**New Insights into the Radiocarbon Chronology of Iberian Megalithic Societies: The *tholos*-type Tombs of Mojácar (Almería, Spain)**

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**Supplementary Material**

***Table S1.*** *Radiocarbon dates from the Chalcolithic settlements of the Vera basin.*

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| **Site** | **Laboratory code** | **Type of material** | **Radiocarbon age (bp)** | **Calibrated date range (68% confidence) cal bc** | **Calibrated date range (95% confidence) cal bc** | **Reference** |
| Almizaraque  | CSIC-655 | Charcoal | 3890±50 | 2470–2300 | 2490–2200 | http://www.idearqueologia.org/ |
| KN-73 | Charcoal | 3810±60 | 2390–2140 | 2470–2050 | Almagro Gorbea, 1972 |
| CSIC-269 | Charcoal | 3860±60 | 2460–2230 | 2480–2140 | Alonso Mathias et al., 1978 |
| CSIC-644 | Charcoal | 3950±50 | 2570–2350 | 2580–2300 | Castaño et al., 1991 |
| UGRA-170 | Charcoal | 4300±90 | 3090–2710 | 3330–2630 | González-Gómez et al., 1986 |
| CSIC-643 | Charcoal | 4030±50 | 2620–2470 | 2860–2460 | Castaño et al., 1991 |
| CSIC-754 | Charcoal | 4060±70 | 2840–2480 | 2880–2460 | Castaño et al., 1991 |
| CSIC-646 | Charcoal | 3910±50 | 2480–2300 | 2570–2200 | Castaño et al., 1991 |
| CSIC-647 | Charcoal | 3900±50 | 2470–2300 | 2560–2200 | Castaño et al., 1991 |
| CSIC-645 | Charcoal | 4030±50 | 2840–2470 | 2870–2350 | Castaño et al., 1991 |
| IRPA-1084 | Charcoal | 4210±60 | 2900–2680 | 2920–2610 | http://c14.kikirpa.be/ |
| IRPA-1081 | Charcoal | 4000±50 | 2580–2470 | 2840–2340 | Castro et al., 1996 |
| IRPA-1082 | Charcoal | 4290±60 | 3020–2870 | 3100–2690 | Castro et al., 1996 |
| Las Pilas  | Ua-48819 | Charcoal | 4155±43 |

|  |
| --- |
|  2880–2670 |

 | 2890–2610 | Murillo Baroso et al., 2017 |
| Beta-403257 | Charcoal | 3820±30 | 2300–2200 | 2450–2140 | Murillo Baroso et al., 2017 |
| Beta-408065 | Seed (*T. aestivum durum*) | 3860±30 | 2460–2280 | 2470–2200 | Murillo Baroso et al., 2017 |
| Beta-408064 | Seed (*H. vulgare nudum*) | 3860±30 | 2460–2280 | 2470–2200 | Murillo Baroso et al., 2017 |
| Beta-408060 | Seed (*T. aestivum durum*) | 3870±30 | 2460–2290 | 2470–2210 | Murillo Baroso et al., 2017 |
| Beta-408062 | Seed (*T. aestivum durum*) | 3880±30 | 2460–2300 | 2470–2230 | Murillo Baroso et al., 2017 |
| Beta-408063 | Seed (*T. aestivum durum*) | 3950±30 | 2570–2350 | 2570–2340 | Murillo Baroso et al., 2017 |
| Beta-408061 | Seed (*T. aestivum durum*) | 3980±30 | 2570–2460 | 2580–2450 | Murillo Baroso et al., 2017 |
| Beta-403262 | Charcoal | 4130±30 | 2860–2630 | 2880–2580 | Murillo Baroso et al., 2017 |
| Beta-408055 | Seed (*H. vulgare nudum*) | 4120±30 | 2860–2620 | 2870–2570 | Murillo Baroso et al., 2017 |
| Beta-408054 | Seed (*H. vulgare nudum*) | 4200±30 | 2890–2700 | 2900–2670 | Murillo Baroso et al., 2017 |
| Beta-408053 | Seed (*H. vulgare nudum*) | 4210±30 | 2890–2710 | 2900–2670 | Murillo Baroso et al., 2017 |
| Beta-408051 | Seed (*H. vulgare nudum*) | 4220±30 | 2900–2760 | 2910–2690 | Murillo Baroso et al., 2017 |
| IRPA-1030 | Charcoal | 3820±60 | 2410–2140 | 2470–2060 | http://c14.kikirpa.be/ |
| IRPA-1027 | Charcoal | 3810±50 | 2340–2140 | 2460–2060 | http://c14.kikirpa.be/ |
| IRPA-1029 | Charcoal | 3840±50 | 2440–2200 | 2470–2140 | http://c14.kikirpa.be/ |
| IRPA-1028 | Charcoal | 3940±50 | 2560–2340 | 2580–2290 | http://c14.kikirpa.be/ |
| Campos  | GrN-15507 | Charcoal | 3915±40 | 2470–2340 | 2570–2280 | Mederos, 1995 |
| GrN-15111 | Charcoal | 3990±35 | 2570–2470 | 2620–2400 | Mederos, 1995 |
| GrN-15509 | Charcoal | 4005±40 | 2570–2470 | 2840–2450 | Mederos, 1995 |
| GrN-15510 | Charcoal | 4025±25 | 2580–2490 | 2620–2470 | Mederos, 1995 |
| GrN-15508 | Charcoal | 4080±25 | 2840–2570 | 2860–2490 | Mederos, 1995 |

***Table S2****. Radiocarbon dates from the megalithic tombs of the studied region.*

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| --- | --- | --- | --- | --- | --- | --- |
| **Necropolis Tomb** | **Type of tomb** | **Laboratory code** | **Type of material** | **Radiocarbon age (bp)** | **Calibrated date (68% confidence) cal bc** | **Calibrated date (95% confidence) cal bc** |
| Las Churuletas 1 | *Rundgräber* | Beta-439073 | Animal Bone | 4200±30 | 2890–2700 | 2900–2670 |
| Las Churuletas 2 | *Rundgräber* | Beta-421155 | Human bone | 4680±30 | 3520–3370 | 3630–3360 |
| Las Churuletas 3 | *Rundgräber* | Beta-439075 | Human tooth | 4790±30 | 3640–3530 | 3650–3520 |
| Beta-421156 | Human bone | 4490±30 | 3340–3100 | 3350-–3090 |
| Beta-439074 | Human tooth | 4200±30 | 2890–2700 | 2900-–670 |
| Las Churuletas 4 | Chamber with passage | Beta-421157 | Human bone | 4470±30 | 3330–3090 | 3340–3020 |
| Beta-439076 | Human tooth | 3980±30 | 2570–2460 | 2580–2450 |
| Las Churuletas 5 | *Rundgräber* | Beta-421158 | Human bone | 4530±30 | 3360–3110 | 3370–3100 |
| Las Churuletas 6 | *Rundgräber* | Beta-439078 | Human tooth | 4180±30 | 2880–2690 | 2890–2660 |
| La Atalaya 1 | *Rundgräber* | SUERC-69010 | Human bone | 4050±29 | 2620–2490 | 2840–2480 |
| La Atalaya 6 | Chamber with passage | SUERC-69013 | Human bone | 4041±29 | 2620–2490 | 2840–2470 |
| SUERC-69012 | Human bone | 4012±29 | 2570–2480 | 2620–2460 |
| SUERC-69011 | Human bone | 3959±25 | 2570–2460 | 2570–2340 |
| ETH-74311 | Human bone | 3928±20 | 2475–2345 | 2480–2340 |
| ETH-74310 | Human bone | 3925±20 | 2475–2345 | 2480–2340 |
| ETH-74309 | Human bone | 3922±20 | 2470–2345 | 2475–2340 |
| ETH-74308 | Human bone | 3844±20 | 2345–2210 | 2455–2200 |
| La Atalaya 7 | Chamber with passage | SUERC-69017 | Human tooth | 4883±29 | 3700–3640 | 3710–3630 |
| La Atalaya 8 | *Rundgräber* | SUERC-69018 | Human bone | 4582±29 | 3490–3190 | 3500–3110 |
| La Atalaya 9 | *Rundgräber* | SUERC-69019 | Human tooh | 4578±29 | 3490–3140 | 3500–3110 |
| Jautón 1 | *Rundgräber* | ETH-74312 | Human tooth | 4163±20 | 2875–2695 | 2880–2665 |
| ETH-74313 | Human tooth | 4164±20 | 2875–2695 | 2880–2665 |
| ETH-74314 | Human tooth | 4175±20 | 2875–2700 | 2880–2675 |
| ETH-74315 | Human tooth | 4148±20 | 2865–2670 | 2875–2630 |
| ETH-74316 | Human tooth | 4112±20 | 2850–2615 | 2860–2575 |
| ETH-74317 | Human tooth | 4151±20 | 2865–2670 | 2875–2635 |
| ETH-74318 | Human tooth | 4153±20 | 2870–2675 | 2875–2635 |
| Jautón 5b | *Rundgräber* | SUERC-69020 | Human tooth | 4219±29 | 2900–2760 | 2910–2690 |
| - | Human bone | 4160±60 | 2880–2660 | 2890–2580 |
| Jautón 6 | Chamber with passage | SUERC-69021 | Human tooth | 4264±29 | 2910–2880 | 2930–2770 |
| SUERC-69022 | Human tooth | 4189±24 | 2880–2705 | 2890–2675 |
| La Encantada  | *Tholoi* | CSIC-249 | Human bone | 2830±60 | 1080–900 | 1200–830 |
| Gorriquía 1 | *Rundgräber* | Beta-184196 | Human bone | 2300±40 | 410–250 | 430–200 |
| Caporchanes 2 | Chamber with passage | Beta-171807 | Human bone | 1850±50 | 80–240 cal ad | 50–330 cal ad |
| Alparatas 1 | *Rundgräber* | Beta-171806 | Human bone | 1450±50 | 570–650 cal ad | 430–670 cal ad |

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