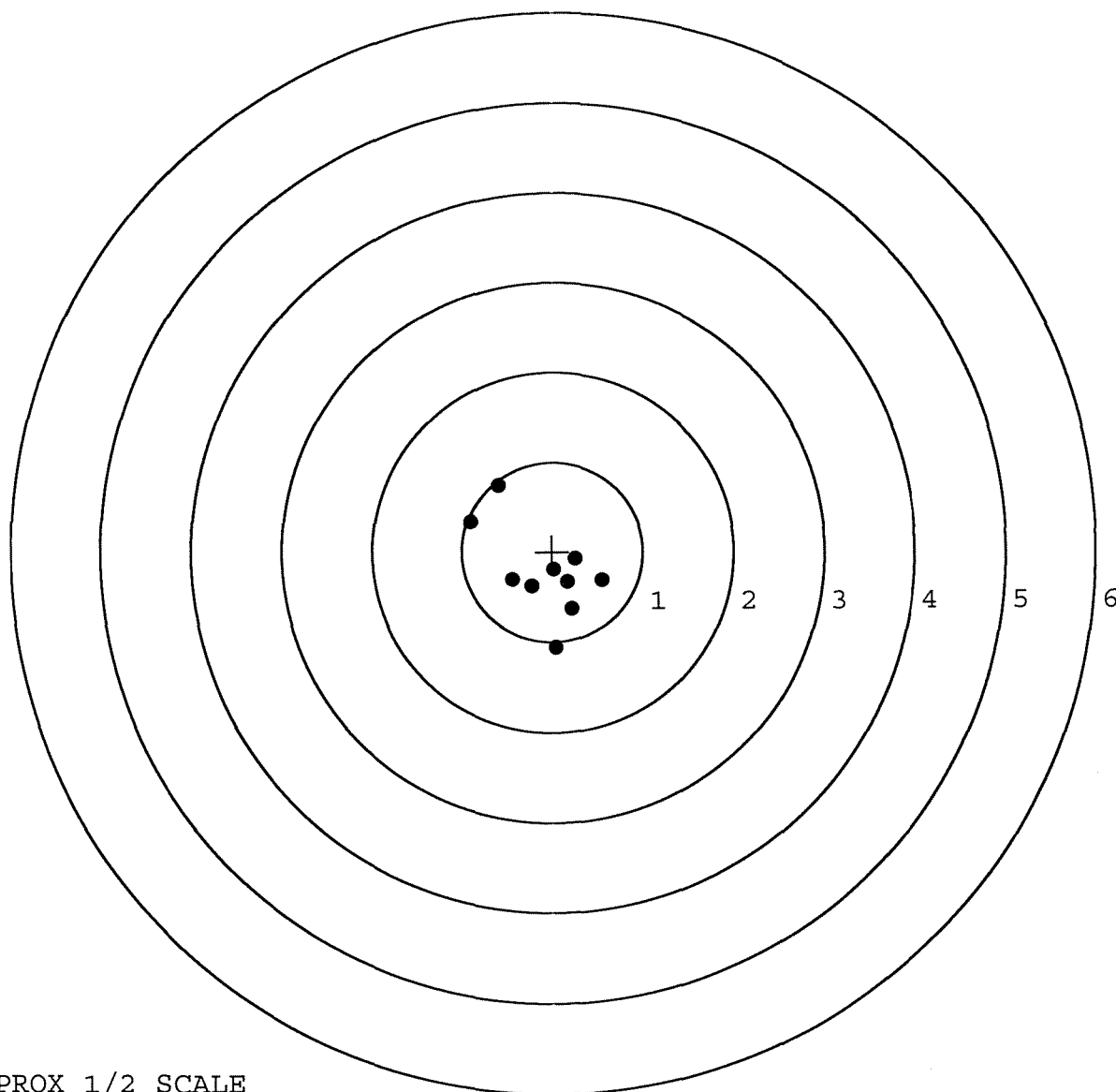
MEAN RADIUS: 0.545

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.901	0.334
2:	-0.595	0.746
3:	-0.442	-0.320
4:	-0.230	-0.391
5:	0.017	-0.205
6:	0.258	-0.085
7:	0.547	-0.323
8:	0.219	-0.645
9:	0.046	-1.067
10:	0.171	-0.343



TARGET APPROX 1/2 SCALE

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 5-5-06

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	260	243		244	
PULL #2	251	257		252	
PULL #3	244	253		256	
PULL #4	249	243		247	
PULL #5	242	249		254	
TOTAL	1246	1245		1253	
AVERAGE	249	249		250	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	304	320		
PULL #2	305	317		
PULL #3	314	316		
PULL #4	300	308		
PULL #5	305	299		
TOTAL	1528	1560		
AVERAGE	305	312		

	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	404	413		410
PULL #2	400	409		398
PULL #3	393	391		400
PULL #4	395	400		398
PULL #5	392	395		401
TOTAL	1984	2008		2007
AVERAGE	396	401		401

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

R & E NUMBER	112534		
SERIAL NUMBER	06349034		
LOG-IN DATE	5-18-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	5-23-06	RTZ
505	RE-BARREL	5-26-06	RTZ
560	ASSEMBLE	5-30-06	RTZ
600	PROOF	5-30-06	TRW
605	CHECK HEADSPACE	5-30-06	TRW
610	DIS-ASSEMBLE GUN	6-1-06	RTZ
612	MAGNAFLUX	6-2-06	APD
510	DRILL AND TAP	6-1-06	TRW
615	ROLLMARK CALIBER	9-20-06 CW	CW
618	ROTO-BLAST	6-2-06	LB
620	APPLY COATINGS	9/22/06 TB	TB
625	FINAL ASSEMBLY	6-7-06	RTZ
640	FUNCTION TEST AND	(PASS) FAIL 11-11-06	RTZ
650	TARGET	(PASS) FAIL 11-13-06	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	11-13-06	SAK
	A) HEADSPACE	(PASS) FAIL 11-15-06	RTZ
	B) TRIGGER PULL	2.73 2.72 2.73 2.70 2.65 11-14-06	RTZ
680	F) SAFETY ON FORCE	7.0 7.0 7.0 11-14-06	RTZ
	G) SAFETY OFF FORCE	3.52 3.50 3.50 11-14-06	RTZ
	I) FIRING PIN INDENT	.022 .022 .022 11-14-06	RTZ
690	PACK	11-15-06	RTA

RC
replaced

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349034

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12-20	89	RW
600	Proof	12-20	89	RW
607	Check Headspace	12-20	89	RW
610	Dis-assemble Gun	12-20	89	RW
612	Magnaflux Barrel Action	1-5-90		KCR
	Magnaflux Bolt	1-5-90		
615	Rollmark Caliber		1/3/90	JS
17	Drill and Tap Sight Holes		1/8/90	FB
618	Polish Barrel RWB		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-5-90	JS
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		1/17/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/17/90	RW
	C) Inspect Ejector Hole for Chamfer		1/17/90	RW
	D) Oil Firing Pin Ass'y		1/17/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/2/90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			1-22-90	GM
	G) Safety Off Force	4	4	4			1-22-90	GM
	H) Trigger Pull Test & Retainability						2/1/90	JS
	I) Firing Pin Indent	.020	.020	.020			1-22-90	GM
	J) Assemble Stock						1/23/90	RW
	K) Assemble Swivel Studs						3/12/90	WB
	L) Attach Front and Rear Sight Assemblies						1/26/90	RW
	M) Iron Sight Alignment						1/26/90	RW
	N) Detach Front & Rear Sights & place in numbered container						1/26/90	RW
	O) Attach Scope to Rifle						3/5/90	WB
	P) Detach & Attach Scope 20 Times						3/5/90	WB
640	Gallery Target & Test						3/6/90	JS Temp. Help
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection						3/12/90	WB
	A) Headspace							
	B) Trigger Pull	2.73	2.71	2.83	2.86	2.86	3/12/90	G.S.
	C) Function						3/12/90	WB
660	Pack						20 Mar 90	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349034DATE 22 Jan 90TESTER PJS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.29	2.63	2.07	2.73	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.50	2.04	2.71	
PULL #3	2.28	2.39	2.25	2.83	
PULL #4	2.25	2.42	2.27	2.86	
PULL #5	2.22	2.37	2.28	2.86	
TOTAL	11.34	12.30	10.92		
AVG.	2.268	2.46	2.184		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	2.98		
PULL #2	3.27	3.00		
PULL #3	3.20	3.04		
PULL #4	3.19	3.03		
PULL #5	3.23	3.03		
TOTAL	16.14	15.08		
AVG.	3.228	3.016		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.00	3.80		3.99
PULL #2	3.94	3.91		3.94
PULL #3	4.03	3.96		3.91
PULL #4	3.94	3.87		3.88
PULL #5	3.94	3.86		3.94
TOTAL	19.85	19.46		19.66
AVG.	3.97	3.892		3.932

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349034
6 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.452354
1 TO	2	.771421
1 TO	3	1.1793
1 TO	4	1.25648
1 TO	5	.827539

3 E+1 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.351
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0424
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .353552
THE AMR FOR THIS RIFLE IS: 1.031

8 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/063490034

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 4

3 in = 7

HS= 2.394

VS= 3.124

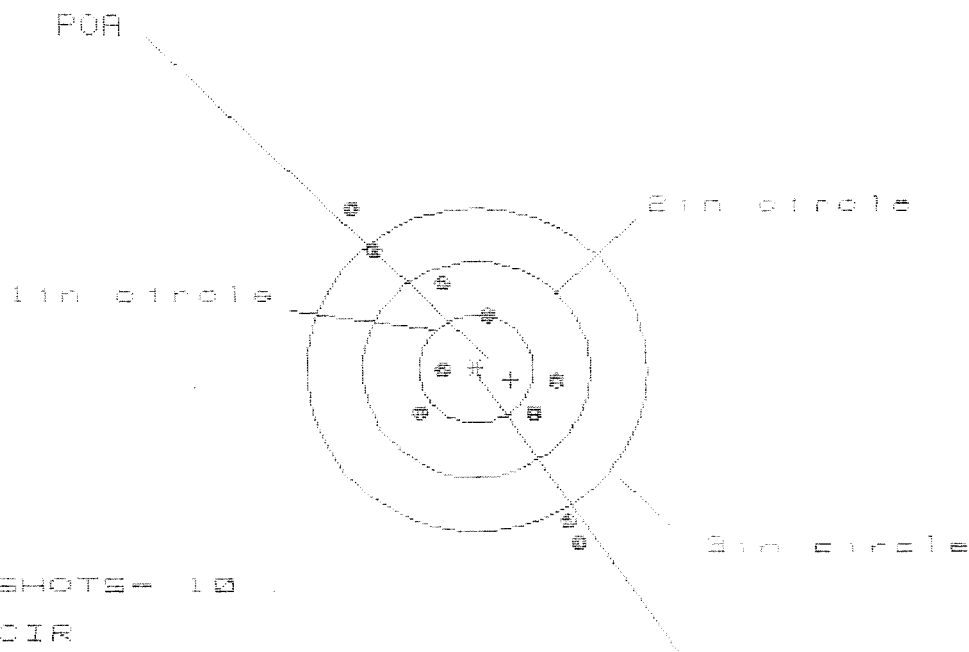
GS= 3.809

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	6
MAXIMUM X	1.376	1.075	.967
MINIMUM X	-1.018	-.865	-.787
MAXIMUM Y	1.572	1.417	1.157
MINIMUM Y	-1.552	-1.707	-1.538
CENTROID X	.420	.267	.375
CENTROID Y	-.168	-.013	-.196
POA TO CENTROID in.	.452	.267	.420
MIN RADIUS	.240	.240	.189
MEAN RADIUS	1.056	.934	.833
MAX RADIUS	1.957	1.708	1.539
HORIZONTAL SPREAD	2.394	1.940	1.754
VERTICAL SPREAD	3.124	3.124	2.687
EXTREME SPREAD	3.809	3.227	2.707
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

6 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349034

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 7

HS= 2.012

VS= 3.132

GS= 3.723

CENTROID *

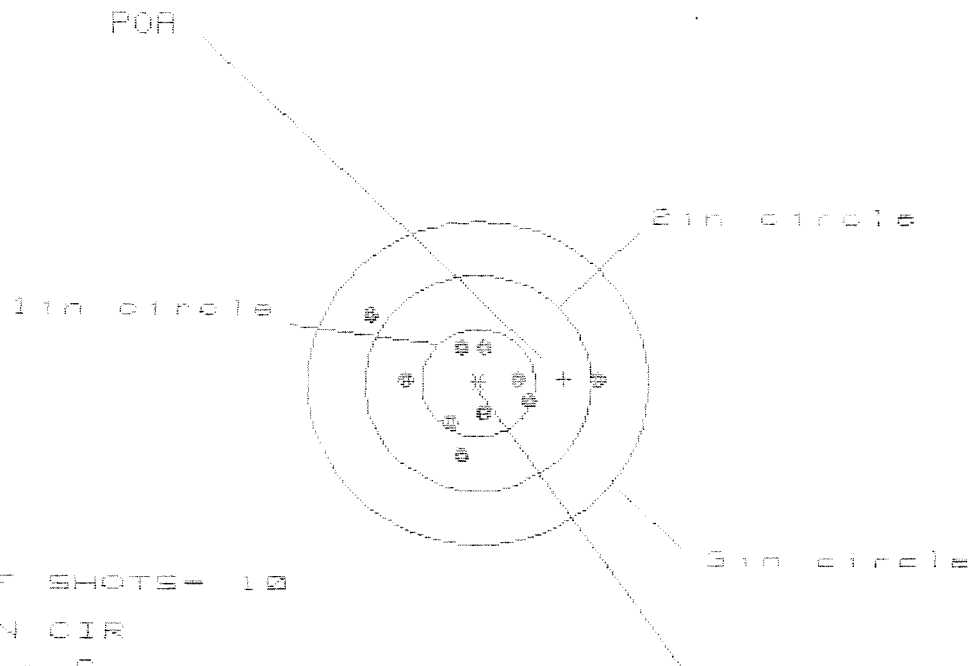
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.948	.862	.742
MINIMUM X	-1.065	-.960	-.942
MAXIMUM Y	1.494	1.312	1.121
MINIMUM Y	-1.638	-1.632	-1.468
CENTROID X	-.303	-.408	-.288
CENTROID Y	.101	.283	.119
POA TO CENTROID in.	.319	.497	.312
MIN RADIUS	.280	.232	.293
MEAN RADIUS	1.040	.927	.833
MAX RADIUS	1.892	1.846	1.645
HORIZONTAL SPREAD	2.013	1.822	1.684
VERTICAL SPREAD	3.132	2.944	2.589
EXTREME SPREAD	3.723	3.462	3.088
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		7	

6 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349034

CENTERFIRE PATTERNS

3



OF SHOTS= 10

IN CIR

1in = 6

2in = 8

3in = 10

HS= 1.989

VS= 1.273

GS= 2.062

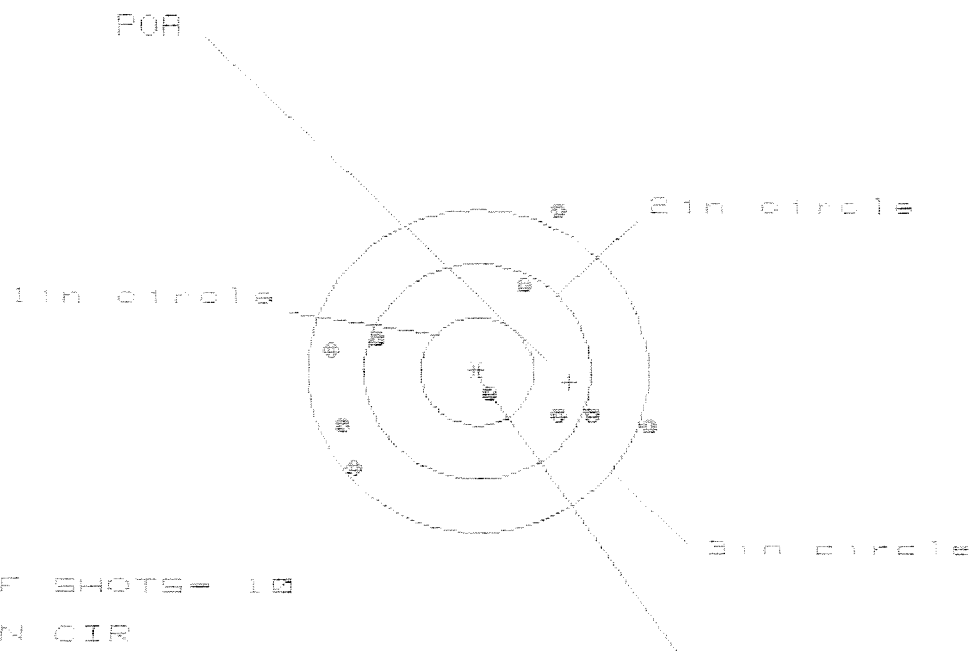
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.066	.964	.487
MINIMUM X	:	-.923	-.730	-.610
MAXIMUM Y	:	.595	.435	.450
MINIMUM Y	:	-.678	-.612	-.597
CENTROID X	:	-.752	-.650	-.770
CENTROID Y	:	-.037	-.103	-.118
POA TO CENTROID in.	:	.753	.658	.779
MIN RADIUS	:	.270	.222	.191
MEAN RADIUS	:	.584	.515	.452
MAX RADIUS	:	1.098	.971	.631
HORIZONTAL SPREAD	:	1.989	1.694	1.097
VERTICAL SPREAD	:	1.273	1.047	1.047
EXTREME SPREAD	:	2.062	1.694	1.118
NUMBER IN ONE INCH CIRCLE	=		6	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349034

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS= 2.730

VS= 2.442

GS= 3.027

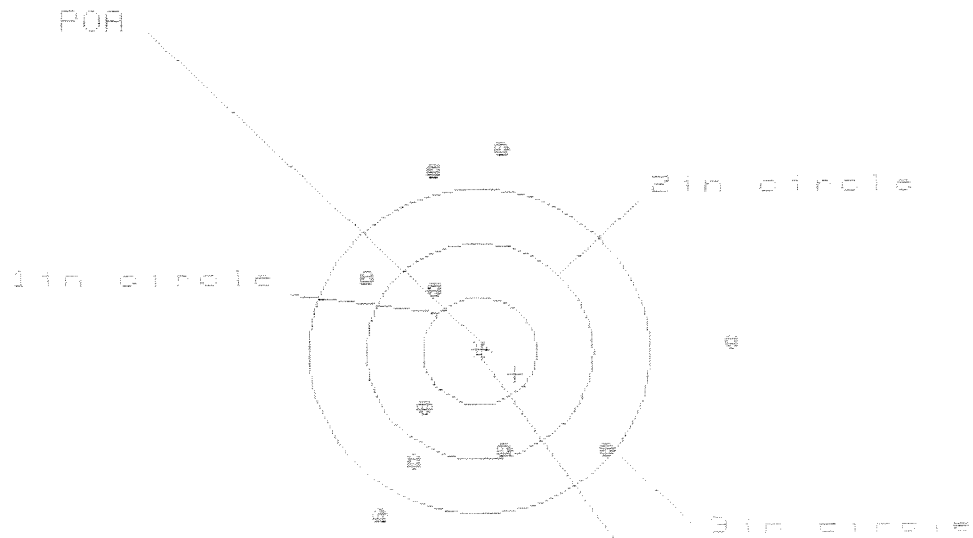
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.460	1.540	1.302
MINIMUM X	:	-1.270	-1.190	-1.998
MAXIMUM Y	:	1.542	1.019	.983
MINIMUM Y	:	-.900	-.729	-.765
CENTROID X	:	-.808	-.888	-1.000
CENTROID Y	:	.098	-.073	-.037
POA TO CENTROID in.	:	.814	.891	1.001
MIN RADIUS	:	.236	.164	.359
MEAN RADIUS	:	1.130	1.049	.982
MAX RADIUS	:	1.700	1.567	1.320
HORIZONTAL SPREAD	:	2.730	2.730	2.300
VERTICAL SPREAD	:	2.442	1.748	1.748
EXTREME SPREAD	:	3.027	2.803	2.359
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

6 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349034

CENTERFIRE PATTERNS # 5



OF SHOTS - 12

IN CIR

1in = 0

2in = 3

3in = 6

HS = 3.266

VS = 3.361

GS = 3.537

CENTROID +

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.235	1.383	1.488
MINIMUM X	-1.031	-0.782	-0.727
MAXIMUM Y	1.837	1.844	1.914
MINIMUM Y	-1.524	-1.517	-1.287
CENTROID X	-0.312	-0.561	-0.616
CENTROID Y	0.218	0.211	-0.019
POA TO CENTROID in.	0.381	0.599	0.617
MIN RADIUS	0.695	0.550	0.321
MEAN RADIUS	1.379	1.243	1.118
MAX RADIUS	2.236	1.897	1.918
HORIZONTAL SPREAD	3.266	2.165	2.165
VERTICAL SPREAD	3.361	3.361	3.201
EXTREME SPREAD	3.537	3.537	3.236
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	

RECEIVING AND ESTIMATING REPORT

R 93-10808

INITIAL EPS	CUSTOMER ORDER NO.	WOG 3 OF 3 FRED MARTIN/M24 SNIPER W/10X-M3A SCOPE W/BI POD				
DATE RECEIVED 04/28/93	DATE OPENED 04/28/93	DATE CODE XJ 12-89	SERIAL NUMBER C6349034	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62	NATO
ACCESSORIES	SOFT CASE	SCOPE MNTS	SCOPE BASE	W/STUDS		

FROM:

SHIP TO:

DEPARTMENT OF THE ARMY
USASCH DOL
STOR BR, BLDG 2131
SCHO BKS

HI 96857

DEPARTMENT OF THE ARMY
USASCH DOL
STOR BR, BLDG 2131
SCHO BKS

HI

96857

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA UPS
----------------	--------------------	--------------------------------	------------	-----------	------------

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

Barrel Replacement

PARTS	COMMENTS
Barrel Assy - 96002 Soft Rifle Carrying Case - 96076	Re Zinc Scope Rings, Scope Base Swivel Studs Re - Powder Coat Floor plate, Ia Trigger Guard, Front & Rear Sig Bases.
REPAIRMAN RW	PROOF ✓
GALLERY TESTER RW	DATE 5/4/93
	CLEAN ✓
	TEST ✓
	TARGET ✓
	PATTERN
	DATE 5/18/93
	DATE 5/18/93
	DATE 5/18/93
	DATE 5/18/93

OFFICE COPY

RD6925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 M2409406314

[illegible]

[illegible]

DATE: 24-FEB-93

MAINTENANCE REQUEST

AWAMF511

----- CUSTOMER DATA -----

UID: WALUAA
UTIL CODE: 0

HHC 1/14TH INF BN

PHONE: (808) 655-9024

----- ACTIVITY DATA -----

SUP WON: 1761
SUP UID: WH06CO

C CO. 225 FSB

PHONE: 655-2679
SHOP SEC: B

----- EQUIPMENT DATA -----

TYPE MNT REQ: 1 ID: 1 NSN: 005012402136 MODEL: M-24 SWS

NOUN: 7.62MM SNIPER SYSTEM SER NUM: C6349034/891169 QTY: 00001

ORG WON: ALUAA1300748 PRIORITY: 0313 FAILURE DETECTED: F

MI/KM: 000000 HOURS: 000000 ROUNDS:

IN WARRANTY: N LEVEL OF WORK: F ADMIN NUM:

MALFUNCTION/REMARKS: BARREL HAS SCRATCHES

PD AUTHENTICATING SIGNATURE:

----- SIGNATURE DATA -----

SUBMITTED BY: *[Signature]* ORD DATE: 93075 MIL TIME:ACCEPTED BY: *[Signature]* STATUS: ORD DATE: 93075 MIL TIME:

----- ACTION DATA -----

WORK STARTED BY: *[Signature]* STATUS: B ORD DATE: 93095 MIL TIME:INSPECTED BY: *[Signature]* STATUS: R ORD DATE: 93095 MIL TIME:PICKED UP BY: *[Signature]* STATUS: L ORD DATE: 93097 MIL TIME:

----- COMPLETION DATA -----

QTY RPR: QTY CONDEMNED: NRTS:

EVAC WON: EVAC UNIT NAME:

GFM

CONTRACT # DAAA21-87-C-0086

New Barrel

GUN SERIAL # C6349034

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/4/93	RW
600	Proof		5/4/93	RW
607	Check Headspace		5/4/93	RW
610	Dis-assemble Gun		5/4/93	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/17/93	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/17/93	RW
	C) Inspect Ejector Hole for Chamfer		5/17/93	RW
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force			
	G) Safety Off Force			
	H) Trigger Pull Test & Retainability			
	I) Firing Pin Indent			
	J) Assemble Stock			
	K) Assemble Swivel Studs			
	L) Attach Front and Rear Sight Assemblies			
	M) Iron Sight Alignment			
	N) Detach Front & Rear Sights & place in numbered container			
	O) Attach Scope to Rifle			
	P) Detach & Attach Scope 20 Times			
	Gallery Target & Test			
	A) Time			
	B) Malfunctions			
	C) Pierced Primers			
	D) Optical Clarity of Scope			
645	Inspect for Live Ammo		5/17/93	RW
655	Final Inspection			
	A) Headspace		5/18/93	RW
	B) Trigger Pull			
	C) Function		5/17/93	RW
660	Pack			

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349034
21 May 1993

CENTROIDAL DISTANCES

0 TO	1	.876741
1 TO	2	1.11646
1 TO	3	1.4556
1 TO	4	1.36515
1 TO	5	1.01287

34
52
7

(----POB

1

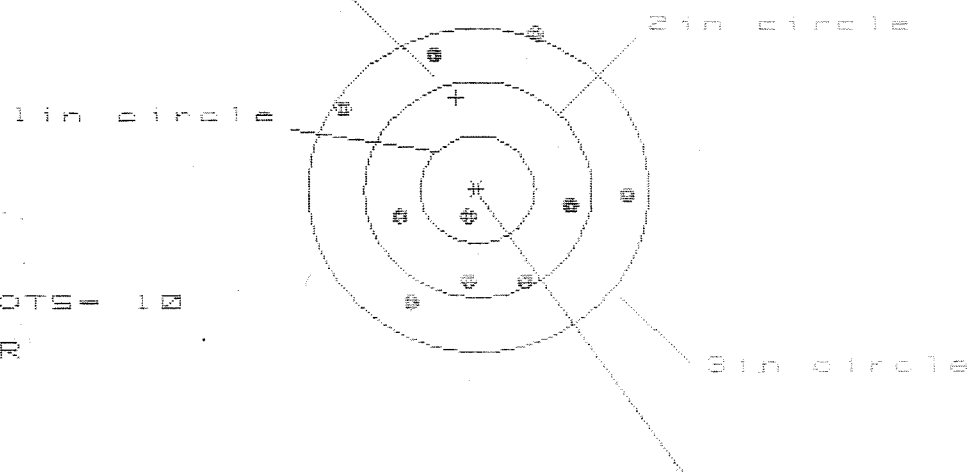
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .082
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1228
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .147661
THE AMR FOR THIS RIFLE IS: .9534

21 May 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C8349034

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.430

VS= 2.446

GS= 2.682

CENTROID #

PATTERN #

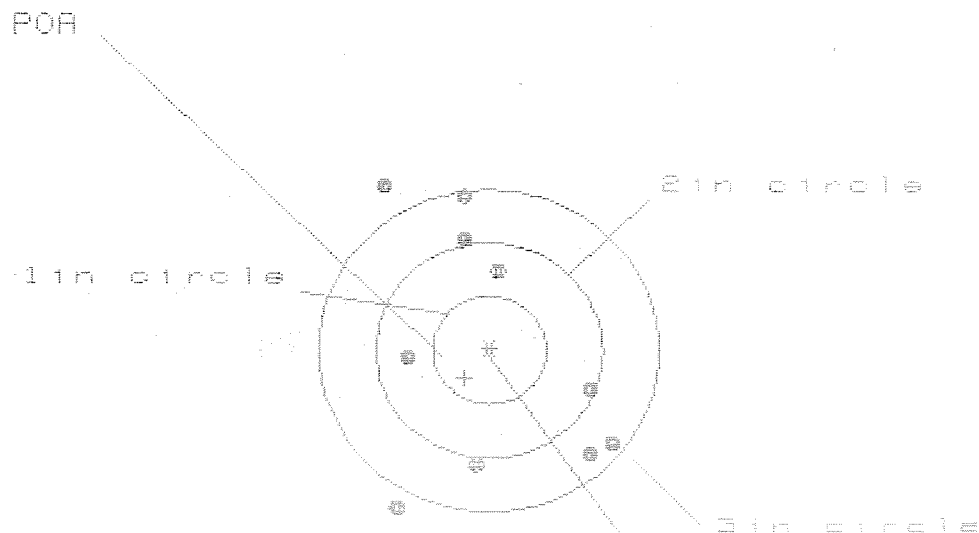
1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.282	1.336	1.200
MINIMUM X	-1.148	-1.094	-.748
MAXIMUM Y	1.437	1.428	1.546
MINIMUM Y	-1.009	-.850	-.732
CENTROID X	.185	.131	.267
CENTROID Y	-.857	-1.016	-1.134
POA TO CENTROID in.	.876	1.025	1.165
MIN RADIUS	.278	.109	.165
MEAN RADIUS	1.034	.934	.845
MAX RADIUS	1.519	1.475	1.627
HORIZONTAL SPREAD	2.430	2.430	1.948
VERTICAL SPREAD	2.446	2.278	2.278
EXTREME SPREAD	2.682	2.583	2.285
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

21 May 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C8349034

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 0

2in - 3

3in - 8

HS- 2.059

VS- 2.958

GS- 3.136

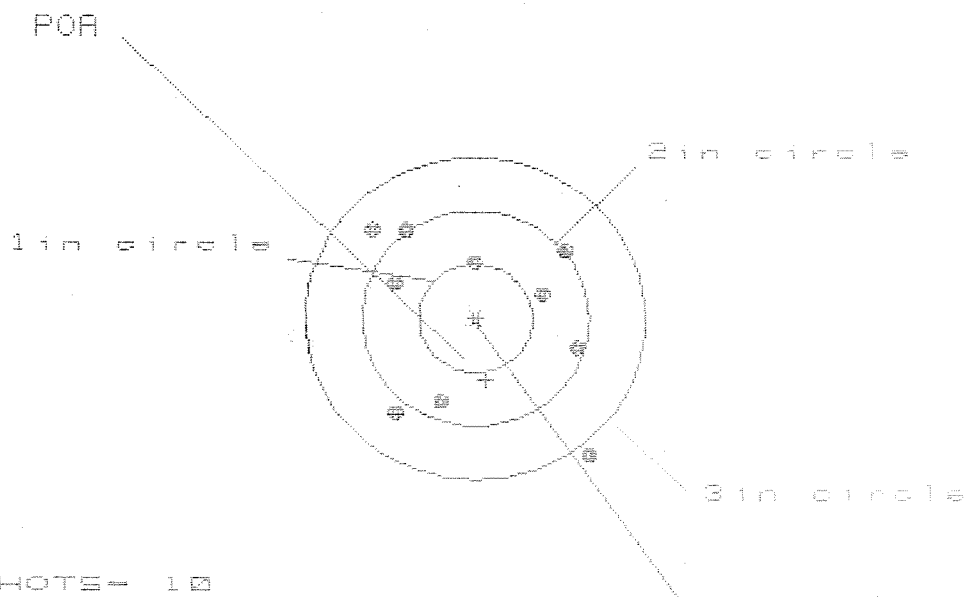
CENTROID #

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.126	1.022	.907
MINIMUM X	-.933	-.920	-.964
MAXIMUM Y	1.530	1.582	1.424
MINIMUM Y	-1.428	-1.258	-.997
CENTROID X	.217	.321	.436
CENTROID Y	.259	.089	.247
POA TO CENTROID in.	.338	.333	.501
MIN RADIUS	.708	.843	.729
MEAN RADIUS	1.220	1.143	1.080
MAX RADIUS	1.792	1.621	1.500
HORIZONTAL SPREAD	2.059	1.942	1.871
VERTICAL SPREAD	2.958	2.840	2.421
EXTREME SPREAD	3.136	2.896	2.678
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		8	

21 May 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6349034

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 7

3 in = 9

HS= 1.905

VS= 2.082

GS= 2.807

CENTROID #

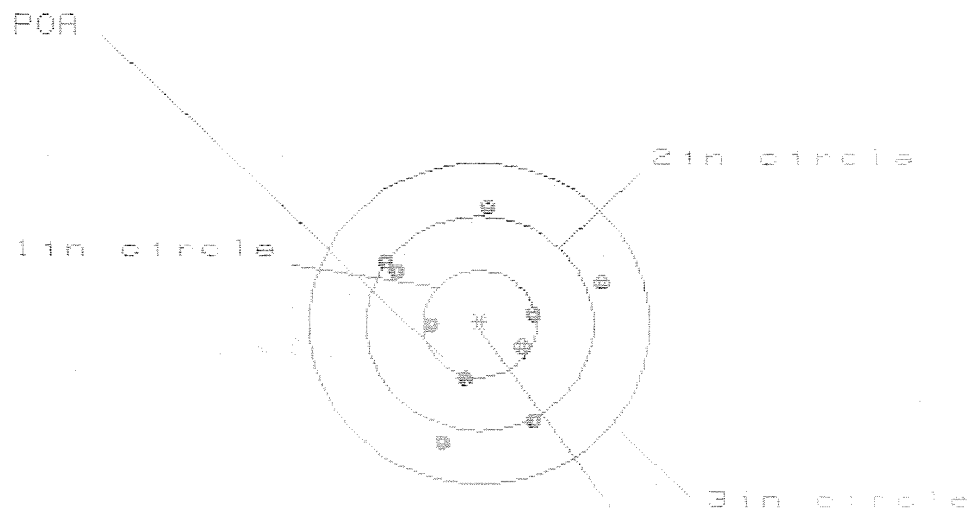
PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.957	1.034	.929
MINIMUM X	-.948	-.842	-.751
MAXIMUM Y	.818	.677	.759
MINIMUM Y	-1.264	-1.014	-.932
CENTROID X	-.092	-.198	-.093
CENTROID Y	.572	.713	.631
POA TO CENTROID in.	.580	.740	.637
MIN RADIUS	.551	.422	.492
MEAN RADIUS	.971	.879	.854
MAX RADIUS	1.585	1.202	1.197
HORIZONTAL SPREAD	1.905	1.876	1.680
VERTICAL SPREAD	2.082	1.691	1.691
EXTREME SPREAD	2.807	2.162	2.134
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

21 May 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C8349034

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 1.902

VS= 2.232

GS= 2.268

CENTROID #

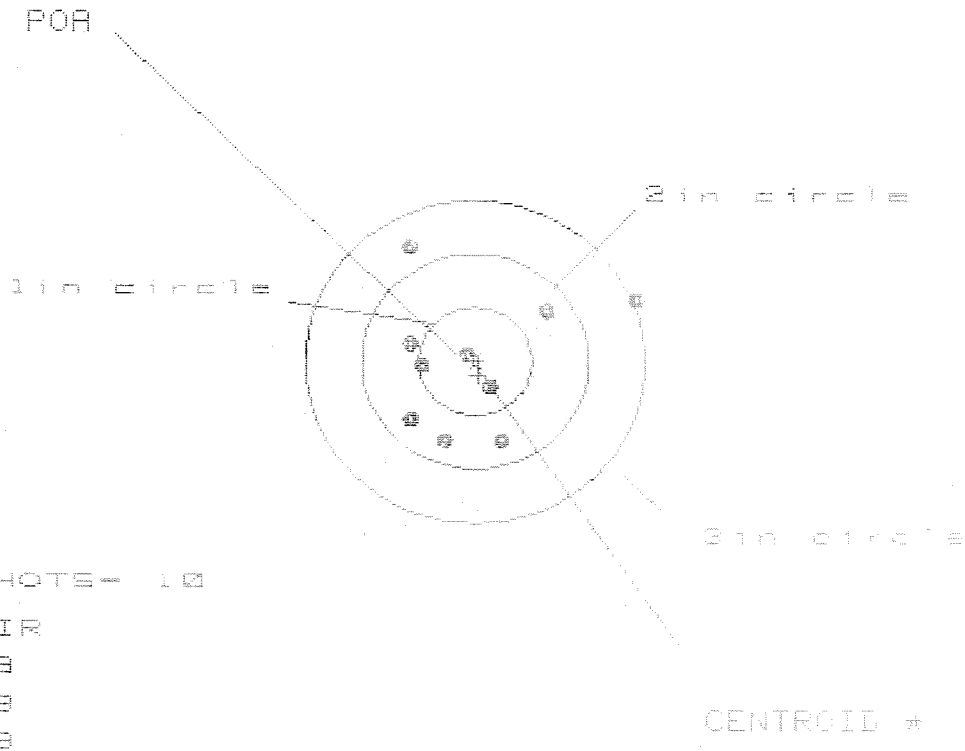
PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.058	1.024	.599
MINIMUM X	-.844	-.878	-.750
MAXIMUM Y	1.094	.967	1.002
MINIMUM Y	-1.138	-1.003	-.969
CENTROID X	.129	.163	.035
CENTROID Y	.507	.634	.600
POA TO CENTROID in.	.524	.654	.600
MIN RADIUS	.382	.428	.385
MEAN RADIUS	.815	.776	.729
MAX RADIUS	1.177	1.092	1.118
HORIZONTAL SPREAD	1.902	1.902	1.349
VERTICAL SPREAD	2.232	1.970	1.970
EXTREME SPREAD	2.268	2.003	2.003
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

21 May 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C8349034

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 2.069

VS= 1.822

GS= 2.231

PATTERN #	1	5	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.452	.799	.742
MINIMUM X	-.617	-.456	-.435
MAXIMUM Y	1.063	1.121	.675
MINIMUM Y	-.759	-.701	-.560
CENTROID X	-.029	-.190	-.133
CENTROID Y	.133	.075	-.066
POA TO CENTROID in.	.136	.204	.148
MIN RADIUS	.114	.199	.190
MEAN RADIUS	.727	.610	.523
MAX RADIUS	1.544	1.211	1.003
HORIZONTAL SPREAD	2.069	1.255	1.177
VERTICAL SPREAD	1.822	1.822	1.235
EXTREME SPREAD	2.231	1.990	1.527
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	