

Tested 9/19/23 *MPB*

```
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      140      700      4130      460      111      539
23 99/99/99          99:99:99          695      141      700      4130      460      111      539
24
25 Ser FLBBCDSLCL-8413
26 Ver TripletD 4.07
27 Ave 20
28 Pkt 0
29
30 99/99/99          99:99:99          695      48      700      555      460      52      537
31 99/99/99          99:99:99          695      44      700      550      460      52      537
32 99/99/99          99:99:99          695      45      700      546      460      52      537
33 99/99/99          99:99:99          695      45      700      540      460      53      537
34 99/99/99          99:99:99          695      49      700      537      460      52      537
35 99/99/99          99:99:99          695      46      700      538      460      52      537
36 99/99/99          99:99:99          695      48      700      538      460      52      537
37 99/99/99          99:99:99          695      1847    700      2230    460      2363    537
38 99/99/99          99:99:99          695      4130    700      3054    460      4130    537
39 99/99/99          99:99:99          695      4130    700      4130    460      4130    537
40 99/99/99          99:99:99          695      4130    700      4130    460      4130    537
41 99/99/99          99:99:99          695      4130    700      4130    460      4130    537
42 99/99/99          99:99:99          695      4130    700      3047    460      4130    537
43 99/99/99          99:99:99          695      4130    700      2748    460      4130    537
44 99/99/99          99:99:99          695      4130    700      4096    460      4130    537
45 99/99/99          99:99:99          695      1380    700      1824    460      1418    537
46 99/99/99          99:99:99          695      47      700      539      460      52      536
47 99/99/99          99:99:99          695      46      700      541      460      51      536
48 99/99/99          99:99:99          695      50      700      543      460      51      536
49
50 Heard exit char, Leaving emulation_loop()
51 sci_uart_close(): Closing SBMB:J0
52 Restoring bit[s] to initial state.
53 Lowering bit: 0
54 Bit(0) raise count is now 0.
55 bit_shared_close(): bit(0) is still in use.
56 Bit(0) use count is now 1.
57 return 0; from main()
58 -----
59
60
61 SciDos>
62
63
64
65 GliderLAB I -3 >loadmission sci_on.mi
66
67 load_mission(): Opening Mission file: SCI_ON.MI
```

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68 Setting SENSOR c_science_on(enum) value 3.000000
69 Setting SENSOR c_science_all_on(secs) value 0.000000
70 Setting SENSOR c_science_send_all(bool) value 1.000000
71 Setting SENSOR u_use_ctd_depth_for_flying(bool) value 0.000000
72
73
74 GliderLAB I -3 >777.40 4 Sent science:s:c_flbbcd_on(sec) 0-
75 777.43 Sent science:s:c_science_send_all(bool) 1-
76 777.48 Sent science:s:m_cycle_number(nodim) 204-
77 780.26 science wrote:sci_flbbcd_bb_ref(nodim) 700
78 780.28 science wrote:sci_flbbcd_bb_sig(nodim) 4130
79 780.31 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
80 780.34 science wrote:sci_flbbcd_cdom_ref(nodim) 460
81 780.36 science wrote:sci_flbbcd_cdom_sig(nodim) 136
82 780.39 science wrote:sci_flbbcd_cdom_units(ppb) 8.1791
83 780.59 science wrote:sci_flbbcd_chlor_ref(nodim) 695
84 780.62 science wrote:sci_flbbcd_chlor_sig(nodim) 96
85 780.64 science wrote:sci_flbbcd_chlor_units(ug/l) 0.7259
86 780.66 science wrote:sci_flbbcd_therm(nodim) 537
87 780.97 science wrote:sci_m_present_secs_into_mission(sec) 781.058197021484
88 780.99 science wrote:sci_m_present_time(timestamp) 1695151483.0582
89 781.54 4 science wrote:sci_flbbcd_bb_ref(nodim) 700
90 781.57 science wrote:sci_flbbcd_bb_sig(nodim) 4130
91 781.60 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
92 781.62 science wrote:sci_flbbcd_cdom_ref(nodim) 460
93 781.65 science wrote:sci_flbbcd_cdom_sig(nodim) 143
94 781.67 science wrote:sci_flbbcd_cdom_units(ppb) 8.8224
95 781.70 science wrote:sci_flbbcd_chlor_ref(nodim) 695
96 781.73 science wrote:sci_flbbcd_chlor_sig(nodim) 94
97 781.75 Sent science:s:m_cycle_number(nodim) 205-
98 782.05 science wrote:sci_flbbcd_chlor_units(ug/l) 0.7021
99 782.07 science wrote:sci_flbbcd_therm(nodim) 537
100 782.77 science wrote:sci_flbbcd_bb_ref(nodim) 700
101 782.79 science wrote:sci_flbbcd_bb_sig(nodim) 4130
102 782.82 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
103 782.84 science wrote:sci_flbbcd_cdom_ref(nodim) 460
104 782.87 science wrote:sci_flbbcd_cdom_sig(nodim) 142
105 782.90 science wrote:sci_flbbcd_cdom_units(ppb) 8.7305
106 782.92 science wrote:sci_flbbcd_chlor_ref(nodim) 695
107 782.94 science wrote:sci_flbbcd_chlor_sig(nodim) 94
108 783.02 science wrote:sci_flbbcd_chlor_units(ug/l) 0.7021
109 783.04 science wrote:sci_flbbcd_therm(nodim) 537
110 783.83 science wrote:sci_flbbcd_bb_ref(nodim) 700
111 783.86 science wrote:sci_flbbcd_bb_sig(nodim) 4130
112 783.89 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
113 783.91 science wrote:sci_flbbcd_cdom_ref(nodim) 460
114 783.94 science wrote:sci_flbbcd_cdom_sig(nodim) 159
115 783.96 science wrote:sci_flbbcd_cdom_units(ppb) 10.2928
116 783.99 science wrote:sci_flbbcd_chlor_ref(nodim) 695
117 784.02 science wrote:sci_flbbcd_chlor_sig(nodim) 95
118 784.18 science wrote:sci_flbbcd_chlor_units(ug/l) 0.714
119 784.21 science wrote:sci_flbbcd_therm(nodim) 536
120 785.00 science wrote:sci_flbbcd_bb_ref(nodim) 700
121 785.03 science wrote:sci_flbbcd_bb_sig(nodim) 3850
122 785.06 science wrote:sci_flbbcd_bb_units(nodim) 0.013387122
123 785.08 science wrote:sci_flbbcd_cdom_ref(nodim) 460
124 785.11 science wrote:sci_flbbcd_cdom_sig(nodim) 126
125 785.13 science wrote:sci_flbbcd_cdom_units(ppb) 7.2601
126 785.16 science wrote:sci_flbbcd_chlor_ref(nodim) 695
127 785.19 science wrote:sci_flbbcd_chlor_sig(nodim) 72
128 785.23 science wrote:sci_flbbcd_chlor_units(ug/l) 0.4403
129 785.25 science wrote:sci_flbbcd_therm(nodim) 536
130 785.28 science wrote:sci_m_present_secs_into_mission(sec) 785.118499755859
131 785.31 science wrote:sci_m_present_time(timestamp) 1695151487.1185
132 785.73 6 Sent science:s:m_cycle_number(nodim) 206-
133 786.25 science wrote:sci_flbbcd_bb_ref(nodim) 700
134 786.28 science wrote:sci_flbbcd_bb_sig(nodim) 1881

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135	786.31	science wrote:sci_flbbcd_bb_units(nodim)	0.006452304
136	786.33	science wrote:sci_flbbcd_cdom_ref(nodim)	460
137	786.36	science wrote:sci_flbbcd_cdom_sig(nodim)	386
138	786.38	science wrote:sci_flbbcd_cdom_units(ppb)	31.1541
139	786.41	science wrote:sci_flbbcd_chlor_ref(nodim)	695
140	786.44	science wrote:sci_flbbcd_chlor_sig(nodim)	126
141	786.47	science wrote:sci_flbbcd_chlor_units(ug/l)	1.0829
142	786.50	science wrote:sci_flbbcd_therm(nodim)	536
143	787.36	science wrote:sci_flbbcd_bb_ref(nodim)	700
144	787.39	science wrote:sci_flbbcd_bb_sig(nodim)	4130
145	787.41	science wrote:sci_flbbcd_bb_units(nodim)	0.014373282
146	787.44	science wrote:sci_flbbcd_cdom_ref(nodim)	460
147	787.47	science wrote:sci_flbbcd_cdom_sig(nodim)	4130
148	787.49	science wrote:sci_flbbcd_cdom_units(ppb)	375.2277
149	787.52	science wrote:sci_flbbcd_chlor_ref(nodim)	695
150	787.80	science wrote:sci_flbbcd_chlor_sig(nodim)	3117
151	787.82	science wrote:sci_flbbcd_chlor_units(ug/l)	36.6758
152	787.85	science wrote:sci_flbbcd_therm(nodim)	536
153	788.56	science wrote:sci_flbbcd_bb_ref(nodim)	700
154	788.58	science wrote:sci_flbbcd_bb_sig(nodim)	4130
155	788.61	science wrote:sci_flbbcd_bb_units(nodim)	0.014373282
156	788.64	science wrote:sci_flbbcd_cdom_ref(nodim)	460
157	788.66	science wrote:sci_flbbcd_cdom_sig(nodim)	4130
158	788.69	science wrote:sci_flbbcd_cdom_units(ppb)	375.2277
159	788.71	science wrote:sci_flbbcd_chlor_ref(nodim)	695
160	788.74	science wrote:sci_flbbcd_chlor_sig(nodim)	4130
161	788.82	science wrote:sci_flbbcd_chlor_units(ug/l)	48.7305
162	788.85	science wrote:sci_flbbcd_therm(nodim)	536
163	789.08	science wrote:sci_m_present_secs_into_mission(sec)	789.061401367188
164	789.11	science wrote:sci_m_present_time(timestamp)	1695151491.0614
165	790.03	6 science wrote:sci_flbbcd_bb_ref(nodim)	700
166	790.05	science wrote:sci_flbbcd_bb_sig(nodim)	4130
167	790.08	science wrote:sci_flbbcd_bb_units(nodim)	0.014373282
168	790.10	science wrote:sci_flbbcd_cdom_ref(nodim)	460
169	790.12	science wrote:sci_flbbcd_cdom_sig(nodim)	4130
170	790.15	science wrote:sci_flbbcd_cdom_units(ppb)	375.2277
171	790.18	science wrote:sci_flbbcd_chlor_ref(nodim)	695
172	790.20	science wrote:sci_flbbcd_chlor_sig(nodim)	4130
173	790.22	Sent science:s:m_cycle_number(nodim)	207-
174	790.37	science wrote:sci_flbbcd_chlor_units(ug/l)	48.7305
175	790.40	science wrote:sci_flbbcd_therm(nodim)	536
176	790.94	science wrote:sci_flbbcd_bb_ref(nodim)	700
177	790.96	science wrote:sci_flbbcd_bb_sig(nodim)	4130
178	790.99	science wrote:sci_flbbcd_bb_units(nodim)	0.014373282
179	791.01	science wrote:sci_flbbcd_cdom_ref(nodim)	460
180	791.04	science wrote:sci_flbbcd_cdom_sig(nodim)	4130
181	791.07	science wrote:sci_flbbcd_cdom_units(ppb)	375.2277
182	791.10	science wrote:sci_flbbcd_chlor_ref(nodim)	695
183	791.12	science wrote:sci_flbbcd_chlor_sig(nodim)	4130
184	791.30	science wrote:sci_flbbcd_chlor_units(ug/l)	48.7305
185	791.32	science wrote:sci_flbbcd_therm(nodim)	536
186	792.11	science wrote:sci_flbbcd_bb_ref(nodim)	700
187	792.19	science wrote:sci_flbbcd_bb_sig(nodim)	4130
188	792.22	science wrote:sci_flbbcd_bb_units(nodim)	0.014373282
189	792.24	science wrote:sci_flbbcd_cdom_ref(nodim)	460
190	792.27	science wrote:sci_flbbcd_cdom_sig(nodim)	4130
191	792.30	science wrote:sci_flbbcd_cdom_units(ppb)	375.2277
192	792.32	science wrote:sci_flbbcd_chlor_ref(nodim)	695
193	792.35	science wrote:sci_flbbcd_chlor_sig(nodim)	4130
194	792.37	science wrote:sci_flbbcd_chlor_units(ug/l)	48.7305
195	792.48	science wrote:sci_flbbcd_therm(nodim)	536
196	792.97	science wrote:sci_m_present_secs_into_mission(sec)	793.057098388672
197	793.00	science wrote:sci_m_present_time(timestamp)	1695151495.0571
198	793.33	science wrote:sci_flbbcd_bb_ref(nodim)	700
199	793.36	science wrote:sci_flbbcd_bb_sig(nodim)	4130
200	793.39	science wrote:sci_flbbcd_bb_units(nodim)	0.014373282
201	793.41	science wrote:sci_flbbcd_cdom_ref(nodim)	460

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202 793.44 science wrote:sci_flbbcd_cdom_sig(nodim) 4130
203 793.46 science wrote:sci_flbbcd_cdom_units(ppb) 375.2277
204 793.49 science wrote:sci_flbbcd_chlor_ref(nodim) 695
205 793.52 science wrote:sci_flbbcd_chlor_sig(nodim) 4130
206 793.57 science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305
207 793.59 science wrote:sci_flbbcd_therm(nodim) 536
208 794.15 8 Sent science:s:m_cycle_number(nodim) 208-
209 794.51 science wrote:sci_flbbcd_bb_ref(nodim) 700
210 794.53 science wrote:sci_flbbcd_bb_sig(nodim) 2002
211 794.56 science wrote:sci_flbbcd_bb_units(nodim) 0.006878466
212 794.58 science wrote:sci_flbbcd_cdom_ref(nodim) 460
213 794.61 science wrote:sci_flbbcd_cdom_sig(nodim) 1752
214 794.64 science wrote:sci_flbbcd_cdom_units(ppb) 156.6895
215 794.66 science wrote:sci_flbbcd_chlor_ref(nodim) 695
216 794.69 science wrote:sci_flbbcd_chlor_sig(nodim) 1615
217 794.99 science wrote:sci_flbbcd_chlor_units(ug/l) 18.802
218 795.02 science wrote:sci_flbbcd_therm(nodim) 536
219 795.67 science wrote:sci_flbbcd_bb_ref(nodim) 700
220 795.70 science wrote:sci_flbbcd_bb_sig(nodim) 2451
221 795.72 science wrote:sci_flbbcd_bb_units(nodim) 0.008459844
222 795.75 science wrote:sci_flbbcd_cdom_ref(nodim) 460
223 795.77 science wrote:sci_flbbcd_cdom_sig(nodim) 96
224 795.80 science wrote:sci_flbbcd_cdom_units(ppb) 4.5031
225 795.83 science wrote:sci_flbbcd_chlor_ref(nodim) 695
226 795.85 science wrote:sci_flbbcd_chlor_sig(nodim) 55
227 795.93 science wrote:sci_flbbcd_chlor_units(ug/l) 0.238
228 795.95 science wrote:sci_flbbcd_therm(nodim) 535
229 796.96 science wrote:sci_flbbcd_bb_ref(nodim) 700
230 796.99 science wrote:sci_flbbcd_bb_sig(nodim) 4130
231 797.01 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
232 797.04 science wrote:sci_flbbcd_cdom_ref(nodim) 460
233 797.07 science wrote:sci_flbbcd_cdom_sig(nodim) 219
234 797.09 science wrote:sci_flbbcd_cdom_units(ppb) 15.8068
235 797.12 science wrote:sci_flbbcd_chlor_ref(nodim) 695
236 797.14 science wrote:sci_flbbcd_chlor_sig(nodim) 103
237 797.25 science wrote:sci_flbbcd_chlor_units(ug/l) 0.8092
238 797.28 science wrote:sci_flbbcd_therm(nodim) 535
239 797.30 science wrote:sci_m_present_secs_into_mission(sec) 797.060943603516
240 797.33 science wrote:sci_m_present_time(timestamp) 1695151499.06094
241 798.03 science wrote:sci_flbbcd_bb_ref(nodim) 700
242 loadmission sci_off.mi
243
244 load_mission(): Opening Mission file: SCI_OFF.MI
245 Setting SENSOR c_science_on(enum) value 1.000000
246 Setting SENSOR c_science_all_on(secs) value -1.000000
247 Setting SENSOR c_science_send_all(bool) value 0.000000
248 Setting SENSOR u_use_ctd_depth_for_flying(bool) value 0.000000
249
250
251 GliderLAB I -3 >

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