

element **DATASET**

diagram	<pre> classDiagram DATASET { +CreatedBy : xs:string +Date : xs:date +Version : xs:string sv:Preprocessing sv:Voxel sv:Grid } sv:Preprocessing { +SetRefernce +Apodization } sv:Voxel { +Lorentzian } </pre>																								
namespace	http://gabrmn.uab.es/jmrui2xml_sv																								
properties	content complex																								
children	sv:Preprocessing sv:Voxel sv:Grid																								
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>CreatedBy</td> <td>xs:string</td> <td>required</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Date</td> <td>xs:date</td> <td>required</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Version</td> <td>xs:string</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	CreatedBy	xs:string	required				Date	xs:date	required				Version	xs:string	required			
Name	Type	Use	Default	Fixed	Annotation																				
CreatedBy	xs:string	required																							
Date	xs:date	required																							
Version	xs:string	required																							
annotation	documentation Root element																								
source	<pre> <xs:element name="DATASET"> <xs:annotation> <xs:documentation>Root element</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Preprocessing"> <xs:complexType> <xs:sequence> <xs:element name="SetRefernce" type="xs:double" minOccurs="0"/> <xs:element name="Apodization" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="Lorentzian"> <xs:complexType> <xs:sequence> </pre>																								

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<xs:element name="Hz" type="xs:integer"/>
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</xs:complexType>
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<xs:element name="Gaussian">
<xs:complexType>
<xs:sequence>
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</xs:sequence>
</xs:complexType>
</xs:element>
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</xs:element>
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<xs:element name="MaxPPM" type="xs:double"/>
</xs:sequence>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="BaselineCorrection" minOccurs="0">
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<xs:element name="MaxPPM" type="xs:double"/>
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<xs:element name="MaxPPM" type="xs:double"/>
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</xs:element>
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<xs:element name="AlignmentCorrection" minOccurs="0">
<xs:complexType>
<xs:sequence>
<xs:element name="isBrainH" type="xs:boolean"/>
<xs:element name="minSNR" type="xs:double"/>
<xs:element name="minSTD" type="xs:double"/>
<xs:element name="maxSTD" type="xs:double"/>
<xs:element name="firstPeak" type="xs:double"/>
<xs:element name="secondPeak" type="xs:double" minOccurs="0"/>
<xs:element name="thirdPeak" type="xs:double" minOccurs="0"/>
</xs:sequence>

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</xs:complexType>
</xs:element>
<xs:element name="AdditionalInformation">
<xs:complexType>
<xs:sequence>
<xs:element name="Name" type="xs:string"/>
<xs:element name="Place" type="xs:string"/>
<xs:element name="Keywords" type="xs:string" minOccurs="0"/>
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</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:choice>
<xs:element name="Voxel">
<xs:complexType>
<xs:sequence>
<xs:element name="Tissue">
<xs:complexType>
<xs:attribute name="Type" type="xs:string"/>
</xs:complexType>
</xs:element>
<xs:element name="Spectrum"/>
</xs:sequence>
<xs:attribute name="FirstPPM" type="xs:double" use="required"/>
<xs:attribute name="LastPPM" type="xs:double" use="required"/>
<xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/>
<xs:attribute name="SNR" type="xs:double"/>
</xs:complexType>
</xs:element>
<xs:element name="Grid">
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<xs:complexType>
<xs:sequence>
<xs:element name="Tissue">
<xs:complexType>
<xs:attribute name="Type" type="xs:string"/>
</xs:complexType>
</xs:element>
<xs:element name="Spectrum"/>
</xs:sequence>
<xs:attribute name="FirstPPM" type="xs:double" use="required"/>
<xs:attribute name="LastPPM" type="xs:double" use="required"/>
<xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/>
<xs:attribute name="Xaxis" type="xs:integer" use="required"/>
<xs:attribute name="Yaxis" type="xs:integer" use="required"/>
<xs:attribute name="Zaxis" type="xs:integer" use="required"/>
<xs:attribute name="SNR" type="xs:double"/>
</xs:complexType>
</xs:element>

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	<pre> </xs:sequence> </xs:complexType> </xs:element> </xs:choice> </xs:sequence> <xs:attribute name="CreatedBy" type="xs:string" use="required"/> <xs:attribute name="Date" type="xs:date" use="required"/> <xs:attribute name="Version" type="xs:string" use="required"/> </xs:complexType> </xs:element> </pre>
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attribute DATASET/@CreatedBy

type	xs:string
properties	use required
source	<xs:attribute name="CreatedBy" type="xs:string" use="required"/>

attribute DATASET/@Date

type	xs:date
properties	use required
source	<xs:attribute name="Date" type="xs:date" use="required"/>

attribute DATASET/@Version

type	xs:string
properties	use required
source	<xs:attribute name="Version" type="xs:string" use="required"/>

element DATASET/Preprocessing

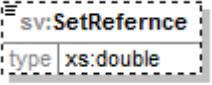
diagram	<pre> classDiagram class sv_Preprocessing { <<Preprocessing>> } class sv_SetRefernce { <<SetRefernce>> type xs:double } class sv_Apodization { <<Apodization>> } class sv_WaterFiltering { <<WaterFiltering>> } class sv_BaselineCorrection { <<BaselineCorrection>> } class sv_NumberOfPoints { <<NumberOfPoints>> } class sv_SetToUnitLength { <<SetToUnitLength>> type xs:boolean } class sv_AlignmentCorrection { <<AlignmentCorrection>> } class sv_AdditionalInformation { <<AdditionalInformation>> } sv_Preprocessing < -- sv_SetRefernce sv_Preprocessing < -- sv_Apodization sv_Preprocessing < -- sv_WaterFiltering sv_Preprocessing < -- sv_BaselineCorrection sv_Preprocessing < -- sv_NumberOfPoints sv_Preprocessing < -- sv_SetToUnitLength sv_Preprocessing < -- sv_AlignmentCorrection sv_Preprocessing < -- sv_AdditionalInformation </pre>
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	content complex
children	sv_SetRefernce sv_Apodization sv_WaterFiltering sv_BaselineCorrection sv_NumberOfPoints sv_SetToUnitLength sv_AlignmentCorrection sv_AdditionalInformation
source	<pre> <xsd:element name="Preprocessing"> <xsd:complexType> <xsd:sequence> <xsd:element name="SetRefernce" type="xs:double" minOccurs="0"/> <xsd:element name="Apodization" minOccurs="0"> <xsd:complexType> <xsd:choice> <xsd:element name="Lorentzian"> <xsd:complexType> <xsd:sequence> <xsd:element name="Hz" type="xs:integer"/> </xsd:sequence> </xsd:complexType> </xsd:element> <xsd:element name="Gaussian"> <xsd:complexType> <xsd:sequence> <xsd:element name="Hz" type="xs:integer"/> </xsd:sequence> </xsd:complexType> </xsd:element> </xsd:choice> </xsd:complexType> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> <xsd:element name="WaterFiltering" minOccurs="0"> <xsd:complexType> <xsd:sequence> <xsd:element name="NumberOfLorentzians" type="xs:integer"/> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>

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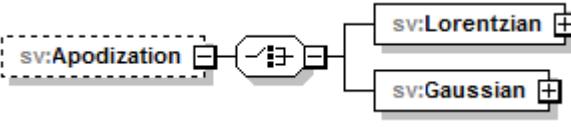
<xs:sequence maxOccurs="3">
  <xs:element name="MinPPM" type="xs:double"/>
  <xs:element name="MaxPPM" type="xs:double"/>
</xs:sequence>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="BaselineCorrection" minOccurs="0">
  <xs:complexType>
    <xs:sequence maxOccurs="3">
      <xs:element name="MinPPM" type="xs:double"/>
      <xs:element name="MaxPPM" type="xs:double"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="NumberOfPoints" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="NrPoints" type="xs:integer"/>
      <xs:element name="MinPPM" type="xs:double"/>
      <xs:element name="MaxPPM" type="xs:double"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="SetToUnitLength" type="xs:boolean" minOccurs="0"/>
<xs:element name="AlignmentCorrection" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="isBrainH" type="xs:boolean"/>
      <xs:element name="minSNR" type="xs:double"/>
      <xs:element name="minSTD" type="xs:double"/>
      <xs:element name="maxSTD" type="xs:double"/>
      <xs:element name="firstPeak" type="xs:double"/>
      <xs:element name="secondPeak" type="xs:double" minOccurs="0"/>
      <xs:element name="thirdPeak" type="xs:double" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="AdditionalInformation">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Name" type="xs:string"/>
      <xs:element name="Place" type="xs:string"/>
      <xs:element name="Keywords" type="xs:string" minOccurs="0"/>
      <xs:element name="Observations" type="xs:string" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

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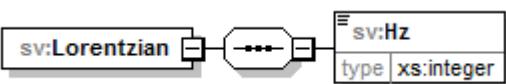
element DATASET/Preprocessing/SetRefernce

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:double
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="SetRefernce" type="xs:double" minOccurs="0"/>

element DATASET/Preprocessing/Apodization

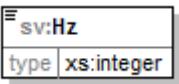
diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	minOcc 0 maxOcc 1 content complex
children	sv:Lorentzian sv:Gaussian
source	<pre> <xs:element name="Apodization" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="Lorentzian"> <xs:complexType> <xs:sequence> <xs:element name="Hz" type="xs:integer"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="Gaussian"> <xs:complexType> <xs:sequence> <xs:element name="Hz" type="xs:integer"/> </xs:sequence> </xs:complexType> </xs:element> </xs:choice> </xs:complexType> </xs:element> </pre>

element DATASET/Preprocessing/Apodization/Lorentzian

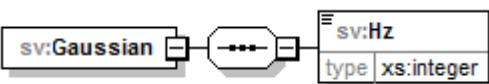
diagram	
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namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	content complex
children	<u>sv:Hz</u>
source	<pre><xs:element name="Lorentzian"> <xs:complexType> <xs:sequence> <xs:element name="Hz" type="xs:integer"/> </xs:sequence> </xs:complexType> </xs:element></pre>

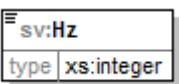
element DATASET/Preprocessing/Apodization/Lorentzian/Hz

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:integer
properties	content simple
source	<pre><xs:element name="Hz" type="xs:integer"/></pre>

element DATASET/Preprocessing/Apodization/Gaussian

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	content complex
children	<u>sv:Hz</u>
source	<pre><xs:element name="Gaussian"> <xs:complexType> <xs:sequence> <xs:element name="Hz" type="xs:integer"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element DATASET/Preprocessing/Apodization/Gaussian/Hz

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv

type	xs:integer
properties	content simple
source	<xs:element name="Hz" type="xs:integer"/>

element DATASET/Preprocessing/WaterFiltering

diagram	<pre> classDiagram class sv::WaterFiltering { <<sv::WaterFiltering>> <<sv::NumberofLorentzians>> <<sv::MinPPM>> <<sv::MaxPPM>> } sv::WaterFiltering < -- sv::NumberofLorentzians sv::WaterFiltering < -- sv::MinPPM sv::WaterFiltering < -- sv::MaxPPM sv::NumberofLorentzians *-- "1..3" sv::WaterFiltering </pre>
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	minOcc 0 maxOcc 1 content complex
children	sv:NumberOfLorentzians sv:MinPPM sv:MaxPPM
source	<xs:element name="WaterFiltering" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="NumberOfLorentzians" type="xs:integer"/> <xs:sequence maxOccurs="3"> <xs:element name="MinPPM" type="xs:double"/> <xs:element name="MaxPPM" type="xs:double"/> </xs:sequence> </xs:sequence> </xs:complexType> </xs:element>

element DATASET/Preprocessing/WaterFiltering/NumberOfLorentzians

diagram	<pre> classDiagram class sv::NumberOfLorentzians { <<sv::NumberOfLorentzians>> type xs:integer } </pre>
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:integer
properties	content simple
source	<xs:element name="NumberOfLorentzians" type="xs:integer"/>

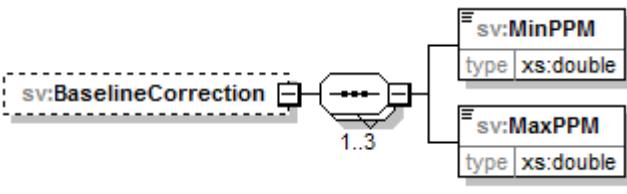
element DATASET/Preprocessing/WaterFiltering/MinPPM

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:double
properties	content simple
source	<xs:element name="MinPPM" type="xs:double"/>

element DATASET/Preprocessing/WaterFiltering/MaxPPM

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:double
properties	content simple
source	<xs:element name="MaxPPM" type="xs:double"/>

element DATASET/Preprocessing/BaselineCorrection

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	minOcc 0 maxOcc 1 content complex
children	sv:MinPPM sv:MaxPPM
source	<pre> <xs:element name="BaselineCorrection" minOccurs="0"> <xs:complexType> <xs:sequence maxOccurs="3"> <xs:element name="MinPPM" type="xs:double"/> <xs:element name="MaxPPM" type="xs:double"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element DATASET/Preprocessing/BaselineCorrection/MinPPM

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:double
properties	content simple
source	<xs:element name="MinPPM" type="xs:double"/>

element DATASET/Preprocessing/BaselineCorrection/MaxPPM

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:double
properties	content simple
source	<xs:element name="MaxPPM" type="xs:double"/>

element DATASET/Preprocessing/NumberOfPoints

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	minOcc 0 maxOcc 1 content complex
children	sv:NrPoints sv:MinPPM sv:MaxPPM
source	<pre> <xs:element name="NumberOfPoints" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="NrPoints" type="xs:integer"/> <xs:element name="MinPPM" type="xs:double"/> <xs:element name="MaxPPM" type="xs:double"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element DATASET/Preprocessing/NumberOfPoints/NrPoints

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:integer
properties	content simple
source	<xs:element name="NrPoints" type="xs:integer"/>

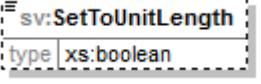
element DATASET/Preprocessing/NumberOfPoints/MinPPM

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:double
properties	content simple
source	<xs:element name="MinPPM" type="xs:double"/>

element DATASET/Preprocessing/NumberOfPoints/MaxPPM

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:double
properties	content simple
source	<xs:element name="MaxPPM" type="xs:double"/>

element DATASET/Preprocessing/SetToUnitLength

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:boolean
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="SetToUnitLength" type="xs:boolean" minOccurs="0"/>

element DATASET/Preprocessing/AlignmentCorrection

diagram	<pre> classDiagram class sv::AlignmentCorrection { sv::isBrainH sv::minSNR sv::minSTD sv::maxSTD sv::firstPeak sv::secondPeak sv::thirdPeak } sv::AlignmentCorrection < -- sv::isBrainH sv::AlignmentCorrection < -- sv::minSNR sv::AlignmentCorrection < -- sv::minSTD sv::AlignmentCorrection < -- sv::maxSTD sv::AlignmentCorrection < -- sv::firstPeak sv::AlignmentCorrection < -- sv::secondPeak sv::AlignmentCorrection < -- sv::thirdPeak </pre>						
namespace	http://gabrmn.uab.es/jmrui2xml_sv						
properties	<table> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> <tr> <td>content</td><td>complex</td></tr> </table>	minOcc	0	maxOcc	1	content	complex
minOcc	0						
maxOcc	1						
content	complex						
children	sv::isBrainH sv::minSNR sv::minSTD sv::maxSTD sv::firstPeak sv::secondPeak sv::thirdPeak						
source	<pre> <xsd:element name="AlignmentCorrection" minOccurs="0"> <xsd:complexType> <xsd:sequence> <xsd:element name="isBrainH" type="xsd:boolean"/> <xsd:element name="minSNR" type="xsd:double"/> <xsd:element name="minSTD" type="xsd:double"/> <xsd:element name="maxSTD" type="xsd:double"/> <xsd:element name="firstPeak" type="xsd:double"/> <xsd:element name="secondPeak" type="xsd:double" minOccurs="0"/> <xsd:element name="thirdPeak" type="xsd:double" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>						

element DATASET/Preprocessing/AlignmentCorrection/isBrainH

diagram	<pre> classDiagram class sv::isBrainH { type xs:boolean } </pre>
namespace	http://gabrmn.uab.es/jmrui2xml_sv

type	xs:boolean
properties	content simple
source	<xs:element name="isBrainH" type="xs:boolean"/>

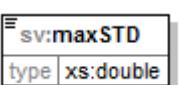
element DATASET/Preprocessing/AlignmentCorrection/minSNR

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:double
properties	content simple
source	<xs:element name="minSNR" type="xs:double"/>

element DATASET/Preprocessing/AlignmentCorrection/minSTD

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:double
properties	content simple
source	<xs:element name="minSTD" type="xs:double"/>

element DATASET/Preprocessing/AlignmentCorrection/maxSTD

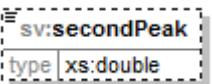
diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:double
properties	content simple
source	<xs:element name="maxSTD" type="xs:double"/>

element DATASET/Preprocessing/AlignmentCorrection/firstPeak

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv

type	xs:double
properties	content simple
source	<xs:element name="firstPeak" type="xs:double"/>

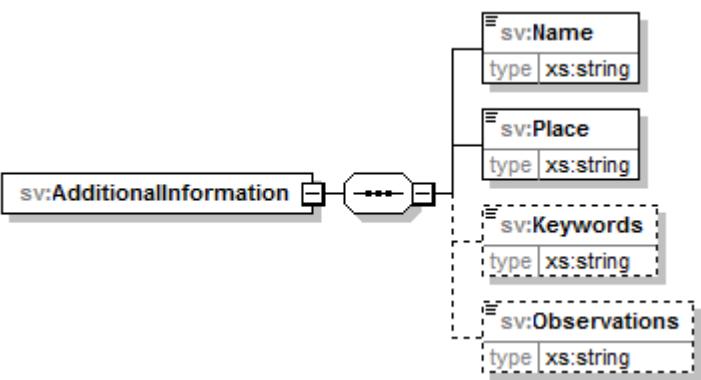
element DATASET/Preprocessing/AlignmentCorrection/secondPeak

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:double
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="secondPeak" type="xs:double" minOccurs="0"/>

element DATASET/Preprocessing/AlignmentCorrection/thirdPeak

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:double
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="thirdPeak" type="xs:double" minOccurs="0"/>

element DATASET/Preprocessing/AdditionalInformation

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	content complex

children	sv:Name sv:Place sv:Keywords sv:Observations
source	<pre><xs:element name="AdditionalInformation"> <xs:complexType> <xs:sequence> <xs:element name="Name" type="xs:string"/> <xs:element name="Place" type="xs:string"/> <xs:element name="Keywords" type="xs:string" minOccurs="0"/> <xs:element name="Observations" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>

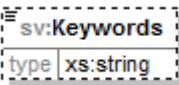
element DATASET/Preprocessing/AdditionalInformation/Name

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:string
properties	content simple
source	<xs:element name="Name" type="xs:string"/>

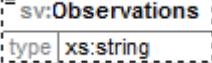
element DATASET/Preprocessing/AdditionalInformation/Place

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:string
properties	content simple
source	<xs:element name="Place" type="xs:string"/>

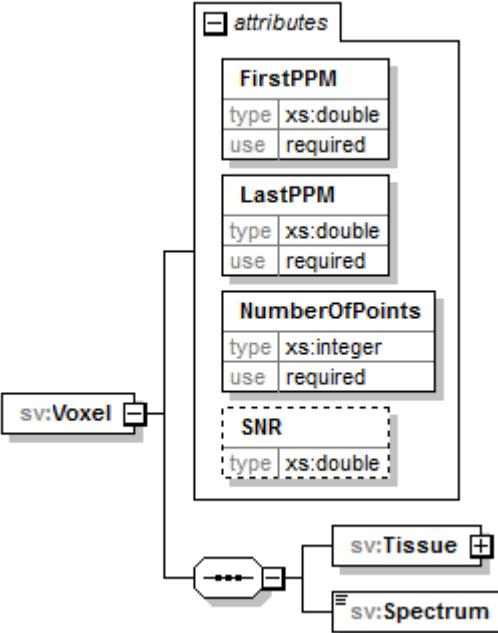
element DATASET/Preprocessing/AdditionalInformation/Keywords

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="Keywords" type="xs:string" minOccurs="0"/>

element DATASET/Preprocessing/AdditionalInformation/Observations

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="Observations" type="xs:string" minOccurs="0"/>

element DATASET/Voxel

diagram																															
namespace	http://gabrmn.uab.es/jmrui2xml_sv																														
properties	content complex																														
children	sv:Tissue sv:Spectrum																														
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>FirstPPM</td> <td>xs:double</td> <td>required</td> <td></td> <td></td> <td></td> </tr> <tr> <td>LastPPM</td> <td>xs:double</td> <td>required</td> <td></td> <td></td> <td></td> </tr> <tr> <td>NumberOfPoints</td> <td>xs:integer</td> <td>required</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SNR</td> <td>xs:double</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	FirstPPM	xs:double	required				LastPPM	xs:double	required				NumberOfPoints	xs:integer	required				SNR	xs:double				
Name	Type	Use	Default	Fixed	Annotation																										
FirstPPM	xs:double	required																													
LastPPM	xs:double	required																													
NumberOfPoints	xs:integer	required																													
SNR	xs:double																														
source	<xs:element name="Voxel"> <xs:complexType> <xs:sequence> <xs:element name="Tissue">																														

	<pre> <xs:complexType> <xs:attribute name="Type" type="xs:string"/> </xs:complexType> </xs:element> <xs:element name="Spectrum"> </xs:sequence> <xs:attribute name="FirstPPM" type="xs:double" use="required"/> <xs:attribute name="LastPPM" type="xs:double" use="required"/> <xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/> <xs:attribute name="SNR" type="xs:double"/> </xs:complexType> </xs:element> </pre>
--	--

attribute DATASET/Voxel/@FirstPPM

type	xs:double
properties	use required
source	<xs:attribute name="FirstPPM" type="xs:double" use="required"/>

attribute DATASET/Voxel/@LastPPM

type	xs:double
properties	use required
source	<xs:attribute name="LastPPM" type="xs:double" use="required"/>

attribute DATASET/Voxel/@NumberOfPoints

type	xs:integer
properties	use required
source	<xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/>

attribute DATASET/Voxel/@SNR

type	xs:double
source	<xs:attribute name="SNR" type="xs:double"/>

element DATASET/Voxel/Tissue

diagram	<pre> classDiagram class sv{Tissue} class attributes { <<attributes>> class Type { <<Type>> type xs:string } } sv --> attributes attributes --> Type </pre>
namespace	http://gabrmn.uab.es/jmrui2xml_sv

properties	content complex
attributes	Name <u>Type</u> Type xs:string Use Default Fixed Annotation
source	<xs:element name="Tissue"> <xs:complexType> <xs:attribute name="Type" type="xs:string"/> </xs:complexType> </xs:element>

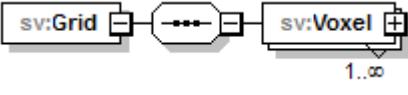
attribute DATASET/Voxel/Tissue/@Type

type	xs:string
source	<xs:attribute name="Type" type="xs:string"/>

element DATASET/Voxel/Spectrum

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
source	<xs:element name="Spectrum"/>

element DATASET/Grid

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	content complex
children	<u>sv:Voxel</u>
source	<pre><xs:element name="Grid"> <xs:complexType> <xs:sequence> <xs:element name="Voxel" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="Tissue"> <xs:complexType> <xs:attribute name="Type" type="xs:string"/> </xs:complexType> </xs:element> <xs:element name="Spectrum"/> </xs:sequence> <xs:attribute name="FirstPPM" type="xs:double" use="required"/> <xs:attribute name="LastPPM" type="xs:double" use="required"/> <xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/> <xs:attribute name="Xaxis" type="xs:integer" use="required"/> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

```

<xs:attribute name="Yaxis" type="xs:integer" use="required"/>
<xs:attribute name="Zaxis" type="xs:integer" use="required"/>
<xs:attribute name="SNR" type="xs:double"/>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

```

element DATASET/Grid/Voxel

diagram	<pre> classDiagram class sv::Voxel { attribute FirstPPM : xs:double attribute LastPPM : xs:double attribute NumberOfPoints : xs:integer attribute Xaxis : xs:integer attribute Yaxis : xs:integer attribute Zaxis : xs:integer attribute SNR : xs:double? association sv::Tissue association sv::Spectrum } </pre>																		
namespace	http://gabrmn.uab.es/jmrui2xml_sv																		
properties	<table> <tr> <td>minOcc</td><td>1</td></tr> <tr> <td>maxOcc</td><td>unbounded</td></tr> <tr> <td>content</td><td>complex</td></tr> </table>	minOcc	1	maxOcc	unbounded	content	complex												
minOcc	1																		
maxOcc	unbounded																		
content	complex																		
children	sv:Tissue sv:Spectrum																		
attributes	<table> <thead> <tr> <th>Name</th><th>Type</th><th>Use</th><th>Default</th><th>Fixed</th><th>Annotation</th></tr> </thead> <tbody> <tr> <td>FirstPPM</td><td>xs:double</td><td>required</td><td></td><td></td><td></td></tr> <tr> <td>LastPPM</td><td>xs:double</td><td>required</td><td></td><td></td><td></td></tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	FirstPPM	xs:double	required				LastPPM	xs:double	required			
Name	Type	Use	Default	Fixed	Annotation														
FirstPPM	xs:double	required																	
LastPPM	xs:double	required																	

	<u>NumberOfPoints</u> xs:integer required <u>Xaxis</u> xs:integer required <u>Yaxis</u> xs:integer required <u>Zaxis</u> xs:integer required <u>SNR</u> xs:double
source	<pre> <xs:element name="Voxel" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="Tissue"> <xs:complexType> <xs:attribute name="Type" type="xs:string"/> </xs:complexType> </xs:element> <xs:element name="Spectrum"/> </xs:sequence> <xs:attribute name="FirstPPM" type="xs:double" use="required"/> <xs:attribute name="LastPPM" type="xs:double" use="required"/> <xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/> <xs:attribute name="Xaxis" type="xs:integer" use="required"/> <xs:attribute name="Yaxis" type="xs:integer" use="required"/> <xs:attribute name="Zaxis" type="xs:integer" use="required"/> <xs:attribute name="SNR" type="xs:double"/> </xs:complexType> </xs:element> </pre>

attribute DATASET/Grid/Voxel/@FirstPPM

type	xs:double
properties	use required
source	<xs:attribute name="FirstPPM" type="xs:double" use="required"/>

attribute DATASET/Grid/Voxel/@LastPPM

type	xs:double
properties	use required
source	<xs:attribute name="LastPPM" type="xs:double" use="required"/>

attribute DATASET/Grid/Voxel/@NumberOfPoints

type	xs:integer
properties	use required
source	<xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/>

attribute **DATASET/Grid/Voxel/@Xaxis**

type	xs:integer
properties	use required
source	<xs:attribute name="Xaxis" type="xs:integer" use="required"/>

attribute **DATASET/Grid/Voxel/@Yaxis**

type	xs:integer
properties	use required
source	<xs:attribute name="Yaxis" type="xs:integer" use="required"/>

attribute **DATASET/Grid/Voxel/@Zaxis**

type	xs:integer
properties	use required
source	<xs:attribute name="Zaxis" type="xs:integer" use="required"/>

attribute **DATASET/Grid/Voxel/@SNR**

type	xs:double
source	<xs:attribute name="SNR" type="xs:double"/>

element **DATASET/Grid/Voxel/Tissue**

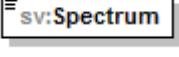
diagram	<pre> classDiagram class sv{Tissue} { attribute Type type xs:string } </pre>												
namespace	http://gabrmn.uab.es/jmrui2xml_sv												
properties	content complex												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>Type</td> <td>xs:string</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	Type	xs:string				
Name	Type	Use	Default	Fixed	Annotation								
Type	xs:string												
source	<pre> <xs:element name="Tissue"> <xs:complexType> <xs:attribute name="Type" type="xs:string"/> </xs:complexType> </xs:element> </pre>												

attribute **DATASET/Grid/Voxel/Tissue/@Type**

type	xs:string
------	------------------

source	<xs:attribute name="Type" type="xs:string"/>
--------	--

element **DATASET/Grid/Voxel/Spectrum**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
source	<xs:element name="Spectrum"/>