

WAVi Scan Clinician Report

SAMPLE PATIENT — Male, XX/XX/XXXX — ID: SAMPLE Generated: 2026



Session Number	Reason for Visit	Presenting Concerns	Change	Sleep	Since Meal	Age
Session 1 2026	Followup	N/A	N/A	N/A	N/A	35 yrs

Symbol Key: = Low Yield, = Questionable Value
See Appendix for explanations of metrics and symbols shown on this page.

Performance Assessments	Session 1 2026	Target Range
Physical Reaction Time	420 (±131) ms	253–364 ms
Frontal		
F3/F4 Eyes Closed Alpha (Power)	1.0	0.9–1.1
Peak Frequency (7.0–13.0 Hz)	7.8 Hz	9.0–11.0 Hz
Test/Retest Change	-	±0.2 Hz
Central-Parietal		
Audio P300 Delay	272 ms	249–323 ms
Test/Retest Change	-	±11 ms
Audio P300 Voltage	4.8 µV	8–21 µV
Test/Retest Change	-	±2 µV
Peak Frequency (7.0–13.0 Hz)	10.0 Hz	9.0–11.0 Hz
Test/Retest Change	-	±0.2 Hz
CZ Eyes Open Theta/Beta (Power)	N/A	0.9–2.2
CZ Eyes Closed Theta/Beta (Power)	1.1	0.9–2.2
Occipital		
Peak Frequency (7.0–13.0 Hz)	12.0 Hz	9.0–11.0 Hz
Test/Retest Change	-	±0.2 Hz

Maximum P300 Test Depth (µV) — Range: 240–500 ms
Dashed rectangle indicates Central-Parietal region used for evoked potential metrics



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P300 Common/Rare Comparison, Session 1 2026

Common responses are compared to rare responses.

Yield Display Threshold: 20

Color Key

Common

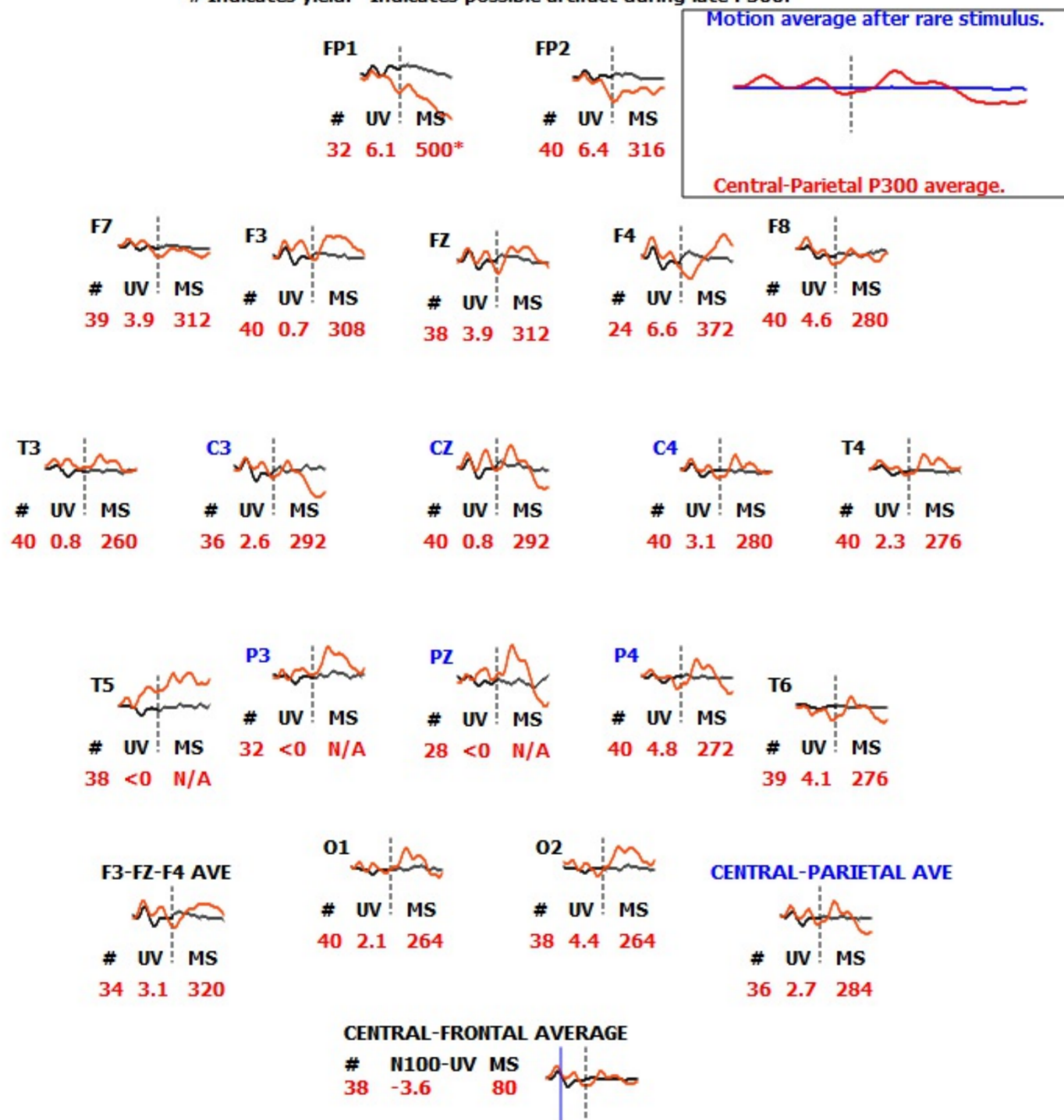


Rare



P300s typically occur between 240 and 450 msec.
Probable depth and latency of true P300 is indicated on 1st page of report.

Indicates yield. *Indicates possible artifact during late P300.



Blue line indicates 100 msec post stimulus.

Maximum N100 reported between 80-120 msec.

Largest depths between 240-500 msec are reported, except for N100. Dotted lines at 300 msec post stimulus.



Performance Assessments

These assessments are provided for convenience only, and are to be used in accordance with their specific instructions. If an assessment was not at least partially completed in a given session, then the values for that session will be blank.

Abbreviation Key

S1 = Session 1 2026

Trail Making Test Results		Flanker Metric Summary	
Target Scores: Part A 38–64 sec, Part B 43–84 sec		Metric	S1
Metric	S1	Trials	0
Part A Time	67	Responses	0
Part B Time	177	Correct	0
		Incorrect	0
		Non-flanker (msec)	0
		Congruent (msec)	0
		Incongruent (msec)	0

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SAMPLE PATIENT — Male, XX/XX/XXXX — ID: SAMP001 Generated: 2026



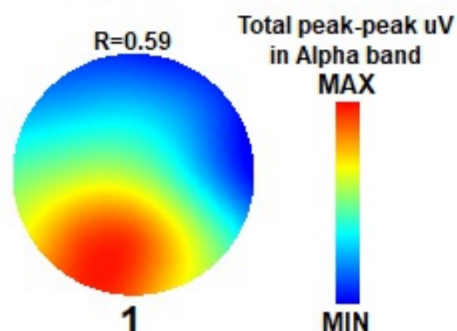
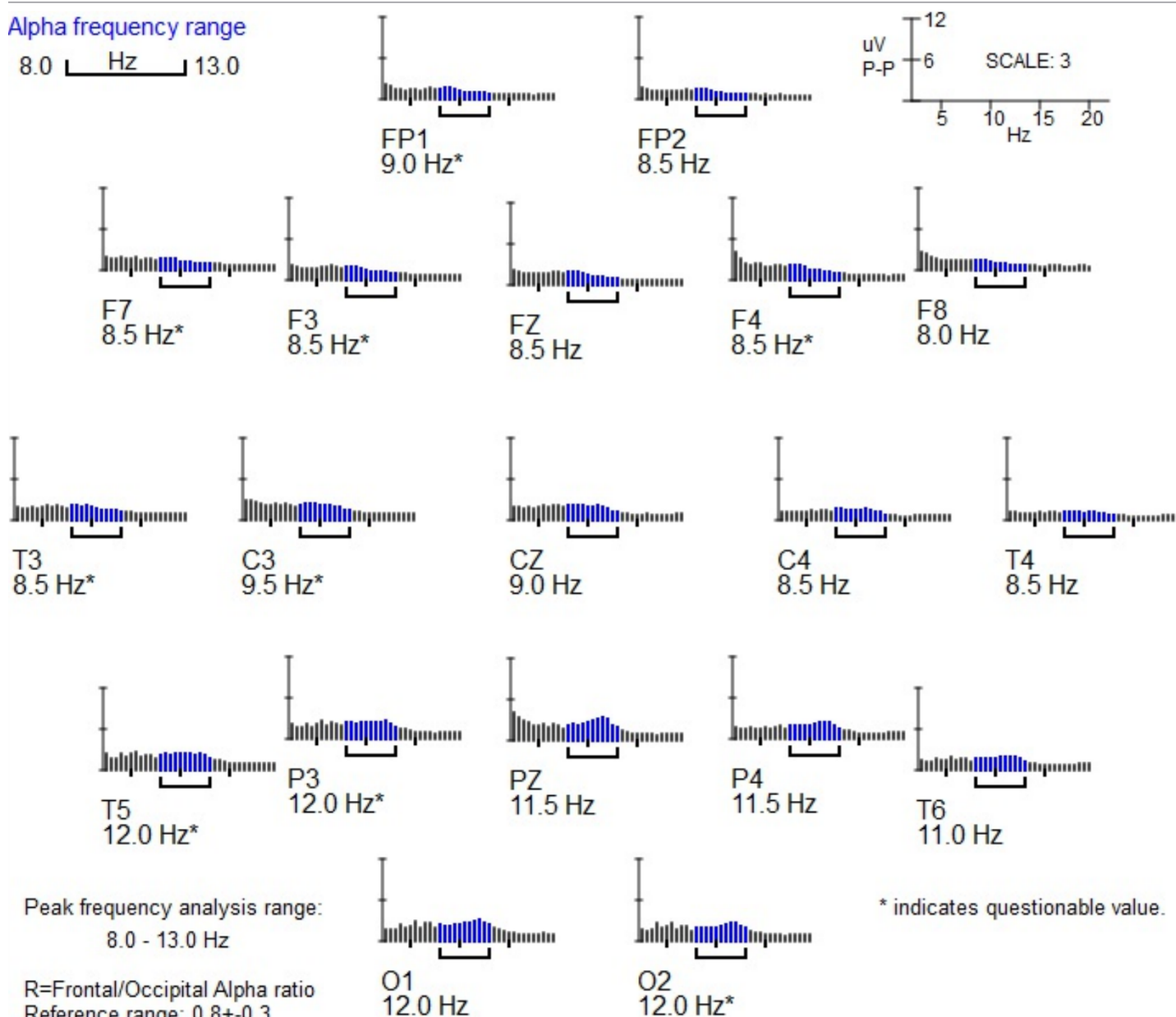
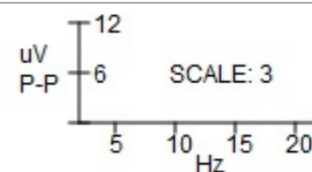
Spectrum, P300 Eyes Closed, Session 1 2026

Color Key

Session 1 2026

Alpha frequency range

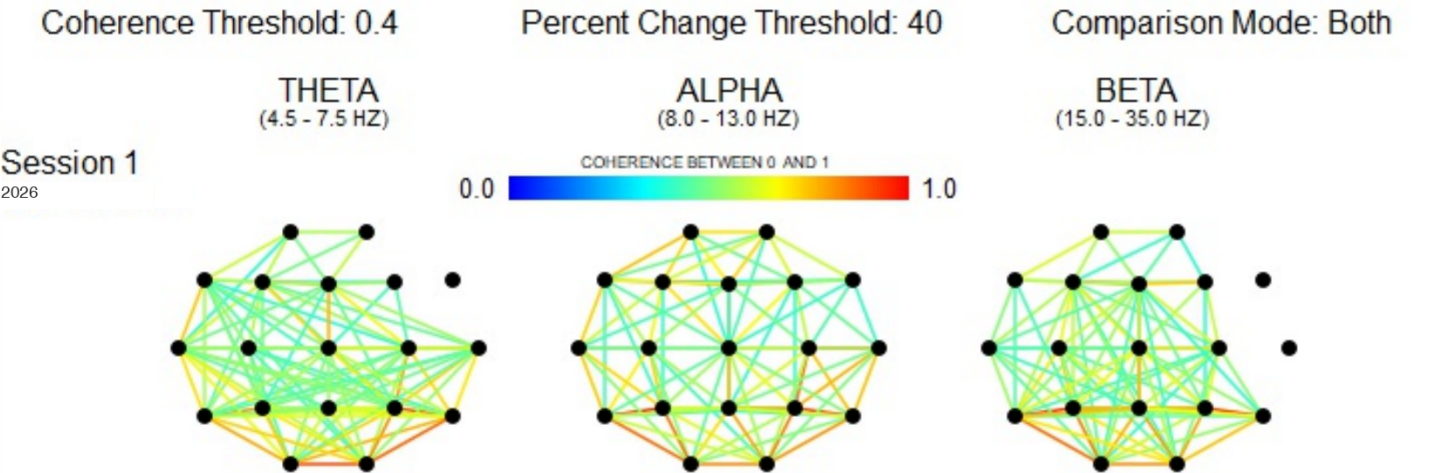
8.0 Hz 13.0





Coherence Network Graphs, P300 Eyes Closed

Row shows color-mapped coherence between head locations.



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SAMPLE PATIENT — Male, XX/XX/XXXX — ID: SAMP1234567890 Generated: 2026



Magnitude Band Tables, P300 Eyes Closed

UNITS: Total peak-peak microvolts within each band

Band Ranges

Theta: 4.5–7.5 Hz

Alpha: 8.0–13.0 Hz

Beta: 15.0–35.0 Hz

Session 1 2026

LOC	THETA	ALPHA	BETA
FP1	9	11	21
FP2	7	9	18
F3	11	13	20
F4	12	13	21
F7	10	13	22
F8	8	10	20
C3	14	18	27
C4	8	13	19
P3	13	20	25
P4	10	18	23
O1	14	22	25
O2	13	19	23
T3	12	16	26
T4	7	10	18
T5	14	20	24
T6	10	15	22
FZ	10	13	19
CZ	12	17	23
PZ	14	23	24

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Coherence Band Table, P300 Eyes Closed

Session 1 2026

Abbreviation Key

T = Theta (4.5–7.5 Hz)
A = Alpha (8.0–13.0 Hz)
B = Beta (15.0–35.0 Hz)

PAIR	T	A	B	PAIR	T	A	B	PAIR	T	A	B	PAIR	T	A	B
FP1-FP2	.57	.70	.60	F3-O2	.37	.26	.42	F8-T3	.12	.15	.07	P4-T4	.72	.76	.15
FP1-F3	.59	.71	.58	F3-T3	.62	.60	.57	F8-T4	.30	.41	.16	P4-T5	.61	.43	.56
FP1-F4	.27	.48	.37	F3-T4	.48	.28	.16	F8-T5	.11	.10	.06	P4-T6	.91	.92	.91
FP1-F7	.61	.74	.62	F3-T5	.48	.36	.57	F8-T6	.15	.22	.05	P4-FZ	.47	.33	.49
FP1-F8	.18	.36	.15	F3-T6	.39	.20	.36	F8-FZ	.30	.53	.13	P4-CZ	.69	.64	.67
FP1-C3	.38	.36	.25	F3-FZ	.81	.89	.86	F8-CZ	.24	.41	.08	P4-PZ	.63	.78	.79
FP1-C4	.28	.21	.23	F3-CZ	.72	.70	.69	F8-PZ	.18	.26	.04	O1-O2	.91	.82	.82
FP1-P3	.27	.22	.28	F3-PZ	.37	.37	.53	C3-C4	.48	.40	.41	O1-T3	.65	.52	.47
FP1-P4	.21	.14	.19	F4-F7	.30	.39	.36	C3-P3	.52	.72	.72	O1-T4	.47	.28	.14
FP1-O1	.23	.18	.24	F4-F8	.23	.56	.10	C3-P4	.48	.39	.46	O1-T5	.78	.85	.86
FP1-O2	.21	.16	.20	F4-C3	.36	.38	.39	C3-O1	.47	.53	.52	O1-T6	.76	.52	.54
FP1-T3	.41	.39	.33	F4-C4	.44	.58	.60	C3-O2	.43	.42	.45	O1-FZ	.32	.25	.44
FP1-T4	.25	.14	.11	F4-P3	.28	.21	.35	C3-T3	.58	.73	.47	O1-CZ	.52	.47	.54
FP1-T5	.25	.19	.28	F4-P4	.27	.40	.41	C3-T4	.41	.29	.13	O1-PZ	.61	.71	.77
FP1-T6	.20	.10	.17	F4-O1	.17	.19	.29	C3-T5	.53	.69	.69	O2-T3	.59	.35	.38
FP1-FZ	.50	.67	.53	F4-O2	.23	.27	.32	C3-T6	.43	.32	.38	O2-T4	.53	.51	.16
FP1-CZ	.33	.41	.29	F4-T3	.26	.26	.31	C3-FZ	.50	.55	.59	O2-T5	.73	.61	.70
FP1-PZ	.22	.21	.23	F4-T4	.40	.48	.21	C3-CZ	.60	.70	.69	O2-T6	.86	.81	.75
FP2-F3	.50	.62	.41	F4-T5	.19	.18	.35	C3-PZ	.38	.55	.62	O2-FZ	.33	.28	.43
FP2-F4	.38	.63	.40	F4-T6	.27	.32	.34	C4-P3	.52	.35	.45	O2-CZ	.54	.55	.56
FP2-F7	.39	.49	.38	F4-FZ	.54	.78	.73	C4-P4	.79	.85	.65	O2-PZ	.61	.79	.80
FP2-F8	.35	.60	.28	F4-CZ	.43	.66	.57	C4-O1	.50	.36	.42	T3-T4	.43	.18	.13
FP2-C3	.30	.27	.18	F4-PZ	N/A	.41	.39	C4-O2	.56	.58	.51	T3-T5	.70	.74	.55
FP2-C4	.39	.29	.21	F7-F8	.13	.26	.12	C4-T3	.47	.24	.29	T3-T6	.53	.22	.29
FP2-P3	.24	.15	.17	F7-C3	.53	.58	.35	C4-T4	.87	.91	.35	T3-FZ	.49	.43	.47
FP2-P4	.25	.17	.13	F7-C4	.41	.22	.29	C4-T5	.46	.30	.44	T3-CZ	.57	.46	.43
FP2-O1	.18	.13	.14	F7-P3	.53	.43	.44	C4-T6	.72	.75	.52	T3-PZ	.46	.36	.42
FP2-O2	.17	.15	.13	F7-P4	.42	.17	.28	C4-FZ	.66	.50	.62	T4-T5	.45	.22	.15
FP2-T3	.30	.23	.21	F7-O1	.48	.31	.38	C4-CZ	.79	.72	.70	T4-T6	.69	.75	.13
FP2-T4	.36	.22	.12	F7-O2	.46	.23	.33	C4-PZ	.53	.63	.59	T4-FZ	.54	.37	.20
FP2-T5	.21	.12	.17	F7-T3	.73	.73	.52	P3-P4	.64	.47	.58	T4-CZ	.64	.56	.19
FP2-T6	.20	.13	.12	F7-T4	.36	.16	.13	P3-O1	.74	.85	.83	T4-PZ	.49	.50	.15
FP2-FZ	.60	.71	.46	F7-T5	.56	.42	.45	P3-O2	.70	.64	.69	T5-T6	.63	.38	.49
FP2-CZ	.40	.44	.22	F7-T6	.39	.14	.26	P3-T3	.68	.72	.54	T5-FZ	.38	.27	.53
FP2-PZ	.18	.23	.16	F7-FZ	.55	.64	.56	P3-T4	.49	.25	.14	T5-CZ	.55	.47	.63
F3-F4	.43	.64	.55	F7-CZ	.51	.46	.39	P3-T5	.81	.95	.94	T5-PZ	.51	.60	.76
F3-F7	.69	.81	.68	F7-PZ	.34	.26	.35	P3-T6	.64	.40	.49	T6-FZ	.37	.25	.41
F3-F8	.20	.41	.12	F8-C3	.14	.22	.06	P3-FZ	.42	.32	.54	T6-CZ	.59	.50	.54
F3-C3	.58	.65	.64	F8-C4	.31	.45	.10	P3-CZ	.57	.54	.66	T6-PZ	.62	.64	.66
F3-C4	.56	.38	.48	F8-P3	.12	.12	.05	P3-PZ	.53	.67	.78	FZ-CZ	.76	.77	.78
F3-P3	.51	.41	.58	F8-P4	.18	.27	.05	P4-O1	.72	.56	.60	FZ-PZ	.35	.41	.56
F3-P4	.46	.27	.43	F8-O1	.12	.12	.05	P4-O2	.81	.84	.79	CZ-PZ	.53	.75	.77
F3-O1	.40	.29	.46	F8-O2	.15	.18	.05	P4-T3	.53	.25	.32				

Appendix

Low Yield (☐): This is reported when the amount and/or quality of the acquired data are insufficient to generate an accurate number. This may result from the presence of one or more artifact sources such as motion, sweating, poor electrode-scalp contact, or interference from nearby electronic equipment.

Questionable Value (?): Possibly due to low Alpha or Peak Frequency magnitude relative to background EEG noise.

Excess Synchrony (⬆): A type of artifact which may affect multiple channels equally at the same time. This may be due to improper electrode connections or environmental interference. Excess Synchrony can reduce the accuracy of background EEG metrics.

Manually Modified Artifacting (★): Shown next to sessions in which at least one input file has manually modified artifacting.

Sync Blinks: Short for "synchronized eye blinks," this is reported when FP1 or FP2 is greater than or equal to 20 μ V. Sync Blinks may affect the reported P300 and/or Flanker test depths and latencies at other electrode locations.

P300 Metrics

Physical Reaction Time: al response to rare tones, derived from mouse or keyboard input.

- Reported as "N/A" if there were **less than 15** physical responses to rare tones.

Audio P300 Delay and **Audio P300 Voltage** metrics are derived from **Central-Parietal (C-P)** locations **CZ, C3, C4, PZ, P3, and P4** with sufficient yield.

- For these metrics, "yield" is defined as the number of brain responses to rare tones which contain **minimal artifact**.

Audio P300 Delay: The **fastest** C-P latency **between 240-499 ms** after a rare tone, among locations that are **at least 3 μ V**.

- Reported as "N/A" if **no** C-P location is **at least 3 μ V**, or **no** C-P location has a yield of **at least 20** rare events.

Audio P300 Voltage: The **largest** C-P amplitude **between 240-499 ms** after a rare tone.

- Reported as "N/A" if **no** C-P location has a yield of **at least 20** rare events.
- Reported as "**< 0 μ V**" if the voltage at **all** C-P locations is **less than 0 μ V**.

Low Yield (☐) is shown next to values for Audio P300 Delay or Audio P300 Voltage if:

- Less than 3** C-P locations have a yield of **at least 30**; OR
- 40% or more** data segments contain **excessive Delta artifact** at the location from which the metric was derived.

Background EEG Metrics

Metrics include **CZ Theta/Beta, F3/F4 Alpha, Coherence, Muscle Tension, Peak Frequency**. For eyes closed metrics, P300 needs to be run, otherwise reported as "N/A".

Low Yield (☐) is shown next to a background EEG metric if:

- Less than 30** segments of data are clean or contain **minimal artifact**; OR
- For metrics using Delta or Theta, **over 40%** of data segments contain **excessive Delta artifact**.

"N/A" is reported for a background EEG metric if:

- Less than 20** segments of data are clean or contain **minimal artifact**; OR
- For metrics using Delta or Theta, **over 50%** of data segments contain **excessive Delta artifact**.

P300 Topos

A P300 topo is generated for a session if **at least 3** C-P locations have a yield of **at least 20** rare events. Otherwise, "N/A" is shown.

Black Xs indicate topo locations with a yield of **less than 20** rare events. For graphical interpolation purposes, these locations are also set to 0 μ V regardless of their actual values.

A topo location is considered **"good"** if its yield is **at least 20** rare events, and its voltage is **at least 3 μ V**.

The warning **"No consistent P300"** is shown below a topo if:

- At least 2** good locations are **less than 350 ms**, and **at least 2** good locations are **greater than 450 ms**; OR
- Less than 40%** of good C-P location pairs are **within 75 ms**; OR
- The C-P location with the **largest μ V** value is **at 500 ms** after a rare event.

For more information, please see wavimed.com/publications.