

Supplementary Materials

Accuracy Assessment Smartphone Galaxy S22. The degree repeatability of the distances obtained for the 12 PhotoMeDAS models obtained with the Galaxy S22 smartphone for: **Processing I** , **Processing II** and **Processing III**, can be analysed first by observing the differences in Tables S1.1, S1.2 and S1.3.

Table S1.1. Results Processing I with Samsung Galaxy S22.

Model	Dist. Preauricular (mm)	Dist. Lateral (mm)	Dist. Max right (mm)	Dist. Max left (mm)	Variation Preauricular (mm)	Variation Lateral (mm)	Variation Max right (mm)	Variation Max left (mm)
1	128.8	141.0	171.9	170.5	-1.6	-0.8	-1.1	-1.0
2	128.1	140.9	172.1	170.8	-1.0	-0.7	-1.3	-1.3
3	128.0	141.1	172.4	171.1	-0.8	-1.0	-1.6	-1.7
4	129.0	141.8	172.6	171.4	-1.8	-1.6	-1.8	-1.9
5	127.6	140.3	172.1	170.7	-0.4	-0.1	-1.3	-1.1
6	129.4	141.6	172.4	171.1	-2.1	-1.4	-1.6	-1.7
7	128.1	141.3	172.3	171.0	-1.0	-1.1	-1.5	-1.5
8	127.4	141.1	172.4	171.1	-0.1	-0.9	-1.6	-1.6
9	127.8	140.4	172.0	170.8	-0.6	-0.1	-1.1	-1.3
10	127.7	140.8	171.7	170.3	-0.5	-0.6	-0.9	-0.8
11	128.3	140.8	171.7	170.3	-1.1	-0.6	-0.9	-0.8
12	128.1	141.9	173.3	171.8	-1.0	-1.7	-2.5	-2.3
Minimum	127.4	140.3	171.7	170.3	-2.1	-1.7	-2.5	-2.3
Maximum	129.4	141.9	173.3	171.8	-0.1	-0.1	-0.9	-0.8
Range	2.0	1.6	1.6	1.5	2.0	1.6	1.6	1.5
Average	128.2	141.1	172.2	170.9	-1.0	-0.9	-1.4	-1.4
Std. deviation	0.6	0.5	0.4	0.4	0.6	0.5	0.4	0.4

Table S1.2. Results Processing II with Samsung Galaxy S22.

Model	Dist. Preauricular (mm)	Dist. Lateral (mm)	Dist. Max right (mm)	Dist. Max left (mm)	Variation Preauricular (mm)	Variation Lateral (mm)	Variation Max right (mm)	Variation Max left (mm)
1	128.3	141.3	171.7	170.3	-1.1	-0.8	-1.1	-0.9
2	127.6	141.1	172.0	170.6	-0.4	-1.1	-0.9	-1.2
3	128.1	141.6	172.4	171.1	-1.0	-1.7	-1.4	-1.6
4	128.9	142.1	172.4	171.1	-1.7	-1.6	-1.9	-1.6
5	127.4	140.7	172.1	170.4	-0.2	-0.9	-0.5	-1.3
6	129.1	141.9	172.1	170.9	-2.0	-1.4	-1.7	-1.3
7	127.7	141.3	171.7	170.5	-0.5	-1.0	-1.1	-0.9
8	127.1	141.1	172.1	170.9	0.1	-1.4	-1.0	-1.4
9	128.0	141.4	171.1	170.1	-0.8	-0.6	-1.2	-0.4
10	127.9	141.1	171.5	170.1	-0.7	-0.6	-1.0	-0.7
11	128.3	141.1	171.6	170.1	-1.1	-0.7	-1.0	-0.8
12	128.5	142.1	173.1	171.8	-1.3	-2.3	-2.0	-2.4
Minimum	127.1	140.7	171.1	170.1	-2.0	-2.3	-2.0	-2.4
Maximum	129.1	142.1	173.1	171.8	0.1	-0.6	-0.5	-0.4
Range	2.0	1.4	2.0	1.7	2.1	1.7	1.5	2.0
Average	128.1	141.4	172.0	170.7	-0.9	-1.2	-1.2	-1.2
Std. deviation	0.6	0.4	0.5	0.5	0.6	0.5	0.4	0.5

Table S1.3. Results Processing III with Samsung Galaxy S22.

Model	Dist. Preauricular (mm)	Dist. Lateral (mm)	Dist. Max right (mm)	Dist. Max left (mm)	Variation Preauricular (mm)	Variation Lateral (mm)	Variation Max right (mm)	Variation Max left (mm)
1	127.8	141.1	171.6	170.3	-0.6	-0.9	-0.8	-0.8
2	127.7	141.1	171.6	170.1	-0.5	-0.9	-0.8	-0.6
3	128.1	141.5	172.5	171.1	-0.9	-1.3	-1.7	-1.7
4	128.1	141.8	173.0	171.6	-1.0	-1.6	-2.2	-2.1
5	127.7	140.7	172.1	170.7	-0.5	-0.5	-1.4	-1.2
6	128.5	141.7	172.4	171.1	-1.3	-1.5	-1.6	-1.6
7	128.0	141.4	172.0	171.0	-0.8	-1.2	-1.2	-1.5
8	127.1	141.1	171.9	170.6	0.0	-1.0	-1.1	-1.1
9	127.5	141.0	171.3	170.1	-0.3	-0.8	-0.5	-0.6
10	126.9	140.6	171.4	170.1	0.3	-0.4	-0.6	-0.6
11	128.1	141.0	171.6	170.4	-0.9	-0.8	-0.8	-0.9
12	128.9	142.4	173.1	171.8	-1.7	-2.2	-2.3	-2.3
Minimum	126.9	140.6	171.3	170.1	-1.7	-2.2	-2.3	-2.3
Maximum	128.9	142.4	173.1	171.8	0.3	-0.4	-0.5	-0.6
Range	2.0	1.8	1.8	1.7	2.0	1.8	1.8	1.7
Average	127.9	141.3	172.0	170.7	-0.7	-1.1	-1.2	-1.3
Std. deviation	0.6	0.5	0.6	0.6	0.5	0.5	0.6	0.6

Accuracy Assessment Smartphone Galaxy S22+. The degree of repeatability of the distances obtained for the 12 PhotoMeDAS models obtained with the Galaxy S22+ smartphone for: **Processing I**, **Processing II** and **Processing III**, can be analysed first by observing the differences in Tables S2.1, S2.2 and S2.3.

Table S2.1. Results Processing I with Samsung Galaxy S22+.

Model	Dist. Preauricular (mm)	Dist. Lateral (mm)	Dist. Max right (mm)	Dist. Max left (mm)	Variation Preauricular (mm)	Variation Lateral (mm)	Variation Max right (mm)	Variation Max left (mm)
13	126.7	139.4	169.0	168.2	0.5	0.8	1.8	1.3
14	126.8	139.3	169.2	168.2	0.4	0.9	1.6	1.3
15	126.8	139.3	169.6	169.0	0.4	0.9	1.2	0.5
16	126.9	139.2	169.5	168.8	0.3	1.0	1.3	0.7
17	127.4	140.0	169.4	168.5	-0.2	0.2	1.4	1.0
18	125.9	139.0	168.8	168.0	1.3	1.2	2.0	1.5
19	127.2	139.3	169.2	168.5	0.0	0.9	1.6	1.0
20	127.1	139.6	169.8	168.9	0.1	0.6	1.0	0.6
21	127.1	139.6	169.6	168.9	0.1	0.6	1.2	0.6
22	126.3	139.3	169.0	168.3	0.9	0.9	1.8	1.2
23	126.8	139.2	169.7	168.4	0.4	1.0	1.1	1.1
24	126.1	138.6	168.4	167.7	1.1	1.6	2.4	1.8
Minimum	125.9	138.6	168.4	167.7	-0.2	0.2	1.0	0.5
Maximum	127.4	140.0	169.8	169.0	1.3	1.6	2.4	1.8
Range	1.5	1.4	1.4	1.3	1.5	1.4	1.4	1.3
Average	126.8	139.3	169.3	168.5	0.4	0.9	1.6	1.0
Std. deviation	0.5	0.3	0.4	0.4	0.5	0.3	0.4	0.4

Table S2.2. Results Processing II with Samsung Galaxy S22+.

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Model	Dist. Preauricular (mm)	Dist. Lateral (mm)	Dist. Max right (mm)	Dist. Max left (mm)	Variation Preauricular (mm)	Variation Lateral (mm)	Variation Max right (mm)	Variation Max left (mm)
13	126.9	139.7	169.2	168.4	0.3	0.5	1.6	1.1
14	127.1	139.8	169.1	168.3	0.1	0.4	1.7	1.2
15	126.6	139.5	169.4	168.7	0.6	0.7	1.4	0.8
16	127.5	139.9	169.5	168.7	-0.3	0.3	1.3	0.8
17	127.4	140.0	169.5	168.6	-0.2	0.2	1.3	0.9
18	126.8	139.6	168.7	167.9	0.4	0.6	2.1	1.6
19	127.3	139.5	168.9	168.3	-0.1	0.7	1.9	1.2
20	127.2	139.8	169.7	169.0	0.0	0.4	1.1	0.5
21	127.2	139.9	169.5	168.8	0.0	0.3	1.3	0.7
22	126.8	139.9	169.2	168.4	0.4	0.3	1.6	1.1
23	127.2	139.9	169.2	168.1	0.0	0.3	1.6	1.4
24	126.5	139.3	168.5	167.7	0.7	0.9	2.3	1.8
Minimum	126.5	139.3	168.5	167.7	-0.3	0.2	1.1	0.5
Maximum	127.5	140.0	169.7	169.0	0.7	0.9	2.3	1.8
Range	1.0	0.7	1.2	1.3	1.0	0.7	1.2	1.3
Average	127.0	139.7	169.2	168.4	0.1	0.5	1.6	1.1
Std. deviation	0.3	0.2	0.4	0.4	0.3	0.2	0.4	0.4

Table S2.3. Results Processing III with Samsung Galaxy S22+.

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Model	Dist. Preauricular (mm)	Dist. Lateral (mm)	Dist. Max right (mm)	Dist. Max left (mm)	Variation Preauricular (mm)	Variation Lateral (mm)	Variation Max right (mm)	Variation Max left (mm)
13	126.7	139.7	168.6	167.9	0.5	0.5	2.2	1.6
14	126.5	139.7	169.0	168.1	0.7	0.5	1.8	1.4
15	126.7	139.9	169.4	168.6	0.5	0.3	1.4	0.9
16	126.1	139.7	169.0	168.2	1.1	0.5	1.8	1.3
17	126.8	139.8	169.4	168.7	0.4	0.4	1.4	0.8
18	126.2	139.3	168.4	167.7	1.0	0.9	2.4	1.8
19	126.4	139.2	168.7	168.2	0.8	1.0	2.1	1.3
20	127.4	140.4	169.2	168.7	-0.2	-0.2	1.6	0.8
21	126.7	139.7	169.3	168.7	0.5	0.5	1.5	0.8
22	125.5	139.3	168.7	168.1	1.7	0.9	2.1	1.4
23	127.0	139.8	169.2	167.9	0.2	0.4	1.6	1.6
24	126.5	139.3	168.5	167.7	0.7	0.9	2.3	1.8
Minimum	125.5	139.2	168.4	167.7	-0.2	-0.2	1.4	0.8
Maximum	127.4	140.4	169.4	168.7	1.7	1.0	2.4	1.8
Range	1.9	1.2	1.0	1.0	1.9	1.2	1.0	1.0
Average	126.5	139.7	169.0	168.2	0.6	0.5	1.9	1.3
Std. deviation	0.5	0.3	0.4	0.4	0.5	0.3	0.4	0.4

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Accuracy Assessment Smartphone Galaxy S22 Ultra. The degree of repeatability of the distances obtained for the 12 PhotoMeDAS models obtained with the Galaxy S22 Ultra smartphone for: **Processing I**, **Processing II** and **Processing III**, can be analysed first by observing the differences in Tables S3.1, S3.2 and S3.3.

Table S3.1 Results Processing I with Samsung Galaxy S22 Ultra.

Model	Dist. Preauricular (mm)	Dist. Lateral (mm)	Dist. Max right (mm)	Dist. Max left (mm)	Variation Preauricular (mm)	Variation Lateral (mm)	Variation Max right (mm)	Variation Max left (mm)
25	128.8	141.8	172.5	171.3	-1.6	-1.6	-1.7	-1.8
26	128.8	142.3	172.7	171.6	-1.6	-2.1	-1.9	-2.1
27	129.3	142.1	172.3	171.4	-2.1	-2.0	-1.5	-1.9
28	129.7	142.1	172.4	171.4	-2.5	-2.0	-1.6	-1.9
29	128.8	141.8	172.5	171.6	-1.6	-1.6	-1.7	-2.1
30	129.7	142.5	172.7	171.8	-2.5	-2.3	-1.9	-2.3
31	128.9	141.8	172.6	171.5	-1.7	-1.6	-1.8	-2.0
32	129.1	142.0	172.6	171.5	-1.9	-1.8	-1.8	-2.0
33	128.9	141.9	172.9	171.8	-1.7	-1.7	-2.1	-2.3
34	128.7	141.7	172.7	171.7	-1.5	-1.5	-1.9	-2.1
35	129.6	142.0	172.1	171.0	-2.4	-1.8	-1.4	-1.5
36	129.4	141.7	172.0	171.0	-2.1	-1.5	-1.1	-1.5
Minimum	128.7	141.7	172.0	171.0	-2.5	-2.3	-2.1	-2.3
Maximum	129.7	142.5	172.9	171.8	-1.5	-1.5	-1.1	-1.5
Range	1.0	0.8	0.9	0.8	1.0	0.8	0.9	0.8
Average	129.1	142.0	172.5	171.5	-2.0	-1.8	-1.7	-2.0
Std. deviation	0.4	0.2	0.3	0.3	0.4	0.3	0.3	0.3

Table S3.2. Results Processing II with Samsung Galaxy S22 Ultra.

Model	Dist. Preauricular (mm)	Dist. Lateral (mm)	Dist. Max right (mm)	Dist. Max left (mm)	Variation Preauricular (mm)	Variation Lateral (mm)	Variation Max right (mm)	Variation Max left (mm)
25	128.1	141.4	172.3	171.1	-0.9	-1.1	-1.5	-1.7
26	128.5	142.0	172.5	171.6	-1.3	-1.8	-1.7	-2.1
27	129.1	141.9	172.7	171.8	-2.0	-1.7	-1.9	-2.3
28	129.4	142.1	172.4	171.5	-2.1	-2.0	-1.6	-2.0
29	128.1	141.4	172.4	171.8	-1.0	-1.1	-1.6	-2.3
30	129.8	142.3	173.0	171.9	-2.6	-2.1	-2.1	-2.4
31	129.4	142.1	172.5	171.5	-2.1	-1.9	-1.7	-2.0
32	128.8	141.7	172.4	171.5	-1.6	-1.5	-1.6	-2.0
33	128.4	141.8	172.6	171.7	-1.1	-1.6	-1.8	-2.1
34	128.3	141.5	172.1	171.1	-1.1	-1.3	-1.3	-1.7
35	128.9	141.4	172.3	171.1	-1.7	-1.1	-1.5	-1.7
36	128.6	141.1	172.0	171.1	-1.4	-1.0	-1.1	-1.7
Minimum	128.7	141.7	172.0	171.0	-2.6	-2.1	-2.1	-2.4
Maximum	129.7	142.5	172.9	171.8	-0.9	-1.0	-1.1	-1.7
Range	1.0	0.8	0.9	0.8	1.7	1.1	1.0	0.7
Average	129.1	142.0	172.5	171.5	-1.6	-1.6	-1.6	-2.0
Std. deviation	0.4	0.2	0.3	0.3	0.5	0.4	0.3	0.3

Table S3.3. Results Processing III with Samsung Galaxy S22 Ultra.

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Model	Dist. Preauricular (mm)	Dist. Lateral (mm)	Dist. Max right (mm)	Dist. Max left (mm)	Variation Preauricular (mm)	Variation Lateral (mm)	Variation Max right (mm)	Variation Max left (mm)
25	127.7	141.1	172.7	171.5	-0.5	-0.9	-1.9	-2.0
26	127.9	141.5	173.5	172.1	-0.7	-1.3	-2.7	-2.7
27	128.7	141.3	173.1	172.0	-1.5	-1.1	-2.3	-2.5
28	129.0	141.8	173.3	172.4	-1.8	-1.6	-2.5	-2.9
29	129.5	142.1	172.6	171.8	-2.3	-2.0	-1.8	-2.3
30	128.7	142.1	173.1	172.3	-1.5	-2.0	-2.3	-2.8
31	130.0	142.5	172.4	171.5	-2.8	-2.3	-1.6	-2.0
32	129.1	142.0	172.4	171.5	-2.0	-1.8	-1.6	-2.0
33	130.3	142.7	173.4	172.4	-3.1	-2.5	-2.6	-2.9
34	128.0	141.4	172.5	171.5	-0.8	-1.1	-1.7	-2.0
35	129.1	141.7	173.0	172.0	-2.0	-1.5	-2.1	-2.5
36	128.6	141.4	172.5	171.1	-1.4	-1.1	-1.7	-1.7
Minimum	127.7	141.1	172.4	171.1	-3.1	-2.5	-2.7	-2.9
Maximum	130.3	142.7	173.5	172.4	-0.5	-0.9	-1.6	-1.7
Range	2.6	1.6	1.1	1.3	2.6	1.6	1.1	1.1
Average	128.9	141.8	172.9	171.8	-1.7	-1.6	-2.0	-2.4
Std. deviation	0.8	0.5	0.4	0.4	0.8	0.5	0.4	0.4

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