

# WAVi Child Behavioral Report

(Anonymized) Male, 10 — Generated: 3/5/2019 12:48 PM



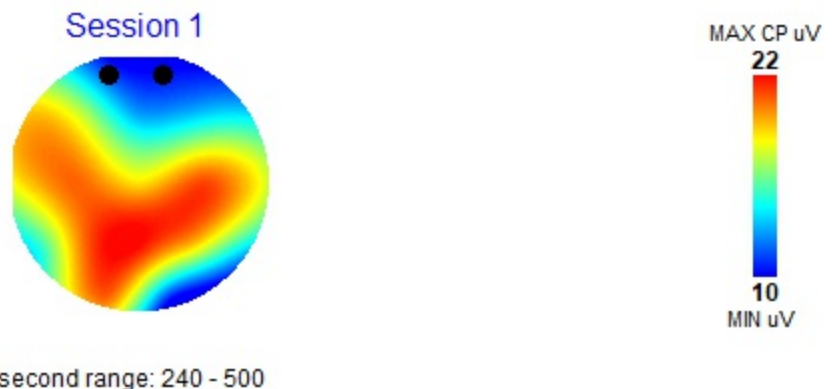
Session Number (Created Date)	Original Title	Reason for Visit	Followup	Change	Hrs. of Sleep   Hrs. Since Meal
Session 1 (2/27/2019)	Routine	Other	No	N/A	7-9   4-6

**Symbol Key:** ■ = Low Data Yield, \* = Sync Blinks which may affect accuracy of reported P300 depth

Screening Scores	Session 1 (2/27/2019)	Ref. Range (10 yrs)
Hamilton Anxiety Rating Scale (HAM-A) For all ages.	N/A	≤ 17
Patient Health Questionnaire-9 (PHQ-9) For ages 13+.	N/A	< 5
Child ADHD Symptom Checklist (DSM-5) For ages up to 17 years.	N/A	< 6
Bipolar Spectrum Diagnostic Scale (BSDS)	N/A	< 6
Performance Assessments		
Physical Reaction Time	419 (±114) ms	276–454 ms
Evoked Potentials (Best Central Parietal)		
Audio P300 Delay	■ 288 ms	254–322 ms
Test/Retest Change	-	±6%
Audio P300 Voltage	■ 22.1 μV	12–26 μV
Test/Retest Change	-	±12%
State (Power)		
CZ Eyes Open Theta/Beta	6.7	0.8–2.8
CZ Eyes Closed Theta/Beta	■ 6.3	0.8–2.8
F3/F4 Eyes Closed Alpha	■ 0.9	0.8–1.2

### Maximum P300 Test Depth (μV)

BLACK DOTS INDICATE LOCATIONS WITH LESS THAN 15 CLEAN P300 RARE RESPONSES. TOPO COLORS AROUND DOTS MAY BE AFFECTED.



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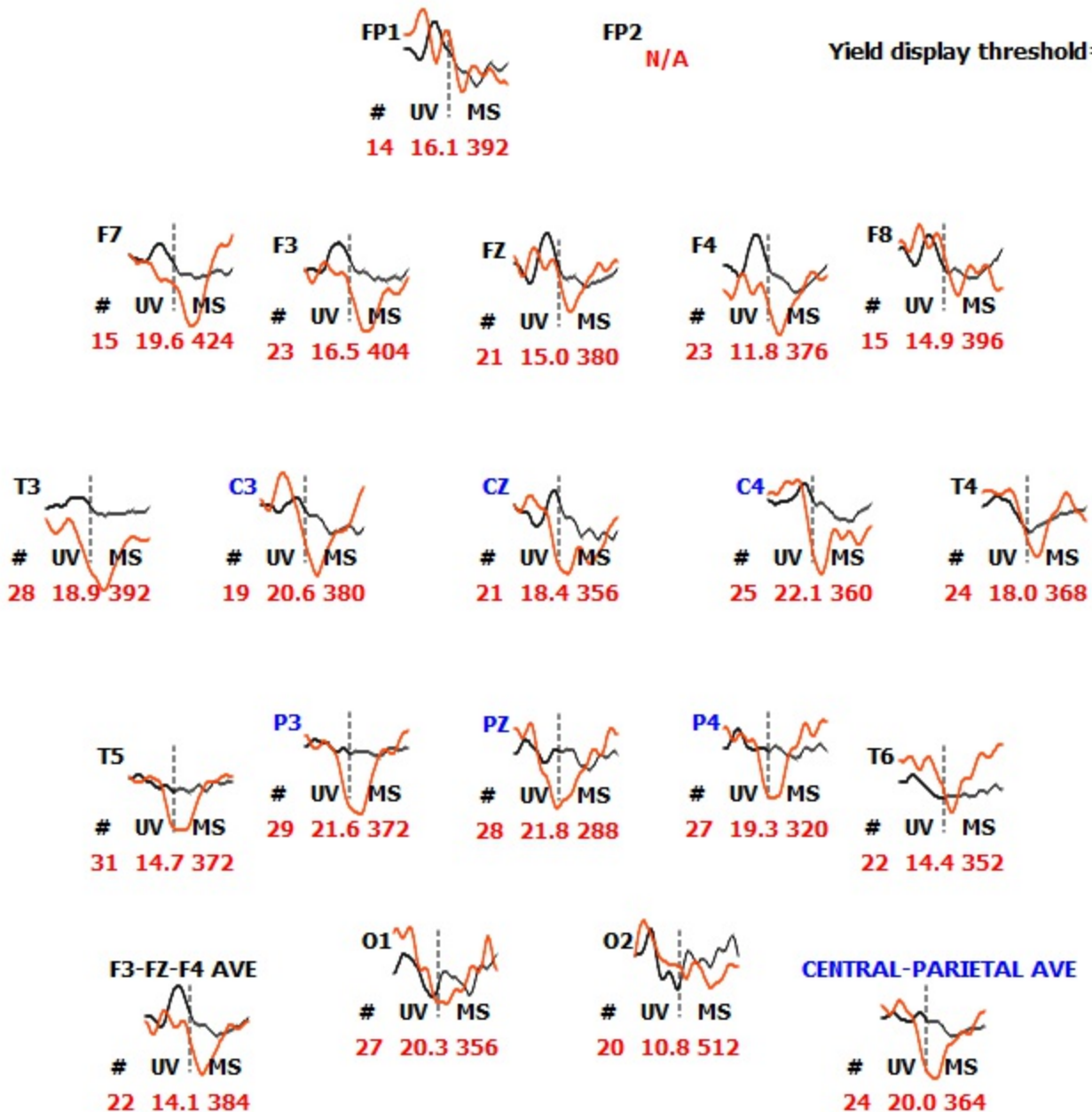
## P300 Common/Rare Comparison - Session 1 (2/27/2019)

For only one session, the common responses are compared to the rare responses.

Color Key

Common  Rare

**Largest depths between 200-700 msec are reported. P300s typically occur between 240 and 450 msec. Probable depth and latency of true P300 is indicated on 1st page of report.**



Black dotted lines at 300 msec post stimulus.

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## Flanker ERP & Metrics - Session 1 (2/27/2019)

### Color Key

Session 1



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NO FLANKER FILE FOUND FOR ANY SESSION.

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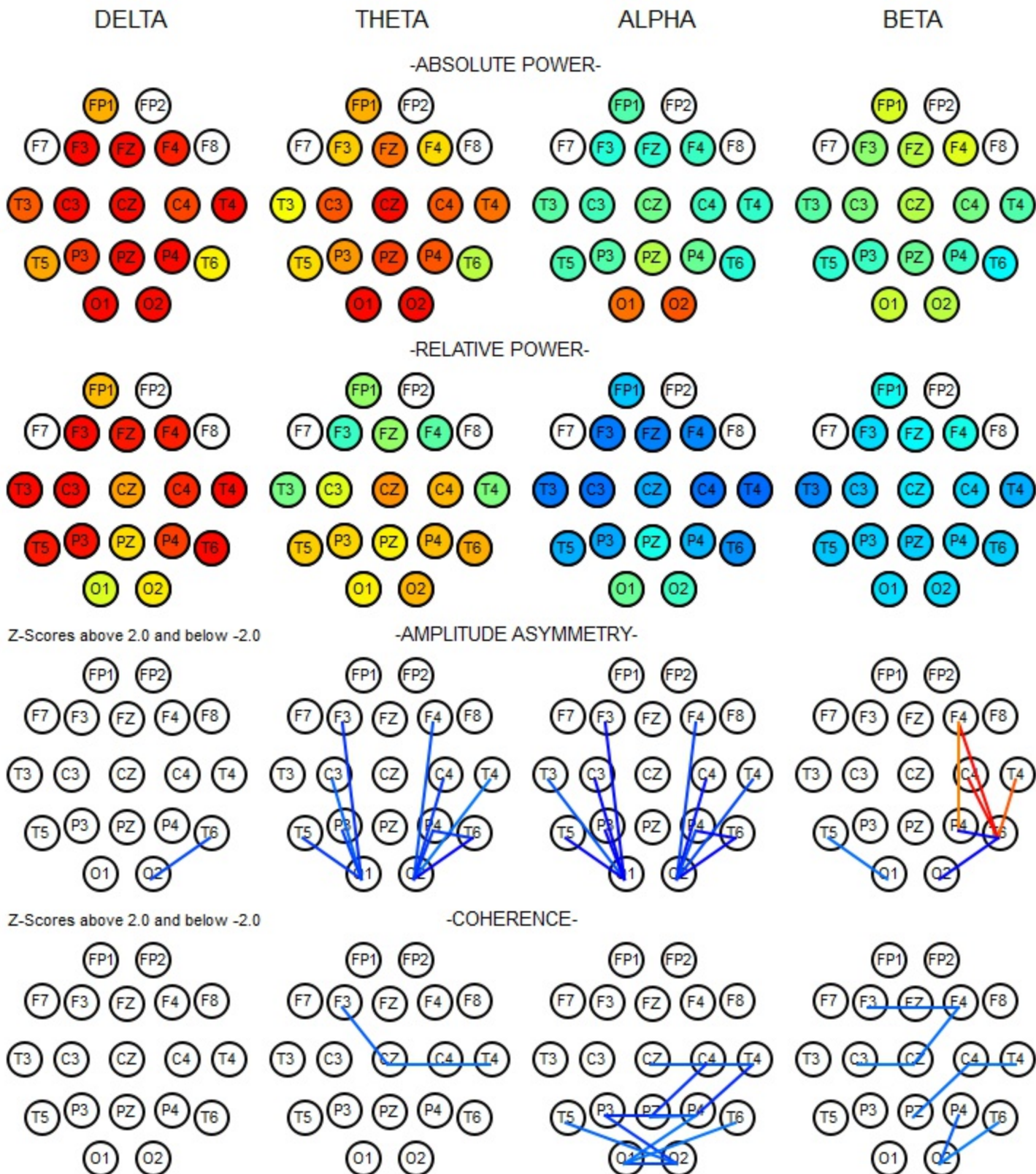
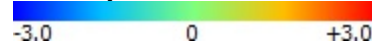


## Eyes Closed P300 Z Scores Session 1 (2/27/2019)

### Band Ranges

Delta: 1.0–4.0 Hz | Theta: 4.5–7.5 Hz  
Alpha: 8.0–13.0 Hz | Beta: 13.5–20.0 Hz

### Color Key



# WAVi Child Behavioral Report

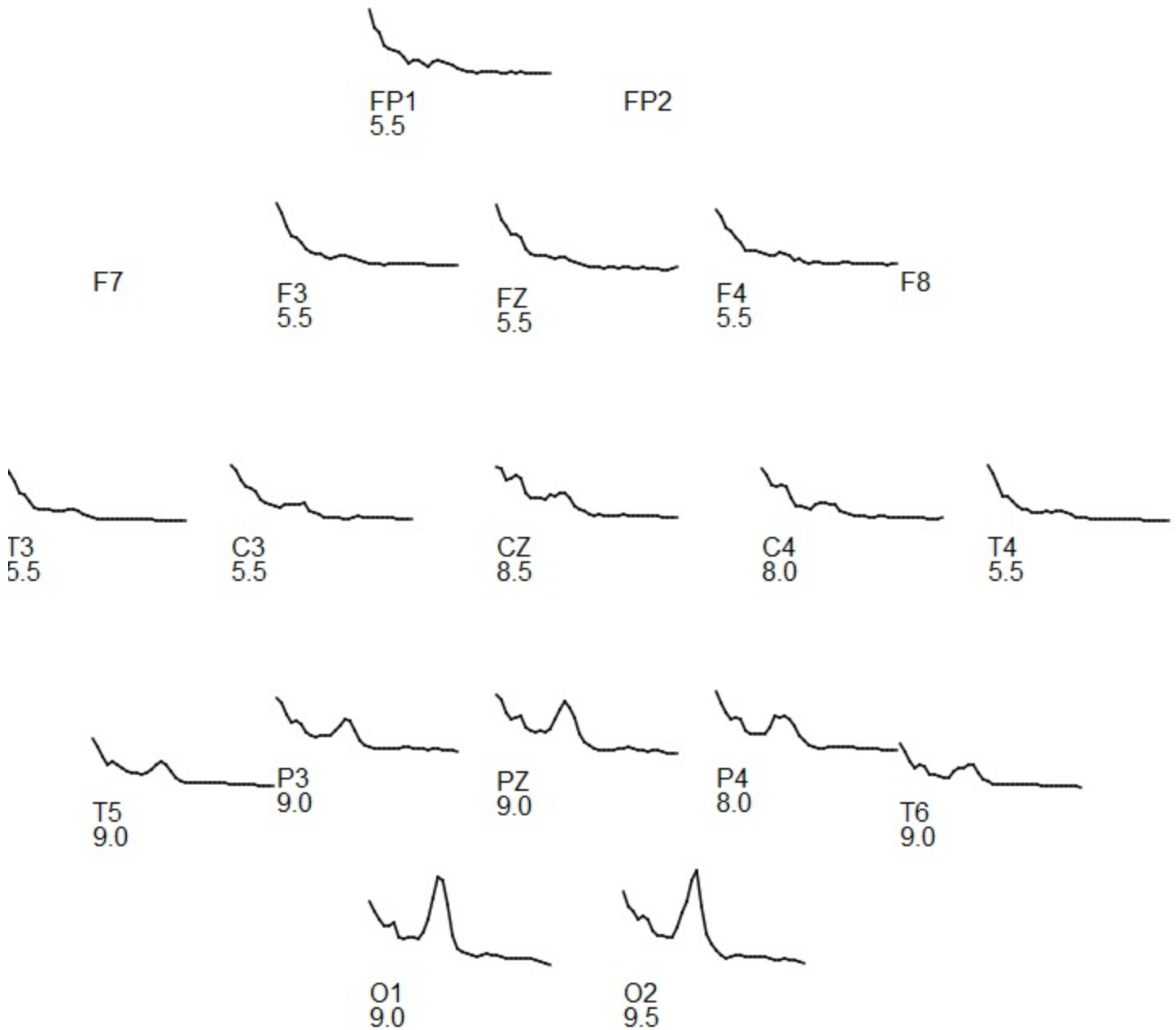
(Anonymized) Male, 10 — Generated: 3/5/2019 12:48 PM



## Eyes Closed P300 Alpha Peaks

Color Key

Session 1  
(2/27/2019)



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## Coherence Network Graphs

Row shows color-mapped coherence between head locations.

### COHERENCE

DELTA  
(1.0 - 4.0 HZ)

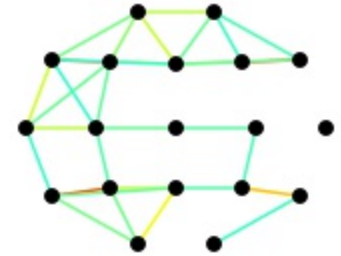
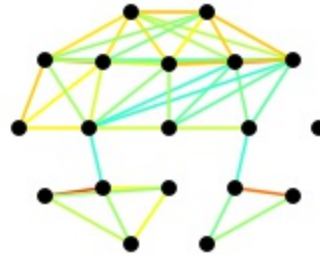
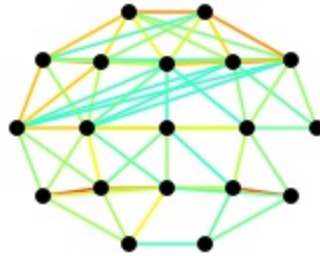
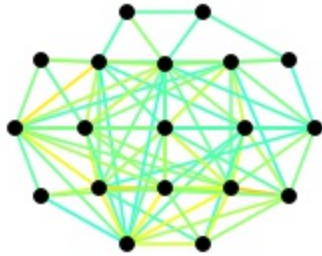
THETA  
(4.5 - 7.5 HZ)

ALPHA  
(8.0 - 13.0 HZ)

BETA  
(13.5 - 20.0 HZ)

Session 1 Threshold=0.4

COHERENCE BETWEEN 0 AND 1  
0.0 1.0



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## Magnitude Band Tables, Eyes Closed P300

UNITS: Total peak-peak microvolts within each band

### Band Ranges

Delta: 1.0–4.0 Hz

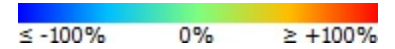
Theta: 4.5–7.5 Hz

Alpha: 8.0–13.0 Hz

Beta: 13.5–20.0 Hz

### Color Key

(Difference from reference session)



### Session 1 (2/27/2019)

LOC	DELTA	THETA	ALPHA	BETA	NUMINC
FP1	86	19	14	30	78
FP2	96	19	14	33	42
F3	85	18	13	23	137
F4	93	21	14	27	111
F7	91	18	12	22	78
F8	94	20	14	24	78
C3	91	22	17	23	132
C4	95	22	18	23	121
P3	82	22	24	22	165
P4	85	23	31	23	148
O1	93	30	56	34	134
O2	90	34	59	35	121
T3	78	17	12	18	163
T4	80	16	12	20	143
T5	67	17	19	18	180
T6	93	15	19	15	132
FZ	87	23	16	29	126
CZ	96	29	23	28	120
PZ	84	28	36	25	160

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## Magnitude Band Tables, Eyes Open Focused

UNITS: Total peak-peak microvolts within each band

### Band Ranges

Delta: 1.0–4.0 Hz

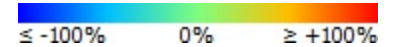
Theta: 4.5–7.5 Hz

Alpha: 8.0–13.0 Hz

Beta: 13.5–20.0 Hz

### Color Key

(Difference from reference session)



### Session 1 (2/27/2019)

LOC	DELTA	THETA	ALPHA	BETA	NUMINC
FP1	86	18	11	38	107
FP2	87	19	12	36	106
F3	87	20	11	23	163
F4	88	21	12	27	156
F7	90	20	10	21	129
F8	86	19	11	23	158
C3	94	21	13	23	171
C4	87	21	13	22	173
P3	95	20	14	21	165
P4	97	20	15	20	174
O1	94	25	22	27	153
O2	88	26	25	28	140
T3	85	18	9	19	160
T4	87	16	9	18	171
T5	82	16	11	19	198
T6	75	13	9	14	219
FZ	84	24	13	28	153
CZ	89	27	18	26	158
PZ	87	23	18	22	135



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## CohERENCE Band Table, Eyes Closed P300 Session 1 (2/27/2019)

**Abbreviation Key**  
 D = Delta (1.0–4.0 Hz)  
 T = Theta (4.5–7.5 Hz)  
 A = Alpha (8.0–13.0 Hz)  
 B = Beta (13.5–20.0 Hz)  
 N = Number of included locations

**Color Key**  
 (Difference from reference session)

≤ -100%      0%      ≥ +100%

PAIR	D	T	A	B	N	PAIR	D	T	A	B	N	PAIR	D	T	A	B	N	PAIR	D	T	A	B	N
FP1-FP2	.45	.82	.75	.59	31	F3-O2	.28	.03	.10	.02	94	F8-T3	.37	.40	.29	.05	64	P4-T4	.53	.31	.11	.12	116
FP1-F3	.44	.71	.70	.53	63	F3-T3	.70	.73	.67	.47	120	F8-T4	.42	.54	.35	.09	59	P4-T5	.37	.31	.05	.06	136
FP1-F4	.37	.56	.57	.27	55	F3-T4	.36	.22	.07	.06	105	F8-T5	.28	.14	.05	.02	70	P4-T6	.75	.90	.86	.74	105
FP1-F7	.37	.74	.71	.50	39	F3-T5	.30	.26	.09	.10	118	F8-T6	.28	.25	.05	.05	53	P4-FZ	.47	.13	.06	.07	111
FP1-F8	.34	.51	.59	.27	33	F3-T6	.31	.08	.05	.02	92	F8-FZ	.49	.74	.74	.48	51	P4-CZ	.61	.41	.19	.30	109
FP1-C3	.34	.26	.40	.15	58	F3-FZ	.68	.72	.69	.55	104	F8-CZ	.30	.29	.46	.19	51	P4-PZ	.64	.61	.40	.45	133
FP1-C4	.26	.24	.22	.09	57	F3-CZ	.46	.30	.37	.22	95	F8-PZ	.32	.13	.08	.04	72	O1-O2	.62	.43	.23	.32	105
FP1-P3	.30	.07	.05	.04	70	F3-PZ	.38	.13	.07	.06	122	C3-C4	.64	.54	.30	.14	100	O1-T3	.49	.20	.04	.11	110
FP1-P4	.22	.06	.03	.03	69	F4-F7	.39	.47	.39	.13	53	C3-P3	.61	.67	.40	.44	120	O1-T4	.37	.07	.10	.02	111
FP1-O1	.23	.03	.06	.03	63	F4-F8	.55	.98	.98	.94	48	C3-P4	.54	.31	.05	.10	116	O1-T5	.41	.56	.58	.50	118
FP1-O2	.19	.02	.07	.02	55	F4-C3	.51	.41	.41	.12	93	C3-O1	.44	.21	.06	.12	107	O1-T6	.56	.24	.06	.12	97
FP1-T3	.35	.38	.34	.17	66	F4-C4	.61	.53	.49	.33	88	C3-O2	.36	.07	.08	.04	101	O1-FZ	.40	.04	.06	.03	95
FP1-T4	.22	.17	.10	.05	61	F4-P3	.40	.18	.06	.03	100	C3-T3	.67	.73	.68	.58	113	O1-CZ	.45	.18	.05	.10	99
FP1-T5	.25	.07	.03	.04	73	F4-P4	.49	.21	.06	.06	99	C3-T4	.45	.21	.04	.03	104	O1-PZ	.67	.67	.66	.65	122
FP1-T6	.17	.07	.05	.02	53	F4-O1	.39	.08	.08	.02	87	C3-T5	.39	.57	.31	.37	115	O2-T3	.39	.07	.10	.02	107
FP1-FZ	.52	.66	.71	.61	68	F4-O2	.34	.05	.05	.02	89	C3-T6	.37	.23	.04	.04	86	O2-T4	.37	.09	.04	.05	101
FP1-CZ	.27	.16	.33	.15	53	F4-T3	.43	.41	.23	.05	96	C3-FZ	.58	.46	.52	.32	100	O2-T5	.27	.16	.06	.10	111
FP1-PZ	.27	.05	.07	.04	72	F4-T4	.50	.47	.26	.06	85	C3-CZ	.71	.69	.62	.47	106	O2-T6	.53	.49	.54	.41	90
FP2-F3	.35	.52	.51	.21	33	F4-T5	.23	.16	.03	.02	105	C3-PZ	.54	.46	.21	.28	115	O2-FZ	.31	.02	.07	.02	93
FP2-F4	.37	.72	.74	.42	31	F4-T6	.40	.20	.04	.05	80	C4-P3	.40	.37	.12	.08	110	O2-CZ	.37	.07	.05	.06	97
FP2-F7	.32	.43	.53	.20	22	F4-FZ	.67	.78	.76	.50	89	C4-P4	.62	.59	.41	.44	104	O2-PZ	.53	.38	.27	.35	113
FP2-F8	.45	.81	.75	.44	22	F4-CZ	.59	.36	.47	.23	92	C4-O1	.46	.13	.02	.05	96	T3-T4	.45	.27	.02	.07	119
FP2-C3	.34	.33	.33	.07	33	F4-PZ	.35	.14	.07	.04	100	C4-O2	.42	.11	.04	.09	98	T3-T5	.46	.53	.33	.41	144
FP2-C4	.22	.26	.28	.12	34	F7-F8	.29	.43	.45	.16	29	C4-T3	.45	.33	.10	.04	103	T3-T6	.37	.15	.08	.02	114
FP2-P3	.32	.11	.10	.03	38	F7-C3	.46	.55	.56	.41	57	C4-T4	.48	.48	.28	.13	101	T3-FZ	.57	.42	.32	.17	107
FP2-P4	.22	.09	.08	.04	36	F7-C4	.31	.27	.14	.06	54	C4-T5	.28	.29	.06	.05	110	T3-CZ	.52	.37	.28	.18	106
FP2-O1	.17	.06	.14	.04	33	F7-P3	.35	.28	.10	.12	67	C4-T6	.57	.51	.30	.27	82	T3-PZ	.55	.27	.09	.16	140
FP2-O2	.18	.04	.10	.04	31	F7-P4	.27	.09	.06	.01	68	C4-FZ	.52	.41	.37	.22	90	T4-T5	.29	.15	.08	.03	126
FP2-T3	.30	.35	.26	.05	34	F7-O1	.26	.04	.04	.03	60	C4-CZ	.72	.66	.60	.46	95	T4-T6	.50	.39	.23	.20	102
FP2-T4	.26	.33	.17	.06	33	F7-O2	.17	.01	.16	.02	51	C4-PZ	.44	.40	.20	.21	107	T4-FZ	.43	.26	.12	.04	98
FP2-T5	.24	.10	.06	.04	41	F7-T3	.51	.76	.74	.62	65	P3-P4	.61	.40	.10	.14	135	T4-CZ	.42	.17	.10	.04	100
FP2-T6	.16	.07	.06	.05	29	F7-T4	.27	.23	.02	.08	57	P3-O1	.65	.57	.55	.48	126	T4-PZ	.40	.12	.05	.03	120
FP2-FZ	.43	.62	.68	.48	38	F7-T5	.27	.27	.10	.18	73	P3-O2	.45	.19	.07	.13	115	T5-T6	.33	.27	.02	.05	115
FP2-CZ	.21	.28	.36	.09	30	F7-T6	.22	.08	.08	.03	55	P3-T3	.65	.54	.31	.36	136	T5-FZ	.27	.15	.05	.06	115
FP2-PZ	.28	.09	.15	.04	35	F7-FZ	.52	.57	.58	.41	59	P3-T4	.43	.15	.07	.03	127	T5-CZ	.32	.37	.14	.17	114
F3-F4	.45	.53	.45	.18	90	F7-CZ	.32	.29	.31	.15	60	P3-T5	.62	.93	.93	.90	151	T5-PZ	.53	.61	.53	.48	147
F3-F7	.61	.95	.96	.89	59	F7-PZ	.26	.10	.07	.06	67	P3-T6	.52	.31	.03	.07	112	T6-FZ	.38	.11	.04	.04	89
F3-F8	.38	.51	.54	.18	58	F8-C3	.37	.41	.41	.10	53	P3-FZ	.49	.18	.09	.08	115	T6-CZ	.45	.27	.07	.13	88
F3-C3	.57	.57	.63	.47	105	F8-C4	.38	.55	.46	.34	52	P3-CZ	.56	.49	.24	.24	112	T6-PZ	.52	.47	.21	.25	110
F3-C4	.43	.30	.19	.07	94	F8-P3	.29	.18	.08	.03	66	P3-PZ	.71	.74	.66	.58	145	FZ-CZ	.58	.42	.54	.39	94
F3-P3	.48	.28	.11	.12	124	F8-P4	.30	.17	.06	.06	63	P4-O1	.65	.30	.11	.17	115	FZ-PZ	.42	.13	.10	.09	113
F3-P4	.40	.09	.04	.02	111	F8-O1	.25	.08	.09	.02	56	P4-O2	.64	.46	.49	.40	109	CZ-PZ	.58	.53	.29	.38	108
F3-O1	.40	.07	.04	.03	104	F8-O2	.22	.08	.04	.04	52	P4-T3	.51	.18	.05	.01	126						

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## Cohereance Band Table, Eyes Open Focused Session 1 (2/27/2019)

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 T = Theta (4.5–7.5 Hz)  
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**Color Key**  
 (Difference from reference session)

≤ -100%      0%      ≥ +100%

PAIR	D	T	A	B	N	PAIR	D	T	A	B	N	PAIR	D	T	A	B	N	PAIR	D	T	A	B	N
FP1-FP2	.47	.79	.66	.20	77	F3-O2	.28	.04	.02	.02	122	F8-T3	.42	.43	.14	.03	118	P4-T4	.64	.49	.25	.12	145
FP1-F3	.57	.76	.64	.31	93	F3-T3	.61	.74	.61	.42	126	F8-T4	.46	.56	.35	.09	126	P4-T5	.66	.37	.11	.09	155
FP1-F4	.44	.63	.44	.10	90	F3-T4	.52	.28	.09	.04	128	F8-T5	.36	.25	.04	.02	140	P4-T6	.78	.87	.81	.67	168
FP1-F7	.46	.69	.57	.26	72	F3-T5	.52	.40	.17	.06	147	F8-T6	.37	.38	.15	.02	151	P4-FZ	.48	.31	.14	.07	133
FP1-F8	.41	.63	.45	.10	90	F3-T6	.42	.23	.05	.01	154	F8-FZ	.58	.72	.63	.33	127	P4-CZ	.64	.47	.31	.32	142
FP1-C3	.39	.46	.30	.11	81	F3-FZ	.75	.75	.60	.48	137	F8-CZ	.42	.43	.37	.12	131	P4-PZ	.65	.64	.44	.46	120
FP1-C4	.38	.39	.19	.04	91	F3-CZ	.54	.43	.35	.21	135	F8-PZ	.36	.25	.08	.02	106	O1-O2	.59	.58	.27	.37	112
FP1-P3	.33	.25	.08	.03	90	F3-PZ	.34	.27	.11	.10	112	C3-C4	.66	.54	.32	.15	135	O1-T3	.47	.29	.08	.10	115
FP1-P4	.28	.26	.06	.02	90	F4-F7	.45	.47	.25	.07	104	C3-P3	.72	.72	.54	.43	137	O1-T4	.44	.16	.01	.01	124
FP1-O1	.21	.10	.01	.02	86	F4-F8	.64	.98	.96	.91	131	C3-P4	.65	.43	.15	.14	144	O1-T5	.54	.53	.48	.36	134
FP1-O2	.17	.05	.02	.01	80	F4-C3	.64	.46	.23	.09	130	C3-O1	.40	.30	.09	.17	123	O1-T6	.49	.34	.07	.08	142
FP1-T3	.45	.48	.26	.08	86	F4-C4	.65	.63	.45	.26	135	C3-O2	.42	.09	.02	.07	120	O1-FZ	.33	.12	.02	.05	114
FP1-T4	.38	.33	.09	.03	86	F4-P3	.58	.27	.08	.03	135	C3-T3	.67	.78	.67	.43	126	O1-CZ	.42	.25	.06	.17	117
FP1-T5	.40	.25	.06	.02	96	F4-P4	.54	.37	.14	.04	138	C3-T4	.54	.31	.06	.03	136	O1-PZ	.60	.73	.59	.66	101
FP1-T6	.30	.24	.03	.01	101	F4-O1	.34	.12	.01	.02	120	C3-T5	.68	.61	.44	.31	149	O2-T3	.39	.10	.03	.05	111
FP1-FZ	.59	.76	.70	.41	93	F4-O2	.32	.07	.01	.01	121	C3-T6	.55	.33	.07	.04	155	O2-T4	.41	.17	.06	.05	117
FP1-CZ	.37	.36	.27	.09	87	F4-T3	.49	.41	.14	.04	120	C3-FZ	.63	.55	.38	.28	125	O2-T5	.54	.19	.06	.10	129
FP1-PZ	.26	.18	.06	.04	78	F4-T4	.60	.47	.26	.07	127	C3-CZ	.76	.68	.57	.48	133	O2-T6	.52	.46	.50	.33	133
FP2-F3	.41	.56	.37	.07	88	F4-T5	.49	.23	.05	.02	140	C3-PZ	.54	.52	.35	.34	110	O2-FZ	.34	.04	.02	.03	114
FP2-F4	.53	.73	.58	.22	89	F4-T6	.45	.33	.11	.02	148	C4-P3	.65	.39	.15	.09	141	O2-CZ	.42	.09	.02	.10	118
FP2-F7	.34	.51	.30	.07	80	F4-FZ	.78	.76	.67	.39	132	C4-P4	.71	.68	.55	.45	150	O2-PZ	.58	.45	.19	.40	102
FP2-F8	.50	.75	.61	.24	88	F4-CZ	.61	.44	.38	.16	130	C4-O1	.42	.19	.04	.09	129	T3-T4	.61	.36	.05	.06	130
FP2-C3	.30	.34	.18	.04	76	F4-PZ	.35	.23	.09	.04	106	C4-O2	.37	.15	.05	.11	124	T3-T5	.61	.63	.46	.13	141
FP2-C4	.38	.42	.22	.04	90	F7-F8	.38	.47	.24	.06	104	C4-T3	.56	.38	.15	.05	128	T3-T6	.51	.31	.05	.02	147
FP2-P3	.34	.19	.04	.01	85	F7-C3	.49	.61	.52	.31	101	C4-T4	.61	.58	.36	.15	136	T3-FZ	.55	.47	.26	.11	121
FP2-P4	.33	.29	.08	.01	86	F7-C4	.36	.31	.20	.04	106	C4-T5	.56	.29	.10	.05	154	T3-CZ	.52	.41	.28	.13	121
FP2-O1	.18	.07	.02	.02	76	F7-P3	.38	.39	.18	.08	105	C4-T6	.59	.57	.40	.24	164	T3-PZ	.49	.36	.15	.13	107
FP2-O2	.17	.06	.03	.02	77	F7-P4	.31	.22	.06	.02	107	C4-FZ	.54	.48	.37	.19	129	T4-T5	.57	.22	.01	.03	143
FP2-T3	.37	.39	.11	.03	79	F7-O1	.22	.17	.03	.04	88	C4-CZ	.69	.65	.60	.46	141	T4-T6	.59	.59	.39	.18	159
FP2-T4	.43	.44	.16	.03	89	F7-O2	.22	.05	.04	.02	90	C4-PZ	.55	.41	.27	.25	113	T4-FZ	.52	.29	.15	.03	129
FP2-T5	.30	.20	.03	.01	91	F7-T3	.58	.78	.70	.52	99	P3-P4	.76	.47	.16	.15	144	T4-CZ	.54	.26	.13	.04	128
FP2-T6	.31	.27	.06	.01	100	F7-T4	.36	.27	.08	.05	108	P3-O1	.63	.59	.47	.43	125	T4-PZ	.49	.22	.02	.02	118
FP2-FZ	.51	.66	.59	.23	91	F7-T5	.44	.40	.21	.07	108	P3-O2	.59	.22	.05	.15	126	T5-T6	.59	.32	.06	.04	180
FP2-CZ	.32	.30	.24	.05	86	F7-T6	.31	.22	.04	.02	123	P3-T3	.64	.63	.42	.15	127	T5-FZ	.51	.29	.10	.05	136
FP2-PZ	.22	.15	.05	.02	75	F7-FZ	.49	.63	.46	.29	101	P3-T4	.63	.26	.01	.02	134	T5-CZ	.55	.37	.20	.15	143
F3-F4	.69	.59	.34	.11	133	F7-CZ	.40	.34	.30	.11	108	P3-T5	.80	.92	.92	.89	152	T5-PZ	.61	.62	.49	.38	125
F3-F7	.58	.94	.93	.84	103	F7-PZ	.28	.29	.10	.07	91	P3-T6	.61	.39	.07	.06	160	T6-FZ	.40	.24	.09	.02	147
F3-F8	.50	.57	.32	.10	133	F8-C3	.43	.47	.24	.06	125	P3-FZ	.51	.31	.13	.08	128	T6-CZ	.51	.33	.14	.11	151
F3-C3	.65	.67	.56	.42	131	F8-C4	.47	.65	.47	.24	134	P3-CZ	.66	.48	.32	.27	132	T6-PZ	.55	.49	.20	.20	132
F3-C4	.52	.37	.22	.07	140	F8-P3	.34	.29	.07	.02	130	P3-PZ	.63	.73	.64	.53	117	FZ-CZ	.62	.49	.47	.37	128
F3-P3	.53	.42	.18	.09	137	F8-P4	.37	.40	.16	.03	135	P4-O1	.59	.41	.14	.20	138	FZ-PZ	.36	.23	.13	.11	104
F3-P4	.47	.26	.08	.04	138	F8-O1	.23	.14	.02	.01	115	P4-O2	.62	.46	.42	.43	130	CZ-PZ	.58	.53	.42	.44	109
F3-O1	.35	.15	.01	.05	121	F8-O2	.17	.09	.01	.01	113	P4-T3	.55	.32	.06	.04	134						

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