TKR ASIC Review Questions/Action Items

Spieler:	Comparator kick-back “Distortion of S-curves at low signal levels”
Virmani:	Yield on ASIC on the outside of wafer
Spieler:	Do many channel pulsing with ladder
Spieler:	More Fibbing ($300/ASIC), maybe on good ones?
Spieler:	extract noise slopes from occupancy (see below)
	Redo threshold scans in reverse order
	Do occupancy with full DAQ, instead just the trigger OR
	3 trays both, 2 one side equipped middle of January from INFN
Spieler:	Clock requirements? Lower clock frequency
All:	yield, schedule, run options of GTFE and GTFC
Hartmut	TKR ASICs are not on the approved parts list,
	Is there a difference to status of the CAL ASICs?
All	What are the procurement requirements (needed docs etc)?

I took the noise occupancy data Robert showed and calculated the noise sigmas from the slope of the curves. The average for F is 1580e, for G is 1475e. On the other hand the S curves give very different numbers for F (about 2000).

Q1	Q2	n1	n2		Noise sigma		
1.3	0.75	1.00E+05	10	2.47E-01	1.53E+03	Average	Noise For G
1.36	0.57	1.00E+06	1	2.35E-01	1.45E+03	F22	
1.58	0.62	1.00E+06	1	2.76E-01	1.71E+03	F21	
1.47	0.59	1.00E+06	1	2.56E-01	1.58E+03	F3	1579
1.46	0.72	1.00E+06	1	2.42E-01	1.49E+03	G2, G0	
1.39	0.65	1.00E+06	1	2.34E-01	1.44E+03	G1	1475