

Supplimentary table 2: Voltage measured from a dilution series of purified magnetosomes in physiologi

Please note: the numbers in headings refer to repetitions of the set. Eg. the voltage measure
 Abbreviations: Med = medium Pos = positive Abs = absolute

Pos	[h] 1	[h] 1 pos	[h] 1 abs	[h] 2	[h] 2 pos	[h] 2 abs	[h] 3	[h] 3 pos
0	-0.18765	FALSE	0.187654	0.552119	0.552119	0.552119	0.256145	0.256145
1	-1.08105	FALSE	1.08105	0.841544	0.841544	0.841544	-0.85131	FALSE
2	0.299409	0.299409	0.299409	-1.76801	FALSE	1.76801	0.508104	0.508104
3	-0.43628	FALSE	0.436284	0.084272	0.084272	0.084272	0.450348	0.450348
4	-0.08642	FALSE	0.08642	1.34149	1.34149	1.34149	-1.09028	FALSE
5	-0.5416	FALSE	0.541598	-2.09758	FALSE	2.09758	0.036071	0.036071
6	0.021578	0.021578	0.021578	-0.10059	FALSE	0.10059	-0.04262	FALSE
7	-1.36929	FALSE	1.36929	0.312721	0.312721	0.312721	-0.66742	FALSE
8	0.164358	0.164358	0.164358	-1.4686	FALSE	1.4686	-0.44294	FALSE
9	0.101127	0.101127	0.101127	-0.8015	FALSE	0.801501	0.458185	0.458185
10	-1.01557	FALSE	1.01557	0.587223	0.587223	0.587223	-1.85679	FALSE
11	-0.03575	FALSE	0.035749	-1.14718	FALSE	1.14718	-0.94192	FALSE
12	0.5241	0.5241	0.5241	-0.00558	FALSE	0.005582	1.17026	1.17026
13	-0.85979	FALSE	0.859794	0.220397	0.220397	0.220397	-0.83059	FALSE
14	-0.91111	FALSE	0.911109	-1.42394	FALSE	1.42394	-0.53172	FALSE
15	0.793879	0.793879	0.793879	-0.38089	FALSE	0.38089	1.19603	1.19603
16	-0.78948	FALSE	0.789477	0.225764	0.225764	0.225764	-0.51873	FALSE
17	-0.20172	FALSE	0.201717	-0.97445	FALSE	0.974447	-1.44423	FALSE
18	-0.03693	FALSE	0.03693	-1.01428	FALSE	1.01428	1.07171	1.07171
19	-0.43639	FALSE	0.436392	0.350187	0.350187	0.350187	-0.33967	FALSE
20	-1.27354	FALSE	1.27354	-1.71025	FALSE	1.71025	-1.18347	FALSE
21	0.701877	0.701877	0.701877	-1.0175	FALSE	1.0175	0.295973	0.295973
22	0.086312	0.086312	0.086312	0.178958	0.178958	0.178958	-0.19098	FALSE
23	-0.9373	FALSE	0.937303	-0.62877	FALSE	0.628769	-1.4146	FALSE
24	0.9139	0.9139	0.9139	-1.24412	FALSE	1.24412	0.911968	0.911968
25	0.229307	0.229307	0.229307	0.779171	0.779171	0.779171	0.805473	0.805473
26	-1.02931	FALSE	1.02931	-0.20687	FALSE	0.20687	-1.35137	FALSE
27	0.379387	0.379387	0.379387	-1.65486	FALSE	1.65486	0.828876	0.828876
28	1.43532	1.43532	1.43532	1.22286	1.22286	1.22286	0.42104	0.42104
29	-1.78733	FALSE	1.78733	-0.34997	FALSE	0.349972	-1.53752	FALSE
30	0.599784	0.599784	0.599784	-1.86269	FALSE	1.86269	0.233816	0.233816
31	-0.1722	FALSE	0.172195	0.370262	0.370262	0.370262	0.747287	0.747287
32	-0.97316	FALSE	0.973159	0.485345	0.485345	0.485345	-1.55448	FALSE
33	0.221685	0.221685	0.221685	-2.19871	FALSE	2.19871	-0.15384	FALSE
34	0.293075	0.293075	0.293075	0.638538	0.638538	0.638538	-0.1927	FALSE
35	-0.65325	FALSE	0.653246	0.734083	0.734083	0.734083	-1.97048	FALSE
36	0.374556	0.374556	0.374556	-1.38851	FALSE	1.38851	0.291357	0.291357
37	0.361781	0.361781	0.361781	0.28599	0.28599	0.28599	0.614491	0.614491
38	-1.21449	FALSE	1.21449	0.215995	0.215995	0.215995	-0.9007	FALSE
39	0.217176	0.217176	0.217176	-1.619	FALSE	1.619	-0.1299	FALSE
40	-0.073	FALSE	0.073	-0.12904	FALSE	0.129039	0.685237	0.685237
41	-0.43167	FALSE	0.431668	0.980996	0.980996	0.980996	-1.58014	FALSE
42	-0.85775	FALSE	0.857754	-1.79152	FALSE	1.79152	-0.63586	FALSE

43	0.34643	0.34643	0.34643	0.052388	0.052388	0.052388	0.27869	0.27869
44	-1.24058	FALSE	1.24058	0.094149	0.094149	0.094149	-0.94471	FALSE
45	-0.31626	FALSE	0.316263	-1.06516	FALSE	1.06516	-1.39324	FALSE
46	0.625334	0.625334	0.625334	-0.71111	FALSE	0.711109	0.38497	0.38497
47	-0.85808	FALSE	0.858076	0.61739	0.61739	0.61739	-0.56919	FALSE
48	-0.57692	FALSE	0.576918	-1.21825	FALSE	1.21825	-1.35588	FALSE
49	0.694684	0.694684	0.694684	-0.35802	FALSE	0.358024	1.05969	1.05969
50	-0.24036	FALSE	0.240364	0.723777	0.723777	0.723777	0.185829	0.185829
51	-1.31057	FALSE	1.31057	-1.6541	FALSE	1.6541	-1.39764	FALSE
52	1.56371	1.56371	1.56371	-0.39066	FALSE	0.390659	0.936659	0.936659
53	-0.41084	FALSE	0.410842	0.30746	0.30746	0.30746	0.273966	0.273966
54	-1.12271	FALSE	1.12271	-0.87815	FALSE	0.878151	-1.85894	FALSE
55	0.280729	0.280729	0.280729	-1.4934	FALSE	1.4934	0.921952	0.921952
56	0.45389	0.45389	0.45389	0.850561	0.850561	0.850561	0.21986	0.21986
57	-1.32743	FALSE	1.32743	-0.92528	FALSE	0.925279	-2.13752	FALSE
58	0.598925	0.598925	0.598925	-1.15942	FALSE	1.15942	0.267954	0.267954
59	0.771871	0.771871	0.771871	0.956197	0.956197	0.956197	-0.30338	FALSE
60	-1.16683	FALSE	1.16683	0.38497	0.38497	0.38497	-1.38228	FALSE

Neg

	[h] 1	[h] 1 pos	[h] 1 abs	[h] 2	[h] 2 pos	[h] 2 abs	[h] 3	[h] 3 pos
0	-0.18765	-0.18765	0.187654	0.552119	FALSE	0.552119	0.256145	FALSE
1	-1.08105	-1.08105	1.08105	0.841544	FALSE	0.841544	-0.85131	-0.85131
2	0.299409	FALSE	0.299409	-1.76801	-1.76801	1.76801	0.508104	FALSE
3	-0.43628	-0.43628	0.436284	0.084272	FALSE	0.084272	0.450348	FALSE
4	-0.08642	-0.08642	0.08642	1.34149	FALSE	1.34149	-1.09028	-1.09028
5	-0.5416	-0.5416	0.541598	-2.09758	-2.09758	2.09758	0.036071	FALSE
6	0.021578	FALSE	0.021578	-0.10059	-0.10059	0.10059	-0.04262	-0.04262
7	-1.36929	-1.36929	1.36929	0.312721	FALSE	0.312721	-0.66742	-0.66742
8	0.164358	FALSE	0.164358	-1.4686	-1.4686	1.4686	-0.44294	-0.44294
9	0.101127	FALSE	0.101127	-0.8015	-0.8015	0.801501	0.458185	FALSE
10	-1.01557	-1.01557	1.01557	0.587223	FALSE	0.587223	-1.85679	-1.85679
11	-0.03575	-0.03575	0.035749	-1.14718	-1.14718	1.14718	-0.94192	-0.94192
12	0.5241	FALSE	0.5241	-0.00558	-0.00558	0.005582	1.17026	FALSE
13	-0.85979	-0.85979	0.859794	0.220397	FALSE	0.220397	-0.83059	-0.83059
14	-0.91111	-0.91111	0.911109	-1.42394	-1.42394	1.42394	-0.53172	-0.53172
15	0.793879	FALSE	0.793879	-0.38089	-0.38089	0.38089	1.19603	FALSE
16	-0.78948	-0.78948	0.789477	0.225764	FALSE	0.225764	-0.51873	-0.51873
17	-0.20172	-0.20172	0.201717	-0.97445	-0.97445	0.974447	-1.44423	-1.44423
18	-0.03693	-0.03693	0.03693	-1.01428	-1.01428	1.01428	1.07171	FALSE
19	-0.43639	-0.43639	0.436392	0.350187	FALSE	0.350187	-0.33967	-0.33967
20	-1.27354	-1.27354	1.27354	-1.71025	-1.71025	1.71025	-1.18347	-1.18347
21	0.701877	FALSE	0.701877	-1.0175	-1.0175	1.0175	0.295973	FALSE
22	0.086312	FALSE	0.086312	0.178958	FALSE	0.178958	-0.19098	-0.19098
23	-0.9373	-0.9373	0.937303	-0.62877	-0.62877	0.628769	-1.4146	-1.4146

24	0.9139	FALSE	0.9139	-1.24412	-1.24412	1.24412	0.911968	FALSE
25	0.229307	FALSE	0.229307	0.779171	FALSE	0.779171	0.805473	FALSE
26	-1.02931	-1.02931	1.02931	-0.20687	-0.20687	0.20687	-1.35137	-1.35137
27	0.379387	FALSE	0.379387	-1.65486	-1.65486	1.65486	0.828876	FALSE
28	1.43532	FALSE	1.43532	1.22286	FALSE	1.22286	0.42104	FALSE
29	-1.78733	-1.78733	1.78733	-0.34997	-0.34997	0.349972	-1.53752	-1.53752
30	0.599784	FALSE	0.599784	-1.86269	-1.86269	1.86269	0.233816	FALSE
31	-0.1722	-0.1722	0.172195	0.370262	FALSE	0.370262	0.747287	FALSE
32	-0.97316	-0.97316	0.973159	0.485345	FALSE	0.485345	-1.55448	-1.55448
33	0.221685	FALSE	0.221685	-2.19871	-2.19871	2.19871	-0.15384	-0.15384
34	0.293075	FALSE	0.293075	0.638538	FALSE	0.638538	-0.1927	-0.1927
35	-0.65325	-0.65325	0.653246	0.734083	FALSE	0.734083	-1.97048	-1.97048
36	0.374556	FALSE	0.374556	-1.38851	-1.38851	1.38851	0.291357	FALSE
37	0.361781	FALSE	0.361781	0.28599	FALSE	0.28599	0.614491	FALSE
38	-1.21449	-1.21449	1.21449	0.215995	FALSE	0.215995	-0.9007	-0.9007
39	0.217176	FALSE	0.217176	-1.619	-1.619	1.619	-0.1299	-0.1299
40	-0.073	-0.073	0.073	-0.12904	-0.12904	0.129039	0.685237	FALSE
41	-0.43167	-0.43167	0.431668	0.980996	FALSE	0.980996	-1.58014	-1.58014
42	-0.85775	-0.85775	0.857754	-1.79152	-1.79152	1.79152	-0.63586	-0.63586
43	0.34643	FALSE	0.34643	0.052388	FALSE	0.052388	0.27869	FALSE
44	-1.24058	-1.24058	1.24058	0.094149	FALSE	0.094149	-0.94471	-0.94471
45	-0.31626	-0.31626	0.316263	-1.06516	-1.06516	1.06516	-1.39324	-1.39324
46	0.625334	FALSE	0.625334	-0.71111	-0.71111	0.711109	0.38497	FALSE
47	-0.85808	-0.85808	0.858076	0.61739	FALSE	0.61739	-0.56919	-0.56919
48	-0.57692	-0.57692	0.576918	-1.21825	-1.21825	1.21825	-1.35588	-1.35588
49	0.694684	FALSE	0.694684	-0.35802	-0.35802	0.358024	1.05969	FALSE
50	-0.24036	-0.24036	0.240364	0.723777	FALSE	0.723777	0.185829	FALSE
51	-1.31057	-1.31057	1.31057	-1.6541	-1.6541	1.6541	-1.39764	-1.39764
52	1.56371	FALSE	1.56371	-0.39066	-0.39066	0.390659	0.936659	FALSE
53	-0.41084	-0.41084	0.410842	0.30746	FALSE	0.30746	0.273966	FALSE
54	-1.12271	-1.12271	1.12271	-0.87815	-0.87815	0.878151	-1.85894	-1.85894
55	0.280729	FALSE	0.280729	-1.4934	-1.4934	1.4934	0.921952	FALSE
56	0.45389	FALSE	0.45389	0.850561	FALSE	0.850561	0.21986	FALSE
57	-1.32743	-1.32743	1.32743	-0.92528	-0.92528	0.925279	-2.13752	-2.13752
58	0.598925	FALSE	0.598925	-1.15942	-1.15942	1.15942	0.267954	FALSE
59	0.771871	FALSE	0.771871	0.956197	FALSE	0.956197	-0.30338	-0.30338
60	-1.16683	-1.16683	1.16683	0.38497	FALSE	0.38497	-1.38228	-1.38228

ical (0.9%) salt water

and on the medium was repeated 5 times. Only measurements 5 to 55 have been used in calculations

Magn = magnetosome

Cul = culture

Neg = negative

[h] = highest magnetos

[h] 3 abs	[h] 4	[h] 4 pos	[h] 4 abs	[h] 5	[h] 5 pos	[h] 5 abs	High conce
0.256145	0.026516	0.026516	0.026516	0.504347	0.504347	0.504347	0.318434
0.851313	0.284379	0.284379	0.284379	-1.83854	FALSE	1.83854	0.370322
0.508104	-1.32904	FALSE	1.32904	-0.26817	FALSE	0.268169	0.14618
0.450348	-0.21932	FALSE	0.219323	0.795704	0.795704	0.795704	0.344104
1.09028	0.343531	0.343531	0.343531	-1.56253	FALSE	1.56253	0.384051
0.036071	-0.93934	FALSE	0.939343	0.491035	0.491035	0.491035	0.177312
0.042619	-1.08985	FALSE	1.08985	0.364143	0.364143	0.364143	0.083318
0.667416	0.450348	0.450348	0.450348	-1.77455	FALSE	1.77455	0.321714
0.44294	-1.8394	FALSE	1.8394	0.026946	0.026946	0.026946	0.02425
0.458185	-1.20257	FALSE	1.20257	0.380675	0.380675	0.380675	0.19765
1.85679	0.163499	0.163499	0.163499	-0.86591	FALSE	0.865913	0.279668
0.941919	-0.82072	FALSE	0.820717	-0.5679	FALSE	0.5679	0.003972
1.17026	-1.57885	FALSE	1.57885	0.583681	0.583681	0.583681	0.447998
0.830594	1.16951	1.16951	1.16951	-1.76071	FALSE	1.76071	0.404401
0.531722	-0.31004	FALSE	0.310037	-0.29093	FALSE	0.290928	0.101234
1.19603	-1.97949	FALSE	1.97949	0.355877	0.355877	0.355877	0.433077
0.518732	1.06011	1.06011	1.06011	-1.22802	FALSE	1.22802	0.373469
1.44423	0.018787	0.018787	0.018787	-0.84788	FALSE	0.847878	0.026588
1.07171	-1.82276	FALSE	1.82276	0.977346	0.977346	0.977346	0.459449
0.339666	0.74922	0.74922	0.74922	-1.20655	FALSE	1.20655	0.292801
1.18347	0.495866	0.495866	0.495866	-1.55942	FALSE	1.55942	0.251697
0.295973	-2.54117	FALSE	2.54117	1.71154	1.71154	1.71154	0.5241
0.190982	0.609982	0.609982	0.609982	-1.33387	FALSE	1.33387	0.18491
1.4146	0.257326	0.257326	0.257326	-1.91422	FALSE	1.91422	0.161328
0.911968	-1.52872	FALSE	1.52872	0.93741	0.93741	0.93741	0.512517
0.805473	0.576381	0.576381	0.576381	0.041331	0.041331	0.041331	0.514891
1.35137	0.435748	0.435748	0.435748	-2.53451	FALSE	2.53451	0.211201
0.828876	-1.54331	FALSE	1.54331	1.11712	1.11712	1.11712	0.474598
0.42104	-0.21159	FALSE	0.211594	0.506172	0.506172	0.506172	0.637274
1.53752	1.10982	1.10982	1.10982	-1.79356	FALSE	1.79356	0.445219
0.233816	-1.77831	FALSE	1.77831	0.839182	0.839182	0.839182	0.305087
0.747287	-0.18744	FALSE	0.187439	0.398067	0.398067	0.398067	0.355936
1.55448	0.264841	0.264841	0.264841	-1.95663	FALSE	1.95663	0.274837
0.153838	-1.40322	FALSE	1.40322	0.489854	0.489854	0.489854	0.133488
0.192699	-1.1197	FALSE	1.1197	1.28062	1.28062	1.28062	0.459043
1.97048	0.841329	0.841329	0.841329	-2.07214	FALSE	2.07214	0.422674
0.291357	-1.46656	FALSE	1.46656	0.61535	0.61535	0.61535	0.243108
0.614491	-0.47397	FALSE	0.473966	0.235856	0.235856	0.235856	0.292717
0.900696	0.971334	0.971334	0.971334	-1.45432	FALSE	1.45432	0.398794
0.129898	-1.82072	FALSE	1.82072	-0.19334	FALSE	0.193344	0.024131
0.685237	-0.96844	FALSE	0.968436	0.863551	0.863551	0.863551	0.352286
1.58014	0.811807	0.811807	0.811807	-1.08588	FALSE	1.08588	0.446364
0.635855	-0.63586	FALSE	0.635855	0.183038	0.183038	0.183038	0.135981

0.27869	-1.76328	FALSE	1.76328	1.00676	1.00676	1.00676	0.33579
0.94471	0.900588	0.900588	0.900588	-1.5957	FALSE	1.5957	0.358895
1.39324	-0.80247	FALSE	0.802467	0.02351	0.02351	0.02351	0.040365
0.38497	-1.803	FALSE	1.803	0.451851	0.451851	0.451851	0.255442
0.569188	0.660331	0.660331	0.660331	-1.57992	FALSE	1.57992	0.37928
1.35588	0.494148	0.494148	0.494148	-1.40773	FALSE	1.40773	0.173913
1.05969	-1.73848	FALSE	1.73848	1.07074	1.07074	1.07074	0.550616
0.185829	0.931828	0.931828	0.931828	-1.62458	FALSE	1.62458	0.435915
1.39764	0.698012	0.698012	0.698012	-1.50918	FALSE	1.50918	0.300733
0.936659	-1.93301	FALSE	1.93301	1.17176	1.17176	1.17176	0.642283
0.273966	1.49275	1.49275	1.49275	-0.55491	FALSE	0.55491	0.506577
1.85894	0.122812	0.122812	0.122812	-1.68438	FALSE	1.68438	0.152037
0.921952	-1.93741	FALSE	1.93741	0.941275	0.941275	0.941275	0.445243
0.21986	0.372946	0.372946	0.372946	-0.0044	FALSE	0.004401	0.37118
2.13752	0.513257	0.513257	0.513257	-1.99484	FALSE	1.99484	0.261549
0.267954	-1.98153	FALSE	1.98153	1.78797	1.78797	1.78797	0.523419
0.303381	0.388512	0.388512	0.388512	0.068921	0.068921	0.068921	0.399903
1.38228	0.713149	0.713149	0.713149	-1.90993	FALSE	1.90993	0.373674

Ave
Variance

[h] 3 abs	[h] 4	[h] 4 pos	[h] 4 abs	[h] 5	[h] 5 pos	[h] 5 abs	High conce
0.256145	0.026516	FALSE	0.026516	0.504347	FALSE	0.504347	0.318434
0.851313	0.284379	FALSE	0.284379	-1.83854	-1.83854	1.83854	0.370322
0.508104	-1.32904	-1.32904	1.32904	-0.26817	-0.26817	0.268169	0.14618
0.450348	-0.21932	-0.21932	0.219323	0.795704	FALSE	0.795704	0.344104
1.09028	0.343531	FALSE	0.343531	-1.56253	-1.56253	1.56253	0.384051
0.036071	-0.93934	-0.93934	0.939343	0.491035	FALSE	0.491035	0.177312
0.042619	-1.08985	-1.08985	1.08985	0.364143	FALSE	0.364143	0.083318
0.667416	0.450348	FALSE	0.450348	-1.77455	-1.77455	1.77455	0.321714
0.44294	-1.8394	-1.8394	1.8394	0.026946	FALSE	0.026946	0.02425
0.458185	-1.20257	-1.20257	1.20257	0.380675	FALSE	0.380675	0.19765
1.85679	0.163499	FALSE	0.163499	-0.86591	-0.86591	0.865913	0.279668
0.941919	-0.82072	-0.82072	0.820717	-0.5679	-0.5679	0.5679	0.003972
1.17026	-1.57885	-1.57885	1.57885	0.583681	FALSE	0.583681	0.447998
0.830594	1.16951	FALSE	1.16951	-1.76071	-1.76071	1.76071	0.404401
0.531722	-0.31004	-0.31004	0.310037	-0.29093	-0.29093	0.290928	0.101234
1.19603	-1.97949	-1.97949	1.97949	0.355877	FALSE	0.355877	0.433077
0.518732	1.06011	FALSE	1.06011	-1.22802	-1.22802	1.22802	0.373469
1.44423	0.018787	FALSE	0.018787	-0.84788	-0.84788	0.847878	0.026588
1.07171	-1.82276	-1.82276	1.82276	0.977346	FALSE	0.977346	0.459449
0.339666	0.74922	FALSE	0.74922	-1.20655	-1.20655	1.20655	0.292801
1.18347	0.495866	FALSE	0.495866	-1.55942	-1.55942	1.55942	0.251697
0.295973	-2.54117	-2.54117	2.54117	1.71154	FALSE	1.71154	0.5241
0.190982	0.609982	FALSE	0.609982	-1.33387	-1.33387	1.33387	0.18491
1.4146	0.257326	FALSE	0.257326	-1.91422	-1.91422	1.91422	0.161328

0.911968	-1.52872	-1.52872	1.52872	0.93741	FALSE	0.93741	0.512517
0.805473	0.576381	FALSE	0.576381	0.041331	FALSE	0.041331	0.514891
1.35137	0.435748	FALSE	0.435748	-2.53451	-2.53451	2.53451	0.211201
0.828876	-1.54331	-1.54331	1.54331	1.11712	FALSE	1.11712	0.474598
0.42104	-0.21159	-0.21159	0.211594	0.506172	FALSE	0.506172	0.637274
1.53752	1.10982	FALSE	1.10982	-1.79356	-1.79356	1.79356	0.445219
0.233816	-1.77831	-1.77831	1.77831	0.839182	FALSE	0.839182	0.305087
0.747287	-0.18744	-0.18744	0.187439	0.398067	FALSE	0.398067	0.355936
1.55448	0.264841	FALSE	0.264841	-1.95663	-1.95663	1.95663	0.274837
0.153838	-1.40322	-1.40322	1.40322	0.489854	FALSE	0.489854	0.133488
0.192699	-1.1197	-1.1197	1.1197	1.28062	FALSE	1.28062	0.459043
1.97048	0.841329	FALSE	0.841329	-2.07214	-2.07214	2.07214	0.422674
0.291357	-1.46656	-1.46656	1.46656	0.61535	FALSE	0.61535	0.243108
0.614491	-0.47397	-0.47397	0.473966	0.235856	FALSE	0.235856	0.292717
0.900696	0.971334	FALSE	0.971334	-1.45432	-1.45432	1.45432	0.398794
0.129898	-1.82072	-1.82072	1.82072	-0.19334	-0.19334	0.193344	0.024131
0.685237	-0.96844	-0.96844	0.968436	0.863551	FALSE	0.863551	0.352286
1.58014	0.811807	FALSE	0.811807	-1.08588	-1.08588	1.08588	0.446364
0.635855	-0.63586	-0.63586	0.635855	0.183038	FALSE	0.183038	0.135981
0.27869	-1.76328	-1.76328	1.76328	1.00676	FALSE	1.00676	0.33579
0.94471	0.900588	FALSE	0.900588	-1.5957	-1.5957	1.5957	0.358895
1.39324	-0.80247	-0.80247	0.802467	0.02351	FALSE	0.02351	0.040365
0.38497	-1.803	-1.803	1.803	0.451851	FALSE	0.451851	0.255442
0.569188	0.660331	FALSE	0.660331	-1.57992	-1.57992	1.57992	0.37928
1.35588	0.494148	FALSE	0.494148	-1.40773	-1.40773	1.40773	0.173913
1.05969	-1.73848	-1.73848	1.73848	1.07074	FALSE	1.07074	0.550616
0.185829	0.931828	FALSE	0.931828	-1.62458	-1.62458	1.62458	0.435915
1.39764	0.698012	FALSE	0.698012	-1.50918	-1.50918	1.50918	0.300733
0.936659	-1.93301	-1.93301	1.93301	1.17176	FALSE	1.17176	0.642283
0.273966	1.49275	FALSE	1.49275	-0.55491	-0.55491	0.55491	0.506577
1.85894	0.122812	FALSE	0.122812	-1.68438	-1.68438	1.68438	0.152037
0.921952	-1.93741	-1.93741	1.93741	0.941275	FALSE	0.941275	0.445243
0.21986	0.372946	FALSE	0.372946	-0.0044	-0.0044	0.004401	0.37118
2.13752	0.513257	FALSE	0.513257	-1.99484	-1.99484	1.99484	0.261549
0.267954	-1.98153	-1.98153	1.98153	1.78797	FALSE	1.78797	0.523419
0.303381	0.388512	FALSE	0.388512	0.068921	FALSE	0.068921	0.399903
1.38228	0.713149	FALSE	0.713149	-1.90993	-1.90993	1.90993	0.373674

Ave
Variance

ome concentration

[m] = middle magnetosome concentration

[h] pos	Sw	[m] 1	[m] 1 pos	[m] 1 abs	[m] 2	[m] 2 pos	[m] 2 abs
0.334782	0.03804	1.26269	1.26269	1.26269	-1.21127	FALSE	1.21127
0.562962	0.001098	-1.76758	FALSE	1.76758	-0.34321	FALSE	0.343209
0.403757	0.015892	0.73097	0.73097	0.73097	1.19635	1.19635	1.19635
0.443441	0.007461	0.659794	0.659794	0.659794	-1.473	FALSE	1.473
0.842511	0.097775	-1.50123	FALSE	1.50123	-1.38561	FALSE	1.38561
0.263553	0.070898	-0.01363	FALSE	0.013634	1.95619	1.95619	1.95619
0.192861	0.113542	1.67611	1.67611	1.67611	-1.73827	FALSE	1.73827
0.381535	0.021989	-1.93687	FALSE	1.93687	-1.27504	FALSE	1.27504
0.095652	0.188502	-0.1182	FALSE	0.118196	0.863766	0.863766	0.863766
0.313329	0.046869	0.751474	0.751474	0.751474	-0.9008	FALSE	0.900803
0.375361	0.023858	-1.17745	FALSE	1.17745	-1.84562	FALSE	1.84562
0	0.28071	-0.092	FALSE	0.092002	1.3606	1.3606	1.3606
0.759347	0.052682	1.01889	1.01889	1.01889	0.203972	0.203972	0.203972
0.694954	0.027269	-1.08867	FALSE	1.08867	-1.84509	FALSE	1.84509
0	0.28071	-0.65507	FALSE	0.655071	1.33515	1.33515	1.33515
0.781929	0.063558	1.20687	1.20687	1.20687	0.278153	0.278153	0.278153
0.642937	0.012795	-1.6219	FALSE	1.6219	-1.99796	FALSE	1.99796
0.018787	0.261155	-0.54965	FALSE	0.54965	0.88674	0.88674	0.88674
1.024528	0.244735	0.905312	0.905312	0.905312	1.86291	1.86291	1.86291
0.549704	0.000395	-0.75545	FALSE	0.755446	-2.70542	FALSE	2.70542
0.495866	0.001153	-2.42158	FALSE	2.42158	0.875682	0.875682	0.875682
0.90313	0.13936	1.203	1.203	1.203	0.694255	0.694255	0.694255
0.291751	0.056677	-0.26538	FALSE	0.265378	-1.68588	FALSE	1.68588
0.257326	0.074253	-1.81277	FALSE	1.81277	0.899729	0.899729	0.899729
0.921093	0.153094	1.48974	1.48974	1.48974	0.950937	0.950937	0.950937
0.486333	0.001891	0.280407	0.280407	0.280407	-1.49404	FALSE	1.49404
0.435748	0.00885	-1.93269	FALSE	1.93269	0.471604	0.471604	0.471604
0.775128	0.060176	1.01234	1.01234	1.01234	1.04058	1.04058	1.04058
0.896348	0.134342	0.926353	0.926353	0.926353	-1.64337	FALSE	1.64337
1.10982	0.336399	-2.38035	FALSE	2.38035	0.556413	0.556413	0.556413
0.557594	0.000771	2.08373	2.08373	2.08373	0.657969	0.657969	0.657969
0.505205	0.000606	0.534406	0.534406	0.534406	-1.25915	FALSE	1.25915
0.375093	0.023941	-2.22125	FALSE	2.22125	-1.0672	FALSE	1.0672
0.35577	0.030294	0.683627	0.683627	0.683627	1.14589	1.14589	1.14589
0.737411	0.043094	0.989799	0.989799	0.989799	-1.37187	FALSE	1.37187
0.787706	0.066505	-1.49715	FALSE	1.49715	-0.96629	FALSE	0.966289
0.427088	0.010554	0.524744	0.524744	0.524744	1.37241	1.37241	1.37241
0.37453	0.024115	1.26763	1.26763	1.26763	-1.27397	FALSE	1.27397
0.593665	0.004076	-1.5839	FALSE	1.5839	-1.49887	FALSE	1.49887
0.217176	0.097747	-0.06076	FALSE	0.060762	1.07246	1.07246	1.07246
0.774394	0.059816	0.789585	0.789585	0.789585	-0.44058	FALSE	0.440579
0.896402	0.134382	-0.72635	FALSE	0.726354	-2.04509	FALSE	2.04509
0.183038	0.120258	-0.68341	FALSE	0.683412	1.97455	1.97455	1.97455

0.421067	0.011827	1.32163	1.32163	1.32163	-0.93569	FALSE	0.935693
0.497369	0.001053	-1.98411	FALSE	1.98411	-2.07128	FALSE	2.07128
0.02351	0.25635	-1.03639	FALSE	1.03639	1.05893	1.05893	1.05893
0.487385	0.001801	1.44573	1.44573	1.44573	0.524314	0.524314	0.524314
0.638861	0.01189	-1.32507	FALSE	1.32507	-1.78647	FALSE	1.78647
0.494148	0.001273	-1.14793	FALSE	1.14793	1.24219	1.24219	1.24219
0.941705	0.169648	1.39259	1.39259	1.39259	1.0979	1.0979	1.0979
0.613811	0.007054	-1.09683	FALSE	1.09683	-2.04391	FALSE	2.04391
0.698012	0.028288	-1.78443	FALSE	1.78443	1.23757	1.23757	1.23757
1.224043	0.481945	1.4935	1.4935	1.4935	0.703809	0.703809	0.703809
0.691392	0.026105	-0.82308	FALSE	0.823079	-1.77069	FALSE	1.77069
0.122812	0.165656	-1.67064	FALSE	1.67064	0.456145	0.456145	0.456145
0.714652	0.034163	0.895543	0.895543	0.895543	1.20333	1.20333	1.20333
0.474314	0.003081	0.184326	0.184326	0.184326	-2.50059	FALSE	2.50059
0.513257	0.000274	-2.61878	FALSE	2.61878	0.170477	0.170477	0.170477
0.88495	0.126117	1.28309	1.28309	1.28309	1.18142	1.18142	1.18142
0.546375	0.000274	1.23188	1.23188	1.23188	-1.50918	FALSE	1.50918
0.54906	0.00037	-2.19688	FALSE	2.19688	0.244444	0.244444	0.244444

0.529821
0.087629

Sum Sw 4.469076

[h] bottom Sw	[m] 1	[m] 1 pos	[m] 1 abs	[m] 2	[m] 2 pos	[m] 2 abs	
-0.18765	0.737833	1.26269	FALSE	1.26269	-1.21127	-1.21127	1.21127
-1.25697	0.044244	-1.76758	-1.76758	1.76758	-0.34321	-0.34321	0.343209
-1.12174	0.005642	0.73097	FALSE	0.73097	1.19635	FALSE	1.19635
-0.3278	0.516706	0.659794	FALSE	0.659794	-1.473	-1.473	1.473
-0.91308	0.017835	-1.50123	-1.50123	1.50123	-1.38561	-1.38561	1.38561
-1.19284	0.021379	-0.01363	-0.01363	0.013634	1.95619	FALSE	1.95619
-0.41102	0.403995	1.67611	FALSE	1.67611	-1.73827	-1.73827	1.73827
-1.27042	0.050083	-1.93687	-1.93687	1.93687	-1.27504	-1.27504	1.27504
-1.25031	0.041489	-0.1182	-0.1182	0.118196	0.863766	FALSE	0.863766
-1.00204	0.001988	0.751474	FALSE	0.751474	-0.9008	-0.9008	0.900803
-1.24609	0.039786	-1.17745	-1.17745	1.17745	-1.84562	-1.84562	1.84562
-0.70269	0.11829	-0.092	-0.092	0.092002	1.3606	FALSE	1.3606
-0.79222	0.064724	1.01889	FALSE	1.01889	0.203972	FALSE	0.203972
-1.15037	0.010762	-1.08867	-1.08867	1.08867	-1.84509	-1.84509	1.84509
-0.69355	0.124665	-0.65507	-0.65507	0.655071	1.33515	FALSE	1.33515
-1.18019	0.017839	1.20687	FALSE	1.20687	0.278153	FALSE	0.278153
-0.84541	0.040488	-1.6219	-1.6219	1.6219	-1.99796	-1.99796	1.99796
-0.86707	0.032241	-0.54965	-0.54965	0.54965	0.88674	FALSE	0.88674
-0.95799	0.007856	0.905312	FALSE	0.905312	1.86291	FALSE	1.86291
-0.66087	0.148808	-0.75545	-0.75545	0.755446	-2.70542	-2.70542	2.70542
-1.43167	0.148259	-2.42158	-2.42158	2.42158	0.875682	FALSE	0.875682
-1.77934	0.536863	1.203	FALSE	1.203	0.694255	FALSE	0.694255
-0.76243	0.08077	-0.26538	-0.26538	0.265378	-1.68588	-1.68588	1.68588
-1.22372	0.031363	-1.81277	-1.81277	1.81277	0.899729	FALSE	0.899729

-1.38642	0.11546	1.48974	FALSE	1.48974	0.950937	FALSE	0.950937
0	1.095426	0.280407	FALSE	0.280407	-1.49404	-1.49404	1.49404
-1.28052	0.054704	-1.93269	-1.93269	1.93269	0.471604	FALSE	0.471604
-1.59909	0.305211	1.01234	FALSE	1.01234	1.04058	FALSE	1.04058
-0.21159	0.697278	0.926353	FALSE	0.926353	-1.64337	-1.64337	1.64337
-1.3671	0.102701	-2.38035	-2.38035	2.38035	0.556413	FALSE	0.556413
-1.8205	0.598881	2.08373	FALSE	2.08373	0.657969	FALSE	0.657969
-0.17982	0.751358	0.534406	FALSE	0.534406	-1.25915	-1.25915	1.25915
-1.49476	0.200821	-2.22125	-2.22125	2.22125	-1.0672	-1.0672	1.0672
-1.25192	0.042147	0.683627	FALSE	0.683627	1.14589	FALSE	1.14589
-0.6562	0.152433	0.989799	FALSE	0.989799	-1.37187	-1.37187	1.37187
-1.56529	0.269011	-1.49715	-1.49715	1.49715	-0.96629	-0.96629	0.966289
-1.42754	0.145092	0.524744	FALSE	0.524744	1.37241	FALSE	1.37241
-0.47397	0.327939	1.26763	FALSE	1.26763	-1.27397	-1.27397	1.27397
-1.18984	0.020509	-1.5839	-1.5839	1.5839	-1.49887	-1.49887	1.49887
-0.94074	0.011212	-0.06076	-0.06076	0.060762	1.07246	FALSE	1.07246
-0.39016	0.43095	0.789585	FALSE	0.789585	-0.44058	-0.44058	0.440579
-1.03256	0.000198	-0.72635	-0.72635	0.726354	-2.04509	-2.04509	2.04509
-0.98025	0.004406	-0.68341	-0.68341	0.683412	1.97455	FALSE	1.97455
-1.76328	0.513593	1.32163	FALSE	1.32163	-0.93569	-0.93569	0.935693
-1.26033	0.045669	-1.98411	-1.98411	1.98411	-2.07128	-2.07128	2.07128
-0.89428	0.023209	-1.03639	-1.03639	1.03639	1.05893	FALSE	1.05893
-1.25705	0.04428	1.44573	FALSE	1.44573	0.524314	FALSE	0.524314
-1.00239	0.001956	-1.32507	-1.32507	1.32507	-1.78647	-1.78647	1.78647
-1.13969	0.008662	-1.14793	-1.14793	1.14793	1.24219	FALSE	1.24219
-1.04825	2.64E-06	1.39259	FALSE	1.39259	1.0979	FALSE	1.0979
-0.93247	0.013031	-1.09683	-1.09683	1.09683	-2.04391	-2.04391	2.04391
-1.46787	0.177449	-1.78443	-1.78443	1.78443	1.23757	FALSE	1.23757
-1.16183	0.013273	1.4935	FALSE	1.4935	0.703809	FALSE	0.703809
-0.48288	0.317814	-0.82308	-0.82308	0.823079	-1.77069	-1.77069	1.77069
-1.38605	0.115205	-1.67064	-1.67064	1.67064	0.456145	FALSE	0.456145
-1.71541	0.447265	0.895543	FALSE	0.895543	1.20333	FALSE	1.20333
-0.0044	1.086233	0.184326	FALSE	0.184326	-2.50059	-2.50059	2.50059
-1.59627	0.302106	-2.61878	-2.61878	2.61878	0.170477	FALSE	0.170477
-1.57048	0.274418	1.28309	FALSE	1.28309	1.18142	FALSE	1.18142
-0.30338	0.552413	1.23188	FALSE	1.23188	-1.50918	-1.50918	1.50918
-1.48635	0.193354	-2.19688	-2.19688	2.19688	0.244444	FALSE	0.244444

-1.04663

0.167439

Sum Sw 8.539364

[|] = lowest magnetosome concentration

[m] 3	[m] 3 pos	[m] 3 abs	[m] 4	[m] 4 pos	[m] 4 abs	[m] 5	[m] 5 pos	[m] 5 abs
0.862156	0.862156	0.862156	-2.13011	FALSE	2.13011	-0.01557	FALSE	0.015566
-1.56972	FALSE	1.56972	0.444551	0.444551	0.444551	1.05915	1.05915	1.05915
0.200966	0.200966	0.200966	0.821147	0.821147	0.821147	-1.30735	FALSE	1.30735
1.03295	1.03295	1.03295	-1.7796	FALSE	1.7796	-0.71165	FALSE	0.711646
-1.38143	FALSE	1.38143	0.253139	0.253139	0.253139	0.621577	0.621577	0.621577
-0.33312	FALSE	0.333118	0.317444	0.317444	0.317444	-1.05765	FALSE	1.05765
1.28287	1.28287	1.28287	-1.53333	FALSE	1.53333	-1.66881	FALSE	1.66881
-1.66269	FALSE	1.66269	-0.51133	FALSE	0.511325	0.929144	0.929144	0.929144
0.102308	0.102308	0.102308	1.24927	1.24927	1.24927	-1.75287	FALSE	1.75287
0.616424	0.616424	0.616424	-1.72914	FALSE	1.72914	-2.00429	FALSE	2.00429
-1.38776	FALSE	1.38776	-0.56983	FALSE	0.569832	1.60955	1.60955	1.60955
-1.43231	FALSE	1.43231	1.1051	1.1051	1.1051	-0.36865	FALSE	0.368652
1.12764	1.12764	1.12764	-1.62308	FALSE	1.62308	-1.65099	FALSE	1.65099
-0.87278	FALSE	0.872784	-0.61846	FALSE	0.618463	1.62351	1.62351	1.62351
-1.51905	FALSE	1.51905	1.10649	1.10649	1.10649	0.184648	0.184648	0.184648
1.67965	1.67965	1.67965	-1.91465	FALSE	1.91465	-2.46173	FALSE	2.46173
-0.11433	FALSE	0.114331	-1.5227	FALSE	1.5227	1.36285	1.36285	1.36285
-1.85808	FALSE	1.85808	1.16629	1.16629	1.16629	0.201073	0.201073	0.201073
1.16232	1.16232	1.16232	-1.91658	FALSE	1.91658	-2.39764	FALSE	2.39764
0.698549	0.698549	0.698549	-1.7212	FALSE	1.7212	0.763498	0.763498	0.763498
-2.44219	FALSE	2.44219	1.30048	1.30048	1.30048	0.197852	0.197852	0.197852
1.77541	1.77541	1.77541	-0.0657	FALSE	0.0657	-2.23145	FALSE	2.23145
0.186044	0.186044	0.186044	-2.4278	FALSE	2.4278	1.08083	1.08083	1.08083
-2.63242	FALSE	2.63242	1.0321	1.0321	1.0321	1.30338	1.30338	1.30338
1.14772	1.14772	1.14772	0.245732	0.245732	0.245732	-2.04026	FALSE	2.04026
1.09586	1.09586	1.09586	-2.42405	FALSE	2.42405	0.888028	0.888028	0.888028
-1.99441	FALSE	1.99441	1.23006	1.23006	1.23006	0.960599	0.960599	0.960599
0.991624	0.991624	0.991624	0.780889	0.780889	0.780889	-1.91884	FALSE	1.91884
1.17005	1.17005	1.17005	-2.52764	FALSE	2.52764	-0.1664	FALSE	0.166398
-2.19989	FALSE	2.19989	0.335372	0.335372	0.335372	1.13451	1.13451	1.13451
0.423831	0.423831	0.423831	0.959955	0.959955	0.959955	-1.78336	FALSE	1.78336
0.565645	0.565645	0.565645	-2.99162	FALSE	2.99162	-0.26345	FALSE	0.263445
-1.07418	FALSE	1.07418	1.16564	1.16564	1.16564	0.678367	0.678367	0.678367
-0.31358	FALSE	0.313579	0.820825	0.820825	0.820825	-1.99656	FALSE	1.99656
0.94718	0.94718	0.94718	-2.16833	FALSE	2.16833	-0.22877	FALSE	0.22877
-1.92732	FALSE	1.92732	0.545141	0.545141	0.545141	1.20214	1.20214	1.20214
-0.52313	FALSE	0.523133	0.763498	0.763498	0.763498	-1.23929	FALSE	1.23929
1.54224	1.54224	1.54224	-1.51905	FALSE	1.51905	-0.46967	FALSE	0.469671
-1.29007	FALSE	1.29007	-0.27547	FALSE	0.275469	1.27794	1.27794	1.27794
-0.18357	FALSE	0.183574	0.776595	0.776595	0.776595	-1.82888	FALSE	1.82888
1.26634	1.26634	1.26634	-1.63918	FALSE	1.63918	-1.53999	FALSE	1.53999
-1.71927	FALSE	1.71927	-0.21589	FALSE	0.215888	1.04229	1.04229	1.04229
-1.31852	FALSE	1.31852	0.531292	0.531292	0.531292	-0.75115	FALSE	0.751152

1.38636	1.38636	1.38636	-1.3956	FALSE	1.3956	-2.38905	FALSE	2.38905
-1.508	FALSE	1.508	-0.56404	FALSE	0.564035	0.913685	0.913685	0.913685
-1.84047	FALSE	1.84047	1.2541	1.2541	1.2541	-0.0788	FALSE	0.078797
0.863873	0.863873	0.863873	-1.93698	FALSE	1.93698	-2.36157	FALSE	2.36157
-0.86055	FALSE	0.860545	-1.61299	FALSE	1.61299	1.53988	1.53988	1.53988
-2.09104	FALSE	2.09104	1.32013	1.32013	1.32013	0.719161	0.719161	0.719161
1.4453	1.4453	1.4453	-1.58593	FALSE	1.58593	-1.96919	FALSE	1.96919
0.569403	0.569403	0.569403	-1.69683	FALSE	1.69683	1.4395	1.4395	1.4395
-2.26366	FALSE	2.26366	1.24584	1.24584	1.24584	0.900051	0.900051	0.900051
1.60332	1.60332	1.60332	-0.90274	FALSE	0.902735	-2.51519	FALSE	2.51519
1.00043	1.00043	1.00043	-2.9854	FALSE	2.9854	1.46602	1.46602	1.46602
-2.38647	FALSE	2.38647	1.33301	1.33301	1.33301	0.733868	0.733868	0.733868
0.81492	0.81492	0.81492	-0.36951	FALSE	0.369511	-2.3942	FALSE	2.3942
1.35126	1.35126	1.35126	-2.07182	FALSE	2.07182	0.535372	0.535372	0.535372
-2.43704	FALSE	2.43704	1.30145	1.30145	1.30145	0.073859	0.073859	0.073859
0.443907	0.443907	0.443907	0.547503	0.547503	0.547503	-1.54965	FALSE	1.54965
0.347288	0.347288	0.347288	-2.38808	FALSE	2.38808	0.611485	0.611485	0.611485
-2.57048	FALSE	2.57048	0.923991	0.923991	0.923991	1.00655	1.00655	1.00655

[m] 3	[m] 3 pos	[m] 3 abs	[m] 4	[m] 4 pos	[m] 4 abs	[m] 5	[m] 5 pos	[m] 5 abs
0.862156	FALSE	0.862156	-2.13011	-2.13011	2.13011	-0.01557	-0.01557	0.015566
-1.56972	-1.56972	1.56972	0.444551	FALSE	0.444551	1.05915	FALSE	1.05915
0.200966	FALSE	0.200966	0.821147	FALSE	0.821147	-1.30735	-1.30735	1.30735
1.03295	FALSE	1.03295	-1.7796	-1.7796	1.7796	-0.71165	-0.71165	0.711646
-1.38143	-1.38143	1.38143	0.253139	FALSE	0.253139	0.621577	FALSE	0.621577
-0.33312	-0.33312	0.333118	0.317444	FALSE	0.317444	-1.05765	-1.05765	1.05765
1.28287	FALSE	1.28287	-1.53333	-1.53333	1.53333	-1.66881	-1.66881	1.66881
-1.66269	-1.66269	1.66269	-0.51133	-0.51133	0.511325	0.929144	FALSE	0.929144
0.102308	FALSE	0.102308	1.24927	FALSE	1.24927	-1.75287	-1.75287	1.75287
0.616424	FALSE	0.616424	-1.72914	-1.72914	1.72914	-2.00429	-2.00429	2.00429
-1.38776	-1.38776	1.38776	-0.56983	-0.56983	0.569832	1.60955	FALSE	1.60955
-1.43231	-1.43231	1.43231	1.1051	FALSE	1.1051	-0.36865	-0.36865	0.368652
1.12764	FALSE	1.12764	-1.62308	-1.62308	1.62308	-1.65099	-1.65099	1.65099
-0.87278	-0.87278	0.872784	-0.61846	-0.61846	0.618463	1.62351	FALSE	1.62351
-1.51905	-1.51905	1.51905	1.10649	FALSE	1.10649	0.184648	FALSE	0.184648
1.67965	FALSE	1.67965	-1.91465	-1.91465	1.91465	-2.46173	-2.46173	2.46173
-0.11433	-0.11433	0.114331	-1.5227	-1.5227	1.5227	1.36285	FALSE	1.36285
-1.85808	-1.85808	1.85808	1.16629	FALSE	1.16629	0.201073	FALSE	0.201073
1.16232	FALSE	1.16232	-1.91658	-1.91658	1.91658	-2.39764	-2.39764	2.39764
0.698549	FALSE	0.698549	-1.7212	-1.7212	1.7212	0.763498	FALSE	0.763498
-2.44219	-2.44219	2.44219	1.30048	FALSE	1.30048	0.197852	FALSE	0.197852
1.77541	FALSE	1.77541	-0.0657	-0.0657	0.0657	-2.23145	-2.23145	2.23145
0.186044	FALSE	0.186044	-2.4278	-2.4278	2.4278	1.08083	FALSE	1.08083
-2.63242	-2.63242	2.63242	1.0321	FALSE	1.0321	1.30338	FALSE	1.30338

1.14772	FALSE	1.14772	0.245732	FALSE	0.245732	-2.04026	-2.04026	2.04026
1.09586	FALSE	1.09586	-2.42405	-2.42405	2.42405	0.888028	FALSE	0.888028
-1.99441	-1.99441	1.99441	1.23006	FALSE	1.23006	0.960599	FALSE	0.960599
0.991624	FALSE	0.991624	0.780889	FALSE	0.780889	-1.91884	-1.91884	1.91884
1.17005	FALSE	1.17005	-2.52764	-2.52764	2.52764	-0.1664	-0.1664	0.166398
-2.19989	-2.19989	2.19989	0.335372	FALSE	0.335372	1.13451	FALSE	1.13451
0.423831	FALSE	0.423831	0.959955	FALSE	0.959955	-1.78336	-1.78336	1.78336
0.565645	FALSE	0.565645	-2.99162	-2.99162	2.99162	-0.26345	-0.26345	0.263445
-1.07418	-1.07418	1.07418	1.16564	FALSE	1.16564	0.678367	FALSE	0.678367
-0.31358	-0.31358	0.313579	0.820825	FALSE	0.820825	-1.99656	-1.99656	1.99656
0.94718	FALSE	0.94718	-2.16833	-2.16833	2.16833	-0.22877	-0.22877	0.22877
-1.92732	-1.92732	1.92732	0.545141	FALSE	0.545141	1.20214	FALSE	1.20214
-0.52313	-0.52313	0.523133	0.763498	FALSE	0.763498	-1.23929	-1.23929	1.23929
1.54224	FALSE	1.54224	-1.51905	-1.51905	1.51905	-0.46967	-0.46967	0.469671
-1.29007	-1.29007	1.29007	-0.27547	-0.27547	0.275469	1.27794	FALSE	1.27794
-0.18357	-0.18357	0.183574	0.776595	FALSE	0.776595	-1.82888	-1.82888	1.82888
1.26634	FALSE	1.26634	-1.63918	-1.63918	1.63918	-1.53999	-1.53999	1.53999
-1.71927	-1.71927	1.71927	-0.21589	-0.21589	0.215888	1.04229	FALSE	1.04229
-1.31852	-1.31852	1.31852	0.531292	FALSE	0.531292	-0.75115	-0.75115	0.751152
1.38636	FALSE	1.38636	-1.3956	-1.3956	1.3956	-2.38905	-2.38905	2.38905
-1.508	-1.508	1.508	-0.56404	-0.56404	0.564035	0.913685	FALSE	0.913685
-1.84047	-1.84047	1.84047	1.2541	FALSE	1.2541	-0.0788	-0.0788	0.078797
0.863873	FALSE	0.863873	-1.93698	-1.93698	1.93698	-2.36157	-2.36157	2.36157
-0.86055	-0.86055	0.860545	-1.61299	-1.61299	1.61299	1.53988	FALSE	1.53988
-2.09104	-2.09104	2.09104	1.32013	FALSE	1.32013	0.719161	FALSE	0.719161
1.4453	FALSE	1.4453	-1.58593	-1.58593	1.58593	-1.96919	-1.96919	1.96919
0.569403	FALSE	0.569403	-1.69683	-1.69683	1.69683	1.4395	FALSE	1.4395
-2.26366	-2.26366	2.26366	1.24584	FALSE	1.24584	0.900051	FALSE	0.900051
1.60332	FALSE	1.60332	-0.90274	-0.90274	0.902735	-2.51519	-2.51519	2.51519
1.00043	FALSE	1.00043	-2.9854	-2.9854	2.9854	1.46602	FALSE	1.46602
-2.38647	-2.38647	2.38647	1.33301	FALSE	1.33301	0.733868	FALSE	0.733868
0.81492	FALSE	0.81492	-0.36951	-0.36951	0.369511	-2.3942	-2.3942	2.3942
1.35126	FALSE	1.35126	-2.07182	-2.07182	2.07182	0.535372	FALSE	0.535372
-2.43704	-2.43704	2.43704	1.30145	FALSE	1.30145	0.073859	FALSE	0.073859
0.443907	FALSE	0.443907	0.547503	FALSE	0.547503	-1.54965	-1.54965	1.54965
0.347288	FALSE	0.347288	-2.38808	-2.38808	2.38808	0.611485	FALSE	0.611485
-2.57048	-2.57048	2.57048	0.923991	FALSE	0.923991	1.00655	FALSE	1.00655

Medium cc [m]	pos	Sw	[I] 1	[I] 1 pos	[I] 1 abs	[I] 2
0.331889	1.062423	0.000438	-1.39689	FALSE	1.39689	-1.42426
0.530554	0.751851	0.083899	1.40504	1.40504	1.40504	-0.3168
0.574211	0.737358	0.092504	-0.78787	FALSE	0.787867	0.661405
0.302855	0.846372	0.038076	-1.1767	FALSE	1.1767	-1.42362
0.361185	0.437358	0.364991	1.25475	1.25475	1.25475	-0.78121
0.506767	1.136817	0.009085	0.262587	0.262587	0.262587	0.985505
0.471317	1.47949	0.191832	-2.72249	FALSE	2.72249	-1.8248
0.421684	0.929144	0.012625	1.06999	1.06999	1.06999	-1.04455
0.505432	0.738448	0.091842	0.814276	0.814276	0.814276	0.787438
0.22048	0.683949	0.127845	-2.19903	FALSE	2.19903	-1.48234
0.488506	1.60955	0.322677	1.55383	1.55383	1.55383	-2.5212
0.558156	1.23285	0.036614	1.08427	1.08427	1.08427	1.81975
0.409124	0.783501	0.066565	-2.04874	FALSE	2.04874	-0.72582
0.481743	1.62351	0.338732	0.949434	0.949434	0.949434	-2.3665
0.656405	0.875429	0.027581	0.834781	0.834781	0.834781	1.50037
0.569164	1.054891	0.000179	-2.37305	FALSE	2.37305	-0.35459
0.483067	1.36285	0.103264	1.16468	1.16468	1.16468	-2.63263
0.561984	0.751368	0.084179	0.097692	0.097692	0.097692	1.09082
0.772864	1.310181	0.072188	-1.89382	FALSE	1.89382	0.410412
0.408838	0.731024	0.096398	0.40322	0.40322	0.40322	-2.77155
0.796623	0.791338	0.062583	0.875038	0.875038	0.875038	1.1533
0.682481	1.224222	0.033386	-1.09125	FALSE	1.09125	0.213419
0.311014	0.633437	0.166518	-0.01932	FALSE	0.019324	-2.16779
0.920354	1.078403	0.001362	1.184	1.184	1.184	1.20483
0.686502	0.958532	0.006884	-1.62426	FALSE	1.62426	0.880406
0.47202	0.754765	0.082219	-0.38508	FALSE	0.385077	-2.40139
0.806357	0.887421	0.023741	1.01492	1.01492	1.01492	0.333547
0.737614	0.956358	0.00725	-1.1533	FALSE	1.1533	0.612774
0.362939	1.048202	4.49E-05	-1.16801	FALSE	1.16801	-2.23596
0.714771	0.675432	0.134008	1.36328	1.36328	1.36328	0.338056
0.685249	1.031371	0.000103	-2.00558	FALSE	2.00558	0.702414
0.185077	0.550026	0.24155	-1.83403	FALSE	1.83403	-1.61718
0.656585	0.922004	0.01428	1.67171	1.67171	1.67171	-0.78282
0.513006	0.883447	0.024982	-0.76039	FALSE	0.760385	0.99463
0.320462	0.96849	0.005331	-1.6949	FALSE	1.6949	-2.22083
0.554635	0.873641	0.028178	1.64015	1.64015	1.64015	-0.47236
0.532951	0.886884	0.023907	0.050241	0.050241	0.050241	1.16758
0.483568	1.404935	0.132083	-2.47074	FALSE	2.47074	-1.88202
0.459976	1.27794	0.055902	1.37627	1.37627	1.37627	-1.28395
0.417652	0.924528	0.013683	-0.07032	FALSE	0.070317	1.16876
0.369141	1.027963	0.000183	-2.06463	FALSE	2.06463	-1.41707
0.312326	1.04229	6.19E-07	1.0059	1.0059	1.0059	-1.92592
0.632788	1.252921	0.044697	0.509929	0.509929	0.509929	1.52184

0.454928	1.353995	0.097651	-2.24788	FALSE	2.24788	-1.20354
0.423498	0.913685	0.016337	1.2073	1.2073	1.2073	-2.53752
0.629161	1.156515	0.013228	1.01213	1.01213	1.01213	0.844335
0.469123	0.944639	0.009383	-2.08234	FALSE	2.08234	-0.25067
0.489426	1.53988	0.248379	1.10016	1.10016	1.10016	-2.71154
0.856766	1.093827	0.002738	0.682339	0.682339	0.682339	1.4585
0.719888	1.31193	0.073131	-1.67525	FALSE	1.67525	0.339237
0.568293	1.004452	0.001373	0.150402	0.150402	0.150402	-2.82952
0.95015	1.12782	0.007451	1.23929	1.23929	1.23929	1.67504
0.67864	1.266876	0.050793	-1.7855	FALSE	1.7855	0.775414
0.639553	1.233225	0.036757	-0.27547	FALSE	0.275469	-2.36747
0.746298	0.841008	0.040198	0.641222	0.641222	0.641222	0.942134
0.548005	0.971264	0.004934	-2.15233	FALSE	2.15233	0.666021
0.439732	0.690319	0.12333	-0.40988	FALSE	0.409876	-2.90037
0.634484	0.515262	0.27693	1.42114	1.42114	1.42114	0.888135
0.625417	0.86398	0.031514	-1.39946	FALSE	1.39946	0.233708
0.349936	0.730218	0.096899	-1.0862	FALSE	1.0862	-0.15427
0.727428	0.724995	0.100177	1.39967	1.39967	1.39967	0.335694
Ave	1.041503					
Variance	0.064448					

Sum Sw 3.286833

Medium cc [m] bottom	[I] 1	[I] 1 pos	[I] 1 abs	[I] 2		
0.331889	-1.11898	0.14591	-1.39689	-1.39689	1.39689	-1.42426
0.530554	-1.22684	0.075145	1.40504	FALSE	1.40504	-0.3168
0.574211	-1.30735	0.037486	-0.78787	-0.78787	0.787867	0.661405
0.302855	-1.32142	0.032237	-1.1767	-1.1767	1.1767	-1.42362
0.361185	-1.42276	0.006116	1.25475	FALSE	1.25475	-0.78121
0.506767	-0.46813	1.066736	0.262587	FALSE	0.262587	0.985505
0.471317	-1.6468	0.021269	-2.72249	-2.72249	2.72249	-1.8248
0.421684	-1.34648	0.023865	1.06999	FALSE	1.06999	-1.04455
0.505432	-0.93553	0.319711	0.814276	FALSE	0.814276	0.787438
0.22048	-1.54474	0.001917	-2.19903	-2.19903	2.19903	-1.48234
0.488506	-1.24517	0.065432	1.55383	FALSE	1.55383	-2.5212
0.558156	-0.63099	0.756857	1.08427	FALSE	1.08427	1.81975
0.409124	-1.63704	0.018516	-2.04874	-2.04874	2.04874	-0.72582
0.481743	-1.10625	0.155797	0.949434	FALSE	0.949434	-2.3665
0.656405	-1.08706	0.171315	0.834781	FALSE	0.834781	1.50037
0.569164	-2.18819	0.472281	-2.37305	-2.37305	2.37305	-0.35459
0.483067	-1.31422	0.034872	1.16468	FALSE	1.16468	-2.63263
0.561984	-1.20387	0.088267	0.097692	FALSE	0.097692	1.09082
0.772864	-2.15711	0.430529	-1.89382	-1.89382	1.89382	0.410412
0.408838	-1.72736	0.051253	0.40322	FALSE	0.40322	-2.77155
0.796623	-2.43189	0.866616	0.875038	FALSE	0.875038	1.1533
0.682481	-1.14858	0.124177	-1.09125	-1.09125	1.09125	0.213419
0.311014	-1.45969	0.001704	-0.01932	-0.01932	0.019324	-2.16779
0.920354	-2.2226	0.520753	1.184	FALSE	1.184	1.20483

0.686502	-2.04026	0.290841	-1.62426	-1.62426	1.62426	0.880406
0.47202	-1.95905	0.209839	-0.38508	-0.38508	0.385077	-2.40139
0.806357	-1.96355	0.213987	1.01492	FALSE	1.01492	0.333547
0.737614	-1.91884	0.174621	-1.1533	-1.1533	1.1533	0.612774
0.362939	-1.4458	0.003043	-1.16801	-1.16801	1.16801	-2.23596
0.714771	-2.29012	0.622769	1.36328	FALSE	1.36328	0.338056
0.685249	-1.78336	0.079748	-2.00558	-2.00558	2.00558	0.702414
0.185077	-1.50474	1.43E-05	-1.83403	-1.83403	1.83403	-1.61718
0.656585	-1.45421	0.002186	1.67171	FALSE	1.67171	-0.78282
0.513006	-1.15507	0.119642	-0.76039	-0.76039	0.760385	0.99463
0.320462	-1.25632	0.059849	-1.6949	-1.6949	1.6949	-2.22083
0.554635	-1.46359	0.001397	1.64015	FALSE	1.64015	-0.47236
0.532951	-0.88121	0.384092	0.050241	FALSE	0.050241	1.16758
0.483568	-1.08756	0.170899	-2.47074	-2.47074	2.47074	-1.88202
0.459976	-1.16208	0.114844	1.37627	FALSE	1.37627	-1.28395
0.417652	-0.69107	0.655924	-0.07032	-0.07032	0.070317	1.16876
0.369141	-1.20658	0.08666	-2.06463	-2.06463	2.06463	-1.41707
0.312326	-1.17665	0.105179	1.0059	FALSE	1.0059	-1.92592
0.632788	-0.91769	0.340202	0.509929	FALSE	0.509929	1.52184
0.454928	-1.57345	0.005254	-2.24788	-2.24788	2.24788	-1.20354
0.423498	-1.53186	0.000954	1.2073	FALSE	1.2073	-2.53752
0.629161	-0.98522	0.265992	1.01213	FALSE	1.01213	0.844335
0.469123	-2.14928	0.420308	-2.08234	-2.08234	2.08234	-0.25067
0.489426	-1.39627	0.010961	1.10016	FALSE	1.10016	-2.71154
0.856766	-1.61949	0.014047	0.682339	FALSE	0.682339	1.4585
0.719888	-1.77756	0.076506	-1.67525	-1.67525	1.67525	0.339237
0.568293	-1.61252	0.012446	0.150402	FALSE	0.150402	-2.82952
0.95015	-2.02405	0.273615	1.23929	FALSE	1.23929	1.67504
0.67864	-1.70896	0.043264	-1.7855	-1.7855	1.7855	0.775414
0.639553	-1.85972	0.128709	-0.27547	-0.27547	0.275469	-2.36747
0.746298	-2.02856	0.278353	0.641222	FALSE	0.641222	0.942134
0.548005	-1.38186	0.014187	-2.15233	-2.15233	2.15233	0.666021
0.439732	-2.28621	0.616605	-0.40988	-0.40988	0.409876	-2.90037
0.634484	-2.52791	1.05462	1.42114	FALSE	1.42114	0.888135
0.625417	-1.54965	0.00237	-1.39946	-1.39946	1.39946	0.233708
0.349936	-1.94863	0.200406	-1.0862	-1.0862	1.0862	-0.15427
0.727428	-2.38368	0.779189	1.39967	FALSE	1.39967	0.335694
Ave	-1.50096					
Variance	0.203218					
Sum Sw		10.36413				

[I] 2 pos	[I] 2 abs	[I] 3	[I] 3 pos	[I] 3 abs	Low concer	[I] pos	Sw
FALSE	1.42426	-0.44595	FALSE	0.445946	0.279378	0	0.776436
FALSE	0.3168	-2.6351	FALSE	2.6351	0.281008	1.40504	0.274454
0.661405	0.661405	1.53505	1.53505	1.53505	1.036155	1.098228	0.04712
FALSE	1.42362	0.274825	0.274825	0.274825	0.34527	0.274825	0.367638
FALSE	0.781211	-2.5343	FALSE	2.5343	0.25095	1.25475	0.139572
0.985505	0.985505	1.77971	1.77971	1.77971	1.158603	1.009267	0.016412
FALSE	1.8248	0.53097	0.53097	0.53097	0.756886	0.53097	0.12263
FALSE	1.04455	-2.79495	FALSE	2.79495	0.213998	1.06999	0.035658
0.787438	0.787438	1.04015	1.04015	1.04015	0.89389	0.880621	2.86E-07
FALSE	1.48234	1.37005	1.37005	1.37005	0.987826	1.37005	0.239017
FALSE	2.5212	-2.64691	FALSE	2.64691	0.310766	1.55383	0.45249
1.81975	1.81975	1.3358	1.3358	1.3358	1.479074	1.413273	0.283149
FALSE	0.725817	1.00451	1.00451	1.00451	0.811552	1.00451	0.015216
FALSE	2.3665	-2.62716	FALSE	2.62716	0.189887	0.949434	0.004662
1.50037	1.50037	1.20579	1.20579	1.20579	1.24942	1.180314	0.089495
FALSE	0.354588	1.09447	1.09447	1.09447	0.912398	1.09447	0.045503
FALSE	2.63263	-1.84637	FALSE	1.84637	0.232936	1.16468	0.080386
1.09082	1.09082	0.658721	0.658721	0.658721	0.719355	0.615744	0.070444
0.410412	0.410412	1.13258	1.13258	1.13258	0.995961	0.771496	0.012025
FALSE	2.77155	-1.9884	FALSE	1.9884	0.080644	0.40322	0.228423
1.1533	1.1533	0.016532	0.016532	0.016532	0.64294	0.681623	0.039813
0.213419	0.213419	0.856895	0.856895	0.856895	0.646376	0.535157	0.119716
FALSE	2.16779	-0.96167	FALSE	0.961672	0.003865	0	0.776436
1.20483	1.20483	-0.58572	FALSE	0.58572	0.718732	1.194415	0.098131
0.880406	0.880406	1.33601	1.33601	1.33601	1.211418	1.108208	0.051552
FALSE	2.40139	-1.80171	FALSE	1.80171	0.077015	0	0.776436
0.333547	0.333547	-0.91293	FALSE	0.912934	0.336403	0.674234	0.042817
0.612774	0.612774	1.85131	1.85131	1.85131	1.216294	1.232042	0.123121
FALSE	2.23596	-1.45947	FALSE	1.45947	0.233602	0	0.776436
0.338056	0.338056	-0.93076	FALSE	0.930755	0.407878	0.850668	0.00093
0.702414	0.702414	1.66709	1.66709	1.66709	1.348918	1.184752	0.09217
FALSE	1.61718	-1.05883	FALSE	1.05883	0.366806	0	0.776436
FALSE	0.782821	-2.10413	FALSE	2.10413	0.334342	1.67171	0.624975
0.99463	0.99463	1.57863	1.57863	1.57863	1.181381	1.28663	0.164409
FALSE	2.22083	-0.85518	FALSE	0.855178	0.33898	0	0.776436
FALSE	0.472355	-2.42469	FALSE	2.42469	0.32803	1.64015	0.576071
1.16758	1.16758	1.02651	1.02651	1.02651	0.887684	0.74811	0.017701
FALSE	1.88202	-0.38658	FALSE	0.38658	0.494148	0	0.776436
FALSE	1.28395	-2.37982	FALSE	2.37982	0.275254	1.37627	0.245138
1.16876	1.16876	1.74278	1.74278	1.74278	1.178679	1.45577	0.330181
FALSE	1.41707	1.07719	1.07719	1.07719	0.843802	1.07719	0.038429
FALSE	1.92592	-2.45861	FALSE	2.45861	0.20118	1.0059	0.015561
1.52184	1.52184	1.65163	1.65163	1.65163	1.371374	1.2278	0.120162

FALSE	1.20354	0.974233	0.974233	0.974233	0.839269	0.974233	0.008663
FALSE	2.53752	-2.5343	FALSE	2.5343	0.24146	1.2073	0.10637
0.844335	0.844335	0.862478	0.862478	0.862478	0.885151	0.906314	0.000633
FALSE	0.25067	1.36543	1.36543	1.36543	0.96264	1.36543	0.234521
FALSE	2.71154	-2.3255	FALSE	2.3255	0.220032	1.10016	0.047963
1.4585	1.4585	0.565216	0.565216	0.565216	0.945954	0.902018	0.000435
0.339237	0.339237	0.774341	0.774341	0.774341	0.780481	0.556789	0.105214
FALSE	2.82952	-2.28878	FALSE	2.28878	0.03008	0.150402	0.534002
1.67504	1.67504	0.362103	0.362103	0.362103	1.062715	1.092144	0.044516
0.775414	0.775414	1.25271	1.25271	1.25271	1.16835	1.014062	0.017664
FALSE	2.36747	-1.10091	FALSE	1.10091	0.055094	0	0.776436
0.942134	0.942134	-0.20505	FALSE	0.205045	0.505098	0.791678	0.008006
0.666021	0.666021	1.16586	1.16586	1.16586	1.163218	0.915941	0.00121
FALSE	2.90037	-1.60311	FALSE	1.60311	0.081975	0	0.776436
0.888135	0.888135	-0.95459	FALSE	0.954587	0.639482	1.154638	0.074792
0.233708	0.233708	1.18744	1.18744	1.18744	0.848351	0.710574	0.029098
FALSE	0.154267	-1.47536	FALSE	1.47536	0.21724	0	0.776436
0.335694	0.335694	-1.32034	FALSE	1.32034	0.414212	0.867682	0.000182

Ave 0.881156

Variance 0.214522

Sum Sw 10.94064

[] 2 pos	[] 2 abs	[] 3	[] 3 pos	[] 3 abs	Low concer	[] bottom	
-1.42426	1.42426	-0.44595	-0.44595	0.445946	0.279378	-1.08903	0.02831
-0.3168	0.3168	-2.6351	-2.6351	2.6351	0.281008	-1.47595	0.047813
FALSE	0.661405	1.53505	FALSE	1.53505	1.036155	-0.78787	0.220357
-1.42362	1.42362	0.274825	FALSE	0.274825	0.34527	-1.30016	0.001838
-0.78121	0.781211	-2.5343	-2.5343	2.5343	0.25095	-1.65776	0.160374
FALSE	0.985505	1.77971	FALSE	1.77971	1.158603	0	1.580774
-1.8248	1.8248	0.53097	FALSE	0.53097	0.756886	-2.27365	1.03298
-1.04455	1.04455	-2.79495	-2.79495	2.79495	0.213998	-1.91975	0.438855
FALSE	0.787438	1.04015	FALSE	1.04015	0.89389	0	1.580774
-1.48234	1.48234	1.37005	FALSE	1.37005	0.987826	-1.84069	0.340351
-2.5212	2.5212	-2.64691	-2.64691	2.64691	0.310766	-2.58406	1.760309
FALSE	1.81975	1.3358	FALSE	1.3358	1.479074	0	1.580774
-0.72582	0.725817	1.00451	FALSE	1.00451	0.811552	-1.38728	0.016897
-2.3665	2.3665	-2.62716	-2.62716	2.62716	0.189887	-2.49683	1.536463
FALSE	1.50037	1.20579	FALSE	1.20579	1.24942	0	1.580774
-0.35459	0.354588	1.09447	FALSE	1.09447	0.912398	-1.36382	0.011349
-2.63263	2.63263	-1.84637	-1.84637	1.84637	0.232936	-2.2395	0.964739
FALSE	1.09082	0.658721	FALSE	0.658721	0.719355	0	1.580774
FALSE	0.410412	1.13258	FALSE	1.13258	0.995961	-1.89382	0.405172
-2.77155	2.77155	-1.9884	-1.9884	1.9884	0.080644	-2.37998	1.260425
FALSE	1.1533	0.016532	FALSE	0.016532	0.64294	0	1.580774
FALSE	0.213419	0.856895	FALSE	0.856895	0.646376	-1.09125	0.027569
-2.16779	2.16779	-0.96167	-0.96167	0.961672	0.003865	-1.0496	0.043136
FALSE	1.20483	-0.58572	-0.58572	0.58572	0.718732	-0.58572	0.451004

FALSE	0.880406	1.33601	FALSE	1.33601
-2.40139	2.40139	-1.80171	-1.80171	1.80171
FALSE	0.333547	-0.91293	-0.91293	0.912934
FALSE	0.612774	1.85131	FALSE	1.85131
-2.23596	2.23596	-1.45947	-1.45947	1.45947
FALSE	0.338056	-0.93076	-0.93076	0.930755
FALSE	0.702414	1.66709	FALSE	1.66709
-1.61718	1.61718	-1.05883	-1.05883	1.05883
-0.78282	0.782821	-2.10413	-2.10413	2.10413
FALSE	0.99463	1.57863	FALSE	1.57863
-2.22083	2.22083	-0.85518	-0.85518	0.855178
-0.47236	0.472355	-2.42469	-2.42469	2.42469
FALSE	1.16758	1.02651	FALSE	1.02651
-1.88202	1.88202	-0.38658	-0.38658	0.38658
-1.28395	1.28395	-2.37982	-2.37982	2.37982
FALSE	1.16876	1.74278	FALSE	1.74278
-1.41707	1.41707	1.07719	FALSE	1.07719
-1.92592	1.92592	-2.45861	-2.45861	2.45861
FALSE	1.52184	1.65163	FALSE	1.65163
-1.20354	1.20354	0.974233	FALSE	0.974233
-2.53752	2.53752	-2.5343	-2.5343	2.5343
FALSE	0.844335	0.862478	FALSE	0.862478
-0.25067	0.25067	1.36543	FALSE	1.36543
-2.71154	2.71154	-2.3255	-2.3255	2.3255
FALSE	1.4585	0.565216	FALSE	0.565216
FALSE	0.339237	0.774341	FALSE	0.774341
-2.82952	2.82952	-2.28878	-2.28878	2.28878
FALSE	1.67504	0.362103	FALSE	0.362103
FALSE	0.775414	1.25271	FALSE	1.25271
-2.36747	2.36747	-1.10091	-1.10091	1.10091
FALSE	0.942134	-0.20505	-0.20505	0.205045
FALSE	0.666021	1.16586	FALSE	1.16586
-2.90037	2.90037	-1.60311	-1.60311	1.60311
FALSE	0.888135	-0.95459	-0.95459	0.954587
FALSE	0.233708	1.18744	FALSE	1.18744
-0.15427	0.154267	-1.47536	-1.47536	1.47536
FALSE	0.335694	-1.32034	-1.32034	1.32034

1.211418	-1.62426	0.134668
0.077015	-1.52939	0.07404
0.336403	-0.91293	0.11858
1.216294	-1.1533	0.010814
0.233602	-1.62115	0.132393
0.407878	-0.93076	0.106624
1.348918	-2.00558	0.55994
0.366806	-1.50335	0.060545
0.334342	-1.44348	0.034666
1.181381	-0.76039	0.246913
0.33898	-1.5903	0.110898
0.32803	-1.44852	0.03657
0.887684	0	1.580774
0.494148	-1.57978	0.104001
0.275254	-1.83189	0.330161
1.178679	-0.07032	1.408901
0.843802	-1.74085	0.233832
0.20118	-2.19227	0.874181
1.371374	0	1.580774
0.839269	-1.72571	0.219419
0.24146	-2.53591	1.634873
0.885151	0	1.580774
0.96264	-1.16651	0.008242
0.220032	-2.51852	1.590705
0.945954	0	1.580774
0.780481	-1.67525	0.174692
0.03008	-2.55915	1.694843
1.062715	0	1.580774
1.16835	-1.7855	0.279007
0.055094	-1.24795	8.72E-05
0.505098	-0.20505	1.107216
1.163218	-2.15233	0.801099
0.081975	-1.63779	0.144778
0.639482	-0.95459	0.091628
0.848351	-1.39946	0.020213
0.21724	-0.90528	0.123913
0.414212	-1.32034	0.003975

Ave -1.25729
Variance 0.72794

Sum Sw 37.12496

ANOVA: pos

Ho: $\mu(h) = \mu(m) = \mu(l)$

Pooled ave

H1: means not all equal, $\alpha = 0.05$

0.817493

Critical value from F distribution:

$$df1 = k - 1 = 3 - 1 = 2$$

$$df2 = N - k = 150 - 3 = 147$$

Reject Ho if $F > 3.05762065$

Table

Source of v	Sum of squ	Degrees of	Mean squa	F
Between	6.986438	2	3.493219	27.46513
Within	18.69655	147	0.127187	
Total	25.68299	149		

Conclusion: reject Ho: $\mu(\text{med}) = \mu(\text{cul}) = \mu(\text{magn})$, $F > 3.057$

Thus, there is a significant difference between the voltage measured on the medium, culture

ANOVA: neg

Ho: $\mu(\text{med}) = \mu(\text{cul}) = \mu(\text{magn})$
H1: means not all equal, $\alpha = 0.05$

Pooled ave
-1.26829

Critical value from F distribution:

$$df1 = k-1 = 3-1 = 2$$

$$df2 = N-k = 150 - 3 = 147$$

Reject Ho if $F > 3.05762065$

Table

Source of v	Sum of squ	Degrees of	Mean squa	F
Between	5.273029	2	2.636514	6.917337
Within	56.02845	147	0.381146	
Total	61.30147	149		

Conclusion: reject Ho: $\mu(\text{med}) = \mu(\text{cul}) = \mu(\text{magn})$, $F > 3.057$

Thus, there is a significant difference between the voltage measured on the medium, culture

e and purified magnetosomes.

e and purified magnetosomes.