

G6695404

Replaces

G6391096

Repair Inquiry

Repair Number: RE00140419

Serial: G6391096 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

High Priority

Status:

Closed 1/22/2008 3:15:59 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION DIV DFEL

TRANSPORTATION DIV DFEL

Address 1: 6759 MITCHELL AVENUE

6759 MITCHELL AVENUE

Address 2: BLDG 1836

PO Box:

BLDG 1836

PO Box:

City: FORT BENNING

FORT BENNING

State: GA

Zip Code: 31905

Country: US

State: GA

Zip Code: 31905

Country: US

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
A010	Hard Case	1
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1
D000	BI POD ALL BROKEN	1

nagletj

1/23/2008

1:06 PM

NUM

NEW G 6695404

Serial Number: ~~G6391096~~

Model: M24 SWS



RE00140419

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6695404.__0
FILE DATE AND TIME: 02/08/2008 13:55

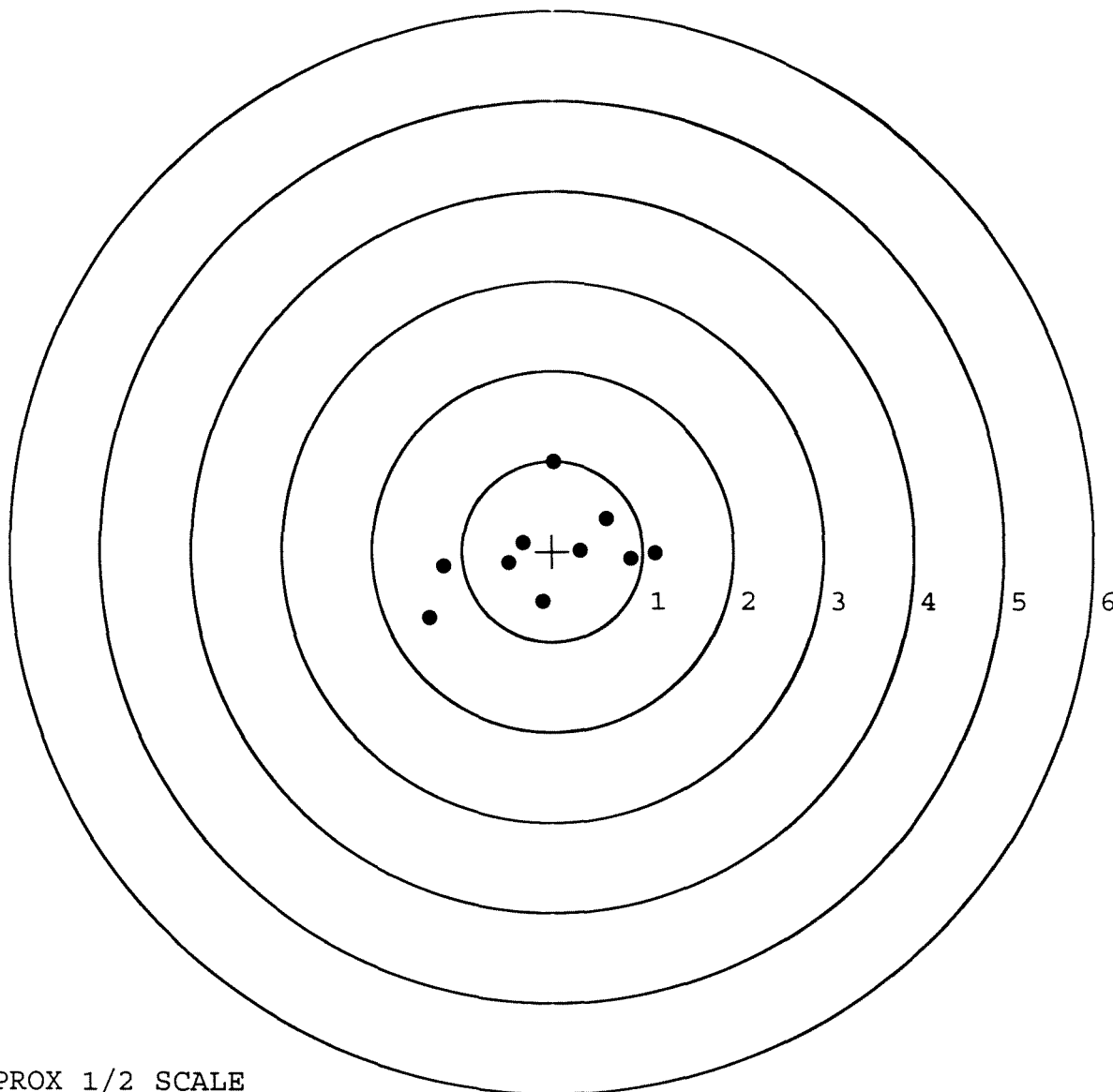
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.023
The Average Y Centroid of the Five Target Set:	0.045
The Average Point of Impact of the Five Target Set:	0.051
The Average Mean Radius of the Five Target Set:	0.679
The Distance from POA to Centroid Target #1:	0.062
The Distance from Centroid Target #2 to Centroid Target #1:	0.164
The Distance from Centroid Target #3 to Centroid Target #1:	0.060
The Distance from Centroid Target #4 to Centroid Target #1:	0.199
The Distance from Centroid Target #5 to Centroid Target #1:	0.156

SERIAL NUMBER: G6695404. __0
 TARGET NUMBER: 1
 FILE DATE: 02/08/2008
 FILE TIME: 13:55

X CENTROID: -0.056
 Y CENTROID: -0.025
 POA TO CENTROID: 0.062
 HORZ SPREAD: 2.504
 VERT SPREAD: 1.731
 GROUP SPREAD: 2.605
 MIN RADIUS: 0.294
 MAX RADIUS: 1.492
 MEAN RADIUS: 0.818
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.015	0.991
2:	-1.202	-0.172
3:	-1.366	-0.740
4:	-0.325	0.094
5:	-0.484	-0.127
6:	-0.110	-0.562
7:	1.138	-0.023
8:	0.870	-0.083
9:	0.308	0.009
10:	0.594	0.363

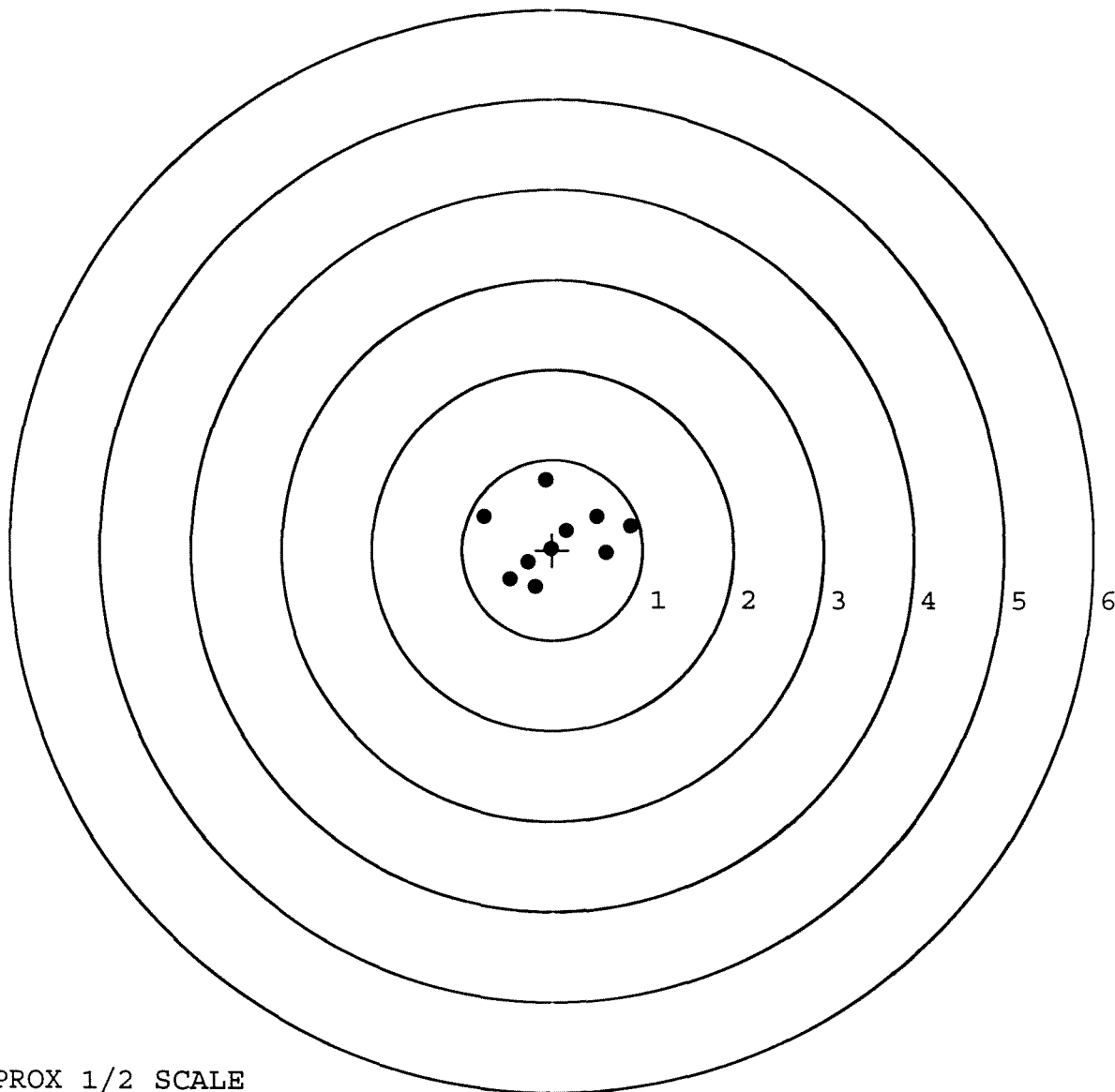


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695404. __0
 TARGET NUMBER: 2
 FILE DATE: 02/08/2008
 FILE TIME: 13:55

X CENTROID: 0.032
 Y CENTROID: 0.114
 POA TO CENTROID: 0.118
 HORZ SPREAD: 1.619
 VERT SPREAD: 1.187
 GROUP SPREAD: 1.622
 MIN RADIUS: 0.107
 MAX RADIUS: 0.846
 MEAN RADIUS: 0.534
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.075	0.779
2:	-0.756	0.375
3:	-0.467	-0.322
4:	-0.193	-0.408
5:	-0.270	-0.139
6:	-0.016	0.018
7:	0.149	0.216
8:	0.487	0.375
9:	0.863	0.272
10:	0.595	-0.028



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695404. __0

TARGET NUMBER: 3

FILE DATE: 02/08/2008

FILE TIME: 13:55

X CENTROID: -0.105

Y CENTROID: 0.010

POA TO CENTROID: 0.105

HORZ SPREAD: 1.975

VERT SPREAD: 1.653

GROUP SPREAD: 2.035

MIN RADIUS: 0.171

MAX RADIUS: 1.253

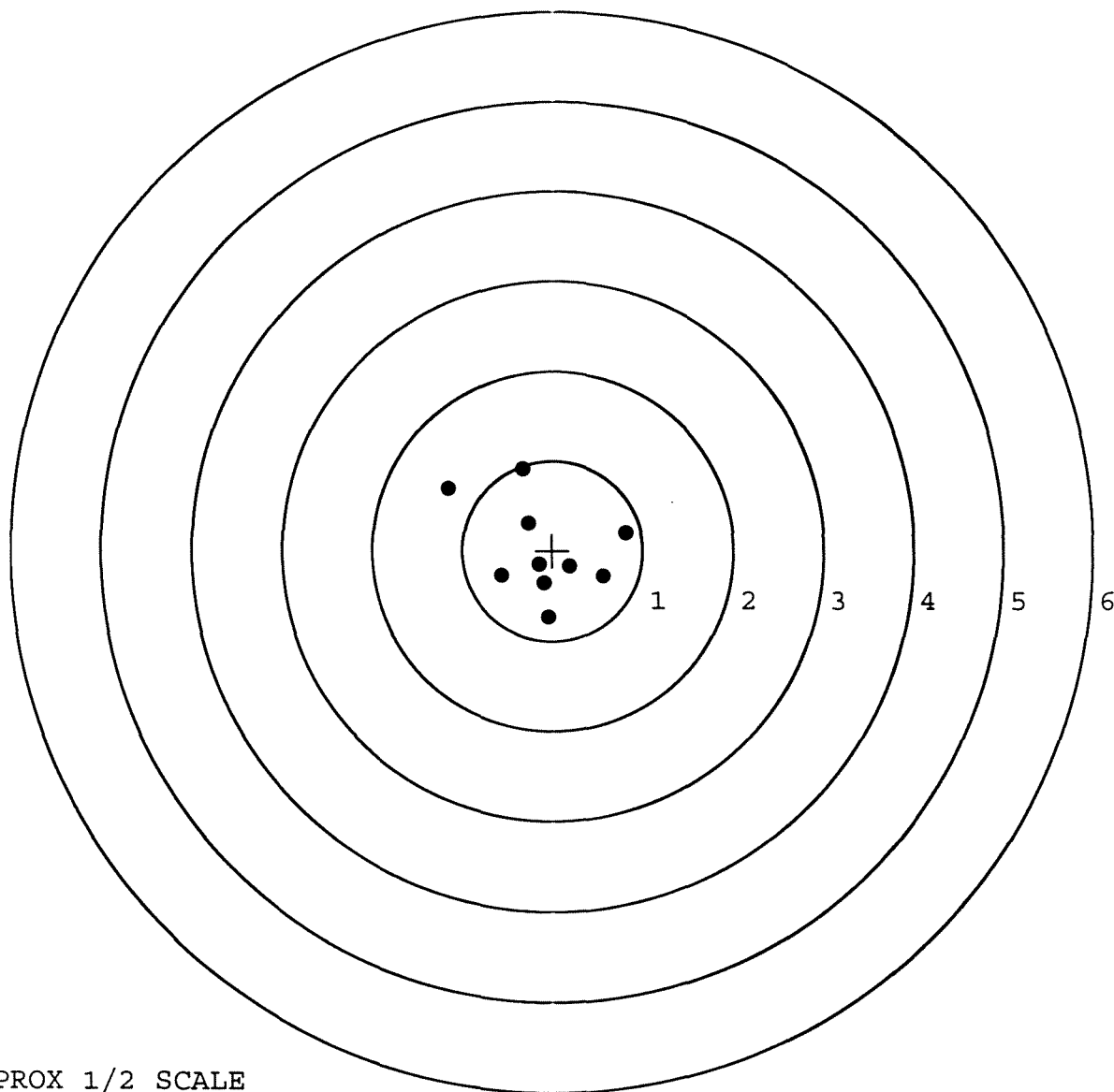
MEAN RADIUS: 0.638

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.157	0.691
2:	-0.327	0.909
3:	-0.272	0.300
4:	-0.565	-0.276
5:	-0.049	-0.744
6:	0.564	-0.283
7:	0.818	0.199
8:	-0.153	-0.154
9:	-0.099	-0.364
10:	0.191	-0.178



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695404. __0

TARGET NUMBER: 4

FILE DATE: 02/08/2008

FILE TIME: 13:55

X CENTROID: -0.085

Y CENTROID: 0.172

POA TO CENTROID: 0.192

HORZ SPREAD: 2.802

VERT SPREAD: 1.134

GROUP SPREAD: 2.905

MIN RADIUS: 0.190

MAX RADIUS: 1.723

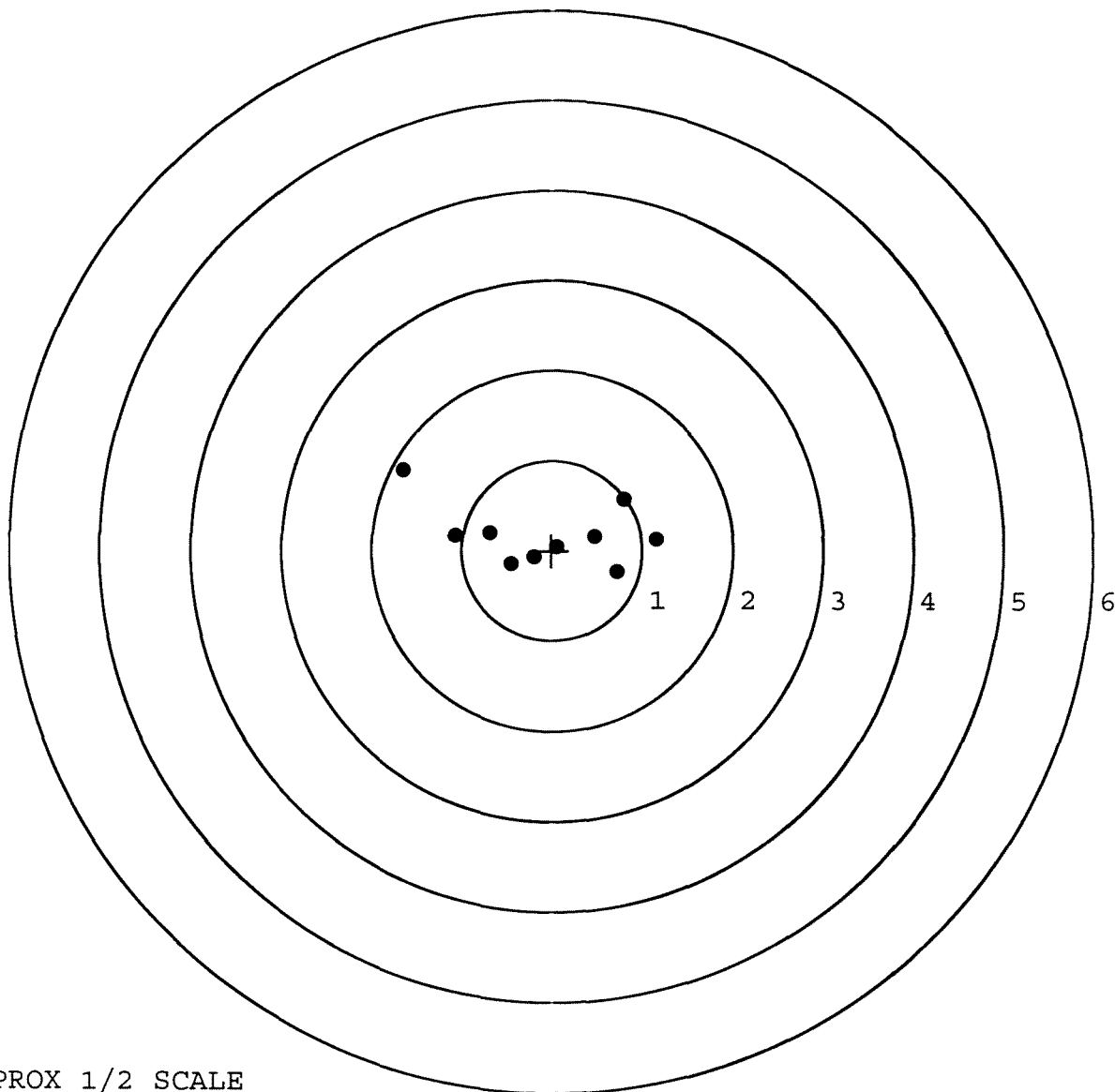
MEAN RADIUS: 0.794

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.796	0.574
2:	1.155	0.131
3:	0.722	-0.235
4:	0.476	0.163
5:	-1.647	0.899
6:	-1.069	0.169
7:	-0.693	0.201
8:	-0.453	-0.150
9:	0.055	0.044
10:	-0.194	-0.077

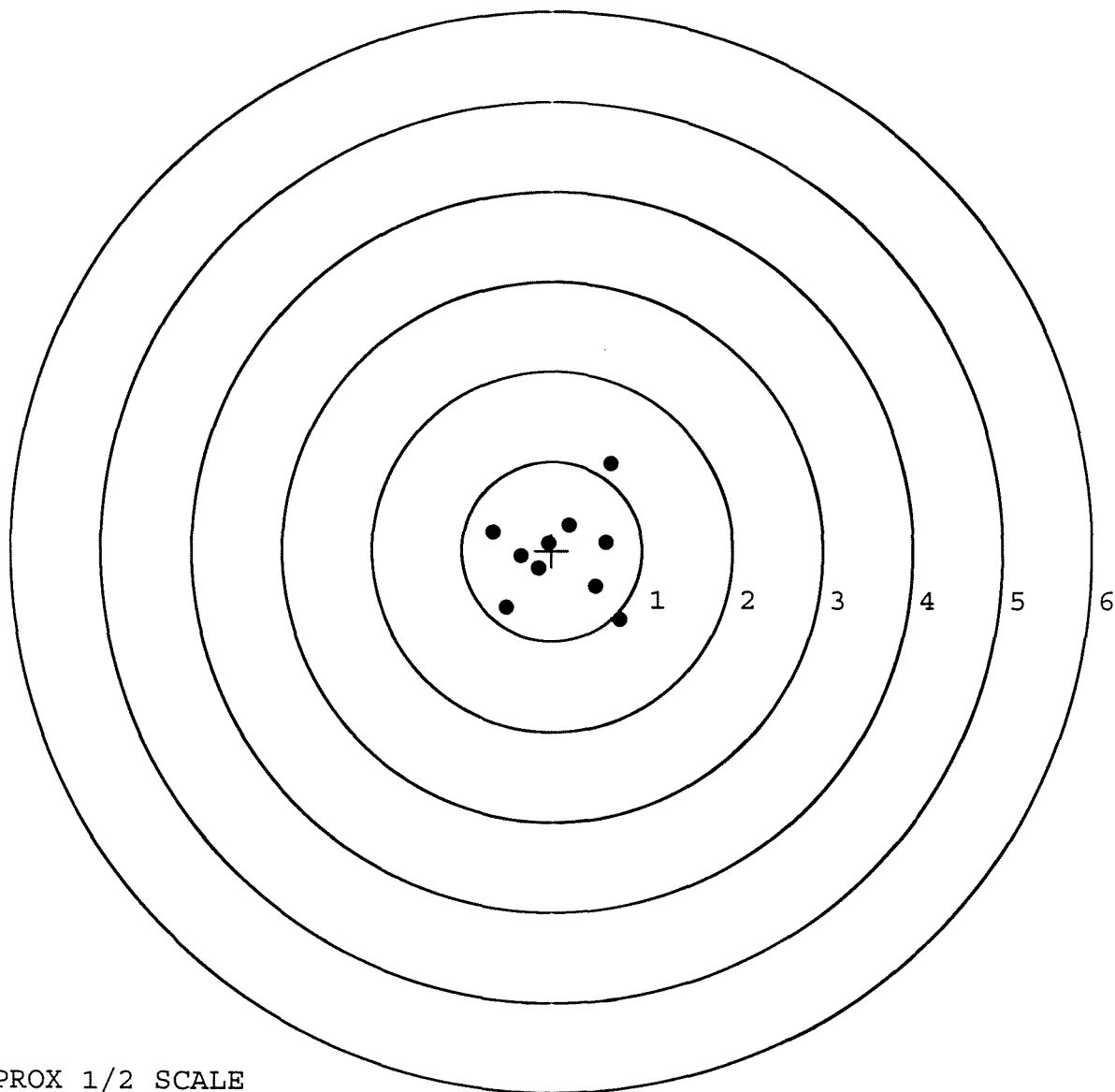


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695404. __0
 TARGET NUMBER: 5
 FILE DATE: 02/08/2008
 FILE TIME: 13:55

X CENTROID: 0.099
 Y CENTROID: -0.044
 POA TO CENTROID: 0.108
 HORZ SPREAD: 1.401
 VERT SPREAD: 1.742
 GROUP SPREAD: 1.989
 MIN RADIUS: 0.185
 MAX RADIUS: 1.160
 MEAN RADIUS: 0.609
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.656	0.974
2:	0.605	0.098
3:	0.482	-0.406
4:	0.748	-0.768
5:	-0.507	-0.639
6:	-0.653	0.209
7:	-0.345	-0.065
8:	-0.152	-0.202
9:	0.192	0.282
10:	-0.038	0.081



TARGET APPROX 1/2 SCALE

R & E NUMBER		00140419	
SERIAL NUMBER		G6391096 NEW G6695404	
LOG-IN DATE		1-22-08	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-28-08	S.P.D.
505	RE-BARREL	1-28-08	S.P.D.
560	ASSEMBLE	1-30-08	TRW
600	PROOF	1-30-08	TRW
605	CHECK HEADSPACE	1-30-08	TRW
610	DIS-ASSEMBLE GUN	1-30-08	S.P.D.
612	MAGNAFLUX	2-1-08	JB
510	DRILL AND TAP	1-30-08	TRW
615	ROLLMARK CALIBER	1-30-08	CW
618	ROTO-BLAST	2-4-08	LY
620	APPLY COATINGS	2-6-08	CW
625	FINAL ASSEMBLY	2-6-08	S.P.D.
640	FUNCTION TEST AND	PASS FAIL	2-7-08 TRW
650	TARGET	PASS FAIL	2-7-08 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	2-7-08 RP
670	FINAL INSPECTION		
	A) HEADSPACE	PASS FAIL	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.45 2.39 2.49 2.51 2.42 2.808 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	55 55 55 2.808 DA
	G) SAFETY OFF FORCE	2 LBS MIN	35 35 35 2.808 DA
	I) FIRING PIN INDENT	.020	.022 .022 .023 2.808 DA
690	PACK		2-19-08 FM

Repair Inquiry

Repair Number: RE00101656

Serial: G6391096 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 9/28/2005 2:45:15 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: TRANSPORTATION DIV DFEL

TRANSPORTATION DIV DFEL

Address 1: BLDG 1836

BLDG 1836

Address 2: 6759 MITCHELL AVE

PO Box:

6759 MITCHELL AVE

PO Box:

City: FORT BENNING

FORT BENNING

State: GA

Zip Code: 31905

Country: US

State: GA

Zip Code: 31905

Country: US

FPL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: N/A

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

9/28/2005

3:58 PM

CAPS

NUM

INS

SCPL

start

3

4

2

AP105 5814...

2

6

3

Serial
Number:

G6391096

Model: M24 SWS



RE00101656

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6391096.___1

FILE DATE AND TIME: 10/25/2005 17:09

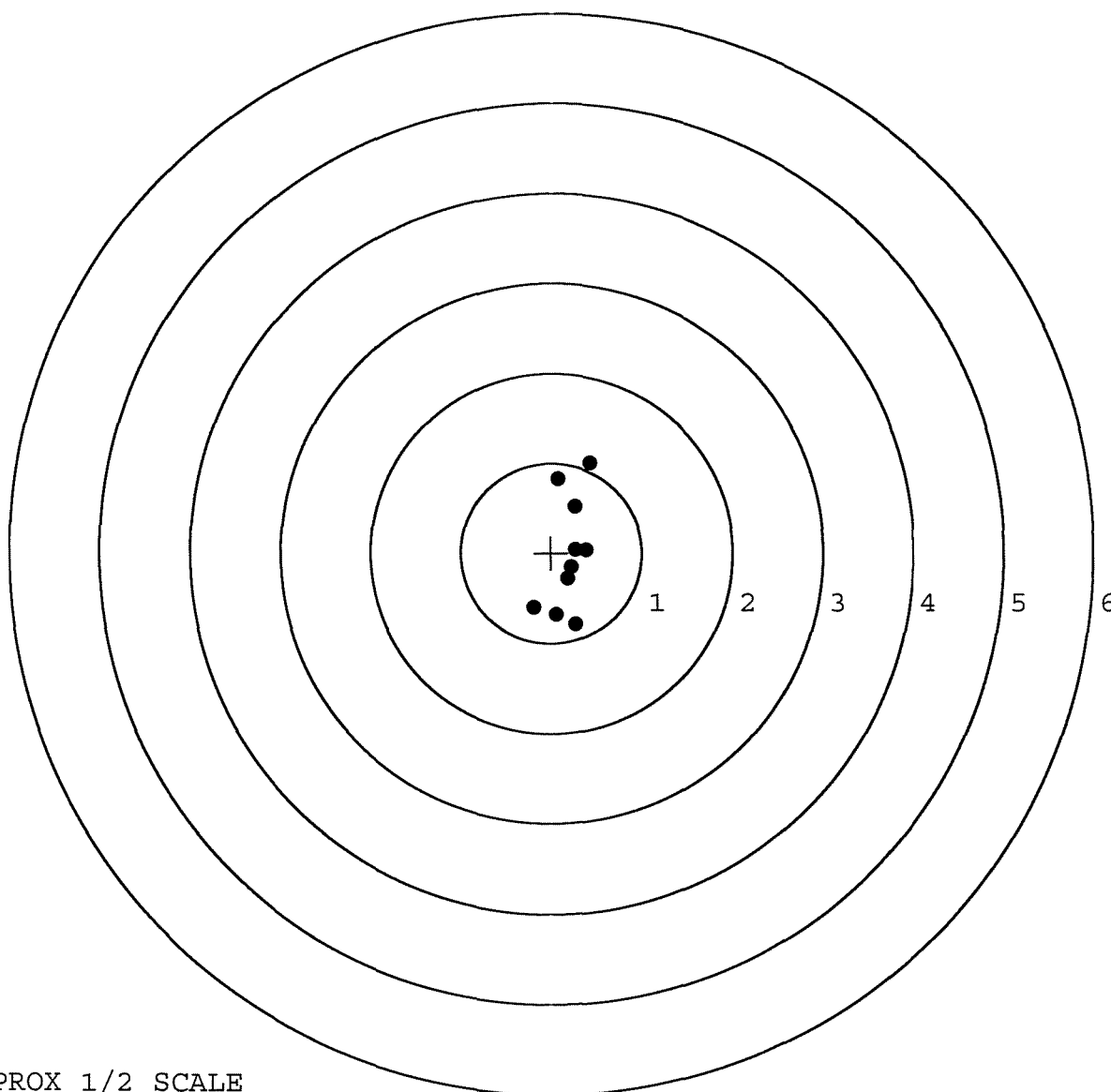
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.018
The Average Y Centroid of the Five Target Set:	0.168
The Average Point of Impact of the Five Target Set:	0.169
The Average Mean Radius of the Five Target Set:	0.854
The Distance from POA to Centroid Target #1:	0.198
The Distance from Centroid Target #2 to Centroid Target #1:	0.567
The Distance from Centroid Target #3 to Centroid Target #1:	0.489
The Distance from Centroid Target #4 to Centroid Target #1:	0.387
The Distance from Centroid Target #5 to Centroid Target #1:	0.185

SERIAL NUMBER: G6391096. __1
 TARGET NUMBER: 1
 FILE DATE: 10/25/2005
 FILE TIME: 17:09

X CENTROID: 0.197
 Y CENTROID: -0.014
 POA TO CENTROID: 0.198
 HORZ SPREAD: 0.624
 VERT SPREAD: 1.802
 GROUP SPREAD: 1.809
 MIN RADIUS: 0.090
 MAX RADIUS: 1.044
 MEAN RADIUS: 0.533
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.389	0.028
2:	0.272	0.036
3:	0.181	-0.289
4:	0.271	-0.798
5:	0.059	-0.690
6:	-0.195	-0.611
7:	0.261	0.519
8:	0.080	0.822
9:	0.429	1.004
10:	0.223	-0.164

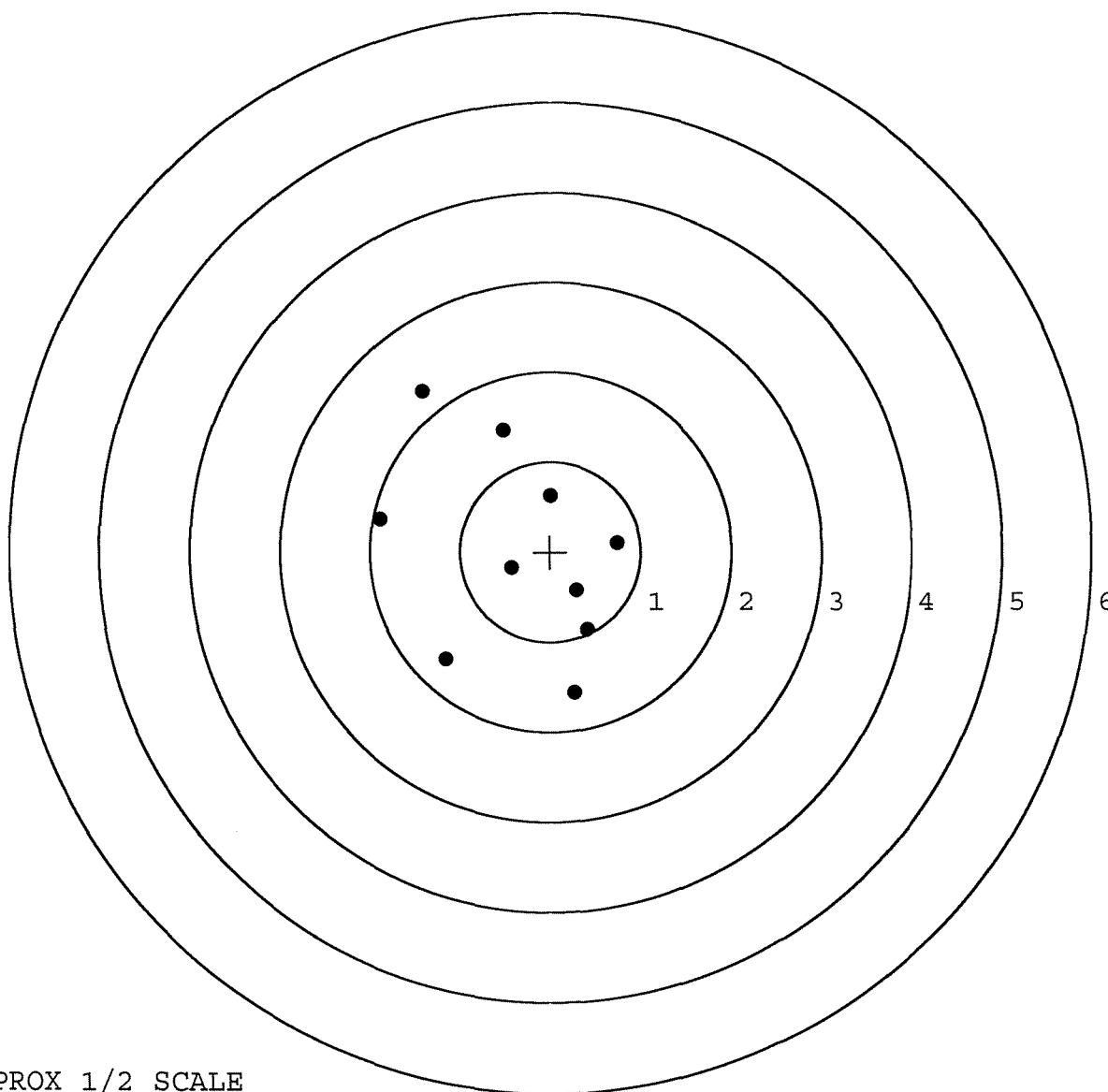


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391096. __1
 TARGET NUMBER: 2
 FILE DATE: 10/25/2005
 FILE TIME: 17:09

X CENTROID: -0.370
 Y CENTROID: -0.001
 POA TO CENTROID: 0.370
 HORZ SPREAD: 2.633
 VERT SPREAD: 3.352
 GROUP SPREAD: 3.753
 MIN RADIUS: 0.184
 MAX RADIUS: 2.067
 MEAN RADIUS: 1.210
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 3
 # in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.000	0.624
2:	-0.519	1.351
3:	-1.417	1.781
4:	-1.891	0.368
5:	-1.158	-1.200
6:	0.270	-1.571
7:	0.407	-0.864
8:	0.293	-0.427
9:	-0.427	-0.176
10:	0.742	0.106

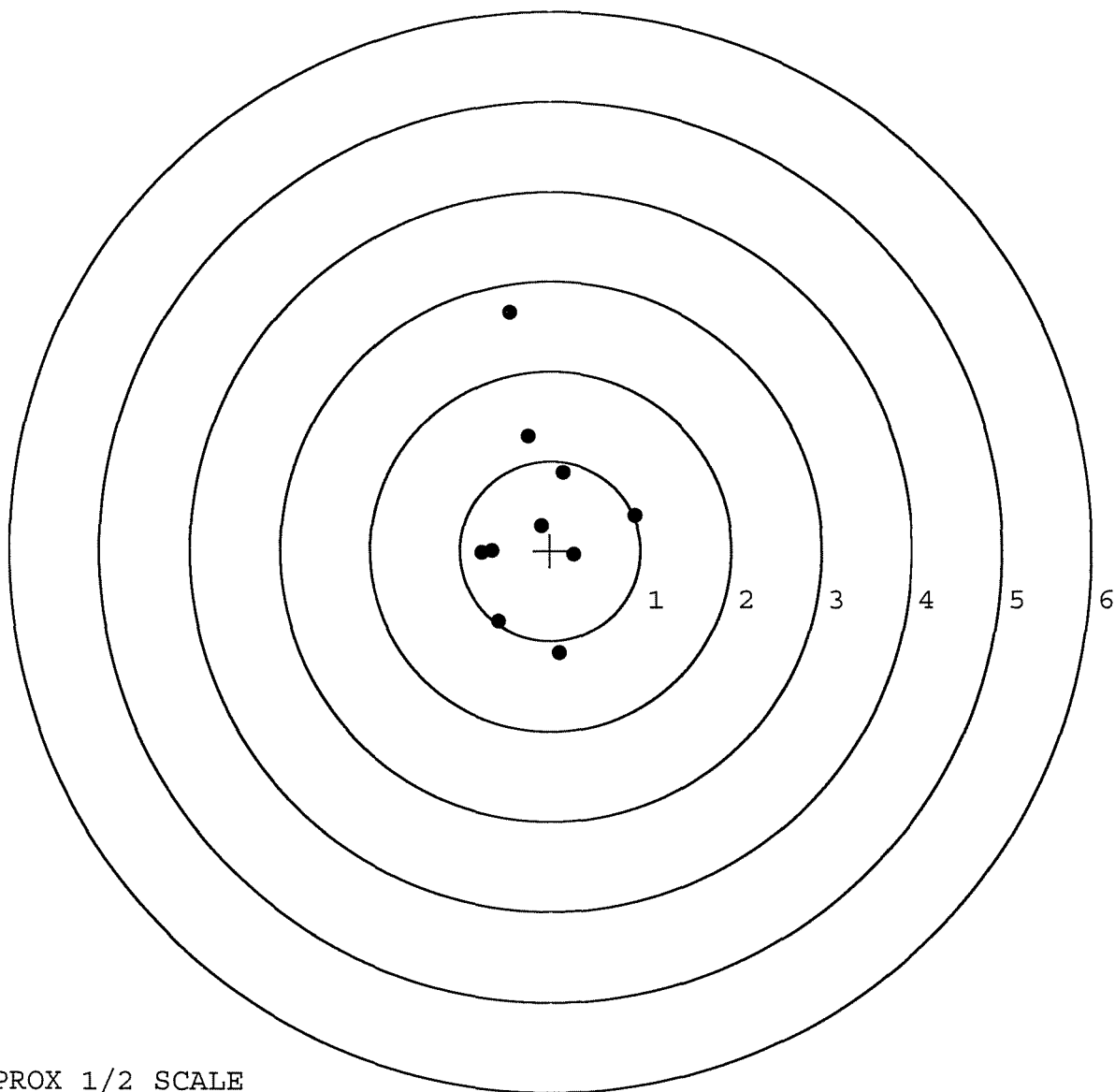


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391096. __1
 TARGET NUMBER: 3
 FILE DATE: 10/25/2005
 FILE TIME: 17:09

POINT#	X	Y
1:	-0.106	0.280
2:	0.141	0.870
3:	-0.245	1.278
4:	-0.447	2.652
5:	-0.645	0.001
6:	-0.574	-0.793
7:	0.102	-1.146
8:	0.935	0.387
9:	0.266	-0.048
10:	-0.759	-0.020

X CENTROID: -0.133
 Y CENTROID: 0.346
 POA TO CENTROID: 0.371
 HORZ SPREAD: 1.694
 VERT SPREAD: 3.798
 GROUP SPREAD: 3.837
 MIN RADIUS: 0.071
 MAX RADIUS: 2.327
 MEAN RADIUS: 0.963
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8

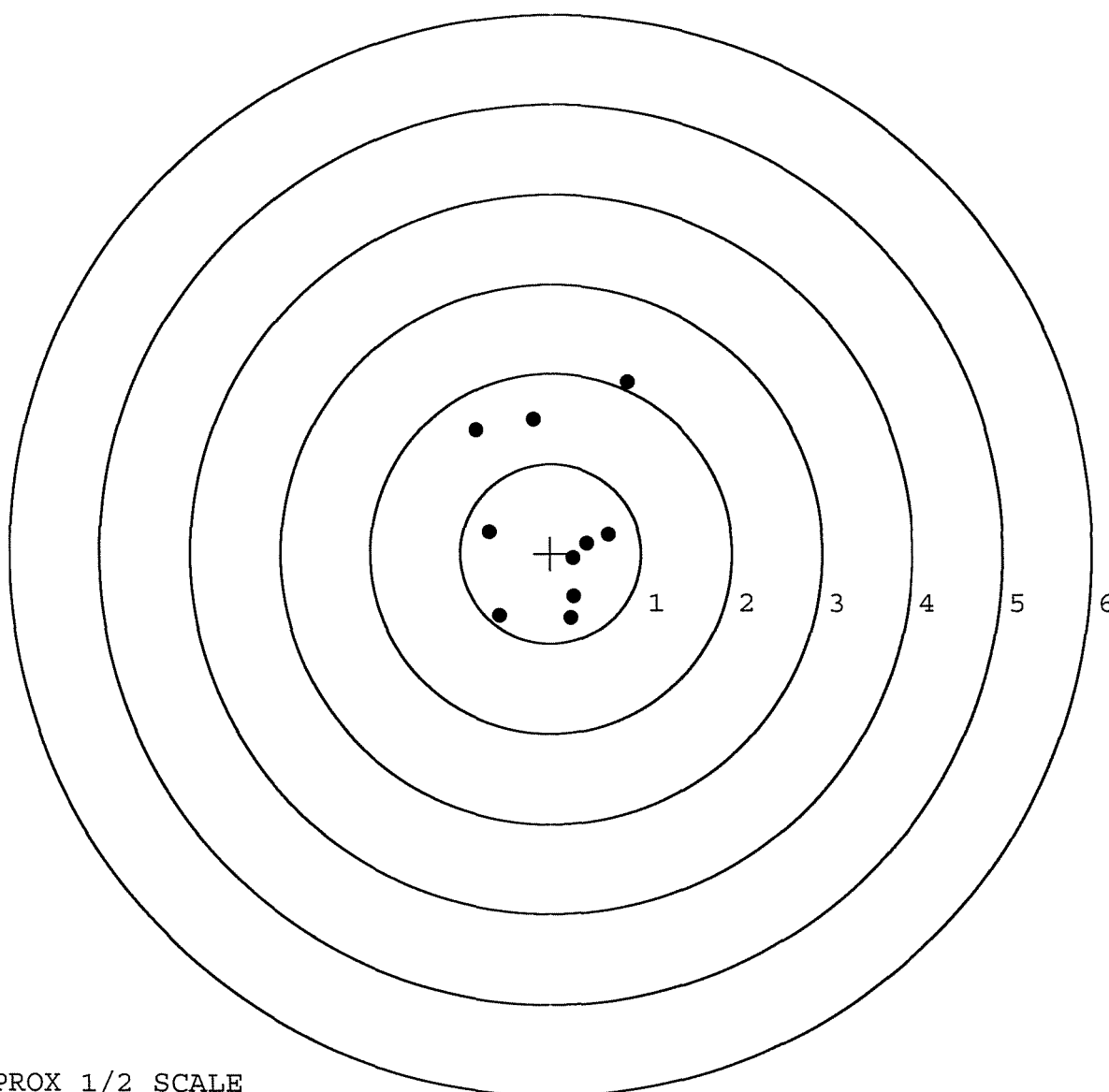


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391096. __1
 TARGET NUMBER: 4
 FILE DATE: 10/25/2005
 FILE TIME: 17:09

POINT#	X	Y
1:	0.641	0.219
2:	0.404	0.115
3:	0.250	-0.056
4:	0.259	-0.483
5:	0.226	-0.726
6:	-0.572	-0.694
7:	-0.675	0.244
8:	-0.822	1.367
9:	-0.198	1.489
10:	0.848	1.905

X CENTROID: 0.036
 Y CENTROID: 0.338
 POA TO CENTROID: 0.340
 HORZ SPREAD: 1.670
 VERT SPREAD: 2.631
 GROUP SPREAD: 2.962
 MIN RADIUS: 0.430
 MAX RADIUS: 1.765
 MEAN RADIUS: 0.962
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 9

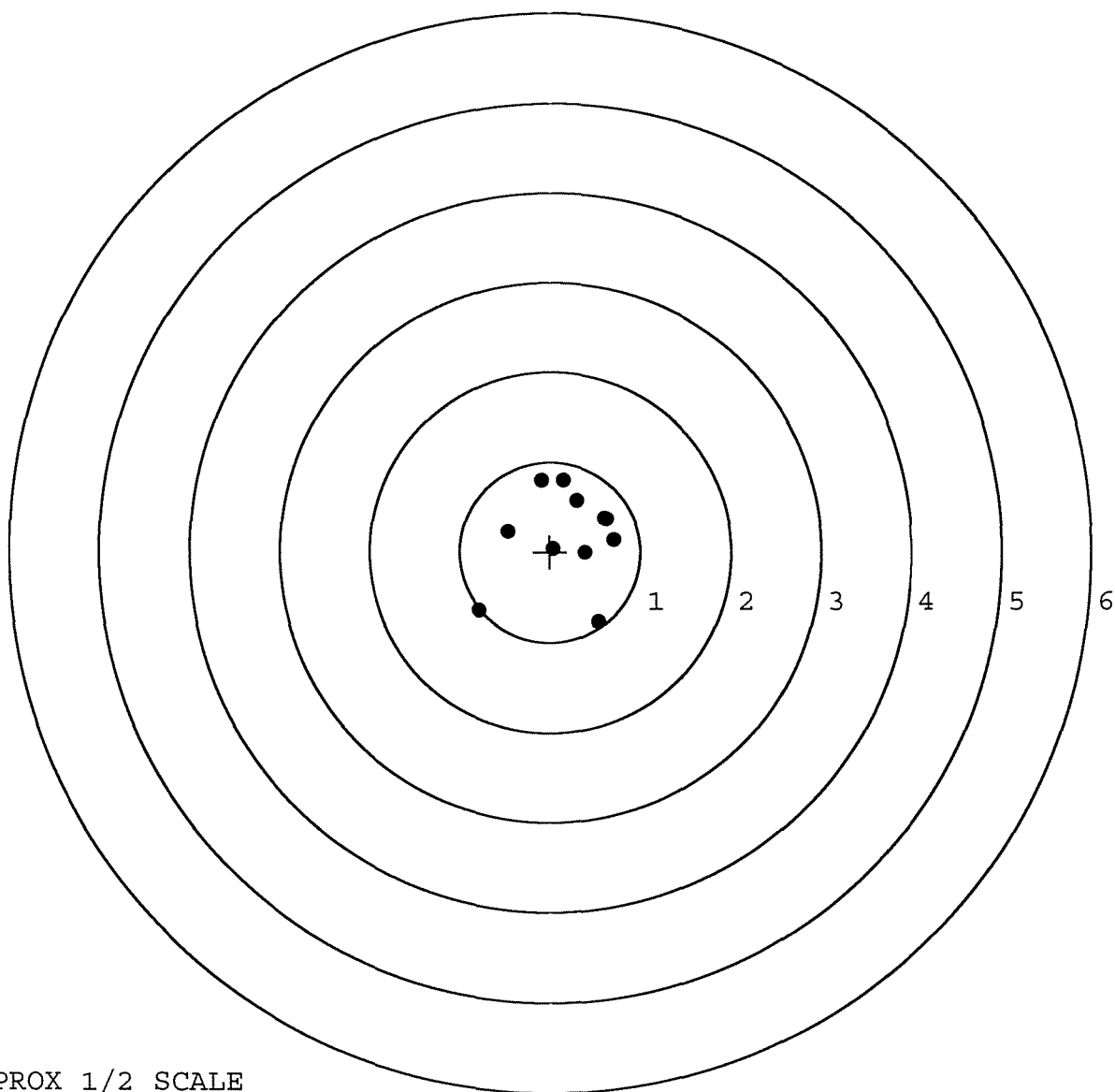


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391096. __1
 TARGET NUMBER: 5
 FILE DATE: 10/25/2005
 FILE TIME: 17:09

X CENTROID: 0.181
 Y CENTROID: 0.170
 POA TO CENTROID: 0.249
 HORZ SPREAD: 1.497
 VERT SPREAD: 1.573
 GROUP SPREAD: 1.743
 MIN RADIUS: 0.196
 MAX RADIUS: 1.272
 MEAN RADIUS: 0.601
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 11

POINT#	X	Y
1:	0.035	0.039
2:	0.708	0.136
3:	0.602	0.380
4:	0.299	0.570
5:	0.148	0.796
6:	-0.097	0.795
7:	-0.461	0.229
8:	0.391	-0.011
9:	-0.789	-0.653
10:	0.534	-0.777
11:	0.621	0.371



TARGET APPROX 1/2 SCALE

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

[illegible]

02159D	000229IN	578256	W5CWA83	W	4-2973
2a. SAMS-2 UIC/SAMS-I/TDA	2b. UTILIZATION CODE	2c. MCSR	4a. UIC SUPPORT UNIT	4b. SUPPORT UNIT NAME	
	0		W618R07	777	

SECTION III - EQUIPMENT DATA

5. TYPE MNT REQ CODE	6. ID	7. NSN	15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751		
1	A	1005012402136	15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code) See DA Pamphlets 738-750 and 738-751		
8. MODEL	M-24		16. MILES/KILOMETERS/HOURS/ROUNDS		
9. NOUN	Sniper Rifle		M K		
10a. ORG WON/DOC NO	10b. EIC		H R		
11. SERIAL NUMBER	12. QTY	13. PD	17. PROJECT CODE (if assigned)		
06391096	1	0.3	500		
14. MALFUNCTION DESCRIPTION (for DSU, GSUI/AVIM, DEPOT use)			18. ACCOUNT PROCESSING CODE		
			M 9 674		
			19. IN WARRANTY? (enter Y or N)		
			N		
			20. ADMIN NO		
			21. REIMBURSABLE CUSTOMER (if Intransit customer enter Y or N)		
			N		
			22. LEVEL OF WORK		
			F		
			23. SIGNATURE		
24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not prescribe repairs)					
Bolt in op + Fires on Safe					

25. REMARKS

26. TECHNICAL REFERENCES

SECTION IV - TASK REQUIREMENTS DATA

27a. FILE INPUT ACT CD	27b. TASK NO	27c. ACT CODE	27d. TASK DESCRIPTION	27e. QTY TO BE RPR	27f. WORK CENTER	27g. FAILURE CODE	27h. MH PROJ	27i. MH EXP

SECTION V - PART REQUIREMENTS

28a. FILE INPUT ACT CD	28b. TASK NO	28c. ID NO	28d. NSN OR PART NUMBER	28e. SFX CD	28f. QTY RQD	28g. QTY ISSUED	28h. NMCS CD	28i. FAILURE CODE	28j. STORAGE LOCATION	28k. INITIALS	28l. COST \$

28m. TOTAL MANHOURS

28n. TOTAL MANHOURS COSTS \$

28o. TOTAL PARTS COSTS \$

SECTION VI - COMPLETION DATA

29. QTY RPR	30. QTY CONDEMN	31. QTY NRTS	32. EVAC WON	33. EVAC UNIT NAME

SECTION VII - ACTION SIGNATURES

34a. SUBMITTED BY	35a. ACCEPTED BY	35c. DATE	36a. WORK STARTED BY	37a. INSPECTED BY	38a. PICKED UP BY
		05255			
34b. DATE	35b. STATUS	35d. TIME	36b. STATUS	36c. DATE	36d. TIME
10255	A	1750	-		
37b. STATUS	37c. DATE	37d. TIME	38b. STATUS	38c. DATE	38d. TIN

Serial Number: ~~E6413465~~

Model: M24 SWS



RE00083422

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 7-16-04
 TESTER TRL

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.59	2.35		2.18	
PULL #2	2.29	2.65		2.14	
PULL #3	2.70	2.64		2.01	
PULL #4	2.75	2.71		2.18	
PULL #5	2.47	2.72		2.58	
TOTAL	12.80	13.07		11.09	
AVERAGE	2.56	2.61		2.21	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.46		
PULL #2	3.35	3.35		
PULL #3	3.35	3.20		
PULL #4	3.38	3.07		
PULL #5	3.26	3.13		
TOTAL	16.70	16.21		
AVERAGE	3.34	3.24		

	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	4.08	3.97		4.49
PULL #2	4.14	4.28		4.63
PULL #3	4.00	4.22		4.56
PULL #4	4.41	4.24		4.71
PULL #5	4.38	3.91		4.66
TOTAL	21.01	20.62		23.05
AVERAGE	4.20	4.12		4.61

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6391096.___0
FILE DATE AND TIME: 08/25/2004 08:01

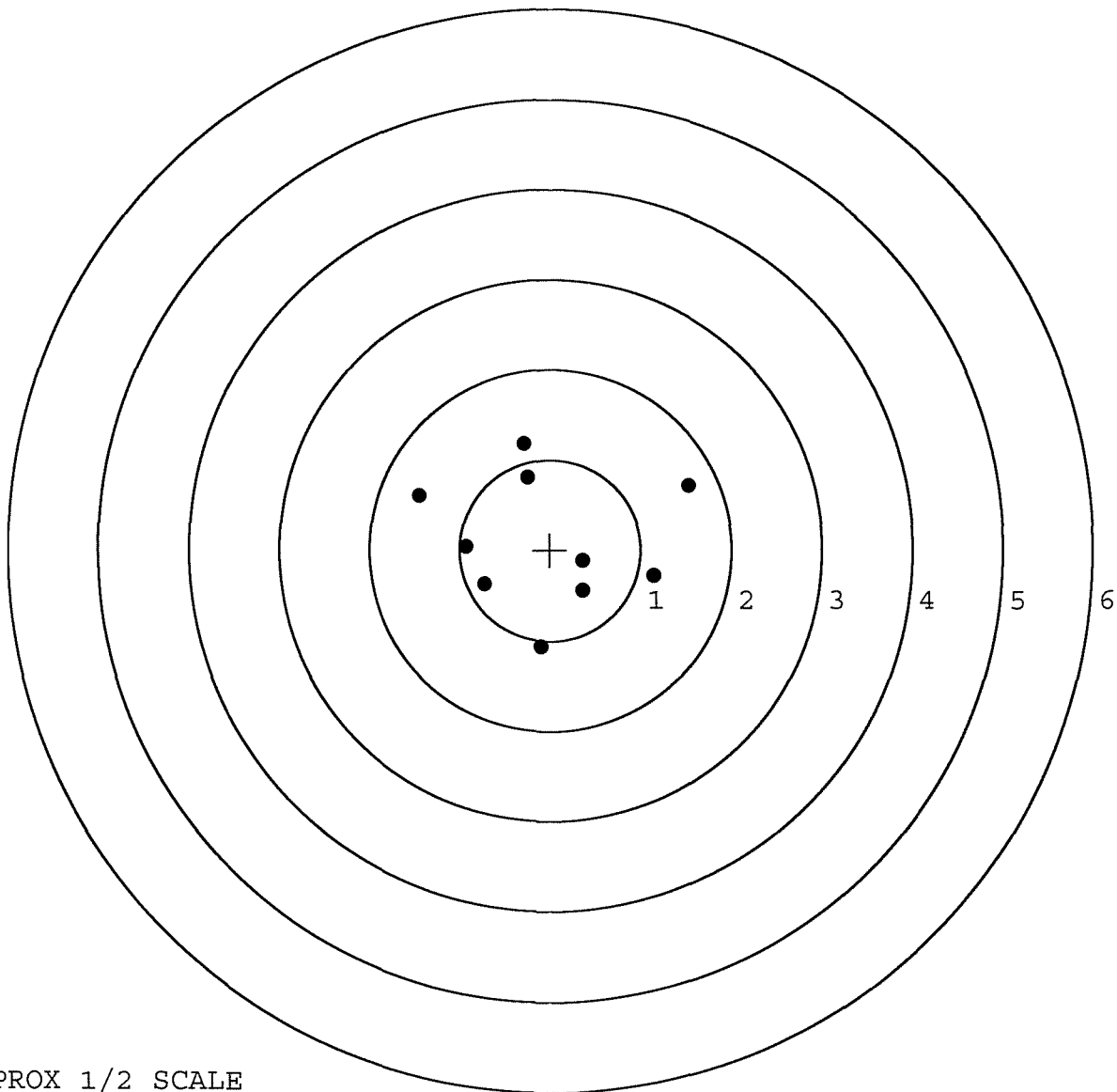
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.076
The Average Y Centroid of the Five Target Set:	-0.056
The Average Point of Impact of the Five Target Set:	0.094
The Average Mean Radius of the Five Target Set:	0.714
The Distance from POA to Centroid Target #1:	0.108
The Distance from Centroid Target #2 to Centroid Target #1:	0.255
The Distance from Centroid Target #3 to Centroid Target #1:	0.188
The Distance from Centroid Target #4 to Centroid Target #1:	0.193
The Distance from Centroid Target #5 to Centroid Target #1:	0.195

SERIAL NUMBER: G6391096. 0
 TARGET NUMBER: 1
 FILE DATE: 08/25/2004
 FILE TIME: 08:01

X CENTROID: -0.036
 Y CENTROID: 0.102
 POA TO CENTROID: 0.108
 HORZ SPREAD: 2.973
 VERT SPREAD: 2.244
 GROUP SPREAD: 2.975
 MIN RADIUS: 0.456
 MAX RADIUS: 1.672
 MEAN RADIUS: 1.030
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.143	-0.288
2:	1.521	0.712
3:	0.365	-0.447
4:	0.360	-0.125
5:	-0.106	-1.067
6:	-0.723	-0.386
7:	-0.928	0.034
8:	-0.249	0.805
9:	-0.289	1.177
10:	-1.452	0.604

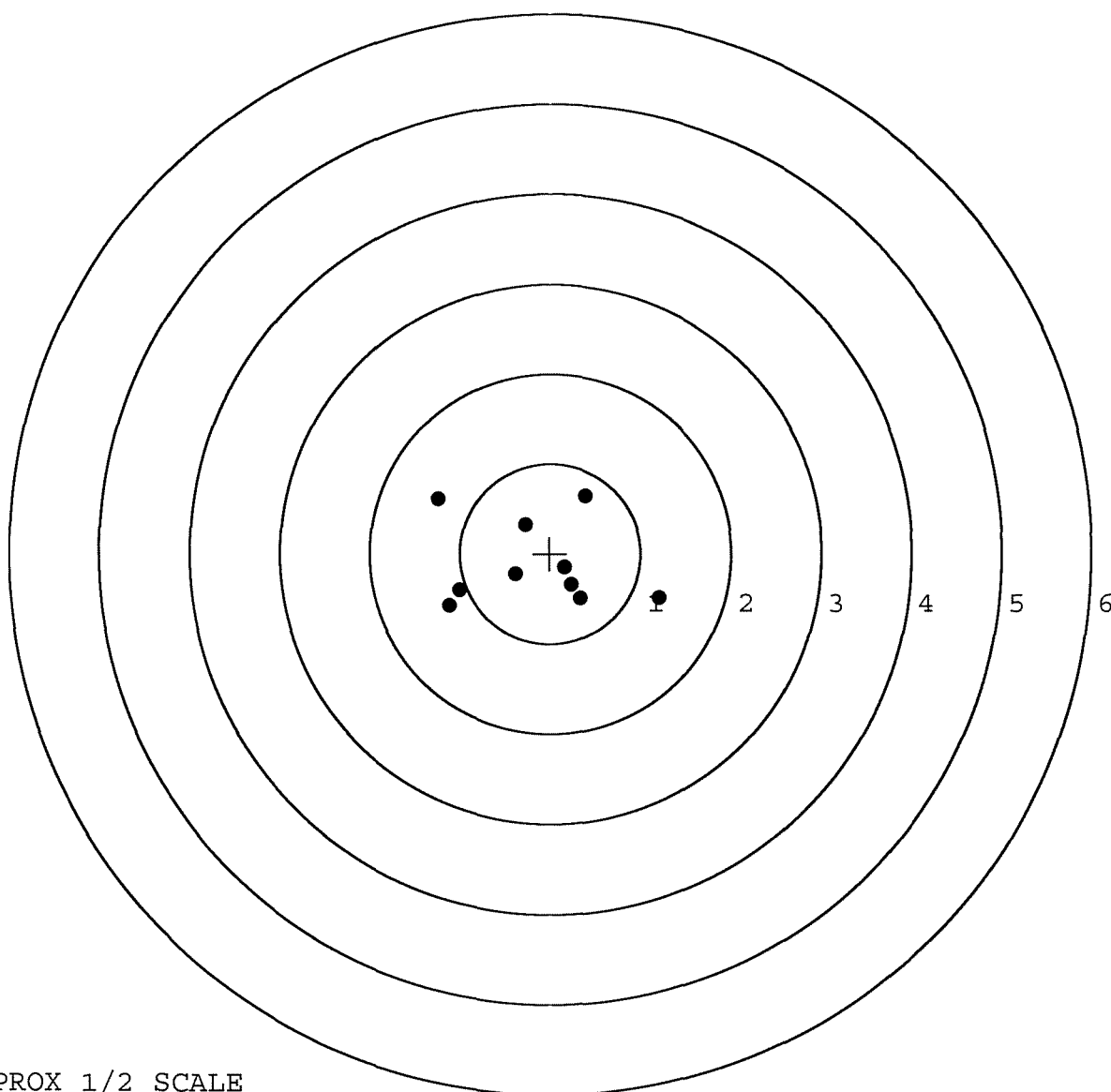


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391096. __0
 TARGET NUMBER: 2
 FILE DATE: 08/25/2004
 FILE TIME: 08:01

X CENTROID: -0.169
 Y CENTROID: -0.115
 POA TO CENTROID: 0.205
 HORZ SPREAD: 2.444
 VERT SPREAD: 1.232
 GROUP SPREAD: 2.683
 MIN RADIUS: 0.241
 MAX RADIUS: 1.423
 MEAN RADIUS: 0.774
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.202	-0.496
2:	0.334	-0.506
3:	0.166	-0.159
4:	-0.381	-0.230
5:	-1.117	-0.586
6:	-1.002	-0.407
7:	-1.242	0.610
8:	-0.276	0.323
9:	0.387	0.646
10:	0.239	-0.350

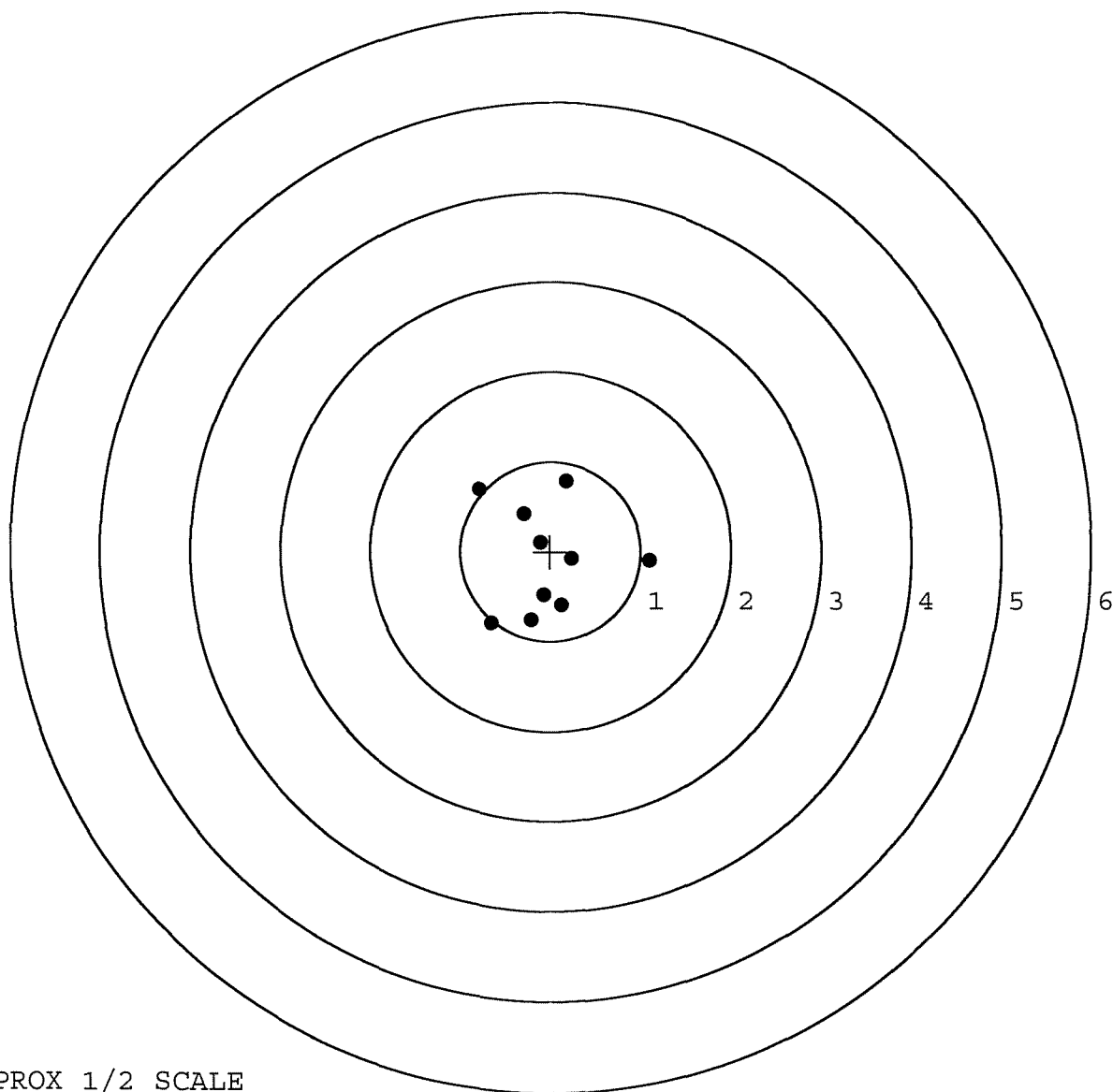


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391096. __0
 TARGET NUMBER: 3
 FILE DATE: 08/25/2004
 FILE TIME: 08:01

X CENTROID: -0.051
 Y CENTROID: -0.085
 POA TO CENTROID: 0.099
 HORZ SPREAD: 1.883
 VERT SPREAD: 1.586
 GROUP SPREAD: 2.046
 MIN RADIUS: 0.199
 MAX RADIUS: 1.146
 MEAN RADIUS: 0.676
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.095	-0.105
2:	-0.656	-0.802
3:	-0.218	-0.773
4:	0.124	-0.605
5:	-0.078	-0.487
6:	0.239	-0.082
7:	-0.109	0.105
8:	-0.296	0.420
9:	0.175	0.784
10:	-0.788	0.695

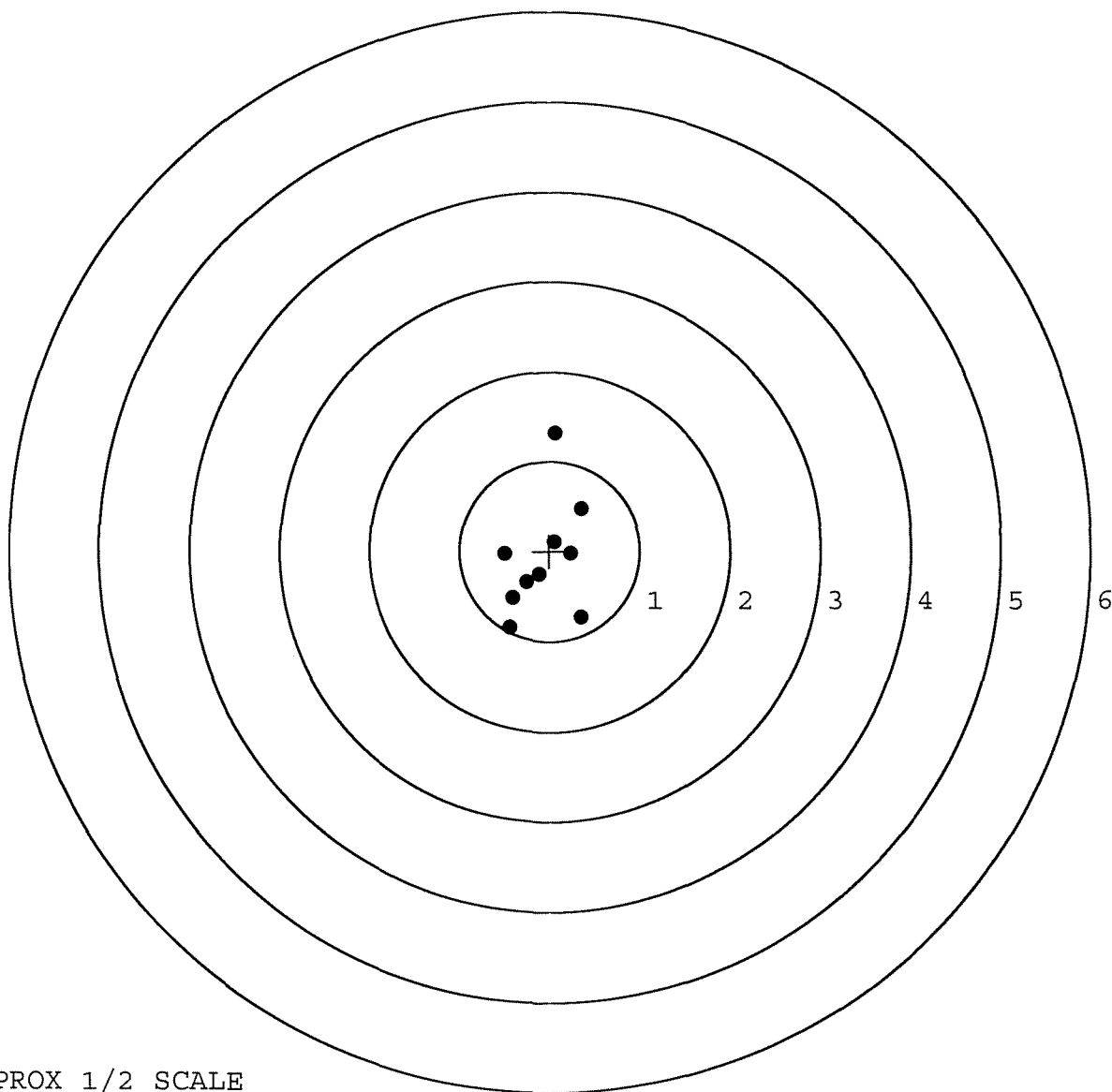


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391096. 0
 TARGET NUMBER: 4
 FILE DATE: 08/25/2004
 FILE TIME: 08:01

X CENTROID: -0.068
 Y CENTROID: -0.089
 POA TO CENTROID: 0.112
 HORZ SPREAD: 0.848
 VERT SPREAD: 2.169
 GROUP SPREAD: 2.227
 MIN RADIUS: 0.181
 MAX RADIUS: 1.414
 MEAN RADIUS: 0.575
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.348	-0.734
2:	0.347	0.467
3:	0.062	1.319
4:	0.057	0.104
5:	0.235	-0.028
6:	-0.500	-0.034
7:	-0.117	-0.263
8:	-0.257	-0.344
9:	-0.409	-0.525
10:	-0.443	-0.850

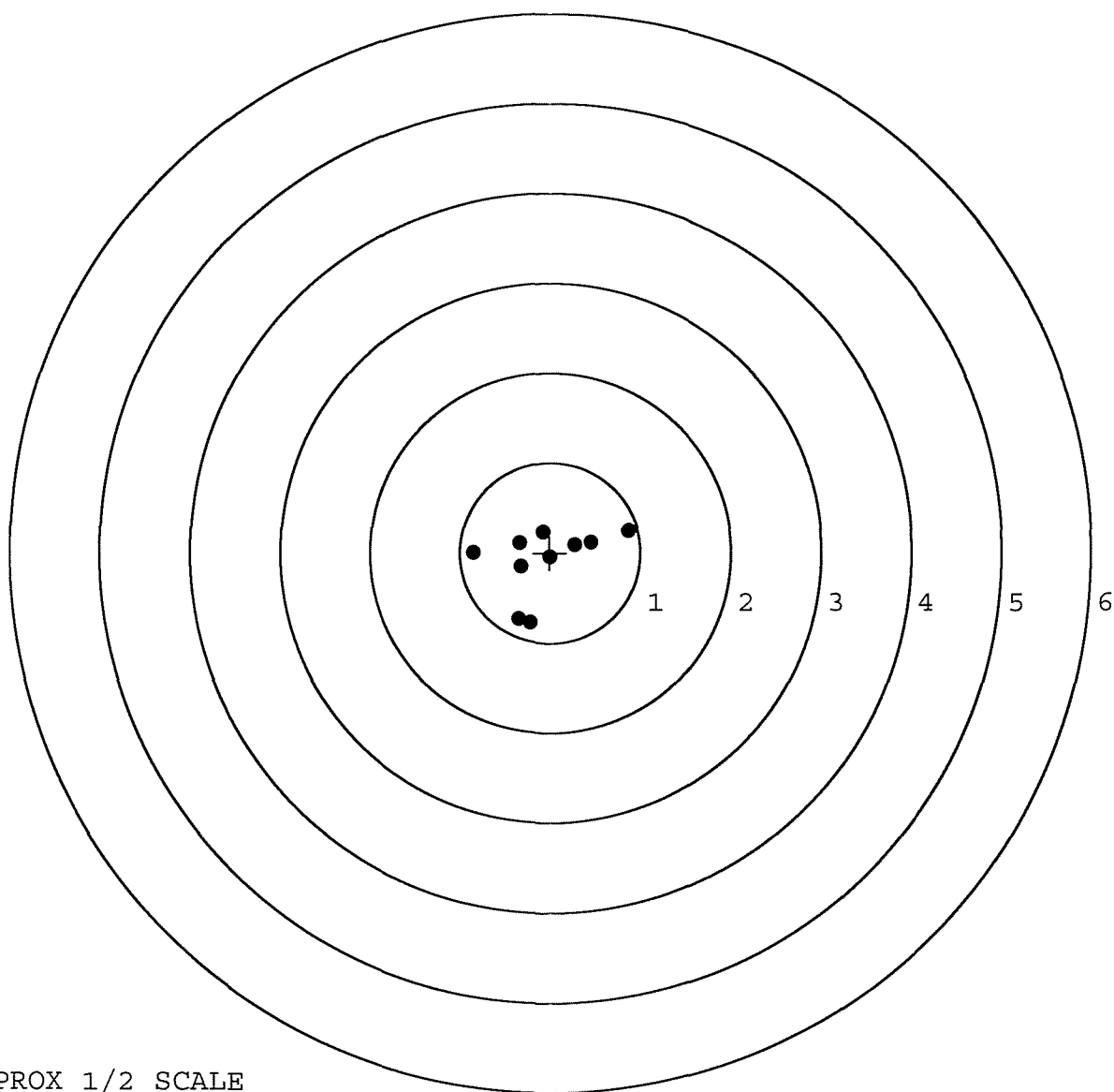


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391096. 0
 TARGET NUMBER: 5
 FILE DATE: 08/25/2004
 FILE TIME: 08:01

X CENTROID: -0.056
 Y CENTROID: -0.093
 POA TO CENTROID: 0.108
 HORZ SPREAD: 1.714
 VERT SPREAD: 1.019
 GROUP SPREAD: 1.731
 MIN RADIUS: 0.069
 MAX RADIUS: 0.983
 MEAN RADIUS: 0.514
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.867	0.245
2:	0.456	0.118
3:	0.276	0.092
4:	-0.225	-0.774
5:	-0.347	-0.739
6:	-0.323	-0.159
7:	-0.075	0.233
8:	-0.339	0.107
9:	-0.847	0.003
10:	-0.001	-0.051



TARGET APPROX 1/2 SCALE

R & E NUMBER	83422		
SERIAL NUMBER	6413465 G639 1096 (New)		
LOG-IN DATE	8-3-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-9-04	RTL
560 A	RE-BARREL	8-9-04	RTL
B	DRILL AND TAP	8-9-04	TRW
575	ASSEMBLE MAGNA-FLUX	8-10-04	RTL
600	PROOF INSPECTED	8-10-04	RTL
605	CHECK HEADSPACE 1 2004	8-10-04	RTL
610	DIS-ASSEMBLE GUN	8-10-04	RTL
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	8/11/04	B
618	ROTO-BLAST	8/12/04	DG
620	APPLY COATINGS	8/12	HP
625 A	FINAL ASSEMBLY	8-18-04	RLW
B	TRIGGER PULL TEST	8-27-04	
C	SAFETY "ON" FORCE	8-22-04	
D	SAFETY "OFF" FORCE	8-27-04	
E	FIRING PIN INDENT		
640	TARGET	8-25-04	AC
655	FINAL INSPECT	8-27-04	RTL
660	PACK	9-24-04	RA
		SHIP DATE	
	QAR INSPECTION DATE		

Stock Cracked

NEW STK

5-15-91

Remington
MODEL 700TM H24

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

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

SERIAL NO.
C6594635

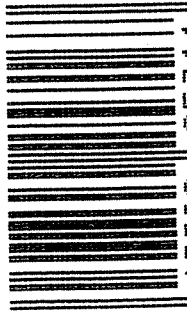
ORDER NO.
5716

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



5716 C6594635

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: **RE00028676** Serial: C6594635 Model: 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 6/18/01 12:59:37 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **DFEL STORAGE SECTION** **DFEL STORAGE SECTION**

Address 1: **BLDG 490** **BLDG 490**

Address 2: PO Box: PO Box:

City: **FORT BENNING** **FORT BENNING**

State: **GA** Zip Code: **31905** Country: **US** State: **GA** Zip Code: **31905** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information:

Phone:

Fax:

Email:

Comments:

Received Condition:

Condition: **Poor**

Condition Notes:

CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	1
A008	With Swivel	1
A010	Hard Case	1
A026	Scope	1

Repair Search Refresh Close

Start Inbo Arm Micr Ama Part Free Lab SAP 2:27 PM

Serial Number: **C6594635**

Model: **700**



RE00028676

E 6413465

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6413465
11 Jul 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2622
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1262
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .29099

THE AMR FOR THIS RIFLE IS: .9352

CENTROIDAL DISTANCES

0	TO	1	.174413
1	TO	2	.0989545
1	TO	3	.396718
1	TO	4	.174
1	TO	5	.196023

3_g 12+ <----POA

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .175

MIN RADIUS : .321

MEAN RADIUS : .736

MAX RADIUS : 1.327

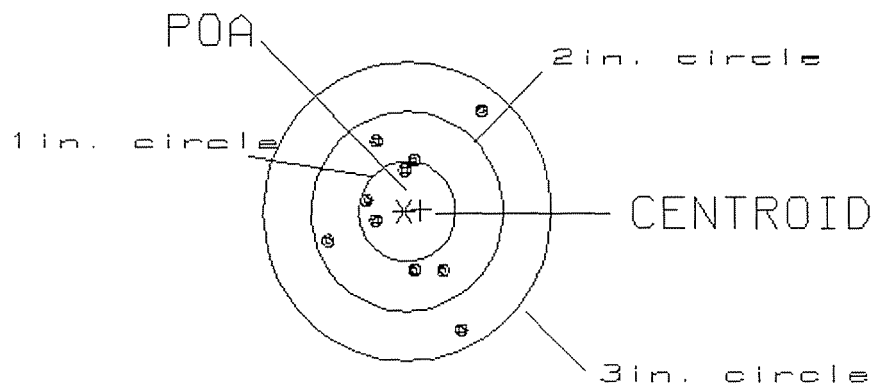
CENTROID X : -.174

CENTROID Y : -.012

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413465.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.65

3

VS= 2.22

8

GS= 2.23

10

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .086

MIN RADIUS : .457

MEAN RADIUS : .990

MAX RADIUS : 1.934

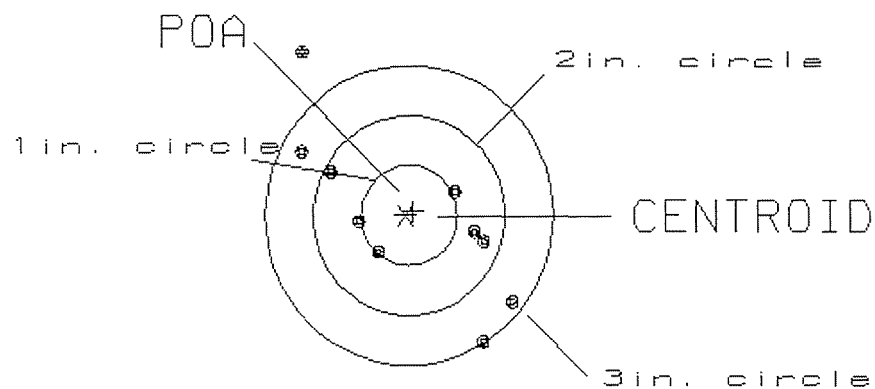
CENTROID X : -.078

CENTROID Y : -.036

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413465.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.19

2

VS= 2.81

6

GS= 3.40

9

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .542

MIN RADIUS : .175

MEAN RADIUS : .806

MAX RADIUS : 2.035

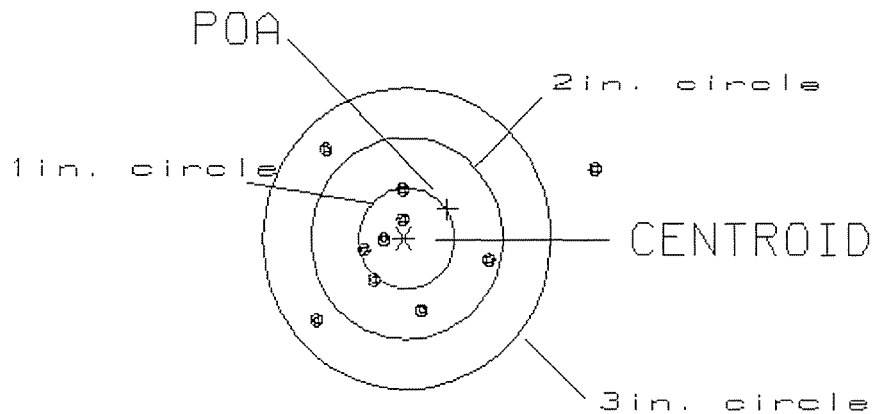
CENTROID X : -.458

CENTROID Y : -.289

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413465.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.87

4

VS= 1.67

7

GS= 3.24

9

PATTERN #: 4

POA TO CENTROID: .324

MIN RADIUS : .418

MEAN RADIUS : 1.129

MAX RADIUS : 2.312

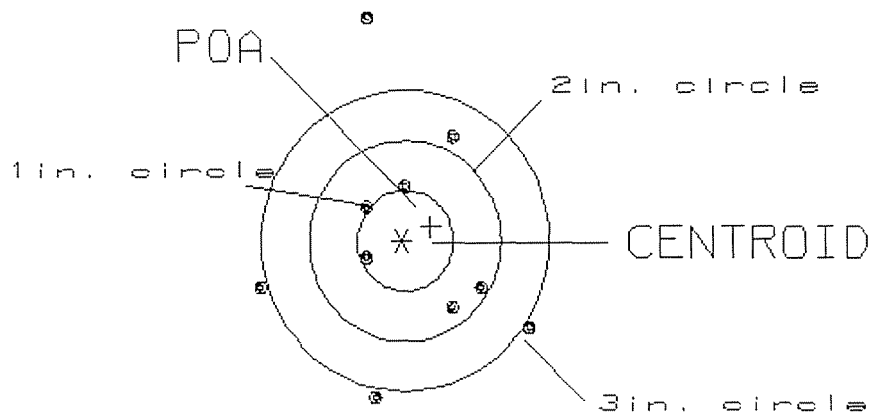
CENTROID X : -.294

CENTROID Y : -.138

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413465.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.73

1

VS= 3.84

5

GS= 3.84

6

PATTERN #: 5

POA TO CENTROID: .344

MIN RADIUS : .572

MEAN RADIUS : 1.015

MAX RADIUS : 1.740

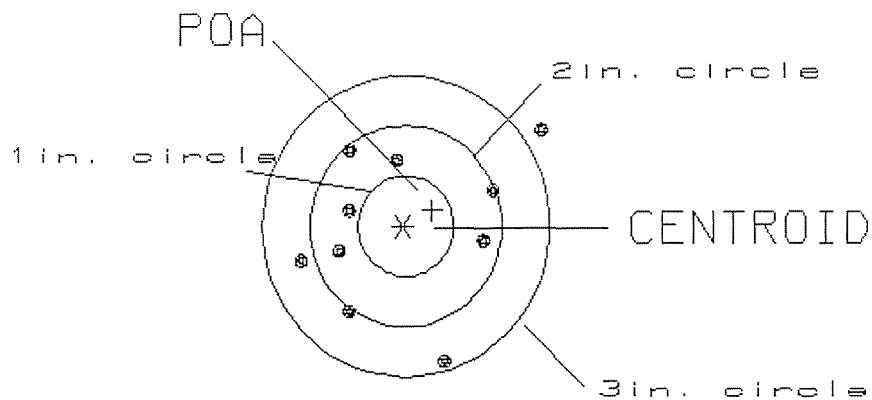
CENTROID X : -.307

CENTROID Y : -.156

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413465.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.49

0

VS= 2.34

5

GS= 2.80

9

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6413465
11 Jul 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.403
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1018
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .415659

THE AMR FOR THIS RIFLE IS: 1.277

CENTROIDAL DISTANCES

0	TO	1	.601141
1	TO	2	.310743
1	TO	3	.307148
1	TO	4	.432834
1	TO	5	.534805

1
2 4 + <----POA
5

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .601

MIN RADIUS : .174

MEAN RADIUS : 1.518

MAX RADIUS : 3.024

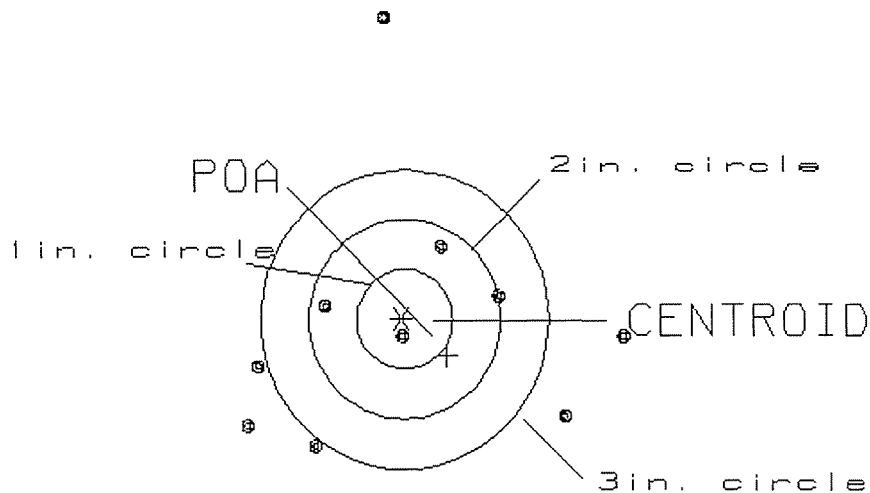
CENTROID X : -.473

CENTROID Y : .371

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413465

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.90

1

VS= 4.30

4

GS= 4.46

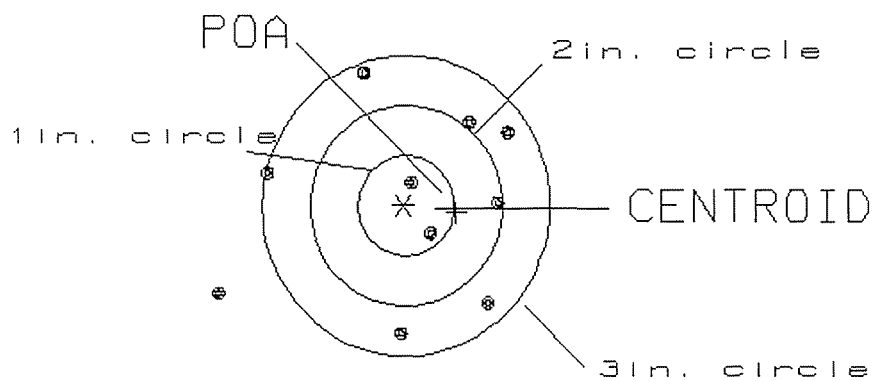
4

PATTERN #: ☐ 2 ☐
POA TO CENTROID: .559
MIN RADIUS : .273
MEAN RADIUS : 1.144
MAX RADIUS : 2.106
CENTROID X : -.554
CENTROID Y : .071

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413465

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.97

2

VS= 2.60

3

GS= 3.36

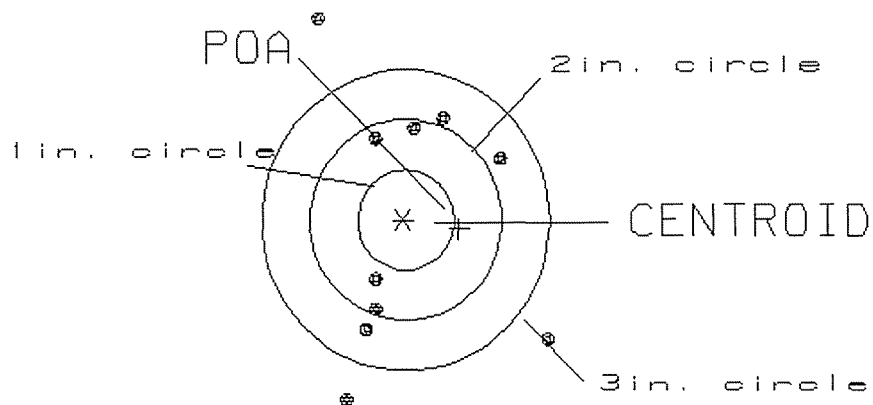
9

PATTERN #: ☐ 3 ☐
POA TO CENTROID: .591
MIN RADIUS : .689
MEAN RADIUS : 1.277
MAX RADIUS : 2.244
CENTROID X : -.585
CENTROID Y : .085

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413465

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.38

0

VS= 3.80

4

GS= 3.98

7

PATTERN #: ☐ 4 ☐

POA TO CENTROID: .168

MIN RADIUS : .253

MEAN RADIUS : 1.234

MAX RADIUS : 2.330

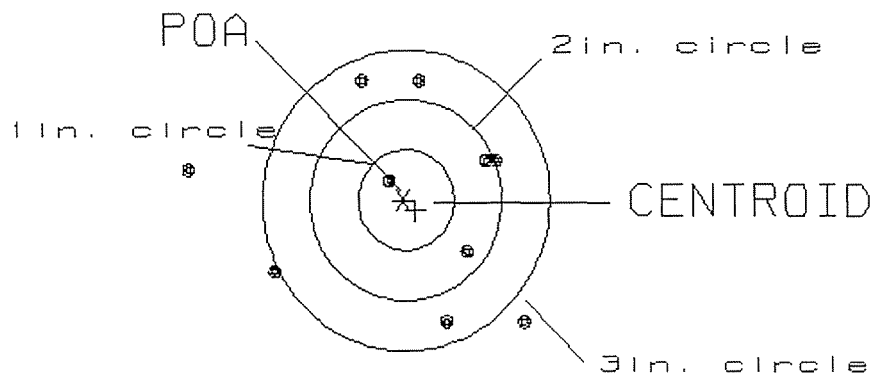
CENTROID X : -.130

CENTROID Y : .107

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413465

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.58

1

VS= 2.38

3

GS= 3.88

7

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .300

MIN RADIUS : .501

MEAN RADIUS : 1.213

MAX RADIUS : 2.512

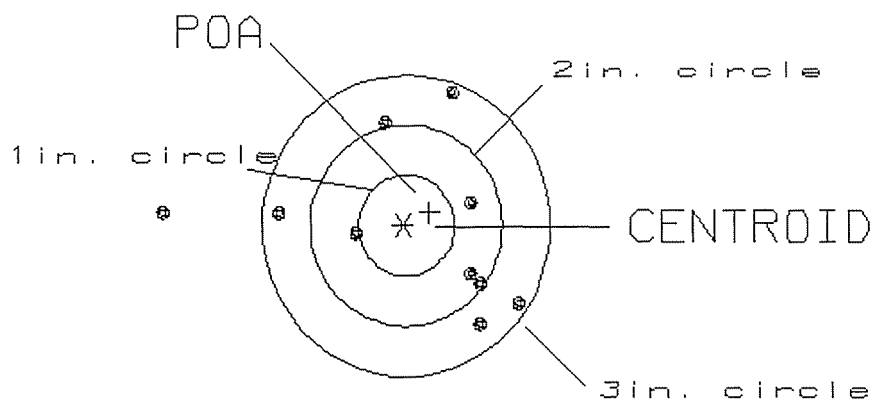
CENTROID X : -.273

CENTROID Y : -.125

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413465

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.68

0

VS= 2.38

3

GS= 3.78

9

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C 6594635**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/26/90	K.S.
600	Proof		12/26/90	K.S.
607	Check Headspace		12/26/90	K.S.
610	Dis-assemble Gun		12/26/90	K.S.
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		1-7-91	KR
615	Rollmark Caliber		1-7-91	JS
617	Drill and Tap Sight Holes	1	10 91	FVB
618	Polish Barrel	1	10 91	W/B
620	Apply Coatings (Barrel Action)		1-26-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/24/91	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/24/91	K.S.
	C) Inspect Ejector Hole for Chamfer		4/24/91	K.S.
	D) Oil Firing Pin Ass'y		4/24/91	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		4/26/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/29/91	JE
	G) Safety Off Force	3	3	3			4/29/91	JE
	H) Trigger Pull Test & Retainability						4/26/91	JE
	I) Firing Pin Indent	.022	.022	.022			4/29/91	JE
	J) Assemble Stock						5/2/91	KS
	K) Assemble Swivel Studs						5-18-91	KS
	L) Attach Front and Rear Sight Assemblies						5/2/91	KS
	M) Iron Sight Alignment						5/2/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/2/91	KS
	O) Attach Scope to Rifle						5/2/91	KS
	P) Detach & Attach Scope 20 Times						5/2/91	KS
640	Gallery Target & Test						5-2-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						5-2-91	NF
655	Final Inspection							
	A) Headspace						5-18-91	KS
	B) Trigger Pull	2.35	2.42	2.40	2.45	2.45	6/10/91	JE
	C) Function						5-18-91	KS
660	Pack						6-18-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C 6594635

DATE 4/26/91

TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.28	2.30	2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.30	2.38	2.42	
PULL #3	2.32	2.28	2.29	2.40	
PULL #4	2.34	2.20	2.32	2.45	
PULL #5	2.31	2.31	2.32	2.45	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.37		
PULL #2	3.32	3.53		
PULL #3	3.53	3.44		
PULL #4	3.57	3.38		
PULL #5	3.48	3.48		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.30		4.46
PULL #2	4.17	4.34		4.48
PULL #3	4.22	4.59		4.48
PULL #4	4.48	4.54		4.58
PULL #5	4.40	4.48		4.44
TOTAL				
AVG.				

New State

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594635
16 May 1991.

CENTROIDAL DISTANCES

0 TO	1	.267526
1 TO	2	.446054
1 TO	3	.542672
1 TO	4	.645611
1 TO	5	.22898

st - <----POA

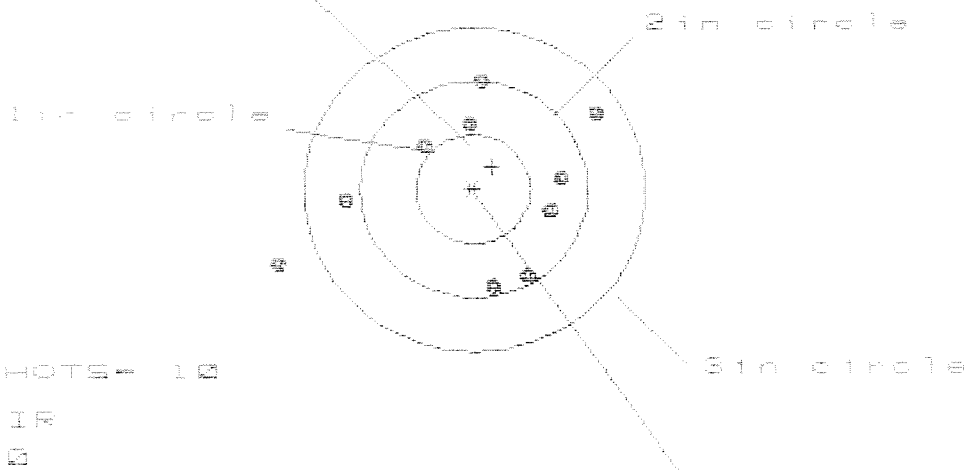
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2112
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1596
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .264722
THE AMR FOR THIS RIFLE IS: .9952

7/16/1961

FILE:/PATTERNING/CENTERFIRE_PATT/08594635.1

CENTERFIRE PATTERNS # 1

FOR



* OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 5

HS= 2.781

VS= 1.941

GS= 3.093

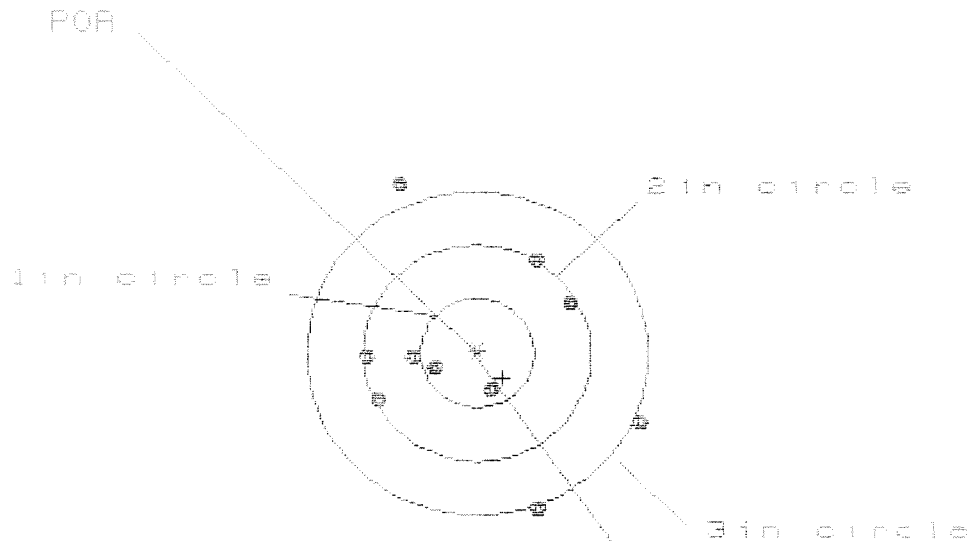
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.083	.894	.766
MINIMUM X	-1.698	-1.313	-1.281
MAXIMUM Y	1.043	.966	1.039
MINIMUM Y	-.898	-.975	-.962
CENTROID X	-.167	.022	-.090
CENTROID Y	-.209	-.132	-.205
FOR TO CENTROID in.	.268	.134	.224
MIN RADIUS	.554	.541	.585
MEAN RADIUS	.978	.852	.828
MAX RADIUS	1.833	1.330	1.209
HORIZONTAL SPREAD	2.781	2.207	1.907
VERTICAL SPREAD	1.941	1.941	1.941
EXTREME SPREAD	3.093	2.348	1.945
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	9	

16 May 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C8594685.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 7

HE= 2.408

VS= 2.980

GS= 3.195

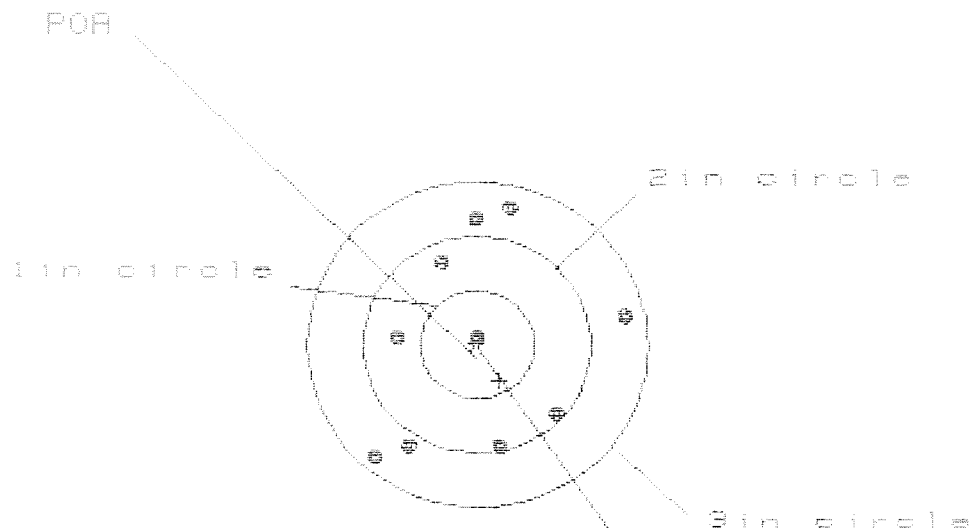
CENTROID *

PATTERN #	2	3	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.412	1.343	1.400
MINIMUM X	-0.996	-1.065	-1.008
MAXIMUM Y	1.517	1.067	.905
MINIMUM Y	-1.463	-1.294	-.594
CENTROID X	-.227	-.158	-.215
CENTROID Y	.233	.064	.226
POA TO CENTROID in.	.325	.170	.312
MIN RADIUS	.301	.120	.291
MEAN RADIUS	.998	.914	.949
MAX RADIUS	1.641	1.410	1.521
HORIZONTAL SPREAD	2.408	2.408	2.408
VERTICAL SPREAD	2.980	2.361	1.499
EXTREME SPREAD	3.195	2.479	2.479
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594635.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.266

VS= 2.339

GS= 2.668

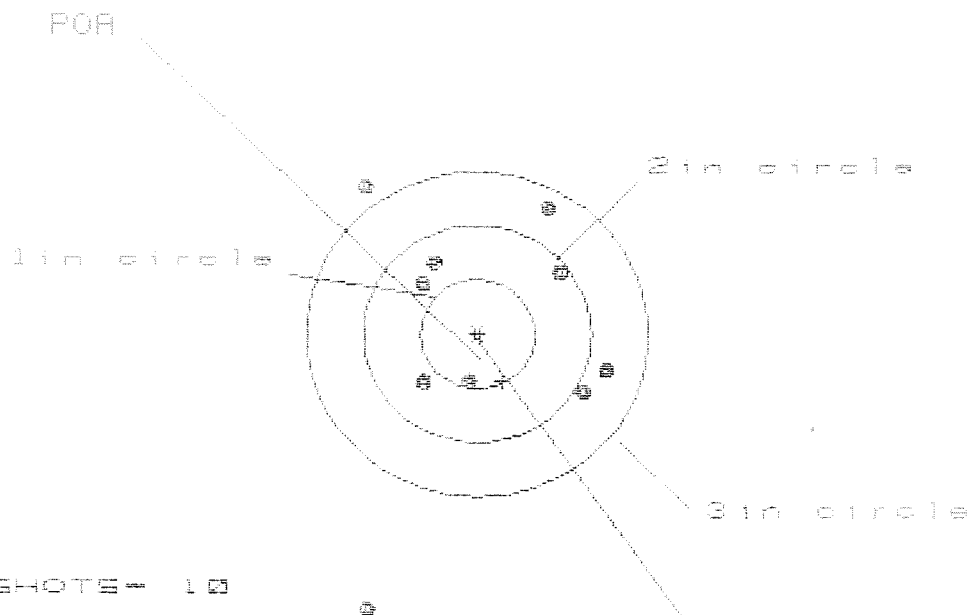
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.316	1.210	.744
MINIMUM X	:	-.950	-.791	-.639
MAXIMUM Y	:	1.282	1.164	1.178
MINIMUM Y	:	-1.057	-1.067	-1.053
CENTROID X	:	-.194	-.088	-.240
CENTROID Y	:	.333	.451	.437
POA TO CENTROID in.	:	.386	.459	.499
MIN RADIUS	:	.053	.146	.061
MEAN RADIUS	:	.975	.930	.868
MAX RADIUS	:	1.421	1.284	1.237
HORIZONTAL SPREAD	:	2.266	2.001	1.383
VERTICAL SPREAD	:	2.339	2.231	2.231
EXTREME SPREAD	:	2.668	2.421	2.421
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8534635.1

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.146

VS = 3.895

GS = 4.056

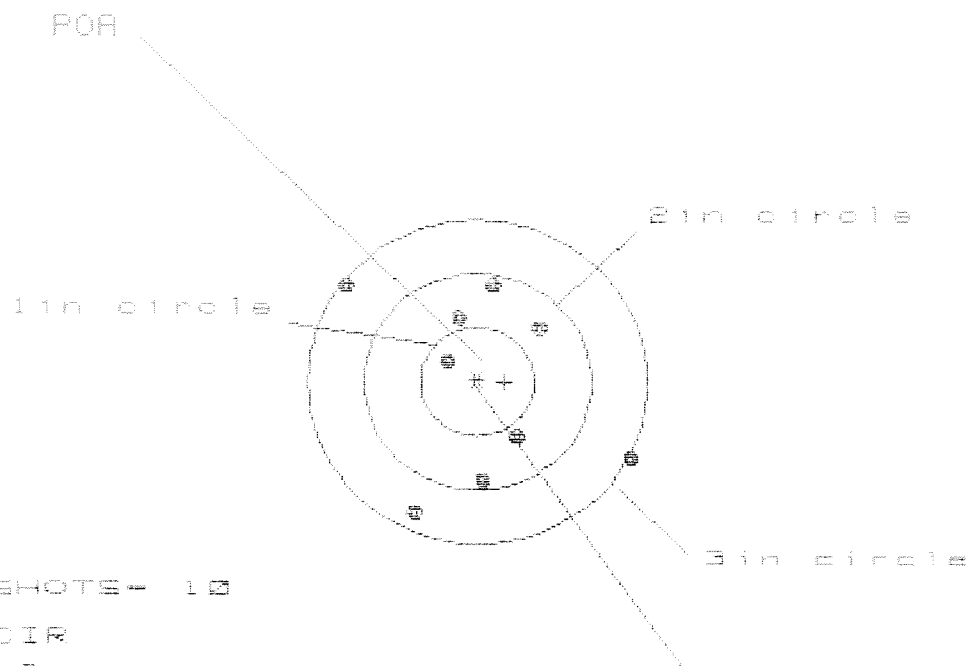
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.142	1.091	.892
MINIMUM X	:	-1.084	-1.107	-.774
MAXIMUM Y	:	1.362	1.080	1.048
MINIMUM Y	:	-2.533	-.824	-.689
CENTROID X	:	-.225	-.114	.025
CENTROID Y	:	.434	.716	.581
POA TO CENTROID in.	:	.489	.725	.581
MIN RADIUS	:	.450	.589	.649
MEAN RADIUS	:	1.146	.947	.865
MAX RADIUS	:	2.725	1.547	1.103
HORIZONTAL SPREAD	:	2.146	2.138	1.566
VERTICAL SPREAD	:	3.895	1.904	1.737
EXTREME SPREAD	:	4.056	2.733	1.936
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

16 May 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HE = 2.479

VE = 2.148

GE = 2.934

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.299	.730	.601
MINIMUM X	-1.180	-1.036	-.557
MAXIMUM Y	.928	.850	.948
MINIMUM Y	-1.220	-1.298	-1.200
CENTROID X	-.243	-.387	-.258
CENTROID Y	.007	.085	-.013
POA TO CENTROID in.	.243	.397	.258
MIN RADIUS	.311	.156	.314
MEAN RADIUS	.879	.781	.733
MAX RADIUS	1.477	1.367	1.323
HORIZONTAL SPREAD	2.479	1.766	1.158
VERTICAL SPREAD	2.148	2.148	2.148
EXTREME SPREAD	2.934	2.267	2.267
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06594635
2 May 1991

CENTROIDAL DISTANCES

0 TO	1	.112614
1 TO	2	.176139
1 TO	3	.088278
1 TO	4	.305954
1 TO	5	.12621

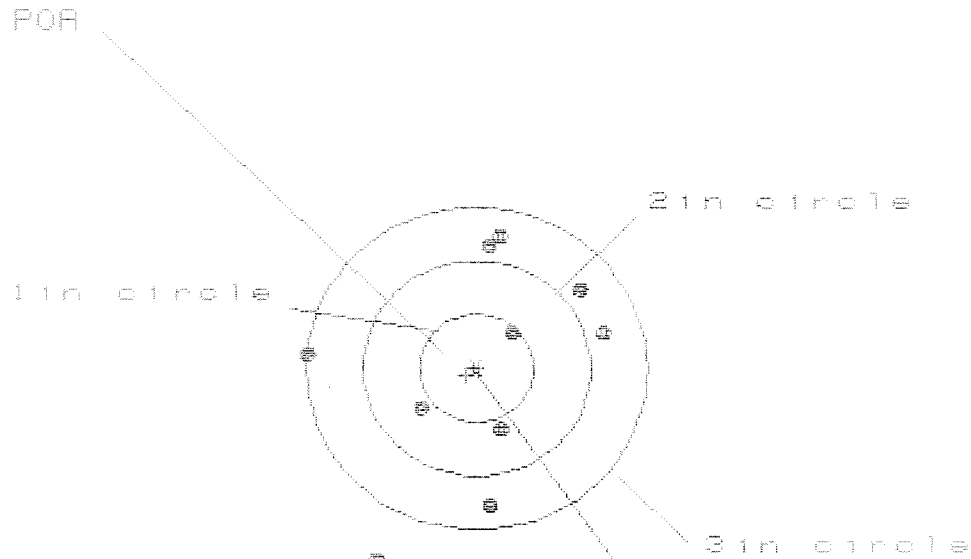
←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.93
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0406
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0504813
THE AMR FOR THIS RIFLE IS: .9902

2 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594635

CENTERFIRE PATTERNS # 1



OF SHOTS = 12

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS = 2.567

VS = 2.973

GS = 3.181

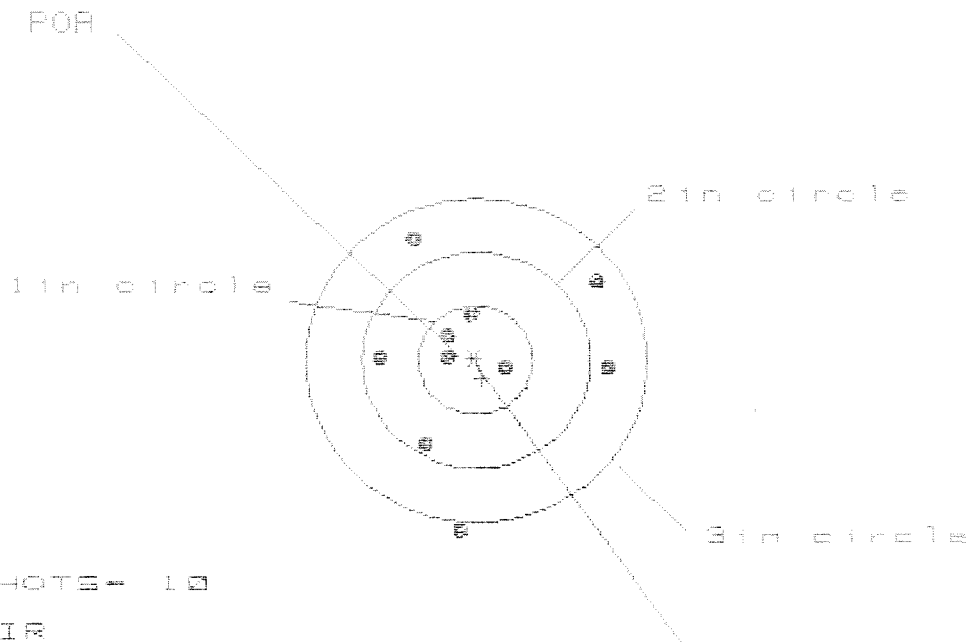
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.062	.961	.760
MINIMUM X	-1.505	-1.606	-1.775
MAXIMUM Y	1.234	1.041	1.035
MINIMUM Y	-1.738	-1.499	-1.505
CENTROID X	.089	.190	.391
CENTROID Y	.069	.262	.268
POA TO CENTROID in.	.112	.324	.474
MIN RADIUS	.435	.242	.095
MEAN RADIUS	1.100	.971	.853
MAX RADIUS	1.963	1.607	1.512
HORIZONTAL SPREAD	2.567	2.567	1.535
VERTICAL SPREAD	2.973	2.540	2.540
EXTREME SPREAD	3.181	2.576	2.541
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	8		

2 May 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 4

2in = 6

3in = 9

HS = 1.963

VS = 2.746

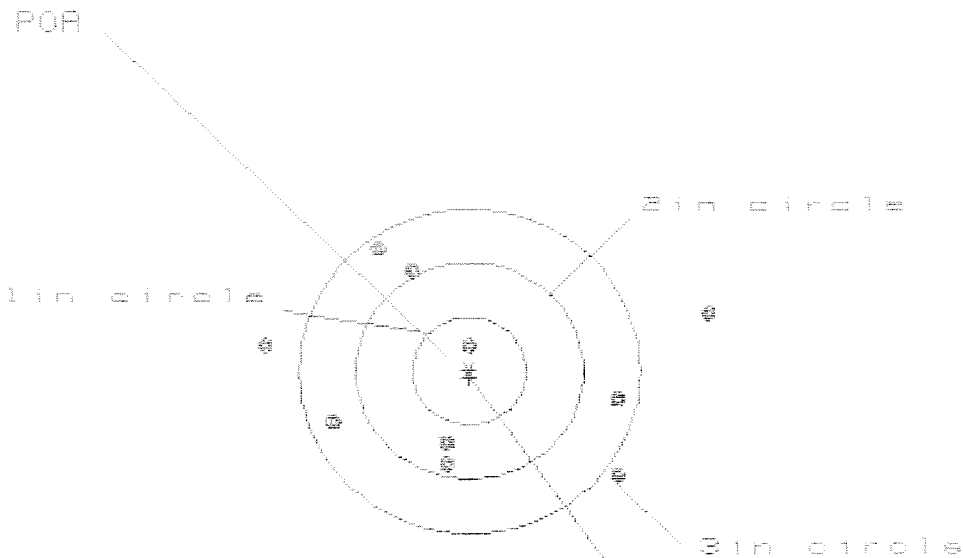
GS = 2.776

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.123	1.109	1.245
MINIMUM X	-.840	-.854	-.718
MAXIMUM Y	1.157	.981	1.051
MINIMUM Y	-1.589	-.979	-.969
CENTROID X	-.056	-.042	-.178
CENTROID Y	.169	.346	.276
POA TO CENTROID in.	.179	.349	.328
MIN RADIUS	.233	.242	.162
MEAN RADIUS	.829	.731	.639
MAX RADIUS	1.594	1.227	1.256
HORIZONTAL SPREAD	1.963	1.963	1.963
VERTICAL SPREAD	2.746	1.960	1.960
EXTREME SPREAD	2.776	2.174	2.053
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

2 May 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 2

3 in = 7

HS= 3.837

VS= 2.838

GS= 3.849

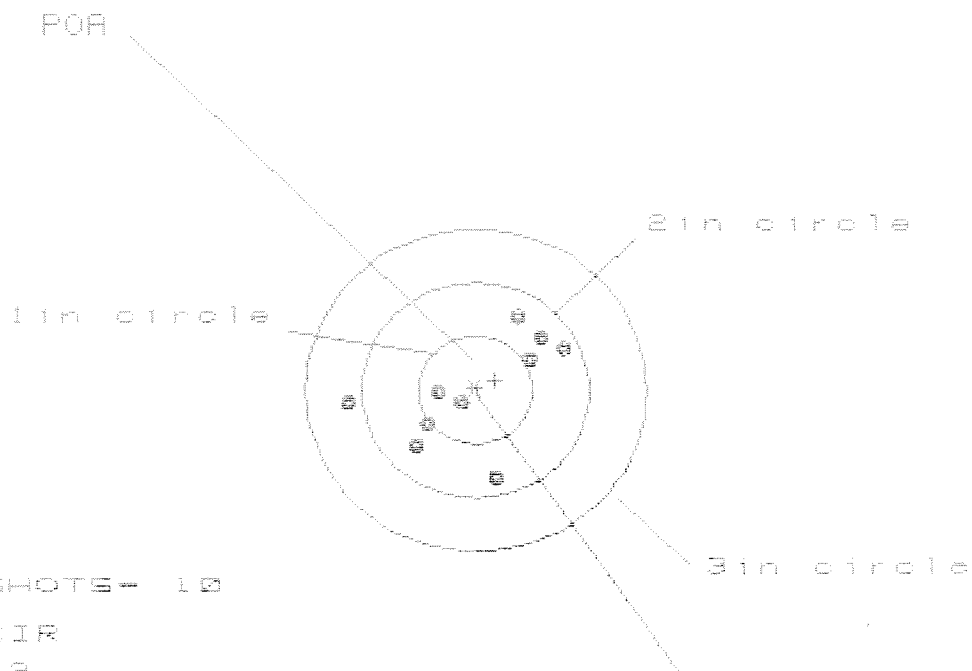
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.066	1.527	1.385
MINIMUM X	-1.771	-1.542	-1.156
MAXIMUM Y	1.118	1.176	1.209
MINIMUM Y	-.912	-.854	-.821
CENTROID X	.001	-.228	-.036
CENTROID Y	.062	.004	-.029
POA TO CENTROID in.	.062	.228	.046
MIN RADIUS	.247	.374	.398
MEAN RADIUS	1.223	1.100	1.035
MAX RADIUS	2.130	1.709	1.527
HORIZONTAL SPREAD	3.837	3.069	2.491
VERTICAL SPREAD	2.838	2.838	2.838
EXTREME SPREAD	3.849	3.224	2.874
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

2 May 1991

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 2

2in = 9

3in = 10

HS= 1.864

VS= 1.503

GS= 1.945

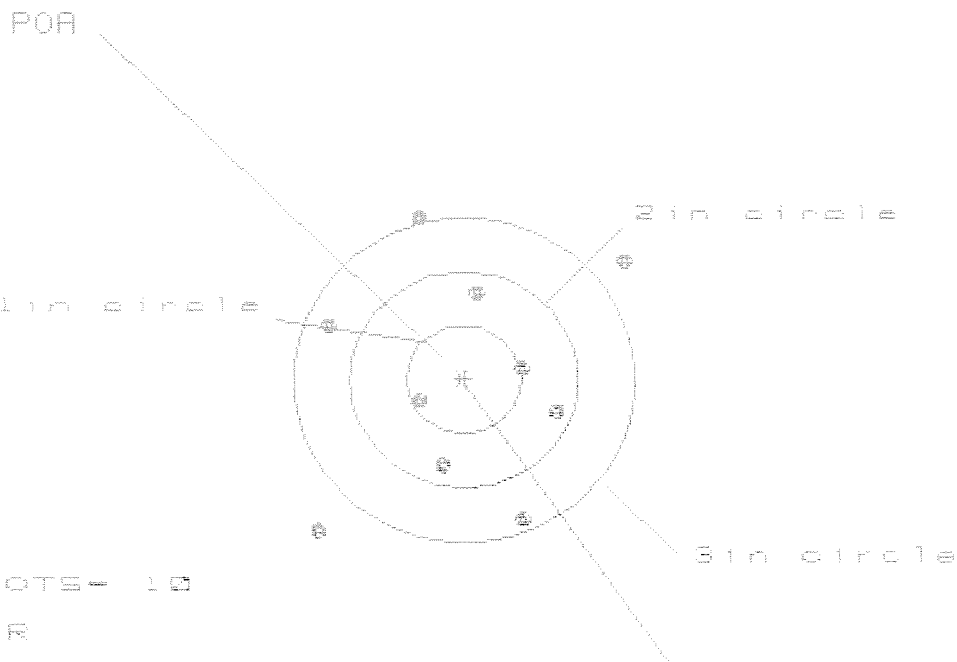
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.769	.647	.569
MINIMUM X	:	-1.095	-.626	-.545
MAXIMUM Y	:	.683	.666	.715
MINIMUM Y	:	-.820	-.837	-.788
CENTROID X	:	-.173	-.051	-.132
CENTROID Y	:	-.089	-.072	-.121
POA TO CENTROID in.	:	.194	.089	.179
MIN RADIUS	:	.179	.294	.200
MEAN RADIUS	:	.669	.626	.592
MAX RADIUS	:	1.105	.840	.802
HORIZONTAL SPREAD	:	1.864	1.273	1.105
VERTICAL SPREAD	:	1.503	1.503	1.503
EXTREME SPREAD	:	1.945	1.541	1.510
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

2 May 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.668

VS= 2.917

DS= 3.661

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.388	1.237	.864
MINIMUM X	-1.288	-1.308	-1.153
MAXIMUM Y	1.493	1.335	1.451
MINIMUM Y	-1.424	-1.472	-1.356
CENTROID X	-.014	.132	-.023
CENTROID Y	-.008	.150	.034
POA TO CENTROID in.	.014	.200	.041
MIN RADIUS	.424	.347	.433
MEAN RADIUS	1.130	1.029	.954
MAX RADIUS	1.920	1.545	1.506
HORIZONTAL SPREAD	2.668	2.545	2.017
VERTICAL SPREAD	2.917	2.807	2.807
EXTREME SPREAD	3.661	2.959	2.959
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		