

C6225523

MODEL 700™ M24

Model 700 M24™

Action _____

Barrel Length _____

Capacity _____

Order No. 5715

* Includes 1 in chamber.

Remington

Smear®

00299

5081

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225523

OPERATION		DATE	INT
#	NAME		
575- 580	ASSEMBLY	2 26	FB
600	PROOF	2 29	RW
615	MAGNAFLUX BARREL	5/13/88	pfl.
	MAGNAFLUX BOLT	5/13/88	pfl.
620	COATING	8/11/88	JA
625- 630	FINAL ASSEMBLY		
635	TEST		
640	TARGET		
	FIRING PIN INDENT		
660	PACK		

SCOPE #
1706

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225523

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill & Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coatings (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/23/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/23/88	RW
	C) Inspect Ejector Hole for Chamfer		8/23/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		8/23/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		24 Aug 88	JUN W.B.
	F) Safety on Force	6 1/4 6 6	24 Aug 88	W.B.
	G) Safety off Force	3 3 3	24 Aug 88	W.B.
	H) Trigger Pull Test & Retainability		24 Aug 88	W.B.
	I) Firing Pin Indent	.0215 .022 .022	24 Aug 88	W.B.
	J) Assemble Stock		8/25/88	RW
	K) Assemble Swivel Studs			
	L) Attach Front & Rear Sight Assemblies		8/25/88	RW
	M) Iron Sight Alignment		9/2/88	RW
	N) Detach Front & Rear Sights & place in numbered container		9/2/88	RW
	O) Attach Scope to Rifle	44 R 160 L 48 E	9/2/88	RW
	P) Detach & Attach Scope 20 times		9/8/88	W.B.
640	Gallery Target & Test	1320	9/12/88	D.H.
	A) Optical Clarity of Scope	OK	9/12/88	D.H.
645	Inspect for Live Ammo		9/13/88	W.B.
655	Final Inspection			
	A) Headspace	OK	9/29/88	JU
	B) Trigger Pull	OK	9/29/88	JU
	C) Function	OK	9/29/88	JU
660	Pack		10-24-88	J.2

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C 6275523
DATE 24 Aug 88
TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.51	2.26	2.26 2.41	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.24	2.28 2.44	
PULL #3	2.68	2.20	2.20 2.45	
PULL #4	2.66	2.19	2.14 2.38	
PULL #5	2.55	2.19	2.25 2.40	
TOTAL	12.95	11.08	11.13 12.08	
AVG.	2.59	2.21	2.23 2.416	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.13		
PULL #2	3.27	3.31		
PULL #3	3.17	3.40		
PULL #4	3.15	3.22		
PULL #5	3.28	3.35		
TOTAL	16.13	16.41		
AVG.	3.22	3.28		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	3.99	4.35	4.17
PULL #2	4.14	4.05	4.27	4.19
PULL #3	3.96	4.10	4.21	4.03
PULL #4	4.17	4.06	4.29	4.20
PULL #5	4.04	3.93	4.32	4.04
TOTAL	20.48	20.13	21.44	20.63
AVG.	4.09	4.02	4.29	4.13

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225523

CENTROIDAL DISTANCES

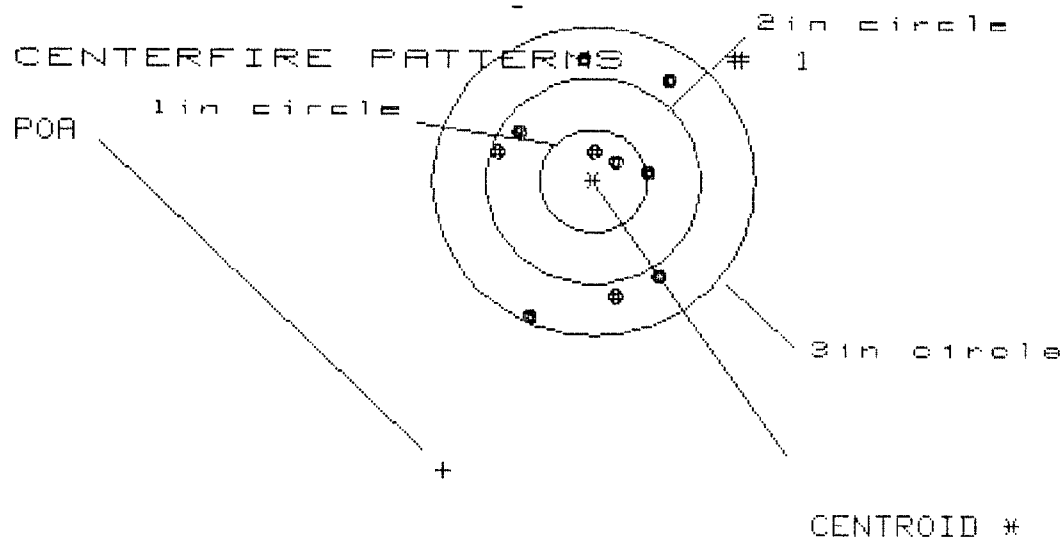
Ø TO	1	3.14216
1 TO	2	1.01329
1 TO	3	2.18167
1 TO	4	1.06658
1 TO	5	.948806

1
1.9
3
+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: 1.9124
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 2.0022
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 2.76877
THE AMR FOR THIS RIFLE IS: .9706

12 Sep 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225523A



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 1.610

VS= 2.487

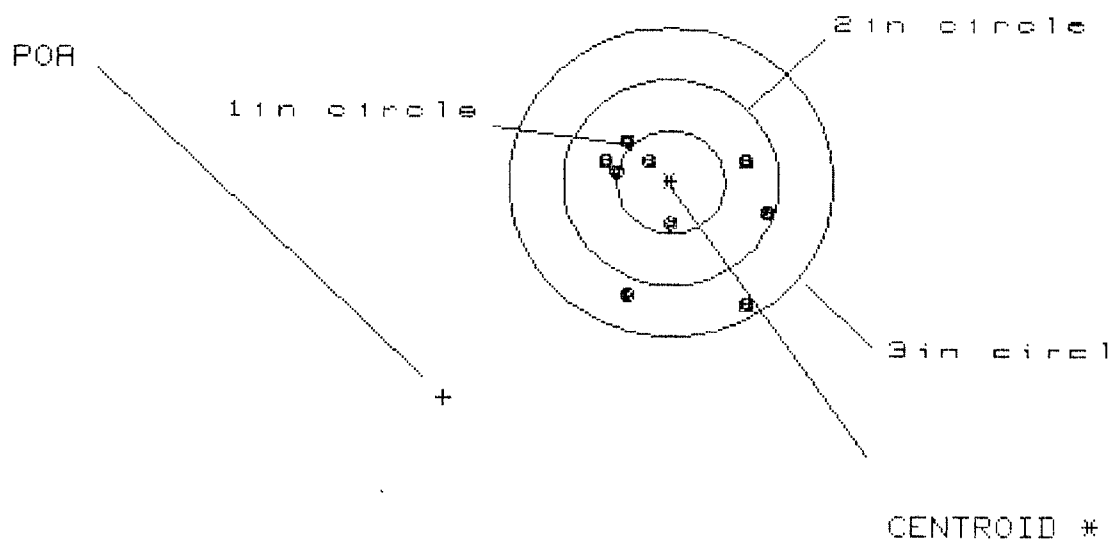
GS= 2.651

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.703	.638	.623
MINIMUM X	-.907	-.972	-.892
MAXIMUM Y	1.144	.994	1.097
MINIMUM Y	-1.343	-1.313	-1.210
CENTROID X	1.392	1.457	1.377
CENTROID Y	2.817	2.967	2.864
POA TO CENTROID in.	3.142	3.305	3.178
MIN RADIUS	.296	.189	.285
MEAN RADIUS	.910	.808	.796
MAX RADIUS	1.465	1.319	1.227
HORIZONTAL SPREAD	1.610	1.610	1.515
VERTICAL SPREAD	2.487	2.307	2.307
EXTREME SPREAD	2.651	2.324	2.324
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

12 Sep 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225523A

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.448

VS= 3.159

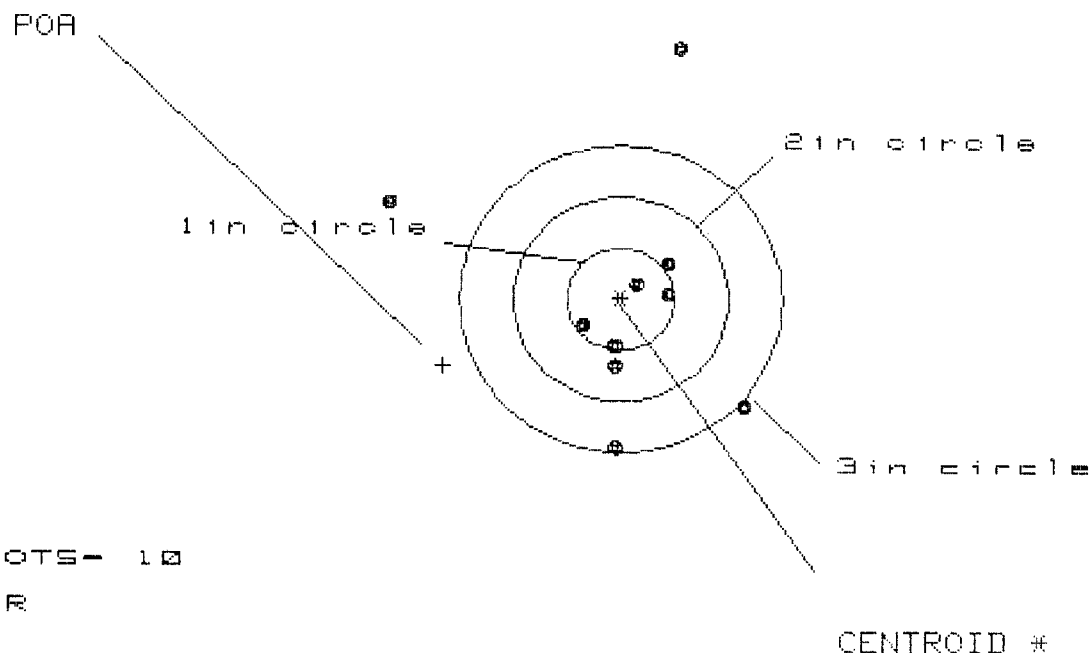
GS= 3.248

PATTERN #	24	25	26
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.877	.868	.950
MINIMUM X	-.571	-.580	-.498
MAXIMUM Y	1.935	.619	.493
MINIMUM Y	-1.224	-1.009	-.968
CENTROID X	2.106	2.115	2.033
CENTROID Y	2.098	1.883	2.009
POA TO CENTROID in.	2.972	2.832	2.858
MIN RADIUS	.309	.228	.338
MEAN RADIUS	.849	.725	.633
MAX RADIUS	1.937	1.206	1.019
HORIZONTAL SPREAD	1.448	1.448	1.448
VERTICAL SPREAD	3.159	1.628	1.461
EXTREME SPREAD	3.248	1.950	1.666
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

12 Sep 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225523A

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 4

2in = 6

3in = 7

HS= 3.345

VS= 3.889

GS= 3.948

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.144	1.209	.942
MINIMUM X	:	-2.201	-2.136	-.600
MAXIMUM Y	:	2.447	1.247	.728
MINIMUM Y	:	-1.442	-1.170	-1.014
CENTROID X	:	1.653	1.588	1.855
CENTROID Y	:	.651	.379	.223
POA TO CENTROID in.	:	1.776	1.633	1.868
MIN RADIUS	:	.238	.154	.211
MEAN RADIUS	:	1.076	.873	.661
MAX RADIUS	:	2.516	2.473	1.150
HORIZONTAL SPREAD	:	3.345	3.345	1.542
VERTICAL SPREAD	:	3.889	2.417	1.742
EXTREME SPREAD	:	3.948	3.929	1.821
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	7		

12 Sep 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225523A

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS = 2.077

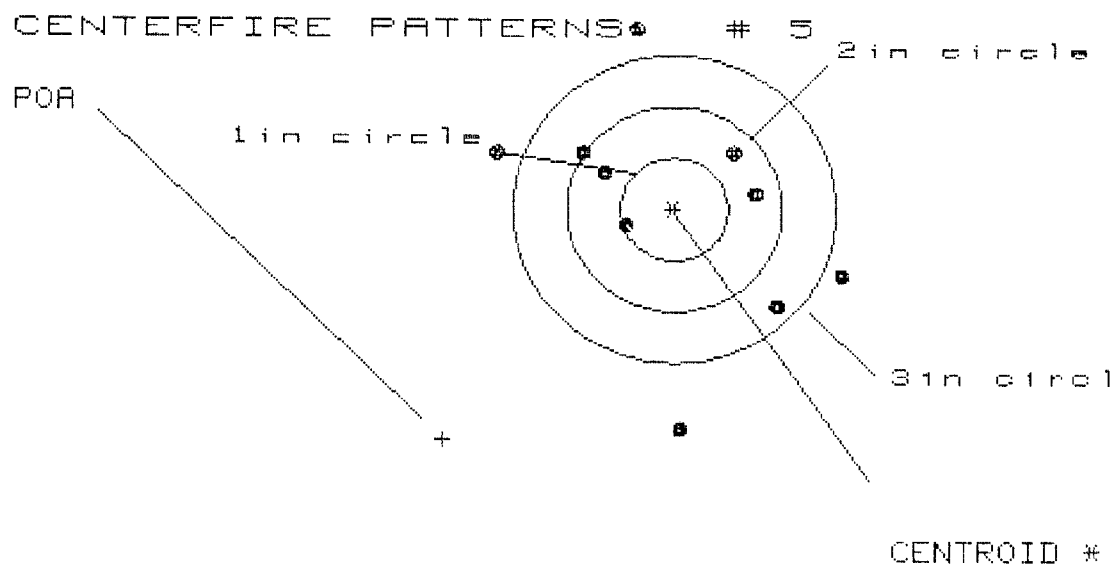
VS = 2.187

GS = 2.787

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.284	.584	.502
MINIMUM X	-.793	-.650	-.462
MAXIMUM Y	1.042	.952	.985
MINIMUM Y	-1.145	-1.235	-1.116
CENTROID X	2.262	2.119	2.200
CENTROID Y	2.200	2.290	2.171
POA TO CENTROID in.	3.155	3.120	3.091
MIN RADIUS	.159	.043	.152
MEAN RADIUS	.779	.681	.616
MAX RADIUS	1.521	1.240	1.116
HORIZONTAL SPREAD	2.077	1.234	.965
VERTICAL SPREAD	2.187	2.187	2.101
EXTREME SPREAD	2.787	2.314	2.130
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

12 Sep 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225523A



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 6

HS= 3.219

VS= 3.804

GS= 3.818

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.588	1.589	1.550
MINIMUM X	:	-1.631	-1.630	-1.669
MAXIMUM Y	:	1.708	1.475	.513
MINIMUM Y	:	-2.096	-1.214	-1.030
CENTROID X	:	2.149	2.148	2.187
CENTROID Y	:	2.245	2.478	2.294
POA TO CENTROID in.	:	3.188	3.280	3.170
MIN RADIUS	:	.478	.591	.531
MEAN RADIUS	:	1.239	1.118	1.067
MAX RADIUS	:	2.096	1.793	1.746
HORIZONTAL SPREAD	:	3.219	3.219	3.219
VERTICAL SPREAD	:	3.804	2.689	1.543
EXTREME SPREAD	:	3.818	3.422	3.422
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	4		
NUMBER IN THREE INCH CIRCLE =	:	6		

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: RE00131875

Serial: C6225523 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 7/30/2007 10:55:59 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: A CO 1/10SF BN

A CO 1/10SF BN

Address 1: PANZER KASERNE

PANZER KASERNE

Address 2: APO

PO Box:

APO

PO Box:

City: WHO940

WHO940

State: AE

Zip Code: 09107

Country: IT

State: AE

Zip Code: 09107

Country: IT

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

7/30/2007

12:49 PM

CAPS

NUM

INS

SCRL



12:49 PM

Serial Number:

C6225523

Model: M24 SWS



RE00131875

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225523.__0

FILE DATE AND TIME: 09/26/2007 08:16

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.053
The Average Y Centroid of the Five Target Set:	0.006
The Average Point of Impact of the Five Target Set:	0.053
The Average Mean Radius of the Five Target Set:	0.920
The Distance from POA to Centroid Target #1:	0.477
The Distance from Centroid Target #2 to Centroid Target #1:	0.521
The Distance from Centroid Target #3 to Centroid Target #1:	0.637
The Distance from Centroid Target #4 to Centroid Target #1:	0.479
The Distance from Centroid Target #5 to Centroid Target #1:	0.527

SERIAL NUMBER: C6225523.___0

TARGET NUMBER: 1

FILE DATE: 09/26/2007

FILE TIME: 08:16

POINT#	X	Y
--------	---	---

1:	1.012	-0.674
----	-------	--------

2:	1.076	-0.098
----	-------	--------

3:	0.259	0.579
----	-------	-------

4:	-0.275	0.417
----	--------	-------

5:	-0.081	0.071
----	--------	-------

6:	-0.042	-0.733
----	--------	--------

7:	-0.268	-0.415
----	--------	--------

8:	-1.243	1.399
----	--------	-------

9:	-2.352	0.904
----	--------	-------

10:	-2.594	0.124
-----	--------	-------

X CENTROID: -0.451

Y CENTROID: 0.157

POA TO CENTROID: 0.477

HORZ SPREAD: 3.670

VERT SPREAD: 2.132

GROUP SPREAD: 3.693

MIN RADIUS: 0.314

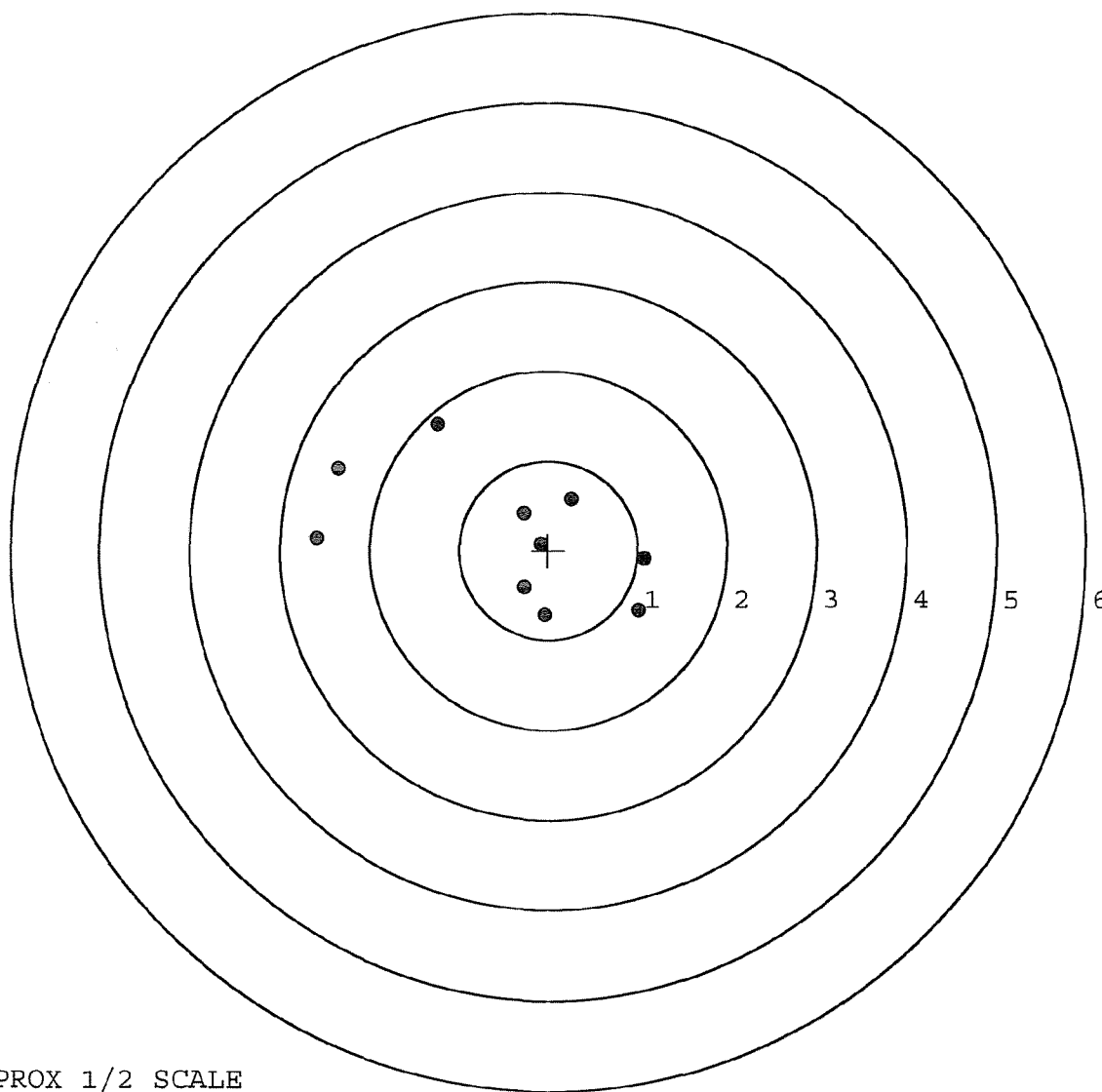
MAX RADIUS: 2.143

MEAN RADIUS: 1.199

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 6



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225523. __0

TARGET NUMBER: 2

FILE DATE: 09/26/2007

FILE TIME: 08:16

POINT#	X	Y
--------	---	---

1:	-0.063	-1.399
----	--------	--------

2:	-0.324	-0.752
----	--------	--------

3:	0.133	-0.600
----	-------	--------

4:	0.084	-0.277
----	-------	--------

5:	-0.525	-0.196
----	--------	--------

6:	-0.607	0.454
----	--------	-------

7:	0.031	0.632
----	-------	-------

8:	0.524	0.544
----	-------	-------

9:	0.379	0.429
----	-------	-------

10:	0.369	0.129
-----	-------	-------

X CENTROID: 0.000

Y CENTROID: -0.104

POA TO CENTROID: 0.104

HORZ SPREAD: 1.131

VERT SPREAD: 2.031

GROUP SPREAD: 2.033

MIN RADIUS: 0.193

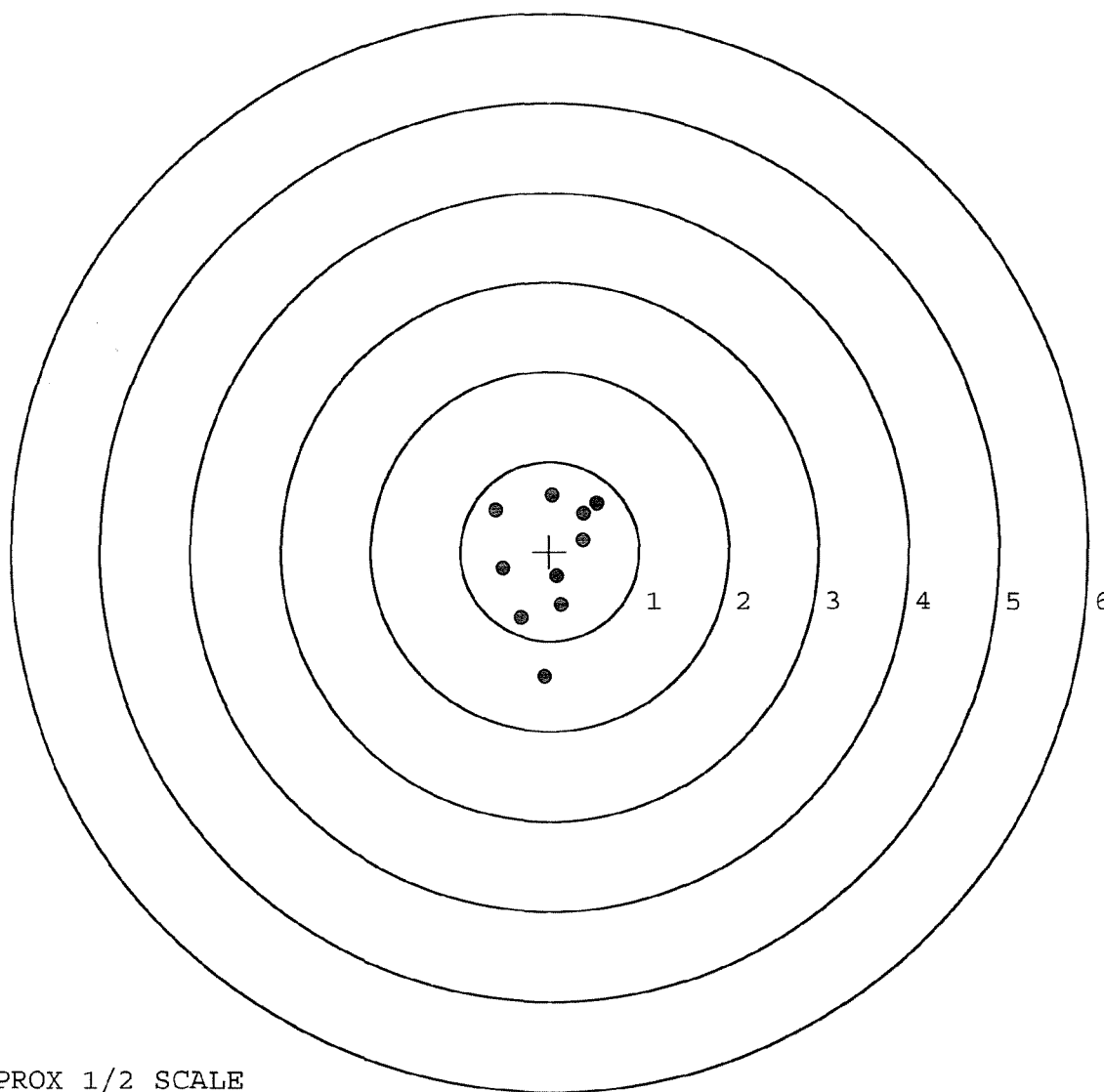
MAX RADIUS: 1.297

MEAN RADIUS: 0.674

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225523. __0

TARGET NUMBER: 3

FILE DATE: 09/26/2007

FILE TIME: 08:16

POINT#	X	Y
1:	-1.092	0.029
2:	-0.710	-0.183
3:	-0.569	-0.814
4:	0.067	-0.404
5:	0.865	-0.753
6:	0.777	-0.583
7:	1.148	0.389
8:	0.615	0.895
9:	0.428	0.287
10:	-0.153	0.264

X CENTROID: 0.138

Y CENTROID: -0.087

POA TO CENTROID: 0.163

HORZ SPREAD: 2.240

VERT SPREAD: 1.709

GROUP SPREAD: 2.269

MIN RADIUS: 0.324

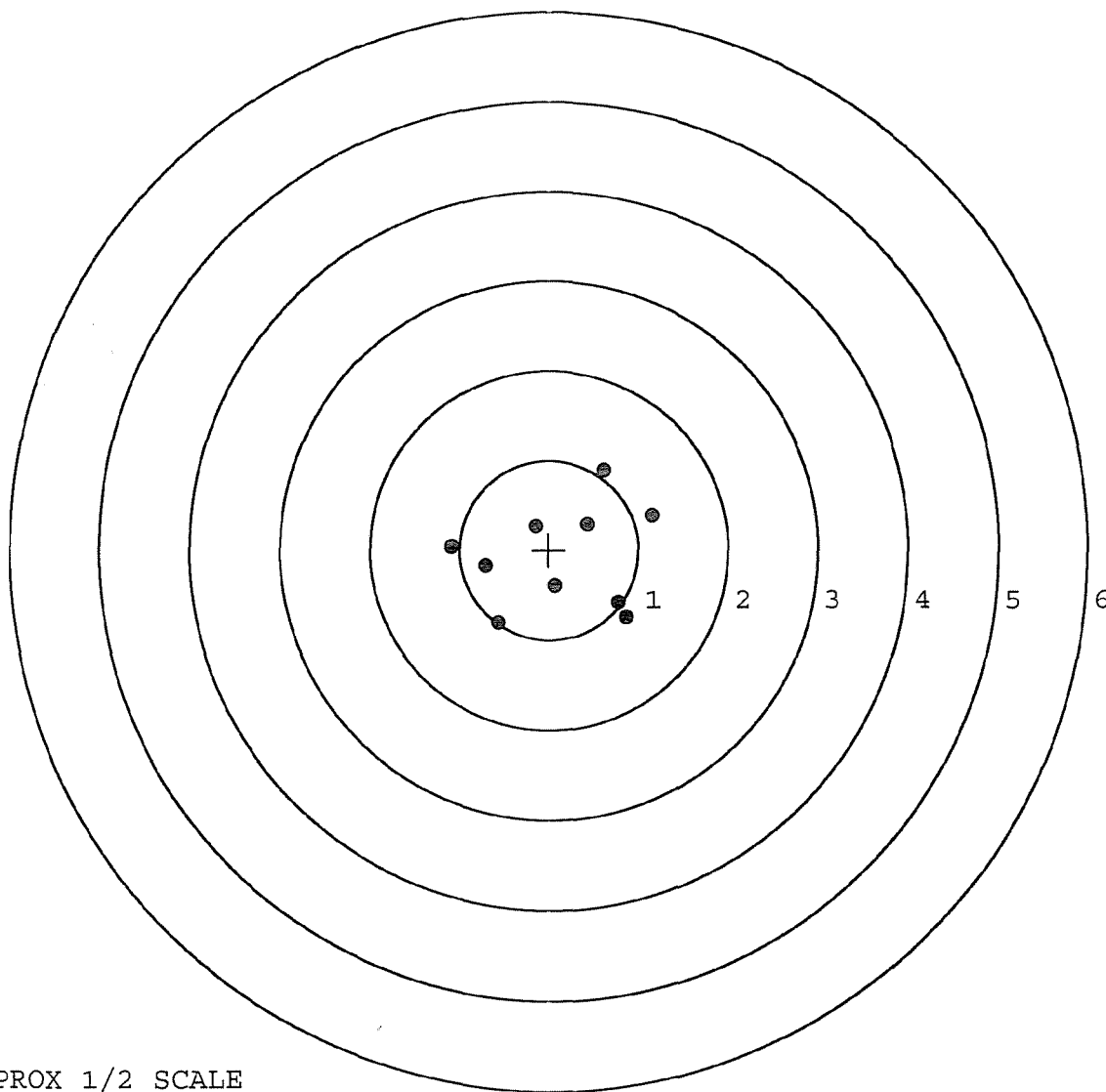
MAX RADIUS: 1.235

MEAN RADIUS: 0.836

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225523. __0

TARGET NUMBER: 4

FILE DATE: 09/26/2007

FILE TIME: 08:16

POINT#	X	Y
1:	-1.650	0.534
2:	-1.364	-0.036
3:	-0.944	-0.230
4:	-0.716	-0.451
5:	-0.012	-0.013
6:	0.347	0.309
7:	1.005	0.772
8:	0.728	1.124
9:	1.619	-0.342
10:	1.264	-0.253

X CENTROID: 0.028

Y CENTROID: 0.141

POA TO CENTROID: 0.144

HORZ SPREAD: 3.269

VERT SPREAD: 1.575

GROUP SPREAD: 3.384

MIN RADIUS: 0.159

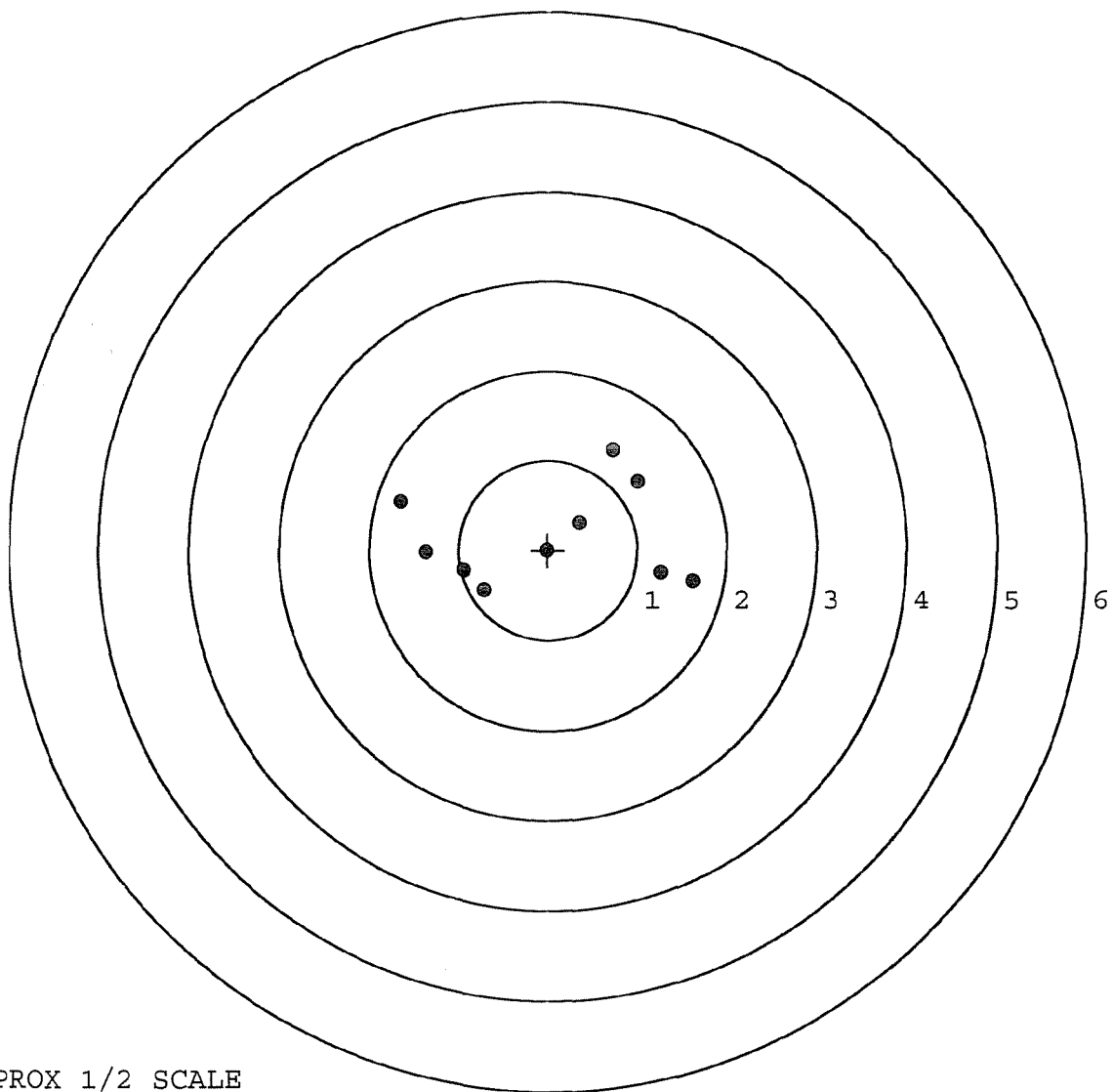
MAX RADIUS: 1.723

MEAN RADIUS: 1.097

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 8

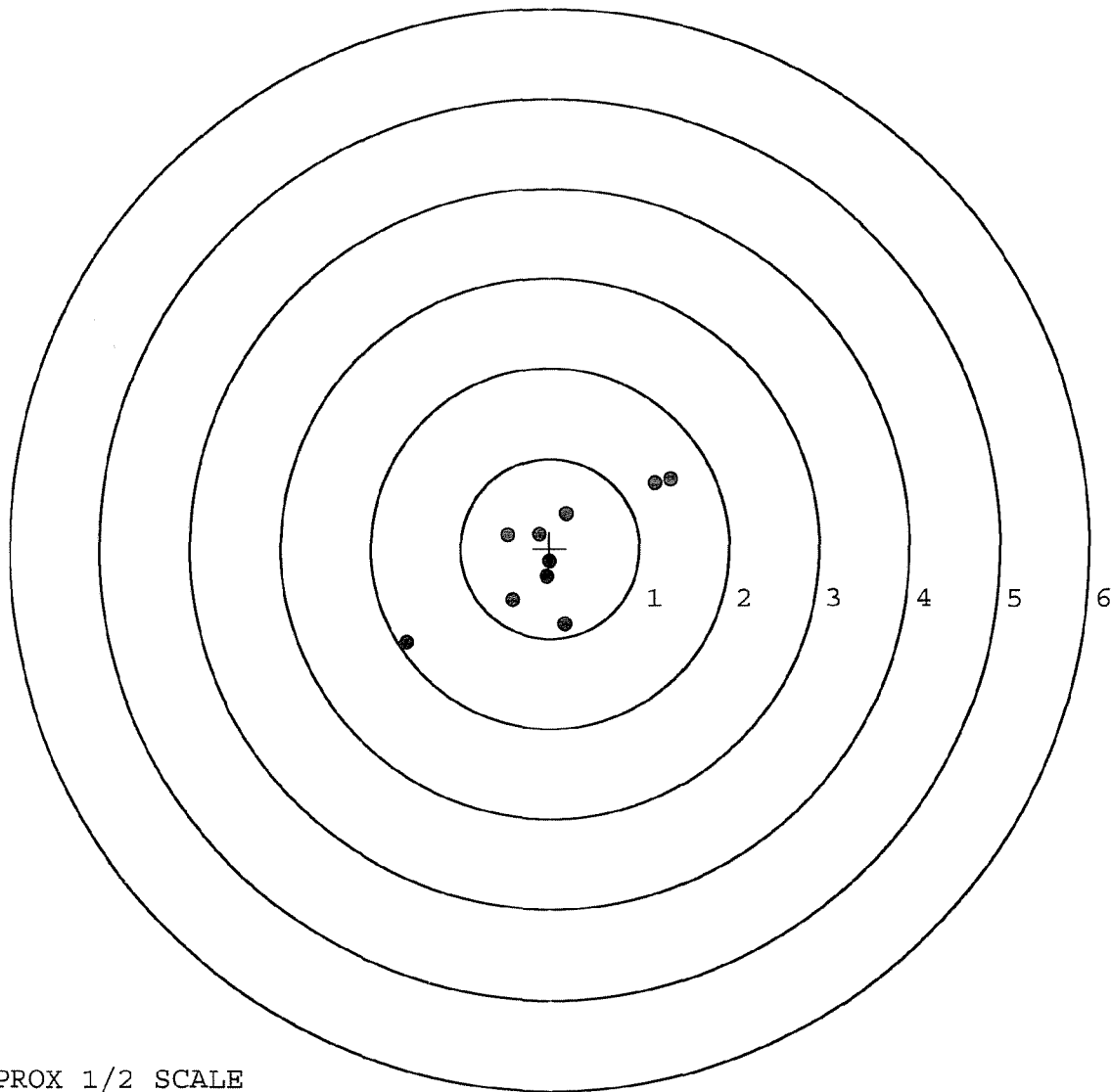


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225523.___0
TARGET NUMBER: 5
FILE DATE: 09/26/2007
FILE TIME: 08:16

X CENTROID: 0.021
Y CENTROID: -0.077
POA TO CENTROID: 0.080
HORZ SPREAD: 2.946
VERT SPREAD: 1.826
GROUP SPREAD: 3.466
MIN RADIUS: 0.080
MAX RADIUS: 1.895
MEAN RADIUS: 0.796
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-1.601	-1.058
2:	0.168	-0.845
3:	-0.414	-0.584
4:	-0.034	-0.318
5:	-0.004	-0.153
6:	-0.478	0.143
7:	-0.125	0.157
8:	1.345	0.768
9:	1.168	0.729
10:	0.185	0.388



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		131875	
SERIAL NUMBER		C6225523	
LOG-IN DATE		7-30-07	

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-27-07	RJZ
505	RE-BARREL	9-14-07	RJZ
560	ASSEMBLE	9-14-07	RJZ
600	PROOF	9/14/07	mm
605	CHECK HEADSPACE	9/14/07	mm
610	DIS-ASSEMBLE GUN	9-17-07	TRW
612	MAGNAFLUX	9-18-07	NRB
510	DRILL AND TAP	9-17-07	TRW
615	ROLLMARK CALIBER	9-17-07	CW
618	ROTO-BLAST	9-18-07	ES
620	APPLY COATINGS	9/21/07	TRW
625	FINAL ASSEMBLY	9-25-07	RJZ
640	FUNCTION TEST AND	9/25/07	mm
650	TARGET	9/25/07	mm
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-25-07	SD
	A) HEADSPACE	9/27/07	mm
	B) TRIGGER PULL	9/27/07	mm
		2.44 2.41 2.43 2.43 2.43 9-26-07	DA
680	F) SAFETY ON FORCE	4.4 4.0 4.0 9-26-07	DA
	G) SAFETY OFF FORCE	2.0 2.5 2.5 9-26-07	DA
	I) FIRING PIN INDENT	.023 .0235 .0235 9-26-07	DA
690	PACK	10-4-07	DA