

Tested 9/19/23 MJB

```
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(0):
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      50      700      4130      460      287      541
23 99/99/99          99:99:99          695      48      700      4130      460      287      540
24
25 Ser FLBBCDSL-8411
26 Ver TripletD 4.07
27 Ave 19
28 Pkt 0
29
30 99/99/99          99:99:99          695      48      700      4130      460      292      539
31 99/99/99          99:99:99          695      50      700      4130      460      289      539
32 99/99/99          99:99:99          695      49      700      4130      460      264      538
33 99/99/99          99:99:99          695      39      700      590      460      56      539
34 99/99/99          99:99:99          695      41      700      544      460      46      539
35 99/99/99          99:99:99          695      44      700      461      460      47      539
36 99/99/99          99:99:99          695      3230    700      3952      460      3502    538
37 99/99/99          99:99:99          695      4130    700      4130      460      4130    538
38 99/99/99          99:99:99          695      4130    700      4130      460      4130    538
39 99/99/99          99:99:99          695      4130    700      4130      460      4130    538
40 99/99/99          99:99:99          695      4130    700      4130      460      4130    538
41 99/99/99          99:99:99          695      4130    700      4130      460      4130    538
42 99/99/99          99:99:99          695      3619    700      3784      460      3582    538
43 99/99/99          99:99:99          695      48      700      432      460      42      538
44 99/99/99          99:99:99          695      51      700      439      460      40      538
45 99/99/99          99:99:99          695      44      700      492      460      55      538
46 99/99/99          99:99:99          695      62      700      4130      460      113      538
47
48 Heard exit char, Leaving emulation_loop()
49 sci_uart_close(0): 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 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 >538.79 40 Sent science:s:c_flbbcd_on(sec) 0-
73 538.82 Sent science:s:c_science_send_all(bool) 1-
74 538.86 Sent science:s:m_cycle_number(nodim) 141-
75 541.64 science wrote:sci_flbbcd_bb_ref(nodim) 700
76 541.67 science wrote:sci_flbbcd_bb_sig(nodim) 4130
77 541.70 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
78 541.72 science wrote:sci_flbbcd_cdom_ref(nodim) 460
79 541.75 science wrote:sci_flbbcd_cdom_sig(nodim) 127
80 541.78 science wrote:sci_flbbcd_cdom_units(ppb) 7.352
81 541.80 science wrote:sci_flbbcd_chlor_ref(nodim) 695
82 541.83 science wrote:sci_flbbcd_chlor_sig(nodim) 98
83 542.00 science wrote:sci_flbbcd_chlor_units(ug/l) 0.7497
84 542.02 science wrote:sci_flbbcd_therm(nodim) 539
85 542.05 science wrote:sci_m_present_secs_into_mission(sec) 541.807495117188
86 542.07 science wrote:sci_m_present_time(timestamp) 1695151243.8075
87 542.74 science wrote:sci_flbbcd_bb_ref(nodim) 700
88 542.76 science wrote:sci_flbbcd_bb_sig(nodim) 4130
89 542.79 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
90 542.81 science wrote:sci_flbbcd_cdom_ref(nodim) 460
91 542.84 science wrote:sci_flbbcd_cdom_sig(nodim) 129
92 542.87 science wrote:sci_flbbcd_cdom_units(ppb) 7.5358
93 542.89 science wrote:sci_flbbcd_chlor_ref(nodim) 695
94 542.92 science wrote:sci_flbbcd_chlor_sig(nodim) 97
95 543.10 41 science wrote:sci_flbbcd_chlor_units(ug/l) 0.7378
96 543.13 science wrote:sci_flbbcd_therm(nodim) 539
97 543.15 Sent science:s:m_cycle_number(nodim) 142-
98 543.88 science wrote:sci_flbbcd_bb_ref(nodim) 700
99 543.90 science wrote:sci_flbbcd_bb_sig(nodim) 4130
100 543.93 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
101 543.96 science wrote:sci_flbbcd_cdom_ref(nodim) 460
102 543.98 science wrote:sci_flbbcd_cdom_sig(nodim) 127
103 544.01 science wrote:sci_flbbcd_cdom_units(ppb) 7.352
104 544.03 science wrote:sci_flbbcd_chlor_ref(nodim) 695
105 544.06 science wrote:sci_flbbcd_chlor_sig(nodim) 98
106 544.23 science wrote:sci_flbbcd_chlor_units(ug/l) 0.7497
107 544.26 science wrote:sci_flbbcd_therm(nodim) 539
108 544.97 science wrote:sci_flbbcd_bb_ref(nodim) 700
109 545.00 science wrote:sci_flbbcd_bb_sig(nodim) 4130
110 545.03 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
111 545.05 science wrote:sci_flbbcd_cdom_ref(nodim) 460
112 545.08 science wrote:sci_flbbcd_cdom_sig(nodim) 121
113 545.10 science wrote:sci_flbbcd_cdom_units(ppb) 6.8006
114 545.18 science wrote:sci_flbbcd_chlor_ref(nodim) 695
115 545.21 science wrote:sci_flbbcd_chlor_sig(nodim) 76
116 545.23 science wrote:sci_flbbcd_chlor_units(ug/l) 0.4879
117 545.26 science wrote:sci_flbbcd_therm(nodim) 538
118 545.72 science wrote:sci_m_present_secs_into_mission(sec) 545.806518554688
119 545.74 science wrote:sci_m_present_time(timestamp) 1695151247.80652
120 546.12 science wrote:sci_flbbcd_bb_ref(nodim) 700
121 546.14 science wrote:sci_flbbcd_bb_sig(nodim) 999
122 546.17 science wrote:sci_flbbcd_bb_units(nodim) 0.0033459
123 546.20 science wrote:sci_flbbcd_cdom_ref(nodim) 460
124 546.22 science wrote:sci_flbbcd_cdom_sig(nodim) 62
125 546.25 science wrote:sci_flbbcd_cdom_units(ppb) 1.3785
126 546.27 science wrote:sci_flbbcd_chlor_ref(nodim) 695
127 546.30 science wrote:sci_flbbcd_chlor_sig(nodim) 47
128 546.47 science wrote:sci_flbbcd_chlor_units(ug/l) 0.1428
129 546.49 science wrote:sci_flbbcd_therm(nodim) 538
130 547.29 42 science wrote:sci_flbbcd_bb_ref(nodim) 700
131 547.32 science wrote:sci_flbbcd_bb_sig(nodim) 477
132 547.35 science wrote:sci_flbbcd_bb_units(nodim) 0.001507416
133 547.37 science wrote:sci_flbbcd_cdom_ref(nodim) 460
134 547.40 science wrote:sci_flbbcd_cdom_sig(nodim) 56

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135 547.43 science wrote:sci_flbbcd_cdom_units(ppb) 0.8271
136 547.45 science wrote:sci_flbbcd_chlor_ref(nodim) 695
137 547.48 science wrote:sci_flbbcd_chlor_sig(nodim) 40
138 547.50 Sent science:s:m_cycle_number(nodim) 143-
139 547.65 science wrote:sci_flbbcd_chlor_units(ug/l) 0.0595
140 547.67 science wrote:sci_flbbcd_therm(nodim) 538
141 548.38 science wrote:sci_flbbcd_bb_ref(nodim) 700
142 548.41 science wrote:sci_flbbcd_bb_sig(nodim) 1362
143 548.43 science wrote:sci_flbbcd_bb_units(nodim) 0.004624386
144 548.46 science wrote:sci_flbbcd_cdom_ref(nodim) 460
145 548.49 science wrote:sci_flbbcd_cdom_sig(nodim) 841
146 548.51 science wrote:sci_flbbcd_cdom_units(ppb) 72.9686
147 548.54 science wrote:sci_flbbcd_chlor_ref(nodim) 695
148 548.56 science wrote:sci_flbbcd_chlor_sig(nodim) 237
149 548.74 science wrote:sci_flbbcd_chlor_units(ug/l) 2.4038
150 548.76 science wrote:sci_flbbcd_therm(nodim) 538
151 549.53 science wrote:sci_flbbcd_bb_ref(nodim) 700
152 549.55 science wrote:sci_flbbcd_bb_sig(nodim) 4130
153 549.58 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
154 549.60 science wrote:sci_flbbcd_cdom_ref(nodim) 460
155 549.64 science wrote:sci_flbbcd_cdom_sig(nodim) 4130
156 549.66 science wrote:sci_flbbcd_cdom_units(ppb) 375.2277
157 549.69 science wrote:sci_flbbcd_chlor_ref(nodim) 695
158 549.71 science wrote:sci_flbbcd_chlor_sig(nodim) 3075
159 549.79 science wrote:sci_flbbcd_chlor_units(ug/l) 36.176
160 549.81 science wrote:sci_flbbcd_therm(nodim) 538
161 549.84 science wrote:sci_m_present_secs_into_mission(sec) 549.808776855469
162 549.86 science wrote:sci_m_present_time(timestamp) 1695151251.80878
163 550.63 science wrote:sci_flbbcd_bb_ref(nodim) 700
164 550.66 science wrote:sci_flbbcd_bb_sig(nodim) 4130
165 550.68 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
166 550.71 science wrote:sci_flbbcd_cdom_ref(nodim) 460
167 550.74 science wrote:sci_flbbcd_cdom_sig(nodim) 4130
168 550.76 science wrote:sci_flbbcd_cdom_units(ppb) 375.2277
169 550.79 science wrote:sci_flbbcd_chlor_ref(nodim) 695
170 550.82 science wrote:sci_flbbcd_chlor_sig(nodim) 4130
171 551.00 science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305
172 551.02 science wrote:sci_flbbcd_therm(nodim) 538
173 551.39 43 Sent science:s:m_cycle_number(nodim) 144-
174 551.74 science wrote:sci_flbbcd_bb_ref(nodim) 700
175 551.77 science wrote:sci_flbbcd_bb_sig(nodim) 4130
176 551.79 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
177 551.82 science wrote:sci_flbbcd_cdom_ref(nodim) 460
178 551.85 science wrote:sci_flbbcd_cdom_sig(nodim) 4130
179 551.87 science wrote:sci_flbbcd_cdom_units(ppb) 375.2277
180 551.90 science wrote:sci_flbbcd_chlor_ref(nodim) 695
181 551.92 science wrote:sci_flbbcd_chlor_sig(nodim) 4130
182 552.01 science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305
183 552.03 science wrote:sci_flbbcd_therm(nodim) 538
184 552.90 science wrote:sci_flbbcd_bb_ref(nodim) 700
185 552.93 science wrote:sci_flbbcd_bb_sig(nodim) 4130
186 552.96 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
187 552.99 science wrote:sci_flbbcd_cdom_ref(nodim) 460
188 553.01 science wrote:sci_flbbcd_cdom_sig(nodim) 4130
189 553.04 science wrote:sci_flbbcd_cdom_units(ppb) 375.2277
190 553.06 science wrote:sci_flbbcd_chlor_ref(nodim) 695
191 553.09 science wrote:sci_flbbcd_chlor_sig(nodim) 4130
192 553.26 science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305
193 553.28 science wrote:sci_flbbcd_therm(nodim) 537
194 553.74 science wrote:sci_m_present_secs_into_mission(sec) 553.802673339844
195 553.76 science wrote:sci_m_present_time(timestamp) 1695151255.80267
196 554.00 science wrote:sci_flbbcd_bb_ref(nodim) 700
197 554.02 science wrote:sci_flbbcd_bb_sig(nodim) 4130
198 554.04 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
199 554.12 science wrote:sci_flbbcd_cdom_ref(nodim) 460
200 554.15 science wrote:sci_flbbcd_cdom_sig(nodim) 4130
201 554.18 science wrote:sci_flbbcd_cdom_units(ppb) 375.2277

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202	554.20	science wrote:sci_flbbcd_chlor_ref(nodim) 695
203	554.23	science wrote:sci_flbbcd_chlor_sig(nodim) 4130
204	554.25	science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305
205	554.28	science wrote:sci_flbbcd_therm(nodim) 537
206	555.14	science wrote:sci_flbbcd_bb_ref(nodim) 700
207	555.16	science wrote:sci_flbbcd_bb_sig(nodim) 4130
208	555.19	science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
209	555.22	science wrote:sci_flbbcd_cdom_ref(nodim) 460
210	555.24	science wrote:sci_flbbcd_cdom_sig(nodim) 4130
211	555.27	science wrote:sci_flbbcd_cdom_units(ppb) 375.2277
212	555.30	science wrote:sci_flbbcd_chlor_ref(nodim) 695
213	555.32	science wrote:sci_flbbcd_chlor_sig(nodim) 4130
214	555.65	44 science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305
215	555.67	science wrote:sci_flbbcd_therm(nodim) 537
216	555.70	Sent science:s:m_cycle_number(nodim) 145-
217	556.30	science wrote:sci_flbbcd_bb_ref(nodim) 700
218	556.32	science wrote:sci_flbbcd_bb_sig(nodim) 4130
219	556.34	science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
220	556.37	science wrote:sci_flbbcd_cdom_ref(nodim) 460
221	556.40	science wrote:sci_flbbcd_cdom_sig(nodim) 4130
222	556.43	science wrote:sci_flbbcd_cdom_units(ppb) 375.2277
223	556.45	science wrote:sci_flbbcd_chlor_ref(nodim) 695
224	556.48	science wrote:sci_flbbcd_chlor_sig(nodim) 4130
225	556.56	science wrote:sci_flbbcd_chlor_units(ug/l) 48.7305
226	556.58	science wrote:sci_flbbcd_therm(nodim) 537
227	557.39	science wrote:sci_flbbcd_bb_ref(nodim) 700
228	557.41	science wrote:sci_flbbcd_bb_sig(nodim) 4130
229	557.44	science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
230	557.47	science wrote:sci_flbbcd_cdom_ref(nodim) 460
231	557.50	science wrote:sci_flbbcd_cdom_sig(nodim) 3863
232	557.52	science wrote:sci_flbbcd_cdom_units(ppb) 350.6904
233	557.54	science wrote:sci_flbbcd_chlor_ref(nodim) 695
234	557.58	science wrote:sci_flbbcd_chlor_sig(nodim) 4074
235	557.75	science wrote:sci_flbbcd_chlor_units(ug/l) 48.0641
236	557.77	science wrote:sci_flbbcd_therm(nodim) 537
237	557.80	science wrote:sci_m_present_secs_into_mission(sec) 557.802978515625
238	557.83	science wrote:sci_m_present_time(timestamp) 1695151259.80298
239	558.54	science wrote:sci_flbbcd_bb_ref(nodim) 700
240	558.57	science wrote:sci_flbbcd_bb_sig(nodim) 2509
241	558.60	science wrote:sci_flbbcd_bb_units(nodim) 0.00866412
242	558.62	science wrote:sci_flbbcd_cdom_ref(nodim) 460
243	558.65	science wrote:sci_flbbcd_cdom_sig(nodim) 68
244	558.67	science wrote:sci_flbbcd_cdom_units(ppb) 1.9299
245	558.70	science wrote:sci_flbbcd_chlor_ref(nodim) 695
246	558.73	science wrote:sci_flbbcd_chlor_sig(nodim) 57
247	558.81	science wrote:sci_flbbcd_chlor_units(ug/l) 0.2618
248	558.83	science wrote:sci_flbbcd_therm(nodim) 537
249	559.64	46 Sent science:s:m_cycle_number(nodim) 146-
250	559.95	science wrote:sci_flbbcd_bb_ref(nodim) 700
251	559.97	science wrote:sci_flbbcd_bb_sig(nodim) 4130
252	559.99	science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
253	560.02	science wrote:sci_flbbcd_cdom_ref(nodim) 460
254	560.05	science wrote:sci_flbbcd_cdom_sig(nodim) 143
255	560.07	science wrote:sci_flbbcd_cdom_units(ppb) 8.8224
256	560.09	science wrote:sci_flbbcd_chlor_ref(nodim) 695
257	560.12	science wrote:sci_flbbcd_chlor_sig(nodim) 115
258	560.15	science wrote:sci_flbbcd_chlor_units(ug/l) 0.952
259	560.21	science wrote:sci_flbbcd_therm(nodim) 537
260	560.82	science wrote:sci_flbbcd_bb_ref(nodim) 700
261	560.84	science wrote:sci_flbbcd_bb_sig(nodim) 4130
262	560.87	science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
263	560.90	science wrote:sci_flbbcd_cdom_ref(nodim) 460
264	560.92	science wrote:sci_flbbcd_cdom_sig(nodim) 165
265	560.95	science wrote:sci_flbbcd_cdom_units(ppb) 10.8442
266	560.98	science wrote:sci_flbbcd_chlor_ref(nodim) 695
267	561.00	science wrote:sci_flbbcd_chlor_sig(nodim) 128
268	561.08	science wrote:sci_flbbcd_chlor_units(ug/l) 1.1067

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269 561.10 science wrote:sci_flbbcd_therm(nodim) 537
270 561.71 science wrote:sci_m_present_secs_into_mission(sec) 561.802856445312
271 561.74 science wrote:sci_m_present_time(timestamp) 1695151263.80286
272 561.96 science wrote:sci_flbbcd_bb_ref(nodim) 700
273 561.99 science wrote:sci_flbbcd_bb_sig(nodim) 4130
274 562.01 science wrote:sci_flbbcd_bb_units(nodim) 0.014373282
275 562.04 science wrote:sci_flbbcd_cdom_ref(nodim) 460
276 562.07 science wrote:sci_flbbcd_cdom_sig(nodim) 169
277 562.10 science wrote:sci_flbbcd_cdom_units(ppb) 11.2118
278 562.12 science wrote:sci_flbbcd_chlor_ref(nodim) 695
279 562.14 science wrote:sci_flbbcd_chlor_sig(nodim) 130
280 562.22 science wrote:sci_flbbcd_chlor_units(ug/l) 1.1305
281 562.25 science wrote:sci_flbbcd_therm(nodim) 537
282 loadmission sci_off.mi
283
284 load_mission(): Opening Mission file: SCI_OFF.MI
285 Setting SENSOR c_science_on(enum) value 1.000000
286 Setting SENSOR c_science_all_on(secs) value -1.000000
287 Setting SENSOR c_science_send_all(bool) value 0.000000
288 Setting SENSOR u_use_ctd_depth_for_flying(bool) value 0.000000
289
290
291 GliderLAB I -3 >
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