FDSN StationXML-SEED Converter - Bug #113

Calibration units not converting from SEED to XML

01/10/2013 02:55 PM - Celso Reyes

| Status:  | Closed       | Start date: | 01/10/2013 |
| Priority: | Normal       | Due date:   |            |
| Assignee: | Yazan Suleiman | % Done:     | 0%         |
| Category: |              | Estimated time: | 0.00 hour |

Description
Calibration units not converting from SEED to XML
v 0.93

Example, net=AK&sta=ANM&cha=BHE&starttime=2012-10-01&level=resp

compare this, (excerpted from SEED that was downloaded directly from IRIS)

```plaintext
# + ---------------------------------+ +
# + ---| Station ANM | Channel BHE |---+
# + +---------------------------------+
B052F08 Signal units lookup: 1 M/S - velocity in meters per second
B052F09 Calibration units lookup: 2 V - emf in volts
```

Directly retrieved by the station service:

```xml
<channel>
  ...
  <ClockDrift>2.0E-4</ClockDrift>
  <CalibrationUnits>
    <Name>V</Name>
  </CalibrationUnits>
  <Sensor>...</Sensor>
  <Response>
    <InstrumentSensitivity>
      <Value>4.8876E8</Value>
      <Frequency>0.2</Frequency>
      <InputUnits>
        <Name>M/S</Name>
        <Description>velocity in meters per second</Description>
      </InputUnits>
      <OutputUnits>
        <Name>COUNTS</Name>
        <Description>digital counts</Description>
      </OutputUnits>
    </InstrumentSensitivity>
  </Response>
</channel>
```

with what we get after conversion from SEED -> XML

```xml
<channel>
  ...
  <ClockDrift>2.0E-4</ClockDrift>
  <Sensor>...</Sensor>
  <Response>
    <InstrumentSensitivity>
      <Value>4.8876E8</Value>
    </InstrumentSensitivity>
  </Response>
</channel>
```
<Frequency>0.2</Frequency>
<InputUnits>
  <Name>M/S</Name>
  <Description>velocity in meters per second</Description>
</InputUnits>
<OutputUnits>
  <Name>COUNTS</Name>
  <Description>digital counts</Description>
</OutputUnits>

History

#1 - 01/10/2013 02:58 PM - Yazan Suleiman
- Status changed from New to Feedback

I think this is taken care of. Please let me know if you still see the problem

#2 - 01/14/2013 10:43 AM - Celso Reyes
- Status changed from Feedback to Closed

Appears to be fixed in the Jan-11 build.
Additionally, the <CalibrationUnits><Description> now properly shows up; it didn't before.