

CASA User Committee Report

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What is CASA User Committee (CUC) ?

Representatives of CASA Users from each ALMA Region.

Collect comments / opinions from each of their regions,
and knowledge transfer

Annual Meeting in NRAO with the CASA Team (Nov. 8-9; 2017),
comment, and submit a written report to the CASA Team.

CUC Telecon (next April)

The report and presentations are publicly available.

CUC (Underlined members rotate off this year)

EU: Ilse van Bemmelen, Alex Karim (Chair)

NA: David Wilner, Yi-Jehn Kuan (TW), Ximena Fernandez,
Danny Jacobs, **Chris De Pree (—> Next CUC Chair)**

EA: Shigehisa Takakuwa, Youngjoo Yun (Absent ?)

CI: No one.....

By 4/2018, Need EU (1), NA (3), and CI(1),
single dish, weirdos (external users e.g. HERA), VLA

CASA User Committee Face-2-Face Meeting 2017 Program

November 8 (Wed.)

CASA Status and Overview

CASA Liaison Position

CASA Performance Benchmarks

Coffee Break

Validation Testing and Strategy

CASA Documentation Status and Roadmap

Lunch

CASA Survey Reception and CUC Regional Updates

Single Dish Development

Science Ready Data Products

Coffee Break

Imaging Advancements, Challenges, and Roadmap

Pipeline Status, Performance, Roadmap (draft)

AWS / XSEDE

November 9 (Thu.)

Parallelization and HPC

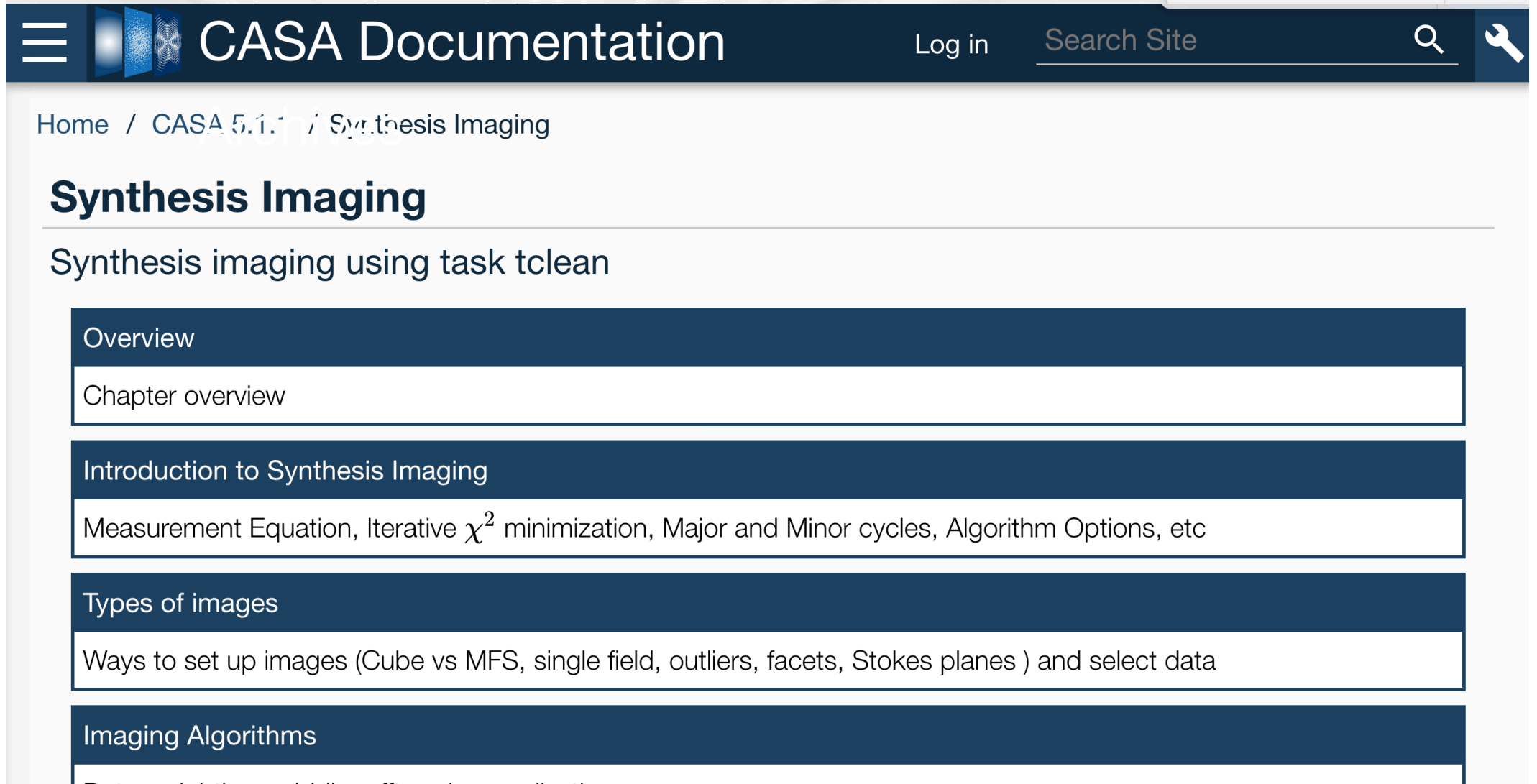
CARTA Development Status & [Demo](#)

Robustness / Crash Reporter Status

Very Thorough Review of
the Latest Status of CASA!!

Latest Update

1. CASA Guide, CASA Docs



The screenshot shows the top navigation bar of the CASA Documentation website. It includes a hamburger menu icon, the CASA logo, the title "CASA Documentation", a "Log in" link, a "Search Site" input field with a magnifying glass icon, and a wrench icon. Below the navigation bar is a breadcrumb trail: "Home / CASA 5.1.1 / Synthesis Imaging". The main heading is "Synthesis Imaging", followed by a sub-heading "Synthesis imaging using task tclean". There are four content blocks, each with a dark blue header and a white body:

- Overview**: Chapter overview
- Introduction to Synthesis Imaging**: Measurement Equation, Iterative χ^2 minimization, Major and Minor cycles, Algorithm Options, etc
- Types of images**: Ways to set up images (Cube vs MFS, single field, outliers, facets, Stokes planes) and select data
- Imaging Algorithms**

CASA Doc is really really Good!!

2. CASA Newsletter

CASA News

Issue 5
26 September 2017

From the Lead

CASA Users Committee Input Solicited

CASA Releases 5.0 and 5.1

CASA Docs: The new CASA Documentation System

Visibility Retrieval and Processing with VisibilityIterator2

CASA Pipelines Update

ALMA & NRAO Help Desks

Radio-astro-tools

Cube Analysis and Rendering Tool for Astronomy

Featured Image: CASA Images the Sun

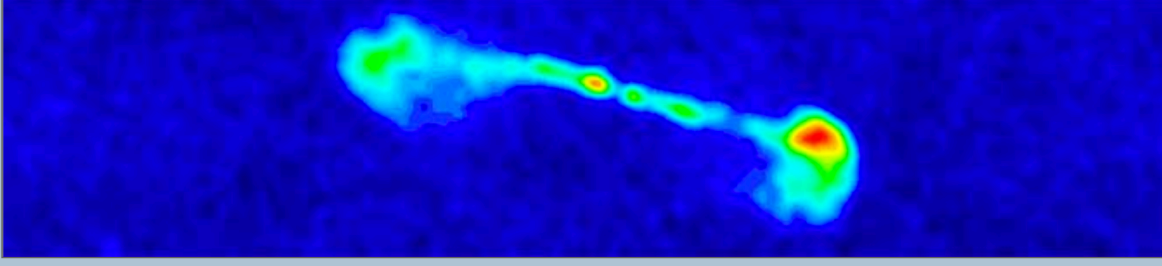
The 'MS transition' of Single Dish tasks

VLA Tropospheric Delay Error Correction in CASA

CASA Calendar

CASA News

Issue 5 • 26 September 2017



From the Lead

Morgan Griffith

As you may know, Jeff Kern has moved to another role at NRAO, directing the development of Science Ready Data Products (SRDP). This work will be described in a future CASA News and is anticipated to dovetail with CASA. We thank Jeff for his years of service and dedication to CASA. His leadership and expertise have had a significant impact on making CASA the system that it is today. We wish him well in his new role.

We have been seeking a new CASA Lead this summer, and after an extensive search have hired Ryan Raba. Ryan has degrees in Astrophysics and Computer Engineering from Penn State, and a Master's of Science degree in Systems Engineering from Cornell. He worked on digital signal processing techniques with interferometers at Lockheed Martin, and after 13 years there, moved to the Federal Bureau of Investigation, where he has worked for the

Issue
twice a year

3. Hiring of CASA User Liaison (Bjorn Emonts)

—> Ask him to come to EA.

4. Much Improvement of the Imaging Pipeline.

Other Ongoing Works

In progress: Crash Reporter Analysis, benchmarking, User outreach

Needs attention: CASA User Survey, CARTA rollout, HPC outreach

Other Remarks

Parallelized tclean available for general users.
(Auto-boxing also available.)

CASA Update Plan for SKA and ngVLA.

Isolation of the EA Community.

Standard Task to combine ACA + 12 m
→ EA Team needs to work!!