

Table S-A01 Sea Surface Temperature (°C) trends in the western Mediterranean Sea (2007-2017)

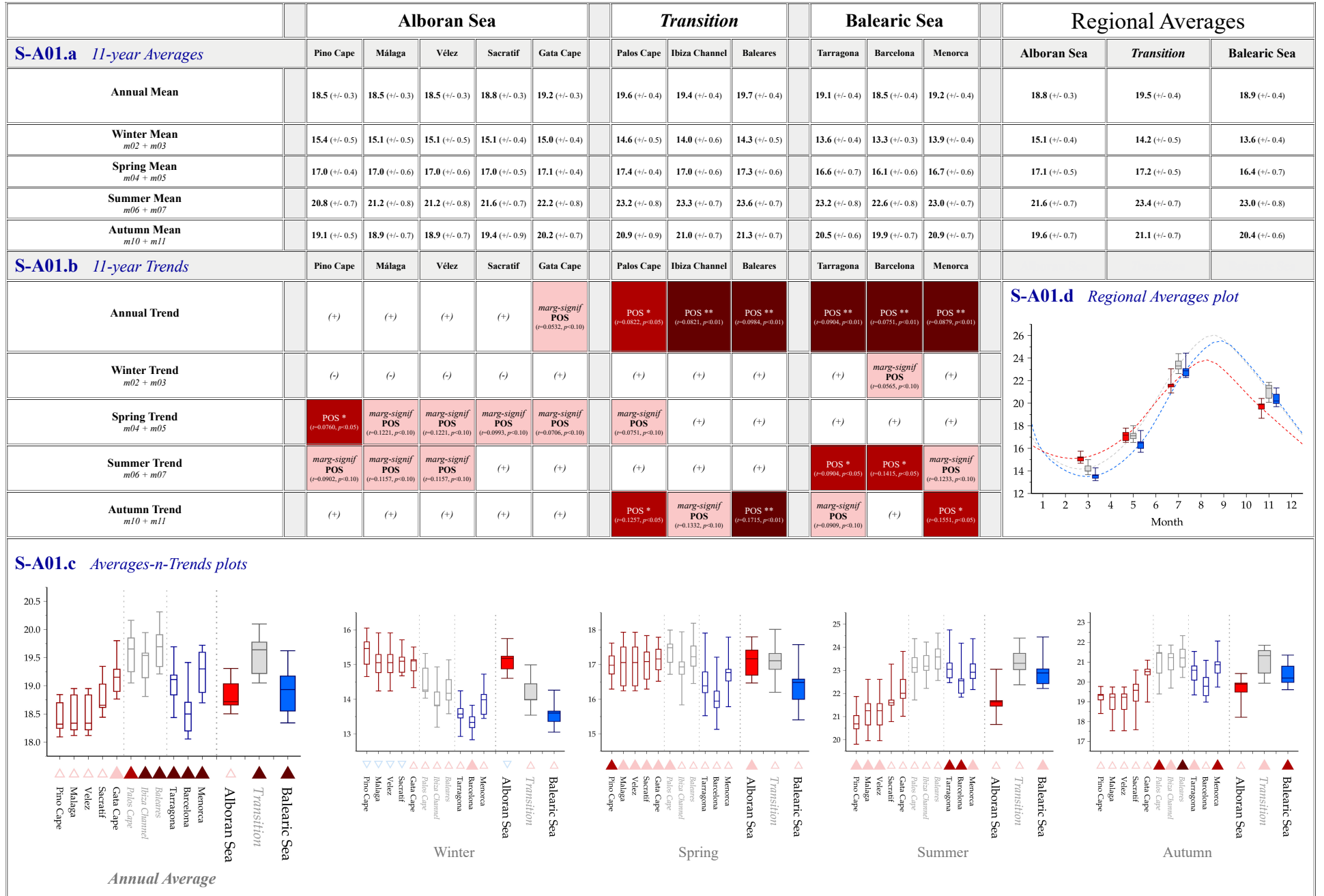


Table S-A02 Surface Salinity trends in the western Mediterranean Sea (2007-2017)

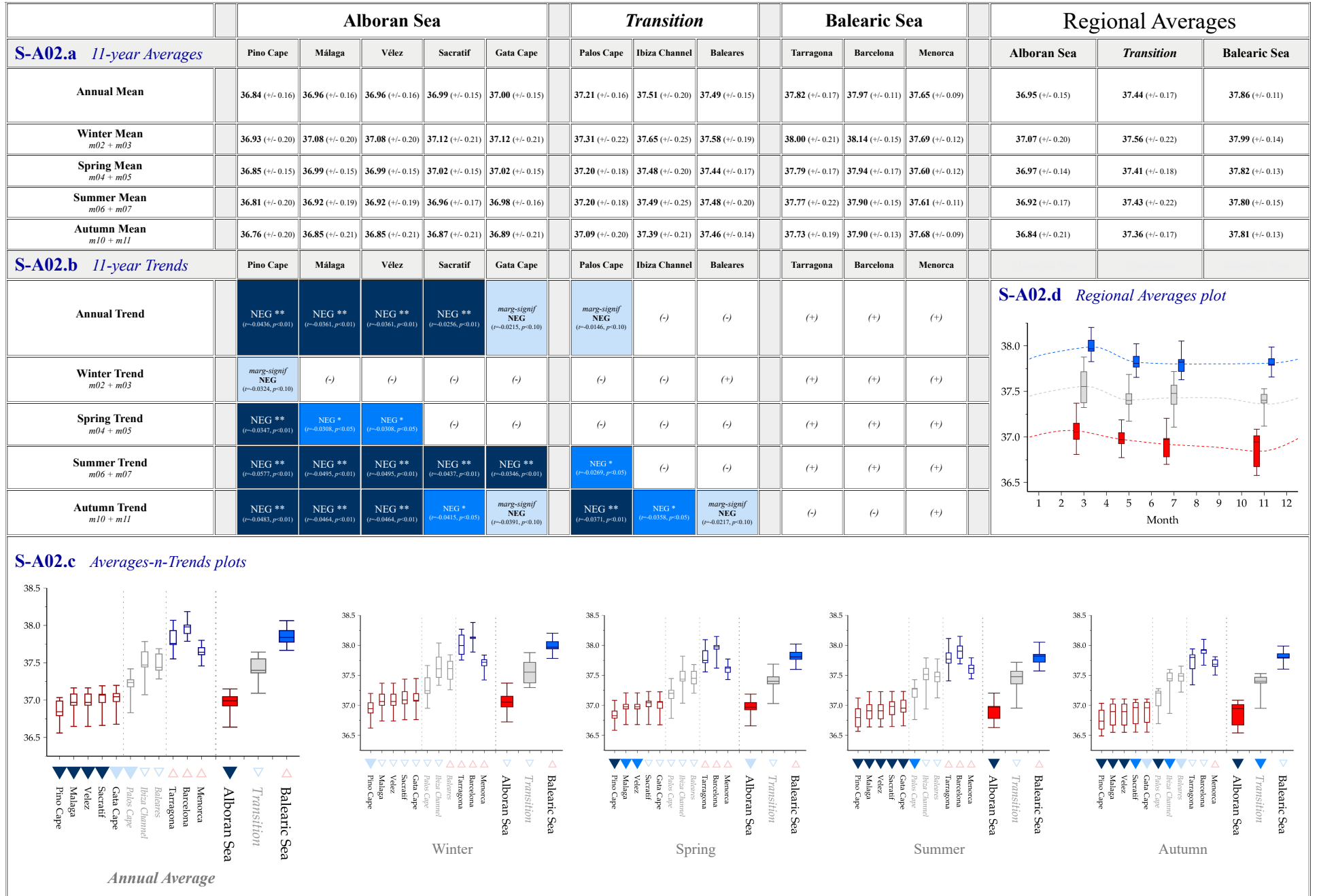


Table S-A03 **Scalar Surface Wind (m s^{-1}) trends in the western Mediterranean Sea (2007-2017)**

		Alboran Sea						<i>Transition</i>				Balearic Sea				Regional Averages		
S-A03.a	11-year Averages	Pino Cape	Málaga	Vélez	Sacratif	Gata Cape		Palos Cape	Ibiza Channel	Baleares		Tarragona	Barcelona	Menorca		Alboran Sea	Transition	Balearic Sea
	Annual Mean	7.3 (+/- 0.4)	7.3 (+/- 0.3)	7.3 (+/- 0.3)	7.6 (+/- 0.4)	7.5 (+/- 0.3)		6.8 (+/- 0.2)	6.4 (+/- 0.3)	6.5 (+/- 0.5)		6.7 (+/- 0.5)	6.0 (+/- 0.3)	7.5 (+/- 0.5)		7.4 (+/- 0.4)	6.5 (+/- 0.3)	6.7 (+/- 0.3)
	Winter Mean m02 + m03	8.6 (+/- 0.7)	8.8 (+/- 0.7)	8.8 (+/- 0.7)	9.5 (+/- 0.9)	8.7 (+/- 0.8)		7.6 (+/- 0.8)	7.3 (+/- 0.9)	7.7 (+/- 1.1)		7.7 (+/- 1.0)	6.5 (+/- 0.5)	9.4 (+/- 1.5)		9.0 (+/- 0.7)	7.5 (+/- 0.7)	7.8 (+/- 0.7)
	Spring Mean m04 + m05	7.4 (+/- 1.0)	7.5 (+/- 1.0)	7.5 (+/- 1.0)	8.1 (+/- 0.8)	8.0 (+/- 0.4)		6.8 (+/- 0.5)	6.1 (+/- 0.8)	6.0 (+/- 0.9)		6.4 (+/- 1.1)	5.7 (+/- 0.8)	7.2 (+/- 0.8)		7.8 (+/- 0.7)	6.2 (+/- 0.7)	6.3 (+/- 0.6)
	Summer Mean m06 + m07	7.0 (+/- 1.0)	6.5 (+/- 0.9)	6.5 (+/- 0.9)	6.2 (+/- 0.4)	6.7 (+/- 0.3)		6.0 (+/- 0.6)	5.6 (+/- 0.7)	5.4 (+/- 0.6)		5.3 (+/- 0.7)	5.2 (+/- 0.7)	5.8 (+/- 0.6)		6.5 (+/- 0.6)	5.6 (+/- 0.5)	5.5 (+/- 0.6)
	Autumn Mean m10 + m11	6.9 (+/- 0.9)	7.0 (+/- 1.0)	7.0 (+/- 1.0)	7.2 (+/- 1.0)	7.1 (+/- 1.0)		6.8 (+/- 0.8)	6.7 (+/- 0.8)	6.6 (+/- 0.7)		7.5 (+/- 1.1)	6.4 (+/- 0.5)	8.1 (+/- 1.1)		7.0 (+/- 0.9)	6.7 (+/- 0.7)	7.3 (+/- 0.6)
S-A03.b	11-year Trends	Pino Cape	Málaga	Vélez	Sacratif	Gata Cape		Palos Cape	Ibiza Channel	Baleares		Tarragona	Barcelona	Menorca				
	Annual Trend	NEG * <small>(r=-0.0064, p=0.05)</small>	NEG * <small>(r=-0.0091, p=0.05)</small>	NEG * <small>(r=-0.0091, p=0.05)</small>	NEG * <small>(r=-0.0092, p=0.05)</small>	(-)		marg-signif NEG <small>(r=-0.0032, p=0.10)</small>	NEG ** <small>(r=-0.0081, p=0.01)</small>	marg-signif NEG <small>(r=-0.0118, p=0.10)</small>		NEG ** <small>(r=-0.0183, p=0.01)</small>	NEG ** <small>(r=-0.0053, p=0.01)</small>	(-)		S-A03.d Regional Averages plot		
	Winter Trend m02 + m03	(+)	(+)	(+)	marg-signif POS <small>(r=0.0079, p=0.10)</small>	(+)		(+)	(+)	(+)		(-)	(+)	(-)				
	Spring Trend m04 + m05	NEG ** <small>(r=-0.0271, p=0.01)</small>	NEG * <small>(r=-0.0249, p=0.05)</small>	NEG * <small>(r=-0.0249, p=0.05)</small>	marg-signif NEG <small>(r=-0.0183, p=0.10)</small>	marg-signif NEG <small>(r=-0.0084, p=0.10)</small>		(-)	(-)	(-)		NEG * <small>(r=-0.0342, p=0.05)</small>	marg-signif NEG <small>(r=-0.0198, p=0.10)</small>	NEG * <small>(r=-0.0227, p=0.05)</small>				
	Summer Trend m06 + m07	marg-signif NEG <small>(r=-0.0274, p=0.10)</small>	NEG * <small>(r=-0.0203, p=0.05)</small>	NEG * <small>(r=-0.0203, p=0.05)</small>	(-)	(-)		(-)	(-)	marg-signif NEG <small>(r=-0.0140, p=0.10)</small>		NEG ** <small>(r=-0.0281, p=0.01)</small>	(-)	(-)				
	Autumn Trend m10 + m11	(-)	(-)	(-)	marg-signif NEG <small>(r=-0.0287, p=0.10)</small>	(-)		marg-signif NEG <small>(r=-0.0156, p=0.10)</small>	NEG * <small>(r=-0.0179, p=0.05)</small>	(-)		NEG * <small>(r=-0.0298, p=0.05)</small>	NEG * <small>(r=-0.0149, p=0.05)</small>	marg-signif NEG <small>(r=-0.0205, p=0.10)</small>				

S-A03.c *Averages-n-Trends plots*

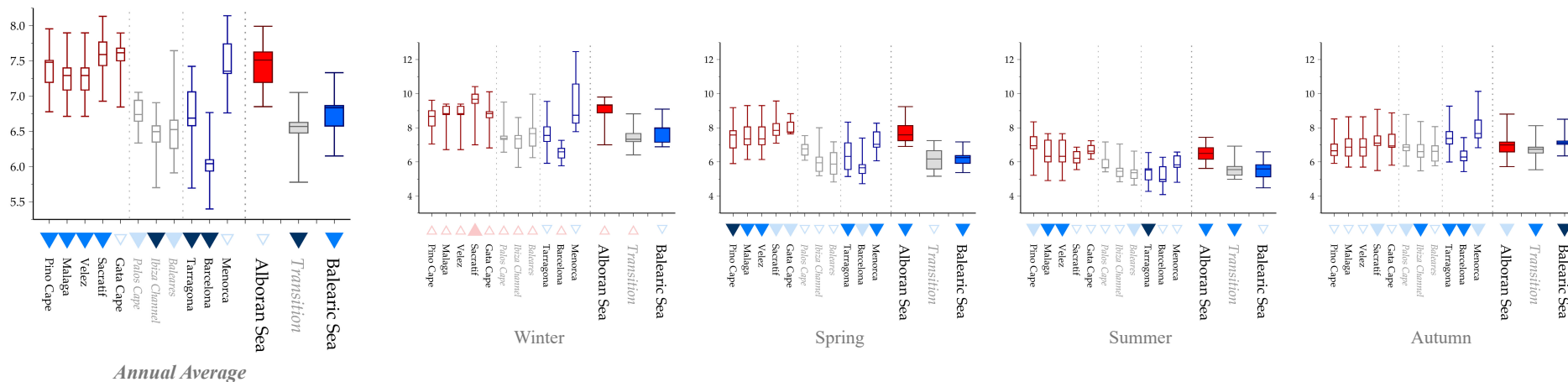


Table S-A04 Satellite Chlorophyll (mg m^{-3}) trends in the western Mediterranean Sea (2007-2017)

		Alboran Sea					Transition			Balearic Sea			Regional Averages		
S-A04.a 11-year Averages		Pino Cape	Málaga	Vélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Balears	Tarragona	Barcelona	Menorca	Alboran Sea	Transition	Balearic Sea
Annual Mean		0.65 (+/- 0.06)	0.82 (+/- 0.13)	0.82 (+/- 0.13)	0.53 (+/- 0.06)	0.41 (+/- 0.06)	0.54 (+/- 0.07)	0.37 (+/- 0.05)	0.21 (+/- 0.03)	0.31 (+/- 0.04)	0.37 (+/- 0.04)	0.23 (+/- 0.03)	0.59 (+/- 0.07)	0.30 (+/- 0.03)	0.31 (+/- 0.03)
Winter Mean <i>m02 + m03</i>		0.76 (+/- 0.10)	1.10 (+/- 0.24)	1.10 (+/- 0.24)	0.76 (+/- 0.14)	0.64 (+/- 0.14)	0.69 (+/- 0.15)	0.56 (+/- 0.10)	0.38 (+/- 0.10)	0.54 (+/- 0.12)	0.60 (+/- 0.11)	0.46 (+/- 0.09)	0.84 (+/- 0.14)	0.48 (+/- 0.09)	0.56 (+/- 0.08)
Spring Mean <i>m04 + m05</i>		0.69 (+/- 0.19)	1.00 (+/- 0.47)	1.00 (+/- 0.47)	0.55 (+/- 0.23)	0.40 (+/- 0.18)	0.50 (+/- 0.11)	0.38 (+/- 0.13)	0.17 (+/- 0.04)	0.31 (+/- 0.09)	0.43 (+/- 0.13)	0.22 (+/- 0.07)	0.63 (+/- 0.25)	0.26 (+/- 0.05)	0.32 (+/- 0.09)
Summer Mean <i>m06 + m07</i>		0.59 (+/- 0.09)	0.57 (+/- 0.22)	0.57 (+/- 0.22)	0.29 (+/- 0.04)	0.19 (+/- 0.02)	0.38 (+/- 0.09)	0.22 (+/- 0.04)	0.11 (+/- 0.02)	0.19 (+/- 0.08)	0.21 (+/- 0.04)	0.11 (+/- 0.02)	0.38 (+/- 0.08)	0.17 (+/- 0.03)	0.16 (+/- 0.03)
Autumn Mean <i>m10 + m11</i>		0.64 (+/- 0.11)	0.76 (+/- 0.19)	0.76 (+/- 0.19)	0.55 (+/- 0.20)	0.37 (+/- 0.09)	0.52 (+/- 0.08)	0.35 (+/- 0.08)	0.18 (+/- 0.01)	0.25 (+/- 0.02)	0.34 (+/- 0.06)	0.18 (+/- 0.02)	0.57 (+/- 0.14)	0.27 (+/- 0.02)	0.25 (+/- 0.02)
S-A04.b 11-year Trends		Pino Cape	Málaga	Vélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Balears	Tarragona	Barcelona	Menorca			
Annual Trend		<i>marg-signif</i> NEG (<i>r</i> =-0.0099, <i>p</i> <0.10)	NEG ** (<i>r</i> =-0.0409, <i>p</i> <0.01)	NEG ** (<i>r</i> =-0.0409, <i>p</i> <0.01)	(-)	(-)	NEG ** (<i>r</i> =-0.0307, <i>p</i> <0.01)	NEG ** (<i>r</i> =-0.0358, <i>p</i> <0.01)	NEG * (<i>r</i> =-0.0207, <i>p</i> <0.05)	(+)	(-)	<i>marg-signif</i> NEG (<i>r</i> =-0.0077, <i>p</i> <0.10)	S-A04.d Regional Averages plot		
Winter Trend <i>m02 + m03</i>		(-)	(-)	(-)	(+)	(-)	(-)	NEG * (<i>r</i> =-0.0273, <i>p</i> <0.05)	(-)	(+)	(+)	<i>marg-signif</i> NEG (<i>r</i> =-0.0246, <i>p</i> <0.10)			
Spring Trend <i>m04 + m05</i>		NEG * (<i>r</i> =-0.0486, <i>p</i> <0.05)	NEG * (<i>r</i> =-0.0846, <i>p</i> <0.05)	NEG * (<i>r</i> =-0.0846, <i>p</i> <0.05)	(-)	(-)	<i>marg-signif</i> NEG (<i>r</i> =-0.0446, <i>p</i> <0.10)	NEG * (<i>r</i> =-0.0311, <i>p</i> <0.05)	(-)	(+)	(-)	(-)			
Summer Trend <i>m06 + m07</i>		NEG * (<i>r</i> =-0.0274, <i>p</i> <0.05)	NEG * (<i>r</i> =-0.0421, <i>p</i> <0.05)	NEG * (<i>r</i> =-0.0421, <i>p</i> <0.05)	(-)	<i>marg-signif</i> NEG (<i>r</i> =-0.0127, <i>p</i> <0.10)	NEG ** (<i>r</i> =-0.0443, <i>p</i> <0.01)	NEG ** (<i>r</i> =-0.0397, <i>p</i> <0.01)	NEG ** (<i>r</i> =-0.0335, <i>p</i> <0.01)	NEG * (<i>r</i> =-0.0167, <i>p</i> <0.05)	(-)	NEG * (<i>r</i> =-0.0167, <i>p</i> <0.05)			
Autumn Trend <i>m10 + m11</i>		(+)	(-)	(-)	(-)	(-)	(-)	NEG ** (<i>r</i> =-0.0620, <i>p</i> <0.01)	(-)	(+)	(-)	(+)			

S-A04.c *Averages-n-Trends plots*

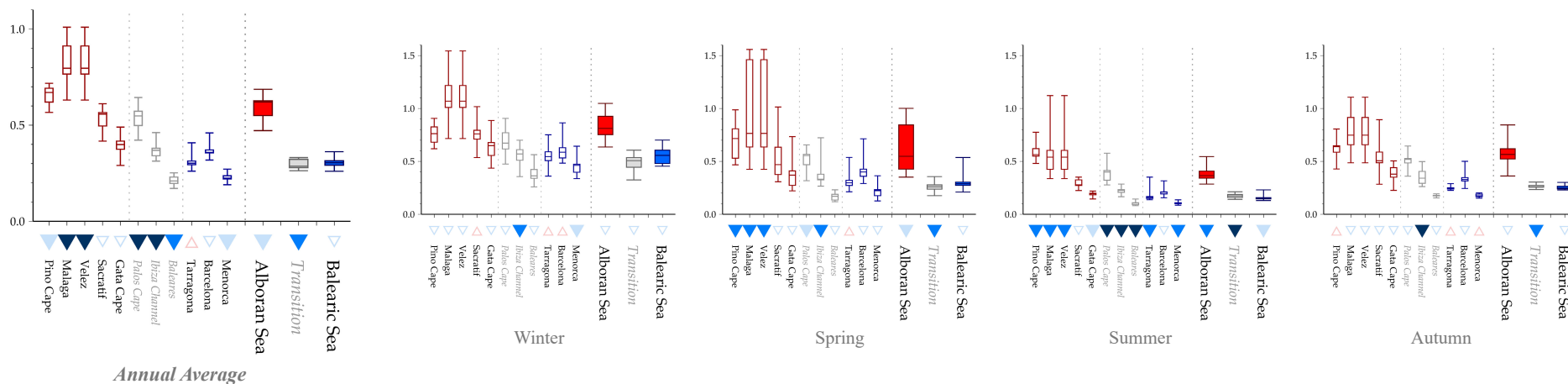


Table S-A05 Ashfree Dry Mass (mg m⁻³) trends in the western Mediterranean Sea (2007-2017)

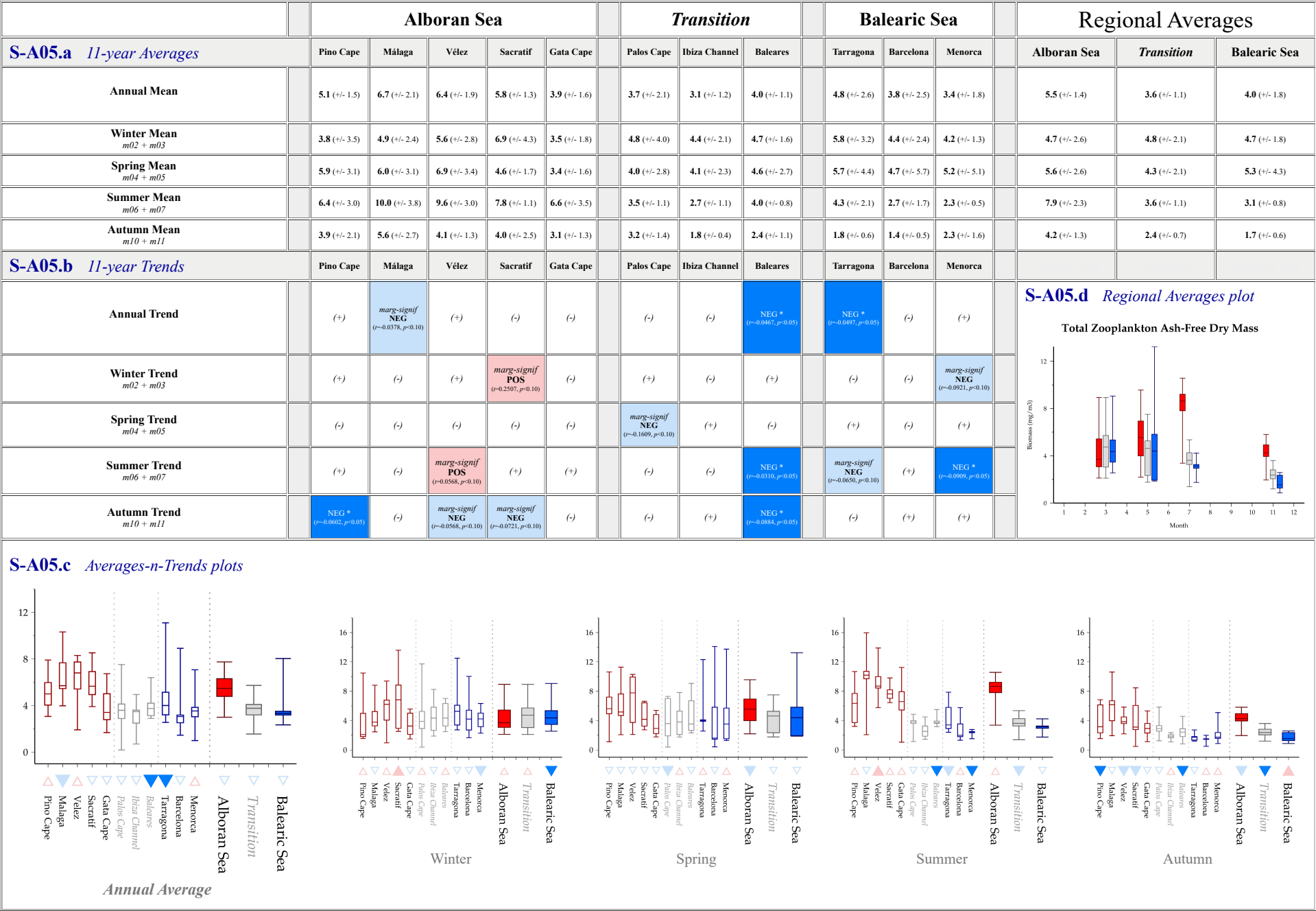


Table S-A06 Dry Mass (mg m⁻³) trends in the western Mediterranean Sea (2007-2017)

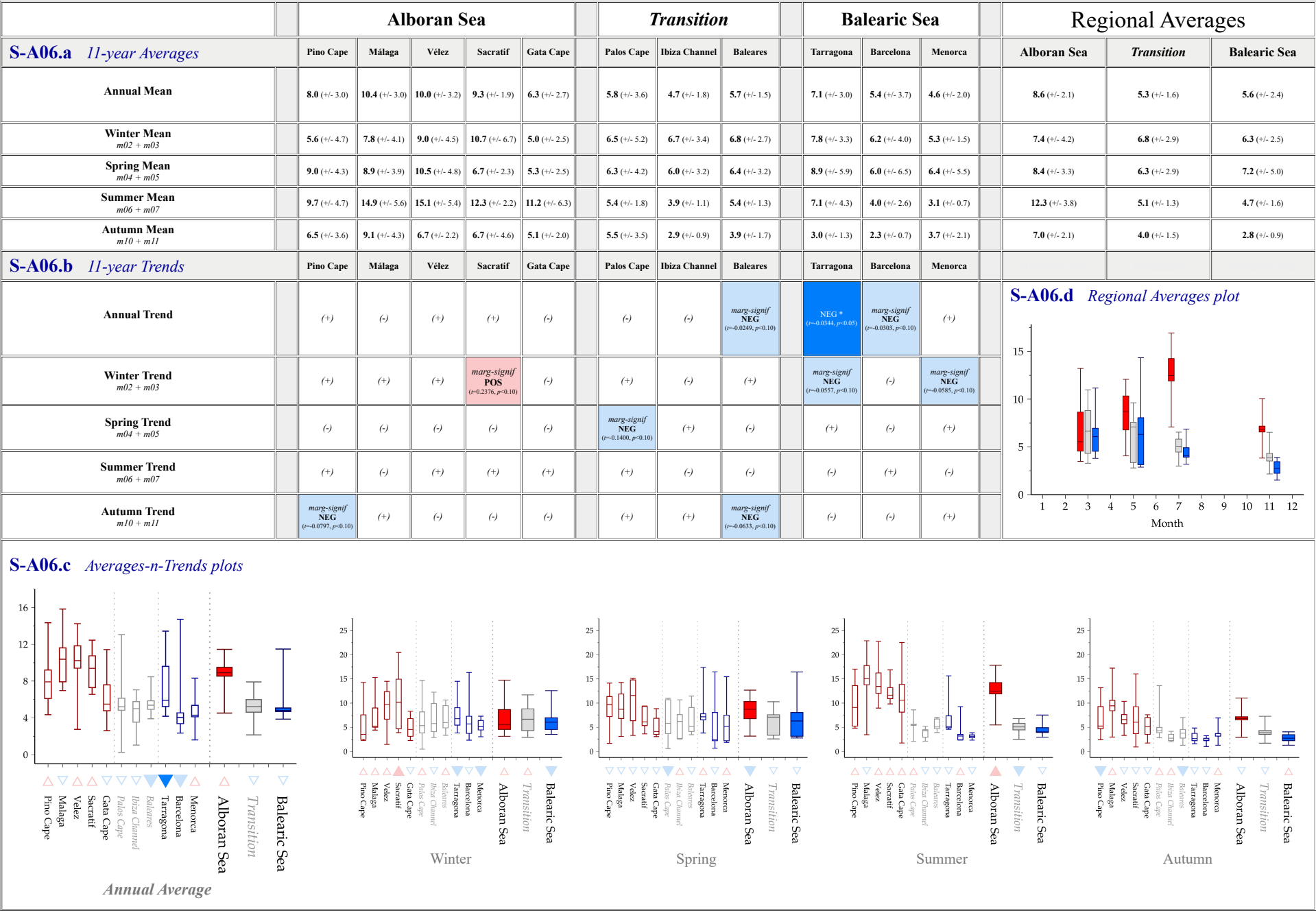


Table S-A07 **Ratio of Ashfree Dry Mass to Dry Mass** trends in the western Mediterranean Sea (2007-2017)

S-A07.a 11-year Averages

	Pino Cape	Málaga	Vélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Baleares	Tarragona	Barcelona	Menorca	Alboran Sea	Transition	Balearic Sea
Annual Mean	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0)	0.7 (+/- 0.1)	0.7 (+/- 0)	0.7 (+/- 0.1)	0.7 (+/- 0.1)	0.7 (+/- 0.1)	0.7 (+/- 0.1)	0.6 (+/- 0)	0.7 (+/- 0)	0.7 (+/- 0.1)
Winter Mean <i>m02 + m03</i>	0.7 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.7 (+/- 0.1)	0.7 (+/- 0)	0.7 (+/- 0.1)	0.7 (+/- 0.1)	0.7 (+/- 0.1)	0.7 (+/- 0.1)	0.7 (+/- 0.1)	0.8 (+/- 0.1)	0.6 (+/- 0.1)	0.7 (+/- 0)	0.7 (+/- 0.1)
Spring Mean <i>m04 + m05</i>	0.6 (+/- 0.1)	0.7 (+/- 0.1)	0.7 (+/- 0.1)	0.7 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.7 (+/- 0.1)	0.7 (+/- 0.1)	0.6 (+/- 0.1)	0.7 (+/- 0.1)	0.7 (+/- 0.1)	0.7 (+/- 0.1)	0.7 (+/- 0)	0.7 (+/- 0.1)
Summer Mean <i>m06 + m07</i>	0.7 (+/- 0.1)	0.7 (+/- 0.1)	0.6 (+/- 0)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.7 (+/- 0.2)	0.7 (+/- 0.1)	0.6 (+/- 0.1)	0.7 (+/- 0.2)	0.7 (+/- 0.2)	0.6 (+/- 0)	0.7 (+/- 0.1)	0.7 (+/- 0.2)
Autumn Mean <i>m10 + m11</i>	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)	0.6 (+/- 0.1)

S-A07.b 11-year Trends

	Pino Cape	Málaga	Vélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Baleares	Tarragona	Barcelona	Menorca	Alboran Sea	Transition	Balearic Sea
Annual Trend	NEG * ($r=-0.0120$, $p<0.05$)	NEG * ($r=-0.0154$, $p<0.05$)	(-)	(-)	(-)	NEG ** ($r=-0.0240$, $p<0.01$)	NEG * ($r=-0.0145$, $p<0.05$)	NEG * ($r=-0.0171$, $p<0.05$)	(-)	(-)	(-)			
Winter Trend <i>m02 + m03</i>	(+)	NEG * ($r=-0.0290$, $p<0.05$)	(+)	(-)	(+)	marg-signif NEG ($r=-0.0232$, $p<0.10$)	(-)	(-)	(+)	(-)	(-)			
Spring Trend <i>m04 + m05</i>	NEG * ($r=-0.0359$, $p<0.05$)	NEG * ($r=-0.0313$, $p<0.05$)	NEG * ($r=-0.0235$, $p<0.05$)	NEG * ($r=-0.0290$, $p<0.05$)	NEG * ($r=-0.0188$, $p<0.05$)	NEG * ($r=-0.0273$, $p<0.05$)	(+)	marg-signif NEG ($r=-0.0127$, $p<0.10$)	(-)	(-)	(-)			
Summer Trend <i>m06 + m07</i>	marg-signif NEG ($r=-0.0146$, $p<0.10$)	(-)	NEG * ($r=-0.0061$, $p<0.05$)	NEG * ($r=-0.0140$, $p<0.05$)	(-)	NEG ** ($r=-0.0239$, $p<0.01$)	(-)	(-)	marg-signif NEG ($r=-0.0344$, $p<0.10$)	NEG * ($r=-0.0283$, $p<0.05$)	(-)			
Autumn Trend <i>m10 + m11</i>	marg-signif NEG ($r=-0.0209$, $p<0.10$)	NEG * ($r=-0.0202$, $p<0.05$)	(-)	(+)	(+)	marg-signif NEG ($r=-0.0365$, $p<0.10$)	marg-signif NEG ($r=-0.0191$, $p<0.10$)	NEG * ($r=-0.0146$, $p<0.05$)	(+)	(+)	(+)			

S-A07.d Regional Averages plot

S-A07.c Averages-n-Trends plots

Table S-A08 Total Zooplankton (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

		Alboran Sea					Transition			Balearic Sea			Regional Averages		
S-A08.a 11-year Averages		Pino Cape	Málaga	Vélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Baleares	Tarragona	Barcelona	Menorca	Alboran Sea	Transition	Balearic Sea
Annual Mean		936.7 (+/- 364.7)	1420.1 (+/- 804.2)	1504.0 (+/- 601.6)	1181.5 (+/- 401.5)	843.4 (+/- 253.0)	645.8 (+/- 349.5)	599.9 (+/- 198.0)	785.0 (+/- 286.9)	881.7 (+/- 313.0)	783.9 (+/- 469.1)	747.0 (+/- 729.5)	1175.3 (+/- 377.2)	704.0 (+/- 212.5)	806.5 (+/- 350.2)
Winter Mean <i>m02 + m03</i>		769.3 (+/- 592.5)	777.9 (+/- 436.3)	977.0 (+/- 804.4)	957.9 (+/- 653.4)	719.3 (+/- 185.0)	828.1 (+/- 545.7)	753.2 (+/- 232.8)	1008.1 (+/- 456.0)	1155.6 (+/- 483.9)	1050.7 (+/- 606.7)	1109.0 (+/- 841.1)	788.4 (+/- 372.0)	919.7 (+/- 307.9)	1101.9 (+/- 448.8)
Spring Mean <i>m04 + m05</i>		840.6 (+/- 327.0)	1071.2 (+/- 517.5)	1122.3 (+/- 813.4)	967.3 (+/- 431.8)	665.6 (+/- 254.2)	683.4 (+/- 532.3)	584.4 (+/- 370.5)	901.9 (+/- 408.9)	627.8 (+/- 344.0)	685.1 (+/- 784.4)	741.5 (+/- 657.4)	990.1 (+/- 434.3)	765.5 (+/- 336.4)	731.6 (+/- 527.9)
Summer Mean <i>m06 + m07</i>		1577.5 (+/- 920.6)	2412.6 (+/- 1882.5)	2964.2 (+/- 1420.0)	2101.4 (+/- 613.0)	1351.5 (+/- 727.6)	654.1 (+/- 454.7)	583.7 (+/- 277.3)	563.4 (+/- 214.0)	1524.7 (+/- 959.0)	913.0 (+/- 698.2)	274.9 (+/- 135.6)	2085.4 (+/- 904.0)	591.6 (+/- 265.6)	896.7 (+/- 344.5)
Autumn Mean <i>m10 + m11</i>		809.4 (+/- 674.9)	1465.9 (+/- 1161.6)	915.4 (+/- 611.8)	682.8 (+/- 504.8)	574.2 (+/- 180.6)	545.4 (+/- 421.7)	471.6 (+/- 252.4)	442.2 (+/- 371.6)	382.5 (+/- 146.3)	254.0 (+/- 110.0)	283.7 (+/- 139.5)	886.8 (+/- 533.1)	467.6 (+/- 245.8)	287.4 (+/- 76.0)
S-A08.b 11-year Trends		Pino Cape	Málaga	Vélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Baleares	Tarragona	Barcelona	Menorca			
Annual Trend		(-)	NEG * <i>(r=-0.0565, p=0.005)</i>	(-)	NEG ** <i>(r=-0.0813, p=0.01)</i>	(-)	(-)	NEG * <i>(r=-0.0537, p=0.005)</i>	NEG * <i>(r=-0.0552, p=0.005)</i>	(+)	(-)	(-)	S-A08.d Regional Averages plot		
Winter Trend <i>m02 + m03</i>		(+)	(-)	(-)	(-)	(+)	(+)	(-)	(+)	(+)	(-)	(+)			
Spring Trend <i>m04 + m05</i>		(+)	marg-signif NEG <i>(r=-0.1038, p=0.10)</i>	(-)	NEG * <i>(r=-0.0863, p=0.005)</i>	(-)	(-)	(-)	NEG * <i>(r=-0.1215, p=0.005)</i>	(-)	(-)	(-)			
Summer Trend <i>m06 + m07</i>		(+)	(-)	(-)	NEG * <i>(r=-0.0361, p=0.005)</i>	(-)	NEG * <i>(r=-0.0931, p=0.005)</i>	marg-signif NEG <i>(r=-0.0772, p=0.10)</i>	(-)	(+)	(+)	(-)			
Autumn Trend <i>m10 + m11</i>		NEG ** <i>(r=-0.1101, p=0.01)</i>	(-)	NEG * <i>(r=-0.1346, p=0.005)</i>	(-)	(-)	(-)	NEG * <i>(r=-0.0593, p=0.005)</i>	NEG ** <i>(r=-0.1054, p=0.01)</i>	(-)	(+)	(+)			

S-A08.c Averages-n-Trends plots

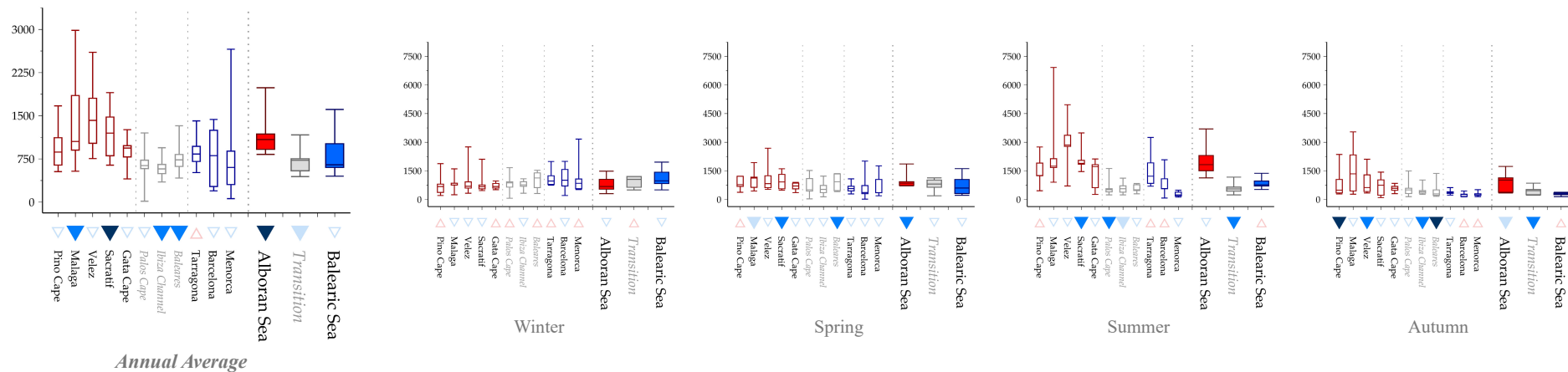
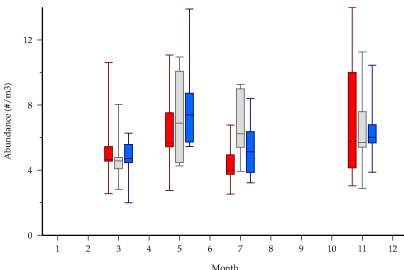


Table S-A09 Ashfree Dry Mass per Individual (ug ind⁻¹) trends in the western Mediterranean Sea (2007-2017)

		Alboran Sea					Transition			Balearic Sea			Regional Averages		
S-A09.a 11-year Averages		Pino Cape	Málaga	Vélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Baleares	Tarragona	Barcelona	Menorca	Alboran Sea	Transition	Balearic Sea
Annual Mean		6.6 (+/- 4.8)	7.2 (+/- 5.9)	5.7 (+/- 2.8)	6.0 (+/- 3.5)	4.5 (+/- 2.2)	6.9 (+/- 2.3)	5.9 (+/- 2.1)	6.0 (+/- 1.7)	6.1 (+/- 2.5)	6.0 (+/- 2.5)	7.5 (+/- 1.9)	5.8 (+/- 2.3)	6.2 (+/- 1.6)	6.2 (+/- 1.1)
Winter Mean <i>m02 + m03</i>		5.5 (+/- 2.6)	6.2 (+/- 3.0)	5.6 (+/- 3.3)	6.7 (+/- 4.4)	5.1 (+/- 3.4)	4.8 (+/- 2.0)	5.1 (+/- 2.3)	4.6 (+/- 1.5)	5.4 (+/- 3.2)	4.7 (+/- 1.9)	4.0 (+/- 1.9)	5.8 (+/- 3.1)	4.9 (+/- 1.7)	4.6 (+/- 1.4)
Spring Mean <i>m04 + m05</i>		7.5 (+/- 4.2)	6.2 (+/- 2.9)	7.3 (+/- 4.4)	5.1 (+/- 1.4)	4.4 (+/- 0.9)	8.2 (+/- 4.5)	8.2 (+/- 3.8)	5.4 (+/- 2.0)	8.7 (+/- 2.2)	9.9 (+/- 8.7)	6.9 (+/- 2.5)	6.4 (+/- 2.8)	7.3 (+/- 3.0)	8.1 (+/- 3.1)
Summer Mean <i>m06 + m07</i>		4.8 (+/- 2.5)	4.7 (+/- 2.1)	4.3 (+/- 3.2)	3.5 (+/- 0.7)	5.0 (+/- 1.9)	6.2 (+/- 2.5)	5.3 (+/- 1.5)	7.9 (+/- 3.0)	3.9 (+/- 2.6)	3.2 (+/- 0.6)	(+/-)	4.4 (+/- 1.5)	6.7 (+/- 1.9)	5.4 (+/- 1.9)
Autumn Mean <i>m10 + m11</i>		6.6 (+/- 5.3)	7.3 (+/- 7.1)	5.8 (+/- 3.2)	9.1 (+/- 10.2)	6.0 (+/- 3.0)	7.6 (+/- 3.5)	4.5 (+/- 1.9)	6.7 (+/- 3.0)	4.9 (+/- 1.8)	6.2 (+/- 3.5)	7.7 (+/- 1.5)	7.1 (+/- 3.7)	6.5 (+/- 2.4)	6.3 (+/- 2.1)
S-A09.b 11-year Trends		Pino Cape	Málaga	Vélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Baleares	Tarragona	Barcelona	Menorca			
Annual Trend		(+)	(+)	(+)	(+)	(-)	(+)	marg-signif POS (<i>r</i> =0.0506, <i>p</i> <0.10)	(+)	marg-signif NEG (<i>r</i> =0.0587, <i>p</i> <0.10)	(+)	(+)	S-A09.d Regional Averages plot		
Winter Trend <i>m02 + m03</i>		(+)	(+)	(+)	(+)	(+)	marg-signif NEG (<i>r</i> =0.0357, <i>p</i> <0.10)	(+)	(-)	marg-signif NEG (<i>r</i> =0.0835, <i>p</i> <0.10)	(+)	(-)	AFDW-per-Individual		
Spring Trend <i>m04 + m05</i>		(-)	(+)	(+)	POS * (<i>r</i> =0.0669, <i>p</i> <0.05)	(-)	(-)	(+)	(+)	(-)	(+)	(+)			
Summer Trend <i>m06 + m07</i>		(-)	(-)	(+)	(+)	(+)	(+)	(+)	(+)	NEG * (<i>r</i> =-0.1902, <i>p</i> <0.05)	NEG * (<i>r</i> =-0.0299, <i>p</i> <0.05)	(+)			
Autumn Trend <i>m10 + m11</i>		(+)	(+)	marg-signif POS (<i>r</i> =0.0763, <i>p</i> <0.10)	(+)	(-)	(-)	(+)	(+)	(-)	(+)	(+)			

S-A09.c *Averages-n-Trends plots*

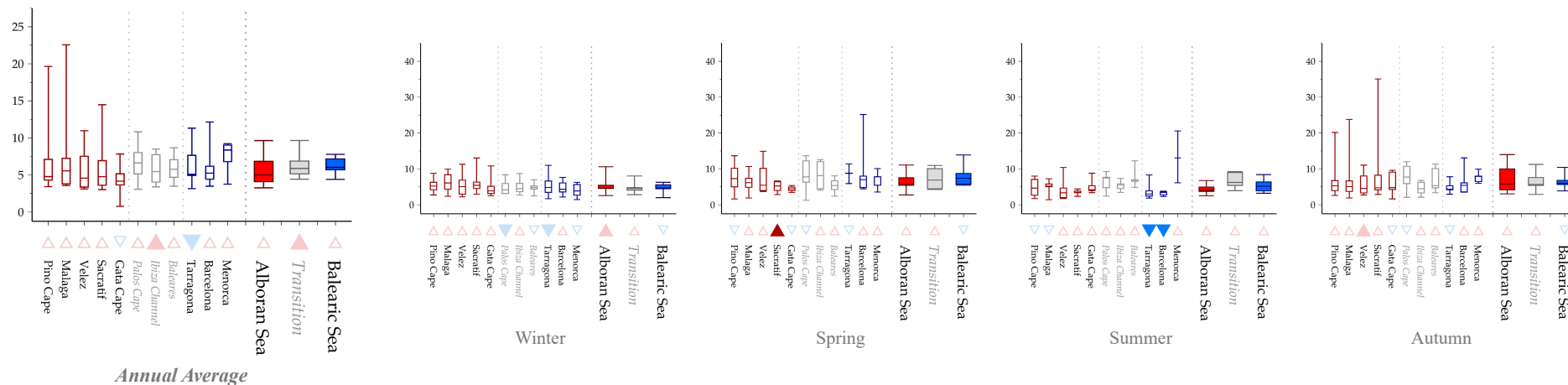


Table S-A10 Dry Mass per Individual (ug ind⁻¹) trends in the western Mediterranean Sea (2007-2017)

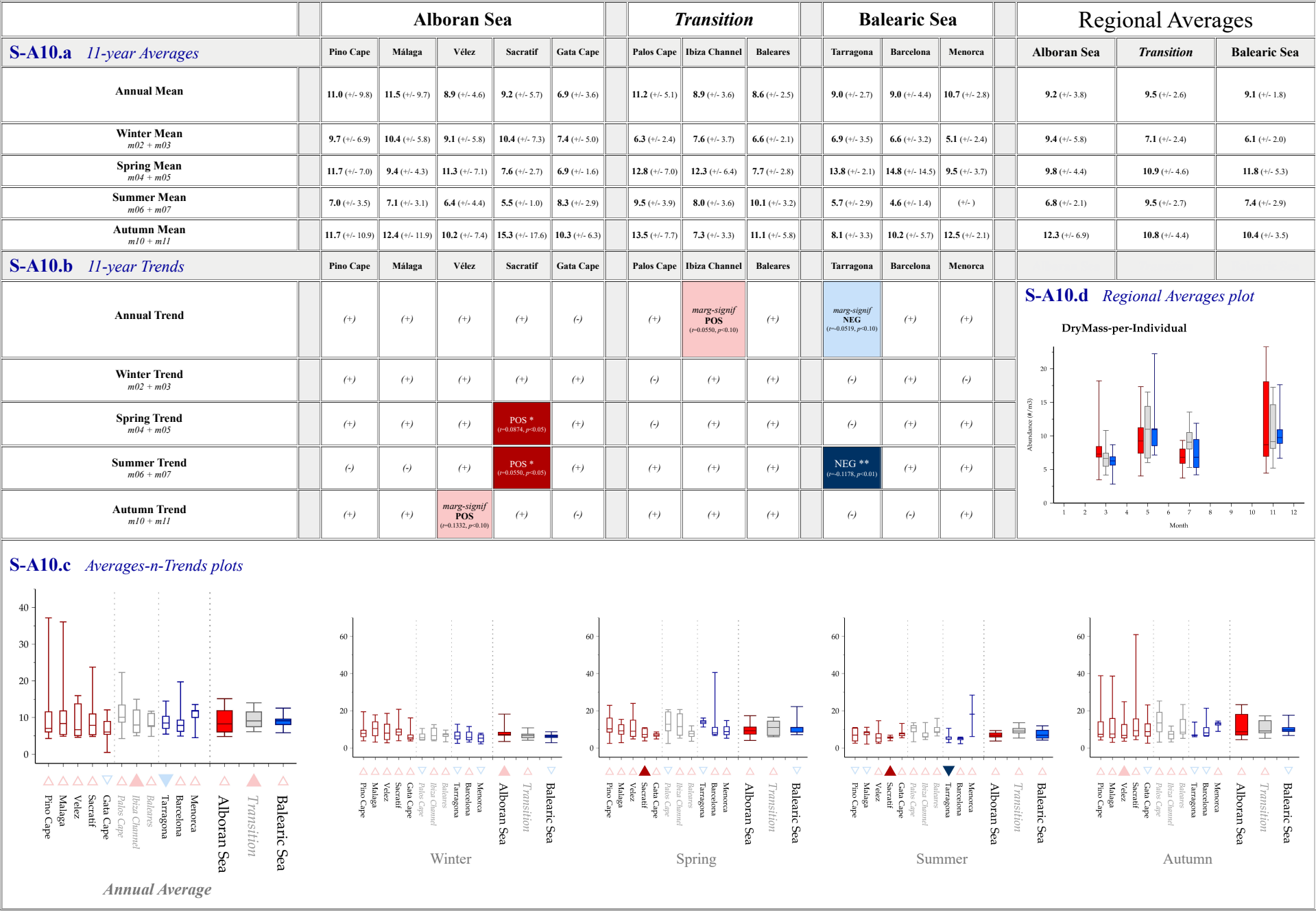


Table S-A11 Total Copepods (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

		Alboran Sea					Transition			Balearic Sea			Regional Averages																																																																																			
S-A11.a 11-year Averages		Pino Cape	Málaga	Vélez	Sacratif	Gata Cape		Palos Cape	Ibiza Channel	Baleares		Tarragona	Barcelona	Menorca		Alboran Sea	Transition	Balearic Sea																																																																														
Annual Mean		460.8 (+/- 151.9)	522.4 (+/- 189.7)	553.9 (+/- 196.7)	413.4 (+/- 139.9)	395.6 (+/- 96.9)		371.1 (+/- 198.5)	347.5 (+/- 112.5)	498.4 (+/- 244.5)		370.2 (+/- 172.7)	552.4 (+/- 344.7)	619.0 (+/- 679.0)		473.7 (+/- 112.5)	428.6 (+/- 131.7)	540.6 (+/- 313.6)																																																																														
Winter Mean <i>m02 + m03</i>		569.3 (+/- 471.3)	473.1 (+/- 256.9)	581.6 (+/- 591.1)	489.6 (+/- 320.0)	493.9 (+/- 160.2)		665.6 (+/- 442.9)	547.9 (+/- 199.7)	759.7 (+/- 372.5)		909.0 (+/- 436.2)	891.5 (+/- 550.5)	1005.2 (+/- 789.5)		506.4 (+/- 231.2)	695.4 (+/- 246.7)	937.4 (+/- 402.2)																																																																														
Spring Mean <i>m04 + m05</i>		494.8 (+/- 290.7)	574.3 (+/- 270.1)	616.7 (+/- 408.5)	439.6 (+/- 151.6)	457.1 (+/- 126.8)		436.9 (+/- 452.6)	337.3 (+/- 333.0)	554.2 (+/- 318.3)		370.1 (+/- 270.1)	545.3 (+/- 689.8)	605.6 (+/- 670.0)		533.0 (+/- 208.4)	476.3 (+/- 261.8)	568.1 (+/- 493.9)																																																																														
Summer Mean <i>m06 + m07</i>		514.0 (+/- 373.9)	537.1 (+/- 240.9)	628.5 (+/- 267.4)	447.4 (+/- 111.2)	310.2 (+/- 130.9)		195.2 (+/- 124.2)	223.7 (+/- 132.2)	261.3 (+/- 63.6)		127.0 (+/- 68.4)	394.7 (+/- 448.1)	150.5 (+/- 76.2)		484.4 (+/- 138.0)	227.6 (+/- 102.9)	264.7 (+/- 245.0)																																																																														
Autumn Mean <i>m10 + m11</i>		352.9 (+/- 211.6)	523.3 (+/- 360.7)	429.1 (+/- 278.9)	256.5 (+/- 153.0)	244.1 (+/- 109.5)		258.3 (+/- 148.4)	273.2 (+/- 130.5)	230.4 (+/- 110.1)		206.3 (+/- 61.8)	166.5 (+/- 65.6)	179.5 (+/- 71.1)		360.2 (+/- 174.3)	249.7 (+/- 92.7)	178.5 (+/- 37.1)																																																																														
S-A11.b 11-year Trends		Pino Cape	Málaga	Vélez	Sacratif	Gata Cape		Palos Cape	Ibiza Channel	Baleares		Tarragona	Barcelona	Menorca																																																																																		
Annual Trend		(-)	(-)	<i>marg-signif</i> NEG (<i>r</i> =-0.0298, <i>p</i> =0.10)	<i>marg-signif</i> NEG (<i>r</i> =-0.0433, <i>p</i> =0.10)	(-)		(+)	(-)	(-)		(-)	(-)	(-)		<div>S-A11.d Regional Averages plot</div> <table><caption>Approximate data for S-A11.d Regional Averages plot</caption><tr><th>Month</th><th>Min</th><th>Q1</th><th>Median</th><th>Q3</th><th>Max</th></tr><tr><td>1</td><td>250</td><td>300</td><td>350</td><td>400</td><td>450</td></tr><tr><td>2</td><td>300</td><td>350</td><td>400</td><td>450</td><td>500</td></tr><tr><td>3</td><td>450</td><td>550</td><td>650</td><td>750</td><td>850</td></tr><tr><td>4</td><td>500</td><td>600</td><td>700</td><td>800</td><td>900</td></tr><tr><td>5</td><td>600</td><td>700</td><td>800</td><td>900</td><td>1000</td></tr><tr><td>6</td><td>350</td><td>400</td><td>450</td><td>500</td><td>550</td></tr><tr><td>7</td><td>250</td><td>300</td><td>350</td><td>400</td><td>450</td></tr><tr><td>8</td><td>200</td><td>250</td><td>300</td><td>350</td><td>400</td></tr><tr><td>9</td><td>150</td><td>200</td><td>250</td><td>300</td><td>350</td></tr><tr><td>10</td><td>100</td><td>150</td><td>200</td><td>250</td><td>300</td></tr><tr><td>11</td><td>50</td><td>100</td><td>150</td><td>200</td><td>250</td></tr><tr><td>12</td><td>0</td><td>50</td><td>100</td><td>150</td><td>200</td></tr></table>			Month	Min	Q1	Median	Q3	Max	1	250	300	350	400	450	2	300	350	400	450	500	3	450	550	650	750	850	4	500	600	700	800	900	5	600	700	800	900	1000	6	350	400	450	500	550	7	250	300	350	400	450	8	200	250	300	350	400	9	150	200	250	300	350	10	100	150	200	250	300	11	50	100	150	200	250	12	0	50	100	150	200
Month	Min	Q1	Median	Q3	Max																																																																																											
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6	350	400	450	500	550																																																																																											
7	250	300	350	400	450																																																																																											
8	200	250	300	350	400																																																																																											
9	150	200	250	300	350																																																																																											
10	100	150	200	250	300																																																																																											
11	50	100	150	200	250																																																																																											
12	0	50	100	150	200																																																																																											
Winter Trend <i>m02 + m03</i>		(+)	(-)	(-)	(+)	(+)		(+)	(-)	(+)		(+)	(-)	(+)																																																																																		
Spring Trend <i>m04 + m05</i>		(+)	NEG * (<i>r</i> =-0.1257, <i>p</i> =0.05)	(-)	<i>marg-signif</i> NEG (<i>r</i> =-0.0612, <i>p</i> =0.30)	(-)		(-)	(-)	NEG * (<i>r</i> =-0.0698, <i>p</i> =0.05)		(+)	(-)	(+)																																																																																		
Summer Trend <i>m06 + m07</i>		(-)	(+)	(+)	<i>marg-signif</i> NEG (<i>r</i> =-0.0405, <i>p</i> =0.10)	(-)		(-)	<i>marg-signif</i> NEG (<i>r</i> =-0.0875, <i>p</i> =0.10)	<i>marg-signif</i> NEG (<i>r</i> =-0.0219, <i>p</i> =0.10)		(-)	(-)	(-)																																																																																		
Autumn Trend <i>m10 + m11</i>		NEG * (<i>r</i> =-0.0829, <i>p</i> =0.05)	<i>marg-signif</i> NEG (<i>r</i> =-0.0610, <i>p</i> =0.10)	NEG ** (<i>r</i> =-0.1196, <i>p</i> =0.01)	NEG * (<i>r</i> =-0.1349, <i>p</i> =0.05)	(-)		(+)	<i>marg-signif</i> NEG (<i>r</i> =-0.0691, <i>p</i> =0.10)	NEG * (<i>r</i> =-0.0923, <i>p</i> =0.05)		NEG * (<i>r</i> =-0.0687, <i>p</i> =0.05)	(+)	(+)																																																																																		

S-A11.c *Averages-n-Trends plots*

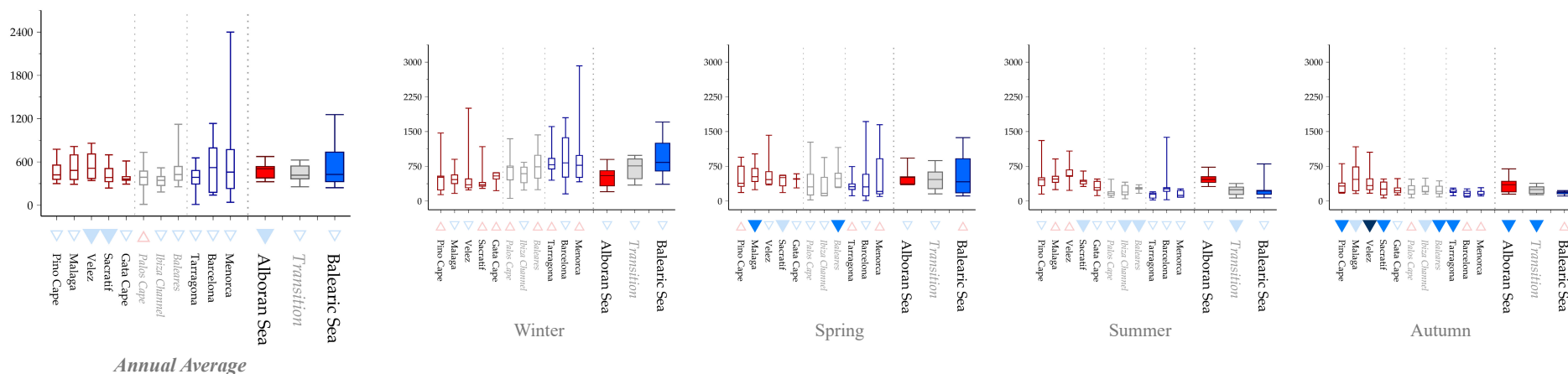


Table S-A12 Total Cladocera (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

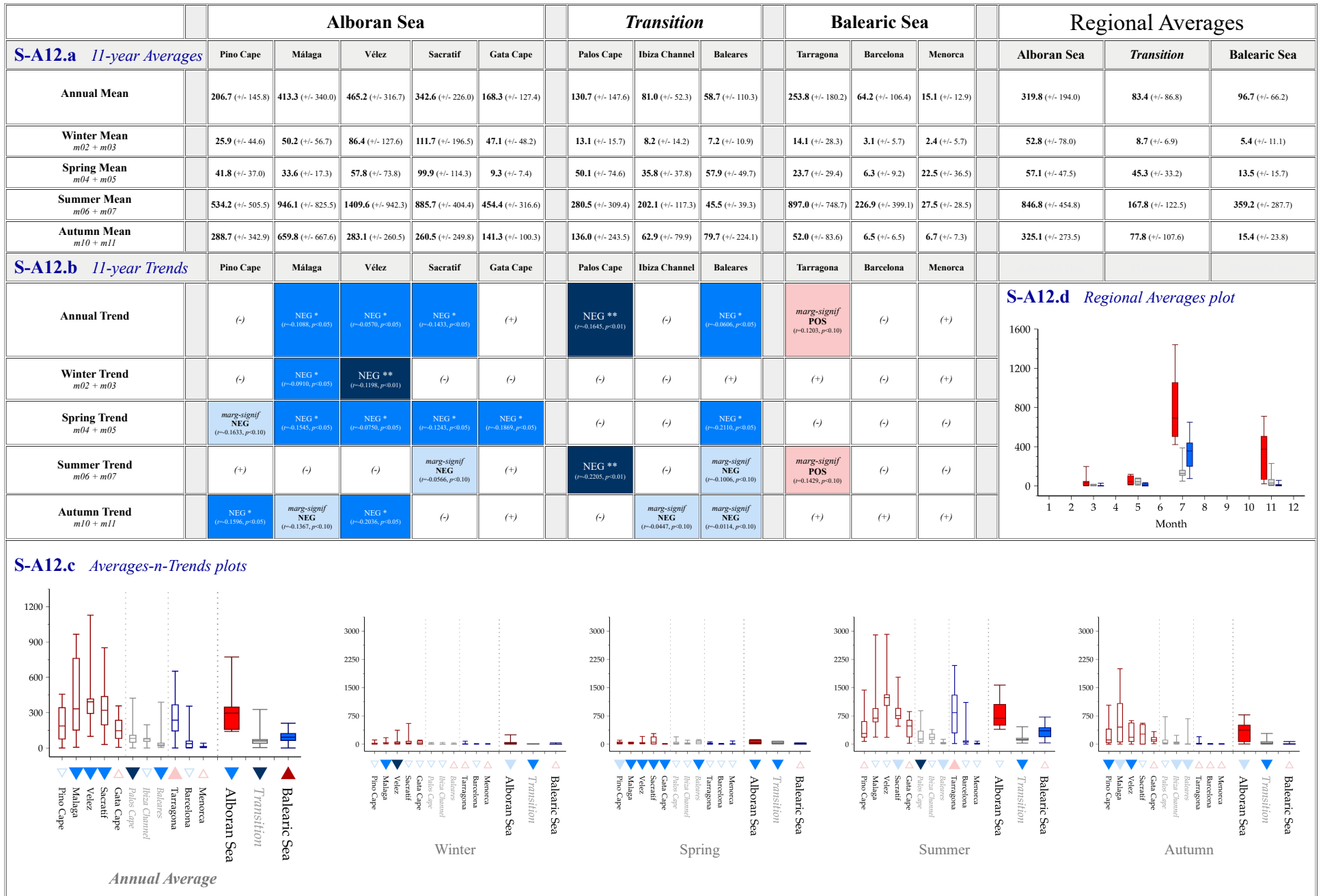


Table S-A13 Total Ostracods (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

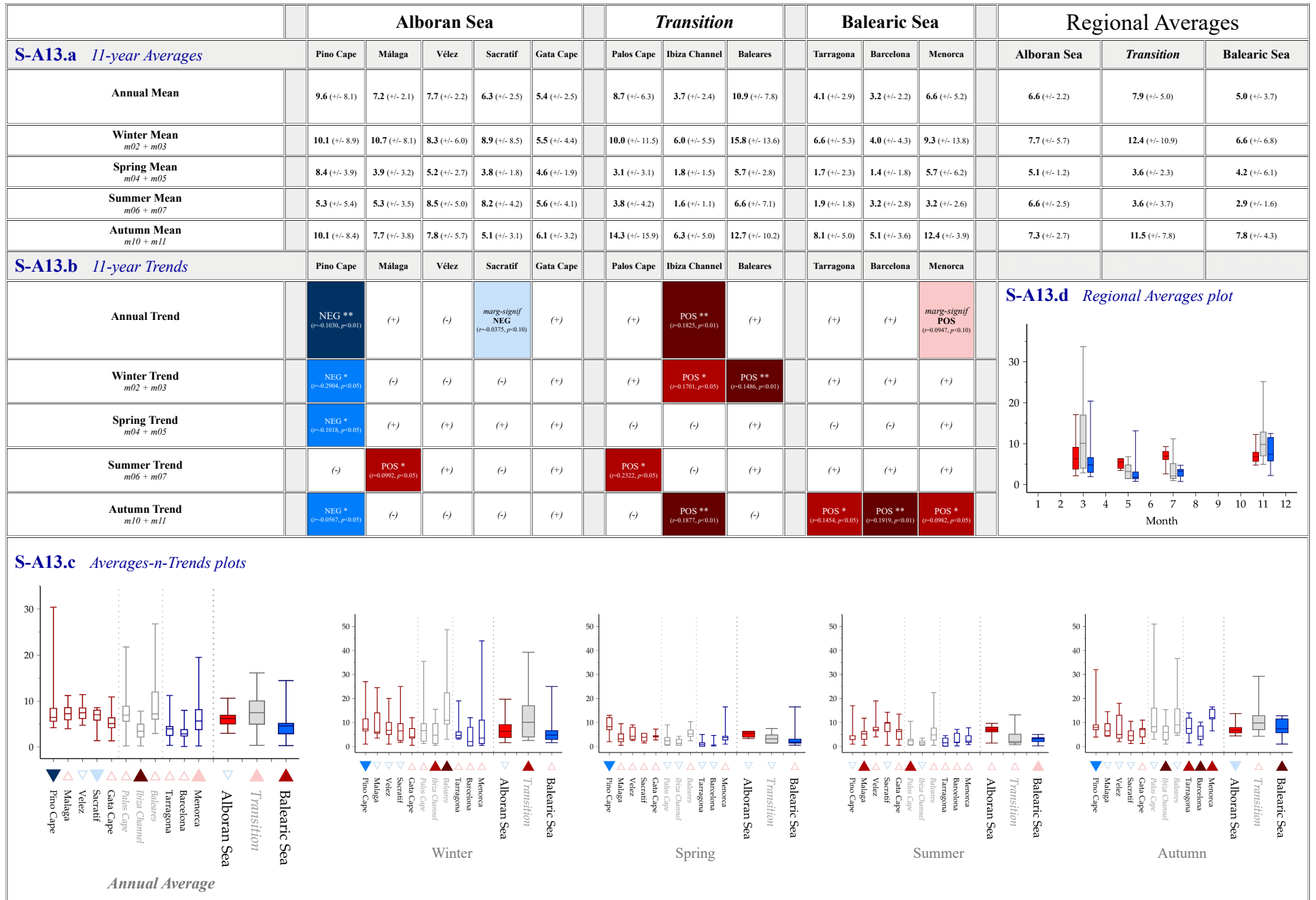


Table S-A14 Total Euphausiids (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

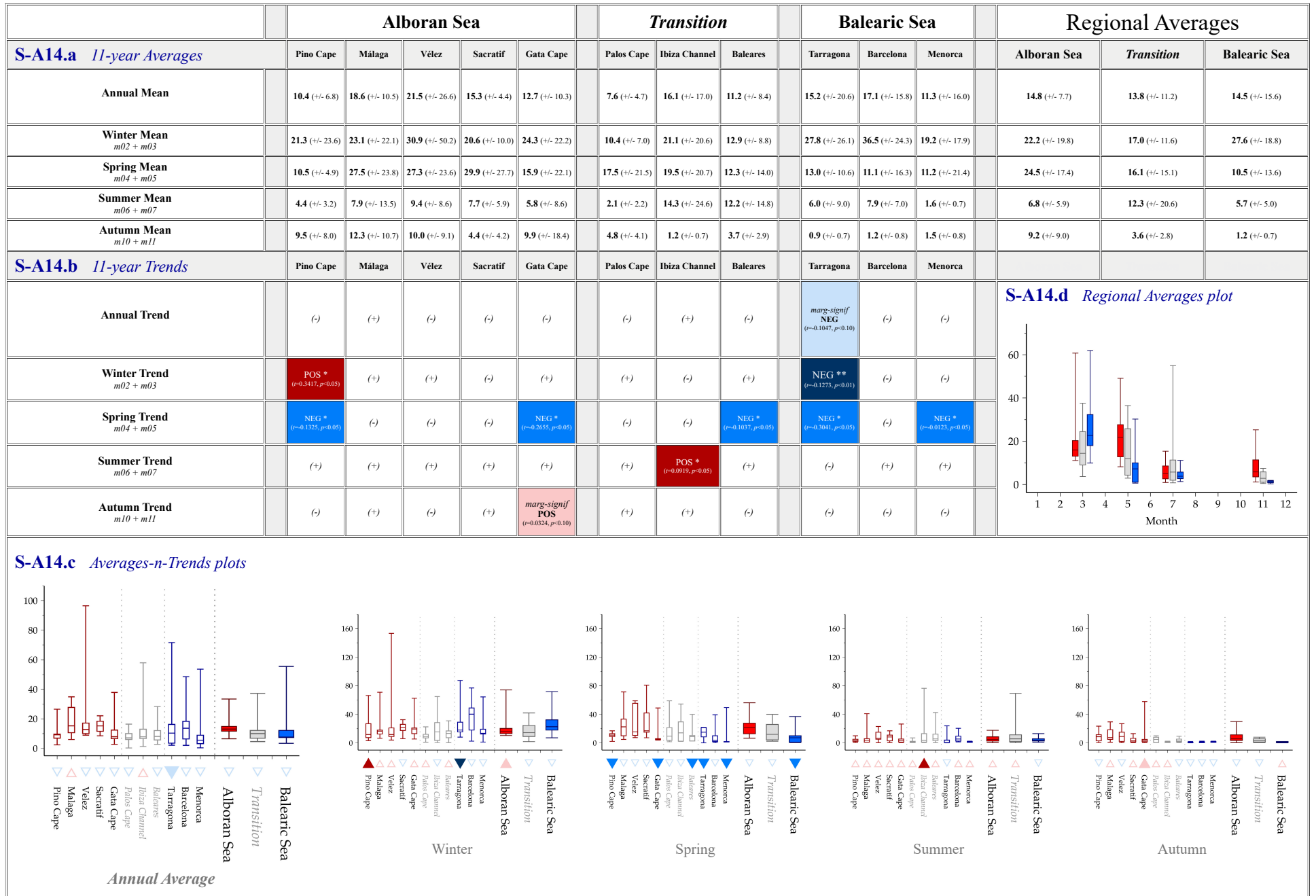


Table S-A15 Total Amphipods (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

		Alboran Sea							Transition					Balearic Sea					Regional Averages		
S-A15.a 11-year Averages		Pino Cape	Málaga	Vélez	Sacratif	Gata Cape			Palos Cape	Ibiza Channel	Baleares			Tarragona	Barcelona	Menorca			Alboran Sea	Transition	Balearic Sea
Annual Mean		0.3 (+/- 0.3)	0.7 (+/- 0.6)	0.8 (+/- 0.5)	2.1 (+/- 3.8)	0.7 (+/- 0.3)			0.8 (+/- 0.4)	0.8 (+/- 0.6)	0.7 (+/- 0.6)			0.6 (+/- 0.7)	0.3 (+/- 0.1)	1.0 (+/- 0.4)			0.8 (+/- 1.1)	0.7 (+/- 0.3)	0.6 (+/- 0.5)
Winter Mean <i>m02 + m03</i>		0.4 (+/- 0.6)	0.3 (+/- 0)	0.7 (+/- 0.5)	3.8 (+/- 9.6)	0.7 (+/- 0.5)			0.9 (+/- 1.1)	0.9 (+/- 0.8)	1.3 (+/- 1.4)			0.5 (+/- 0.8)	0.1 (+/-)	0.5 (+/- 0)			1.1 (+/- 2.5)	1.1 (+/- 0.9)	0.2 (+/- 0.3)
Spring Mean <i>m04 + m05</i>		0.3 (+/- 0.4)	1.1 (+/- 1.3)	1.1 (+/- 1.7)	0.6 (+/- 0.9)	0.8 (+/- 0.6)			0.6 (+/- 0.1)	0.5 (+/- 0.4)	0.5 (+/- 0.5)			0.3 (+/- 0.2)	0.3 (+/- 0.2)	1.9 (+/- 2.0)			0.6 (+/- 0.7)	0.5 (+/- 0.3)	1.3 (+/- 2.1)
Summer Mean <i>m06 + m07</i>		0.1 (+/- 0)	0.5 (+/- 0.7)	0.8 (+/- 1.1)	1.1 (+/- 1.2)	0.9 (+/- 1.0)			0.7 (+/- 0.3)	0.8 (+/- 0.6)	0.6 (+/- 0.5)			0.5 (+/- 0.5)	0.3 (+/- 0.3)	1.0 (+/- 0.5)			0.6 (+/- 0.7)	0.6 (+/- 0.3)	0.4 (+/- 0.4)
Autumn Mean <i>m10 + m11</i>		0.9 (+/- 0.9)	0.7 (+/- 0.6)	0.7 (+/- 0.7)	0.5 (+/- 0.4)	0.8 (+/- 0.3)			0.9 (+/- 0.4)	0.7 (+/- 0.4)	0.5 (+/- 0.3)			0.4 (+/- 0.2)	0.6 (+/- 0.6)	0.9 (+/- 0.3)			0.6 (+/- 0.3)	0.6 (+/- 0.3)	0.6 (+/- 0.3)
S-A15.b 11-year Trends		Pino Cape	Málaga	Vélez	Sacratif	Gata Cape			Palos Cape	Ibiza Channel	Baleares			Tarragona	Barcelona	Menorca					
Annual Trend		(-)	(-)	<i>marg-signif</i> NEG (<i>r</i> =-0.0909, <i>p</i> =0.10)	(+)	(-)			(+)	(-)	(-)			(+)	<i>marg-signif</i> POS (<i>r</i> =0.0889, <i>p</i> =0.10)	POS *	S-A15.d Regional Averages plot				
Winter Trend <i>m02 + m03</i>		(+)		(+)	(+)	(+)			(+)	(-)	(-)			(+)			Total Amphipods				
Spring Trend <i>m04 + m05</i>		(+)	(-)	(-)	(+)	NEG * (<i>r</i> =-0.1185, <i>p</i> =0.05)			<i>marg-signif</i> POS (<i>r</i> =0.0536, <i>p</i> =0.10)	(-)	(-)			(+)	(-)	<i>marg-signif</i> POS (<i>r</i> =0.2086, <i>p</i> =0.10)	Abundance (#/m3)				
Summer Trend <i>m06 + m07</i>			(+)	(-)	(+)	(+)			(+)	(-)	(+)			(+)	(+)	(+)	Month				
Autumn Trend <i>m10 + m11</i>		(-)	(+)	(-)	(-)	(-)			(-)	(-)	(+)			(-)	(+)	NEG ** (<i>r</i> =-0.1151, <i>p</i> =0.01)					

S-A15.c *Averages-n-Trends plots*

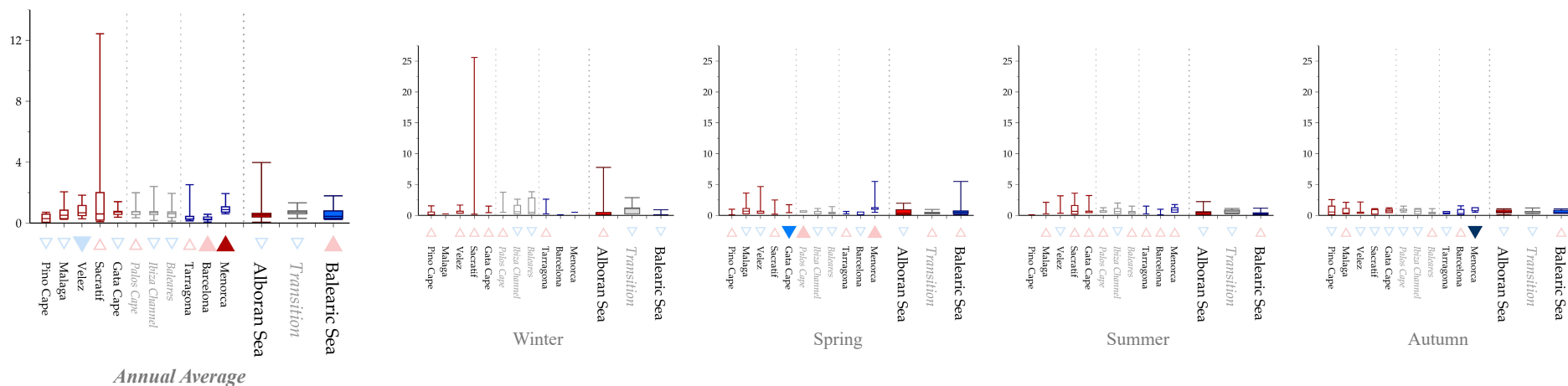


Table S-A16 Total Isopods (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

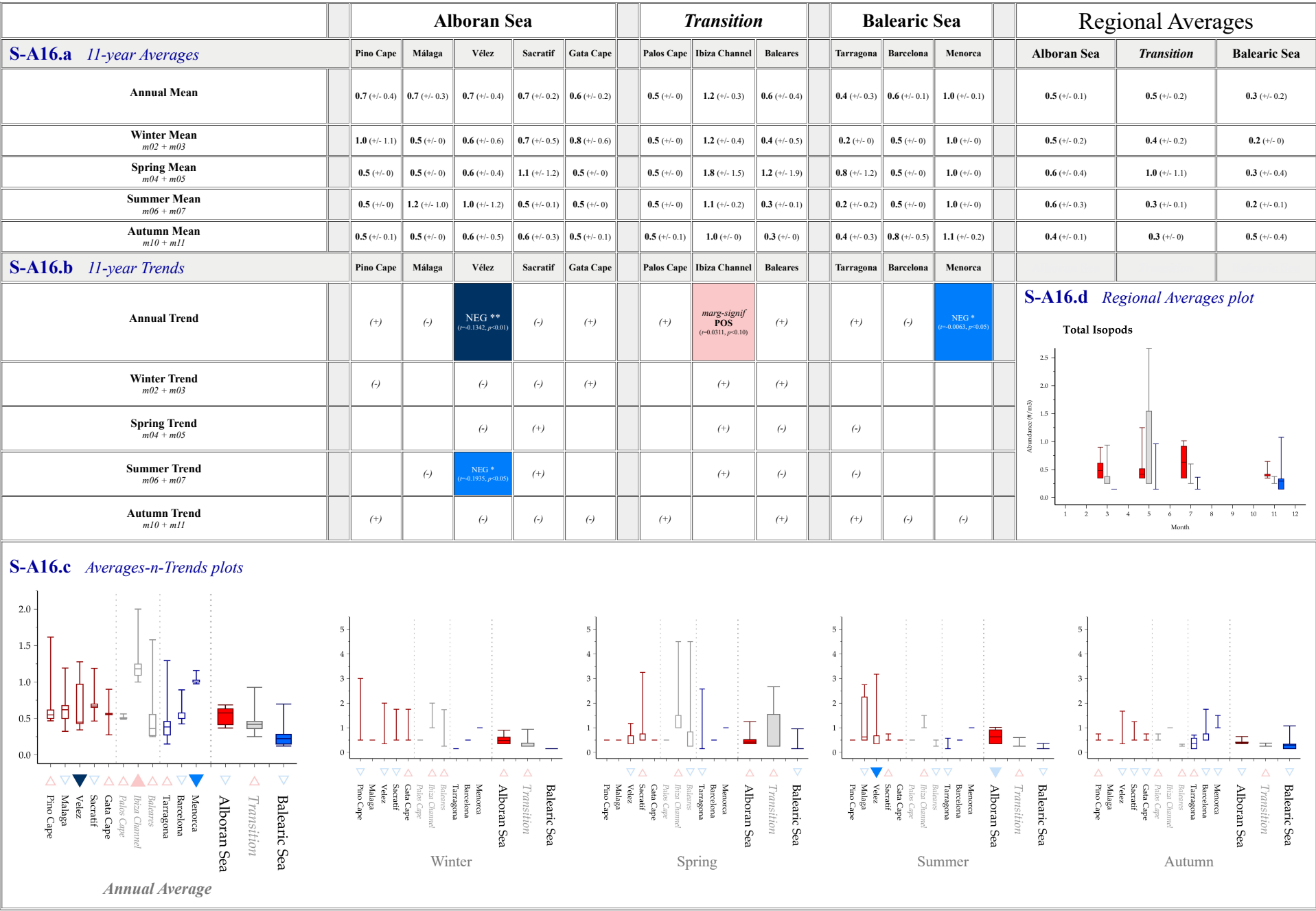


Table S-A17 Total Decapod Larvae (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

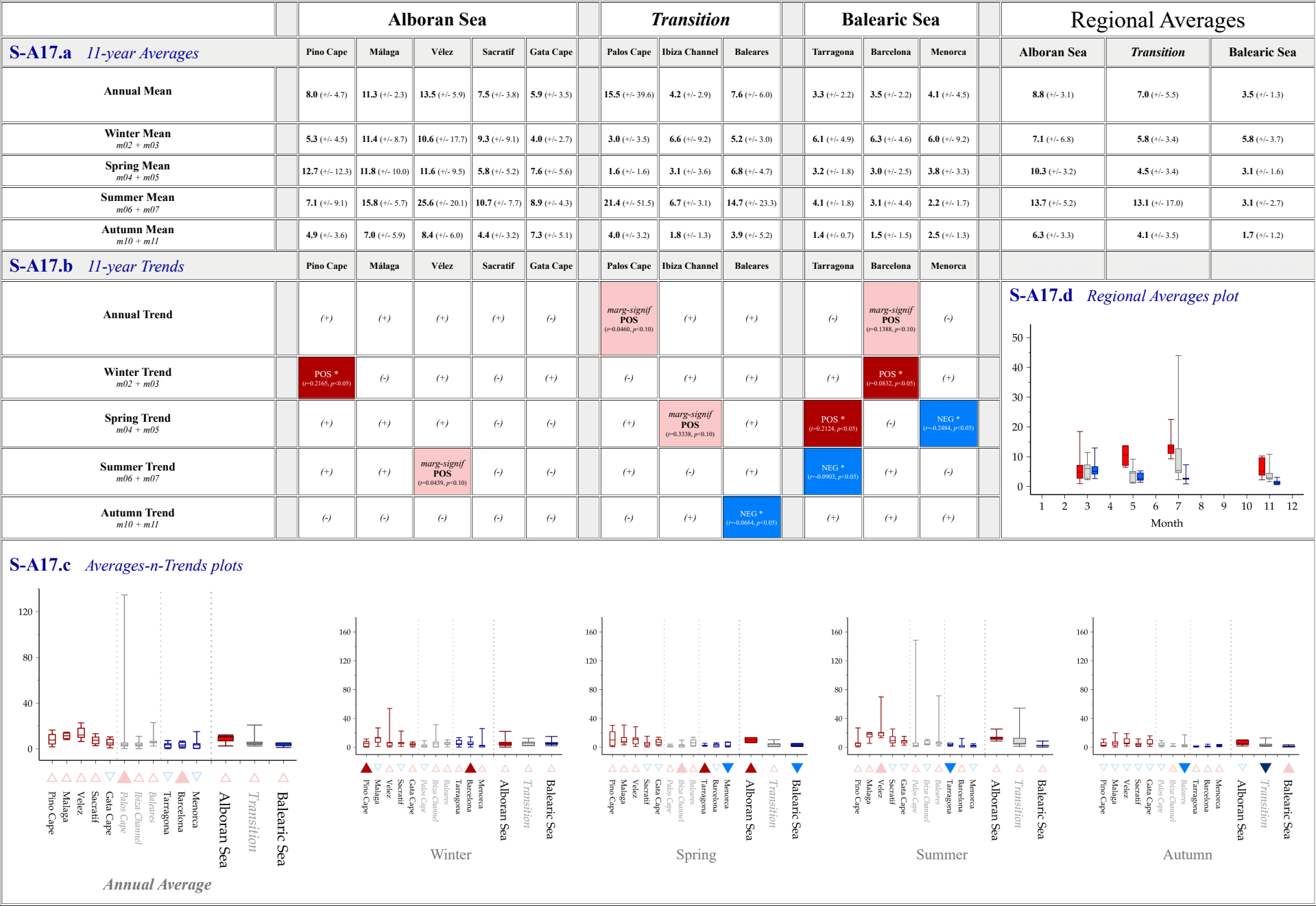


Table S-A18 Total Chaetognaths (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

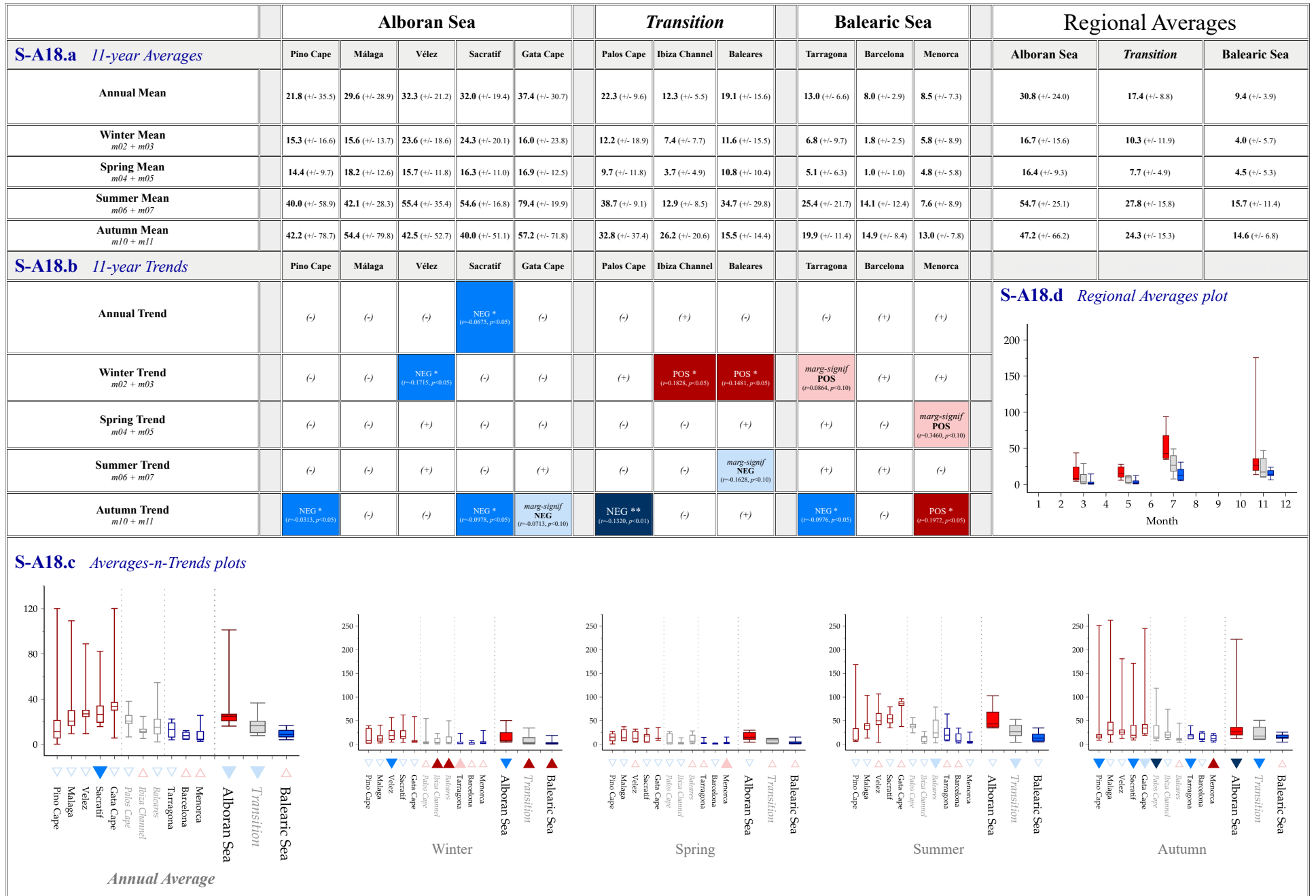


Table S-A19 Total Pteropods (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

S-A19.a 11-year Averages

	Pino Cape	Málaga	Vélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Baleares	Tarragona	Barcelona	Menorca	Alboran Sea	Transition	Balearic Sea
Annual Mean	4.6 (+/- 5.4)	4.7 (+/- 5.0)	5.0 (+/- 5.0)	4.4 (+/- 3.3)	6.5 (+/- 7.4)	5.5 (+/- 3.9)	11.0 (+/- 10.6)	5.7 (+/- 3.6)	16.4 (+/- 19.1)	5.3 (+/- 3.1)	4.6 (+/- 2.5)	4.7 (+/- 4.3)	7.3 (+/- 5.0)	7.6 (+/- 4.6)
Winter Mean <i>m02 + m03</i>	3.1 (+/- 6.1)	1.0 (+/- 0.9)	2.5 (+/- 3.2)	0.8 (+/- 0.6)	1.3 (+/- 1.8)	5.3 (+/- 12.6)	3.7 (+/- 6.9)	5.3 (+/- 10.1)	7.2 (+/- 9.3)	2.3 (+/- 2.3)	3.7 (+/- 5.6)	1.8 (+/- 2.2)	4.8 (+/- 9.0)	3.8 (+/- 4.9)
Spring Mean <i>m04 + m05</i>	4.6 (+/- 5.3)	8.2 (+/- 14.9)	6.2 (+/- 12.2)	7.4 (+/- 8.6)	4.2 (+/- 3.7)	2.6 (+/- 4.2)	2.4 (+/- 2.8)	2.5 (+/- 3.4)	1.4 (+/- 1.1)	2.3 (+/- 2.6)	2.0 (+/- 1.6)	6.1 (+/- 9.0)	2.6 (+/- 1.7)	1.7 (+/- 1.2)
Summer Mean <i>m06 + m07</i>	7.4 (+/- 14.2)	4.5 (+/- 5.8)	3.6 (+/- 4.9)	4.7 (+/- 3.6)	8.4 (+/- 9.3)	8.8 (+/- 6.9)	15.9 (+/- 26.9)	5.1 (+/- 4.6)	41.7 (+/- 79.0)	5.9 (+/- 4.7)	4.3 (+/- 3.8)	5.6 (+/- 6.6)	9.4 (+/- 10.0)	15.7 (+/- 25.6)
Autumn Mean <i>m10 + m11</i>	4.0 (+/- 4.5)	6.3 (+/- 8.3)	5.7 (+/- 6.7)	4.4 (+/- 7.2)	7.6 (+/- 10.0)	5.8 (+/- 7.5)	18.9 (+/- 27.0)	9.2 (+/- 9.1)	12.9 (+/- 10.9)	10.2 (+/- 12.7)	6.4 (+/- 5.0)	5.5 (+/- 6.7)	10.7 (+/- 12.3)	9.3 (+/- 8.8)

S-A19.b 11-year Trends

	Pino Cape	Málaga	Vélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Baleares	Tarragona	Barcelona	Menorca	Alboran Sea	Transition	Balearic Sea
Annual Trend	<i>marg-signif</i> POS (<i>r</i> =0.0279, <i>p</i> =0.10)	POS * (<i>r</i> =0.1217, <i>p</i> =0.05)	POS ** (<i>r</i> =0.1762, <i>p</i> =0.01)	POS * (<i>r</i> =0.1265, <i>p</i> =0.05)	POS * (<i>r</i> =0.1151, <i>p</i> =0.05)	(+)	NEG * (<i>r</i> =0.1358, <i>p</i> =0.05)	<i>marg-signif</i> POS (<i>r</i> =0.0833, <i>p</i> =0.10)	(+)	<i>marg-signif</i> POS (<i>r</i> =0.1163, <i>p</i> =0.10)	(+)			
Winter Trend <i>m02 + m03</i>	(+)	(-)	(+)	(+)	(+)	(+)	(+)	POS ** (<i>r</i> =0.0781, <i>p</i> =0.01)	POS * (<i>r</i> =0.1792, <i>p</i> =0.05)	POS * (<i>r</i> =0.2151, <i>p</i> =0.05)	(+)			
Spring Trend <i>m04 + m05</i>	(+)	<i>marg-signif</i> POS (<i>r</i> =0.1218, <i>p</i> =0.10)	POS * (<i>r</i> =0.0578, <i>p</i> =0.05)	<i>marg-signif</i> POS (<i>r</i> =0.1774, <i>p</i> =0.10)	(-)	(+)	(+)	(+)	<i>marg-signif</i> POS (<i>r</i> =0.3000, <i>p</i> =0.10)	(-)	(+)			
Summer Trend <i>m06 + m07</i>	<i>marg-signif</i> POS (<i>r</i> =0.0858, <i>p</i> =0.10)	POS * (<i>r</i> =0.2083, <i>p</i> =0.05)	POS * (<i>r</i> =0.2948, <i>p</i> =0.05)	POS * (<i>r</i> =0.1530, <i>p</i> =0.05)	POS * (<i>r</i> =0.1630, <i>p</i> =0.05)	(+)	(-)	(+)	(+)	<i>marg-signif</i> POS (<i>r</i> =0.2220, <i>p</i> =0.10)	(-)			
Autumn Trend <i>m10 + m11</i>	(+)	(+)	<i>marg-signif</i> POS (<i>r</i> =0.1094, <i>p</i> =0.10)	(+)	POS * (<i>r</i> =0.0694, <i>p</i> =0.05)	(+)	(-)	(-)	(-)	(+)	(+)			

S-A19.c Averages-n-Trends plots

S-A19.d Regional Averages plot

S-A19.d Regional Averages plot

Table S-A20 Total Polychaetes (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

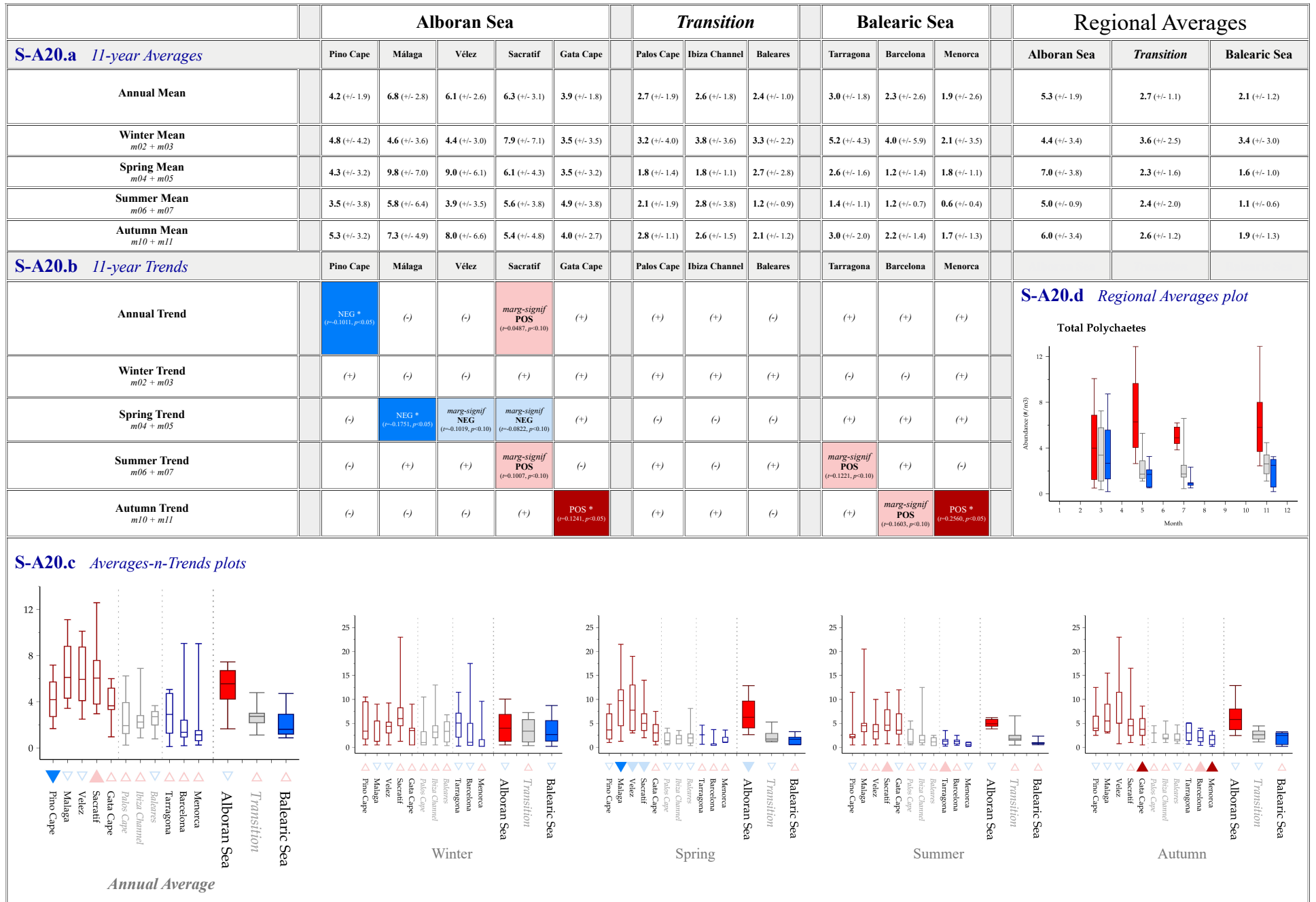


Table S-A21 Total Other Meroplankton Larvae (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

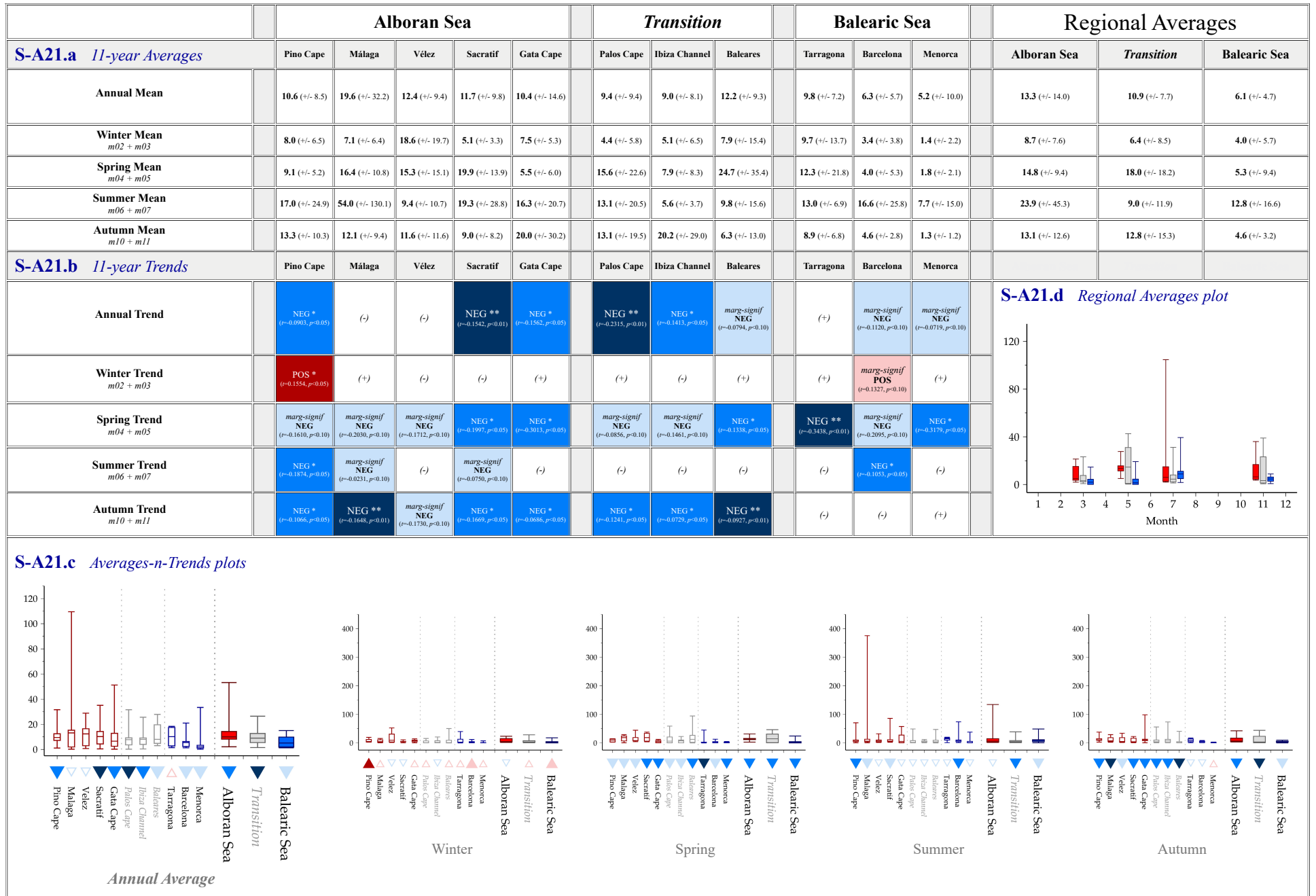


Table S-A22 Total Appendicularia (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

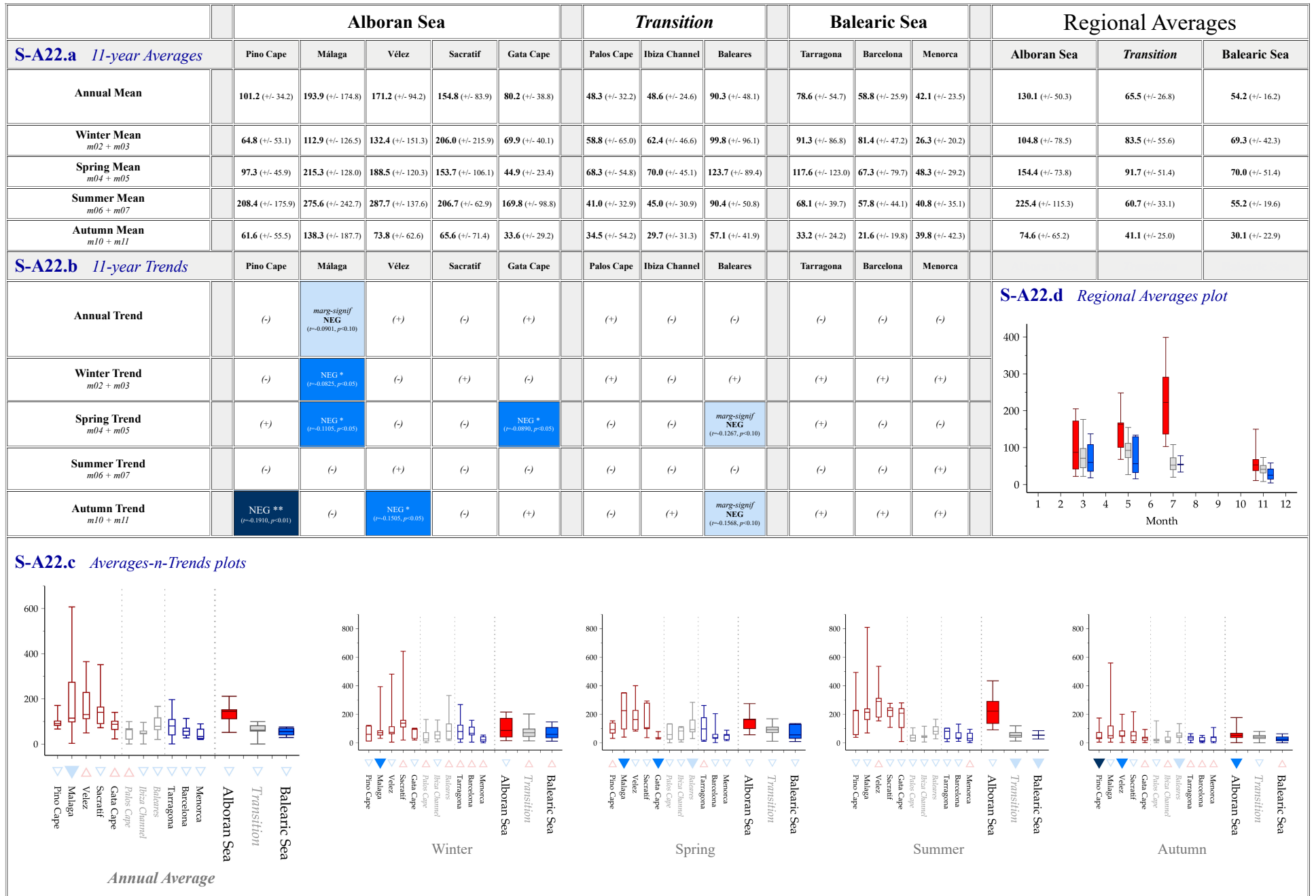


Table S-A23 Total Doliolids (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

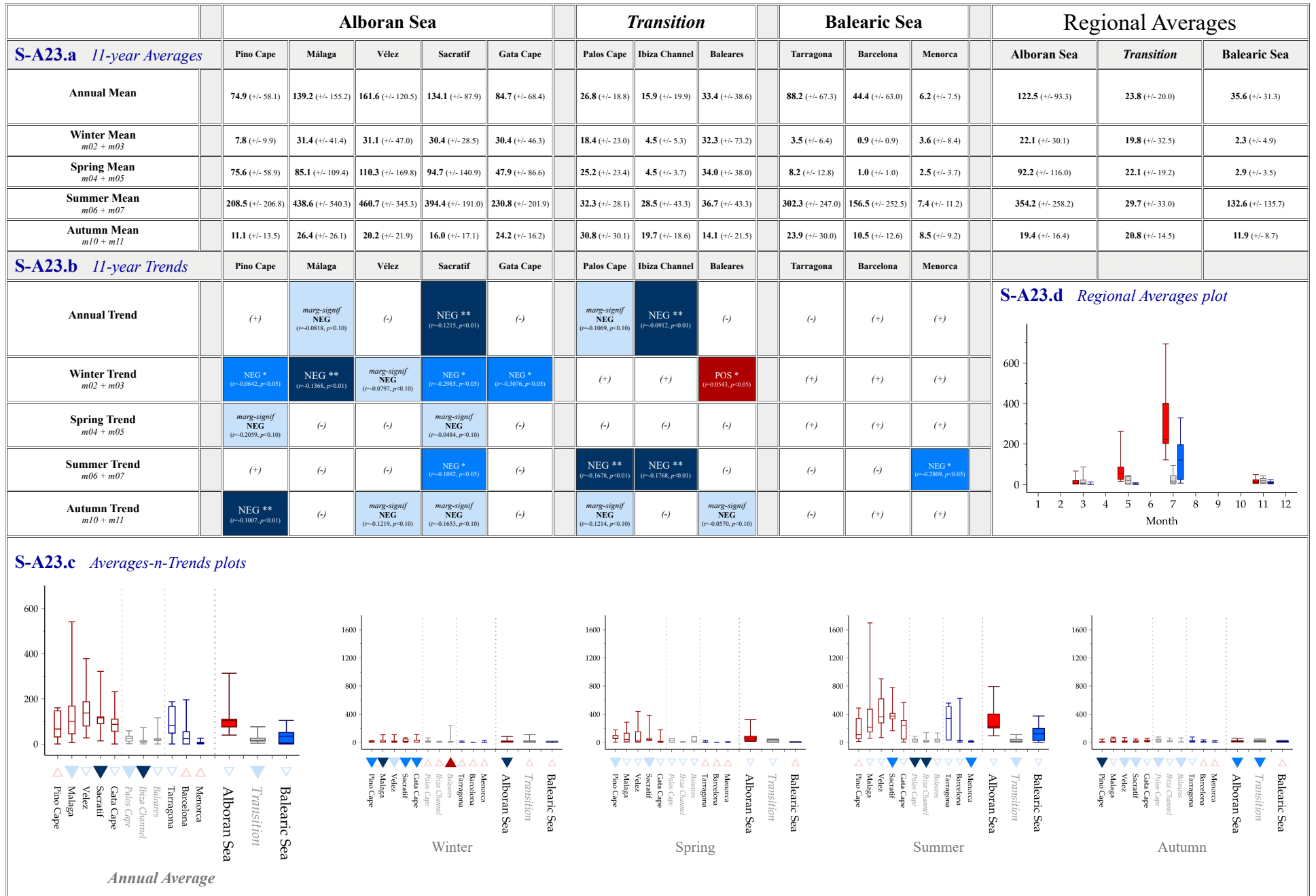


Table S-A24 Total Salps (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

		Alboran Sea					Transition			Balearic Sea			Regional Averages		
S-A24.a 11-year Averages		Pino Cape	Málaga	Vélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Baleares	Tarragona	Barcelona	Menorca	Alboran Sea	Transition	Balearic Sea
Annual Mean		0.7 (+/- 0.6)	6.9 (+/- 14.2)	1.4 (+/- 1.9)	2.5 (+/- 2.9)	5.3 (+/- 4.1)	4.5 (+/- 5.8)	16.9 (+/- 25.5)	7.1 (+/- 19.2)	23.8 (+/- 48.8)	7.7 (+/- 12.2)	9.3 (+/- 18.7)	2.8 (+/- 3.4)	8.8 (+/- 11.1)	13.2 (+/- 27.2)
Winter Mean m02 + m03		1.3 (+/- 2.0)	4.4 (+/- 7.1)	4.7 (+/- 8.6)	7.5 (+/- 12.5)	4.7 (+/- 9.4)	9.8 (+/- 16.6)	28.8 (+/- 42.3)	27.4 (+/- 78.3)	34.8 (+/- 68.0)	7.1 (+/- 13.1)	16.7 (+/- 27.6)	4.5 (+/- 7.2)	24.1 (+/- 39.8)	16.7 (+/- 33.3)
Spring Mean m04 + m05		0.5 (+/- 0.1)	0.5 (+/- 0)	0.4 (+/- 0)	0.7 (+/- 0.9)	15.8 (+/- 17.7)	7.8 (+/- 12.4)	25.2 (+/- 49.5)	1.4 (+/- 2.4)	20.3 (+/- 30.9)	11.4 (+/- 17.8)	0.8 (+/- 0.6)	2.4 (+/- 3.1)	11.4 (+/- 20.4)	12.4 (+/- 17.5)
Summer Mean m06 + m07		0.5 (+/- 0)	22.9 (+/- 63.4)	0.5 (+/- 0.5)	0.4 (+/- 0.5)	1.7 (+/- 3.3)	0.5 (+/- 0.1)	1.0 (+/- 1.2)	1.1 (+/- 2.3)	0.2 (+/- 0)	1.3 (+/- 2.1)	0.7 (+/- 0.4)	5.0 (+/- 12.7)	0.4 (+/- 0.4)	0.5 (+/- 0.7)
Autumn Mean m10 + m11		1.2 (+/- 1.5)	0.9 (+/- 1.2)	0.4 (+/- 0.1)	0.6 (+/- 1.0)	0.8 (+/- 0.5)	0.9 (+/- 0.9)	2.4 (+/- 2.8)	2.0 (+/- 2.9)	1.2 (+/- 0.6)	1.9 (+/- 2.5)	3.3 (+/- 3.8)	0.6 (+/- 0.4)	1.6 (+/- 1.8)	1.6 (+/- 1.6)
S-A24.b 11-year Trends		Pino Cape	Málaga	Vélez	Sacratif	Gata Cape	Palos Cape	Ibiza Channel	Baleares	Tarragona	Barcelona	Menorca	S-A24.d Regional Averages plot		
Annual Trend		(-)	(+)	(-)	(-)	marg-signif NEG ($r=-0.1192$, $p<0.10$)	(+)	marg-signif NEG ($r=-0.0517$, $p<0.10$)	NEG ** ($r=-0.0313$, $p<0.01$)	NEG * ($r=-0.0978$, $p<0.05$)	NEG * ($r=-0.0025$, $p<0.05$)	(-)			
Winter Trend m02 + m03		(-)	(-)	(-)	(-)	(-)	(+)	NEG * ($r=-0.0803$, $p<0.05$)	marg-signif NEG ($r=-0.0023$, $p<0.10$)	(-)	marg-signif NEG ($r=-0.1408$, $p<0.10$)	(-)			
Spring Trend m04 + m05		(+)			(+)	NEG ** ($r=-0.2857$, $p<0.01$)	(+)	(+)	NEG * ($r=-0.0714$, $p<0.05$)	(-)	marg-signif NEG ($r=-0.3731$, $p<0.10$)	(+)			
Summer Trend m06 + m07			(+)	(-)	(+)	(-)	(+)	(-)	(-)		(-)	(-)			
Autumn Trend m10 + m11		(-)	(+)	(+)	(+)	(-)	(-)	(-)	(-)	(-)	(+)	POS * ($r=0.3272$, $p<0.05$)			
S-A24.c Averages-n-Trends plots															
Annual Average															
Winter															
Spring															
Summer															
Autumn															

Table S-A25 Total Siphonophores (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

S-A25.a *11-year Averages*

	Pino Cape	Málaga	Vélez	Sacratif	Gata Cape
Annual Mean	27.6 (+/- 8.6)	37.8 (+/- 20.0)	44.0 (+/- 35.5)	39.2 (+/- 20.2)	20.6 (+/- 15.0)
Winter Mean <i>m02 + m03</i>	30.7 (+/- 47.4)	32.4 (+/- 40.5)	40.9 (+/- 43.3)	27.6 (+/- 19.6)	9.3 (+/- 4.3)
Spring Mean <i>m04 + m05</i>	57.3 (+/- 29.0)	52.5 (+/- 53.6)	48.8 (+/- 58.9)	72.3 (+/- 47.8)	31.8 (+/- 37.6)
Summer Mean <i>m06 + m07</i>	21.4 (+/- 11.4)	44.8 (+/- 26.6)	52.6 (+/- 35.5)	47.9 (+/- 38.0)	35.4 (+/- 45.3)
Autumn Mean <i>m10 + m11</i>	9.4 (+/- 9.1)	22.6 (+/- 19.9)	20.5 (+/- 14.4)	14.9 (+/- 11.2)	15.1 (+/- 7.4)

S-A25.b *11-year Trends*

	Pino Cape	Málaga	Vélez	Sacratif	Gata Cape
Annual Trend	(-)	(-)	(-)	(-)	(-)
Winter Trend <i>m02 + m03</i>	(+)	(-)	(+)	(-)	NEG * (<i>r</i> =0.1622, <i>p</i> =0.05)
Spring Trend <i>m04 + m05</i>	(-)	(-)	(+)	(-)	NEG * (<i>r</i> =0.1684, <i>p</i> =0.05)
Summer Trend <i>m06 + m07</i>	NEG * (<i>r</i> =0.1112, <i>p</i> =0.05)	(-)	(-)	(-)	(+)
Autumn Trend <i>m10 + m11</i>	marg-signif NEG (<i>r</i> =0.1059, <i>p</i> =0.10)	(-)	(-)	(-)	(+)

S-A25.c *Averages-n-Trends plots*

S-A25.d *Regional Averages plot*

Table S-A26 Total Jellyfish small (ind. m⁻³) trends in the western Mediterranean Sea (2007-2017)

