

10 REM \*\*\*\*\* CLIMOBGRAMA \*\*\*\*\*

20 REM \*\*\* ANGEL GARCIA DELGADO \*\*\*\*\*

30 REM \*\*\*\*\* G.T.S. \*\*\*\*\*

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40 REM
50 MODE 0:INK 0,26:INK 1,0:INK 2,8
60 PAPER 0:BORDER 26:PEN 1:CLS
70 ORIGIN 316,200
80 DEG
90 FOR A=0 TO 360 STEP 5
100 PLOT 170*COS(A),40*SIN(A),2
110 DRAW 100*COS(A),80*SIN(A)
120 SOUND 1,A,1,15
130 NEXT A
140 PRINT CHR$(22)+CHR$(1)
150 PEN 1
160 LOCATE 6,13:PRINT "CLIMOGRAMA"
170 INK 2,8,26
180 FOR A=0 TO 500
190 SOUND 1,A,1,15
200 SOUND 2,A+5,1,15
210 SOUND 3,500-A,1,15
220 NEXT A
230 FOR A=0 TO 1000:NEXT A
240 MODE 1
250 PEN 1:PRINT " ESTE PROGRAMA DIBUJA UNA GRAFICA"
260 PRINT " ":PRINT " (" ;PEN 2:PRINT"CLIMOGRAMA";:PEN 1:PRINT") CON LAS LLUVI
AS"
270 PRINT " ":PRINT " Y TEMPERATURAS DE TODO EL ANNO"
280 PRINT " ":PRINT " ":PRINT" EL GRAFICO DE BARRAS REPRESENTA"
290 PRINT " ":PRINT" LAS PRECIPITACIONES EN mm/m^2 (ROJO)"
300 PRINT " ":PRINT" ":PRINT" EL GRAFICO DE LINEAS (AZUL) REPRESENTA"
310 PRINT " ":PRINT" LAS TEMPERATURAS EN GRADOS CENTIGRADOS"
320 PRINT " ":PRINT " ":PRINT" ":PEN 2:PRINT " INTRODUCE LOS DATOS. POR FAVOR
."
330 PEN 1:WINDOW #1,1,40,23,25
340 DIM D(12,2)
350 DATA ENERO,FEBRERO,MARZO,ABRIL,MAYO,JUNIO,JULIO,AGOSTO,SEPTIEMBRE,OCTUBRE,NO
VIEMBRE,DICIEMBRE
360 RESTORE 350
370 CLS#1:PRINT#1," ":PRINT#1,"***** TEMPERATURAS *****"
380 SOUND 1,200,100,15
390 FOR A=1 TO 1500:NEXT A
400 FOR A=1 TO 12:READ M$
410 CLS #1:PRINT #1,"TEMPERATURA DEL MES DE ";M$:PRINT#1," "
420 INPUT #1,D(A,1):IF D(A,1)<0 OR D(A,1)>55 THEN SOUND 1,478,50,15:GOTO 410
430 SOUND 1,200,5,15
440 NEXT A
450 CLS#1:PRINT#1," ":PRINT#1,"***** PRECIPITACIONES *****"
460 SOUND 1,100,200,15:FOR A=1 TO 1500:NEXT A
470 RESTORE 350:FOR A=1 TO 12:READ M$
480 CLS#1:PRINT#1,"PRECIPITACIONES MES DE ";M$
490 PRINT#1," ":INPUT#1,D(A,2)
500 IF D(A,2)<0 OR D(A,2)>55 THEN SOUND 1,478,50,15:GOTO 480
510 NEXT A
520 MODE 1:INK 1,0:INK 2,6:INK 3,14
530 PEN 2:PRINT"MES: TEMPERATURA: PRECIPITACIONES:"
540 PEN 1
550 RESTORE 350
560 M=0:P=0
570 FOR A=1 TO 12
580 READ M$:PRINT M$;TAB(13);D(A,1);TAB(26);D(A,2)
590 M=M+D(A,1):P=P+D(A,2)
600 NEXT A
610 PRINT " ":PEN 2:PRINT "MEDIA ANUAL: ";M/12
620 PRINT " "
630 PEN 3:PRINT "TOTAL PRECIPITACIONES: ";P
640 PRINT " ":PRINT" ":PRINT"PULSA -G- PARA VER LA GRAFICA >>>"
650 IF INKEY(52)<>0 THEN 650
660 SOUND 1,100,50,15
670 MODE 1
680 PEN 1

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690 LOCATE 10,25:PRINT "E F M A M J J A S O N D"
700 ORIGIN 128,25
710 PLOT 0,0,1:DRAWR 0,350:PLOT 0,0
720 DRAWR 399,0:DRAWR 0,350
730 K=350/550:FOR A=0 TO 500 STEP 50
740 B=A*K
750 MOVE -70,B+4:TAG:PRINT A/10;:MOVE 420,B+4:PRINT A;:TAGOFF
760 PLOT -8,B:DRAWR B,0:PLOT 400,B:DRAWR B,0
770 NEXT A
780 PEN 3:LOCATE 3,2:PRINT " 'C":LOCATE 35,2:PEN 2:PRINT "mm/m^2"
790 ORIGIN 128,26
800 FOR A=1 TO 12
810 FOR B=0 TO D(A,2):PLOT (32*A)-24,B*K,2:DRAWR 2B,0:NEXT B
820 NEXT A
830 X=24:Y=D(1,1)*10*K
840 PLOT X+1,Y,1:PLOT X+2,Y:PLOT X+3,Y
850 PLOT X+1,Y+2:PLOT X+2,Y+2:PLOT X+3,Y+2
860 FOR A=2 TO 12
870 X=(32*A)-8:Y=D(A,1)*K*10
880 DRAW X,Y,3
890 PLOT X+1,Y,1:PLOT X+2,Y:PLOT X+3,Y
900 PLOT X+1,Y+1:PLOT X+2,Y+1:PLOT X+3,Y+1
910 PLOT X+1,Y+2:PLOT X+2,Y+2:PLOT X+3,Y+2
920 NEXT A
930 LOCATE 13,1:PRINT "OTRA GRAFICA (S/N)"
940 IF INKEY(60)=0 THEN RUN 240
950 IF INKEY(46)=0 THEN CALL 0
955 A$=INKEY$
960 GOTD 940
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