

Tested 9/19/23 MJB

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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      75      700      4130      460      234      538
23 99/99/99          99:99:99          695      72      700      4130      460      234      538
24 99/99/99          99:99:99          695      74      700      4130      460      234      537
25
26 Ser FLBBCDSLCL-8430
27 Ver TripletD 4.07
28 Ave 19
29 Pkt 0
30
31 99/99/99          99:99:99          695      76      700      4130      460      206      536
32 99/99/99          99:99:99          695      77      700      4130      460      206      535
33 99/99/99          99:99:99          695      69      700      4130      460      211      536
34 99/99/99          99:99:99          695      463      700      1315      460      1340      536
35 99/99/99          99:99:99          695      4130      700      4130      460      4130      535
36 99/99/99          99:99:99          695      4130      700      3001      460      4130      535
37 99/99/99          99:99:99          695      4130      700      3211      460      4130      535
38 99/99/99          99:99:99          695      4130      700      3816      460      4130      535
39 99/99/99          99:99:99          695      4130      700      4077      460      4130      535
40 99/99/99          99:99:99          695      2600      700      2713      460      2575      535
41 99/99/99          99:99:99          695      80      700      3323      460      126      535
42 99/99/99          99:99:99          695      117      700      4130      460      150      535
43 99/99/99          99:99:99          695      139      700      4130      460      153      535
44 99/99/99          99:99:99          695      143      700      4130      460      155      535
45 99/99/99          99:99:99          695      145      700      4130      460      154      535
46
47 Heard exit char, Leaving emulation_loop()
48 sci_uart_close(): Closing SBMB:J0
49 Restoring bit[s] to initial state.
50 Lowering bit: 0
51 Bit(0) raise count is now 0.
52 bit_shared_close(): bit(0) is still in use.
53 Bit(0) use count is now 1.
54 return 0; from main()
55 -----
56
57
58 SciDos>
59
60
61
62
63 GliderLAB I -3 >loadmission sci_on.mi
64
65 load_mission(): Opening Mission file: SCI_ON.MI
66 Setting SENSOR c_science_on(enum) value 3.000000
67 Setting SENSOR c_science_all_on(secs) value 0.000000
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68 Setting SENSOR c_science_send_all(bool) value 1.000000
69 Setting SENSOR u_use_ctd_depth_for_flying(bool) value 0.000000
70
71
72 GliderLAB I -3 >231.06 63 Sent science:s:c_flbbcd_on(sec) 0-
73 231.10 Sent science:s:c_science_send_all(bool) 1-
74 231.14 Sent science:s:m_cycle_number(nodim) 63-
75 231.56 science wrote:sci_flbbcd_bb_ref(nodim) 700
76 231.58 Sent science:sensor_num:sci_flbbcd_bb_ref(nodim) 1228-
77 231.65 science wrote:sci_flbbcd_bb_sig(nodim) 4130
78 231.68 Sent science:sensor_num:sci_flbbcd_bb_sig(nodim) 1229-
79 231.75 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
80 231.78 Sent science:sensor_num:sci_flbbcd_bb_units(nodim) 1230-
81 231.86 science wrote:sci_flbbcd_cdom_ref(nodim) 460
82 231.89 Sent science:sensor_num:sci_flbbcd_cdom_ref(nodim) 1231-
83 231.96 science wrote:sci_flbbcd_cdom_sig(nodim) 293
84 231.99 Sent science:sensor_num:sci_flbbcd_cdom_sig(nodim) 1232-
85 232.06 science wrote:sci_flbbcd_cdom_units(ppb) 22.6074
86 232.09 Sent science:sensor_num:sci_flbbcd_cdom_units(ppb) 1233-
87 232.31 science wrote:sci_flbbcd_chlor_ref(nodim) 695
88 232.34 Sent science:sensor_num:sci_flbbcd_chlor_ref(nodim) 1234-
89 232.41 science wrote:sci_flbbcd_chlor_sig(nodim) 67
90 232.43 Sent science:sensor_num:sci_flbbcd_chlor_sig(nodim) 1235-
91 232.50 science wrote:sci_flbbcd_chlor_units(ug/l) 0.3808
92 232.53 Sent science:sensor_num:sci_flbbcd_chlor_units(ug/l) 1236-
93 232.65 science wrote:sci_flbbcd_therm(nodim) 538
94 232.68 Sent science:sensor_num:sci_flbbcd_therm(nodim) 1238-
95 232.73 science wrote:sci_m_present_secs_into_mission(sec) 231.782440185547
96 232.76 science wrote:sci_m_present_time(timestamp) 1695150933.78244
97 233.91 science wrote:sci_flbbcd_bb_ref(nodim) 700
98 233.93 science wrote:sci_flbbcd_bb_sig(nodim) 4130
99 233.96 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
100 233.99 science wrote:sci_flbbcd_cdom_ref(nodim) 460
101 234.02 science wrote:sci_flbbcd_cdom_sig(nodim) 158
102 234.04 science wrote:sci_flbbcd_cdom_units(ppb) 10.2009
103 234.07 science wrote:sci_flbbcd_chlor_ref(nodim) 695
104 234.10 science wrote:sci_flbbcd_chlor_sig(nodim) 149
105 234.15 science wrote:sci_flbbcd_chlor_units(ug/l) 1.3566
106 234.18 Sent science:sensor_num:sci_flbbcd_chlor_units(ug/l) 1236-
107 234.25 science wrote:sci_flbbcd_therm(nodim) 537
108 234.27 Sent science:sensor_num:sci_flbbcd_therm(nodim) 1238-
109 235.00 science wrote:sci_flbbcd_bb_ref(nodim) 700
110 235.03 science wrote:sci_flbbcd_bb_sig(nodim) 4130
111 235.05 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
112 235.08 science wrote:sci_flbbcd_cdom_ref(nodim) 460
113 235.10 science wrote:sci_flbbcd_cdom_sig(nodim) 157
114 235.13 science wrote:sci_flbbcd_cdom_units(ppb) 10.109
115 235.16 science wrote:sci_flbbcd_chlor_ref(nodim) 695
116 235.18 science wrote:sci_flbbcd_chlor_sig(nodim) 149
117 235.61 64 science wrote:sci_flbbcd_chlor_units(ug/l) 1.3566
118 235.64 science wrote:sci_flbbcd_therm(nodim) 536
119 235.67 Sent science:s:m_cycle_number(nodim) 64-
120 235.81 science wrote:sci_m_present_secs_into_mission(sec) 235.777862548828
121 235.84 science wrote:sci_m_present_time(timestamp) 1695150937.77786
122 236.19 science wrote:sci_flbbcd_bb_ref(nodim) 700
123 236.21 science wrote:sci_flbbcd_bb_sig(nodim) 4130
124 236.24 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
125 236.26 science wrote:sci_flbbcd_cdom_ref(nodim) 460
126 236.29 science wrote:sci_flbbcd_cdom_sig(nodim) 152
127 236.32 science wrote:sci_flbbcd_cdom_units(ppb) 9.6495
128 236.34 science wrote:sci_flbbcd_chlor_ref(nodim) 695
129 236.37 science wrote:sci_flbbcd_chlor_sig(nodim) 142
130 236.45 science wrote:sci_flbbcd_chlor_units(ug/l) 1.2733
131 236.47 science wrote:sci_flbbcd_therm(nodim) 536
132 237.25 science wrote:sci_flbbcd_bb_ref(nodim) 700
133 237.27 science wrote:sci_flbbcd_bb_sig(nodim) 692
134 237.30 science wrote:sci_flbbcd_bb_units(nodim) 0.002264646

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135 237.33 science wrote:sci_flbbcd_cdom_ref(nodim) 460
136 237.35 science wrote:sci_flbbcd_cdom_sig(nodim) 426
137 237.55 science wrote:sci_flbbcd_cdom_units(ppb) 34.8301
138 237.58 science wrote:sci_flbbcd_chlor_ref(nodim) 695
139 237.60 science wrote:sci_flbbcd_chlor_sig(nodim) 69
140 237.63 science wrote:sci_flbbcd_chlor_units(ug/l) 0.4046
141 237.65 science wrote:sci_flbbcd_therm(nodim) 536
142 238.39 science wrote:sci_flbbcd_bb_ref(nodim) 700
143 238.41 science wrote:sci_flbbcd_bb_sig(nodim) 4130
144 238.44 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
145 238.47 science wrote:sci_flbbcd_cdom_ref(nodim) 460
146 238.50 science wrote:sci_flbbcd_cdom_sig(nodim) 4130
147 238.52 science wrote:sci_flbbcd_cdom_units(ppb) 375.2277
148 238.54 science wrote:sci_flbbcd_chlor_ref(nodim) 695
149 238.57 science wrote:sci_flbbcd_chlor_sig(nodim) 3914
150 238.65 science wrote:sci_flbbcd_chlor_units(ug/l) 46.1601
151 238.68 science wrote:sci_flbbcd_therm(nodim) 536
152 239.63 65 science wrote:sci_flbbcd_bb_ref(nodim) 700
153 239.66 science wrote:sci_flbbcd_bb_sig(nodim) 4130
154 239.68 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
155 239.71 science wrote:sci_flbbcd_cdom_ref(nodim) 460
156 239.73 science wrote:sci_flbbcd_cdom_sig(nodim) 4130
157 239.76 science wrote:sci_flbbcd_cdom_units(ppb) 375.2277
158 239.79 science wrote:sci_flbbcd_chlor_ref(nodim) 695
159 239.81 science wrote:sci_flbbcd_chlor_sig(nodim) 4130
160 239.84 Sent science:s:m_cycle_number(nodim) 65-
161 239.98 science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305
162 240.01 science wrote:sci_flbbcd_therm(nodim) 536
163 240.03 science wrote:sci_m_present_secs_into_mission(sec) 239.782104492188
164 240.06 science wrote:sci_m_present_time(timestamp) 1695150941.7821
165 240.65 science wrote:sci_flbbcd_bb_ref(nodim) 700
166 240.68 science wrote:sci_flbbcd_bb_sig(nodim) 4130
167 240.70 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
168 240.73 science wrote:sci_flbbcd_cdom_ref(nodim) 460
169 240.75 science wrote:sci_flbbcd_cdom_sig(nodim) 4130
170 240.78 science wrote:sci_flbbcd_cdom_units(ppb) 375.2277
171 240.81 science wrote:sci_flbbcd_chlor_ref(nodim) 695
172 240.83 science wrote:sci_flbbcd_chlor_sig(nodim) 4130
173 241.00 science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305
174 241.03 science wrote:sci_flbbcd_therm(nodim) 536
175 241.82 science wrote:sci_flbbcd_bb_ref(nodim) 700
176 241.84 science wrote:sci_flbbcd_bb_sig(nodim) 4130
177 241.87 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
178 241.89 science wrote:sci_flbbcd_cdom_ref(nodim) 460
179 241.92 science wrote:sci_flbbcd_cdom_sig(nodim) 4130
180 241.95 science wrote:sci_flbbcd_cdom_units(ppb) 375.2277
181 241.98 science wrote:sci_flbbcd_chlor_ref(nodim) 695
182 242.00 science wrote:sci_flbbcd_chlor_sig(nodim) 4130
183 242.08 science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305
184 242.10 science wrote:sci_flbbcd_therm(nodim) 536
185 243.01 science wrote:sci_flbbcd_bb_ref(nodim) 700
186 243.04 science wrote:sci_flbbcd_bb_sig(nodim) 4130
187 243.06 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
188 243.10 science wrote:sci_flbbcd_cdom_ref(nodim) 460
189 243.12 science wrote:sci_flbbcd_cdom_sig(nodim) 4130
190 243.14 science wrote:sci_flbbcd_cdom_units(ppb) 375.2277
191 243.17 science wrote:sci_flbbcd_chlor_ref(nodim) 695
192 243.19 science wrote:sci_flbbcd_chlor_sig(nodim) 4130
193 243.24 science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305
194 243.26 science wrote:sci_flbbcd_therm(nodim) 535
195 243.57 66 Sent science:s:m_cycle_number(nodim) 66-
196 243.88 science wrote:sci_m_present_secs_into_mission(sec) 243.776428222656
197 243.90 science wrote:sci_m_present_time(timestamp) 1695150945.77643
198 244.03 science wrote:sci_flbbcd_bb_ref(nodim) 700
199 244.06 science wrote:sci_flbbcd_bb_sig(nodim) 3540
200 244.08 science wrote:sci_flbbcd_bb_units(nodim) 0.012295302
201 244.11 science wrote:sci_flbbcd_cdom_ref(nodim) 460

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202 244.14 science wrote:sci_flbbcd_cdom_sig(nodim) 3565
203 244.16 science wrote:sci_flbbcd_cdom_units(ppb) 323.3042
204 244.19 science wrote:sci_flbbcd_chlor_ref(nodim) 695
205 244.27 science wrote:sci_flbbcd_chlor_sig(nodim) 3530
206 244.29 science wrote:sci_flbbcd_chlor_units(ug/l) 41.5905
207 244.31 science wrote:sci_flbbcd_therm(nodim) 535
208 245.17 science wrote:sci_flbbcd_bb_ref(nodim) 700
209 245.20 science wrote:sci_flbbcd_bb_sig(nodim) 325
210 245.22 science wrote:sci_flbbcd_bb_units(nodim) 0.000972072
211 245.25 science wrote:sci_flbbcd_cdom_ref(nodim) 460
212 245.28 science wrote:sci_flbbcd_cdom_sig(nodim) 43
213 245.30 science wrote:sci_flbbcd_cdom_units(ppb) -0.3676
214 245.33 science wrote:sci_flbbcd_chlor_ref(nodim) 695
215 245.35 science wrote:sci_flbbcd_chlor_sig(nodim) 53
216 245.43 science wrote:sci_flbbcd_chlor_units(ug/l) 0.2142
217 245.45 science wrote:sci_flbbcd_therm(nodim) 535
218 246.28 science wrote:sci_flbbcd_bb_ref(nodim) 700
219 246.30 science wrote:sci_flbbcd_bb_sig(nodim) 337
220 246.56 science wrote:sci_flbbcd_bb_units(nodim) 0.001014336
221 246.58 science wrote:sci_flbbcd_cdom_ref(nodim) 460
222 246.60 science wrote:sci_flbbcd_cdom_sig(nodim) 50
223 246.63 science wrote:sci_flbbcd_cdom_units(ppb) 0.2757
224 246.66 science wrote:sci_flbbcd_chlor_ref(nodim) 695
225 246.68 science wrote:sci_flbbcd_chlor_sig(nodim) 59
226 246.70 science wrote:sci_flbbcd_chlor_units(ug/l) 0.2856
227 246.73 science wrote:sci_flbbcd_therm(nodim) 535
228 247.45 science wrote:sci_flbbcd_bb_ref(nodim) 700
229 247.47 science wrote:sci_flbbcd_bb_sig(nodim) 612
230 247.50 science wrote:sci_flbbcd_bb_units(nodim) 0.001982886
231 247.52 science wrote:sci_flbbcd_cdom_ref(nodim) 460
232 247.56 science wrote:sci_flbbcd_cdom_sig(nodim) 70
233 247.58 science wrote:sci_flbbcd_cdom_units(ppb) 2.1137
234 247.60 science wrote:sci_flbbcd_chlor_ref(nodim) 695
235 247.63 science wrote:sci_flbbcd_chlor_sig(nodim) 44
236 247.96 67 science wrote:sci_flbbcd_chlor_units(ug/l) 0.1071
237 247.99 science wrote:sci_flbbcd_therm(nodim) 535
238 248.01 science wrote:sci_m_present_secs_into_mission(sec) 247.776733398438
239 248.04 science wrote:sci_m_present_time(timestamp) 1695150949.77673
240 248.07 Sent science:s:m_cycle_number(nodim) 67-
241 248.62 science wrote:sci_flbbcd_bb_ref(nodim) 700
242 248.65 science wrote:sci_flbbcd_bb_sig(nodim) 4130
243 248.68 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
244 248.71 science wrote:sci_flbbcd_cdom_ref(nodim) 460
245 248.73 science wrote:sci_flbbcd_cdom_sig(nodim) 393
246 248.76 science wrote:sci_flbbcd_cdom_units(ppb) 31.7974
247 248.78 science wrote:sci_flbbcd_chlor_ref(nodim) 695
248 248.80 science wrote:sci_flbbcd_chlor_sig(nodim) 194
249 248.88 science wrote:sci_flbbcd_chlor_units(ug/l) 1.8921
250 248.91 science wrote:sci_flbbcd_therm(nodim) 535
251 249.70 science wrote:sci_flbbcd_bb_ref(nodim) 700
252 249.72 science wrote:sci_flbbcd_bb_sig(nodim) 4130
253 249.75 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
254 249.78 science wrote:sci_flbbcd_cdom_ref(nodim) 460
255 249.80 science wrote:sci_flbbcd_cdom_sig(nodim) 457
256 249.83 science wrote:sci_flbbcd_cdom_units(ppb) 37.679
257 249.86 science wrote:sci_flbbcd_chlor_ref(nodim) 695
258 249.88 science wrote:sci_flbbcd_chlor_sig(nodim) 228
259 250.05 science wrote:sci_flbbcd_chlor_units(ug/l) 2.2967
260 250.08 science wrote:sci_flbbcd_therm(nodim) 535
261 loadmission sci_off.mi
262
263 load_mission(): Opening Mission file: SCI_OFF.MI
264 Setting SENSOR c_science_on(enum) value 1.000000
265 Setting SENSOR c_science_all_on(secs) value -1.000000
266 Setting SENSOR c_science_send_all(bool) value 0.000000
267 Setting SENSOR u_use_ctd_depth_for_flying(bool) value 0.000000
268

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