

VLASS: What Comes Next?



Claire Chandler, VLASS Project Director

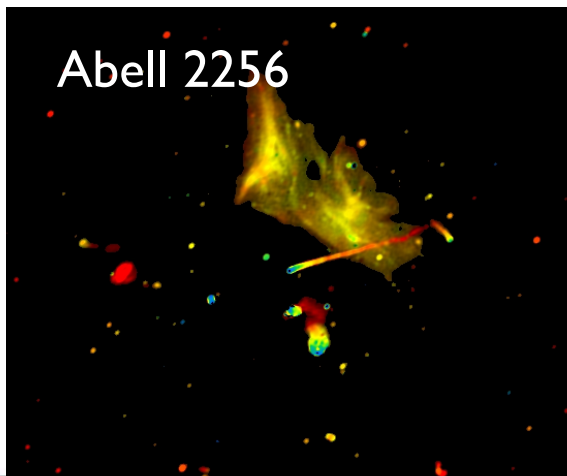
Atacama Large Millimeter/submillimeter Array
Expanded Very Large Array
Robert C. Byrd Green Bank Telescope
Very Long Baseline Array



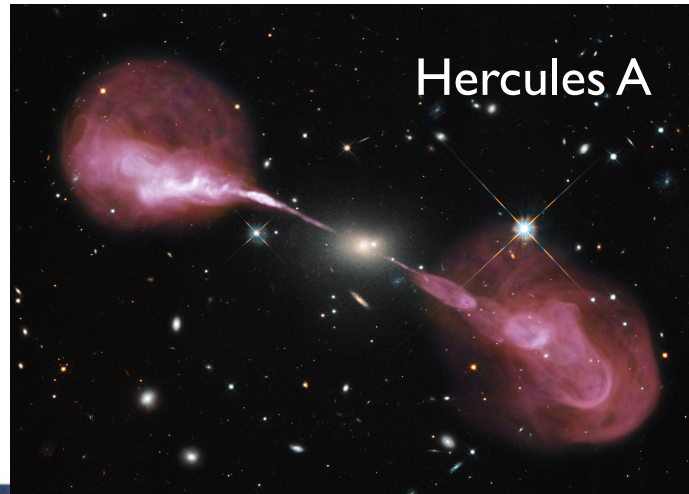
Current Status and Next Steps

- White papers and workshop have provided key inputs
 - Excellent science cases covering everything from the nearby to high- z universe
- Can summarize what we have heard so far as:
 - We want everything (high sensitivity, higher spatial resolution, high spectral resolution, full polarization, high time resolution, multiple epochs, new configurations...)
 - Low-mid frequency (1-15 GHz)
- Now need to refine science cases, define survey parameters to maximize scientific return and long-term value

Abell 2256



Hercules A



Key Timescales

- In order to evaluate the potential impact of the survey on semester 2015A (next B and A configurations) prior to the associated Call for Proposals (deadline August 1, 2014), survey plan must be finalized no later than mid-June, 2014
 - Would potentially enable the start of data collection in the next B config, February 2015, if it is decided this is an appropriate configuration for the survey
- This requirement sets the following timescales and milestones:

| Milestone | Approx. target date |
|--------------------------------------|---------------------|
| Finalize primary science goals | 2014 April 1 |
| Review system technical requirements | 2014 May 1 |
| Final Design Review | 2014 June 10 |

Survey Organizational Structure

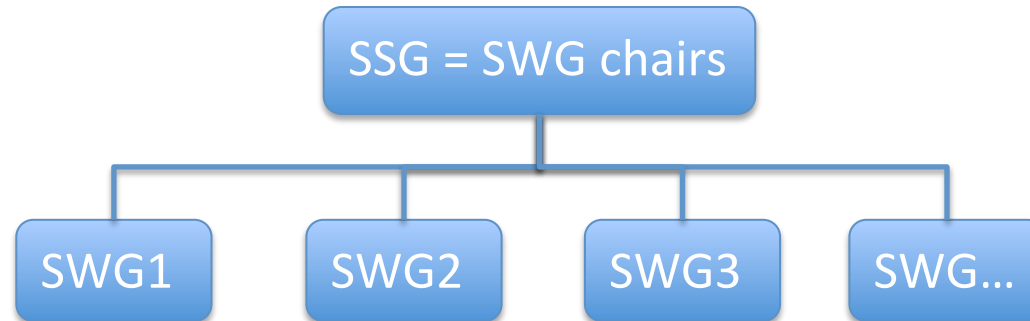
- Phases:
 - Phase I: Survey Organization (Aug 2013 – Jan 2014)
 - Phase II: Survey Design (Feb 2014 – Jun 2014)
 - Phase III: Survey Implementation (Jul 2014 –)
- Organization:



- Project Director: Claire Chandler
- Survey Design Group and Survey Implementation Team: Steve Myers
- SOC led by Stefi Baum, will define structure and membership of SSG

Survey Science Group

- Structure similar to NRAO TAC:



- SSG comprises chairs of science theme-based Science Working Groups
 - SOC to define SWG themes, SSG membership, and SSG chair
- Key deliverables:
 - Survey Proposal, based on WPs, outcome of this workshop, and SWG discussions; include quantitative science requirements, goals and priorities
 - Lead discussion at Final Design Review
 - Advocacy, community-added survey and science products
- NRAO role in SSG is that of coordination and facilitation

Stay Tuned...

