G 684 805
Replaces
C 652 3464

08/17/09 12:47:10

Arms Services Repair It Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: RE00172757
Verify Repair

Serial: C6523464 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:
Status: Closed 8/10/2009 8:08:11 AM

Address Information

Customer: (Received From)	Return To: (Received From)
Name: TRANSPORTATION OFFICER	TRANSPORTATION OFFICER
Address 1: USPFO FOR ARKANSAS BLDG 0318	USPFO FOR ARKANSAS BLDG 0318
Address 2: CAMP ROBINSON PO Box:	CAMP ROBINSON PO Box:
City: NORTH LITTLE ROCK	NORTH LITTLE ROCK
State: AR Zip Code: 72199 Country: US	State: AR Zip Code: 72199 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

Repair Search | Refresh | Close

naglelj | 8/17/2009 | 12:47 PM | CAPS | NUM | INS | SCRL

Start | 4 Micros... | Amazon.c... | 3 Micros... | Arms Serv... | Part Searc... | NEW GUN ... | Adobe Acr... | 12:47 PM

G6848405

Serial Number: ~~C6523464~~

Model: M24 SWS

RE00172757

INSPECTION CHECKLIST - REPAIRS
CONTRACT #: W52H09-07-C-0207
ISSUED 10/1/2007

R & E NUMBER 172757
SERIAL NUMBER ~~C1052344~~ C1084405
LOG-IN DATE 8-10-09

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		9-1-09	RTC
505	RE-BARREL		9-4-09	RTC
420	ASSEMBLE		9-4-09	RTC
440	PROOF	MAGNA - FLUX	9-4-09	L.P.D.
460	CHECK HEADSPACE		9-4-09	L.P.D.
470	DIS-ASSEMBLE GUN		9-4-09	L.P.D.
480	MAGNAFLUX	OPERATOR	9/10/09	
510	DRILL AND TAP		9-8-09	
500	ROLLMARK CALIBER		9/10/09	SP
520	GOFF BLAST BBL / REC		9/10/09	
530 & 540	APPLY COATINGS		9/16	
560	FINAL ASSEMBLY		9-18-09	RTC
640	FUNCTION TEST AND	(PASS) FAIL	9-18-09	RP
650	TARGET	(PASS) FAIL	9-18-09	RP
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	9-18-09	L.P.D.
670	FINAL INSPECTION A) HEADSPACE	(PASS) FAIL	9-23-09	RTC
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.23 2.23 2.75 2.38 2.44	9-21-09	TC
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	5.0 5.0 5.0		
	G) SAFETY OFF FORCE (2 LBS MIN)	2.0 2.0 2.0	9-23-09	RTC
	I) FIRING PIN INDENT .020	.022 .022 .022		
690	PACK		9/24/09	FM

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6848405.__0
FILE DATE AND TIME: 09/21/2009 08:06

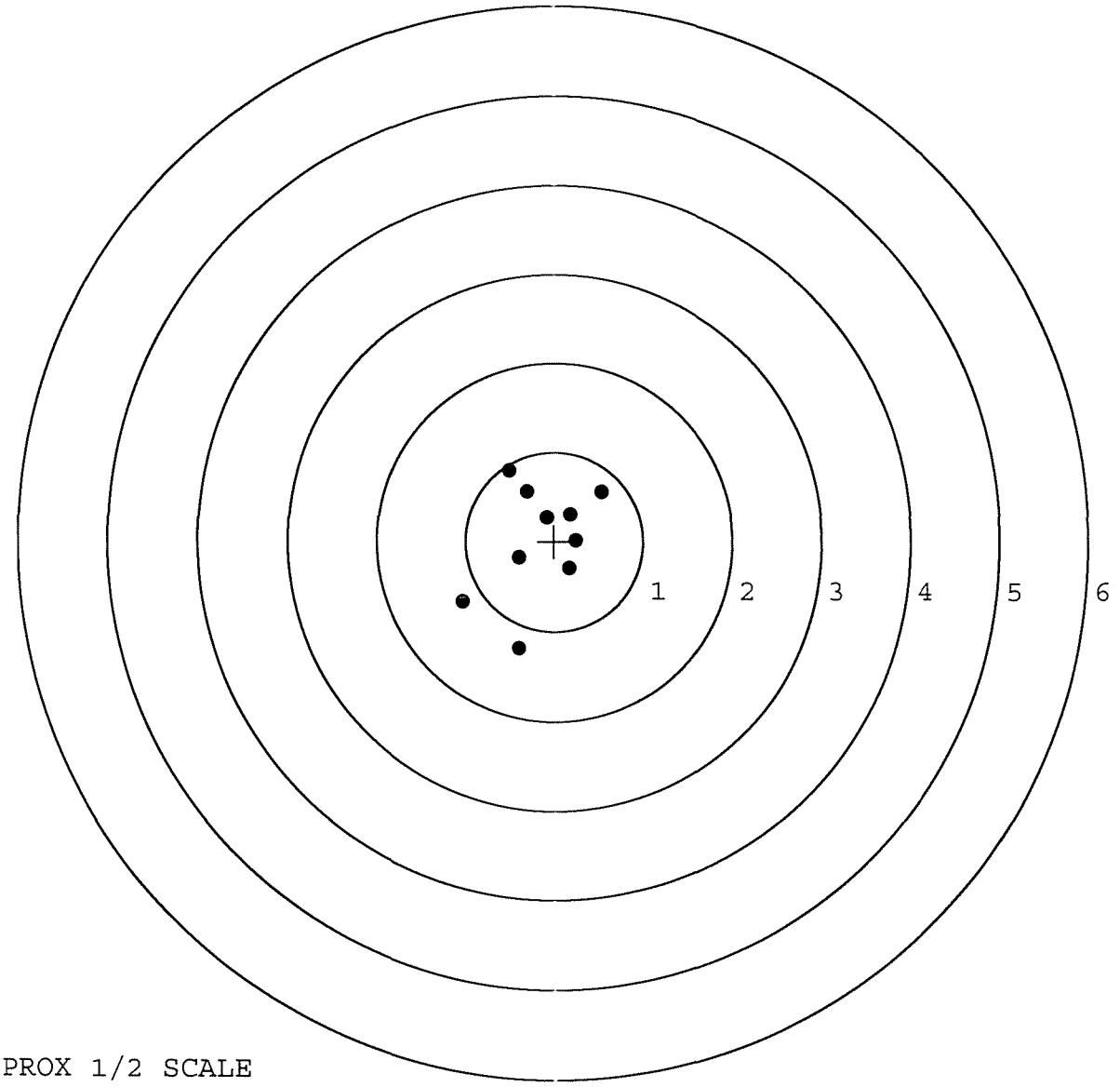
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.030
The Average Y Centroid of the Five Target Set:	-0.002
The Average Point of Impact of the Five Target Set:	0.030
The Average Mean Radius of the Five Target Set:	0.669
The Distance from POA to Centroid Target #1:	0.161
The Distance from Centroid Target #2 to Centroid Target #1:	0.055
The Distance from Centroid Target #3 to Centroid Target #1:	0.226
The Distance from Centroid Target #4 to Centroid Target #1:	0.213
The Distance from Centroid Target #5 to Centroid Target #1:	0.243

SERIAL NUMBER: G6848405.__0
TARGET NUMBER: 1
FILE DATE: 09/21/2009
FILE TIME: 08:06

X CENTROID:	-0.160
Y CENTROID:	0.015
POA TO CENTROID:	0.161
HORZ SPREAD:	1.571
VERT SPREAD:	1.987
GROUP SPREAD:	1.990
MIN RADIUS:	0.270
MAX RADIUS:	1.228
MEAN RADIUS:	0.653
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.401	-1.189
2:	-1.038	-0.669
3:	-0.395	-0.182
4:	-0.501	0.798
5:	-0.312	0.561
6:	-0.080	0.273
7:	0.178	0.302
8:	0.533	0.558
9:	0.246	0.009
10:	0.170	-0.306

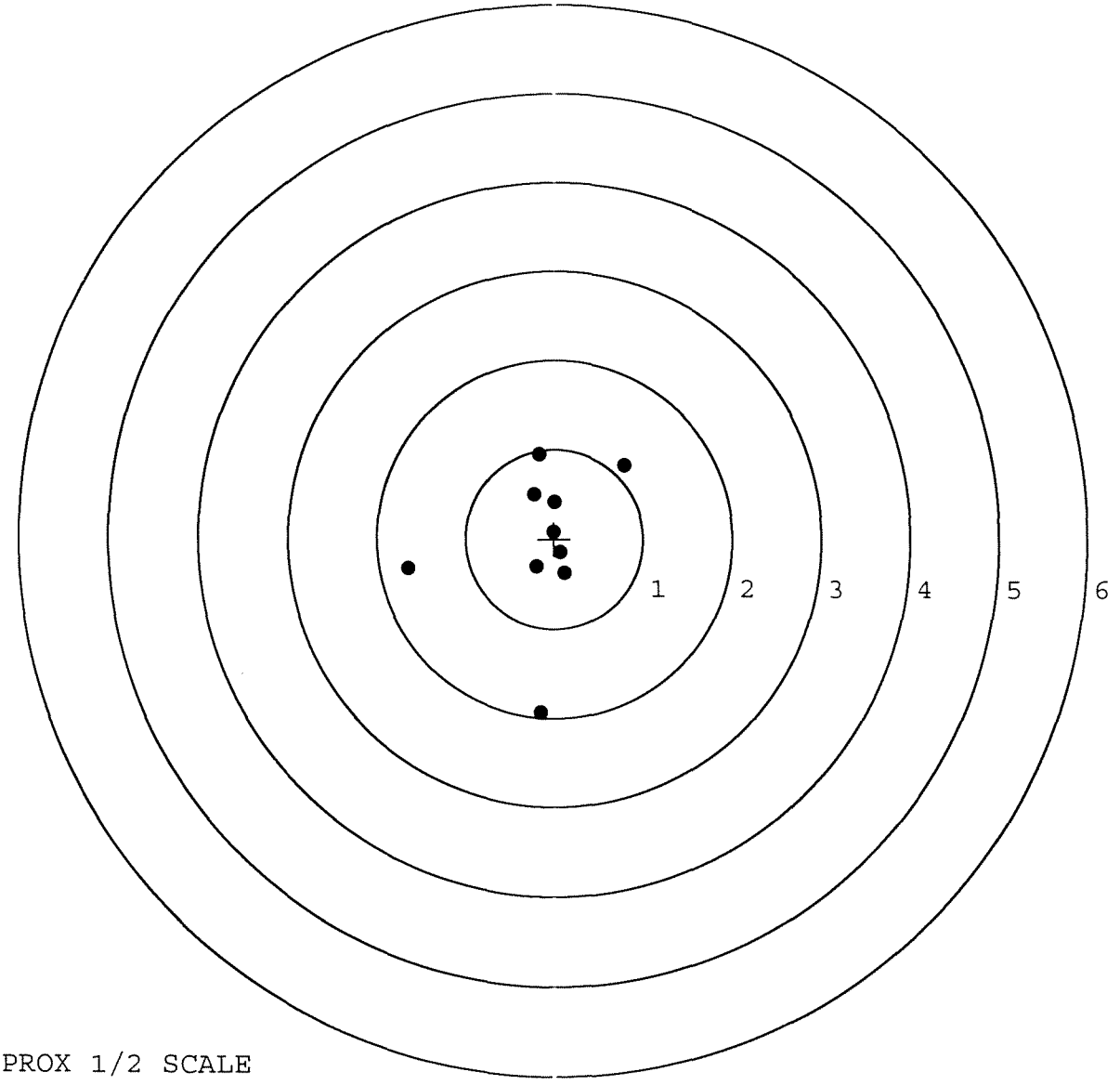


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6848405.__0
TARGET NUMBER: 2
FILE DATE: 09/21/2009
FILE TIME: 08:06

X CENTROID:	-0.145
Y CENTROID:	-0.037
POA TO CENTROID:	0.149
HORZ SPREAD:	2.436
VERT SPREAD:	2.887
GROUP SPREAD:	2.926
MIN RADIUS:	0.176
MAX RADIUS:	1.908
MEAN RADIUS:	0.782
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	-1.648	-0.331
2:	0.788	0.825
3:	-0.156	-1.945
4:	0.115	-0.385
5:	-0.206	-0.307
6:	0.069	-0.148
7:	-0.008	0.074
8:	-0.003	0.409
9:	-0.231	0.495
10:	-0.167	0.942

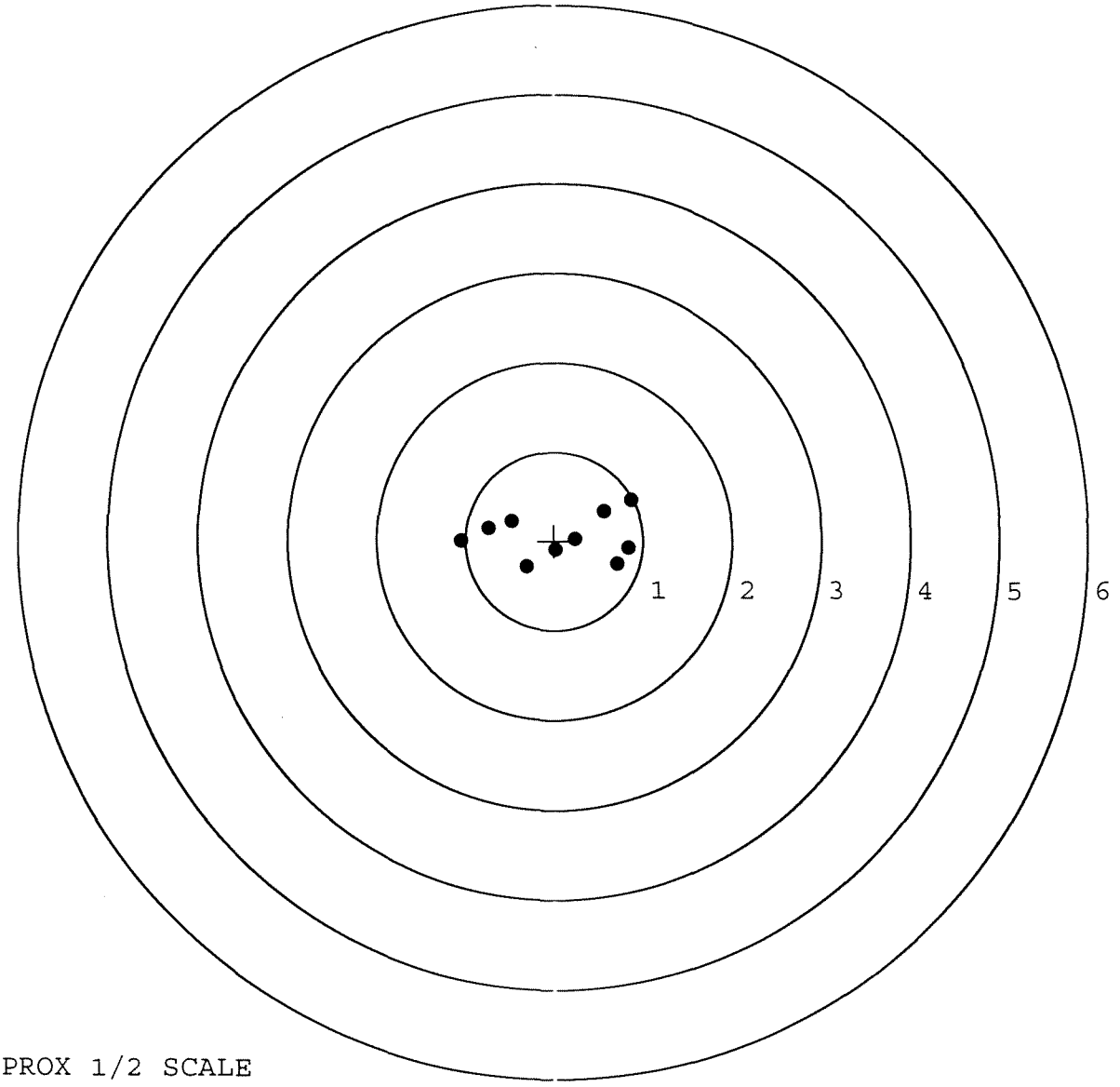


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6848405.__0
TARGET NUMBER: 3
FILE DATE: 09/21/2009
FILE TIME: 08:06

X CENTROID:	0.064
Y CENTROID:	0.045
POA TO CENTROID:	0.079
HORZ SPREAD:	1.913
VERT SPREAD:	0.758
GROUP SPREAD:	1.967
MIN RADIUS:	0.154
MAX RADIUS:	1.117
MEAN RADIUS:	0.630
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-1.052	0.003
2:	-0.739	0.145
3:	-0.474	0.221
4:	-0.310	-0.297
5:	0.018	-0.102
6:	0.234	0.025
7:	0.713	-0.260
8:	0.838	-0.083
9:	0.554	0.340
10:	0.861	0.461

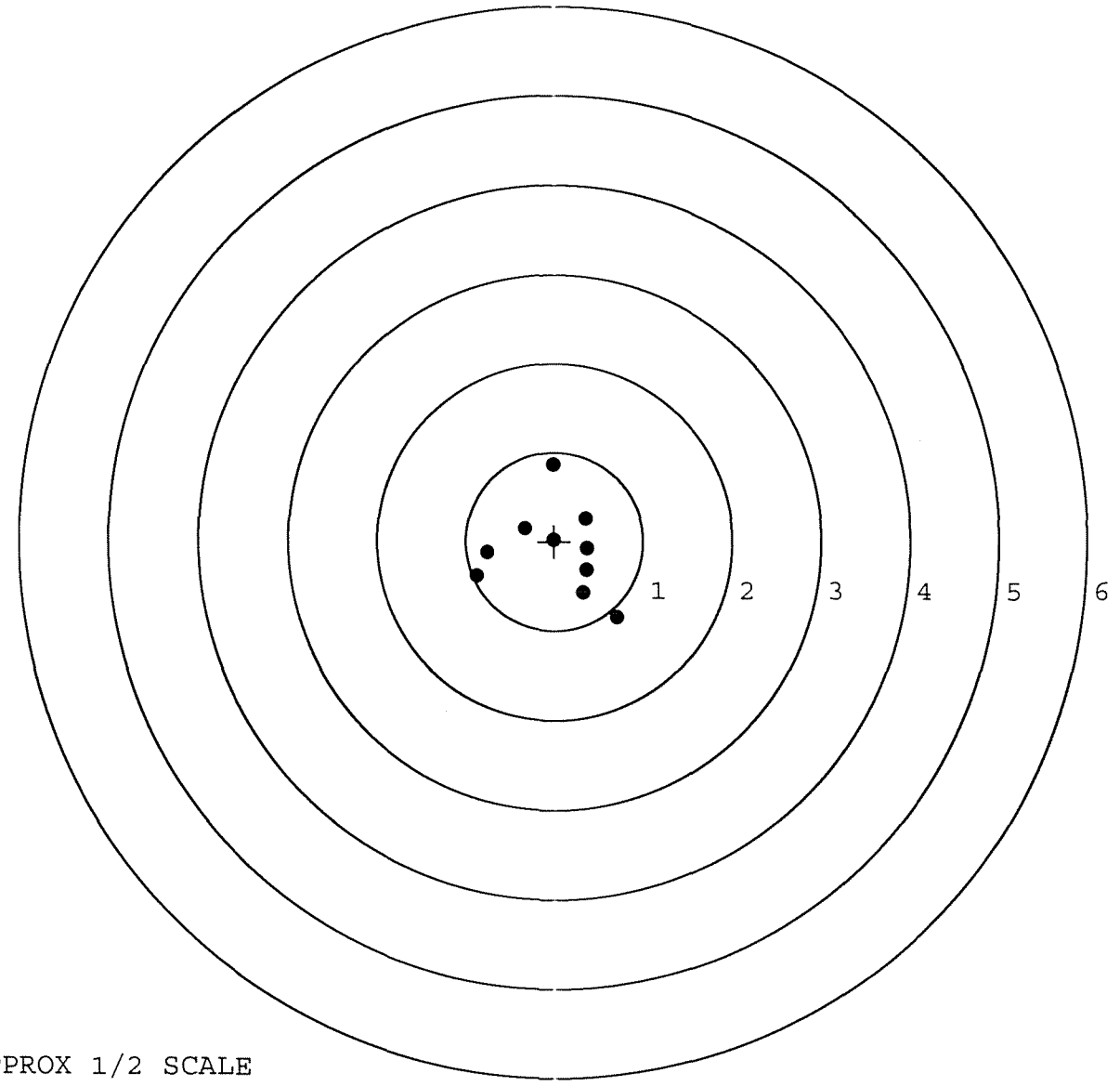


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6848405.__0
TARGET NUMBER: 4
FILE DATE: 09/21/2009
FILE TIME: 08:06

X CENTROID:	0.014
Y CENTROID:	-0.109
POA TO CENTROID:	0.110
HORZ SPREAD:	1.585
VERT SPREAD:	1.721
GROUP SPREAD:	1.867
MIN RADIUS:	0.129
MAX RADIUS:	1.019
MEAN RADIUS:	0.609
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.019	0.864
2:	0.706	-0.857
3:	-0.879	-0.393
4:	-0.754	-0.133
5:	-0.331	0.146
6:	-0.007	0.019
7:	0.359	0.257
8:	0.373	-0.086
9:	0.362	-0.324
10:	0.326	-0.580

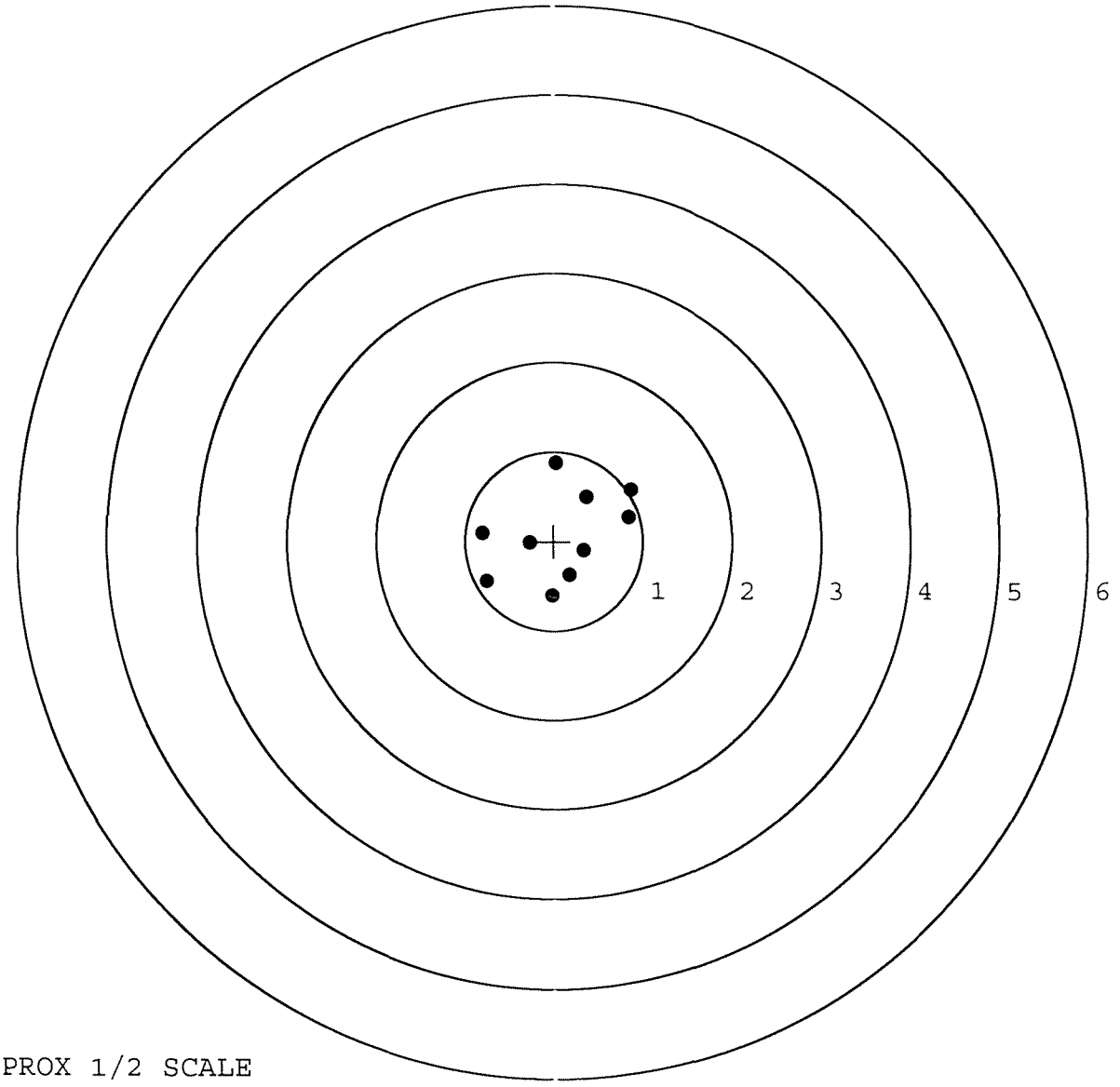


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6848405.__0
TARGET NUMBER: 5
FILE DATE: 09/21/2009
FILE TIME: 08:06

X CENTROID:	0.075
Y CENTROID:	0.077
POA TO CENTROID:	0.108
HORZ SPREAD:	1.670
VERT SPREAD:	1.484
GROUP SPREAD:	1.917
MIN RADIUS:	0.316
MAX RADIUS:	0.980
MEAN RADIUS:	0.673
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.756	-0.442
2:	-0.803	0.095
3:	-0.273	-0.016
4:	-0.025	-0.609
5:	0.180	-0.374
6:	0.335	-0.103
7:	0.843	0.273
8:	0.867	0.579
9:	0.361	0.497
10:	0.022	0.875



TARGET APPROX 1/2 SCALE

RECEIVING AND ESTIMATING REPORT

R 95-17765

INITIAL	CUSTOMER ORDER NO.
JJM	

COMMENTS: WOG 2 OF 6 W/10X SCOPE DEPOLYMENT KIT M-24 SNIPER Scope S/N 89 0998

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
07/07/95	07/07/95	EK 10-90	C6523464		700 7.62 NATO

ACCESSORIES: SOFT CASE HARD CASE SCOPE BASE SLING STRAP W/STUDS W/SWIVELS

FROM:

DEPT OF THE ARMY
USPFO FOR ALASKA - P O BOX B
CAMP DENALI
FT RICHARDSON AK 99505

SHIP TO:

DEPT OF THE ARMY
USPFO FOR ALASKA - P O BOX B
CAMP DENALI
FT RICHARDSON AK 99505

CUST NO: 122221 C.O.D.

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA
				7-19-96	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

PARTS

✓ NEW TRIGGER ASSY
Front + Rear Sight ASSY

COMMENTS

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
REP			✓		
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
KW			7/27/96		

OFFICE COPY

RD6925 REV. 1/94

:AGE PULL FORCE BETWEEN
:IAL & CYCLE TESTS
)#+ .50#
0#+ .75#
0#+1.00#

SERIAL NO. C6523464

DATE 7-19-96

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
L #1	2.53	2.76	2.76		MIN. SETTING,
L #2	2.62	2.83	2.71		NO AVG. OF 5
L #3	2.59	2.84	2.79		READINGS ACCEPT-
L #4	2.56	2.83	2.79		ABLE LESS THAN 2#
L #5	2.65	2.89	2.89		
AL	1295	14.15	13.94		
.	2.59	2.83	2.78		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
L #1	3.15	3.04		
JLL #2	3.29	3.12		
JLL #3	3.26	3.00		
ULL #4	3.30	2.87		
ULL #5	3.07	3.01		
OTAL	1607	1504		
VG.	3.21	3.00		

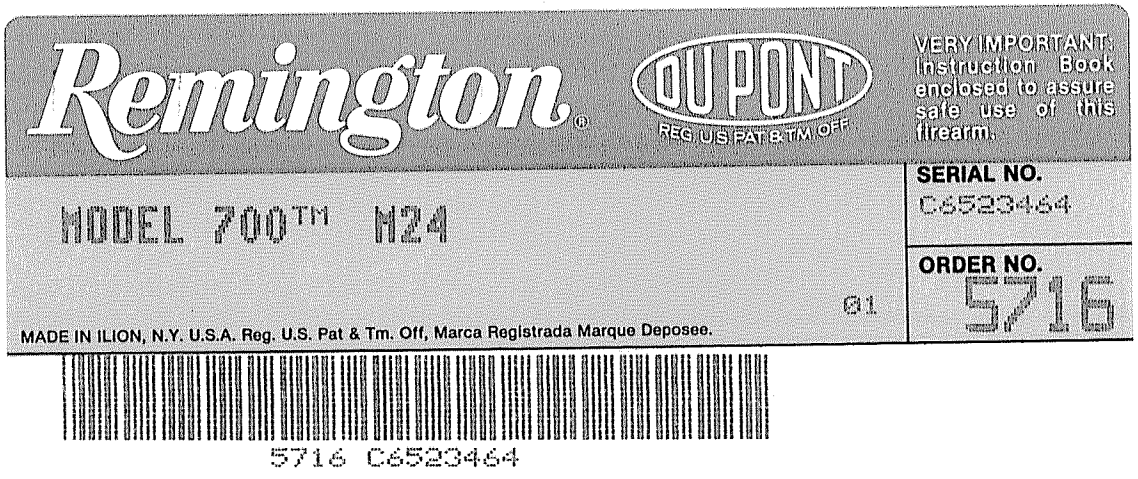
	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
ULL #1	4.04	4.15		4.32
ULL #2	4.07	3.92		4.32
ULL #3	4.00	4.18		4.34
PULL #4	4.05	4.12		4.14
PULL #5	4.09	4.12		4.35
TOTAL	20.25	20.49		21.47
VG.	4.05	4.09		4.29

. #	OP. NAME	READINGS					DATE	INIT
5 nt.	F) Safety On Force	5	5	4.25			8/2	SF
	G) Safety Off Force	5	4.5	4.25			8/2	SF
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.021	.021	.0215			8/2	SF
	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							
0	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clearity of Scope							
5	Inspect for Live Ammo							
5	Final Inspection A) Headspace							
	B) Trigger Pull	2.83	2.70	2.67	2.72	2.72	8/2	SF
	C) Function							
	Pack							

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

OP. #	OP. NAME	READINGS	DATE	INITIA
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 and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523464

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/1/90	
600	Proof		10/1/90	
607	Check Headspace		10/1/90	
610	Dis-assemble Gun		10/1/90	
612	Magnaflux Barrel Action		10-3-90	KR
	Magnaflux Bolt		10-3-90	KR.
615	Rollmark Caliber		10-3-90	
617	Drill and Tap Sight Holes		10/4/90	
618	Polish Barrel KB		10/5/90	
620	Apply Coatings (Barrel Action)		10-20-90	
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/21/90	
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	
	C) Inspect Ejector Hole for Chamfer		10/21/90	
	D) Oil Firing Pin Ass'y		10/21/90	
	E) Adjust Trigger Pull to Min Setting and Stake		10-27-90	

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force	3 3/4 | 3 3/4 | 3 3/4	10/27/90	WB
	G) Safety Off Force	2 | 2 | 2	10/27/90	WB
	H) Trigger Pull Test & Retainability		10-27-90	DH
	I) Firing Pin Indent	.022 | .022 | .022	10/27/90	WB
	J) Assemble Stock		10/27/90	KA
	K) Assemble Swivel Studs		31 OCT 90	GSB
	L) Attach Front and Rear Sight Assemblies		10/27/90	KA
	M) Iron Sight Alignment		10/27/90	KA
	N) Detach Front & Rear Sights & place in numbered container		10/27/90	KA
	O) Attach Scope to Rifle		10/27/90	KA
	P) Detach & Attach Scope 20 Times		10/27/90	KA
640	Gallery Target & Test		10/29/90	JF
	A) Time		"	JF
	B) Malfunctions		"	JF
	C) Pierced Primers		"	JF
	D) Optical Clearity of Scope		"	JF
645	Inspect for Live Ammo		10/29/90	JF
655	Final Inspection A) Headspace		31 OCT 90	GSB
	B) Trigger Pull	250 | 218 | 212 | 210 | 210	31 OCT 90	GSB
	C) Function		31 OCT 90	GSB
660	Pack		12/14/90	JF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523464

DATE 10-27-90

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.33	2.49	2.50	MIN. SETTING,
PULL #2	2.38	2.27	2.46	2.18	NO AVG. OF 5
PULL #3	2.37	2.40	2.47	2.12	READINGS ACCEPT-
PULL #4	2.39	2.43	2.37	2.10	ABLE LESS THAN 2#
PULL #5	2.38	2.27	2.40	2.10	
TOTAL	11.91	11.70	12.19		
AVG.	2.38	2.34	2.43		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.38	3.23		
PULL #2	3.37	3.33		
PULL #3	3.31	3.32		
PULL #4	3.32	3.38		
PULL #5	3.35	3.35		
TOTAL	16.73	16.61		
AVG.	3.34	3.32		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.00		4.16
PULL #2	4.10	4.10		4.18
PULL #3	4.07	4.06		4.19
PULL #4	4.12	4.08		4.16
PULL #5	4.09	4.06		4.19
TOTAL	20.53	20.30		20.88
AVG.	4.10	4.06		4.17

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523464
30 Oct 1990

CENTROIDAL DISTANCES

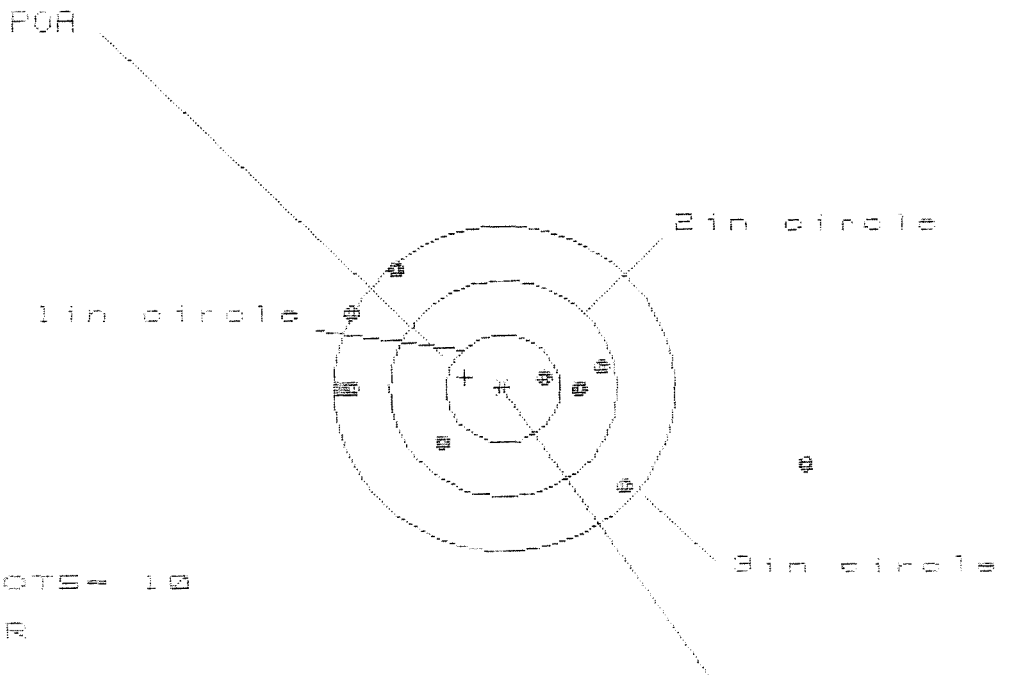
0	TO	1	.353345
1	TO	2	.26618
1	TO	3	.383627
1	TO	4	.25038
1	TO	5	.247524

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1448
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0234
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .146679

THE AMR FOR THIS RIFLE IS: .8816

30 Oct 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C8523464

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

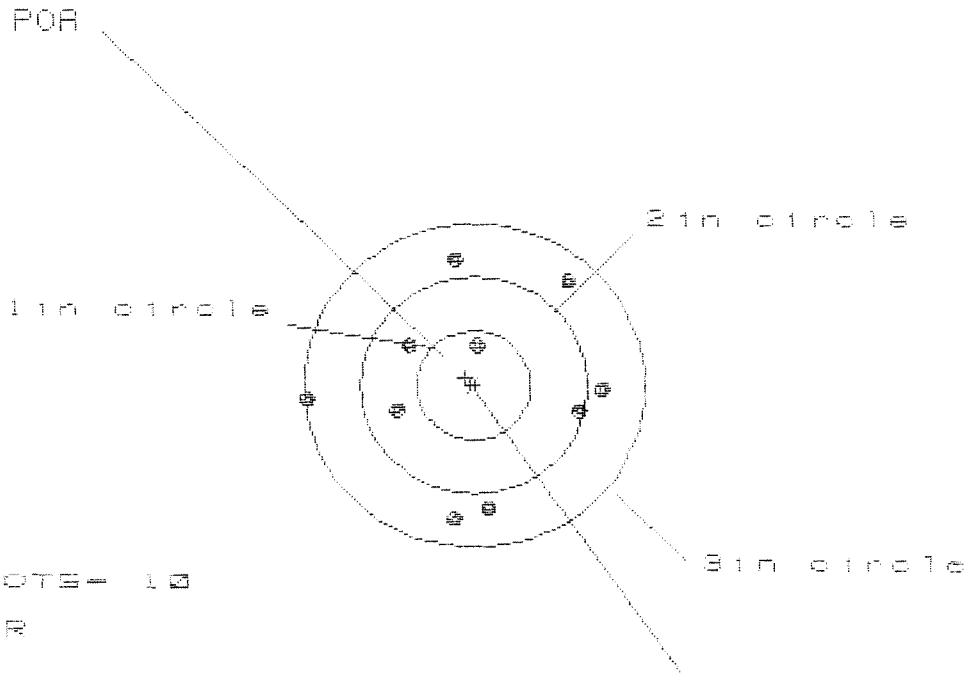
# IN CIR
1in = 1
2in = 4
3in = 8

HS= 4.141
VS= 1.954
GS= 4.243

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.656	1.342	1.210
MINIMUM X	:	-1.485	-1.190	-1.322
MAXIMUM Y	:	1.080	1.000	1.072
MINIMUM Y	:	-.874	-.954	-.882
CENTROID X	:	.338	.043	.175
CENTROID Y	:	-.103	-.023	-.095
POA TO CENTROID in.	:	.353	.048	.200
MIN RADIUS	:	.371	.615	.530
MEAN RADIUS	:	1.250	1.071	1.038
MAX RADIUS	:	2.751	1.647	1.497
HORIZONTAL SPREAD	:	4.141	2.532	2.532
VERTICAL SPREAD	:	1.954	1.954	1.954
EXTREME SPREAD	:	4.243	2.851	2.765
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

30 Oct 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C6523484

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

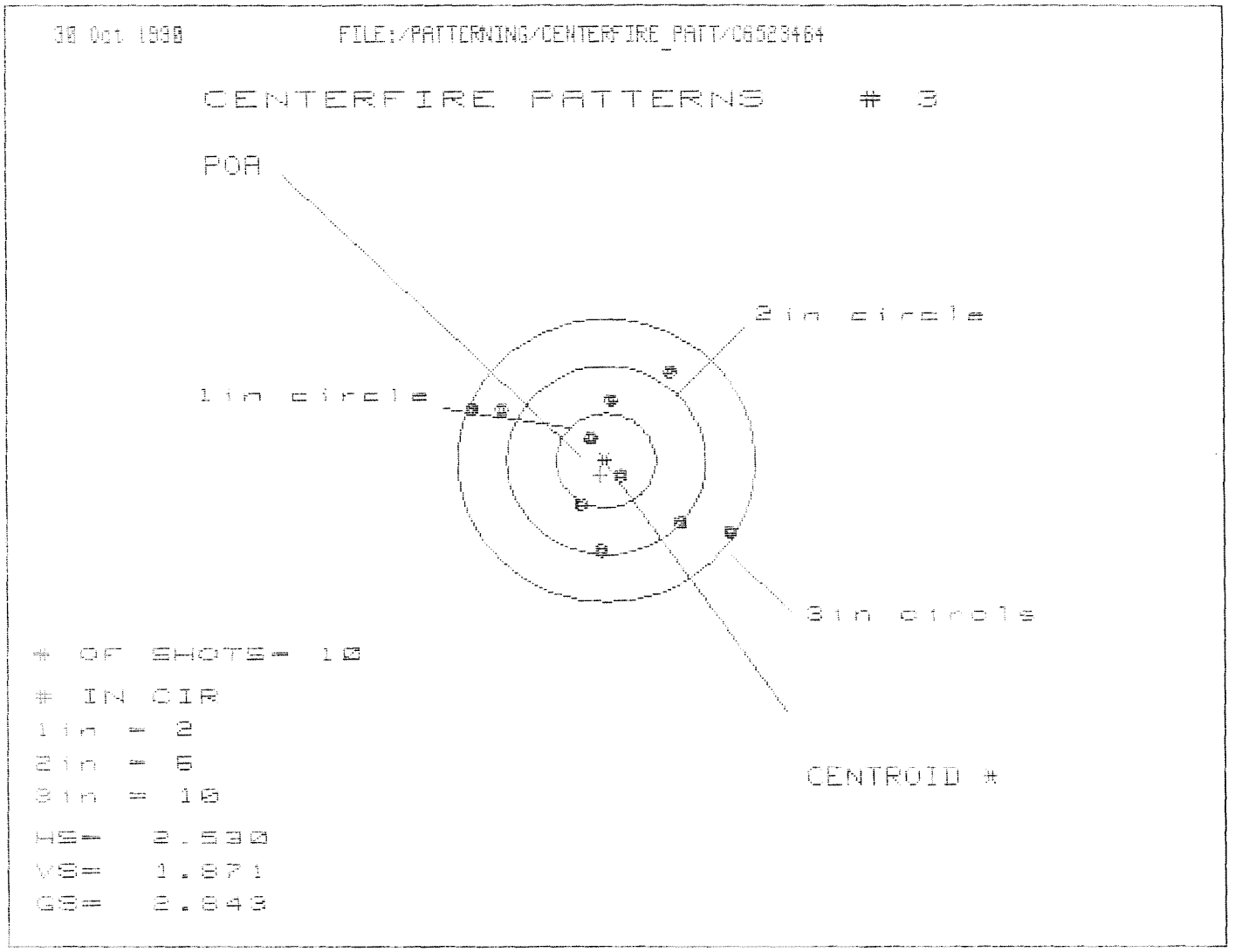
# IN CIR
1in = 1
2in = 4
3in = 10

HS= 2.541
VS= 2.407
GS= 2.542

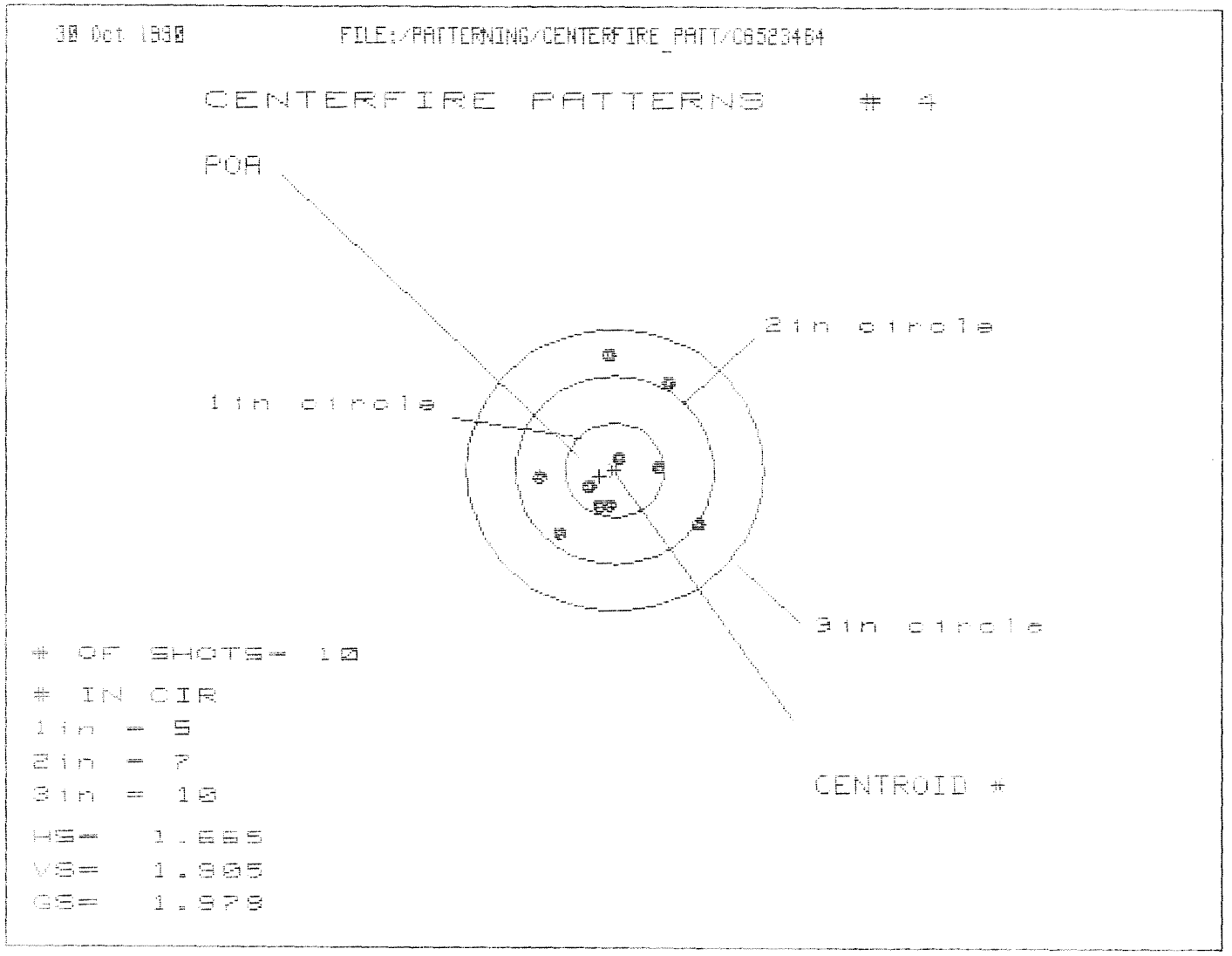
PATTERN # : 2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.083	.921	.998
MINIMUM X	-1.458	-.791	-.714
MAXIMUM Y	1.215	1.201	1.326
MINIMUM Y	-1.192	-1.206	-1.081
CENTROID X	.074	.236	.159
CENTROID Y	-.069	-.055	-.180
POA TO CENTROID in.	.101	.243	.240
MIN RADIUS	.336	.371	.459
MEAN RADIUS	1.001	.947	.913
MAX RADIUS	1.464	1.245	1.347
HORIZONTAL SPREAD	2.541	1.712	1.712
VERTICAL SPREAD	2.407	2.407	2.407
EXTREME SPREAD	2.542	2.407	2.407

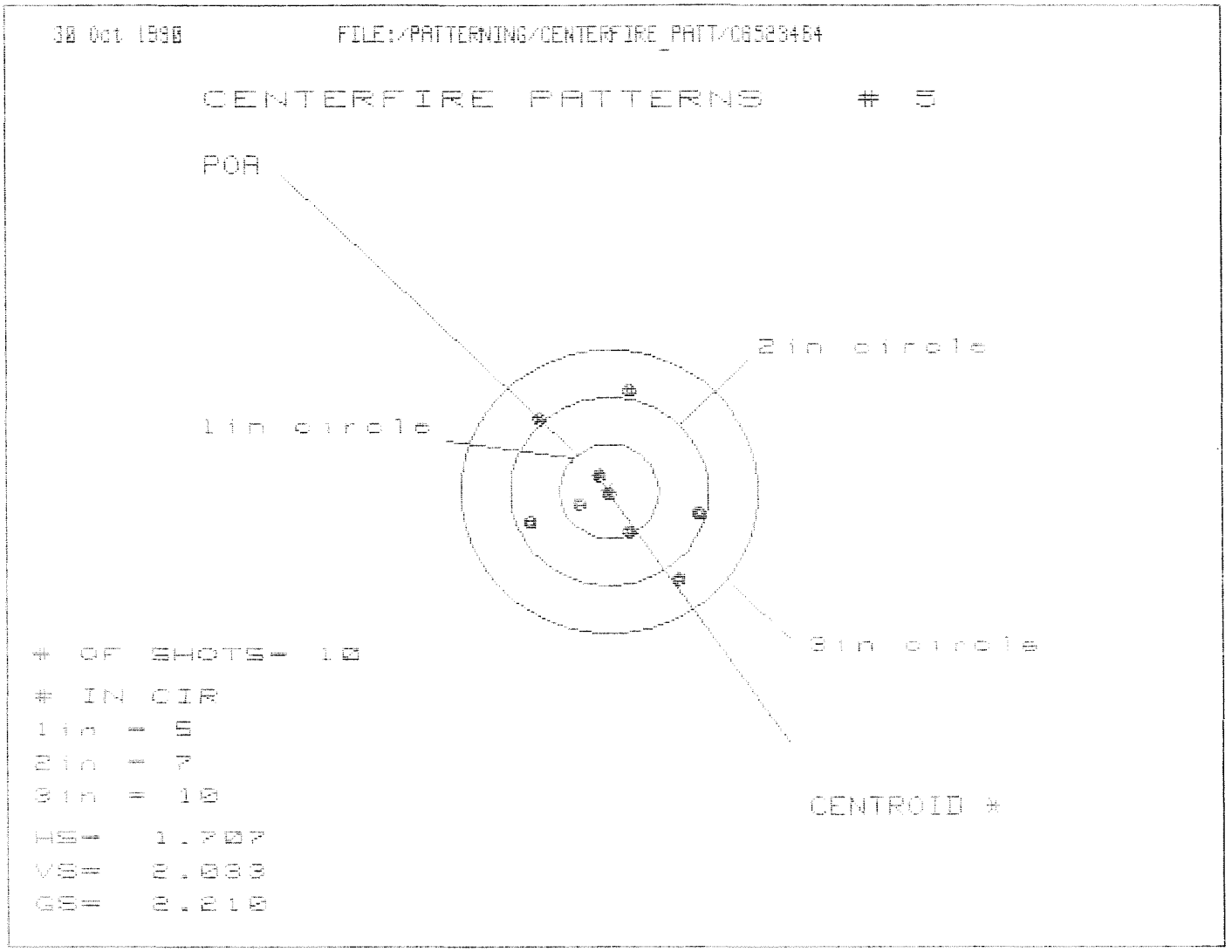
NUMBER IN ONE INCH CIRCLE = 1
NUMBER IN TWO INCH CIRCLE = 4
NUMBER IN THREE INCH CIRCLE = 10



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.204	1.057	.691
MINIMUM X	:	-1.326	-1.161	-1.029
MAXIMUM Y	:	.951	1.011	.923
MINIMUM Y	:	-.920	-.860	-.948
CENTROID X	:	.055	.202	.070
CENTROID Y	:	.156	.096	.184
POA TO CENTROID in.	:	.165	.224	.197
MIN RADIUS	:	.234	.101	.244
MEAN RADIUS	:	.869	.797	.730
MAX RADIUS	:	1.431	1.288	1.135
HORIZONTAL SPREAD	:	2.530	2.218	1.720
VERTICAL SPREAD	:	1.871	1.871	1.871
EXTREME SPREAD	:	2.843	2.549	2.049
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.869	.864	.927
MINIMUM X	:	-.796	-.801	-.738
MAXIMUM Y	:	1.208	1.068	.378
MINIMUM Y	:	-.697	-.562	-.429
CENTROID X	:	.157	.162	.099
CENTROID Y	:	.070	-.064	-.197
POA TO CENTROID in.	:	.172	.174	.221
MIN RADIUS	:	.119	.234	.130
MEAN RADIUS	:	.667	.585	.480
MAX RADIUS	:	1.209	1.182	.964
HORIZONTAL SPREAD	:	1.665	1.665	1.665
VERTICAL SPREAD	:	1.905	1.630	.807
EXTREME SPREAD	:	1.978	1.961	1.719
NUMBER IN ONE INCH CIRCLE	=	5		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.884	.958	.968
MINIMUM X	:	-.823	-.749	-.719
MAXIMUM Y	:	1.109	1.006	.834
MINIMUM Y	:	-.924	-.506	-.380
CENTROID X	:	.100	.026	-.004
CENTROID Y	:	-.171	-.068	-.194
POA TO CENTROID in.	:	.198	.073	.194
MIN RADIUS	:	.023	.106	.130
MEAN RADIUS	:	.621	.576	.501
MAX RADIUS	:	1.136	1.035	1.030
HORIZONTAL SPREAD	:	1.707	1.707	1.707
VERTICAL SPREAD	:	2.033	1.512	1.214
EXTREME SPREAD	:	2.210	1.919	1.919
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	