

Tested 9/19/23 *myj13*

```
1, SciDos>u4stalk 0 19200 0
2 U4STALK: Program Version 1.1
3 Version 8.7 UNRELEASED DEVELOPMENT NONAUTOMATED BUILD
4 Using uart port 0 at 19200 baud
5 Raising a total of 1 bit(s):
6 0
7 -----
8 Opening port 0:SBMB:J0
9 19200 baud, N81, line buf: 0, no input data timeout(secs): disabled
10 in queue size: 204800, out queue size: 2048
11 sci_uart_drain_input():
12
13 sci_uart_drain_input:Drained 0 chars
14 bit_shared_open(): bit(0) is already open.
15 Bit(0) use count is now 2.
16 bit_shared_raise(): Raising bit(0).
17 All the setup is done. Beginning emulation....
18 To exit this program:
19 Drop Carrier Detect for 3 seconds (i.e. unpower freewave)
20 --or--Type Ctrl-C and hit NO keys for 1 secs.
21 -----
22 99/99/99          99:99:99          695      144      700      4130      460      192      537
23 99/99/99          99:99:99          695      143      700      4130      460      193      537
24
25 Ser FLBBCDSL-8429
26 Ver TripletD 4.07
27 Ave 19
28 Pkt 0
29
30 99/99/99          99:99:99          695      50      700      240      460      50      535
31 99/99/99          99:99:99          695      52      700      281      460      60      535
32 99/99/99          99:99:99          695      48      700      241      460      51      535
33 99/99/99          99:99:99          695      50      700      237      460      50      535
34 99/99/99          99:99:99          695      49      700      242      460      50      535
35 99/99/99          99:99:99          695      3744      700      3865      460      3870      535
36 99/99/99          99:99:99          695      4130      700      4088      460      4130      535
37 99/99/99          99:99:99          695      4130      700      3927      460      4130      534
38 99/99/99          99:99:99          695      4130      700      3590      460      4130      534
39 99/99/99          99:99:99          695      4130      700      3374      460      4130      534
40 99/99/99          99:99:99          695      4130      700      3300      460      4130      534
41 99/99/99          99:99:99          695      46      700      238      460      49      534
42 99/99/99          99:99:99          695      49      700      239      460      50      534
43 99/99/99          99:99:99          695      47      700      222      460      52      534
44 99/99/99          99:99:99          695      50      700      238      460      54      534
45 99/99/99          99:99:99          695      45      700      272      460      52      534
46 99/99/99          99:99:99          695      47      700      251      460      53      534
47
48 Heard exit char, Leaving emulation_loop()
49 sci_uart_close(): Closing SBMB:J0
50 Restoring bit[s] to initial state.
51 Lowering bit: 0
52 Bit(0) raise count is now 0.
53 bit_shared_close(): bit(0) is still in use.
54 Bit(0) use count is now 1.
55 return 0; from main()
56 -----
57
58
59 SciDos>
60
61
62
63
64 GliderLAB I -3 >loadmission sci_on.mi
65
66 load_mission(): Opening Mission file: SCI_ON.MI
67 Setting SENSOR c_science_on(enum) value 3.000000
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68 Setting SENSOR c_science_all_on(secs) value 0.000000
69 Setting SENSOR c_science_send_all(bool) value 1.000000
70 Setting SENSOR u_use_ctd_depth_for_flying(bool) value 0.000000
71
72
73 GliderLAB I -3 > 1012 66 Sent science:s:c_flbbcd_on(sec) 0-
74 1012 Sent science:s:c_science_send_all(bool) 1-
75 1012 Sent science:s:m_cycle_number(nodim) 266-
76 1014 science wrote:sci_m_present_secs_into_mission(sec) 1014.56146240234
77 1014 science wrote:sci_m_present_time(timestamp) 1695151716.56146
78 1016 science wrote:sci_flbbcd_bb_ref(nodim) 700
79 1016 science wrote:sci_flbbcd_bb_sig(nodim) 4130
80 1016 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
81 1016 science wrote:sci_flbbcd_cdom_ref(nodim) 460
82 1016 science wrote:sci_flbbcd_cdom_sig(nodim) 287
83 1016 science wrote:sci_flbbcd_cdom_units(ppb) 22.056
84 1016 science wrote:sci_flbbcd_chlor_ref(nodim) 695
85 1016 science wrote:sci_flbbcd_chlor_sig(nodim) 125
86 1016 science wrote:sci_flbbcd_chlor_units(ug/l) 1.071
87 1017 67 science wrote:sci_flbbcd_therm(nodim) 535
88 1017 science wrote:sci_flbbcd_bb_ref(nodim) 700
89 1017 science wrote:sci_flbbcd_bb_sig(nodim) 4130
90 1017 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
91 1017 science wrote:sci_flbbcd_cdom_ref(nodim) 460
92 1017 science wrote:sci_flbbcd_cdom_sig(nodim) 245
93 1017 science wrote:sci_flbbcd_cdom_units(ppb) 18.1962
94 1017 science wrote:sci_flbbcd_chlor_ref(nodim) 695
95 1017 science wrote:sci_flbbcd_chlor_sig(nodim) 101
96 1017 Sent science:s:m_cycle_number(nodim) 267-
97 1017 science wrote:sci_flbbcd_chlor_units(ug/l) 0.7854
98 1017 science wrote:sci_flbbcd_therm(nodim) 535
99 1017 science wrote:sci_flbbcd_bb_ref(nodim) 700
100 1018 science wrote:sci_flbbcd_bb_sig(nodim) 4126
101 1018 science wrote:sci_flbbcd_bb_units(nodim) 0.014359194
102 1018 science wrote:sci_flbbcd_cdom_ref(nodim) 460
103 1018 science wrote:sci_flbbcd_cdom_sig(nodim) 219
104 1018 science wrote:sci_flbbcd_cdom_units(ppb) 15.8068
105 1018 science wrote:sci_flbbcd_chlor_ref(nodim) 695
106 1018 science wrote:sci_flbbcd_chlor_sig(nodim) 87
107 1018 science wrote:sci_flbbcd_chlor_units(ug/l) 0.6188
108 1018 science wrote:sci_flbbcd_therm(nodim) 535
109 1018 science wrote:sci_m_present_secs_into_mission(sec) 1018.56201171875
110 1018 science wrote:sci_m_present_time(timestamp) 1695151720.56201
111 1019 science wrote:sci_flbbcd_bb_ref(nodim) 700
112 1019 science wrote:sci_flbbcd_bb_sig(nodim) 274
113 1019 science wrote:sci_flbbcd_bb_units(nodim) 0.00079245
114 1019 science wrote:sci_flbbcd_cdom_ref(nodim) 460
115 1019 science wrote:sci_flbbcd_cdom_sig(nodim) 47
116 1019 science wrote:sci_flbbcd_cdom_units(ppb) 0
117 1019 science wrote:sci_flbbcd_chlor_ref(nodim) 695
118 1019 science wrote:sci_flbbcd_chlor_sig(nodim) 48
119 1019 science wrote:sci_flbbcd_chlor_units(ug/l) 0.1547
120 1019 science wrote:sci_flbbcd_therm(nodim) 534
121 1020 science wrote:sci_flbbcd_bb_ref(nodim) 700
122 1020 science wrote:sci_flbbcd_bb_sig(nodim) 215
123 1020 science wrote:sci_flbbcd_bb_units(nodim) 0.000584652
124 1020 science wrote:sci_flbbcd_cdom_ref(nodim) 460
125 1020 science wrote:sci_flbbcd_cdom_sig(nodim) 51
126 1020 science wrote:sci_flbbcd_cdom_units(ppb) 0.3676
127 1020 science wrote:sci_flbbcd_chlor_ref(nodim) 695
128 1020 science wrote:sci_flbbcd_chlor_sig(nodim) 45
129 1020 science wrote:sci_flbbcd_chlor_units(ug/l) 0.119
130 1020 science wrote:sci_flbbcd_therm(nodim) 534
131 1021 68 Sent science:s:m_cycle_number(nodim) 268-
132 1021 science wrote:sci_flbbcd_bb_ref(nodim) 700
133 1021 science wrote:sci_flbbcd_bb_sig(nodim) 212
134 1021 science wrote:sci_flbbcd_bb_units(nodim) 0.000574086

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| 135 | 1021 | science wrote:sci_flbbcd_cdom_ref(nodim) 460 |
| 136 | 1021 | science wrote:sci_flbbcd_cdom_sig(nodim) 50 |
| 137 | 1021 | science wrote:sci_flbbcd_cdom_units(ppb) 0.2757 |
| 138 | 1021 | science wrote:sci_flbbcd_chlor_ref(nodim) 695 |
| 139 | 1021 | science wrote:sci_flbbcd_chlor_sig(nodim) 48 |
| 140 | 1021 | science wrote:sci_flbbcd_chlor_units(ug/l) 0.1547 |
| 141 | 1021 | science wrote:sci_flbbcd_therm(nodim) 534 |
| 142 | 1022 | science wrote:sci_flbbcd_bb_ref(nodim) 700 |
| 143 | 1022 | science wrote:sci_flbbcd_bb_sig(nodim) 213 |
| 144 | 1022 | science wrote:sci_flbbcd_bb_units(nodim) 0.000577608 |
| 145 | 1022 | science wrote:sci_flbbcd_cdom_ref(nodim) 460 |
| 146 | 1022 | science wrote:sci_flbbcd_cdom_sig(nodim) 51 |
| 147 | 1022 | science wrote:sci_flbbcd_cdom_units(ppb) 0.3676 |
| 148 | 1022 | science wrote:sci_flbbcd_chlor_ref(nodim) 695 |
| 149 | 1022 | science wrote:sci_flbbcd_chlor_sig(nodim) 48 |
| 150 | 1022 | science wrote:sci_flbbcd_chlor_units(ug/l) 0.1547 |
| 151 | 1022 | science wrote:sci_flbbcd_therm(nodim) 534 |
| 152 | 1022 | science wrote:sci_m_present_secs_into_mission(sec) 1022.5881652832 |
| 153 | 1022 | science wrote:sci_m_present_time(timestamp) 1695151724.58816 |
| 154 | 1023 | science wrote:sci_flbbcd_bb_ref(nodim) 700 |
| 155 | 1023 | science wrote:sci_flbbcd_bb_sig(nodim) 213 |
| 156 | 1023 | science wrote:sci_flbbcd_bb_units(nodim) 0.000577608 |
| 157 | 1023 | science wrote:sci_flbbcd_cdom_ref(nodim) 460 |
| 158 | 1023 | science wrote:sci_flbbcd_cdom_sig(nodim) 49 |
| 159 | 1023 | science wrote:sci_flbbcd_cdom_units(ppb) 0.1838 |
| 160 | 1023 | science wrote:sci_flbbcd_chlor_ref(nodim) 695 |
| 161 | 1023 | science wrote:sci_flbbcd_chlor_sig(nodim) 46 |
| 162 | 1023 | science wrote:sci_flbbcd_chlor_units(ug/l) 0.1309 |
| 163 | 1023 | science wrote:sci_flbbcd_therm(nodim) 534 |
| 164 | 1024 | science wrote:sci_flbbcd_bb_ref(nodim) 700 |
| 165 | 1024 | science wrote:sci_flbbcd_bb_sig(nodim) 1106 |
| 166 | 1024 | science wrote:sci_flbbcd_bb_units(nodim) 0.003722754 |
| 167 | 1024 | science wrote:sci_flbbcd_cdom_ref(nodim) 460 |
| 168 | 1024 | science wrote:sci_flbbcd_cdom_sig(nodim) 666 |
| 169 | 1024 | science wrote:sci_flbbcd_cdom_units(ppb) 56.8861 |
| 170 | 1024 | science wrote:sci_flbbcd_chlor_ref(nodim) 695 |
| 171 | 1024 | science wrote:sci_flbbcd_chlor_sig(nodim) 144 |
| 172 | 1024 | science wrote:sci_flbbcd_chlor_units(ug/l) 1.2971 |
| 173 | 1025 | science wrote:sci_flbbcd_therm(nodim) 534 |
| 174 | 1025 | 69 Sent science:s:m_cycle_number(nodim) 269- |
| 175 | 1025 | science wrote:sci_flbbcd_bb_ref(nodim) 700 |
| 176 | 1025 | science wrote:sci_flbbcd_bb_sig(nodim) 4130 |
| 177 | 1025 | science wrote:sci_flbbcd_bb_units(nodim) 0.014373282 |
| 178 | 1025 | science wrote:sci_flbbcd_cdom_ref(nodim) 460 |
| 179 | 1025 | science wrote:sci_flbbcd_cdom_sig(nodim) 4130 |
| 180 | 1026 | science wrote:sci_flbbcd_cdom_units(ppb) 375.2277 |
| 181 | 1026 | science wrote:sci_flbbcd_chlor_ref(nodim) 695 |
| 182 | 1026 | science wrote:sci_flbbcd_chlor_sig(nodim) 4130 |
| 183 | 1026 | science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305 |
| 184 | 1026 | science wrote:sci_flbbcd_therm(nodim) 534 |
| 185 | 1026 | science wrote:sci_m_present_secs_into_mission(sec) 1026.56637573242 |
| 186 | 1026 | science wrote:sci_m_present_time(timestamp) 1695151728.56638 |
| 187 | 1027 | science wrote:sci_flbbcd_bb_ref(nodim) 700 |
| 188 | 1027 | science wrote:sci_flbbcd_bb_sig(nodim) 4130 |
| 189 | 1027 | science wrote:sci_flbbcd_bb_units(nodim) 0.014373282 |
| 190 | 1027 | science wrote:sci_flbbcd_cdom_ref(nodim) 460 |
| 191 | 1027 | science wrote:sci_flbbcd_cdom_sig(nodim) 4130 |
| 192 | 1027 | science wrote:sci_flbbcd_cdom_units(ppb) 375.2277 |
| 193 | 1027 | science wrote:sci_flbbcd_chlor_ref(nodim) 695 |
| 194 | 1027 | science wrote:sci_flbbcd_chlor_sig(nodim) 4130 |
| 195 | 1027 | science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305 |
| 196 | 1027 | science wrote:sci_flbbcd_therm(nodim) 534 |
| 197 | 1028 | science wrote:sci_flbbcd_bb_ref(nodim) 700 |
| 198 | 1028 | science wrote:sci_flbbcd_bb_sig(nodim) 4130 |
| 199 | 1028 | science wrote:sci_flbbcd_bb_units(nodim) 0.014373282 |
| 200 | 1028 | science wrote:sci_flbbcd_cdom_ref(nodim) 460 |
| 201 | 1028 | science wrote:sci_flbbcd_cdom_sig(nodim) 4130 |

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| 202 | 1028 | science wrote:sci_flbbcd_cdom_units(ppb) 375.2277 |
| 203 | 1028 | science wrote:sci_flbbcd_chlor_ref(nodim) 695 |
| 204 | 1028 | science wrote:sci_flbbcd_chlor_sig(nodim) 4130 |
| 205 | 1028 | science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305 |
| 206 | 1028 | science wrote:sci_flbbcd_therm(nodim) 533 |
| 207 | 1029 70 | science wrote:sci_flbbcd_bb_ref(nodim) 700 |
| 208 | 1029 | science wrote:sci_flbbcd_bb_sig(nodim) 4130 |
| 209 | 1029 | science wrote:sci_flbbcd_bb_units(nodim) 0.014373282 |
| 210 | 1029 | science wrote:sci_flbbcd_cdom_ref(nodim) 460 |
| 211 | 1029 | science wrote:sci_flbbcd_cdom_sig(nodim) 4130 |
| 212 | 1029 | science wrote:sci_flbbcd_cdom_units(ppb) 375.2277 |
| 213 | 1029 | science wrote:sci_flbbcd_chlor_ref(nodim) 695 |
| 214 | 1029 | science wrote:sci_flbbcd_chlor_sig(nodim) 4130 |
| 215 | 1029 | Sent science:s:m_cycle_number(nodim) 270- |
| 216 | 1029 | science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305 |
| 217 | 1029 | science wrote:sci_flbbcd_therm(nodim) 533 |
| 218 | 1030 | science wrote:sci_flbbcd_bb_ref(nodim) 700 |
| 219 | 1030 | science wrote:sci_flbbcd_bb_sig(nodim) 4130 |
| 220 | 1030 | science wrote:sci_flbbcd_bb_units(nodim) 0.014373282 |
| 221 | 1030 | science wrote:sci_flbbcd_cdom_ref(nodim) 460 |
| 222 | 1030 | science wrote:sci_flbbcd_cdom_sig(nodim) 4130 |
| 223 | 1030 | science wrote:sci_flbbcd_cdom_units(ppb) 375.2277 |
| 224 | 1030 | science wrote:sci_flbbcd_chlor_ref(nodim) 695 |
| 225 | 1030 | science wrote:sci_flbbcd_chlor_sig(nodim) 4130 |
| 226 | 1030 | science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305 |
| 227 | 1030 | science wrote:sci_flbbcd_therm(nodim) 533 |
| 228 | 1030 | science wrote:sci_m_present_secs_into_mission(sec) 1030.56478881836 |
| 229 | 1030 | science wrote:sci_m_present_time(timestamp) 1695151732.56479 |
| 230 | 1031 | science wrote:sci_flbbcd_bb_ref(nodim) 700 |
| 231 | 1031 | science wrote:sci_flbbcd_bb_sig(nodim) 4130 |
| 232 | 1031 | science wrote:sci_flbbcd_bb_units(nodim) 0.014373282 |
| 233 | 1031 | science wrote:sci_flbbcd_cdom_ref(nodim) 460 |
| 234 | 1031 | science wrote:sci_flbbcd_cdom_sig(nodim) 4130 |
| 235 | 1031 | science wrote:sci_flbbcd_cdom_units(ppb) 375.2277 |
| 236 | 1031 | science wrote:sci_flbbcd_chlor_ref(nodim) 695 |
| 237 | 1031 | science wrote:sci_flbbcd_chlor_sig(nodim) 4130 |
| 238 | 1031 | science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305 |
| 239 | 1031 | science wrote:sci_flbbcd_therm(nodim) 533 |
| 240 | 1032 | science wrote:sci_flbbcd_bb_ref(nodim) 700 |
| 241 | 1032 | science wrote:sci_flbbcd_bb_sig(nodim) 1534 |
| 242 | 1032 | science wrote:sci_flbbcd_bb_units(nodim) 0.00523017 |
| 243 | 1032 | science wrote:sci_flbbcd_cdom_ref(nodim) 460 |
| 244 | 1032 | science wrote:sci_flbbcd_cdom_sig(nodim) 1259 |
| 245 | 1032 | science wrote:sci_flbbcd_cdom_units(ppb) 111.3828 |
| 246 | 1032 | science wrote:sci_flbbcd_chlor_ref(nodim) 695 |
| 247 | 1032 | science wrote:sci_flbbcd_chlor_sig(nodim) 1490 |
| 248 | 1032 | science wrote:sci_flbbcd_chlor_units(ug/l) 17.3145 |
| 249 | 1032 | science wrote:sci_flbbcd_therm(nodim) 533 |
| 250 | 1033 71 | Sent science:s:m_cycle_number(nodim) 271- |
| 251 | 1033 | science wrote:sci_flbbcd_bb_ref(nodim) 700 |
| 252 | 1033 | science wrote:sci_flbbcd_bb_sig(nodim) 208 |
| 253 | 1033 | science wrote:sci_flbbcd_bb_units(nodim) 0.000559998 |
| 254 | 1033 | science wrote:sci_flbbcd_cdom_ref(nodim) 460 |
| 255 | 1033 | science wrote:sci_flbbcd_cdom_sig(nodim) 49 |
| 256 | 1033 | science wrote:sci_flbbcd_cdom_units(ppb) 0.1838 |
| 257 | 1033 | science wrote:sci_flbbcd_chlor_ref(nodim) 695 |
| 258 | 1033 | science wrote:sci_flbbcd_chlor_sig(nodim) 46 |
| 259 | 1033 | science wrote:sci_flbbcd_chlor_units(ug/l) 0.1309 |
| 260 | 1034 | science wrote:sci_flbbcd_therm(nodim) 533 |
| 261 | 1034 | science wrote:sci_m_present_secs_into_mission(sec) 1034.56573486328 |
| 262 | 1034 | science wrote:sci_m_present_time(timestamp) 1695151736.56574 |
| 263 | 1034 | science wrote:sci_flbbcd_bb_ref(nodim) 700 |
| 264 | 1034 | science wrote:sci_flbbcd_bb_sig(nodim) 209 |
| 265 | 1034 | science wrote:sci_flbbcd_bb_units(nodim) 0.00056352 |
| 266 | 1034 | science wrote:sci_flbbcd_cdom_ref(nodim) 460 |
| 267 | 1034 | science wrote:sci_flbbcd_cdom_sig(nodim) 49 |
| 268 | 1035 | science wrote:sci_flbbcd_cdom_units(ppb) 0.1838 |

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269      1035      science wrote:sci_flbbcd_chlor_ref(nodim) 695
270      1035      science wrote:sci_flbbcd_chlor_sig(nodim) 48
271      1035      science wrote:sci_flbbcd_chlor_units(ug/l) 0.1547
272      1035      science wrote:sci_flbbcd_therm(nodim) 533
273      1036      science wrote:sci_flbbcd_bb_ref(nodim) 700
274      1036      science wrote:sci_flbbcd_bb_sig(nodim) 210
275      1036      science wrote:sci_flbbcd_bb_units(nodim) 0.000567042
276      1036      science wrote:sci_flbbcd_cdom_ref(nodim) 460
277      1036      science wrote:sci_flbbcd_cdom_sig(nodim) 50
278      1036      science wrote:sci_flbbcd_cdom_units(ppb) 0.2757
279      1036      science wrote:sci_flbbcd_chlor_ref(nodim) 695
280      1036      science wrote:sci_flbbcd_chlor_sig(nodim) 49
281      1036      science wrote:sci_flbbcd_chlor_units(ug/l) 0.1666
282      1036      science wrote:sci_flbbcd_therm(nodim) 533
283      1037      science wrote:sci_flbbcd_bb_ref(nodim) 700
284      1037      science wrote:sci_flbbcd_bb_sig(nodim) 211
285      1037      science wrote:sci_flbbcd_bb_units(nodim) 0.000570564
286      1037      science wrote:sci_flbbcd_cdom_ref(nodim) 460
287      1037      science wrote:sci_flbbcd_cdom_sig(nodim) 49
288      1037      science wrote:sci_flbbcd_cdom_units(ppb) 0.1838
289      1037      science wrote:sci_flbbcd_chlor_ref(nodim) 695
290      1037 72 science wrote:sci_flbbcd_chlor_sig(nodim) 47
291      1037      science wrote:sci_flbbcd_chlor_units(ug/l) 0.1428
292      1037      science wrote:sci_flbbcd_therm(nodim) 533
293      1037      Sent science:s:m_cycle_number(nodim) 272-
294 loadmission sci_off.mi
295
296 load_mission(): Opening Mission file: SCI_OFF.MI
297 Setting SENSOR c_science_on(enum) value 1.000000
298 Setting SENSOR c_science_all_on(secs) value -1.000000
299 Setting SENSOR c_science_send_all(bool) value 0.000000
300 Setting SENSOR u_use_ctd_depth_for_flying(bool) value 0.000000
301
302
303 GliderLAB I -3 >

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