A2, K. Anderson, J. Swinbank, J. Hessels, B. Stappers, J. Van Leeuwen

A2 + unassigned

J. Hessels, B. Stappers, J. van Leeuwen, A2, M. Wise

A2

A2, Lars

The Pulsar Group

A2, Tom Hassall, Jan David Mol

The Pulsar Group

A2, Tom Hassall, Jan David Mol, J. Hessels, M. Wise

A2, L. Baehren, J. Romain, JD Mol, J. Hessels, K. Anderson

A2, L. Baehren, K. Anderson

in process; low priority

in process

1-2 weeks

in process

in process, 1-week

expected date of readiness

in process

3-4 weeks (mid-Apr)

in process

1-2 weeks

in process

1-2 weeks

in process, 1-week

in process

1-2 weeks

in process; low priority

in process

1-2 weeks

in process

in process

1-2 weeks

in process

1-2 weeks

A2

A2

A2

A2

in process

in process

in process

in process

in process

in process

in process

in process

in process

in process

in process

in process

in process
<table>
<thead>
<tr>
<th>Activity</th>
<th>Responsible/Involvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Write “how-to” run the Known Pulsar Pipeline w/ the Framework</td>
<td>Ken, A2, PWG</td>
</tr>
<tr>
<td>Pipeline Framework issues/problems/hickups action items</td>
<td>Ken, John S., A2, Adriaan</td>
</tr>
<tr>
<td>Enhance Pulsar Pipeline</td>
<td>Ken, John S., A2, Adriaan, Ken</td>
</tr>
<tr>
<td>Design Pulsar Pipeline(s) for other observing modes including survey</td>
<td>M. Wise</td>
</tr>
<tr>
<td>Integrate prototype Pulsar Search Pipeline (cpp) into USG (summer student)</td>
<td>A2, Vlad</td>
</tr>
<tr>
<td>Integrate new Pulsar Search Pipeline into USG (w/G)</td>
<td>A2, Vlad</td>
</tr>
<tr>
<td>Pulsar Pipeline: finalize details/code + add SSPS functionality &amp; perform extensive testing</td>
<td>Thijs, Lars, A2</td>
</tr>
<tr>
<td>Pulsar Search Pipeline: profiling and speed up + model (limited for multi-beam modes)</td>
<td>Thijs</td>
</tr>
<tr>
<td>Documentation/diagrams/wishes of Pulsar Pipeline + tools for LOFAR science users</td>
<td>A2, Vlad, PWG</td>
</tr>
<tr>
<td>Observing Plan / Regular weekly testing of BF observations</td>
<td>A2, Vlad, PWG</td>
</tr>
<tr>
<td>Pulsar Pipeline (cpp &amp; py) profiling (if speed is less than real-time, most relevant for multi-beam modes)</td>
<td>A2, Vlad</td>
</tr>
</tbody>
</table>

**BF2H5 offline version**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Responsible/Involvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>BF2H5 offline version</td>
<td>Mike to assign this issue to different group</td>
</tr>
<tr>
<td>Extraction process of parameters/DB out of LOPARSOFT &amp; distribute offline</td>
<td>Alessio, Aris, Chris, Fred, Ben</td>
</tr>
<tr>
<td>Integration PULICAN &amp; PULICAN-LOFAR into USG</td>
<td>Lars</td>
</tr>
<tr>
<td>Integrate Pelican-LOFAR with PULICAN and DIAL</td>
<td>Jan David, Lars, Oxford Group</td>
</tr>
<tr>
<td>Top packets convert module for Pelican</td>
<td>Jan David</td>
</tr>
<tr>
<td>HDF5 data writer module for Pelican</td>
<td>Jan David</td>
</tr>
<tr>
<td>Create stand-alone BF2H5 tool</td>
<td>Masaya, James Anderson</td>
</tr>
</tbody>
</table>

**Archive**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Responsible/Involvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Pulsar Archive (organize, create scripts, maintain web pages)</td>
<td>Joel, Vlad</td>
</tr>
<tr>
<td>Investigate SARA + Grid processing (LTA) potential</td>
<td>Joel, Jason, A2</td>
</tr>
<tr>
<td>Sync Archive scheme with BF ICD</td>
<td>A. Renting, A2, J. Hessels, M. Wise, R. Overeem</td>
</tr>
<tr>
<td>Archive pulsar raw data</td>
<td>A. Renting, A2</td>
</tr>
<tr>
<td>Archive Pulsar Pipeline Processed data</td>
<td>A. Renting, A2</td>
</tr>
</tbody>
</table>

1st version Apr 7th
John, Jan David and Rob have completed the discussions; 4-phased for transpose prep, then transpose.
Rob will no longer be involved; Jan David will implement the entirety of the 2nd transpose.

Need to ask Jan David for a status on this issue; rumor has it that this is working.

John is working with Ruud on the messaging/communication aspect.

Working again; can read parsfile and feed keys to header; works w/o UDP.
Lars has spoken to Marcel and emailed relevant info; Lars to touch base with Marcel to implement in.

4 types are: 1D arrays, ND arrays, 1D tables, ND tables (note ND arrays are memory limited)
John Roman's comments and James Anderson's comments integrated; moved Coord Group; may c should be a chart in the ICD to view typical data sizes for types of observations; waiting on Jason.
DAL is missing Array/Table next() methods from sub-groups; Lars to add functionality before benchmark.

Put this as an agenda item for discussion during the next BF status meeting.

Implemented three highest bars of H5 structure (not yet lowest bar where the data structures are).

need to formalize the to-do and bug list.

Mike to start up the process of asking Arno to include this in a daily build.

note, depends on system install of GSPLOT.
workarounds for problems with reading files with line length > 70 chars; fix requested to developer.
acpolate will fail (non LOFAR data); cmake external dependencies can be made smarter (Lars).
Does not build on the Mac (needs specific version of X11)
Does not build on the Mac (needs specific version of X11)

fixing problems as they unfold.
Ramesh would like a copy of the software suite within cmake; TEMPO doesn't build on Mac OS 10.6.

Tom needs to check in his version into the ISG repository.
A2 updated to use 8-cores per mode; speed increase 5-6 times.

create use-cases and map these to tools/param settings; start at PBW #6.
do we need to integrate the Transient S/W repository with the USG S/W repository?
current SfI scripts pipeline described and sent to Ken; John & Ken to meet about Python Framework.
not needed for completion of first pipeline release

on target to meet one month deadline from start-up of project.

meetings took place to mesh the LOFAR ICD with the Archive schema