

HP-41C Data Handling Routines 1 by Art Borron
PPC Calculator Journal V9 N4 P42 May-Jul 1982
CFL and CND: V9 N4 P70 Data Handling Routines

```
01 LBL "EDN" ;Edit Numeric Data
02 XEQ "GET" ;Access File by Name (Line 21)
03 INT
04 LASTX
05 FRC
06 "REG?"
07 PROMPT
08 +
09 STO L
10 LBL 10
11 RCL IND L
12 ENTER
13 STOP
14 X#Y?
15 STO IND L
16 ISG L
17 GTO 10
18 CLX
19 TONE 6
20 RTN
21 LBL "GET" ;Access File by Name
22 21.026
23 15.02
24 AON
25 "GET?"
26 STOP
27 AOFF
28 R^
29 ASTO X
30 LBL 11
31 RCL IND Z
32 X=Y?
33 GTO 12
34 RDN
35 ISG Y
36 "" ;F0=null string (NOP)
37 ISG Z
38 GTO 11
39 TONE 3
40 " ERROR"
41 PROMPT
42 RTN
43 LBL 12
44 CLA
45 RDN
46 RDN
47 RCL IND X
48 ARCL IND Z
49 XROM 10,07 ;VA - PPC ROM View Alpha
50 TONE 6
51 RTN
52 LBL "DLT" ;Delete Item from File
53 XEQ "GET" ;Access File by Name (Line 21)
54 STO L
55 "DELETE?"
56 PROMPT
57 LBL 13
58 RCL IND L
59 X=Y?
60 GTO 14
61 STO IND Z
62 RDN
63 ISG Y
64 "" ;F0
65 ISG L
66 GTO 13
```

```

67 XEQ "CND" ;Condense - V9 N4 P70 Line 116
68 CLD
69 RTN
70 LBL 14
71 RDN
72 E-3
73 ST- IND T
74 RDN
75 ISG L
76 GTO 13
77 XEQ "CND" ;Condense - V9 N4 P70 Line 116
78 RTN
79 LBL "INS" ;Insert Data into File
80 XEQ "GET" ;Access File by Name (Line 21)
81 E-3
82 ST+ IND Z
83 RDN
84 RDN
85 STO M
86 CLD
87 XEQ "CND" ;Condense - V9 N4 P70 Line 116
88 RCL M
89 RCL IND X
90 INT
91 LASTX
92 FRC
93 "REG?"
94 PROMPT
95 +
96 ENTER
97 ENTER
98 INT
99 ST- Y
100 ENTER
101 ENTER
102 E3
103 R^
104 *
105 -
106 CHS
107 1
108 ST+ Z
109 +
110 XROM 20,39 ;BM - PPC ROM Block Move
111 RDN
112 RCL IND X
113 STOP
114 STO IND Z
115 TONE 6
116 RTN
117 LBL "DSP" ;Display a Register
118 INT
119 LASTX
120 FRC
121 "REG?"
122 PROMPT
123 +
124 XROM 20,07 ;BV - PPC ROM Block View
125 RTN
126 LBL "CPY" ;Copy a Data Item
127 RCL Y
128 ENTER
129 INT
130 -
131 E-3
132 ST+ Y
133 /
134 R^
135 INT
136 -

```

```

137 XROM 20,39 ;BM - PPC ROM Block Move
138 RTN
139 LBL "CRA" ;Create File Alpha
140 .
141 XEQ "CFL" ;Create File - V9 N4 P70 Line 259
142 LBL "UPA" ;Update File Alpha
143 AON
144 RCL 13
145 RCL IND X
146 FRC
147 E3
148 *
149 ISG X
150 LBL 16
151 STOP
152 ASTO IND X
153 E-3
154 ST+ IND Z
155 RDN
156 ISG X
157 "" ;F0=null string (NOP)
158 GTO 16
159 RTN
160 LBL "EDA" ;Edit File Alpha
161 INT
162 LASTX
163 FRC
164 "REG?"
165 PROMPT
166 +
167 STO L
168 LBL 15
169 RCL IND L
170 ENTER
171 CLA
172 ARCL X
173 AON
174 STOP
175 ASTO X
176 X#Y?
177 STO IND L
178 ISG L
179 GTO 15
180 TONE 6
181 RTN
182 END

```

```

017AC000F40045444E1EF3474554687669F45245473F8E4091
740B90F483847991F49674BB00779F0685C000F40047455412
111A1012160011151A10128CF44745543F848B749A730C90F1
78BD00759672F09671BC009F03F6204552524F528E850D8775
7590F39BF1A2879F0685C000F400444C541EF34745549174F7
44454C4554453F8E0E90F478BF0091F1759672F09674BE001E
F3434E447F850F751B1C1393F0759674BE001EF3434E4485C0
00F400494E531EF34745541B1C1392F1757591757F1EF3434E
44907590F3687669F45245473F8E40838368937283831B1374
42415411927140A5277590F38491F19F0685C000F400445350
687669F45245473F8E40A50785C000F4004350599072836841
1B1C13927243746841A52785C000F4004352411A1EF343464C
C000F4005550418C2D90F3691B13429673CF10849AF31B1C13
92F1759673F0D0001085C000F400454441687669F45245473F
8E409174CF0F90F483879B738C849A737991F49674D0000F9F
0685C0000D8D

```

378 BYTES

HP-41C Data Handling Routines 2 by Art Borron
PPC Calculator Journal V9 N4 P42 May-Jul 1982
CFL is from: V9 N4 P70 Data Handling Routines

```
01 LBL "SIG" ;Evaluate Least Squares
02 STO L
03 CLST
04 1
05 RCL L
06 SREG 00 ;SigmaREG
07 CLS ;CLSigma
08 LBL 00
09 RCL IND X
10 FC? 00
11 LN
12 RCL Z
13 S+ ;Sigma+
14 RDN
15 RDN
16 ISG Y
17 "" ;F0=null string (NOP)
18 ISG X
19 GTO 00
20 LBL "AA" ;Calculation Routine
21 RCL 05
22 RCL 01
23 RCL 00
24 RCL 00
25 XEQ 02
26 STO 07
27 RCL 02
28 RCL 01
29 RCL 00
30 RCL 04
31 XEQ 02
32 RCL 07
33 /
34 STO 08
35 FC? 00
36 E^X
37 STO 11
38 RCL 05
39 RCL 04
40 RCL 00
41 RCL 02
42 XEQ 02
43 RCL 07
44 /
45 STO 12
46 RCL 08
47 RCL 02
48 *
49 RCL 12
50 RCL 04
51 *
52 +
53 RCL 02
54 X^2
55 RCL 05
56 /
57 STO 10
58 -
59 RCL 03
60 RCL 10
61 -
62 /
63 STO 10
64 LBL "BB" ;Display Parameters R2, a, b
65 RCL 10
66 "R2"
```

```

67 XEQ 01
68 RCL 11
69 "a " ;Letter a, 1 space
70 XEQ 01
71 RCL 12
72 "b " ;Letter b, 1 space
73 TONE 6
74 LBL 01
75 ">" = " ;Append 1 space, equal sign, 1 space
76 ARCL X
77 AVIEW
78 FC? 55
79 STOP
80 RTN
81 LBL 02
82 *
83 RDN
84 *
85 RCL Z
86 -
87 RTN
88 LBL "Y=" ;Extrapolation Routine
89 .
90 XEQ "CFL" ;Create File - V9 N4 P70 Line 259
91 LBL 03
92 RCL Y
93 INT
94 RCL 12
95 *
96 FC? 00
97 E^X
98 RCL 11
99 FS? 00
100 +
101 FC? 00
102 *
103 STO IND Y
104 E-3
105 ST+ IND 13
106 RDN
107 RDN
108 ISG X
109 "" ;F0=null string (NOP)
110 ISG Y
111 GTO 03
112 RTN
113 LBL "PLOT" ;Plot Numeric Data File
114 STO 12
115 ASTO 11
116 XROM 20,41 ;BX - PPC ROM Block Exchange
117 FC? 00
118 LN
119 STO 00
120 STO 04
121 RDN
122 FC? 00
123 LN
124 STO 01
125 .
126 STO 03
127 1
128 STO 08
129 STO 10
130 RCL 12
131 ENTER
132 INT
133 STO T
134 -
135 E-3
136 ST+ Y

```

```

137 /
138 R^
139 -
140 STO 09
141 XROM 29,15 ;PRPLOT
142 XROM 20,24 ;LG - PPC ROM PPC Logo
143 XROM 20,51 ;PO - PPC ROM Paper Out
144 RTN
145 LBL "CPI" ;Consumer Price Index
146 RCL IND 12
147 FC? 00
148 LN
149 ISG 12
150 "" ;F0=null string (NOP)
151 RTN
152 END

```

```

00FBC000F4005349479174731190749900700190F3AD005090
714775759672F09673B100C000F300414125212020E0000237
22212024E00002274338AD00553B25242022E0000227433C28
22422C244240225125433A41232A41433AC000F30042422AF2
5232E000012BF26120E000012CF262209F0602F47F203D209B
737EAD3784850342754290714185C000F300593D1A1EF34346
4C049072682C42AD00552BAC0040AD004291F21B1C13928D75
759673F09672B40085C000F500504C4F543C9A0BA529AD0050
303475AD0050311A3311383A2C83689170411B1C1392724374
4139A74FA518A53385C000F400435049908CAD0050960CF085
C0000D4E

```

```

251 BYTES

```

HP-41C Data Handling Routines 3 by Art Borron
PPC Calculator Journal V9 N4 P42 May-Jul 1982

```
01 LBL "PRT" ;Information Printing Routine
02 CF 01
03 CF 02
04 CF 03
05 LBL 00
06 SF 03
07 XEQ 01
08 XROM 29,08 ;PRA
09 ISG X
10 SF 03
11 XEQ 01
12 XROM 29,08 ;PRA
13 ISG X
14 SF 02
15 XEQ 01
16 XROM 29,08 ;PRA
17 ADV
18 ISG X
19 GTO 00
20 XROM 20,24 ;LG - PPC ROM PPC Logo
21 XROM 20,51 ;PO - PPC ROM Paper Out
22 RTN
23 LBL 01
24 CLA
25 ARCL IND X
26 FS?C 01
27 RTN
28 ISG X
29 ARCL IND X
30 FS?C 02
31 RTN
32 ISG X
33 ARCL IND X
34 FS?C 03
35 RTN
36 ISG X
37 ARCL IND X
38 RTN
39 END
```

004EC000F400505254A901A902A90301A803E00001A7489673
A803E00001A7489673A802E00001A7488F9673B100A518A533
8502879BF3AA018596739BF3AA028596739BF3AA038596739B
F385C0000DA0

78 BYTES

HP-41C File Handling Routines 1 by Art Borron PPC V9 N4 P42 May-Jul 1982

Program Registers Needed: 54

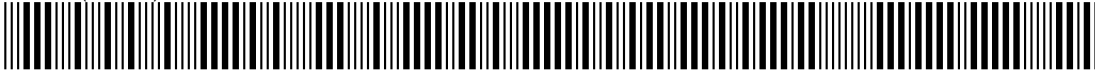
Row 1 (1 - 3)



Row 2 (4 - 11)



Row 3 (11 - 19)



Row 4 (20 - 22)



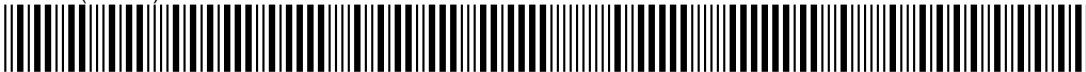
Row 5 (22 - 25)



Row 6 (26 - 35)



Row 7 (35 - 40)



Row 8 (40 - 49)



Row 9 (49 - 53)



Row 10 (53 - 55)



Row 11 (56 - 64)



Row 12 (65 - 71)



Row 13 (72 - 77)



Row 14 (77 - 80)



Row 15 (80 - 87)



Row 16 (87 - 93)



HP-41C File Handling Routines 1 by Art Borron PPC V9 N4 P42 May-Jul 1982

Row 17 (93 - 102)



Row 18 (102 - 112)



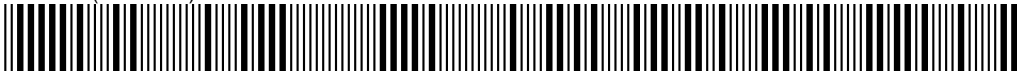
Row 19 (112 - 117)



Row 20 (117 - 124)



Row 21 (125 - 130)



Row 22 (131 - 139)



Row 23 (139 - 142)



Row 24 (142 - 147)



Row 25 (148 - 154)



Row 26 (155 - 160)



Row 27 (160 - 167)



Row 28 (167 - 175)



Row 29 (176 - 182)



Row 30 (182)



HP-41C Data Handling Routines 2 by Art Borron PPC V9 N4 P42 May-Jul 1982

Program Registers Needed: 36

Row 1 (1 - 5)



Row 2 (6 - 14)



Row 3 (15 - 20)



Row 4 (20 - 30)



Row 5 (31 - 40)



Row 6 (41 - 51)



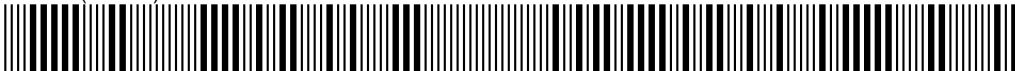
Row 7 (52 - 64)



Row 8 (64 - 68)



Row 9 (69 - 74)



Row 10 (75 - 81)



Row 11 (82 - 88)



Row 12 (89 - 96)



Row 13 (96 - 104)



Row 14 (104 - 112)



Row 15 (113 - 116)



Row 16 (117 - 127)



HP-41C Data Handling Routines 2 by Art Borron PPC V9 N4 P42 May-Jul 1982

Row 17 (128 - 136)



Row 18 (137 - 145)



Row 19 (145 - 150)



Row 20 (151 - 152)



HP-41C Data Handling Routines 3 by Art Borron PPC V9 N4 P42 May-Jul 1982

Program Registers Needed: 12

Row 1 (1 - 4)



Row 2 (5 - 11)



Row 3 (11 - 16)



Row 4 (17 - 25)



Row 5 (25 - 32)



Row 6 (33 - 39)

