

| OSRO Targets     |   |          |               |   |           |                 |
|------------------|---|----------|---------------|---|-----------|-----------------|
| Major Milestones |   |          | Priorities    |   |           |                 |
| 10/1/2009        | Proposal deadline   |          |               | 0=Will not start observing without this                   |           |                 |
| 12/1/2009        | CASA 3.0 release  |          |               | 1=Required for start of OSRO                              |           |                 |
| 1/15/2010        | Commissioning of 27-element capable WIDAR                         |          |               | 2=Desirable for start of OSRO                             |           |                 |
| 3/1/2010         | EVLA early science with WIDAR begins                              |          |               | 3=Not needed for start of OSRO (but needed at some stage) |           |                 |
| Date (original)  | Target  | Priority | Date complete | Personnel   | Sections  | Section leads   |
|                  | Ongoing science ops targets                                       |          |               |   |           |                 |
| 9/25/2009        | Begin VLA DnC configuration: EVLA demo science observations       | 1        |               | Schedsoc/Rupen  | Sci       | Chandler        |
| 10/1/2009        | AAS abstracts due   | 1        |               | Rupen   | Sci       | Chandler        |
| 10/16/2009       | Begin VLA D configuration   | 1        |               | Schedsoc  | Sci       | Chandler        |
|                  | Proposal deadline   |          |               |   |           |                 |
| 9/1/2009         | New EVLA website for all users                                    | 2        |               | vanMoorsel/Witz   | CIS, Sci  | Chandler        |
| 10/1/2009        | Proposal deadline, EVLA D/DnC-configuration                       | 1        |               | Schedsoc  | Sci       | Chandler        |
|                  | CASA 3.0 release  |          |               |   |           |                 |
|                  | Testing needed:   |          |               |   |           |                 |
| 10/1/2009        | ALMA pipeline autoflag available as task in CASA                  | 2        |               | Larsen/vanMoorsel/Goss/Ott                                | CASA      | Butler, Elias   |
| 10/1/2009        | CLEAN box manipulation in CASA (FILEBOX equivalent)               | 1        |               | Ye/Owen   | CASA, Sci | Elias, Chandler |
| 10/1/2009        | UVFIX equivalent in CASA  | 2        |               | Reid/Fomalont/Mioduszewski/Kogan                          | CASA, Sci | Elias, Chandler |
| 10/1/2009        | Implement autoflagging as task in CASA                            | 2        |               | Larsen/vanMoorsel/Goss/Ott                                | CASA, Sci | Elias, Chandler |
| 10/1/2009        | Selection of specified subarrays of data in CASA                  | 2        |               | Reid/Mioduszewski   | CASA, Sci | Elias, Chandler |
| 10/1/2009        | Subset of intents in UVFITS for AIPS                              | 2        |               | Moellenbrock/Rupen/Greisen                                | CASA, Sci | Chandler        |
| 10/1/2009        | Test flagging of shadowed antennas in CASA (waiting for D-config) | 1        |               | Larsen/Brisken  | CASA, Sci | Elias, Chandler |
| 10/1/2009        | CASA filler to fill Tsys and WX data                              | 1        |               | Caillat/testers needed                                    | CASA      | Butler, Elias   |
| 10/1/2009        | Fast plotting in CASA   | 1        |               | Moellenbrock/Ott/Momjian                                  | CASA, Sci | Elias, Chandler |
| 12/1/2009        | Test end-to-end processing of OSRO datasets                       | 1        |               | Moellenbrock; scistaff testers                            | CASA      | Butler, Elias   |
|                  | Development needed:   |          |               |   |           |                 |
| 8/7/2009         | CLCOR-like task in CASA   | 1        |               | Moellenbrock/Fomalont/Dhawan                              | CASA, Sci | Elias, Chandler |
| 8/31/2009        | Flagging of shadowed antennas in CASA filler                      | 3        |               | Caillat/Brisken   | CASA, Sci | Elias, Chandler |
| 9/1/2009         | Pass TY tables to AIPS via UVFITS                                 | 1        |               | CASA  | CASA      | Butler, Elias   |
| 9/1/2009         | Offer Tant/Tsys plotting in plots                                 | 1        |               | Moellenbrock/testers needed                               | CASA      | Butler, Elias   |
| 9/30/2009        | Enable Tsys scaling of data in CASA                               | 1        |               | Moellenbrock/testers needed                               | CASA      | Butler, Elias   |
| 10/1/2009        | CORR-dependent flagging in CASA                                   | 2        |               | Moellenbrock/testers needed                               | CASA      | Butler, Elias   |
| 10/1/2009        | CASA spectral line and cube analysis                              | 3        |               | CASA developers; testers needed                           | CASA      | Butler, Elias   |
| 10/1/2009        | CASA plotting and image annotation                                | 3        |               | CASA developers; testers needed                           | CASA      | Butler, Elias   |
| 10/1/2009        | CASA support for Solar System objects                             | 3        |               | CASA developers/Butler; testers needed                    | CASA      | Butler, Elias   |
| 10/1/2009        | CASA code freeze  | 1        |               | CASA  | CASA      | Butler, Elias   |
| 11/1/2009        | Finalize and verify CASA/UVFITS/AIPS data path                    | 1        |               | Moellenbrock/Rupen  | CASA      | Butler, Elias   |
| 12/1/2009        | CASA production release   | 1        |               | CASA  | CASA      | Butler, Elias   |
| 1/15/2010        | CASA cookbook updated for OSRO                                    | 1        |               | Myers   | Sci       | Chandler        |
| 3/1/2010         | Image polarizations separately (non-joint deconvolution) in CASA  | 2        |               | Golap/Perley  | CASA, Sci | Elias, Chandler |
| 4/1/2010         | Allow flagging based on Tsys and other parameters in CASA         | 2        |               | Larsen/testers needed                                     | CASA      | Butler, Elias   |
| 4/1/2010         | Allow easy plotting of histograms for cubes in CASA               | 1        |               | Schiebel/testers needed                                   | CASA      | Butler, Elias   |
|                  | Commissioning of 27-element capable WIDAR                         |          |               |   |           |                 |
| 9/1/2009         | Test AAT automatic conversion of retrieved EVLA data to UVFITS    | 1        |               | van Moorsel/Sjouwerman/Rupen                              | Sci       | Chandler        |

|            |  |   |                                     |          |                    |
|------------|--|---|-------------------------------------|----------|--------------------|
| 9/1/2009   | SIB CMIBs Tcal/Tsys calculation                              | 0 | M&C/Dhawan                          | M&C, Sci | Butler, Chandler   |
| 9/1/2009   | Tcal values stored in database for transmission to MCAF      | 0 | M&C/Dhawan                          | M&C, Sci | Butler, Chandler   |
| 9/1/2009   | Transmit Tsys values to MCAF                                 | 0 | M&C/Dhawan                          | M&C, Sci | Butler, Chandler   |
| 9/1/2009   | Write Tsys into SDM  | 0 | M&C/Dhawan                          | M&C, Sci | Butler, Chandler   |
| 9/1/2009   | Test system temperature calibration                          | 0 | R. Perley/scistaff                  | Sci      | Chandler           |
| 9/1/2009   | CBE averaging and decimation in frequency                    | 2 | Pokorny/Rupen                       | M&C      | Butler             |
| 9/1/2009   | Implement frequency averaging in AAT                         | 1 | Benson/Rupen/Sjouwerman             | SSS      | Butler             |
| 9/8/2009   | Write fully-populated data format for OSRO                   | 0 | Rupen                               | Sci      | Chandler           |
| 9/12/2009  | Test CBE averaging and decimation in time                    | 1 | Pokorny/Rupen                       | M&C      | Butler             |
| 9/15/2009  | Begin tests of OSRO modes with WIDAR-0                       | 1 | Rupen/Dhawan/Ott                    | Sci      | Chandler           |
| 10/1/2009  | WIDAR timing code problems resolved                          | 0 | Rupen/Fort                          | Sci      | Chandler           |
| 11/1/2009  | Write correctly-populated data format for OSRO               | 0 | Rupen                               | Sci      | Chandler           |
| 11/1/2009  | Test delay calibration procedure for WIDAR-0 in CASA         | 2 | Rupen/Dhawan/Perley/Moellenbrock    | Sci      | Chandler           |
| 11/30/2009 | SSS ready to create OSRO WIDAR configurations in RCT         | 1 | Harland/new hire                    | SSS      | Harland            |
| 1/1/2010   | Bandpass stability tests with WIDAR-0                        | 1 | R. Perley/Momjian/Ott               | Sci      | Chandler           |
| 1/1/2010   | Executor controls correlator                                 | 1 | Clark/Vrcic/Harland                 | M&C, SSS | Butler, Harland    |
| 1/1/2010   | Other CBE processing   | 1 | Pokorny/Rupen                       | M&C      | Butler             |
| 1/1/2010   | Primary beam measurements and holography                     | 2 | R. Perley/Hesman                    | Sci      | Chandler           |
| 1/1/2010   | TelCal complete, ref. ptg.                                   | 0 | Sowinski/Butler/Clark/Cummings      | M&C      | Butler             |
| 1/11/2010  | Shut down VLA correlator                                     | 1 | Operations                          | Ops      | P. Perley          |
|            |  |   |                                     |          |                    |
|            | EVLA early science with WIDAR begins                         |   |                                     |          |                    |
|            |  |   |                                     |          |                    |
| 7/1/2009   | Prototype online helpdesk                                    | 1 | Chandler/Witz/CIS                   | Sci, CIS | Chandler, Halstead |
| 7/31/2009  | Complete SSS requirements for OSRO                           | 1 | Wrobel/Sjouwerman/Claussen          | Sci      | Chandler           |
| 8/15/2009  | Test AAT single sign-on using external testers               | 1 | Sjouwerman                          | Sci      | Chandler           |
| 10/1/2009  | OPT pre-populate project code only from PST                  | 1 | Harland/Witz/OpenSky/Sjouwerman/C   | SSS      | Harland            |
| 10/1/2009  | OPT pre-populate full project from PST                       | 3 | Harland/Witz/OpenSky/Sjouwerman/C   | SSS      | Harland            |
| 11/1/2009  | Plan for incorporating PSC results into PST/OPT              | 2 | Butler                              | SSS      | Butler             |
| 11/1/2009  | Train data analysts, OPT, AAT, CASA                          | 1 | Sjouwerman/Claussen/vanMoorsel      | Sci      | Chandler           |
| 11/1/2009  | Plan for supporting increased number of visitors             | 2 | van Moorsel                         | Sci      | Chandler           |
| 12/1/2009  | Upgrade to 1Gbps link to Internet2                           | 1 | Robnett                             | CIS      | Robnett            |
| 12/1/2009  | Data analyst for data distribution via alternative media     | 1 | P. Perley                           | Ops      | P. Perley          |
| 12/1/2009  | Final online helpdesk  | 1 | Chandler/Witz/CIS                   | Sci, CIS | Chandler, Halstead |
| 1/1/2010   | First draft of calibration pipeline plan for OSRO modes      | 2 | Sjouwerman                          | Sci      | Chandler           |
| 1/1/2010   | AIPS/CASA data/calibration pipeline quality analysis plan    | 2 | Greisen/Sjouwerman                  | Sci      | Chandler           |
| 1/1/2010   | Purchase archive disks                                       | 1 | Robnett                             | CIS      | Robnett            |
| 1/1/2010   | OPT documentation in place for OSRO                          | 1 | Sjouwerman                          | Sci      | Chandler           |
| 1/1/2010   | Flux density scale   | 2 | Butler/R. Perley                    | Sci      | Chandler           |
| 1/1/2010   | Calibrator survey  | 2 | Hesman/Sjouwerman/Myers             | Sci      | Chandler           |
| 1/15/2010  | OPT release for OSRO users                                   | 0 | Harland/Truitt/Sjouwerman           | SSS      | Harland            |
| 1/15/2010  | VLA website for archival information only                    | 1 | Chandler/van Moorsel/Sjouwerman     | Sci      | Chandler           |
| 1/15/2010  | AIPS cookbook updated for OSRO                               | 1 | Greisen                             | Sci      | Chandler           |
| 3/1/2010   | Gain curves, tipping scans                                   | 2 | R. Perley/Butler/Marvil             | Sci      | Chandler           |
| 3/1/2010   | AAT automatic transfer and cataloging of EVLA data finalized | 0 | van Moorsel/Sjouwerman/Rupen        | Sci      | Chandler           |
| 3/1/2010   | Off-source flags and subreflector flags in place             | 0 | Butler                              | M&C      | Butler             |
| 3/1/2010   | Tipping scan analysis implemented in AIPS                    | 2 | Mioduszewski/Claussen/Butler/Marvil | Sci      | Chandler           |
| 3/1/2010   | Solar cal tests  | 3 | R. Perley                           | Sci      | Chandler           |
| 3/1/2010   | MCAF: SDM 1.0 supported                                      | 1 | Mooser/Rupen                        | M&C      | Butler             |
| 3/1/2010   | Begin operation as EVLA                                      | 1 | All                                 | All      | All                |
|            |  |   |                                     |          |                    |
|            | Future targets   |   |                                     |          |                    |
|            |  |   |                                     |          |                    |
| 6/1/2010   | Analysis of user reduction requirements for 2 GHz OSRO       | 1 | Greisen/Owen/Butler                 | Sci      | Chandler           |