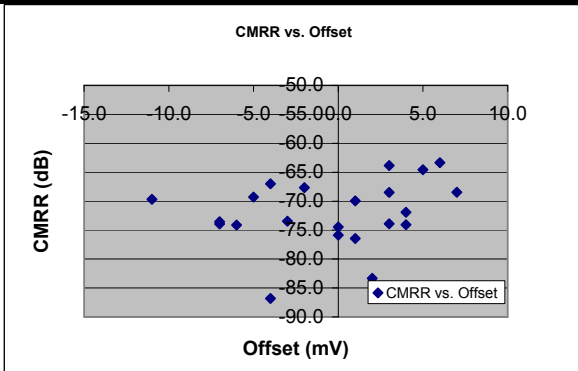


EM4 Noise

Target settings:																	
Base T	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	77	77	77	77
Vs, gain, C	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Vdd (V)	3.850	3.600	3.500	3.300	2.800	2.500	2.300	3.200	1.750	4.000	4.200	5.100	2.400	2.300	2.200	3.500	
Vss (V)	-1.550	-1.500	-1.450	-1.300	-1.200	-1.000	-1.200	-0.900	-1.400	-1.600	-1.100	-0.800	-1.300	-1.200	-1.000	-0.700	
Idd (mA)	1.280	1.273	1.220	1.143	1.066	0.924	1.047	0.889	1.148	1.348	1.044	0.877	1.147	1.087	0.967	0.818	
Iss (mA)	1.280	1.233	1.220	1.105	1.031	0.891	1.016	0.851	1.121	1.304	0.999	0.827	1.112	1.052	0.932	0.774	
Vh (V)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Pjfet (mW)	6.912	6.390	6.039	5.170	4.194	3.176	3.610	3.567	3.574	7.426	5.414	5.027	4.179	3.743	3.038	3.341	
Pheat (mW)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Ptotal (mW)	6.912	6.390	6.039	5.170	4.194	3.176	3.610	3.567	3.574	7.426	5.414	5.027	4.179	3.743	3.038	3.341	

As recorded:																
Vdd (V)	3.850	3.600	3.500	3.300	2.800	2.500	2.300	3.200	1.750	4.000	4.200	5.100	2.400	2.300	2.200	3.500
Vss (V)	-1.550	-1.500	-1.450	-1.300	-1.200	-1.000	-1.200	-0.900	-1.400	-1.600	-1.100	-0.800	-1.300	-1.200	-1.000	-0.700
Idd (mA)	1.310	1.274	1.240	1.144	1.067	0.960	1.047	0.889	1.149	1.345	1.044	0.878	1.147	1.087	0.967	0.818
Iss (mA)	1.270	1.234	1.200	1.106	1.032	0.893	1.016	0.851	1.122	1.302	0.999	0.827	1.112	1.052	0.932	0.774
Vh (V)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pjfet (mW)	6.966	6.395	6.039	5.175	4.198	3.243	3.610	3.567	3.577	7.412	5.414	5.030	4.179	3.743	3.038	3.341
Pheat (mW)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ptotal (mW)	6.966	6.395	6.039	5.175	4.198	3.243	3.610	3.567	3.577	7.412	5.414	5.030	4.179	3.743	3.038	3.341

Ch. 1	-74.5	-74.7	-74.7	-74.5	-75.0	-78.6	-80.7	-78.1	-72.8	-74.2	-74.2	-74.6	-78.7	-80.3	-81.2	-75.8
Ch. 2	-74.0	-73.2	-72.5	-71.6	-72.1	-77.6	-75.5	-73.9	-74.5	-74.8	-70.5	-68.2	-70.2	-69.2	-67.7	-67.7
Ch. 3	-76.5	-76.9	-77.3	-79.1	-74.4	-74.0	-74.7	-78.7	-74.7	-75.8	-83.0	-78.2	-75.1	-76.4	-80.1	-78.7
Ch. 4	-86.8	-83.9	-79.5	-74.8	-72.5	-76.6	-79.7	-75.1	-78.4	-86.5	-74.0	-67.8	-83.4	-79.8	-72.3	-66.4
Ch. 5	-63.4	-63.1	-62.9	-62.3	-61.9	-62.2	-62.8	-61.0	-65.1	-63.6	-62.1	-61.3	-62.9	-62.5	-61.8	-60.9
Ch. 6	-67.0	-66.2	-65.6	-63.8	-63.3	-65.1	-64.9	-61.9	-65.0	-67.8	-62.9	-60.5	-64.9	-63.9	-62.0	-60.6
Ch. 7	-74.1	-74.7	-75.0	-75.5	-75.2	-75.9	-74.6	-77.2	-72.2	-73.7	-76.1	-77.0	-74.5	-76.0	-77.1	-79.0
Ch. 8	-68.5	-67.9	-67.5	-66.4	-65.5	-67.3	-67.8	-64.6	-79.8	-68.9	-65.4	-63.2	-67.5	-66.9	-65.4	-62.9
Ch. 9																
Ch. 10	-63.8	-63.6	-63.6	-63.3	-62.0	-60.7	-60.3	-62.3	-57.6	-64.1	-64.0	-64.2	-61.0	-60.7	-60.4	-63.2
Ch. 11	-70.0	-69.4	-69.3	-68.1	-68.3	-67.9	-67.6	-68.4	-62.0	-70.4	-69.3	-69.2	-67.9	-67.4	-66.8	-69.0
Ch. 12	-74.1	-73.8	-73.5	-72.1	-70.1	-65.7	-68.3	-66.6	-69.2	-74.4	-70.8	-67.4	-73.0	-72.2	-70.0	-66.0
Ch. 13	-75.9	-75.2	-74.7	-73.2	-71.9	-70.7	-72.8	-70.6	-69.6	-76.1	-72.6	-70.3	-74.7	-75.4	-74.3	-70.0
Ch. 14	-73.5	-74.1	-74.2	-74.7	-75.6	-75.6	-76.4	-74.2	-72.0	-73.1	-73.2	-72.0	-74.2	-74.3	-74.0	-71.4
Ch. 15	-71.9	-71.3	-70.8	-69.8	-68.5	-66.9	-68.9	-67.8	-60.8	-72.4	-70.2	-69.5	-71.7	-72.2	-72.0	-68.8
Ch. 16	-73.9	-72.9	-72.2	-70.4	-69.4	-69.8	-69.7	-68.3	-72.4	-75.0	-70.0	-68.4	-69.6	-68.7	-67.2	-67.5
Ch. 17	-68.5	-68.3	-68.0	-67.6	-67.1	-67.5	-67.2	-66.8	-68.4	-69.0	-67.4	-66.7	-67.0	-66.3	-65.6	-66.5
Ch. 18	-64.6	-64.4	-64.4	-63.7	-62.7	-61.6	-62.5	-62.0	-63.3	-64.7	-63.6	-63.3	-63.9	-63.7	-63.4	-63.6
Ch. 19	-69.7	-70.0	-70.2	-71.2	-70.3	-69.6	-67.3	-71.9	-65.2	-69.3	-74.7	-82.6	-67.5	-67.9	-69.9	-82.5
Ch. 20	-69.3	-68.8	-68.7	-68.1	-66.8	-65.6	-64.7	-67.6	-61.6	-69.4	-69.9	-71.4	-65.6	-65.3	-65.1	-70.1
Ch. 21	-73.6	-74.2	-74.8	-76.2	-75.2	-75.3	-71.6	-71.9	-66.9	-72.8	-77.2	-75.1	-70.4	-70.9	-72.3	-75.6
Ch. 22																
Ch. 23	-67.7	-67.4	-67.1	-66.2	-66.1	-66.2	-66.8	-65.0	-65.9	-67.9	-65.8	-64.7	-66.9	-66.5	-65.5	-64.7
Ch. 24	-83.3	-81.9	-80.4	-70.2	-74.4	-77.5	-76.8	-79.4	-69.0	-83.5	-77.4	-72.0	-80.4	-79.2	-73.5	-77.2



Restrictions for ESA:
 This technical data is export controlled under U.S. law and is being transferred by JPL to ESA for use exclusively on the Herschel SPIRE project. The information may not be used for any other purposes, and shall not be re-transferred or disclosed to any other party without the prior written approval of NASA.

Restrictions for PPARC:
 This technical data is export controlled under U.S. law and is being transferred by JPL to PPARC pursuant to the NASA / PPARC Letter of Agreement which entered into force on December 2, 1999. This technical data is transferred to PPARC for use exclusively on the NASA/PPARC SPIRE on FIRST cooperative project, may not be used for any other purpose, and shall not be re-transferred or disclosed to any other party without the prior written approval of NASA.