

# Mixer Status, Sorted by Mixer Blk Num (Descending)

	Status	By	Notes
<b>205:148/149:___ (Config: 781)</b>			
			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=205">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=205</a>
Fri 2010-07-02 15:15:26	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Fri 2010-07-02 15:13:11			Added checklist file link.
Fri 2010-07-02 15:13:01			Added warm bias data
Thu 2010-07-01 15:30:54	Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Thu 2010-06-17 16:37:17	Awaiting Component Install	ML	Initial entry.
<b>204:152/153:___ (Config: 782)</b>			
			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=204">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=204</a>
Fri 2010-07-02 15:14:35	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Fri 2010-07-02 15:12:33			Added checklist file link.
Fri 2010-07-02 15:12:12			Added warm bias data
Thu 2010-07-01 15:30:12	Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Thu 2010-06-17 16:37:39	Awaiting Component Install	ML	Initial entry.
<b>203:147/169:___ (Config: 780)</b>			
			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=203">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=203</a>
Fri 2010-07-02 15:13:42	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Fri 2010-07-02 15:11:46			Added checklist file link.
Fri 2010-07-02 15:10:57		ML	Added warm bias data
Thu 2010-07-01 15:29:21	Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Thu 2010-06-17 16:36:41	Awaiting Component Install	ML	Initial entry.
<b>202:139/291:___ (Config: 779)</b>			
			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=202">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=202</a>
Tue 2010-07-06 14:50:22	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Thu 2010-07-01 15:28:26	Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Thu 2010-06-17 16:36:11	Awaiting Component Install	ML	Initial entry.
<b>201:151/219:536 (Config: 766)</b>			
			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=201">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=201</a>
Thu 2010-07-08 16:28:06	Awaiting Repair		Replace both mixer chips and retest.
Thu 2010-07-08 16:26:41	Awaiting Diagnostics	RG	Handed off to Neil for quality inspection before repair work is done.
Mon 2010-06-21 09:51:31	Awaiting Repair	JE	The false color plots for Mixer 201 show almost the same sad story, namely, 25.2% of points out of spec.
Mon 2010-06-21 08:44:26	Awaiting Repair	RG	The Rt start trending above 73K at LO 257GHz-265GHz. The USB exceeds the ALMA spec. for Rt at 24.8% > 73K. (20% allowed)
Fri 2010-06-18 13:50:43	Awaiting Cold Testing	RG	Test #2 with no changes made after cleaning sensor on the chopper due to High Rt on the previous test.

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Mon 2010-06-14 11:06:26	Awaiting Cold Testing	RG	Test results reveal Receiver noise temps range from 73-120K. Nothing appears wrong outside the MTS to cause the excessive receiver noise temperatures, so currently the dewar is warming up to allow for a look inside the dewar.
Sun 2010-06-13 13:26:14	Awaiting Cold Testing	DS	Installed IN MTS and pumping down.
Fri 2010-06-11 11:31:16	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Fri 2010-06-04 16:26:23	Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Fri 2010-06-04 16:24:51	Awaiting Component Install		Initial entry.
<b>200:334/340:537 (Config: 783)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=200">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=200</a>
Thu 2010-07-08 16:25:10	Awaiting Repair	NH	Left cover has a slight metal burr in the RF/LO input channel near the probe-end of the left mixer chip.
Thu 2010-07-08 16:24:15	Awaiting Diagnostics	ML	Awaiting a detailed post-failure inspection of all devices and components.
Thu 2010-06-24 08:36:40	Awaiting Repair	RG	Once again the receiver noise temperatures are high (>73K) across the test spectrum. This was the second set of chips installed for high Rt. This device will be handed off to Neil for QA inspection before repair takes place.
Wed 2010-06-23 14:09:38	Awaiting Cold Testing	RG	Test #2
Tue 2010-06-22 16:08:18	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Tue 2010-06-22 10:43:26		ML	Added checklist file link.
Tue 2010-06-22 10:41:26			Added warm bias data
Mon 2010-06-21 16:28:26	Awaiting Preamp Integratio	ML	Replaced chips.
<b>200:334/340:536 (Config: 765)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=200">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=200</a>
Fri 2010-06-11 15:41:47	Awaiting Repair	JE	From: Matt Morgan Sigh. Looks like you'll have to replace both mixer chips. Sorry to waste everyone's time, this was my suggestion...
Fri 2010-06-11 14:27:22	Awaiting Repair	JE	From: John Effland (8 kB) Sent: Friday, June 11, 2010 2:27 PM To: Tony Kerr (akerr@NRAO.EDU); Matt Morgan (mmorgan2@nrao.edu); rgroves@nrao.edu cc: mlambeth@nrao.edu; Michael Shannon Subj: Mixer 200 With Each Preamp Off
			In an attempt to determi
Fri 2010-06-11 08:40:17	Awaiting Repair	RG	The receiver noise temperatures steadily climb higher from LO 253GHz-265GHz. LO 265GHz has Rt above 83K, and basically is the LO that contributes most to the poor test results. The IV curves look good at all LO frequencies.
Thu 2010-06-10 14:54:19	Awaiting Cold Testing	RG	New Build...First Test
Thu 2010-06-10 13:00:03	Awaiting Hybrid and Cables		
Thu 2010-06-10 13:00:02	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Fri 2010-06-04 16:26:22	Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.

	Status	By	Notes
Fri 2010-06-04 16:24:46	Awaiting Component Install		Initial entry.
<b>199:140/145: __ (Config: 788)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=199">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=199</a>
Tue 2010-06-29 14:32:24	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Mon 2010-06-28 12:04:58	Awaiting Preamp Integratio	ML	Installed new set of W11 chips.
<b>199:140/145:536 (Config: 764)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=199">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=199</a>
Mon 2010-06-28 12:04:44	Awaiting Repair		
Sun 2010-06-13 13:24:52	Awaiting Repair	DS	Removed from MTS
Sun 2010-06-13 10:37:09	Awaiting Repair	JE	Mixer 199's IV curves are soft, and consequently Michael and I decided yesterday afternoon to warm up and hopefully Casey can replace the mixer today and start a cool down and measurement of the next mixer.
Sat 2010-06-12 16:22:39	Awaiting Cold Testing	JE	I think you're on to something. I'll bet the "optimum" currents aren't (see link)  I'm headed in to help change the LN2 bottles...  The oscillation test results also seem to indicate either a bad connection, serious chopper issues, or probably just a
Sat 2010-06-12 10:29:08	Awaiting Cold Testing		Mixer 199's noise temps are too high (page 1) here:  \\Cvfiler.cv.nrao.edu\cv-cdl-sis\MxrTstSys\Data\Blk199\Mxr199LvlChanges.pdf  , but the data looks suspicious, so I graphed just the raw noise powers (page 2) and compared them to Mixer 198 (Page 3),
Fri 2010-06-11 16:58:53	Awaiting Cold Testing	RG	New Build...First Test
Fri 2010-06-11 11:26:05	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Fri 2010-06-04 16:26:20	Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Fri 2010-06-04 16:24:42	Awaiting Component Install		Initial entry.
<b>198:243/238:535 (Config: 763) In Cartridge: 034 Pol: 1</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=198">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=198</a>
Thu 2010-06-17 09:14:39	Awaiting Cartridge	RG	The test system is repeatable now. There was a problem with receiver noise temps being high, and the problem appears to be related to the chopper with dust on the optical sensor causing erroneous readings of the trigger signals.
Wed 2010-06-16 13:59:00	Awaiting Cold Testing	RG	Installed in the MTS for system validation purposes.
Thu 2010-06-10 14:55:29	Awaiting Cartridge	JE	Mixer 198 doesn't meet mixer noise specs with a nominal junction bias of 8.5 mV and 50 uA, but does meet specs with "optimum" bias.  Noise temp as a function of bias voltage and current again shows the parameter space too limited to find the true optimu

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Thu 2010-06-10 11:43:57 Awaiting Cartridge	RG	Optimum bias was used on this mixer/preamp, and the receiver noise temperatures improved by 16%. This device is now cartridge worthy. Before it was rejected using 8.50mV and 50uA at each LO.  Also, the oscillation test versus Rt shows spikes in both sid
Wed 2010-06-09 08:51:11 Awaiting Cold Testing	RG	There are a lot of spikes in Rt data. It remains to be determined if the spikes are chopper related or oscillations. Also, It may be necessary to run optimum bias on this device to improve the noise performance at the high end of the testing range.
Tue 2010-06-08 14:52:18 Awaiting Cold Testing	RG	New Build...First Test
Mon 2010-06-07 16:51:11 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Fri 2010-06-04 16:26:19 Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Fri 2010-06-04 16:24:38 Awaiting Component Install		
<b>197:273/323: ___ (Config: 750) In Cartridge: 031 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=197">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=197</a>
Thu 2010-07-08 16:51:40 Awaiting Diagnostics	ML	Awaiting a detailed post-failure inspection of all devices and components. Upon inspection, the left chip, M-2, appears to be raised .1 mils above the surface of the block. Data need to be reviewed and a determination made is this is acceptable performanc
Tue 2010-06-22 09:36:57 Awaiting Cartridge	JE	Looked at the Osc Data and find no obvious oscillations, but some strange bumps at LO = 239 GHz
Mon 2010-06-07 13:44:36 Awaiting Cartridge	RG	Measured across an IF of 5-10GHz Histogram Version: 2.3.1 Measured with Preamps Id set to 4.0mA  There is a chance that an oscillation may be present with preamp Id set to 4.0mA. This mixer will need to be monitored closely for which cartridge it gets
Mon 2010-06-07 08:37:59 Awaiting Cold Testing	JE	False color maps, and the gain slope data, show this mixer meets specs if the single bad point at the measurement restart is ignored:  \\cvfiler.cv.nrao.edu\cv-cdl-sis\MxrTstSys\Data\Blk197
Sun 2010-06-06 17:51:04 Awaiting Cartridge	JE	The first point on the restart at 2010-06-06 12:46 after 2010-06-05 18:21, is an obvious outlier, but all the rest measured so far, through LO = 241 GHz, are fine.
Fri 2010-06-04 16:05:01 Awaiting Cold Testing	RG	New build...First test with modified lids from machine shop to prevent oscillation.
Wed 2010-05-12 10:44:55 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Thu 2010-05-06 16:38:38 Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Thu 2010-05-06 16:35:24 Awaiting Component Install	ML	Initial entry.
<b>196:286/287:507 (Config: 778) In Cartridge: 033 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=196">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=196</a>

Status	By	Notes
Wed 2010-06-23 11:10:30 Awaiting Cartridge	RG	Measured across an IF of 5-10GHz Histogram Version: 2.3.1 Oscillation data is stored in Misc. Files.
Tue 2010-06-22 12:07:13 Awaiting Cold Testing	RG	Test #2
Tue 2010-06-15 10:28:19 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for test.
Mon 2010-06-14 16:36:22 Awaiting Preamp Integratio	ML	Replaced left-side chip.
<b>196:286/287:528 (Config: 749)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=196">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=196</a>
Sun 2010-05-16 16:10:05 Awaiting Repair	RG	Hey everyone,  It's Sunday at 3:45 pm. I couldn't get here Saturday evening. However, after evaluating all of the emails, I decided to plot a histogram of the chopper test for mixer #196 that ran during Friday night. The histogram does reveal high recei
Sat 2010-05-15 09:40:57 Awaiting Cold Testing		Mike S and I spoke on the phone, and we think the best plan is to first check for oscillations at 3 mA (at low end of band, see graph below), and if there are any, then just warm up and test a different mixer.
		If you don't see any oscillations, then
Sat 2010-05-15 09:40:28 Awaiting Cold Testing		I found the old-style file for mixer 196 (why wasn't this in the database?) and generated a crude graph that shows the USB noise temps are too high at the upper end of the band. There's also a few spikes in the LSB data (e.g. 213.1 GHz) that might be osc
Fri 2010-05-14 08:17:06 Awaiting Cold Testing	RG	
Wed 2010-05-12 11:08:15 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Thu 2010-05-06 16:37:45 Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Thu 2010-05-06 16:34:48 Awaiting Component Install	ML	Initial entry.
<b>195:254/322:539 (Config: 793)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=195">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=195</a>
Thu 2010-07-08 16:19:36 Awaiting Diagnostics	ML	Awaiting results after running dada in newest version histogram software. If it still tests bad then replace the chips with ones from a "more reliable" part of W05.
Wed 2010-07-07 08:52:48 Awaiting Repair	RG	The receiver noise temps are above the 73K test spec at all LO test frequencies. Also the IV curves show mixer 0 (Left) pumped curve starves for LO power. The optimum bias program revealed the high Rt, as this is the first test run. Replace mixer (0, Left
Tue 2010-07-06 13:44:47 Awaiting Cold Testing	RG	Test #2 with new preamps installed. The room temperature gain spike is gone.
Tue 2010-07-06 12:14:10 Awaiting Hybrid and Cables	ML	Installed a new set of preamps, ready for retesting.
<b>195:124/132:539 (Config: 784)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=195">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=195</a>
Tue 2010-07-06 09:42:55 Awaiting Cold Testing	RG	Test #2...Has a gain spike at 12.3GHz IF...Install a new set of preamps and retest.
Thu 2010-06-24 10:39:59 Awaiting Hybrid and Cables	ML	Integrated with preamps, Warm bias tested, ready for test.
Thu 2010-06-24 10:39:21		Added checklist file link

	Status	By	Notes
	Thu 2010-06-24 10:39:06		Added bias file link
	Mon 2010-06-21 16:38:18	Awaiting Preamp Integratio	ML Replaced chips.
<b>195:___/___:528 (Config: 748)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=195">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=195</a>
	Thu 2010-05-20 08:59:37	Awaiting Repair	RG Measured across an IF of 5-10GHz Histogram Version: 2.1 Preamps stage #1 and #2 Id=4.0mA Software: Band6DAQ4.4.1  Comparison testing was done with Id at 4mA vs Id at 3mA using the same software. There is a slight improvement in Rt with Id at 4mA, wit
	Wed 2010-05-19 12:55:10	Awaiting Cold Testing	RG Measured across an IF of 5-10GHz Histogram Version: 2.1 Preamps stage #1 and #2 Id=4.0mA  The data was recorded using the new software bundle that measures Optimum Bias, Noise Temps, and Oscillation vs Rt. It was noted that the optimum bias points are
	Tue 2010-05-18 17:27:37	Awaiting Cold Testing	RG Measured across an IF of 5-10GHz Histogram Version: 2.1 Preamps stage #1 and #2 Id=3.0mA  The spikes in the receiver noise graphs of the oscillation tests reveal that the problem is likely with the chopper routine and not an oscillation. The big chang
	Sun 2010-05-16 17:36:36	Awaiting Cold Testing	RG New Build...First Test
	Wed 2010-05-12 10:43:26	Awaiting Hybrid and Cables	ML Integrated with preamps, ready for testing.
	Thu 2010-05-06 16:36:46	Awaiting Preamp Integratio	ML Installed chips, ready for preamp pair.
	Thu 2010-05-06 16:34:30	Awaiting Component Install	ML Initial entry.
<b>194:234/298:528 (Config: 747) In Cartridge: 029 Pol: 1</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=194">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=194</a>
	Mon 2010-05-24 13:24:45	Awaiting Cartridge	RG Measured across an IF from 5-10GHz Histogram Version: 2.1  After further examination of the previous pdf file and the histogram data, it appears by the recorded mixer current that the LO did not phase lock at LO 257GHz, and this device will indeed meet
	Sat 2010-05-22 08:24:25	Awaiting Cold Testing	JE As documented in the attached pdf, this mixer almost meets mixer specs, but the graph does show unusually higher noise only for LO = 257 GHz, which certainly seems suspicious and might not be caused by the mixer or preamps. I recommend testing another mi
	Thu 2010-05-20 12:55:30	Awaiting Cold Testing	RG New Build...First Test
	Wed 2010-05-12 10:44:26	Awaiting Hybrid and Cables	ML Integrated with preamps, ready for testing.
	Thu 2010-05-06 16:35:42	Awaiting Preamp Integratio	ML Installed chips, ready for preamp pair.

	Status	By	Notes
Thu 2010-05-06 16:34:01	Awaiting Component Install	ML	Initial entry.
<b>193:156/215:537 (Config: 777)</b>	<b>In Cartridge: 028 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=193">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=193</a>
Tue 2010-06-29 16:14:58	Awaiting Cartridge		Updated with hisogram version 2.3.2
Mon 2010-06-28 09:54:02	Awaiting Cartridge	RG	Measured across an IF from 5-10GHz Histogram version: 2.3.1
Thu 2010-06-24 13:08:50	Awaiting Cold Testing	RG	Test #4
Tue 2010-06-15 10:29:08	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for test.
Mon 2010-06-14 16:35:34	Awaiting Preamp Integratio	ML	Replaced left-side chip.
<b>193:___/___:534 (Config: 756)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=193">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=193</a>
Fri 2010-06-04 11:18:39	Awaiting Repair	RG	The mixer currents are seperated by 20uA, with mixer #1 left having insufficient power. This also was the likely cause of Image rejection below 7dB. Mixer 193 was warmed up after 4 LO tests (221-233GHz). No need to continue testing.
Tue 2010-06-01 16:01:15	Awaiting Cold Testing	RG	Test #3
Fri 2010-05-21 11:04:14	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Thu 2010-05-20 11:16:04	Awaiting Preamp Integratio	ML	Replaced left-side mixer chip.
<b>193:___/___:522 (Config: 718)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=193">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=193</a>
Wed 2010-03-31 10:38:49	Awaiting Repair	RG	
Tue 2010-03-09 11:09:15	Awaiting Repair	RG	Mixer #1 (Left) starves for LO power at 221-229GHz and the IV curve reveals a high leakage current. Both chips have already been replaced once.
Mon 2010-03-08 14:24:49	Awaiting Cold Testing	RG	Testing after mixer chips were replaced because both junctions had a high leakage current at 4K.
Thu 2010-02-18 15:52:00	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Wed 2010-02-17 16:04:18	Awaiting Preamp Integratio	ML	Replaced both mixer chips.
<b>193:___/___:518 (Config: 701)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=193">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=193</a>
Tue 2010-02-09 15:43:19	Awaiting Repair	RG	Both mixers exhibit 50uA of leakage current at 4K...Not worth testing...See IV curves. Replace both mixer chips & Re-test.
Tue 2010-02-09 10:20:30	Awaiting Cold Testing	RG	
Mon 2010-02-01 10:31:32	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Thu 2010-01-28 11:17:22	Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Thu 2010-01-28 11:17:06	Awaiting Mixer Chips	ML	Passive devices installed, ready for chips.
Thu 2010-01-28 11:14:18	Awaiting Component Install	ML	Initial entry.
<b>192:201/261:536 (Config: 774)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=192">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=192</a>
Thu 2010-07-08 16:29:41	Awaiting Diagnostics	ML	Awaiting a detailed post-failure inspection of all devices and components.
Fri 2010-06-18 10:01:38	Awaiting Repair	JE	False color maps show similar problems. Rest are in this test dir.

	Status	By	Notes
	Fri 2010-06-18 08:46:17 Awaiting Repair	RG	The receiver noise temps ride the 73K spec line from LO 221-245GHz, and from 245-265GHz the Rt rises to 83K and above. The gain slope, IV curves, and Irej. look great.
	Thu 2010-06-17 12:00:51 Awaiting Cold Testing	RG	Re-testing after the previous test had high Rt from LO 245-265GHz. The reason was found to be a dirty opto-isolator on the chopper wheel detector.
	Wed 2010-06-16 13:13:11 Awaiting Repair	RG	The receiver noise temps. trend upward from LO 245-265GHz...exceeding the ALMA Specs. Since this is the third time in a row this has happened to new or repaired mixers; mixer #198 will be installed back in the MTS to validate the test set.
	Tue 2010-06-15 11:03:42 Awaiting Cold Testing	RG	Test #3
	Mon 2010-06-14 11:01:46 Awaiting Hybrid and Cables	ML	Replaced preamp pair, ready for testing.
	<b>192:309/270:534 (Config: 758)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=192">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=192</a>
	Fri 2010-06-04 15:57:18 Awaiting Repair	RG	This device has a strong stable oscillation at LO 221GHz with IF 6.8GHz. The LO frequency was changed and the oscillation shifted IF Freq. However, This oscillation does not vary in amplitude or frequency. The oscillation is associated with the amplifier t
	Fri 2010-06-04 11:34:21 Awaiting Cold Testing	RG	Test #2
	Fri 2010-05-21 11:01:51 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
	Thu 2010-05-20 16:42:34 Awaiting Preamp Integratio	ML	Replaced both mixer chips.
	<b>192:309/270:518 (Config: 700)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=192">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=192</a>
	Wed 2010-03-31 10:37:14 Awaiting Repair	RG	
	Mon 2010-02-08 15:56:15 Awaiting Repair	RG	Mixer #1 (Left) has a soft IV curve and the receiver noise temperatures are above the specline for histogram version #2.0. No need to continue testing any further. Replace Mixer chip #1 (Left).
	Thu 2010-02-04 13:50:43 Awaiting Cold Testing	RG	
	Mon 2010-02-01 10:31:05 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
	Thu 2010-01-28 11:17:21 Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
	Thu 2010-01-28 11:16:55 Awaiting Mixer Chips	ML	Passive devices installed, ready for chips.
	Thu 2010-01-28 11:14:13 Awaiting Component Install	ML	Initial entry.
	<b>191:311/312:526 (Config: 773) In Cartridge: 030 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=191">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=191</a>
	Wed 2010-06-09 08:44:02 Installed in Cartridge	DS	Installed in Cart6.030 set mixer bias points to 8.5/50
	<b>191:311/312:526 (Config: 755) In Cartridge: 030 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=191">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=191</a>
	Thu 2010-05-27 09:21:45 Awaiting Cartridge	RG	Ralph,  This mixer's a good one and meets all specs for noise, image rejection, gain and gain slope. I also printed out the false-color maps which show the image rejection is outstanding.  John



Status	By	Notes
Thu 2010-05-27 09:14:46 Awaiting Cartridge	JE	This mixer's a good one and meets all specs for noise, image rejection, gain and gain slope. I also printed out the false-color maps which show the image rejection is outstanding.
Thu 2010-05-27 08:57:34 Awaiting Cold Testing	RG	Measured across an IF from 5-10GHz Histogram Version: 2.2 Preamps Id set to 4.0mA Oscillation Test located in Misc. file, and uses spec. analyzer  Waiting approval...
Tue 2010-05-25 15:15:03 Awaiting Cold Testing	RG	Test #2
Fri 2010-05-21 11:03:26 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Thu 2010-05-20 11:09:03 Awaiting Preamp Integratio	ML	Replaced both mixer chips.
<b>191:311/312:519 (Config: 699)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=191">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=191</a>
Wed 2010-03-31 10:33:41 Awaiting Repair	RG	
Thu 2010-02-18 11:17:14 Awaiting Repair	RG	Both IV curves have a leakage current of 35-40uA. The optimum bias routine was performed and the receiver noise temperature exceeded the ALMA spec's at around 100K between LO frequencies 237GHz-265GHz.
Wed 2010-02-17 15:16:58 Awaiting Cold Testing	RG	
Mon 2010-02-01 10:30:36 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Thu 2010-01-28 11:17:19 Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Thu 2010-01-28 11:16:44 Awaiting Mixer Chips	ML	Passive devices installed, ready for chips.
Thu 2010-01-28 11:14:09 Awaiting Component Install	ML	Initial entry.
<b>190:264/268:518 (Config: 698) In Cartridge: 025 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=190">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=190</a>
Tue 2010-02-23 13:27:18 Awaiting Cartridge	RG	This is installed in Cartridge B6-025. It was reviewed by M. Shannon and was found acceptable
Wed 2010-02-17 14:09:14 Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0.0%, USB: 2.29% % Rt > 83K = LSB: 1.1%, USB: 5.6% Measured across an IF of 5-10GHz Histogram Version: 2.0
Thu 2010-02-11 10:29:13 Awaiting Cold Testing	RG	
Mon 2010-02-01 10:29:50 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Thu 2010-01-28 11:17:17 Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Thu 2010-01-28 11:16:06 Awaiting Mixer Chips	ML	Passive devices installed, ready for chips.
Thu 2010-01-28 11:14:05 Awaiting Component Install	ML	Initial entry.
<b>189:265/325:520 (Config: 691) In Cartridge: 021 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=189">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=189</a>
Wed 2010-03-03 10:14:00 Awaiting Cartridge	RG	measured across an IF of 5-10GHz Histogram Version: 2.0
Wed 2010-03-03 08:41:35 Awaiting Cartridge	MS	Approved

	Status	By	Notes
	Wed 2010-03-03 08:29:32	Awaiting Cold Testing	RG Awaiting Approval
	Tue 2010-03-02 08:38:58	Awaiting Cold Testing	RG New Built...First Test
	Tue 2010-01-19 16:59:08	Awaiting Hybrid and Cables	ML Integrated with preamps, ready for testing.
	Thu 2010-01-14 12:15:48	Awaiting Preamp Integratio	ML Installed chips, ready for preamp pair.
	Thu 2010-01-14 12:13:11	Awaiting Mixer Chips	ML Passive devices installed, ready for chips.
	Thu 2010-01-14 12:11:07	Awaiting Component Install	ML Initial entry.
<b>188:___/___:___ (Config: 799)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=188">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=188</a>
	Thu 2010-07-08 15:48:47	Awaiting Diagnostics	ML Red tagged due to damage to the machined RF sections in the block.
	Thu 2010-07-08 15:47:02	Awaiting Acceptance Inspec	ML Initial entry
<b>187:___/___:___ (Config: 800)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=187">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=187</a>
	Thu 2010-07-08 15:47:54	Awaiting Diagnostics	ML Red tagged due to damage to the machined RF sections in the block.
	Thu 2010-07-08 15:47:29	Awaiting Acceptance Inspec	ML Initial entry
<b>186:169/317:521 (Config: 690)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=186">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=186</a>
	Thu 2010-07-08 16:35:55	Awaiting Repair	ML Replace M-2 Right chip.
	Thu 2010-03-04 11:09:32	Awaiting Repair	Mixer #1 Left Oscillates at LO 261 and 265 GHz. The oscillation is seen in the IF and shifts at IF as the LO is changed. Also, Mixer #2 Right is severely starved for LO power.
	Wed 2010-03-03 14:25:40	Awaiting Cold Testing	RG New Build...First Test
	Tue 2010-01-19 16:58:36	Awaiting Hybrid and Cables	ML Integrated with preamps, ready for testing.
	Thu 2010-01-14 12:14:58	Awaiting Preamp Integratio	ML Installed chips, ready for preamp pair.
	Thu 2010-01-14 12:12:53	Awaiting Mixer Chips	ML Passive devices installed, ready for chips.
	Thu 2010-01-14 12:10:51	Awaiting Component Install	ML Initial entry.
<b>185:205/321:524 (Config: 729) In Cartridge: 013 Pol: 1</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=185">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=185</a>
	Fri 2010-03-19 11:54:25	Awaiting Cartridge	RG Checked for Oscillations at LO 221 & 237GHz. The previous test showed a 4K spike in Rt at these two LO frequencies. So the Id for the first two stage preamps was set to 6.0mA and the receiver noise temperature ran again at LO 237 GHz, and no noise spikes
	Thu 2010-03-18 14:42:28	Awaiting Retest	RG Installed 2010-03-18 at 2:45 PM. On 3/19 will check for any additional oscillations.
	Tue 2010-03-16 12:59:00	Awaiting Retest	MS Tony Kerr recommends retesting this for oscillations.
	Tue 2010-03-16 11:38:15	Awaiting Retest	jee Tony says cool down and retest, checking if it's an IF or RF oscillation. In any case, we shouldn't ship if it is indeed an oscillation.
			From: John Effland (10 kB) Sent: Tuesday, March 16, 2010 11:16 AM To: Matt Morgan (mmorgan2@nrao.edu) cc: T

	Status	By	Notes
	Tue 2010-03-16 10:02:55	Awaiting Retest	RG Awaiting approval...See Miscellaneous file for oscillation test results.
	Sat 2010-03-13 14:37:49	Awaiting Retest	RG Replaced hybrid #522 with #524 and also replaced cables #025 & #026 with #004 and #090
<b>185:205/321:522 (Config: 689)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=185">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=185</a>
	Sat 2010-03-13 11:53:41	Awaiting Cold Testing	RG Measured across an IF from 5-10GHz Histogram Version: 2.0 One data point has Irej. of 6.77dB, with others at 7.1-7.2dB. The cables and Hybrid will be changed and retesting will occur. Noise Temps look great with no signs of oscillation present.
	Thu 2010-03-11 08:48:04	Awaiting Cold Testing	RG New Build...First Test
	Tue 2010-01-19 16:57:55	Awaiting Hybrid and Cables	ML Integrated with preamps, ready for testing.
	Thu 2010-01-14 12:14:06	Awaiting Preamp Integratio	ML Installed chips, ready for preamp pair.
	Thu 2010-01-14 12:12:31	Awaiting Mixer Chips	ML Passive devices installed, ready for chips.
	Thu 2010-01-14 12:10:38	Awaiting Component Install	ML Initial entry.
<b>184:200/314:522 (Config: 688) In Cartridge: 032 Pol: 1</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=184">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=184</a>
	Thu 2010-03-18 10:59:22	Awaiting Cartridge	RG John approved Irej. with false color plot. Measured across an IF of 5-10GHz Histogram version: 2.0 Oscillation Test is stored in Misc. File. Preamp (1) Left oscillated as Id1=4.6mA, Id2=5.2mA...Preamp (2) Right oscillated as Id1=5.25mA, Id2=4.50mA Awaiting False color plot from JE to look at the image rejection behavior from 10.5GHz-12GHz IF.
	Wed 2010-03-17 16:28:49	Awaiting Cold Testing	
	Tue 2010-03-16 09:26:14	Awaiting Cold Testing	RG Testing after preamp lids were lapped to see if the oscillation disappears.
	Tue 2010-03-16 09:24:54	Awaiting Cold Testing	ML Lapped the preamp lids to see if the oscillation disappears.
	Fri 2010-03-12 13:41:34	Awaiting Repair	Mixer #2 Left Oscillates at LO 265GHz. It appears by slightly adjusting the drain current of the second stage on the Preamp Right, the oscillation will disappear.
	Tue 2010-03-09 14:30:49	Awaiting Cold Testing	RG New Built...First Test
	Tue 2010-01-19 16:57:04	Awaiting Hybrid and Cables	ML Integrated with preamps, ready for testing.
	Thu 2010-01-14 12:13:27	Awaiting Preamp Integratio	ML Installed chips, ready for preamp pair.
	Thu 2010-01-14 12:11:48	Awaiting Mixer Chips	ML Passive devices installed, ready for chips.
	Thu 2010-01-14 12:10:04	Awaiting Component Install	ML Initial entry.
<b>183:209/301:527 (Config: 686)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=183">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=183</a>
	Thu 2010-07-08 16:14:04	Awaiting Retest	ML Retest in MTS using lowered Id bias values.
	Wed 2010-06-23 11:59:22	Hold for Testing	ML This is an oscillator awaiting further decision on how to proceed.

Status	By	Notes
Mon 2010-04-05 14:40:23 Awaiting Repair	RG	Measured across an IF of 5-10GHz Histogram Version: 2.1 Mixer Block 183 works great with Id on the preamps set to 4mA. As soon as you increase Id of the preamps on the first two stages to 4.1mA, this device breaks into oscillation. New lids with a singl
Thu 2010-04-01 18:14:19 Awaiting Cold Testing	RG	New Build...First Test
Fri 2010-01-08 16:50:10 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Fri 2010-01-08 11:27:49 Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Fri 2010-01-08 11:25:55 Awaiting Mixer Chips	ML	Passive devices installed, ready for chips.
Fri 2010-01-08 11:23:58 Awaiting Component Install	ML	Initial entry.
<b>182:183/278:525 (Config: 685)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=182">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=182</a>
Thu 2010-07-08 16:10:27 Awaiting Retest		Retest in MTS using lowered Id bias values.
Wed 2010-06-23 11:23:27 Hold for Testing	ML	This is an oscillator awaiting further decision on how to proceed.
Thu 2010-04-01 18:21:44 Awaiting Cold Testing	RG	Awaiting new lids
Thu 2010-04-01 15:50:08 Awaiting Cold Testing	RG	Measured across an IF from 5-10GHz Histogram version: 2.1 Mixer block 182 oscillates very easily if Id1 and Id2 of both preamps are set to 4.2mA. It has been suggested to try the lids with absorber and recheck for oscillations. The oscillation data is i
Thu 2010-03-25 13:27:05 Awaiting Cold Testing	RG	New Build...First Test
Fri 2010-01-08 16:49:17 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Fri 2010-01-08 11:26:15 Awaiting Preamp Integratio	ML	Installed chips, ready for preamp pair.
Fri 2010-01-08 11:24:33 Awaiting Mixer Chips	ML	Passive devices installed, ready for chips.
Fri 2010-01-08 11:23:31 Awaiting Component Install	ML	Initial entry.
<b>181:305/315:506 (Config: 678) In Cartridge: 007 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=181">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=181</a>
Tue 2010-02-23 13:22:56 Awaiting Cartridge	RG	This is installed in Cartridge B6-007. It was reveiwed by M. Shannon and was found acceptable.
Thu 2009-12-10 08:33:46 Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0.0%, USB: 0.0% % Rt. >83K = LSB: 0.2%, USB: 1.3% Measured across an IF of 5-10GHz Histogram version 1.9
Wed 2009-12-09 10:05:56 Awaiting Cold Testing	RG	
Fri 2009-12-04 16:32:37 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Thu 2009-12-03 11:05:50 Awaiting Preamp Integratio	ML	Installed a set of W05C12L56 chips.
Thu 2009-12-03 11:04:03 Awaiting Component Install	ML	Initial build.
<b>180:267/324:523 (Config: 677) In Cartridge: 017 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=180">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=180</a>

Status	By	Notes
Tue 2010-03-30 10:12:00 Awaiting Cartridge	RG	Measured across an IF of 5-10GHz Histogram version 2.1 This device does not oscillate with Id of preamps at 8.0mA. Oscillation file is stored under the Misc. File tab.
Mon 2010-03-29 16:10:12 Awaiting Cold Testing		From: Michael Shannon (8 kB) Sent: Monday, March 29, 2010 11:52 AM To: Ralph Groves cc: John Effland; Matt Morgan Subj: RE: Mixer Block 180  Ralph,  We discussed this mixer with Matt this morning and it was decided that it is out of spec for
Wed 2010-03-24 14:12:24 Awaiting Cold Testing	MS	Gain slope is slightly out of spec. Forwarded to Dr. Morgan for review.
Wed 2010-03-24 13:24:22 Awaiting Cold Testing	RG	Awaiting approval for use in cartridge. Oscillation chart is located in Misc File.
Mon 2010-03-22 15:28:00 Awaiting Cold Testing	RG	New Build...First Test Attempt
Fri 2009-12-04 16:28:57 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Thu 2009-12-03 11:04:43 Awaiting Preamp Integratio	ML	Installed a set of W05C12L56 chips.
Thu 2009-12-03 11:03:27 Awaiting Component Install	ML	Initial build.
<b>179:290/320:505 (Config: 675) In Cartridge: 020 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=179">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=179</a>
Wed 2010-07-07 12:01:26 Awaiting Cartridge		Located in catridge #20
Fri 2009-12-04 10:04:48 Awaiting Cold Testing	RG	% Irej. <10dB = LSB: 0.0%, USB: 0.16% % Rt. >83K = LSB: 0.0%, USB: 2.1% Measured across an IF From 5-10GHz
Thu 2009-12-03 09:31:25 Awaiting Cold Testing	RG	
Wed 2009-11-25 12:03:10 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Tue 2009-11-24 11:23:28 Awaiting Preamp Integratio	ML	Installed a set of W05C12L56 chips.
Tue 2009-11-24 11:21:50 Awaiting Component Install	ML	Initial build.
<b>178:282/331:___ (Config: 786)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=178">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=178</a>
Fri 2010-07-09 11:52:33 Awaiting Hybrid and Cables	ML	Integrated with preamps, Warm bias tested, ready for test.
Fri 2010-07-09 11:51:08	ML	Added bias file link
Thu 2010-06-24 10:33:07 Awaiting Hybrid and Cables	ML	Integrated with preamps, Warm bias tested, ready for test.
Thu 2010-06-24 10:32:33		Added checklist file link
Thu 2010-06-24 10:32:16		Added bias file link
Mon 2010-06-21 16:41:00 Awaiting Preamp Integratio	ML	Replaced chips.
<b>178:___/___:___ (Config: 752)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=178">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=178</a>

	Status	By	Notes
	Tue 2010-05-25 08:43:23 Awaiting Repair	RG	While running the optimum bias routine, both mixers had high receiver noise temperatures that exceeded the 73K spec for the MTS, as well as, the 83K spec for the CTS. The IV curves look good.
	Thu 2010-05-13 11:14:40 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
	Wed 2010-05-12 15:52:08 Awaiting Preamp Integratio	ML	Replaced both mixer chips.
<b>178:___/___:526 (Config: 722)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=178">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=178</a>
	Wed 2010-05-12 15:49:02 Awaiting Repair	ML	Replace both chips, the right with LO pump problems, and the left was cracked during the investigation. The chips were extremely tight which most likely caused a hariline fracture in the quartz of the right mixer chip during installation.
	Mon 2010-05-10 17:07:37 Awaiting Repair	JE	Pictures from Lambeth on Fri 2010-04-30 11:06
	Mon 2010-05-10 16:58:23 Awaiting Repair	JE	Pictures from Lambeth on Fri 2010-04-30 11:06
	Thu 2010-04-29 17:08:01 Awaiting Repair	JE	See attached text file (from link button) for history of this chip.
	Wed 2010-04-28 15:32:26 Awaiting Repair	RG	Mixer #2 Right has no LO power. The IV curve for this mixer looks the same wheather pumped or unpumped.
	Wed 2010-04-28 15:30:52 Awaiting Cold Testing	RG	Testing after both mixer chips replaced.
	Thu 2010-02-18 15:50:16 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing. Second W15 evaluation test.
	Wed 2010-02-17 16:16:21 Awaiting Preamp Integratio	ML	Replaced both mixer chips. Second W15 test.
<b>178:___/___:506 (Config: 674)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=178">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=178</a>
	Tue 2009-12-08 15:52:56 Awaiting Repair	RG	Both mixers exhibit high leakage currents. See IV Curves.
	Tue 2009-12-08 08:28:36 Awaiting Cold Testing	RG	
	Wed 2009-11-25 12:04:10 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
	Tue 2009-11-24 11:22:40 Awaiting Preamp Integratio	ML	Installed a set of W05C12L56 chips.
	Tue 2009-11-24 11:21:39 Awaiting Component Install	ML	Initial build.
<b>177:208/269:098 (Config: 645) In Cartridge: 012 Pol: 0</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=177">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=177</a>
	Tue 2010-02-23 13:30:08 Awaiting Cartridge	RG	This is installed in Cartridge B6-012. It was reveiwed by M. Shannon and was found acceptable
	Wed 2009-12-02 12:55:58 Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xls m version, which accounts for gain slope.
	Mon 2009-11-09 08:28:05 Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0%, USB: 1.14% % Rt. >83K = LSB: 0%, USB: 0.3% Histogram based on IF data from 5-10GHz.
	Fri 2009-11-06 13:39:43 Awaiting Cold Testing	RG	
	Wed 2009-10-28 17:06:51 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
	Wed 2009-10-28 17:04:22 Awaiting Preamp Integratio	ML	Installed a set of W05C12L56 chips.
	Wed 2009-10-28 16:52:40 Awaiting Component Install	ML	Initial build.
<b>176:253/281:118 (Config: 715) In Cartridge: 027 Pol: 1</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=176">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=176</a>

	Status	By	Notes
	Sat 2010-04-24 13:28:42 Awaiting Cartridge	RG	updated cables, magnet, and hybrid s/n along with status. No oscillatio is apparent with Id from 3.8mA-4.5mA. Ready for Cartridge!
	Fri 2010-04-23 08:52:16 Awaiting Cold Testing	RG	Histogram shows bad Gain and Rt at LO 237GHz. Cables and Coils S/N's will be confirmed and entered upon removal of Mixer Block 176.
	Thu 2010-02-18 15:54:43 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
	Wed 2010-02-17 15:50:01 Awaiting Preamp Integratio	ML	Replaced right-side mixer chips.
<b>176:253/281:118 (Config: 651)</b>	<b>In Cartridge: 023 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=176">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=176</a>
	Thu 2009-12-03 13:39:12 Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xlsn version, which accounts for gain slope.
	Tue 2009-11-24 10:57:07 Awaiting Cartridge	RG	% Irej. <10dB = LSB: 3.92%, USB: 0.49% % Rt. >83K = LSB: 0.3%, USB: 0.7% Measured across an IF from 5-10GHz.
	Fri 2009-11-20 11:13:07 Awaiting Cold Testing	RG	
	Thu 2009-11-12 11:43:05 Awaiting Hybrid and Cables	ML	Preamps already installed.
	Tue 2009-11-10 16:29:18 Awaiting Preamp Integratio	ML	Replaced with a new set of W05C12L56 chips.
<b>176:253/281:098 (Config: 646)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=176">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=176</a>
	Wed 2009-11-04 15:56:33 Awaiting Repair	RG	Mixer #1 (Left) IV curve has a 35uA leakage current, while mixer #2 (Right) has a 30uA leakage current at 4.2K. See IV Curve Plots. No need to continue testing.
	Tue 2009-11-03 11:53:04 Awaiting Cold Testing	RG	
	Wed 2009-10-28 17:08:26 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
	Wed 2009-10-28 17:00:58 Awaiting Preamp Integratio	ML	Installed a set of W05C12L56 chips.
	Wed 2009-10-28 17:00:09 Awaiting Component Install	ML	Initial build.
<b>175:192/246:055 (Config: 673)</b>	<b>In Cartridge: 023 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=175">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=175</a>
	Wed 2009-12-02 13:04:13 Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xlsn version, which accounts for gain slope.
<b>175:192/246:097 (Config: 642)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=175">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=175</a>
	Tue 2009-11-03 10:00:41 Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0%, USB: .65% % Rt >83K = LSB: 0.3%, USB: 0.7%  Histograms are based on 5-10GHz IF
	Mon 2009-11-02 10:39:11 Awaiting Cold Testing	RG	
	Fri 2009-10-16 12:30:57 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
	Fri 2009-10-16 08:52:44 Awaiting Preamp Integratio	ML	Installed a set of W05C12L56 chips.
	Wed 2009-10-14 11:16:28 Awaiting Component Install	ML	Initial build.
<b>174:297/313:504 (Config: 676)</b>	<b>In Cartridge: 023 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=174">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=174</a>

	Status	By	Notes
Wed 2009-12-02 11:51:54	Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0.0%, USB: 0.0% % Rt. >83K = LSB: 0.2%, USB: 1.8% Measured across the IF from 5-10GHz
Mon 2009-11-30 11:14:26	Awaiting Cold Testing	RG	
Tue 2009-11-24 11:48:18	Awaiting Hybrid and Cables	ML	Installed a new set of preamps. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=174">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=174</a>
<b>174:___/___:094 (Config: 641)</b>			
Thu 2009-10-29 17:55:55	Awaiting Repair	RG	See previous description on notes and link on config # 164 with one bad data point with LO of 233GHz and IF at 8GHz. It's believed preamp #162 has a warped lid.
Thu 2009-10-29 17:48:25	Awaiting Cold Testing	RG	Oscillations discovered at LO = 233 GHz only at 8 GHz IF, and only when mixer 162 is turned on. Spec Analyzer plot attached. Also found no osc biasing mixer w/o LO.
Wed 2009-10-28 11:29:48	Awaiting Cold Testing	RG	
Fri 2009-10-16 12:30:01	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Fri 2009-10-16 08:51:11	Awaiting Preamp Integratio	ML	Installed a set of W05C12L56 chips.
Wed 2009-10-14 11:16:58	Awaiting Component Install	ML	Initial build. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=173">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=173</a>
<b>173:275/279:106 (Config: 648) In Cartridge: 014 Pol: 1</b>			
Thu 2010-03-11 15:49:29	Awaiting Cartridge		Checked this mixer for oscillations and found none. One false color map is in link.
Tue 2010-02-23 13:23:33	Awaiting Cartridge	RG	This is installed in Cartridge B6-014. It was reviewed by M. Shannon and was found acceptable.
Sat 2009-12-05 08:49:05	Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xslm version, which accounts for gain slope.
Thu 2009-11-12 13:49:58	Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0%, USB: 1.14% % Rt. >83K = 0%, USB: 1.8% All LO Freq's measured across 5-10GHz IF.
Mon 2009-11-09 15:25:48	Awaiting Cold Testing	RG	
Wed 2009-11-04 11:21:52	Awaiting Hybrid and Cables	ML	*EDIT* Corrected preamp pair.
Wed 2009-11-04 11:21:51	Awaiting Hybrid and Cables	ML	Ready for testing.
Wed 2009-11-04 10:37:03	Awaiting Preamp Integratio	ML	Replaced with a set of W05C12L56 chips. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=173">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=173</a>
<b>173:___/___:503 (Config: 637)</b>			
Fri 2009-10-16 16:07:14	Awaiting Cold Testing	RG	This mixer block was a wafer #14 evaluation and had high receiver noise temperatures exceeding the 83K ALMA spec from LO frequencies 241GHz through 265GHz.
Fri 2009-10-16 10:45:41	Awaiting Cold Testing	RG	
Mon 2009-10-12 16:08:55	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Mon 2009-10-12 12:00:27	Awaiting Preamp Integratio	ML	Installed a set of W14C14L59 chips.
Mon 2009-10-12 11:56:56	Awaiting Component Install	ML	Initial build. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=172">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=172</a>
<b>172:294/295:501 (Config: 622) In Cartridge: 032 Pol: 0</b>			
Wed 2010-06-09 11:06:33	Awaiting Cartridge		



Status	By	Notes
Wed 2010-06-09 11:06:08	Awaiting Hybrid and Cables	Updating preamp info.
Sat 2009-12-05 08:10:40	Awaiting Cartridge	RG Updated Hisogram to new 1.9 xlsm version, which accounts for gain slope.
Wed 2009-10-21 08:41:03	Awaiting Cold Testing	RG From: John Effland (12 kB) Sent: Wednesday, October 21, 2009 8:40 AM To: rgroves@nrao.edu cc: Tony Kerr (akerr@NRAO.EDU); Matt Morgan (mmorgan2@nrao.edu); Michael Shannon; mlambeth@nrao.edu; Dave Schmitt (dschmitt@nrao.edu); ksaini@nrao.edu; Skip T
Tue 2009-10-20 14:23:44	Awaiting Cold Testing	RG Validating the Mixer Test System after receiving a new LO Source. Block 172 has tuning circuit IN1 installed.
Mon 2009-10-05 13:47:27	Awaiting Cartridge	RG The hisogram from 4.3 to 10GHz yielded the following results:  % Irej. <10dB = LSB: .14% USB: .14% % Rt. >83K = LSB: 1.9% USB: 3.2%
<b>172:___/___:501 (Config: 619)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=172">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=172</a>
Fri 2009-10-02 08:31:34	Awaiting Cold Testing	RG
<b>172:___/___:___ (Config: 617)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=172">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=172</a>
Thu 2009-10-01 11:37:16	Awaiting Hybrid and Cables	ML Installed preamps, Ready for testing.
Thu 2009-10-01 11:34:34	Awaiting Preamp Integratio	ML Installed a set of W05C12L56 chips.
Thu 2009-10-01 11:33:35	Awaiting Component Install	ML Initial build.
<b>171:204/211:103 (Config: 647) In Cartridge: 020 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=171">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=171</a>
Fri 2009-12-04 16:20:54	Awaiting Cartridge	RG Updated Hisogram to new 1.9 xlsm version, which accounts for gain slope.
Mon 2009-11-16 08:26:04	Awaiting Cartridge	RG % Irej < 10dB = LSB: 0.16%, USB: 0.0% % Rt > 83K = LSB: 0.0%, USB: 0.0% Each LO measured across an IF of 5-10GHz.
Thu 2009-11-12 15:39:21	Awaiting Cold Testing	RG
Wed 2009-11-04 11:19:42	Awaiting Hybrid and Cables	ML Ready for testing.
Wed 2009-11-04 10:33:26	Awaiting Preamp Integratio	ML Replaced with a set of W05C12L56 chips.
<b>171:204/211:503 (Config: 636)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=171">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=171</a>
Mon 2009-10-26 14:28:00	Awaiting Repair	RG Wafer #014 Test...5-10GHz IF Results % Rt. >83K = LSB: 24%, USB:42% % Irej. <10dB = LSB: 0.16%, USB: 5.66% Replace mixer chips and re-test with anything other than waer #014. This is the last tested section of wafer #014 and completes testing of this w
Fri 2009-10-23 10:08:47	Awaiting Cold Testing	RG Wafer #014 test
Mon 2009-10-12 16:08:12	Awaiting Hybrid and Cables	ML Integrated with preamps, ready for testing.
Mon 2009-10-12 12:02:19	Awaiting Preamp Integratio	ML Installed a set of W14C14L56 chips.

	Status	By	Notes
Mon 2009-10-12 11:56:03 <b>170:266/271:503 (Config: 640)</b>	Awaiting Component Install	ML	Initial build. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=170">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=170</a>
Fri 2010-07-09 13:40:58	Awaiting Retest	RG	Mixer block #170 was previously tested and found to be marginal, but after reviewing the data I found that the LO did not lock at LO 253GHz, So this mixer is a candidate for re-testing.
Thu 2010-07-08 16:07:16	Awaiting Diagnostics	ML	Awating results after running data in newest version histogram software.
Wed 2010-03-31 10:40:58	Awaiting Repair	RG	
Wed 2009-10-14 08:39:36 <b>170:266/271:503 (Config: 639)</b>	Awaiting Repair	RG	The receiver noise temperatures %>83K surpasses the 10% allowed on both sidebands with the LSB at 11.5% of the data points >83K, and the USB has 11.5% of the data points >83K. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=170">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=170</a>
Tue 2009-10-13 09:13:40 <b>170:266/271:501 (Config: 618)</b>	Awaiting Cold Testing	RG	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=170">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=170</a>
Mon 2009-10-12 15:15:38	Awaiting Hybrid and Cables	ML	Replaced left-side chip.
Thu 2009-10-01 16:00:19 <b>170:266/271:501 (Config: 616)</b>	Awaiting Repair	RG	Mixer #1 (Left) exhibits a 50uA leakage current at 4.2K. No need to test. Replace mixer chip and re-test. See IV Curves. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=170">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=170</a>
Thu 2009-10-01 11:32:12	Awaiting Cold Testing	RG	
Thu 2009-10-01 11:31:12	Awaiting Mixer Chips	ML	*edit* IN1 tuning circuit. This was built to further test the low-end performance of the IN1 tuning network.
Thu 2009-10-01 08:14:56 <b>170:266/271:___ (Config: 615)</b>	Awaiting Cold Testing	RG	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=170">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=170</a>
Wed 2009-09-30 16:36:38	Awaiting Hybrid and Cables	ML	Installed preamps, Ready for testing.
Wed 2009-09-30 16:35:02	Awaiting Preamp Integratio	ML	Installed a set of W05C12L56 chips.
Wed 2009-09-30 16:34:31 <b>169:216/252:541 (Config: 801)</b>	Awaiting Component Install	ML	Initial build. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=169">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=169</a>
Fri 2010-07-09 14:35:33	Awaiting Diagnostics	RG	After reviewing the data closer, mixer block #169 (LSB, 221GHz) the receiver noise temperatures exceed the MTS test spec's of 73K at most data points. Also, this appears to be pointing to mixer #1 (Left), as it has trouble achieving the requested LO pump
Fri 2010-07-09 08:36:05	Awaiting Cold Testing	RG	During the noise temperature testing, at LO 241GHz (8GHz IF) mixer #2 Right bias supply voltage drifted from 7.9mV to 5.5mV, not locking at 8.5mV as it was supposed to. The receiver noise temperatures are high, which is a factor of the mixer bias voltage
Thu 2010-07-08 16:36:33 <b>169:216/252:071 (Config: 570)</b>	Awaiting Cold Testing	RG	Replaced Hybrid, and re-testing with the newer LO source. Test #2 <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=169">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=169</a>
Thu 2010-07-08 14:32:42	Awaiting Retest	RG	After the repair meeting, it was decided to re-run a new version histogram (2.3.2)for mixer block 169 because it tested marginal the previous test. The new histogram reveals high Rt that exceed the ALMA spec's, but after reviewing the test data, I noted t

Status	By	Notes
Wed 2010-03-31 10:40:08 Awaiting Repair	RG	
Tue 2009-08-11 11:12:40 Awaiting Repair	RG % Irej. <10dB = LSB: 0%, USB: 4.8% % Rt. >83K = LSB: 8.1% USB: 2.4%	This device is border line for receiver noise temperatures, especially when placed into a cold cartridge. The image rejection could possibly be improved with a better hybrid, as hybr
Fri 2009-07-17 17:01:52 Awaiting Hybrid and Cables <b>169:___/___:071 (Config: 568)</b>	ML Added preamp info.	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=169">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=169</a>
Mon 2009-08-10 10:45:10 Awaiting Cold Testing	RG	
Fri 2009-07-17 17:01:51 Awaiting Hybrid and Cables	ML Installed preamps, Ready for testing.	
Fri 2009-07-17 16:59:58 Awaiting Preamp Integratio	ML Installed a set of W05C12L56 chips.	
Fri 2009-07-17 16:56:11 Awaiting Component Install <b>168:272/277:055 (Config: 721)</b>	ML Initial build.	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168</a>
Wed 2010-06-23 11:17:08 Hold for Testing	ML On hold for testing due to W15 chips installed.	
Thu 2010-02-18 15:55:45 Awaiting Hybrid and Cables	ML Integrated with preamps, ready for testing. First W15 mixer-preamp evaluation test.	
Wed 2010-02-17 16:13:31 Awaiting Preamp Integratio <b>168:___/___:___ (Config: 664)</b>	ML Replaced both mixer chips. First W15 test.	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168</a>
Tue 2009-11-17 10:14:05 Awaiting Repair <b>168:___/___:108 (Config: 591)</b>	ML Removed preamps, red tagged and stored in Vidmar.	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168</a>
Tue 2009-09-15 16:34:01 Awaiting Repair	RG Running the Optimum Bias Routine, at all LO Frequencies the Rt exceeds the 83K ALMA Spec. Also, the mixer current for mixer #2 (Right) is seperated by 20uA of the bias mixer current for mixer #1 (Left).	
Fri 2009-09-11 16:18:34 Awaiting Hybrid and Cables <b>168:___/___:108 (Config: 588)</b>	ML *EDIT* Corrected preamp info.	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168</a>
Tue 2009-09-15 08:29:27 Awaiting Cold Testing <b>168:___/___:___ (Config: 579)</b>	RG	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168</a>
Fri 2009-09-11 16:18:33 Awaiting Hybrid and Cables	ML Bonded new mixer chip, ready for testing.	
Wed 2009-09-09 12:27:04 Awaiting Preamp Integratio <b>168:___/___:071 (Config: 569)</b>	ML Replaced right-side chip.	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168</a>
Fri 2009-08-07 16:57:12 Awaiting Repair <b>168:___/___:071 (Config: 567)</b>	RG Mixer #2 (Right) has a leakage current of 50uA at 4K. See IV Curves.	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168</a>
Fri 2009-08-07 11:52:28 Awaiting Cold Testing	RG	
Fri 2009-07-17 17:01:27 Awaiting Hybrid and Cables	ML Installed preamps, Ready for testing.	
Fri 2009-07-17 16:56:50 Awaiting Preamp Integratio	ML Installed a set of W05C12L56 chips.	

	Status	By	Notes
Fri 2009-07-17 16:54:53	Awaiting Component Install	ML	Initial build.
<b>167:123/128:___ (Config: 663)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=167">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=167</a>
Thu 2010-06-24 10:27:27	Awaiting Hybrid and Cables	ML	Integrated with preamps, Warm bias tested, ready for test.
Thu 2010-06-24 10:26:01			Added checklist file link
Wed 2010-06-23 16:34:28			Added bias file link
Mon 2010-06-21 16:42:00	Awaiting Preamp Integratio	ML	Replaced chips.
Tue 2009-11-17 10:13:47	Awaiting Repair	ML	Removed preamps, red tagged and stored in Vidmar.
<b>167:___/___:108 (Config: 603)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=167">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=167</a>
Mon 2009-09-21 15:39:22	Awaiting Repair	RG	% Irej. <10dB = LSB: 0%, USB: 0% % Rt. >83K = LSB: 24.4%, USB: 13.2% This second test still exceeds the ALMA specs, not as bad as the first test, but still unacceptable.
<b>167:___/___:108 (Config: 594)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=167">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=167</a>
Thu 2009-09-17 08:45:07	Awaiting Cold Testing	RG	
<b>167:___/___:___ (Config: 582)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=167">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=167</a>
Fri 2009-09-11 16:19:20	Awaiting Hybrid and Cables	ML	Bonded new mixer chip, ready for testing.
Wed 2009-09-09 12:36:24	Awaiting Hybrid and Cables	ML	Replaced right-side chip.
<b>167:___/___:060 (Config: 564)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=167">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=167</a>
Fri 2009-06-19 11:26:30	Awaiting Repair	RG	The receiver noise temperatures on both sidebands really exceed the ALMA spec's, with the LSB having 11.4% of the data points >83K from 6-10GHz IF, while the USB has 9.6% of the data points >83K from 6-10GHz IF. The one thing I notice is that mixer #2 (ri
Tue 2009-06-16 15:33:43	Awaiting Cold Testing	RG	
Thu 2009-06-04 11:52:16	Awaiting Hybrid and Cables	ML	Installed preamps, Ready for testing.
Thu 2009-06-04 09:00:06	Awaiting Preamp Integratio	ML	Installed a set of W12C12L56 chips.
Wed 2009-06-03 11:51:06	Awaiting Component Install	ML	Initial build.
<b>166:240/259:031 (Config: 562) In Cartridge: 017 Pol: 0</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=166">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=166</a>
Thu 2010-07-08 16:33:33	Awaiting Diagnostics	ML	Awaiting a detailed post-failure inspection of all devices and components. If no discrepancies are discovered, install a new set of preamps.
Wed 2010-06-23 11:45:03	Awaiting Repair	ML	Removed from cartridge after gain spikes were discovered.
Wed 2010-03-31 16:08:11	Awaiting Cartridge	DS	Fails gain slope.
Tue 2010-02-23 13:47:09	Awaiting Cartridge	RG	This is installed in Cartridge B6-017. It was reveiwed by M. Shannon and was found to be not acceptable due to Power Density Slope
Thu 2009-12-03 15:24:06	Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xlsm version, which accounts for gain slope.

	Status	By	Notes
Mon 2009-06-15 09:56:49	Awaiting Cartridge	RG	% Irej. <10dB = LSB:1.2%, USB:.20%  % Rt >83K = LSB:1.6%, USB:0%
Wed 2009-06-10 16:37:44	Awaiting Cold Testing	RG	
Fri 2009-05-29 16:43:52	Awaiting Hybrid and Cables	ML	Integrated with preamps.
Fri 2009-05-29 12:13:08	Awaiting Preamp Integratio	ML	Installed first set of chips, ready for preamps.
Fri 2009-05-29 12:11:29	Awaiting Mixer Chips	ML	All passive components installed.
Fri 2009-05-29 12:09:53	Awaiting Component Install	ML	Initial build. Initial test of soft gold WG plating.
<b>165:125/126:538 (Config: 785)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=165">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=165</a>
Thu 2010-07-08 16:40:34	Awaiting Diagnostics	ML	Awaiting a detailed post-failure inspection of all devices and components. If no discrepancies are discovered, replace both the chips and the preamps and retest.
Wed 2010-06-30 08:39:29	Awaiting Repair		Updated with hisogram version 2.3.2
Tue 2010-06-29 13:04:45	Awaiting Repair	RG	Mixer Block 165 has a couple of problems. First, the IV curve for mixer #1 (left) at LO 225GHz is starved for LO power as mixer #2 (right) is the same at LO 229GHz. Also the Gain vs IF plot shows the gain is below the ALMA spec. line.
Mon 2010-06-28 15:20:19	Awaiting Cold Testing	RG	Test #5
Thu 2010-06-24 10:30:53	Awaiting Hybrid and Cables	ML	Integrated with preamps, Warm bias tested, ready for test.
Thu 2010-06-24 10:30:09			Added checklist file link
Thu 2010-06-24 10:29:47			Added bias file link
Mon 2010-06-21 16:39:51	Awaiting Preamp Integratio	ML	Replaced chips.
<b>165:___/___:528 (Config: 751)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=165">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=165</a>
Thu 2010-05-13 08:23:47	Awaiting Cold Testing	RG	This data has receiver noise temperature spikes, that I believe to be related to chopper timing errors. The previous test did not behave in this manner.
Wed 2010-05-12 08:49:17	Awaiting Cold Testing	RG	Id of the preamps was set at 3mA, but Rt does not meet ALMA spec's. See copy of email below. Oscillation test still needs to be performed.
			Ralph,
			I think this mixer is okay, because the oscillation is small for Id = 3.8 mA, especially since I just p
Sat 2010-05-08 07:21:07	Awaiting Cold Testing	MR	Started Oscillation test
Fri 2010-05-07 10:54:48	Awaiting Cold Testing	RG	Installed in MTS with a new hybrid and cables
<b>165:___/___:055 (Config: 716)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=165">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=165</a>
Thu 2010-02-18 15:53:04	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Wed 2010-02-17 15:52:14	Awaiting Preamp Integratio	ML	Replaced left-side mixer chip.

	Status	By	Notes
<b>165:___/___:516 (Config: 697)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=165">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=165</a>
Thu 2010-01-28 10:40:55	Awaiting Repair	RG	Mixer #1 Left has a 50uA leakage current at LO frequencies 241-249GHz, plus the LO is unable to deliver 40uA of bias current at these LO frequencies. Mixer #2 Right looks good. See IV curves and optimum bias results tab.
Wed 2010-01-27 16:08:06	Awaiting Cold Testing	RG	Replaced Hybrid #065 with hybrid #516 to improve Image rejection test results.
<b>165:___/___:___ (Config: 654)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=165">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=165</a>
Fri 2009-12-04 13:16:16	Awaiting Repair	RG	Updated Hisogram to new 1.9 xslm version, which accounts for gain slope. Results reveal a new hybrid is needed for re-testing purposes.
<b>165:___/___:065 (Config: 561)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=165">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=165</a>
Wed 2009-06-24 10:37:40	Awaiting Cartridge	RG	% Irej. <10dB = LSB:0%, USB:2.85%
			% Rt >83K = LSB:3.9%, USB:1.4%
Wed 2009-06-24 10:36:16	Awaiting Cold Testing	RG	Hybrid #65 had to be used instead of 66 due to #66 was not drilled and tapped.
Fri 2009-06-19 15:41:47	Awaiting Cold Testing	RG	The preamps were swapped and tested hybrid 066 was installed with new phase matched cables.
Fri 2009-06-05 16:11:13	Awaiting Repair	RG	With phase mated cables #5,#6, and hybrid #24 from mixer block 105, the image rejection improved 45%. This device is still rejected because 2 of the data points are <7dB. However, the Irej. is so unbalanced between the sidebands that the next logical thin
Wed 2009-06-03 15:40:48	Awaiting Cold Testing	RG	Removed phase matched cables (#5, & #6) and Hybrid (#24) from mixer block 105, which is ready for cartridge, and used it for troubleshooting Irej. in this mixer block assy.
Wed 2009-06-03 13:40:16	Awaiting Repair	RG	% Img. Rej. USB <10dB = 50.61%. The previous mixer (150) had the same results using the same hybrid #57 and cables 11 & 12. The hybrid and cables from mixer block 105, which is ready for cartridge and yielded excellent results for Irej. will be used on th
Tue 2009-06-02 11:45:18	Awaiting Cold Testing	RG	First test of the Soft Gold plating in the waveguide of the mixer block.
Fri 2009-05-29 16:43:14	Awaiting Hybrid and Cables	ML	Integrated with preamps.
Fri 2009-05-29 12:11:56	Awaiting Preamp Integratio	ML	Installed first set of chips, ready for preamps.
Fri 2009-05-29 12:10:12	Awaiting Mixer Chips	ML	All passive components installed.
Fri 2009-05-29 12:08:37	Awaiting Component Install	ML	Initial build. Initial test of soft gold WG plating.
<b>164:___/___:___ (Config: 795)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=164">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=164</a>
Thu 2010-07-08 15:44:14	Awaiting Diagnostics	ML	Red tagged due to damage to the machined RF sections in the block.
Thu 2010-07-08 15:41:20	Awaiting Acceptance Inspec	ML	Initial entry
<b>163:___/___:___ (Config: 798)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=163">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=163</a>
Thu 2010-07-08 15:49:29	Awaiting Diagnostics	ML	Red tagged due to damage to the machined RF sections in the block.
Thu 2010-07-08 15:46:41	Awaiting Acceptance Inspec	ML	Initial entry
<b>162:___/___:___ (Config: 662)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162</a>
Thu 2010-07-08 17:01:04	Awaiting Diagnostics	ML	Red tagged for now.

	Status	By	Notes
162:___/___:108 (Config: 605)	Tue 2009-11-17 10:13:16 Awaiting Repair	ML	Removed preamps, red tagged and stored in Vidmar. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162</a>
162:___/___:108 (Config: 604)	Tue 2009-09-22 15:06:57 Awaiting Repair	RG	Mixer #1 (Left) still oscillates after the new preamp pair was installed and the mixer chip was replaced. Also, it is still sensitive to minor changes in magnet current. I'll place in the "Red Tag" bin for now because this could be a mixer block issue. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162</a>
162:___/___:___ (Config: 581)	Tue 2009-09-22 09:20:52 Awaiting Cold Testing	RG	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162</a>
	Fri 2009-09-11 16:24:31 Awaiting Hybrid and Cables	ML	Bonded new mixer chip, ready for testing.
162:___/___:084 (Config: 573)	Wed 2009-09-09 12:34:23 Awaiting Preamp Integratio	ML	Replaced left-side chip. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162</a>
162:___/___:084 (Config: 572)	Tue 2009-08-25 10:28:57 Awaiting Repair	RG	Mixer #1 (Left) still oscillates after the new preamp pair was installed. Also, it is still sensitive to minor changes in magnet current, and also appears to be somewhat starved for LO power compared to mixer #2 (Right). <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162</a>
	Mon 2009-08-24 11:25:11 Awaiting Cold Testing	RG	
	Mon 2009-08-24 10:44:24 Awaiting Hybrid and Cables	ML	Installed new preamp pair with serials well out of the possible batch of amplifiers with warped lid issues.
162:___/___:084 (Config: 563)	Mon 2009-08-24 09:47:55 Awaiting Repair	RG	Mixer #1 (Left) Oscillates during the optimum bias routine from LO 241-249GHz, and this device is sensitive to oscillation with minor changes in magnet current. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=162</a>
	Thu 2009-08-20 14:17:51 Awaiting Cold Testing	RG	
	Wed 2009-08-12 16:56:47 Awaiting Hybrid and Cables	ML	Final bonded chips, preamps already installed, ready for cold testing.
	Tue 2009-08-11 16:53:10 Awaiting Preamp Integratio	ML	Installed new set of W05C12L56 chips.
	Wed 2009-06-10 11:28:15 Awaiting Repair	RG	This was another test of wafer #14. % Irej. <10dB = LSB:0%, USB:40.58% % Rt >83K = LSB:47.9%, USB:16.6% Replace mixer chips with those from wafer #5 or #6.
	Mon 2009-06-08 13:20:54 Awaiting Cold Testing	RG	Wafer #14 evaluation
	Thu 2009-06-04 16:13:42 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing. Wafer 14 test.
	Thu 2009-06-04 08:58:01 Awaiting Preamp Integratio	ML	Installed a set of W14C12L56 chips for evaluation of wafer 14.
161:___/___:___ (Config: 796)	Wed 2009-06-03 11:50:40 Awaiting Component Install	ML	Initial build. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=161">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=161</a>
	Thu 2010-07-08 15:50:28 Awaiting Diagnostics	ML	Red tagged due to damage to the machined RF sections in the block.
	Thu 2010-07-08 15:45:56 Awaiting Acceptance Inspec	ML	Initial entry

	Status	By	Notes
<b>160:247/248:081 (Config: 559)</b>	<b>In Cartridge: 026 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=160">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=160</a>
Thu 2010-03-11 10:57:51	Awaiting Cartridge		Oscillation check: Noise temp vs IF shows peak, but false color plots show its broad and LO related.
Tue 2010-02-23 13:28:23	Awaiting Cartridge	RG	This is installed in Cartridge B6-026. It was received by M. Shannon and was found acceptable
Thu 2009-12-03 13:44:51	Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xlsn version, which accounts for gain slope.
Thu 2009-08-20 10:20:47	Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0% USB: 1.2%
			% Rt. >83K = LSB: 1.2% USB: 1.2%
Mon 2009-08-17 13:04:56	Awaiting Cold Testing	RG	
Wed 2009-08-12 16:53:12	Awaiting Hybrid and Cables	ML	Bonded chips, preamps already installed, ready for cold testing.
Tue 2009-08-11 16:56:34	Awaiting Preamp Integratio	ML	Installed new set of W05C12L56 chips.
Wed 2009-05-27 13:15:09	Awaiting Repair	RG	The % of image rejection <10dB across the 211-265GHz test band was 0% for the LSB, but 54.69% for the USB. However the % Rt >83K across the 211-265GHz test band was 16.1% for the LSB and 8.4% for the USB. Overall the performance was poor.
Thu 2009-05-21 08:52:07	Awaiting Cold Testing	RG	
Thu 2009-05-14 09:51:24	Awaiting Hybrid and Cables	ML	Integrated preamps, ready for testing.
Wed 2009-05-13 17:31:22	Awaiting Preamp Integratio	ML	Installed a set of W05C12L56 chips, ready for preamp integration.
Tue 2009-05-05 15:59:10	Awaiting Component Install	ML	Initial build.
<b>159:___/___:___ (Config: 797)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=159">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=159</a>
Thu 2010-07-08 15:49:44	Awaiting Diagnostics	ML	Red tagged due to dammage to the machined RF sections in the block.
<b>159:___/___:___ (Config: 560)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=159">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=159</a>
Wed 2010-07-07 11:22:31		ML	I have rejected this mixer block due to finding a severely bent section in the left-side coupling probe channels.
Thu 2009-05-14 09:53:17	Awaiting Repair	ML	I have rejected this mixer block due to finding a severely bent section in the left-side coupling probe channels.
<b>159:___/___:___ (Config: 558)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=159">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=159</a>
Thu 2010-07-08 15:46:21	Awaiting Acceptance Inspec	ML	Initial entry
Wed 2009-05-13 17:30:04	Awaiting Preamp Integratio	ML	Installed a set of W05C12L56 chips, ready for preamp integration.
Tue 2009-05-05 15:58:12	Awaiting Component Install	ML	Initial build.
<b>158:236/239:___ (Config: 794)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=158">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=158</a>
Tue 2010-07-06 15:07:56	Awaiting Hybrid and Cables	ML	Replaced hybrid, old hybrid failed cold testing. Ready for retest.
<b>158:236/239:507 (Config: 679)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=158">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=158</a>
Wed 2010-03-31 10:42:48	Awaiting Retest	RG	
Tue 2009-12-15 08:57:14	Awaiting Retest	RG	The second retest had problems from LO 237-265GHz with poor "Y" factor during nightly test. Idecided to move on to the next one and visit #158 later.



Status	By	Notes
Sat 2009-12-12 12:38:28 Awaiting Cold Testing	RG	Due to the histogram gain charts I decided to rerun this device again. It's not certain what is causing this performance. Perhaps a re-test will shed some light on mixer #158.
Thu 2009-12-10 14:04:27 Awaiting Cold Testing	RG	Replaced Hybrid 074 with a 500 series hybrid from Mac Technology. This mixer/preamp was removed from Cartridge #023 for poor image rejection.
<b>158:236/239:074 (Config: 553)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=158">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=158</a>
Thu 2009-12-10 14:03:20 Awaiting Repair	RG	Removed from Cartridge #023 for poor Image Rejection.
Fri 2009-08-14 15:16:10 Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0%, USB: .2%  % Rt. >83K = LSB: 5.7%, USB: 1.8%
Tue 2009-08-11 15:26:37 Awaiting Cold Testing	RG	
Tue 2009-08-04 17:13:11 Awaiting Hybrid and Cables	ML	Re-epoxied right-side mixer chip. Ready for testing.
Tue 2009-08-04 12:19:24 Awaiting Preamp Integratio	ML	Discovered that the right-side mixer chip was loose. Re-epoxying and will retest.
Tue 2009-06-16 08:32:56 Awaiting Repair	RG	Mixer #2 (Right) displays an open circuit at 4.2K. See IV Curves.
Mon 2009-06-15 13:17:21 Awaiting Cold Testing	RG	
Fri 2009-05-29 16:54:42 Awaiting Hybrid and Cables	ML	Previously integrated with preamps.
Fri 2009-05-29 12:07:23 Awaiting Preamp Integratio	ML	Replaced both chips with W05C12L56 pair.
Wed 2009-04-22 10:28:23 Awaiting Repair	RG	In the middle of the test band at LO 241-249GHz there is insufficient LO Power. Tried testing using 2 different triplers and achieved the same results. The problem is not LO related, but mixer related.
Fri 2009-04-17 15:11:02 Awaiting Cold Testing	ML	Mixer optimization tested by Lacasse. Insufficient LO power at most frequencies. Big difference in Ij between mixer 1 and 2. Of coarse, I may have configured the system incorrectly.
Wed 2009-04-15 13:15:18 Awaiting Cold Testing	RG	
Tue 2009-04-07 15:54:38 Awaiting Hybrid and Cables	ML	Ready for cold testing.
Tue 2009-04-07 15:40:36 Awaiting Preamp Integratio	ML	Replaced right side chip. Ready for preamp integration.
Wed 2009-04-01 10:06:54 Awaiting Repair	RG	Mixer #2 (Right) lost one of the four junctions at 4K. See IV Curves.
Tue 2009-03-31 09:28:17 Awaiting Cold Testing	RG	
Fri 2009-03-27 16:13:08 Awaiting Hybrid and Cables	ML	Integrated preamps, ready for testing.
Fri 2009-03-20 17:27:23 Awaiting Preamp Integratio	ML	Installed first set of chips, ready for preamps.
Fri 2009-03-20 16:27:47 Awaiting Mixer Chips	ML	Passive components installed, ready for chips.
Fri 2009-03-20 16:26:21 Awaiting Component Install	ML	Initial build.
<b>157:225/229:058 (Config: 552) In Cartridge: 008 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=157">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=157</a>
Mon 2009-03-30 11:49:04 Awaiting Cartridge	RG	Irej <10dB = LSB:.41% USB:1.42% Rt >83K = LSB:1% USB:1.6%
Fri 2009-03-27 16:32:39 Awaiting Hybrid and Cables	ML	
Thu 2009-03-26 16:30:12 Awaiting Hybrid and Cables	ML	Installed preamps, ready for testing.

	Status	By	Notes
	Thu 2009-03-26 11:24:41	Awaiting Cold Testing	RG
	Fri 2009-03-20 17:25:55	Awaiting Preamp Integratio	ML Installed first set of chips, ready for preamps.
	Fri 2009-03-20 16:33:06	Awaiting Hybrid and Cables	ML Installed preamps, ready for testing.
	Fri 2009-03-20 16:26:42	Awaiting Mixer Chips	ML Passive components installed, ready for chips.
	Fri 2009-03-20 16:25:56	Awaiting Component Install	ML Initial build.
<b>156:251/134:075 (Config: 565)</b>	<b>In Cartridge: 024 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=156">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=156</a>
	Mon 2009-11-30 15:38:31	Awaiting Cartridge	RG Updated Hisogram to new 1.9 xslm version, which accounts for gain slope.
	Fri 2009-07-17 10:08:45	Awaiting Cartridge	RG % Irej. <10dB = LSB: 0%, USB: 2.64%
			% Rt. >83K = LSB: 1.4%, USB: .8%
	Thu 2009-07-16 09:10:51	Awaiting Cold Testing	RG
	Wed 2009-07-15 12:25:11	Awaiting Hybrid and Cables	ML *EDIT* Corrected preamp info.
	Wed 2009-07-15 12:25:10	Awaiting Hybrid and Cables	ML Swapped preamps, ready for retest.
	Wed 2009-07-15 11:56:48	Awaiting Repair	ML Failed IR.
<b>156:___/___:031 (Config: 554)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=156">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=156</a>
	Thu 2009-05-07 09:29:29	Awaiting Repair	RG Image rejection on the USB has 26.22% of the data points <10dB and 3 data points <7dB. Try a new set of preamps and retest. Noise temperatur are excellent.
	Tue 2009-05-05 09:31:41	Awaiting Cold Testing	RG
	Tue 2009-04-07 16:22:21	Awaiting Hybrid and Cables	ML Ready for cold testing.
	Tue 2009-04-07 15:38:45	Awaiting Preamp Integratio	ML Replaced with W06 chips. Ready for preamp integration.
	Mon 2009-04-06 15:43:56	Awaiting Repair	ML Deleted Preamps /0000
	Mon 2009-03-30 10:46:07	Awaiting Repair	ML Removed preamp pair 243/244.
<b>156:___/___:057 (Config: 550)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=156">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=156</a>
	Fri 2009-03-27 17:00:31	Awaiting Hybrid and Cables	ML *RETRO* Adding preamp pair.
	Mon 2009-03-23 12:46:37	Awaiting Repair	RG
	Mon 2009-03-23 12:43:46	Awaiting Cold Testing	RG The Room temperature IV curves look good before and after the cool down. At 4K, both mixers appear to have 2 damaged junctions. The devices are test(s) from wafer #14. Both mixer chips are in need of replacement.
	Fri 2009-03-20 13:22:35	Awaiting Cold Testing	RG
	Tue 2009-03-10 09:54:51	Awaiting Hybrid and Cables	ML Integrated with preamps, ready for test,
	Tue 2009-03-10 09:53:09	Awaiting Preamp Integratio	ML Installed set of W14C14L62 chips.
	Tue 2009-03-03 15:56:14	Awaiting Mixer Chips	ML Installed passive components.
	Tue 2009-03-03 15:55:49	Awaiting Component Install	ML Initial entry.
<b>155:206/228:032 (Config: 551)</b>	<b>In Cartridge: 024 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=155">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=155</a>

	Status	By	Notes
Mon 2009-11-30 15:32:39	Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xlsm version, which accounts for gain slope.
Mon 2009-04-27 11:39:13	Awaiting Cartridge	RG	% Rt > 83K = LSB:1.6%, USB:1.2%
			% Irej. < 10dB = LSB:.2%, USB:2.44%
Wed 2009-04-22 10:33:01	Awaiting Cold Testing	RG	
Tue 2009-04-07 15:37:48	Awaiting Hybrid and Cables	ML	Ready for cold testing.
Tue 2009-04-07 15:36:08	Awaiting Preamp Integratio	ML	Replaced with W05 chips. Ready for preamp integration.
Thu 2009-03-26 16:27:59	Awaiting Repair	RG	The cold IV curve for mixer #1 (Left) shows a leakage current of 25uA. I decided not to waste the time testing this device as I have other production priorities at this time. Past experience tells me this device
Thu 2009-03-26 16:27:13	Awaiting Cold Testing	RG	
Fri 2009-03-20 16:31:03	Awaiting Hybrid and Cables	ML	*RETRO ENTRY*
Fri 2009-03-20 16:12:06	Awaiting Preamp Integratio	ML	Replaced right-side chip.
Tue 2009-03-10 09:56:29	Awaiting Repair	ML	Replace blown chip.
<b>155:___/___:___ (Config: 549)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=155">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=155</a>
Tue 2009-03-03 15:53:42	Awaiting Mixer Chips	ML	Two junctions blown on right-side chip. Org. res.:115, final:60. Replace.
<b>155:___/___:___ (Config: 547)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=155">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=155</a>
Tue 2009-03-03 11:40:55	Awaiting Mixer Chips	ML	Passive components installed.
Tue 2009-03-03 11:40:26	Awaiting Component Install	ML	Initial entry.
<b>154:___/___:___ (Config: 661)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=154">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=154</a>
Thu 2010-07-08 16:56:37	Awaiting Diagnostics	ML	Awaiting a detailed post-failure inspection of all devices and components. If no discrepancies are discovered, replace the M-2 right-side mixer chip.
Tue 2009-11-17 10:12:33	Awaiting Repair	ML	Removed preamps, red tagged and stored in Vidmar.
<b>154:___/___:057 (Config: 546)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=154">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=154</a>
Fri 2009-05-29 14:01:56	Awaiting Repair	RG	Mixer #2 (Right)cold IV curve displays 30uA of leakage current. Test 3 showed the same results. Perhaps the high leakage current is not associated with the mixer chip in this case. Investigate a little deeper looking closely at the block and other compone
Thu 2009-05-28 15:21:52	Awaiting Cold Testing	RG	
Thu 2009-05-21 17:39:09	Awaiting Hybrid and Cables	ML	Preamps already installed, ready for testing.
Thu 2009-05-21 17:38:31	Awaiting Preamp Integratio	ML	Replaced right-side chip.
Thu 2009-05-14 09:52:18	Awaiting Repair	RG	Mixer Block 154:234/238:057 was tested using the optimum bias program. The results yielded noise temperature results that were above the 83K Alma specification at a couple of LO frequencies. The reason for this is that mixer #2 right is starved for LO pow
Tue 2009-05-12 12:00:53	Awaiting Cold Testing	RG	
Tue 2009-05-05 15:57:10	Awaiting Hybrid and Cables	ML	Preamps already installed.

	Status	By	Notes
	Fri 2009-05-01 17:07:10	Awaiting Preamp Integratio	ML Replaced the right-side W06 chip.
	Fri 2009-04-03 14:24:43	Awaiting Repair	RG Mixer #2 (Right) displays 3 junctions instead of 4 junctions at 4.2K. See IV Curves. Mixer #2 is in need of a new mixer chip.
	Fri 2009-04-03 08:55:29	Awaiting Cold Testing	RG
	Thu 2009-04-02 09:56:13	Awaiting Hybrid and Cables	ML Bonded and integrated with preamps.
	Wed 2009-04-01 11:43:11	Awaiting Preamp Integratio	ML Installed new set of W06 chips.
	Wed 2009-03-11 12:44:17	Awaiting Repair	RG Mixer #2 Right, indicates a shorted IV curve at 4.2K. Appears to have a defective mixer chip.
	Wed 2009-03-11 12:42:47	Awaiting Cold Testing	RG
	Fri 2009-02-27 09:30:23	Awaiting Hybrid and Cables	ML Installed set of preamps. Ready for testing.
	Fri 2009-02-27 09:28:56	Awaiting Preamp Integratio	ML Replaced mixer chips with W14C12L56, second test for wafer 14.
	Wed 2009-02-25 12:02:18	Awaiting Mixer Chips	ML Both chips are blown possibly due to ESD. Replace chips.
<b>154:___/___:___ (Config: 545)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=154">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=154</a>
	Wed 2009-02-25 12:00:13	Awaiting Preamp Integratio	ML Installed W04C12L56 chips.
	Wed 2009-02-25 11:59:48	Awaiting Component Install	ML Initial Entry
<b>153:195/198:514 (Config: 738) In Cartridge: 027 Pol: 0</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=153">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=153</a>
	Tue 2010-04-27 15:33:08	Awaiting Cartridge	
	Wed 2010-04-21 16:06:00	Awaiting Cartridge	RG Approved for use in Monday meeting On 4/19 by JEE. Hisogram version 2.1
	Mon 2010-04-19 13:10:53	Awaiting Cartridge	JE Based on our results for Cartridge 032, I think we should use it in a cartridge at 3 mA drain current.
	Wed 2010-04-14 10:57:14	Awaiting Cold Testing	JEE I don't see any sharp spikes in the false color maps for this mixer:  \\cvfiler\cv-cdl-sis\MxrTstSys\Data\Blk153\Blk153Test5\Mxr153FalseColor.pdf  Also, I don't really see a single-frequency spike for any of these:  so I think this mixer might
	Wed 2010-04-14 08:46:59	Awaiting Cold Testing	RG Awaiting Approval for use in Cartridge. This mixer/Preamp was run with the first two preamp stages Id set at 3.8mA.
	Thu 2010-04-08 13:01:29	Awaiting Cold Testing	ML Full absorber installed in preamp lids, ready for retest.
<b>153:___/___:514 (Config: 693) In Cartridge: 021 Pol: 0</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=153">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=153</a>
	Wed 2010-03-31 10:34:43	Awaiting Cartridge	RG
	Tue 2010-02-23 13:25:33	Awaiting Cartridge	RG This is installed in Cartridge B6-021. It was reveiwed by M. Shannon and was found acceptable

Status	By	Notes
Mon 2010-02-22 12:31:30 Awaiting Cartridge	RG From: John Effland (66 kB) Sent: Monday, February 22, 2010 12:29 PM To: 'Dave Schmitt' cc: Michael Shannon; 'Michael Reynolds' Subj: RE: Mixer Specs for 128 and 153	Dave,  To summarize, both are good.
Mon 2010-01-25 14:39:55 Awaiting Cartridge	RG % Irej. <10dB = LSB: 0.0%, USB: 0.82% % Rt. >83K = LSB: 1.3%, USB: 3.1% Measured across an IF of 5-10GHz Histogram Version: 2.0	Mixer-Preamp 128 false color maps look
Wed 2010-01-20 12:04:29 Awaiting Cold Testing <b>153:___/___:086 (Config: 574)</b>	RG Replaced Hybrid #086 with #514 for improved image rejection and re-testing purposes.	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=153">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=153</a>
Fri 2009-12-04 14:28:36 Awaiting Cartridge	RG Updated Hisogram to new 1.9 xlsm version, which accounts for gain slope. Results reveal a new hybrid is needed for re-testing purposes.	
Wed 2009-09-02 10:29:25 Awaiting Cartridge	RG % Irej. <10dB = LSB: 0.0%, USB: 1.83%	
<b>153:___/___:086 (Config: 548)</b>	% Rt. >83K = LSB: 1.8%, USB: 4.1%	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=153">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=153</a>
Mon 2009-08-31 10:40:43 Awaiting Cold Testing	RG	
Wed 2009-08-19 17:24:44 Awaiting Hybrid and Cables	ML Already integrated with preamps, ready for testing.	
Tue 2009-08-18 11:38:02 Awaiting Preamp Integratio	ML Replaced left-side chip with another W04C12L56 chip.	
Wed 2009-03-25 15:58:04 Awaiting Repair	RG Mixer #1 (Left) has 30uA leakage current, but passes Rt at all LO frequencies. However, the Irej. on the USB exceeds the ALMA spec of 10% data points <10dB with 46.75% of data points <10dB. Check out bias tee circuit for mixer #1 Left...strange IV curves.	
Mon 2009-03-23 13:51:33 Awaiting Cold Testing	RG	
Fri 2009-03-20 15:34:06 Awaiting Hybrid and Cables	ML Ready for testing.	
Fri 2009-03-20 15:29:58 Awaiting Preamp Integration	ML Replaced right-side chip. Left-side chip is 5 mils longer than the right. To compensate, I installed the left chip so that the IF pad was flush with the tuning network-side of the chip saddle.	
Tue 2009-03-03 15:50:05 Awaiting Repair	ML Cracked the right-side chip during final assembly. Replace.	
<b>153:___/___:047 (Config: 544)</b>	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=153">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=153</a>	
Tue 2009-03-03 11:37:23 Awaiting Preamp Integratio	ML Replaced with a set of W04C12L56 chips.	
Fri 2009-02-27 09:28:00 Awaiting Hybrid and Cables	ML Installed set of preamps. Ready for testing.	

	Status	By	Notes
	Fri 2009-02-27 09:26:22	Awaiting Preamp Integratio	ML Replaced mixer chips with W14C12L56, first test for wafer 14.
	Thu 2009-02-26 16:17:18	Awaiting Repair	RG This was the first test of Wafer #14 mixer chips from UVA.
	Wed 2009-02-25 15:08:30	Awaiting Cold Testing	RG
	Wed 2009-02-25 11:58:41	Awaiting Mixer Chips	ML Both chips are blown possibly due to ESD. Replace chips.
<b>153:___/___:___ (Config: 543)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=153">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=153</a>
	Wed 2009-02-25 11:52:05	Awaiting Preamp Integratio	ML Installed W04C12L56 chips.
	Wed 2009-02-25 11:51:41	Awaiting Component Install	ML Initial entry
<b>152:133/224:082 (Config: 542) In Cartridge: 007 Pol: 1</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=152">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=152</a>
	Tue 2010-02-23 13:19:07	Awaiting Cartridge	RG This is installed in Cartridge B6-007. It was reveiwed by M. Shannon and was found acceptable.
	Sat 2009-12-05 08:55:45	Awaiting Cartridge	RG Updated Hisogram to new 1.9 xls m version, which accounts for gain slope.
	Wed 2009-07-08 13:38:57	Awaiting Cartridge	RG % Irej. <10dB = LSB:0%, USB:.61% % Rt >83K = LSB:.4%, USB:1.2%
	Mon 2009-07-06 10:25:32	Awaiting Cold Testing	RG
	Wed 2009-07-01 15:56:24	Awaiting Hybrid and Cables	ML Swapped to hybrid 082 which has very good performance, the best of the new lot. I will leave the cable/polarization selection to Ralph's discretion
	Wed 2009-04-08 11:27:32	Awaiting Repair	RG The image rejection on the USB has 38.21% of the data points <10dB across the test band. The receiver noise temperatures meet ALMA spec;s, as the mixer chips are from wafer #5. Try a new set of preamps and retest.
	Mon 2009-04-06 10:06:32	Awaiting Cold Testing	RG
	Thu 2009-04-02 09:34:14	Awaiting Hybrid and Cables	ML Bonded and integrated with preamps.
	Wed 2009-04-01 11:39:01	Awaiting Preamp Integratio	ML Installed new set of W05 chips.
	Tue 2009-03-10 10:42:08	Awaiting Repair	RG Rt on both sidebands exceed the ALMA spec's with rhe LSB having 25.4% of the data points >83K, and the USB has 11.6% of the data points >83K...The image rejection meets ALMA spec's. with no problem.
	Fri 2009-03-06 13:24:26	Awaiting Cold Testing	RG
	Wed 2009-02-25 10:41:57	Awaiting Hybrid and Cables	ML Reqady for testing.
	Wed 2009-02-25 10:40:38	Awaiting Preamp Integratio	ML Replaced chips.
	Mon 2009-02-23 16:19:56	Awaiting Repair	ML Replace Chips.
<b>152:___/___:047 (Config: 535)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=152">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=152</a>
	Wed 2009-02-18 15:46:53	Awaiting Repair	RG Both mixer chips are defective at 4K. See IV curve plots. Also the room temp resistance was 68 ohms and 78 ohms compared to typical values of 88-98 ohms.
	Wed 2009-02-18 13:23:47	Awaiting Cold Testing	RG
	Thu 2009-02-12 10:44:18	Awaiting Hybrid and Cables	ML I think the chips may have lost a junction, but only cold testing will show for sure.
	Thu 2009-02-12 10:43:14	Awaiting Preamp Integratio	ML Replaced with W03C12L56 chips
	Thu 2009-02-12 10:24:22	Awaiting Repair	ML Replace with W03C12L56 chips

	Status	By	Notes
<b>152:___/___:057 (Config: 529)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=152">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=152</a>
Fri 2009-01-23 12:59:47	Awaiting Repair	RG	The optimum bias routine reveals at LO frequency 265GHz the Rt is at 90K or above at all the tested bias points. The test was repeated at 265GHz with the same results.
Thu 2009-01-22 15:49:11	Awaiting Cold Testing	RG	
Thu 2009-01-22 15:47:06	Awaiting Cold Testing	RG	
Mon 2009-01-12 11:58:15	Awaiting Hybrid and Cables	ML	Integrated preamps.
Mon 2009-01-12 11:57:06	Awaiting Preamp Integratio	ML	Installed W03C14L62 chips.
Mon 2009-01-12 11:56:27	Awaiting Mixer Chips	ML	Installed passive components.
Mon 2009-01-12 11:56:11	Awaiting Component Install	ML	Plated.
Mon 2009-01-12 11:55:46	Awaiting Final Cleaning/Plat	ML	Accepted.
Mon 2009-01-12 11:49:03	Awaiting Acceptance Inspec	ML	Initial entry.
<b>151:189/196:114 (Config: 650)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=151">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=151</a>
Sat 2009-12-05 08:03:21	Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xslm version, which accounts for gain slope.
Wed 2009-11-18 10:53:26	Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0%, USB: 0% % Rt. >83K = LSB: 0%, USB: 0.2% Measured across an IF of 5-10GHz
Mon 2009-11-16 13:19:14	Awaiting Cold Testing	RG	
Thu 2009-11-12 11:48:06	Awaiting Hybrid and Cables	ML	Preamps already installed.
Tue 2009-11-10 16:26:55	Awaiting Preamp Integratio	ML	Replaced left-side mixer chip.
<b>151:151/219:108 (Config: 593)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=151">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=151</a>
Wed 2009-09-16 15:34:00	Awaiting Repair	RG	Mixer#1 (Left) displays 3 junctions instead of 4 junctions. See IV Curves.
<b>151:___/___:108 (Config: 592)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=151">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=151</a>
Wed 2009-09-16 09:56:39	Awaiting Cold Testing	RG	
<b>151:___/___:___ (Config: 580)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=151">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=151</a>
Fri 2009-09-11 16:14:09	Awaiting Hybrid and Cables	ML	Bonded new mixer chip, ready for testing.
Wed 2009-09-09 12:31:15	Awaiting Preamp Integratio	ML	Replaced left-side chip.
<b>151:___/___:071 (Config: 536)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=151">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=151</a>
Thu 2009-07-23 15:07:48	Awaiting Repair	RG	Mixer #1 (Left) IV cure has 40uA leakage current at 4.2K...Not point in testing. Most likely the mixer chip will need to be replaced.
Thu 2009-07-23 09:51:17	Awaiting Cold Testing	RG	
Fri 2009-07-17 15:56:54	Awaiting Hybrid and Cables	ML	Mated with preamp pair to give it a shot at improving IR with a test-verified hybrid.
Tue 2009-02-17 16:48:14	Awaiting Repair	RG	Tested Mixer Block 151:125/237:047...But the USB had Irej. Below the 7dB minimum allowed. The Irej. on the USB averages 6-8dB, but the LSB Irej. is between 15 and 20dB.

	Status	By	Notes
	Fri 2009-02-13 13:37:18	Awaiting Cold Testing	RG
	Fri 2009-02-13 13:34:08	Awaiting Cold Testing	ML Changed preamp pair in attempt to repair low Irej. problems.
	Thu 2009-02-12 10:35:59	Awaiting Hybrid and Cables	ML Bonded and tested Ready for test. The only thing that changed was the chips.
	Thu 2009-02-12 10:33:22	Awaiting Preamp Integratio	ML Replaced with W03C12L56 chips
	Thu 2009-02-12 10:29:21	Awaiting Preamp Integratio	ML Replaced with W03C12L56 chips
	Thu 2009-02-12 10:23:39	Awaiting Repair	ML Replace with W03C12L56 chips
<b>151: ___/___:057 (Config: 528)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=151">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=151</a>
	Fri 2009-01-23 13:06:08	Awaiting Repair	RG
	Thu 2009-01-22 15:46:16	Awaiting Cold Testing	RG
	Thu 2009-01-22 13:21:22	Awaiting Cold Testing	RG The image rejection on the LSB at 221GHz LO averages about 8dB at all data points between 6-10GHz IF. The receiver noise temperatures look great. Let's try a new set of preamps and retest.
	Tue 2009-01-20 14:36:35	Awaiting Cold Testing	RG
	Tue 2009-01-20 14:17:04	Awaiting Cold Testing	RG
	Mon 2009-01-12 11:47:23	Awaiting Hybrid and Cables	ML Integrated preamps.
	Mon 2009-01-12 11:45:34	Awaiting Preamp Integratio	ML Installed W03C14L62 chips.
	Mon 2009-01-12 11:44:27	Awaiting Mixer Chips	ML Installed passive components.
	Mon 2009-01-12 11:44:07	Awaiting Component Install	ML Plated.
	Mon 2009-01-12 11:43:52	Awaiting Final Cleaning/Plat	ML Accepted.
	Mon 2009-01-12 11:43:02	Awaiting Acceptance Inspec	ML Initial entry.
<b>150:190/244:059 (Config: 527) In Cartridge: 018 Pol: 1</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=150">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=150</a>
	Mon 2009-06-08 10:55:00	Awaiting Cartridge	RG % Irej <10dB = LSB: 0% USB: 1.42%  % Rt >83K = LSB: 0.6% USB: 1.4%
	Fri 2009-06-05 15:47:33	Awaiting Cold Testing	RG Installed phase matched cables #1, #2, and hybrid #59 to see if image rejection improves on the USB.
	Tue 2009-06-02 09:44:23	Awaiting Repair	RG % Irej. <10dB = LSB: .2% USB: 23.78% % Rt >83K = LSB: 0% USB: 0% A new set of preamps will likely fix the Irej because most of the USB is between 9-10dB. Try a new set of preamps and re-test.
	Fri 2009-05-29 16:13:42	Awaiting Cold Testing	RG
	Thu 2009-05-21 17:37:44	Awaiting Hybrid and Cables	ML Preamps already installed, ready for testing.
	Thu 2009-05-21 17:36:38	Awaiting Preamp Integratio	ML Replaced left-side chip.
	Thu 2009-04-02 15:45:53	Awaiting Repair	RG The image rejection on the LSB is extremely low with 2-6dB being average. Also noted that mixer #1 left, starves for LO power at LO 221GHz.
	Thu 2009-04-02 14:33:21	Awaiting Preamp Integratio	ML



	Status	By	Notes
	Wed 2009-04-01 10:58:37	Awaiting Cold Testing	RG
	Wed 2009-04-01 10:29:49	Awaiting Hybrid and Cables	ML Installed a new set of preamps: 190/244
	Thu 2009-01-15 13:25:15	Awaiting Repair	RG The image rejection on the LSB is below 5dB at LO 221GHz at all measured points. Try new preamp pair and re-test.
	Tue 2009-01-13 16:40:51	Awaiting Cold Testing	RG
	Mon 2009-01-12 11:41:06	Awaiting Hybrid and Cables	ML Integrated preamps.
	Mon 2009-01-12 11:38:43	Awaiting Preamp Integratio	ML Installed W03C12L56 chips.
	Mon 2009-01-12 11:37:19	Awaiting Mixer Chips	ML Installed passive components.
	Mon 2009-01-12 11:36:50	Awaiting Component Install	ML Plated.
	Mon 2009-01-12 11:36:05	Awaiting Final Cleaning/Plat	ML Accepted.
	Mon 2009-01-12 11:35:40	Awaiting Acceptance Inspec	ML Initial entry.
<b>149:___/___:519 (Config: 723)</b>		<b>In Cartridge: 019 Pol: 0</b>	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=149">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=149</a>
	Thu 2010-03-11 11:25:14	Awaiting Cartridge	No oscillations found in hist data nor in false color maps (link for one attached).
	Mon 2010-02-22 13:50:08	Awaiting Cartridge	RG Tested Across an IF from 5-10GHz Histogram Version: 2.0
	Mon 2010-02-22 09:54:45	Awaiting Cold Testing	RG Ok for production. High end gain okay.  J. Effland
	Thu 2010-02-18 15:13:34	Awaiting Cold Testing	RG Removed from Cart. #017 and hybrid #041 was replaced with #519 to improve the image rejection performance.
<b>149:___/___:041 (Config: 555)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=149">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=149</a>
	Wed 2009-04-15 10:38:55	Awaiting Cartridge	RG Rt >83K = LSB:1.6%, USB:1.4% Irej <10dB = LSB:.2%, USB:4.27%
	Wed 2009-04-08 15:14:23	Awaiting Cold Testing	RG
	Tue 2009-04-07 17:16:50	Awaiting Cold Testing	RG Previous hybrids and cables used. Ready for cold testing.
	Tue 2009-04-07 17:15:37	Awaiting Hybrid and Cables	ML Installed a new set of preamps with much better gain.
	Tue 2009-04-07 17:14:19	Awaiting Repair	ML Failed cartridge testing: Low gain on pol 1.
<b>149:___/___:041 (Config: 526)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=149">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=149</a>
	Fri 2009-03-27 11:36:49	Awaiting Cartridge	RG % Rt > 83K = LSB:1.6% USB:2.8% % Irej. < 10dB = LSB:.20% USB:.81%
	Thu 2009-01-15 16:35:33	Awaiting Cold Testing	RG
	Mon 2009-01-12 11:33:34	Awaiting Hybrid and Cables	ML Integrated preamps.
	Mon 2009-01-12 11:31:24	Awaiting Preamp Integratio	ML Installed W03C12L56 chips.
	Mon 2009-01-12 11:30:30	Awaiting Mixer Chips	ML Installed passive components.

	Status	By	Notes
Mon 2009-01-12 11:29:20	Awaiting Component Install	ML	Plated.
Mon 2009-01-12 11:28:50	Awaiting Final Cleaning/Plat	ML	Accepted.
Mon 2009-01-12 11:28:17	Awaiting Acceptance Inspec	ML	Initial entry.
<b>148:207/213:052 (Config: 649)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=148">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=148</a>
Thu 2010-07-08 16:34:50	Awaiting Diagnostics	ML	Awaiting a detailed post-failure inspection of all devices and components. If no discrepancies are discovered, install a new set of chips.
Fri 2009-11-06 14:08:35	Awaiting Repair	RG	The test results were not repeatable as the 2008-12-15 test results. There are poor image rejection issues and high receiver noise temperatures. The IV curves and data reveal that mixer #2(right) starves for LO Power. The mixer currents last year were wel
Thu 2009-11-05 09:31:16	Awaiting Cold Testing	RG	Removed from Cartridge #013 for poor image rejection on the USB...Validity test underway.
Thu 2009-11-05 09:28:34	Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0%, USB: 0% % Rt. >83K = LSB: 0.8%, USB: 0.1%
Mon 2008-12-15 09:24:49	Awaiting Cold Testing	RG	
Wed 2008-11-26 09:22:53	Awaiting Hybrid and Cables	ML	Integrated with preamps
Wed 2008-11-26 09:21:02	Awaiting Preamp Integratio	ML	Installed a set of W03C12L56 chips.
Mon 2007-03-05 09:18:14	Awaiting Component Install	ML	Initial entry.
<b>147:197/203:___ (Config: 759)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=147">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=147</a>
Fri 2010-06-18 09:34:06		JE	This mixer is currently lost!
Fri 2010-05-21 11:05:16	Awaiting Hybrid and Cables	ML	Replaced the second stage in preamp after trying to double bond the drains. Retest at will.
<b>147:197/203:507 (Config: 736)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=147">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=147</a>
Wed 2010-04-07 15:33:24	Awaiting Repair	RG	Mixer Block 147 and preamp 203 still oscillates with a drain current of 4.2mA set on Id1. The Longer screws didn't make any change to the oscillation level. On a side note the MTS has a ground loop associated with it that is such when the refrigerator col
Tue 2010-04-06 16:00:43	Awaiting Cold Testing	RG	Mixer Block 147 and preamp 203 oscillated with a drain current of 4.2mA set on Id1. The lid was taken off and found that the screws did not have the recess around the pocket, so the screws were to short only biting on 1-2 threads. Longer screws were insta
Mon 2010-04-05 14:53:59	Awaiting Cold Testing	RG	Testing again with the single (1 Piece)absorber lid checking for oscillations and effect on overall performance.
Mon 2010-04-05 14:51:00	Awaiting Cold Testing	RG	Testing again with the single (1 Piece)absorber lid checking for oscillations and effect on overall performance.
Mon 2010-04-05 11:26:29	Awaiting Cold Testing		Re-attached full-absorber lids, ready for retest.
<b>147:197/203:507 (Config: 735)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=147">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=147</a>
Wed 2010-03-31 10:30:39	Awaiting Cold Testing	DN	Awaiting new lids
Tue 2010-03-30 08:52:25	Awaiting Cold Testing		With the original preamp lids an oscillation is once again present. This time the Id for the preamps is set to 4.4mA before the device breaks into oscillation. However, previously with the same lids this device broke into oscillation when the Id's were se

Status	By	Notes
Mon 2010-03-29 14:29:19 Awaiting Cold Testing		It was decided in the Monday meeting to put the original preamp lids back on and check for confirmation that oscillations are indeed present, and if so, another modified set of lids will be tried to get at the fix for the oscillation issues.
Mon 2010-03-29 08:43:03 Awaiting Cold Testing	RG	Awaiting Approval... Measured across an IF of 5-10GHz Histogram Version: 2.0 This device is very stable because changes in preamp Id does not break this device into oscillation. The absorber in the lids appears to have solved the previous oscillation t
Thu 2010-03-25 15:19:34 Awaiting Cold Testing	RG	The pramps have new lids with pockets milled for absorber to see if the oscillations disappear.
Mon 2010-03-22 11:15:15 Awaiting Retest	RG	Measured across an IF of 5-10GHz Histogram version:2.0  Oscillation levels Mixer/preamp 1 (left) Id1=5.2mA Id2=6.1mA, Mixer 2 (Right) Id1=4.15mA Id2=4.17mA  The pramp lids are going to receive new lids with pockets milled for absorber and retested at
Fri 2010-03-19 15:54:38 Awaiting Cold Testing	RG	Retesting...looking for oscillations...If none found, this device will undergo complete testing again, and preamp Id changes will be recorded that break this device into oscillation.
Fri 2010-03-19 14:55:53 Awaiting Cold Testing		Preamp lids lapped, Ready to be retested.  <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=147">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=147</a>
<b>147:197/203:507 (Config: 680)</b>		
Fri 2010-03-19 11:37:35 Awaiting Cold Testing	RG	Mixer block 147 was removed from cartridge #016 for oscillations at LO freq's 249,253,261, and 265GHz. Mike Lambeth will lap the lids prior to retesting in the MTS. See Dave S. write up on the previous record for further detailed information.
Mon 2010-03-08 12:44:50 Installed in Cartridge		From: John Effland [mailto:jeffland@nrao.edu] Sent: Monday, March 08, 2010 12:39 PM To: Dave Schmitt (dschmitt@nrao.edu) Cc: Matt Morgan (mmorgan2@nrao.edu); Tony Kerr (akerr@NRAO.EDU); Michael Shannon; mlacasse@nrao.edu Subject: Notes on Mixer-Pream
Tue 2010-02-23 13:34:29 Awaiting Cartridge	RG	This is installed in Cartridge B6-016. It was reviewed by M. Shannon and was found to be acceptable.
Thu 2009-12-17 08:25:49 Awaiting Cartridge	RG	% Irej. < 10dB = LSB: 0.33%, USB: 0.33% % Rt >83K = LSB: 0.5%, USB: 3.1% Measured across the IF from 5-10GHz. Histogram Version 1.9
Tue 2009-12-15 08:59:29 Awaiting Cold Testing	RG	Replaced hybrid #038 with #507 for retesting purposes.  <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=147">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=147</a>
<b>147:197/203:038 (Config: 525)</b>		
Mon 2009-12-07 16:02:09 Awaiting Repair	RG	The Histogram reveals High Image rejection that exceeds the ALMA spec's. A new hybrid is needed for re-testing purposes.
Fri 2009-01-16 15:38:04 Awaiting Cold Testing	ML	Entering in final chip resistance

	Status	By	Notes
Thu 2009-01-15 13:44:19	Awaiting Cold Testing	ML	should work this time
Thu 2009-01-15 12:38:09	Awaiting Cold Testing	ML	Trying to add chips again:dnagaraj
Thu 2009-01-15 12:34:28		ML	Addidng chips:dnagaraj
Mon 2009-01-12 11:02:57	Awaiting Cartridge	RG	% Rt > 83K = LSB 1.2%, USB .6% (10% Max.) % Irej < 10dB = LSB .41%, USB 5.8% (10% Max) No image rejection points below 7dB.
Mon 2009-01-12 10:24:46	Awaiting Cold Testing	ML	Added hybrid and cables.
Mon 2009-01-12 10:23:22	Awaiting Hybrid and Cables	ML	Ready for testing.
Mon 2009-01-12 10:08:34	Awaiting Preamp Integratio	ML	Installed W03C12L56 chips.
Mon 2009-01-12 10:07:38	Awaiting Mixer Chips	ML	Initial assembly.
Mon 2009-01-12 10:07:12	Awaiting Component Install	ML	Plated.
Mon 2009-01-12 10:06:26	Awaiting Final Cleaning/Plat	ML	Passed acceptance inspection.
Mon 2009-01-12 10:05:14	Awaiting Acceptance Inspec	FJ	Passed Acceptance inspection.
Mon 2009-01-12 10:04:38	Awaiting Acceptance Inspec	ML	Initial Entry.

**146:187/185:076 (Config: 566) In Cartridge: 014 Pol: 0**

<http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=146>

Thu 2010-03-11 15:52:53	Awaiting Cartridge		Oscillation check finds none. The broad spike in noise vs IF is from the MTS LO, as seen in the false color map available from the link.
Thu 2010-03-11 15:52:53	Awaiting Cartridge		Oscillation check finds none. The broad spike in noise vs IF is from the MTS LO, as seen in the false color map available from the link.
Tue 2010-02-23 13:24:11	Awaiting Cartridge	RG	This is installed in Cartridge B6-014. It was reveiwed by M. Shannon and was found acceptable
Tue 2010-02-23 13:24:11	Awaiting Cartridge	RG	This is installed in Cartridge B6-014. It was reveiwed by M. Shannon and was found acceptable
Thu 2009-12-03 15:32:36	Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xlsm version, which accounts for gain slope.
Thu 2009-12-03 15:32:36	Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xlsm version, which accounts for gain slope.
Wed 2009-07-22 15:13:08	Awaiting Cartridge	RG	% Irej. <10dB = LSB: 1.02%, USB: 4.27%
			% Rt. > 83K = LSB: 1.2%, USB: 2.2%
Wed 2009-07-22 15:13:08	Awaiting Cartridge	RG	% Irej. <10dB = LSB: 1.02%, USB: 4.27%
			% Rt. > 83K = LSB: 1.2%, USB: 2.2%
Tue 2009-07-21 11:51:59	Awaiting Cold Testing	RG	Replaced Hybrid #67 with #76 to improve image rejection.
Tue 2009-07-21 11:51:59	Awaiting Cold Testing	RG	Replaced Hybrid #67 with #76 to improve image rejection.
Tue 2009-07-21 11:07:30	Awaiting Cold Testing	RG	%Irej. <10dB = LSB: 0%, USB: 7.11% % Rt. >83K = LSB: 3.7%, USB: 2.4% The hybrid for mixer block 146 is going to be changed from #67 to #76 and retesting will occur overnight for the purpose of improving image rejection, and finding an acceptable criteri

Status	By	Notes
Tue 2009-07-21 11:07:30 Awaiting Cold Testing	RG	%Irej. <10dB = LSB: 0%, USB: 7.11% % Rt. >83K = LSB: 3.7%, USB: 2.4% The hybrid for mixer block 146 is going to be changed from #67 to #76 and retesting will occur overnight for the purpose of improving image rejection, and finding an acceptable criteri
Fri 2009-07-17 14:08:11 Awaiting Cold Testing	RG	
Fri 2009-07-17 14:08:11 Awaiting Cold Testing	RG	
Thu 2009-07-16 09:04:42 Awaiting Hybrid and Cables	ML	Added information for preamp pair.
Thu 2009-07-16 09:04:42 Awaiting Hybrid and Cables	ML	Added information for preamp pair.
Wed 2009-07-15 12:23:47 Awaiting Hybrid and Cables	ML	Swapped preamps, ready for retest.
Wed 2009-07-15 12:23:47 Awaiting Hybrid and Cables	ML	Swapped preamps, ready for retest.
Wed 2009-07-15 11:57:23 Awaiting Repair	ML	Failed IR.
Wed 2009-07-15 11:57:23 Awaiting Repair	ML	Failed IR.
<b>146:___/___:058 (Config: 504)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=146">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=146</a>
Mon 2009-03-23 12:36:45 Awaiting Repair	RG	The image rejection improved 13% by putting different hybrid and cables. The Irej. is still unbalanced with the USB barely holding 10dB, with the LSB Irej. 20dB avg. We plan to swap the preamps and re-test.
Wed 2009-03-18 14:19:56 Awaiting Cold Testing	RG	The phase matched cables and hybrid were swapped out for a re-test to see if Img. Rej. improves.
Mon 2009-03-16 10:34:46 Awaiting Repair	RG	Irej. on the USB has 23.58% of the data points <10dB.
Wed 2009-03-11 12:46:43 Awaiting Cold Testing	RG	
Tue 2009-03-10 10:11:24 Awaiting Hybrid and Cables	ML	Integrated with a better matched set of preamps.
Wed 2009-01-28 14:37:41 Awaiting Repair	RG	The Irej. (LSB) is below 10dB at LO frequencies 221-229GHz.
Fri 2009-01-23 14:19:24 Awaiting Cold Testing	RG	
Fri 2009-01-23 11:21:07 Awaiting Cold Testing	ML	Added chip info.
Thu 2009-01-22 16:56:08 Awaiting Cold Testing	ML	Replaced bad gain slope preamps with a newer pair > SN:123. Entered chip info.
Thu 2009-01-22 16:52:47 Awaiting Cold Testing	ML	Replaced bad gain slope preamps with a newer pair > SN:123.
Awaiting Final Cleaning/Plat	ML	
<b>145:199/217:056 (Config: 669) In Cartridge: 011 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=145">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=145</a>
Wed 2009-11-18 11:18:24	RG	*EDIT* Corrected hybrid info.
Wed 2009-11-18 11:16:17 Awaiting Preamp Integratio	ML	*EDIT* Corrected chip IDs and preamp info.
<b>145:___/___:___ (Config: 503)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=145">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=145</a>
Awaiting Final Cleaning/Plat	ML	
<b>144:222/223:517 (Config: 705)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=144">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=144</a>
Thu 2010-07-08 16:37:42 Awaiting Retest	ML	Retest in MTS using lowered Id bias values.
Wed 2010-06-23 11:43:57 Awaiting Repair	ML	Removed from cartridge after noise spike in NI was discovered.

Status	By	Notes
Tue 2010-02-23 17:18:52 Awaiting Cartridge	RG	Matt Morgan has reviewed and approved this as acceptable.
Tue 2010-02-23 13:44:25 Awaiting Cartridge	RG	This is installed in Cartridge B6-017. It was reviewed by M. Shannon and was found to be not acceptable due to Power Density
Thu 2010-02-04 10:14:44 Awaiting Cartridge	RG	% Irej. <10dB = LSB: 1.31%, USB: 1.31% % Rt. >83K = LSB: 2.1%, USB: 7.4% Measured across an IF of 5-10GHz Histogram Version: 2.0
Tue 2010-02-02 13:37:23 Awaiting Cold Testing	RG	Removed from Cartridge #016. Hybrid #036 was replaced with #517 to improve Image Rejection during re-testing.
<b>144:222/223:036 (Config: 510) In Cartridge: 017 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=144">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=144</a>
Tue 2009-01-13 16:14:55 Awaiting Cartridge	RG	% Rt > 83K = LSB:2.4% USB 1.4% % Irej < 10dB = LSB: .2% USB: 5.69%
Mon 2009-01-12 11:25:58 Awaiting Hybrid and Cables	ML	
Fri 2008-12-19 10:12:29 Awaiting Mixer Chips		
Fri 2008-12-19 10:10:58 Awaiting Component Install	ML	Initial Entry
<b>143:249/285:090 (Config: 652) In Cartridge: 019 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=143">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=143</a>
Thu 2010-03-11 11:22:01 Awaiting Cartridge		No oscillations found. Checked hist data and false color plots and none found.
Tue 2010-02-23 16:33:52 Awaiting Cartridge	RG	From: Dave Schmitt [mailto: dschmitt@nrao.edu] (115 kB) Sent: Tuesday, February 23, 2010 3:07 PM To: John Effland; Michael Shannon; 'Ralph Groves' cc: 'Matt Morgan' Subj: RE: Histogram review
		OK we'll try new warm amps.
		Dave
		From: John Ef
Tue 2010-02-23 14:17:30 Awaiting Cartridge	RG	Mixer okay:  From: John Effland (8 kB) Sent: Tuesday, February 23, 2010 2:12 PM To: Michael Shannon cc: Dave Schmitt (dschmitt@nrao.edu); rgroves@nrao.edu Subj: Revised: False Color Maps for Mixer 143
		The maps have been revised with the MTS 7

Status	By	Notes
Tue 2010-02-23 14:05:49 Awaiting Cartridge	RG	From: John Effland (7 kB) Sent: Tuesday, February 23, 2010 2:05 PM To: Michael Shannon cc: Dave Schmitt (dschmitt@nrao.edu); rgroves@nrao.edu Subj: False Color Maps for Mixer 143  Mike,  The false color maps, which include specs only at the ca
Sat 2009-12-05 07:56:46 Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xlsx version, which accounts for gain slope.
Fri 2009-11-20 10:15:14 Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0.0% USB: 2.78% % Rt. >83K = LSB: 0.0% USB: 2.8% Measured across an IF of 5-10GHZ.
Fri 2009-11-20 08:18:56 Awaiting Cold Testing	RG	Inserted optimum bias file path for attempting to plot IV Curves. For some reason the optimum bias points did not get recorded into the data base.
Wed 2009-11-18 11:38:08 Awaiting Cold Testing	RG	
Thu 2009-11-12 11:42:26 Awaiting Hybrid and Cables	ML	Preamps already installed.
Tue 2009-11-10 16:30:56 Awaiting Preamp Integratio	ML	Replaced with a new set of W05C12L56 chips.
<b>143:249/285:503 (Config: 638)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=143">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=143</a>
Mon 2009-10-12 13:12:21 Awaiting Repair	RG	Mixer#2 (Right) displays a higher leakage current than Mixer #1 (Left). Both mixers exhibit high leakage currents.
<b>143:249/285:503 (Config: 635)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=143">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=143</a>
Thu 2009-10-08 10:18:32 Awaiting Cold Testing	RG	
<b>143:249/285:___ (Config: 632)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=143">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=143</a>
Tue 2009-10-06 16:00:19 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Tue 2009-10-06 15:56:44 Awaiting Preamp Integration	ML	Converted the interstage tuning network to the modified IN1 network after installing a new set of W05C12L56 chips.
<b>143:___/___:___ (Config: 607)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=143">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=143</a>
Tue 2009-09-22 16:46:05 Awaiting Preamp Integratio	ML	Replaced with W05C12L56 chips.
Tue 2009-09-22 16:44:55 Awaiting Mixer Chips	ML	Initial entry
<b>142:181/202:048 (Config: 505) In Cartridge: 015 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=142">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=142</a>
Wed 2010-07-07 11:58:31 Awaiting Cartridge	ML	Located in cartridge #15
Wed 2009-11-18 11:53:11 Awaiting Cold Testing	RG	*EDIT* Updated hybrid info.
Wed 2009-11-18 11:52:30 Awaiting Hybrid and Cables	ML	*EDIT* Updated preamp info.
<b>141:306/316:536 (Config: 776) In Cartridge: 033 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=141">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=141</a>

Status	By	Notes
Tue 2010-06-22 09:56:11 Awaiting Cartridge	RG	Histogram Version: 2.3.1 Measured across an IF of 5-10GHz Oscillation test is located in Misc. File
Mon 2010-06-21 11:33:38 Awaiting Cold Testing	RG	Test #8
Tue 2010-06-15 10:27:23 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for test.
Mon 2010-06-14 16:34:20 Awaiting Preamp Integratio	ML	Replaced left-side chip.
<b>141:306/316:520 (Config: 725)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=141">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=141</a>
Wed 2010-03-31 10:37:48 Awaiting Repair	RG	
Mon 2010-03-01 16:10:10 Awaiting Repair		Mixer #1 Left starves for LO Power at LO 233GHz-253GHz.. The optimum bias can only achieve 40uA max. Replace Mixer #1 left chip and retest.
Fri 2010-02-26 14:33:21 Awaiting Cold Testing	RG	Replaced hybrid #055 with #520 to improve the image rejection.
<b>141:306/316:055 (Config: 709)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=141">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=141</a>
Wed 2010-02-03 17:07:19 Awaiting Hybrid and Cables	ML	Replaced preamps with newer pair, ready for testing.
<b>141:___/___:069 (Config: 540)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=141">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=141</a>
Mon 2009-12-07 14:13:20 Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xlsm version, which accounts for gain slope. The histogram reveals a gain slope failure which likely indicates new preamps, new hybrid, and re-test, are necessary for acceptance.
Tue 2009-07-14 10:52:16 Awaiting Cartridge	RG	% Irej. <10dB = LSB: .81% USB: 0%  % Rt. > 83K = LSB: 2% USB: 1.6%
Fri 2009-07-10 14:52:20 Awaiting Cold Testing	RG	
Wed 2009-07-01 15:57:37 Awaiting Hybrid and Cables	ML	Swapped to hybrid 069 which has marginal but acceptable performance, well above the average performance of the new lot. I will leave the cable/polarization selection to Ralph's discretion
Wed 2009-02-25 13:28:00 Awaiting Repair	RG	Even with new preamps, the image rejection on the USB exceeds the 10% allowable spec below <10dB image rejection.
Mon 2009-02-23 14:30:23 Awaiting Cold Testing	RG	
Mon 2009-02-23 13:56:50 Awaiting Hybrid and Cables	ML	Replaced preamps.
Mon 2009-02-23 13:55:42 Awaiting Repair	ML	Replace preamps.
<b>141:___/___:047 (Config: 539)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=141">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=141</a>
Thu 2009-02-19 16:33:14 Awaiting Repair	RG	Image rejection results remain the same after the bond wires repair. See graph in noise temperature tab.
Thu 2009-02-19 09:17:10 Awaiting Cold Testing	RG	
Tue 2009-02-17 17:34:21 Awaiting Hybrid and Cables	ML	Tuned the preamp bobdwires to improve IR: left side is longer, right side is shorter. Ready for test.
Tue 2009-02-17 17:16:35 Awaiting Preamp Integratio	ML	
Tue 2009-02-17 17:15:48 Awaiting Acceptance Inspec	ML	Initial entry.
<b>140:245/193:509 (Config: 724) In Cartridge: 016 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140</a>



	Status	By	Notes
	Wed 2010-02-24 10:24:39 Awaiting Cartridge	RG	Tested Across an IF from 5-10GHz Histogram Version: 2.0
	Wed 2010-02-24 09:47:40 Awaiting Cold Testing	RG	This mixers okay.  Jee
	Wed 2010-02-24 08:55:55 Awaiting Cold Testing	RG	Awaiting acceptance review
	Mon 2010-02-22 13:53:13 Awaiting Cold Testing	RG	Removed from Cartridge #017 due to no Gain slope analysis on previous histogram version. Also the hybrid was replaced for improved Image Rejection performance.  <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140</a>
	<b>140:245/193:034 (Config: 541)</b>		
	Wed 2009-03-18 11:24:08 Awaiting Cartridge	RG	% of Rt. > 83K = LSB:1.2%, USB:.6% % of Irej. < 10dB = LSB:0%, USB:.2%
	Mon 2009-03-16 14:09:17 Awaiting Cold Testing	RG	
	Mon 2009-02-23 14:37:25 Awaiting Hybrid and Cables	ML	*EDIT* Corrected preamp info.
	Mon 2009-02-23 14:37:24 Awaiting Hybrid and Cables	ML	Swapped preamps.
	Mon 2009-02-23 14:00:28	ML	Swap preamps and retest.
	<b>140:___/___:047 (Config: 537)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140</a>
	Mon 2009-02-23 08:40:26 Awaiting Repair	RG	Mixer Block 140 is originally a gain slope repair device with new preamps, but now has image rejection issues. The image rejection results remain the same after the bond wires repair. See graph in noise temperature file to see that the Irej. on the LSB be
	Fri 2009-02-20 10:30:25 Awaiting Cold Testing	RG	
	Fri 2009-02-13 11:49:03 Awaiting Hybrid and Cables	ML	Shortened the right-side preamp bond, left-side is unchanged.
	Fri 2009-02-13 11:48:34 Awaiting Repair	ML	Failed IR
	<b>140:___/___:057 (Config: 290)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140</a>
	Wed 2009-02-25 11:50:29		
	Fri 2009-02-06 11:08:08 Awaiting Repair	RG	The image rejection on the LSB and USB exceeds the <10dB (allowable 10%)with the LSB at 11.18% and the USB at 11.59% Irej. The gain looks good, as this was a gain slope repair. Also the Rt look great too.
	Wed 2009-02-04 14:28:22 Awaiting Cold Testing	RG	
	Thu 2009-01-22 16:49:53 Awaiting Cold Testing	ML	Replaced bad gain slope preamps with a newer pair > SN:123.
	<b>140:___/___:034 (Config: 289)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140</a>
	Wed 2009-02-25 11:49:43		
	<b>140:___/___:034 (Config: 288)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140</a>
	Mon 2009-02-23 16:23:28		
	<b>140:___/___:034 (Config: 287)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140</a>
	Mon 2009-02-23 16:22:49		

Status	By	Notes
140:___/___:034 (Config: 286) Tue 2009-02-17 17:15:37		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140</a>
140:___/___:034 (Config: 285) Tue 2009-02-17 17:14:45		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=140</a>
139:188/191:055 (Config: 671) Wed 2009-11-18 11:45:17		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=139">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=139</a>
139:188/191:055 (Config: 284) In Cartridge: 013 Pol: 0 Wed 2009-11-18 11:44:47	RG	Ready for cartridge. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=139">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=139</a>
Wed 2009-11-18 11:42:48 Awaiting Hybrid and Cables	RG	*EDIT* Updated hybrid info.
Wed 2009-11-18 11:41:45 Awaiting Preamp Integratio	ML	*EDIT* Corrected preamp info.
Thu 2009-02-12 10:41:29	ML	*EDIT* Added chip IDs.
138:154/182:533 (Config: 762) In Cartridge: 031 Pol: 0 Tue 2010-06-01 11:44:43 Awaiting Cartridge		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=138">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=138</a>
138:154/182:055 (Config: 761) Fri 2010-05-28 15:49:08 Awaiting Cold Testing	RG	Measured across an IF of 5-10GHz Histogram Version: 2.3 Measured with Preamps Id set to 4.0mA I forgot to update the hybrid info on the previous configuration, but I did update the cables. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=138">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=138</a>
138:154/182:055 (Config: 720) Thu 2010-02-18 15:52:37 Awaiting Hybrid and Cables	RG	Replaced hybrid #055 with #533. Replaced cables 17A & 17B with 040 & 091 <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=138">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=138</a>
Wed 2010-02-17 16:10:42 Awaiting Preamp Integratio	ML	Integrated with preamps, ready for testing.
138:154/182:516 (Config: 702) Fri 2010-01-29 13:09:07 Awaiting Repair	ML	Replaced right-side mixer chip. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=138">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=138</a>
Thu 2010-01-28 15:27:40 Awaiting Cold Testing	RG	Mixer #2 Right has a soft IV curve at the Low and High LO frequency test range. Also, the mixer currents are mis-matched by 15-16uA. This mixer was removed from Cartridge #012 for high receiver noise temps. Another hybrid was tried to accomplish the best
138:154/182:054 (Config: 283) Fri 2009-12-04 13:13:42 Awaiting Repair	RG	Replaced hybrid #054 with hybrid #516 to improve image rejection performance. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=138">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=138</a>
Mon 2009-05-11 08:38:29 Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xslm version, which accounts for gain slope. Results reveal a new hybrid is needed for re-testing purposes.
	RG	% Irej. <10dB = LSB:1.83%, USB: 0.0%
		% Rt >83K = LSB:2.4%, USB:2.0%

Status	By	Notes
Thu 2009-05-07 11:48:49 Awaiting Cold Testing	RG	Mixer Block 138:154/182:054 was removed from cartridge #12 for low Irej, and high Rt. Retesting is occurring for the first time. Also, this is the first recorded information for this mixer block in this data base.
Thu 2009-05-07 11:48:40 Awaiting Hybrid and Cables	ML	*EDIT* Added preamp info.
Thu 2009-02-12 10:40:40		
<b>137:135/137:511 (Config: 684) In Cartridge: 022 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=137">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=137</a>
Wed 2010-07-07 12:06:35 Awaiting Cartridge	ML	Located in cartridge #15
Thu 2010-03-11 11:16:45 Awaiting Cold Testing		Reviewed hist data and false color plots for oscillations and found none.
Tue 2010-02-23 17:18:40 Awaiting Cold Testing	RG	Matt Morgan has reviewed and approved this as acceptable.
Tue 2010-02-23 13:33:27 Awaiting Cold Testing	RG	This is installed in Cartridge B6-022. It was reviewed by M. Shannon and was found to be not acceptable due to failing Gain Slope Spec.
Fri 2010-01-08 17:03:47 Awaiting Cold Testing	RG	MJL - hack to make software work. Assigned non-real chips
Fri 2010-01-08 10:06:43 Awaiting Cold Testing	RG	Mixer Block was removed from Cartridge 014 for poor image rejection. A new hybrid was installed for re-testing purposes.
<b>137:135/137:053 (Config: 653)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=137">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=137</a>
Thu 2009-12-03 14:00:44 Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0.0%, USB: 0.0% % Rt. >83K = LSB: 1.4%, USB: 1.4% Measured across an IF from 6-10GHz
Thu 2009-12-03 13:50:00 Awaiting Cold Testing	RG	
Mon 2009-11-16 16:28:34	ML	*EDIT* Added preamp info
<b>137:___/___:___ (Config: 282)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=137">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=137</a>
Thu 2009-02-12 10:33:09		
<b>136:186/212:513 (Config: 692)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=136">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=136</a>
Thu 2010-07-08 17:06:03 Awaiting Diagnostics	ML	Awating results after running data in newest version histogram software. If it still fails, Perform diagnostic inspection, then replace both the chips from a more reliable part of W05.
Wed 2010-03-31 10:39:48 Awaiting Repair	RG	
Wed 2010-01-20 08:39:23 Awaiting Repair	RG	% Irej. <10dB = LSB: 0.0%, USB: 0.0% % Rt. >83K = LSB: 0.3%, USB: 8.0% Measured across an IF from 5-10GHz Histogram Version 1.9 Located in Desiccator Marginal Bin with a Red Tag.
Fri 2010-01-15 14:13:42 Awaiting Cold Testing	RG	Hybrid 051 was replaced with 513 for improved image rejection results.
<b>136:186/212:051 (Config: 556)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=136">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=136</a>
Fri 2010-01-15 14:12:11 Awaiting Retest	RG	The hybrid needs to be replaced with the 500 series from mac Technology for improved image rejection performance.

	Status	By	Notes
	Fri 2009-05-01 14:18:35 Awaiting Cartridge	RG	% Irej. <10dB = LSB:.61%, USB:0%  % Rt >83K = LSB:5.1% USB:1.8%
	Thu 2009-04-30 09:07:03 Awaiting Cold Testing	RG	
	Fri 2009-04-17 16:10:33 Awaiting Hybrid and Cables	ML	Preamps already integrated, ready for testing
	Fri 2009-04-17 16:07:20 Awaiting Preamp Integratio	ML	Installed new W05 chips.
	Fri 2009-04-17 16:06:12 Awaiting Repair	ML	Both chips blown while sitting in the desiccator. Suspect ESD damage. Replace, chips.
<b>136:___/___:051 (Config: 281)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=136">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=136</a>
	Thu 2009-02-12 10:32:29		
	Thu 2009-01-29 16:06:02 Awaiting Cartridge	RG	%Rt > 83K = LSB:3%, USB:8.1% %Irej. < 10dB = LSB:0%, USB 0%
<b>135:113/114:037 (Config: 280) In Cartridge: 003 Pol: 0</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=135">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=135</a>
	Fri 2009-01-23 11:23:15		
<b>135:___/___:037 (Config: 279)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=135">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=135</a>
	Fri 2009-01-23 11:19:36		
<b>135:___/___:___ (Config: 277)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=135">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=135</a>
	Thu 2009-01-15 11:55:12		
<b>134:168/173:510 (Config: 683) In Cartridge: 026 Pol: 1</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=134">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=134</a>
	Thu 2010-03-11 10:54:18 Awaiting Cartridge		Reviewed the data for oscillations, and none were found. False color plots in misc file dir.
	Tue 2010-02-23 13:27:46 Awaiting Cartridge	RG	This is installed in Cartridge B6-026. It was reveiwed by M. Shannon and was found acceptable
	Thu 2010-01-07 16:11:46 Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0.0%, USB: 0.0% % Rt. >83K = LSB: 0.0%, USB: 0.0% Measured across an IF between 5-10GHz Histograms plots version 1.9
<b>134:168/173:062 (Config: 682)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=134">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=134</a>
	Tue 2010-01-05 14:43:40 Awaiting Cold Testing	RG	Replaced hybrid #062 with #510 for re-testing purposes.
	Thu 2009-05-21 17:35:58 Awaiting Preamp Integratio	ML	*EDIT* Corrected error in the right-side chip ID
<b>134:168/173:062 (Config: 538)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=134">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=134</a>
	Fri 2009-12-04 13:02:40 Awaiting Repair	RG	Updated Hisogram to new 1.9 xslm version, which accounts for gain slope. Results reveal a new hybrid is needed for re-testing purposes.
	Fri 2009-06-19 13:25:58 Awaiting Cartridge	RG	% Irej. <10dB = LSB:4.47%, USB:2.85%  % Rt >83K = LSB:1.8%, USB:0%
	Wed 2009-06-17 16:42:18 Awaiting Cold Testing	RG	

Status	By	Notes
Thu 2009-05-21 17:35:58 Awaiting Hybrid and Cables	ML	Preamps already installed, ready for testing.
Thu 2009-05-21 17:34:59 Awaiting Preamp Integratio	ML	Replaced right-side chip.
Tue 2009-05-12 11:59:49 Awaiting Repair	RG	Mixer #2 Right has a leakage current of 50uA at 4.2K, no need to attempt testing. See IV curve plot.
Tue 2009-05-12 09:38:08 Awaiting Cold Testing	RG	Mixer #2 Right has a leakage current of 50uA at 4.2K, no need to attempt testing. See IV curve plot.
Mon 2009-05-11 10:39:05 Awaiting Cold Testing	RG	
Tue 2009-05-05 15:53:15 Awaiting Hybrid and Cables	ML	Preamps already installed.
Fri 2009-05-01 17:08:19 Awaiting Preamp Integratio	ML	Installed a new set of W05 chips.
Fri 2009-02-13 11:55:32	ML	Left-side chip is blown.
<b>134:___/___:___ (Config: 276)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=134">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=134</a>
Thu 2009-01-15 11:53:41		
<b>133:143/171:050 (Config: 668) In Cartridge: 011 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=133">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=133</a>
Wed 2009-11-18 11:11:39	ML	*EDIT* Corrected hybrid info.
Wed 2009-11-18 11:08:38 Awaiting Hybrid and Cables	ML	*EDIT* Corrected preamp info and added chip IDs.
<b>133:143/171:050 (Config: 275)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=133">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=133</a>
Thu 2009-01-15 11:37:55	ML	Added link to pic
Mon 2009-01-12 16:12:10		
<b>132:164/174:049 (Config: 274) In Cartridge: 009 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=132">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=132</a>
Wed 2010-06-23 11:15:34 Awaiting Cartridge	ML	Updating status; Already installed in a cartridge.
Wed 2009-11-18 10:50:31 Awaiting Hybrid and Cables	ML	*EDIT* Corrected preamp info.
Thu 2009-01-08 11:20:20		record added my Michael Lacasse
<b>131:157/158:508 (Config: 681) In Cartridge: 022 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=131">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=131</a>
Thu 2010-03-11 15:45:41 Awaiting Cartridge		From: Matt Morgan [mailto: mmorgan2@nrao.edu] (15 kB) Sent: Thursday, March 11, 2010 11:31 AM To: John Effland cc: Tony Kerr (akerr@NRAO.EDU); Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu; rgroves@nrao.e
Thu 2010-03-11 11:04:27 Awaiting Cartridge		From: John Effland (59 kB) Sent: Thursday, March 11, 2010 11:13 AM To: Matt Morgan (mmorgan2@nrao.edu); Tony Kerr (akerr@NRAO.EDU) cc: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu; rgroves@nrao.edu; Mich
Tue 2010-02-23 17:18:27 Awaiting Cartridge	RG	Matt Morgan has reviewed and approved this as acceptable.
Tue 2010-02-23 13:31:11 Awaiting Cartridge	RG	This is installed in Cartridge B6-022. It was reveiwed by M. Shannon and was found to be not acceptable due to a spike in NTVsIF at 10.3 GHz.

Status	By	Notes
Tue 2010-01-05 10:07:34 Awaiting Cartridge	RG	% Irej. < 10dB = LSB: 0.16%, USB: 1.31% % Rt >83K = LSB: 0.0%, USB: 0.0% Measured across the IF from 5-10GHz. Histogram Version 1.9
Thu 2009-12-17 11:23:10 Awaiting Cold Testing <b>131:157/158:076 (Config: 273)</b>	RG	Re-test with replaced hybrid #508 <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=131">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=131</a>
Sat 2009-12-05 09:27:04 Awaiting Repair	RG	Updated Hisogram to new 1.9 xslm version, which accounts for gain slope. Histogram reveals there could be an oscillation in a preamp caused by lid not lapped flat. Reject and retest.
Fri 2009-07-10 11:10:24 Awaiting Cartridge	RG	% Irej <10dB = LSB:3.46%, USB:0%  % Rt >83K = LSB:1.6%, USB:2%
Wed 2009-07-08 16:08:55 Awaiting Cold Testing	RG	
Wed 2009-07-01 16:11:59 Awaiting Hybrid and Cables	ML	Swapped to hybrid 076 which has marginal but acceptable performance, well above the average performance of the new lot. I will leave the cable/polarization selection to Ralph's discretion
Tue 2009-02-10 09:27:28 Awaiting Repair	RG	The Image rejection on the LSB exceeds the 10% allowable ALMA spec of %of data points <10dB at 11.18%.
Fri 2009-02-06 13:27:20 Awaiting Cold Testing	RG	
Thu 2009-01-29 15:45:52 Awaiting Cold Testing	RG	Retest for high receiver noise temperatures.
Fri 2009-01-09 16:16:55 Awaiting Repair	RG	Test again
Fri 2009-01-09 16:16:35	RG	Test
Thu 2009-01-08 11:19:12		Record added my Michael Lacasse.
<b>130:159/160:531 (Config: 772) In Cartridge: 030 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=130">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=130</a>
Wed 2010-06-09 08:42:51 Installed in Cartridge	DS	Installed in Cart6.030 set mixer bias points to 8.5/50
<b>130:159/160:531 (Config: 760) In Cartridge: 030 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=130">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=130</a>
Fri 2010-05-28 10:53:45 Awaiting Cartridge	RG	Measured across an IF of 5-10GHz Histogram Version: 2.2 Measured with Preamps Id set to 4.0mA
Fri 2010-05-28 09:28:24 Awaiting Cold Testing	JE	This mixer's noise temps all look okay, according to the false color plots (jpeg files) here:  \\Cvfiler.cv.nrao.edu\cv-cdl-sis\MxrTstSys\Data\Blk130\Blk130Test3
Thu 2010-05-27 13:47:50 Awaiting Cold Testing <b>130:159/160:___ (Config: 757)</b>	RG	Changed Hybrid 046 with 531. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=130">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=130</a>
Fri 2010-05-21 11:09:32 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Thu 2010-05-20 11:32:46 Awaiting Preamp Integratio <b>130:159/160:046 (Config: 272) In Cartridge: 013 Pol: 1</b>	ML	Replaced right-side mixer chip. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=130">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=130</a>

Status	By	Notes
Thu 2010-05-20 11:32:34 Awaiting Repair		
Wed 2009-11-18 11:38:23 Awaiting Cartridge	RG	
Wed 2009-11-18 11:36:28 Awaiting Hybrid and Cables	ML *EDIT Corrected preamp info.	
Wed 2009-11-18 11:35:38 Awaiting Preamp Integratio	ML *EDIT* Added chip IDs.	
<b>129:138/163:035 (Config: 271) In Cartridge: 005 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=129">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=129</a>
Tue 2008-12-23 10:09:08		Fake entry for testing
<b>128:___/___:512 (Config: 687) In Cartridge: 021 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=128">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=128</a>
Tue 2010-02-23 13:24:50 Awaiting Cartridge	RG This is installed in Cartridge B6-021. It was received by M. Shannon and was found acceptable	
Mon 2010-02-22 12:30:01 Awaiting Cartridge	RG From: John Effland (66 kB) Sent: Monday, February 22, 2010 12:29 PM To: 'Dave Schmitt' cc: Michael Shannon; 'Michael Reynolds' Subj: RE: Mixer Specs for 128 and 153	
	Dave,	
	To summarize, both are good.	
	Mixer-Preamp 128 false color maps look	
Thu 2010-01-14 15:20:46 Awaiting Cartridge	RG % Irej. <10dB = LSB: 0.0%, USB: 0.0% % Rt. >83K = LSB: 0.0%, USB: 0.0% Measured across an IF of 5-10GHz Histogram version: 1.9	
Mon 2010-01-11 15:47:57 Awaiting Cold Testing	RG Replaced hybrid #043 with #512 for re-testing purposes.	
<b>128:___/___:043 (Config: 557)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=128">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=128</a>
Sat 2009-12-05 09:55:39 Awaiting Repair	RG Updated Hisogram to new 1.9 xlsm version, which accounts for gain slope. Hisogram reveals a new hybrid is needed for Irej. and gain slope.	
Wed 2009-04-29 15:07:04 Awaiting Cartridge	RG % Irej. <10dB = LSB:.2%, USB:.41%  % Rt >83K = LSB:1.8%, USB:3.9%	
Tue 2009-04-28 09:28:11 Awaiting Cold Testing	RG	
Fri 2009-04-17 16:40:59 Awaiting Hybrid and Cables	ML Already integrated with preamps, ready for testing.	
Fri 2009-04-17 16:13:36 Awaiting Preamp Integratio	ML Installed new W12 right chip.	
Fri 2009-04-17 16:12:57 Awaiting Repair	ML Right chip blown while sitting in the desiccator. Suspect ESD damage. Replace, right chip.	
<b>128:___/___:043 (Config: 270)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=128">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=128</a>

Status	By	Notes
Thu 2009-01-29 15:11:31 Awaiting Cartridge	RG %Rt > 83K = LSB:1.6%, USB:2.8% %lrej. < 10dB = LSB:0%, USB:1.8%	
Mon 2008-12-15 08:57:10 <b>128:___/___:___ (Config: 269)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?pid=128">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?pid=128</a>
Fri 2009-01-23 09:35:10	Fake entry :dpm	
Tue 2008-12-23 10:13:42		
Tue 2008-12-23 10:08:00	FJ Fake entry for testing	
Mon 2008-12-22 15:10:13	FJ testing	
Mon 2008-12-22 15:10:01	FJ	
Mon 2008-12-22 14:54:33	FJ	
Mon 2008-12-22 14:21:42	FJ	
Mon 2008-12-22 14:21:25	FJ Fake entry for testing	
Fri 2008-12-12 14:35:04	FJ Fake entry again	
Fri 2008-12-12 11:07:18	FJ Fake entry	
Fri 2008-12-12 11:04:18	Fake entry for software testing	
Wed 2008-12-10 16:05:47	FJ one more	
<b>127:141/175:521 (Config: 728) In Cartridge: 014 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?pid=127">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?pid=127</a>
Mon 2010-03-08 10:44:43 Awaiting Cartridge	RG Measured across an IF of 5-10GHz Histogram version: 2.0	
<b>127:141/175:521 (Config: 670) In Cartridge: 012 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?pid=127">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?pid=127</a>
Mon 2010-03-08 10:35:23 Awaiting Cold Testing	MS reviewed and approved	
Mon 2010-03-08 10:18:08 Awaiting Cold Testing	Waiting for acceptance review	
Thu 2010-03-04 15:40:12 Awaiting Cold Testing	Replaced Hybrid #042 with #521 for improved image rejection results.	
Tue 2010-02-23 13:28:45 Awaiting Cartridge	RG This is installed in Cartridge B6-012. It was reviewed by M. Shannon and was found acceptable	
<b>127:___/___:042 (Config: 268)</b>	ML *EDIT* Correced preamp info.	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?pid=127">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?pid=127</a>
Thu 2009-01-29 13:56:41 Awaiting Cartridge	RG %Rt > 83K = LSB:1.4%, USB:1.2% %lrej. < 10dB = LSB:.81%, USB:0%	
<b>126:177/242:538 (Config: 576)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?pid=126">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?pid=126</a>
Thu 2010-07-08 16:48:25 Awaiting Diagnostics	ML Awaiting a detailed post-failure inspection of all devices and components. If no discrepancies are discovered, replace both the chips with ones from W11.	
Wed 2010-03-31 10:40:30 Awaiting Repair	RG	
Mon 2009-11-16 16:56:52 Awaiting Hybrid and Cables	ML added preamp info.	



Status	By	Notes
Fri 2009-09-04 08:44:03 Awaiting Repair	RG	% Irej. <10dB = LSB: 0.0%, USB: 2.64% % Rt >83K = LSB: 4.9%, USB: 8.9% Rt is to marginal for use in a cartridge.
<b>126:___/___:087 (Config: 575)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=126">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=126</a>
Wed 2009-09-02 14:34:29 Awaiting Cold Testing	RG	
<b>126:___/___:___ (Config: 571)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=126">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=126</a>
Wed 2009-08-19 17:23:59 Awaiting Hybrid and Cables	ML	Already integrated with preamps, ready for testing.
Tue 2009-08-18 11:33:42 Awaiting Preamp Integratio	ML	Discovered left-side chip was cracked. Replaced with another W05C12L65 chip.
Tue 2009-08-18 11:33:06 Awaiting Repair	ML	Left side chip lost two junctions. Replace chip.
<b>126:___/___:045 (Config: 533)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=126">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=126</a>
Fri 2009-01-30 14:55:48 Awaiting Cartridge	RG	
Wed 2009-01-28 14:40:56 Awaiting Cold Testing	RG	
Mon 2009-01-26 15:26:11 Awaiting Cold Testing	ML	Repaired loose capacitor and integrated with new set of >123 preamps.
Fri 2009-01-23 16:23:44 Awaiting Repair	ML	Left-side 90mil capacitor popped loose while bonding. Repairing.
<b>126:___/___:041 (Config: 266)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=126">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=126</a>
Wed 2008-12-10 10:26:12		
<b>126:___/___:041 (Config: 265)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=126">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=126</a>
Wed 2008-12-10 10:20:52		
<b>126:___/___:___ (Config: 264)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=126">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=126</a>
Wed 2008-12-10 10:50:58		
Tue 2008-12-09 16:55:31		Fake entry for testing
<b>125:288/304:532 (Config: 740) In Cartridge: 017 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=125">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=125</a>
Wed 2010-04-21 14:27:16 Awaiting Cartridge	RG	Approved for use in Monday meeting On 4/19 by JEE. Hisogram version 2.1
Wed 2010-04-14 21:51:51 Awaiting Cold Testing	RG	I ran the optimum bias routine and the warm IF plate measurements. All that remains is Receiver noise temperature tests, Histograms, IV curves, and Oscillation Tests if this device appears to be a keeper.
Wed 2010-04-14 15:03:03 Awaiting Cold Testing	RG	New preamps and hybrid installed...Retest
<b>125:288/304:055 (Config: 708)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=125">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=125</a>
Wed 2010-02-03 17:06:05 Awaiting Hybrid and Cables	ML	Replaced preamps with newer pair, ready for testing.
<b>125:___/___:040 (Config: 263)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=125">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=125</a>
Wed 2009-11-18 10:46:33 Awaiting Hybrid and Cables	ML	*EDIT* Corrected preamp info.
<b>124:172/176:016 (Config: 258) In Cartridge: 016 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=124">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=124</a>
Tue 2010-02-23 17:16:01 Awaiting Cartridge	RG	Matt Morgan has reviewed and approved this as acceptable.

Status	By	Notes
Tue 2010-02-23 17:16:01 Awaiting Cartridge	RG	Matt Morgan has reviewed and approved this as acceptable.
Tue 2010-02-23 13:35:21 Awaiting Cartridge	RG	This is installed in Cartridge B6-016. It was reviewed by M. Shannon and was found to be not acceptable due to failing Image Rejection. Recommend new Hybrid.
Tue 2010-02-23 13:35:21 Awaiting Cartridge	RG	This is installed in Cartridge B6-016. It was reviewed by M. Shannon and was found to be not acceptable due to failing Image Rejection. Recommend new Hybrid.
Wed 2009-02-04 13:52:42 Awaiting Cartridge	RG	% Rt > 83K = LSB:3.3%, USB:1.4% % Irej. < 10dB = LSB:4.07%, USB:4.67%
Wed 2009-02-04 13:52:42 Awaiting Cartridge	RG	% Rt > 83K = LSB:3.3%, USB:1.4% % Irej. < 10dB = LSB:4.07%, USB:4.67%
Fri 2009-01-30 14:14:59 Awaiting Cold Testing	RG	
Fri 2009-01-30 14:14:59 Awaiting Cold Testing	RG	
Thu 2009-01-22 16:07:24 Awaiting Cold Testing	ML	Replaced bad gain slope preamps with a newer pair > SN:123.
Thu 2009-01-22 16:07:24 Awaiting Cold Testing	ML	Replaced bad gain slope preamps with a newer pair > SN:123.
<b>123:___/___:035 (Config: 255)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=123">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=123</a>
Thu 2010-07-08 15:45:16 Awaiting Diagnostics	ML	Red tagged due to chronic RNT problems.
<b>122:034/036:001 (Config: 665) In Cartridge: 006 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=122">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=122</a>
Tue 2009-11-17 15:45:29 Awaiting Cartridge	ML	
Tue 2009-11-17 15:45:28	ML	*EDIT* Corrected hybrid info.
<b>121:289/293:502 (Config: 634) In Cartridge: 017 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=121">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=121</a>
Fri 2010-07-09 08:58:13 Awaiting Retest	ML	Retest in MTS using lowered Id bias values.
Wed 2010-06-23 11:42:21 Awaiting Repair	ML	Removed from cartridge after oscillation and high RT was discovered.
Fri 2010-02-26 14:58:26 Awaiting Cartridge	RG	Changed status to Awaiting Cartridge.
Fri 2010-02-26 14:57:32 Awaiting Cold Testing	RG	Updated Warm IF data for histogram
Fri 2010-02-26 14:48:26 Awaiting Cold Testing		Measured across an IF of 5-10GHz Histogram Version 2.0 Warm IF measured too.
Fri 2010-02-26 14:34:25 Awaiting Cold Testing	MS	Approved.
Fri 2010-02-26 13:13:45 Awaiting Cold Testing		Waiting for approval
Wed 2010-02-24 16:24:04 Awaiting Cold Testing	RG	Mixer Block 121 was removed from Cartridge #012 with a broken LED connector.
Wed 2009-10-07 15:50:22 Awaiting Cartridge	RG	Results from 4.3-10GHz IF % Irej. <10dB = LSB: .24% USB: 1.09%, <7dB=0% % Rt. >83K = LSB: 4.6% USB: 6.4% LO 225GHz 5GHz IF Rt. = LSB: 68.1K USB: 68.8K
<b>121:289/293:502 (Config: 633)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=121">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=121</a>

	Status	By	Notes
Wed 2009-10-07 15:49:05 <b>121:289/293:___ (Config: 631)</b>	Awaiting Cold Testing	RG	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=121">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=121</a>
Tue 2009-10-06 15:54:35	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Tue 2009-10-06 15:52:47	Awaiting Preamp Integration	ML	Converted the interstage tuning network to the modified IN1 network after installing a new set of W05C12L56 chips.
Tue 2009-10-06 15:52:25 <b>121:___/___:035 (Config: 249)</b>	Awaiting Repair	ML	Replace chips. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=121">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=121</a>
Tue 2009-02-10 14:37:12	Awaiting Repair	RG	At LO Frequencies 249-265GHZ the Rt on the USB exceeds the allowable ALMA spec of 10% of the data point can be >83K. (Actual is 12%)
Tue 2009-02-10 14:36:11 <b>120:178/179:030 (Config: 737)</b>	Awaiting Cold Testing	ML	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=120">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=120</a>
Fri 2010-07-09 09:00:09	Awaiting Diagnostics	ML	Red tagged due to chronic oscillation problems.
Fri 2010-07-09 08:59:03	Awaiting Repair		Red tagged due to chronic oscillation problems.
Wed 2010-06-23 11:38:20	Awaiting Repair	ML	This is an oscillator with absorber installed in the lids. Awaiting further decision on how to proceed.
Thu 2010-04-08 15:28:27	Awaiting Repair	RG	This device has absorber in the preamp lids and it still oscillates with the Id of the first two stages set at 4.0mA. It also oscillates when the Id for both bias supplies of the first two stages are set at 3.8mA.
Wed 2010-04-07 17:24:46	Awaiting Cold Testing	RG	Removed from a cartridge for oscillations. These preamps now have full absorber installed in preamp lids, Ready for retest.
Wed 2010-04-07 13:53:51 <b>120:178/179:030 (Config: 247)</b>	Awaiting Hybrid and Cables	ML	Full absorber installed in preamp lids, Ready for retest. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=120">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=120</a>
Wed 2010-03-31 10:35:18		RG	Awaiting Repair
Mon 2009-11-16 17:03:06 <b>119:029/030:033 (Config: 244) In Cartridge: 015 Pol: 0</b>	Awaiting Hybrid and Cables	ML	Added preamp info <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=119">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=119</a>
Wed 2009-11-18 12:10:19	Awaiting Cartridge	RG	
Wed 2009-11-18 12:09:40 <b>118:087/070:023 (Config: 242) In Cartridge: 010 Pol: 0</b>	Awaiting Hybrid and Cables	ML	*EDIT* Updated preamp info. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=118">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=118</a>
Wed 2010-06-23 11:18:55	Awaiting Cartridge	ML	Updating status; Already installed in a cartridge.
Wed 2009-11-18 10:56:06 <b>116:088/086:026 (Config: 234) In Cartridge: 010 Pol: 1</b>	Awaiting Hybrid and Cables	ML	*EDIT* Corrected preamp info. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=116">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=116</a>
Wed 2010-06-23 11:18:09	Awaiting Cartridge	ML	Updating status; Already installed in a cartridge.
Wed 2009-11-18 10:53:38 <b>115:262/263:529 (Config: 742) In Cartridge: 028 Pol: 1</b>	Awaiting Hybrid and Cables	ML	*EDIT* Corrected preamp info. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=115">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=115</a>

Status	By	Notes
Thu 2010-05-06 16:51:44 Awaiting Cartridge	JE	I think this mixer is okay, because the oscillation is small for Id = 3.8 mA, especially since I just proposed running everything at 3 mA.  I am a little concerned about the warm IF data, which seems to be several weeks old and could affect the results
Wed 2010-05-05 16:50:07 Awaiting Cartridge	RG	Waiting for Acceptance Measured across an IF from 5-10GHz Histogram Version: 2.1 Preamps Id=3.8mA 1st and 2nd stages Oscillation data in misc file
Mon 2010-05-03 11:22:42 Awaiting Cold Testing <b>115:262/263:101 (Config: 704)</b>	RG	Replaced hybrid #101 with #529 <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=115">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=115</a>
Mon 2010-02-01 11:42:20 Awaiting Hybrid and Cables <b>115:___/___:101 (Config: 585)</b>	ML	Swapped mistuned preamps for a properly tuned pair. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=115">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=115</a>
Mon 2009-12-07 16:49:08 Awaiting Cartridge	RG	The new histogram reveals a bad gain slope which was experimented with on this device, and needs to be tuned back to the original bond wire length on the first stage.
Sat 2009-12-05 08:30:08 Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xlsm version, which accounts for gain slope.
Fri 2009-10-02 16:54:38 Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0%, USB: 1.4%  % Rt. >83K = LSB: 3.9%, USB:2.2%  Lengthened Bond wires...
Tue 2009-09-22 17:03:50 Awaiting Hybrid and Cables	ML	
Mon 2009-09-14 10:31:23 Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0%, USB: 0%  % Rt. >83K = LSB: 1.2%, USB:1.2% <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=115">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=115</a>
<b>115:___/___:101 (Config: 578)</b>		
Fri 2009-09-11 16:40:30 Awaiting Cold Testing	ML	
Fri 2009-09-11 16:37:18 Awaiting Preamp Integratio	ML	Updating to add back lost info.
Tue 2009-09-08 11:09:10 Awaiting Cold Testing	RG	
<b>115:___/___:___ (Config: 577)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=115">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=115</a>
Tue 2009-09-08 10:24:11 Awaiting Hybrid and Cables	ML	Installed a new set of preamps > SN:123 <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=115">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=115</a>
<b>115:___/___:038 (Config: 227)</b>		
Tue 2009-09-08 10:22:20 Awaiting Repair	RG	Failed gain slope specifications. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=114">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=114</a>
<b>114:038/045:513 (Config: 219)</b>		

	Status	By	Notes
Mon 2010-02-08 09:57:08	Outside Sale/Loan	RG	Being returned to UofA 2/8/2010
Fri 2010-01-15 16:51:23	Outside Sale/Loan	JEE	Most recent data shows no degradation. Pumped IF comparison data stored in misc file
Fri 2010-01-15 08:48:41	Outside Sale/Loan	RG	% Irej. <10dB = LSB: 0.16%, USB: 0.82% % Rt. >83K = LSB: 0.5%, USB: 3.6% Measured across an IF of 5-10GHz Histogram Version: 1.9
Wed 2010-01-13 15:46:48	Awaiting Cold Testing	RG	Return form UAz without hybrid, cables, and magnet coil, but re-testing and checking for High Rt at the upper LO freq's. This is our first entry into the data base for this mixer/preamp.
Wed 2010-01-13 15:44:43	Awaiting Hybrid and Cables	ML	On loan to UAz
Wed 2010-01-13 15:32:01	Outside Sale/Loan	ML	On Loan to UAZ
<b>113:170/214:044 (Config: 493) In Cartridge: 008 Pol: 1</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=113">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=113</a>
Thu 2010-07-01 15:25:17			
Fri 2009-02-13 11:01:28	Awaiting Cartridge	RG	% Rt >83K = LSB:1.4%, USB:1.6% % Irej. <10dB = LSB:1.02%, USB:2.44%
Fri 2009-02-13 11:00:31	Awaiting Cartridge	RG	
Tue 2009-02-10 11:25:01	Awaiting Cold Testing	RG	
Thu 2009-01-22 16:05:05	Awaiting Cold Testing	ML	Replaced bad gain slope preamps with a newer pair > SN:123.
<b>112:146/210:539 (Config: 775)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=112">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=112</a>
Fri 2010-07-09 08:41:51	Awaiting Cartridge	RG	Measured across an IF from 5-10GHz. Histogram Version: 2.3.2
Wed 2010-07-07 14:02:23	Awaiting Cold Testing	RG	Test #9
Tue 2010-06-15 12:35:34	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for test.
Mon 2010-06-14 16:32:53	Awaiting Preamp Integratio	ML	Replaced right-side chip.
<b>112:___/___:526 (Config: 754)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=112">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=112</a>
Wed 2010-05-26 10:43:53	Awaiting Repair	JE	Awaiting inspection by Neil to look for cracked chips.
Tue 2010-05-25 09:38:41	Awaiting Repair	RG	Mixer #2 (Right) is starved for LO power. Since the mixer chips were replaced on 5/20 (5 days ago), this mixer chip needs to be evaluated carefully under the microscope looking for a cracked mixer chip. The IV curves reveal the pump power problems with mi
Mon 2010-05-24 16:10:47	Awaiting Cold Testing	RG	Test #8
Fri 2010-05-21 11:08:30	Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
Thu 2010-05-20 11:02:29	Awaiting Preamp Integratio	ML	Replaced both mixer chips.
<b>112:___/___:525 (Config: 717)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=112">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=112</a>
Tue 2010-05-18 16:29:50	Awaiting Repair	ML	Replace both chips
Wed 2010-03-31 10:36:44	Awaiting Repair	RG	

	Status	By	Notes
	Thu 2010-03-25 10:55:48 Awaiting Repair	RG	Both mixers exhibit 25uA of leakage current. The optimum bias was ran at LO 221 & 225GHz, and the receiver noise temperatures were riding the ALMA spec line. Also, the IV curves were plotted. As for oscillation it took a Id of 7.5mA on Id1 and Id2 of both
	Wed 2010-03-24 18:19:02 Awaiting Cold Testing	RG	New mixer chips installed and new hybrid. Re-test
	Thu 2010-02-18 15:49:20 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
	Wed 2010-02-17 15:58:25 Awaiting Preamp Integratio	ML	Replaced both mixer chips.
<b>112:___/___:___ (Config: 658)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=112">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=112</a>
	Tue 2009-11-17 10:10:47 Awaiting Repair	ML	Removed preamps, red tagged and stored in Vidmar.
<b>111:337/339:538 (Config: 787) In Cartridge: 034 Pol: 0</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=111">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=111</a>
	Sat 2010-07-03 09:35:36 Awaiting Retest	JE	The problem with Mixer 111 is that, while it meets specs, there's a suck-out in gain at the upper end of the band. Although this is outside the spec bandwidth, it indicates a problem with a connection (or a bond) that usually changes with time and often e
	Wed 2010-06-30 12:05:05 Awaiting Cold Testing	RG	Test #4
	Tue 2010-06-29 14:33:33 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
	Mon 2010-06-28 12:01:47 Awaiting Preamp Integratio	ML	Installed new set of W11 chips.
<b>111:___/___:___ (Config: 660)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=111">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=111</a>
	Tue 2009-11-17 10:11:59 Awaiting Repair	ML	Removed preamps, red tagged and stored in Vidmar.
<b>108:226/280:___ (Config: 739)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=108">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=108</a>
	Thu 2010-04-08 13:02:28 Awaiting Cold Testing	ML	Full absorber installed in preamp lids, ready for retest.
<b>108:226/280:503 (Config: 643) In Cartridge: 019 Pol: 0</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=108">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=108</a>
	Wed 2010-03-31 10:38:20 Awaiting Repair	RG	
	Tue 2010-02-23 13:42:16 Awaiting Cartridge	RG	This is installed in Cartridge B6-019. It was received by M. Shannon and was found to be not acceptable due to a large spike in Mixer Gain and spikes in NT.
	Wed 2009-12-02 13:10:12 Awaiting Cartridge	RG	Updated Hisogram to new 1.9 xlsm version, which accounts for gain slope.
	Wed 2009-10-28 08:37:02 Awaiting Cartridge	RG	Results are from 5-10GHz IF  % Irej. <10dB = LSB: 0%, USB: 0.49% % Rt > 83K = LSB: 0%, USB: 4.2%
	Tue 2009-10-27 09:28:53 Awaiting Cold Testing	RG	
	Thu 2009-10-15 12:04:08 Awaiting Hybrid and Cables	ML	Integrated with preamps, ready for testing.
	Thu 2009-10-15 12:03:23 Awaiting Preamp Integratio	ML	Converted to IN1 tuning network.
<b>108:___/___:017 (Config: 184)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=108">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=108</a>
	Tue 2009-11-10 16:23:37		
<b>106:292/302:516 (Config: 707)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106</a>

Status	By	Notes
Thu 2010-07-08 16:49:47 Awaiting Diagnostics	ML	Awaiting a detailed post-failure inspection of all devices and components. If no discrepancies are discovered, replace the preamps and retest.
Tue 2010-04-27 14:02:57 Awaiting Repair	JE Ralph,	<p>Although gain slope falls 0.4 dB outside of specs, which in itself is probably okay, image rejection touches the 7 dB min line at a large number of points, and actually falls to 6.5 dB at 219.4 GHz.</p> <p>I don't think we can use this mixer.</p>
Tue 2010-04-27 13:46:00 Awaiting Cold Testing	RG	Awaiting Approval of histogram. There is a gain slope discrepancy. Measured across an IF from 5-10GHz. Histogram version 2.1
Sat 2010-04-24 13:25:30 Awaiting Cold Testing		Updated hybrid from 055 to 516
Sat 2010-04-24 13:23:50 Awaiting Cold Testing	RG	Testing after new preamps installed for gain slope failure.
Wed 2010-02-03 16:16:28 Awaiting Hybrid and Cables	ML	Replaced preamps with newer pair.
<b>106:___/___:516 (Config: 703)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106</a>
Tue 2010-02-02 09:04:01 Awaiting Repair	RG	This unit fails the gain slope spec's. However Rt., and Irej. yielded good results. % Irej. <10dB = LSB: 0.65%, USB: 1.14% % Rt. >83K = LSB: 1.1%, USB: 2.8% Measured across an IF of 5-10GHz Histogram Version: 2.0
Fri 2010-01-29 16:39:48 Awaiting Cold Testing	RG	Removed from cartridge 007, installed new hybrid and phase match cables for re-testing.
<b>106:___/___:028 (Config: 167) In Cartridge: 007 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106</a>
Wed 2009-11-18 10:49:08 Awaiting Hybrid and Cables	ML	*EDIT* Corrected preamp info.
<b>106:___/___:013 (Config: 155)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106</a>
Fri 2010-07-09 11:17:30 In Testing	MR	Cold IV curves/Cold oscillation test completed. Coarse NT Test started
Thu 2010-07-08 10:16:01 In Testing	MR	Cool down started
<b>106:___/___:013 (Config: 154)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106</a>
Thu 2010-07-08 10:14:12 Awaiting Repair	MR	Cartridge removed from CTS_1. Needs repair failed beam patterns at 271GHz
<b>106:___/___:013 (Config: 153)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106</a>
Wed 2010-07-07 16:21:43 Delivered	MR	Cartridge delivered to NA-FEIC with Warm IF Amp S/N 6.228
<b>106:___/___:013 (Config: 152)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106</a>
Thu 2010-07-08 10:17:48 Awaiting Testing	JE	Updated warm testing link using the Browse button on the Test Data line.
Thu 2010-07-08 10:05:13 Awaiting Testing	CL	Passed Warm Bench Tests.

Status	By	Notes
Thu 2010-07-08 09:41:37 Awaiting Testing	JE	Mixer 111 was loaded into this cartridge before it could be retested in the MTS. Since there's no one to install another mixer, we'll just start testing since there's an 80% chance that the mixer's okay.
Fri 2010-07-02 16:24:01 Awaiting Testing	NH	Initial Data <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106</a>
<b>106: ___/___:018 (Config: 151)</b>		
Thu 2010-07-08 14:43:14 In Testing	MR	Polarization Alignment test completed. Amplitude Stability test started
Thu 2010-07-08 10:17:03 In Testing	MR	Phase Stability test completed
Wed 2010-07-07 14:20:30 In Testing	MR	Phase Stability test started
Wed 2010-07-07 13:27:50 In Testing	JE	LO WG integrity is okay:  \\Cvfiler\cv-cdl-sis\CartTstData\Cart6.033productionTSTdata\Cart6.033_LOWGIIntegrity.xls
Wed 2010-07-07 13:21:34 In Testing	MR	LOWGIIntegrity test completed please review data here \\Cvfiler\cv-cdl-sis\CartTstData\Cart6.033productionTSTdata Cart6.033_LOWGIIntegrity
Wed 2010-07-07 11:36:08 In Testing	JE	Noise temp data all look okay and false color plots generated in test directory.
Wed 2010-07-07 11:09:30 In Testing	MR	John please look over Noise temperature test here \\Cvfiler\cv-cdl-sis\CartTstData\Cart6.033productionTSTdata
Mon 2010-07-05 17:17:09 In Testing	JE	Beam Efficiencies all meet spec.
Sat 2010-07-03 11:55:15 In Testing	MR	Cold Oscillation/Cold IV curves completed. Beam Patterns started
Fri 2010-07-02 14:40:10 In Testing	MR	Cool down started in CTS_2 <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105</a>
<b>105:235/303:530 (Config: 741) In Cartridge: 028 Pol: 0</b>		
Fri 2010-07-09 11:08:37 Awaiting Diagnostics	ML	Was in cartridge 028 but was swapped when xpol problems were discovered. Awaiting the cartridge results with the new mixer-preamp.
Thu 2010-05-06 17:17:11 Awaiting Cartridge	JE	Other than the obvious offset around 229 LSB at a single LO, the mixer data look good (even with that offset noise is still in spec).
Mon 2010-05-03 16:18:09 Awaiting Cartridge	RG	Histogram Version 2.1 Measured across an IF from 5-10GHz Preamps Id=3.8mA for 1st and 2nd stages
Mon 2010-05-03 08:53:51 Awaiting Cartridge	RG	Casey,  Thanks so much for coming in and finishing the tests. Everything ran great, with all noise temps meeting specs and no evidence of any oscillations:  \\cvfiler\cv-cdl-sis\MxrTstSys\Data\Blk105\Blk105Test8\Blk105Amps235-303_OSC8-NoiseTemp-Id-4.
Fri 2010-04-30 13:40:34 Awaiting Cold Testing	RG	New Hybrid and cables were installed <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105</a>
<b>105:235/303:055 (Config: 706)</b>		
Wed 2010-02-03 16:14:18 Awaiting Hybrid and Cables	ML	Replaced preamps with newer pair.



	Status	By	Notes
<b>105:___/___:024 (Config: 150)</b>	<b>In Cartridge: 008 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105</a>
Wed 2010-07-07 08:37:42	In Testing	MR	Warm Up Started failed beam patterns at 271GHz
Tue 2010-07-06 17:09:00	In Testing	JE	Cartridge measurements are consistant and show optics problems at 271 GHz. Please warm up.
Tue 2010-07-06 14:12:02	In Testing	MR	Cartridge beam efficiency at 271GHz does not appear to pass. I need John to check before we decide to warm up.
Tue 2010-07-06 08:53:47	In Testing	JE	Mike, all beam patterns are available from Deepika's SW here:  <a href="http://www.cv.nrao.edu/php-internal/ntc/Tasks3/patterns/BeamPatterns-plots.php?key=6364">http://www.cv.nrao.edu/php-internal/ntc/Tasks3/patterns/BeamPatterns-plots.php?key=6364</a>  It takes some time for all the graphs to render.
Sun 2010-07-04 10:55:17	In Testing	MR	Fine Space beam patterns started
Sun 2010-07-04 09:58:25	In Testing	MR	Noise temperature test completed
Sat 2010-07-03 09:50:10	In Testing	MR	LO WG Integrity test completed Fine Space NT test started. I will start beam patterns on 2010_07_04
Fri 2010-07-02 14:37:09	In Testing	MR	Cartridge is in testing in CTS_1. Cold oscillation, cold IV curves have been completed. LO WG Integrity test started.
Sat 2009-12-05 10:17:24	Awaiting Repair	RG	Updated Hisogram to new 1.9 xslm version, which accounts for gain slope. Hisogram reveals this device fails gain slope. A new hybrid will be installed for a re-test.
Fri 2009-06-05 16:06:38	Awaiting Cartridge	RG	Removed phase matched cables and hybrid for a test on mixer block 165 and proved hybrids and cables have an effect on Img. rejection. The cables have now been installed back on mixer block 105.
Tue 2009-05-19 10:46:02	Awaiting Cartridge	RG	% Irej. <10dB = LSB:2.03% USB:0.0%  % Rt >83K = LSB:1.4% USB:1.2%
Thu 2009-05-14 10:43:23	Awaiting Cold Testing	RG	Mixer Block 105 has preamps 151 & 219 installed on it.
Thu 2009-05-14 10:43:20	Awaiting Hybrid and Cables	ML	*EDIT* Updated preamp info.
<b>105:___/___:018 (Config: 149)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105</a>
Wed 2010-06-30 08:15:19	Awaiting Testing	NH	Replaced Pol 1 MXR/Preamp assembly
<b>105:___/___:008 (Config: 148)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105</a>
Mon 2010-06-28 09:29:13	Awaiting Testing	NH	Replaced feehorn S/N 317 with the orginal feedhorn S/N 406
<b>105:___/___:018 (Config: 147)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105</a>
Mon 2010-06-28 11:03:37	Awaiting Testing	DS	Updated LOWaveguide Serial number
Mon 2010-06-28 10:58:31	Awaiting Testing	DS	Updated serial numbers
Thu 2010-06-24 15:55:56	Awaiting Testing	NH	updated pol 1 mxr, temp sensor numbers, and 51 pin connector
Thu 2010-06-24 15:43:42	Awaiting Testing	NH	Inital Data

Status	By	Notes
<b>105:___/___:018 (Config: 146)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105</a>
Mon 2010-06-21 14:39:08 Delivered	MR	Delivered to NA-FEIC
<b>105:___/___:019 (Config: 4) In Cartridge: 008 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=105</a>
Tue 2010-06-01 09:54:22 In transit - Shipped	DS	Mike Shannon reports this was delivered to the OSF on 21 May.
Wed 2010-05-12 14:59:36 In transit - Shipped	DS	
Wed 2010-05-12 14:43:25 In transit - Shipped	DS	Shipped 2010-05-11 UPS Freight (Schenker) WEB0003510848 Tracking 789006363WYB
Thu 2009-11-19 11:47:49 Accepted	ML	Dnagaraj: Added this record because database schema changed.
Fri 2009-11-13 15:11:48	DS	First entries into the database for a completed cold cartridge assembly. Review in future production meeting(s).
Fri 2009-11-13 14:02:44 Accepted	RG	Feed Through 016 is made up of waveguide windows 053 and 054.
<b>104:167/241:515 (Config: 696) In Cartridge: 025 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104</a>
Wed 2010-06-23 08:48:18 Awaiting Cartridge		This mixer apparently has cracked chip. B6-025 Mixer chip 1 survived 30 cool-down cycles:  <a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/103696">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/103696</a>  Compare the chip information from \\Cvfiler.cv.nrao.edu\cv-cdl-sis\MxrTstSys\Data\Blk Updated with Correct Files...For some reason the data for mixer #153 was stored here.
Wed 2010-03-17 14:36:54 Awaiting Cartridge	RG	This is installed in Cartridge B6-025. It was received by M. Shannon and was found acceptable
Tue 2010-02-23 13:26:31 Awaiting Cartridge	RG	% Irej. <10dB = LSB: 0.0%, USB: 1.31% % Rt. >83K = LSB: 0.0%, USB: 1.0% Measured across an IF of 5-10GHz Histogram Version: 2.0
Wed 2010-01-27 11:29:31 Awaiting Cartridge	RG	Replaced Hybrid #088 with hybrid #515 to improve Image rejection test results.
Mon 2010-01-25 16:26:49 Awaiting Cold Testing		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104</a>
<b>104:167/241:088 (Config: 145)</b>		
Fri 2010-07-02 14:43:29 Awaiting PAI	MR	Cartridge been removed from CTS_1. Working on PAI.
Wed 2010-06-30 10:49:24 Awaiting PAI	DS	Warming up: passes Amplitude Stability
Tue 2010-06-29 08:21:15 In Testing	DS	Phase Stability complete.
Tue 2010-06-29 08:20:08 In Testing	DS	LOWGintegrity complete.
Sun 2010-06-27 09:09:08 In Testing	DS	Cooling back down after power outages due to storms 2010-06-24.
Thu 2010-06-24 09:08:55 In Testing	DS	Passed noise temperature measurements.
Wed 2010-06-23 11:52:55 In Testing	DS	Passed Beam Efficiency cross pol at the standard measured frequencies; but cross pol comes in at -19.9 dB at 230GHz.
Mon 2010-06-21 08:52:36 In Testing	DS	Cooling Down

	Status	By	Notes
	Fri 2010-06-18 11:26:29	Awaiting Testing	DS Replaced feed horn S/N 405 with S/N 315.
	Sat 2009-08-29 12:04:48	Awaiting Cartridge	RG % Irej. <10dB = LSB: 5.08%, USB: 0.0%
			% Rt. >83K = LSB: 0.6%, USB: 1.4%
	Thu 2009-08-27 10:48:07	Awaiting Cold Testing	RG Hybrid #84 replaced with hybrid #88.
	Thu 2009-08-27 10:43:33	Awaiting Cold Testing	RG % Irej. <10dB = LSB 9.76%, USB: 0%
			Hybrid #84 will be replaced with hybrid #88 for retesting purposes to improve image rejection.
	Tue 2009-08-25 14:56:31	Awaiting Cold Testing	RG
	Wed 2009-08-19 17:22:48	Awaiting Hybrid and Cables	ML Already integrated with preamps, ready for testing.
	Tue 2009-08-18 11:36:17	Awaiting Preamp Integratio	ML Replaced left-side chip with another W11C12L56 chip.
	Wed 2009-07-15 15:53:57	Awaiting Repair	RG Mixer #1 (Left) IV curve is displayed as a short circuit at 4.2K. See IV Curve link.
	Tue 2009-07-14 13:27:42	Awaiting Cold Testing	RG
	Thu 2009-01-22 16:00:57	Awaiting Cold Testing	ML Replaced bad gain slope preamps with a newer pair > SN:123.
<b>104:___/___:031 (Config: 144)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104</a>
	Wed 2010-07-07 17:08:38	Awaiting PAI	JE PAI updated (I had to add the pol accuracy table, which was missing) and PDF signed and returned to test data dir.
	Wed 2010-07-07 15:46:43	Awaiting PAI	MR PAI is ready for reveiw by John Effland at this location. \\Cvfiler\cv-cdl-sis\CartTstData\Cart6.031productionTSTdata\Cart6.031_PAI\FEND-40.02.06.00-0536-A-TDR
	Fri 2010-07-02 14:40:52	Awaiting PAI	MR Cartridge been removed from CTS_1. Working on PAI.
	Wed 2010-06-30 13:32:11	Awaiting PAI	DS Warming Up: completed all tests.
	Sun 2010-06-27 09:08:07	In Testing	DS Cooling back down after power outages from storms on 2010-06-24.
	Wed 2010-06-23 14:07:33	In Testing	JE Checked Beam Effs and find xpol = -19.9 dB at 275 GHz is IN SPEC. Also checked noise temps and fine LO spacing, all nominal. False color plots in test dir.
	Wed 2010-06-23 11:21:59	In Testing	DS Passed LOWGintegrity test.
	Wed 2010-06-23 07:49:27	In Testing	DS Passed Noise Temperature testing.
	Tue 2010-06-22 09:56:26	In Testing	MR Amp bias (Id) for Pol 0 in both LNA 1 and 2 decreased from 4 mA to 3 mA in Stages 1-2 to remove oscilations.
	Mon 2010-06-21 10:53:32	In Testing	DS Beam Efficiency data link inserted.
	Mon 2010-06-21 10:51:45	In Testing	DS Passes coarse noise temperature test.
	Mon 2010-06-21 07:49:27	In Testing	DS Beam efficiency and cross pol meet spec.
	Fri 2010-06-18 16:19:22	In Testing	DS Beam Patterns running.
	Fri 2010-06-18 08:20:41	In Testing	DS Cooling Down
	Wed 2010-06-16 15:19:54	Awaiting Testing	NH Replaced OMT S/N 040
<b>104:___/___:031 (Config: 143)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104</a>

Status	By	Notes
Thu 2010-06-24 14:17:42 Awaiting Repair	JE	DAve Mike S, and I met and think we should replace with original Keating Horn SN 406.
Mon 2010-06-21 08:52:07 Awaiting Repair	DS	Removed from CTS#1
Fri 2010-06-18 07:54:14 Awaiting Repair	DS	Warming Up. Failed cross pol at 271GHz; -14.5 dB
Thu 2010-06-17 11:36:51 In Testing	DS	Beam Pattern measurements running.
Tue 2010-06-15 13:44:04 In Testing	DS	Cooling Down.
Tue 2010-06-15 11:28:48 Awaiting Testing	NH	Replaced OMT S/N 041 with S/N 094
<b>104:___/___:031 (Config: 142)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104</a>
Tue 2010-06-15 09:45:38 Awaiting Repair	DS	Bad cross pol; OMT needs replaced, OMT test data shows bad cross pol at 231GHz and below.
Mon 2010-06-14 13:06:59 Awaiting Repair	DS	Warming up. Fails cross Pol at 231GHz -16.8 dB.
Sun 2010-06-13 11:30:09 Awaiting Cold Testing	DS	Replaced feed horn; cooling down.
<b>104:___/___:001 (Config: 141)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104</a>
Tue 2010-06-15 12:53:44 Awaiting Repair	DS	Removed from CTS#1: needs new OMT.
Tue 2010-06-15 10:49:03 Awaiting Repair	DS	Updated serial numbers.
Tue 2010-06-15 10:42:05 Awaiting Repair	DS	Stopped cool down: OMT data shows bad cross pol both arms.
Tue 2010-06-15 09:46:42 In Testing	DS	Cooling Down
Fri 2010-06-11 13:32:45 Awaiting Cold Testing	DS	Passed warm testing.
<b>104:___/___:011 (Config: 140)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104</a>
Fri 2010-06-11 08:07:09 Awaiting Repair	DS	Warming up. Fails cross Pol at 231GHz -18.1 dB, fails efficiency at 271GHz 77%.
Wed 2010-06-09 13:22:32 In Testing	ML	Updated mixer bias points to 8.5mV and 50uA
<b>104:___/___:___ (Config: 139)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104</a>
Wed 2010-06-09 10:52:05 In Testing	JE	B6.030 shows large gain steps at difference LO's when operated at optimum mixer bias, but normal performance when operated at "nominal" bias of 9mv, 50 uA. The attached plot shows cartridge gain vs junction bias for Pol 0 and for reference, that pol's no
Tue 2010-06-08 11:08:55 In Testing	DS	Updated serial numbers.
Tue 2010-06-08 08:38:27 In Testing	JE	There's something definitely wrong with this cartridge. Although Pol 0 noise temps look a bit ragged, especially the integrated noise plot when compared to Pol 1, the false color plots for this cartridge all look normal.
		However, evidence of a proble
Mon 2010-06-07 14:46:50 In Testing	DS	Passes coarse noise temperature when optimum bias points are used.
Mon 2010-06-07 11:19:00 In Testing	DS	Fails noise temperature measurements on Pol 0 when default mixer bias values are used.
Fri 2010-06-04 17:18:34 In Testing	DS	Updated Mixer S/N's

	Status	By	Notes
	Fri 2010-06-04 12:59:58 In Testing	DS	Cooling down.
	Fri 2010-06-04 12:32:56 In Testing	DS	Initial entry.
<b>104:___/___:001 (Config: 137)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104</a>
	Thu 2010-06-03 12:46:53 Awaiting Repair	DN	test
<b>104:___/___:018 (Config: 136)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104</a>
	Thu 2010-06-03 12:46:25 Awaiting Testing	DN	test
	Thu 2010-06-03 12:44:56 Awaiting Testing	DN	test
<b>104:___/___:018 (Config: 135)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=104</a>
	Thu 2010-06-03 12:36:40 Awaiting Testing	DN	
<b>103:037/057:010 (Config: 134) In Cartridge: 001 Pol: 0</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=103">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=103</a>
	Thu 2010-06-03 12:36:12 Awaiting Testing	DN	
	Thu 2010-06-03 12:35:54 Awaiting Testing	DN	test
<b>103:___/___:010 (Config: 133)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=103">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=103</a>
	Thu 2010-06-03 11:22:32 Awaiting Testing	DN	
<b>103:___/___:011 (Config: 132)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=103">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=103</a>
	Thu 2010-06-03 11:00:24 Awaiting Testing	DN	
	Thu 2010-06-03 10:55:00 Awaiting Testing	DN	fake entry for testing
<b>101:237/260:019 (Config: 119) In Cartridge: 018 Pol: 0</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=101">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=101</a>
	Thu 2009-05-28 16:19:49 Awaiting Cartridge	RG	% Irej <10dB = LSB:0%, USB:0% %Rt >83K = LSB:1.8%, USB:0%
			Gain Slope rides the spec line for the MTS. See Misc. Files
	Thu 2009-05-28 16:19:49 Awaiting Cartridge	RG	% Irej <10dB = LSB:0%, USB:0% %Rt >83K = LSB:1.8%, USB:0%
			Gain Slope rides the spec line for the MTS. See Misc. Files
	Tue 2009-05-26 10:00:36 Awaiting Cold Testing	RG	
	Tue 2009-05-26 10:00:36 Awaiting Cold Testing	RG	
	Thu 2009-05-21 17:31:03 Awaiting Cold Testing	ML	Installed a new set of preamps to correct gain slope issues.
	Thu 2009-05-21 17:31:03 Awaiting Cold Testing	ML	Installed a new set of preamps to correct gain slope issues.
<b>101:___/___:___ (Config: 118)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=101">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=101</a>
	Wed 2010-06-23 16:16:13 Awaiting PAI	MS	Placed on JIRA with a close out date of 7/8/2010. Destined to EAFEIC
	Wed 2010-06-23 16:06:12 Awaiting PAI	DS	Final Inspection Checklist and Shipping Inspection checklists have been uploaded to EDM.

Status	By	Notes
Wed 2010-06-23 15:59:34 Awaiting PAI	RG	Added ESN # for POL zero and POL one, and posted CIDL onto ALMA-EDM
Tue 2010-06-22 14:13:45 Awaiting PAI	MS	Going to EAFEIC
Tue 2010-06-22 09:09:16 Awaiting PAI	JE	Signed pdf and MS Word version of PAI Test Data docs ready for upload to EDM here:  \\cvfiler\cv-cdl-sis\CartTstData\Cart6.029productionTSTdata\Cart6.029_PAI\
Mon 2010-06-21 15:06:21 Awaiting PAI	MR	PAI report is ready for review by John Effland in the following location \\Cvfiler\cv-cdl-sis\CartTstData\Cart6.029productionTSTdata\Cart6.029_PAI FEND-40.02.06.00-0528-A-TDR
Fri 2010-06-18 08:20:12 Awaiting PAI	DS	Removed from CTS#2.
Thu 2010-06-17 14:32:03 Awaiting PAI	DS	Updated Warm IF plate S/N.
Thu 2010-06-17 11:16:47 Awaiting PAI	DS	Warming Up
Thu 2010-06-17 08:34:20 Awaiting PAI	JE	I checked NT, total power (which is now consistent with power measured by NT, and beam effs - everything's ok. I removed the BeamEffjee file - it was empty.
Wed 2010-06-16 10:49:20 In Testing	DS	Amplitude stability now passes at 3.0mA
Sun 2010-06-13 11:52:39 In Testing	DS	Amplitude stability fails at drain currents of: 3.0, 3.5 and 3.8 mA. Rerunning at 4.0 mA.
Tue 2010-06-08 11:28:52 In Testing	DS	Updated feed horn serial number.
Tue 2010-06-08 10:52:42 In Testing	DS	Updated LO waveguide assembly serial numbers.
Mon 2010-06-07 08:23:05 In Testing	DS	Annotated LOWG Integrity file.
Sat 2010-06-05 21:35:33 In Testing	JE	LO WG Integ okay (data file needs annotation)
Fri 2010-06-04 12:59:19 In Testing	DS	Passed noise temperature and beam pattern testing.
Wed 2010-05-26 11:52:25 In Testing	DS	Cooling down.
Tue 2010-05-25 16:16:07 Awaiting Cold Testing	DS	Warm Test good; awaiting cold testing.
Tue 2010-05-25 16:10:44	DS	Initial
<b>101:___/___:018 (Config: 117)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=101">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=101</a>
Tue 2010-06-22 10:08:20 Awaiting Repair	DS	Mixer 105 Pol 1 needs replaced for possible VSWR problems.
Tue 2010-06-22 08:52:15 Awaiting Repair	JE	I get 13 inches for the MTS discontinuity assuming the wave is propagating in free space, so we're both in general agreement. I just took some rough measurements of the MTS Dewar and indeed the window is spaced about that distance from the horn, which co
Wed 2010-06-16 14:10:14 Awaiting Repair	DS	Awaiting analysis by Effland to determine VSWR problem in LO or IF.
Tue 2010-06-08 10:49:24 Awaiting Repair	DS	Update OMWG and LO waveguide assembly serial numbers.
Wed 2010-06-02 08:44:21 Awaiting Repair	DS	Removed from CTS#1, awaiting repair; VSWR problem Pol 1 USB/LSB.
Tue 2010-06-01 09:01:42 Awaiting Repair	DS	Warming Up. VSWR problem still evident.
Sat 2010-05-29 08:50:12 In Testing	MR	Cartridge passed cool down, Fine Space NT test started.

Status	By	Notes
Fri 2010-05-28 13:31:43 In Testing	NH	The initial cold test they appeared to be a VSWR related problem in the LO pump. Upon disassembly the capton tape had not been removed from the input (WR10) side of the tripler. Removed tape, reassembled, and cartridge 28 is cooling again.
Tue 2010-05-25 16:08:32 In Testing	DS	Updated Status
Tue 2010-05-25 16:01:44	DS	Cooling Down
<b>101:___/___:018 (Config: 116)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=101">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=101</a>
Wed 2010-06-02 08:35:03 Awaiting PAI	JE	Skip and Saini want to wait until we deliver more cartridges before filing a RFW for X-pol.
Wed 2010-05-26 11:54:06 Awaiting PAI	DS	RFW for Cross pol neds filed.
Tue 2010-05-25 13:10:09 Awaiting Repair	MR	Removed from CTS_1
Mon 2010-05-24 16:11:06 Awaiting Repair	DS	Retest still shows a failing cross pol isolation at -17.2 dB at 243GHz. Warming Up.
Sun 2010-05-23 22:53:15 In Testing	MR	Cool down completed. Beam pattern measurement started 275,243&219GHz
Sun 2010-05-23 11:23:27 In Testing	MR	Cool down started
<b>101:___/___:018 (Config: 115)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=101">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=101</a>
Fri 2010-06-18 09:48:22 Awaiting Repair	DS	Feedhorn needs replaced for cross pol issues.
Sun 2010-05-23 11:22:04 Awaiting Repair	MR	Warmed up and awaiting repair. Removed from CTS_1
<b>101:___/___:024 (Config: 3) In Cartridge: 008 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=101">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=101</a>
Wed 2010-06-16 13:54:45 In transit - Shipped	DS	Picked up by Schenker 2010-06-14; CCA 6.014
Tue 2010-06-08 10:39:23 Available	DS	Arrived CHO 2010-06-03
Thu 2010-05-13 10:15:02 FEIC	DS	
Thu 2009-11-19 11:42:54 Accepted	DN	Dnagaraj: Added this record because database schema changed.
Wed 2009-11-18 15:10:28 Accepted	RG	Feed Through 011 is made up of waveguide windows 042 and 044.
Mon 2009-11-09 16:18:58 Accepted	JE	Used in CTS for B6 cartridge testing.
Thu 2009-11-05 14:58:07 Awaiting Testing	JE	Graph comparing this with WCA6-015 is here: \\cvfiler\cv-cdl-sis\CartTstData\Cart6.024productionTSTdata\WCA6-015-005.pdf
Thu 2009-10-01 09:38:48 Awaiting Testing	JE	In CTS with Cart B6-014
Tue 2009-09-29 09:11:52	JE	One of lowest noise WCAs: From: Kamaljeet S Saini Sent: Monday, September 28, 2009 Subj: Re: FW: B6 WCA with Lowest LO Noise
	John,	
		I just checked with Eric - there is no good reason why we should de-emphasize the WCAs for which there are no 2D

Status	By	Notes
<b>029:___/___:035 (Config: 114)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029</a>
Fri 2010-07-09 11:10:12 Awaiting Repair	ML Unusable due to metric mounting holes.	
Thu 2010-06-17 11:12:06 Awaiting Shipment	DS Mike Reynolds to deliver to NA-FEIC on 2010-06-18.	
Thu 2010-06-03 09:41:39 Awaiting Shipment	JE PAI Report updated for warrantee repair and uploaded to <a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/110984">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/110984</a> . Mike S, please handle transportation to assigned FEIC.	
Tue 2010-05-25 15:58:35 Awaiting PAI	MR PAI report new data is in this location \\Cvfiler\cv-cdl-sis\CartTstData\Cart6.013productionTSTdata\PAI FEND-40.02.06.00-393-C-TDR, ready for John Effland to reveiw.	
Tue 2010-05-18 13:46:26 Awaiting PAI	MR Warm up completed and has been removed from B6 CTS1 needs PAI report updates	
<b>029:___/___:035 (Config: 113)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029</a>
Tue 2010-05-18 13:44:38 In Testing	MR Warm test completed by CL and cool down started in B6 CTS1	
<b>029:___/___:023 (Config: 112)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029</a>
Thu 2010-06-17 15:49:40 Delivered	JE From: Lacasse Tue 15 Jun 2010 9:56 AM Completed database deliv: Cart 6.026 - NA FEIC - <a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/114968">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/114968</a>	
Tue 2010-05-18 13:43:01 Delivered	MR B6_026 and warm if amps 6.213 delivered to the NA-FEIC	
<b>029:___/___:023 (Config: 111)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029</a>
Fri 2010-05-14 14:13:14 Awaiting Warm Testing	DS Replaced A-frame, both mirrors and mirror mounts.	
<b>029:___/___:023 (Config: 110)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029</a>
Thu 2010-05-06 13:55:25 Delivered	DS Corrected mixer serial numbers in data base to match actuals and test data.	
<b>029:___/___:018 (Config: 109)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029</a>
Mon 2010-05-17 16:36:28 In Testing	MR Warm up started	
Sat 2010-05-08 08:56:06 In Testing	MR Completed Cold IV curves,oscillation test. Fine Space NT test started	
Fri 2010-05-07 08:21:40 In Testing	DS Cooling Down	
Tue 2010-05-04 10:20:13 Awaiting Testing	NH Replaced Pol 0 MXR/Preamp, Magnet, and Hybrid	
<b>029:___/___:017 (Config: 108)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029</a>



Status	By	Notes
Wed 2010-06-30 17:39:30 Awaiting Shipment	JE	<p>What's the story with B6-017 now not shipping to Chile as a replacement for B6-025?</p> <p>This cartridge is not going to ship to Chile after all. Sorry for the inconvenience.</p> <p>Regards,</p> <p>Dave</p> <p>From: Dave Schmitt [mailto:dschmitt@nrao.edu] Sent: Monday</p>
Mon 2010-06-28 09:43:48 Awaiting Shipment	DS	<p>From: Dave Schmitt [mailto:dschmitt@nrao.edu] Sent: Monday, June 28, 2010 9:43 AM To: 'Joyce A. Ford' Cc: 'Michael Shannon'; 'John Effland' Subject: RE: Shipment to Chile</p> <p>Joyce,</p> <p>Continue to HOLD on this shipment. Apparently Chile will not be ab</p>
Fri 2010-06-25 09:34:46 Awaiting Shipment	JE	Bernie Lopez at OSF says we'll review shipping data when Nick Whyborn returns from vacation on 5 Jul.
Thu 2010-06-24 13:40:05 Awaiting PAI	MJL	Database Delivery complete. See link for location on cvfiler.
Tue 2010-06-08 15:44:46 Awaiting PAI	JE	<p>PAI updated, signed, and uploaded to EDM here:</p> <p><a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/114231">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/114231</a></p>
Mon 2010-06-07 15:51:03 Awaiting PAI	MR	<p>PAI is ready for reveiw by John Effland in this location \\Cvfiler\cv-cdl-sis\CartTstData\Cart6.017productionTSTdata\Cart6.017_PAI FEND-40.02.06.00-507-A-TDR</p>
Fri 2010-06-04 17:09:08 Awaiting PAI	JE	<p>From Mike R: Retest of noise temperature test have completed for B6_017 please look over data and let me know if all is ok. HYPERLINK "file:///\\Cvfiler\cv-cdl-sis\CartTstData\Cart6.017productionTSTdata"\Cvfiler\cv-cdl-sis\CartTstData\Cart6.017productio</p>
Fri 2010-06-04 10:40:34 Awaiting PAI	MR	Cartridge has been removed from CTS_1. PAI report has to be updated.
Thu 2010-06-03 13:38:39 In Testing	MR	Cartridge is warming up
Thu 2010-06-03 11:39:03 In Testing	JE	<p>Noise data was rerun because some points were missing. Rerun data, in link below, and false color maps all look okay.</p>
Wed 2010-06-02 08:45:24 In Testing	DS	Cooling down for re-run of noise temperature data.
Thu 2010-05-27 11:17:32 Awaiting PAI	MR	<p>PAI report is ready for review by John Effland in this location. \\Cvfiler\cv-cdl-sis\CartTstData\Cart6.017productionTSTdata\Cart6.017_PAI FEND-40.02.06.00-507-A-TDR</p>
Wed 2010-05-19 13:59:09 Awaiting PAI	RG	The CIDL/BOM now resides on ALMA EDM

	Status	By	Notes
	Wed 2010-05-19 11:40:19	Awaiting PAI	RG Entered S/N# for Temp. Sensor for Pol. #1 mixer/preamp
	Tue 2010-05-18 17:14:19	Awaiting PAI	RG Updated LO Waveguide Assy S/N's and ESN#'s for both Pols.
	Wed 2010-05-12 13:55:05	Awaiting PAI	DS Warmed up and removed from CTS#2.
	Sat 2010-05-08 08:59:07	In Testing	MR Amplitude stability is being measured; all other test have been completed.
	Thu 2010-04-29 12:35:35	In Testing	MR Testing has begun with coarse noise temp.
	Wed 2010-04-28 15:14:47	In Testing	MR Cartridge is cooling down in CTS_2
<b>029:___/___:017 (Config: 107)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029</a>
	Wed 2010-06-30 15:42:29	Shipped	DS Picked up 2010-06-30 by Schenker(UPS Freight) Ref# CV229-10 WEB0003758232
	Fri 2010-06-04 17:01:32	Awaiting PAI	JE PAI Report updated and stored on EDM:  <a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/114478">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/114478</a> Doc database updated.
	Wed 2010-06-02 16:02:00	Awaiting PAI	MR PAI report is ready for John Effland review in the following location. \\Cvfiler\cv-cdl-sis\CartTstData\Cart6.027productionTSTdata\Cart6.027_PA1\FEND-40.02.06.00-516-A-TDR
	Thu 2010-05-27 15:57:00	Awaiting PAI	RG CIDL/BOM now resides on ALMA-EDM
	Wed 2010-05-26 11:51:06	Awaiting PAI	DS Testing Complete, removed from CTS#2.
	Tue 2010-05-25 14:15:03	In Testing	MR Warm up started.
	Tue 2010-05-25 13:51:27	In Testing	JE OK to warm up this cartridge. I found the reason for the drops at the ends of the total power plots, and the offset must be due to a calc error on the spreadsheet that I'm still looking into.
	Sun 2010-05-23 22:55:10	In Testing	MR Phase Stability test completed. Amplitude Stability test started for Pol 0 only due to mV's values vs. Pol 1
	Sun 2010-05-23 22:01:44	In Testing	JE Beam Efficiency, X-pol, and squint all okay: \\cvfiler\cv-cdl-sis\CartTstData\Cart6.027productionTSTdata\Cart6.026BeamEff.xlsm
	Sun 2010-05-23 11:57:12	In Testing	MR Phase Stability test started. Beam Patterns completed
	Mon 2010-05-17 16:35:28	In Testing	MR Fine Space NT test started
	Fri 2010-05-14 11:55:11	In Testing	DS Undergoing software tests of mixer testing routines.
	Wed 2010-05-12 16:14:47	In Testing	DS Cooling Down
	Thu 2010-04-29 15:43:42	Awaiting Testing	DN Added Pol1 mixer preamp
	Tue 2010-04-27 15:33:31	Awaiting Testing	NH update coax cable
	Tue 2010-04-27 14:35:35	Awaiting Testing	NH Inital Data
<b>029:___/___:017 (Config: 106)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=029</a>

Status	By	Notes
Thu 2010-06-24 10:31:22 Delivered	JE	This cartridge has same symptoms as B6.010:  I created a JIRA ticket so we can document comments/status here:  <a href="http://jira.alma.cl/browse/AIVAC-6">http://jira.alma.cl/browse/AIVAC-6</a>  Although there's already a ticket here:  <a href="http://jira.alma.cl/browse/AIV-2615">http://jira.alma.cl/browse/AIV-2615</a>  that seems more suit
Fri 2010-05-28 15:26:58 Delivered	JE	Mike Shannon reports this was delivered to the OSF on 21 May.
Wed 2010-05-19 11:28:18 Shipped	MS	Tracking number 84070029751407
Tue 2010-05-18 10:25:37 Shipped	MS	Arrived in Santiago May 17th. En Route to OSF with a delivery date of May 21st.
Tue 2010-05-11 15:28:54 Shipped	DS	Shipped to OSF UPS Freight(Schenker) #789006363WYB
Tue 2010-05-11 15:27:59 PAI Complete	DS	PAI Complete according to Shannon, entry for continuity.
Tue 2010-05-04 15:35:34 Awaiting PAI	RG	Band 6 Cartridge 025 Configured Items Data List Includes Bill of Materials now resides on ALMA-EDM
Tue 2010-05-04 12:58:10 Awaiting PAI	RG	Added ESN's
Thu 2010-04-29 15:12:34 Awaiting PAI	DS	Passed retest of noise temperatures with Bias points set as: Pol 0 LNA1 Stage 1 Vd: 0.7V Id: 3.0mA LNA2 Stage 1 Vd: 0.7V Id: 3.0mA  Warming up.
Wed 2010-04-28 15:16:17 In Testing	MR	Fine Space NT test started
Tue 2010-04-27 14:02:13 In Testing	MR	Cartridge has been room tested and cool down started in CTS_1  <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=029">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=029</a>
<b>029:___/___:017 (Config: 105)</b>		
Fri 2010-05-07 08:22:24 Awaiting Repair	DS	Warmed up and awaiting repair.
Thu 2010-05-06 16:28:27 Awaiting Testing	JE	Cross-pol measured twice at 230 GHz: \\cvfiler\cv-cdl-sis\CartTstData\Cart6.012productionTSTdata\Cart6.012_BeamEff1.2.xlsm and \\cvfiler\cv-cdl-sis\CartTstData\Cart6.012productionTSTdata\Cart6.012_BeamEff1.2230Repeat.xlsm  is still below the -20 dB s
Mon 2010-04-26 15:01:38 Awaiting Testing	NH	Replaced OMT  <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=028">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=028</a>
<b>028:060/050:022 (Config: 104)</b>		
Tue 2010-04-27 16:14:11 Awaiting Testing	NH	New OMT Updated Fto # 124 124 Is not in the pulldown

Status	By	Notes
Tue 2010-04-27 16:13:16 Awaiting Testing	NH New OMT	
Tue 2010-04-27 16:11:59 Awaiting Repair	NH New OMT	
Tue 2010-04-27 13:59:49 Awaiting Repair	MR Cartridge removed from CTS_1 and given to N.Horner to get the OMT replaced	
Mon 2010-04-26 15:52:51 Awaiting Repair	DS Cartridge fails noise temperature Pol 1, OMT needs changed out.	
Sun 2010-04-25 09:34:10 In Testing	MR cartridge passed cool down,cool IV curves,cold oscillation test and fine space NT test started.	
Sat 2010-04-24 11:50:33 In Testing	MR Cool down started	
<b>028:___/___:___ (Config: 102)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=028">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=028</a>
Fri 2010-04-23 14:32:56 Delivered	MR Delivered to NA-FEIC	
<b>028:___/___:016 (Config: 101)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=028">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=028</a>
Fri 2010-04-23 12:38:06 Awaiting Cold Testing	MS HAS BEEN REPAIRED AND WARM TESTED	
Wed 2010-04-21 13:41:49 Awaiting Testing	NH Changed Pol 1 MXR/Preamp	
<b>028:___/___:016 (Config: 100)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=028">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=028</a>
Thu 2010-06-24 10:07:49 Delivered	MJL Completed Operating and Measurement Database Delivery	
Tue 2010-06-22 10:03:05 Delivered	MS Turned over to broker/consignee on 6/20	
Thu 2010-06-17 13:15:47 Shipped	MS Schenker tracking number #84070030682479	
Tue 2010-06-15 08:12:19 Shipped	DS Picked up by Schenker 2010-06-14 shipper's reference # CV219-10.	
Tue 2010-06-08 13:20:08 Awaiting Shipment	JE TRF signed and forwarded to Skip	
Mon 2010-06-07 15:45:01 Awaiting Shipment	MS Ship to EuFEIC	
Tue 2010-05-18 16:41:17 Awaiting PAI	RG The CIDL-BOM is now posted on ALMA EDM	
Tue 2010-05-18 12:58:15 Awaiting PAI	RG Added ESN# for both Pols	
Wed 2010-04-28 15:13:26 Awaiting PAI	MR Cartridge has been removed from CTS_2	
Mon 2010-04-26 17:42:07 Awaiting PAI	DS Completed testing warming up.	
Mon 2010-04-26 08:51:34 In Testing	JE Beam efficiency meets specs:	
		\\cvfiler\cv-cdl-sis\CartTstData\Cart6.032productionTSTdata\Cart6.032_Band6BeamEfficiency1.3jee.xlsm
Sun 2010-04-25 09:31:22 In Testing	MR Remaining Beam Patterns restarted IF for Beast_2 was too high at lower Hz,beast not locking at 230GHz. I have added attenuator to the source and beast locked fine during corse check.	
Sat 2010-04-24 13:12:15 In Testing	MR .5mm Beam Patterns Started	
Wed 2010-04-21 14:57:14 In Testing	DS Passed noise temperature testing; LOWG integrity test now running.	
Mon 2010-04-19 11:36:49 In Testing	DS Passed room temperature tests and is cooling down.	
Mon 2010-04-19 11:17:28 Awaiting Testing	NH Changed OMT and Feedhorn	
<b>028:___/___:022 (Config: 6)</b>	<b>In Cartridge: 004 Pol: 0</b>	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=028">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=028</a>

	Status	By	Notes
	Wed 2010-06-02 11:56:49	DS	Arrived; needs configured.
	Thu 2010-05-13 10:13:32	DS	On Order
	Thu 2009-11-19 14:35:20 Accepted	RG	Feed Through 027 is made up of waveguide windows 075 and 076.
	Mon 2009-11-09 16:21:35 Shipped	JE	Location and status (NA FEIC # 2) from Saini:  <a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a>  <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=027">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=027</a>
<b>027:040/043:014 (Config: 99)</b>	<b>In Cartridge: 002 Pol: 0</b>		
	Fri 2010-05-21 14:08:19 Awaiting Cold Testing	DS	Requires remeasured beam patterns at 243, 275 and 219GHz.
	Wed 2010-05-19 15:41:39 Awaiting PAI	RG	The CIDL/BOM now resides on ALMA EDM.
	Wed 2010-05-19 15:17:51 Awaiting PAI	RG	Entered S/N's for Coax Cable, Bias Prot card, Feed Through, LO Wguide Assy, OMWG, Tripler, 51 pin Conn, and ESN#'s.
	Wed 2010-05-12 16:29:20 Awaiting PAI	JE	PAI Test data report completed - now awaiting for posting that on JIRA and EDM.
	Mon 2010-04-26 17:46:02 Awaiting PAI	DS	Updated Warm IF plate S/N
	Sat 2010-04-24 11:48:49 Awaiting PAI	MR	Cartridge test completed and awaiting PAI
	Fri 2010-04-23 12:28:09 In Testing	JE	Beam patterns meet specs:  \\cvfiler\cv-cdl-sis\CartTstData\Cart6.032productionTSTdata\Cart6.032_Band6BeamEfficiency1.3jee.xlsm
	Wed 2010-04-21 10:18:35 In Testing	JE	Noise temps meet spec, with no spikes, using the new bias values of Vd=0.9V and Id=3mA for stage 1 and stage 2 on Pol 1.  Also, false color noise graphs generated.
	Wed 2010-04-21 08:41:29 In Testing	DS	Passed Amplitude Stability testing. Presently running noise temperature tests for oscillation issue testing.
	Mon 2010-04-19 16:33:02 In Testing	DS	Passed LOWG Integrity test, running amplitude stability.
	Mon 2010-04-19 11:04:47 In Testing	JE	More information on oscillations are here: <a href="https://staff.nrao.edu/wiki/bin/view/ALMA/OscExpResults">https://staff.nrao.edu/wiki/bin/view/ALMA/OscExpResults</a>
	Mon 2010-04-19 10:50:13 In Testing	DS	Does not fail Pol 0 noise temperature. Passes noise temperature measurements. NOTE: Pol 1 has an oscillation of 9.3 GHz at LO 265 GHz when LNA2 Stage 2 Id=4.0mA; this cartridge is tested with LNA 1 and 2 Stage 1 and 2 Id's set to 3.0 mA.
	Mon 2010-04-19 08:49:12 In Testing	DS	Fails Pol 0 noise temperature testing.
	Fri 2010-04-16 08:29:30 In Testing	DS	Cooling down.
	Thu 2010-04-15 12:55:30 Awaiting Testing	DS	Updated config. number to reflect 4K heat sink change.  <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=027">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=027</a>
<b>027:___/___:014 (Config: 98)</b>			
	Thu 2010-04-15 09:38:26 Awaiting Testing	DS	Repaired; 4K heat sink replaced.
	Thu 2010-04-15 09:13:55 Awaiting Repair	DS	Updating S/N's

Status	By	Notes
Wed 2010-04-14 18:06:20 Awaiting Repair	DS	Initial entry. Fails room temperature tests Pol 1 mixer shows excessive current, mixer checks good, problem in cartridge, troubleshooting to continue.
<b>027: ___/___:014 (Config: 97)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=027">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=027</a>
Fri 2010-04-16 08:30:16 Awaiting Repair	DS	Removed from test set placed in storage
Thu 2010-04-15 15:29:03 Awaiting Repair	DS	Warming up; Pol 1 mixer needs replaced, erratic noise temperatures out of spec and oscillation at Id of 5 mA.
Wed 2010-04-14 17:52:11 In Testing	DS	Pol 1 Noise Temperature is out of spec. cartridge is being used for oscillation related testing.
Fri 2010-04-09 17:06:32 In Testing	DS	Noise Temperature test started.
Fri 2010-04-09 11:52:49 In Testing	DS	Cooling down.
Tue 2010-04-06 10:03:12 Awaiting Testing	NH	replaced PO 0 and Pol 1 MXR/preamps
<b>027: ___/___:014 (Config: 96)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=027">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=027</a>
Mon 2010-04-19 08:48:16 Awaiting Repair	DS	Warmed up, being removed for new OMT and feed horn.
Thu 2010-04-15 11:18:25 In Testing	DS	Cooling down.
Mon 2010-04-12 08:52:25 Awaiting Testing	JE	Location changed because I assume this is in the storage cabinet and not in a CTS.
Mon 2010-04-05 13:19:59 Awaiting Testing	NH	Changed Pol 1 MXR/Peramps
<b>027: ___/___:014 (Config: 95)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=027">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=027</a>
Tue 2010-05-18 10:49:05 Awaiting Shipment	MS	Please take to NAFEIC 05/18/010
Wed 2010-05-12 14:21:32 Awaiting PAI	DS	Scheduled to ship 2010-05-14 to NA-FEIC but still showing Awaiting PAI?
Thu 2010-04-29 14:52:03 Awaiting PAI	RG	Uploaded CIDL/BOM for Cart. #026 onto ALMA-EDM
Thu 2010-04-29 14:10:55 Awaiting PAI	RG	Updated ESN's for both polarizations
Thu 2010-04-15 11:17:42 Awaiting PAI	DS	Removed from test set, transfered to storage.
Wed 2010-04-14 17:54:47 Awaiting PAI	DS	Testing is complete; cartridge is warming up.
Mon 2010-04-12 17:29:03 In Testing	JE	With just Pol 0 pattern remeasured at 275 GHz, beam squint with Pol 1 remains out of spec at 11.5%.
Thu 2010-04-08 08:04:50 In Testing	JE	We successfully ran beam patterns on cartridge 6.026 on March 2nd of this year. We had pulled the cartridge for the 5 GHz suck out, which was found to be caused by a loose SMA connector on the vacuum side of the 300K plate. Properly torquing this connecto
Tue 2010-04-06 22:54:23 In Testing	JE	False color maps of noise temps look okay and are stored in data folder for this cartridge.
Tue 2010-04-06 15:16:07 In Testing	DS	Fine spaced noise temperature passed. Now running LOWG integrity.
Mon 2010-04-05 14:44:08 In Testing	DS	Coarse Noise Temperature passed, now running fine spaced noise temps.
Sat 2010-04-03 09:27:49 In Testing	MR	Cool Down Started CTS_2
<b>026:255/257:___ (Config: 753)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=026">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=026</a>
Wed 2010-06-23 11:19:39 Hold for Testing	ML	This mixer-preamp was received back from UofA due to LO problems and is on hold for testing.
Thu 2010-05-13 11:46:21 Awaiting Hybrid and Cables	ML	Integrated with new set of 040-1st stage preamps, ready for testing.

	Status	By	Notes
026:067/072:___ (Config: 743)	Wed 2010-05-12 15:56:12 Awaiting Preamp Integratio	ML	Replaced left-side mixer chip. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=026">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=026</a>
	Wed 2010-05-12 15:53:31 Awaiting Repair	ML	Further investigation revealed a hairline crack in the left-side mixer chip that severed the connection to the RF probe. Replace left-side chip.
	Fri 2010-05-07 08:52:20 Awaiting Cold Testing	JE	Summary from Groves: Mixer block 026 from UAZ is cold, and mixer #1 (Left) still has no LO Power, even though the fiber is removed. Mixer #2 (Right), the previous cracked chip, has been replaced and works great. Awaiting comments from Tony Kerr
	Thu 2010-05-06 09:42:33 Awaiting Cold Testing	RG	A piece of fiber debris was removed from mixer #1 (Left), which has no LO power. The working cracked chip mixer #2 (Right) was replaced to see if it still has pump power.
	Wed 2010-05-05 09:29:38 Awaiting Hybrid and Cables	ML	Ready for retest.
026:___/___:011 (Config: 93)	Mon 2010-05-03 15:38:42 Awaiting Preamp Integration	ML	Returned by UofA due to the left-side having pumped LO problems, however it was discovered that the right side chip was cracked. Replaced the right side chip to see if the left one still has pumped LO problems. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=026">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=026</a>
	Thu 2010-04-29 16:22:59 Awaiting Repair	RG	Mixer #1 (Left) has no LO Power available. The test reveals the failure that UAZ describes. The IV Curves and Optimum Bias tell the story.
026:___/___:014 (Config: 89)	Thu 2010-04-29 13:09:11 Awaiting Cold Testing	RG	This unit was returned from UAZ for no LO power on one of the mixers. Since this has relevance to what Chile has experienced with Cart. #010, it was decided to put block 026 in the MTS ASAP and check for LO power. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=026">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=026</a>
	Thu 2010-06-17 15:46:24 Delivered	JE	From: Lacasse Tue 15 Jun 2010 9:56 AM Completed database deliv: Cart 6.007 - EU FEIC - <a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/docProfile/104982/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/docProfile/104982/</a>
	Thu 2010-06-17 11:26:49 Delivered	MS	delivered
	Thu 2010-06-17 11:10:48 Shipped	DS	Delivery confirmation required.
	Thu 2010-05-20 15:25:11 Shipped	DS	Picked up by Schenker TRF# CV184-10
	Tue 2010-05-18 10:50:34 Awaiting Shipment	MS	TRF is signed. Joyce Ford has been asked to ship.
	Wed 2010-05-12 14:17:09 Awaiting PAI	DS	Scheduled to ship 2010-05-14 to EU-FEIC but still shows awaiting PAI?
	Tue 2010-04-27 15:50:47 Awaiting PAI	RG	Updated CIDL/BOM on ALMA EDM for mixer/preamp/hybrid changes
	Fri 2010-04-09 17:05:53 Awaiting PAI	DS	Removed from test set.
	Thu 2010-04-08 16:14:46 In Testing	MR	Warm up started all test completed
	Tue 2010-04-06 22:35:37 In Testing	JE	Eff's, pol iso, and squint all meet spec (Pol iso's are really good):  \\cvfiler\cv-cdl-sis\CartTstData\Cart6.007productionTSTdata\Cart6.--7_Band6BeamEfficiency1.3.xlsm


Status	By	Notes
Mon 2010-04-05 21:42:29 In Testing	JE	Patterns at 275 and 271 GHz okay:  \\cvfiler\cv-cdl-sis\CartTstData\Cart6.007productionTSTdata\Cart6.--7_Band6BeamEfficiency1.3.xlsm
Mon 2010-04-05 14:43:18 In Testing	DS	Fine Space Noise Temperature test passed, running patterns.
Sat 2010-04-03 09:10:04 In Testing	MR	Cold IV/Oscillation test completed. Fine Space NT started
Fri 2010-04-02 11:13:48 In Testing	DS	Cooling down.
Wed 2010-03-31 11:27:08 Awaiting Testing	DS	Passed room temperature tests, awaiting cold testing.
Mon 2010-03-29 14:01:46 Awaiting Testing	NH	Replaced OMT and FEEDHORN  <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=025">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=025</a>
<b>025:069/051:013 (Config: 84)</b>		
Wed 2010-06-02 08:22:28 Delivered	JE	Neil and Dave,  During our mirror inspection, would we see scrapes the size shown in the photos? I doubt that these affect performance at all, but it's more of a pure QA issue.  Thanks,  John
		From: liubill@ms6.hinet.net [mailto:liubill@ms6.hine
Wed 2010-05-19 11:27:25 Delivered	MS	Turned over to Broker.
Tue 2010-05-11 15:26:13 Shipped	DS	Shipped to EA-FEIC UPS Freight(Schenker) # 789006352WYB
Tue 2010-05-11 15:25:13 PAI Complete	DS	PAI Complete, entry for continuity.
Thu 2010-04-08 22:10:12 Awaiting PAI	JE	RFW signed and uploaded to EDM.  PAI Test Data report signed and uploaded to EDM:  <a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/113384">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/113384</a>  and B6 doc database updated.
		This should be ready for JIRA tickets.
Tue 2010-04-06 10:20:59 Awaiting PAI	DS	Removed from CTS and packed for storage.
Thu 2010-04-01 20:50:40 In Testing	MR	Warp up started
Thu 2010-04-01 08:28:31 In Testing	JE	Michael R,  Please consolidate the various amplitude stability runs for B6.022 and make sure we meet spec at all frequencies.



Status	By	Notes
Wed 2010-03-31 16:28:17 In Testing	RG	Band 6 Cartridge 022 Configured Items Data List Includes Bill of Materials document is now posted on ALMA-EDM.
Wed 2010-03-31 15:43:33 In Testing	RG	Entered ESN# for Pol (0) and Pol (1)
Wed 2010-03-31 15:07:21 In Testing	DS	Added warm IF plate serial number.
Tue 2010-03-30 13:54:12 In Testing	JE	From: John Effland (10 kB) Sent: Tuesday, March 30, 2010 1:21 PM To: Michael Shannon; Michael Reynolds (mreynold@nrao.edu); Dave Schmitt (dschmitt@nrao.edu) cc: mlacasse@nrao.edu Subj: RE: B6.016 (CTS-2) Spokes in Spurious Plots are From IF
Mon 2010-03-29 16:37:58 In Testing	JE	From: John Effland (117 kB) Sent: Monday, March 29, 2010 4:37 PM To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu) cc: mlacasse@nrao.edu; Deepika Nagaraj (dnagaraj@nrao.edu); Michael Shannon Subj: RE: Beam Efficiency and
Sun 2010-03-28 19:22:53 In Testing	JE	From: John Effland (11 kB) Sent: Sunday, March 28, 2010 7:17 PM To: Deepika Nagaraj (dnagaraj@nrao.edu); mlacasse@nrao.edu cc: 'Dave Schmitt'; 'mreynold@nrao.edu' Subj: IMPORTANT: Beam Efficiency Results Blow up for 6.022 in CTS_1
Sun 2010-03-28 11:31:15 In Testing	MR	Fine Beam Patterns started.
Sun 2010-03-28 11:29:10 In Testing	MR	Fine NT test completed. Beast would not lock at some IF's.
Sat 2010-03-27 11:44:49 In Testing	MR	Cartridge is cold and passed cold IV/Oscillation test and Fine Space NT started.
Fri 2010-03-26 11:31:06 In Testing	MR	Cool Down Started in CTS_1
<b>025:___/___:013 (Config: 83)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=025">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=025</a>
Thu 2010-05-13 16:42:39 Awaiting Testing	DS	
Wed 2010-03-24 15:43:33 Awaiting Cartridge	DN	once more
<b>025:___/___:013 (Config: 82)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=025">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=025</a>
Thu 2010-05-13 16:41:44 Awaiting Testing	DS	
Wed 2010-03-24 15:42:50 Awaiting Testing	DN	testing
Wed 2010-03-24 15:23:25 Awaiting Testing	DN	testing esn
<b>025:___/___:013 (Config: 81)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=025">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=025</a>

Status	By	Notes
Wed 2010-06-16 10:50:13 Accepted	DS	Repaired by LO group by canabilizing AMC from spare Beast being built. LO group predicts this rebuild will fail in 2-3 months due to the same decay problem that damaged the first one.
Wed 2010-06-09 15:23:38 Awaiting Repair	DS	Returned to LO Group on 2010-06-08 for testing; fails to lock on above 269 GHz. Report from LO group is that it is suffering from the known decay issues and that the power amp from the spare BEAST under construction will be used for the repair. An estimat
Thu 2010-05-13 16:40:33 Awaiting Testing	DS	
Wed 2010-03-24 13:31:10 Awaiting Testing		
Wed 2010-03-24 13:21:38 Awaiting Testing	DN test	
Tue 2010-02-23 16:34:51 Awaiting Testing	JE	Return to LO group ASAP:  From: Eric Bryerton (14 kB) Sent: Tuesday, February 23, 2010 3:16 PM To: Dave Schmitt; John Effland cc: Michael Shannon; Jennifer Jackson Subj: RE: B6.023 Noise Temps Okay in CTS-2, but Beast Bad
		Thanks Dave. Next o
Tue 2010-02-23 12:36:08 Awaiting Testing	DS	Frequency still locks off by 25 or more MHz. Using as is until CTS#2 warm up at which time it will be returned to LO group for rework.
Mon 2010-02-22 10:25:54 Awaiting Testing <b>025:___/___:013 (Config: 80)</b>	DS	Under test following replacement of MCDPLL <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=025">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=025</a>
Thu 2010-04-22 15:12:46 Awaiting Testing	DS	
Wed 2010-03-24 13:19:43 Awaiting Testing	DN testing esn	
Fri 2010-02-19 16:17:11 Awaiting Repair	DS	Returned to LO group for replacement of MCDPLL and test IAW Eric Bryerton.
Thu 2010-02-18 10:24:36 Awaiting Repair	JE	Beast still is sensitive to temperature, and operates at 38C with no fans. We have decided to just mount a fan on the unit.
Tue 2010-02-16 13:22:05 Awaiting Repair	JE	From JIRA:
		Author: Jennifer Jackson Created on: 16/Feb/10 01:58 PM Start Date: 16/Feb/10 01:55 PM Worklog Time Spent: 1 hour, 15 minutes Work Description: Tested unit under normal conditions and co
Fri 2010-02-12 12:27:46 Awaiting Repair	DS	Returned to LO group for repair. Setting power amp causes multiplexer to oscillate and report erroneous readings.
<b>025:___/___:013 (Config: 5) In Cartridge: 004 Pol: 1</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=025">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=025</a>
Tue 2010-06-29 15:11:59 Available	DN software test by dn	

	Status	By	Notes
	Fri 2010-06-18 15:18:14 Available	DS	
	Wed 2010-05-12 14:49:58 In transit - Shipped	DS	Shipped 2010-05-11 UPS Freight (Schenker) WEB0003510785 Tracking 789006352WYB
	Tue 2010-01-05 14:35:27 Delivered	MS	
	Tue 2010-01-05 14:32:33 Shipped	MS	
	Thu 2009-11-19 11:53:23 Accepted	ML	Dnagaraj: Added this record because database schema changed.
	Fri 2009-11-13 13:57:38 Accepted	RG	Feed Through 015 is made up of waveguide windows 051 and 052.
	Mon 2009-11-09 16:19:54 Shipped	JE	Saini reports this is in Chile as part of FEIC#7
			<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a>
	Mon 2009-10-19 15:49:26 Awaiting Testing	CL	testing
	Mon 2009-10-19 15:34:04 Awaiting Testing	CL	test
	Fri 2009-10-16 15:33:29 Awaiting Testing	CL	test
	<b>024: ___/___:___ (Config: 79)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024</a>
	Thu 2010-04-22 15:11:54 Awaiting Testing	DS	
	Fri 2010-03-26 13:53:08 Awaiting Testing		
	Fri 2010-03-26 12:58:31 Awaiting Testing	DN	testing again
	Fri 2010-03-26 11:20:09 Awaiting Testing	DN	testing e-mail again
	Fri 2010-03-26 10:46:42 Awaiting Testing	DN	testing e-mail
	Wed 2010-03-24 16:06:30 Awaiting Testing	DN	
	Wed 2010-03-24 10:28:08 Awaiting Testing	DN	updated Pol0 mxr preamp
	Tue 2010-03-16 09:53:28 Accepted	DS	Updated location
	Mon 2009-12-14 16:55:08 Accepted	DS	Part of CCA 6.015, awaiting shipment to EA-FEIC
	<b>024: ___/___:___ (Config: 78)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024</a>
	Thu 2010-06-17 14:34:12 Accepted	DS	
	Thu 2010-04-22 15:11:10 Awaiting Testing	DS	
	Fri 2010-04-02 12:07:08 Awaiting PAI	DS	Corrected Warm IF Amp Assy S/N.
	Thu 2010-04-01 16:35:55 Awaiting PAI	MS	Removed from CTS 2 Tests Complete.
	Wed 2010-03-31 15:05:51 Awaiting PAI	DS	Testing is complete. Cartridge is warming up.
	Wed 2010-03-31 15:04:05 Awaiting PAI	RG	Band 6 Cartridge 016 Configured Items Data List Includes Bill of Materials document is now posted on ALMA-EDM.
	Wed 2010-03-31 14:25:13 Awaiting PAI	RG	Entered ESN# for Pol (0) and Pol (1)

Status	By	Notes
Tue 2010-03-30 13:21:54 Awaiting PAI	JE From: John Effland (10 kB)	Sent: Tuesday, March 30, 2010 1:21 PM To: Michael Shannon; Michael Reynolds (mreynold@nrao.edu); Dave Schmitt (dschmitt@nrao.edu) cc: mlacasse@nrao.edu Subj: RE: B6.016 (CTS-2) Spokes in Spurious Plots are From IF
	Spi	
Tue 2010-03-30 10:35:52 Awaiting PAI	JE From: John Effland (7 kB)	Sent: Tuesday, March 30, 2010 10:34 AM To: Michael Shannon cc: Michael Reynolds (mreynold@nrao.edu); Dave Schmitt (dschmitt@nrao.edu); mlacasse@nrao.edu Subj: B6.016 (CTS-2) PAI Test Data Report Ready (Almost)
	Mike,	
		
Mon 2010-03-29 13:42:58 In Testing	JE	We found that previous amp stab measurements were made with the bias power supply turned off, and are now remesuring.
Sun 2010-03-28 19:23:32 In Testing	JE From: John Effland (9 kB)	Sent: Sunday, March 28, 2010 7:21 PM To: 'mreynold@nrao.edu' cc: 'Dave Schmitt'; mlacasse@nrao.edu; Michael Shannon Subj: RE: 6.016_AmpStab in CTS_2: Okay from 221 GHz through 243 GHz, but measurements then stopped
	Mik	
Sat 2010-03-27 13:08:17 In Testing	MR John,	I restarted the complete set of amplitude stability on 6.016_CTS_2. After looking over things I only notice that temperature sensor was surrounded by absorber more on CTS_2 I exposed sensor more, I also adjusted attenuator to -5db to give .5mv d
Sat 2010-03-27 07:12:18 In Testing	JE From: John Effland (12 kB)	Sent: Saturday, March 27, 2010 7:08 AM To: 'mreynold@nrao.edu' cc: Dave Schmitt; Michael Shannon; Michael Lacasse; 'djtop23@yahoo.com' Subj: RE: B6.016 in CTS-2: Amp Stab No Good
	Mike R,	
	There's something wrong wit	

Status	By	Notes
Thu 2010-03-25 09:22:17 In Testing	JE From: John Effland (114 kB) Sent: Thursday, March 25, 2010 8:43 AM To: John Effland; Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu) cc: mlacasse@nrao.edu; Michael Shannon; Matt Morgan (mmorgan2@nrao.edu) Subj: RE: All Patte	
Wed 2010-03-24 18:31:57 In Testing	JE From: John Effland (62 kB) Sent: Wednesday, March 24, 2010 6:31 PM To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu) cc: mlacasse@nrao.edu; Michael Shannon; Matt Morgan (mmorgan2@nrao.edu) Subj: RE: Patterns for B6.016 Oka	
Tue 2010-03-23 17:19:55 In Testing	JE From: John Effland (8 kB) Sent: Tuesday, March 23, 2010 4:44 PM To: 'mreynold@nrao.edu' cc: Dave Schmitt Subj: RE: PAI 6.019	Mike,  I updated the PAI with the beam efficiency data, and now we wait for the rest of the results.
Tue 2010-03-23 08:26:47 In Testing	JE Fine noise temps all look good:	To: Subject: Sent: Size: Categories: 'Dave Schmitt'; 'Michael Reynolds'; RE: Cart 6.016 Tue 2010-03-23 08:25:10 KB
Sun 2010-03-21 10:14:56 In Testing	DS Coarse Noise Temps passed, now running fine noise temps.	
Sat 2010-03-20 14:12:45 In Testing	MR Cool down has been started on 6.016 CTS_2	
Mon 2009-12-14 11:16:56 Awaiting Retest <b>024:___/___:013 (Config: 77)</b>	DS Awaiting shipment to EA-FEIC with CCA 6.015.	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024</a>
Thu 2010-04-22 15:10:26 Awaiting Testing	DS	
Mon 2010-03-22 15:38:12 Awaiting Testing	DN	
Fri 2010-03-19 11:05:03 Awaiting Testing	DN	
Thu 2010-03-18 09:23:40 Awaiting Testing	DN software test	
Tue 2009-12-08 08:42:21 Awaiting Cartridge <b>024:___/___:012 (Config: 76)</b>	JE just a test	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024</a>
Thu 2010-06-17 11:52:15 Delivered	MS Delivered #84070029459464	

Status	By	Notes
Thu 2010-06-17 11:51:32 Shipped	MS	Delivered
Thu 2010-06-17 11:09:41 Shipped	DS	Delivery confirmation required.
Tue 2010-06-08 14:26:25 Shipped	JE	PAI report updated to explain discrepancy in total power measurements:  <a href="http://jira.alma.cl/browse/BANDSIXACCEPTANCE-5">http://jira.alma.cl/browse/BANDSIXACCEPTANCE-5</a>
Fri 2010-04-30 15:47:21 Shipped	DS	Picked up UPS Freight 2010-04-30 #784277174WYB
Thu 2010-04-22 14:34:36 Awaiting Testing	DS	
Wed 2010-03-31 13:49:47 Awaiting PAI	RG	Band 6 Cartridge 019 Configured Items Data List Includes Bill of Materials document is now posted on ALMA-EDM.
Wed 2010-03-31 13:25:08 Awaiting PAI	RG	The S/N# for coax cable of Pol (1) LSB is unknown.
Wed 2010-03-31 12:57:56 Awaiting PAI	RG	Entered ESN# for Pol (0) and Pol (1)
Fri 2010-03-26 09:24:43 Awaiting PAI	JE	Mike R says this is out of CTS 1 and awaits PAI approval.
Mon 2010-03-22 10:04:50 In Testing	DS	
Mon 2010-03-22 08:51:41 In Testing	JE	From: John Effland (96 kB) Sent: Monday, March 22, 2010 8:50 AM To: 'Dave Schmitt' cc: 'Michael Reynolds'; 'mlacasse@nrao.edu'; Michael Shannon Subj: RE: Testing B6.019 - X-Pols and Beam Efficiencies Look Fantastic
Mon 2010-03-22 08:51:19 In Testing	JE	From: John Effland Sent From: John Effland (47 kB) Sent: Sunday, March 21, 2010 4:36 PM To: 'Dave Schmitt'; Matt Morgan cc: 'Michael Reynolds'; mlacasse@nrao.edu; Michael Shannon Subj: RE: Testing B6.019 - Misses Overall Gain Slope by 1 dB  Dave,  The overall gain sl I moved the first two scans from Cart 14 to this cartridge.
Mon 2010-03-22 08:45:11 In Testing	MR	First two .5mm BP(key beam 4160,4161) wrong cartridge selected data is cartridge 14
Sat 2010-03-20 13:54:34 In Testing	MR	.5mm Beam Patterns are running. Noise temperture test look like Pol 0 power high.
Sat 2010-03-20 12:14:41 In Testing	DS	Coarse Noise Temp and Coarse Beam Patters have all passed. Fine Spacing noise testing is now running.
Fri 2010-03-19 15:09:58 In Testing		

	Status	By	Notes
	Fri 2010-03-19 10:47:11 In Testing	DS	Performance testing has begun.
	Thu 2010-03-18 09:07:09 In Testing	DS	Pumping down in CTS#1
	Thu 2010-03-11 11:26:32 Awaiting Testing	JE	Checked both mixer-preamps for oscillations and found none.
	Fri 2010-03-05 15:01:34 Awaiting Testing	NH	Replaced Pol 1 mxr/preamps assembly
	Fri 2010-03-05 15:00:57 Awaiting Testing	NH	
<b>024:___/___:___ (Config: 75)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024</a>
	Tue 2010-06-08 10:24:13 Under construction	NH	Initial Data
	Thu 2010-04-22 14:33:11 Awaiting Testing	DS	
	Thu 2009-11-19 14:19:41 Accepted	DS	Test Source 2
	Thu 2009-11-19 14:16:14 Accepted	DS	
	Mon 2009-11-09 17:35:36 Accepted	JE	Available for pickup from LO group:
			<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/110107">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/110107</a>
<b>024:___/___:___ (Config: 74)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024</a>
	Thu 2010-06-17 14:53:15 Accepted	DS	Updated S/N.
	Tue 2010-06-08 10:03:44 Under construction	NH	Initial Data
	Thu 2010-04-22 14:31:54 Awaiting Testing	DS	
	Mon 2009-11-09 17:19:31 Under construction	JE	Location and status from Saini:
			<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a>
<b>024:___/___:012 (Config: 73)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024</a>
	Tue 2010-06-08 09:56:47 Under construction	NH	Initial Data
	Thu 2010-04-22 14:30:40 Awaiting Testing	DS	
	Wed 2010-04-14 10:53:06 Delivered	MS	From: Alexandra Wolf [mailto:alexandra.wolf@dbschenker.com] Sent: Wednesday, April 14, 2010 10:44 AM To: Joyce A. Ford Cc: Michael Shannon; 'Dave Schmitt'; 'Shirley Huang'; 'Yevgeniy Kravchenko' Subject: RE: Delivery Status of STT 84070028197220
		H	
	Wed 2010-04-07 12:33:02 Shipped	DS	Picked up by Schenker 2010-04-07 #WEB0003352317

Status	By	Notes
Mon 2010-03-29 13:11:52 Awaiting Shipment	JE	From: John Effland (169 kB) Sent: Monday, March 29, 2010 1:11 PM To: sthacker@nrao.edu cc: Dave Schmitt (dschmitt@nrao.edu); Michael Shannon Subj: FW: Cart6.021 TRF
		Skip,
		Please sign this TRF for Cart 6.021 destined for EA-FEIC and return it
Wed 2010-03-24 16:40:24 Awaiting PAI	DN	Adding ESN Pol1
Wed 2010-03-24 16:07:39 Awaiting PAI	DN	trying to add ESN pol0
Tue 2010-03-16 08:57:30 Awaiting PAI	DS	Accepted - awaiting PAI
Sat 2010-03-13 11:58:00 In Testing	MR	Amplitude Stability test being remeasured
Sat 2010-03-13 07:30:36 In Testing	JE	From: John Effland (146 kB) Sent: Saturday, March 13, 2010 7:09 AM To: Michael Reynolds (mreynold@nrao.edu); Dave Schmitt (dschmitt@nrao.edu); mlacasse@nrao.edu; Michael Shannon Subj: B6-021 Amp Stab in CTS-1: Out of Spec
		Michael,
		Amp stability
Thu 2010-03-11 08:44:56 In Testing	DS	Enter Warm IF plate s/n.
Thu 2010-03-11 08:43:32 In Testing	JE	From: John Effland (106 kB) Sent: Thursday, March 11, 2010 8:37 AM To: 'Matt Morgan'; Tony Kerr (akerr@NRAO.EDU); Dave Schmitt (dschmitt@nrao.edu); Michael Shannon; Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu Subj: RE: Noise Temps for B6.
Thu 2010-03-11 06:35:10 In Testing	JE	From: John Effland (80 kB) Sent: Thursday, March 11, 2010 6:34 AM To: Matt Morgan (mmorgan2@nrao.edu); Tony Kerr (akerr@NRAO.EDU); Dave Schmitt (dschmitt@nrao.edu); Michael Shannon; Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu Subj: Noise
Wed 2010-03-10 06:33:07 In Testing	JE	From: John Effland (8 kB) Sent: Wednesday, March 10, 2010 6:32 AM To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu cc: Michael Shannon Subj: RE: B6.021 in CTS-1: Beam Patterns and Efficiencies all meet



Status	By	Notes
Tue 2010-03-09 11:08:55 In Testing	JE	From: John Effland (8 kB) Sent: Tuesday, March 09, 2010 11:08 AM To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu cc: Michael Shannon Subj: B6.021 in CTS-1: Beam Patterns and Efficiencies all Look good
Tue 2010-03-09 09:41:20 In Testing	DS	Passed coarse noise temp testing, undergoing pattern measurement.
Fri 2010-03-05 11:48:18 In Testing	DS	Undergoing room temp testing, if passes will load into CTS#1 2010-03-06.
Fri 2010-03-05 10:48:16 Awaiting Testing	NH	Replaced Pol1 mxr/preamp assembly
Mon 2010-03-01 10:11:11 Awaiting Repair	JE	Dave reports osicllation at 265 GHz, but no oscillations at 264 or 263 GHz LOs
Thu 2010-02-25 14:28:58 Awaiting Repair	JE	
Thu 2010-02-25 14:26:38 Awaiting Repair	JE	Being removed from CTS-1 for oscillation problems. Measurements of X-pol at 211, 253, 272 GHz are all above 21.9 dB (at 272 GHz, Pol 1)
Mon 2009-11-09 17:19:31 Under construction	JE	Location and status from Saini:  <a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a> <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=024</a>
<b>024:___/___:012 (Config: 72)</b>		
Thu 2010-06-17 14:51:24 Under construction	RG	Added the test data. The Alma allowable Leak Rate Spec is 2x10-6 after 20 minutes.
Tue 2010-06-08 08:39:29 Under construction	NH	Initial Data
Mon 2010-05-03 11:07:04 Awaiting Testing	JE	Duration on JIRA ( <a href="http://jira.alma.cl/browse/WCA-12">http://jira.alma.cl/browse/WCA-12</a> ) passed, so we've accepted these from the LO group by default.
Thu 2010-04-22 14:29:16 Awaiting Testing	DS	
Fri 2010-04-16 13:21:53 Awaiting Testing	JE	Spurious Signal at 12.3 GHz missing from WCA's 20 and 24  Dave S. reports that the 12.3 GHz spur is not visible on the CTS spectrum analyzer in the latest "low noise" WCAs:  WCA6-020 and -024
Wed 2010-04-07 14:39:10 Awaiting Testing	DS	In test
Fri 2010-02-26 11:58:00 Awaiting Testing	DS	Delivered to Band 6 group by LO group 2010-02-24.
Tue 2010-02-23 13:36:02 Under construction	JE	Output power: 50 mW @ 80 GHz for Pol 0 Data here: <a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/docProfile/112124">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/docProfile/112124</a>
Mon 2009-11-09 17:19:31 Under construction	JE	Location and status from Saini:  <a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a> <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=023">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=023</a>
<b>023:___/___:___ (Config: 71)</b>		
Fri 2010-07-09 11:11:26 Awaiting Repair	ML	Unusable due to metric mounting holes.

Status	By	Notes
Wed 2010-06-30 11:02:11 Accepted	DS	Updated cable s/n's.
Thu 2010-06-17 14:49:34 Under construction	RG	Added the test data. The Alma allowable Leak Rate Spec is 2x10 <sup>-6</sup> after 20 minutes.
Mon 2010-06-07 14:27:58 Under construction	NH	Initial Data
Mon 2010-06-07 10:49:58 Awaiting Cartridge	NH	Initial Data
Thu 2010-04-22 14:27:52 Awaiting Testing	DS	
Wed 2010-02-24 08:21:48 In Testing	DS	Pol 1 Mixer Oscillates at 5.95 GHz.
Tue 2010-02-23 12:33:28 In Testing	DS	Replaced temperature sensor Pol 1 mixer, in testing CTS#1
Mon 2009-11-09 17:19:31 Under construction	JE	Location and status from Saini:

<http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/>

<http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=023>

**023:\_\_\_/\_\_\_:011 (Config: 70)**

Thu 2010-06-17 14:47:02 Under construction	RG	Added the test data. The Alma allowable Leak Rate Spec is 2x10 <sup>-6</sup> after 20 minutes.
Mon 2010-06-07 13:49:30 Under construction	NH	Initial Data
Mon 2010-06-07 10:49:30 Awaiting Cartridge	NH	Initial Data
Thu 2010-04-22 14:26:26 Awaiting Testing	DS	
Wed 2010-02-24 08:28:58 Rejected	JE	
Mon 2010-02-22 07:32:59 Rejected	DS	Pol 1 Mixer 108 has large spike in the data at 11.5 GHz.

From: Dave Schmitt [mailto:dschmitt@nrao.edu]

Sent: Monday, February 22, 2010 7:29 AM

To: 'John Effland'; 'nhorner@nrao.edu'; 'Michael Reynolds (mreynold@nrao.edu)'; 'mlacasse@nrao.edu'; 'De

Mon 2009-11-09 17:19:31 Under construction JE Location and status from Saini:

<http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/>

<http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=023>

**023:\_\_\_/\_\_\_:011 (Config: 69)**

Thu 2010-06-17 14:48:23 Accepted	RG	Added the test data. The Alma allowable Leak Rate Spec is 2x10 <sup>-6</sup> after 20 minutes.
Thu 2010-06-17 14:45:46 Accepted	RG	Added the test data. The Alma allowable Leak Rate Spec is 2x10 <sup>-6</sup> after 20 minutes.
Thu 2010-06-17 14:43:41 Accepted	RG	Added vacuum and leak rate.
Thu 2010-06-17 14:41:29 Accepted	RG	Added the test data. The Alma allowable Leak Rate Spec is 2x10 <sup>-6</sup> after 20 minutes.
Mon 2010-06-07 10:54:07 Accepted	NH	Initial Data
Mon 2010-06-07 10:48:58 Awaiting Cartridge	NH	Initial Data
Thu 2010-04-22 14:25:22 Awaiting Testing	DS	

Status	By	Notes
Mon 2010-02-22 05:48:38 In Testing	JE From: John Effland (116 kB) Sent: Monday, February 22, 2010 5:47 AM To: Dave Schmitt (dschmitt@nrao.edu); nhorner@nrao.edu; Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu; Deepika Nagaraj (dnagaraj@nrao.edu) cc: Michael Shannon Subj: Prob	
Mon 2010-02-22 05:47:30 In Testing	JE From: John Effland (116 kB) Sent: Monday, February 22, 2010 5:47 AM To: Dave Schmitt (dschmitt@nrao.edu); nhorner@nrao.edu; Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu; Deepika Nagaraj (dnagaraj@nrao.edu) cc: Michael Shannon Subj: Prob	
Sat 2010-02-20 11:40:41 In Testing	MR	
Sat 2010-02-20 11:39:03 Awaiting Testing	MR	
Mon 2010-01-11 11:01:50 Awaiting Testing	JE This will be shaken in the FE shake test.	
Mon 2009-11-09 17:19:31 Under construction	JE Location and status from Saini:	<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a> <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=023">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=023</a>
<b>023:___/___:011 (Config: 68)</b>		
Mon 2010-06-07 10:48:18 Awaiting Cartridge	NH Inital Data	
Mon 2010-05-03 11:05:55 Accepted	JE Duration on JIRA passed, so we've accepted this from the LO group by default.	
Mon 2010-04-26 17:44:46 Accepted	DS P/O CCA 6.014	
Thu 2010-04-22 14:45:32 Awaiting Testing	MJL adding YiG Frequencies	
Fri 2010-04-16 13:22:43 Awaiting Testing	JE Spurious Signal at 12.3 GHz missing from WCA's 20 and 24	Dave S. reports that the 12.3 GHz spur is not visible on the CTS spectrum analyzer in the latest "low noise" WCAs:  WCA6-020 and -024
Thu 2010-03-25 10:31:23 Accepted	DS	
Fri 2010-02-26 11:57:02 Awaiting Testing	DS Delivered to Band 6 group by LO group 2010-02-24.	
Tue 2010-02-23 13:39:13 Under construction	JE Output power 28 mW @ 80 GHz for Pol 0 (WCA6-024 has 80 mW)	
Tue 2010-02-23 13:27:53 Under construction	DN Fake entry for software testing	
Fri 2010-02-19 10:58:18 Awaiting Testing	DS	
Mon 2009-11-09 16:49:33 Under construction	JE Saini reports this has not been built:	<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a>

Status	By	Notes
<b>023:___/___:011 (Config: 67)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=023">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=023</a>
Mon 2010-06-07 10:47:47 Awaiting Cartridge	NH Inital Data	
Tue 2010-03-02 10:52:22 Accepted	DS	
Mon 2009-11-09 16:38:27 Awaiting Testing	JE Location and status from Saini:	
		<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a>
		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=023">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=023</a>
<b>023:___/___:011 (Config: 66)</b>		
Mon 2010-06-07 10:46:25 Awaiting Cartridge	NH Inital Data	
Mon 2010-03-29 17:32:41 Awaiting Repair	RG Added S/s#'s for Coax Cables, Bias Protection, Feed Through, LO Wguide Assy, OMWG, Triplers, and 51 pin connector.	
Mon 2010-03-29 16:59:49 Awaiting Repair	RG Entered temp sensor S/N's	
Mon 2010-03-29 16:30:04 Awaiting Repair	RG Added ESN#'s	
Thu 2010-03-11 11:18:45 Awaiting Repair	DS CROSS POL ISSUES ***HOLD***	
Sat 2010-02-20 10:43:14 Awaiting Repair	JE Cross-pol at 243 GHz is poor (-15 dB) so removing this from CTS-1	
Thu 2010-02-18 12:13:58 In Testing	DS Loaded CTS#1 2010-02-18	
Tue 2010-02-02 08:33:05 Accepted	DS	
Mon 2009-11-09 16:45:52 Under construction	JE Location and status from Saini:	
		<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a>
Fri 2009-10-09 15:23:17 Awaiting Testing	JE Skip placed this in the display case for the open house!	
Fri 2009-10-09 15:22:24 Awaiting Testing	JE	
<b>023:___/___:011 (Config: 65)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=023">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=023</a>
Thu 2010-06-24 13:33:12 Delivered	JE I imagine the cartridge will arrive late next week or the first full week in July. Manpower here will be somewhat sparse the next few weeks.	
		Here is what I propose we do with cartridge 6.010 upon its return from Chile:
		1. Complete physical inspectio
Thu 2010-06-24 09:29:24 Delivered	JE This unit is headed back to CV:	
		<a href="http://jira.alma.cl/browse/AIV-2313">http://jira.alma.cl/browse/AIV-2313</a>
		From: Leonardo Aravena [mailto:laravena@alma.cl] (13 kB)
		Sent: Tuesday, June 22, 2010 8:17 PM
		To: Bernhard Lopez
		cc: Juan Pablo Garcia; Engineering Leads; Skip Thacker; John

Status	By	Notes
Mon 2010-06-07 10:44:33 Awaiting Cartridge	NH Inital Data	
Thu 2010-03-11 15:42:50 Delivered	JE From: John Effland (10 kB) Sent: Thursday, March 11, 2010 3:41 PM To: 'Kamaljeet S Saini' cc: Michael Shannon; sthacker@nrao.edu Subj: RE: Band6 SN-10 on EA FEIC FE #9	
	Saini,	
		The EA-FEIC data (stored HYPERLINK "file:///\\cvfiler\cv-cdl-sis\C
Fri 2010-02-26 11:51:42 Shipped	DS	
Tue 2010-02-02 08:31:46 Accepted	DS	
Wed 2010-01-13 09:48:22 Accepted	DS Shipped to EU-FEIC with CCA 6.018 on 2010-01-13.	
Mon 2010-01-11 16:17:49 Accepted	JE Awaiting shipment with B6.018 to EuFEIC	
Fri 2010-01-08 09:56:35 Delivered	MJL	
Mon 2009-11-09 16:36:23 Awaiting Testing	JE Location and status from Saini:	
		<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a>
Thu 2009-10-01 09:48:39 Awaiting Testing	JE	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=023">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=023</a>
<b>023:___/___:011 (Config: 64)</b>		
Mon 2010-06-07 10:45:23 Awaiting Cartridge	NH Inital Data	
Mon 2010-06-07 10:44:05 Awaiting Cartridge	NH Inital Data	
Fri 2010-04-23 14:30:54 Delivered	MR Delivered to NA-FEIC	
Wed 2010-03-24 13:12:14 Delivered	MS Delivered to NA FEIC. NA FEIC has asked that we hold on to it until room becomes available.	
Tue 2010-03-09 16:47:03 Awaiting PAI	RG Entered OMWG Serial numbers.	
Tue 2010-03-09 16:41:43 Awaiting PAI	RG Entered S/N#'s for coax cables, Bias Cards, Feed Throughs, LO Wguide assy, Triplers, OMT and 51 pin connector.	
Tue 2010-03-09 15:49:15 Awaiting PAI	Entered Temperature Sensor S/N#'s	
Mon 2010-03-08 22:46:12 Awaiting PAI	JE From: John Effland (7 kB) Sent: Monday, March 08, 2010 10:44 PM To: Michael Shannon cc: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu) Subj: B6.023 PAI Test Data Report	
	Mike	
		The PAI Test Data report for B6.023 is comp

Status	By	Notes
Tue 2010-03-02 10:58:58 Awaiting PAI	DS	Added Warm IF Amp plate serial number.
Mon 2010-03-01 07:38:00 Awaiting PAI	DS	Cartridge passed testing.
Fri 2010-02-26 05:53:31 In Testing	JE	From: John Effland (9 kB) Sent: Friday, February 26, 2010 5:51 AM To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu cc: Michael Shannon; Deepika Nagaraj (dnagaraj@nrao.edu); 'Matt Morgan' Subj: RE: Sidel
Fri 2010-02-26 05:52:58 In Testing	JE	From: John Effland (9 kB) Sent: Friday, February 26, 2010 5:28 AM To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu cc: Michael Shannon; Deepika Nagaraj (dnagaraj@nrao.edu); 'Matt Morgan' Subj: Beam Effi
Thu 2010-02-25 11:14:00 In Testing	JE	From: John Effland (56 kB) Sent: Thursday, February 25, 2010 10:40 AM To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu) cc: mlacasse@nrao.edu; Michael Shannon; Deepika Nagaraj (dnagaraj@nrao.edu); Josh Crabtree (jcrabtre@nr
Tue 2010-02-23 05:57:43 In Testing	JE	From: John Effland Sent: Tuesday, February 23, 2010 6:06 AM To: Dave Schmitt (dschmitt@nrao.edu); mlacasse@nrao.edu; Michael Reynolds (mreynold@nrao.edu) Cc: Mike Shannon (mshannon@nrao.edu); ebryerto@nrao.edu Subject: B6.023 Noise Temps Okay in CTS-2
Tue 2010-02-02 08:31:01 Accepted	DS	
Wed 2010-01-06 14:34:52 Awaiting Repair	MJL	Removed from test set after discovering bad beam patterns at 271GHz. Likely due to Thomas Keating Feed Horn.
Mon 2009-11-09 16:31:58 Accepted	JE	Dave's notes show this to be a gold standard:  <a href="http://www.cv.nrao.edu/php-internal/ntc/Tasks/Events2.php?TaskNum=1727">http://www.cv.nrao.edu/php-internal/ntc/Tasks/Events2.php?TaskNum=1727</a> <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=023">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=023</a>
Wed 2010-06-09 16:15:15 Delivered	JE	Hi Pavel,  The most likely frequency to observe oscillations is with LO's of 265 GHz, 253 GHz, and 249 GHz, ranked from most to least likely. Our latest theory is that they originate in one IF amp as an RF signal, propagate out the amplifier input to t
Mon 2010-06-07 10:43:35 Awaiting Cartridge	NH	Initial Data
Wed 2010-04-14 09:58:02 Delivered	MS	Delivered per J Ford
Fri 2010-03-26 15:41:29 Shipped	JE	Headed to Eu FEIC

023:\_\_\_/\_\_\_:011 (Config: 63)

Status	By	Notes
Thu 2010-03-25 13:31:47 Shipped	DS	Picked up by Schenker 2010-03-25 Way Bill 855368846
Wed 2010-03-24 16:21:24 Awaiting Shipment	DS	Loaded and ready for shipping paperwork and pick up on 2010-03-25
Thu 2010-03-04 16:53:33 Awaiting PAI	JE	From: John Effland (7 kB) Sent: Thursday, March 04, 2010 4:43 PM To: Michael Shannon cc: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu) Subj: Cart 6.020 PAI Report  Mike,  The PAI report for this cartridge is here:  \
Thu 2010-02-25 16:00:18 Awaiting PAI	JE	
Tue 2010-02-23 15:24:33 Awaiting PAI	DS	
Thu 2010-02-11 17:05:58 In Testing	JE	From: John Effland (7 kB) Sent: Thursday, February 11, 2010 4:58 PM To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu) cc: Michael Shannon Subj: Cartridge B6.020 - Patterns Results Meet Specs, Except X-Pol at 211 GHz!  Be
Tue 2010-02-02 08:30:06 Accepted	DS	
Thu 2010-01-07 16:52:31 Awaiting Testing	RG	Added serial #'s for coaxial cables, Bias Potect cards, LO WG Assy, OMWG, and Triplers
Thu 2010-01-07 14:11:45 Awaiting Testing	RG	Added 51 pin connector, Temp sensors, and feed through pods serial numbers.
Wed 2010-01-06 11:09:02 Awaiting Testing	NH	added awaiting testing
Tue 2009-11-17 14:45:24 Shipped	JE	Awaiting clearence in TW  FEDEX 798125410636
Tue 2009-11-10 07:43:33 Shipped	DS	Shipped to EA-FEIC on 2009-11-13
Thu 2009-11-05 14:55:20 Awaiting Cartridge	JE	From: John Effland (13 kB) Sent: Thursday, November 05, 2009 2:54 PM To: 'Dave Schmitt' cc: Michael Shannon; sthacker@nrao.edu; ksaini@nrao.edu Subj: RE: Checkout of WCA6-015  The course noise temp measurements of WCA6-015 compared to our gold s
Thu 2009-10-01 09:46:00 Awaiting Testing	JE	On bench in test lab

Status	By	Notes
Thu 2009-10-01 09:35:35 Awaiting Testing	JE	In CTS
Thu 2009-10-01 09:34:44 Awaiting Testing	JE	This WCA now being tested in CTS with Cartridge B6-014.
Tue 2009-09-29 09:33:55 Awaiting Testing	JE	Noise: 60 k/uW: From: Kamaljeet S Saini Sent: Monday, September 28, 2009 Subj: Re: FW: B6 WCA with Lowest LO Noise
Tue 2009-09-29 09:21:38 Awaiting Testing	JE	John,  I just checked with Eric - there is no good reason why we should de-emphasize the WCAs for which there are no 2D noise plot
<b>023:___/___:011 (Config: 62)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=023">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=023</a>
Mon 2010-06-07 10:43:04 Awaiting Cartridge	NH	Initial Data
Fri 2010-04-23 16:15:44 Shipped	JE	Mike R reports: I have delivered cold cartridges 6.008,6.016 & 6.023. WCA 6.018 that goes with cold cartridge 6.008 was also delivered to NA_FEIC.
Fri 2010-04-23 14:33:58 Accepted	MR	Delivered to NA-FEIC
Fri 2010-02-26 11:55:58 Accepted	DS	Ships with CCA 6.008.
Tue 2010-02-02 08:29:01 Accepted	DS	
Tue 2009-09-29 09:26:01 Awaiting Testing	JE	Noise: 25 k/uW From: Kamaljeet S Saini Sent: Monday, September 28, 2009 Subj: Re: FW: B6 WCA with Lowest LO Noise
Tue 2009-09-29 09:21:38 Awaiting Testing	JE	John,  I just checked with Eric - there is no good reason why we should de-emphasize the WCAs for which there are no 2D noise plots
<b>023:___/___:011 (Config: 61)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=023">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=023</a>
Mon 2010-06-07 10:42:36 Awaiting Cartridge	NH	Initial Data
Wed 2010-05-12 13:52:22 Accepted	DS	
Mon 2010-02-08 10:07:21 Awaiting Testing	NH	Replaced GD 302 feedhorn with Thomas Keating S/N 405
Tue 2010-02-02 08:28:05 Accepted	DS	
Fri 2009-12-18 11:22:31 Awaiting Testing	NH	DC tested OK 12/18/2009
<b>022:___/___:___ (Config: 659)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022</a>



Status	By	Notes
Wed 2010-07-07 10:44:25 Awaiting Repair	ML	Unusable due to metric mounting holes.
Tue 2009-11-17 10:11:28 Awaiting Repair	ML	Removed preamps, red tagged and stored in Vidmar. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=022">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=022</a>
<b>022:___/___:025 (Config: 534)</b>		
Tue 2009-02-10 13:30:05 Awaiting Repair	RG	The Receiver Noise Temperatures on the LSB exceed the 10%>83K. (Actual 11.6%)
Tue 2009-02-10 13:22:53 Awaiting Repair	ML	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=022">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=022</a>
<b>022:___/___:025 (Config: 60)</b>		
Tue 2010-06-08 11:55:25 Under construction	PW	initial input
Mon 2010-06-07 10:41:53 Awaiting Cartridge	NH	Initial Data
Wed 2010-05-05 13:43:21 Awaiting Repair	JE	Still in LO group for repair. See JIRA ticket  <a href="http://jira.alma.cl/browse/FENCR-107">http://jira.alma.cl/browse/FENCR-107</a>  for details.
Thu 2010-03-11 11:22:14 Awaiting Repair	DS	Pol 1 mixer needs replaced.
Mon 2010-03-08 09:51:21 Rejected	MR	removed for repairs from CTS_1
Fri 2010-03-05 10:30:04 Rejected	DS	Cartridge had bad Pol 1 mixer s/n 166 that was previously determined bad by analysis, but missed in repair cycle. Also Pol 0 mixer s/n 144 has noise spikes.
Thu 2010-03-04 10:06:00 In Testing	DS	Cooling down 2010-03-04 1100
Fri 2010-02-19 15:17:06 Awaiting Testing	RG	Entered Temp Sensors, Coax cables, Bias Protection Card, Feed Through Pods, OMWG, Triplers, OMT, Feedhorn, & 51-pin conn. serial numbers. Note Temp Sensor for POL 1 mixer is unknown along with the LO Waveguide Assemblies.
Tue 2010-02-09 14:59:14 Awaiting Testing	NH	Changed both pol 0 and POL1 MXR/PREAMPS
Mon 2010-02-01 11:56:29 Accepted	DS	
Thu 2009-12-17 09:26:56 Awaiting Testing	JE	Replace both mixers
Thu 2009-10-01 09:40:58 Awaiting Testing	JE	On bench in test lab
Tue 2009-09-29 09:20:28 Awaiting Testing	JE	One of lowest noise WCAs: From: Kamaljeet S Saini Sent: Monday, September 28, 2009 Subj: Re: FW: B6 WCA with Lowest LO Noise  John,  I just checked with Eric - there is no good reason why we should de-emphasize the WCAs for which there are no 2D
Tue 2009-09-29 09:11:12 Awaiting Testing	JE	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=022">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=022</a>
<b>022:___/___:025 (Config: 59)</b>		

	Status	By	Notes
	Tue 2010-06-08 11:54:49 Under construction	PW	initial input
	Mon 2010-06-07 10:40:42 Awaiting Cartridge	NH	Initial Data
	Mon 2010-02-01 11:55:12 Accepted	DS	
	Wed 2009-12-09 15:06:41 Awaiting Testing	DS	Replaced Pol 0 Mixer S/N 176 with S/N 175.
	Wed 2009-12-09 15:06:03 Awaiting Testing	DS	
	Mon 2009-11-09 17:33:30 Accepted	JE	Used for warm testing receiver. Do no delete.
	<b>022: ___/___:017 (Config: 58)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022</a>
	Tue 2010-06-08 11:53:59 Under construction	PW	initial input
	Mon 2010-06-07 10:38:08 Accepted	NH	Initial Data
	Mon 2010-02-01 11:54:05 Accepted	DS	
	<b>022: ___/___:010 (Config: 57)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022</a>
	Tue 2010-06-08 11:53:12 Under construction	PW	initial input
	Mon 2010-03-29 17:14:52 Accepted	RG	Feed Through 024 is made up of waveguide windows 069 and 070.
	Mon 2010-02-01 11:52:51 Accepted	DS	
	<b>022: ___/___:010 (Config: 56)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022</a>
	Tue 2010-06-08 11:52:22 Under construction	PW	initial input
	Mon 2010-03-29 17:13:11 Accepted	RG	Feed Through 023 is made up of waveguide windows 065 and 068.
	Tue 2010-03-02 09:02:16 Delivered	MS	turned over to the Broker
	Tue 2010-03-02 08:39:32 Delivered		
	Thu 2010-02-25 15:59:24 Shipped	JE	Mike says this is still on a plane.
	Tue 2010-02-23 05:46:22 Shipped	JE	
	Fri 2010-02-19 09:38:39 Shipped	DS	Picked up by Schenker 2010-02-17 Reference Number CV25-10
	Mon 2010-02-01 11:51:42 Accepted	DS	
	Fri 2010-01-29 17:23:56 Awaiting Shipment	JE	Should be shipped 17 Feb 2010:  From: Shirley Huang [mailto:hyhuang@asiaa.sinica.edu.tw] Sent: Friday, January 29, 2010 1:42 AM To: Joyce A. Ford Cc: Dave Schmitt; John Webber; Joyce A. Ford Subject: Re: TR CV25-10 Shipment ex NRAO NTC to ASIAA, Ta
	Wed 2010-01-27 08:27:41 Awaiting Shipment	JE	TRF signed and forwarded to Webber.

Status	By	Notes
Tue 2010-01-26 10:03:28 Awaiting Shipment	JE	PAI Review Report Posted on EDM, to be shipped to EA-FEIC:  From: Michael Shannon (232 kB) Sent: Tuesday, January 26, 2010 9:29 AM To: Kamaljeet S Saini; John Webber; Gie Han Tan; Pavel Yagoubov; Peet Fourie; Ted Huang (ydhuang@asiaa.sinica.edu.tw)
Wed 2010-01-06 15:10:53 Awaiting Shipment	RG	Updated coax cables, OMWG, Triplers, OMT, Feed Horn, and Warm IF Plate information.
Wed 2010-01-06 14:45:36 Awaiting Shipment	RG	
Wed 2010-01-06 14:35:05 Awaiting Shipment	RG	
Wed 2010-01-06 14:13:41 Awaiting Shipment	RG	
Fri 2009-12-18 11:30:25 Awaiting Shipment	RG	
Fri 2009-12-04 13:36:01 Awaiting Shipment	DS	
<b>022:___/___:010 (Config: 55)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022</a>
Tue 2010-06-08 11:51:27 Under construction	PW	initial input
Sat 2010-03-20 10:05:02 Accepted	RG	Feed Through 064 is made up of waveguide windows 155 and 156.
Mon 2010-02-01 11:50:12 Accepted	DS	
Fri 2009-12-04 13:35:10 Rejected	DS	
<b>022:___/___:010 (Config: 54)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022</a>
Tue 2010-06-08 11:50:14 Under construction	PW	initial input
Sat 2010-03-20 10:04:01 Accepted	RG	Feed Through 063 is made up of waveguide windows 153 and 154.
Fri 2010-01-29 13:34:22 Accepted	DS	
Thu 2009-12-10 08:24:09	NH	
Thu 2009-12-10 08:21:58	NH	
Wed 2009-12-09 16:19:50	NH	
Wed 2009-12-09 15:52:16	NH	
Wed 2009-12-09 14:34:36	NH	
Wed 2009-12-09 11:22:51	NH	
Wed 2009-12-09 11:21:52	NH	
Wed 2009-12-09 11:09:21	NH	
Wed 2009-12-09 09:40:25	DN	
Tue 2009-12-08 15:02:14	NH	
Tue 2009-12-08 15:01:38	NH	
Tue 2009-12-08 14:02:34	NH	
Tue 2009-12-08 14:01:12	NH	

	Status	By	Notes
	Fri 2009-12-04 09:40:26	NH	reentering data
<b>022: ___/___:010 (Config: 53)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=022</a>
	Tue 2010-06-08 09:38:49	PW	initial input
	Sat 2010-03-20 09:40:46	RG	Feed Through 062 is made up of waveguide windows 151 and 152.
	Fri 2010-01-29 13:32:56	DS	
	Thu 2009-12-03 10:15:47	NH	Added OMWG serial numbers
<b>021: ___/___:009 (Config: 52)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=021">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=021</a>
	Tue 2010-06-08 09:37:53	PW	initial input
	Sat 2010-03-20 09:39:39	RG	Feed Through 061 is made up of waveguide windows 150 and 149.
	Fri 2010-01-29 13:30:02	DS	
<b>021: ___/___:009 (Config: 51)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=021">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=021</a>
	Tue 2010-06-08 09:17:45	PW	initial input
	Sat 2010-03-20 09:38:33	RG	Feed Through 061 is made up of waveguide windows 149 and 150.
	Sat 2010-03-20 09:37:43	RG	Feed Through 060 is made up of waveguide windows 147 and 148.
	Fri 2010-01-29 13:28:06	DS	
<b>021: ___/___:009 (Config: 50)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=021">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=021</a>
	Tue 2010-06-08 09:10:17	PW	initial input
	Sat 2010-03-20 09:05:11	RG	Feed Through 060 is made up of waveguide windows 147 and 148.
	Thu 2010-03-11 11:00:48	JE	I checked both mixer-preamps for oscillations and none found. Details on the mixer pages.
	Tue 2010-03-09 09:45:38	DS	
	Tue 2010-03-09 09:42:36	DS	Secured loose connector on back of 300K plate.
	Thu 2010-03-04 10:05:04	DS	Pol 1 USB suck-out around 5.3 GHz.
	Thu 2010-03-04 09:20:35	JE	From: John Effland (206 kB) Sent: Thursday, March 04, 2010 9:19 AM To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu); Michael Shannon cc: mlacasse@nrao.edu Subj: RE: B6.026 Spikes in Spurious Response
		Dave,	
		The spike	
	Wed 2010-03-03 16:23:17	RG	Entered LO Waveguide assy. S/N#
	Wed 2010-03-03 16:17:30	RG	Entered S/N# for temp sensors, coax cables, Bias,OMWG, Triplers, OMT, and Feedhorn.

Status	By	Notes
Tue 2010-03-02 22:13:47 In Testing	JE	From: John Effland (9 kB) Sent: Tuesday, March 02, 2010 10:12 PM To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu cc: Michael Shannon Subj: RE: 6.026 in CTS-2 Patterns and Beam Eff still a Go Thru 215 G
Tue 2010-03-02 22:12:40 In Testing	JE	To: Subject: Sent: Size: Categories: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu RE: 6.026 in CTS-2 Patterns and Beam Eff still a Go Thru 215 GHz Tue 2010-03-02 22:12:09 KB
Tue 2010-03-02 10:51:39 In Testing	DS	
Sun 2010-02-28 19:34:09 In Testing	JE	From: Dave Schmitt [mailto: dschmitt@nrao.edu] (109 kB) Sent: Sunday, February 28, 2010 10:29 AM To: John Effland cc: mlacasse@nrao.edu; 'Michael Reynolds' Subj: RE: 6.025 in CTS1 Patters and Beam Effs  CTS#1 Cart6.025 Fine Spacing Noise Tempera
Fri 2010-02-26 15:36:41 In Testing	DS	
Fri 2010-01-29 13:26:45 Accepted	DS	
Wed 2009-12-02 15:26:16 Awaiting Cartridge	NH	Initial Data  <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=021">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=021</a>
<b>021: ___/___:009 (Config: 49)</b>		
Tue 2010-06-08 09:09:24 Under construction	PW	initial input
Thu 2010-05-20 09:44:56 Accepted	NH	Initial Data
Sat 2010-03-20 09:03:22 Accepted	RG	Feed Through 059 is made up of waveguide windows 139 and 140.
Fri 2010-01-29 13:24:01 Accepted	DS	
Wed 2009-08-12 14:55:20 Awaiting Cartridge	DS	fake entry for testing...
Wed 2009-08-12 14:52:43 Awaiting Testing	DS	
<b>015:110/111:029 (Config: 666) In Cartridge: 006 Pol: 0</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015</a>
Tue 2009-11-17 15:46:28 Awaiting Cartridge	ML	
Tue 2009-11-17 15:46:27	ML	*EDIT* Corrected preamp info. <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015</a>
<b>015: ___/___:029 (Config: 48)</b>		
Tue 2010-06-08 09:08:25 Under construction	PW	initial input
Fri 2010-04-23 12:35:39 Awaiting Cold Testing	MS	To be tested for oscillations.
Thu 2010-04-22 15:45:10 Accepted	RG	The Alma allowable Leak Rate Spec is 2x10 <sup>-6</sup> after 20 minutes.
Fri 2010-03-19 14:47:31 Accepted	RG	Feed Through 058 is made up of waveguide windows 137 and 138.

Status	By	Notes
Thu 2010-03-11 15:55:27 Awaiting Repair	JE	Possible repair, awaiting Skip's decision on oscillations:  From: John Effland (7 kB) Sent: Thursday, March 11, 2010 2:55 PM To: sthacker@nrao.edu Subj: FW: Oscillations in Band 6 Cartridge 025, Ready for Shipment  Skip,  What should we do about
Fri 2010-03-05 10:29:26 Awaiting PAI	DS	Accepted
Wed 2010-03-03 15:41:30 In Testing	RG	Entered S/N# for temp sensors, coax cables, Bias, LO Waveguide, OMWG, Triplers, OMT, and Feedhorn.
Tue 2010-03-02 10:57:44 In Testing	DS	Assigned Warm IF Amp plate.
Mon 2010-03-01 08:34:29 In Testing	JE	From: Dave Schmitt [mailto:dschmitt@nrao.edu] (11 kB) Sent: Monday, March 01, 2010 7:35 AM To: John Effland; mlacasse@nrao.edu cc: 'Michael Reynolds'; Michael Shannon Subj: RE: B6.025 NT Testing in CTS-1 - Premature Stop at 245 GHz, 20:00 Sun 28
Mon 2010-03-01 05:34:25 In Testing	JE	From: John Effland (6 kB) Sent: Monday, March 01, 2010 5:15 AM To: Dave Schmitt (dschmitt@nrao.edu); mlacasse@nrao.edu cc: Michael Reynolds (mreynold@nrao.edu); Michael Shannon Subj: B6.025 NT Testing in CTS-1 - Premature Stop at 245 GHz, 20:00 Su
Sun 2010-02-28 19:33:27 In Testing	JE	From: Dave Schmitt [mailto:dschmitt@nrao.edu] (109 kB) Sent: Sunday, February 28, 2010 10:29 AM To: John Effland cc: mlacasse@nrao.edu; 'Michael Reynolds' Subj: RE: 6.025 in CTS1 Patters and Beam Effs  CTS#1 Cart6.025 Fine Spacing Noise Tempera
Sun 2010-02-28 19:32:56 In Testing	JE	From: John Effland (106 kB) Sent: Sunday, February 28, 2010 7:19 AM To: Dave Schmitt (dschmitt@nrao.edu); mlacasse@nrao.edu; Michael Reynolds (mreynold@nrao.edu) cc: Michael Shannon; Matt Morgan (mmorgan2@nrao.edu) Subj: RE: 6.025 in CTS1 Patters
Sat 2010-02-27 10:02:49 In Testing	JE	From: John Effland (105 kB) Sent: Saturday, February 27, 2010 10:02 AM To: Dave Schmitt (dschmitt@nrao.edu); mlacasse@nrao.edu; Michael Reynolds (mreynold@nrao.edu) cc: Michael Shannon; Matt Morgan (mmorgan2@nrao.edu) Subj: 6.025 in CTS1 Patters a

Status	By	Notes
Thu 2010-02-25 10:06:35 In Testing	DS	Updated mixer serial numbers for testing.
Thu 2010-02-25 09:02:03 In Testing	DS	Testing cycle start.
Sat 2010-02-20 12:03:34 Awaiting Cartridge	JE	Still needs work:  From: Mike Reynolds [mailto: mreynold@nrao.edu] (11 kB) Sent: Saturday, February 20, 2010 11:48 AM To: John Effland cc: Dave Schmitt; Michael Shannon Subj: CTS_1
Fri 2010-01-29 11:19:52 Accepted	DS	John,  After talking to Dave this morning I have started co
Wed 2009-12-02 14:51:03 Awaiting Cartridge <b>015:___/___:029 (Config: 47)</b>	NH	Initial Data  <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015</a>
Wed 2010-06-30 10:48:33 Accepted	DS	Assigned to Cart6.012
Tue 2010-06-08 09:04:50 Under construction	PW	initial input
Fri 2010-04-30 13:18:53 Accepted	DS	
Fri 2010-03-19 14:46:39 Accepted	RG	Feed Through 057 is made up of waveguide windows 135 and 136.
Fri 2010-03-12 10:07:20 Awaiting Testing	JE	From: Matt Morgan [mailto: mmorgan2@nrao.edu] (15 kB) Sent: Thursday, March 11, 2010 11:31 AM To: John Effland cc: Tony Kerr (akerr@NRAO.EDU); Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu; rgroves@nrao.e
Thu 2010-03-11 11:19:19 Awaiting Testing	JE	Mixer 137 has no oscillations, but there is a potential IF oscillation in Mixer 137. Awaiting comments from Morgan and Kerr
Wed 2010-02-03 16:10:05 Awaiting Testing	RG	Entered Coaxial cables, LO Waveguide Assy, OMWG, and Tripler information.
Wed 2010-02-03 15:43:48 Awaiting Testing	RG	Entered Mixer/Preamp, temp. sensors, Bias Protect card, OMT, and Feed Horn information.
Fri 2010-01-29 11:17:58 Accepted	DS	
Wed 2009-12-02 14:09:24 Awaiting Cartridge <b>015:___/___:029 (Config: 46)</b>	NH	Initial Data  <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015</a>
Tue 2010-06-08 08:57:26 Under construction	PW	initial input
Sat 2010-03-20 10:05:56 Accepted	RG	The Alma allowable Leak Rate Spec is 2x10 <sup>-6</sup> after 20 minutes.
Fri 2010-03-19 14:04:41 Accepted	RG	Feed Through 056 is made up of waveguide windows 133 and 134.
Wed 2010-02-03 15:37:18 Awaiting Testing	RG	Entered Coaxial Cables, LO Waveguide Assy. OMWG, Tripler, and Feedhorn.

	Status	By	Notes
	Wed 2010-02-03 15:00:15	Awaiting Testing	RG Entered Mixer/Preamp, Temp Sensors, Bias Protec. cards, OMT, and 51 pin conn. information.
	Fri 2010-01-29 11:16:53	Accepted	DS
<b>015:___/___:024 (Config: 45)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015</a>
	Mon 2010-06-07 16:05:02	Under construction	PW initial entry
	Sat 2010-03-20 10:14:00	Accepted	RG Updated helium Leak Rate
	Sat 2010-03-20 09:42:19	Accepted	RG The Alma allowable Leak Rate Spec is 2x10-6 after 20 minutes.
	Fri 2010-03-19 14:03:20	Accepted	RG Feed Through 055 is made up of waveguide windows 131 and 132.
	Fri 2010-01-29 11:15:27	Accepted	DS
	Fri 2009-12-04 09:38:04	Awaiting Testing	NH trying
	Thu 2009-12-03 10:04:24	Awaiting Cartridge	NH Tried to updata entries
	Thu 2009-12-03 09:22:41	Awaiting Cartridge	NH Added Triplers
	Thu 2009-12-03 08:57:02	Awaiting Testing	NH Added BPBoards and LO Chains
	Wed 2009-12-02 15:13:53	Awaiting Testing	NH Initial Data
	Wed 2009-12-02 13:32:33	Awaiting Cartridge	NH Updated feed through pods
	Wed 2009-12-02 13:22:10	Awaiting Cartridge	NH Initial Data
<b>015:___/___:017 (Config: 44)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015</a>
	Mon 2010-06-07 15:49:25	Under construction	MM initial entry
	Sat 2010-03-20 10:13:34	Accepted	RG Updated helium Leak Rate
	Sat 2010-03-20 09:06:41	Accepted	RG The Alma allowable Leak Rate Spec is 2x10-6 after 20 minutes.
	Fri 2010-03-19 13:37:54	Accepted	RG Feed Through 054 is made up of waveguide windows 129 and 130.
	Fri 2010-01-29 11:13:28	Accepted	DS
	Wed 2009-12-02 13:29:21	Awaiting Cartridge	NH Updated Feed Through Pods
	Wed 2009-12-02 13:19:55	Awaiting Cartridge	NH Initial data
<b>015:___/___:006 (Config: 43)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015</a>
	Mon 2010-06-07 15:48:05	Under construction	MM initial entry
	Thu 2010-03-25 10:33:52	Accepted	DS Paired with CCA 6.019
	Sat 2010-03-20 10:12:27	Accepted	RG Updated helium Leak Rate
	Fri 2010-03-19 14:48:40	Accepted	RG The Alma allowable Leak Rate Spec is 2x10-6 after 20 minutes.
	Fri 2010-03-19 13:36:42	Accepted	RG Feed Through 053 is made up of waveguide windows 127 and 128.
	Tue 2010-03-16 11:13:57	Accepted	DS Paired with CCA 6.014
	Fri 2010-01-29 11:11:17	Accepted	DS
	Mon 2009-12-07 12:36:44	Rejected	DS Pol 0 Mixer 176 low IR rejection at low end of band, and Mixer junction currents vary by up to 20 uA.



	Status	By	Notes
	Mon 2009-12-07 12:33:11	Awaiting Testing	DS Pol 0 an 1 Mixer assemblies replaced.Gain slope issues.
	Thu 2009-11-19 12:16:53	Awaiting Testing	ML Added mixer-preamp info.
	Mon 2009-08-10 14:36:08	Awaiting Testing	DS
<b>015:___/___:006 (Config: 42)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015</a>
	Mon 2010-06-07 15:45:53	Under construction	MM initial entry
	Sat 2010-03-20 10:11:08	Accepted	RG Updated helium Leak Rate
	Fri 2010-03-19 14:05:49	Accepted	RG The Alma allowable Leak Rate Spec is 2x10-6 after 20 minutes.
	Mon 2010-03-15 16:19:58	Accepted	RG Feed Through 014 is made up of waveguide windows 049 and 050.
	Wed 2010-01-13 09:51:05	Accepted	DS Shipped to EU-FEIC on 2010-01-13
	Wed 2010-01-06 08:28:10	In Testing	NH added omt and feed numbers
	Wed 2009-12-09 12:48:42	In Testing	DS
	Mon 2009-12-07 13:05:19	Awaiting Testing	DS Replaced Mixer Pol 1 S/N 141 with S/N 179.
	Mon 2009-12-07 12:40:21	Awaiting Testing	DS Pol 0 mixer changed for IR problems as seen on MTS.
	Thu 2009-11-19 12:16:27	Awaiting Testing	ML Added mixer-preamp info.
<b>015:___/___:006 (Config: 41)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015</a>
	Thu 2010-05-20 09:53:55	Accepted	NH Serial Number entries reanalyzing data 5/20/2010
	Sat 2010-03-20 10:09:35	Accepted	RG Updated helium Leak Rate
	Fri 2010-03-19 13:44:30	Accepted	RG The Alma allowable Leak Rate Spec is 2x10-6 after 20 minutes.
	Mon 2010-03-15 16:17:42	Accepted	RG Feed Through 013 is made up of waveguide windows 047 and 048.
	Tue 2010-01-26 11:45:43	Delivered	MS
	Wed 2010-01-13 09:49:31	Awaiting Shipment	DS Shipped to EU-FEIC on 2010-01-13.
	Tue 2010-01-12 08:26:15	Awaiting Shipment	JE Webber signed the TRF.
	Mon 2010-01-11 16:16:33	Awaiting Shipment	JE From: John Effland (170 kB) Sent: Monday, January 11, 2010 4:16 PM To: jwebber@nrao.edu cc: Dave Schmitt (dschmitt@nrao.edu) Subj: FW: TRF for Cart 6.018 for shipment to Eu FEIC
			John,
			Please sign this TRF for B6.018, which is going to the Eu
	Mon 2010-01-11 10:37:22	Awaiting Shipment	JE

Status	By	Notes
Mon 2010-01-11 10:36:51 Awaiting Testing	JE All RFW's docs approved:	<p>From: Kamaljeet S Saini [mailto: ksaini@nrao.edu] (1,618 kB)            Sent: Monday, January 11, 2010 8:54 AM            To: Michael Shannon            cc: John Effland            Subj: Band 6 cold cartridge SN-18 - signed documents</p> <p>Mike,            Please post these i</p>
Fri 2010-01-08 14:11:52 Awaiting Shipment	RG Entered all sub assembly info for cart. #018 and entered all serial numbers for cart #018 into database.	
Fri 2010-01-08 09:24:42 Awaiting Testing	JE cccc	
Fri 2009-12-04 13:33:41 Awaiting Shipment	DS	
Tue 2009-12-01 17:12:23 Awaiting Testing	JE John,	<p>Yes, 2 dB pads on Pol 0 USB and LSB</p> <p>I'm working on adding all of the Warm IF plates to the data base, haven't got this one in yet.</p> <p>Dave</p>
Thu 2009-11-19 12:15:39 Awaiting Testing <b>015:___/___:006 (Config: 40)</b>	ML Added mixer-preamp info.	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015</a>
Thu 2010-05-20 09:46:51 Accepted	NH Inital data	
Tue 2010-03-16 11:12:32 Accepted	DS Paired with CCA 6.021	
Tue 2010-03-09 16:11:01 Accepted	RG Feed Through 042 is made up of waveguide windows 109 and 101.	
Thu 2010-03-04 11:00:44 Accepted	DS Mated to CCA 6.017	
Fri 2010-02-19 14:40:38 Accepted	RG The Alma allowable Leak Rate Spec is 2x10-7 after 20 minutes.	
Mon 2009-12-28 15:16:17 Awaiting Testing	DS	
Thu 2009-11-19 12:15:21 Awaiting Testing <b>015:___/___:006 (Config: 39)</b>	ML Added mixer-preamp info.	<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015</a>
Thu 2010-05-20 09:52:30 Accepted	NH Serial Number entries	
Mon 2010-05-17 13:07:21 Accepted	NH Initial Entry	
Fri 2010-03-19 10:19:13 Awaiting Testing	NH Replaced Pol 0 MXR/Preamp	
Wed 2010-03-10 15:05:55 Awaiting Repair	DS Placed in storage cabinet	

Status	By	Notes
Tue 2010-03-09 17:02:18 Awaiting Repair	JE	From: John Effland (241 kB) Sent: Tuesday, March 09, 2010 5:02 PM To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu; Matt Morgan (mmorgan2@nrao.edu); Tony Kerr (akerr@NRAO.EDU); Michael Shannon Subj: Some O
Tue 2010-03-09 16:10:06 Accepted	RG	Feed Through 041 is made up of waveguide windows 105 and 100.
Tue 2010-03-09 16:04:07 Rejected	DS	Oscillation remains in Pol 0 Mixer/Preamp assembly.
Tue 2010-03-09 15:59:20 In Testing	JE	From: John Effland (40 kB) Sent: Tuesday, March 09, 2010 3:58 PM To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu) cc: Michael Shannon; mlacasse@nrao.edu; Matt Morgan (mmorgan2@nrao.edu) Subj: Oscillation Still Present for
Tue 2010-03-09 09:43:43 In Testing	DS	Undergoing noise temperature testing with Pol 0 LNA2 Stage 1 bias drain voltage set to 3.0V
Mon 2010-03-08 12:43:38 In Testing	DS	From: John Effland [mailto:jeffland@nrao.edu] Sent: Monday, March 08, 2010 12:39 PM To: Dave Schmitt (dschmitt@nrao.edu) Cc: Matt Morgan (mmorgan2@nrao.edu); Tony Kerr (akerr@NRAO.EDU); Michael Shannon; mlacasse@nrao.edu Subject: Notes on Mixer-Pream
Mon 2010-03-08 08:41:54 In Testing	JE	From: John Effland (9 kB) Sent: Monday, March 08, 2010 8:41 AM To: 'mreynold@nrao.edu'; 'Dave Schmitt'; mlacasse@nrao.edu cc: Michael Shannon Subj: Beam Patterns for B6.016 in CTS-2: All okay  Beam efficiencies, squint, and cross-pol all meet s
Sat 2010-03-06 06:22:57 In Testing	JE	From: John Effland (10 kB) Sent: Saturday, March 06, 2010 6:21 AM To: 'Dave Schmitt'; djtop23@yahoo.com; Michael Reynolds (mreynold@nrao.edu) cc: 'Michael Reynolds' Subj: RE: CTS#2 B6.016  Mike,  Ignoring the 3 or so spikes in the data, the no
Fri 2010-03-05 10:28:35 In Testing	DS	Cooling down 2010-03-05
Tue 2010-02-16 16:08:07 Awaiting Testing	RG	Entered the serial numbers for the Coax Cables, Bias Protection cards, Feed Through Pods, LO waveguide Assy, Triplers, OMT, and 51 Pin Connector.
Tue 2010-02-16 15:20:31 Awaiting Testing	RG	Entered serial numbers for Temp. sensors, OMWG, and feedhorn

	Status	By	Notes
	Thu 2010-01-07 13:22:48	Awaiting Testing	DS Updated mixer/preamp serial numbers after physical inspection of cartridge.
	Thu 2010-01-07 13:21:49	Awaiting Testing	DS
	Wed 2010-01-06 13:57:00	Awaiting Testing	MJL
	Mon 2009-12-28 15:13:39	Awaiting Testing	DS
	Thu 2009-12-17 14:12:54	Awaiting Testing	DN test
	Thu 2009-12-17 09:25:22	Awaiting Testing	JE Replace Pol 1 mixer, and remove oshima waveguide if there is taill any installed.
	Thu 2009-11-19 12:14:43	Awaiting Testing	ML Added mixer-preamp info.
	Fri 2009-08-07 15:47:15	Awaiting Testing	DS fake entry for testing
	Fri 2009-08-07 10:08:52	Awaiting Testing	NH
<b>015:___/___:006 (Config: 38)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=015</a>
	Thu 2010-05-20 09:51:34	Accepted	NH Serial Number entries
	Mon 2010-05-17 13:06:55	Accepted	NH Initial Entry
	Fri 2010-02-26 17:56:14	Delivered	MJL updated info for Temperature Sensors and Triplers
	Fri 2010-02-26 11:42:51	Shipped	DS Deliver to NA-FEIC
	Fri 2010-02-19 15:56:31	Accepted	RG Feed Through 029 is made up of waveguide windows 070 and 080.
	Tue 2010-01-05 14:38:28	Delivered	MS
	Mon 2009-12-28 15:53:46	Shipped	DS Picked up be Schenker 2009-12-17
	Mon 2009-12-28 15:39:47	Awaiting Shipment	JE From: John Effland (10 kB) Sent: Monday, December 28, 2009 3:39 PM To: Shirley Huang; Richard Sakshaug cc: Michael Shannon; dschmitt@nrao.edu Subj: RE: Band 6 Cartridge B6-015 Shipment.
			Hi Shirley,
			We have received authorization to ship Band
	Mon 2009-12-28 15:11:28	Awaiting Testing	DS
	Mon 2009-12-14 11:14:36	Awaiting Shipment	DS Cartridge is awaiting shipment to EA-FEIC
	Sat 2009-12-12 11:53:45	Accepted	RG Initial Data
	Fri 2009-12-04 13:29:34	Awaiting Shipment	JE Dave confirmed that B6.015 is still in cabinet.
	Thu 2009-11-19 12:14:22	Awaiting Testing	ML Added mixer-preamp info.
	Mon 2009-11-09 16:35:14	Awaiting Testing	JE Location and status from Saini:
			<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a>

015:___/___:006 (Config: 37)	Status	By	Notes
			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=015">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=015</a>
Thu 2010-05-20 09:49:37	Accepted	NH	Serial Number entries
Mon 2010-05-17 13:06:20	Accepted	NH	Initial Entry
Fri 2010-04-02 11:12:25	Awaiting Repair	DS	Fails coarse noise testing. Pol 1 receiver noise temperature jumps 50 K at mid-band. Warming up.
Thu 2010-04-01 16:34:07	In Testing	MS	Installed in CTS 2
Thu 2010-03-25 15:02:45	Accepted	DS	
Wed 2010-03-24 10:27:28	Awaiting Testing	DS	Found Pol 1 Magnet coil heat strap not tied down to 4K plate. Attached to 4K plate.
Thu 2010-03-18 09:25:52	Awaiting Repair	DS	
Thu 2010-03-18 09:06:38	Awaiting Repair	DS	Removed from CTS#1 for repair.
Wed 2010-03-17 14:55:24	Awaiting Repair	DS	In addition to magnet coil problems noise temperatures climbed out of spec. at high end both Pol 0 Pol 1.
Wed 2010-03-17 11:33:52	In Testing	MR	Pol 1 mixer failed magnet V/I cold during NT test in CTS_1. Warm up started
Tue 2010-03-16 11:24:56	In Testing	DS	Paired with Warm IF Amp. Assy. 6.0235
Tue 2010-03-16 08:58:11	In Testing	DS	Pumping down 2010-03-16
Thu 2010-03-11 15:54:07	Awaiting Testing	JE	Mixer data checked for oscillation and none found. Details on mixer pages.
Thu 2010-03-11 12:45:07	Awaiting Testing	DS	Ready for testing; IN1A network mixers have been replaced.
Fri 2010-02-19 16:06:29	Awaiting Repair	RG	Entered Serial numbers for Coax Cables, Bias Protection Cards, Feed Through Pods, LO Waveguide Assy, OMWG, and Triplers.
Fri 2010-02-19 15:55:25	Accepted	RG	Feed Through 028 is made up of waveguide windows 077 and 078.
Fri 2010-02-19 15:34:45	Awaiting Repair	RG	Entered Temperature Sensor Serial Numbers.
Tue 2010-01-05 08:33:56	Awaiting Repair	NH	added omt and feedhorn serial numbers
Tue 2010-01-05 07:53:51	Awaiting Repair	NH	Replaced both mixers/preamps
Mon 2010-01-04 11:11:06	Awaiting Repair	JE	Need to replaced both mixers:
			From: Dave Schmitt [mailto:dschmitt@nrao.edu] (11 kB) Sent: Thursday, December 31, 2009 1:14 PM To: nhorner@nrao.edu cc: Michael Shannon; John Effland Subj: Rework Cartridge 6.014
			Neil,
			Please add the follow
Mon 2009-12-28 15:09:34	Awaiting Testing	DS	
Mon 2009-12-28 15:07:49	Awaiting Testing	DS	
Wed 2009-12-02 15:30:46	Awaiting Cartridge	NH	Changed 51 pin connector serial number

	Status	By	Notes
	Wed 2009-12-02 15:19:30	Awaiting Cartridge	NH Initial Data
	Thu 2009-11-19 12:13:00	Awaiting Testing	ML Added mixer-preamp info.
	Thu 2009-10-01 09:47:17	Awaiting Testing	JE
	Thu 2009-10-01 09:39:34	Awaiting Testing	JE On bench in CTS lab
<b>014:___/___:005 (Config: 36)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014</a>
	Mon 2010-05-17 13:04:12	Accepted	NH Initial Data
	Thu 2010-04-15 14:48:41	Accepted	DS Updated cable S/N's
	Fri 2010-02-19 14:35:22	Accepted	RG Feed Through 034 is made up of waveguide windows 089 and 090.
	Mon 2009-12-28 15:05:21	Awaiting Testing	DS
	Fri 2009-12-18 10:17:52	Awaiting Testing	NH updating numbers
	Wed 2009-12-02 14:41:55	Accepted	NH Initial Data
	Thu 2009-11-19 12:11:17	Awaiting Testing	ML Added mixer-preamp info.
	Tue 2009-11-10 07:41:44	Shipped	DS Shipped to EU-FEIC with CCA 6.011 on 2009-11-10.
	Mon 2009-11-09 16:33:46	Awaiting Testing	JE Location and status from Saini:
			<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a>
	Tue 2009-09-29 09:26:50		JE Noise: 30 K/uW From: Kamaljeet S Saini Sent: Monday, September 28, 2009 Subj: Re: FW: B6 WCA with Lowest LO Noise
			John,
			I just checked with Eric - there is no good reason why we should de-emphasize the WCAs for which there are no 2D noise plots
<b>014:___/___:005 (Config: 35)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014</a>
	Tue 2010-04-27 14:29:08	Accepted	NH Initial Data Entry
	Tue 2010-04-06 12:53:43	Accepted	DS Updated Cable S/N
	Fri 2010-02-19 14:31:14	Accepted	RG Feed Through 033 is made up of waveguide windows 087 and 088.
	Fri 2010-01-08 08:52:03	Awaiting Testing	MJL updated temperature sensor information
	Tue 2010-01-05 14:37:21	Delivered	MS
	Mon 2009-12-28 14:59:00	Awaiting Testing	DS
	Wed 2009-12-02 14:45:37	Accepted	NH Updated the leak
	Wed 2009-12-02 14:04:57	Accepted	NH Initial Data


	Status	By	Notes
	Thu 2009-11-19 12:02:34	Awaiting Testing	ML Added mixer-preamp info.
	Mon 2009-11-09 17:34:30	Accepted	JE Test source 1.
<b>014: ___/___:005 (Config: 34)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014</a>
	Mon 2010-04-26 17:43:45	Accepted	DS P/O CCA 6.014
	Fri 2010-04-23 16:13:33	Delivered	JE Mike R just physically delivered this cartridge to the FEIC (we had been holding it for them):  I have delivered cold cartridges 6.008,6.016 & 6.023. WCA 6.018 that goes with cold cartridge 6.008 was also delivered to NA_FEIC.
	Wed 2010-04-14 15:02:29	Under construction	JE Database entries made to show this cartridge.
	Wed 2010-04-07 14:33:38	Accepted	DS Updated cable s/n.
	Tue 2010-02-16 15:40:23	Accepted	RG Feed Through 032 is made up of waveguide windows 085 and 086.
	Tue 2010-01-05 14:36:23	Delivered	MS
	Tue 2010-01-05 14:26:47	Shipped	
	Mon 2009-12-28 14:56:55	Awaiting Testing	DS
	Fri 2009-12-04 13:31:30	Awaiting Shipment	DS
	Thu 2009-12-03 11:21:20		JE WG Subassembly entry form broken, but rework report shows these sub assemblies still contain Custom adapters that might corrode.
	Thu 2009-12-03 11:16:01		JE Changed Feedhorn to 301 based on rework report: \\cvfiler\cv-cdl-sis\Cartridge\Production\Status.xls
	Wed 2009-12-02 11:24:41	Accepted	NH Initial Data
	Mon 2009-11-16 09:31:27		JE
	Mon 2009-11-09 16:24:57	Shipped	JE Saini reports this is in Chile as part of FE # 1:  <a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a> <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014</a>
<b>014: ___/___:005 (Config: 33)</b>			
	Wed 2010-07-07 08:28:51	Delivered	JE X-Pol waiver approved by CCB on 06 July 2010 - refer to the minutes of the CCB meeting (http://wikis.alma.cl/bin/view/CCB/WebHome). See http://jira.alma.cl/browse/FERFW-62
	Fri 2010-04-02 11:02:44	Accepted	DS Updated cable S/N's
	Fri 2010-04-02 10:57:44	Accepted	DS Updated Cable S/N's
	Fri 2010-03-26 14:18:25	Awaiting Testing	DN
	Wed 2010-02-24 11:23:57	Delivered	MJL adding tripler info
	Wed 2010-02-24 10:57:49	Delivered	MJL adding temperature sensor information
	Tue 2010-02-16 15:39:06	Accepted	RG Feed Through 031 is made up of waveguide windows 083 and 084.
	Tue 2010-01-05 14:38:00	Delivered	MS
	Mon 2009-12-28 14:54:41	Awaiting Testing	DS

Status	By	Notes
Wed 2009-12-02 15:09:50 Accepted	NH	Updated the 51 pin connector Serial number
Wed 2009-12-02 15:05:23 Accepted	NH	Updated the Feed through pod numbers
Wed 2009-12-02 10:38:24 Accepted	NH	Initial entry
Wed 2009-11-18 17:28:52 Shipped	ML	Updated the mixer-preamp info.
Tue 2009-11-17 13:10:07 Shipped	JE	<p>From: Michael Shannon (233 kB)  Sent: Tuesday, November 17, 2009 1:06 PM  To: Mark Harman  cc: John Effland  Subj: Band 6 Cartridge B6-011 and WCA</p> <p>Mark</p> <p>The Cold Cartridge and WCA arrived in England and were turned over to your Broker.</p> <p>Best r</p>
Tue 2009-11-10 16:48:19 Shipped <b>014:___/___:005 (Config: 32)</b>	JE	<p>Truck just showed up for shipping  <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=014">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=014</a></p>
Fri 2010-01-08 13:16:24 Accepted	RG	Feed Through 036 is made up of waveguide windows 093 and 094.
Mon 2009-12-28 14:50:18 Awaiting Testing	DS	
Wed 2009-12-02 15:23:04 Awaiting Cartridge	NH	Initial Data
Fri 2009-11-20 12:56:55 Awaiting Retest	DS	testing
Wed 2009-11-18 17:30:06 Rejected	ML	Updated the mixer-preamp info.
Tue 2009-11-10 16:51:10 Rejected	JE	<p>From: Dave Schmitt [mailto:dschmitt@nrao.edu] (11 kB)  Sent: Tuesday, November 10, 2009 4:50 PM  To: nhorner@nrao.edu  cc: John Effland; 'Michael Reynolds'; Michael Shannon  Subj: Cart 6.024</p> <p>Neil,</p> <p>Please replace the OMT and feed horn in Cartrid</p>
Mon 2009-11-09 10:47:56 Rejected	JE	Amplitude stability measured with just warm IF plate shows acceptable results, although overall cartridge measurement is out of spec.



Status	By	Notes
Sun 2009-11-08 06:04:31 Rejected	JE From: John Effland (111 kB) Sent: Sunday, November 08, 2009 5:48 AM To: 'Dave Schmitt'; 'Michael Reynolds' cc: Michael Shannon; mlacasse@nrao.edu Subj: RE: Bad X-Pol for B6-024!	
	Dave,	
	The final cross-pol data is shown below, and x-pol recover	
<b>014:___/___:005 (Config: 31)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=014">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=014</a>
Fri 2010-01-08 13:15:20 Accepted	RG Feed Through 035 is made up of waveguide windows 091 and 092.	
Mon 2009-12-28 14:47:27 Awaiting Testing	DS	
Fri 2009-12-04 10:44:18 Awaiting Testing	NH changed typo 019 to 109	
Wed 2009-12-02 15:10:43 Awaiting Testing	NH	
Fri 2009-11-20 12:50:59 Awaiting Retest	DS testing again	
<b>014:___/___:005 (Config: 30)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=014">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreamphome.php?id=014</a>
Thu 2010-01-07 10:44:04 Accepted	RG Feed Through 038 is made up of waveguide windows 097 and 108.	
Mon 2009-12-28 14:30:40 Awaiting Testing	DS	
Wed 2009-12-23 11:44:32 Accepted	DS This is a golden sample WCW	
Wed 2009-12-02 14:48:04 Awaiting Cartridge	NH Initial data	
Fri 2009-11-20 12:50:43 Awaiting Retest	DS testing again	
Fri 2009-11-20 12:44:15 Awaiting Retest	DS test	
Fri 2009-11-20 11:05:47 Awaiting Retest	DS test	
Mon 2009-11-09 16:06:31 Awaiting Cartridge	JE Saini reports this is with Band 6 Cartridge group:	
	<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a>	
Tue 2009-09-29 09:21:53	JE Noise: 20K/uW: From: Kamaljeet S Saini Sent: Monday, September 28, 2009 Subj: Re: FW: B6 WCA with Lowest LO Noise	
	John,	
	I just checked with Eric - there is no good reason why we should de-emphasize the WCAs for which there are no 2D noise plots	

Status	By	Notes
Fri 2009-08-14 09:49:58	JE	this has more output power than the others. From Mark Nichols 2009-07-31: 1. WCA6-004 has significantly more power than the more recent WCAs. Although they all meet spec, why is that one different? We did not replace the PA which contains the APH417B c
<b>014: ___/___:005 (Config: 29)</b> <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014</a>		
Thu 2010-01-07 10:42:34 Accepted	RG	Feed Through 037 is made up of waveguide windows 095 and 096.
Mon 2009-12-28 14:28:14 Awaiting Testing	DS	
Wed 2009-12-02 14:06:55 Awaiting Cartridge	NH	Initial Data
Thu 2009-11-19 15:31:03 Awaiting Testing	ML	testing
<b>014: ___/___:005 (Config: 28)</b> <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014</a>		
Tue 2010-03-02 10:33:56 Accepted	DS	
Wed 2010-01-06 14:26:42 Accepted	RG	Feed Through 040 is made up of waveguide windows 099 and 106.
Mon 2009-12-28 14:03:06 Awaiting Testing	DS	
Wed 2009-12-02 13:13:51 Under construction	NH	Initial Data
Thu 2009-11-19 15:23:29 Awaiting Testing	ML	testing
<b>014: ___/___:005 (Config: 27)</b> <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014</a>		
Wed 2010-01-06 14:24:09 Accepted	RG	Feed Through 039 is made up of waveguide windows 098 and 107.
Mon 2009-12-28 10:39:52 Awaiting Testing	DS	
Mon 2009-12-28 10:39:28 Awaiting Testing	DS	
Mon 2009-12-28 10:22:27 Awaiting Testing	DS	
Wed 2009-12-02 10:42:59 Awaiting Cartridge	NH	Initial Data Currently under construction
Thu 2009-11-19 12:07:54 Awaiting Testing	ML	Initial entry.
Mon 2009-11-09 16:29:59 Shipped	JE	Saini reports this is in EA as part of EaFEIC#2
<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a>		
<b>014: ___/___:005 (Config: 26)</b> <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014</a>		
Thu 2010-03-04 12:53:06 Accepted	RG	Updatated Test Data Link
Thu 2010-01-07 14:09:17 Accepted	RG	The Alma allowable Leak Rate Spec is 2x10 <sup>-7</sup> after 20 minutes.
Tue 2009-12-15 09:33:21 Accepted	DS	
Sat 2009-12-12 11:21:25 Accepted	RG	Feed Through 026 is made up of waveguide windows 073 and 074.
Thu 2009-11-19 12:11:01 Awaiting Testing	ML	Initial entry.
Thu 2009-11-19 12:07:35 Awaiting Testing	ML	Initial entry.
<b>014: ___/___:005 (Config: 25)</b> <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=014</a>		

Status	By	Notes
Tue 2010-05-04 13:56:56 Awaiting Repair	JE	From Lambeth:  I managed to extract the section of the blown mixer chip with the junctions. I see nothing obvious to prove it is operator error outside of the Band 6 group. ...  From Effland:  Inspection of the junctions under the microscope by Ke
Mon 2010-05-03 15:41:14 Awaiting Repair	DS	Returned under warranty by the NA-FEIC. Verified failure of Pol 0 mixer 2 only drawing 20uA should be 100uA at room temperature. Possibly 3 blown junctions, Pol 0 mixer/preamp needs replaced.
Fri 2010-04-23 14:39:26 Delivered	JE	I confirmed by looking at the FEIC data that the Pol0 Mixer-2 died. JIRA report is here: <a href="http://jira.alma.cl/browse/FENCR-124">http://jira.alma.cl/browse/FENCR-124</a>
Thu 2010-03-25 09:39:49 Delivered	JE	From: John Effland (57 kB) Sent: Thursday, March 25, 2010 9:39 AM To: 'Anthony Kerr' cc: Matt Morgan (mmorgan2@nrao.edu); Michael Shannon; Dave Schmitt (dschmitt@nrao.edu); mlambeth@nrao.edu Subj: RE: Bad Mixer in Band 6.013 at NA FEIC  Tony, 
Wed 2010-03-24 10:09:54 Delivered	JE	NA FEIC reports high noise temps and unbalanced mixer currents:  From: John Effland (10 kB) Sent: Wednesday, March 24, 2010 10:09 AM To: 'Morgan McLeod'; Charles Cunningham cc: Dave Schmitt (dschmitt@nrao.edu); Skip Thacker; Erik Gaines; Michael
Thu 2010-02-04 14:14:40 Delivered	MR	Charles Cunningham picked up the cartridge for the NA-FEIC.
Tue 2010-01-26 11:46:58 Delivered	MS	
Fri 2010-01-08 13:18:15 Accepted	RG	The Alma allowable Leak Rate Spec is 2x10 <sup>-7</sup> after 20 minutes.
Sat 2009-12-12 14:28:19 Awaiting Shipment	RG	
Sat 2009-12-12 14:26:06 Awaiting Shipment	RG	
Sat 2009-12-12 14:20:58 Awaiting Shipment	RG	
Sat 2009-12-12 14:14:39 Awaiting Shipment	RG	
Sat 2009-12-12 14:10:14 Awaiting Shipment	RG	
Sat 2009-12-12 14:06:05 Awaiting Shipment	RG	
Sat 2009-12-12 14:00:28 Awaiting Shipment	RG	
Sat 2009-12-12 13:38:53 Awaiting Shipment	RG	

Status	By	Notes
Sat 2009-12-12 13:26:28 Awaiting Shipment	RG	
Sat 2009-12-12 11:19:37 Accepted	RG	Feed Through 025 is made up of waveguide windows 071 and 072.
Fri 2009-12-11 13:45:41 Awaiting Shipment	JE	Pads: 3 dB to USB and 2 dB to LSB  From: Dave Schmitt [mailto:dschmitt@nrao.edu] (37 kB) Sent: Tuesday, November 10, 2009 1:55 PM To: John Effland; mlacasse@nrao.edu cc: Michael Shannon; rgroves@nrao.edu Subj: RE: B6-013 - Add 2 dB Pads to out
Thu 2009-12-10 10:25:03 Awaiting Testing	DS	
Thu 2009-12-10 10:23:02 Awaiting Testing	DS	
Fri 2009-12-04 13:32:59 Awaiting Shipment	DS	
Thu 2009-11-19 12:10:51 Awaiting Testing	ML	Initial entry.
Thu 2009-11-19 12:07:19 Awaiting Testing	ML	Initial entry.
Wed 2009-11-18 17:29:32 Awaiting Testing	ML	Updated the mixer-preamp info.
Tue 2009-11-10 14:03:26 Awaiting Testing	JE	3 dB output pad added to both SBs on Pol 0, and 2 dB to both on Pol 1
Tue 2009-11-10 13:22:43 Awaiting Testing	JE	Need to add 2 dB pads to Pol 0 USB and LSB outputs.
Mon 2009-11-09 08:34:36 Awaiting Testing	JE	From: Dave Schmitt [mailto:dschmitt@nrao.edu] (10 kB) Sent: Sunday, November 08, 2009 9:20 AM To: John Effland cc: 'Michael Reynolds'; Michael Shannon Subj: FYI  Cart 6.013 is in the CTS and is pumping and cooling down. Testing should resume 20 <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013</a>
<b>013:194/283:108 (Config: 613)</b>		
Wed 2010-03-31 10:39:09 Awaiting Repair	RG	Unusable due to metric mounting holes.
Wed 2009-09-23 11:30:28 Awaiting Cold Testing	RG	
<b>013:194/283:___ (Config: 24)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013</a>
Sun 2010-03-21 10:14:02 Awaiting Repair	DS	Removed from CTS awaiting replacement of feed horn and OMT
Fri 2010-03-19 14:11:28 Rejected	DS	
Fri 2010-03-19 09:37:38 Rejected	JE	Summary beam params are in test data link. Beam plots are at \\cvfiler\cv-cdl-sis\CartTstData\Cart6.007productionTSTdata\CartB6.007BeamPatterns.pdf
Fri 2010-03-19 07:44:00 Rejected	DS	Fails cross pol at low end in 11-12 dB range around 215. Warming up.
Thu 2010-03-18 16:22:08 In Testing	DS	Re-nulled at 230GHz and restarting patterns at 230GHz to check low end.

Status	By	Notes
Thu 2010-03-18 15:57:06 In Testing	JE From: John Effland (86 kB)	<p>Sent: Thursday, March 18, 2010 3:56 PM            To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu)            cc: mlacasse@nrao.edu            Subj: RE: Patterns for B6.007 - Measured data No Good</p> <p>Cross-pol at 230 GHz doesn'</p>
Thu 2010-03-18 09:53:21 In Testing	JE From: John Effland (41 kB)	<p>Sent: Thursday, March 18, 2010 9:52 AM            To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu)            cc: mlacasse@nrao.edu            Subj: Patterns for B6.007 - Measured data okay</p> <p>Patterns for B6.007, measured from</p>
Tue 2010-03-16 12:29:10 In Testing	JE From: John Effland (10 kB)	<p>Sent: Tuesday, March 16, 2010 12:29 PM            To: Dave Schmitt (dschmitt@nrao.edu)            cc: Michael Reynolds (mreynold@nrao.edu); Michael Shannon; mlacasse@nrao.edu            Subj: Raised Sections in Noise Temps for B6.007</p> <p>Dave,</p> <p>The st</p>
Mon 2010-03-15 16:21:16 In Testing	RG	<p>Updated serial numbers for subassemblies of Temp sensors, Feed Through, Triplers, OMT, &amp; Feedhorn.            Beam Patterns being measured.</p>
Sat 2010-03-13 11:54:44 In Testing	JE From: John Effland (8 kB)	<p>Sent: Saturday, March 13, 2010 7:29 AM            To: Michael Reynolds (mreynold@nrao.edu); Dave Schmitt (dschmitt@nrao.edu); mlacasse@nrao.edu;            Michael Shannon            Subj: Noise Temps for B6.007 in CTS-2 Stopped Early at 2010-03-12 22:26</p> <p>☒</p>
Fri 2010-03-12 10:52:25 In Testing	DS	<p>Assigned Warm IF Plate</p>
Fri 2010-03-12 08:27:12 In Testing	JE	<p>No spikes in high-end noise tests:</p> <p>From: John Effland (8 kB)            Sent: Friday, March 12, 2010 8:26 AM            To: Dave Schmitt (dschmitt@nrao.edu); Michael Reynolds (mreynold@nrao.edu); mlacasse@nrao.edu;            rgroves@nrao.edu            cc: Michael Shannon            Subj: No Spike</p>

Status	By	Notes
Thu 2010-03-11 18:11:05 In Testing	JE	From: John Effland (74 kB) Sent: Thursday, March 11, 2010 6:09 PM To: 'Dave Schmitt' cc: 'Michael Reynolds'; Michael Shannon Subj: RE: Oscillation Check for Cart B6.007 Pol 1 Mixer 181  Pol 1 mixer 181 installed in B6.007 showed strong oscillati
Thu 2010-03-11 10:32:04 In Testing	JE	Mixer 181 shows oscillations in its MTS noise temps (see link). Fine noise temps in progress.
Wed 2010-03-10 15:06:40 In Testing	DS	Installed and pumping down in CTS#2
Thu 2009-12-17 16:15:08 Awaiting Testing	NH	DC tested 12/17/2009
Thu 2009-12-17 13:32:21 Awaiting Repair	NH	feedthrough pods default number
Thu 2009-12-17 11:07:06 Awaiting Repair	NH	updated dual 51 serial number
Thu 2009-12-17 10:41:45 Awaiting Testing	NH	updating/replacing mixers/preamps, hybrids, 2db pads, 4K IF cables,and coils.
Wed 2009-12-02 15:04:08 Accepted	NH	Initial Data
Thu 2009-11-19 12:10:37 Awaiting Testing	ML	Initial entry.
Thu 2009-11-19 12:07:04 Awaiting Testing	ML	Initial entry.
Wed 2009-11-18 17:27:41 Awaiting Testing	ML	Updated the mixer-preamp info.
Wed 2009-10-28 16:44:27 Awaiting Testing	DS	testing
Wed 2009-09-23 11:12:11 Awaiting Hybrid and Cables	ML	*R&D* Investigating the effect of the old IN1 interstage tuning network on low-end IF performance.
Wed 2009-09-23 11:05:19 Awaiting Repair	ML	IN1 interstage tuning network.
<b>013:___/___:008 (Config: 23)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013</a>
Tue 2010-01-05 14:35:54 Delivered	MS	
Wed 2009-12-02 15:01:04 Accepted	NH	Initial Data
Thu 2009-11-19 12:10:28 Awaiting Testing	ML	Initial entry.
Thu 2009-11-19 12:06:50 Awaiting Testing	ML	Initial entry.
Wed 2009-11-18 15:34:41 Shipped	ML	Updated info. for Feed Through Pods, Cold cartridge body and 51 pin connector.
Tue 2009-11-17 17:13:38 Shipped	ML	Delivered to NA-FEIC. Data entered by MJL
Wed 2009-10-28 15:21:34 Awaiting Testing	DS	fake entry
<b>013:___/___:008 (Config: 22)</b>		<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013</a>
Wed 2010-03-10 16:02:01 Accepted	NH	Data link added using IE
Wed 2010-03-10 14:51:46 Accepted	NH	Tried to add link again
Wed 2010-03-10 14:48:37 Accepted	NH	Added link to data
Tue 2010-01-05 14:36:48 Delivered	MS	

	Status	By	Notes
	Wed 2009-12-02 14:38:47 Accepted	NH	Initial Data
	Thu 2009-11-19 12:10:15 Awaiting Testing	ML	Initial entry.
	Thu 2009-11-19 12:06:41 Awaiting Testing	ML	Initial entry.
<b>013:___/___:008 (Config: 21)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013</a>
	Mon 2010-07-05 11:31:09 Operational	MJL	one more minor mod to software
	Mon 2010-07-05 11:30:27 Operational	MJL	Major software change requiring new config #
	Fri 2010-02-19 15:58:25 Accepted	RG	The Alma allowable Leak Rate Spec is $2 \times 10^{-7}$ after 20 minutes.
	Tue 2010-01-05 14:33:23 Delivered	MS	
	Wed 2009-12-02 14:37:23 Accepted	NH	Initial Data
	Thu 2009-11-19 12:10:07 Awaiting Testing	ML	Initial entry.
	Thu 2009-11-19 12:05:58 Awaiting Testing	ML	Initial entry.
<b>013:___/___:008 (Config: 20)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013</a>
	Mon 2010-03-29 17:29:20 Accepted	RG	The Alma allowable Leak Rate Spec is $2 \times 10^{-6}$ after 20 minutes.
	Tue 2010-01-05 14:34:32 Delivered	MS	
	Tue 2010-01-05 14:31:19 Shipped	MS	
	Tue 2010-01-05 14:30:00 Shipped	MS	
	Fri 2009-12-04 11:14:08 Awaiting Testing	DS	
	Fri 2009-12-04 11:10:16 Awaiting Testing	DS	
	Wed 2009-12-02 14:01:50 Accepted	NH	Initial Data
	Thu 2009-11-19 12:09:58 Awaiting Testing	ML	Initial entry.
	Thu 2009-11-19 12:04:23 Awaiting Testing	ML	Initial entry.
	Wed 2009-11-18 17:24:21	ML	Updated the mixer-preamp info.
<b>013:___/___:008 (Config: 19)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013</a>
	Wed 2009-12-02 14:01:50 Accepted	NH	Initial Data
	Thu 2009-11-19 12:09:18 Awaiting Testing	ML	Initial entry.
<b>013:___/___:008 (Config: 18)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013</a>
	Fri 2009-12-11 10:47:27 Accepted	DS	
	Wed 2009-12-02 13:59:45 Accepted	NH	Initial Data
	Tue 2009-11-24 11:57:30 Accepted	DS	Part of CCA 6.013
	Tue 2009-11-24 11:50:13 Accepted	DS	3 dB pads on Pol 0 USB/LSB amplifier outputs. 2 dB pads on PI 1 USB/LSB amplifier outputs.
	Thu 2009-11-19 12:02:17 Awaiting Testing	ML	Initial entry.
	Thu 2009-11-19 12:01:27 Awaiting Testing	ML	Initial entry.

	Status	By	Notes
<b>013:___/___:008 (Config: 17)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013</a>
Tue 2010-01-05 14:34:48	Delivered	MS	
Wed 2009-12-02 11:23:27	Accepted	NH	Initial Data
Tue 2009-11-24 14:27:57	Accepted	DS	3 dB pads on output of Pol 0 USB/LSB amplifier.
Wed 2009-11-18 16:09:10	Awaiting Testing	DS	3 dB Pad on outputs of Amp 0 and 1.
Wed 2009-11-18 15:34:01	Accepted	DS	For Cold Cartridge #008
Tue 2009-11-17 17:07:26	Shipped	ML	added by MJL. Missing lots of info.
Tue 2009-11-10 10:45:19	Shipped	JE	Saini reports this is NA FEIC.
Mon 2009-11-09 15:28:09		JE	.
Mon 2009-11-09 13:53:14		JE	From: John Effland (13 kB) Sent: Monday, November 09, 2009 1:52 PM To: 'Morgan McLeod'; Antonio Perfetto (aperfett@NRAO.EDU); ksaini@nrao.edu; gediss@nrao.edu; jwebber@nrao.edu cc: Michael Shannon; Dave Schmitt (dschmitt@nrao.edu); Matt Morgan (mmo

<b>013:___/___:008 (Config: 16)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=013</a>
Tue 2010-01-05 14:35:09	Delivered	MS	
Tue 2010-01-05 14:31:55	Shipped	MS	
Tue 2009-11-17 17:01:29	Shipped	ML	entered by MJL. Entered before database differentiates between in/out cables. Note SN#33 appears twice.
Fri 2009-11-13 14:24:26	Accepted	NH	For Cold Cartridge #008
Fri 2009-11-13 14:05:36	Accepted	DS	The Alma allowable Leak Rate Spec is $2 \times 10^{-7}$ after 20 minutes.

<b>012:021/022:002 (Config: 15) In Cartridge: 002 Pol: 1</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=012">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=012</a>
Tue 2010-06-22 15:55:06	Operational	DN	Software Test again
Wed 2009-12-02 11:21:53	Accepted	NH	Initial data
Wed 2009-12-02 11:19:30	Accepted	NH	Initial data
Mon 2009-11-30 10:24:02	Accepted	DS	
Thu 2009-11-19 12:03:57	Awaiting Testing	ML	Initial entry.
Fri 2009-11-13 13:28:12	Accepted	DS	The warm IF plate is constructed with pre-tested amplifiers and cables.
Tue 2009-11-10 16:47:57	Awaiting Testing	JE	Added by me to get cart record.
Tue 2009-11-10 16:47:29	Awaiting Testing	JE	Added by my to get cart record.

<b>012:___/___:___ (Config: 14)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=012">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=012</a>
Tue 2010-06-22 15:52:36	Operational	DN	Software Test
Wed 2010-01-06 14:32:38	Accepted	RG	The Alma allowable Leak Rate Spec is $2 \times 10^{-7}$ after 20 minutes.
Wed 2009-12-02 10:36:50	Accepted	NH	Initial data



	Status	By	Notes
	Sun 2009-11-08 06:06:54	Rejected	JE .
	Sun 2009-11-08 06:05:47	Rejected	JE X-pol at 271 GHz only 11.5 dB
	Sun 2009-11-08 06:03:56	Awaiting Testing	JE New
	Sun 2009-11-08 06:01:24	Awaiting Testing	JE New
<b>011:014/018:001 (Config: 13)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=011">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=011</a>
	Tue 2010-06-22 15:52:09	Operational	DN Software Test
	Wed 2009-12-02 10:31:35	Accepted	NH Initial data
	Wed 2009-10-21 17:12:30	Awaiting Retest	DS testing
	Fri 2009-08-14 11:53:35	Awaiting Cartridge	DS Fake entry
	Mon 2009-05-04 16:36:06		ML
	Mon 2009-05-04 16:22:39		ML
	Mon 2009-05-04 16:21:26	Awaiting Cold Testing	ML Record added by dnagaraj
	Thu 2008-11-20 12:35:01		Lengthened ribbon cables on preamps.
	Fri 2005-03-18 16:24:25		ML dnagaraj modified TimeStamp
	Thu 2004-03-18 16:26:33		ML dnagarj modified Time Stamp
<b>011:___/___:001 (Config: 12)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=011">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=011</a>
	Tue 2010-06-22 15:53:47	Operational	DN Software Test again
	Tue 2010-06-22 15:51:39	Operational	DN software test
	Wed 2009-10-21 17:06:47	Awaiting Repair	DS testing once more
	Wed 2009-10-21 17:02:25	Awaiting Cartridge	DS fake entry for testing
	Mon 2009-08-03 16:00:21	Awaiting Retest	RG testing
	Thu 2008-11-20 12:34:51		Installed matching circuit IN2
<b>011:___/___:___ (Config: 11)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=011">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=011</a>
	Mon 2010-07-05 11:27:35	Operational	MJL Debugged software v6.1
	Tue 2010-06-22 15:51:03	Operational	DN Software Test
	Mon 2009-11-09 16:05:26	Shipped	JE Saini reports this is being used at ATF:
			<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a>
	Tue 2009-10-20 15:22:11	Awaiting Repair	CL test
	Mon 2009-08-03 15:51:50	Awaiting Retest	RG testing once more
	Thu 2008-11-20 12:35:14		Used in prototype cartridge
<b>003:___/___:___ (Config: 10)</b>			<a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=003">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=003</a>

Status	By	Notes
Tue 2010-06-29 12:44:37 Operational	DS	Updated spare cold head information.
Tue 2010-06-22 15:48:47 Operational	DN	Software test
Wed 2010-06-02 11:58:46	DS	Arrived; needs configured.
Thu 2010-05-13 10:12:56	DS	On Order
Mon 2009-11-09 16:28:13 Shipped	JE	Saini reports this is "gold standard" in EuFEIC as part of EuFEIC2
<b>002: ___/___:___ (Config: 9)</b>	RG	<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a> testing once more <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=002">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=002</a>
Wed 2010-06-02 11:57:54	DS	Arrived; needs configured.
Thu 2010-05-13 10:12:32	DS	On Order
Mon 2009-08-03 15:51:13 Awaiting Retest	RG	testing thats all
Mon 2009-08-03 15:38:43 Awaiting Retest	RG	testing once more <a href="http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=001">http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=001</a>
<b>001: ___/___:___ (Config: 8)</b>	DS	Arrived; needs configured.
Wed 2010-06-02 11:58:19	DS	On Order
Thu 2010-05-13 10:13:11	ML	testing - fake entry
Thu 2009-11-19 15:41:30 Awaiting Cartridge	JE	Saini reports this is being used by phtonics group:
Mon 2009-11-09 16:04:07 Shipped	<a href="http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/">http://edm.alma.cl/forums/alma/dispatch.cgi/iptfedocs/showFolder/105584/</a>	RG
Mon 2009-08-03 15:38:14 Awaiting Testing	RG	testing again
Mon 2009-08-03 15:37:15 Awaiting Testing	ML	fake entry for testing:dnagaraj