1. Datalink in the Browser

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When your product is datalink, browsers may try to open them, giving your users VOTable in the browser.

That’s not nice.

Fix it with XSLT and Javascript.
Showcase: http://dc.g-vo.org/static/datalinks.shtml

Note that the basic HTML table and the SODA parameters transforms presented here were written quite a while ago. What’s new this time around is the vocabulary-based re-organisation into a tree, we can do this now because of tech provided by Vocabularies 2.

(cf. Fig. 1)

2. Basic feature

Turn VOTable into an HTML table and extract a preview:

```html
<VOTABLE>
    <INFO name="QUERY_STATUS" value="OK"/>
    <RESOURCE type="results">
        <TABLE name="dlresponse">
            <FIELD ID="ID" arraysize="*" datatype="char" name="ID" ucd="meta.id;meta.main"/>
            ...<DATA>
            <TABLEDATA>
                <TR>
                    <TD>http://dc.zah.uni-heidelberg.de/sury/survey/floa.test/001995-01-07 time seri...</TD>
                    <TD>1985-01-07 time series for this band
                    <TD>
                    <TD/>
                    ...</TR>
            </TABLEDATA>
        </TABLE>
    </RESOURCE>
</VOTABLE>
```

(cf. Fig. 2)

3. Re-Order To Tree

That’s done in Javascript using the datalink/core vocabulary, which gives the labels and descriptions:

(cf. Fig. 3)

(cf. Fig. 4)
5. DIY

To have this in your Datalink documents, add a PI at the top:

```xml
<?xml-stylesheet
href='/static/xsl/datalink-to-html.xsl'
type='text/xsl'?>
```

In reality (cross-origin request limitations), you need to arrange for the necessary files to be served from your server. Get them from https://github.com/msdemlei/datalink-xslt.

DaCHS, right now, still does server-side XSLT when it believes it is sending Datalink to a browser. That is because years ago browsers had some odd quirks when doing DOM operations on XSLT-transformed data. I think this is much less of a problem these days. Thanks!

Screenshots in this talk from Califa Datalink and Mnster Flare Survey Datalink

4. Prettify SODA Parameters

Using Aladin Lite, let people enter cutouts graphically and spectral ranges in their preferred units:

(cf. Fig. 5)