C6225183

MODEL 700™ M24

Model SWS ™

Action

Barrel Length

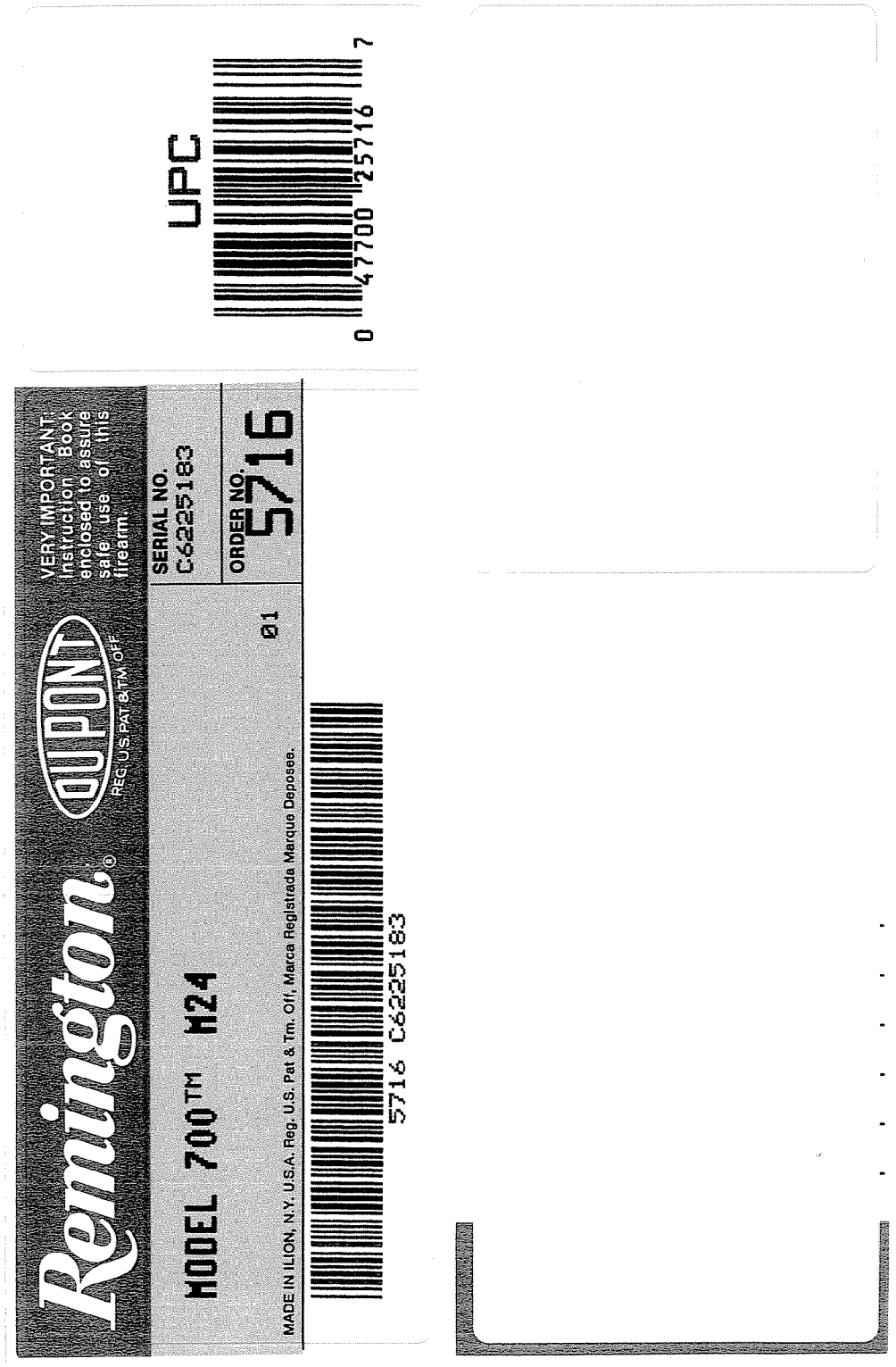
Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Smith & Wesson®
No 2-152-51


UPC
0 47700 25716 7
Remington
DUPONT
REG. U.S. PAT. & TM. OFF.
VERY IMPORTANT
Instruction Book
enclosed to assure
safe use of this
firearm.
MODEL 700TM M24
SERIAL NO.
C6225183
ORDER NO.
5716
01
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off., Marca Registrada Marque Deposee.
5716 C6225183

M-24

Scope 0174

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225183

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6 12 89	RW
600	Proof		6 12 89	RW
607	Check Headspace		6 12 89	RW
610	Dis-assemble Gun		6 12 89	RW
612	Magnaflux Barrel Action		6/21/89	KCR
	Magnaflux Bolt	REJECTED	6/21/89	KCR
615	Rollmark Caliber		6/21/89	[illegible]
617	Drill and Tap Sight Holes		6 26 89	J.B.
618	Polish Barrel		6 26 89	BT.
620	Apply Coatings (Barrel Action)		7/10/89	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/14/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/14/89	RW
	C) Inspect Ejector Hole for Chamfer		7/14/89	RW
	D) Oil Firing Pin Ass'y		7/14/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		18 July 89	RS

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force	5 | 5 | 5	18 July 89	GS
	G) Safety Off Force	3 | 3 | 3	18 July 89	GS
	H) Trigger Pull Test & Retainability		18 July 89	GS
	I) Firing Pin Indent	.020 | .020 | .020	18 July 89	GS
	J) Assemble Stock		7/18/89	RW
	K) Assemble Swivel Studs		26 July 89	GS
	L) Attach Front and Rear Sight Assemblies		7/18/89	RW
	M) Iron Sight Alignment		7/18/89	RW
	N) Detach Front & Rear Sights & place in numbered container		7/18/89	RW
	O) Attach Scope to Rifle		7/19/89	RW
	P) Detach & Attach Scope 20 Times		7/21/89	J.W.
640	Gallery Target & Test	48 R 106 L	7-25-89	DH
	A) Time		7-25-89	DH
	B) Malfunctions		7-25-89	DH
	C) Pierced Primers		7-25-89	DH
	D) Optical Clearity of Scope		7-25-89	DH
645	Inspect for Live Ammo		7-25-89	DH
655	Final Inspection A) Headspace		26 July 89	GS
	B) Trigger Pull	2.47 | 2.53 | 2.54 | 2.58 | 2.42	26 July 89	GS
	C) Function		26 July 89	GS
660	Pack		7-26-89	GS

SWS TRIGGER PULL TEST

5183

SERIAL NO. ~~C225500~~

DATE 25 April 89

TESTER 928

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

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.49	2.52	2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT-ABLE LESS THAN 2#
PULL #2	2.35	2.52	2.44	2.40	
PULL #3	2.42	2.46	2.32	2.40	
PULL #4	2.50	2.35	2.43	2.40	
PULL #5	2.41	2.17	2.18	2.40	
TOTAL	12.07	11.99	11.89	12.07	
AVG.	2.414	2.398	2.378	2.414	

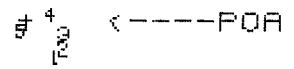
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.54		
PULL #2	3.01	3.47		
PULL #3	3.18	3.56		
PULL #4	3.16	3.28		
PULL #5	3.18	3.58		
TOTAL	15.82	17.43		
AVG.	3.164	3.486		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.13		4.37
PULL #2	3.97	4.22		4.08
PULL #3	4.04	4.13		4.44
PULL #4	4.07	3.98		4.38
PULL #5	4.15	4.22		4.37
TOTAL	20.40	20.68		21.84
AVG.	4.08	4.136		4.368

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225183
25 Jul 1989

CENTROIDAL DISTANCES

Ø	TO	1	.821521
1	TO	2	.197345
1	TO	3	.452545
1	TO	4	.793673
1	TO	5	.777447

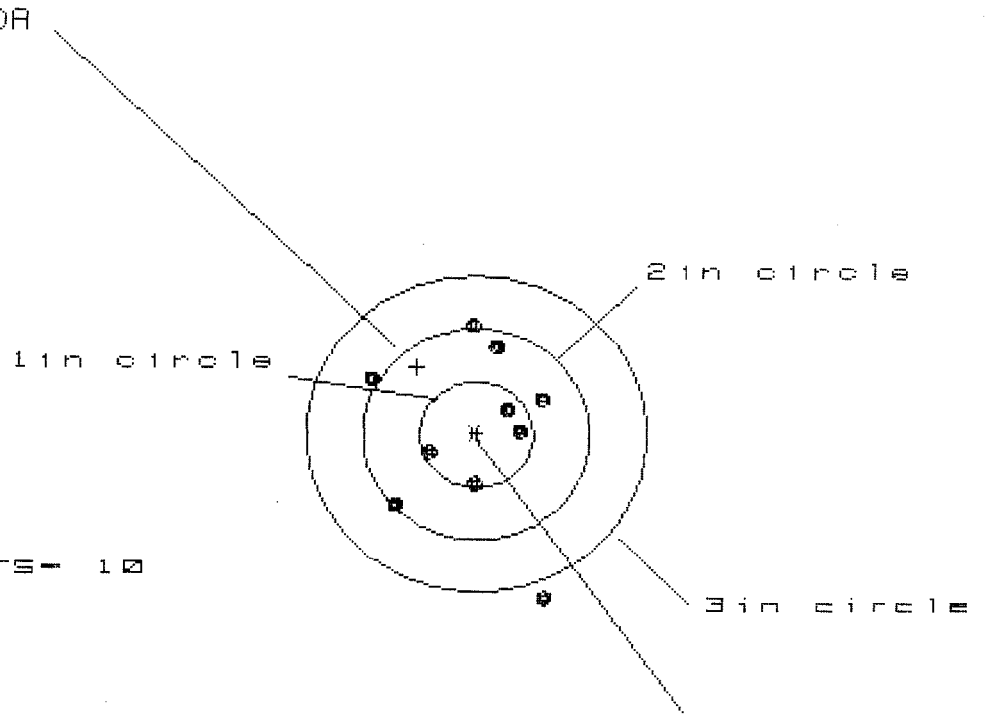


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4426
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2704
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .518663

THE AMR FOR THIS RIFLE IS: 1.079

25 Jul 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225183

CENTERFIRE PATTERNS # 1

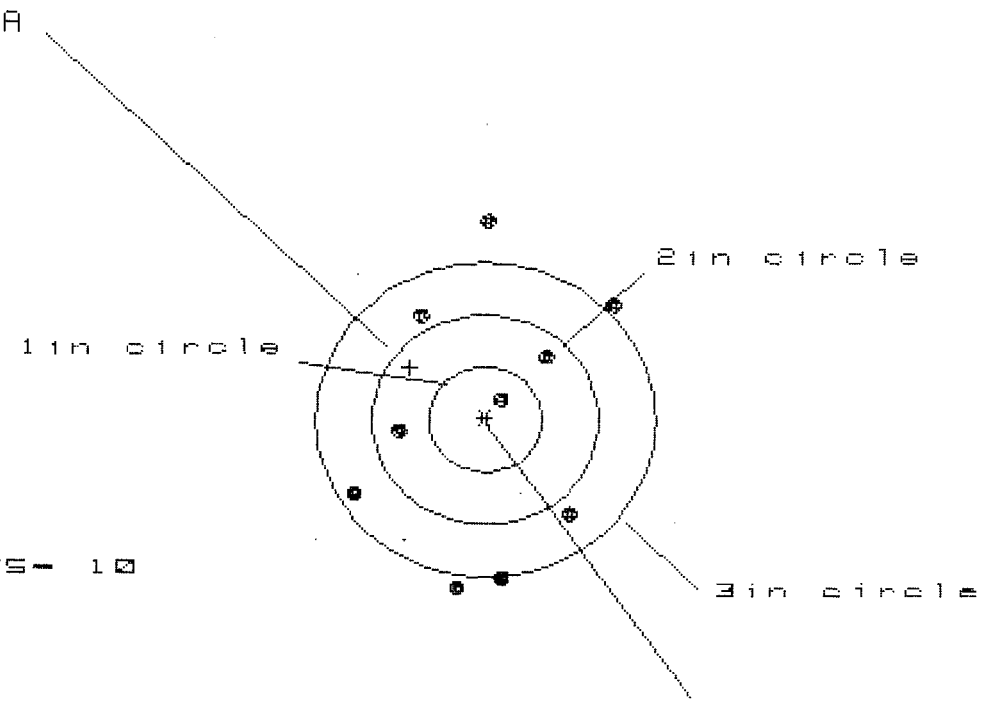


# OF SHOTS= 10
# IN CIR
1in = 4
2in = 6
3in = 9
HS= 1.521
VS= 2.571
GS= 2.644

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.620	.654	.550
MINIMUM X	:	-.901	-.832	-.755
MAXIMUM Y	:	1.004	.830	.874
MINIMUM Y	:	-1.567	-.869	-.825
CENTROID X	:	.520	.451	.555
CENTROID Y	:	-.636	-.462	-.506
POA TO CENTROID in.	:	.821	.645	.751
MIN RADIUS	:	.342	.341	.248
MEAN RADIUS	:	.787	.678	.625
MAX RADIUS	:	1.685	1.086	1.118
HORIZONTAL SPREAD	:	1.521	1.486	1.305
VERTICAL SPREAD	:	2.571	1.699	1.699
EXTREME SPREAD	:	2.644	1.846	1.846
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

25 Jul 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225183

CENTERFIRE PATTERNS # 2

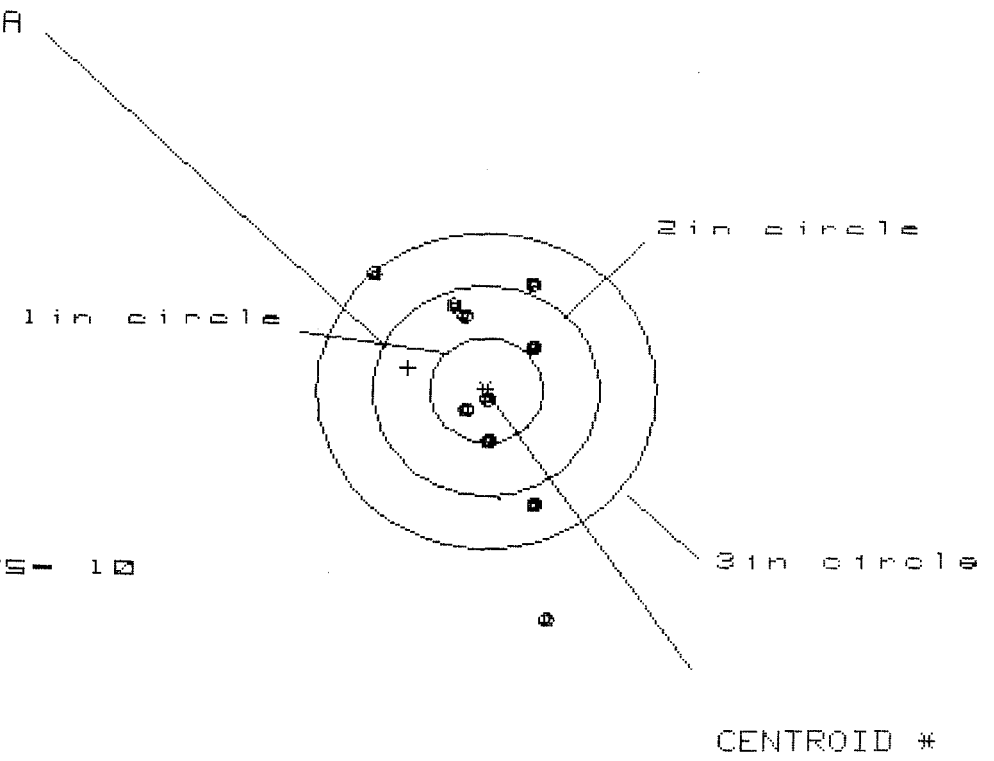


# OF SHOTS= 10
# IN CIR
1in = 1
2in = 3
3in = 6
HS= 2.260
VS= 3.451
GS= 3.463

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.099	1.101	1.068
MINIMUM X	:	-1.161	-1.159	-1.192
MAXIMUM Y	:	1.892	1.272	1.103
MINIMUM Y	:	-1.559	-1.349	-1.458
CENTROID X	:	.663	.661	.694
CENTROID Y	:	-.500	-.710	-.541
POA TO CENTROID in.	:	.831	.970	.881
MIN RADIUS	:	.244	.425	.259
MEAN RADIUS	:	1.192	1.116	1.058
MAX RADIUS	:	1.892	1.682	1.535
HORIZONTAL SPREAD	:	2.260	2.260	2.260
VERTICAL SPREAD	:	3.451	2.621	2.561
EXTREME SPREAD	:	3.463	2.957	2.847
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

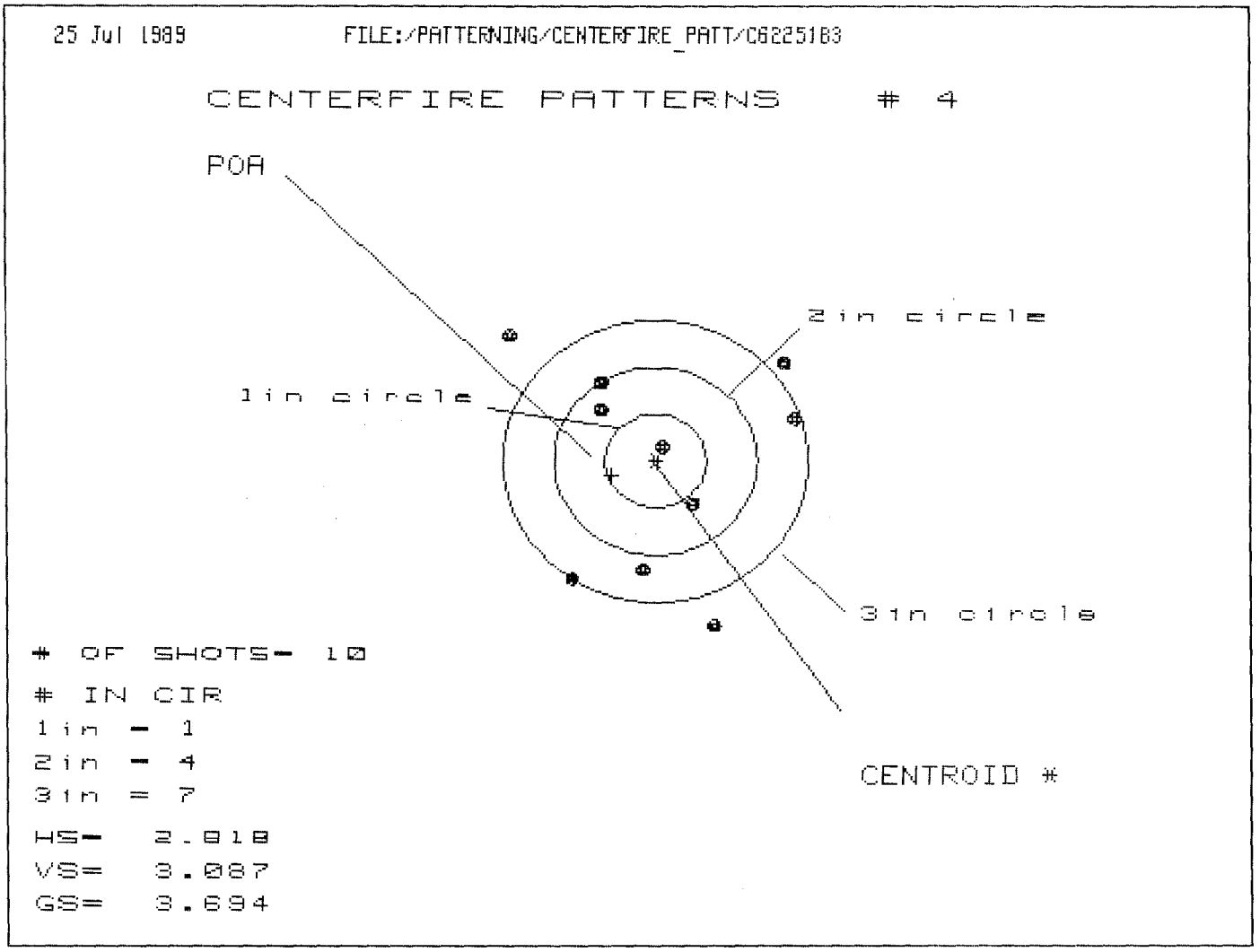
25 Jul 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225183

CENTERFIRE PATTERNS # 3

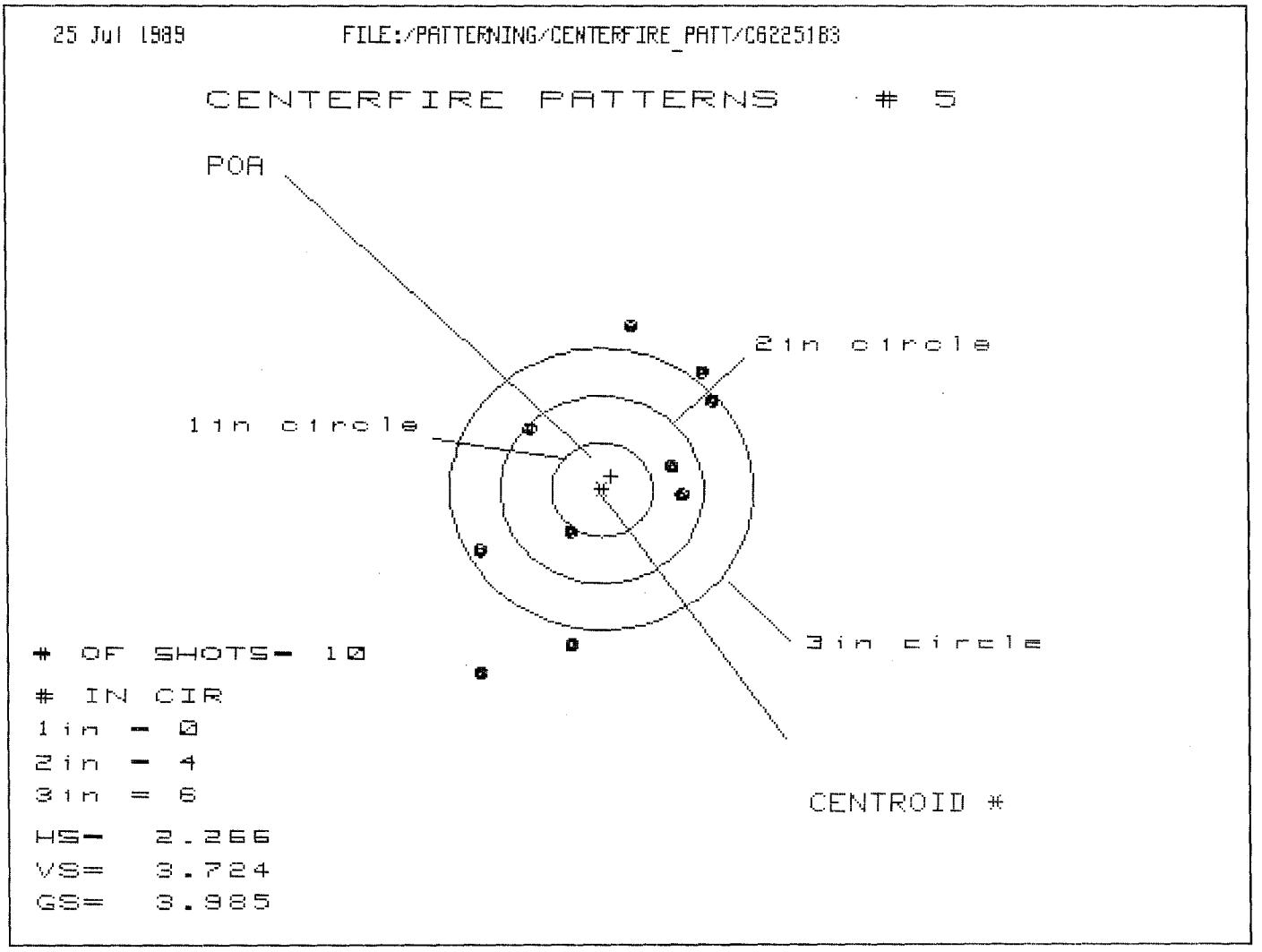


# OF SHOTS= 10
# IN CIR
1in = 2
2in = 6
3in = 9
HS= 1.455
VS= 3.358
GS= 3.660

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.496	.458	.345
MINIMUM X	:	-.959	-.903	-.315
MAXIMUM Y	:	1.147	.902	.849
MINIMUM Y	:	-2.211	-1.333	-1.221
CENTROID X	:	.686	.630	.743
CENTROID Y	:	-.215	.030	-.082
POA TO CENTROID in.	:	.719	.631	.748
MIN RADIUS	:	.081	.330	.203
MEAN RADIUS	:	.905	.744	.663
MAX RADIUS	:	2.266	1.410	1.268
HORIZONTAL SPREAD	:	1.455	1.361	.660
VERTICAL SPREAD	:	3.358	2.235	2.070
EXTREME SPREAD	:	3.660	2.617	2.070
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.345	1.181	1.230
MINIMUM X	:	-1.473	-1.025	-.976
MAXIMUM Y	:	1.379	1.194	1.000
MINIMUM Y	:	-1.708	-1.555	-1.264
CENTROID X	:	.434	.598	.549
CENTROID Y	:	.153	-.000	.194
POA TO CENTROID in.	:	.460	.598	.582
MIN RADIUS	:	.162	.316	.155
MEAN RADIUS	:	1.201	1.108	1.022
MAX RADIUS	:	2.018	1.645	1.597
HORIZONTAL SPREAD	:	2.818	2.206	2.206
VERTICAL SPREAD	:	3.087	2.749	2.264
EXTREME SPREAD	:	3.694	3.126	3.126
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.092	.962	.977
MINIMUM X	:	-1.174	-1.304	-1.289
MAXIMUM Y	:	1.743	1.523	1.249
MINIMUM Y	:	-1.981	-1.822	-1.632
CENTROID X	:	-.090	.040	.025
CENTROID Y	:	-.154	.066	-.124
POA TO CENTROID in.	:	.178	.078	.127
MIN RADIUS	:	.594	.540	.588
MEAN RADIUS	:	1.308	1.169	1.116
MAX RADIUS	:	2.301	1.877	1.689
HORIZONTAL SPREAD	:	2.266	2.266	2.266
VERTICAL SPREAD	:	3.724	3.345	2.881
EXTREME SPREAD	:	3.985	3.393	3.153
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	