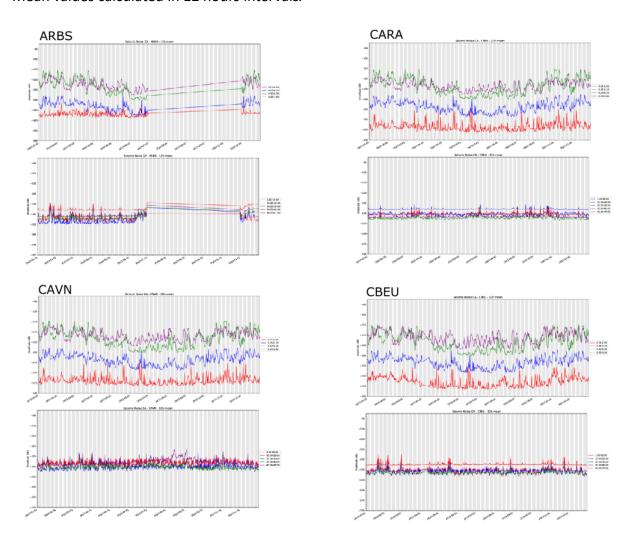
Monitoring time variations in seismic noise amplitude at permanent seismic networks

J. Díaz¹, J.A. Jara², P. Sánchez-Pastor¹, T. Frontera², H. Seivane¹ and Th. Lecocq³

Supplementary Material

Supplemental Figure 1

Mean amplitude values for stations ARBS, CARA, CAVN, CBREU, at each analyzed frequency band. Upper panel: Frequency bands below 1 Hz. Lower panel: Frequency bands above 1 Hz. Mean values calculated in 12 hours intervals.

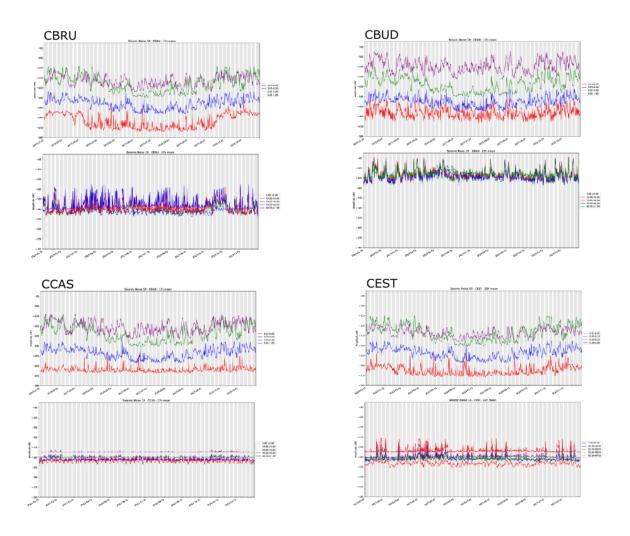


^{1.} Geosciences Barcelona (GEO3BCN-CSIC), Barcelona, Spain

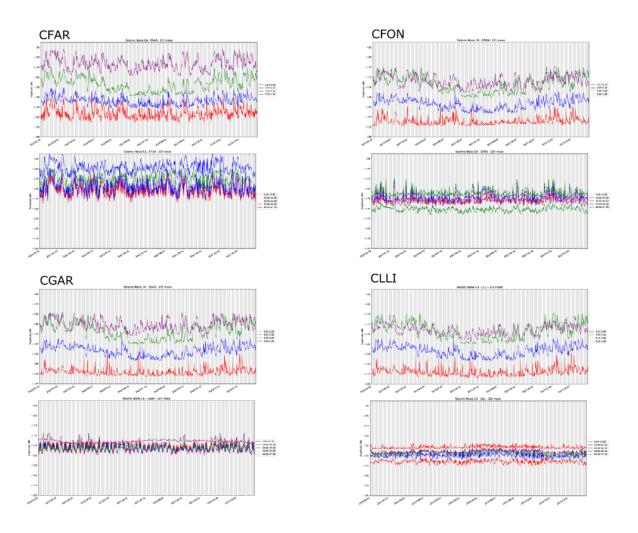
² Institut Cartogràfic i Geològic de Catalunya, Barcelona, Spain

³ Seismology-Gravimetry, Royal Observatory of Belgium, Brussels, Belgium.

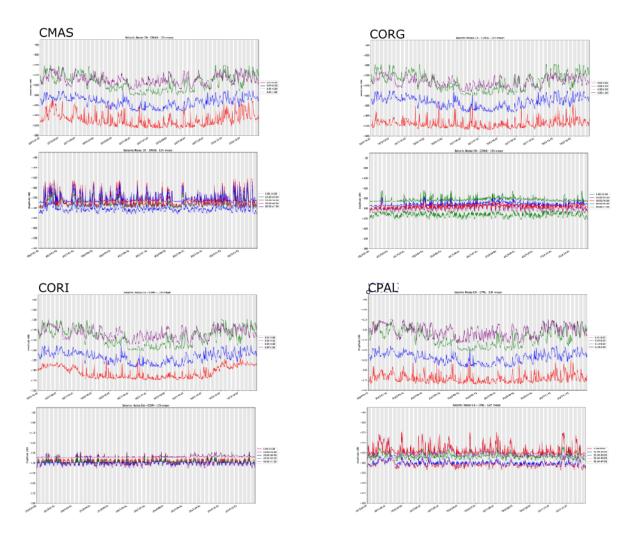
Mean amplitude values for stations CBRU, CBUD, CCAS, CEST, at each analyzed frequency band. Upper panel: Frequency bands below 1 Hz. Lower panel: Frequency bands above 1 Hz. Mean values calculated in 12 hours intervals.



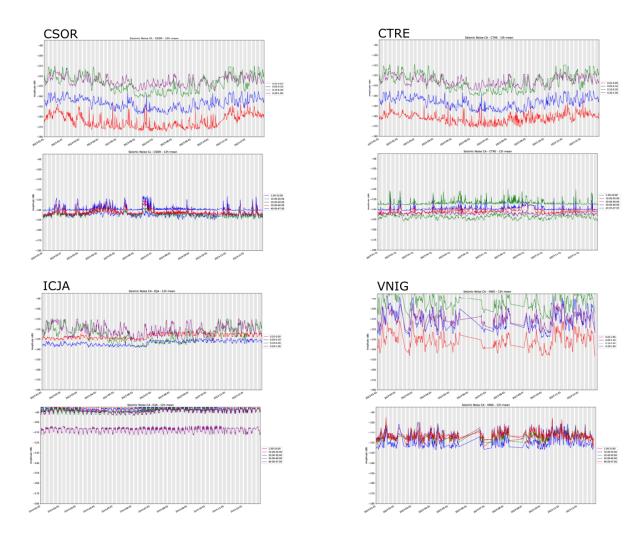
Mean amplitude values for stations CFAR, CFON, CGAR, CLLI at each analyzed frequency band. Upper panel: Frequency bands below 1 Hz. Lower panel: Frequency bands above 1 Hz. Mean values calculated in 12 hours intervals.



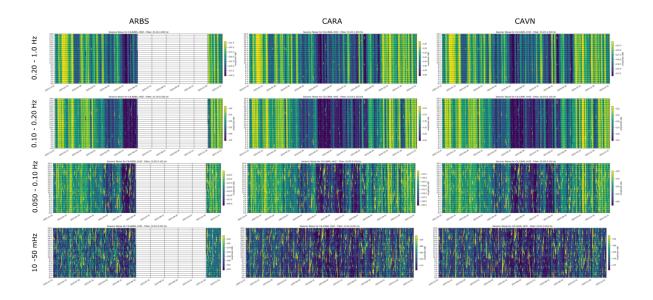
Mean amplitude values for stations CMAS, CORG, CORI, CPAL at each analyzed frequency band. Upper panel: Frequency bands below 1 Hz. Lower panel: Frequency bands above 1 Hz. Mean values calculated in 12 hours intervals.



Mean amplitude values for stations CSOR, CTRE, ICJA, VNIG at each analyzed frequency band. Upper panel: Frequency bands below 1 Hz. Lower panel: Frequency bands above 1 Hz. Mean values calculated in 12 hours intervals.

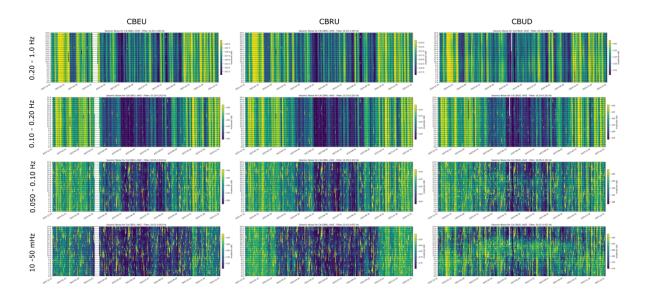


Power amplitude variations at low frequency bands as a function of the date and the time of the day for stations ARBS, CARA and CAVN

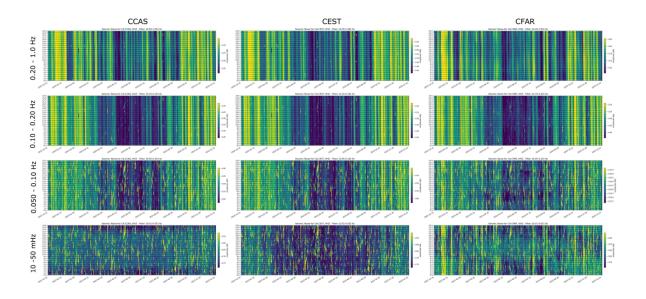


Supplemental Figure 7

Power amplitude variations at low frequency bands as a function of the date and the time of the day for stations CBEU, CBRU and CBUD

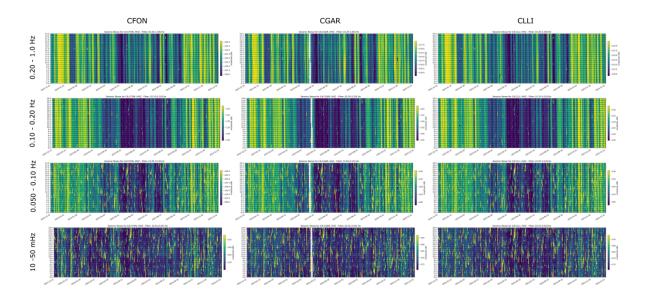


Power amplitude variations at low frequency bands as a function of the date and the time of the day for stations CCAS, CEST and CFAR

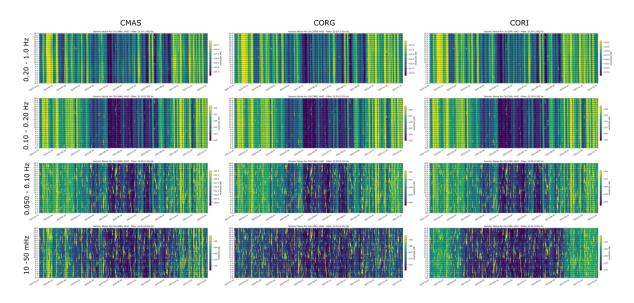


Supplemental Figure 9

Power amplitude variations at low frequency bands as a function of the date and the time of the day for stations CFON, CGAR and CLLI

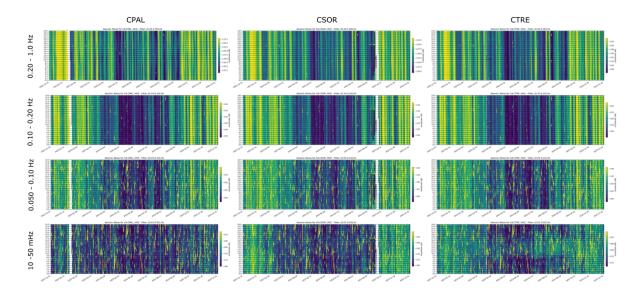


Power amplitude variations at low frequency bands as a function of the date and the time of the day for stations CMAS, CORG and CORI

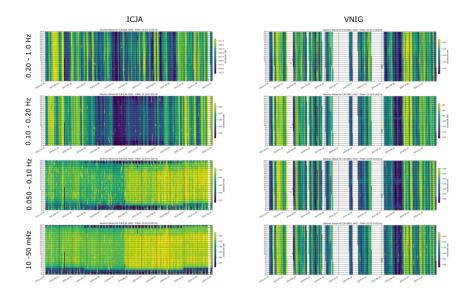


Supplemental Figure 11

Power amplitude variations at low frequency bands as a function of the date and the time of the day for stations CPAL, CSOR and CTRE

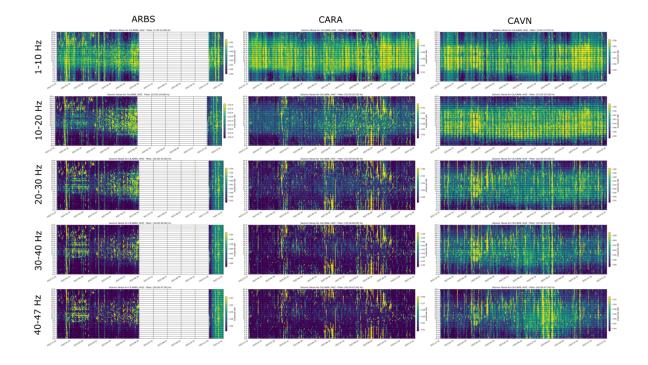


Power amplitude variations at low frequency bands as a function of the date and the time of the day for stations ICJA and VNIG

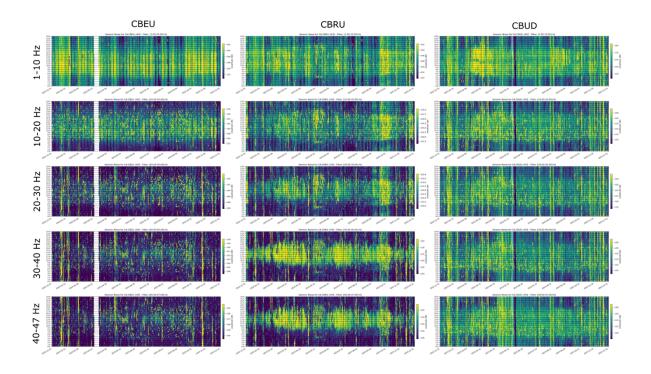


Supplemental Figure 13

Power amplitude variations at high frequency bands as a function of the date and the time of the day for stations ARBS, CARA and CAVN

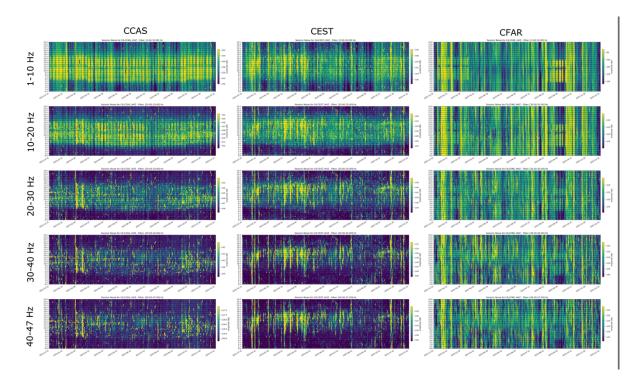


Power amplitude variations at high frequency bands as a function of the date and the time of the day for stations CBEU, CBRU and CBUD

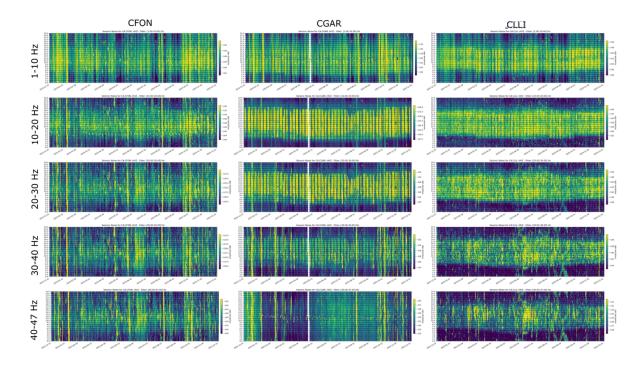


Supplemental Figure 15

Power amplitude variations at high frequency bands as a function of the date and the time of the day for stations CCAS, CEST and CFAR

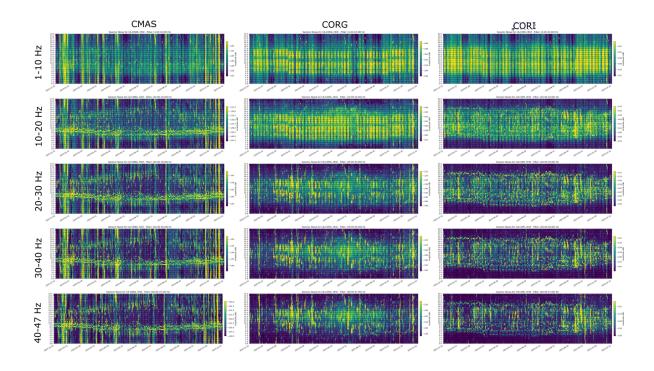


Power amplitude variations at high frequency bands as a function of the date and the time of the day for stations CFON, CGAR and CLLI

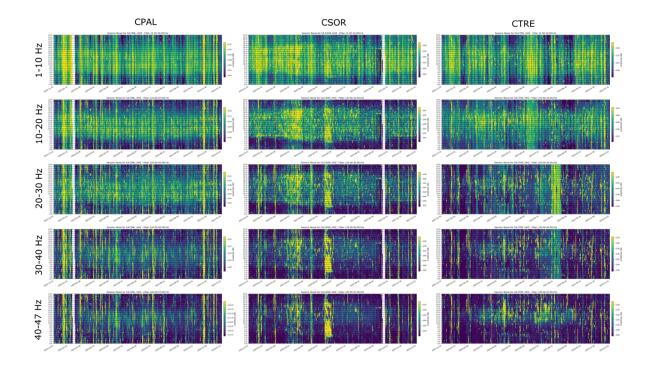


Supplemental Figure 17

Power amplitude variations at high frequency bands as a function of the date and the time of the day for stations CMAS, CORG and CORI

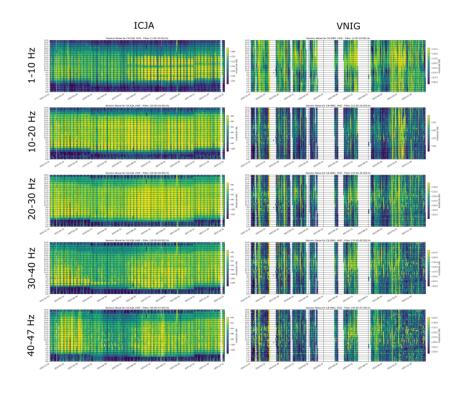


Power amplitude variations at high frequency bands as a function of the date and the time of the day for stations CPAL, CSOR and CTRE

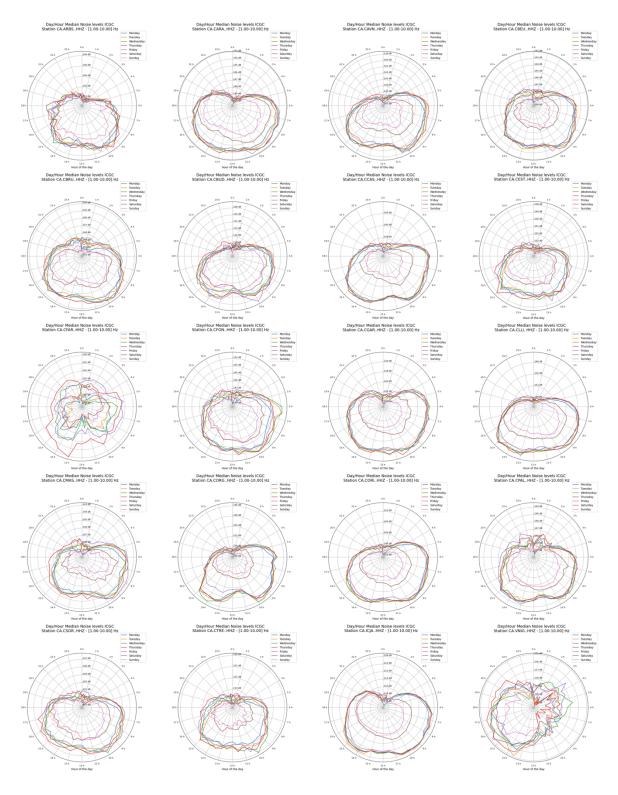


Supplemental Figure 19

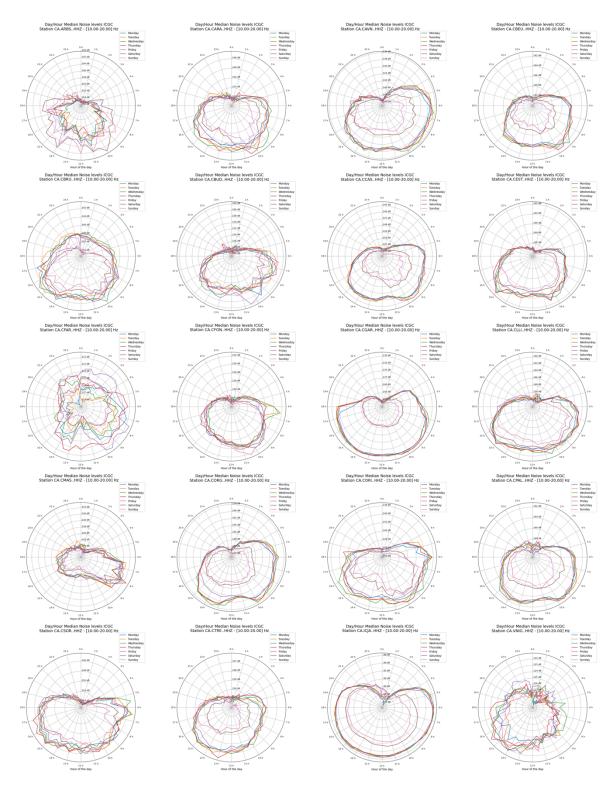
Power amplitude variations at high frequency bands as a function of the date and the time of the day for stations ICJA and VNIG



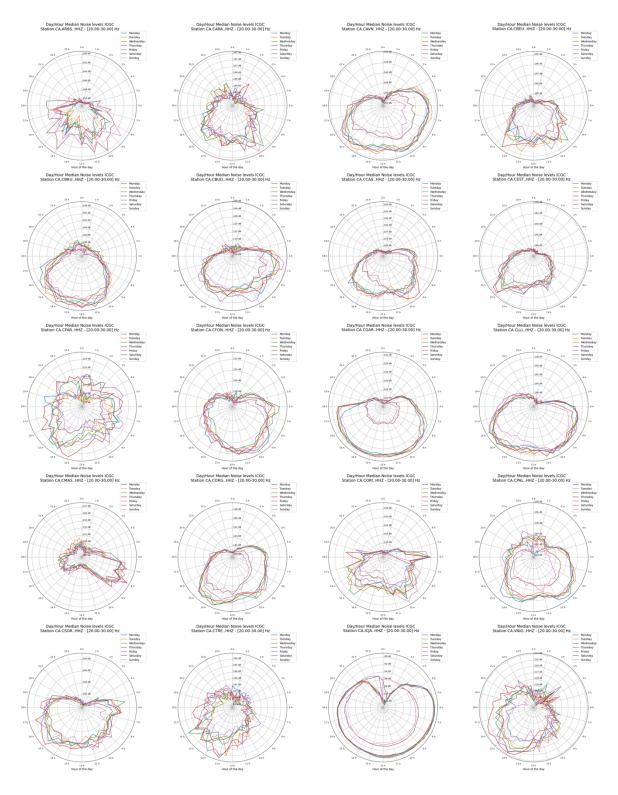
Power amplitude for the 1-10 Hz frequency band, represented as a function of the hour of the day and the day of the week. Each line, represented with different colors, shows the mean values for the days of the week (Monday-Sunday)



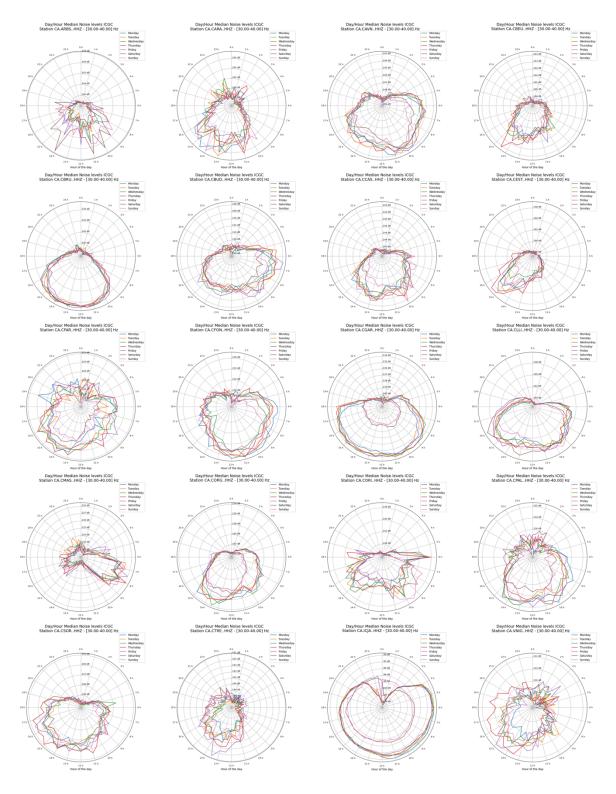
Power amplitude for the 10-20 Hz frequency band, represented as a function of the hour of the day and the day of the week. Each line, represented with different colors, shows the mean values for the days of the week (Monday-Sunday)



Power amplitude for the 20-30 Hz frequency band, represented as a function of the hour of the day and the day of the week. Each line, represented with different colors, shows the mean values for the days of the week (Monday-Sunday)



Power amplitude for the 30-40 Hz frequency band, represented as a function of the hour of the day and the day of the week. Each line, represented with different colors, shows the mean values for the days of the week (Monday-Sunday)



Power amplitude for the 40-47 Hz frequency band, represented as a function of the hour of the day and the day of the week. Each line, represented with different colors, shows the mean values for the days of the week (Monday-Sunday)

