

# OCEANIC CONDITIONS 2009



Followings are the data of the fixed point observation at our set net (two and a half nautical miles away from the coast line of Algarve, Portugal)  
 Since 1995 we have been trying to collect the data as many as possible. This is the fruit of the daily fishermen's efforts.

## JANUARY 2009

\* WEATHER : L = SUNNY, PN = MOSTLY SUNNY, N = CLOUDY, CH = RAIN

DAY	AM										PM									
	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.
		SURFACE	BOTTOM									SURFACE	BOTTOM							
1																				
2																				
3																				
4																				
5	10:25	14.5	15	14	E 0	N 0	20	SW 0,5	PN											
6																				
7																				
8																				
9																				
10																				
11																				
12	9:30	14	14	11	W 0	NE 0	17	E 0,5	L											
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21	9:26	14.5	14	11	E 1,36	SW 0	15	SW 0,5~1	L											
22																				
23																				
24																				
25																				
26																				
27																				
28	8:45	14	14	14	E 0,72	W 0	13	SW<1	N											
29																				
30																				
31																				

AVERAGE	14.3	14.3	12.5
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AVERAGE			
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## FEBRUARY 2009

\* WEATHER : L = SUNNY, PN = MOSTLY SUNNY, N = CLOUDY, CH = RAIN

DAY	AM										PM									
	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.
		SURFACE	BOTTOM									SURFACE	BOTTOM							
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18	9:20	14	14	12	W 0,23	E 0	10	SE 1~1,5	L											
19	8:05	13.5	14	11	W 0	NE 0	11	SW 0	L											
20	7:55	13	13.5	11.5	W 0,23	E 0	10	SW 0	L											
21																				
22																				
23																				
24																				
25	8:15	14	14	13	W 0,33	E 1	13	E 0	N											
26																				
27																				
28																				

AVERAGE	13.6	13.9	11.9
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AVERAGE			
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# OCEANIC CONDITIONS 2009



Followings are the data of the fixed point observation at our set net (two and a half nautical miles away from the coast line of Algarve, Portugal)  
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## MARCH 2009

\* WEATHER : L = SUNNY, PN = MOSTLY SUNNY, N = CLOUDY, CH = RAIN

DAY	AM										PM									
	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.
		SURFACE	BOTTOM									SURFACE	BOTTOM							
1																				
2	7:48	14.5	14	11.5	W 0,23	E 0	7	SW 1	N											
3	7:50	14	14	11	W 0	NW 0	9	SW 0,5	N											
4	7:45	14	14	11	E 0,68	W 1	9	W 0	N											
5																				
6	7:52	14.5	14	13	E 0,80	W 1	8	SW 1~1,5	N											
7																				
8																				
9	7:35	14.5	14.5	14	E 0,35	E 0	7	SE 0	PN											
10																				
11																				
12	7:17	15	14.5	14	W 0,62	E 1	7	SE 1,5~2	L											
13																				
14	7:30	14.5	13	14	W 0,59	N 0	5	SE 1~1,5	L											
15																				
16																				
17																				
18																				
19																				
20	7:30	15.5	15.5	15	W 0,23	N 0	7	SE 1~1,5	N											
21	7:30	15	14	17	W 0,23	W 0	6	SW<1	L											
22																				
23																				
24																				
25	7:20	15.5	15	13	E 0,47	E 1	8	SE1~1,5	N											
26	6:15	15	14	14	W 0,65	E 0	8	SE 1~1,5	L											
27	6:46	16	15	15	W 0,68	SE 0	6	SE 1~1,5	N											
28	6:20	16.5	15	13	W 0	W 0	6	SW 0	C											
29																				
30	7:40	14.5	13.5	10	E 0,48	N 1	10	SW 0	L											
31	7:35	14.5	13	14	E 0,50	N 0	10	SE<1	L											

AVERAGE	14.9	14.2	13.3
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AVERAGE			
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## APRIL 2009

\* WEATHER : L = SUNNY, PN = MOSTLY SUNNY, N = CLOUDY, CH = RAIN

DAY	AM										PM									
	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.
		SURFACE	BOTTOM									SURFACE	BOTTOM							
1	7:51	15	14	11	E 0,37	N 0	10	SW 0,5	N											
2	7:50	15	14	10.5	E 0,57	N 0	14	SW 0	L											
3	6:50	14.5	13	12	E 0,44	N 0	10	SW 0	L											
4	6:50	15	14	12	E 0,34	N 0	10	SW 0	L											
5																				
6	6:52	15.5	15	13	E 0,45	0	10	SE 0	L											
7	6:50	15.4	13	12	E 0,47	N 0	10	SW 0	L											
8	6:55	14	13	10	E 0,50	N 0	10	SW<1	L											
9	6:50	14	13	12	E 0	N 0	9	SW 0	L											
10																				
11																				
12																				
13	6:45	14	13	12	E 0,85	N 0	9	SW 0	L											
14	6:50	14.5	13	12	E 1,05	NW 0	10	SW 0	N											
15	6:50	14	13	12	E 0,91	NW 0	9	SW 1~1,5	PN											
16	6:50	14	13	12	E 0,91	NW 0	9	SW 1~1,5	PN											
17	6:55	14	13	13	E 0,76	N 0	10	SW 1	PN											
18	6:52	14.5	13	12	E 0,35	N 0	8	SW 1	N											
19																				
20	6:50	14	13.5	12	E 0,45	N 0	10	SW<1	L											
21	6:50	14.5	13.5	13	E 0,44	N 0	8	SW 0	L											
22	6:45	14.5	13.5	12	E 0,50	N 0	8	SW 0	L											
23	6:55	15	13.5	14	E 0,50	N 0	10	SW 0	L											
24	7:00	15.5	14	15	W 0	NE 0	10	SE 1,5	L											
25	7:11	14.5	14	11	E 0,23	NW 1	7	SW 0	L											
26	7:00	14	13.5	10	E 0,59	NE 0	8	SE 0	C											
27	6:55	14	13	10	E 0,76	NW 0	7	SW 0	L											
28	6:45	14	13.5	13	E 0,68	NW 0	8	SW 0	PN											
29	7:00	14	14	12	E 0,59	NW 0	8	SW 0	L											
30	6:50	14	13.5	13	E 0,91	N 0	10	SW 0	L											

AVERAGE	14.5	13.5	12.0
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AVERAGE			
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# OCEANIC CONDITIONS 2009



Followings are the data of the fixed point observation at our set net (two and a half nautical miles away from the coast line of Algarve, Portugal)  
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## MAY 2009

\* WEATHER : L = SUNNY, PN = MOSTLY SUNNY, N = CLOUDY, CH = RAIN

DAY	AM										PM									
	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.
		SURFACE	BOTTOM									SURFACE	BOTTOM							
1	6:40	14	13.5	11	E 0,80	N 0	9	SW 0	L											
2	6:55	14.5	13.5	14	E 0,54	E 0	10	SE 1~1,5	L											
3																				
4	7:50	14.5	14	15	W 0,65	NE 0	7	SE 1,5~2	L	14:38	17	15	21	W 0,59	SE 0	9	SE 1~1,5	L		
5	6:50	15.5	14.5	15	W 0,23	NE 0	15	SE 2~2,5	L	14:30	17.5	15.5	19	W 0,32	SE 0	19	SE 1	L		
6	7:00	16	14.5	17	W 0,65	NE 0	15	SE 1~1,5	L	14:30	17.5	16	23	W 0,43	E 0	13	SE 1~1,5	L		
7	7:00	16.5	15	18	W 0,85	NE 0	15	SE 1~1,5	L	14:30	18	17	20	W 0,23	SE 0	19	SE 0,5~1	L		
8	7:00	17	15.5	17	W 0,68	NE 0	15	SE 1~1,5	L	14:30	17.5	16	21	W 0	SE 0	15	SE 0,5~1	N		
9	6:00	17	15.5	18	W 0,23	E 0	8	SE 0,5	N/C											
10	6:15	16.5	16	17	W 0	NW 0	11	SW 1,5	N											
11										14:25	16.5	16	20	E 0,52	SW 0	14	SW 1~1,5	PN		
12	6:40	15.5	14	14	E 0	N 0	13	SW 0,5	PN	14:40	16.5	16	19	E 0,45	W 0	11	SW 1~1,5	PN		
13	6:30	15	14.5	13	E 0	SW 0	13	SW 0,5	L	15:10	16	15.5	17	E 0,72	W 0	14	SW 1~1,5	N		
14	6:30	15.5	15	15	E 0,45	W 0	9	SW 0,5~1	N	14:50	16.5	15.5	21	E 0,37	SW 0	12	SW 0	L		
15	6:40	15.5	14	11	E 0,54	N 1	8	SW 0,5	L	14:45	16.5	15.5	19	E 1,13	SW 0	13	SW 0	L		
16	6:30	15.5	14.5	15	E 0,85	N 0	12	SW 0	L											
17	6:00	15.5	14	14.5	E 0,97	NW 0	10	SW 0	L											
18	6:30	15	14	14	E 1,05	N 0	11	SW 0	L											
19	6:30	14.5	13.5	12	E 0,85	N 0	9	SW 0	L	13:50	16.5	14.5	16.5	E 1,24	SW 1	12	SW 0	L		
20	6:30	15.5	14	15	E 0,97	N 0	11	SW 0	L	13:50	17	15.5	21	E 0,45	SE 0	13	SE 0,5~1	L		
21	6:25	16	15	16	0	S 0	8	SE 0,5~1	N											
22	6:30	15	14.5	16	W 0	N 0	7	SW 0	L	14:30	16.5	15.5	18	E 0	SW 2	6	SW 0	PN		
23	6:10	15.5	14.5	14.5	E 0	SW 1	6	SW 0,5	N											
24	6:15	15.5	15	14	W 0,35	N 0	9	SW 0,5	L											
25	6:20	16	15	14.5	W 0	NW 1	9	SW 0	L	14:20	16.5	15.5	20	E 0,45	SW 0	13	SW 0,5	PN		
26	6:30	16	15.5	13.5	W 0	NE 2	9	E 0	L	14:20	16.5	15.5	21	E 0,57	W 0	13	SW 0	L		
27	6:15	16.5	14.5	17.5	E 0,33	NE 1	10	E 0	L	12:00	16.5	15.5	24	E 0,43	SE 0	15	SE 0	L		
28																				
29																				
30	10:40	19	18.5	24	W 0,85	E 0	9	SE 1,5~2	L											
31	6:15	19.5	18	18	W 0,28	NW	7	SE 0,5	N											

AVERAGE	15.9	14.8	15.3
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AVERAGE	16.8	15.6	20.0
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## JUNE 2009

\* WEATHER : L = SUNNY, PN = MOSTLY SUNNY, N = CLOUDY, CH = RAIN

DAY	AM										PM									
	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.
		SURFACE	BOTTOM									SURFACE	BOTTOM							
1	6:35	19.5	18.5	19.5	W 0,32	W 0	7	S 0	L	14:35	20.5	18.5	22	W 0	SW 2	6	SW 0,5~1	L		
2	6:40	19	18	18	W 0	SW 0	9	SW 0,5	L	14:30	18.5	18	19	E 0,52	SW 2	6	SW 1~1,5	L		
3	6:45	17	16	16	E 0	NE 0	9	SW 0,5	N	14:30	19	16.5	21.5	NE 0,54	SW 1	9	SW 0	N		
4	6:40	18	16.5	19	W 0,34	W 0	9	SW 0	PN	14:30	18.5	17	19	W 0	SW 1	7	SW 0,5~1	N		
5	6:20	17.5	16	17	W 0	N 0	9	SW 0	PN	14:30	17.5	17	17.5	E 0,50	SW 2	6	SW 0,5~1	N		
6	6:15	16	14.5	16	E 0,50	W 0	9	SW 1~1,5	PN											
7	6:10	14.5	14	14.5	E 0,76	N 0	15	SW 0	L											
8	6:20	16.5	14	16.5	E 0,68	SW 0	8	SW 0,5~1	N	14:50	16	14	19	E 1,05	NW 0	9	SW 1~1,5	N		
9	6:05	15	13.5	13.5	E 0,36	N 0	10	SW 0,5	L											
10																				
11																				
12	6:30	17.5	16.5	20	E 0,23	N 0	12	SE 1	L	14:45	20.5	17.5	31	E 0,54	NE 0	13	SE 1	L		
13	6:20	17.5	16.5	18	W 0,34	NE 0	8	SE 1,5	PN											
14	6:10	19	16.5	20.5	W 0,39	S 0	9	S-SW 0	N											
15	6:20	20	18.5	22	W 0,23	NE 0	15	SE 0,5	L	14:25	20	19	20	W 0	W 0	9	SW 0,5	C		
16	6:20	20	18	21	W 0	NW 0	11	SW 0	N	14:25	21	19	21	W 0	SE 1	10	SE 0	L		
17	6:30	21	19	22	W 0	NE 0	11	SE 0,5	L	14:30	22	19.5	26	W 0	0	10	SE 1~1,5	PN		
18	6:30	21.5	19.5	23	W 0,32	SE 0	11	SE 1,5~2	PN	14:25	22.5	19	25	W 0,32	SE 0	11	SE 1,5~2	N		
19	6:50	21.5	19.5	22	W 0,57	SE 0	11	SE 1	N	14:30	22.5	19	21	W 0	SW 1	9	SW 0	PN		
20	5:50	21.5	18.5	22	SW 0,31	SW 0	8	SW 0	PN											
21	6:10	21.5	18.5	23	W 0,26	0	11	SW 0	L											
22	6:00	21.5	19.5	20	W 0,43	SW 1	8	SW 0	PN	14:35	22.5	20	26.5	W 0	SW 0	10	SW 0,5	L		
23	6:10	22	20.5	18.5	W 0,32	N 0	8	SW 0	L	14:40	22.5	20	25	W 0	SW 0	8	SW 0,5	L		
24	6:20	21.5	18	18	W 0	N 0	9	SW 0	L	14:45	22	19.5	24	E 0	W 1~2	9	SW 0,5	L		
25	6:25	18	15	17.5	E 0,72	NW 0	8	SW 0	PN	14:30	18.5	16	23	E 1,13	SW 0~1	11	SW <1	L		
26	6:15	17	14.5	16	E 0,85	SW 0	8	SW 0	PN	14:35	18	16	24	E 1,24	W 0~1	10	SW 0	L		
27	6:00	16.5	15	19	E ,091	NE 0	9	SW 0	L											
28	6:10	16.5	15	17	E 0,76	SW 0	7	SW 0	N											
29	6:00	16.5	15	20	E 0,26	SW 0	7	SW 0	PN	14:35	18.5	16	23	E 0,47	SW 1	7	SW 0	PN		
30	6:00	17.5	16	20	W 0	NW 0	6	SW 0	L	14:00	17.5	16	21	E 0	SW 1	6	SW 0,5	L		

AVERAGE	18.6	16.8	18.9
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AVERAGE	19.9	17.8	22.6
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# OCEANIC CONDITIONS 2009



Followings are the data of the fixed point observation at our set net (two and a half nautical miles away from the coast line of Algarve, Portugal)  
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## JULY 2009

\* WEATHER : L = SUNNY, PN = MOSTLY SUNNY, N = CLOUDY, CH = RAIN

DAY	AM										PM									
	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.
		SURFACE	BOTTOM									SURFACE	BOTTOM							
1	6:20	17	16	21	E 0	NW 0	6	SW 0	L		14:35	19.5	17	23	E 0,68	SW 1	9	SW 0	L	
2	6:25	17.5	16	20	E 0,36	N 0	8	SW 0	L		14:30	19.5	17.5	22	E 1,05	SW 1	9	SW 0	L	
3	6:00	17.5	16	20	E 0,43	NE 0	7	SW 0	L		14:25	17.5	15.5	21	E 0,45	SW 1	8	SW 0,5	L	
4	5:45	15.5	15	17	E 0,24	SW 0	8	SW 0	PN											
5	6:30	15.5	14.5	18	NE 0,45	N 0	12	W 0	L											
6	6:00	15.5	15	15.5	E 0,45	NW 0	9	SW 0	L		14:35	18	15	21	E 1,05	W 0	10	SW 0	L	
7	6:00	15.5	14.5	15	E 0,40	NW 0	10	SW 0	L		14:35	17	15	21	E 1,24	W 1	10	SW 0	L	
8	6:10	17	15	15	E 0,24	NW 0	7	SW 0	L		14:40	18	16	22	E 1,13	W 0	10	SW 0	L	
9	6:14	16	14.5	16	E 0,49	NE 0	8	SW 0	L		14:30	18	16	23	E 0,97	W 0	8	SW 0	L	
10	6:10	17.5	15.5	17	E 0	N 0	9	SW 0	L		14:30	18	16	21	E 0,54	W 0	6	SW 0	L	
11	5:35	17	15	18	E 0	NE 0	4	SW 0	L											
12	8:20	17.5	17	21	W 0	NE 0	6	SE 0	L											
13	6:00	18	16	20	E 0	N 0	11	SE 0	L		14:40	19.5	17	26	E 0,49	SW 1	11	SW 0,5	L	
14	5:50	18	16	19	E 0,44	N 0	11	SE 0	L		14:30	19	17	22	E 1,05	W 1~2	15	SW 0,5	L	
15	6:00	16	14	18	E 0,41	N 0	11	SW 0	L		14:30	18	16.5	14	E 0,97	SW 2	11	SW 0	L	
16	5:45	17	15	19	E 0,57	N 0	10	SW 0	L		14:35	18.5	16	21	E 0,65	SW 1	14	SW 0,5	L	
17	6:00	17	15	17	E 0,54	N 0	12	SW 0	L		14:30	19	16.5	19.5	E 0,97	SW 1	13	SW 0,5	L	
18	7:30	18	16.5	17	E 0,57	N 0	9	SW 0	L											
19	6:15	18	16	20	E 0,52	N 0	10	SE 0,5~1	L											
20	6:15	18	17	19	W 0,25	SE 1	5	SE 2	N											
21	6:30	19	17.5	19	W 0,72	SE 1	6	SE 1,5~2	N		14:40	19.5	17.5	20	W 0,40	SE 0	10	SE 0	N	
22	6:20	18.5	17.5	17	W 0,50	N 1	9	SW 0,5	N		14:50	19.5	18	21	W 0	SW 1~2	11	SW 1	L	
23	6:20	19	17	20	W 0	SW 1	8	SW 0,5	N		14:35	20	18.5	23	W 0	SW 1	10	SW 0,5	L	
24	6:20	20	18	17	W 0,45	N 0	10	SW 0,5	L		14:45	21	19	24	W 0	SW 0	12	SW 0,5	L	
25	6:05	20	18	19	W 0	NE 0	10	SW 0	L											
26	6:15	21	19	20	W 0	NE 0	10	SW 0	L											
27	6:05	20.5	18.5	20	W 0	N 0	9	SE 0,5	L		14:30	21.5	19	22	E 0	SW 1	10	SW 0,5	L	
28	6:15	20.5	19	21	W 0,39	NE 0	11	SW 0,5	L		14:30	22	19	23	E 0	SW 0	11	SW 0	L	
29	6:20	21	19	21	W 0,35	N 0	12	SW 0	L		14:30	22	20	22	E 0	SW 1	12	SW 0,5	L	
30	6:20	21.5	19	22	W 0	N 0	12	SW 0	L		14:30	22.5	20	24	E 0,23	SW 0	10	SW 0	L	
31	6:17	21.5	19.5	21	W 0	N 0	11	SW 0	L		14:25	22.5	19.5	21	E 0,23	SW 1	13	SW 0,5	L	

AVERAGE	18.1	16.5	18.7
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AVERAGE	19.5	17.3	21.7
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## AUGUST 2009

\* WEATHER : L = SUNNY, PN = MOSTLY SUNNY, N = CLOUDY, CH = RAIN

DAY	AM										PM									
	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.
		SURFACE	BOTTOM									SURFACE	BOTTOM							
1	6:10	21	17	15.5	E 0	NE 1	11	SW 0	L											
2	6:12	19.5	17	18	E 0	N 1	10	0	L											
3	6:20	18	15.5	19	E 0,59	N 1	6	E 0	L		14:30	20.5	17	21.5	E 1,36	SW 1	12	SW 0	L	
4	6:15	18.5	16	19.5	E 0,62	N 0	15	SW 0	L		14:50	20.5	16	25	E 0,65	SE 0	13	SE 0	L	
5	6:25	19	15.5	19	E 0	0	10	S 0,5~1	L		14:35	20	18	27	E 0	SW 0	12	SE 0,5	L	
6	6:25	20	16.5	19.5	W 0,44	N 0	12	SW 0	L		14:35	20.5	18	24	W 0	W 0~1	12	SW 0	PN	
7	6:25	20	18	17	W 0	N 0	10	SW 0,5	L		14:35	20	18	22	E 0,72	SW 1~2	10	SW 0,5	PN	
8	6:15	18.5	16.5	18	E 0,40	N 0	9	SW 0	L											
9	6:20	17	15	16	E 0,45	SW 0	8	SW 0	L											
10	6:30	17	15	18	E 0	NE 0	9	SW 0	L		14:33	20	16	22	W 0,23	SE 0	9	SE 0	L	
11	6:30	19.5	17	20	W 0,43	NE 0	14	SW 0	L		16:20	21	17	24	W 0	SW 0	10	SW 0,5	PN	
12	6:30	20.5	17.5	21	W 0,39	NE 0	12	SE 0,5~1	L		14:25	22.5	19	26	W 0	SE 0	12	SE 0,5~1	L	
13	6:30	21	18.5	22	W 0,50	NE 0	8	SE 1	L		14:35	23.5	19	28	W 0,57	SE 0	11	SE 0,5~1	L	
14	6:25	21	18.5	22	W 0,85	NE 0	10	SE 1~1,5	L		14:40	22	19.5	25	W 0,59	SE 0	10	SE 0,5~1	L	
15	6:40	22.5	19.5	23	W 0,17	NE 1	8	SE 1~2	L											
16	6:40	23	21	24	W 1,13	NE 0	10	SE 1~1,5	L											
17	6:50	23.5	22	22.5	W 0,97	N 0	8	SE 0,5~1	L		14:35	25	22	29	W 0,65	SE 0	9	SE 1~1,5	L	
18	6:25	24	22	23	W 0,91	N 0	8	SE 1~1,5	L		14:30	25	23	31	W 0,44	SE 0	10	SE 1	L	
19	6:40	24	22	23	W 0,72	SE 0	9	SE 0,5	L		14:35	25	23	27.5	W 0	SW 0	12	S 0,5	L	
20	6:50	24.5	20	22	W 0,32	N 0	9	SW 0,5	L		11:30	25	23	29	W 0	SW 0	16	SE 0	L	
21	6:50	24	21	20.5	W 0,31	N 1	12	E 0	L		11:45	25		30	W 0	SE 0	21	SE 0	L	
22	7:00	23.5	21.5	24	W 0	SE 0	21	SE 0	L											
23	6:35	24		21.5	W 0	N 0	17	SE 1~1,5	L											
24											12:05	23.5	23.5	24.5	W 0	S 0	13	SE 1	L	
25	6:30	23	21	21	E 0	NW 0	11	SW 0	L											
26	7:00	21.5	19	20	E 0,39	N 0	13	SW 0	L		12:00	22.5	20.5	25	E 0,59	SW 0~1	15	SW 0	L	
27	7:00	22	19	21	E 0	NE 0	20	SW 0	L		11:45	22.5	20	27	E 0	SE 0	24	SW 0	L	
28	7:00	20	16	21	E 0	NE 0	12	SE 0,5	L		11:15	21	18	27	E 0	NE 0	16	SE 0,5	L	
29	6:50	21	18	20.5	E 0	NE 1	7	SE 0,5	L											
30																				
31	7:25	22.5	19.5	23	W 0,43	SE 1	12	SE 1,5	N											

AVERAGE	21.2	18.4	20.5
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AVERAGE	22.4	19.5	26.0
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# OCEANIC CONDITIONS 2009



Followings are the data of the fixed point observation at our set net (two and a half nautical miles away from the coast line of Algarve, Portugal)  
 Since 1995 we have been trying to collect the data as many as possible. This is the fruit of the daily fishermen's efforts.

## SEPTEMBER 2009

\* WEATHER : L = SUNNY, PN = MOSTLY SUNNY, N = CLOUDY, CH = RAIN

DAY	AM										PM									
	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.
		SURFACE	BOTTOM									SURFACE	BOTTOM							
1	7:10	22.5	22	21	SW 0,50	SE 0	12	SW 0	N		11:10	23	21	22	W 0,23	SW 0	13	SW 0	N	
2	6:50	22	19	18	W 0,44	N 0~1	9	SW 0	L		14:40	23	20	26	W 0	SW 1	15	SW 0	L	
3	6:10	22	21	18.5	E 0	N 1	10	SW 0	L		11:50	22.5	20.5	28	E 0	NE 0	12	SW 0	L	
4	6:45	22	20	21	E 0,34	NE 0	18	SW 0	L		14:50	23	20.5	29	E 0,52	SW 0	23	SW 0	L	
5	6:50	22	18.5	19	E 0	N 1	9	SW 0	L											
6																				
7	7:00	22.5	21	23	W 0,57	N 0~1	15	SE 1,5	PN		12:55	22.5	21	28	W 0,57	E 0	12	SE 1,5~2	PN	
8																				
9											16:10	23	22	28	W 0,41	SE 0	8	SE 1,5~2	PN	
10																				
11	7:45	23	22	23	W 0,54	NE 0	10	SE 1~1,5	L		12:00	23.5	22.5	26	W 0,47	SE 0	13	SE 1	L	
12	7:20	23	22.5	21.5	W 0,23	SE 1	9	SE 1~1,5	L											
13																				
14	7:00	22.5	21.5	20	W 0	N 0	21	SW 0	PN		11:00	23	21.5	26	W 0	N 0	24	W 0	PN	
15	7:20	22.5	20.5	17	W 0	W 0	17	SW 0,5	PN		13:10	22.6	20.5	20	W 0	SW 1	20	SW 0,5~1	PN	
16	7:45	21	19.5	16	E 0,23	N 0	14	SW 0,5	PN		12:55	21.5	20	24	E 0,62	SW 1	11	SW 0,5~1	PN	
17	7:45	20	18	18	E 0	N 0	9	SW 0,5	L		12:00	20.5	18	21	E 0,34	W 1~2	8	SW 1	L	
18																				
19	6:55	18	15.5	15	E 0	N 0	7	SW 0,5	L											
20																				
21	6:50	17.5	16	18	E 0,65	N 0	8	SW 0	L		11:00	18	16	24	E 0,41	E 0	9	SW 0	L	
22	7:00	18	16	16.5	E 0	E 0	6	E 0	L		11:55	19	17	20	W 0	E 0	10	SE 0,5	L	
23	7:30	18.5	17	19	W 0,40	N 0	13	SE 1	L		9:00	18.5	17	21	W 0,44	NE 0	13	SE 1	L	
24	7:30	19.5	17.5	18.5	W 0,23	E 0	9	SE 1~1,5	L		11:40	20	19	23	W 0,33	SE 0~1	12	SE 1,5	L	
25	7:15	19.5	19	19	W 0,59	NE 0	13	SE 1~1,5	L		11:40	20	20	20	W 0,38	E 1	13	SE 1~1,5	L	
26	7:10	20	20	19	W 0,62	SE 0	10	SE 1	N											
27																				
28	7:25	20.5	19.5	20	W 0,54	NE 0	15	SW 0	L		11:35	20.5	19.5	23	W 0,43	E 0	18	SW 0	L	
29	8:10	20.5	19	19.5	W 0,28	E 0	14	SW 0	N		12:00	21	20	24	W 0,27	E 0	21	SW 0	N	
30	7:00				W 0,37	NE 0	19	SE 0	L		15:00	21.5	20.5	25	W 0	SW 0~1	17	SW 0,5	PN	

AVERAGE	20.8	19.3	19.1
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AVERAGE	21.4	19.8	24.1
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## OCTOBER 2009

\* WEATHER : L = SUNNY, PN = MOSTLY SUNNY, N = CLOUDY, CH = RAIN

DAY	AM										PM									
	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.
		SURFACE	BOTTOM									SURFACE	BOTTOM							
1	7:30	21	20	18.5	W 0,38	N 0	16	SW 0	N		12:00	21.5	20.5	25	W 0,41	SE 0	18	SW 0	PN	
2	7:25	21	20.5	21	W 0	NE 0	16	SW 0	PN		11:40	21.5	21	25	W 0	SW 0	18	SW 0	L	
3	7:20	21	20	21.5	E 0	0	21	SW 0,5	PN											
4																				
5																				
6	7:20	21.5	21	22	W 0	S 0	18	SW 0,5~1	N		12:00	21.5	21	24	E 0	S 1	18	SW 1~1,5	N	
7	8:10	21.5	21	21	E 0,33	SW 1	18	SW 1~1,5	PN											
8	7:50	21	20.5	22	W 0	SW 0	19	SW 0,5	PN		15:10	22.5	21.5	24	E 0	SW 1	19	SW 0,5~1	L	
9	7:25	21	20.5	20	E 0	NE 0	18	SW 0,5	L		11:15	21.5	20.5	21	E 0	N 0	20	SW 0,5	L	
10	7:20	22	20	19	E 0	N 0	18	E 0	L											
11																				
12	7:35	21	20	20	E 0	SE 0	18	SE 1	L		14:45	22	21	25	E 0,30	SE 0	24	SE<1	L	
13	8:10	21.5	21	21	W 0	NE 0	20	SE 1	L		11:15	21.5	21	23	W 0	SE 0	22	SE 1~1,5	L	
14																				
15	7:35	21	20	19	W 0,38	NE 0	14	SE 1	L		12:40	21.5	20.5	23	W 0,33	SE 0	16	SE 0,5~1	L	
16	7:10	21	20	21	W 0	E 0	15	SE 0	L		11:00	21	20.5	23	W 0	SE 0	16	SE 0	L	
17																				
18																				
19	7:05	21	21	18	E 0	N 0	20	E 0	L		11:45	21.5	21	23	E 0	E 0	22	S 0,5	PN	
20	8:20	21	20	18	E 0,43	SW 1~2	14	SW 1,5	N											
21	8:00	20.5	20	18	E 0,37	NW 0	18	SW 0,5	N											
22																				
23	7:10	17.5	16	17	E 0,47	N 0	8	SW 0,5	L		11:00	17.5	16	22.5	E 0,38	N 0	8	SW 0,5	L	
24	7:20	18.5	17	19	W 0,44	N 0	8	SW 0,5	PN											
25																				
26	6:20	19	19	20	W 0	E 0	8	SW 0	PN		15:00	19.5	18.5	26	W 0,32	E 0	9	SE 0	PN	
27	7:05	19.5	18.5	20	W 0,23	E 2	12	SE 1.5~2	PN											
28																				
29	7:00	20.5	20	22	W 0,59	SE 0	9	SE 1,5~2	MN											
30	7:20	20.5	20.5	20	W 0,23	N 0	10	SE 0,5~1	L		14:45	21	20	25	W 0	SW 1	15	SW 0,5~1	N	
31	7:00	20	20	19	W 0	N 0	17	SW 0	L											

AVERAGE	20.6	19.8	19.9
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AVERAGE	21.1	20.2	23.8
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# OCEANIC CONDITIONS 2009



Followings are the data of the fixed point observation at our set net (two and a half nautical miles away from the coast line of Algarve, Portugal)  
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## NOVEMBER 2009

\* WEATHER : L = SUNNY, PN = MOSTLY SUNNY, N = CLOUDY, CH = RAIN

DAY	AM										PM									
	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.
		SURFACE	BOTTOM									SURFACE	BOTTOM							
1																				
2	6:35	20	19	17	E 0,45	N 0~1	13	SW 0	L											
3	6:50	19.5	18.5	16	E 1,04	N 0~1	13	SW 0	L	10:35	19.5	18.5	18	E 0,97	N 0~1	14	SW 0	L		
4	7:20	19	18.5	17	E 1,12	N 0	12	SW 0	N											
5	6:45	17.5	17	16	E 1,24	N 0	9	SW 0	L	11:30	18	17	20	E 1,13	N 1	10	SW 0	PN		
6	6:50	17.5	16	15	E 0,80	NW 1	9	SW 0,5	PN											
7	6:40	16.5	16	17	E 0,68	N 0	9	SW 0	L											
8																				
9	6:45	16	15	14	E 0,68	N 2	9	N 0	L	10:10	16	14	16	E 1,05	N 0~1	9	SW 0	L		
10	6:30	17.5	16	17	E 0,91	N 1	8	SW 0	L											
11	7:15	16.5	16	17	E 0,44	N 0	9	SE 0	L	13:10	16.5	16	20	E 0,68	NE 0	10	SE 0	L		
12	7:10	17.5	16.5	16	E 0,91	E 0	10	SW 0	PN	13:10	17.5	16.5	21	E 0,43	E 0	11	SW 0	PN		
13	7:00	17	16	15.5	E 0,23	E 0	7	E 0	PN											
14	6:55	16	15	17	W 0	E 0	7	S 0,5	N											
15																				
16	8:00	16	15.5	20	W 0,27	S 1	5	SW 1,5~2	N											
17	7:20	16	15.5	17	W 0,45	N 0	8	SW	N											
18	7:00	16	16	19	W 0,23	0	15	SW 0,5	N											
19	6:55	15.5	15	16	W 0	W 0	14	SW 0,5	L											
20	6:50	16	15.5	14	W 0,23	N 0	11	SW 0	L											
21																				
22																				
23	7:00	17	16.5	15	W 0	N 0	12	SW 1	L											
24	7:10	17	16	13	W 0,57	NE 1	14	SE 0,5	L											
25	7:50	17.5	17	17	W 0	SW 1	11	S 1,5	N											
26	10:35	16.5	16	18	E 0,43	SW 1~2	7	SW 1~1,5	N											
27	8:00	17	16	17	E 0,50	NE 0	14	SW 0	PN											
28	8:25	17.5	17	16	E 0,26	NE 1	14	E 0	PN											
29																				
30	7:20	15.5	15	13	E 0,72	NW 1	8	SW 0,5~1	L											

AVERAGE	17.0	16.3	16.2
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AVERAGE	17.5	16.4	19.0
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## DECEMBER 2009

\* WEATHER : L = SUNNY, PN = MOSTLY SUNNY, N = CLOUDY, CH = RAIN

DAY	AM										PM									
	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.	TIME	WATER TEMP.		AIR TEMP.	CURRENT	WIND	TRANSP. (m)	WAVE	WEATHER	OBSERV.
		SURFACE	BOTTOM									SURFACE	BOTTOM							
1																				
2	7:08	16.5	15.5	15.5	E 0,65	NW 0	15	SW 0,5	PN											
3																				
4																				
5																				
6																				
7																				
8																				
9	8:00	15.5	15	14	E 0	E 0	10	SW 0	N											
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17	11:30	16	15	16	E 0,59	SW 0	12	SW 1,5	L											
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30																				
31																				

AVERAGE	16.0	15.2	15.2
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AVERAGE			
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## OCEANIC CONDITIONS 2009

Followings are the data of the fixed point observation at our set net (two and a half nautical miles away from the coast line of Algarve, Portugal)  
 Since 1995 we have been trying to collect the data as many as possible. This is the fruit of the daily fishermen's efforts.

### YEAR 2009

#### MONTHLY AVERAGE

MONTH	WATER TEMPERATURE		AIR TEMPERATURE	AVERAGE
	SURFACE	BOTTOM		OBSERVATION TIME
JAN	14.3	14.3	12.5	9:31
FEB	13.6	13.9	11.9	8:23
MAR	14.9	14.2	13.3	7:22
APR	14.5	13.5	12.0	6:57
MAY	15.9	14.8	15.3	6:42
JUN	18.6	16.8	18.9	6:18
JUL	18.1	16.5	18.7	6:15
AUG	21.2	18.4	20.5	6:36
SEP	20.8	19.3	19.1	7:12
OCT	20.6	19.8	19.9	7:25
NOV	17.0	16.3	16.2	7:17
DEC	16.0	15.2	15.2	8:52
YEARLY AVG.	17.1	16.1	16.1	7:24

