C6498839

'79

MODEL 700™ M24

Model SWS ™

Action

Barrel Length

Capacity

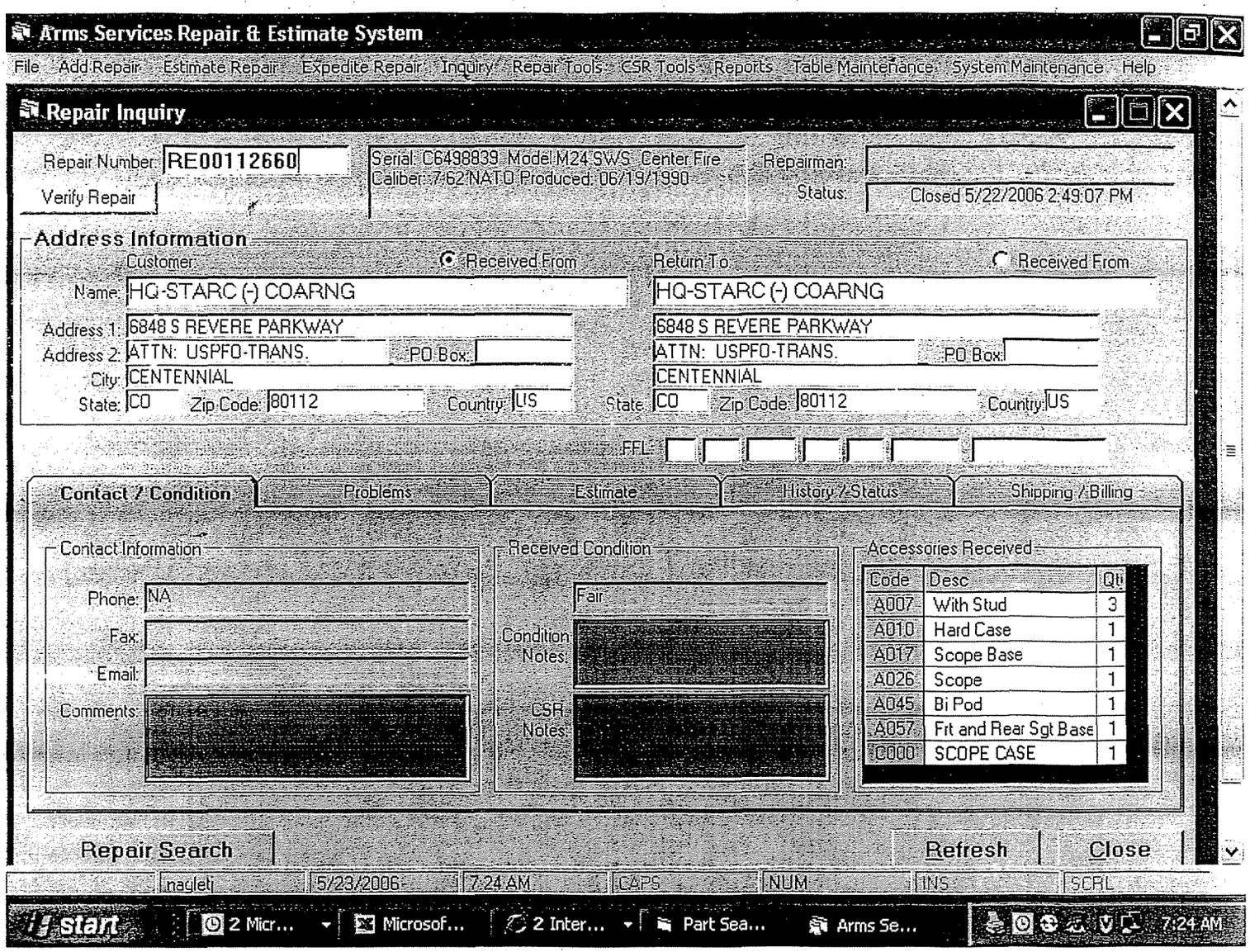
Order No. 5716

*Includes 1 in chamber.

Remington

M2400008731

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. 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: RE00112660
Verify Repair
Serial: C6498839 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1990
Repairman:
Status: Closed 5/22/2006 2:49:07 PM
Address Information
Customer: Received From
Name: HQ-STARC (-) COARNG
Address 1: 6848 S REVERE PARKWAY
Address 2: ATTN: USPFO-TRANS. PO Box:
City: CENTENNIAL
State: CO Zip Code: 80112 Country: US
Return To: Received From
HQ-STARC (-) COARNG
6848 S REVERE PARKWAY
ATTN: USPFO-TRANS. PO Box:
CENTENNIAL
State: CO Zip Code: 80112 Country: US
FFL:
Contact / Condition
Problems
Estimate
History / Status
Shipping / Billing
Contact Information
Phone: NA
Fax:
Email:
Comments:
Received Condition
Fair
Condition Notes:
CSR Notes:
Accessories Received
Code Desc Qti
A007 With Stud 3
A010 Hard Case 1
A017 Scope Base 1
A026 Scope 1
A045 Bi Pod 1
A057 Frt and Rear Sgt Base 1
C000 SCOPE CASE 1
Repair Search
Refresh
Close
naglelj 5/23/2006 7:24 AM CAPS NUM INS SCRL
start
2 Micr...
Microsof...
2 Inter...
Part Sea...
Arms Se...
7:24 AM


Serial Number:
C6498839
Model: M24 SWS
RE00112660

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498839.__0
FILE DATE AND TIME: 06/15/2006 07:57

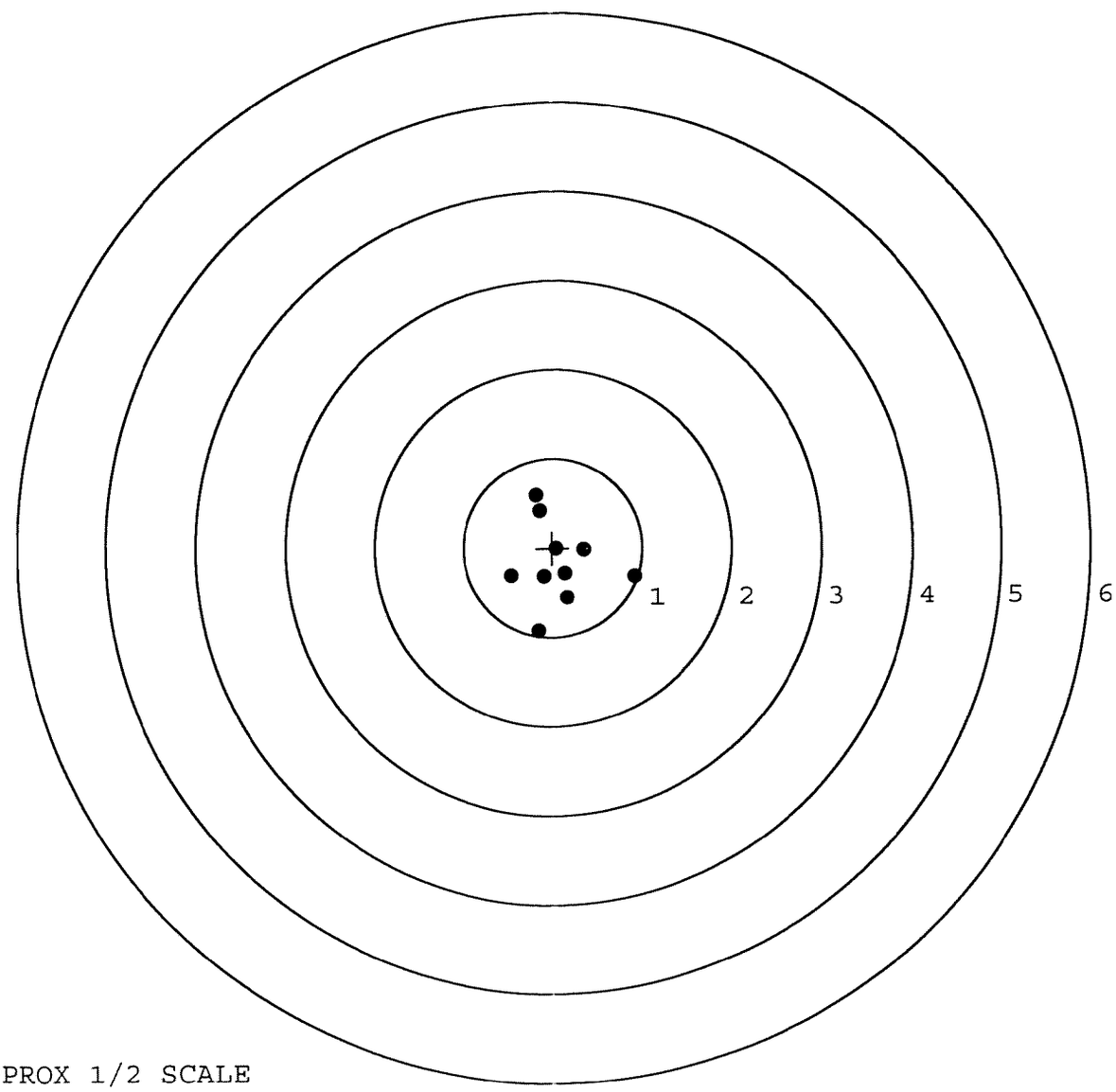
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.071
The Average Y Centroid of the Five Target Set:	-0.144
The Average Point of Impact of the Five Target Set:	0.160
The Average Mean Radius of the Five Target Set:	0.596
The Distance from POA to Centroid Target #1:	0.186
The Distance from Centroid Target #2 to Centroid Target #1:	0.155
The Distance from Centroid Target #3 to Centroid Target #1:	0.062
The Distance from Centroid Target #4 to Centroid Target #1:	0.177
The Distance from Centroid Target #5 to Centroid Target #1:	0.233

SERIAL NUMBER: C6498839.__0
TARGET NUMBER: 1
FILE DATE: 06/15/2006
FILE TIME: 07:57

X CENTROID:	0.058
Y CENTROID:	-0.177
POA TO CENTROID:	0.186
HORZ SPREAD:	1.383
VERT SPREAD:	1.529
GROUP SPREAD:	1.432
MIN RADIUS:	0.143
MAX RADIUS:	0.871
MEAN RADIUS:	0.490
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.917	-0.323
2:	-0.159	-0.937
3:	-0.466	-0.313
4:	-0.184	0.592
5:	-0.141	0.415
6:	0.359	-0.024
7:	0.040	-0.007
8:	-0.096	-0.321
9:	0.168	-0.562
10:	0.145	-0.291

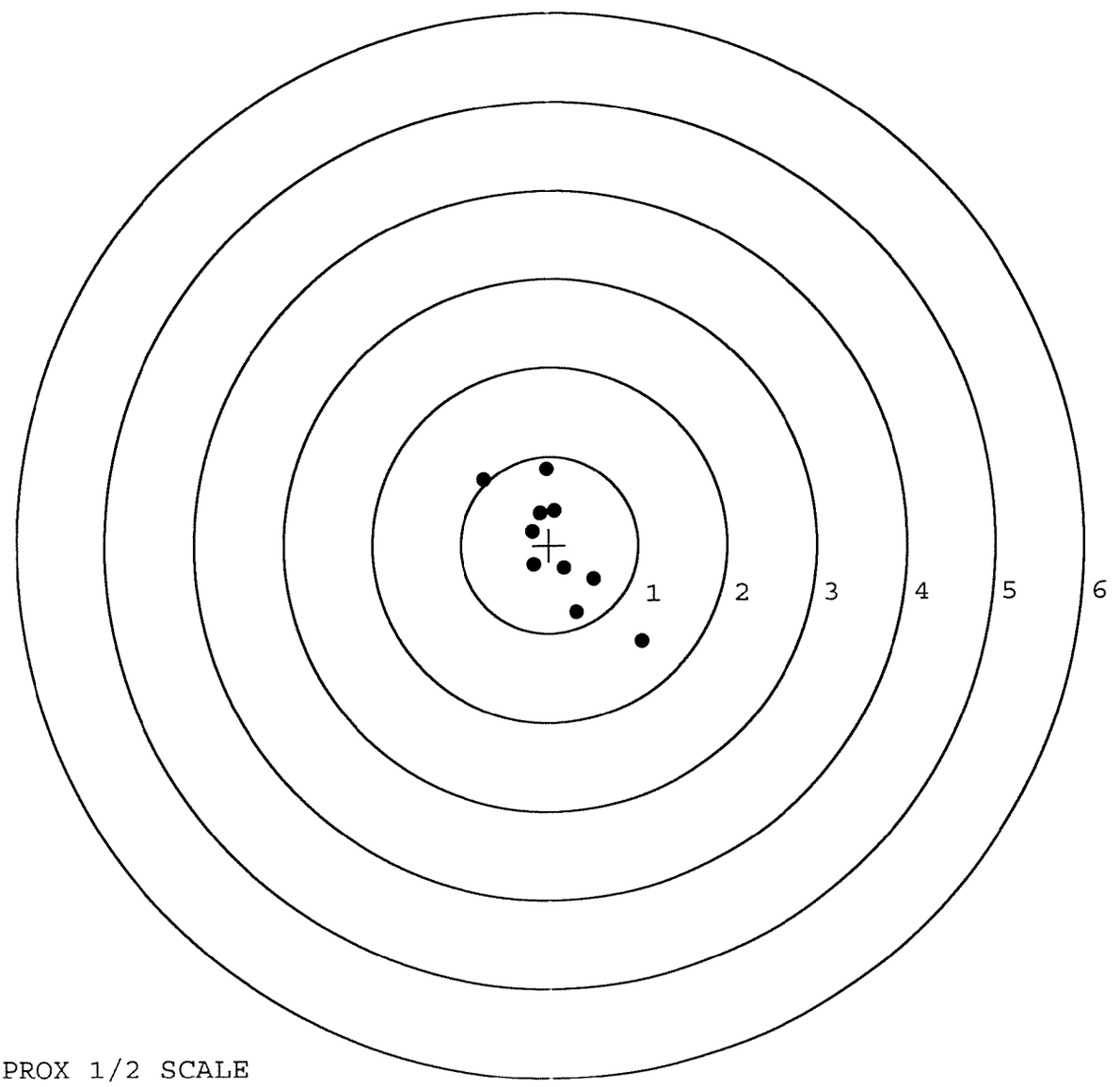


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498839.__0
TARGET NUMBER: 2
FILE DATE: 06/15/2006
FILE TIME: 07:57

X CENTROID:	0.085
Y CENTROID:	-0.024
POA TO CENTROID:	0.089
HORZ SPREAD:	1.769
VERT SPREAD:	1.952
GROUP SPREAD:	2.553
MIN RADIUS:	0.253
MAX RADIUS:	1.433
MEAN RADIUS:	0.653
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.035	-1.097
2:	0.309	-0.773
3:	0.503	-0.392
4:	0.170	-0.262
5:	-0.177	-0.223
6:	-0.187	0.154
7:	-0.101	0.363
8:	0.062	0.390
9:	-0.027	0.855
10:	-0.734	0.744

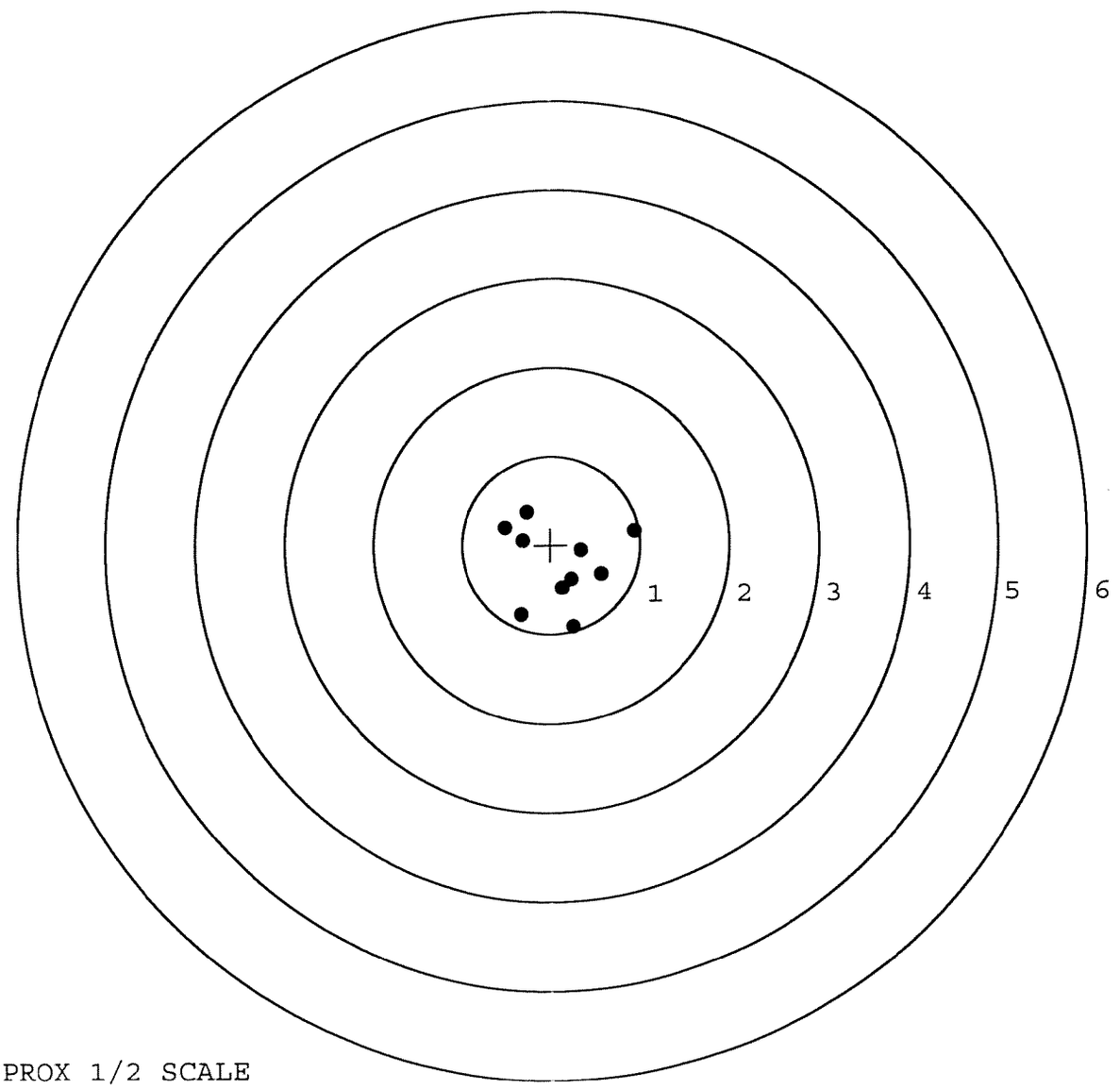


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498839.__0
TARGET NUMBER: 3
FILE DATE: 06/15/2006
FILE TIME: 07:57

X CENTROID:	0.103
Y CENTROID:	-0.220
POA TO CENTROID:	0.243
HORZ SPREAD:	1.457
VERT SPREAD:	1.291
GROUP SPREAD:	1.588
MIN RADIUS:	0.219
MAX RADIUS:	0.918
MEAN RADIUS:	0.555
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.257	-0.922
2:	-0.339	-0.782
3:	0.939	0.160
4:	0.568	-0.329
5:	0.346	-0.060
6:	0.127	-0.488
7:	0.238	-0.392
8:	-0.318	0.047
9:	-0.518	0.200
10:	-0.268	0.369

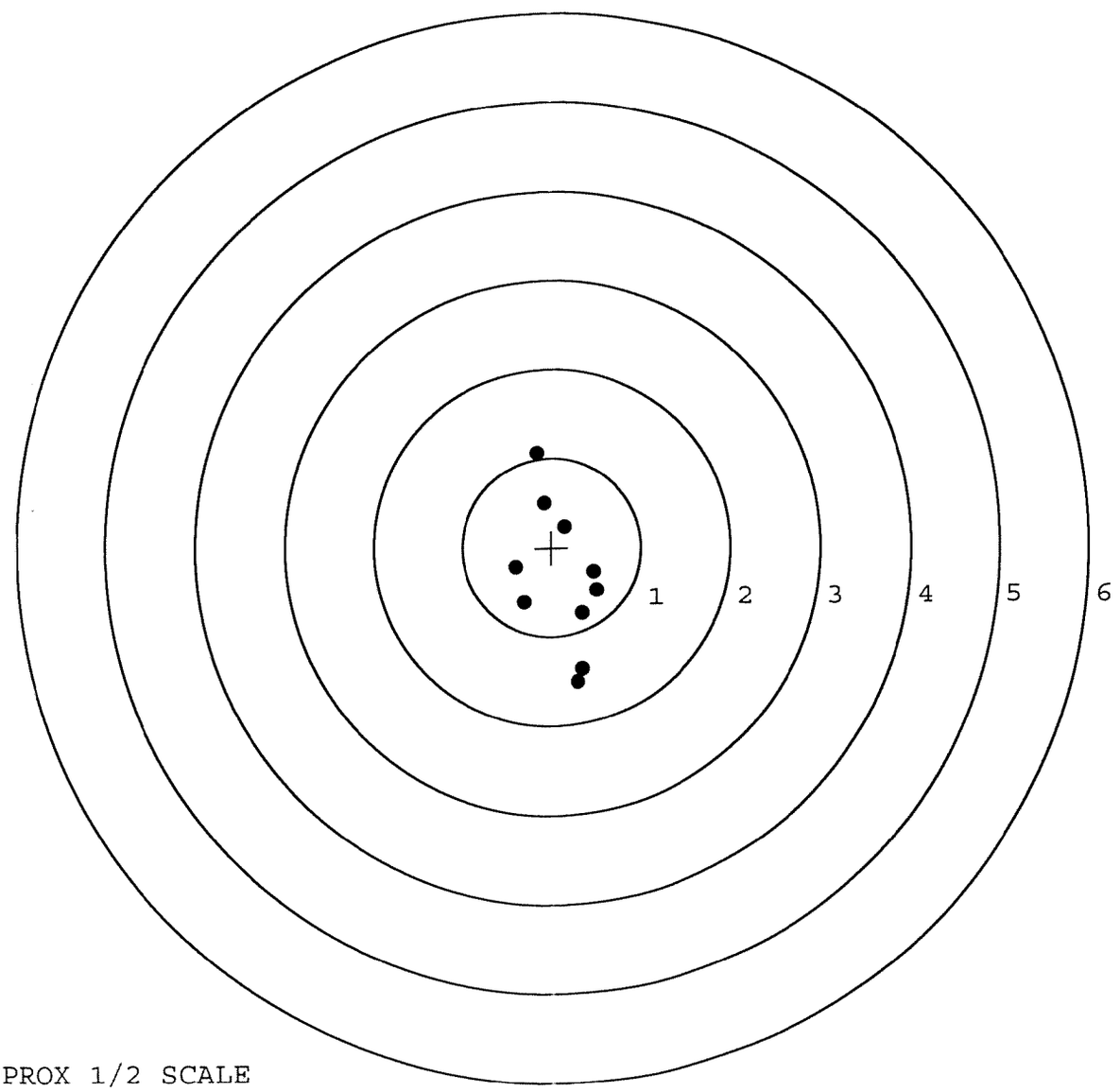


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498839.__0
TARGET NUMBER: 4
FILE DATE: 06/15/2006
FILE TIME: 07:57

X CENTROID:	0.118
Y CENTROID:	-0.344
POA TO CENTROID:	0.363
HORZ SPREAD:	0.913
VERT SPREAD:	2.572
GROUP SPREAD:	2.613
MIN RADIUS:	0.366
MAX RADIUS:	1.427
MEAN RADIUS:	0.739
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.298	-1.516
2:	0.353	-1.370
3:	0.353	-0.742
4:	0.508	-0.483
5:	0.478	-0.276
6:	-0.311	-0.616
7:	-0.405	-0.215
8:	0.153	0.231
9:	-0.081	0.495
10:	-0.161	1.056

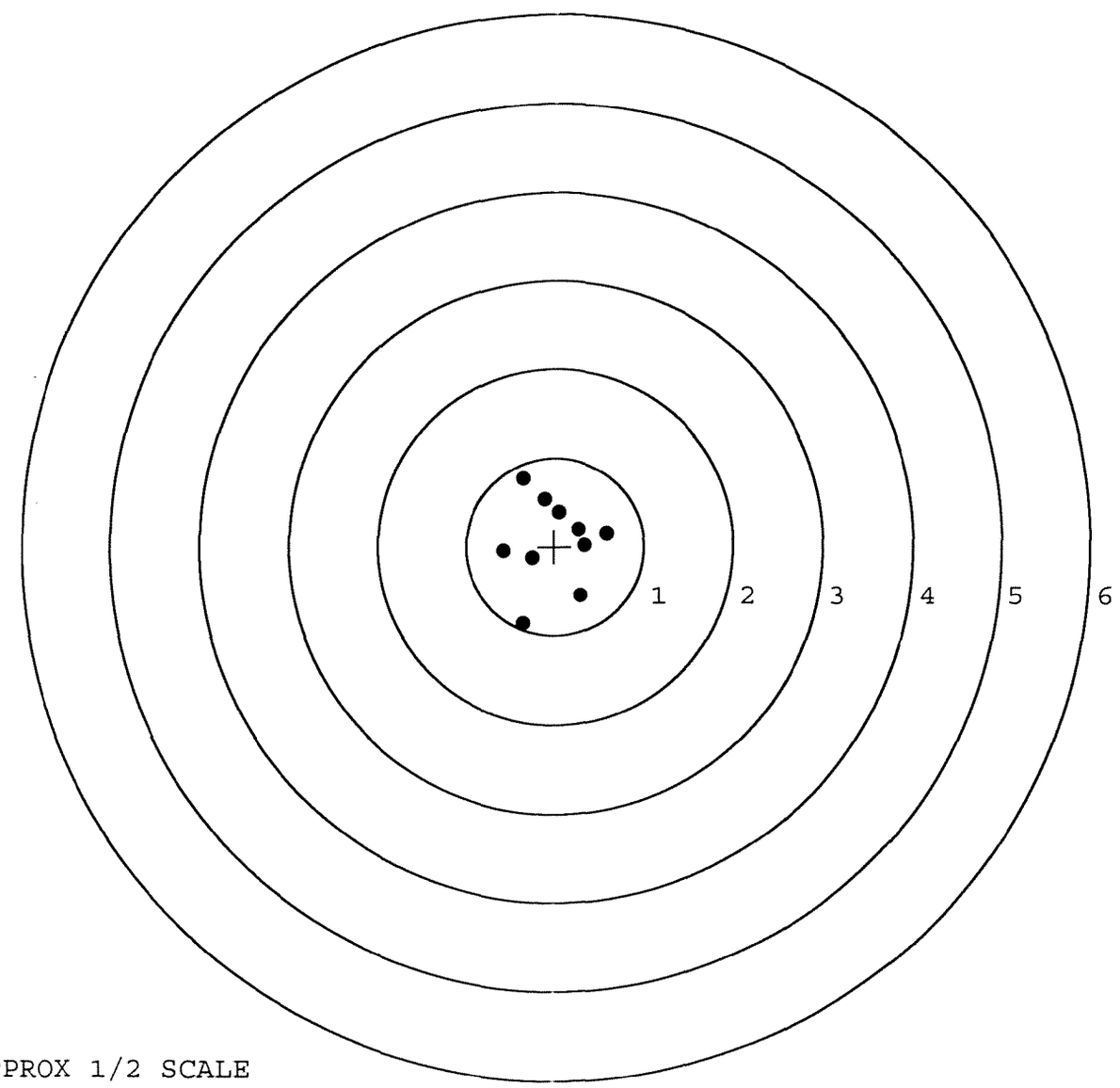


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498839.__0
TARGET NUMBER: 5
FILE DATE: 06/15/2006
FILE TIME: 07:57

X CENTROID:	-0.012
Y CENTROID:	0.045
POA TO CENTROID:	0.046
HORZ SPREAD:	1.156
VERT SPREAD:	1.642
GROUP SPREAD:	1.642
MIN RADIUS:	0.295
MAX RADIUS:	0.979
MEAN RADIUS:	0.545
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.296	-0.557
2:	-0.359	-0.871
3:	-0.252	-0.127
4:	-0.574	-0.048
5:	0.582	0.152
6:	0.345	0.023
7:	0.050	0.384
8:	-0.120	0.531
9:	-0.357	0.771
10:	0.270	0.190



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
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 6-1-06

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.57	2.49		2.56	
PULL #2	2.56	2.49		2.58	
PULL #3	2.55	2.38		2.56	
PULL #4	2.49	2.57		2.56	
PULL #5	2.50	2.53		2.51	
TOTAL	12.67	12.46		12.77	
AVERAGE	2.53	2.49		2.55	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	317	300		
PULL #2	309	305		
PULL #3	315	307		
PULL #4	317	309		
PULL #5	2.97	308		
TOTAL	15.55	15.29		
AVERAGE	311	305		

	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	4.21	4.28		4.17
PULL #2	4.19	4.21		4.11
PULL #3	4.17	4.11		4.14
PULL #4	4.20	4.29		4.12
PULL #5	4.18	4.19		4.14
TOTAL	20.95	21.08		20.68
AVERAGE	4.19	4.21		4.13

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

R & E NUMBER	A12660
SERIAL NUMBER	C6498839
LOG-IN DATE	5-22-06

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-5-06	RTR
505	RE-BARREL		6-6-06	RTR
560	ASSEMBLE		6-7-06	RTR
600	PROOF	MAGNA-FLUX INSPECTED JUN 09 2006 OPERATOR APD	6-7-06	TRW
605	CHECK HEADSPACE		6-7-06	RTR
610	DIS-ASSEMBLE GUN		6-7-06	RTR
612	MAGNAFLUX		6-9-06	APD
510	DRILL AND TAP		6-8-06	TRW
615	ROLLMARK CALIBER		6-9-06	CW
618	ROTO-BLAST		6-9-06	LB
620	APPLY COATINGS		6/13/06	RB
625	FINAL ASSEMBLY		6-15-06	RTR
640	FUNCTION TEST AND	PASS FAIL	6-15-06	TRW
650	TARGET	PASS FAIL	6-15-06	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	6-15-06	RP
670	FINAL INSPECTION		6-20-06	LPD
	A) HEADSPACE	PASS FAIL	6-20-06	LPD
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.61 2.77 2.68 2.70 2.69 6/16/06		DA
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	6.5 6.5 6.5		DA
	G) SAFETY OFF FORCE (2 LBS MIN)	3.0 3.0 3.0		DA
	I) FIRING PIN INDENT (.020)	.023 .023 .023		DA
690	PACK		6-28-06	DA

RECEIVING AND ESTIMATING REPORT

COMMENTS: M-24 SNIPER W/LEUPOLD 10X SCOPE

ORDER: R 96-02797

INITIAL	CUSTOMER ORDER NO.
JJM	

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
01/22/96	01/23/96	KK 5-90	C6498839		700 7.62 NATO

ACCESSORIES: SOFT CASE SCOPE MNTS SCOPE BASE W/BI-POD

FROM:

US ARMY
CO B 5TH SF BN 19TH SFGA
PUEBLO CO 81004

SHIP TO:

US ARMY
CO B 5TH SF BN 19TH SFGA
PUEBLO CO
81004

CUST NO: 136446 C.O.D

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE	PROM. DATE	ESTIMATED	VIA
		☐			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: W52H096024#242

COMMENTS: D.d Normal Checks on Rifle Could find NO faults

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
RW		✓	✓		
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

OFFICE COPY

RD6925 REV. 1/94

PACKING LIST	PACKED BY: CO B 5/19TH SFGA 1215 ACERO AVE PUEBLO, CO 81004-2603 SFODA- 980	NO BOXES	REQUISITION NO
			ORDER NO
END ITEM			DATE 18 JAN 1996
			PAGE1OF_1PAGES

BOX NO.	CONTENTS.STOCK NUMBER & NOMENCLATURE	UNIT OF ISSUE	PACKS # IN BOX	WEIGHT OF EACH ITEM	TOTAL WT
	7.62MM, M24 SNIPER RIFLE SN: C6498839	EA	01		
	OPTIC SIGHT SN: 890695	EA	01		
	SOFT CARRYING CASE	EA	01		
	"THIS ITEM DOES NOT CONTAIN HAZARDOUS CARGO IAW CFR. 49"				

THIS CERTIFIES THAT ITEMS LISTED HEREON ARE WITHIN THE SPECIFIED BOXES

TYPED NAME AND TITLE	SIGNATURE
ALLEN M. KINCAID, SUPPLY SGT	

DD FORM 1750

MAINTENANCE REQUEST

For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG

PAGE NO	NO. OF PAGES	REQUIREMENTS CONTROL SYMBOL
1	1	CSGLD - 1047(R1)

SECTION I - EQUIPMENT DATA

CONTROL NUMBER	WORK ORDER NO.	WESDC	ORG. PD	PD AUTHENTICATION
			03	

☐ Work Request
☐ MWO
☒ Warranty Claim

1A. ORGANIZATION	B. LOCATION	C. UNIT IDENT CODE
CO B 5TH SF BN 19TH SFGA	1215 ACERO AVE PUEBLO, CO 81004	WTP9BO (WTP9AA

2. SERIAL NO.	3. NOUN NOMENCLATURE	4. LINE NO.	5. MODEL	6. NATIONAL STOCK NUMBER
C6498839-890695	7.62mm SNIPER RIFLE	R95387	M24	1005-01-240-2136

7A. MAINTENANCE ACTIVITY	B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS
REMINGTON									

14. FAILURE DETECTED DURING *(Select one - use ✓ or X)*

☐ A Sch. Main. ☐ C Test ☐ E Storage ☐ G Flight
☐ B Handling ☒ D Normal Op ☐ F Inspection ☐ H Other

15. FIRST INDICATION OF TROUBLE *(Select one - use ✓ or X)*

☒ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment
☐ 008 Noisy ☐ 387 Low Performance ☐ Other

16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM *(Do not prescribe repairs).*

TRIGGER GUARD SCREWS OR TRIGGER GUARD IS BENT PREVENTING THE TRIGGER GUARD FROM PROPERLY LINING UP WITH THE BARREL ASSEMBLY FOR ASSEMBLY.

B. REMARKS

CO B 5TH SF BN 19TH SFGA POC: SGT ALLEN KINCAID 719-564-8991

PBO 5TH SF BN 19TH SFGA POC: CW3 ROBERT PEACHER 303-273-1647 DSN: 877-1647

SECTION II - WORK ACCOMPLISHED

17A. REPAIR ORGANIZATION/ACTIVITY	C. UNIT IDENT. CODE	18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK *(Select one - use ✓ or X)*	19. AMS ACCT. CODE
B. LOCATION		☐ 1 TOE ☐ 2 TD ☐ 3 Contractor	

20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO. (1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE	D. MANHOURS *(Hrs. & tenths)*	E. NATIONAL STOCK NUMBER	F. PART SOURCE CODE	G. QTY.	H. PARTS COST
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$

I. TOTAL MANHOURS	J. TOTAL MANHOURS COST	K. TOTAL PARTS COST
	$	$

21. DELAY *(Select One)* ☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools

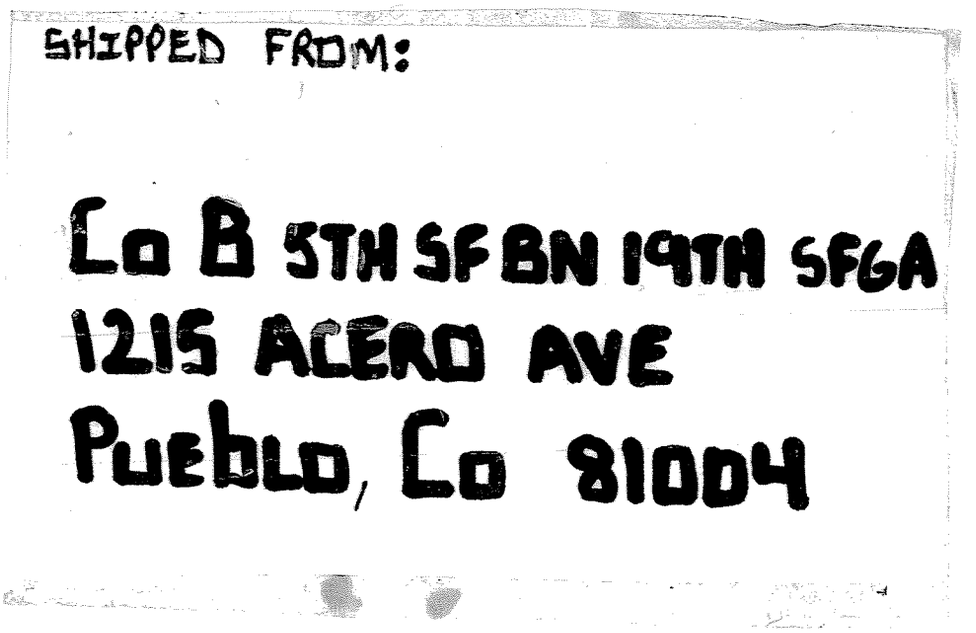
22. ☐ Data Transcribed

23. SUBMITTED BY	24. RECEIVED BY	25. WORK STARTED BY	26. INSPECTED BY	27. ACCEPTED BY
KINCAID				
JULIAN DATE 96018	JULIAN DATE	JULIAN DATE	JULIAN DATE	JULIAN DATE

28. DISPOSITION *(Select One)*

☐ A To User ☐ D Evacuated
☐ B To Stock ☐ E Cannibalization
☐ C Salvaged

DA FORM 2407, AUG 88 EDITION OF MAY 81 MAY BE USED NMP COPY 2


SHIPPED FROM:
Co B 5TH SF BN 19TH SFGA
1215 ACERO AVE
PUEBLO, CO 81004

Remington®

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

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

MODEL 700™ M24

SERIAL NO.
C6498839

ORDER NO.
5716

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

01

5716 C6498839

UPC

0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498839

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 17	90	RW
600	Proof	5 17	90	RW
607	Check Headspace	5 17	90	RW
610	Dis-assemble Gun	5 17	90	RW
612	Magnaflux Barrel Action		5/22/90	KCR
	Magnaflux Bolt		5/22/90	KCR
615	Rollmark Caliber		5/22/90	GS
617	Drill and Tap Sight Holes		5/23/90	FB
618	Polish Barrel RB		5/24/90	WB
620	Apply Coatings (Barrel Action)		6/4/90	DH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		6/4/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6/4/90	RW
	C) Inspect Ejector Hole for Chamfer		6/4/90	RW
	D) Oil Firing Pin Ass'y		6/4/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6-11-90	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2			6/12/90	WB
	G) Safety Off Force	7	7	7			6/12/90	WB
	H) Trigger Pull Test & Retainability						6/11/90	JH
	I) Firing Pin Indent	.073	.073	.073			6/12/90	WB
	J) Assemble Stock						6/13/90	RW
	K) Assemble Swivel Studs						6/14/90	JH
	L) Attach Front and Rear Sight Assemblies						6/13/90	RW
	M) Iron Sight Alignment						6/13/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/13/90	RW
	O) Attach Scope to Rifle						6/13/90	WB
	P) Detach & Attach Scope 20 Times						6/13/90	WB
640	Gallery Target & Test						6-13-90	DH
	A) Time						6-13-90	DH
	B) Malfunctions						6-13-90	DH
	C) Pierced Primers						6-13-90	DH
	D) Optical Clearity of Scope						6-13-90	DH
645	Inspect for Live Ammo						6-13-90	DH
655	Final Inspection A) Headspace						6/14/90	JH
	B) Trigger Pull	2.38	2.39	2.44	2.44	2.42	6-14-90	JH
	C) Function						6/12/90	JH
660	Pack						6-19-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6498839

DATE 6/11/98

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.25	2.25	2.30	2.38	MIN. SETTING,
PULL #2	2.24	2.26	2.25	2.39	NO AVG. OF 5
PULL #3	2.26	2.26	2.22	2.34	READINGS ACCEPT-
PULL #4	2.26	2.27	2.35	2.44	ABLE LESS THAN 2#
PULL #5	2.26	2.26	2.40	2.47	
TOTAL	11.27	11.30	11.52		
AVG.	2.254	2.26	2.304		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.35		
PULL #2	3.34	3.42		
PULL #3	3.41	3.41		
PULL #4	3.40	3.46		
PULL #5	3.42	3.45		
TOTAL	16.96	17.09		
AVG.	3.392	3.418		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.26		4.47
PULL #2	4.32	4.53		4.50
PULL #3	4.19	4.30		4.32
PULL #4	4.41	4.41		4.27
PULL #5	4.34	4.37		4.35
TOTAL	21.55	21.87		21.91
AVG.	4.31	4.374		4.382

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498839
13 Jun 1990

CENTROIDAL DISTANCES

Ø	TO	1	.220045
1	TO	2	.183505
1	TO	3	.164451
1	TO	4	.279508
1	TO	5	.269141

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0642
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0398
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .075536

THE AMR FOR THIS RIFLE IS: .7286

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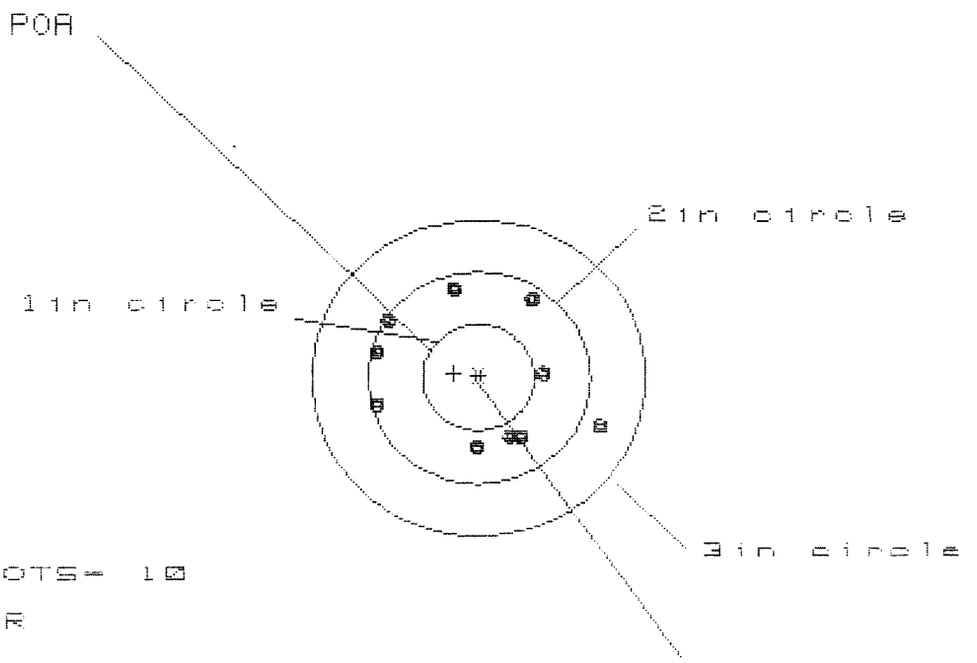
CENTERFIRE PATTERNS # 1

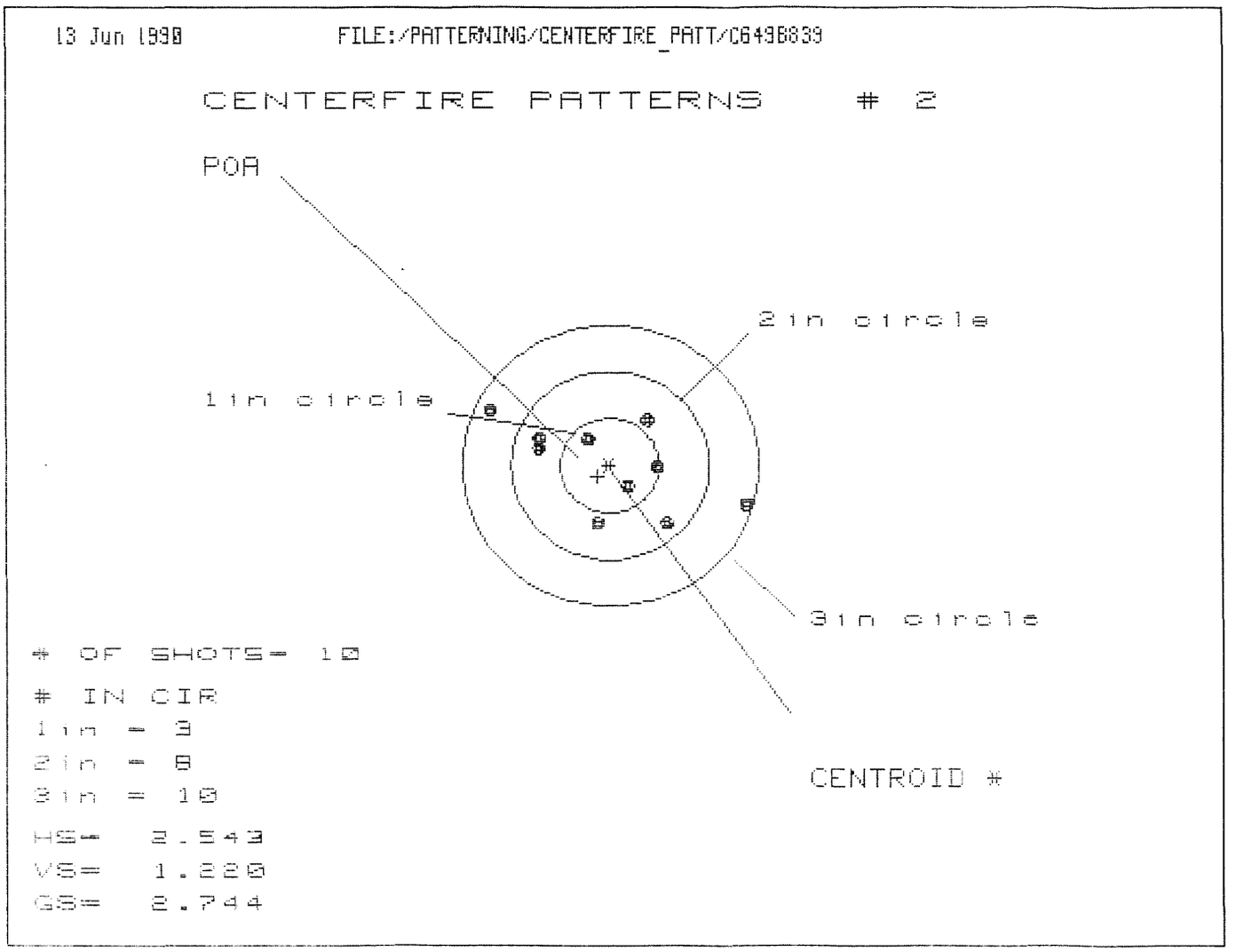


OF SHOTS= 10

# IN CIR
1in = 0
2in = 9
3in = 10

HS= 1.976
VS= 1.471
GS= 2.085

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.065	.677	.578
MINIMUM X	:	-.911	-.793	-.862
MAXIMUM Y	:	.837	.791	.748
MINIMUM Y	:	-.634	-.680	-.723
CENTROID X	:	.216	.098	.197
CENTROID Y	:	-.042	.004	.047
POA TO CENTROID in.	:	.220	.098	.203
MIN RADIUS	:	.562	.677	.579
MEAN RADIUS	:	.828	.793	.775
MAX RADIUS	:	1.143	.950	.890
HORIZONTAL SPREAD	:	1.976	1.470	1.440
VERTICAL SPREAD	:	1.471	1.471	1.471
EXTREME SPREAD	:	2.085	1.766	1.603
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.344	.741	.610
MINIMUM X	:	-1.199	-1.050	-.746
MAXIMUM Y	:	.582	.533	.532
MINIMUM Y	:	-.638	-.687	-.621
CENTROID X	:	.121	-.028	.103
CENTROID Y	:	.115	.164	.098
POA TO CENTROID in.	:	.167	.167	.142
MIN RADIUS	:	.292	.269	.295
MEAN RADIUS	:	.750	.672	.594
MAX RADIUS	:	1.417	1.177	.870
HORIZONTAL SPREAD	:	2.543	1.791	1.356
VERTICAL SPREAD	:	1.220	1.220	1.153
EXTREME SPREAD	:	2.744	2.167	1.604
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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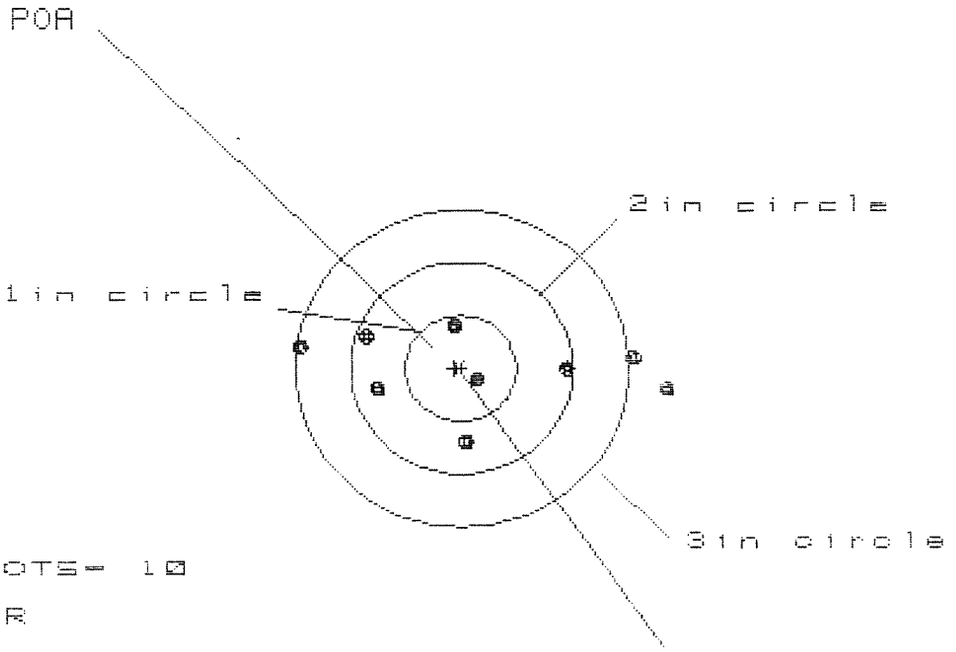
CENTERFIRE PATTERNS # 3



OF SHOTS= 10

# IN CIR
1in = 2
2in = 6
3in = 8

HS= 3.229
VS= 1.028
GS= 3.249

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.811	1.703	1.392
MINIMUM X	:	-1.418	-1.216	-1.004
MAXIMUM Y	:	.380	.363	.378
MINIMUM Y	:	-.648	-.665	-.650
CENTROID X	:	.056	-.146	-.358
CENTROID Y	:	-.004	.013	-.002
POA TO CENTROID in.	:	.056	.146	.358
MIN RADIUS	:	.227	.375	.390
MEAN RADIUS	:	1.011	.905	.783
MAX RADIUS	:	1.818	1.707	1.393
HORIZONTAL SPREAD	:	3.229	2.919	2.396
VERTICAL SPREAD	:	1.028	1.028	1.028
EXTREME SPREAD	:	3.249	2.920	2.406
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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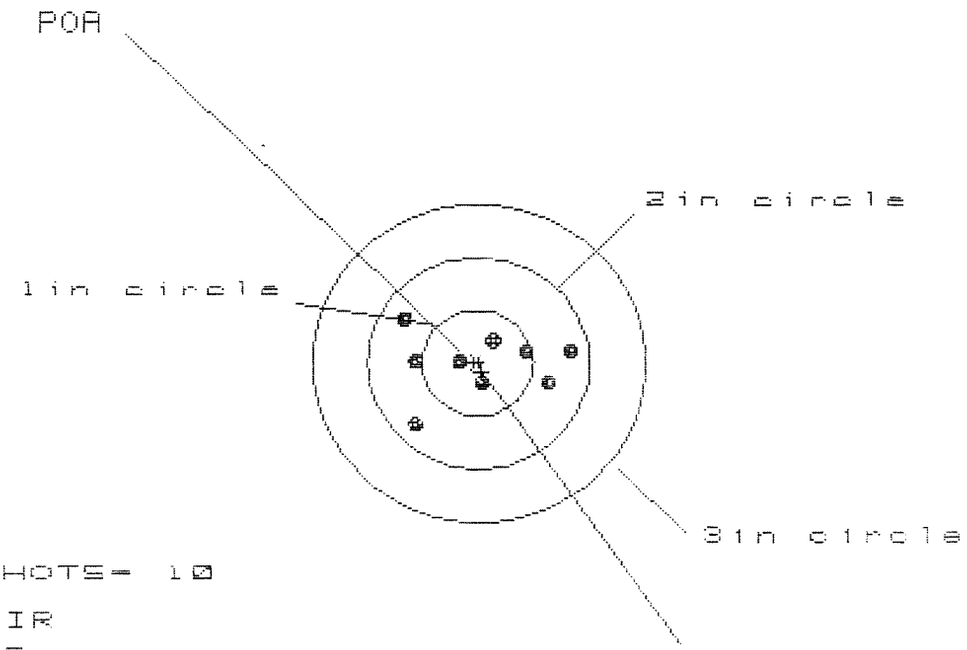
CENTERFIRE PATTERNS # 4



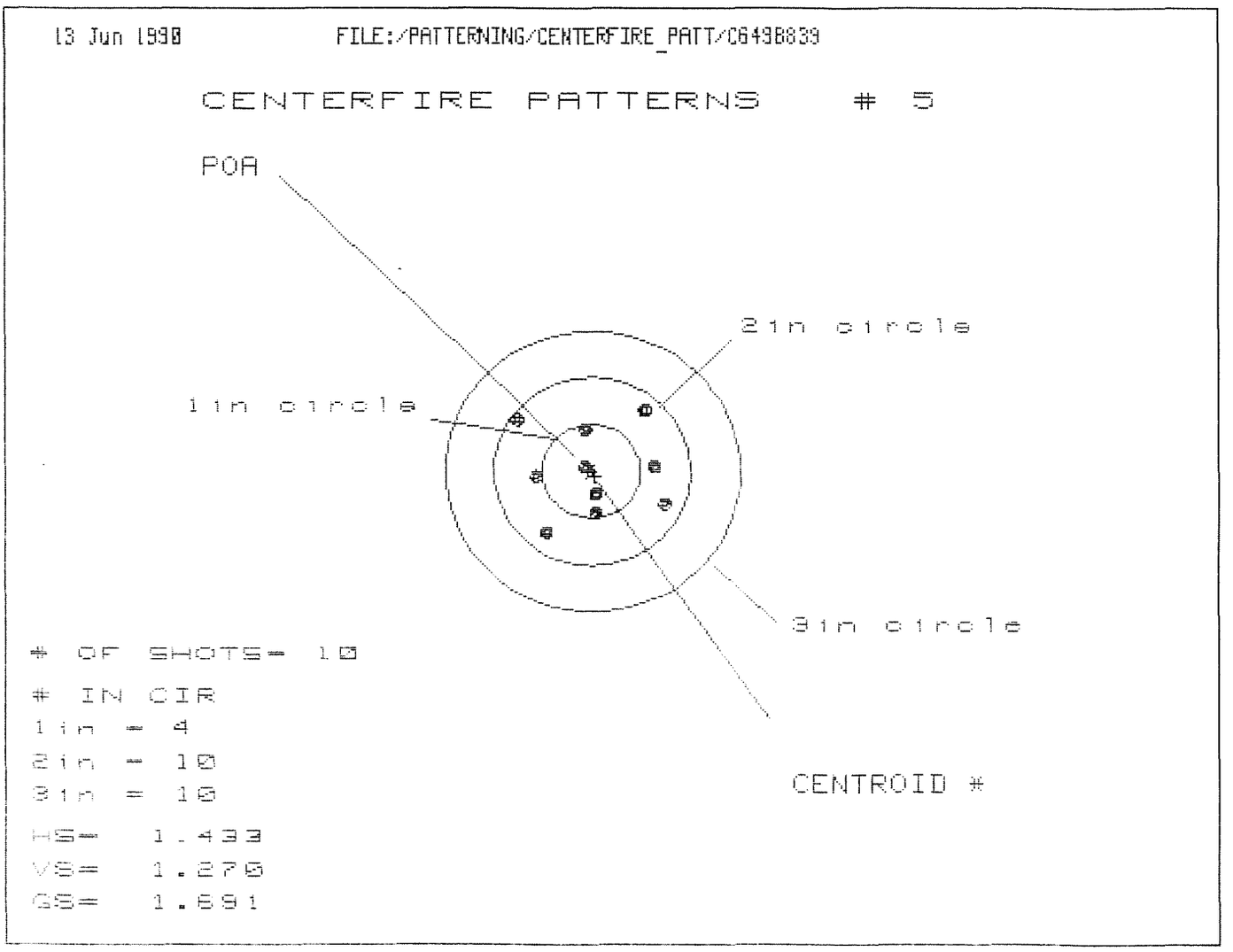
OF SHOTS= 10

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

HS= 1.516
VS= .992
GS= 1.553

PATTERN # : **4**

SHOTS (BEST OF) :	10	9	8
MAXIMUM X :	.859	.712	.642
MINIMUM X :	-.657	-.561	-.577
MAXIMUM Y :	.431	.441	.285
MINIMUM Y :	-.561	-.551	-.496
CENTROID X :	-.034	-.130	-.060
CENTROID Y :	.083	.073	.018
POA TO CENTROID in.:	.090	.149	.062
MIN RADIUS :	.119	.026	.115
MEAN RADIUS :	.490	.433	.404
MAX RADIUS :	.864	.742	.706
HORIZONTAL SPREAD :	1.516	1.273	1.219
VERTICAL SPREAD :	.992	.992	.781
EXTREME SPREAD :	1.553	1.429	1.244
NUMBER IN ONE INCH CIRCLE =		5	
NUMBER IN TWO INCH CIRCLE =		10	
NUMBER IN THREE INCH CIRCLE =		10	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.699	.617	.594
MINIMUM X	:	-.734	-.603	-.526
MAXIMUM Y	:	.614	.670	.629
MINIMUM Y	:	-.656	-.600	-.641
CENTROID X	:	-.038	.044	-.033
CENTROID Y	:	.047	-.009	.032
POA TO CENTROID in.	:	.061	.045	.046
MIN RADIUS	:	.105	.186	.119
MEAN RADIUS	:	.564	.527	.494
MAX RADIUS	:	.894	.804	.799
HORIZONTAL SPREAD	:	1.433	1.220	1.120
VERTICAL SPREAD	:	1.270	1.270	1.270
EXTREME SPREAD	:	1.691	1.587	1.587
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	