

**Table S1** – Records of *Astrospartus mediterraneus* for the Atlantic Ocean and the Mediterranean Sea, obtained from the scientific literature. Citations indicated with \* are included in Zibrowius, H. 1978b. Nouvelles observations de l'ophiure gorgonocéphale *Astrospartus mediterraneus* sur la côte méditerranéenne de France. Bibliographie annotée et répartition. Trav. Sci. Parc Nation. Port Cros, 4, 157-169. <http://pascal-francis.inist.fr/vibad/index.php?>

Locality	Latitude	Longitude	Reference
<i>West Africa</i>			
Banc Conception, Agadir Bay	---	---	Belloc, 1933*
From Cap Vert, Senegal to Cap Spartel	---	---	Belloc, 1933*
Cap Ghir	---	---	Stiasny, 1940
Morocco coast	---	---	Mortensen, 1925*; Tortonese, 1985*
Arcila Morocco	35.476	6.0635	Madsen, 1970*
W Sahara coast	22.000	-17.233	Anodon, 1977*
Cap Blanc	21.079	-17.134	Mortensen, 1925; Tortonese, 1965*; Anodon, 1977*
Senegal	14.081	-17.591	Cadenat, 1938*
Senegal	13.716	-17.383	Madsen, 1970*
Gambie	13.233	-17.508	Cadenat, 1938*
Sierra Leone	---	---	Longhurst, 1958*
Abidjan	---	---	Tomazi, 1967*
Accra	---	---	Buchanan, 1958*
Angola	---	---	Cherbonnier, 1962*
<i>Portugal</i>			
Olhao (Ilha da Culatra)	---	---	Nobre, 1938*
Lagos	37.003	-8.703	Boavida et al., 2016b
Lagos-Portimao	37.097	-8.660	Boavida et al., 2016 a
Cabo São Vicente	37.018	-9.073	Peres, 1959*
São Vicente submarine Canyon	37.184	-9.116	Oliveira et al., 2015
Baie de Setubal	---	---	Greeff, 1882*
Setubal	---	---	Nobre, 1903*, 1909*, 1931*, 1938*
Buarcos	---	---	Nobre, 1909*, 1938*
Portugal	---	---	Tortonese, 1965*, 1985*
Matozinhos	---	---	Nobre, 1938*
<i>Alboran Sea</i>			

Parque Natural del Estrecho	36.004	-5.594	Peláez, 2005
Malaga	---	---	Rivera Gallo, 1927*
Chella - Seco de los Olivos Bank	36.524	-2.845	Würtz & Rovere, 2015
Seco de los Olivos Seamount	---	---	de la Torriente et al., 2020
Almeria	---	---	Rodriguez & Ibanez, 1976*
<i>South-West Mediterranean Sea</i>			
Castiglione	---	---	Seurat, 1932*
Castiglione Bay	---	---	Dieuzeide, 1950*
Castiglione	---	---	Tortonese, 1965*
Oran Gulf	36.133	-1.133	Pallary, 1900*
Sidi Medjdoub region	---	---	Benzait, 2019
Chenoua	---	---	Seurat, 1932*
W d'Oran "Tanche"	35.650	-1.066	Ranson, 1925b*
Arzew Gulf	---	---	Seurat, 1932*
Tanche, Côte Est de Tunisie, devant Sousse	35.983	-1.153	Ranson, 1925a*; 1925b*
Plane Island	37.180	10.328	Hussein et al., 2019
Kuriat Island	35.500	11.100	Cherbonnier, 1956*
Kelibia	36.834	11.113	Chammem et al., 2019
Tripoli	32.953	13.235	Fitori et al., 2022
<i>Catalan Sea</i>			
Blanes	---	---	Aranda y Millan, 1908*
Blanes Canyon	41.671	2.860	Pérez-Portela et al., 2016
La Fonera Submarine Canyon Head	---	---	Lastras, 2016
<i>Lion Gulf</i>			
Lion Gulf, several sites	---	---	Fabri, 2014
Parc National Port-Cros	---	---	Zibrowius, 1978b
Gabinière Island	---	---	Zibrowius, 1978b
Guille, Banyuls	---	---	Cherronnier & Guille, 1967
Cap Béar, Banyuls	---	---	Cherronnier & Guille, 1967
Le Lavandou	---	---	Zibrowius, 1978a
Canyon des Stoechades	---	---	Zibrowius, 1978a

Baie de Banyuls	---	---	Cherronnier & Guille, 1967
Cap l'Abeille	---	---	Laubier, 1966*; Cherronnier & Guille, 1967
Cap de Creus	42.516	3.883	Montasell Bartrés, 2020; Santin et al., 2022
Cap de Creus Canyon	42.916	3.300	Lastras et al., 2007
Cap Caveau, Frioul Island	43.261	5.287	Belloni et al., 2019
Cap Morgiou			Zibrowius, 1978b
Marseille	---	---	Zibrowius, 1978b; Perseke et al., 2010; Pedel & Fabri, 2011
Cassidaigne Canyon	43.112	5.460	Fabri et al., 2014
<hr/> <i>Ligurian Sea</i> <hr/>			
NNE of Saint-Tropez Cape	---	---	Fredj, 1964*
St Julien, St Tropez Gulf	---	---	Harmelin et al., 1990
Le Dramont	43.429	6.907	Giusti et al., 2019
Iles des Lerins, Cannes	---	---	Rondelet, 1554*
Nice	---	---	Risso, 1826*; Fredj, 1964*; Carus, 1885*; Doderlein, 1911*; Clark, 1915*; Tortonese, 1934*, 1965*
Provence	---	---	Koehler, 1924*; Vaissière & Carpine, 1964; Vaissière & Fredj, 1964
Est d'Agay Provence	43.693	7.261	Carpine, 1964*
Villefrance	---	---	Fredj, 1964*; Tortonese, 1965*
Beaulieu, Monaco	---	---	Tortonese, 1951, 1965*
Bordighera	43.770	7.678	Giusti et al., 2019
Sanremo	---	---	Chimienti, 2020
Arma di Taggia	43.801	7.897	Giusti et al., 2019
Ligurian Sea	---	---	Verany, 1846*
Monterosso	---	---	Tortonese, 1935*, 1951*, 1965*
Est & West Liguria (several stations)	---	---	Enrichetti et al., 2019
<hr/> <i>Tyrrhenian Sea</i> <hr/>			
Tyrrhenian Sea	---	---	Angiolillo et al., 2015, 2021
Caprera Canyon	41.656	9.655	Moccia et al., 2021
Tavolara Canyon	41.085	10.034	Moccia et al., 2021
Tavolara MPA	---	---	Canessa et al., 2022a, b;
Cala Gonone Canyon	41.216	10.131	Moccia et al., 2021
Arbatax Canyon	40.103	10.450	Moccia et al., 2021

Picocca Canyon	40.128	10.183	Moccia et al., 2021
Simius Canyon	39.696	10.480	Moccia et al., 2021
San Lorenzo Canyon	40.045	10.531	Moccia et al., 2021
Orosei Canyon	41.116	10.540	Moccia et al., 2021
Mortorio Canyon	41.283	10.681	Moccia et al., 2021
Elba Island	42.683	10.166	Angiolillo et al., 2015
Giglio Island	---	---	Salvati et al., 2019
Monte Argentario	---	---	Innocenti, 2010
Naples	---	---	Agassiz, 1839*; Sars, 1859*; Ludwig, 1879a*; Carus, 1885*; Doderlein, 1911*; Clark, 1915*; Koehler, 1921*, 1924*; Tortonese, 1965*
Salerno	---	---	Tortonese, 1965*
Between Capo Vaticano and Torre di Ioppolo (Dragonara, Grotticella, Aspito	---	---	Capria, 1893*
St. Eufemia Gulf	38.787	16.182	Bo et al., 2012
Sicily	---	---	Delle Chiaje, 1841-1844*; Koehler, 1921*, 1924*; Clark, 1915*
Sicily	---	---	Innocenti, 2010
Sicily	---	---	Greenpeace, 2012
Messina	---	---	Grube, 1840*, Carus, 1885*, Doderlein, 1911*
Milazzo	---	---	Tortonese, 1965*
Palermo	---	---	Grube, 1840*; Ludwig, 1879a*; Carus, 1885*; Doderlein, 1911*
Marettimo Bank	38.151	12.102	Angiolillo et al., 2021
Favignana, Egadi Islands	---	---	Delongueville & Scaillet, 2014
<hr/> <i>Sicily Channel</i> <hr/>			
Sicily Channel	---	---	Consoli et al., 2018; Massi & Titone, 2017
Graham Bank	---	---	Consoli et al., 2021
Ragusa Bank	36.650	14.885	Cattaneo-Vietti et al., 2017
Linosa	35.882	12.854	Romagnoli et al., 2021
Malta	36.193	13.844	Leonard et al., 2020
Malta	36.011	14.070	Leonard et al., 2020
Malta	36.099	14.096	Leonard et al., 2020
Malta	35.512	14.358	Leonard et al., 2020
Benghisa reef, Malta	---	---	Despott, 1930*
Malta	---	---	Tanti & Schembri, 2006; Terribile et al., 2016; Bialik et al., 2022

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<i>Ionian Sea</i>			
Taranto	---	---	Agassiz, 1839*; Doderlein, 1911*
<i>Adriatic Sea</i>			
Adriatic Sea	---	---	Doderlein, 1911*; Zavodnik, 1961*; Tortonese, 1965*
<i>Aegean Sea</i>			
Aegean Sea	---	---	Belloc, 1948; Pancucci-Papadopoulou, 1996; Koukoras et al., 2006

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