

# **CONTRIBUCIÓN AL CONOCIMIENTO DE LOS ODONATOS (ODONATA) DE LA PROVINCIA DE MÁLAGA (ESPAÑA)**

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## **RESUMEN**

*Se informa de las observaciones de odonatos realizadas en la provincia de Málaga durante los años 2005 a 2012, así como la revisión de la bibliografía disponible. El catálogo resultante asciende a 56 especies.*

## **ABSTRACT**

*Dragonflies (Odonata) records from the province of Malaga, Spain, during the period 2005-2012, are reported. The available literature is reviewed and the provincial catalogue is updated. Currently 56 species are known within Malaga.*

## **Introducción**

La provincia de Málaga, situada en el sur de la península ibérica, se caracteriza por presentar cuencas hidrográficas de corto recorrido y caudal estacional, debido principalmente al clima cálido mediterráneo que predomina, a las escasas precipitaciones que se producen durante el estío y a su acusada orografía, ya que su territorio es recorrido de este a oeste por las cordilleras Subbética y Penibética.

Exceptuando las cuencas de los ríos Guadalhorce, Guadiaro y su afluente, el Genal, que alcanzan mayor longitud y mantienen el agua todo el año, el resto de las cuencas suele secarse en mayor o menor medida durante los meses de verano, principalmente las de la mitad oriental, entre las que destaca la del río Vélez. Todas ellas pertenecen al distrito hidrográfico mediterráneo, excepto algunas pequeñas cuencas situadas al norte y noroeste de

la provincia que corresponden a arroyos tributarios del río Guadalquivir<sup>1</sup>.

En el Surco Intrabético, formado entre las dos cordilleras, se encuentran las depresiones de Ronda y Antequera. Esta última alberga un buen número de lagunas endorréicas de agua dulce y algunas de aguas salobres como la Laguna de Fuente de Piedra, así como multitud de charcas temporales<sup>1</sup>. Además de lo anteriormente referido, existen puntos de agua de diversa índole: manantiales, pequeñas lagunas de montaña, fuentes y abrevaderos, acequias y balsas artificiales (para riego en agricultura y campos de golf), azudes y embalses. Todos ellos, en mayor o menor medida, sufren fluctuaciones en el nivel de agua, tanto estacional como anualmente.

Hasta el presente trabajo, el estudio corológico de la odonatofauna en esta provincia ha sido desarrollado desde mediados del siglo XIX por diversos autores y los trabajos realizados aportan un importante catálogo de especies (RAMBUR 1842; ROSENHAUER 1856; PICTET 1865; NAVÁS 1902a; NAVÁS 1924a; BENITEZ MORERA 1950; AGUESSE 1962; COMPTE-SART 1962; SCHMIDT 1967; BELLE 1979a; CONESA-GARCÍA 1982; CONESA-GARCÍA 1983; KAHLERT 1984; CONESA-GARCÍA 1985c; CONESA-GARCÍA 1986; OCHARAN 1987; COMPTE-SART 1988; CONESA-GARCÍA 1990; BUTLER 1992; JÖDICKE 1996; MARTENS *et al.* 1996; RHÖN 1996; CANO-VILLEGAS 2003; CHELMICK 2006; KUNZ *et al.* 2006; CHELMICK 2007; CHELMICK & PICKESS 2008; CANO-VILLEGAS & CONESA-GARCÍA 2009a; VERDÚ *et al.* 2011; GAVIRA & CARRASCO 2012; PRUNIER *et al.* 2012; CAPMA 2013, CONESA-GARCÍA *et al.* 2013; MORENO-BENÍTEZ *et al.* 2013; ROLA 2013; VENHUIS & RIPOLL 2013)<sup>2</sup>.

Según esta bibliografía, se conocen un total de 54 especies en la provincia de Málaga, un alto número teniendo en cuenta que en la actualidad se han citado 65 especies en Andalucía y 77 en la península ibérica<sup>3</sup>.

## Material y método

El presente trabajo abarca el periodo comprendido entre los años 2005 y 2012, ambos inclusive. Para ello, se ha visitado una buena muestra de las cuencas y ecosistemas

(1) DURÁN VALSERO, (2007) Atlas hidrogeológico de la provincia de Málaga. Instituto Geológico Minero de España; Málaga: Diputación de Málaga.

(2) La bibliografía detallada está recopilada en el segundo artículo de este número.

(3) HERRERA GRAO, A., GAVIRA, Ó. & BLANCO GARRIDO, F. (2009) Odonatos. 2. Sevilla: Agencia Andaluza del Agua.

anteriormente descritos, si bien quedan amplias zonas por prospectar (fig. 1).

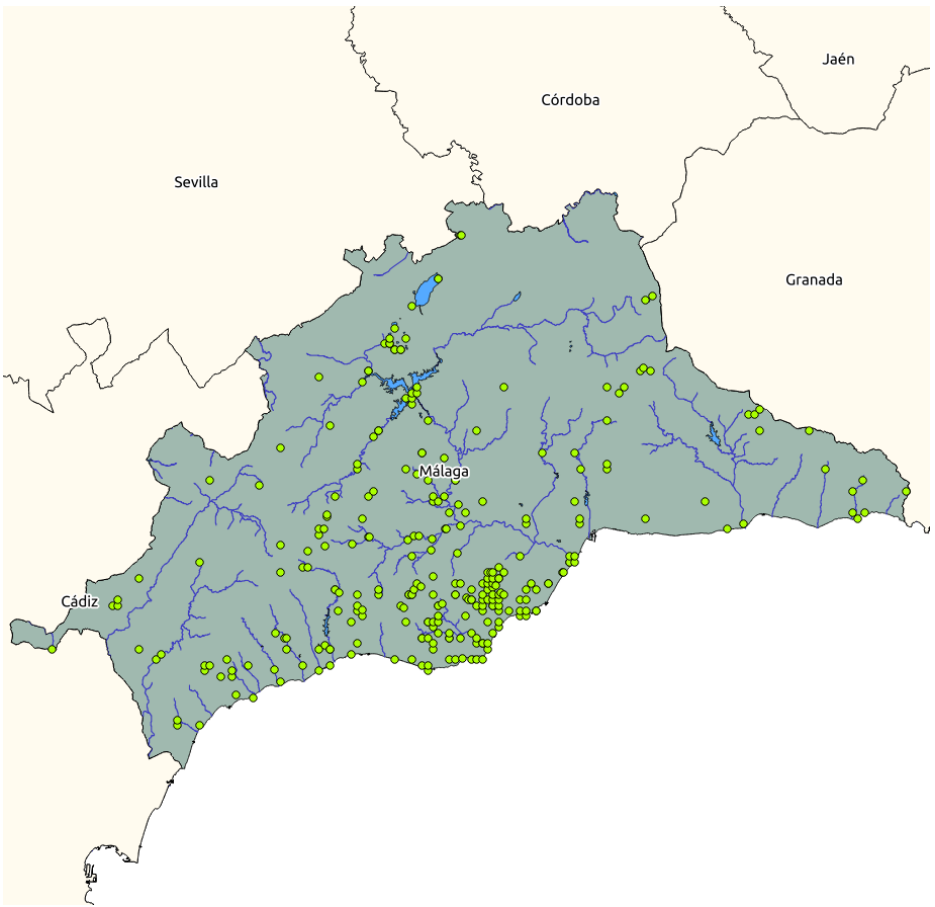


Figura 1: Localización de los puntos de muestreo.

Los datos han sido obtenidos principalmente mediante observaciones puntuales de imagos, si bien en ocasiones se han realizado muestreos activos, tanto en la búsqueda de imagos como, en menor medida de exuvias y larvas.

La identificación de imagos se ha realizado, en la mayoría de los casos, *in situ*, mediante la observación directa con prismáticos. En alguna ocasión se ha recurrido a la captura temporal, siendo los ejemplares devueltos al medio en el mismo lugar de la captura (se ha contado con la

autorización de la Consejería de Agricultura, Pesca y Medio Ambiente de la Junta de Andalucía). Además, tanto en los casos en que no se han podido capturar como en los que sí, siempre que se ha podido se ha recurrido a la toma de fotografías, para su posterior clasificación. Las muestras de exuvias han sido analizadas en laboratorio. Las muestras de larvas se han fotografiado *in situ*, siendo devueltas al medio y determinadas posteriormente.

También se han incluido las identificaciones basadas en fotografías de imagos remitidas por diversos colaboradores, siempre y cuando estas fotografías tuvieran un mínimo de calidad para poder hacer la identificación y se hubiera aportado un mínimo de precisión en la observación (fecha, localidad, UTM 1x1).

A continuación se enumeran las personas que han colaborado en el presente estudio, así como su abreviatura, la cual será usada a partir de ahora para referirnos a cada uno de ellas: Ulpiano Bruña Yétor (UBY), Francisco José Cano Villegas (FJCV), Patricia Carrasco García (PC), Oscar Gavira Romero (OG), Matías de las Heras Carmona (MdH), Manuel Lorenzo Castillo (MLC), Borja Martín Aranda (BM), Juan Antonio Martín Bravo (JAMB), José Manuel Moreno-Benitez (JMMB), Juan José Ortuño García (JJO), Florent Prunier (FP), Joaquín Ramírez López (JRL), José Antonio Ríos Bosquet (JARB), J. Javier Ripoll Rodríguez (JRR), Jacinto Segura Moreno (JS), Francisco Solano González (FSG), Salvador Solís Gómez (SS), Francisco de Erit Vázquez Toro (FVT), Paul Winter (PW).

Para la elaboración de la tabla y mapa de riqueza, se ha accedido a citas aún inéditas presentes en la base de datos de la Red de observadores de libélulas en Andalucía (ROLA), fundamentalmente datos de David Chelmick en la cuenca del río Guadiaro.

## Resultados

De las 54 especies citadas de la provincia de Málaga, en el presente estudio se han observado 45, además de 2 no conocidas hasta el momento: *Onychogomphus costae* Selys, 1885 y *Paragomphus genei* (Selys, 1841). De las 9 especies citadas restantes, no se han obtenido observaciones. Con todo, el catálogo de odonatos de la provincia de Málaga asciende a 56 especies (Tabla 1).

***Calopteryx haemorrhoidalis* (Vander Linden, 1825)**

**Citas:** [UF4551] 16/7/05: Ad (JMMB); [UF4345] 12/6/06: Ad (JMMB); [UF4279] 22/6/06: 1♂ (PW); [UF4245] 12/7/06: Ad (JMMB); [UF4551] 15/7/06: Ad (JMMB); [UF3953] 09/6/07: Ad (JJO, JMMB, JRR); [UF4279] 29/6/07: 1♂1♀ (PW); [UF3483] 26/9/07: 13Ad (PW); [VF2374] 24/7/08: Ad (JMMB); [UF4245] 10/8/08: Ad (JMMB, UBY); [VF2374] 14/8/08: Ad (JMMB, UBY); [UF4279] 19/6/09: 30Ad (PW); [UF3483] 24/6/09: 3Ad (PW); [UF4279] 15/6/10: Ad (PW); [UF3483] 17/6/10: 5Ad (PW); [UF4279] 19/6/10: 20Ad (PW); [UF4279] 26/6/10: Ad (PW); [UF4551] 15/7/10: Ad (JRR); [UF4245] 20/7/10: Ad (JMMB); [UF4551] 22/7/10: Ad (JMMB, UBY); [UF4551] 22/7/10: Ad (JMMB, UBY); [UF4551] 10/8/10: Ad (JMMB); [UF3263] 12/8/10: Ad (JMMB, JRR, UBY); [UF4945] 14/8/10: Ad (JMMB); [UF2654] 15/8/10: Ad (JARB, JMMB); [UF4860] 17/8/10: Ad (JMMB, JRR); [UF5648] 20/8/10: 1Ad (JMMB); [UF1040] 21/8/10: Ad (JMMB, JRR); [UF3077] 24/8/10: Ad (JMMB, JRR); [UF3076] 24/8/10: Ad (JMMB, JRR); [UF0738] 28/8/10: Ad (JMMB, JRR); [UF0641] 28/8/10: Ad (JMMB, JRR); [TF9341] 30/8/10: Ad (JMMB, JRR); [TF9442] 30/8/10: Ad (JMMB, JRR); [UF3192] 02/9/10: Ad (JMMB, JRR); [UF3382] 02/9/10: Ad (JMMB, JRR); [UF2654] 05/9/10: Ad (JJO, JMMB, JRR); [UF3483] 25/9/10: 10Ad (PW); [UF4356] 30/9/10: Ad (JMMB, MLC); [TF9729] 02/10/10: Ad (JAMB, JMMB, JRR); [TF9730] 02/10/10: Ad (JAMB, JMMB, JRR); [UF4356] 10/10/10: Ad (JRR); [UF4356] 10/10/10: Ad (JRR); [UF4551] 17/10/10: Ad (JJO, JRR); [UF5448] 05/5/11: Ad (JMMB); [UF5352] 24/5/11: Ad (JMMB); [UF2584] 28/5/11: Ad (JAMB, JMMB); [TF9442] 04/6/11: Ad (JARB, JMMB); [UF4385] 10/6/11: 1♂ (PW); [UF5553] 11/6/11: Ad (JAMB, JMMB); [UF4279] 13/6/11: 20Ad (PW); [UF3483] 16/6/11: 20Ad (PW); [UF4279] 22/6/11: 50Ad (PW); [UF4551] 20/7/11: Ad (JRR, JS); [UF4356] 20/7/11: 6Ad (JRR, JS); [UF4356] 20/7/11: ♂♀ (JRR, JS); [UF1745] 26/7/11: 2♂2♀ (FVT, JRR); [UF1645] 26/7/11: 6Ad (FVT, JRR); [UF5370] 27/7/11: Ad (JMMB); [UF3976] 27/7/11: Ad (JMMB); [UF4175] 27/7/11: Ad (JMMB); [UF3044] 27/7/11: 6Ad (FVT); [UF4860] 08/8/11: 10♂10♀ (JRR); [UF4551] 10/8/11: ♂♀ (FSG, JRR, JS); [UF5648] 10/9/11: Ad (JMMB); [UF5350] 14/9/11: Ad (JMMB); [UF3044] 15/9/11: 3Ad (FVT); [UF4356] 17/9/11: Ad (JMMB); [UF4385] 19/9/11: 1Ad (PW); [UF2654] 29/9/11: 20Ad (FVT, JRL); [UF3453] 11/10/11: 3Ad (JMMB); [UF3453] 11/10/11: 3Ad (JMMB); [UF4860] 03/5/12: 2♂ (JRR); [UF4549] 26/5/12: ♂♀ (JMMB); [UF4356] 09/6/12: Ad (JRR); [UF4551] 09/6/12: ♂♀ (JRR); [UF4860] 21/6/12: 4♂7♀ (JRR); [UF4548] 30/6/12: ♂♀ (JMMB); [UF5791] 11/7/12: 1♂ (JMMB); [UF3263] 17/7/12: Ad, presencia Ex (JRR, MdH); [UF3953] 23/7/12: 2♂5♀ (JMMB, JRR, OG); [UF4054] 23/7/12: 2♀ (JMMB, JRR, OG); [UF3953] 27/7/12: Ad (JMMB, JRR, OG); [UF4054] 27/7/12: 2♂1♀ (JMMB, JRR, OG); [UF4860] 31/7/12: 2♂1♀ (JRR); [VF2172] 07/8/12: ♂♀ (JMMB); [UF4551] 08/8/12: 5Ad3Ex (FVT, JRR); [UF4548] 27/8/12: ♂♀ (JMMB); [UF4548] 30/9/12: ♂♀ (JMMB). Cuadrículas 10x10: 24 cuadrículas (9 nuevas).

**Bibliografía:** PICTET 1865; BELLE 1979a; CONESA-GARCIA 1983; OCHARAN 1987; MARTENS *et al.* 1996; JÖDICKE 1996; CANO-VILLEGAS 2003; CHELMICK 2007; CHELMICK & PICKESS 2008; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 32.

***Calopteryx virgo meridionalis* Selys, 1873**

Especie no avistada.

**Bibliografía:** JÖDICKE 1996. Cuadrículas 10x10: 3.

***Calopteryx xanthostoma* (Charpentier, 1825)**

**Citas:** [UF2654] 05/9/10: Ad (JJO, JMMB, JRR). Cuadrículas 10x10: 1 cuadrícula (1 nueva).

**Bibliografía:** JÖDICKE 1996; ROLA 2013. Cuadrículas 10x10: 1.

***Chalcolestes viridis* (Vander Linden, 1825)**

**Citas:** [UF0738] 28/8/10: Ad (JMMB, JRR); [TF9442] 30/8/10: Ad (JMMB, JRR); [UF2654] 05/9/10: Ad (JJO, JMMB, JRR); [UF7079] 14/9/10: Ad (JMMB, JRR); [UF4356] 30/9/10: Ad (JMMB, MLC); [TF9730] 02/10/10: Ad (JAMB, JMMB, JRR); [UF6150] 06/10/10: Ad (JMMB); [UF6052] 06/10/10: Ad (JMMB); [UF4356] 10/10/10: Ad (JRR); [UF4356] 10/10/10: Ad (JRR); [UF6479] 01/11/10: Ad (JMMB, JRR); [UF4443] 04/11/10: Ad (JMMB); [UF1645] 06/11/10: Ad (JAMB, JMMB, JRR); [UF2543] 13/11/10: Ad (JMMB); [UF4356] 20/7/11: 3Ad (JRR, JS); [UF4356] 20/7/11: 1♂2♀ (JRR, JS); [UF4551] 10/8/11: 4♂ (FSG, JRR, JS); [UF4356] 17/9/11: Ad (JMMB); [UF2654] 29/9/11: 3Ad (FVT, JRL); [UF3453] 11/10/11: 20Ad (JMMB); [UF3953] 27/7/12: 1Ad (JMMB, JRR, OG); [UF4664] 03/10/12: 1♂ (FSG, JMMB, JRR); [UF2543] 14/11/12: 1♂ (FSG, JMMB). Cuadrículas 10x10: 13 cuadrículas (11 nuevas).

**Bibliografía:** CONESA-GARCÍA 1983; CANO-VILLEGAS & CONESA-GARCÍA 2009a; ROLA 2013. Cuadrículas 10x10: 5.

***Lestes barbarus* (Fabricius, 1798)**

**Citas:** [UF3898] 19/8/10: 1♀ (JMMB, JRR); [UG8407] 05/10/11: 1Ad (FVT, JMMB). Cuadrículas 10x10: 2 cuadrículas (1 nuevas).

**Bibliografía:** PICTET 1865; AGUESSE 1962; CONESA-GARCÍA 1983; CONESA-GARCÍA 1985c; CONESA-GARCÍA 1986; CANO-VILLEGAS & CONESA-GARCÍA 2009a; ROLA 2013. Cuadrículas 10x10: 7.

***Lestes macrostigma* (Eversmann, 1836)**

Especie no avistada. **Bibliografía:** AGUESSE 1962; CONESA-GARCÍA 1983; CONESA-GARCÍA 1985c; JÖDICKE 1996; CANO-VILLEGAS & CONESA-GARCÍA 2009a. Cuadrículas 10x10: 3.

***Lestes virens virens* (Charpentier, 1825)**

**Citas:** [UF2365] 02/7/11: Ad (JARB, JMMB); [UF2443] 03/8/11: 1Ad (FVT); [UG8307] 05/10/11: 6Ad (FVT, JMMB); [TF8651] 25/9/12: 2♂ (FSG, JMMB). Cuadrículas 10x10: 4 cuadrículas (4 nuevas).

**Bibliografía:** CANO-VILLEGAS & CONESA-GARCÍA 2009a. Cuadrículas 10x10: 1.

***Sympecma fusca* (Vander Linden, 1820)**

**Citas:** [UF3271] 03/7/10: Ad (JMMB); [UF1662] 17/7/10: 1Ad (JMMB, JRR); [UF3271] 18/6/11: Ad (JARB, JMMB); [UF5454] 08/9/11: Ad (JMMB); [UF0734] 26/2/12: 1Ad (JMMB). Cuadrículas 10x10: 4 cuadrículas (4 nuevas).

**Bibliografía:** PICTET 1865; CONESA-GARCÍA 1983; JÖDICKE 1996; CANO-VILLEGAS & CONESA-GARCÍA 2009a; ROLA 2013. Cuadrículas 10x10: 8.

***Platycnemis acutipennis* Selys, 1841**

**Citas:** [UF1040] 10/4/10: Ad (JAMB, JMMB, UBY); [TF7443] 04/6/11: Ad (JARB, JMMB);

[UF3483] 16/6/11: 1♂ (PW); [UF4549] 26/5/12: 1♂ (JMJB); [UF4551] 09/6/12: 1♂ (JRR). Cuadrículas 10x10: 5 cuadrículas (3 nuevas).

**Bibliografía:** ROSENHAUER 1856; PICTET 1865; CONESA-GARCÍA 1983; JÖDICKE 1996; CHELMICK & PICKESS 2008; ROLA 2013. Cuadrículas 10x10: 9.

### ***Platycnemis latipes* Rambur, 1842**

**Citas:** [UF4551] 31/7/05: Ad (JMJB); [UF4345] 12/6/06: Ad (JMJB); [UF4551] 15/7/06: Ad (JMJB); [UF4551] 27/8/06: 1♂1♀ (JMJB); [UF3483] 24/6/09: 20Ad (PW); [UF3483] 17/6/10: 2Ad (PW); [UF4874] 26/6/10: 1Ad (PW); [UF4965] 14/7/10: Ad (JRR); [UF4551] 15/7/10: Ad (JRR); [UF4245] 20/7/10: Ad ♂presencia ♀10Ad (JMJB); [UF4551] 22/7/10: Ad (JMJB, UBY); [UF4551] 10/8/10: Ad (JMJB); [UF3263] 12/8/10: Ad (JMJB, JRR, UBY); [UF4945] 14/8/10: Ad (JMJB); [UF2654] 15/8/10: Ad (JARB, JMJB); [UF4745] 16/8/10: Ad (JARB, JMJB); [UF1040] 21/8/10: Ad (JMJB, JRR); [UF3076] 24/8/10: Ad (JMJB, JRR); [UF3077] 24/8/10: Ad (JMJB, JRR); [UF4841] 26/8/10: Ad (JMJB); [UF0738] 28/8/10: 1♂1♀Ad (JMJB, JRR); [TF9442] 30/8/10: Ad (JMJB, JRR); [TF9341] 30/8/10: Ad (JMJB, JRR); [UF3382] 02/9/10: Ad (JMJB, JRR); [UF3192] 02/9/10: Ad (JMJB, JRR); [UF2654] 05/9/10: Ad (JJO, JMJB, JRR); [TF9730] 02/10/10: Ad (JAMB, JMJB, JRR); [TF9730] 14/5/11: Ad (JARB, JMJB); [UF4874] 10/6/11: 1♂1Ad (PW); [UF4874] 15/6/11: 1Ad (PW); [UF3483] 16/6/11: 10Ad (PW); [UF4768] 18/6/11: 1♂ (PW); [UF4874] 18/6/11: 1♀ (PW); [UF4874] 19/6/11: 1♀ (PW); [UF6959] 21/6/11: 1♂ (PW); [UF4874] 23/6/11: 2♂ (PW); [UF4874] 25/6/11: 1Ad (PW); [UF4551] 20/7/11: 1♂ (JRR, JS); [UF1645] 26/7/11: 20Ad (FVT, JRR); [UF1645] 26/7/11: ♂♀ (FVT, JRR); [UF4665] 27/7/11: Ad (JMJB); [UF2343] 03/8/11: 1Ad (FVT); [UF4551] 10/8/11: ♂♀ (FSG, JRR, JS); [UF2654] 29/9/11: 3Ad (FVT, JRL); [UF4665] 03/5/12: 2♂2Ten. (JRR); [UF4551] 09/6/12: 1♂1♀ (JRR); [UF4665] 21/6/12: 4♂2♀ (JRR); [UF4860] 21/6/12: 2♂ (JRR); [UF4965] 21/6/12: 1♂ (JRR); [UF3263] 17/7/12: Ad (JRR, MdH); [UF4665] 31/7/12: 4♂ (JRR); [UF4551] 08/8/12: 3♂ (FVT, JRR); [UF4363] 18/8/12: 1♂2♀ (JRR, OG); [UF4063] 18/8/12: Ad (JRR, OG). Cuadrículas 10x10: 15 cuadrículas (5 nuevas).

**Bibliografía:** PICTET 1865; CONESA-GARCÍA 1983; JÖDICKE 1996; CANO-VILLEGAS 2003; CHELMICK & PICKESS 2008; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 29.

### ***Ceriagrion tenellum* (Villiers, 1789)**

Especie no avistada. **Bibliografía:** ROSENHAUER 1856; PICTET 1865; JÖDICKE 1996. Cuadrículas 10x10: 3.

### ***Coenagrion caerulescens* (Fonscolombe, 1838)**

Especie no avistada. **Bibliografía:** CONESA-GARCÍA 1983; JÖDICKE 1996. Cuadrículas 10x10: 3.

### ***Coenagrion mercuriale* (Charpentier, 1840)**

Especie no avistada. **Bibliografía:** PICTET 1865. Cuadrículas 10x10: 1.

### ***Coenagrion scitulum* (Rambur, 1842)**

Especie no avistada. **Bibliografía:** CONESA-GARCÍA 1983; JÖDICKE 1996. Cuadrículas 10x10: 3.

***Enallagma cyathigerum* (Charpentier, 1840)**

**Citas:** [UF3798] 18/6/09: Ad (PW); [UF3483] 24/6/09: 2Ad (PW); [UF6959] 24/6/10: 1♀ (PW); [UF5553] 25/7/10: Ad (JMMB, UBY); [UG3600] 19/8/10: Ad (JMMB, JRR); [UF3798] 19/8/10: Ad (JMMB, JRR); [UF3798] 19/10/10: Ad (JMMB, JRR); [UG3600] 19/10/10: Ad (JMMB, JRR); [UG3900] 30/3/11: Ad (JMMB); [UF3699] 08/4/11: 5Ad (PW); [UG4918] 09/4/11: Ad (JAMB, JMMB, JRR, UBY); [UF5553] 11/6/11: Ad (JAMB, JMMB); [UG2506] 12/6/11: Ad (JARB, JMMB); [UF3699] 19/6/11: 1♂ (PW); [UF6166] 30/6/11: Ad (FJCV, JRR); [UF3798] 19/9/11: 1♂ (PW); [UG8407] 05/10/11: 3Ad (FVT, JMMB); [UG4919] 09/10/11: 20Ad (JAMB, JMMB); [UG3601] 13/10/11: 20Ad (FVT, JRL). Cuadrículas 10x10: 8 cuadrículas (5 nuevas).

**Bibliografía:** PICTET 1865; CONESA-GARCÍA 1983; CONESA-GARCÍA 1985c; CONESA-GARCÍA 1986; RHÖN 1996; CANO-VILLEGAS & CONESA-GARCÍA 2009a; ROLA 2013. Cuadrículas 10x10: 5.

***Erythromma lindenii* (Selys, 1840)**

**Citas:** [UF3483] 26/9/07: 2Ad (PW); [UF1645] 03/4/10: Ad (JARB, JMMB, JRR); [UF3483] 17/6/10: 1Ad (PW); [UF4965] 07/8/10: Ad (JRR); [UF4665] 10/8/10: Ad (JRR); [UF4745] 16/8/10: Ad (JARB, JMMB); [UF5648] 20/8/10: Ad (JMMB); [UF1645] 21/8/10: Ad (JMMB, JRR); [UF4443] 26/8/10: 3♂3♀10Ad (JMMB); [UF2040] 28/8/10: Ad (JMMB, JRR); [TF9442] 30/8/10: Ad (JMMB, JRR); [UF3382] 02/9/10: Ad (JMMB, JRR); [UF4874] 19/9/10: 1Ad (PW); [UF4874] 21/9/10: 1Ad (PW); [UF3483] 25/9/10: 5Ad (PW); [UF4443] 28/9/10: Ad (JMMB, JRR, UBY); [UF5443] 28/9/10: Ad (JMMB, JRR, UBY); [UF5146] 03/10/10: Ad (JAMB, JMMB); [UF6167] 05/10/10: Ad (JMMB, JRR); [UF5457] 10/10/10: Ad (JMMB); [UF5146] 20/10/10: 10Ad (JMMB); [UF3483] 16/6/11: 3♂1♀ (PW); [UF5457] 27/6/11: Ad (JRR, PC); [UF5456] 27/6/11: 3Ad (JRR, PC); [UF1645] 26/7/11: 3Ad (FVT, JRR); [UF1645] 26/7/11: 5♂ (FVT, JRR); [UF2343] 03/8/11: 3Ad (FVT); [UG8407] 05/10/11: 6Ad (FVT, JMMB); [UF4665] 03/5/12: 6♂2♀ (JRR); [UF4549] 26/5/12: Ad ♂ (JMMB); [UF4548] 30/6/12: Ad ♂ (JMMB); [UF4361] 31/7/12: 5♂ (JRR); [UF4665] 31/7/12: 2♂ (JRR); [UF4063] 18/8/12: Ad (JRR, OG); [UF4363] 18/8/12: Ad (JRR, OG); [UF4664] 03/10/12: 1♂ (FSG, JMMB, JRR). Cuadrículas 10x10: 11 cuadrículas (5 nuevas).

**Bibliografía:** CONESA-GARCÍA 1983; CONESA-GARCÍA 1985c; JÖDICKE 1996; CANO-VILLEGAS 2003; CHELMICK 2006; CHELMICK & PICKESS 2008; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 13.

***Erythromma viridulum* (Charpentier, 1840)**

**Citas:** [UF6959] 28/6/07: 1Ad (PW); [UF6167] 28/6/11: 6Ad (JRR, PC); [UG8407] 05/10/11: 6Ad (FVT, JMMB). Cuadrículas 10x10: 3 cuadrículas (1 nueva).

**Bibliografía:** CONESA-GARCÍA 1983; CONESA-GARCÍA 1986; JÖDICKE 1996; ROLA 2013. Cuadrículas 10x10: 7.

***Ischnura elegans* (Vander Linden, 1820)**

Especie no avistada. **Bibliografía:** CANO-VILLEGAS 2003. Cuadrículas 10x10: 1.

***Ischnura graellsii* (Rambur, 1842)**

**Citas:** [UF4874] 24/3/06: 1Ad (PW); [UF4874] 29/3/06: 1♂ (PW); [UF6959] 09/6/06: 1Ad (PW); [UF5656] 07/10/06: Ad (JMMB); [UF6959] 27/6/07: 2Ad (PW); [UF4874] 28/6/07:



40Ad (PW); [UF6959] 29/6/07: 3Ad (PW); [UF3798] 18/6/09: 1Ad (PW); [UF4965] 14/6/10: Ad (JRR); [UF6959] 16/6/10: 3Ad (PW); [UF3483] 17/6/10: 2Ad (PW); [UF6959] 18/6/10: 4Ad (PW); [UF6959] 21/6/10: 1Ad (PW); [UF4874] 26/6/10: 1Ad (PW); [UF4965] 14/7/10: Ad (JRR); [UF4965] 06/8/10: Ad (JRR); [UF4965] 07/8/10: Ad (JRR); [UF4965] 10/8/10: Ad (JRR); [UF4665] 10/8/10: Ad (JRR); [UF5341] 13/8/10: Ad (JMMB); [UF6554] 14/8/10: Ad (JMMB); [UF4745] 16/8/10: Ad (JARB, JMMB); [UF4965] 17/8/10: Ad (JMMB, JRR); [UF4860] 17/8/10: Ad (JMMB, JRR); [UG3600] 19/8/10: Ad (JMMB, JRR); [UF3898] 19/8/10: 10Ad (JMMB, JRR); [UF3798] 19/8/10: Ad (JMMB, JRR); [UF1645] 21/8/10: Ad (JMMB, JRR); [UF5245] 23/8/10: Ad (JMMB); [UF4841] 26/8/10: Ad (JMMB); [UF4443] 26/8/10: Ad (JMMB); [UF2040] 28/8/10: Ad (JMMB, JRR); [UF1134] 28/8/10: Ad (JMMB, JRR); [UF0738] 28/8/10: Ad (JMMB, JRR); [TF9442] 30/8/10: Ad (JMMB, JRR); [UF3192] 02/9/10: Ad (JMMB, JRR); [UF3382] 02/9/10: Ad (JMMB, JRR); [UF4665] 09/9/10: Ad (JRR); [UF7685] 14/9/10: Ad (JMMB, JRR); [UF4665] 16/9/10: Ad (JRR); [UF4874] 19/9/10: 3♀11Ad (PW); [UF4874] 21/9/10: 45Ad (PW); [UF4874] 24/9/10: 100Ad (PW); [UF5443] 28/9/10: 20Ad (JMMB, JRR, UBY); [UF4443] 28/9/10: Ad (JMMB, JRR, UBY); [UF4356] 30/9/10: Ad (JMMB, MLC); [TF9729] 02/10/10: Ad (JAMB, JMMB, JRR); [UF5146] 03/10/10: Ad (JAMB, JMMB); [UF6167] 05/10/10: Ad (JMMB, JRR); [UF6052] 06/10/10: Ad (JMMB); [UF6150] 06/10/10: Ad (JMMB); [UF2040] 07/10/10: Ad (JAMB, JMMB, JRR); [UF5457] 10/10/10: Ad (JMMB); [UF4356] 10/10/10: Ad (JRR); [UF4356] 10/10/10: Ad (JRR); [UF4741] 14/10/10: Ad (JMMB); [UG3600] 19/10/10: Ad (JMMB, JRR); [UF3798] 19/10/10: Ad (JMMB, JRR); [UF5146] 20/10/10: 20Ad (JMMB); [UF3741] 23/10/10: Ad (JMMB); [UF4665] 03/11/10: Ad (JRR); [UF4443] 04/11/10: Ad (JMMB); [UF1645] 06/11/10: Ad (JAMB, JMMB, JRR); [UF2543] 13/11/10: Ad (JMMB); [UF4665] 02/4/11: Ad (JRR); [UF4965] 05/4/11: Ad (JRR); [UF4665] 05/4/11: Ad (JRR); [UF4860] 05/4/11: Ad (JRR); [UF4361] 05/4/11: Ad (JRR); [UF6959] 07/4/11: 1Ad (PW); [UF6959] 11/6/11: 1♀ (PW); [UF6959] 14/6/11: 7♂ (PW); [UF4874] 15/6/11: 30Ad (PW); [UF6959] 15/6/11: 5Ad (PW); [UF3483] 16/6/11: Ad (PW); [UF4874] 17/6/11: 5Ad (PW); [UF6959] 17/6/11: 2♂ (PW); [UF4874] 18/6/11: 10Ad (PW); [UF4874] 19/6/11: 1♂1♀ (PW); [UF6959] 21/6/11: 17Ad (PW); [UF4874] 23/6/11: 13Ad (PW); [UF6857] 25/6/11: 1Ad (PW); [UF4874] 25/6/11: 15Ad (PW); [UF5457] 27/6/11: 3Ad (JRR, PC); [UF6167] 28/6/11: Ad (JRR, PC); [UF6166] 30/6/11: Ad (FJCV, JRR); [UF4356] 20/7/11: 6Ad (JRR, JS); [UF4356] 20/7/11: Ad (JRR, JS); [UF1645] 26/7/11: ♂♀ (FVT, JRR); [UF1645] 26/7/11: 10Ad (FVT, JRR); [UF4374] 27/7/11: Ad (JMMB); [UF2443] 03/8/11: 3Ad (FVT); [UF2343] 03/8/11: 20Ad (FVT); [UF2540] 03/8/11: 3Ad (FVT); [UF5546] 13/9/11: 10Ad (FVT); [UF2942] 15/9/11: 10Ad (FVT); [UF4356] 17/9/11: Ad (JMMB); [UF4471] 18/9/11: 1♀ (PW); [UF6959] 20/9/11: 1♀9Ad (PW); [UF4874] 20/9/11: 70Ad (PW); [UF3741] 21/9/11: Ad (JARB, JMMB); [UF6857] 22/9/11: 4Ad (PW); [UF4471] 22/9/11: 1Ad (PW); [UF4874] 24/9/11: 1♂ (PW); [UF6857] 24/9/11: 3Ad (PW); [UF3741] 26/9/11: 6Ad (FVT); [UG8307] 05/10/11: 3Ad (FVT, JMMB); [UG8407] 05/10/11: 10Ad (FVT, JMMB); [UG4919] 09/10/11: 6Ad (JAMB, JMMB); [UG4511] 09/10/11: 20Ad (JAMB, JMMB); [UG3601] 13/10/11: 6Ad (FVT, JRL); [UF6959] 15/10/11: 3Ad (JMMB); [UF4361] 21/6/12: 1♂4♀ (JRR); [UF4665] 21/6/12: 6♂3♀1Ten. (JRR); [UF4965] 21/6/12: 2♂1♀ (JRR); [UF4665] 31/7/12: 9♂3♀ (JRR); [UF4361] 31/7/12: 7♂2♀ (JRR); [UF4965] 31/7/12: 10♂4♀ (JRR); [UF3962] 08/8/12: 1♂ (FVT, JRR); [UF4063] 18/8/12: Ad (JRR, OG); [UF4363] 18/8/12: Ad (JRR, OG); [UF4548] 30/9/12: 1♂ (JMMB); [UF4664] 03/10/12: ♂♀ (FSG, JMMB, JRR). Cuadrículas 10x10: 22 cuadrículas (6 nuevas).

**Bibliografía:** PICTET 1865; NAVAS 1924a; BENITEZ MORERA 1950; SCHMIDT 1967; BELLE 1979a; CONESA-GARCÍA 1983; CONESA-GARCÍA 1985c; CONESA-GARCÍA 1986; COMPTE-SART 1988; MARTENS *et al.* 1996; RHÖN 1996; JÖDICKE 1996; CANO-VILLEGAS 2003; CHELMICK & PICKESS 2008; CANO-VILLEGAS & CONESA-GARCÍA 2009a; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 31.

***Ischnura pumilio* (Charpentier, 1825)**

**Citas:** [UF3483] 26/9/07: 2♀ (PW). Cuadrículas 10x10: 1 cuadrículas (1 nueva).

**Bibliografía:** CONESA-GARCÍA 1983; CONESA-GARCÍA 1985c; CONESA-GARCÍA 1986; CANO-VILLEGAS & CONESA-GARCÍA 2009a; ROLA 2013. Cuadrículas 10x10: 8.

***Pyrrhosoma nymphula* (Sulzer, 1776)**

**Citas:** [UF4279] 21/6/07: 2Ad (PW); [UF4279] 19/6/09: 10Ad (PW); [UF4279] 15/6/10: 6Ad (PW); [UF4279] 19/6/10: 20Ad (PW); [UF4279] 26/6/10: 3Ad (PW); [UF2584] 28/5/11: Ad (JAMB, JMMB); [UF4279] 13/6/11: 2♂1♀ (PW); [UF4279] 22/6/11: 3♂ (PW). Cuadrículas 10x10: 2 cuadrículas (1 nueva).

**Bibliografía:** CONESA-GARCÍA 1983; JÖDICKE 1996; ROLA 2013. Cuadrículas 10x10: 7.

***Aeshna cyanea* (Müller, 1764)**

**Citas:** [UF4053] 07/12/06: 1Ad (JMMB, -UBY); [UF2654] 14/11/09: Ad (JMMB, JRR); [UF7677] 25/9/10: Ad (JMMB, JRR); [TF9730] 02/10/10: Ad (JAMB, JMMB, JRR); [VF2168] 03/10/10: 3♂ (FP); [UF4245] 26/10/10: Ad (JMMB, JRR); [UF0159] 30/10/11: 3Ad (JAMB, JARB, JMMB); [UF4054] 23/7/12: 1Ex (JMMB, JRR, OG); [UF4448] 30/9/12: 1Ad (JMMB); [UF4447] 21/10/12: 1Ad (JMMB); [UF2650] 14/11/12: 1Ad (FSG, JMMB). Cuadrículas 10x10: 7 cuadrículas (7 nuevas).

**Bibliografía:** CONESA-GARCÍA 1983; CONESA-GARCÍA 1986. Cuadrículas 10x10: 1.

***Aeshna mixta* Latreille, 1805**

**Citas:** [UF4279] 21/6/07: 1♂1♀ (PW); [UF4190] 25/9/07: 3Ad (PW); [UF4088] 25/9/07: 6Ad (PW); [UF4279] 15/6/10: 1Ad (PW); [UF2465] 24/7/10: Ad (JMMB); [UF2654] 15/8/10: Ad (JARB, JMMB); [UF2654] 05/9/10: Ad (JJO, JMMB, JRR); [UF7677] 25/9/10: Ad (JMMB, JRR); [UF5146] 20/10/10: Ad (JMMB); [UF3741] 23/10/10: 1♀ (JMMB); [UF6479] 01/11/10: Ad (JMMB, JRR); [UF5244] 03/11/10: Ad (JMMB); [UF1645] 06/11/10: Ad (JAMB, JMMB, JRR); [UF4356] 10/11/10: Ad (JMMB); [UF2543] 13/11/10: Ad (JMMB); [UF4548] 20/11/10: Ad (JMMB); [VF2368] 21/11/10: Ad (JMMB, JRR); [UF6959] 22/11/10: Ad (JMMB); [UF2543] 15/12/10: Ad (JMMB); [UF4869] 08/1/11: (JAMB, JMMB, JRR); [UF4470] 08/1/11: (JMMB, JRR); [UF2654] 16/1/11: Ad (JMMB); [UF4240] 05/2/11: Ad (JMMB); [UF5355] 10/6/11: Ad (JMMB); [UF4955] 10/6/11: Ad (JMMB); [UF4279] 13/6/11: 1♀ (PW); [UF3271] 18/6/11: Ad (JARB, JMMB); [UF3372] 18/6/11: Ad (JARB, JMMB); [UF5555] 28/6/11: Ad (JMMB); [UF2465] 02/7/11: Ad (JARB, JMMB); [UF0240] 13/7/11: Ad (JMMB); [UF5454] 08/9/11: Ad (JMMB); [UF2653] 29/9/11: 20Ad (FVT, JRL); [ ] 29/9/11: 20Ad (FVT, JRL); [UG8307] 05/10/11: 20Ad (FVT, JMMB); [UG8407] 05/10/11: 1Ad (FVT, JMMB); [UG4919] 09/10/11: 6Ad (JAMB, JMMB); [UG4511] 09/10/11: 3Ad (JAMB, JMMB); [UF3453] 11/10/11: 1Ad (JMMB); [UF3453] 11/10/11: 1Ad (JMMB); [UG3601] 13/10/11: 3Ad (FVT, JRL); [UG4006] 13/10/11: 3Ad (FVT, JRL); [UF6959] 15/10/11: 3Ad (JMMB); [UF3053] 16/10/11: Ad (JAMB, JMMB); [UF5652] 06/11/11: Ad (JMMB); [UF3454] 12/11/11: Ad (JMMB); [UF4855] 13/11/11:

Ad (JMMB); [UF5647] 23/11/11: Ad (JMMB); [UF5647] 06/12/11: Ad (JMMB); [UF3847] 18/12/11: Ad (JMMB); [UF4664] 03/10/12: 1Ad (FSG, JMMB, JRR); [UF4447] 21/10/12: 1Ad (JMMB); [UF2543] 14/11/12: 1Ad (FSG, JMMB). Cuadrículas 10x10: 24 cuadrículas (22 nuevas).

**Bibliografía:** CONESA-GARCÍA 1983; CONESA-GARCÍA 1986; MARTENS *et al.* 1996; CHELMICK & PICKESS 2008; CANO-VILLEGAS & CONESA-GARCÍA 2009a; ROLA 2013. Cuadrículas 10x10: 6.

### ***Anax ephippiger* (Burmeister, 1839)**

**Citas:** [UF6959] 30/12/05: 1Ad (PW); [UF6959] 28/3/06: 1Ad (PW); [UF2654] 05/9/10: Ad (JJO, JMMB, JRR); [UF5452] 08/9/10: Ad (JMMB); [UF7676] 25/9/10: Ad (JMMB, JRR); [TF9730] 02/10/10: Ad (JAMB, JMMB, JRR); [UG3600] 19/10/10: Ad (JMMB, JRR); [UF6050] 27/2/11: (JRR); [UF6959] 27/2/11: Ad (BM, JRR); [UF5350] 12/3/11: Ad (JMMB); [UF6959] 16/3/11: Ad (JMMB); [UF1439] 19/3/11: Ad (JMMB); [UF5283] 20/3/11: Ad (JMMB); [UF2339] 24/3/11: Ad (JMMB); [UG3900] 30/3/11: Ad (JMMB); [UG4918] 09/4/11: Ad (JAMB, JMMB, JRR, UBY); [UF6154] 14/4/11: Ad (JMMB); [UF2365] 02/7/11: Ad (JARB, JMMB); [UF7991] 09/7/11: Ad (JMMB); [UF0240] 13/7/11: Ad (JMMB); [UF7691] 20/7/11: Ad (JMMB); [UF5049] 16/9/11: Ad (JMMB); [UF5350] 18/9/11: 1Ad (JMMB); [UF4348] 18/9/11: Ad (JMMB); [UG4511] 09/10/11: 1Ad (JAMB, JMMB); [UF5651] 15/8/12: Ad (JMMB); [UF5351] 29/8/12: 1♂ (FSG, JMMB). Cuadrículas 10x10: 15 cuadrículas (12 nuevas).

**Bibliografía:** CONESA-GARCÍA 1983; CONESA-GARCÍA 1986; CANO-VILLEGAS & CONESA-GARCÍA 2009a; ROLA 2013. Cuadrículas 10x10: 6.

### ***Anax imperator* Leach, 1815**

**Citas:** [UF3953] 09/6/07: 1♀ (JJO, JMMB, JRR); [UF6959] 23/9/07: 6Ad (PW); [UF6959] 24/9/07: 2Ad (PW); [UF4874] 24/9/07: 2Ad (PW); [UF3898] 25/9/07: 1Ad (PW); [UF3483] 26/9/07: 1Ad (PW); [UF3599] 04/10/07: 1Ad (PW); [UF6959] 05/10/07: 1Ad (PW); [UG4511] 25/9/08: 1Ad (PW); [UF3798] 18/6/09: 1Ad (PW); [UF6959] 19/9/09: 1Ad (PW); [UG4511] 22/9/09: 4Ad (PW); [UF6959] 23/9/09: 1♂ (PW); [UF4356] 07/4/10: Ad (JMMB); [UF1546] 10/4/10: Ad (JAMB, JMMB, UBY); [UF2058] 29/5/10: Ad (JMMB); [UF4053] 03/6/10: Ad (JMMB, JRR); [VF1676] 12/6/10: Ad (JMMB, JRR); [VF0386] 19/6/10: Ad (JAMB, JARB, JMMB, JRR); [UF5353] 27/6/10: Ad (JMMB); [UF4551] 15/7/10: Ad (JRR); [UF6255] 25/7/10: Ad (JMMB); [UF5553] 25/7/10: Ad (JMMB, UBY); [UF4965] 07/8/10: Ad (JRR); [UF4551] 10/8/10: Ad (JMMB); [UF4356] 10/8/10: Ad (JMMB); [UF4945] 14/8/10: Ad (JMMB); [UF2654] 15/8/10: Ad (JARB, JMMB); [UF5648] 20/8/10: 1Ad (JMMB); [UF1546] 21/8/10: Ad (JMMB, JRR); [UF5351] 22/8/10: Ad (JMMB); [UF5245] 23/8/10: 1♀ Ad (JMMB); [UF3076] 24/8/10: Ad (JMMB, JRR); [UF3077] 24/8/10: Ad (JMMB, JRR); [UF4841] 26/8/10: Ad (JMMB); [UF5553] 27/8/10: Ad (JMMB); [UF0738] 28/8/10: Ad (JMMB, JRR); [UF2040] 28/8/10: Ad (JMMB, JRR); [TF9442] 30/8/10: Ad (JMMB, JRR); [UF2654] 05/9/10: Ad (JJO, JMMB, JRR); [UF5552] 12/9/10: Ad (JMMB); [UF7685] 14/9/10: Ad (JMMB, JRR); [UF6959] 18/9/10: 2Ad (PW); [UF4874] 19/9/10: 1Ad (PW); [UF3294] 21/9/10: 1Ad (PW); [UF4874] 21/9/10: 2Ad (PW); [UF6959] 22/9/10: 2Ad (PW); [UF4874] 24/9/10: 1Ad (PW); [UF3483] 25/9/10: 2Ad (PW); [UF7167] 25/9/10: Ad (JRL); [UF4155] 30/9/10: Ad (JMMB, MLC); [TF9730] 02/10/10: Ad (JAMB, JMMB, JRR); [UF2543] 02/10/10: Ad (JAMB, JMMB, JRR); [UF5146] 03/10/10: Ad (JAMB, JMMB); [UF6167] 05/10/10: Ad (JMMB, JRR); [UF6052] 06/10/10: Ad (JMMB);

[UF2040] 07/10/10: Ad (JAMB, JMMB, JRR); [UF4356] 10/10/10: Ad (JRR); [UF4356] 10/10/10: Ad (JRR); [UF5656] 10/10/10: Ad (JMMB); [UF2467] 12/10/10: Ad 100Ex (JAMB, JMMB); [UF4741] 14/10/10: Ad (JMMB); [UF5146] 20/10/10: Ad (JMMB); [UF4041] 23/10/10: Ad (JMMB); [UF1645] 06/11/10: Ad (JAMB, JMMB, JRR); [UF9470] 18/2/11: Ad (JMMB); [UF2339] 24/3/11: Ad (JMMB); [UF5251] 07/4/11: Ad (JMMB); [UF6052] 14/4/11: Ad (JMMB); [UF5251] 28/4/11: Ad (JMMB); [UF5251] 04/5/11: Ad (JMMB); [UF5448] 05/5/11: Ad (JMMB); [UF4965] 05/5/11: Ad (JRR); [UF0129] 14/5/11: Ad (JARB, JMMB); [UF5251] 17/5/11: Ad (JMMB); [UF5352] 24/5/11: Ad (JMMB); [UF5553] 31/5/11: Ad (JMMB); [UF5351] 04/6/11: 1Ad (JMMB); [TF7443] 04/6/11: Ad (JARB, JMMB); [UF6959] 11/6/11: 1♂ (PW); [UF5753] 11/6/11: Ad (JAMB, JMMB); [UF5553] 11/6/11: Ad (JAMB, JMMB); [UF6959] 14/6/11: 1♂ (PW); [UF4874] 15/6/11: 1Ad (PW); [UF6959] 15/6/11: 1♂ (PW); [UF5457] 27/6/11: Ad (JRR, PC); [UF5456] 27/6/11: Ad (JRR, PC); [UF2465] 02/7/11: Ad (JARB, JMMB); [UF0340] 11/7/11: presencia L (FVT, JRL); [UF7691] 20/7/11: Ad (JMMB); [UF4551] 20/7/11: 1♂ (JRR, JS); [UF1645] 26/7/11: 1Ad (FVT, JRR); [UF1645] 26/7/11: 1♂ (FVT, JRR); [UF5370] 27/7/11: Ad (JMMB); [UF2443] 03/8/11: 1Ad (FVT); [UF4551] 10/8/11: 1♂ (FSG, JRR, JS); [UF5546] 13/9/11: 3Ad (FVT); [UG4511] 16/9/11: 6Ad (FVT); [UF4356] 17/9/11: Ad (JMMB); [UF4471] 18/9/11: 1♂ (PW); [UF3798] 19/9/11: 1Ad (PW); [UF6857] 20/9/11: 1♂ (PW); [UF3741] 21/9/11: Ad (JARB, JMMB); [UG4511] 21/9/11: Ad (PW); [UF4471] 22/9/11: 1♂ (PW); [UF6857] 22/9/11: 1♂ (PW); [UF6857] 24/9/11: 2♂1♀ (PW); [UF3741] 26/9/11: 3Ad (FVT); [UF4339] 28/9/11: Ad (JMMB); [UG8307] 05/10/11: 1Ad (FVT, JMMB); [UG8407] 05/10/11: 6Ad (FVT, JMMB); [UG3601] 13/10/11: 3Ad (FVT, JRL); [UF6959] 15/10/11: 12Ad (JMMB); [UF4860] 24/4/12: 1♂ (JRR); [UF5651] 24/4/12: 1Ad (JMMB); [UF4054] 09/5/12: 1♂ (JRR, OG); [UF5652] 23/5/12: 1Ad (JMMB); [UF4549] 26/5/12: Ad ♂ (JMMB); [UF7889] 05/6/12: 1♂ (JMMB); [UF4551] 09/6/12: 1♂ (JRR); [UF5152] 09/6/12: 1Ad (JMMB); [UF8494] 20/6/12: 1Ad (JMMB); [VF0487] 08/7/12: Ad (JMMB); [UF3263] 17/7/12: 2Ad (JRR, MdH); [UF4054] 23/7/12: 1♂2Ex (JMMB, JRR, OG); [UF4853] 09/8/12: 1♂ (JMMB); [VF2267] 11/8/12: 1Ad (JMMB); [UF4363] 18/8/12: 1♀ (JRR, OG); [UF4063] 18/8/12: 1♀ (JRR, OG); [UF4348] 09/9/12: 1♂ (JMMB); [UF4245] 14/9/12: ♂♀ (JMMB); [UF4551] 25/9/12: 1♂ (JRR); [UF6959] 07/10/12: 1♂ (FSG, JMMB). Cuadrículas 10x10: 38 cuadrículas (16 nuevas).

**Bibliografía:** PICTET 1865; CONESA-GARCÍA 1983; CONESA-GARCÍA 1985c; CONESA-GARCÍA 1986; RHÖN 1996; MARTENS *et al.* 1996; JÖDICKE 1996; CANO-VILLEGAS 2003; CHELMICK & PICKESS 2008; CANO-VILLEGAS & CONESA-GARCÍA 2009a; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 34.

### **Anax parthenope (Selys, 1839)**

**Citas:** [UF6959] 10/9/05: 1Ad (PW); [UF6959] 18/9/05: 1Ad (PW); [UF6959] 23/9/07: 6♂1♀ (PW); [UF6959] 24/9/07: 2Ad (PW); [UF4874] 24/9/07: 2Ad (PW); [UF4088] 25/9/07: 1Ad (PW); [UF6959] 27/9/07: 1Ad (PW); [UF6959] 05/10/07: 1Ad (PW); [UG4511] 25/9/08: 2Ad (PW); [UF3798] 22/4/09: 2Ad (PW); [UF6959] 19/9/09: 1Ad (PW); [UF6959] 21/9/09: 1Ad (PW); [UG4511] 22/9/09: 2Ad (PW); [UF6959] 25/9/09: 1♂ (PW); [UF3699] 17/6/10: 1Ad (PW); [UF3798] 19/8/10: Ad (JMMB, JRR); [UG3600] 19/8/10: 1♂1♀Ad (JMMB, JRR); [UF1645] 21/8/10: Ad (JMMB, JRR); [UF5245] 23/8/10: 1♀Ad (JMMB); [UF4841] 26/8/10: Ad (JMMB); [UF0738] 28/8/10: Ad (JMMB, JRR); [UF1134] 28/8/10: Ad (JMMB, JRR); [UF2040] 28/8/10: 1♂1♀ (JMMB, JRR); [UF4665] 09/9/10: Ad (JRR); [UF6959] 18/9/10: 9Ad (PW); [UF4874] 19/9/10: 6Ad (PW); [UF4874] 21/9/10: 4Ad (PW); [UF6959] 22/9/10: 3Ad (PW); [UF4874] 24/9/10: 1Ad (PW); [UF4443] 28/9/10: Ad (JMMB, JRR, UBY); [UF5443]

28/9/10: Ad (JMMB, JRR, UBY); [UF6167] 05/10/10: Ad (JMMB, JRR); [UF6150] 06/10/10: Ad (JMMB); [UF6052] 06/10/10: Ad (JMMB); [UF2040] 07/10/10: Ad (JAMB, JMMB, JRR); [UF4741] 14/10/10: Ad (JMMB); [UF4551] 17/10/10: Ad (JJO, JRR); [UF3741] 23/10/10: 1♂ (JMMB); [UF4041] 23/10/10: Ad (JMMB); [UF5444] 04/11/10: Ad (JMMB); [UF6959] 21/1/11: 1Ad (PW); [UF6959] 04/4/11: 1Ad (PW); [UF6959] 06/4/11: 1Ad (PW); [UF3294] 08/4/11: 1Ad (PW); [UF3699] 08/4/11: 3Ad (PW); [UG4511] 09/4/11: Ad (PW); [UG4511] 09/4/11: Ad (JAMB, JMMB, UBY); [UF5553] 07/5/11: Ad (JMMB); [UF6959] 11/6/11: 2♂ (PW); [UF6959] 14/6/11: 2♂ (PW); [UF3699] 19/6/11: 1♂ (PW); [UF6857] 25/6/11: 1♂ (PW); [UF6060] 28/6/11: Ad (JRR, PC); [UF6167] 28/6/11: 1Ad (JRR, PC); [UF2540] 03/8/11: 1Ad (FVT); [UF6167] 23/8/11: 6Ad (FVT, JRL); [UF5546] 13/9/11: 3Ad (FVT); [UG4511] 16/9/11: 10Ad (FVT); [UF6857] 20/9/11: 2Ad (PW); [UF6959] 20/9/11: 1♂ (PW); [UF3741] 21/9/11: Ad (JARB, JMMB); [UF3741] 21/9/11: Ad (JARB, JMMB); [UG4511] 21/9/11: Ad (PW); [UF4471] 22/9/11: 2♂ (PW); [UF6857] 22/9/11: 2Ad (PW); [UF6857] 24/9/11: 8♂2♀ (PW); [UF3741] 26/9/11: 6Ad (FVT); [UG8407] 05/10/11: 6Ad (FVT, JMMB); [UG4919] 09/10/11: 6Ad (JAMB, JMMB); [UG4511] 09/10/11: 3Ad (JAMB, JMMB); [UF5344] 12/10/11: Ad (JMMB); [UG3601] 13/10/11: 3Ad (FVT, JRL); [UF6959] 15/10/11: 9Ad (JMMB); [UF4356] 09/6/12: 1♀ (JRR); [UF4548] 23/9/12: ♂♀ (JAMB, JMMB); [UF4548] 30/9/12: 1♂ (JMMB); [UF4448] 30/9/12: 2♂ (JMMB); [UF4664] 03/10/12: 1♂ (FSG, JMMB, JRR). Cuadrículas 10x10: 18 cuadrículas (9 nuevas).

**Bibliografía:** CONESA-GARCÍA 1983; CONESA-GARCÍA 1986; RHÖN 1996; MARTENS *et al.* 1996; JÖDICKE 1996; CANO-VILLEGAS 2003; CANO-VILLEGAS & CONESA-GARCÍA 2009a; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 13.

### **Boyeria irene (Fonscolombe, 1838)**

**Citas:** [UF4279] 15/6/10: 2Ad (PW); [UF4279] 19/6/10: 2Ad (PW); [UF4279] 26/6/10: 4Ad1Ten. (PW); [UF4551] 22/7/10: Ad (JMMB, UBY); [UF4551] 22/7/10: Ad (JMMB, UBY); [UF4551] 10/8/10: Ad (JMMB); [UF2654] 15/8/10: Ad (JARB, JMMB); [UF1040] 21/8/10: Ad (JMMB, JRR); [UF3076] 24/8/10: Ad (JMMB, JRR); [UF3077] 24/8/10: Ad (JMMB, JRR); [UF0739] 28/8/10: 10Ad (JMMB, JRR); [TF9341] 30/8/10: Ad (JMMB, JRR); [TF9442] 30/8/10: Ad (JMMB, JRR); [UF2654] 05/9/10: Ad (JJO, JMMB, JRR); [UF4356] 30/9/10: Ad (JMMB, MLC); [TF9730] 02/10/10: Ad (JAMB, JMMB, JRR); [UF4356] 10/10/10: Ad (JRR); [UF4356] 10/10/10: Ad (JRR); [UF4551] 17/10/10: Ad (JJO, JRR); [UF4245] 26/10/10: Ad (JMMB, JRR); [UF1645] 06/11/10: Ad (JAMB, JMMB, JRR); [UF4053] 05/1/11: presencia L (JMMB, JRR); [TF9442] 04/6/11: Ad (JARB, JMMB); [UF4279] 13/6/11: 2Ad (PW); [UF4279] 22/6/11: 2Ad (PW); [UF0538] 13/7/11: Ad (JMMB); [UF4551] 20/7/11: 1♂ (JRR, JS); [UF3044] 25/7/11: 3Ad (FVT); [UF4551] 10/8/11: 1♂ (FSG, JRR, JS); [UF2654] 29/9/11: 3Ad3Ex (FVT, JRL); [UF3453] 11/10/11: 1Ad (JMMB); [UF3453] 11/10/11: 1Ad (JMMB); [UF3953] 04/5/12: 20L (JRR, OG, PC, SS); [UF3953] 07/5/12: presencia L (JRR, OG, PC); [UF2365] 01/7/12: 1Ad (JMMB); [VF1383] 15/7/12: 1Ad (JMMB); [UF3263] 17/7/12: 2Ad, presencia Ex (JRR, MdH); [UF4054] 23/7/12: presencia Ex (JMMB, JRR, OG); [UF3953] 23/7/12: Ad, 42Ex (JMMB, JRR, OG); [UF3953] 27/7/12: 5Ad26Ex (JMMB, JRR, OG); [UF5052] 30/7/12: 1Ad (JMMB); [VF2172] 07/8/12: ♂♀ (JMMB); [UF4551] 08/8/12: 2Adpresencia Ex (FVT, JRR); [UF4245] 14/9/12: Ad (JMMB). Cuadrículas 10x10: 16 cuadrículas (7 nuevas).

**Bibliografía:** CONESA-GARCÍA 1983; JÖDICKE 1996; CANO-VILLEGAS 2003;

CHELMICK 2006; CHELMICK 2007; CHELMICK & PICKESS 2008; ROLA 2013. Cuadrículas 10x10: 23.

### ***Gomphus graslinii* Rambur, 1842**

**Citas:** [UF4348] 06/6/09: Ad (JARB); [UF4245] 20/7/10: Ad (JMMB). Cuadrículas 10x10: 1 cuadrícula.

**Bibliografía:** Chelmick 2006; Chelmick 2007; CAPMA 2013; ROLA 2013. Cuadrículas 10x10: 6.

### ***Gomphus pulchellus* Selys, 1840**

**Citas:** [UF1743] 03/4/10: Ad (JARB, JMMB, JRR); [UF1546] 03/4/10: Ad (JARB, JMMB, JRR); [TF9442] 04/6/11: Ad (JARB, JMMB); [TF7443] 04/6/11: Ad (JARB, JMMB). Cuadrículas 10x10: 3 cuadrículas (1 nueva).

**Bibliografía:** PICTET 1865; CONESA-GARCÍA 1985c; JÖDICKE 1996; CANO-VILLEGAS 2003; CHELMICK 2006; CHELMICK & PICKESS 2008; CAPMA 2013; ROLA 2013. Cuadrículas 10x10: 10.

### ***Gomphus simillimus simillimus* Selys, 1840**

**Citas:** [UF4154] 25/4/12: 2Ad (JMMB). Cuadrículas 10x10: 1 cuadrícula (1 nueva).

**Bibliografía:** CONESA-GARCÍA 1983; KAHLERT 1984; JÖDICKE 1996; CHELMICK 2006; VERDÚ *et al.* 2011; CAPMA 2013; ROLA 2013. Cuadrículas 10x10: 11.

### ***Onychogomphus costae* Selys, 1885**

**Citas:** [UF3294] 18/6/09: 1♂ (PW). Cuadrículas 10x10: 1. Especie nueva para la provincia.

### ***Onychogomphus forcipatus unguiculatus* (Vander Linden, 1823)**

**Citas:** [UF4345] 12/6/06: Ad (JMMB); [UF4551] 15/7/06: Ad (JMMB); [UF4245] 02/8/08: Ad (JMMB, UBY); [UF4245] 10/8/08: Ad (JMMB, UBY); [UF3294] 18/6/09: 1♀ (PW); [UF3483] 17/6/10: 1Ad1Ten. (PW); [UF4551] 15/7/10: Ad (JRR); [UF4245] 20/7/10: 10Ad (JMMB); [UF4945] 14/8/10: Ad (JMMB); [UF2654] 15/8/10: Ad (JARB, JMMB); [UF4551] 15/8/10: Ad (JRR); [UF1546] 21/8/10: Ad (JMMB, JRR); [UF3076] 24/8/10: Ad (JMMB, JRR); [UF3077] 24/8/10: Ad (JMMB, JRR); [TF9341] 30/8/10: Ad (JMMB, JRR); [TF9442] 30/8/10: Ad, 1Ten. (JMMB, JRR); [UF3382] 02/9/10: Ad (JMMB, JRR); [UF2654] 05/9/10: Ad (JJO, JMMB, JRR); [TF9043] 04/6/11: Ad (JARB, JMMB); [TF7443] 04/6/11: Ad (JARB, JMMB); [UF6959] 15/6/11: 1♀ (PW); [UF4551] 20/7/11: Ad (JRR, JS); [UF3044] 25/7/11: 1Ad (FVT); [UF1645] 26/7/11: 3Ad (FVT, JRR); [UF1745] 26/7/11: Ad ♂1♀ (FVT, JRR); [UF3976] 27/7/11: Ad (JMMB); [UF4175] 27/7/11: Ad (JMMB); [UF4551] 10/8/11: 2♂ (FSG, JRR, JS); [UF4549] 26/5/12: Ad (JMMB); [UF4551] 09/6/12: Ad ♂ (JRR); [UF4361] 21/6/12: 1Ten. (JRR); [UF4860] 21/6/12: 2♂ (JRR); [UF4548] 30/6/12: Ad ♂ (JMMB); [UF3263] 17/7/12: 2Ad (JRR, MdH); [UF4054] 23/7/12: 1Ex (JMMB, JRR, OG); [UF4054] 27/7/12: 2♂ (JMMB, JRR, OG); [UF4665] 31/7/12: 1♂ (JRR); [UF4551] 08/8/12: 2♂ (FVT, JRR); [UF4548] 27/8/12: Ad (JMMB). Cuadrículas 10x10: 14 cuadrículas (2 nuevas).

**Bibliografía:** RAMBUR 1842; PICTET 1865; JÖDICKE 1996; CANO-VILLEGAS 2003; CHELMICK 2006; CHELMICK & PICKESS 2008; PRUNIER *et al.* 2012; CAPMA 2013; ROLA 2013. Cuadrículas 10x10: 25.

***Onychogomphus uncatatus* (Charpentier, 1840)**

**Citas:** [UF4551] 15/7/06: Ad (JMMB); [UF4279] 21/6/07: 2Ad (PW); [UF4279] 19/6/09: 2Ad (PW); [UF3167] 06/5/10: Ad (JMMB, JRR, UBY); [UF4279] 15/6/10: 6Ad (PW); [UF2671] 15/6/10: Ad (JMMB); [VF0286] 19/6/10: Ad (JAMB, JARB, JMMB, JRR); [UF4279] 19/6/10: 6Ad (PW); [UF4279] 26/6/10: 2Ad (PW); [UF4245] 20/7/10: 10Ad (JMMB); [UF4551] 22/7/10: Ad (JMMB, UBY); [UF2654] 15/8/10: Ad (JARB, JMMB); [UF1546] 21/8/10: Ad (JMMB, JRR); [UF2654] 05/9/10: Ad (JJO, JMMB, JRR); [UF4279] 13/6/11: 1♂ (PW); [UF3271] 18/6/11: Ad (JARB, JMMB); [UF4279] 22/6/11: 2♂ (PW); [UF0239] 03/7/11: Ad (JMMB); [UF0240] 13/7/11: Ad (JMMB); [UF4551] 20/7/11: 1♀ (JRR, JS); [UF3953] 04/5/12: 10L (JRR, OG, PC, SS); [UF3953] 07/5/12: presencia L (JRR, OG, PC); [UF4551] 09/6/12: 1♂ (JRR); [UF2364] 01/7/12: 1Ad (JMMB); [VF0487] 08/7/12: 1Ad (JMMB); [VF1383] 15/7/12: 1Ad (JMMB); [UF4054] 23/7/12: 1♂1♀ (JMMB, JRR, OG); [UF3953] 23/7/12: 1♂presencia Ex (JMMB, JRR, OG); [UF3953] 27/7/12: 2♂ (JMMB, JRR, OG); [VF2172] 07/8/12: Ad (JMMB); [UF4551] 08/8/12: 1♂ (FVT, JRR). Cuadrículas 10x10: 15 cuadrículas (7 nuevas).

**Bibliografía:** RAMBUR 1842; CONESA-GARCÍA 1983; JÖDICKE 1996; CANO-VILLEGAS 2003; ROLA 2013.; CAPMA 2013. Cuadrículas 10x10: 20.

***Paragomphus genei* (Selys, 1841)**

**Citas:** [TF9341] 03/06/2007: 1 ten (David Chelmick); [TF9746] 16/06/2009: Ad (David Chelmick). Cuadrículas 10x10: 1 cuadrícula. Especie nueva para la provincia.

***Cordulegaster boltonii* (Donovan, 1807)**

**Citas:** [VF2374] 24/7/05: Ad (JMMB); [UF4279] 21/6/07: 1Ad (PW); [UF1273] 13/6/09: Ad (JMMB); [UF4279] 19/6/09: 2Ad (PW); [UF2158] 29/5/10: Ad (JMMB); [UF4053] 03/6/10: Ad (JMMB, JRR); [UF3271] 08/6/10: Ad (JMMB); [VF1676] 12/6/10: Ad (JMMB, JRR); [UF4279] 15/6/10: 3Ad (PW); [UF4089] 17/6/10: Ad (JMMB, UBY); [VF0487] 19/6/10: 10Ad (JAMB, JARB, JMMB, JRR); [UF4279] 19/6/10: 6Ad (PW); [UF1657] 26/6/10: Ad (JAMB, JMMB); [UF4279] 26/6/10: 2Ad (PW); [UF3271] 03/7/10: Ad (JMMB); [UF3851] 04/7/10: 10Ad (JMMB); [UF3149] 15/7/10: Ad (JMMB); [UF2948] 15/7/10: Ad (JMMB); [UF2465] 24/7/10: Ad (JMMB); [UF2654] 15/8/10: Ad (JARB, JMMB); [UF2461] 28/11/10: 1L (JMMB); [UF5448] 05/5/11: Ad (JMMB); [UF0374] 22/5/11: Ad (JARB, JMMB); [UF1680] 28/5/11: Ad (JAMB, JMMB); [UF4279] 13/6/11: 7Ad (PW); [UF3271] 18/6/11: Ad (JARB, JMMB); [UF4279] 22/6/11: 5Ad1Ex (PW); [UF0240] 11/7/11: 1Ad (FVT, JRL); [UF0239] 13/7/11: Ad (JMMB); [UF0240] 13/7/11: Ad (JMMB); [UF3044] 25/7/11: 1Ad (FVT); [UF3051] 18/5/12: 1Ad (JMMB); [UF5652] 23/5/12: 1Ad (JMMB); [UF4549] 26/5/12: 1Ad (JMMB); [UF5554] 16/6/12: 1Ad (JMMB); [UF2161] 17/6/12: 1Ad (JARB, JMMB); [VF0487] 08/7/12: 1Ad (JMMB); [UF5791] 11/7/12: 1Ad (JMMB); [VF1383] 15/7/12: 1Ad (JMMB); [UF3263] 17/7/12: 1Ex (JRR, MdH); [UF8294] 18/7/12: 1Ad (JARB, JMMB); [UF3953] 23/7/12: 2Ex (JMMB, JRR, OG); [UF4054] 23/7/12: 1Ex (JMMB, JRR, OG); [UF3953] 27/7/12: 2Ex (JMMB, JRR, OG). Cuadrículas 10x10: 25 cuadrículas (18 nuevas).

**Bibliografía:** RAMBUR 1842; ROSENHAUER 1856; PICTET 1865; CONESA-GARCÍA 1983; JÖDICKE 1996; ROLA 2013. Cuadrículas 10x10: 12.

***Macromia splendens* (Pictet, 1843)**

**Citas:** [TF7443] 04/6/11: Ad (JARB, JMMB). Cuadrículas 10x10: 1 cuadrícula.

**Bibliografía:** CHELMICK 2006; CHELMICK 2007; GAVIRA & CARRASCO 2012; ROLA 2013.; CAPMA 2013. Cuadrículas 10x10: 6.

***Oxygastra curtisii* (Dale, 1834)**

**Citas:** [UF1546] 10/4/10: Ad (JAMB, JMMB, UBY); [UF4053] 03/6/10: Ad (JMMB, JRR); [UF2654] 15/8/10: Ad (JARB, JMMB); [UF5251] 17/5/11: Ad (JMMB); [UF4279] 13/6/11: 1♂ (PW); [UF3953] 04/5/12: 1L (JRR, OG, PC, SS); [UF4549] 26/5/12: 1Ad (JMMB); [UF4054] 23/7/12: 1Ex (JMMB, JRR, OG). Cuadrículas 10x10: 7 cuadrículas (2 nuevas).

**Bibliografía:** RAMBUR 1842; CHELMICK 2006; CHELMICK 2007; CHELMICK & PICKESS 2008; CAPMA 2013; ROLA 2013. Cuadrículas 10x10: 16.

***Selysiothemis nigra* (Vander Linden, 1825)**

**Citas:** [UF6959] 15/6/09: 1♂ (PW); [UF6959] 16/6/09: 1♂ (PW); [UF6166] 30/6/11: Ad ♂ (FJCV, JRR); [UF6167] 23/8/11: 1Ad (FVT, JRL). Cuadrículas 10x10: 2 cuadrículas (1 nueva).

**Bibliografía:** CONESA-GARCÍA 1983; CONESA-GARCÍA 1986; ROLA 2013.; CONESA *et al.* 2013. Cuadrículas 10x10: 2.

***Brachythemis impartita* (Karsch, 1890)**

**Citas:** [TF9519] 12/9/05: 1♂ (PW); [UF6959] 13/9/05: 1Ad (PW); [UF6959] 17/9/05: 1Ad (PW); [UF6959] 17/9/05: Ad (JMMB); [UF6959] 18/9/05: 3Ad (PW); [UF6959] 08/6/06: Ad (PW); [UF6959] 12/6/06: Ad (PW); [UF6959] 18/6/06: Ad (PW); [UF6959] 12/9/06: 6Ad (PW); [UF6959] 29/6/07: 1♂ (PW); [UF6959] 23/9/07: 1♀ (PW); [UF6959] 24/9/07: 2♂ (PW); [UF4745] 16/8/10: Ad (JARB, JMMB); [UF4443] 16/8/10: 10Ad (JARB, JMMB); [UF1645] 21/8/10: Ad (JMMB, JRR); [UF4443] 26/8/10: Ad (JMMB); [UF2040] 28/8/10: 10Ad (JMMB, JRR); [UF6959] 21/6/11: 1♂ (PW); [UF1645] 26/7/11: 3Ad (FVT, JRR); [UF1645] 26/7/11: 5♀ (FVT, JRR); [UF6959] 20/9/11: 2♂1♀ (PW); [UF4443] 27/8/12: ♂♀ (JMMB). Cuadrículas 10x10: 4 cuadrículas (3 nuevas).

**Bibliografía:** COMPTE-SART 1962; CONESA-GARCÍA 1982; CONESA-GARCÍA 1983; CONESA-GARCÍA 1986; JÖDICKE 1996; CANO-VILLEGAS 2003; ROLA 2013. Cuadrículas 10x10: 6.

***Crocothemis erythraea* (Brullé, 1832)**

**Citas:** [UF6959] 13/9/05: 4Ad (PW); [UF6959] 16/9/05: 2Ad (PW); [UF6959] 17/9/05: 1Ad (PW); [UF6959] 18/9/05: 2Ad (PW); [UF4874] 19/9/05: 1Ad (PW); [UF6959] 09/6/06: 2Ad (PW); [UF3294] 14/6/06: 3Ad (PW); [UF6959] 08/9/06: 3♂ (PW); [UF6959] 12/9/06: 1♂ (PW); [UF6959] 16/6/07: 4Ad (PW); [UF6959] 18/6/07: 1Ad (PW); [UF6959] 27/6/07: 3♂1♀ (PW); [UF6959] 28/6/07: 4Ad (PW); [UF6959] 29/6/07: 2♂ (PW); [UF6959] 23/9/07: 2♂1♀ (PW); [UF6959] 24/9/07: 3Ad (PW); [UF6959] 05/10/07: 1Ad (PW); [UF7166] 16/8/08: Ad (JRL); [UF6959] 15/6/09: 1♂ (PW); [UF6959] 16/6/09: 2♂ (PW); [UF6959] 17/6/09: 1♂ (PW); [UF6959] 19/6/09: 1♂ (PW); [UF6959] 22/6/09: 1♂ (PW); [UF6959] 23/6/09: 1♂ (PW); [UF3483] 24/6/09: 2♂ (PW); [UF6959] 19/9/09: 2Ad (PW); [UG4511] 22/9/09: 3Ad (PW); [UF5350] 17/4/10: Ad (JMMB); [UF6959] 16/6/10: 2Ad (PW); [UF6959] 18/6/10: 2Ad (PW); [UF6959] 21/6/10: 2Ad (PW); [UF6959] 24/6/10: 4Ad (PW); [UF4874] 26/6/10: 5Ad (PW); [UF4965] 07/8/10: Ad (JRR); [UF4665] 10/8/10: Ad (JRR); [UF6554] 14/8/10: 10Ad (JMMB); [UF4945] 14/8/10: Ad (JMMB); [UF2543] 15/8/10: Ad (JARB, JMMB);



[UF4965] 16/8/10: Ad (JRR); [UF4965] 17/8/10: Ad (JMMB, JRR); [UF4860] 17/8/10: Ad (JMMB, JRR); [UF3798] 19/8/10: Ad (JMMB, JRR); [UF1645] 21/8/10: Ad (JMMB, JRR); [UF5245] 23/8/10: Ad (JMMB); [UF4841] 26/8/10: Ad (JMMB); [UF4443] 26/8/10: presencia ♀10Ad (JMMB); [UF2040] 28/8/10: Ad (JMMB, JRR); [UF3192] 02/9/10: Ad (JMMB, JRR); [UF3382] 02/9/10: Ad (JMMB, JRR); [UF7685] 14/9/10: Ad (JMMB, JRR); [UF7079] 14/9/10: Ad (JMMB, JRR); [UF4874] 19/9/10: 8Ad (PW); [UF6959] 20/9/10: 3Ad (PW); [UF3294] 21/9/10: 4Ad (PW); [UF4874] 21/9/10: 8Ad (PW); [UF4874] 24/9/10: 2Ad (PW); [UF3483] 25/9/10: 2Ad (PW); [UF4443] 28/9/10: Ad (JMMB, JRR, UBY); [UF5443] 28/9/10: Ad (JMMB, JRR, UBY); [UF6167] 05/10/10: Ad (JMMB, JRR); [UF6052] 06/10/10: Ad (JMMB); [UF2040] 07/10/10: Ad (JAMB, JMMB, JRR); [UF5457] 10/10/10: Ad (JMMB); [UF4741] 14/10/10: Ad (JMMB); [UF8367] 02/4/11: Ad (JMMB); [UF4665] 05/5/11: Ad (JRR); [UF5448] 05/5/11: Ad (JMMB); [UF4874] 10/6/11: 4♂ (PW); [UF5553] 11/6/11: Ad (JAMB, JMMB); [UF6959] 14/6/11: 1♂2♀ (PW); [UF6959] 15/6/11: 2♂ (PW); [UF3483] 16/6/11: 6♂ (PW); [UF4874] 18/6/11: 6♂ (PW); [UF4874] 19/6/11: 2♂1♀ (PW); [UF6959] 21/6/11: 1♂ (PW); [UF4874] 23/6/11: 4♂ (PW); [UF6857] 25/6/11: 2♂ (PW); [UF6167] 28/6/11: Ad (JRR, PC); [UF4551] 20/7/11: 1♂ (JRR, JS); [UF6757] 23/7/11: Ad (JMMB); [UF2343] 03/8/11: 1Ad (FVT); [UF2540] 03/8/11: 10Ad (FVT); [UF6167] 23/8/11: 10Ad (FVT, JRL); [UF5546] 13/9/11: 10Ad (FVT); [UF6959] 17/9/11: 1♂ (PW); [UF4471] 18/9/11: 5♂ (PW); [UF6857] 20/9/11: 9♂1♀ (PW); [UF6959] 20/9/11: 4♂ (PW); [UF3741] 21/9/11: Ad (JARB, JMMB); [UF4471] 22/9/11: 2♂2♀ (PW); [UF6857] 22/9/11: 100Ad (PW); [UF4874] 24/9/11: 5♂1♀ (PW); [UF6857] 24/9/11: 100Ad (PW); [UF3741] 26/9/11: 3Ad (FVT); [UF4339] 28/9/11: Ad (JMMB); [UG8307] 05/10/11: 6Ad (FVT, JMMB); [UG8407] 05/10/11: 10Ad (FVT, JMMB); [UG4919] 09/10/11: 3Ad (JAMB, JMMB); [UG3601] 13/10/11: 3Ad (FVT, JRL); [UG4006] 13/10/11: 3Ad (FVT, JRL); [UF4356] 09/6/12: 2Ad (JRR); [UF4361] 21/6/12: 2♀ (JRR); [UF4665] 21/6/12: 2♂1♀ (JRR); [UF4548] 30/6/12: 1♂ (JMMB); [UF4665] 31/7/12: 1♂ (JRR); [UF4063] 08/8/12: 1♂2♀ presencia Ex (FVT, JRR); [UF4551] 08/8/12: 1♂ (FVT, JRR); [VF2267] 11/8/12: 1♂ (JMMB); [UF4063] 18/8/12: Ad (JRR, OG); [UF4363] 18/8/12: Ad (JRR, OG); [UF4548] 27/8/12: ♂♀ (JMMB); [UF4448] 30/9/12: 1♂ (JMMB); [UF4548] 30/9/12: Ad ♂ (JMMB); [UF4664] 03/10/12: ♂♀ (FSG, JMMB, JRR). Cuadrículas 10x10: 23 cuadrículas (7 nuevas).

**Bibliografía:** PICTET 1865; CONESA-GARCÍA 1983; CONESA-GARCÍA 1985c; CONESA-GARCÍA 1986; OCHARAN 1987; MARTENS *et al.* 1996; JÖDICKE 1996; CANO-VILLEGAS 2003; CANO-VILLEGAS & CONESA-GARCÍA 2009a; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 27.

### ***Diplacodes lefebvrii* (Rambur, 1842)**

Citas referidas en VENHUIS & RIPOLL 2013.

**Bibliografía:** CONESA-GARCÍA 1985a; CONESA-GARCÍA 1986; JÖDICKE 1996. CONESA *et al.* 2013. Cuadrículas 10x10: 7.

### ***Libellula depressa* Linnaeus, 1758**

Citas referidas en MORENO-BENÍTEZ *et al.* 2013.

**Bibliografía:** ROSENHAUER 1856; CONESA-GARCÍA 1983; CONESA-GARCÍA 1985c. Cabe mencionar un error en la redacción del artículo de MORENO-BENÍTEZ *et al.* 2013: la localidad 6 (Málaga, Villanueva del Rosario), referida a la cuadrícula 30SUF1680, ha de ser

rectificada, siendo la correcta 30SUF8294. Cuadrículas 10x10: 6.

### ***Orthetrum brunneum* (Fonscolombe, 1837)**

**Citas:** [VF1676] 12/6/10: Ad (JMMB, JRR); [UF3050] 01/7/10: Ad (JARB, JMMB); [UF7685] 14/9/10: Ad (JMMB, JRR); [UF8294] 20/7/11: Ad (JMMB); [UF4471] 18/9/11: 1♂ (PW); [UF4471] 22/9/11: 1♂ (PW); [UF4874] 24/9/11: 1♂ (PW); [UF4356] 09/6/12: 2♂ (JRR). Cuadrículas 10x10: 6 cuadrículas (3 nuevas).

**Bibliografía:** PICTET 1865; CONESA-GARCÍA 1990; JÖDICKE 1996; ROLA 2013.; MORENO-BENÍTEZ *et al.* 2013. Cuadrículas 10x10: 12.

### ***Orthetrum cancellatum* (Linnaeus, 1758)**

**Citas:** [UF6959] 24/9/07: 1♀ (PW); [UF6959] 15/6/09: 2Ad (PW); [UF6959] 19/6/09: 1♂ (PW); [UF6959] 22/6/09: 3♂1♀ (PW); [UF6959] 23/6/09: 2♂1♀ (PW); [VF0286] 18/5/10: Ad (JMMB, JRR); [UF6959] 14/6/10: 1Ad (PW); [UF6959] 16/6/10: 1♂ (PW); [UF4874] 26/6/10: 1Ad (PW); [UF1645] 21/8/10: Ad (JMMB, JRR); [UF4443] 26/8/10: Ad (JMMB); [UF2040] 28/8/10: Ad (JMMB, JRR); [UF6959] 18/9/10: 1Ad (PW); [UF6959] 11/6/11: 2♂ (PW); [UF6959] 14/6/11: 1♂ (PW); [UF6959] 15/6/11: 2♂ (PW); [UF6959] 21/6/11: 2Ad (PW); [UF4874] 23/6/11: 1♂ (PW); [UF0581] 24/6/11: 1♂ (PW); [UF6959] 25/6/11: 1♂ (PW); [UF6167] 28/6/11: 1Ad (JRR, PC); [UF6166] 30/6/11: Ad (FJCV, JRR); [UF2443] 03/8/11: 1Ad (FVT); [UF4060] 23/8/11: 1♀ (JRR); [UF4060] 23/8/11: Ad (JRR); [UF6857] 22/9/11: 1♂ (PW); [UF6857] 24/9/11: 1♀ (PW); [UG8407] 05/10/11: 1Ad (FVT, JMMB); [UG4919] 09/10/11: 1Ad (JAMB, JMMB); [UF4356] 09/6/12: (JRR). Cuadrículas 10x10: 11 cuadrículas (6 nuevas).

**Bibliografía:** PICTET 1865; NAVAS 1902a; CONESA-GARCÍA 1983; CONESA-GARCÍA 1985c; CONESA-GARCÍA 1986; CONESA-GARCÍA 1990; MARTENS *et al.* 1996; JÖDICKE 1996; CANO-VILLEGAS 2003; CANO-VILLEGAS & CONESA-GARCÍA 2009a; ROLA 2013. Cuadrículas 10x10: 10.

### ***Orthetrum chrysostigma* (Burmeister, 1839)**

**Citas:** [UF6959] 24/9/07: 1♂ (PW); [UF3483] 26/9/07: 1♂ (PW); [UF4570] 24/6/09: 1Ad (PW); [UF4874] 26/6/10: 1Ad (PW); [UF4965] 06/8/10: Ad (JRR); [UF4965] 07/8/10: Ad (JRR); [UF4665] 10/8/10: Ad (JRR); [UF4665] 16/9/10: Ad (JRR); [UF4874] 19/9/10: 5Ad (PW); [UF4874] 21/9/10: 3Ad (PW); [UF3294] 21/9/10: 2Ad (PW); [UF4874] 24/9/10: 4Ad (PW); [UF3483] 25/9/10: 4Ad (PW); [UF6052] 06/10/10: Ad (JMMB); [UF4551] 17/10/10: Ad (JJO, JRR); [UF4874] 15/6/11: 1♂ (PW); [UF4874] 18/6/11: 8♂ (PW); [UF4874] 19/6/11: 4♂1♀ (PW); [UF3294] 22/6/11: 2♂ (PW); [UF4874] 23/6/11: 11♂2♀ (PW); [UF6857] 25/6/11: 1♂ (PW); [UF4874] 25/6/11: 1♂ (PW); [UF0340] 11/7/11: 1Ad (FVT, JRL); [UF4551] 20/7/11: Ad (JRR, JS); [UF4356] 20/7/11: Ad ♂ (JRR, JS); [UF6049] 23/7/11: Ad (JMMB); [UF3044] 25/7/11: 1Ad (FVT); [UF1645] 26/7/11: 3Ad (FVT, JRR); [UF1745] 26/7/11: Ad ♂ (FVT, JRR); [UF1645] 26/7/11: Ad ♂1♀ (FVT, JRR); [UF4374] 27/7/11: Ad (JMMB); [UF5068] 27/7/11: Ad (JMMB); [UF5370] 27/7/11: Ad (JMMB); [UF2540] 03/8/11: 6Ad (FVT); [UF2343] 03/8/11: 6Ad (FVT); [UF2443] 03/8/11: 3Ad (FVT); [UF4860] 08/8/11: 1♂ (JRR); [UF4551] 10/8/11: 3♂ (FSG, JRR, JS); [UF4340] 15/8/11: Ad (JMMB); [UF1637] 18/8/11: 1Ad (FVT); [UF6167] 23/8/11: 1Ad (FVT, JRL); [UF5648] 10/9/11: Ad (JMMB); [UF5546] 13/9/11: 3Ad (FVT); [UF5448] 14/9/11: Ad (JMMB); [UF2942] 15/9/11: 3Ad (FVT); [UF3044] 15/9/11: 3Ad (FVT); [UF5049] 16/9/11: Ad (JMMB); [UF5557] 17/9/11: Ad (JMMB); [UF5658] 17/9/11: Ad (JMMB); [UF4678] 18/9/11: 4♂

(PW); [UF4471] 18/9/11: 9♂ (PW); [UF6857] 20/9/11: 3♂1♀ (PW); [UF4874] 20/9/11: 2♂ (PW); [UF3741] 21/9/11: Ad (JARB, JMJB); [UF6857] 22/9/11: 100Ad (PW); [UF4471] 22/9/11: 10♂1♀ (PW); [UF6857] 24/9/11: 100Ad (PW); [UF4874] 24/9/11: 13♂1♀ (PW); [UF4339] 28/9/11: Ad (JMJB); [UF2654] 29/9/11: 6Ad (FVT, JRL); [UG8307] 05/10/11: 1Ad (FVT, JMJB); [UF3044] 08/10/11: 6Ad (FVT); [UF3453] 11/10/11: 3Ad (JMJB); [UG3601] 13/10/11: 3Ad (FVT, JRL); [UF3454] 12/11/11: Ad (JMJB); [UF4549] 26/5/12: ♂♀ (JMJB); [UF4356] 09/6/12: 1♀Ad (JRR); [UF4551] 09/6/12: 2♂ (JRR); [UF4361] 21/6/12: 3♂3Ten. (JRR); [UF4941] 23/6/12: 1♂ (JMJB); [UF4548] 30/6/12: ♂♀ (JMJB); [UF3263] 17/7/12: 3Ad (JRR, MdH); [UF4551] 08/8/12: 2♂ (FVT, JRR); [UF3962] 08/8/12: 1♀presencia Ex (FVT, JRR); [UF4063] 18/8/12: Ad (JRR, OG); [UF4363] 18/8/12: Ad (JRR, OG); [UF4548] 27/8/12: ♂♀ (JMJB); [UF4245] 14/9/12: ♂♀ (JMJB); [UF4548] 23/9/12: ♂♀ (JAMB, JMJB); [UF4551] 25/9/12: 2♂ (JRR); [UF4448] 30/9/12: Ad ♂ (JMJB); [UF4548] 30/9/12: ♂♀ (JMJB); [UF4664] 03/10/12: ♂♀ (FSG, JMJB, JRR); [UF4447] 21/10/12: 1♂ (JMJB). Cuadrículas 10x10: 24 cuadrículas (13 nuevas).

**Bibliografía:** PICTET 1865; NAVAS 1902a; CONESA-GARCÍA 1983; CONESA-GARCÍA 1990; MARTENS *et al.* 1996; JÖDICKE 1996; CANO-VILLEGAS 2003; CHELMICK & PICKESS 2008; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 24.

### ***Orthetrum coerulescens* (Fabricius, 1798)**

**Citas:** [UF4551] 23/7/06: Ad (JMJB); [UF4551] 29/7/06: Ad (JMJB); [UF4279] 19/6/09: 2♂ (PW); [UF3483] 24/6/09: 1♂ (PW); [UF1040] 10/4/10: Ad (JAMB, JMJB, UBY); [UF2962] 04/5/10: Ad (JMJB); [VF1676] 12/6/10: Ad (JMJB, JRR); [UF4279] 15/6/10: 10Ad (PW); [UF4089] 17/6/10: Ad (JMJB, UBY); [UF4279] 19/6/10: 20Ad (PW); [UF4874] 26/6/10: 1Ad (PW); [UF4279] 26/6/10: 6Ad (PW); [UF4551] 15/7/10: Ad (JRR); [UF4665] 10/8/10: Ad (JRR); [UF4089] 24/8/10: Ad (JMJB, JRR); [UF3382] 02/9/10: Ad (JMJB, JRR); [UF2584] 28/5/11: Ad (JAMB, JMJB); [UF4279] 13/6/11: 3♂ (PW); [UF4279] 22/6/11: 6Ad (PW); [UF5457] 27/6/11: Ad (JRR, PC); [UF1745] 26/7/11: Ad ♂ (FVT, JRR); [UF1645] 26/7/11: 3Ad (FVT, JRR); [UF3976] 27/7/11: Ad (JMJB); [UF4175] 27/7/11: Ad (JMJB); [UF4551] 10/8/11: 1♂ (FSG, JRR, JS); [UF6167] 23/8/11: 1Ad (FVT, JRL); [UF4356] 09/6/12: 2Ad (JRR); [UF4551] 09/6/12: 1♂ (JRR); [UF4054] 23/7/12: 1♂ (JMJB, JRR, OG); [UF4054] 27/7/12: 1Ad (JMJB, JRR, OG); [VF2172] 07/8/12: 1♂ (JMJB); [UF4551] 08/8/12: 2♂1Ten. (FVT, JRR); [TF8551] 25/9/12: 1♂ (FSG, JMJB). Cuadrículas 10x10: 14 cuadrículas (8 nuevas).

**Bibliografía:** PICTET 1865; CONESA-GARCÍA 1983; CONESA-GARCÍA 1990; MARTENS *et al.* 1996; JÖDICKE 1996; CANO-VILLEGAS 2003; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 12.

### ***Orthetrum nitidinerve* (Selys, 1841)**

**Citas:** Especie no avistada. **Bibliografía:** RAMBUR 1842; ROSENHAUER 1856; PICTET 1865; CONESA-GARCÍA 1983; CONESA-GARCÍA 1990; BUTLER 1992. Cuadrículas 10x10: 3.

### ***Orthetrum trinacria* (Selys, 1841)**

**Citas:** [TF9519] 12/9/05: 1♂ (PW); [UF6959] 23/9/09: 1♂1♀ (PW); [UF6959] 25/9/09: 2♂ (PW); [UF2040] 28/8/10: Ad (JMJB, JRR); [UF6959] 22/9/10: 1♂ (PW); [UF6167] 05/10/10: Ad (JMJB, JRR); [UF2040] 07/10/10: Ad (JAMB, JMJB, JRR); [UF4741] 14/10/10: Ad (JMJB); [UF6959] 11/6/11: 1♂ (PW); [UF6959] 21/6/11: 1♂ (PW); [UF6959] 25/6/11: 1♂

(PW); [UF6167] 28/6/11: Ad (JRR, PC); [UF6166] 30/6/11: Ad (FJCV, JRR); [UF6757] 23/7/11: Ad (JMMB); [UF1645] 26/7/11: 1Ad (FVT, JRR); [UF1645] 26/7/11: (FVT, JRR); [UF6167] 23/8/11: 3Ad (FVT, JRL); [UF2942] 15/9/11: 1Ad (FVT); [UF6959] 20/9/11: 2♂ (PW); [UF6857] 20/9/11: 1♂2♀ (PW); [UF6857] 22/9/11: 2♂ (PW); [UF6857] 24/9/11: 3♂1♀ (PW); [UG4919] 09/10/11: 3Ad (JAMB, JMMB). Cuadrículas 10x10: 6 cuadrículas (4 nuevas).

**Bibliografía:** CANO-VILLEGAS 2003; ROLA 2013. Cuadrículas 10x10: 3.

### ***Sympetrum fonscolombii* (Selys, 1840)**

**Citas:** [TE8098] 12/9/05: 2Ad (PW); [UF6959] 17/9/05: 2Ad (PW); [UF6959] 18/9/05: 2Ad (PW); [UF5344] 23/10/05: Ad (JMMB); [UF6959] 12/6/06: 1Ad (PW); [UF6959] 18/6/06: Ad (PW); [UF5653] 22/8/06: Ad (JMMB); [UF5152] 08/9/06: Ad (JMMB); [UF5556] 30/9/06: Ad (JMMB); [UF6354] 19/11/06: Ad (JMMB); [UF6959] 16/6/07: 1Ad (PW); [UF6959] 27/6/07: 1♂ (PW); [UF6959] 28/6/07: 2Ad (PW); [UF6959] 23/9/07: 6♂1♀ (PW); [UF4874] 24/9/07: 5Ad (PW); [UF6959] 24/9/07: 9Ad (PW); [UF4190] 25/9/07: 3Ad (PW); [UF3898] 25/9/07: 20Ad (PW); [UF4088] 25/9/07: 4Ad (PW); [UF4088] 26/9/07: 3Ad (PW); [UF3483] 26/9/07: 1Ad (PW); [UF6959] 27/9/07: 2000Ad (PW); [UF4745] 28/9/07: Ad (JMMB); [UF5551] 29/9/07: Ad (JMMB); [UF6959] 03/10/07: 15Ad (PW); [UF3599] 04/10/07: 200Ad (PW); [UF6959] 05/10/07: 30Ad (PW); [UF6959] 24/9/08: 6Ad (PW); [UG4511] 25/9/08: 500♀1500Ad (PW); [UF6959] 20/4/09: 1Ad (PW); [UF3798] 22/4/09: Ad (PW); [UF3798] 14/6/09: Ad (PW); [UF6959] 16/6/09: 1♀ (PW); [UF3798] 18/6/09: 4Ad (PW); [UF4279] 19/6/09: 1♂ (PW); [UF3699] 21/6/09: 5Ad (PW); [UF6959] 23/6/09: 1♂ (PW); [UF3483] 24/6/09: 3Ad (PW); [VF0483] 11/7/09: Ad (JARB, JMMB, JRR); [UF6959] 19/9/09: Ad (PW); [UF3699] 20/9/09: Ad (PW); [UG4511] 22/9/09: 100♀400Ad (PW); [UF6152] 23/9/09: Ad (JRL); [UF6959] 23/9/09: 2♂1♀ (PW); [UF6959] 25/9/09: 1♂ (PW); [UF2393] 12/10/09: Ad (JMMB); [VF3172] 31/10/09: 10Ad (JMMB, JRR); [UF6350] 15/11/09: Ad (JMMB); [UF5551] 06/12/09: Ad (JMMB); [UF6149] 07/12/09: Ad (JMMB); [UF6350] 07/12/09: Ad (JMMB); [UF6959] 25/1/10: 1Ad (PW); [UG3601] 10/4/10: Ad (JAMB, JMMB, JRR, UBY); [UF3898] 10/4/10: Ad (JAMB, JMMB, JRR, UBY); [UF3798] 10/4/10: Ad (JAMB, JMMB, JRR, UBY); [UF5350] 17/4/10: Ad (JMMB); [VF0166] 20/4/10: Ad (JMMB, JRR); [VF1676] 12/6/10: Ad (JMMB, JRR); [UF6959] 16/6/10: 2Ad (PW); [UF3699] 17/6/10: 20Ad (PW); [UF4965] 14/7/10: Ad (JRR); [UF5553] 25/7/10: Ad (JMMB, UBY); [UF4965] 06/8/10: Ad (JRR); [UF5652] 07/8/10: Ad (JMMB); [UF4965] 07/8/10: Ad (JRR); [UF4665] 10/8/10: Ad (JRR); [UF3263] 12/8/10: Ad (JMMB, JRR, UBY); [UF4945] 14/8/10: Ad (JMMB); [UF6350] 14/8/10: Ad (JMMB); [UF6554] 14/8/10: Ad (JMMB); [UF2543] 15/8/10: Ad (JARB, JMMB); [UF2654] 15/8/10: Ad (JARB, JMMB); [UF4965] 17/8/10: presencia Ex (JMMB, JRR); [UF4860] 17/8/10: Ad (JMMB, JRR); [UF3898] 19/8/10: 10Ad (JMMB, JRR); [UF3798] 19/8/10: Ad (JMMB, JRR); [UG3600] 19/8/10: Ad (JMMB, JRR); [UF1546] 21/8/10: Ad (JMMB, JRR); [UF4089] 24/8/10: Ad (JMMB, JRR); [UF0739] 28/8/10: Ad (JMMB, JRR); [UF1134] 28/8/10: Ad (JMMB, JRR); [UF3382] 02/9/10: Ad (JMMB, JRR); [UF7685] 14/9/10: Ad (JMMB, JRR); [UG3600] 19/9/10: 2Ad (PW); [UF7070] 25/9/10: Ad (JMMB, JRR); [UF7677] 25/9/10: Ad (JMMB, JRR); [UF3483] 25/9/10: 1Ad (PW); [UF7676] 25/9/10: Ad (JMMB, JRR); [UF4443] 28/9/10: Ad (JMMB, JRR, UBY); [UF5443] 28/9/10: Ad (JMMB, JRR, UBY); [UF4155] 30/9/10: Ad (JMMB, MLC); [UF4551] 30/9/10: Ad (JMMB, MLC); [TF9730] 02/10/10: Ad (JAMB, JMMB, JRR); [UF6167] 05/10/10: Ad (JMMB, JRR); [UF5457] 10/10/10: Ad (JMMB); [UF5650] 10/10/10: Ad (JMMB); [UF2467] 12/10/10: Ad (JAMB, JMMB); [UF4741] 14/10/10: Ad

(JMMB); [UF5141] 17/10/10: Ad (JMMB); [UF3798] 19/10/10: Ad (JMMB, JRR); [UF3741] 23/10/10: Ad (JMMB); [UF4245] 26/10/10: 20Ad (JMMB, JRR); [UF6050] 27/10/10: Ad (JRR); [UF2543] 13/11/10: Ad (JMMB); [UF1439] 13/11/10: Ad (JMMB); [UF5350] 25/11/10: Ad (JMMB); [UF2543] 15/12/10: Ad (JMMB); [UF3699] 08/4/11: 5Ad (PW); [UG4918] 09/4/11: Ad (JAMB, JMMB, JRR, UBY); [UF6052] 14/4/11: 1♂3♀ (JMMB); [UF5553] 11/6/11: Ad (JAMB, JMMB); [UF4874] 12/6/11: 1♂ (PW); [UF6959] 14/6/11: 2♂ (PW); [UF3699] 16/6/11: 2Ad (PW); [UF3483] 16/6/11: 1♂ (PW); [UF3699] 19/6/11: 5♂ (PW); [UF6060] 28/6/11: Ad (JRR, PC); [UF6166] 30/6/11: Ad (FJCV, JRR); [UF5647] 23/7/11: Ad (JMMB); [UF6049] 23/7/11: Ad (JMMB); [UF6757] 23/7/11: Ad (JMMB); [UF4374] 27/7/11: Ad (JMMB); [UF9865] 31/7/11: Ad (JMMB); [UF4339] 15/8/11: Ad (JMMB); [UF6167] 23/8/11: 20Ad (FVT, JRL); [UF5454] 08/9/11: Ad (JMMB); [UF5648] 10/9/11: Ad (JMMB); [UF5448] 14/9/11: Ad (JMMB); [UF3044] 15/9/11: 1Ad (FVT); [UF5049] 16/9/11: Ad (JMMB); [UF5557] 17/9/11: Ad (JMMB); [UF4356] 17/9/11: Ad (JMMB); [UF4348] 18/9/11: Ad (JMMB); [UF3798] 19/9/11: 2Ad (PW); [UF3699] 19/9/11: 3♂ (PW); [UF6959] 20/9/11: 1♂2♀ (PW); [UG4511] 21/9/11: Ad (PW); [UF3741] 21/9/11: Ad (JARB, JMMB); [UF4471] 22/9/11: 1♂1♀ (PW); [UF6857] 24/9/11: 4♂ (PW); [UF4339] 28/9/11: 10Ad (JMMB); [UG8407] 05/10/11: 20Ad (FVT, JMMB); [UG8307] 05/10/11: 6Ad (FVT, JMMB); [UF3044] 08/10/11: 10Ad (FVT); [UG4919] 09/10/11: 20Ad (JAMB, JMMB); [UG4511] 09/10/11: 20Ad (JAMB, JMMB); [UF3453] 11/10/11: 3Ad (JMMB); [UG4006] 13/10/11: 10Ad (FVT, JRL); [UG3601] 13/10/11: 20Ad (FVT, JRL); [UF6959] 15/10/11: 11Ad (JMMB); [UF5652] 06/11/11: Ad (JMMB); [UF3454] 12/11/11: Ad (JMMB); [UF5647] 23/11/11: Ad (JMMB); [UF5647] 06/12/11: Ad (JMMB); [UF6554] 06/12/11: Ad (JMMB); [UF6049] 06/12/11: Ad (JMMB); [UF4444] 01/9/12: ♂♀ (JMMB); [UF4245] 14/9/12: ♂♀ (JMMB); [UF4548] 23/9/12: ♂♀ (JAMB, JMMB); [TF8652] 23/9/12: Ad (FSG, JMMB); [TF8652] 24/9/12: ♂♀ (FSG, JMMB); [TF8551] 25/9/12: ♂♀ (FSG, JMMB); [TF9056] 25/9/12: 1♂ (FSG, JMMB); [TF8651] 25/9/12: ♂♀ (FSG, JMMB); [UF4551] 25/9/12: 5Ad (JRR); [TF8652] 26/9/12: ♂♀ (FSG, JMMB); [UF4548] 30/9/12: ♂♀ (JMMB); [UF4448] 30/9/12: ♂♀ (JMMB); [UF4664] 03/10/12: ♂♀ (FSG, JMMB, JRR); [UF6960] 07/10/12: ♂♀ (FSG, JMMB); [UF6959] 07/10/12: ♂♀ (FSG, JMMB); [UF7059] 07/10/12: ♂♀ (FSG, JMMB); [UF7060] 07/10/12: Ad ♂presencia ♀ (FSG, JMMB); [UF5443] 10/10/12: 2♀ (FSG, JMMB); [UF4546] 14/10/12: ♂♀ (JMMB); [UF4447] 21/10/12: ♂♀ (JMMB). Cuadrículas 10x10: 40 cuadrículas (24 nuevas).

**Bibliografía:** PICTET 1865; NAVAS 1902b; BELLE 1979a; CONESA-GARCÍA 1983; CONESA-GARCÍA 1985c; CONESA-GARCÍA 1986; RHÖN 1996; JÖDICKE 1996; CANO-VILLEGAS 2003; CANO-VILLEGAS & CONESA-GARCÍA 2009a; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 26.

### ***Sympetrum meridionale* (Selys, 1841)**

**Citas:** [UF2654] 14/11/09: Ad (JMMB, JRR); [UF2543] 14/11/09: Ad (JMMB, UBY); [UF3271] 28/7/10: Ad (JMMB); [UF4245] 26/10/10: Ad (JMMB, JRR); [UF6479] 01/11/10: Ad (JMMB, JRR); [UF1645] 06/11/10: Ad (JAMB, JMMB, JRR); [UF2543] 15/12/10: Ad (JMMB); [UF3699] 19/9/11: 2♂ (PW). Cuadrículas 10x10: 7 cuadrículas (7 nuevas).

**Bibliografía:** NAVAS 1902b; CONESA-GARCÍA 1983; JÖDICKE 1996; ROLA 2013. Cuadrículas 10x10: 5.

***Sympetrum sanguineum* (Müller, 1764)**

Especie no avistada. **Bibliografía:** CONESA-GARCÍA 1983. Cuadrículas 10x10: 2.

***Sympetrum sinaiticum* Dumont, 1977**

**Citas:** [UF7070] 25/9/10: Ad (JMJB, JRR); [UF4356] 30/9/10: Ad (JMJB, MLC); [UF5457] 10/10/10: Ad (JMJB); [UF4356] 10/10/10: Ad (JRR); [UF2467] 12/10/10: Ad (JAMB, JMJB); [UF2467] 12/10/10: Ad (JAMB, JMJB); [UF6479] 01/11/10: Ad (JMJB, JRR); [UF1645] 06/11/10: Ad (JAMB, JMJB, JRR); [UF4356] 11/12/11: 1♂ (JRR); [UF4356] 26/1/12: 3♂1♀ (JRR); [UF4551] 29/1/12: 1♂ (FSG, JRR); [UF4448] 30/9/12: 1♂ (JMJB); [UF4664] 03/10/12: 1♂ (FSG, JMJB, JRR). Cuadrículas 10x10: 8 cuadrículas (8 nuevas).

**Bibliografía:** JÖDICKE 1996; ROLA 2013. Cuadrículas 10x10: 3.

***Sympetrum striolatum* (Charpentier, 1840)**

**Citas:** [UF4853] 13/6/08: Ad (JMJB); [UF5154] 08/7/08: Ad (JMJB); [VF2374] 14/8/08: Ad (JMJB, UBY); [UF3798] 18/6/09: 1Ad (PW); [VF0483] 11/7/09: Ad (JARB, JMJB, JRR); [UF4453] 23/8/09: Ad (JMJB, JRR, UBY); [UF5653] 02/9/09: Ad (JRL); [] 02/9/09: Ad (JRL); [UF8294] 03/9/09: Ad (JRL); [] 03/9/09: Ad (JRL); [UF3263] 12/8/10: Ad (JMJB, JRR, UBY); [UF4356] 10/10/10: Ad (JRR); [UF6479] 01/11/10: Ad (JMJB, JRR); [UF1645] 06/11/10: Ad (JAMB, JMJB, JRR); [UF4356] 10/11/10: Ad (JMJB); [UF2543] 13/11/10: Ad (JMJB); [UF3150] 16/11/10: 1♀ (JMJB); [UF5251] 08/12/10: Ad (JMJB); [UF2543] 15/12/10: Ad (JMJB); [UF3271] 18/6/11: Ad (JARB, JMJB); [UF5454] 08/9/11: Ad (JMJB); [UG8307] 05/10/11: 1♂1♀ (FVT, JMJB); [UG8407] 05/10/11: 1Ad (FVT, JMJB); [UG4511] 09/10/11: 1Ad (JAMB, JMJB); [UF3453] 11/10/11: 3Ad (JMJB); [UF5351] 08/11/11: Ad (JMJB); [UG3601] 13/11/11: 1Ad (FVT, JRL); [UF5648] 26/11/11: Ad (JMJB); [UF4356] 11/12/11: 1♀ (JRR); [UF3850] 18/12/11: Ad (JMJB); [UF5551] 20/12/11: Ad (JMJB); [UF4551] 29/1/12: 1♂ (FSG, JRR); [UF5791] 11/7/12: 1♂ (JMJB); [UF4054] 27/7/12: 1♀ (JMJB, JRR, OG); [TF8551] 25/9/12: 1♂ (FSG, JMJB); [UF4448] 30/9/12: 1♂ (JMJB); [UF5455] 29/10/12: 1♀ (JMJB); [UF5351] 11/11/12: 1♂ (JMJB); [UF2543] 14/11/12: 1♂ (FSG, JMJB); [UF5052] 27/11/12: 1♂ (FSG, JMJB). Cuadrículas 10x10: 19 cuadrículas (12 nuevas).

**Bibliografía:** ROSENHAUER 1856; CONESA-GARCÍA 1983; CONESA-GARCÍA 1985c; CONESA-GARCÍA 1986; JÖDICKE 1996; CANO-VILLEGAS & CONESA-GARCÍA 2009a; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 14.

***Trithemis annulata* (Palisot de Beauvois, 1807)**

**Citas:** [UF6959] 16/9/05: 1Ad (PW); [UF6350] 22/6/07: 3Ad (PW); [UF5757] 07/7/07: Ad (JARB, JMJB); [UF3483] 26/9/07: 10Ad (PW); [UF6350] 26/6/08: 1Ad (PW); [UF6959] 16/6/09: 1♂ (PW); [UF6959] 19/6/09: 1♂ (PW); [UF6959] 22/6/09: 2♂ (PW); [UF6959] 23/6/09: 2♂ (PW); [UF6350] 25/6/09: 3♂ (PW); [UF6959] 23/9/09: 1♂ (PW); [UF6959] 25/9/09: 1♀ (PW); [UF4053] 03/6/10: Ad (JMJB, JRR); [UF4874] 26/6/10: 1Ad (PW); [UF4551] 15/7/10: Ad (JRR); [UF4245] 20/7/10: Ad (JMJB); [UF4965] 06/8/10: Ad (JRR); [UF4965] 07/8/10: Ad (JRR); [UF4551] 10/8/10: Ad (JMJB); [UF4665] 10/8/10: Ad (JRR); [UF3263] 12/8/10: Ad (JMJB, JRR, UBY); [UF4945] 14/8/10: Ad (JMJB); [UF6350] 14/8/10: Ad (JMJB); [UF2654] 15/8/10: Ad (JARB, JMJB); [UF4443]

16/8/10: Ad (JARB, JMMB); [UF4745] 16/8/10: Ad (JARB, JMMB); [UF4965] 17/8/10: 20Ad (JMMB, JRR); [UF4860] 17/8/10: Ad (JMMB, JRR); [UF5648] 20/8/10: Ad (JMMB); [UF1546] 21/8/10: Ad (JMMB, JRR); [UF5245] 23/8/10: Ad (JMMB); [UF4443] 26/8/10: 20Ad (JMMB); [UF4841] 26/8/10: Ad (JMMB); [UF0641] 28/8/10: Ad (JMMB, JRR); [UF0738] 28/8/10: Ad (JMMB, JRR); [UF2040] 28/8/10: 10Ad (JMMB, JRR); [TF9442] 30/8/10: Ad (JMMB, JRR); [UF3382] 02/9/10: Ad (JMMB, JRR); [UF2654] 05/9/10: Ad (JJO, JMMB, JRR); [UF4665] 09/9/10: Ad (JRR); [UF7176] 14/9/10: Ad (JMMB, JRR); [UF4665] 16/9/10: Ad (JRR); [UF4874] 19/9/10: 12Ad (PW); [UF4874] 21/9/10: 10Ad (PW); [UF4874] 24/9/10: 1♀10Ad (PW); [UF3483] 25/9/10: 5Ad (PW); [UF7070] 25/9/10: Ad (JMMB, JRR); [UF5443] 28/9/10: Ad (JMMB, JRR, UBY); [UF4443] 28/9/10: Ad (JMMB, JRR, UBY); [UF4356] 30/9/10: Ad (JMMB, MLC); [TF9730] 02/10/10: Ad (JAMB, JMMB, JRR); [UF5146] 03/10/10: Ad (JAMB, JMMB); [UF6167] 05/10/10: Ad (JMMB, JRR); [UF6052] 06/10/10: Ad (JMMB); [UF2040] 07/10/10: Ad (JAMB, JMMB, JRR); [UF4356] 10/10/10: Ad (JRR); [UF5457] 10/10/10: Ad (JMMB); [UF2467] 12/10/10: Ad (JAMB, JMMB); [UF4741] 14/10/10: Ad (JMMB); [UF4551] 17/10/10: Ad (JJO, JRR); [UF3798] 19/10/10: Ad (JMMB, JRR); [UF5146] 20/10/10: Ad (JMMB); [UF4041] 23/10/10: Ad (JMMB); [UF4874] 10/6/11: 5♂ (PW); [UF4671] 10/6/11: 2♂ (PW); [UF6959] 11/6/11: 4♂ (PW); [UF6959] 15/6/11: 3♂ (PW); [UF3483] 16/6/11: 1♂ (PW); [UF4874] 17/6/11: 1♂ (PW); [UF4768] 18/6/11: 5♂ (PW); [UF4874] 18/6/11: 12♂ (PW); [UF4874] 19/6/11: 2♂ (PW); [UF6959] 21/6/11: 1♂ (PW); [UF3294] 22/6/11: 2♂1♀ (PW); [UF4874] 23/6/11: 11♂ (PW); [UF4874] 25/6/11: 3♂ (PW); [UF5457] 27/6/11: Ad (JRR, PC); [UF6060] 28/6/11: Ad (JRR, PC); [UF6166] 30/6/11: Ad (FJCV, JRR); [UF4551] 20/7/11: Ad (JRR, JS); [UF4356] 20/7/11: ♂♀ (JRR, JS); [UF1645] 26/7/11: ♂♀ (FVT, JRR); [UF1645] 26/7/11: 6Ad (FVT, JRR); [UF1745] 26/7/11: Ad ♂presencia ♀ (FVT, JRR); [UF3976] 27/7/11: Ad (JMMB); [UF4175] 27/7/11: Ad (JMMB); [UF4374] 27/7/11: Ad (JMMB); [UF2343] 03/8/11: 6Ad (FVT); [UF2443] 03/8/11: 10Ad (FVT); [UF4860] 08/8/11: 1♂ (JRR); [UF4551] 10/8/11: 6♂2♀ (FSG, JRR, JS); [UF6167] 23/8/11: 10Ad (FVT, JRL); [UF4090] 06/9/11: Ad (JRL); [UF5546] 13/9/11: 10Ad (FVT); [UF4356] 17/9/11: Ad (JMMB); [UF4471] 18/9/11: 1♂ (PW); [UF4385] 19/9/11: 4♂ (PW); [UF3989] 19/9/11: 2♂ (PW); [UF4874] 20/9/11: 16♂3♀ (PW); [UF6959] 20/9/11: 1♂1Ad (PW); [UF4191] 23/9/11: 1Ad (PW); [UF4874] 24/9/11: 28♂2♀ (PW); [UF3741] 26/9/11: 3Ad (FVT); [UF4339] 28/9/11: Ad (JMMB); [UG8307] 05/10/11: 1Ad (FVT, JMMB); [UG8407] 05/10/11: 1Ad (FVT, JMMB); [UG4919] 09/10/11: 1Ad (JAMB, JMMB); [UF3453] 11/10/11: 3Ad (JMMB); [UF6959] 15/10/11: 3Ad (JMMB); [UF4447] 04/12/11: (JMMB); [UF4549] 26/5/12: Ad ♂ (JMMB); [UF4356] 09/6/12: Ad (JRR); [UF4551] 09/6/12: 1♂2♀ (JRR); [UF4361] 21/6/12: 3♂ (JRR); [UF4665] 21/6/12: 2♂ (JRR); [UF4965] 21/6/12: 1♂ (JRR); [UF4860] 21/6/12: 1♂ (JRR); [UF4548] 30/6/12: Ad ♂ (JMMB); [UF4860] 31/7/12: 1♂ (JRR); [UF4665] 31/7/12: 2♂ (JRR); [UF4965] 31/7/12: 1♂ (JRR); [UF4361] 31/7/12: 2♂ (JRR); [UF4551] 08/8/12: 3♂1♀ (FVT, JRR); [UF4063] 08/8/12: 1♂1♀presencia Ex (FVT, JRR); [UF4063] 18/8/12: Ad (JRR, OG); [UF4163] 18/8/12: Ad (JRR, OG); [UF4363] 18/8/12: Ad (JRR, OG); [UF4443] 27/8/12: 1♂ (JMMB); [UF6350] 29/8/12: 1♂ (FSG, JMMB); [UF4551] 25/9/12: 2♂ (JRR); [UF4548] 30/9/12: Ad ♂ (JMMB); [UF4664] 03/10/12: ♂♀ (FSG, JMMB, JRR). Cuadrículas 10x10: 28 cuadrículas (14 nuevas).

**Bibliografía:** CONESA-GARCÍA 1985c; JÖDICKE 1996; CANO-VILLEGAS 2003; CHELMICK & PICKESS 2008; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 21.

***Trithemis kirbyi* Selys, 1891**

**Citas:** [UF4245] 10/8/08: Ad (JMMB, UBY); [UF2654] 08/8/09: Ad (JMMB); [UF4665] 08/5/10: Ad (JMMB, JRR); [UF5850] 14/5/10: Ad (JMMB); [UF4279] 15/6/10: 1♂ (PW); [UF4279] 19/6/10: 1♂ (PW); [UF4874] 26/6/10: 5Ad (PW); [UF4551] 15/7/10: Ad (JRR); [UF4245] 20/7/10: Ad (JMMB); [UF4965] 06/8/10: Ad (JRR); [UF4965] 07/8/10: Ad (JRR); [UF4356] 10/8/10: Ad (JMMB); [UF4665] 10/8/10: Ad (JRR); [UF4551] 10/8/10: 10Ad (JMMB); [UF3263] 12/8/10: Ad (JMMB, JRR, UBY); [UF5241] 13/8/10: Ad (JMMB); [UF6350] 14/8/10: 10Ad (JMMB); [UF6554] 14/8/10: Ad (JMMB); [UF4945] 14/8/10: Ad (JMMB); [UF2543] 15/8/10: Ad (JARB, JMMB); [UF2654] 15/8/10: Ad (JARB, JMMB); [UF4965] 17/8/10: Ad (JMMB, JRR); [UF1546] 21/8/10: Ad (JMMB, JRR); [UF4443] 26/8/10: Ad (JMMB); [UF0641] 28/8/10: Ad (JMMB, JRR); [UF0738] 28/8/10: Ad (JMMB, JRR); [UF2040] 28/8/10: Ad (JMMB, JRR); [TF9442] 30/8/10: Ad (JMMB, JRR); [UF3382] 02/9/10: Ad (JMMB, JRR); [UF2654] 05/9/10: Ad (JJO, JMMB, JRR); [UF4665] 09/9/10: Ad (JRR); [UF7176] 14/9/10: Ad (JMMB, JRR); [UF6959] 18/9/10: 2♂ (PW); [UF3294] 21/9/10: 3Ad (PW); [UF5443] 28/9/10: Ad (JMMB, JRR, UBY); [TF9730] 02/10/10: Ad (JAMB, JMMB, JRR); [UF2543] 02/10/10: Ad (JAMB, JMMB, JRR); [UF6167] 05/10/10: Ad (JMMB, JRR); [UF6052] 06/10/10: Ad (JMMB); [UF2040] 07/10/10: Ad (JAMB, JMMB, JRR); [UF5457] 10/10/10: Ad (JMMB); [UF2467] 12/10/10: Ad (JAMB, JMMB); [UF4741] 14/10/10: Ad (JMMB); [UF4551] 17/10/10: Ad (JJO, JRR); [UF4041] 23/10/10: Ad (JMMB); [UF5251] 07/4/11: Ad (JMMB); [UF5448] 05/5/11: Ad (JMMB); [UF5352] 24/5/11: Ad (JMMB); [UF4874] 10/6/11: 2♂ (PW); [UF4671] 10/6/11: 1♂ (PW); [UF5553] 11/6/11: Ad (JAMB, JMMB); [UF4874] 17/6/11: 1Ad (PW); [UF4768] 18/6/11: 1♂ (PW); [UF4874] 18/6/11: 6♂ (PW); [UF4874] 19/6/11: 2♂ (PW); [UF3294] 22/6/11: 3♂ (PW); [UF4874] 23/6/11: 2♂ (PW); [UF6166] 30/6/11: Ad (FJCV, JRR); [UF4551] 20/7/11: Ad (JRR, JS); [UF3044] 25/7/11: 1Ad (FVT); [UF1645] 26/7/11: 1♂3♀ (FVT, JRR); [UF1645] 26/7/11: 3Ad (FVT, JRR); [UF1745] 26/7/11: 1♂ (FVT, JRR); [UF5370] 27/7/11: Ad (JMMB); [UF3976] 27/7/11: Ad (JMMB); [UF4175] 27/7/11: Ad (JMMB); [UF4374] 27/7/11: Ad (JMMB); [UF2343] 03/8/11: 3Ad (FVT); [UF2443] 03/8/11: 20Ad (FVT); [UF4860] 08/8/11: 2Ad (JRR); [UF4551] 10/8/11: 10♂4♀ (FSG, JRR, JS); [UF4339] 15/8/11: Ad (JMMB); [UF5241] 17/8/11: Ad (JMMB); [UF6167] 23/8/11: 10Ad (FVT, JRL); [UF5546] 13/9/11: 3Ad (FVT); [UF5350] 14/9/11: Ad (JMMB); [UF5448] 14/9/11: Ad (JMMB); [UF3044] 15/9/11: 1Ad (FVT); [UF4356] 17/9/11: Ad (JMMB); [UF6959] 17/9/11: 1♂ (PW); [UF5658] 17/9/11: Ad (JMMB); [UF4471] 18/9/11: 5♂ (PW); [UF4385] 19/9/11: 1♂ (PW); [UF6857] 20/9/11: 2♂ (PW); [UF6959] 20/9/11: 1♂ (PW); [UF4874] 20/9/11: 2♂ (PW); [UF4471] 22/9/11: 1♂ (PW); [UF6857] 22/9/11: 4♂ (PW); [UF4678] 23/9/11: 1♂ (PW); [UF4874] 24/9/11: 9♂ (PW); [UF6857] 24/9/11: 6♂1♀ (PW); [UF3741] 26/9/11: 6Ad (FVT); [UF4339] 28/9/11: Ad (JMMB); [UF3044] 08/10/11: 10Ad (FVT); [UF6959] 15/10/11: 3Ad (JMMB); [UF4746] 04/12/11: (JMMB); [UF4549] 26/5/12: Ad ♂ (JMMB); [UF4551] 09/6/12: Ad ♂1♀ (JRR); [UF4356] 09/6/12: Ad (JRR); [UF4665] 21/6/12: 1♂ (JRR); [UF4361] 21/6/12: 2♂ (JRR); [UF4548] 30/6/12: Ad ♂ (JMMB); [UF4665] 31/7/12: 2♂1♀ (JRR); [UF4860] 31/7/12: 1♂ (JRR); [VF2172] 07/8/12: ♂♀ (JMMB); [UF4551] 08/8/12: 3♂ (FVT, JRR); [UF4063] 08/8/12: 3♂1♀presencia Ex (FVT, JRR); [UF4363] 18/8/12: Ad (JRR, OG); [UF4163] 18/8/12: Ad (JRR, OG); [UF4063] 18/8/12: Ad (JRR, OG); [UF4548] 27/8/12: ♂♀ (JMMB); [UF6350] 29/8/12: 1♂ (FSG, JMMB); [UF4245] 14/9/12: ♂♀ (JMMB);



[UF4548] 23/9/12: ♂♀ (JAMB, JMMB); [UF4551] 25/9/12: 4♂ (JRR); [UF4448] 30/9/12: 1♂ (JMMB); [UF4548] 30/9/12: Ad, ♂ (JMMB); [UF4664] 03/10/12: 2♂ (FSG, JMMB, JRR); [UF4447] 21/10/12: 1♂ (JMMB). Cuadrículas 10x10: 26 cuadrículas (9 nuevas).

**Bibliografía:** CHELMICK & PICKESS 2008; CANO-VILLEGAS & CONESA-GARCÍA 2009b; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 25.

### ***Zygonyx torridus* (Kirby, 1889)**

**Citas:** [UF2654] 08/8/09: Ad (JMMB); [UF4245] 20/7/10: 10Ad (JMMB); [UF4551] 10/8/10: Ad (JMMB); [UF3263] 12/8/10: Ad (JMMB, JRR, UBY); [UF4945] 14/8/10: Ad (JMMB); [UF2654] 15/8/10: Ad (JARB, JMMB); [UF1546] 21/8/10: Ad (JMMB, JRR); [TF9442] 30/8/10: 1♂1♀Ad (JMMB, JRR); [UF2654] 05/9/10: Ad (JJO, JMMB, JRR); [TF9730] 02/10/10: Ad (JAMB, JMMB, JRR); [TF9729] 02/10/10: Ad (JAMB, JMMB, JRR); [UF5452] 11/6/11: Ad (JAMB, JMMB); [UF4874] 15/6/11: 1♂ (PW); [UF4551] 20/7/11: Ad (JRR, JS); [UF1645] 26/7/11: 10Ad (FVT, JRR); [UF1645] 26/7/11: 10Ad (FVT, JRR); [UF1745] 26/7/11: 5Ad (FVT, JRR); [UF4175] 27/7/11: Ad (JMMB); [UF3976] 27/7/11: Ad (JMMB); [UF2540] 03/8/11: 3Ad (FVT); [UF2343] 03/8/11: 1Ad (FVT); [UF4860] 08/8/11: 1Ad (JRR); [UF4551] 10/8/11: Ad (FSG, JRR, JS); [UF5241] 17/8/11: Ad (JMMB); [UF4551] 09/6/12: 1Ad (JRR); [UF4548] 30/6/12: Ad (JMMB); [UF3263] 17/7/12: 3Ad, presencia Ex (JRR, MdH); [VF2172] 07/8/12: ♂♀ (JMMB); [UF4551] 08/8/12: 3Ad (FVT, JRR); [UF4548] 27/8/12: 1Ad (JMMB). Cuadrículas 10x10: 15 cuadrículas (6 nuevas).

**Bibliografía:** CONESA-GARCÍA 1983; CANO-VILLEGAS 2003; KUNZ *et al.* 2006; VERDÚ *et al.* 2011; PRUNIER *et al.* 2012; ROLA 2013. Cuadrículas 10x10: 12.

Tabla 1: Frecuencia detectada de los odonatos en la provincia de Málaga (número de cuadrículas 1x1 con presencia de la especie). (Fuente: este estudio, bibliografía, citas inéditas en BDD ROLA ).

Familia	Especie	<1980	1980'	1990'	2000'	2010-2012	cuad. 10x10
<i>Calopterygidae</i>	<i>Calopteryx haemorrhoidalis</i>	4	36	2	68	105	43
	<i>Calopteryx virgo</i>	1	-	-	1	-	3
	<i>Calopteryx xanthostoma</i>	-	-	1	3	3	4
<i>Lestidae</i>	<i>Chalcolestes viridis</i>	-	10	-	9	25	21
	<i>Lestes barbarus</i>	8	14	-	2	3	8
	<i>Lestes macrostigma</i>	4	4	1	3	-	3
	<i>Lestes virens</i>	-	-	-	1	4	5
	<i>Sympecma fusca</i>	2	4	1	8	7	14
<i>Platynemididae</i>	<i>Platynemis acutipennis</i>	2	2	1	26	10	15
	<i>Platynemis latipes</i>	1	35	1	28	92	36
<i>Coenagrionidae</i>	<i>Ceriagrion tenellum</i>	2	1	-	-	-	3
	<i>Coenagrion caerulescens</i>	-	15	1	-	-	3
	<i>Coenagrion mercuriale</i>	1	-	-	-	-	1
	<i>Coenagrion scitulum</i>	-	9	-	-	-	3
	<i>Enallagma cyathigerum</i>	4	9	1	3	18	10
	<i>Erythromma lindenii</i>	4	12	-	40	56	24
	<i>Erythromma viridulum</i>	1	23	-	2	4	8
	<i>Ischnura elegans</i>	-	-	-	1	-	2
	<i>Ischnura graellsii</i>	17	109	9	53	165	43
	<i>Pyrrhosoma nymphula</i>	6	13	-	3	-	9
<i>Aeshnidae</i>	<i>Aeshna cyanea</i>	1	3	-	3	10	10
	<i>Aeshna mixta</i>	-	9	1	13	51	31
	<i>Anax ephippiger</i>	-	4	-	7	26	21
	<i>Anax imperator</i>	8	42	4	61	159	54
	<i>Anax parthenope</i>	2	19	5	23	84	28
	<i>Boyeria irene</i>	2	5	1	55	70	31
<i>Gomphidae</i>	<i>Gomphus graslinii</i>	-	-	-	31	20	7
	<i>Gomphus pulchellus</i>	4	2	-	8	9	11
	<i>Gomphus simillimus</i>	-	5	1	29	15	13
	<i>Onychogomphus costae</i>	-	-	-	5	-	3
	<i>Onychogomphus forcipatus</i>	3	1	2	49	74	29

Familia	Especie	<1980	1980'	1990'	2000'	2010-2012	cuad. 10x10
Gomphidae	<i>Onychogomphus uncutus</i>	2	10	-	40	54	28
	<i>Paragomphus genei</i>	-	-	-	2	-	1
Cordulegasteridae	<i>Cordulegaster boltonii</i>	3	5	3	24	48	33
Corduliidae	<i>Macromia splendens</i>	-	-	-	36	14	7
	<i>Oxygastra curtisii</i>	1	-	-	52	34	18
Macrodiplactidae	<i>Selysiothemis nigra</i>	1	13	-	2	4	3
Libellulidae	<i>Brachythemis impartita</i>	2	29	-	14	17	10
	<i>Crocothemis erythraea</i>	11	68	5	40	136	37
	<i>Diplacodes lefebvrei</i>	-	28	-	-	12	7
	<i>Libellula depressa</i>	3	1	-	2	4	6
	<i>Orthetrum brunneum</i>	2	3	1	3	19	17
	<i>Orthetrum cancellatum</i>	10	21	1	8	34	17
	<i>Orthetrum chrysostigma</i>	3	19	4	34	133	41
	<i>Orthetrum coerulescens</i>	1	8	1	9	38	22
	<i>Orthetrum nitidinerve</i>	3	7	1	-	-	3
	<i>Orthetrum trinacria</i>	-	-	-	3	26	7
	<i>Sympetrum fonscolombii</i>	12	52	3	83	150	53
	<i>Sympetrum meridionale</i>	2	4	1	2	6	12
	<i>Sympetrum sanguineum</i>	-	11	-	-	-	2
	<i>Sympetrum sinaiticum</i>	-	1	-	1	15	12
	<i>Sympetrum striolatum</i>	10	12	-	15	33	30
	<i>Trithemis annulata</i>	3	5	-	46	173	37
	<i>Trithemis kirbyi</i>	-	-	-	21	178	34
	<i>Zygonyx torridus</i>	-	4	-	12	52	18
TOTALES	Número de citas	147	697	52	986	2201	
	Número de especies	37	44	24	49	44	

## Discusión

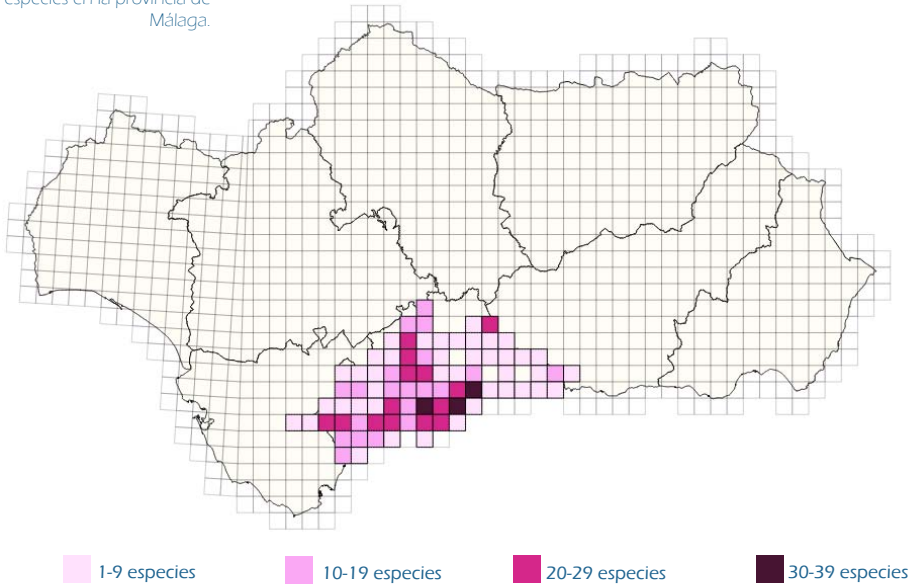
Del presente trabajo, cabe destacar la observación de dos nuevas especies no citadas con anterioridad, *O. costae* y *P. genei*, así como la ampliación en la distribución de buena parte de los odonatos tratados, destacando en este aspecto especies poco citadas hasta la fecha: *C. viridis*, *A. mixta*, *A. cyanea*, *A. ephippiger*, *C. boltonii*, *O. trinacria*, *S. meridionale* y *S. sinaiticum*.

Por otro lado, se hace necesario confirmar y ampliar la distribución de especies citadas en la provincia pero no observadas en el presente trabajo como son *C. virgo*, *L. macrostigma*, *I. elegans*, *C. mercuriale*, *C. scitulum*, *C. caerulescens*, *C. tenellum* y *O. nitidinerve*. *C. virgo* fue avistada en varias ocasiones pero no ha podido ser incluida al carecer de fecha y localidad concreta (O.G. com. pers.) y se conoce una cita inédita del año 2013 (JMMB). *L. macrostigma* e *I. elegans* son especies para las cuales existen observaciones recientes en la bibliografía. En el caso de *O. nitidinerve*, cabe destacar su presencia en un entorno sevillano cercano a la provincia de Málaga (JMMB). Llama la atención la escasez de observaciones de las tres especies de *Coenagrionidae* típicamente mediterráneas y que la única observación de *C. mercuriale* remonta al siglo XIX.

El mapa de riqueza (fig. 2) permite comprobar dónde es prioritario muestrear en la provincia. Existen áreas escasamente estudiadas en los extremos septentrional, occidental y oriental en los que será necesaria la prospección y muestreo de diversos hábitats propicios para estas especies, la mayoría asociadas a arroyos estacionales y ríos. Las cabeceras de los ríos de Sierra Bermeja y la cuenca del río Guadiaro y su afluente, el río Genal, dado su buen estado de conservación, presentan ambientes muy adecuados para la observación de odonatos. La cuenca del río Genal, aunque poco visitada por los autores, ha sido bien estudiada por David Chelmick en los últimos años. Asimismo, el río Guadalhorce en su recorrido más septentrional y las cuencas hidrográficas situadas más al este como las del río Chillar, aunque muy estacionales, tienen capacidad para albergar mucha más riqueza de especies que la detectada. Por otro lado, los medios lénticos, bien representados en la

provincia por la gran cantidad de charcas temporales y lagunas localizadas principalmente en la depresión antequerana, han sido mejor estudiados a lo largo de la historia que por nosotros y albergan especies especialmente interesantes por su escasa distribución a nivel andaluz (CONESA-GARCÍA 1985; CANO & CONESA 2009).

Figura 2: Riqueza de especies en la provincia de Málaga.



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### **Contribución al conocimiento de los odonatos (Odonata) de la provincia de Málaga (España).**

José Manuel Moreno-Benítez, Javier Ripoll Rodríguez, Francisco de Erit Vázquez Toro & Paul Winter

**Palabras Claves:** Faunística, Odonata, Málaga, Andalucía

### **Contribution to the knowledge of dragonflies in the province of Malaga (Spain).**

**Keywords:** Faunistic, Odonata, Malaga, Andalusia