



### Angle to Channel map:

Fiber	1	2	3	4	5	6	7	8												
Connector	6	5	2	1	0	-1	-5	-6												
Channel	47	48	49	50	46	45	44	43												
Power (Matt, mW)	32	33.6	25	17.2	25.2	25	20	23.8												
Filter	0.49	0.15	0.49	0.15	0.49	0.15	0.49	0.15												
Raw Energy (Matt, uJ)	6.4	6.72	5	3.44	5.1	5	4	4.76												
Filtered Energy (uJ)	3.14	1.01	2.45	0.52	2.50	0.75	1.96	0.71												
Path Lengths (Matt, mm)	0	16	32	48	65	81	97	113												
Angle (mrad)	2	1.9	0.2	0.1	0	-0.1	-1.9	-2												
Approx offset on ground (m): 65k'	40	38	4	2	0	-2	-38	-40												
Fiber	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
Connector	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8				
Channel	2	3	1	4	16	5	15	6	14	7	13	8	12	9	11	10				
Power (Matt, mW)	34.4	38	32.2	35.8	18.8	24.7	27.6	26.7	24.5	31.2	30.2	28.8	27.5	27.6	31.2	31.4				
Filter	0.69	0.69	0.49	0.69	0.69	0.69	0.69	0.49	0.69	0.69	0.69	0.69	0.69	0.49	0.69	0.69				
Raw Energy (Matt, uJ)	6.88	7.6	6.44	7.16	3.76	4.94	5.52	5.34	4.9	6.24	6.04	5.76	5.5	5.52	6.24	6.28				
Filtered Energy (uJ)	4.75	5.24	3.16	4.94	2.59	3.41	3.81	2.62	3.38	4.31	4.17	3.97	3.80	2.70	4.31	4.33				
Path Lengths (Matt, mm)	27	43	59	75	92	108	124	140	156	172	188	204	221	237	253	269				
Angle (mrad)	-2.1	-2	-1.9	-1.8	-1	-0.2	-0.1	0	0.1	0.2	1	1.8	1.9	2	2.1	2.2				
Approx offset on ground (m): 65k'	-42	-40	-38	-36	-20	-4	-2	0	2	4	20	36	38	40	42	44				

### Points of interest:

Time (UTC)	TOF File	Description
16:21:57	1	Laser status healthy
16:34:27	66	start Grand Canyon leg
16:37:26	82	end Grand Canyon leg
16:46:04	133	start Flagstaff run
16:47:52	142	end Flagstaff run
17:12:41	315	start McCarty's run
17:16:9	332	end McCarty's run
17:33:14	470	start Carrizoz run
17:34:13	477	end Carrizoz run
17:36:18	502	start of first ICESat SW run
17:39:25	551	end of first ICESat SW run
17:44:02	607	start of first ICESat NW run
17:47:24	666	end of first ICESat NW run
17:52:32	720	start of second ICESat SW run
17:55:39	770	end of second ICESat SW run
17:59:45	819	start of second ICESat NW run
18:03:03	877	end of second ICESat NW run
18:07:38	924	start of third ICESat SW run
18:10:44	974	end of third ICESat SW run
18:14:37	1022	start of third ICESat NW run
18:17:54	1080	end of third ICESat NW run
18:22:22	1121	start of White Sands NP SE run
18:24:37	1164	end of White Sands NP SE run
18:28:25	1206	start of White Sands NP SW run
18:30:37	1248	end of White Sands NP SW run
18:37:50	1347	Laser dies (sometime after this)