**[For SUPPLEMENTARY MATERIAL]**

**Mediterranean Early Iron Age chronology: assessing radiocarbon dates from a stratified Geometric period deposit at Zagora (Andros), Greece**

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*Figure S1. Probability density function for the difference (“D”) between the two boundaries between levels 15 and 7 (“A” and “B”). The results suggest that these are statistically comparable as the distribution includes zero at both 95.4% and 68.3% confidence interval (bars beneath distribution). This suggests that the occupation at this point in the sequence was continuous and short.*



Figure S2. Probability density functions for the difference (“D”) between the start of levels 19, 7 and 5. These results suggest that, apart from levels 7 and 5, the distributions do not overlap at 68.3% confidence interval as they do not include zero. This suggests that the cultural events were generally temporally distinct, yet in close sequential order. Bars underneath the distributions denote confidence intervals.

**OxCal code**

Plot()

 {

 Outlier\_Model("General",T(5),U(0,4),"t");

 Sequence("Zagora")

 {

 Boundary("Start level 19");

 Phase("Level 19")

 {

 R\_Date("UNSW-219", 2826, 20)

 {

 Outlier("General", 0.05);

 chronology="MG / SPG III";

 level="19";

 };

 R\_Date("UNSW-221", 2814, 20)

 {

 Outlier("General", 0.05);

 chronology="MG / SPG III";

 level="19";

 };

 };

 Boundary("End level 19/Start level 18");

 Label("Level 18");

 R\_Date("UNSW-214", 2815, 20)

 {

 Outlier("General", 0.05);

 chronology="MG / SPG III";

 level="18";

 };

 Boundary("End level 18/Start level 17");

 Label("Level 17");

 R\_Date("UNSW-215", 2818, 20)

 {

 Outlier("General", 0.05);

 chronology="MG / SPG III";

 level="17";

 };

 Boundary("End level 17/Start level 16");

 Label("Level 16");

 R\_Date("UNSW-217", 2810, 20)

 {

 Outlier("General", 0.05);

 chronology="MG / SPG III";

 level="16";

 };

 Boundary("End level 16/Start level 15");

 Phase("Level 15")

 {

 R\_Date("UNSW-213", 2809, 20)

 {

 Outlier("General", 0.05);

 chronology="MG / SPG III";

 level="15";

 };

 R\_Date("UNSW-216", 2807, 20)

 {

 Outlier("General", 0.05);

 chronology="MG / SPG III";

 level="15";

 };

 };

 Boundary("End level 15/Start gap");

 Date("Date of gap");

 Interval("Duration of gap");

 Boundary("End gap/Start level 7");

 Label("Level 7");

 R\_Date("UNSW-222", 2753, 20)

 {

 Outlier("General", 0.05);

 chronology="MG II / SPG IIIb";

 level="7";

 };

 Boundary("End level 7/Start level 6");

 R\_Date("UNSW-218", 2759, 20)

 {

 Outlier("General", 0.05);

 chronology="MG II / SPG IIIb";

 level="6";

 };

 Boundary("End level 6/Start level 5");

 R\_Date("UNSW-220", 2764, 20)

 {

 Outlier("General", 0.05);

 chronology="LG I";

 level="5";

 };

 Boundary("End level 5");

 };

 Sequence()

 {

 Boundary("=Start level 19");

 Interval("Duration MG / SPG III");

 Date("Date MG / SPG III");

 Boundary("=End level 15/Start gap");

 };

 Sequence()

 {

 Boundary("=End gap/Start level 7");

 Interval("Duration MG II / SPG IIIb");

 Date("Date MG II / SPG IIIb");

 Boundary("=End level 6/Start level 5");

 };

 Sequence()

 {

 Boundary("=End level 6/Start level 5");

 Interval("Duration LG I");

 Date("Date LG I");

 Boundary("=End level 5");

 };

 Sequence()

 {

 Boundary("=End level 19/Start level 18");

 Interval("Duration level 18 or surface 3");

 Date("Date level 18 or surface 3");

 Boundary("=End level 18/Start level 17");

 };

 };