

# XML - разбор

Дан текст, содержащий XML, описывающий измерения, выполненные в скважине. Необходимо прочитать его и вывести среднее значение радиоактивного излучения (Gamma Ray - Corrected).

## Входные данные

XML-файл

## Выходные данные

Среднее значение радиоактивного излучения (Gamma Ray - Corrected)

## Пример

### Вход

см. Приложение1

### Выход

35.33

Приложение 1.

```
<?xml version="1.0" encoding="UTF-8"?>
  <!-- POSC License Agreement
  This file is distributed under the POSC License Agreement at
  http://www.posc.org/about/license.shtml.
  Use of this file constitutes agreement with the POSC License Agreement.
  -->

<logs
  xmlns="http://www.witsml.org/schemas/120"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.witsml.org/schemas/120
  http://www.witsml.org/schemas/120/obj_log.xsd"
  version="1.2.0">
  <log uidWell="Well123" uidWellbore="6KFSJ18" uidLog="176KKJH14"
uidSource="Server1">
  <nameWell>DemoWell2</nameWell>
  <nameWellbore>Wellbore3</nameWellbore>
  <nameLog>Gamma</nameLog>
  <logHeader>
  <serviceCompany>ServiceCompany</serviceCompany>
  <runNumber>10</runNumber>
  <creationDate>2007-02-17T11:21:48.0000000+01:00</creationDate>
  <indexType>Depth</indexType>
  <startIndex>2944.501</startIndex>
  <endIndex>2945.782</endIndex>
  <direction>Increasing</direction>
  <indexCurve>Depth</indexCurve>
  <stepIncrement>0</stepIncrement>
  <indexUnits>m</indexUnits>
  <nullValue>-999.25</nullValue>
  <uomNamingSystem>RP66</uomNamingSystem>
  <logCurveInfo>
  <mnemonic>Depth</mnemonic>
  <unit>m</unit>
  <startIndex>2944.501</startIndex>
  <endIndex>3329.565</endIndex>
  <columnIndex>1</columnIndex>
  <curveDescription>The mnemonic of the index curve</curveDescription>
  <sensorOffset>0</sensorOffset>
  <traceState>Raw</traceState>
  <typeLogData>Double</typeLogData>
  </logCurveInfo>
  <logCurveInfo>
  <mnemonic>GRAX</mnemonic>
  <unit>gAPI</unit>
  <mnemAlias>mgr</mnemAlias>
  <nullValue>-999.25</nullValue>
```

```

<startIndex>2944.501</startIndex>
<endIndex>3329.565</endIndex>
<columnIndex>3</columnIndex>
<curveDescription>Gamma Ray - Apparent</curveDescription>
<typeLogData>Double</typeLogData>
</logCurveInfo>
<logCurveInfo>
  <mnemonic>GRCX</mnemonic>
  <unit>gAPI</unit>
  <mnemAlias>mgrC</mnemAlias>
  <nullValue>-999.25</nullValue>
  <startIndex>2944.501</startIndex>
  <endIndex>3329.565</endIndex>
  <columnIndex>4</columnIndex>
  <curveDescription>Gamma Ray - Corrected</curveDescription>
  <typeLogData>Double</typeLogData>
</logCurveInfo>
</logHeader>
<logData>
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<data>2945.514,45.4,41.5</data>
<data>2945.514,171.6,157</data>
<data>2945.514,468.7,428.8</data>
<data>2945.514,185.3,169.5</data>
<data>2945.514,269.2,246.2</data>
<data>2945.514,53.8,49.2</data>
<data>2945.514,151,138.2</data>
<data>2945.514,44.2,40.4</data>
<data>2945.514,44.2,40.4</data>
<data>2945.514,45.4,41.5</data>
<data>2945.514,99.3,90.8</data>
<data>2945.514,107.9,98.7</data>
<data>2945.514,216.2,197.8</data>
<data>2945.514,298.1,272.7</data>
<data>2945.514,45.4,41.5</data>
<data>2945.514,44,40.2</data>
<data>2945.514,107.9,98.7</data>
<data>2945.514,46.1,42.2</data>
<data>2945.514,47.1,43.1</data>
<data>2945.514,49.9,45.7</data>
<data>2945.514,43.7,40</data>
<data>2945.514,56.7,51.8</data>
<data>2945.514,436.1,399</data>
<data>2945.514,107.9,98.7</data>
<data>2945.514,46.1,42.2</data>
<data>2945.514,47.1,43.1</data>
<data>2945.514,49.9,45.7</data>

```

```
<data>2945.514,43.7,40</data>
<data>2945.514,56.7,51.8</data>
<data>2945.514,436.1,399</data>
<data>2945.514,44.7,40.9</data>
<data>2945.514,47.1,43.1</data>
<data>2945.514,44.2,40.4</data>
<data>2945.514,42.8,39.1</data>
<data>2945.514,42.3,38.7</data>
<data>2945.514,244,223.2</data>
<data>2945.514,40.8,37.4</data>
<data>2945.514,46.6,42.6</data>
<data>2945.514,118.9,108.8</data>
<data>2945.514,273.7,250.4</data>
<data>2945.514,48.5,44.4</data>
<data>2945.514,44.2,40.4</data>
<data>2945.514,45.6,41.7</data>
<data>2945.514,41.8,38.2</data>
<data>2945.514,46.1,42.2</data>
<data>2945.782,46.1,42.2</data>
</logData>
  <commonData>
    <nameSource>SC001</nameSource>
    <dTimStamp>2007-06-11T14:23:34.6010000+02:00</dTimStamp>
    <dTimCreation>2007-06-07T12:00:18.0000000+02:00</dTimCreation>
    <dTimLastChange>2007-06-08T14:57:00.4680000+02:00</dTimLastChange>
    <itemState>Actual</itemState>
  </commonData>
</log>
</logs>
```