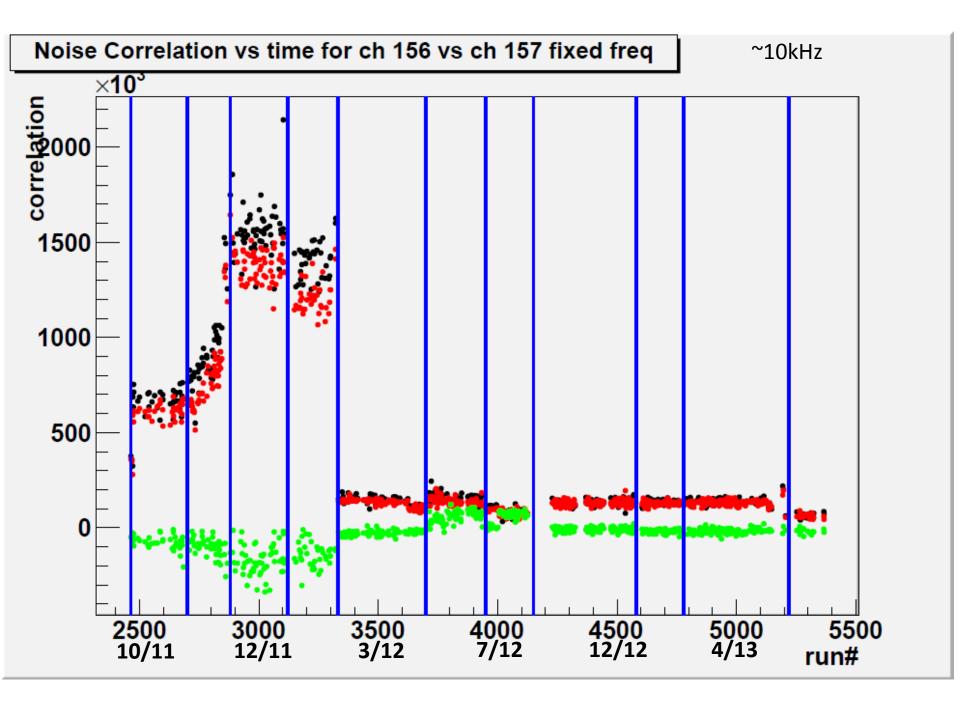
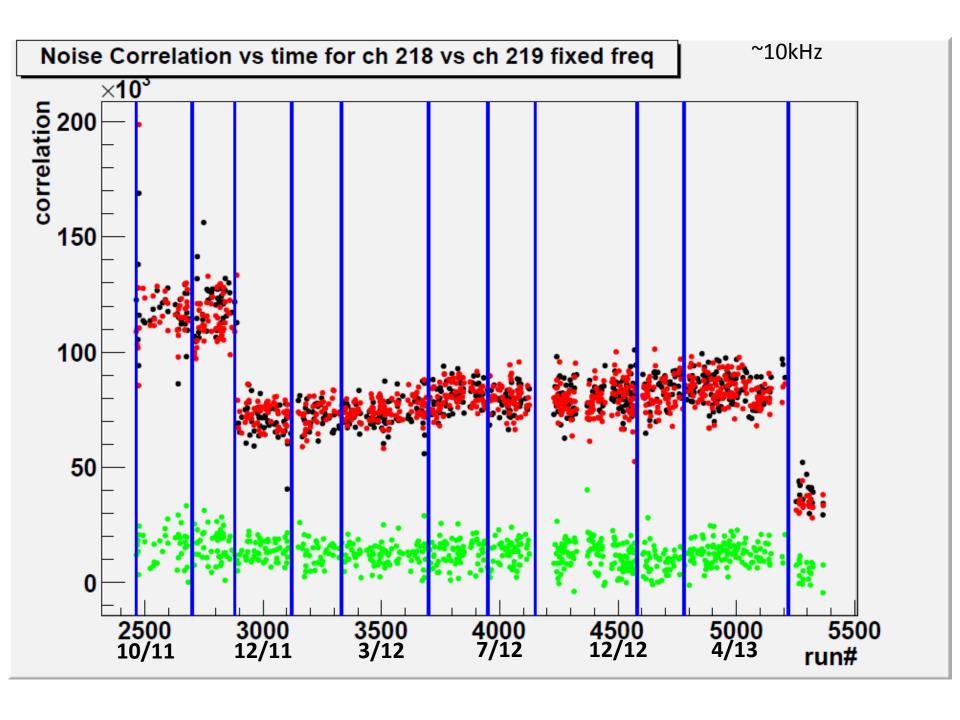
Noise Correlations

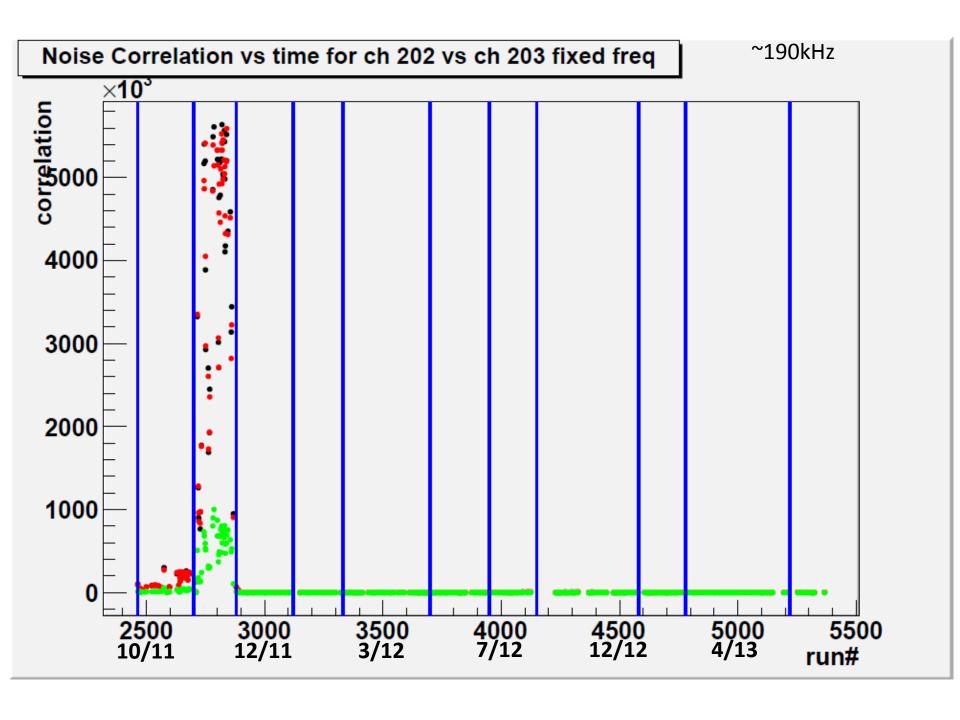
- Expected values for Noise Correlations between APD channels
 - <N_i N_j>(f)
- Calculate using solicited triggers for low background runs
- Try and define regions where matrix is constant
 - Avoid tons of noise files floating around

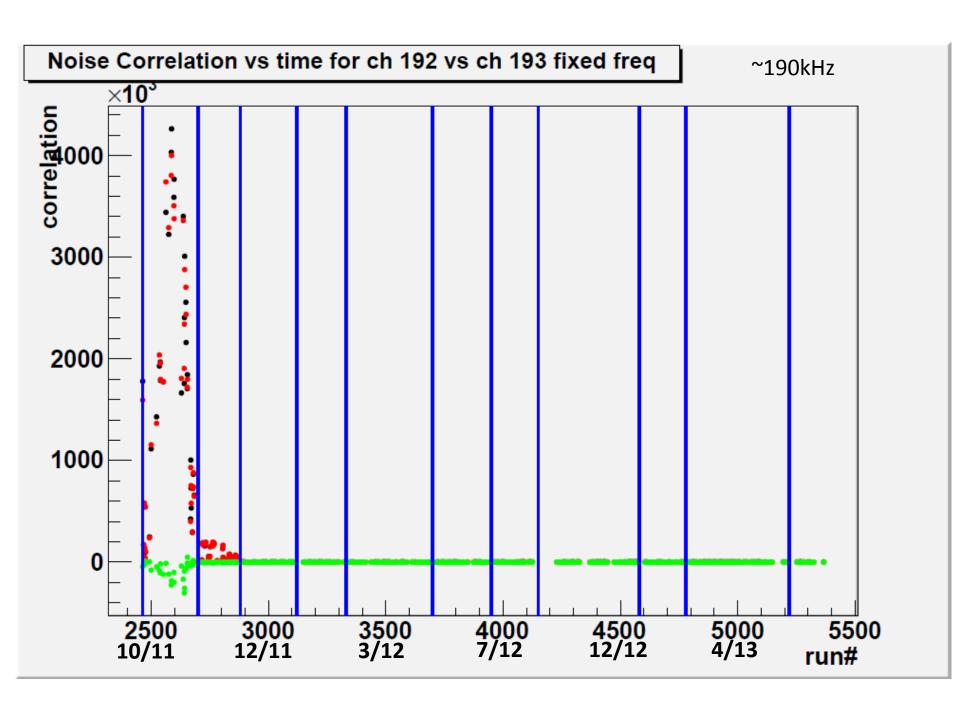
Cuts and Possible Causes

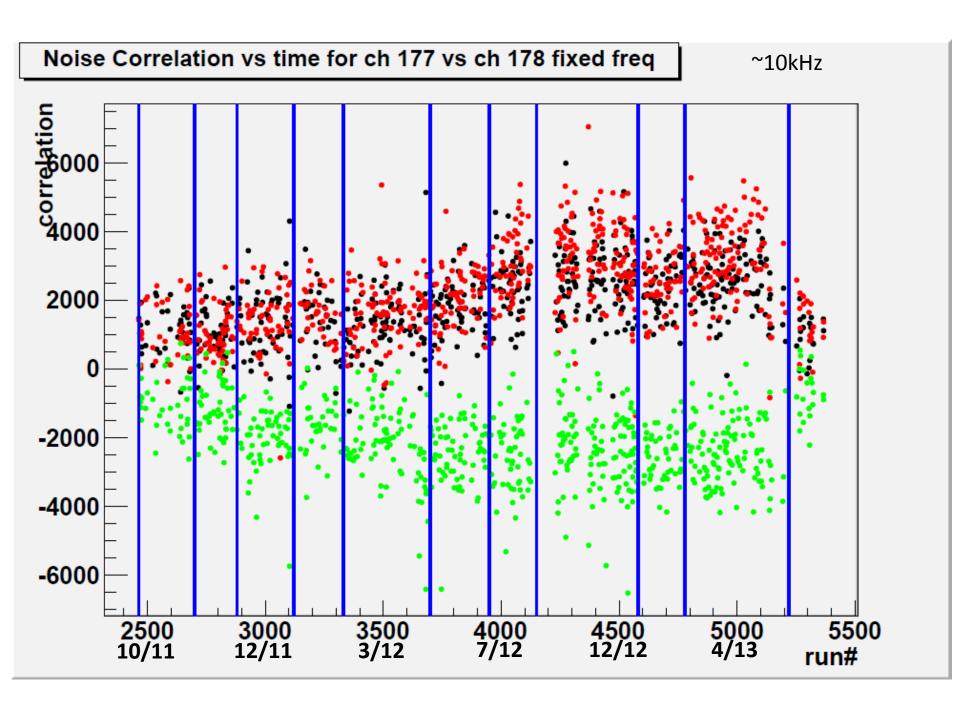
Run# cut	Cut date	Potential Cause	Comments
2700	11/3/2011	FEC PS Restart	
2880	12/1/2012	Ebox Fan1 or Fan2	different for TPC1 and TPC2
2000	12/1/2012	LOOK FULL OF FULL	differential if e1 and if e2
3120	1/19/2012	???	
3330	2/23/2012	APD01-APD09	might have cut too early??
	- 4 4		
3700	5/10/2012	Util Power Outage	
3950	7/12/2012	Util Power Outage	
4150	9/2/2012	APD 09 Restarted	
4580	12/24/2012	Ventillation On/Off	
	2/22/22/2	222	
4780	2/20/2013	???	
5200	6/7/2013	New APD boards?	



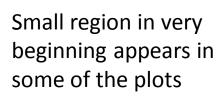


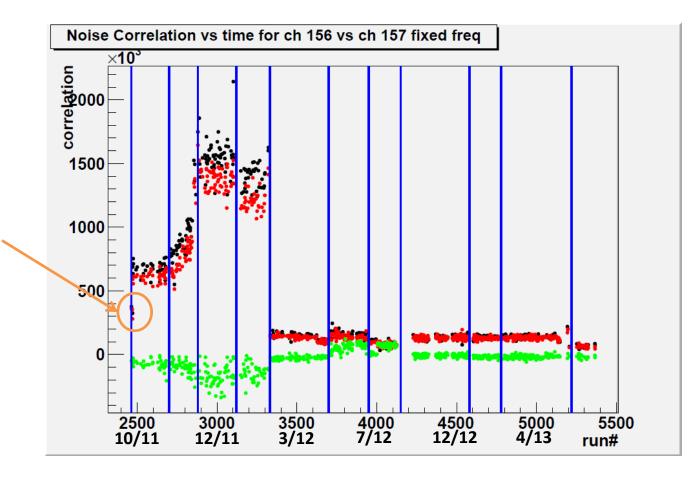




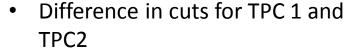


Improvements

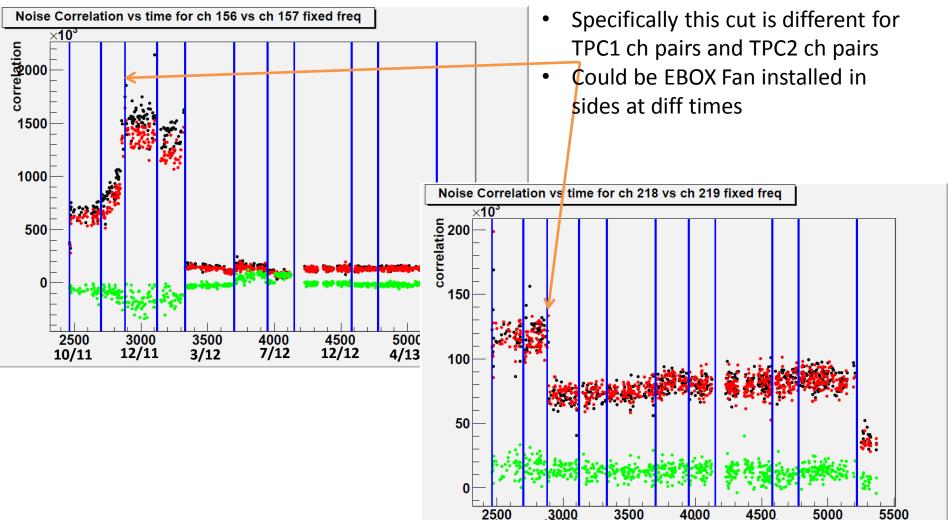




Improvements



run#



Improvements

- High Frequencies have huge correlations early on at the 190kHz bin
- Power supply that was changed????

