Inverting Input Scale (HPD Inputs)

Normal Mode			
Range (Exponent)	Input Charge	FADC Codes	Gain (q/Lsb)
0	-1 fC --- 14 fC	0---14	1 fC/bin
0	14 fC --- 28 fC	15---21	2 fC/bin
0	28 fC --- 40 fC	22---25	3 fC/bin
0	40 fC --- 52 fC	26---28	4 fC/bin
0	52 fC --- 67 fC	29---31	5 fC/bin
1	57 fC --- 132 fC	0---14	5 fC/bin
1	132 fC --- 202 fC	15---21	10 fC/bin
1	202 fC --- 262 fC	22---25	15 fC/bin
1	262 fC --- 322 fC	26---28	20 fC/bin
1	322 fC --- 397 fC	29---31	25 fC/bin
2	347 fC --- 722 fC	0---14	25 fC/bin
2	722 fC --- 1072 fC	15---21	50 fC/bin
2	1072 fC --- 1372 fC	22---25	75 fC/bin
2	1372 fC --- 1672 fC	26---28	100 fC/bin
2	1672 fC --- 2047 fC	29---31	125 fC/bin
3	1797 fC --- 3672 fC	0---14	125 fC/bin
3	3672 fC --- 5422 fC	15---21	250 fC/bin
3	5422 fC --- 6922 fC	22---25	375 fC/bin
3	6922 fC --- 8422 fC	26---28	500 fC/bin
3	8422 fC --- 10297 fC	29---31	625 fC/bin
Calibration Mode			
Forced 0	-2.333 fC ---- 10 fC	0---31	1/3 fC/Bin

Table 1. QIE Inverting Input Scale

Non-Inverting Input Scale (PMT inputs)

Normal Mode			
Range (Exponent)	Input Charge	FADC Codes	Gain (q/Lsb)
0	-3 fC --- 36 fC	0---14	2.6 fC/bin
0	36 fC --- 73 fC	15---21	5.2 fC/bin
0	73 fC --- 104 fC	22---25	7.8 fC/bin
0	104 fC --- 135 fC	26---28	10.4 fC/bin
0	135 fC --- 174 fC	29---31	13 fC/bin
1	150 fC --- 343 fC	0---14	13 fC/bin
1	343 fC --- 525 fC	15---21	26 fC/bin
1	525 fC --- 681 fC	22---25	39 fC/bin
1	681 fC --- 837 fC	26---28	52 fC/bin
1	837 fC --- 1032 fC	29---31	65 fC/bin
2	902 fC --- 1877 fC	0---14	65 fC/bin
2	1877 fC --- 2787 fC	15---21	130 fC/bin
2	2787 fC --- 3567 fC	22---25	195 fC/bin
2	3567 fC --- 4347 fC	26---28	260 fC/bin
2	4347 fC --- 5322 fC	29---31	325 fC/bin
3	4672 fC --- 9547 fC	0---14	325 fC/bin
3	9547 fC --- 14097 fC	15---21	650 fC/bin
3	14097 fC --- 17997 fC	22---25	975 fC/bin
3	17997 fC --- 21897 fC	26---28	1300 fC/bin
3	21897 fC --- 26772 fC	29---31	1625 fC/bin
Calibration Mode			
Forced 0	--6.1 fC ---- 26 fC	0---31	0.86 fC/Bin

Table 2. QIE Non-Inverting Input Scale