C6611426

MODEL 700™ M24

Model SWS™

Action

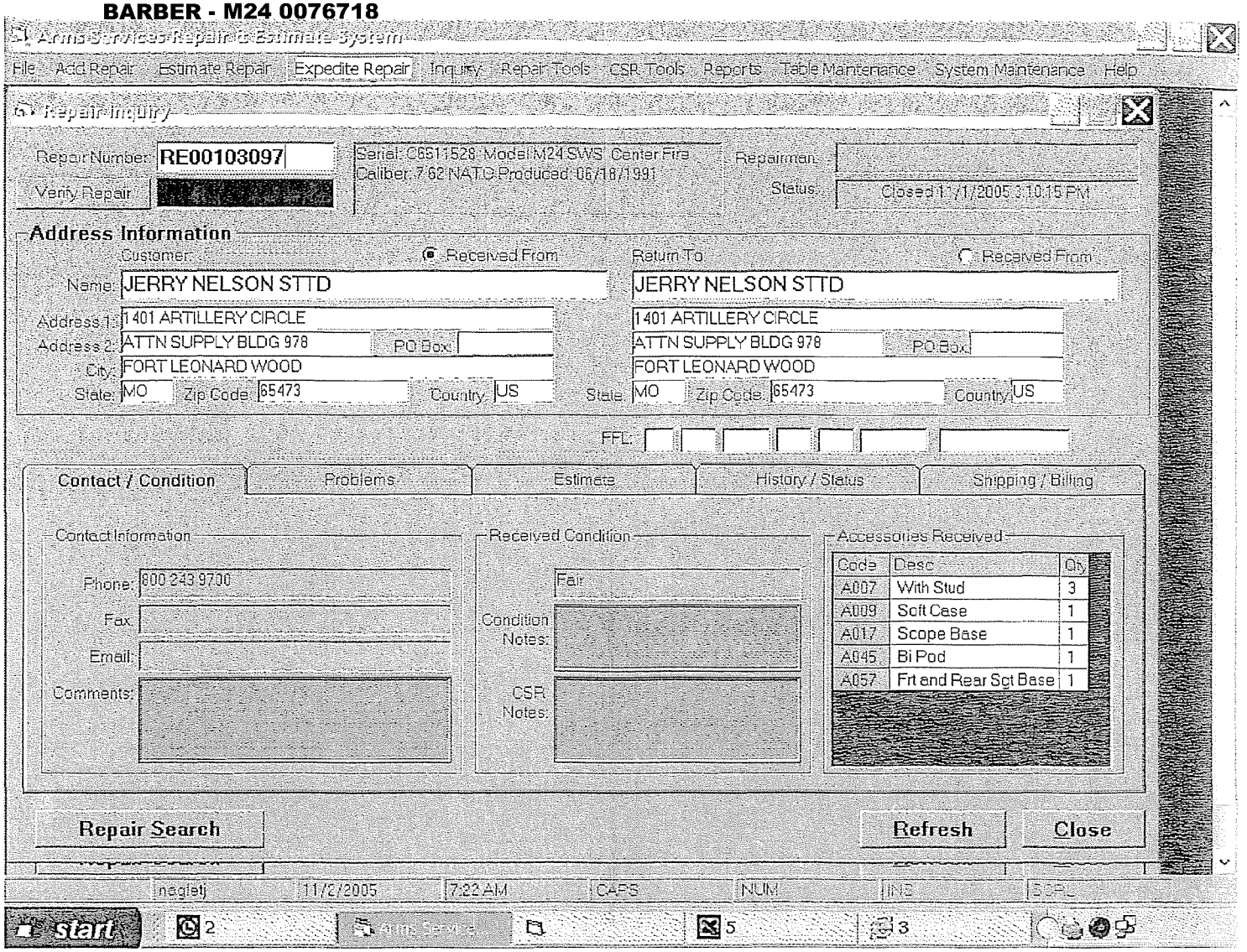
Barrel Length

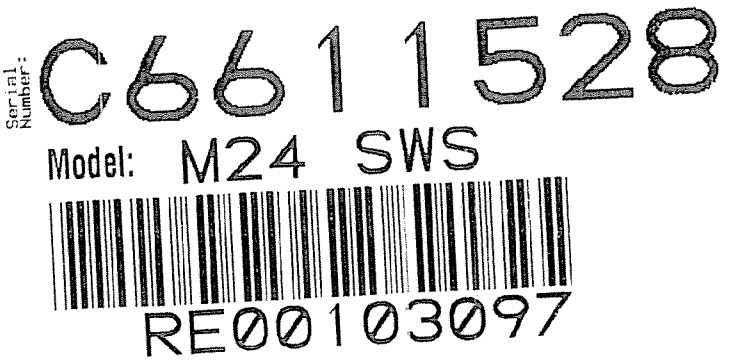
Capacity

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: RE00103097
Verify Repair
Serial: C6511528 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/18/1991
Repairman:
Status: Closed 11/1/2005 3:10:15 PM
Address Information
Customer: Received From
Name: JERRY NELSON STTD
Address 1: 1401 ARTILLERY CIRCLE
Address 2: ATTN SUPPLY BLDG 978 PO Box:
City: FORT LEONARD WOOD
State: MO Zip Code: 65473 Country: US
Return To: Received From
JERRY NELSON STTD
1401 ARTILLERY CIRCLE
ATTN SUPPLY BLDG 978 PO Box:
FORT LEONARD WOOD
State: MO Zip Code: 65473 Country: US
FFL:
Contact / Condition
Problems
Estimate
History / Status
Shipping / Billing
Contact Information
Phone: 800 243 9700
Fax:
Email:
Comments:
Received Condition
Fair
Condition Notes:
CSR Notes:
Accessories Received
Code Desc Qty
A007 With Stud 3
A009 Soft Case 1
A017 Scope Base 1
A045 Bi Pod 1
A057 Frt and Rear Sgt Base 1
Repair Search
Refresh
Close
11/2/2005
7:22 AM
CAPS
NUM
start


Serial Number:
C6611528
Model: M24 SWS
RE00103097

Box 2

MAINTENANCE REQUEST For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG	PAGE NO	NO OF PAGES	REQUIREMENT CONTROL SYMBOL CSGLD-1047(R1)

SECTION I - CUSTOMER DATA

1a. UIC CUSTOMER	1b. CUSTOMER UNIT NAME	1c. PHONE NO
WQMLAY	STTD	6-0636

2a. SAMS-2 UIC/SAMS-I/TDA	2b. UTILIZATION CODE	2c. MCSR

SECTION II - MAINTENANCE ACTIVITY DATA

3a. WORK ORDER NUMBER (WON)	3b. SHOP	3c. PHONE NO

4a. UIC SUPPORT UNIT	4b. SUPPORT UNIT NAME

SECTION III - EQUIPMENT DATA

5. TYPE MNT REQ CODE	6. ID	7. NSN
		1005-01-240-2136

8. MODEL	M24
9. NOUN	SNIPER WEAPON SYSTEM

10a. ORG WON/DOC NO	10b. EIC

11. SERIAL NUMBER	12. QTY	13. PD
C6661528	1	P3

14. MALFUNCTION DESCRIPTION (for DSU, GSU/AVIM, DEPOT use)

15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751	
15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code) See DA Pamphlets 738-750 and 738-751	16. MILES/KILOMETERS/HOURS/ROUNDS M: K: H: R:

17. PROJECT CODE (if assigned)	18. ACCOUNT PROCESSING CODE	19. IN WARRANTY? (enter Y or N)	20. ADMIN NO

21. REIMBURSABLE CUSTOMER (if intransit customer enter Y or N)	
22. LEVEL OF WORK	23. SIGNATURE

24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not prescribe repairs)

BOLT HANDLE CRACKED

25. REMARKS

POC JERRY NELSON 596-0636

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

34b. DATE	35b. STATUS	35d. TIME	36b. STATUS	36c. DATE	36d. TIME	37b. STATUS	37c. DATE	37d. TIME	38b. STATUS	38c. DATE	38d. TIME
5 94											

DA FORM 2407, JUL 94

NMP COPY 2

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611528.__0
FILE DATE AND TIME: 11/18/2005 14:55

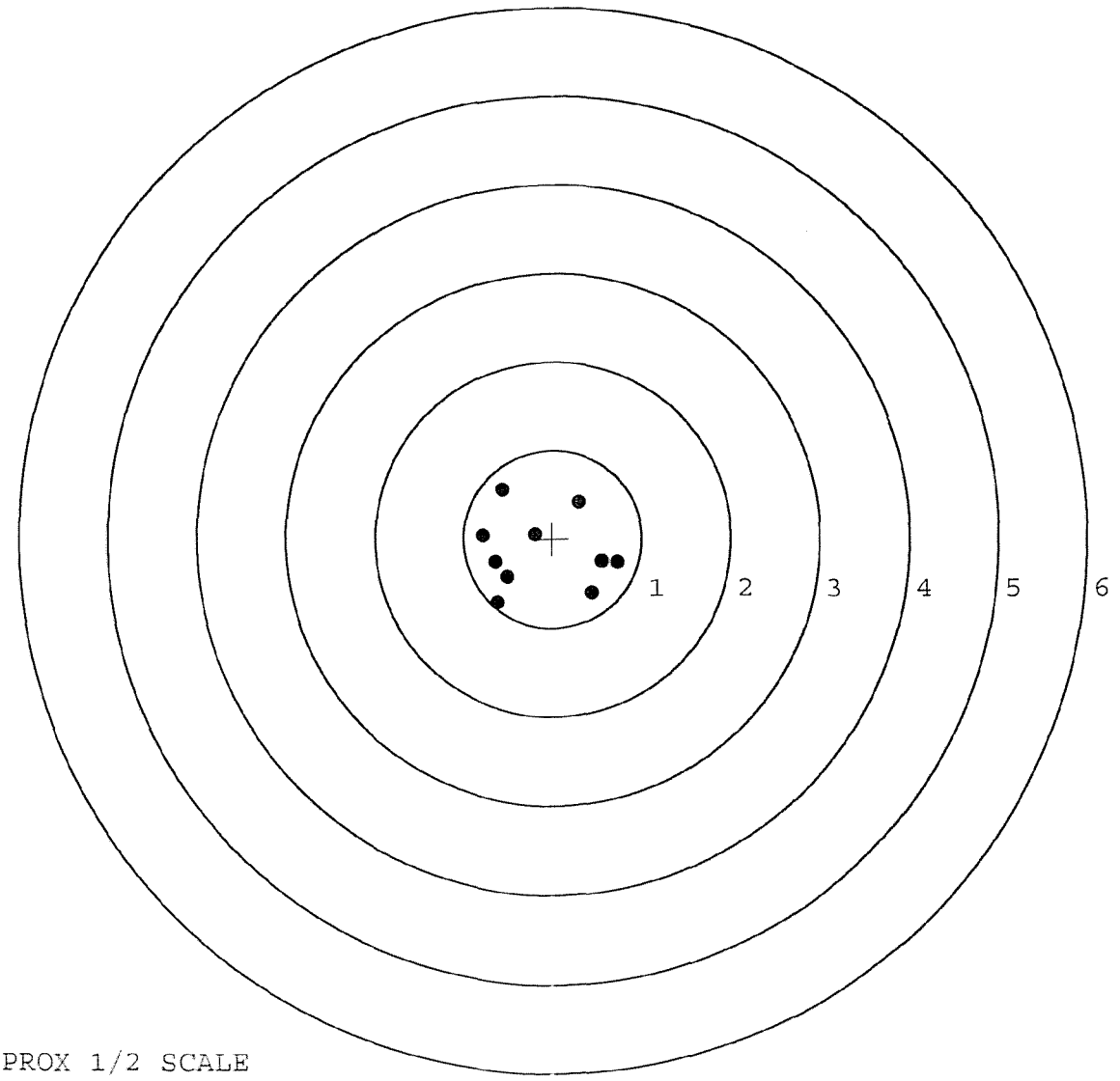
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.082
The Average Y Centroid of the Five Target Set:	0.036
The Average Point of Impact of the Five Target Set:	0.089
The Average Mean Radius of the Five Target Set:	0.585
The Distance from POA to Centroid Target #1:	0.197
The Distance from Centroid Target #2 to Centroid Target #1:	0.238
The Distance from Centroid Target #3 to Centroid Target #1:	0.270
The Distance from Centroid Target #4 to Centroid Target #1:	0.334
The Distance from Centroid Target #5 to Centroid Target #1:	0.181

SERIAL NUMBER: C6611528.__0
TARGET NUMBER: 1
FILE DATE: 11/18/2005
FILE TIME: 14:55

X CENTROID:	-0.129
Y CENTROID:	-0.149
POA TO CENTROID:	0.197
HORZ SPREAD:	1.515
VERT SPREAD:	1.273
GROUP SPREAD:	1.546
MIN RADIUS:	0.211
MAX RADIUS:	0.871
MEAN RADIUS:	0.648
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.446	-0.607
2:	0.733	-0.273
3:	0.557	-0.256
4:	0.297	0.413
5:	-0.569	0.559
6:	-0.196	0.051
7:	-0.782	0.034
8:	-0.643	-0.263
9:	-0.507	-0.433
10:	-0.625	-0.714



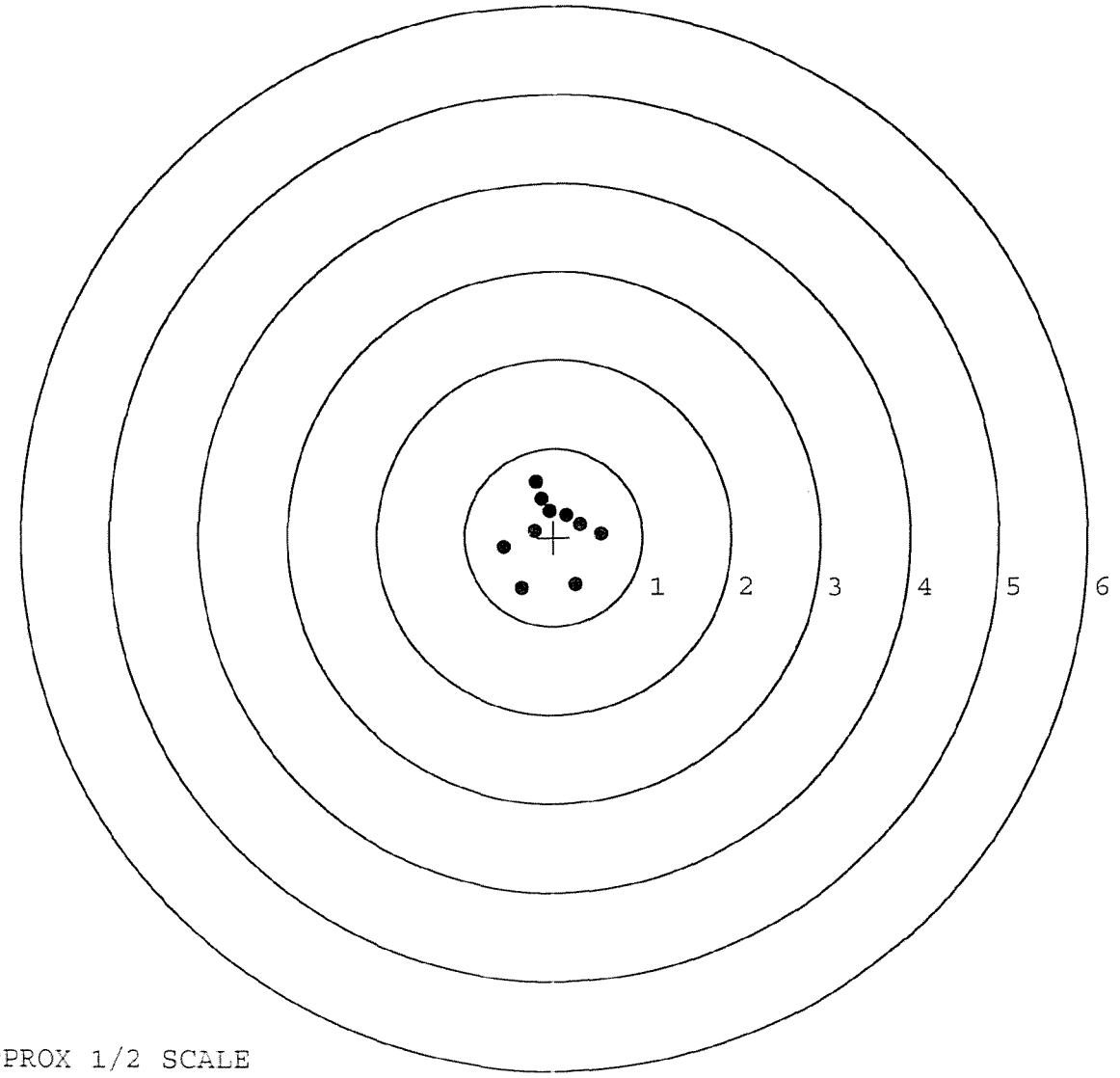
TARGET APPROX 1/2 SCALE

BARBER - M24 0076722

SERIAL NUMBER: C6611528.__0
TARGET NUMBER: 2
FILE DATE: 11/18/2005
FILE TIME: 14:55

X CENTROID:	-0.030
Y CENTROID:	0.067
POA TO CENTROID:	0.074
HORZ SPREAD:	1.097
VERT SPREAD:	1.198
GROUP SPREAD:	1.209
MIN RADIUS:	0.187
MAX RADIUS:	0.716
MEAN RADIUS:	0.450
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.252	-0.534
2:	-0.361	-0.567
3:	-0.561	-0.111
4:	0.536	0.043
5:	0.304	0.141
6:	0.142	0.253
7:	-0.050	0.297
8:	-0.216	0.080
9:	-0.142	0.440
10:	-0.202	0.631



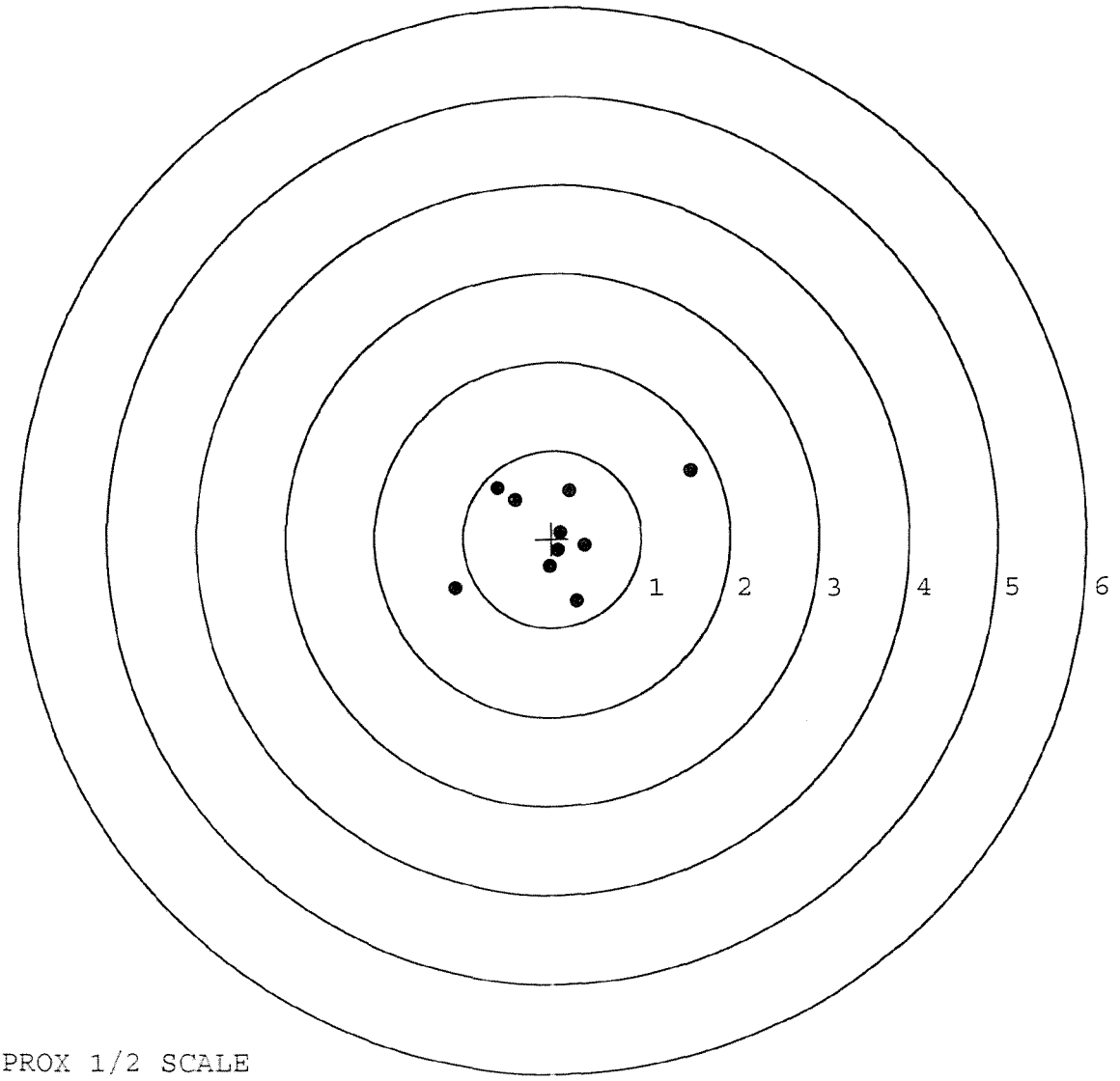
TARGET APPROX 1/2 SCALE

BARBER - M24 0076723

SERIAL NUMBER: C6611528.__0
TARGET NUMBER: 3
FILE DATE: 11/18/2005
FILE TIME: 14:55

X CENTROID:	0.041
Y CENTROID:	0.062
POA TO CENTROID:	0.074
HORZ SPREAD:	2.642
VERT SPREAD:	1.485
GROUP SPREAD:	2.966
MIN RADIUS:	0.059
MAX RADIUS:	1.670
MEAN RADIUS:	0.671
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.278	-0.708
2:	1.550	0.777
3:	0.200	0.545
4:	-0.619	0.579
5:	-0.419	0.445
6:	-1.092	-0.572
7:	0.371	-0.075
8:	0.099	0.071
9:	0.071	-0.129
10:	-0.032	-0.315

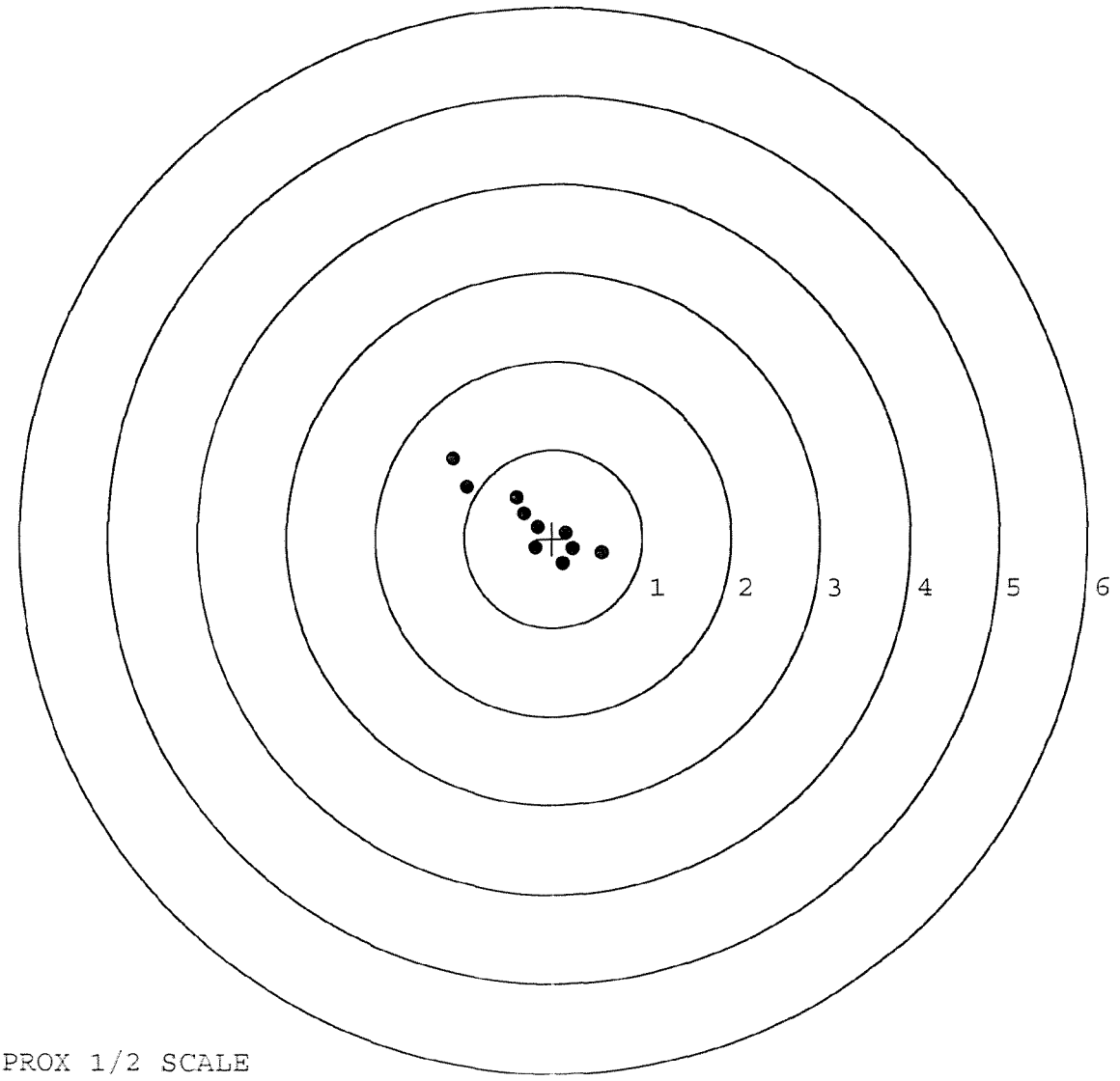


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611528.__0
TARGET NUMBER: 4
FILE DATE: 11/18/2005
FILE TIME: 14:55

X CENTROID:	-0.214
Y CENTROID:	0.174
POA TO CENTROID:	0.276
HORZ SPREAD:	1.676
VERT SPREAD:	1.182
GROUP SPREAD:	1.983
MIN RADIUS:	0.063
MAX RADIUS:	1.161
MEAN RADIUS:	0.518
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.553	-0.163
2:	-1.123	0.896
3:	-0.967	0.576
4:	-0.407	0.464
5:	-0.333	0.280
6:	-0.168	0.130
7:	-0.195	-0.106
8:	0.150	0.064
9:	0.232	-0.118
10:	0.118	-0.286

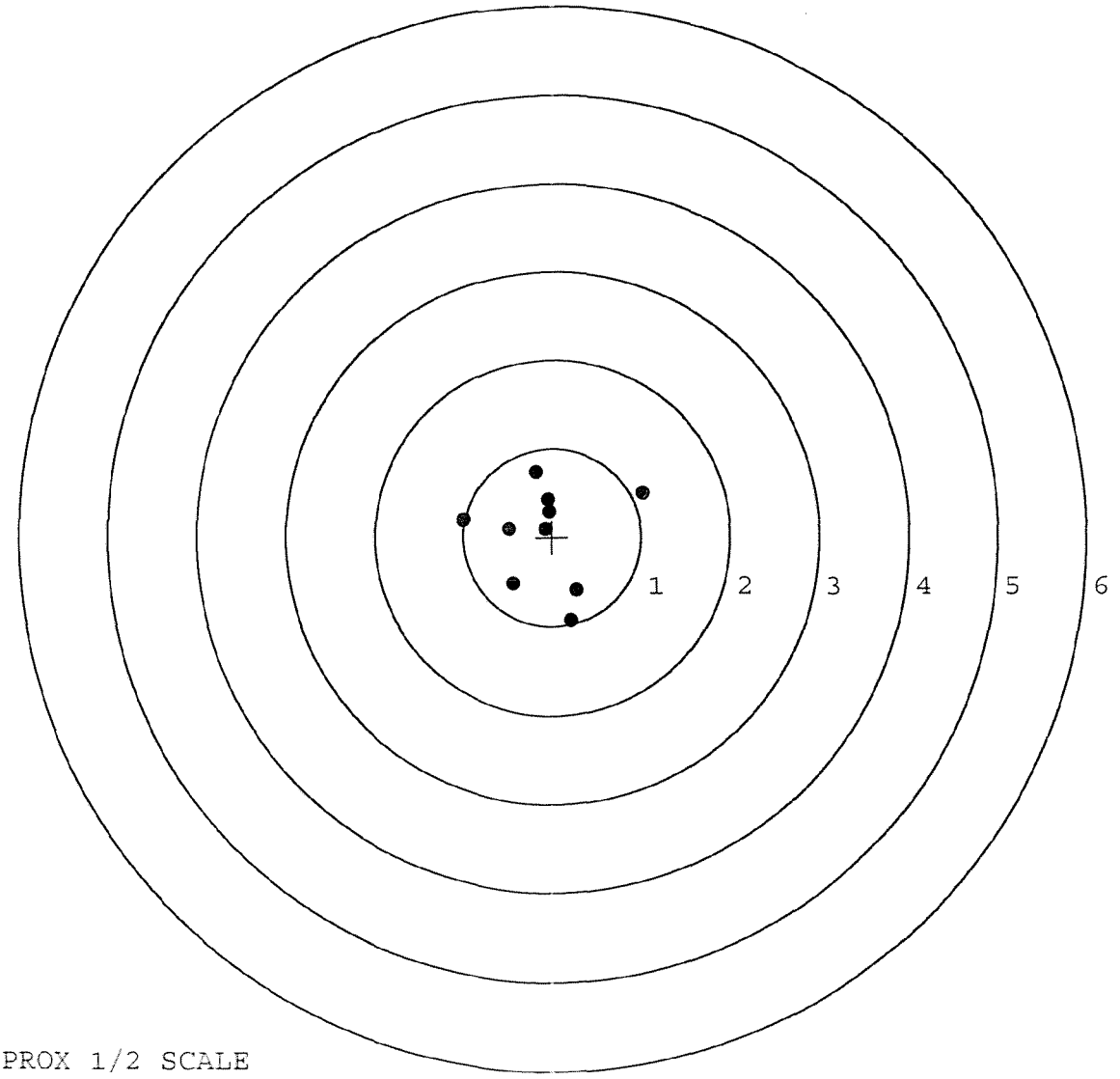


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611528.__0
TARGET NUMBER: 5
FILE DATE: 11/18/2005
FILE TIME: 14:55

X CENTROID:	-0.078
Y CENTROID:	0.025
POA TO CENTROID:	0.082
HORZ SPREAD:	2.023
VERT SPREAD:	1.679
GROUP SPREAD:	2.047
MIN RADIUS:	0.064
MAX RADIUS:	1.193
MEAN RADIUS:	0.638
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	1.017	0.499
2:	0.209	-0.944
3:	0.275	-0.602
4:	-0.441	-0.525
5:	-1.006	0.189
6:	-0.482	0.097
7:	-0.078	0.089
8:	-0.037	0.286
9:	-0.049	0.425
10:	-0.185	0.735



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)

SERIAL NO. _____

DATE 11-7-05

TESTER R.P.

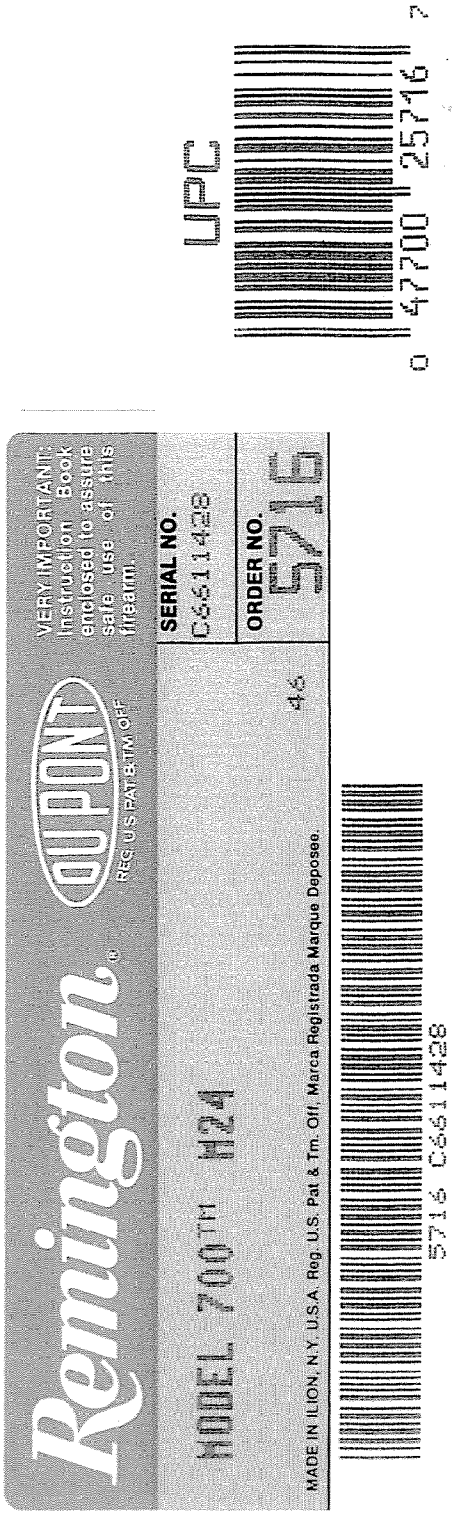
	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET - 2.50 LBS		COMMENTS
PULL #1	2.48	2.42		2.65	
PULL #2	2.58	2.51		2.64	
PULL #3	2.57	2.39		2.65	
PULL #4	2.48	2.48		2.59	
PULL #5	2.49	2.52		2.42	
TOTAL	12.60	12.32		12.95	
AVERAGE	2.52	2.46		2.59	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	310	2.89		
PULL #2	310	293		
PULL #3	301	312		
PULL #4	311	313		
PULL #5	307	317		
TOTAL	15.39	15.24		
AVERAGE	3.07	3.04		

	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	4.12	4.01		4.08
PULL #2	4.08	3.80		4.11
PULL #3	4.09	3.79		4.10
PULL #4	4.10	4.09		4.12
PULL #5	4.11	4.07		4.09
TOTAL	20.50	19.76		20.50
AVERAGE	4.10	3.95		4.10

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

R & E NUMBER	103097			
SERIAL NUMBER	C6061528			
LOG-IN DATE	11-18-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-7-05	RTC
505	RE-BARREL		11-9-05	RTC
560	ASSEMBLE		11-9-05	CD
600	PROOF	MAGNA-FLUX	11-9-05	CD
605	CHECK HEADSPACE	[illegible]	11-9-05	CD
610	DIS-ASSEMBLE GUN	[illegible]	11-9-05	CD
612	MAGNAFLUX	OPERATOR [illegible]	11/10/05 [illegible]	
510	DRILL AND TAP		11-10-05	BR
615	ROLLMARK CALIBER		11-10-05	CW
618	ROTO-BLAST		11-14-05	LB
620	APPLY COATINGS		11/15/05	MP
625	FINAL ASSEMBLY		11-16-05	RTC
640	FUNCTION TEST AND	(PASS) FAIL	11-18-05	TRW
650	TARGET	(PASS) FAIL	11-18-05	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	11-18-05	TRW
670	FINAL INSPECTION			
	A) HEADSPACE	(PASS) FAIL	11-18-05	AC
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.36 2.46 2.17 2.19 2.43		AC
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS)	6 lbs 6 lbs 6 lbs		AC 11-18-05
	G) SAFETY OFF FORCE (2 LBS MIN)	2 lbs 2 lbs 2 lbs		AC 11-18-05
	I) FIRING PIN INDENT (.020)	.022 .022 .022		AC
690	PACK		11-30-05	RM


Remington
DUPONT
Reg. U.S. Pat. & T.M. Off.
VERY IMPORTANT
Instruction Book
enclosed to assure
safe use of this
firearm.
MODEL 700TH M24
SERIAL NO.
C6611428
ORDER NO.
5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off. Marca Registrada Marque Deposee.
5716 C6611428

UPC
0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611428

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/26/91	K.S.
600	Proof		3/26/91	K.S.
607	Check Headspace		3/26/91	K.S.
610	Dis-assemble Gun		3/26/91	K.S.
612	Magnaflux Barrel Action	APR	2 1991	KP
	Magnaflux Bolt	APR	2 1991	CC
615	Rollmark Caliber	APR	2 1991	DL
617	Drill and Tap Sight Holes	APR	5 1991	FB
618	Polish Barrel	APR	5 1991	WB
620	Apply Coatings (Barrel Action)		4/10/91	KS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	KS
	C) Inspect Ejector Hole for Chamfer		4/10/91	KS
	D) Oil Firing Pin Ass'y		4/10/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		4/15/91	KS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	7	7			4-24-91	DH
	G) Safety Off Force	3	3	3			4-24-91	DH
	H) Trigger Pull Test & Retainability						4/15/91	DH
	I) Firing Pin Indent	.021	.020	.022			4/6-91	DH
	J) Assemble Stock						4/24/91	KS
	K) Assemble Swivel Studs						5-1-91	DH
	L) Attach Front and Rear Sight Assemblies						4/24/91	KS
	M) Iron Sight Alignment						4/24/91	KS
	N) Detach Front & Rear Sights & place in numbered container						4/24/91	KS
	O) Attach Scope to Rifle						4/24/91	KS
	P) Detach & Attach Scope 20 Times						4/24/91	KS
640	Gallery Target & Test						4-25-91	AC
	A) Time						4-25-91	AC
	B) Malfunctions						4-25-91	AC
	C) Pierced Primers						4-25-91	AC
	D) Optical Clearity of Scope						4-25-91	AC
645	Inspect for Live Ammo						4-25-91	AC
655	Final Inspection A) Headspace						5-1-91	DH
	B) Trigger Pull	2.50	2.55	2.58	2.58	2.60	4-26-91	DH
	C) Function						5-1-91	DH
660	Pack						6-18-91	MF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6611428

DATE 4/15/91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.41	2.40	2.50	MIN. SETTING,
PULL #2	2.44	2.41	2.43	2.55	NO AVG. OF 5
PULL #3	2.44	2.27	2.28	2.58	READINGS ACCEPT-
PULL #4	2.43	2.41	2.49	2.58	ABLE LESS THAN 2#
PULL #5	2.42	2.43	2.44	2.60	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.29		
PULL #2	3.21	3.27		
PULL #3	3.17	3.31		
PULL #4	3.35	3.31		
PULL #5	3.28	3.30		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.51		4.15
PULL #2	4.35	4.40		4.39
PULL #3	4.41	4.39		4.36
PULL #4	4.26	4.38		4.36
PULL #5	4.42	4.44		4.36
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611428
25 Apr 1991

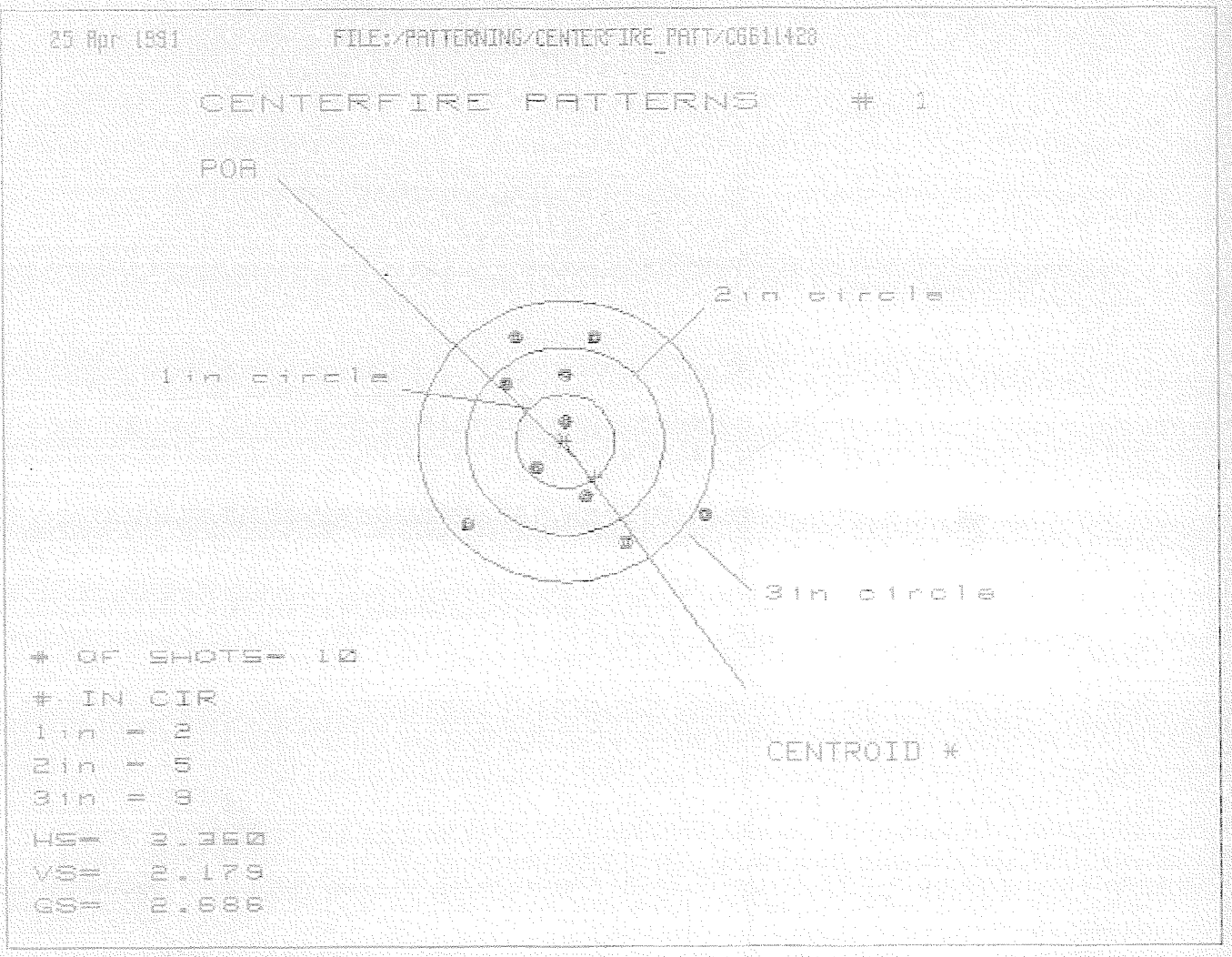
CENTROIDAL DISTANCES

0	TO	1	.491506
1	TO	2	.507521
1	TO	3	.484586
1	TO	4	.436479
1	TO	5	.501105

1
3.15 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1828
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0568
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .191481

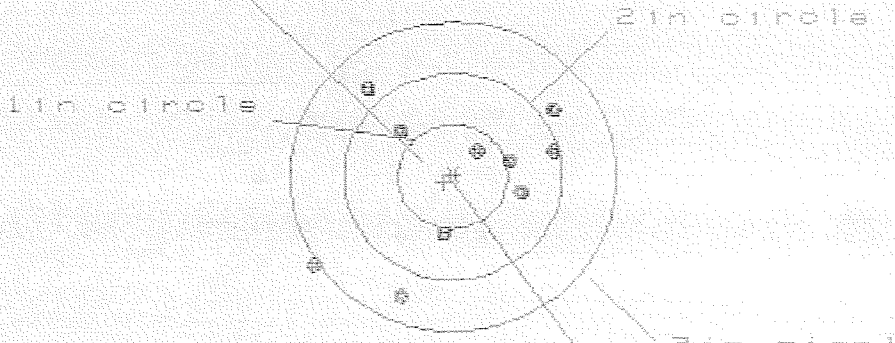
THE AMR FOR THIS RIFLE IS: 1.01



PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.373	.752	.647
MINIMUM X	:	-.987	-.834	-.598
MAXIMUM Y	:	1.093	1.001	.884
MINIMUM Y	:	-1.086	-1.178	-1.295
CENTROID X	:	-.303	-.456	-.351
CENTROID Y	:	.387	.479	.596
POA TO CENTROID in.	:	.491	.661	.692
MIN RADIUS	:	.180	.217	.103
MEAN RADIUS	:	.935	.843	.770
MAX RADIUS	:	1.603	1.397	1.447
HORIZONTAL SPREAD	:	2.360	1.586	1.245
VERTICAL SPREAD	:	2.179	2.179	2.179
EXTREME SPREAD	:	2.686	2.436	2.436
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

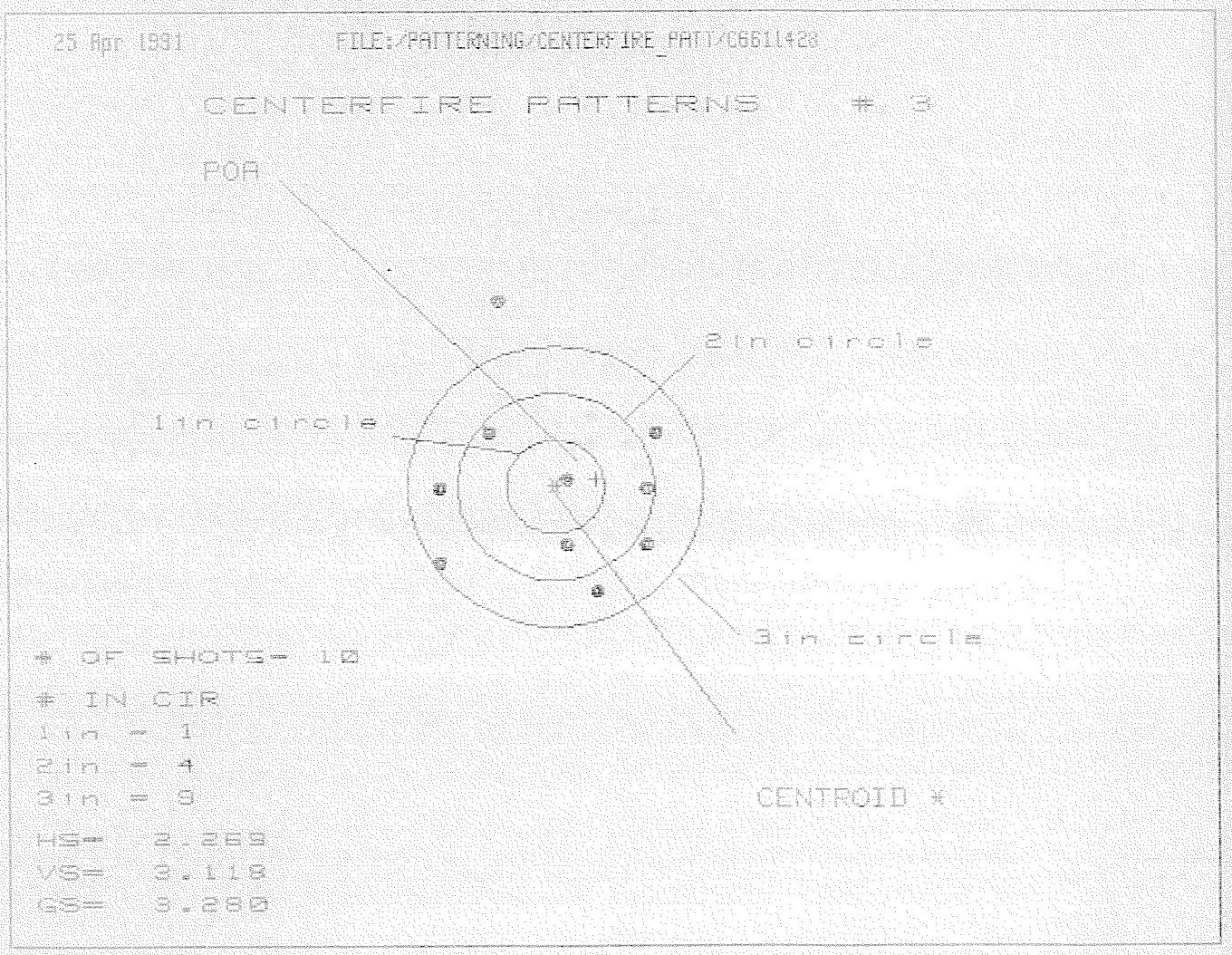
25 Apr 1991 FILE:/PATTERNING/CENTERFIRE_PATT/CG611428

CENTERFIRE PATTERNS # 2

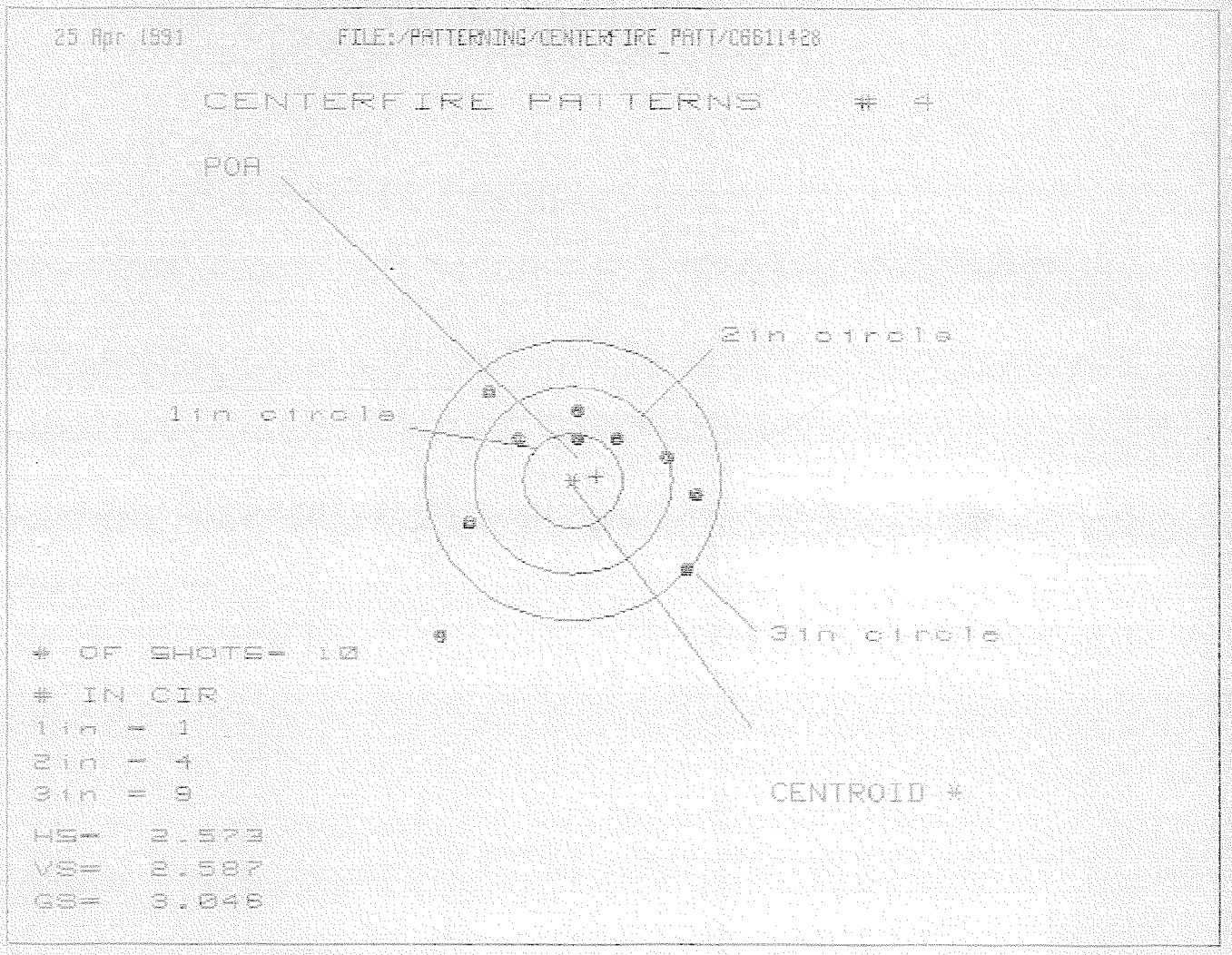


OF SHOTS= 10
IN CIR
1 in = 1
2 in = 5
3 in = 9
HS= 2.230
VS= 1.990
GS= 2.680

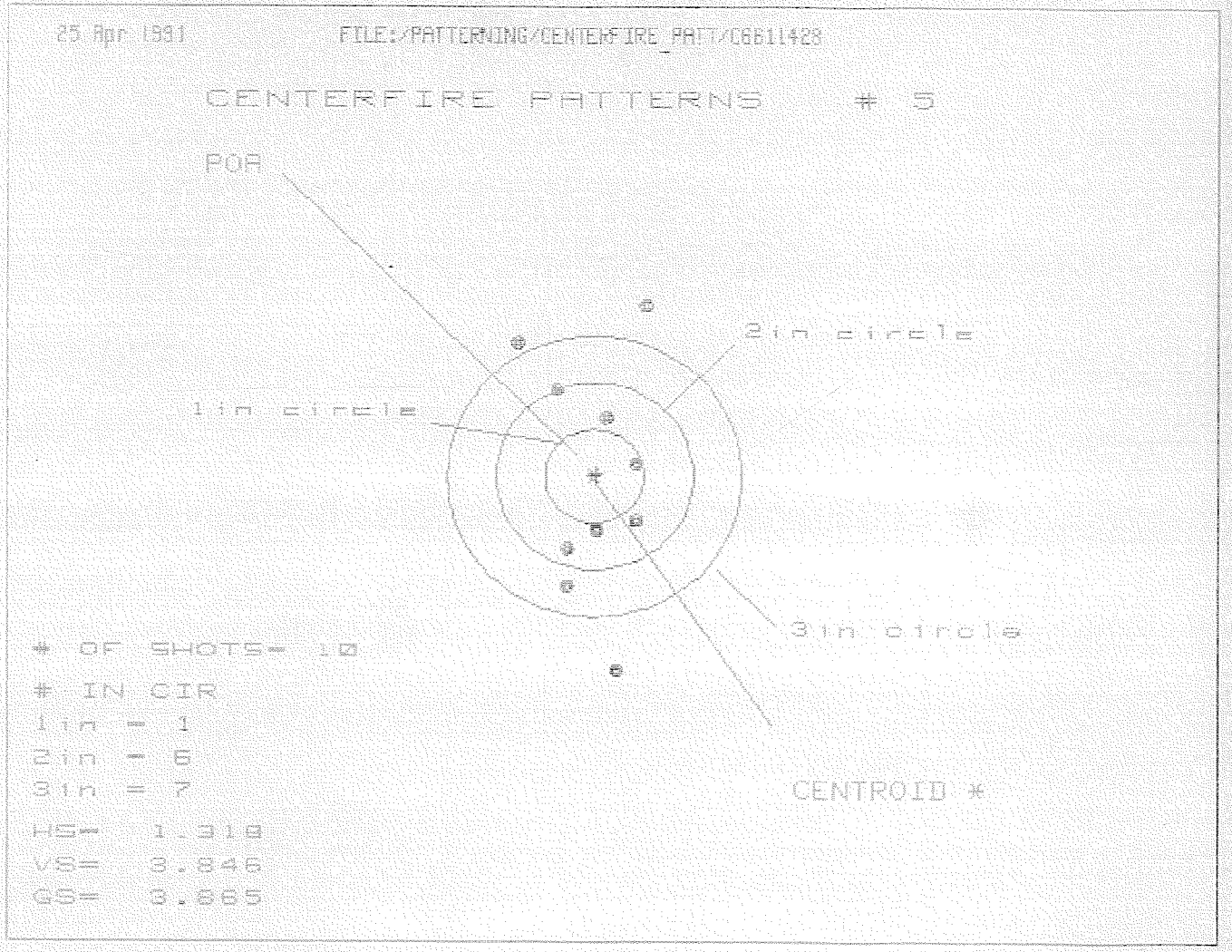
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.926	.781	.699
MINIMUM X	:	-1.304	-.886	-.968
MAXIMUM Y	:	.872	.783	.632
MINIMUM Y	:	-1.118	-1.207	-.750
CENTROID X	:	.090	.225	.307
CENTROID Y	:	.054	.143	.294
POA TO CENTROID in.	:	.096	.266	.425
MIN RADIUS	:	.328	.176	.023
MEAN RADIUS	:	.872	.759	.647
MAX RADIUS	:	1.532	1.373	1.156
HORIZONTAL SPREAD	:	2.230	1.667	1.667
VERTICAL SPREAD	:	1.990	1.990	1.382
EXTREME SPREAD	:	2.680	2.307	1.797
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.046	.984	.824
MINIMUM X	:	-1.222	-1.285	-1.364
MAXIMUM Y	:	1.981	.852	.778
MINIMUM Y	:	-1.137	-.917	-.991
CENTROID X	:	-.421	-.358	-.198
CENTROID Y	:	-.083	-.303	-.229
POA TO CENTROID in.	:	.429	.469	.302
MIN RADIUS	:	.161	.297	.224
MEAN RADIUS	:	1.082	.947	.864
MAX RADIUS	:	2.059	1.416	1.367
HORIZONTAL SPREAD	:	2.269	2.269	2.188
VERTICAL SPREAD	:	3.118	1.769	1.769
EXTREME SPREAD	:	3.280	2.676	2.288
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.220	1.069	1.195
MINIMUM X	:	-1.353	-1.214	-1.038
MAXIMUM Y	:	.905	.718	.576
MINIMUM Y	:	-1.682	-1.135	-.785
CENTROID X	:	-.248	-.097	-.223
CENTROID Y	:	-.046	.141	.283
POA TO CENTROID in.	:	.252	.172	.360
MIN RADIUS	:	.438	.267	.189
MEAN RADIUS	:	1.085	.899	.777
MAX RADIUS	:	2.159	1.515	1.342
HORIZONTAL SPREAD	:	2.573	2.283	2.283
VERTICAL SPREAD	:	2.587	1.853	1.361
EXTREME SPREAD	:	3.046	2.766	2.384
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.562	.582	.531
MINIMUM X	:	-.756	-.736	-.663
MAXIMUM Y	:	1.817	1.591	1.398
MINIMUM Y	:	-2.029	-1.362	-1.163
CENTROID X	:	-.022	-.042	-.115
CENTROID Y	:	-.028	.198	.081
POA TO CENTROID in.	:	.036	.202	.115
MIN RADIUS	:	.455	.439	.540
MEAN RADIUS	:	1.075	.968	.962
MAX RADIUS	:	2.037	1.694	1.548
HORIZONTAL SPREAD	:	1.318	1.318	1.194
VERTICAL SPREAD	:	3.846	2.953	2.581
EXTREME SPREAD	:	3.865	3.080	2.599
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	