

```
0 // U is User, A is ION Agent (Integrated  
1 // Observatories Network), I is Instrument
```

```
2 global protocol DataAcquisition (role U, role A, role I) {
```

```
3 interruptible { choice at U {  
4   PushMode(InstrumentId) from U to A;  
5   PushMode from A to I;  
6   choice at I {  
7     Supported from I to A;  
8     ConfigPush from A to I;  
9     rec PUSH {  
10      Raw(Data) from I to A;  
11      Formatted(Data) from A to U;  
12      continue PUSH;}  
13   } or { NotSupported from I to A;  
14     ConfigPoll from A to I;  
15     rec POLL {  
16      Poll from A to I;  
17      Raw(Data) from I to A;  
18      Formatted(Data) from A to U;  
19      continue POLL;} } }
```

```
20 } or { PollMode(InstrumentId, int) from U to A;  
21   PollMode from A to I;  
22   choice at I {  
23     Supported from I to A;  
24     ConfigPoll from A to I;  
25     rec POLL {  
26      Poll from A to I;  
27      Raw(Data) from I to A;  
28      Formatted(Data) from A to U;  
29      continue POLL;}  
30   } or { NotSupported from I to A;  
31     parallel {  
32      ConfigPush from A to I;  
33      rec PUSH {  
34      Raw(Data) from I to A;  
35      continue PUSH;}  
36    } and { rec POLL {  
37      Formatted(Data) from A to U;  
38      continue POLL;} } } }  
  
39 } by U with Stop  
40 }
```