

Status, Mixers not in Cartridges, Sorted by Mixer SN

Mxr Assy:	Time Stamp	Notes	By	Status
197:273:323:	Wed 2010-05-12 10:44:55	Integrated with preamps, ready for testing. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=197	ML	Awaiting Hybrid and Cables
196:286:287:528	Sun 2010-05-16 16:10:05	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 http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=196	RG	Awaiting Repair
195:256:258:528	Thu 2010-05-20 08:59:37	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 http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=195	RG	Awaiting Repair
193:308:318:	Fri 2010-05-21 11:04:14	Integrated with preamps, ready for testing. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=193	ML	Awaiting Hybrid and Cables
192:309:270:	Fri 2010-05-21 11:01:51	Integrated with preamps, ready for testing. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=192	ML	Awaiting Hybrid and Cables
191:311:312:526	Tue 2010-05-25 15:15:03	Test #2 http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=191	RG	Awaiting Cold Testing
186:169:317:521	Thu 2010-03-04 11:09:32	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. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=186		Awaiting Repair
183:209:301:527	Mon 2010-04-05 14:40:23	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 http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=183	RG	Awaiting Repair
182:183:278:525	Thu 2010-04-01 18:21:44	Awaiting new lids http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=182	RG	Awaiting Cold Testing

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178:232:261:	Tue 2010-05-25 08:43:23	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. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=178	RG	Awaiting Repair
170:266:271:503	Wed 2010-03-31 10:40:58	http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=170	RG	Awaiting Repair
169:216:252:71	Wed 2010-03-31 10:40:08	http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=169	RG	Awaiting Repair
168:272:277:055	Thu 2010-02-18 15:55:45	Integrated with preamps, ready for testing. First W15 mixer-preamp evaluation test. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=168	ML	Awaiting Hybrid and Cables
165:227:147:528	Thu 2010-05-13 08:23:47	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. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=165	RG	Awaiting Cold Testing
158:236:239:507	Wed 2010-03-31 10:42:48	http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=158	RG	Awaiting Retest
151:189:196:114	Sat 2009-12-05 08:03:21	Updated Hisogram to new 1.9 xlsx version, which accounts for gain slope. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=151	RG	Awaiting Cartridge
148:207:213:52	Wed 2010-03-31 10:42:35	http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=148	RG	Awaiting Repair
147:197:203:	Fri 2010-05-21 11:05:16	Replaced the second stage in preamp after trying to double bond the drains. Retest at will. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=147	ML	Awaiting Hybrid and Cables
144:222:223:517	Tue 2010-02-23 17:18:52	Matt Morgan has reviewed and approved this as acceptable. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=144	RG	Awaiting Cartridge
141:306:316:520	Wed 2010-03-31 10:37:48	http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=141	RG	Awaiting Repair
138:154:182:055	Thu 2010-02-18 15:52:37	Integrated with preamps, ready for testing. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=138	ML	Awaiting Hybrid and Cables
136:186:212:513	Wed 2010-03-31 10:39:48	http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=136	RG	Awaiting Repair
130:159:160:	Fri 2010-05-21 11:09:32	Integrated with preamps, ready for testing. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=130	ML	Awaiting Hybrid and Cables
126:177:242:87	Wed 2010-03-31 10:40:30	http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=126	RG	Awaiting Repair

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120:178:179:030	Thu 2010-04-08 15:28:27	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. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=120	RG	Awaiting Repair
114:038:045:513	Mon 2010-02-08 09:57:08	Being returned to UofA 2/8/2010 http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=114	RG	Outside Sale/Loan
112:210:215:526	Tue 2010-05-25 09:38:41	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 http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=112	RG	Awaiting Repair
108:226:280:	Thu 2010-04-08 13:02:28	Full absorber installed in preamp lids, ready for retest. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=108	ML	Awaiting Cold Testing
106:292:302:516	Tue 2010-04-27 14:02:57	Ralph, 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. I don't think we can use this mixer. ☐ http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=106	JE	Awaiting Repair
026:255:257:	Thu 2010-05-13 11:46:21	Integrated with new set of 040-1st stage preamps, ready for testing. http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=26	ML	Awaiting Hybrid and Cables
013:194:283:108	Wed 2010-03-31 10:39:09	http://www.cv.nrao.edu/php%2Dinternal/ntc/Tasks3/Config/MxrPreampHome.php?id=13	RG	Awaiting Repair