

# OCEANIC CONDITIONS 2011



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 2011

\* 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	11:00	14	13	15	W 0,62	NE 0	4	SW 0	PN											
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17	8:45	14	13	15	E 0	NE 0	5	SW 0	PN											
18																				
19																				
20	9:30	14	14	14,5	W 0,97	E 0~1	6	SE 1~1,5	L											
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28	8:30	15,5	14,5	14	E 0,26	W 0	4	SW 1~1,5	PN											
29																				
30																				
31	8:15	15,5	14,5	14	E 0,41	N 0	6	SW 0,5	L											

AVERAGE	14,6	13,8	14,5
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AVERAGE			
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## FEBRUARY 2011

\* 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	8:00	15	14	10	E 0	NE 1		NE 0,5	L											
2	8:15	15	14,5	10	E 0,44	N 0	7	SW 0	L											
3	7:50	15,5	14	11	E 0,30	N 1	6	SW 0	L											
4	7:50	15,5	14	11	E 0	N 1	6	E 0	L											
5																				
6																				
7	7:50	14	14	12	W 0	NE 0	6	SE 0,5~1	L											
8	7:48	15	14	13	W 0,27	E 1	7	E 0,5	MN											
9	7:50	15	14	15	W 0,27	S 1	6	S 1~1,5	N											
10																				
11	8:00	15	14,5	12	W 0,30	NE 1	6	S 1,5~2	N											
12																				
13																				
14	7:50	15	15	11	E 0,91	W 0	7	SW 1,5~2	L											
15																				
16																				
17																				
18	11:15	15	14	15	E 0,68	NE 0	5	SW 0	N											
19																				
20																				
21																				
22	7:50	15	14,5	14	E 0,76	NW 1	7	SW 1,5	PN											
23	7:45	15	14,5	14	E 0,68	N 1	8	SW 0,5	L											
24																				
25																				
26																				
27																				
28	7:30	15	14,5	12	W 0	N 1	4	SW 0,5~1	L											

AVERAGE	15,0	14,3	12,3
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AVERAGE			
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## MARCH 2011

\* 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	7:25	15	14.5	13	E 0	NE 1~2	5	SW 0,5	L											
2	7:50	14.5	14	11	W 0	N 1~2	5	SW 0	L											
3	7:20	14	14	11	W 0	N 0	6	SW 0,5	L											
4	7:25	14	14	12	W 0	NE 0	6	SW 0,5	N											
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12	9:00	14.5	14	15	W 0,85	NW 0	7	S 1	L											
13																				
14																				
15	7:15	13.5	13	12	W 0,25	NE 0	7	SW 1~1,5	PN											
16																				
17	7:20	14	13.5	13	W 0,27	W 1	4	SW 1~1,5	N											
18	6:40	13.5	13.5	14	W 0	N 0	5	SW 0,5~1	L											
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26	9:40	15.5	14.5	16	W 0,68	S 0~1	7	SE 1~1,5	PN											
27																				
28	7:50	15	14.5	14	E 0	NW 0	16	SW 0,5	L											
29																				
30	7:20	15	14.5	16	E 0,34	N 1~2	13	SW 0,5	L											
31	7:30	15.5	15	17	E 0,32	NE 1	9	E 0,5	L											

AVERAGE	14.5	14.1	13.7
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AVERAGE			
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## APRIL 2011

\* 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	8:10	16	16	13	E 0	N 1	8	E 0,5	L											
5																				
6																				
7																				
8																				
9	7:15	17.5	17	15	W 0,44	0	7	SE 1~1,5	L											
10	7:20	17	16.7	16	E 0,24	N 1	7	SW 0,5	L											
11	7:20	17	16.5	19	E 0,32	E 1	7	E 0,5	L	14:00	18	16.5	20	E 0	S 0	12	SE 0	L		
12	7:00	17	16	18	E 0	SE 1	10	SE 1,5~2	L											
13	7:30	17	16	16	E 0	SE 1~2	10	SE 2	L											
14	7:20	17.5	16.5	19	E 0,33	E 1	9	SE 1~1,5	L											
15	7:27	18.5	17.5	18	E 0	NE 1	10	SE 0,5	L											
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26	7:20	17.5	16	17	E 0,39	NW 0	10	SW 0,5	L											
27	7:00	17.5	16	18	E 0,52	NE 0~1	10	SW 0	L											
28	6:55	17.5	16	19	E 0,33	NE 0~1	14	SE 0,5~1	L	14:40	18.5	16.5	24	E 0,59	SE 0~1	15	SE 0,5	PN		
29	7:00	18	16.5	17	W 0,34	W 0	12	SW 0	N	11:25	18.5	16.5	19	W 0,30	W 0	14	SW 0,5	C		
30	6:50	18	16.5	18	E 0	SW 1	6	SW 1~1,5	C											

AVERAGE	17.4	16.4	17.2
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AVERAGE	18.3	16.5	21.0
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## SEPTEMBER 2011

\* 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	6:40	20	19	19	E 0	NW 0	11	SW 1	N		14:10	20.5	19	25	W 0	SW 0~1	12	SW 0,5~1	PN	
3	7:00	20	19	19	E 0	N 0	12	SW 0,5	L											
4																				
5	6:40	20	18.5	19	E 0	N 0	14	SW 0	L		11:40	20	18.5	26	E 0	NE 0	15	SW 0	L	
6	6:40	19.5	18	24	E 0,45	N 0	4	SE 0	L		12:30	20	18	28	E 0,52	SE 0	11	SE 0	L	
7	7:50	20	18	22	E 0	SE 0	9	SE 0,5	L											
8	8:00	20.5	18.5	23	W 0	NE 0	11	SE 0,5	L											
9	7:00	21.5	19.5	23	W 1,05	0	9	SE 0,5	L											
10																				
11																				
12	6:50	21.5	19.5	22.5	W 0	N 0	7	SW 0	L		11:50	22	20	29	W 0	0	11	SW 0	L	
13	6:50	21.5	20.5	24	W 0	0	15	SW 0	L		12:30	22	20.5	29	W 0	SE 0	17	SE 0	L	
14	7:00	22	21	26	W 0,28	SE 0~1	13	SE 1~1,5	L											
15																				
16	6:30	22	20	23	W 0,39	0	8	SE 0,5~1	N		13:20	22.5	20	26	W 0,30	S 0	10	S 0,5~1	N	
17	7:00	22.5	20.5	22	W 0,37	NE 0	8	SW 0	L											
18																				
19	6:50	21.5	18	21	E 0	NE 0~1	10	SE 0	L											
20	7:00	21.5	18	23	E 0	NE 0~1	9	SE 0,5	L		11:20	21.5	18	25	E 0	SE 1	10	SE 0,5~1	L	
21	7:50	22	19	21	W 0,44	SE 0~1	7	SE 1,5~2	N											
22	8:35	22	20.5	23	W 0,34	NE 0	12	SW 0	L											
23	6:40	22	20.5	20	W 0,30	NE 0	11	SW 0,5	L											
24	7:40	22	20	21	W 0,28	NE 0	14	SW 0	L											
25																				
26	6:50	21.5	21	21	0	N 0	14	SE 0,5	L											
27	6:55	21.5	21	23	W 0,34	NE 0~1	16	SE 0,5~1	L											
28	7:00	21.5	20.5	20	W 0,32	NE 0	12	SE 1,5~2	L											
29	6:50	22	21	19	W 0,57	NE 0	7	SE 1~1,5	L											
30	7:00	22	21.5	26	W 0,35	SE 0	5	SE 1~1,5	L											

AVERAGE	21.3	19.7	21.9
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AVERAGE	21.2	19.1	26.9
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## OCTOBER 2011

\* 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	7:00	23	21.5	23	W 0,35	W 0	7	SE 1~1,5	L											
4	7:00	23	21.5	26	W 0,32	SE 0	5	SE 0,5~1	L											
5																				
6	7:40	23	22	23	W 0,24	W 0	5	SE 1~1,5	L											
7	7:00	22.5	21.5	22	E 0	N 0~1	5	0.00E+00	L											
8	8:15	21.5	20	21	E 0	E 1~2	11	SE 1,5	PN											
9																				
10																				
11																				
12	7:50	22	21.5	23	W 0	NE 0	10	SE 0,5	L											
13																				
14	7:00	22	21	23	E 0	0	11	SE 0,5	L											
15	7:30	22	21	20	E 0	E 0	11	S 0	L											
16																				
17																				
18	7:10	22	21.5	22	W 0,39	NE 0	5	SE 1,5~2,5	L											
19	7:10	22	21	21	W 0	NE 0	5	SE 1~1,5	L											
20	8:30	21.5	21	20	E 0	NE 0	9	0.5	L											
21	7:50	21	20	19	E 0,29	NE 0	10	SE 1~1,5	L											
22																				
23																				
24																				
25																				
26																				
27																				
28	9:15	20	18	17	E 1,13	N 0	15	SW 0,5~1,5	L											
29																				
30																				
31																				

AVERAGE	22.0	20.9	21.5
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AVERAGE			
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## NOVEMBER 2011

\* 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	10:00	17.5	15	20	E 0,76	N 0	14	SW 0	L											
8																				
9																				
10	11:40	16.5	15	20	E 0	S 1	6	S1~1,5	N											
11																				
12																				
13	8:30	15	14	16	W 0,49	SW 0	5	SW 0,5	N											
14																				
15																				
16	9:10	18	16	18	W 0	E 0	12	SW 0,5	L											
17																				
18																				
19																				
20																				
21																				
22	9:20	17	15	16	E 0,52	N 1	6	SW 0,5	PN											
23																				
24																				
25	11:40	18	16	18	W 0,32	NE 1~2	5	SE 1	L											
26																				
27																				
28																				
29	9:40	17.5	15.5	16	W 0	E 1	7	E 0	L											
30																				

AVERAGE	17.1	15.2	17.7
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AVERAGE			
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## DECEMBER 2011

\* 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	10:00	16.5	15	15	E 0,68	NE 1~2	7	SE 0	L											
7																				
8																				
9	9:20	16.5	15	13	W 0	NE 0	8	SE 0	N											
10																				
11																				
12	10:20	16	14	16	E 0,97	NW 0	8	SW 0	L											
13																				
14	8:50	16	15	16	W 0	SW 0	7	SW 0,5	L											
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22	8:40	16	14	13	E 0,85	NW 0	12	SW 0	L											
23																				
24																				
25																				
26																				
27																				
28																				
29	9:10	15.5	12	14.5	E 0,30	NE 1	10	E 0												
30																				
31																				

AVERAGE	16.1	14.2	14.6
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AVERAGE			
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### YEAR 2011

#### MONTHLY AVERAGE

MONTH	WATER TEMPERATURE		AIR TEMPERATURE	AVERAGE OBSERVATION TIME
	SURFACE	BOTTOM		
JAN	14.6	13.8	14.5	9:12
FEB	15.0	14.3	12.3	8:07
MAR	14.5	14.1	13.7	7:42
APR	17.4	16.4	17.2	7:15
MAY	19.2	17.8	18.1	6:47
JUN	19.8	18.2	20.0	6:21
JUL	19.5	17.6	20.5	6:26
AUG	21.5	19.5	22.8	6:55
SEP	21.3	19.7	21.9	7:05
OCT	22.0	20.9	21.5	7:37
NOV	17.1	15.2	17.7	10:00
DEC	16.1	14.2	14.6	9:23
YEARLY AVG.	18.2	16.8	17.9	7:44

