C627517

MODEL 700™ M24

Model SWS™

Action

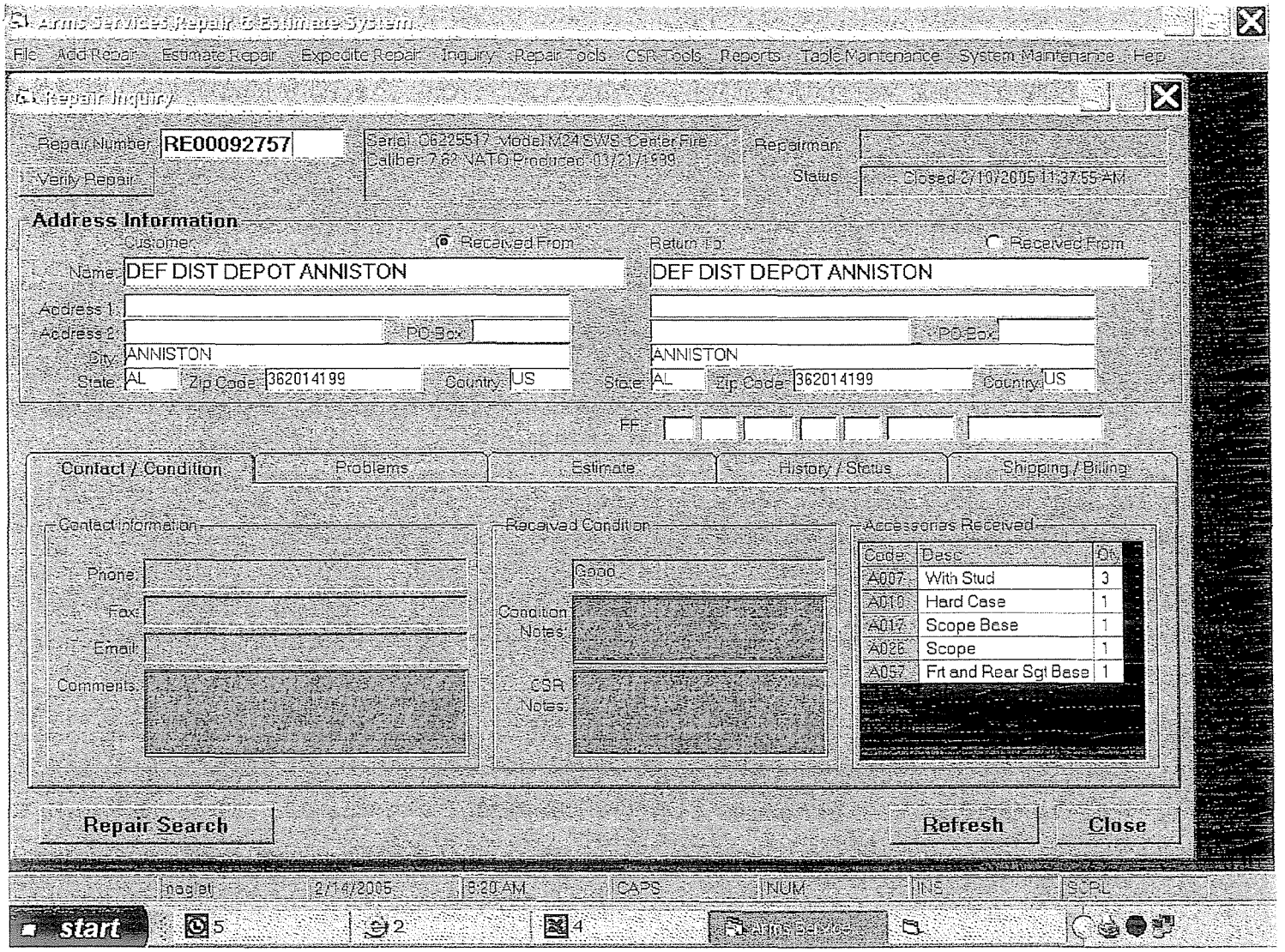
Barrel Length

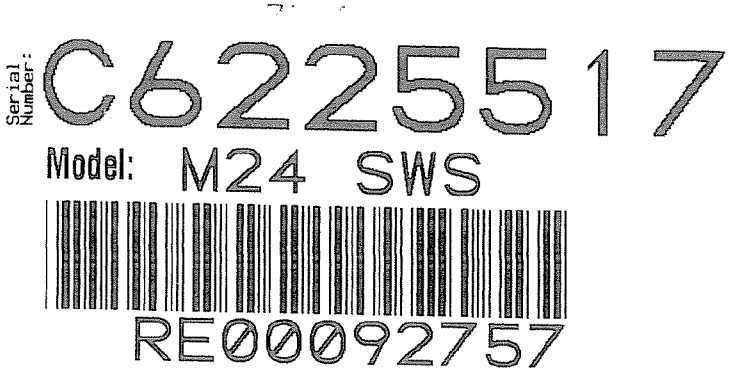
Capacity

Order No. 5716

*Includes 1 in chamber.

Remington®


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 RE00092757
Verify Repair
Serial: C6225517 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 03/21/1999
Repairman:
Status: Closed 2/10/2005 11:37:55 AM
Address Information
Customer
Received From
Name: DEF DIST DEPOT ANNISTON
Address 1:
Address 2:
PO Box:
City: ANNISTON
State: AL Zip Code: 362014199 Country: US
Return To
Received From
DEF DIST DEPOT ANNISTON
PO Box:
ANNISTON
State: AL Zip Code: 362014199 Country: US
FF:
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
A010 Hard Case 1
A017 Scope Base 1
A026 Scope 1
A057 Frt and Rear Sgt Base 1
Repair Search
Refresh
Close
2/14/2005 8:20 AM CAPS NUM INS SCRL
start


Serial Number: C6225517
Model: M24 SWS
RE00092757

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225517.__0
FILE DATE AND TIME: 06/23/2005 10:00

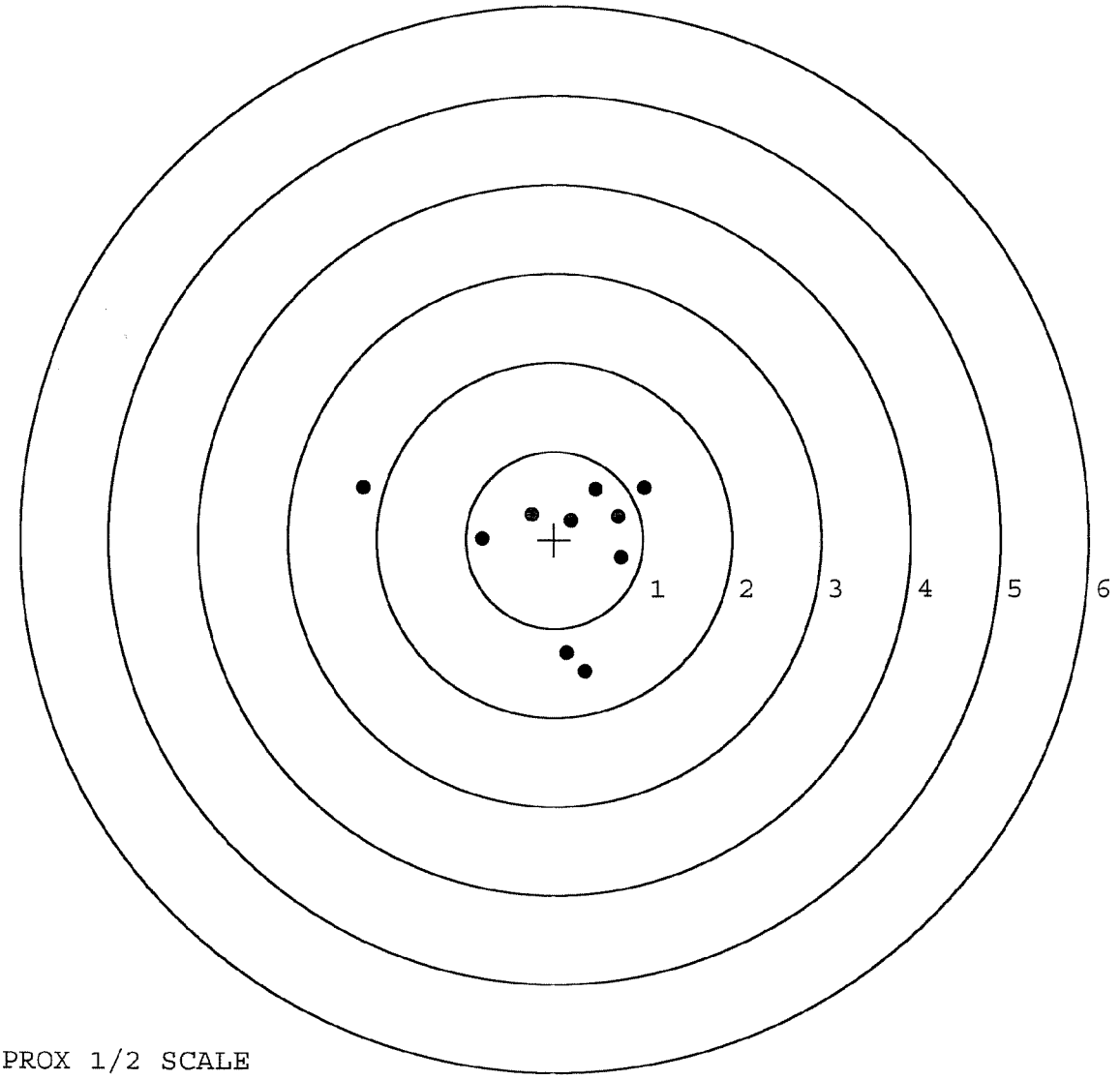
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.054
The Average Y Centroid of the Five Target Set:	0.019
The Average Point of Impact of the Five Target Set:	0.058
The Average Mean Radius of the Five Target Set:	0.905
The Distance from POA to Centroid Target #1:	0.060
The Distance from Centroid Target #2 to Centroid Target #1:	0.198
The Distance from Centroid Target #3 to Centroid Target #1:	0.158
The Distance from Centroid Target #4 to Centroid Target #1:	0.264
The Distance from Centroid Target #5 to Centroid Target #1:	0.033

SERIAL NUMBER: C6225517.__0
TARGET NUMBER: 1
FILE DATE: 06/23/2005
FILE TIME: 10:00

X CENTROID:	0.039
Y CENTROID:	-0.046
POA TO CENTROID:	0.060
HORZ SPREAD:	3.165
VERT SPREAD:	2.079
GROUP SPREAD:	3.247
MIN RADIUS:	0.303
MAX RADIUS:	2.280
MEAN RADIUS:	0.998
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	1.011	0.590
2:	0.461	0.569
3:	0.717	0.266
4:	0.192	0.215
5:	0.747	-0.205
6:	-0.259	0.284
7:	-0.818	0.013
8:	-2.154	0.580
9:	0.142	-1.283
10:	0.348	-1.489

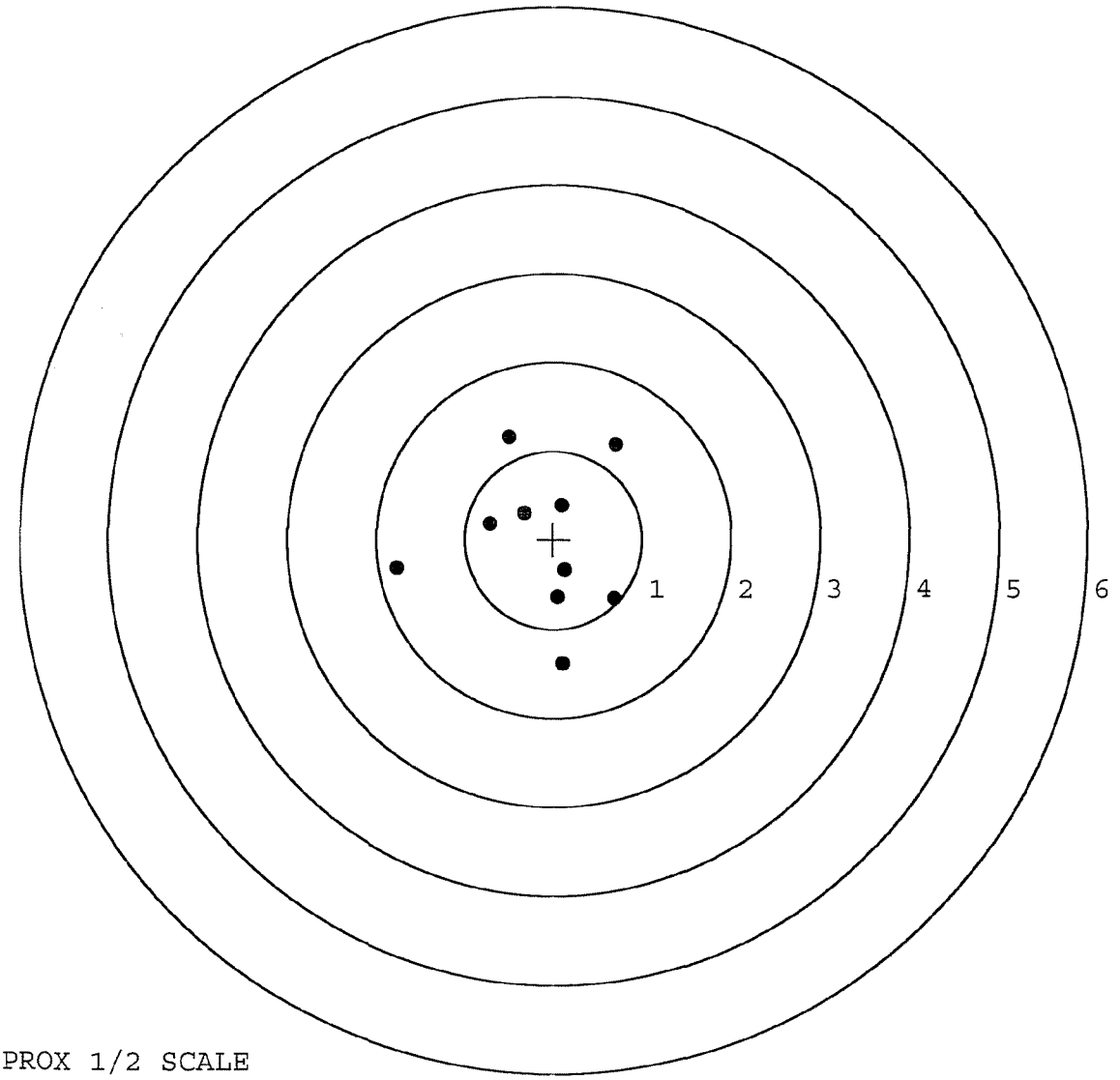


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225517.__0
TARGET NUMBER: 2
FILE DATE: 06/23/2005
FILE TIME: 10:00

X CENTROID:	-0.159
Y CENTROID:	-0.029
POA TO CENTROID:	0.161
HORZ SPREAD:	2.468
VERT SPREAD:	2.547
GROUP SPREAD:	2.842
MIN RADIUS:	0.374
MAX RADIUS:	1.642
MEAN RADIUS:	0.926
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	5
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.695	1.079
2:	0.087	0.382
3:	-0.338	0.299
4:	-0.507	1.158
5:	-0.722	0.174
6:	-1.773	-0.331
7:	0.133	-0.349
8:	0.051	-0.652
9:	0.681	-0.664
10:	0.106	-1.389

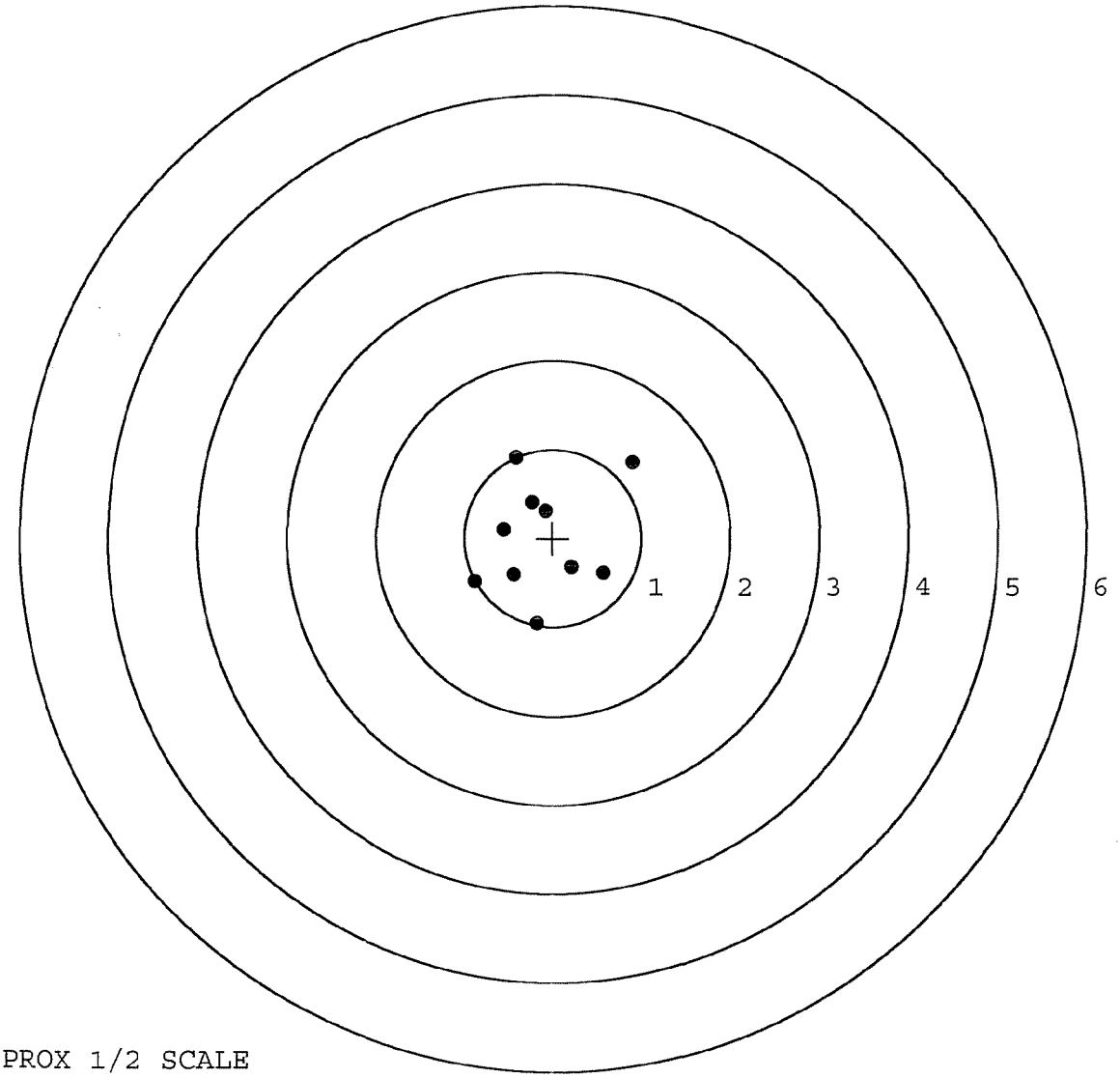


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225517.__0
TARGET NUMBER: 3
FILE DATE: 06/23/2005
FILE TIME: 10:00

X CENTROID:	-0.114
Y CENTROID:	-0.004
POA TO CENTROID:	0.114
HORZ SPREAD:	1.783
VERT SPREAD:	1.877
GROUP SPREAD:	2.238
MIN RADIUS:	0.313
MAX RADIUS:	1.329
MEAN RADIUS:	0.714
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.897	0.858
2:	-0.418	0.907
3:	-0.088	0.308
4:	-0.245	0.402
5:	-0.557	0.094
6:	-0.441	-0.419
7:	0.571	-0.396
8:	0.209	-0.330
9:	-0.181	-0.970
10:	-0.886	-0.494

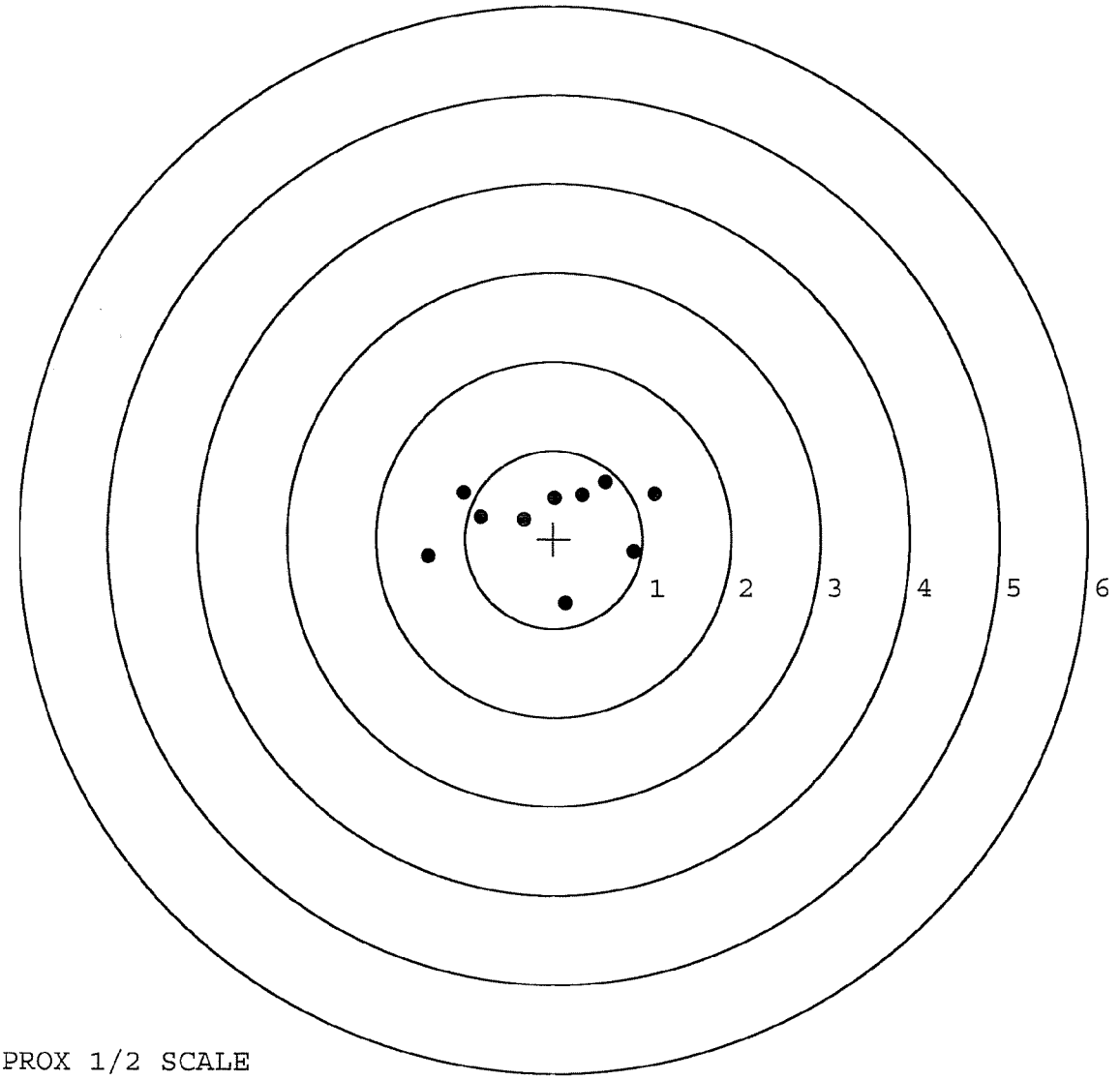


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225517.__0
TARGET NUMBER: 4
FILE DATE: 06/23/2005
FILE TIME: 10:00

X CENTROID:	-0.050
Y CENTROID:	0.202
POA TO CENTROID:	0.208
HORZ SPREAD:	2.556
VERT SPREAD:	1.364
GROUP SPREAD:	2.653
MIN RADIUS:	0.271
MAX RADIUS:	1.427
MEAN RADIUS:	0.821
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.585	0.644
2:	0.325	0.498
3:	0.014	0.466
4:	-0.335	0.217
5:	-0.823	0.243
6:	-1.018	0.517
7:	-1.418	-0.204
8:	0.900	-0.146
9:	0.134	-0.720
10:	1.138	0.507

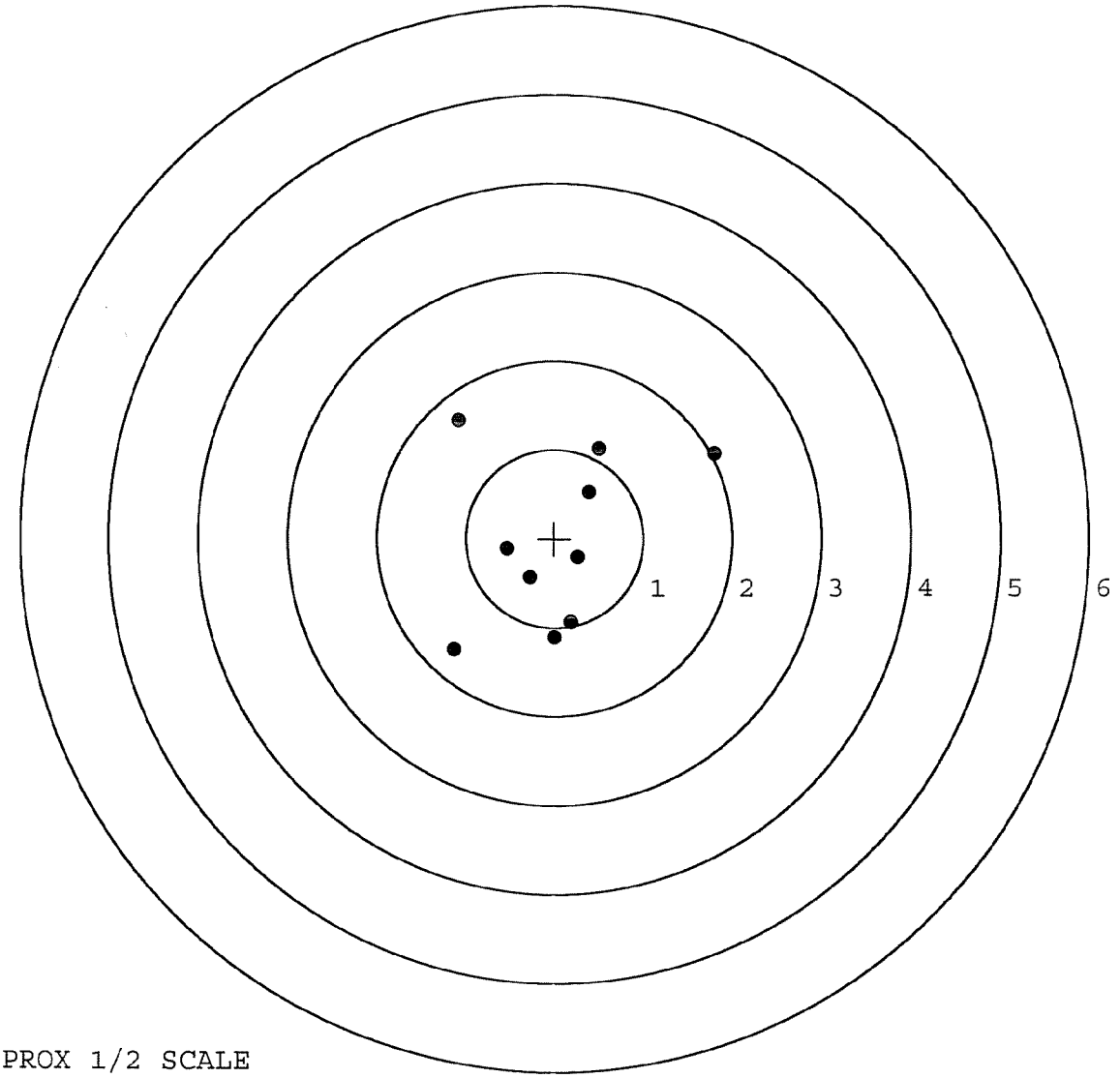


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225517.__0
TARGET NUMBER: 5
FILE DATE: 06/23/2005
FILE TIME: 10:00

X CENTROID:	0.012
Y CENTROID:	-0.027
POA TO CENTROID:	0.029
HORZ SPREAD:	2.926
VERT SPREAD:	2.581
GROUP SPREAD:	3.670
MIN RADIUS:	0.308
MAX RADIUS:	2.038
MEAN RADIUS:	1.066
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	5
# in 3 IN DIAMETER:	7

POINT#	X	Y
1:	0.505	1.008
2:	0.392	0.522
3:	1.797	0.957
4:	0.262	-0.207
5:	-0.277	-0.435
6:	-0.539	-0.115
7:	0.193	-0.941
8:	-0.003	-1.119
9:	-1.129	-1.259
10:	-1.081	1.322



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92757		
SERIAL NUMBER	C6225517		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-25-05	RTC
560 A	RE-BARREL	6-6-05	RTC
B	DRILL AND TAP	6-8-05	TRW
575	ASSEMBLE	6-6-05	RTC
600	PROOF	6-7-05	AC
605	CHECK HEADSPACE	6-7-05	AC
610	DIS-ASSEMBLE GUN	6-7-05	RTC
612	MAGNAFLUX	6/9/05	[illegible]
615	ROLLMARK CALIBER	6-9-05	CW
618	ROTO-BLAST	6-10-05	KB
620	APPLY COATINGS	6-13-05	[illegible]
625 A	FINAL ASSEMBLY	6-22-05	RTC
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	6-28-05	[illegible]
D	SAFETY "OFF" FORCE	6-28-05	[illegible]
E	FIRING PIN INDENT	6-28-05	[illegible]
640	TARGET	6-23-05	TRW
655	FINAL INSPECT	6-28-05	[illegible]
660	PACK	7-12-05	QA
		SHIP DATE	
	QAR INSPECTION DATE		

MAGNA-FLUX INSPECTED

Scope 0386

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225517

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	12 9	88	RW
600	Proof	12 9	88	RW
607	Check Headspace	12	9 88	RW
610	Dis-assemble Gun	12 9	88	RW
612	Magnaflux Barrel Action		12-22-88	PJC.
	Magnaflux Bolt		1-3-89	PJC.
615	Rollmark Caliber		12/22/88	WBC
617	Drill and Tap Sight Holes	1 3	89	FB
618	Polish Barrel	12 2	88	WJT
620	Apply Coatings (Barrel Action)		1-17-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/20/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/20/89	RW
	C) Inspect Ejector Hole for Chamfer		1/20/89	RW
	D) Oil Firing Pin Ass'y		1/20/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		20/Jan/89	RW

op. #	OP. NAME	READINGS	DATE	INITIAL
625 cont.	F) Safety On Force	5 | 5 | 5	25 Jan 89	[illegible]
	G) Safety Off Force	3 | 3 | 3	25 Jan 89	[illegible]
	H) Trigger Pull Test & Retainability		20 Jan 89	[illegible]
	I) Firing Pin Indent	.021 | .0215 | .021	25 Jan 89	[illegible]
	J) Assemble Stock		1/26/89	RW
	K) Assemble Swivel Studs		1 Feb 89	[illegible]
	L) Attach Front and Rear Sight Assemblies		1/26/89	RW
	M) Iron Sight Alignment		1/26/89	RW
	N) Detach Front & Rear Sights & place in numbered container		1/26/89	RW
	O) Attach Scope to Rifle		1/26/89	RW
	P) Detach & Attach Scope 20 Times		27 Jan 89	[illegible]
640	Gallery Target & Test	41 R 112 L	1/30/89	AC
	A) Time		"	AC
	B) Malfunctions	NONE	"	AC
	C) Pierced Primers	NONE	"	AC
	D) Optical Clearity of Scope	OK	1/30/89	AC
645	Inspect for Live Ammo	NONE	1/30/89	AC
655	Final Inspection A) Headspace		1 Feb 89	[illegible]
	B) Trigger Pull	2.39 | 2.60 | 2.55 | 2.66 | 2.58	1 Feb 89	[illegible]
	C) Function		1 Feb 89	[illegible]
660	Pack		23 Jan 89	[illegible]

SWS TRIGGER PULL TEST

5517

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

SERIAL NO. ~~C622560~~

DATE 5 April 89

TESTER JSS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.52	2.36	2.21	MIN. SETTING,
PULL #2	2.37	2.32	2.32	2.41	NO AVG. OF 5
PULL #3	2.47	2.57	2.17	2.28	READINGS ACCEPT-
PULL #4	2.48	2.44	2.11	2.31	ABLE LESS THAN 2#
PULL #5	2.21	2.34	2.14	2.24	
TOTAL	11.92	12.19	11.10	11.45	
AVG.	2.384	2.438	2.220	2.29	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.46	2.91		
PULL #2	2.91	2.87		
PULL #3	2.95	2.83		
PULL #4	3.52	3.06		
PULL #5	2.84	2.87		
TOTAL	15.68	14.34		
AVG.	3.136	2.868		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	4.17		4.30
PULL #2	4.25	3.81		4.02
PULL #3	4.26	3.99		4.21
PULL #4	4.07	4.01		4.23
PULL #5	4.17	4.03		4.20
TOTAL	20.93	20.01		20.96
AVG.	4.186	4.002		4.192

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225517
2 Feb 1989

CENTROIDAL DISTANCES

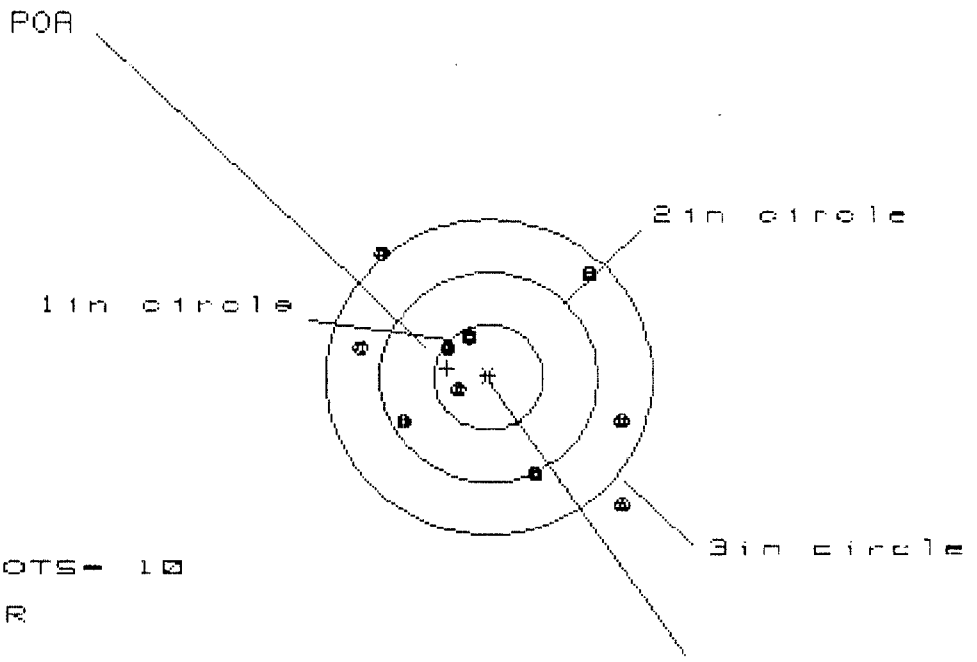
0	TO	1	.389724
1	TO	2	.580986
1	TO	3	.065192
1	TO	4	.0920869
1	TO	5	.0728011

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2612
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0452
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .265082

THE AMR FOR THIS RIFLE IS: .8644

30 Jan 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225517

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

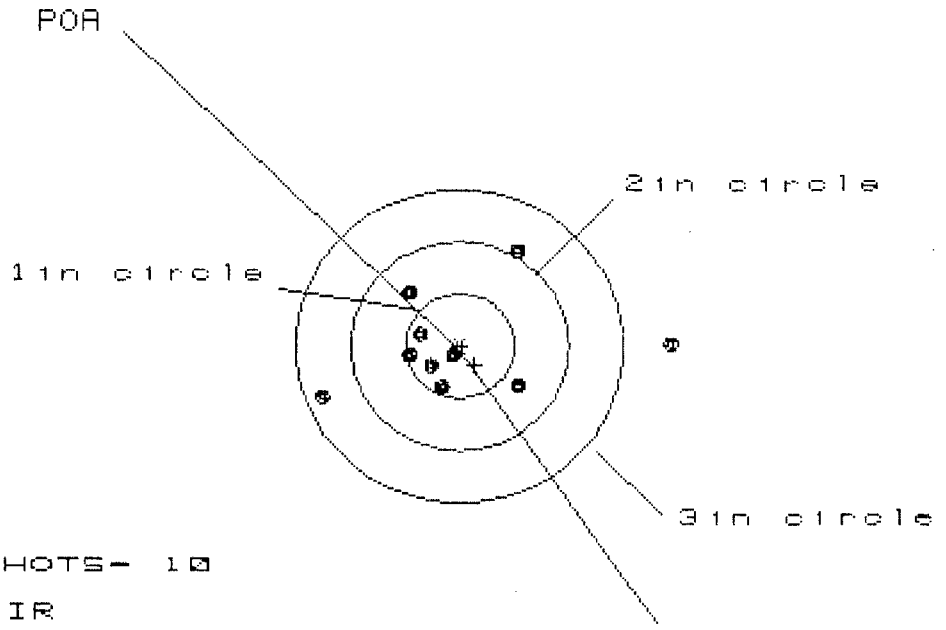
# IN CIR
1in = 3
2in = 4
3in = 8

HS= 2.379
VS= 2.453
GS= 3.259

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.207	1.339	1.235
MINIMUM X	:	-1.172	-1.040	-1.144
MAXIMUM Y	:	1.187	1.046	1.001
MINIMUM Y	:	-1.266	-1.102	-.971
CENTROID X	:	.381	.249	.353
CENTROID Y	:	-.082	.059	-.072
POA TO CENTROID in.	:	.390	.256	.360
MIN RADIUS	:	.267	.245	.243
MEAN RADIUS	:	1.024	.901	.865
MAX RADIUS	:	1.736	1.458	1.408
HORIZONTAL SPREAD	:	2.379	2.379	2.379
VERTICAL SPREAD	:	2.453	2.148	1.972
EXTREME SPREAD	:	3.259	2.706	2.473
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

30 Jan 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225517

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

# IN CIR
1in = 5
2in = 7
3in = 9

HS= 3.196
VS= 1.410
GS= 3.234

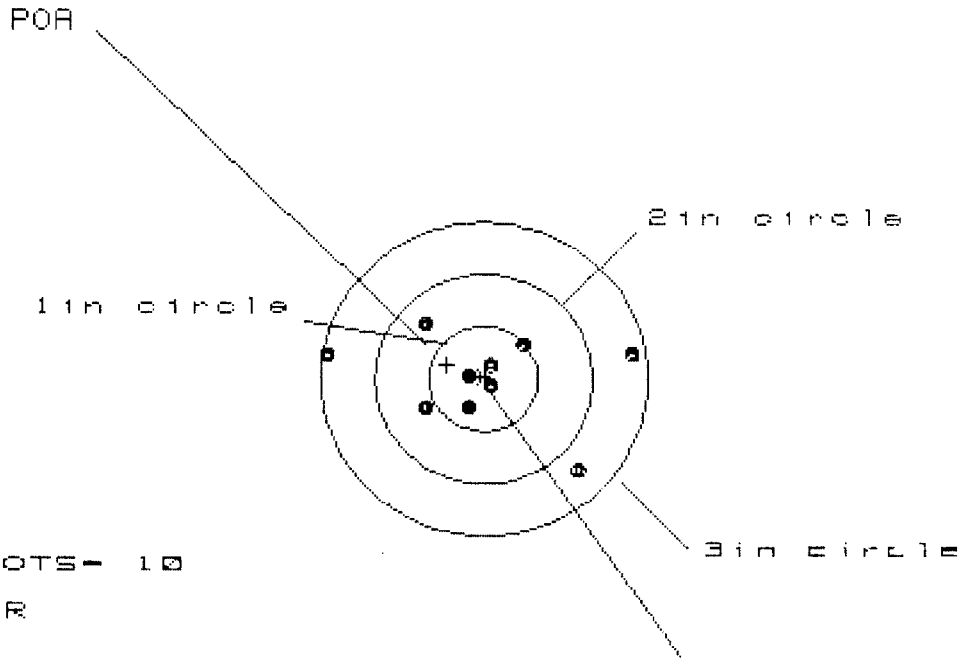
PATTERN # : 2

SHOTS (BEST OF) :	10	9	8
MAXIMUM X :	1.886	.789	.651
MINIMUM X :	-1.310	-1.100	-.440
MAXIMUM Y :	.933	.935	.875
MINIMUM Y :	-.477	-.475	-.469
CENTROID X :	-.135	-.345	-.207
CENTROID Y :	.185	.183	.243
POA TO CENTROID in.:	.229	.390	.319
MIN RADIUS :	.070	.192	.131
MEAN RADIUS :	.739	.569	.508
MAX RADIUS :	1.886	1.198	1.058
HORIZONTAL SPREAD :	3.196	1.889	1.091
VERTICAL SPREAD :	1.410	1.410	1.344
EXTREME SPREAD :	3.234	2.312	1.490

NUMBER IN ONE INCH CIRCLE = 5
NUMBER IN TWO INCH CIRCLE = 7
NUMBER IN THREE INCH CIRCLE = 9

30 Jan 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225517

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

# IN CIR	
1in	= 4
2in	= 7
3in	= 10

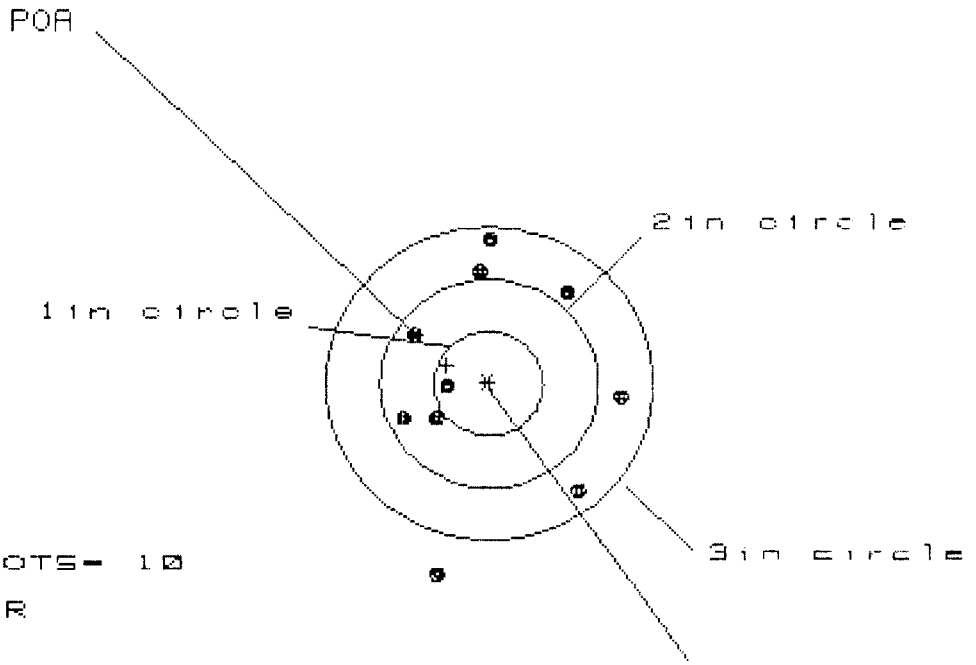
HS= 2.856
VS= 1.361
GS= 2.856

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.394	1.231	.852
MINIMUM X	:	-1.462	-.721	-.567
MAXIMUM Y	:	.493	.520	.551
MINIMUM Y	:	-.868	-.841	-.810
CENTROID X	:	.338	.501	.347
CENTROID Y	:	-.131	-.158	-.189
POA TO CENTROID in.	:	.363	.525	.395
MIN RADIUS	:	.094	.093	.066
MEAN RADIUS	:	.661	.591	.467
MAX RADIUS	:	1.482	1.255	1.176
HORIZONTAL SPREAD	:	2.856	1.952	1.419
VERTICAL SPREAD	:	1.361	1.361	1.361
EXTREME SPREAD	:	2.856	1.971	1.966

NUMBER IN ONE INCH CIRCLE = 4
NUMBER IN TWO INCH CIRCLE = 7
NUMBER IN THREE INCH CIRCLE = 10

30 Jan 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225517

CENTERFIRE PATTERNS # 4

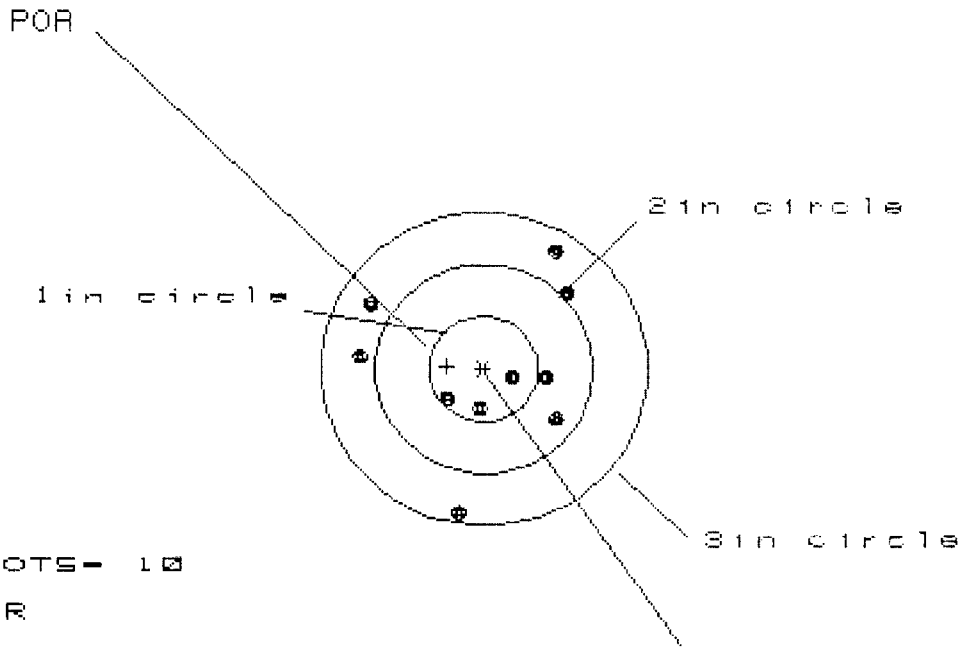


# OF SHOTS= 10
# IN CIR
1in = 1
2in = 4
3in = 9
HS= 1.978
VS= 3.167
GS= 3.204

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.226	1.177	1.177
MINIMUM X	:	-.752	-.801	-.801
MAXIMUM Y	:	1.345	1.142	1.032
MINIMUM Y	:	-1.822	-1.259	-1.116
CENTROID X	:	.385	.434	.434
CENTROID Y	:	-.174	.029	-.114
POA TO CENTROID in.	:	.422	.435	.449
MIN RADIUS	:	.387	.483	.441
MEAN RADIUS	:	1.053	.953	.922
MAX RADIUS	:	1.875	1.479	1.359
HORIZONTAL SPREAD	:	1.978	1.978	1.978
VERTICAL SPREAD	:	3.167	2.401	2.148
EXTREME SPREAD	:	3.204	2.525	2.326
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

30 Jan 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225517

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

# IN CIR
1in = 3
2in = 5
3in = 10

HS= 1.869
VS= 2.492
GS= 2.639

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.744	.718	.793
MINIMUM X	:	-1.125	-1.151	-1.076
MAXIMUM Y	:	1.133	.982	.673
MINIMUM Y	:	-1.359	-.628	-.506
CENTROID X	:	.337	.363	.288
CENTROID Y	:	-.024	.127	.005
POA TO CENTROID in.	:	.338	.385	.288
MIN RADIUS	:	.246	.293	.300
MEAN RADIUS	:	.845	.799	.730
MAX RADIUS	:	1.380	1.152	1.132
HORIZONTAL SPREAD	:	1.869	1.869	1.869
VERTICAL SPREAD	:	2.492	1.610	1.179
EXTREME SPREAD	:	2.639	2.016	2.007
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10