```
Save File Name: E:\Projects\OceanAcidification\DIC analyzer\Software\TCO2_Li7000_v1.31.vee

Save File Last Revised: Tue Oct 19 13:04:52 2010

Save File Format: 7.0

Agilent VEE Pro Revision: 9.2.13522.0

Execution mode: VEE 6 Execution Mode
```
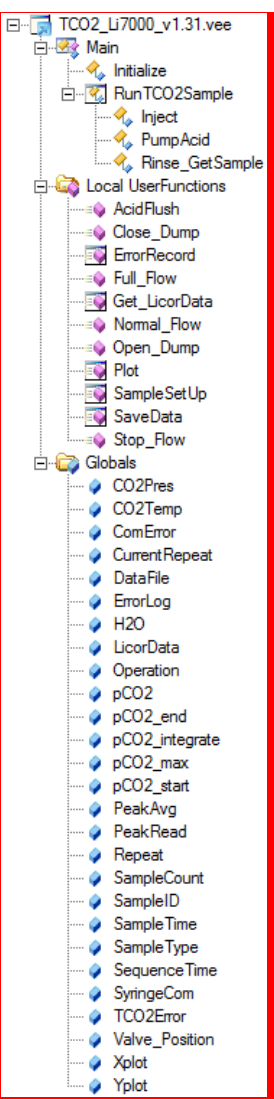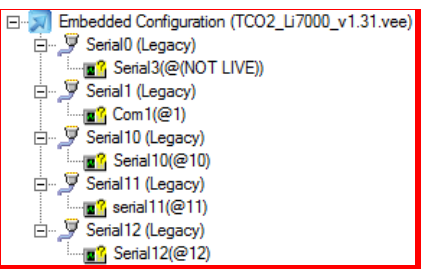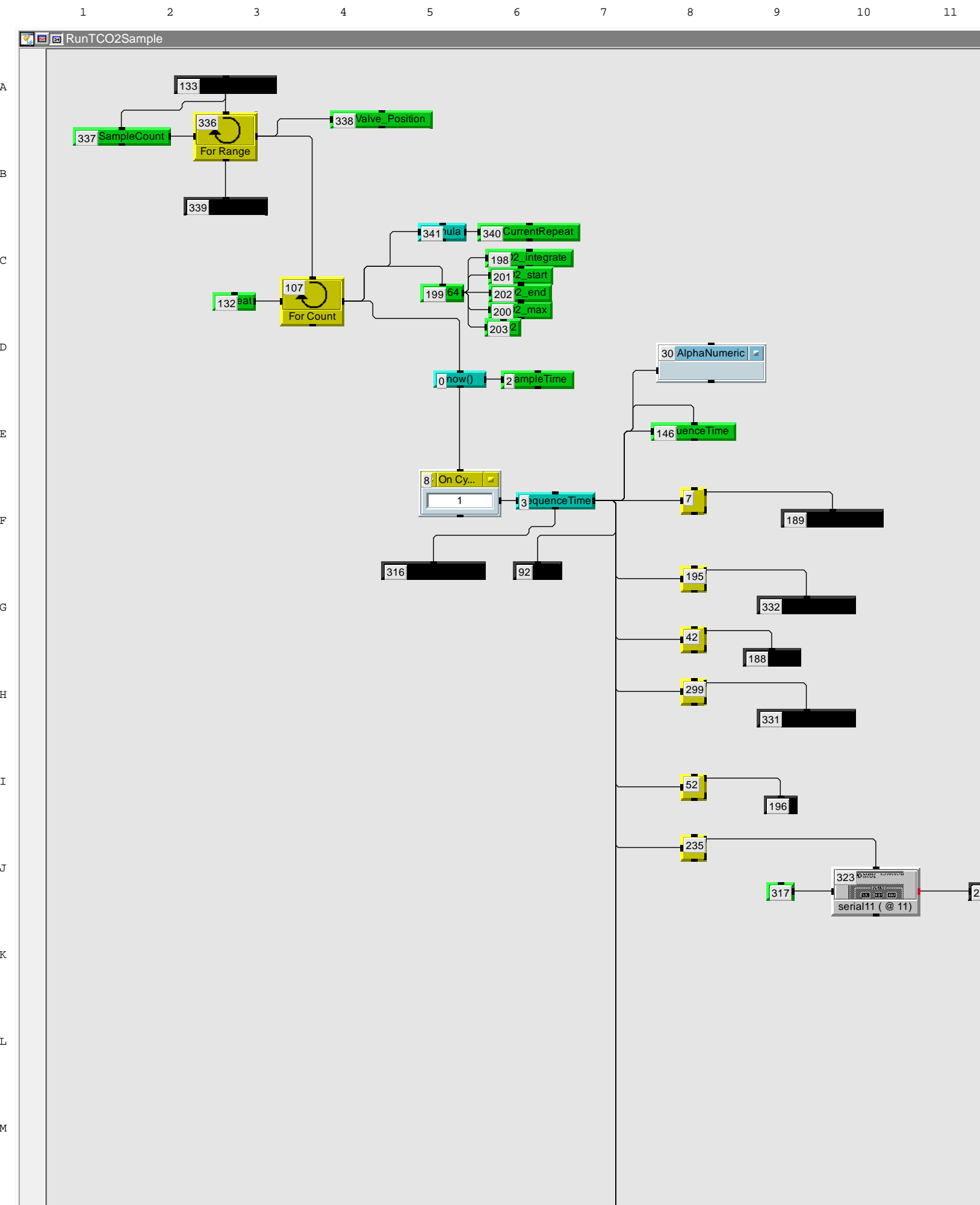
Program Explorer Overview

I/O Configuration

RunTCO2Sample (M.215): Detail View, Total Objects: 50

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |

RunTCO2Sample

- 133
- 336 For Range
- 337 SampleCount
- 338 Valve_Position
- 339
- 341 mula
- 340 CurrentRepeat
- 107 For Count
- 132 eat
- 199 64
- 198 2_integrate
- 201 2_start
- 202 2_end
- 200 2_max
- 203 2
- 0 now()
- 2 ampleTime
- 30 AlphaNumeric
- 146 uenceTime
- 8 On Cy...
  - 1
- 3 equenceTime
- 316
- 92
- 7
- 189
- 195
- 332
- 42
- 188
- 299
- 331
- 52
- 196
- 235
- 323 serial11 (@ 11)
- 317
- 23

12   13

88
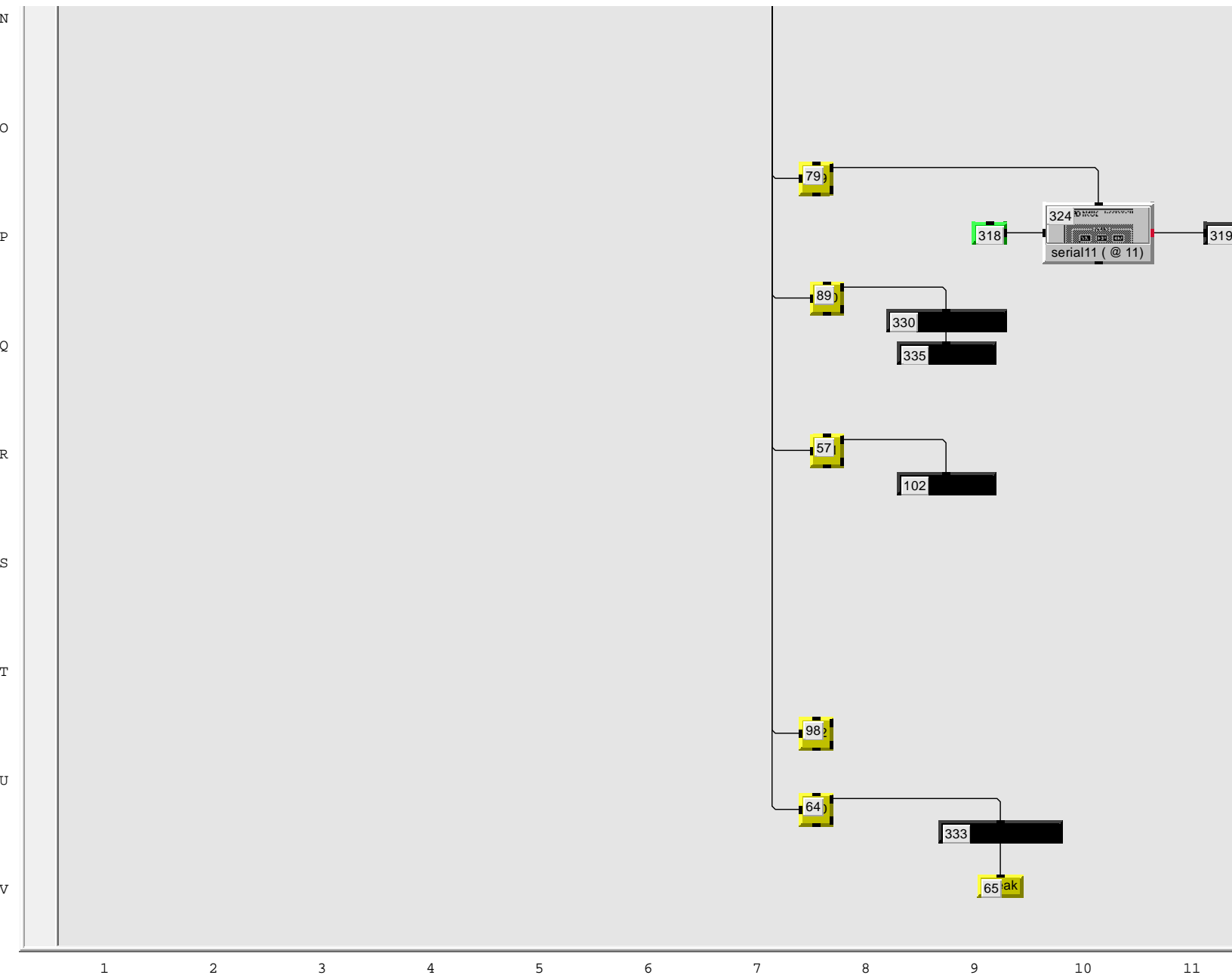
```
UserObject  "RunTCO2Sample"
├─ 0 at: D5  Formula "now()"
│  ├─ ObjectIndex: M.215.0
│  ├─ Declared Scope: Local to Context
│  ├─ Formula: now()
│  ├─ ShowTitleBar: true
│  ├─ ShowTerminals: true
│  └─ ShowIconTitle: true
├─ 2 at: D6  Set Variable "SampleTime"
│  ├─ ObjectIndex: M.215.2
│  ├─ Declared Scope: Local to Context
│  ├─ Global Name: "SampleTime"
│  ├─ ShowTitleBar: true
│  ├─ ShowTerminals: true
│  └─ ShowIconTitle: true
├─ 3 at: F6  Formula "SequenceTime"
│  ├─ ObjectIndex: M.215.3
│  ├─ Declared Scope: Local to Context
│  ├─ Formula: 3 lines.
│  │  ├─ intPart(A-SampleTime)
│  │  │
│  │  └─
│  │
│  ├─ ShowTitleBar: true
│  ├─ ShowTerminals: true
│  └─ ShowIconTitle: true
├─ 7 at: F8  If/Then/Else "1"
│  └─ ObjectIndex: M.215.7
```
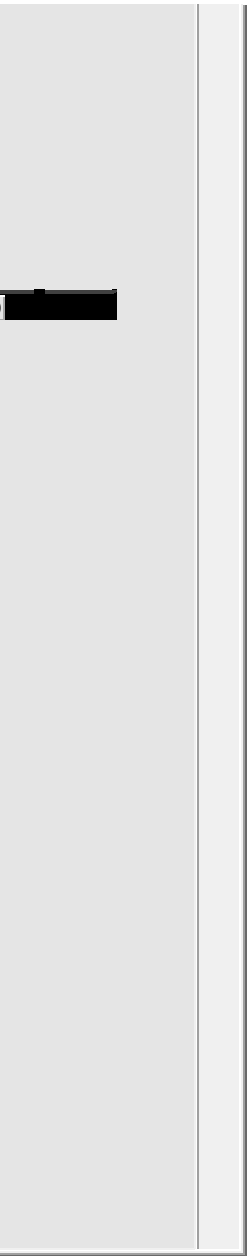
12   13

```
│   │   ObjectIndex: M.215.7
│   ├ Declared Scope: Local to Context
│   ├ If/Else cases: a==1
│   ├ ShowTitleBar: true
│   ├ ShowTerminals: true
│   └ ShowIconTitle: true
├ 8 at: F5  On Cycle "On Cycle"
│   ├ ObjectIndex: M.215.8
│   ├ Declared Scope: Local to Context
│   ├ Cycle Time: 1
│   ├ ShowTitleBar: true
│   ├ ShowTerminals: false
│   └ ShowIconTitle: true
├ 30 at: D8  AlphaNumeric "AlphaNumeric" is added to panel
│   ├ ObjectIndex: M.215.30
│   ├ Declared Scope: Local to Context
│   ├ ShowTitleBar: true
│   ├ ShowTerminals: false
│   └ ShowIconTitle: true
├ 42 at: G8  If/Then/Else "26"
│   ├ ObjectIndex: M.215.42
│   ├ Declared Scope: Local to Context
│   ├ If/Else cases: a==26
│   ├ ShowTitleBar: true
│   ├ ShowTerminals: true
│   └ ShowIconTitle: true
├ 52 at: I8  If/Then/Else "74"
│   ├ ObjectIndex: M.215.52
│   ├ Declared Scope: Local to Context
│   ├ If/Else cases: a==74
│   ├ ShowTitleBar: true
│   ├ ShowTerminals: true
│   └ ShowIconTitle: true
├ 57 at: R8  If/Then/Else "161"
│   ├ ObjectIndex: M.215.57
│   ├ Declared Scope: Local to Context
│   ├ If/Else cases: a==161
│   ├ ShowTitleBar: true
│   ├ ShowTerminals: true
│   └ ShowIconTitle: true
├ 64 at: U7  If/Then/Else "170"
│   ├ ObjectIndex: M.215.64
│   ├ Declared Scope: Local to Context
│   ├ If/Else cases: a>=170
│   ├ ShowTitleBar: true
│   ├ ShowTerminals: true
│   └ ShowIconTitle: true
├ 65 at: V9  Break "Break"
│   ├ ObjectIndex: M.215.65
│   ├ Declared Scope: Local to Context
│   ├ ShowTitleBar: true
│   ├ ShowTerminals: true
│   └ ShowIconTitle: true
├ 79 at: O7  If/Then/Else "159"
│   ├ ObjectIndex: M.215.79
│   ├ Declared Scope: Local to Context
│   ├ If/Else cases: a==159
│   ├ ShowTitleBar: true
│   ├ ShowTerminals: true
│   └ ShowIconTitle: true
├ 89 at: P8  If/Then/Else "160"
│   ├ ObjectIndex: M.215.89
│   ├ Declared Scope: Local to Context
│   ├ If/Else cases: a==160
│   ├ ShowTitleBar: true
│   ├ ShowTerminals: true
│   └ ShowIconTitle: true
├ 92 at: F6  Call "Call Plot"
│   ├ ObjectIndex: M.215.92
│   ├ Declared Scope: Local to Context
│   ├ Function name: "Plot"
│   ├ ShowTitleBar: true
│   ├ ShowTerminals: true
│   └ ShowIconTitle: true
├ 98 at: T7  If/Then/Else "162"
```

```
│ └─ 50 at: I4   If/Then/Else "162"
│   ├─ ObjectIndex: M.215.98
│   ├─ Declared Scope: Local to Context
│   ├─ If/Else cases: a==162
│   ├─ ShowTitleBar: true
│   ├─ ShowTerminals: true
│   └─ ShowIconTitle: true
├─ 102 at: R9   Call "Call SaveData"
│   ├─ ObjectIndex: M.215.102
│   ├─ Declared Scope: Local to Context
│   ├─ Function name: "SaveData"
│   ├─ ShowTitleBar: false
│   ├─ ShowTerminals: true
│   └─ ShowIconTitle: true
├─ 107 at: C4   For Count "For Count"
│   ├─ ObjectIndex: M.215.107
│   ├─ Declared Scope: Local to Context
│   ├─ Count: 2
│   ├─ ShowTitleBar: true
│   ├─ ShowTerminals: false
│   └─ ShowIconTitle: true
├─ 132 at: C3   Get Variable "Repeat"
│   ├─ ObjectIndex: M.215.132
│   ├─ Declared Scope: Local to Context
│   ├─ Global Name: "Repeat"
│   ├─ ShowTitleBar: true
│   ├─ ShowTerminals: true
│   └─ ShowIconTitle: true
├─ 133 at: A3   Call "Call SampleSetUp"
│   ├─ ObjectIndex: M.215.133
│   ├─ Declared Scope: Local to Context
│   ├─ Function name: "SampleSetUp"
│   ├─ ShowTitleBar: true
│   ├─ ShowTerminals: true
│   └─ ShowIconTitle: true
├─ 146 at: E8   Set Variable "SequenceTime"
│   ├─ ObjectIndex: M.215.146
│   ├─ Declared Scope: Local to Context
│   ├─ Global Name: "SequenceTime"
│   ├─ ShowTitleBar: true
│   ├─ ShowTerminals: true
│   └─ ShowIconTitle: true
├─ 188 at: G9   UserObject "PumpAcid"
├─ 189 at: F10   UserObject "Rinse_GetSample"
├─ 195 at: G8   If/Then/Else "24"
│   ├─ ObjectIndex: M.215.195
│   ├─ Declared Scope: Local to Context
│   ├─ If/Else cases: a==24
│   ├─ ShowTitleBar: true
│   ├─ ShowTerminals: true
│   └─ ShowIconTitle: true
├─ 196 at: I9   UserObject "Inject"
├─ 198 at: C6   Set Variable "pCO2_integrate"
│   ├─ ObjectIndex: M.215.198
│   ├─ Declared Scope: Local to Context
│   ├─ Global Name: "pCO2_integrate"
│   ├─ ShowTitleBar: true
│   ├─ ShowTerminals: true
│   └─ ShowIconTitle: true
├─ 199 at: C5   Constant "Real64"
│   ├─ ObjectIndex: M.215.199
│   ├─ Declared Scope: Local to Context
│   ├─ InitialValue: 0
│   ├─ DetentSize: 1
│   ├─ DataShape: Scalar
│   ├─ ArraySize: 10
│   ├─ EnableEditing: true
│   ├─ ShowTitleBar: true
│   ├─ ShowTerminals: false
│   └─ ShowIconTitle: true
├─ 200 at: C6   Set Variable "pCO2_max"
│   ├─ ObjectIndex: M.215.200
│   ├─ Declared Scope: Local to Context
│   ├─ Global Name: "pCO2_max"
│   ├─ ShowTitleBar: true
```

```
│  ├ ShowTerminals: true
│  └ ShowIconTitle: true
├ 201 at: C6   Set Variable "pCO2_start"
│  ├ ObjectIndex: M.215.201
│  ├ Declared Scope: Local to Context
│  ├ Global Name: "pCO2_start"
│  ├ ShowTitleBar: true
│  ├ ShowTerminals: true
│  └ ShowIconTitle: true
├ 202 at: C6   Set Variable "pCO2_end"
│  ├ ObjectIndex: M.215.202
│  ├ Declared Scope: Local to Context
│  ├ Global Name: "pCO2_end"
│  ├ ShowTitleBar: true
│  ├ ShowTerminals: true
│  └ ShowIconTitle: true
├ 203 at: D6   Set Variable "pCO2"
│  ├ ObjectIndex: M.215.203
│  ├ Declared Scope: Local to Context
│  ├ Global Name: "pCO2"
│  ├ ShowTitleBar: true
│  ├ ShowTerminals: true
│  └ ShowIconTitle: true
├ 235 at: J8   If/Then/Else "75"
│  ├ ObjectIndex: M.215.235
│  ├ Declared Scope: Local to Context
│  ├ If/Else cases: a==75
│  ├ ShowTitleBar: true
│  ├ ShowTerminals: true
│  └ ShowIconTitle: true
├ 238 at: J12   Call "Call ErrorRecord"
│  ├ ObjectIndex: M.215.238
│  ├ Declared Scope: Local to Context
│  ├ Function name: "ErrorRecord"
│  ├ ShowTitleBar: true
│  ├ ShowTerminals: true
│  └ ShowIconTitle: true
├ 299 at: H8   If/Then/Else "60"
│  ├ ObjectIndex: M.215.299
│  ├ Declared Scope: Local to Context
│  ├ If/Else cases: a==60
│  ├ ShowTitleBar: true
│  ├ ShowTerminals: true
│  └ ShowIconTitle: true
├ 316 at: F5   Call "Call Get_LicorData"
│  ├ ObjectIndex: M.215.316
│  ├ Declared Scope: Local to Context
│  ├ Function name: "Get_LicorData"
│  ├ ShowTitleBar: true
│  ├ ShowTerminals: true
│  └ ShowIconTitle: true
├ 317 at: J9   Text Constant "Text"
│  ├ ObjectIndex: M.215.317
│  ├ Declared Scope: Local to Context
│  ├ DataShape: Scalar
│  ├ ArraySize: 10
│  ├ EnableEditing: true
│  ├ ShowTitleBar: true
│  ├ ShowTerminals: false
│  └ ShowIconTitle: true
├ 318 at: P9   Text Constant "Text"
│  ├ ObjectIndex: M.215.318
│  ├ Declared Scope: Local to Context
│  ├ DataShape: Scalar
│  ├ ArraySize: 10
│  ├ EnableEditing: true
│  ├ ShowTitleBar: true
│  ├ ShowTerminals: false
│  └ ShowIconTitle: true
├ 319 at: P12   Call "Call ErrorRecord"
│  ├ ObjectIndex: M.215.319
│  ├ Declared Scope: Local to Context
│  ├ Function name: "ErrorRecord"
│  ├ ShowTitleBar: true
```

```
├ ├ ShowTerminals: true
│ └ ShowIconTitle: true
├ 323 at: J10  Direct I/O "serial11 ( @ 11)"
│ ├ ObjectIndex: M.215.323
│ ├ Declared Scope: Local to Context
│ ├ Transactions: WRITE TEXT a STR EOL
│ ├ ShowTitleBar: true
│ ├ ShowTerminals: true
│ └ ShowIconTitle: true
├ 324 at: P10  Direct I/O "serial11 ( @ 11)"
│ ├ ObjectIndex: M.215.324
│ ├ Declared Scope: Local to Context
│ ├ Transactions: WRITE TEXT a STR EOL
│ ├ ShowTitleBar: true
│ ├ ShowTerminals: true
│ └ ShowIconTitle: true
├ 330 at: Q9  Call "Call Open_Dump"
│ ├ ObjectIndex: M.215.330
│ ├ Declared Scope: Local to Context
│ ├ Function name: "Open_Dump"
│ ├ ShowTitleBar: true
│ ├ ShowTerminals: true
│ └ ShowIconTitle: true
├ 331 at: H9  Call "Call Normal_Flow"
│ ├ ObjectIndex: M.215.331
│ ├ Declared Scope: Local to Context
│ ├ Function name: "Normal_Flow"
│ ├ ShowTitleBar: true
│ ├ ShowTerminals: true
│ └ ShowIconTitle: true
├ 332 at: G9  Call "Call Close_Dump"
│ ├ ObjectIndex: M.215.332
│ ├ Declared Scope: Local to Context
│ ├ Function name: "Close_Dump"
│ ├ ShowTitleBar: true
│ ├ ShowTerminals: true
│ └ ShowIconTitle: true
├ 333 at: U9  Call "Call Close_Dump"
│ ├ ObjectIndex: M.215.333
│ ├ Declared Scope: Local to Context
│ ├ Function name: "Close_Dump"
│ ├ ShowTitleBar: true
│ ├ ShowTerminals: true
│ └ ShowIconTitle: true
├ 335 at: Q9  Call "Call Full_Flow"
│ ├ ObjectIndex: M.215.335
│ ├ Declared Scope: Local to Context
│ ├ Function name: "Full_Flow"
│ ├ ShowTitleBar: true
│ ├ ShowTerminals: true
│ └ ShowIconTitle: true
├ 336 at: A3  For Range "For Range"
│ ├ ObjectIndex: M.215.336
│ ├ Declared Scope: Local to Context
│ ├ From Value: 1
│ ├ Thru Value: 2
│ ├ Step Value: 1
│ ├ ShowTitleBar: true
│ ├ ShowTerminals: false
│ └ ShowIconTitle: true
├ 337 at: A1  Get Variable "Get SampleCount"
│ ├ ObjectIndex: M.215.337
│ ├ Declared Scope: Local to Context
│ ├ Global Name: "SampleCount"
│ ├ ShowTitleBar: true
│ ├ ShowTerminals: true
│ └ ShowIconTitle: true
├ 338 at: A4  Set Variable "Set Valve_Position"
│ ├ ObjectIndex: M.215.338
│ ├ Declared Scope: Local to Context
│ ├ Global Name: "Valve_Position"
│ ├ ShowTitleBar: true
│ ├ ShowTerminals: true
│ └ ShowIconTitle: true
```

```
├─ 339 at: B3   Call "Call Stop_Flow"
│  ├─ ObjectIndex: M.215.339
│  ├─ Declared Scope: Local to Context
│  ├─ Function name: "Stop_Flow"
│  ├─ ShowTitleBar: true
│  ├─ ShowTerminals: true
│  └─ ShowIconTitle: true
├─ 340 at: C6   Set Variable "Set CurrentRepeat"
│  ├─ ObjectIndex: M.215.340
│  ├─ Declared Scope: Local to Context
│  ├─ Global Name: "CurrentRepeat"
│  ├─ ShowTitleBar: true
│  ├─ ShowTerminals: true
│  └─ ShowIconTitle: true
└─ 341 at: C5   Formula "Formula"
   ├─ ObjectIndex: M.215.341
   ├─ Declared Scope: Local to Context
   ├─ Formula: A+1
   ├─ ShowTitleBar: true
   ├─ ShowTerminals: true
   └─ ShowIconTitle: true
```

RunTCO2Sample: Panel View

```
        100      200      300      400      500      600      700      800      900      1000     11
```

RunTCO2Sample

AlphaNumeric

```
PanelView "RunTCO2Sample"  (w=693, h=404)
└ 30:  AlphaNumeric "AlphaNumeric"  (x=270, y=50) (w=125, h=44)
```
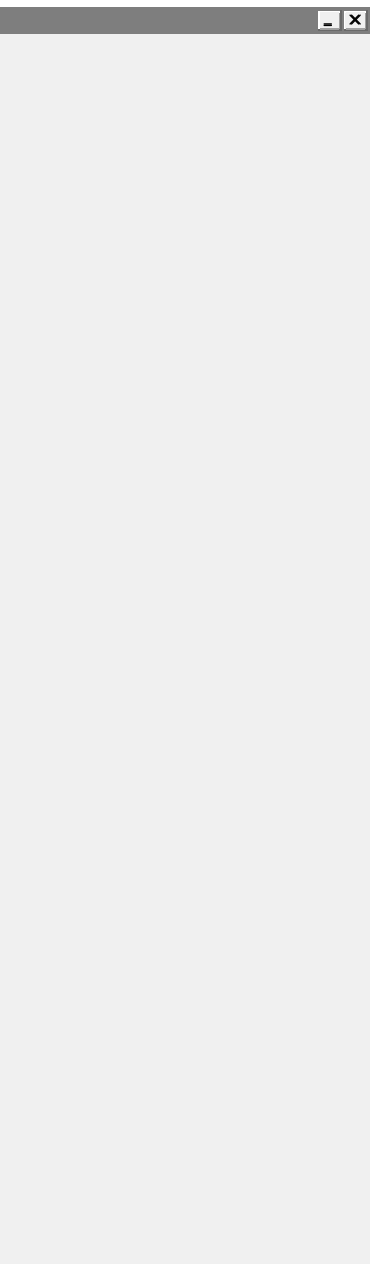
00   1200   1300

00   1200   1300

Index Page