# OSRO Targets

<table>
<thead>
<tr>
<th>Major Milestones</th>
<th>Priorities</th>
<th>0=Will not start observing without this</th>
<th>1=Required for start of OSRO</th>
<th>2=Desirable for start of OSRO</th>
<th>3=Not needed for start of OSRO (but needed at some stage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/1/2009 CASA 3.0 release</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/15/2010 OSRO/WIDAR Commissioning</td>
<td></td>
<td></td>
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<tr>
<td>3/1/2010 EVLA early science with WIDAR begins</td>
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<table>
<thead>
<tr>
<th>Date (original)</th>
<th>Target Description</th>
<th>Priority</th>
<th>Date complete</th>
<th>Personnel</th>
<th>Sections</th>
<th>Section leads</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ongoing science ops targets</td>
<td></td>
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<td></td>
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<tr>
<td>9/25/2009</td>
<td>Begin EVLA demo science observations</td>
<td>1</td>
<td></td>
<td>Schedsoc/Rupen</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>10/16/2009</td>
<td>Begin VLA D configuration</td>
<td>1</td>
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<td>Schedsoc</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>11/6/2009</td>
<td>Proposal technical reviews due</td>
<td>1</td>
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<td>Schedsoc</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>3/1/2010</td>
<td>AAS meeting</td>
<td>1</td>
<td></td>
<td>Scistaff</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>1/15/2010</td>
<td>Documentation updated</td>
<td>1</td>
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<td>Scistaff</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>1/15/2010</td>
<td>Call for proposals</td>
<td>1</td>
<td></td>
<td>Schedsoc</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>2/1/2010</td>
<td>Proposal deadline, C-configuration</td>
<td>1</td>
<td></td>
<td>Schedsoc</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
</tbody>
</table>

| CASA 3.0 release                                        |                                                    |          |               |           |          |               |
| Testing needed:                                         |                                                    |          |               |           |          |               |
| 11/13/2009     | CLCOR-like task in CASA                                                             | 1        |               | Moellenbrock/Fomalont/Dhawan | CASA, Sci | Elias, Chandler |
| 11/13/2009     | ALMA pipeline autoflag available as task in CASA (not for 3.0)                      | 2        |               | Larsen/vanMoorsel/Goss/Ott | CASA     | Butler, Elias |
| 11/13/2009     | CLEAN box manipulation in CASA (FILEBOX equivalent)                                  | 1        |               | Ye/Owen/Myers | CASA, Sci | Elias, Chandler |
| 11/13/2009     | Implement autoflagging as task in CASA                                              | 2        |               | Larsen/vanMoorsel/Goss/Ott | CASA, Sci | Elias, Chandler |
| 11/13/2009     | Test flagging of shadowed antennas in CASA (waiting for D-config)                   | 1        |               | Larsen/Myers | CASA, Sci | Elias, Chandler |
| 11/13/2009     | CASA filler to fill Tsys and WX data                                               | 1        |               | Caliat/testers needed | CASA | Butler, Elias |
| 11/13/2009     | Test plotting in CASA                                                               | 1        |               | Moellenbrock/Ott/Momjian | CASA, Sci | Elias, Chandler |
| 11/13/2009     | Test end-to-end processing of OSRO datasets                                         | 1        |               | Moellenbrock, scistaff testers | 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 |

| Development needed for 3.0 patch:                       |                                                    |          |               |           |          |               |
| 12/1/2009      | Target list finalized for 3.0 patch                                                | 1        |               | CASA/EVLA | CASA | Butler, Elias |

<p>| OSRO/WIDAR Commissioning                                 |                                                    |          |               |           |          |               |
| 9/8/2009       | Write fully-populated data format for OSRO (flagging &amp; spw)                        | 0        |               | Rupen     | Sci     | Chandler |
| 11/1/2009      | Test frequency and time averaging in AAT                                            | 1        |               | Benson/Fomalont/Butler | SSS | Butler |
| 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/Myers/Moellenbrock | Sci | Chandler |
| 11/30/2009     | SSS ready to create OSRO WIDAR configurations in RCT                                | 1        |               | Harland/Lyons | SSS | Harland |
| 12/1/2009      | Test system temperature calibration                                                 | 0        |               | R. Perley/scistaff | Sci | Chandler |
| 12/1/2009      | Begin tests of OSRO modes with WIDAR-0                                             | 1        |               | Rupen/Dhawan/Ott | Sci     | Chandler |
| 12/7/2009      | WIDAR timing code problems resolved                                                | 0        |               | Rupen/Fort | Sci     | Chandler |</p>
<table>
<thead>
<tr>
<th>Date</th>
<th>Item</th>
<th>Author(s)</th>
<th>Team</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/1/2010</td>
<td>Bandpass stability tests with WIDAR-0</td>
<td>R. Perley/Monjian/Ott</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>1/1/2010</td>
<td>Executor controls correlator</td>
<td>Clark/Vroic/Harland</td>
<td>M&amp;C, SSS</td>
<td>Butler, Harland</td>
</tr>
<tr>
<td>1/1/2010</td>
<td>Primary beam measurements and holography</td>
<td>R. Perley/Hesman/Cotton</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>1/1/2010</td>
<td>TelCal complete, ref. ptg.</td>
<td>Sowinski/Butler/Clark/Cummings</td>
<td>M&amp;C</td>
<td>Butler</td>
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<tr>
<td>1/11/2010</td>
<td>Shut down VLA correlator</td>
<td>Operations</td>
<td>Labs</td>
<td>P. Perley</td>
</tr>
<tr>
<td>10/1/2010</td>
<td>Test CBE averaging and decimation in time</td>
<td>Pokorny/Rupen</td>
<td>M&amp;C</td>
<td>Butler</td>
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<tr>
<td></td>
<td>EVLA early science with WIDAR begins</td>
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<td></td>
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<tr>
<td>7/1/2009</td>
<td>Prototype online helpdesk -- testing</td>
<td>Chandler/Witz/CIS</td>
<td>Sci, CIS</td>
<td>Chandler, Halstead</td>
</tr>
<tr>
<td>9/1/2009</td>
<td>New EVLA website for all users</td>
<td>vanMoorsel/Witz</td>
<td>CIS, Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>11/1/2009</td>
<td>Train data analysts, OPT, AAT, CASA</td>
<td>Sjouwerman/Claussen/vanMoorsel</td>
<td>Sci</td>
<td>Chandler</td>
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<tr>
<td>11/1/2009</td>
<td>Plan for supporting increased number of visitors</td>
<td>van Moorsel/Chandler</td>
<td>Sci</td>
<td>Chandler</td>
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<tr>
<td>12/1/2009</td>
<td>Data analyst for data distribution via alternative media</td>
<td>P. Perley</td>
<td>Ops</td>
<td>P. Perley</td>
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<tr>
<td>12/2/2009</td>
<td>Review helpdesk configuration</td>
<td>vanMoorsel/Greisen/Witz</td>
<td>Sci, CIS</td>
<td>Chandler, Halstead</td>
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<tr>
<td>12/15/2009</td>
<td>1 Gbps link to Internet-2</td>
<td>Robnett/Robnett</td>
<td>CIS</td>
<td>Robnett</td>
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<tr>
<td>1/1/2010</td>
<td>OPT pre-populate full project from PST</td>
<td>Harland/Witz/OpenSky/Sjouwerman/CSS</td>
<td>Harland</td>
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<tr>
<td>1/1/2010</td>
<td>First draft of calibration pipeline plan for OSRO modes</td>
<td>Sjouwerman</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>1/1/2010</td>
<td>AIPS/CASA data/calibration pipeline quality analysis plan</td>
<td>Greisen/Sjouwerman</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>1/1/2010</td>
<td>Purchase archive disks</td>
<td>Robnett</td>
<td>CIS</td>
<td>Robnett</td>
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<tr>
<td>1/1/2010</td>
<td>OPT documentation in place for OSRO</td>
<td>Sjouwerman</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>1/1/2010</td>
<td>Flux density scale</td>
<td>Butler/R. Perley</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>1/1/2010</td>
<td>Plan for data path for calibrator survey</td>
<td>Hesman/Sjouwerman/Myers</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>1/15/2010</td>
<td>OPT release for OSRO users</td>
<td>Harland/Truitt/Sjouwerman</td>
<td>SSS</td>
<td>Harland</td>
</tr>
<tr>
<td>1/15/2010</td>
<td>VLA website for archival information only</td>
<td>Chandler/van Moorsel/Sjouwerman</td>
<td>Sci</td>
<td>Chandler</td>
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<tr>
<td>1/15/2010</td>
<td>AIPS cookbook updated for OSRO</td>
<td>Greisen</td>
<td>Sci</td>
<td>Chandler</td>
</tr>
<tr>
<td>2/1/2010</td>
<td>Final online helpdesk</td>
<td>Chandler/Witz/CIS</td>
<td>Sci, CIS</td>
<td>Chandler, Halstead</td>
</tr>
<tr>
<td>3/1/2010</td>
<td>Off-source flags and subreflector flags in place</td>
<td>Butler</td>
<td>M&amp;C</td>
<td>Butler</td>
</tr>
<tr>
<td>3/1/2010</td>
<td>Tipping scan analysis implemented in AIPS</td>
<td>Moduszewski/Claussen/Butler/Robnett</td>
<td>M&amp;C</td>
<td>Chandler</td>
</tr>
<tr>
<td>3/1/2010</td>
<td>MCAC: SDM 1.0 supported</td>
<td>Moeser/Rupen</td>
<td>M&amp;C</td>
<td>Butler</td>
</tr>
<tr>
<td>3/1/2010</td>
<td>Begin operation as EVLA</td>
<td>All</td>
<td>All</td>
<td>All</td>
</tr>
</tbody>
</table>

**Future targets**

- Analysis of user reduction requirements for 2 GHz OSRO