SSS Group Management

Review of SSS Software Readiness for SRO, June 5, 2009

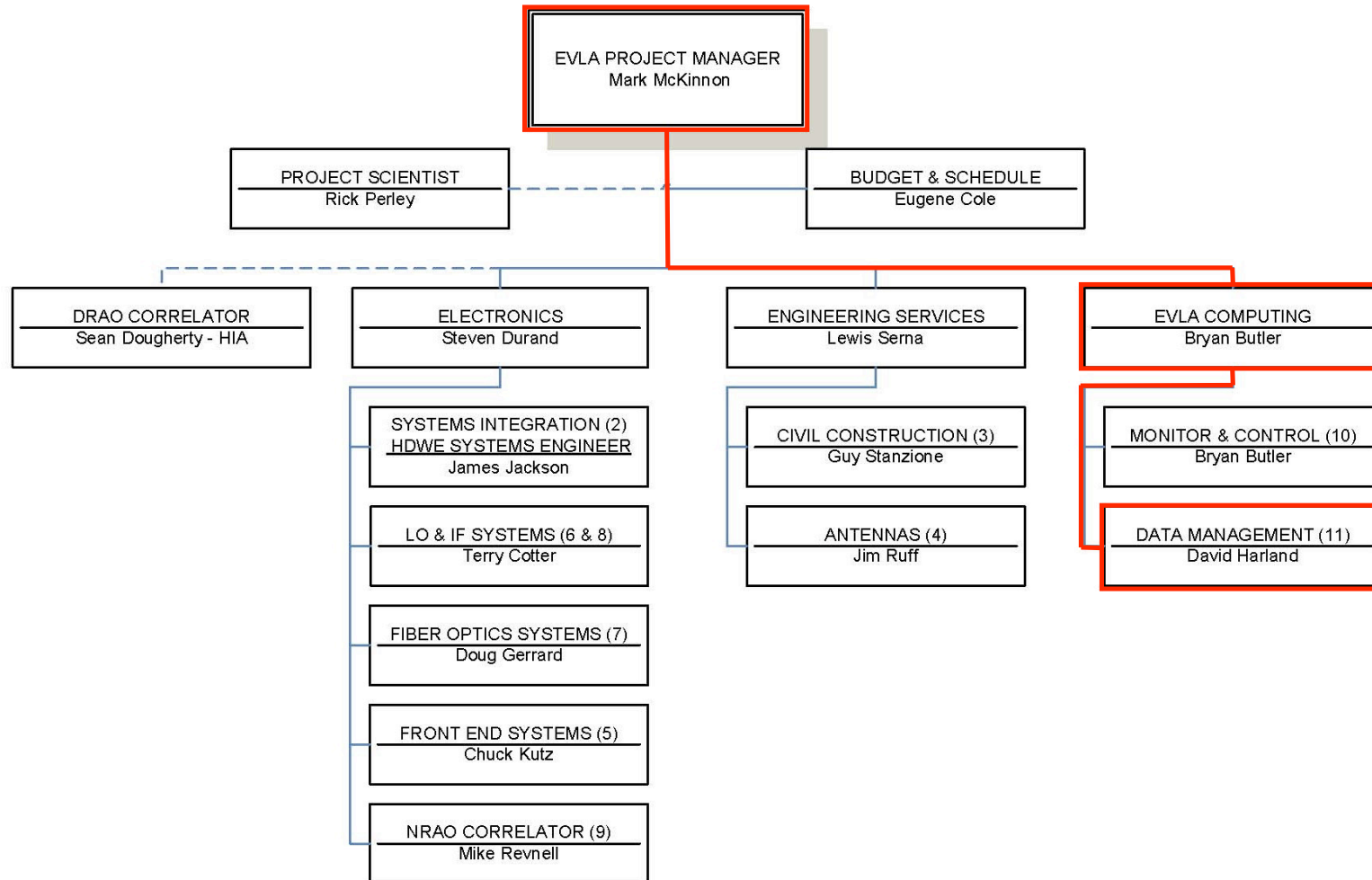## Bryan Butler & David Harland

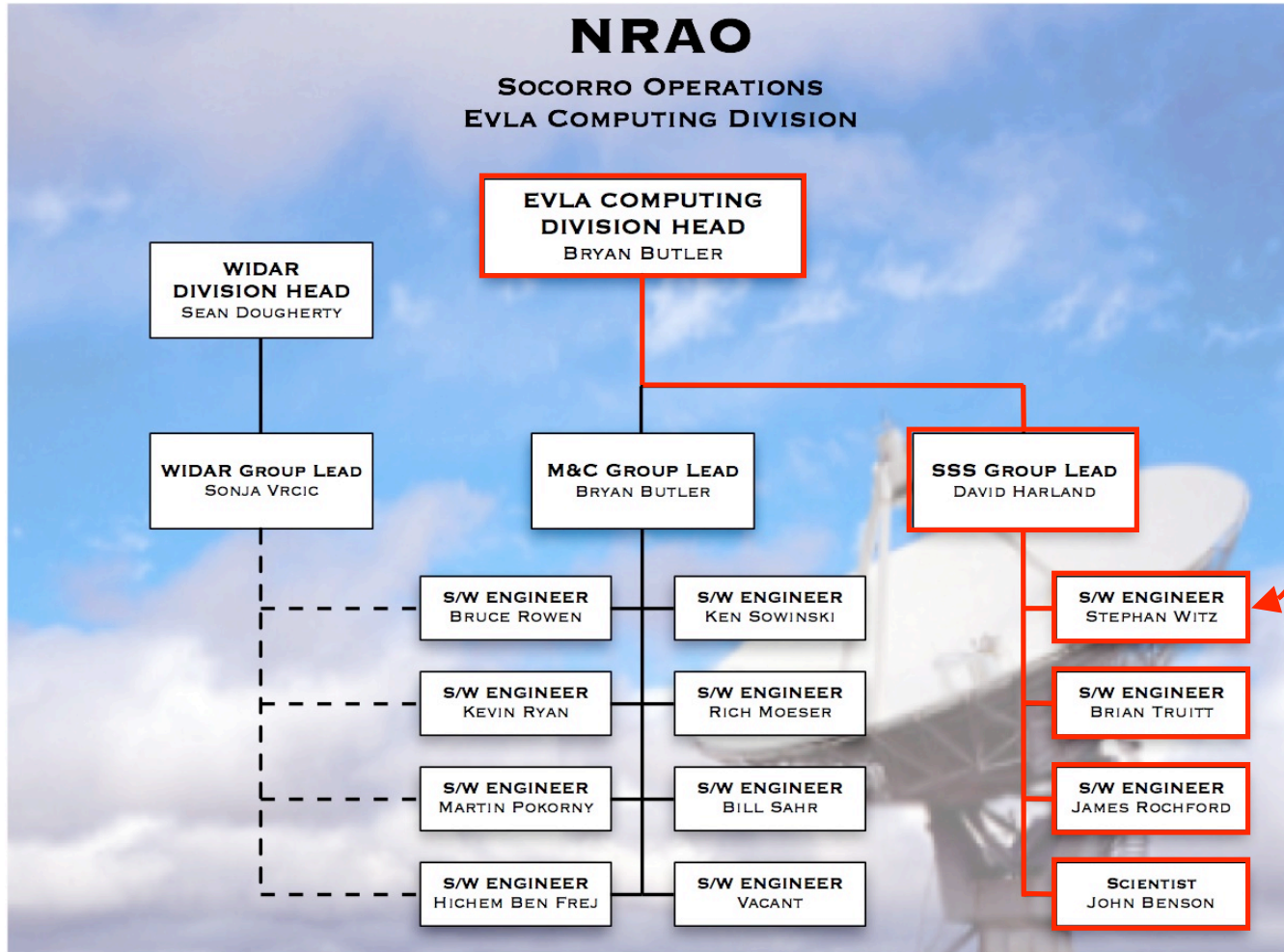### EVLA Computing Division Head
& SSS Group Supervisor

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

NRAO

EVLA Project

EVLA PROJECT MANAGER
Mark McKinnon

PROJECT SCIENTIST
Rick Perley

BUDGET & SCHEDULE
Eugene Cole

DRAO CORRELATOR
Sean Dougherty - HIA

ELECTRONICS
Steven Durand

ENGINEERING SERVICES
Lewis Serna

EVLA COMPUTING
Bryan Butler

SYSTEMS INTEGRATION (2)
HDWE SYSTEMS ENGINEER
James Jackson

LO & IF SYSTEMS (6 & 8)
Terry Cotter

FIBER OPTICS SYSTEMS (7)
Doug Gerrard

FRONT END SYSTEMS (5)
Chuck Kutz

NRAO CORRELATOR (9)
Mike Revnell

CIVIL CONSTRUCTION (3)
Guy Stanzione

ANTENNAS (4)
Jim Ruff

MONITOR & CONTROL (10)
Bryan Butler

DATA MANAGEMENT (11)
David Harland

EVLA Computing Division

SSS Group

- David Harland group supervisor for past two years
- Stephan Witz half time - split with web administration duties
- Stephan Witz and John Benson are on the NM Operations budget
- Brian Truitt and James Rochford are on the EVLA Construction budget; Brian scheduled to come off in December 2010, James in January 2011 - well beyond the beginning of SRO
- 4.5 FTE effort through beginning of SRO

Budget

- The budget for the SSS group is dominated by labor.
- Small M&S budget for new computer hardware, books, training, travel, etc.
- No major expenditures expected before SRO begins
- Note that disk for archive is covered by NM Ops budget; there is money for the SRO archive costs in the EVLA construction budget as a contingency if something very bad happens to the NM Ops budget

Schedule

- Identified major 2009 SSS tasks in December 2008.
  - Created plan for 2009 Q1 (see
    https://staff.nrao.edu/evla/sss/planning/sssPlanning2009Q1.shtml)
    - Plan was for all SSS tasks, not just SRO.
    - Group experienced several software problems in Q1 and was involved in more user support than planned. Also placed renewed emphasis on pulling tasks from JIRA, which in turn de-emphasized maintenance of schedule webpage.

- New SRO-only Schedule
  - https://staff.nrao.edu/evla/sss/planning/sssPlanning.shtml
  - A subset of all SSS tasks, making the SRO-critical tasks more apparent.
  - Most of the milestone dates are calculated from the tasks that lead to them
    - 2010-Jan-15 is set by management, not calculated. All other milestones need to precede this one or else schedule is in trouble.

Schedule

- New SRO-only Schedule (continued)
  - With current staff schedule indicates we will meet the minimum SRO targets.
    - Rochford and Harland are on critical path.
    - If something starts to slip, we can redirect some time from Truitt and Witz to help.
    - In some areas we will have more than the minimum SRO targets (eg, total bandwidth, # of subbands, independent tunability of SBs, independent widths of SBs).
      - Management will have option of offering more OSRO capabilities than advertised.
      - Plan is to wait until later part of year before adding code to restrict capabilities.
  - Will continue to use efforts from December 2008 to guide non-SRO work.