

# OCEANIC CONDITIONS 2013



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 2013

\* 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	10:20	15,5	14,5	15	W 0,68	NE 1	10	SW 0	PN											
8																				
9																				
10																				
11																				
12																				
13																				
14	9:00	15	14	13	E 0,76	NE 0	10	SW 0	L											
15																				
16																				
17																				
18																				
19																				
20																				
21	9:10	14	13	13	E 0,76	NW 1	7	SW 0,5	N											
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30																				
31																				

AVERAGE	14,8	13,8	13,7
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AVERAGE			
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## FEBRUARY 2013

\* 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	8:40	14	13	15	W 0	N 0	11	SW 0	L											
2																				
3																				
4																				
5	8:40	14,5	14	15	W 0,23	NE 0	12	SE 0,5~1	L											
6	8:30	14,5	14	12	E 0,97	NE 1	12	SW 0,5	L											
7	8:40	13,5	13	12	E 0,85	NE 1	11	SW 0	L											
8																				
9																				
10																				
11																				
12																				
13	7:10	14	13	13	E 0,59	N 0	9	SW 0,5	N											
14	7:50	14	13	15	E 0,47	E 0	12	SW 0	L											
15	7:45	14	13	15	E 0,45	NE 0	12	SW 0	L											
16	7:40	14	13	13	E 0,85	NE 0	11	SW 0	N											
17																				
18	9:00	14	13	12	E 0	E 1	9	SW 0,5	N											
19																				
20	8:15	13	13	14	W 0,76	NE 0	5	SW 0,5~1	L											
21																				
22																				
23																				
24																				
25	7:50	13,5	13	9	E 0,39	N 1	8	SW 0	L											
26																				
27																				
28	7:50	13,5	13	7	E 0,49	N 0~1	14	SE 1 SW 0,5	L											

AVERAGE	13,9	13,2	12,7
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AVERAGE			
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## MARCH 2013

\* 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	7:35	13	13	10	E 0,40	N 1	12	SW 0,5	L											
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11	8:30	14	13	14	E 0,41	W 1~2	8	SW 1,5~2	N											
12																				
13	7:10	14	13	9	E 0,37	N 1~2	12	SW 1,5	L											
14	7:10	14	13	9	E 0,59	N 1	14	SW 0,5	L											
15	7:15	14,5	13	10	E 0,76	NE 1	12	SE 0,5~1	L											
16																				
17																				
18	7:10	13,5	13	10	W 0	N 0	6	SW 0,5	L											
19																				
20	7:10	14	13	11	W 0,45	N 0~1	10	SW 1~2	L											
21	7:15	14	13	9	W 0,38	NE 1~2	9	SW 1~2	PN											
22																				
23																				
24																				
25	7:40	14,5	13,5	14	E 0	NW 0	8	SW 0,5~1	PN											
26	7:10	14,5	13,5	10	E 0,59	SW 1	9	SW 0,5~1	N											
27	7:00	14,5	13,5	10	E 0,68	SW 1~2	8	SW 1,5~2	N											
28																				
29																				
30																				
31																				

AVERAGE	14,0	13,1	10,5
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AVERAGE			
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## APRIL 2013

\* 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	7:53	14,5	13,5	13	E 0,59	N 0	9	SW 0,5~1	L											
3																				
4	7:30	14,5	18,5	13	E 0	SW 0	9	SW 2,5~3	N											
5																				
6	7:20	14,5	13,5	10	W 0,29	N 0	3	SW 0,5~1	L											
7	7:25	14,5	14	11	E 0	NE 0	5	SW 0,5~1	PN											
8	7:25	14,5	14	13	E 0,32	NW 0	6	SW 0	L											
9	7:40	14,5	14	14	E 0,59	NW 0	7	SW 0	N											
10	7:25	15	14,5	16	E 0,57	NW 0	9	SW 0	N											
11	7:25	15	14,5	16	E 0,97	SW 0	9	SW 0	N											
12	7:30	14,5	14,5	15	E 0,72	0	13	SW 0	L											
13	7:10	14,5	14,5	14	W 0,76	NE 0	8	SW 0	L											
14																				
15	7:00	15,5	14,5	15	W 0,27	NE 0	6	SE 1,5~2	PN											
16	6:45	16	15	16	E 0	N 0~1	7	SE 0	PN											
17	6:50	17	15,5	17	W 0	0	9	SE 0,5	L											
18	7:00	17	15,5	16	W 0,34	N 1	3	SE 0,5	L											
19	7:10	17,5	15,5	15	W 0	NE 1	6	SW 0,5	L											
20	7:10	17	15	13	E 0,29	S 1	8	SW 1~1,5	N											
21	7:20	17,5	15,5	14	W 0,972	NE 0	12	SE 1~1,5	L											
22	8:30	17,5	15,5	15	W 0	NE 0	7	SW 0	L	13:50	17,5	16	22	W 0	S 1	8	SW 0	N		
23	7:20	17,5	16	17	W 0	SE 1	8	SE 0,5~1	N											
24																				
25	10:45	18	16,5	17	W 0,68	NE 1	7	SE 1~1,5	L											
26	6:50	18	16	16	E 0	NE 0	6	SW 0	L	15:00	18,5	16	17	E 1,13	SW 1	8	SW 0,5	L		
27	7:00	17	16	14	E 0	N 1	7	SW 0	N											
28																				
29	6:40	16	15	12	E 1,24	N 1~2	6	SW 0	L											
30	7:00	16	15	13	E 1,36	N 0~1	8	SW 0	L											

AVERAGE	16,0	15,1	14,4
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AVERAGE	18,0	16,0	19,5
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# OCEANIC CONDITIONS 2013



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 2013

\* 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	6:50	16	15	15	E 0	NE 1	7	SW 0	N		14:25	17	16	23	W 0	SE 0	6	SE 0,5	L	
3	6:50	16,5	16	14	W 0	NE 0	5	SE 0	L		14:25	18	17	22	W 0	SE 0	5	SE 0	L	
4	7:05	17	16	16	W 0	NE 0	8	SE 0,5-1	L											
5	7:45	18	16,5	15	W 0	NE 0	5	SE 0,5	L											
6																				
7																				
8																				
9	7:00	19	17	18	W 0	0	5	SW 0	PN		16:50	20	17,5	22	E 0	SW 1-2	6	SW 0,5	L	
10	6:40	18,5	17	18	E 0	NE 0	6	SW 0	PN		14:30	20	18	23	0	SW 0	7	SW 0	L	
11	6:40	18,5	16,5	18	E 0	NE 0	6	SW 0	L											
12	6:40	18	16,5	16	E 0	NE 0	5	SW 0	L											
13	6:50	18,5	16,5	17	E 0,45	E 0	7	SE 1-1,5	PN		14:40	19,5	16,5	25	E 0	SE 0	8	SE 1-1,5	N	
14	6:50	19,5	18	18	W 0,50	0	10	SE 1-1,5-2	L		14:45	20	18,5	22	W 0,33	SW 0-1	10	SE 1-1,5	N	
15	6:40	18,5	16,5	15	W 0	W 1	10	SW 0,5	N											
16	6:50	15,5	14,5	13	E 0	N 1-2	11	N 0,5-1	L											
17	6:50	14,5	14	14	E 0,97	W 1	11	SW 0,5-1	N											
18																				
19	7:40	15	14	15	E 0,97	NW 0	10	SW 0	L											
20	6:50	14,5	14	13	E 0,80	NE 0	18	SW 0	N		14:30	15,5	14,5	18	E 0,59	S 0-1	8	SW 0	N	
21	6:50	14,5	14	14,5	E 0	NE 0	10	SW 0	L		14:40	15,5	14,5	19	E 0,85	SW 1-2	8	SW 0,5	N	
22	9:10	14,5	14	19	E 0,72	SW 0	9	SW 0	L		14:40	15,5	14,5	20	E 0,76	SW 1	6	SW 0,5	L	
23	7:10	14,5	14	17	E 0,59	0	17	SW 0	L		14:45	15,5	14,5	14	E 0,85	SW 1	10	SW 0,5	L	
24	6:50	14,5	14	17	E 0,54	0	12	SW 0	L		14:50	16,5	15	21	E 0,54	S 0	7	SW 0	N	
25	6:40	15,5	14,5	15	W 0,52	NE 0	8	SW 0	N											
26	6:30	16	14,5	15	E 0,32	E 1	5	0	N											
27	6:40	15,5	14	13	E 0,62	NW 0-1	10	SW 0	PN		14:35	16	15	17	E 1,24	SW 2	5	SW 1	PN	
28	6:45	14,5	14	14	E 0,72	W 0-1	6	SW 0	N		14:30	15,5	14,5	18	E 1,05	SW 0-1	5	SW 0	N	
29	6:40	14,5	14	13	E 0	N 1-2	7	SW 0	L		14:45	15,5	14,5	18	E 0,76	E 0,76	8	SW 0	L	
30	6:50	15	14	16	E 0,62	N 0-1	6	SW 0	N		15:00	16,5	14,5	18	E 1,24	SW 1	12	SW 0	L	
31	6:30	15	14	14	E 0,49	N 0	8	SW 0	L		14:30	16,5	15,5	21	E 0,97	SW 1	10	SW 0	L	

AVERAGE	16,2	15,1	15,5
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AVERAGE	17,1	15,7	20,1
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## JUNE 2013

\* 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	6:15	15	14	16	E 0,35	E 1-2	6	SW 0	L											
2	6:40	15,5	14,5	17	E 0,76	E 0	12	SW 0	L											
3	7:00	16	15	17	0	E 0	8	SE 0-1	N		14:40	17,5	16	25	W 0,44	SE 0	10	SE 0,5-1	L	
4	7:10	17	15,5	18	W 0,41	E 0	7	SE 1-1,5	L		15:00	18,5	16,5	25	0	SE 0	9	SE 0,5-1	L	
5	6:55	17,5	16	18	W 0,72	SE 0-1	6	SE 1	N		15:00	19	17	21	0	SW 0-1	10	SE 0	L	
6	6:50	17,5	16	15	W 0,38	NW 0	6	SW 0,5	N		14:35	18	17	20	W 0	SW 1-2	6	SW 0,5	PN	
7	8:30	16,5	15,5	19	0	SW 0	6	SW 0,1	L		14:45	17	16	19	W 0	SW 1-2	5	SW 0,5-1	PN	
8	6:15	15	14	14	E 0	SW 0	5	SW 0	PN											
9	6:50	15	14	14	E 0,62	W 0	7	SW 0	PN											
10	6:50	15	14,5	16	E 0	N 0	11	SW 0	PN		14:40	17	16	18	E 1,36	SW 1	12	SW 0	N	
11	6:45	15	14	17	E 0,68	N 0	12	SW 0	L		15:00	16,5	15,5	19	E 1,5	SW 0-1	11	SW 0	PN	
12	6:40	15,5	14	17	E 1,134	N 0	15	SW 0	L		14:30	17,5	16,5	21	E 1,5	SW 0-1	19	SW 0	L	
13	6:40	15	14	16	E 0,8	N 0	16	SW 0	L		14:30	16,5	15,5	22	E 0,64	SW 0	15	SW 0	L	
14	6:45	16	14,5	17	E 0,37	N 0	15	SW 0	L		14:40	17,5	16,5	23	E 0,64	SW 0	7	SW 0	L	
15	6:40	16,5	15,5	18	E 0	N 0	6	SW 0	L											
16	7:00	17	16	19	E 0,32	NE	10	NE	L											
17	7:00	16,5	15,5	17	0	N 0	6	SW 0	N		14:40	17	16	19	W 0	SW 1	8	SW 0,5	L	
18	6:50	16	15	14	E 0,47	SW 0-1	11	SW 0,5	PN											
19	7:15	14	14	18	E 0,68	N 0	8	SW 0,5	L		14:40	15	14	18	E 0,85	SW 1	10	SW 0	PN	
20	7:10	15	14,5	16	E 0,68	N 1	7	0	L		14:35	15,5	14	20	E 1,13	SW 0	8	sw 0	L	
21	6:50	15,5	14,5	17	E 0,68	N 1	5	0	PN		14:35	16	14,5	23	E 1,5	S W 0	7	SW 0	L	
22	6:45	16	14	17	E 1,5	N 0	7	SW 0	L											
23	6:50	16	15	19	E 1,13	0	7	SE 1-1,5	L											
24	6:45	17	15,5	18	E 0	SE 0	9	SE 0,5-1	L		14:40	18	16,5	23	W 0	SE 0-1	4	SE 2-2,25	L	
25																				
26																				
27																				
28	6:45	21	20	19	W 1	NE 0-1	4	SE 1,5-2	L		14:50	21,5	21	25	E 0,68	SE 1	10	SE 2-2,5	L	
29	6:50	21	19,5	20	W 0,7	E 0-1	6	SE 2,5-3	N		14:40	23	21	28	W 1,36	SE 0	7	SE 1,5-2	L	
30	6:40	21,5	20,5	17	W 0	NE 0-1	8	SE 2-2,5	L											

AVERAGE	16,5	15,4	17,0
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AVERAGE	17,7	16,4	21,7
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# OCEANIC CONDITIONS 2013



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## JULY 2013

\* 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	7:08	22,5	21,5	23	W 0	0	6	SE 1,5~2	N		15:00	23,5	21,5	28	W 0	SW 0	8	SE 1~1,5	L	
2	7:00	21	20	21	W 0	E 0	7	SE 0,5~1	N											
3	7:50	22	20,5	24	W 0	0	13	SE 0,5	N											
4	7:00	21,5	20	24	0	E 0	12	SE 0	L											
5																				
6																				
7																				
8	10:15	23	21	25	SW 0,47	E 0	12	SE 1~2	L		15:15	24	22	32	SW 0,44	SW 0	11	SE 1~1,5	L	
9	8:25	23,5	22,5	24	W 0,85	SE 0	16	SE 1,5	L		14:40	25	23	35	W 0,68	SE 0	18	SE 1	L	
10	8:30	24	22	21	W 0	NE 0	14	SE 1~1,5	L		14:40	25	22,5	27	W 0,34	SW 1	18	SE 1~1,5	L	
11	8:10	23	21	20	W 0	SE 0	15	SW 0	N		15:30	23	22	25	E 0,36	SW 0~1	18	SW 0,5	L	
12											15:00	23	21	25	SE 0,43	SW 0	19	SW 0,5	L	
13	9:30	22	20,5	19	W 0	SW 0	17	0	N											
14	8:20	20	19	22	E 0,6	N 0	13	SW 0	L											
15	7:00	19	16,5	19	E 1,047	0	8	SW 0	N		16:45	22	19	24	E 0,85	SW 0	13	SW 0	L	
16	5	20	17,5	21	W 0	W 0	6	SE 0	N		14:50	21	19	25	W 0	SW 0	11	0	L	
17	7:50	21,5	19	24	W 0	0	16	SW 0	L		15:00	15	22	20	26	0	11	SW 0,5	L	
18	8:30	22	18,5	21	W 0	NE 0	17	SW 0	L		14:30	23	22	24,5	0	SW 1	12	SW 1	L	
19	8:00	22	18,5	20	W 0	NE 0	16	SW 0	L		15:00	23	22	26,5	0	SE 1	14	SE 0,5	L	
20	7:30	22	21	20	W 0	NE 1	14	SE 0,5	N											
21	10:30	22,5	21	27	W 0	NE 1	19	NE 0	L											
22	8:00	22	19	21	W 0	NE 0	16	SW 0	L		15:00	23	22	23,5	E 0,24	SW 1	15	SW 0,5	L	
23	6:45	22	19	20	W 0	NE 0	21	SW 0	L		14:45	23	19,5	27	W 0	SW 0~1	21	SW 0	L	
24	6:50	22	18,5	20	W 0	NE 0	20	SW 0	L		14:45	23	21	29	SE 0,27	SW 0	18	SW 0	L	
25	8:35	22	19	24	E 0	0	15	SW 0	L		15:00	22	19	27	SE 0,41	SW 0	11	SW 0	L	
26	8:15	20,5	18,5	21	W 0	NO	10	SW 0	L		14:50	22	19	26	W 0	SW 0~1	10	SW 0,5	L	
27	8:10	21,5	18,5	20	0	W 0	12	SW 0,5	N											
28	8:30	21	19	20	0	0	15	SW 0	N											
29	7:20	20	18	20	E 0	NE 0	12	SW 0	L		14:50	22	19	28	E 0,36	SW 0,5	13	SW 0	L	
30	6:45	20	18	20	W 0	NE 0	11	SW 0	L		14:35	21	18,5	27	E 0,50	SE 0	11	SE 0	L	
31	8:50	20	17,5	22	0	SE 0	7	SE 1~1,5	L		15:30	22	19	29	W 0,27	SE 0	11	SE 1~1,5	L	

AVERAGE	21,6	19,4	21,6
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AVERAGE	22,4	20,7	26,8
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## AUGUST 2013

\* 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	11:20	22,5	19,5	29	W 0,425	0	15	SE 1,5~2	N		15:15	23	19,5	31	W 0,39	SW 0	14	SE 1~1,5	L	
2	9:00	22	20	21	W 0,34	N 1	8	SE 0,5~1	N		16:00	23	21	29	E 0,272	SW 1	14	SW 0,5	L	
3	8:10	21,5	19	19	W 0	N 1~2	13	SW 0,5	L		7:45	21	19	21	E 0	N 0	12	SW 0	L	
4	0:00																			
5	7:30	21	20	21	E 0	NW 0	14	SW 0	L		14:30	23	21	29	E 0	SW 0	14	SW 0,5	L	
6	7:00	21	18	21	W 0	N 0~1	12	SW 0	L		15:15	22,5	18,5	27	E 0	SW 0~1	14	SW 0	L	
7	7:00	21,5	18,5	20	0	N 0~1	12	SW 0,5	L		15:30	23	20	26	E 0	SW 1	13	SW 0,5	L	
8	7:25	20	17	19	E 0	N 0~1	7	SW 0	L		15:30	22	19	26	E 0,26	SW 0	11	SW 0	L	
9	10:00	20	18	24	W 0	SE 0	12	SE 0	L		14:40	22,5	20	24	0	SW 0	13	SE 0,5~1	L	
10	7:30	22	19	25	W 0	E 0	12	SE 1~1,5	L											
11	7:45	21,5	19	23	W 0	N 0	11	SE 1~1,5	L											
12	7:50	22,5	20,5	27	W 0,36	NE 0	15	SE 1~1,5	L											
13	7:20	22	21	21	W 0	NW 0	15	SE 0	L		15:15	23	21	27	W 0	SW 0	15	SW 0	L	
14	6:50	22,5	21	20	W 0	SE 0~1	16	SE 0,5	L		15:40	24,5	22	30	W 0	SW 0	18	SE 0,5	L	
15	7:00	22,5	21	22	W 0	NE 0	18	SE 0	L											
16	7:10	23	21	21	W 0	NE 0	17	SE 0,5	L		15:50	24	21	26	SE 0	W 1	11	W 0	L	
17	7:15	22,5	21	21	0	N 0	15	SW 0,5	L											
18																				
19	7:50	23	22	24	W 0,37	E 0	15	SE 0,5	L		15:30	23,5	22	24	0,36	SW 0	17	SE 0,5~1	L	
20	11:20	23	22	30	W 0	SE 0	17	SE 0,5	L		16:40	24	22,5	31	W 0	W 0	17	SE 0,5	L	
21	7:30	23,5	22,5	27	W 0,45	0	16	SE 0,5~1	PN		15:00	24,5	22	31	W 0	SW 0	14	SE 1	L	
22	7:30	23,5	22	25	W 0,35	E 0	16	SE 0,5	L		15:55	24,5	23	27	W 0	SW 1	14	SE 0	N	
23	7:00	23,5	21,5	22	W 0	SW 0	15	SW 0	PN		14:35	25	22	31	W 0	SW 0	16	SW 0	L	
24	7:00	24	22	21	W 0	NW 0	13	SW 0	L											
25	7:00	24	21,5	20	E 0	NE 1	14	SE 0	PN											
26	7:00	24	22	20	W 0	SE 0	18	SW 0	N		15:25	24,5	22	31	W 0	SW 0~1	12	SW 0	N	
27	7:00	24	21,5	20	W 0	SW 0~1	12	SW 0	N											
28	7:00	23,5	21,5	20	E 0	N 0	13	SW 0	L		15:15	24,5	22	25	E 0,33	SW 1	14	SW 0	N	
29	8:25	22,5	20	20	E 0,32	NE 0	18	SW 0	PN		15:00	23,5	19	24	E 0,44	SW 0~1	19	SW 0	N	
30	7:00	23	21	20	W 0	NE 0	17	SE 0	PN		15:26	23,5	21,5	25	W 0	SW 0~1	17	SE 0,5	L	
31	7:11	23,5	21,5	24	W 0	SE 0	17	SE 0,5	L											

AVERAGE	22,5	20,5	22,3
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AVERAGE	23,5	20,9	27,3
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# OCEANIC CONDITIONS 2013



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 2013

\* 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	7:15	25	22	23	W 0	NE	17	SE 1~1,5	L											
2	7:30	24	22,5	23	W 0,45	NE 1	15	SE 1,5~2	L											
3																				
4																				
5	14:20	25	23	28	W 0,91	SE 0~1	12	SE 1,5~2	N											
6	7:00	24,5	23	22	W 1,24	E 1	8	SE 0,5	N	15:10	25	22,5	27	W 0	SW 0 - 1	12	SW 0	PN		
7																				
8	7:15	24	22,5	19	W 0	N 0	13	SE 0	N											
9	7:00	23	21	19	E 0	NE 0	15	SW 0	L	14:45	24	21	24	E 0,72	SW 1	13	SW 0	L		
10	7:00	22,5	20	21	E 0,57	SE 0	9	SE 0	L	15:15	24	21,5	27	E 0,91	SE 0	9	SE 0	L		
11	7:45	23	20	22	E 0,35	NE 0	11	SE 0,5	L	15:00	24	21	32	E 0	SE 0	12	SE 0,5	L		
12	7:40	23	20,5	23	W 0	E 0-1	9	SE 1,5	L											
13	7:10	23,5	21	22	W 0	SE 1~2	15	SE1,5~2,5	PN											
14																				
15	7:10	23,5	21	22	W 0	NE 0	10	SE 0	L											
16	7:20	23	21	20	W 0	NE 0	13	SW 0	L	14:45	24	20	24	E 0,68	W 1~2	16	SW 0,5	PN		
17	7:30	23	20	23	E 0	E 0,5	8	SE 0	L											
18	8:15	23	20	21	E 0	S 0	18	SW 0	N	14:40	23,5	21	23	E 0	S 0	14	SW 0	N		
19	9:55	23	21,5	22	W 0	NE 0	14	SW 0	L	14:50	24	21	26	W 0	SW 0	17	SW 0	L		
20	7:10	23	20,5	21	E 0	NE 0	15	SW 0	L	14:35	23,5	21	27	E 0	SE 0	18	SE 0,5	PN		
21	6:45	23	20,5	20	E 0	SE 0	14	SE 0	L											
22																				
23																				
24	6:50	23	21	21	W 0	SW 0	8	SE 1~1,5	N	15:15	24	21,5	26	W 26	SW 0	9	SW 0,5	N		
25	7:00	23	21	20	W 0	NE 0	9	SW 0	PN	14:45	23,5	21	24	W 0	S 0~1	10	SW 0,5	PN		
26	7:00	23	21,5	22	0	SW 0~1	9	SW 0	N	14:10	24	21	25	E 0	S 1	12	S 0,5	L		
27																				
28																				
29	7:50	20	19	20	E 0	SW 0~1	4	SW 1~2	N											
30	8:00	20	19	21	E 0	SW 1~2	6	SW 1,5 - 2	N											

AVERAGE	23,1	21,0	21,6
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AVERAGE	24,0	21,1	25,9
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## OCTOBER 2013

\* 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	7:20	20,5	19	19	E 0	SW 1	7	SW 0,5	N	14:40	21	19	22	E 0	SW 1	7	SW 0,5	N		
2	7:20	21	19	21	W 0	0	6	SW 0,5	N	14:35	21,5	19,5	24	E 0	S 1	7	SW 0,5~1	N		
3	8:40	20,5	19,5	21	W 0	SW 0	9	SW 0,5	N	14:50	21,5	20	25	W 0	SW 0	6	SW 0,5~1	N		
4	7:10	21	20	19	W 0	N 0	10	SW 0	PN	14:40	21,5	20	23	W 0	SW 1	12	SW 0,5	PN		
5	7:30	20	19	19	E 0	N 0	12	SW 0	L											
6	7:30	19,5	17,5	20	E 0,47	NE 0	7	SW 0	PN											
7	7:00	20	18,5	19	W 0	NE 0	7	SE 0	L	15:00	21,5	19,5	28	W 0,68	SE 0	7	SE 0,5~1	L		
8	7:00	20,5	19	19	W 0	NE 0~1	8	SE 0,5	L											
9	8:00	21	19,5	20	W 0,54	NE 0	8	SE 1,5~2	L											
10	7:50	21,5	19,5	21	W 0,91	NE 0~1	10	SE 1~1,5	L											
11	7:20	21	19	20	W 0	SW 0	13	SW 0	L	14:40	22	19,5	24	W 0	SW 1	13	SW 0	L		
12	7:15	21	19	18	W 0	N 0~1	10	SW 0,5	PN											
13																				
14	7:40	21	19,5	17	E 0	NE 0~1	10	SW 0	N	15:00	21	19	23	E 1'05	SW 0~1	11	SW 0	PN		
15	8:15	21	19	19	E 0	NE 0	11	SW 0	PN											
16	7:50	20	19	19	E 0	N 0	10	SW 0	L	14:50	20,5	19	25	E 1,05	SW 0~1	9	SW 0	L		
17	9:10	19,5	18,5	20	E 0,45	NE 0	7	SW 0	N											
18	7:10	19,5	18,5	18	E 0	N 0	6	SW 0	L											
19	7:20	20	19	19	W 0	S 1	6	S 1,5~2	N											
20																				
21	7:30	20	19	19	W 0	NE 0	10	SW 0,5	PN	14:50	21	19,5	23	W 0	S 0~1	13	SW 0,5	PN		
22																				
23	7:50	19,5	19	19	W 0,47	NE 0	6	SW 1,5~2	N											
24																				
25	8:00	20,5	19,5	17	W 0	S 1	10	SW 1,5~2	N											
26	7:45	19,5	18,5	16	W 0,27	N 0	7	SW 1,5~2	PN											
27																				
28	7:00	20,5	19,5	19	W 0,41	N 0	10	SE 1	L											
29	7:10	20	18,5	17	E 0	NE 1	8	SE 0	L											
30	7:25	19,5	18	15	E 0,91	N 1~2	14	SE 0	PN											
31	7:40	19	18	17	E 0	N 1	7	S 0	L											

AVERAGE	20,3	18,9	18,7
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AVERAGE	21,3	19,4	24,1
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## OCEANIC CONDITIONS 2013

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 2013

\* 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	7:45	19	18	16	E 0	NE 1	7	SE 0	L												
2	7:00	18,5	17	16	E 0	NE 0-1	8	SE 0	L												
3																					
4	7:30	18	17	15	E 1,13	N 0	9	SE 0	N												
5	7:25	17	16	18	E 1,36	W 0	10	SW 0	N												
6	7:10	16,5	16	15	E 0,85	N 0	10	SE 0	L												
7	7:10	16,5	16	16	E 0	N 0-1	8	SE 0	PN												
8	7:15	16,5	16	17	E 0	N 0	9	SW 0	PN												
9	7:10	17	16	15	E 0	NE 0-1	6	SE 0	L												
10																					
11	7:40	17,5	16,5	15	E 0,97	N 0-1	10	SW 0	L												
12	7:45	17	16	17	E 0	N 0	11	SW 0	L												
13	7:40	16	15	16	W 0	NE 0	4	SW 0	L												
14	7:50	16,5	15,5	16	W 0,47	N 1	5	SE 0,5	L												
15	8:00	16	15	16	W 0	E 1	4	SE 1	L												
16	7:10	16	15	12	W 0	NE 1	7	SE 0	PN												
17																					
18	7:20	15,5	15	12	W 0	W 0	4	SW 0	L												
19	7:30	15,5	15	13	E 0	NW 0	6	SW 0	L												
20	7:10	15	14,5	13	E 0	N 1	6	SW 0	PN												
21	7:35	15	14	14	E 0	NW 0	6	SW 0	PN												
22	7:35	15,5	14	13	E 0	NE 0-1	8	SW 0	N												
23																					
24																					
25	7:45	15	14	12	W 0	NE 1-2	10	SE 0,5	L												
26	7:50	15,5	14,5	13	W 0	NE 1-2	8	SE 1-1,5	L												
27	7:50	15,5	14,5	12	W 0	E 1-2	7	SE 1,5-2	N												
28	7:45	15	14	12	W 0,49	NE 1-2	8	SE 1,5-2	PN												
29																					
30	7:50	15	14	13	W 0,47	NE 0-1	10	SE 1-1,5	L												

AVERAGE	16,3	15,4	14,5
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AVERAGE			
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### DECEMBER 2013

\* 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	7:40	15,5	15	11	W 0,45	E 1-2	7	SE 1,5-2	L												
3																					
4																					
5	7:10	16	14	13	W 0,37	NE 1-1	8	SE 1,5-2	L												
6	7:20	16	15	12	W 0,39	E 1-2	7	SE 2-2,5	L												
7	7:10	15	15	13	E 0,59	NE 1	7	SE 1,5-2	L												
8	8:10	16,5	16	13	W 0,35	E 1-2	9	SE 1-1,5	L												
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20	8:50	15,5	14,5	11	E 0,44	N 1-2	5	S 0	L												
21																					
22																					
23																					
24																					
25																					
26	8:40	15,5	14,5	13	E 0,45	SW 0-1	3	SW 1,5-2	PN												
27																					
28																					
29																					
30																					
31																					

AVERAGE	15,7	14,9	12,3
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AVERAGE			
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# OCEANIC CONDITIONS 2013

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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## YEAR 2013

### MONTHLY AVERAGE

MONTH	WATER TEMPERATURE		AIR TEMPERATURE	AVERAGE OBSERVATION TIME
	SURFACE	BOTTOM		
JAN	14,8	13,8	13,7	9:30
FEB	13,9	13,2	12,7	8:09
MAR	14,0	13,1	10,5	7:22
APR	16,0	15,1	14,4	7:25
MAY	16,2	15,1	15,5	6:56
JUN	16,5	15,4	17,0	6:52
JUL	21,6	19,4	21,6	8:03
AUG	22,5	20,5	22,3	7:29
SEP	23,1	21,0	21,6	7:45
OCT	20,3	18,9	18,7	7:36
NOV	16,3	15,4	14,5	7:31
DEC	15,7	14,9	12,3	7:51
YEARLY AVG.	17,6	16,3	16,2	7:42

