

C6225316

MODEL 700™ M24

Model 700 M24™

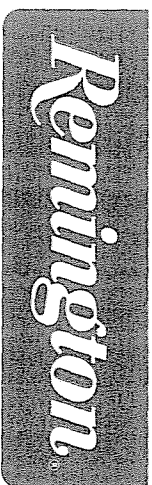
Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



Repair Inquiry

Repair Number: **RE00092445**

Serial: C6225316 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/20/1988

Repairman:

Status:

Closed 2/3/2005 1:26:15 PM

Address Information

Customer:

☒ Received From:

Return To:

☐ Received From:

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box:

City: ANNISTON

State: AL

Zip Code: 362014199

Country: US

ANNISTON

PO Box:

State: AL

Zip Code: 362014199

Country: US

FFL:

Contact / Condition

Problems:

Estimate:

History / Status:

Shipping / Billing:

Contact Information:

Phone:

Fax:

Email:

Comments:

Received Condition:

Good

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

magletj

2/7/2005

10:43 AM

CAPS

NUM

INS

SCPL

start

3

Arms Services R...

2

Serial Number:

C6225316

Model: M24 SWS



RE00092445

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225316.___0
FILE DATE AND TIME: 09/01/2005 11:16

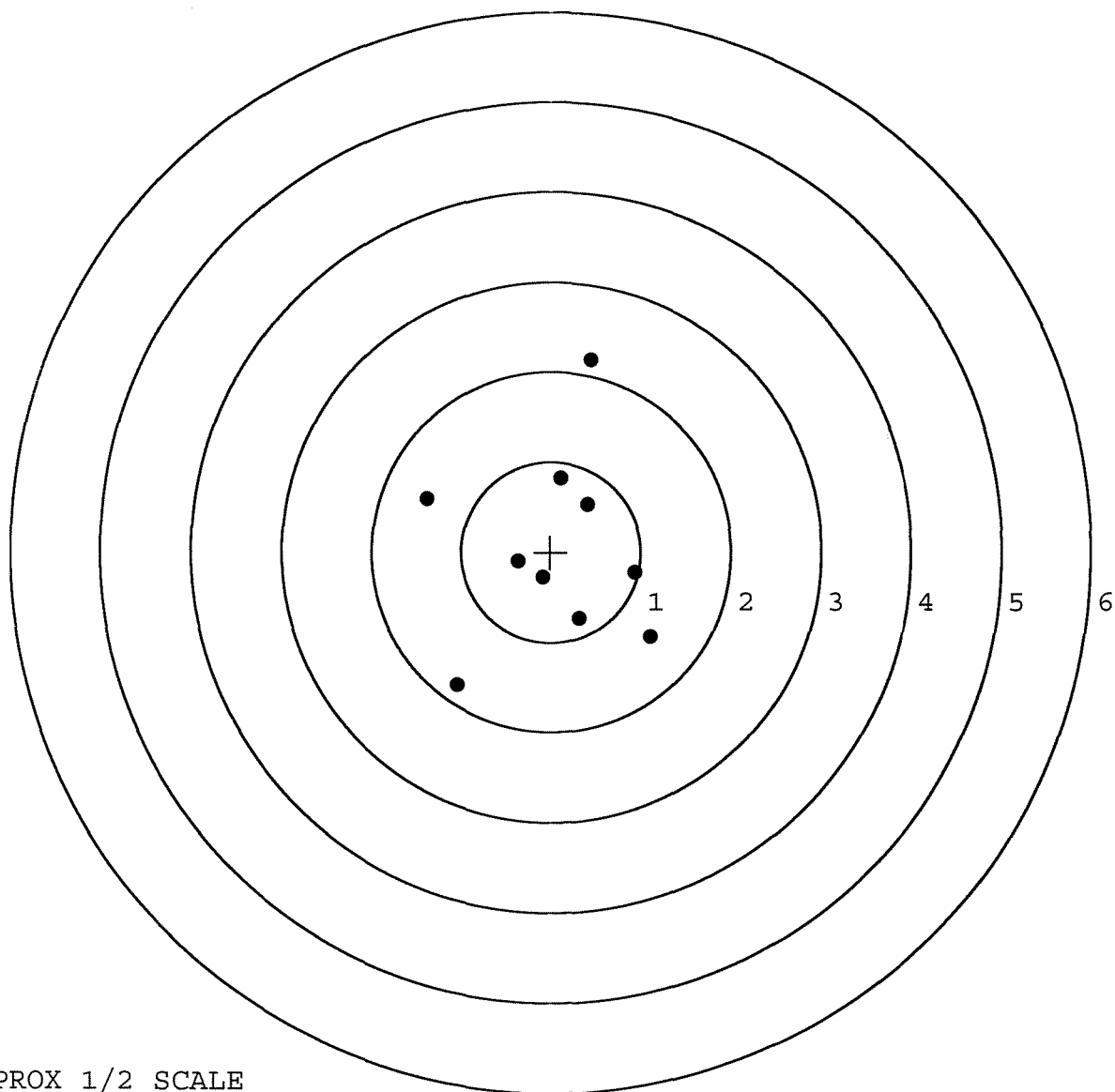
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.051
The Average Y Centroid of the Five Target Set:	0.011
The Average Point of Impact of the Five Target Set:	0.052
The Average Mean Radius of the Five Target Set:	0.973
The Distance from POA to Centroid Target #1:	0.054
The Distance from Centroid Target #2 to Centroid Target #1:	0.385
The Distance from Centroid Target #3 to Centroid Target #1:	0.179
The Distance from Centroid Target #4 to Centroid Target #1:	0.284
The Distance from Centroid Target #5 to Centroid Target #1:	0.281

SERIAL NUMBER: C6225316. __0
TARGET NUMBER: 1
FILE DATE: 09/01/2005
FILE TIME: 11:16

X CENTROID: 0.046
Y CENTROID: 0.029
POA TO CENTROID: 0.054
HORZ SPREAD: 2.489
VERT SPREAD: 3.614
GROUP SPREAD: 3.910
MIN RADIUS: 0.340
MAX RADIUS: 2.142
MEAN RADIUS: 1.091
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	1.107	-0.945
2:	0.938	-0.227
3:	0.317	-0.740
4:	-1.044	-1.481
5:	-0.087	-0.284
6:	-0.366	-0.104
7:	0.411	0.529
8:	0.114	0.817
9:	-1.382	0.591
10:	0.449	2.133

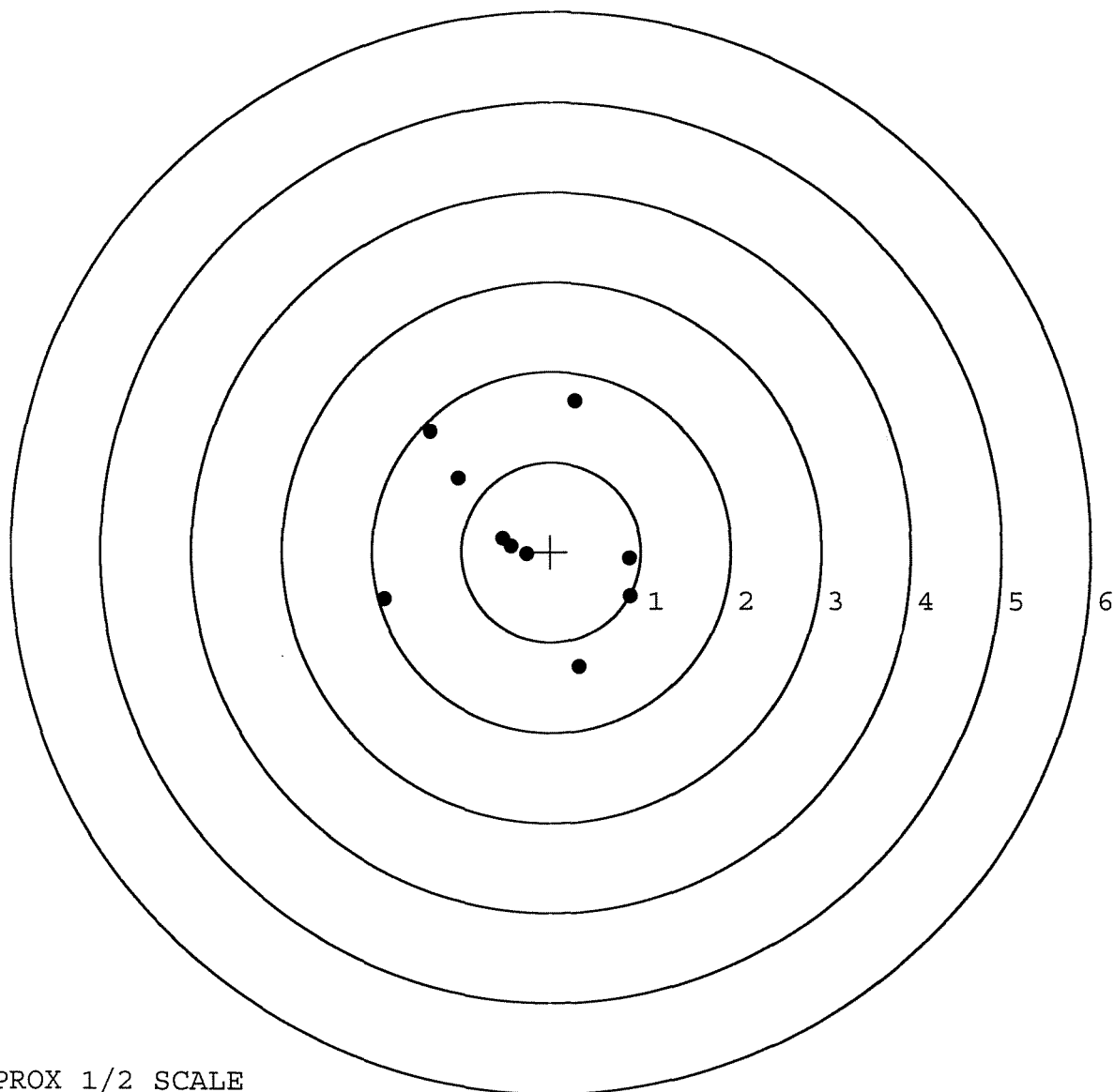


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225316. __0
TARGET NUMBER: 2
FILE DATE: 09/01/2005
FILE TIME: 11:16

X CENTROID: -0.316
Y CENTROID: 0.163
POA TO CENTROID: 0.355
HORZ SPREAD: 2.749
VERT SPREAD: 2.953
GROUP SPREAD: 3.064
MIN RADIUS: 0.160
MAX RADIUS: 1.696
MEAN RADIUS: 1.060
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.316	-1.278
2:	0.885	-0.500
3:	0.879	-0.078
4:	-0.271	-0.031
5:	-0.442	0.064
6:	-0.538	0.152
7:	-1.864	-0.530
8:	-1.036	0.815
9:	-1.349	1.338
10:	0.264	1.675

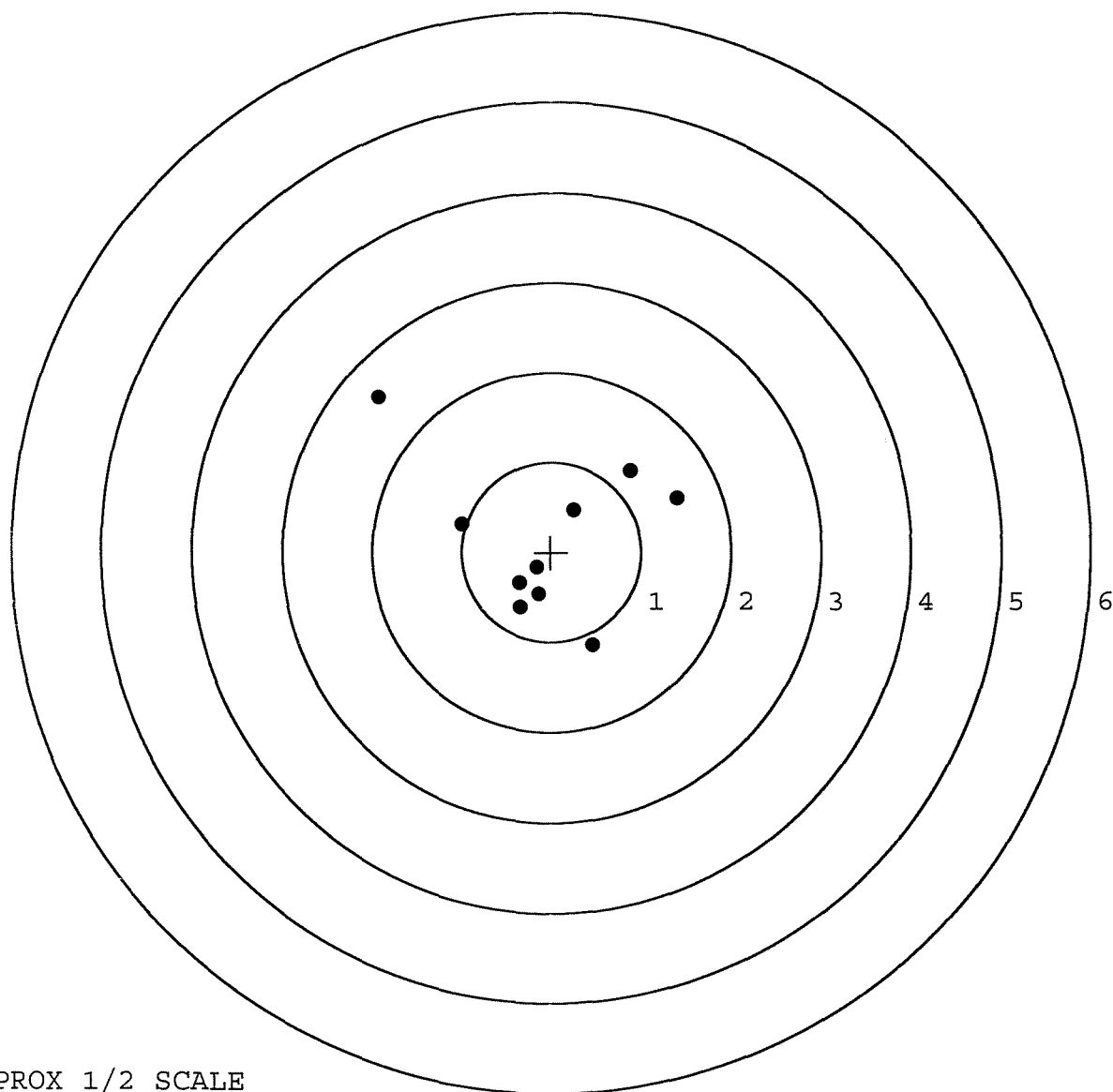


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225316. __0
TARGET NUMBER: 3
FILE DATE: 09/01/2005
FILE TIME: 11:16

X CENTROID: -0.096
Y CENTROID: 0.138
POA TO CENTROID: 0.169
HORZ SPREAD: 3.327
VERT SPREAD: 2.756
GROUP SPREAD: 3.653
MIN RADIUS: 0.313
MAX RADIUS: 2.425
MEAN RADIUS: 1.020
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.464	-1.034
2:	1.394	0.602
3:	0.883	0.902
4:	0.253	0.469
5:	-0.162	-0.167
6:	-0.145	-0.467
7:	-0.359	-0.342
8:	-0.352	-0.617
9:	-1.005	0.317
10:	-1.933	1.722

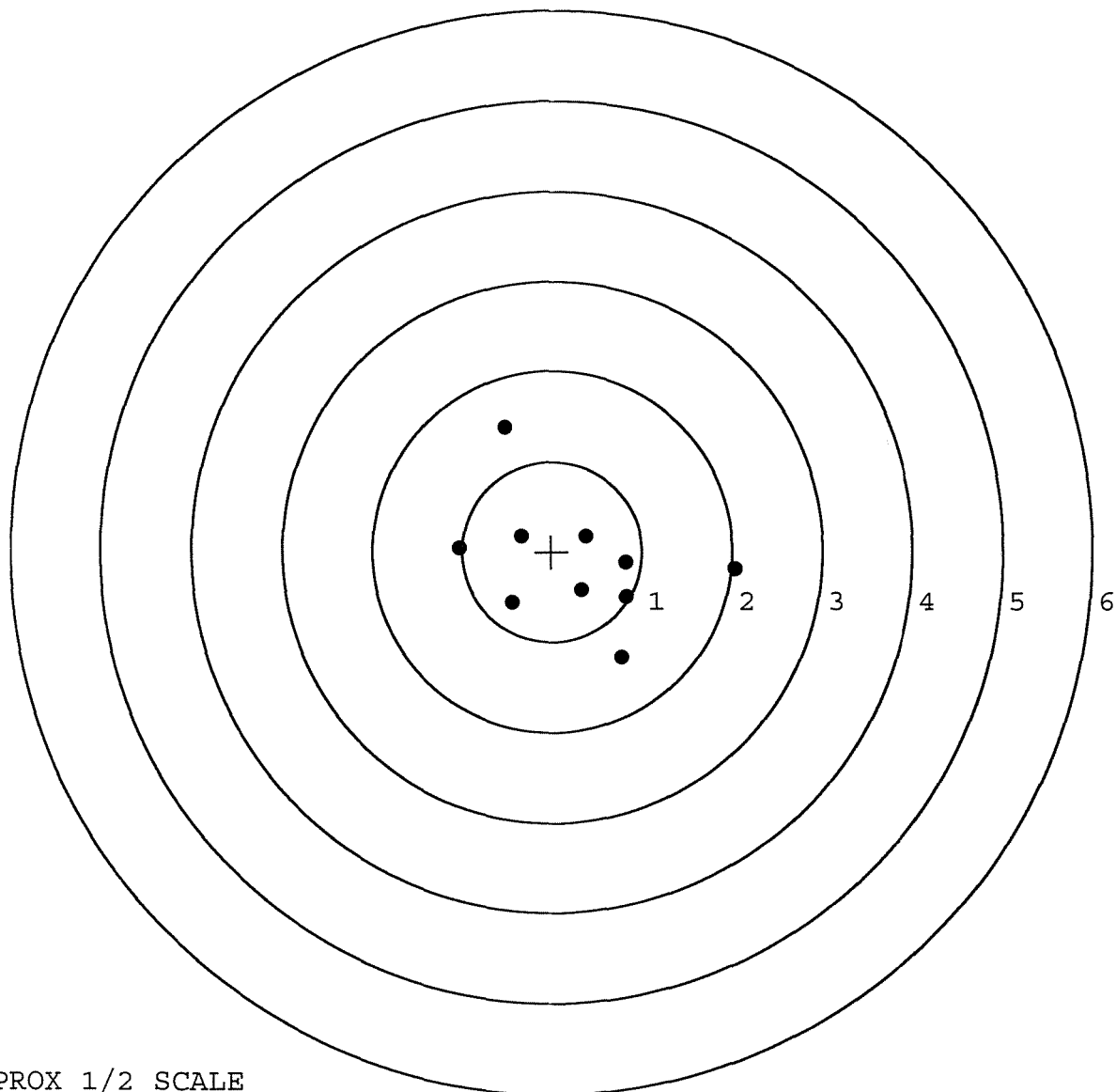


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225316. __0
TARGET NUMBER: 4
FILE DATE: 09/01/2005
FILE TIME: 11:16

X CENTROID: 0.285
Y CENTROID: -0.125
POA TO CENTROID: 0.311
HORZ SPREAD: 3.063
VERT SPREAD: 2.551
GROUP SPREAD: 3.072
MIN RADIUS: 0.310
MAX RADIUS: 1.749
MEAN RADIUS: 0.930
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.784	-1.175
2:	0.828	-0.502
3:	0.329	-0.432
4:	0.382	0.170
5:	-0.440	-0.572
6:	-0.338	0.168
7:	-1.031	0.036
8:	-0.524	1.376
9:	2.032	-0.194
10:	0.824	-0.122

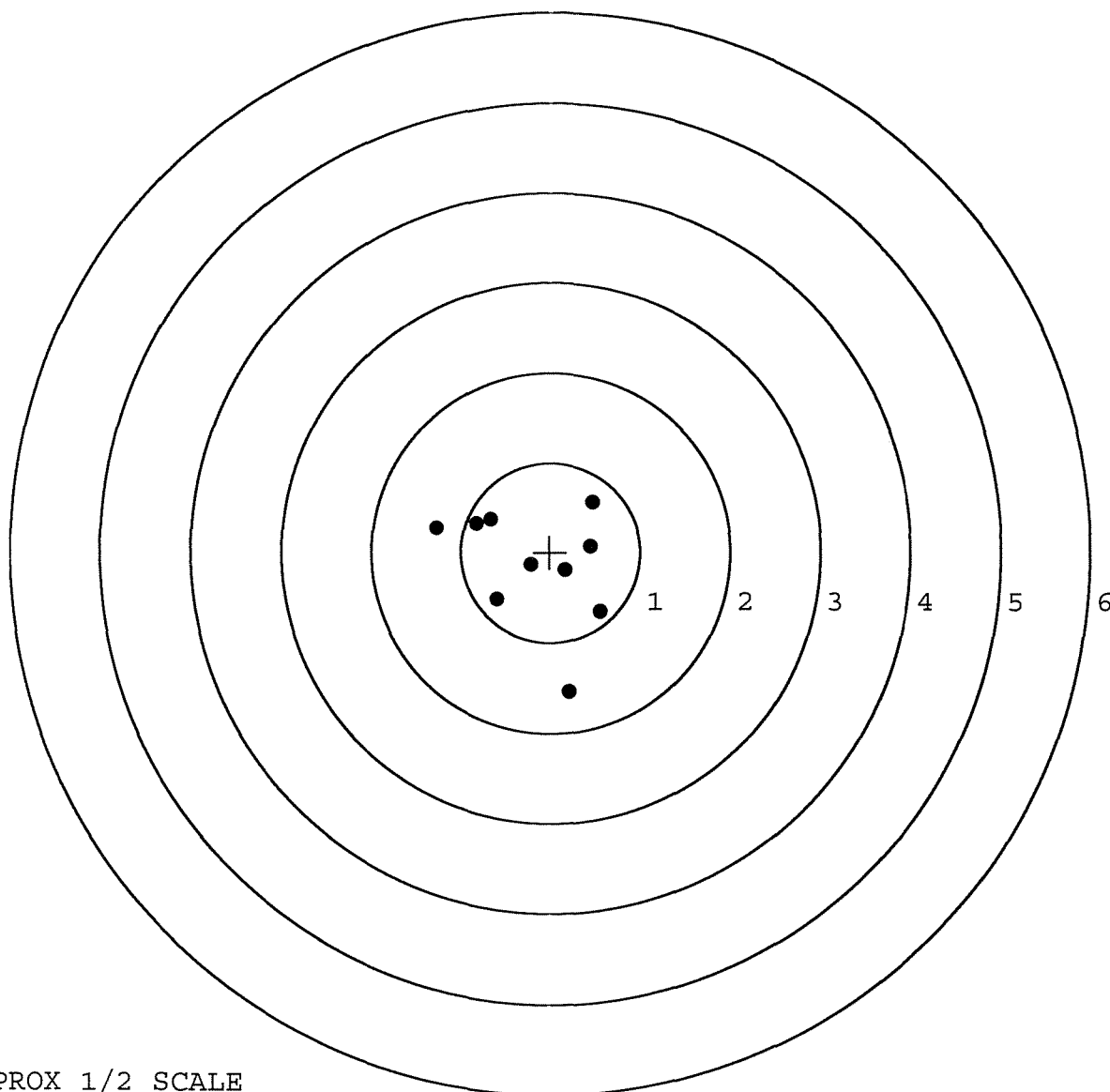


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225316. 0
TARGET NUMBER: 5
FILE DATE: 09/01/2005
FILE TIME: 11:16

X CENTROID: -0.172
Y CENTROID: -0.148
POA TO CENTROID: 0.227
HORZ SPREAD: 1.832
VERT SPREAD: 2.112
GROUP SPREAD: 2.348
MIN RADIUS: 0.046
MAX RADIUS: 1.451
MEAN RADIUS: 0.763
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.215	-1.546
2:	0.557	-0.662
3:	-0.598	-0.527
4:	0.172	-0.202
5:	-0.218	-0.143
6:	0.447	0.070
7:	0.473	0.566
8:	-0.668	0.371
9:	-0.827	0.323
10:	-1.275	0.269



TARGET APPROX 1/2 SCALE

CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	92445		
SERIAL NUMBER	C6225316		
LOG-IN DATE	2-3-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-16-05	RTZ
560 A	RE-BARREL	8-23-05	RTZ
B	DRILL AND TAP	8-25-05	TRW
575	ASSEMBLE	8-24-05	RTZ
600	PROOF	8-24-05	AC
605	CHECK HEADSPACE	8-24-05	AC
610	DIS-ASSEMBLE GUN	8-25-05	RTZ
612	MAGNAFLUX	8/25/05	armed
615	ROLLMARK CALIBER	8-25-05	CW
618	ROTO-BLAST	8-26-05	LB
620	APPLY COATINGS	8/29/05	RTZ
625 A	FINAL ASSEMBLY	8-31-05	RR
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	9-6-05	AC
D	SAFETY "OFF" FORCE	9-6-05	AC
E	FIRING PIN INDENT	9-6-05	AC
640	TARGET	9-1-05	TRW
655	FINAL INSPECT	9-6-05	AC
660	PACK	9-12-05	RA
		SHIP DATE	
QAR INSPECTION DATE			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225316

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	9 12 88		FB
600	Proof	9 19 88		RW
607	Check Headspace	9 19 88		RW
610	Dis-assemble gun	9 19 88		RW
612	Magnaflux Barrel Action		9 22 88	P/R
	Magnaflux Bolt		9 22 88	P/R
615	Rollmark Caliber			
617	Drill & Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/3/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/5/88	RW
	C) Inspect Ejector Hole for Chamfer		11/3/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		11/3/88	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		3/NOV88	JS
	F) Safety on Force	4.5 : 4.5 : 4.5	4/NOV88	JS
	G) Safety off Force	3 : 3 : 3	4/NOV88	JS
	H) Trigger Pull Test & Retainability		3/NOV88	JS
	I) Firing Pin Indent	.021 : .021 : .021	4/NOV88	JS
	J) Assemble Stock		11/16/88	RW
	K) Attach Front & Rear Sight Assemblies		11/16/88	RW
	L) Iron Sight Alignment		11/16/88	RW
	M) Detach Front & Rear Sights & place in numbered container		11/16/88	RW
	N) Attach Scope to Rifle		11/16/88	WB.
	O) Detach & Attach Scope 20 times		11/16/88	WB.
640	Gallery Target & Test	58 R 94L	11/18/88	DH
	A) Optical Clarity of Scope		11/18/88	DH
645	Inspect for Live Ammo		11/18/88	DH
655	Final Inspection A) Headspace		1 Dec 88	JS
	B) Trigger Pull	2.68 : 2.70 : 2.76	2.80 : 2.80	JS
	C) Function		1 Dec 88	JS
	D) Assemble Swivel Studs		1 Dec 88	JS
660	Pack		14 Dec 88	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6225316

DATE 3 NOV 88

TESTER J. H. + J. S.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.38	2.57	2.68	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.29	2.35	2.54	2.70	
PULL #3	2.27	2.37	2.51	2.76	
PULL #4	2.27	2.34	2.53	2.80	
PULL #5	2.27	2.36	2.52	2.80	
TOTAL	11.48	11.80	12.67	13.74	
AVG.	2.296	2.36	2.534	2.748	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.23		
PULL #2	3.26	3.28		
PULL #3	3.25	3.23		
PULL #4	3.22	3.29		
PULL #5	3.23	3.24		
TOTAL	16.22	16.27		
AVG.	3.244	3.254		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.27		4.19
PULL #2	4.28	4.30		4.27
PULL #3	4.29	4.35		4.25
PULL #4	4.30	4.40		4.23
PULL #5	4.20	4.36		4.30
TOTAL	21.35	21.68		21.24
AVG.	4.27	4.336		4.248

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225316

CENTROIDAL DISTANCES

0 TO	1	1.28189
1 TO	2	.684796
1 TO	3	.587429
1 TO	4	.534575
1 TO	5	.550622

A 1
B

+ <----FOA

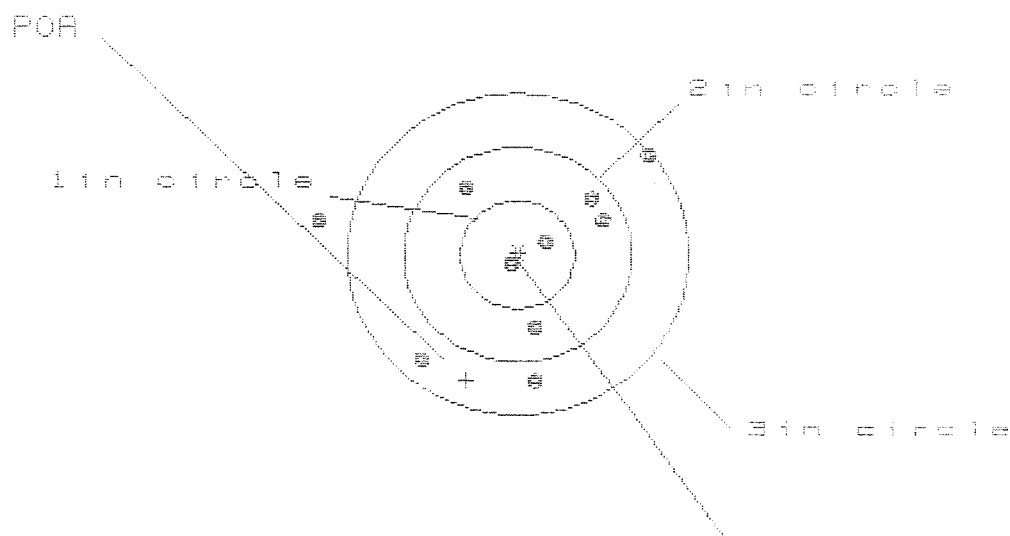
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .8364
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.0056
THE RESULTING AVERAGE FOI RADIUS FOR THIS RIFLE IS: 1.00626
THE AMR FOR THIS RIFLE IS: .8368

28 May 1986

FILE:/PATTERNING/CENTERFIRE_PATT/08225316

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 2.905

VS= 2.060

GS= 2.958

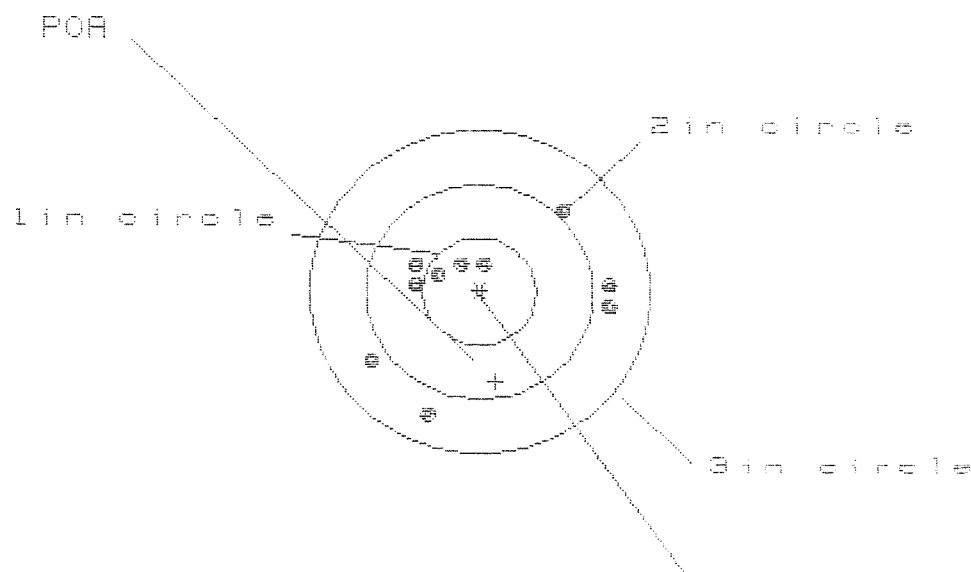
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.159	.965	.717
MINIMUM X	-1.746	-1.034	-.913
MAXIMUM Y	.896	.934	.759
MINIMUM Y	-1.164	-1.126	-1.009
CENTROID X	.455	.649	.528
CENTROID Y	1.177	1.139	1.022
POA TO CENTROID in.	1.261	1.311	1.151
MIN RADIUS	.043	.161	.163
MEAN RADIUS	.919	.813	.750
MAX RADIUS	1.778	1.428	1.260
HORIZONTAL SPREAD	2.905	1.999	1.630
VERTICAL SPREAD	2.060	2.060	1.768
EXTREME SPREAD	2.958	2.771	2.156
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08825318

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS = 2.140

VS = 1.933

GS = 2.251

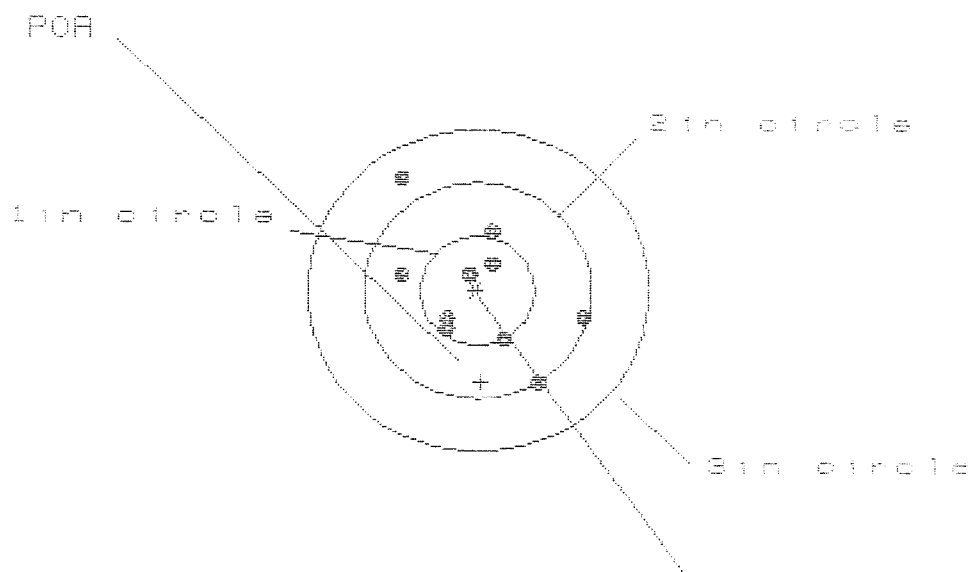
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.184	1.137	1.222
MINIMUM X	:	-1.956	-1.003	-1.861
MAXIMUM Y	:	.755	.624	.618
MINIMUM Y	:	-1.178	-1.743	-1.749
CENTROID X	:	-1.140	-1.093	-1.235
CENTROID Y	:	.838	.969	.975
POA TO CENTROID in.	:	.850	.974	1.003
MIN RADIUS	:	.295	.157	.140
MEAN RADIUS	:	.802	.725	.636
MAX RADIUS	:	1.251	1.248	1.243
HORIZONTAL SPREAD	:	2.140	2.140	2.083
VERTICAL SPREAD	:	1.933	1.367	1.367
EXTREME SPREAD	:	2.251	2.251	2.154
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			10	

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225318

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.643

VS= 1.828

GS= 2.219

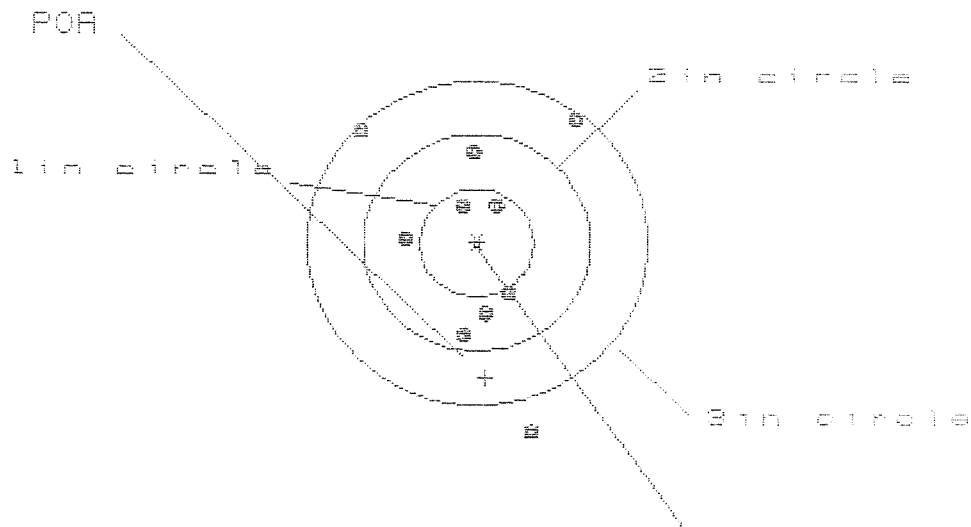
CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.949	.872	.933
MINIMUM X	-.694	-.712	-.651
MAXIMUM Y	1.015	.649	.561
MINIMUM Y	-.813	-.700	-.444
CENTROID X	-.033	.044	-.017
CENTROID Y	.850	.737	.825
POA TO CENTROID in.	.850	.738	.825
MIN RADIUS	.190	.327	.221
MEAN RADIUS	.616	.554	.496
MAX RADIUS	1.230	.879	.954
HORIZONTAL SPREAD	1.643	1.584	1.584
VERTICAL SPREAD	1.828	1.349	1.005
EXTREME SPREAD	2.219	1.621	1.621
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

26 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225318

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 1.923

VS= 2.866

GS= 3.133

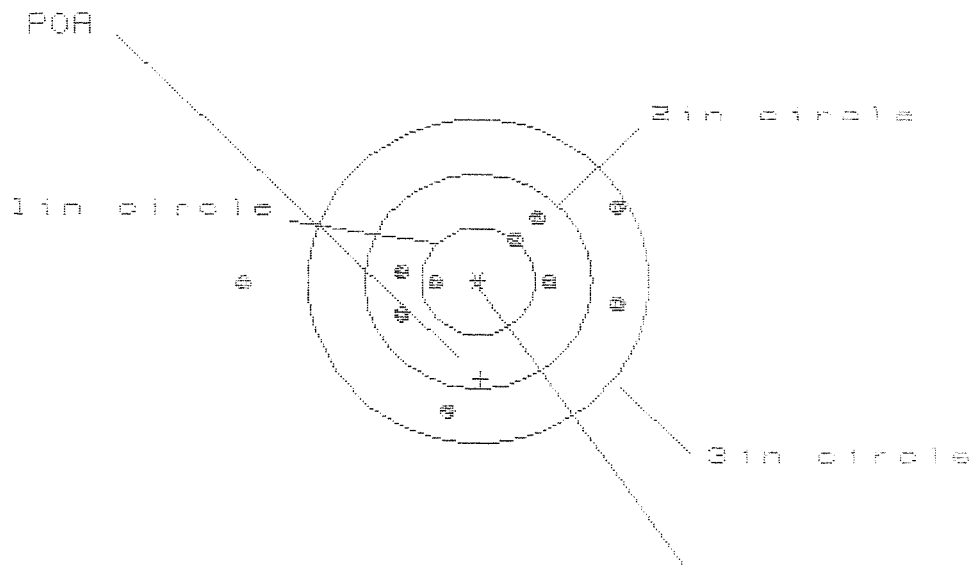
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.872	.925	.800
MINIMUM X	-1.051	-.998	-.667
MAXIMUM Y	1.142	.950	1.052
MINIMUM Y	-1.724	-.998	-.896
CENTROID X	-.074	-.128	-.003
CENTROID Y	1.254	1.446	1.344
POA TO CENTROID in.	1.257	1.452	1.344
MIN RADIUS	.340	.141	.263
MEAN RADIUS	.889	.762	.698
MAX RADIUS	1.790	1.326	1.322
HORIZONTAL SPREAD	1.923	1.923	1.467
VERTICAL SPREAD	2.866	1.948	1.948
EXTREME SPREAD	3.133	2.172	2.172
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CS225316

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 9

HW= 3.340

VS= 1.878

GS= 3.386

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.245	1.012	1.134
MINIMUM X	-2.095	-.867	-.745
MAXIMUM Y	.689	.684	.672
MINIMUM Y	-1.189	-1.194	-1.109
CENTROID X	-.026	.207	.065
CENTROID Y	.909	.914	.829
POA TO CENTROID in.	.909	.937	.933
MIN RADIUS	.343	.360	.451
MEAN RADIUS	.958	.812	.765
MAX RADIUS	2.096	1.282	1.161
HORIZONTAL SPREAD	3.340	1.879	1.879
VERTICAL SPREAD	1.878	1.878	1.781
EXTREME SPREAD	3.386	2.369	1.946
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	