

# OCEANIC CONDITIONS 2003



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 2003

\* 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																				
19																				
20																				
21																				
22																				
23	8:40	15	15	10	0	N	8	SW 1	L											
24	7:50	15	14.5	10	0	E	6	E 1,5	L											
25	8:05	16	15	9	E 0,6	NE	9	NE 1	L											
26																				
27	7:50	15	15	12	E 0,6	NE	6	NE 0,5	L											
28	8:05	15	15	13	E 0,3	NE	6	E 0,5	L											
29	8:30	15.5	15	12	W 0,4	NE	7	NE 1	L											
30	8:00	15	15	13	0	N	6	NE 1	L											
31	8:40	15	14.5	14	NE 0,4	N	6	S 1	PN											

AVERAGE	15.2	14.9	11.6
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AVERAGE			
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## FEBRUARY 2003

\* 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	8:15	14	14	13	E 0,4	NE	7	E 1	L												
2																					
3	7:55	15	14	14	E 0,4	E 0,4	9	E 0,5	L												
4	7:45	15	14	14	E 0,3	N	10	E 0,5	L												
5	7:45	14	14	14	E 0,6	NE	8	SW 1	L												
6	9:20	15	14	15	E 0,4	NE	6	SW 0,5	L												
7	7:45	14	14	15	W 0,3	NE	7	SW 0,5	N												
8	7:40	14	13	15	W 0,4	NE	6	SW 1	L												
9																					
10	7:45	15	14	14	E 0,4	W	11	SW 1	L												
11	11:20	15	14	13	E 0,3	E 0,4	10	E 1	L												
12	7:50	15	14	13	W 0,3	E	8	E 1,5	L												
13	7:25	15	14	11	0	NW	8	SW 1	L												
14	8:00	14	13.5	10	E 0,3	N	6	SW 1	L												
15	7:25	14	14	9	SW 0,3	N	6	SW 1	L												
16																					
17	7:35	14	14	8	NE 0,5	NW	8	SW 0,5	PN												
18																					
19	11:30	14	14	14	E 0,6	SW	8	SW 2,3	N												
20																					
21																					
22																					
23																					
24																					
25																					
26																					
27																					
28																					

AVERAGE	14.5	13.9	12.8
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AVERAGE			
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## MARCH 2003

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

AVERAGE	15.0	14.3	12.6
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AVERAGE			
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## APRIL 2003

\* 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	10:40	17	16	17	0	0	6	SE 1,5	L											
8	12:00	17	16	17	NE 0,5	SE	6	SE 1,5	N											
9	11:40	17	16	17	W 0,4	NE	6	SE 1,5	L											
10	11:25	17	16	16	W 0,3	W	5	W 0,5	N											
11	13:10	17	16	18	SW	SW	7	SW 1	N											
12																				
13																				
14																				
15	11:05	16	16	17	E 0,4	W	5	SW 2	N											
16	7:25	16	16	14	W 0,6	W	6	SW 1	L											
17										12:10	16.5	16	17	W 0,3	E	10	SW 1	L		
18																				
19																				
20																				
21	7:25	16	15	14	0	E	5	SE 0,5	N											
22																				
23																				
24	7:10	16	15.5	15	SE 0,2	NE	5	SW 1	N											
25	7:00	17	16	15	W 0,4	N	5	SW 1	L											
26	7:20	17	16	18	E 0,4	W	5	SW 1,5	N											
27																				
28	8:15	16	16	18	E 0,7	SW	9	S 1	N											
29	7:20	17	16	15	W 0,6	N	7	SW 1	L											
30	7:00	17	16	16	SE 0,3	NW	7	SW 1,5	N											

AVERAGE	16.6	15.9	16.2
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AVERAGE	16.5	16.0	17.0
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# OCEANIC CONDITIONS 2003



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## MAY 2003

\* 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	7:10	16	15	16	E 0,6	NE	7	NE 0,5	L											
4																				
5	8:00	17	16	17	W 0,4	NW	17	SW 1	N											
6	7:10	16	15	13	E 0,7	N	6	SW 1	L											
7										14:50	16	15,5	20	E 1,1	W	9	SW 1	N		
8	6:50	15	14,5	15	E 0,3	0	9	SW 0,5	N											
9	7:00	16	15	15	E 0,6	E	10	SE 0,5	L											
10	7:10	16	15	17	E 0,7	E	7	0	L											
11																				
12										14:50	18	16	23	0	SW	6	SE 1	L		
13										14:40	18,5	17	24	0	SW	6	SE 1	L		
14										14:40	19	17	25	0	0	6	SE 1	L		
15										14:50	20	17	24	W 0,3	SW	7	SE 2	L		
16										14:50	19	17	24	0	SW	10	SW 1	L		
17																				
18	7:40	18	16	18	0	NE	10	E 0,5	L											
19	8:00	18	16	18	0	NE	10	E 0,5	L											
20	7:40	17	16	17	E 0,3	NE	8	NE 0,5	L											
21	7:35	18	16	18	E 0,3	E	9	SE 1	L											
22																				
23	11:25	20	19	22	W 0,6	E	8	SE 2	L											
24	7:10	20	18,5	19	W 0,4	NW	8	SW 1	N											
25																				
26	9:30	19	17,5	18	NE 0,3	NE	8	E 1	L											
27	11:25	19	17	19	0	E 1	10	SE 1,5	L											
28																				
29																				
30	11:15	21	20	21	W 0,7	SE	10	SE 1,5	N											
31																				

AVERAGE	17,7	16,4	17,5
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AVERAGE	18,4	16,6	23,3
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## JUNE 2003

\* 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	19	19	W 0,4	E	9	SW 1	L											
2	6:50	20	19	20	0	0	11	SW 0,5	N											
3	6:50	20	19	18	E 0,3	N	8	SW 1	N											
4	7:00	19	17	20	E 0,6	N	10	SW 0,5	N											
5	6:25	17	15	17	E 0,6	N	6	N 0,5	N											
6	6:40	19	16	20	E 0,4	NW	9	SW 0,5	L											
7	6:25	20	18,5	20	W 0,4	0	9	SE 1,5	L											
8																				
9	9:20	20	18,5	20	0	NE	12	E 1	L											
10																				
11										15:40	22	19,5	27	W 0,4	E	14	SE 2	L		
12																				
13																				
14																				
15	8:50	22	20	20	W 0,2	0	9	SW 1	L											
16	6:50	22	20	20	0	NW	8	SW 1	L											
17	7:05	21	19	19	NE 0,3	NW	9	SW 0,5	L											
18	6:40	21	18	18	E 0,4	E	10	E 0,5	L											
19																				
20																				
21																				
22																				
23	9:30	23	21	22	0	0	11	SW 0,5	N											
24																				
25										14:40	22	19	27	E 0,7	SW	11	SW 1	L		
26										14:40	21	18	25	E 0,7	SW	7	SW 1	L		
27																				
28																				
29	6:40	17	16	18	E 0,4	NE	7	SW 1	L											
30	6:35	16	15,5	20	E 0,7	NW	7	SW 1	N											

AVERAGE	19,8	18,1	19,4
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AVERAGE	21,7	18,8	26,3
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## JULY 2003

\* 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	6:30	16	15	20	E 0,5	0	8	SW 0,5	L											
2	6:20	16,5	15	19	E 0,4	W	6	SW 0,5	L											
3	7:30	16	15	18	E 0,6	N	6	SW 0,5	L											
4	6:30	16,5	15	19	E 0,6	NE	7	SW 0,8	L											
5																				
6	6:20	17	15	19	E 0,8	NE	7	SE 0,5	L											
7											14:40	20	17	27	W 0,3	SE 1	5	SE 1	L	
8											14:50	21	18	25	W 0,2	SW	11	SE 1	L	
9											14:50	21	18	26	W 0,3	SW	11	SE 1	L	
10																				
11	9:20	22	19	21	W 0,3	SE 1	10	SE1	L											
12																				
13	7:45	22	19	20	SW 0,5	N	12	SW 0,5	L											
14	8:25	22	19,5	19	0	W	13	SW 0,5	L											
15	8:20	20	18	20	E 0,4	NW	12	SW 0,5	N											
16	8:35	19	15	17	0	NE	10	NE 0,5	L											
17	8:35	17	15	18	E 0,3	N	8	SW 0,5	L											
18	8:35	18	15	18	E 0,8	0	8	SW 0,5	L											
19	7:30	18	15	19	0	N	6	N 0,5	L											
20	7:40	19	15,5	19	0	N	8	SW 1	L											
21	7:00	18	15	19	E 0,3	N	7	SW 0,5	L											
22	6:30	18	15	20	E 0,9	NE	7	SW 0,5	L											
23	6:40	17	15	20	E 0,8	NE	7	SW 0,5	L											
24																				
25																				
26																				
27																				
28											14:30	18,5	15,5	24	E 1,2	SW	7	SW 0,5	L	
29	8:25	16,5	14,5	18	E 0,4	0	7	NE 0,5	L											
30																				
31	8:40	19	16	21	W 0,7	0	8	SE 1	L											

AVERAGE	18,3	15,9	19,2
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AVERAGE	20,1	17,1	25,5
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## AUGUST 2003

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

AVERAGE	21,3	18,4	21,9
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AVERAGE	24,9	19,6	28,3
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# OCEANIC CONDITIONS 2003



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## SEPTEMBER 2003

\* 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	17.5	15	18	E 0,3	0	6	SW 0,5	L		15:00	18	15.5	26	E 0,9	SW	7	SW 1	L	
2											14:50	18	16	26	E 0,4	SW	5	SW 1	L	
3	7:25	17	15	18	NE 0,3	N	5	SW 0,5	L											
4	7:20	16	15	18	E 0,5	0	6	SW 0,5	L											
5	8:00	16	15	18	E 0,5	0	6	SE 0,5	L											
6																				
7	9:45	16.5	15	19	E 0,3	NE	5	SW 0,5	L											
8	8:50	18.5	16	19	SW 0,4	N	7	SW 0,5	L											
9	7:25	18.5	16	20	E 0,3		8		L											
10	7:30	17	15	18	E 0,4	NE	7	NE 1	L											
11	9:00	18	16	18	W 0,4	NE	9	SE 1,5	L											
12											14:50	19.5	17	16	0	SE	9	SE 1,5	L	
13																				
14																				
15																				
16																				
17											16:30	22	21	26	W 0,8	0	8	SE 2	L	
18																				
19																				
20	8:30	22	20	18	W 0,7	S	9	SE 2	L											
21																				
22	11:00	22	21	26	NW 0,4	SW	11	SW 0,5	L											
23	7:35	21.5	19.5	20	NE 0,3	N	8	SW 1	L											
24	9:20	21	19	20	W 0,4	NE	10	SW 1	L											
25	11:15	21	20	23	0	NE	8	SE 1,5	L											
26	7:25	21.5	20	20	0	0	9	SE 2	L											
27	7:15	22	20	19	0	NE	10	SE 1,5	L											
28																				
29	11:30	21.5	20	22	E 0,3	W	15	SW 0,5	N											
30																				

AVERAGE	19.3	17.5	19.6
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AVERAGE	19.4	17.4	23.5
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## OCTOBER 2003

\* 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											15:30	20.5	20	23	0	SW	8	SW 2	N	
4	9:35	20.5	18.5	19	W 0,4	N	12	SW 1	N											
5																				
6	8:30	21	19	19	W 0,5	NE	9	E 1	N											
7	8:00	21	20	17	W 0,4	NE	11	SE 1	L											
8	7:50	21	20	18	0	NE	12	SE 1	L											
9	7:45	21	20	19	W 0,3	NE	11	SE 1	L											
10	8:00	21	20.5	19	W 0,5	NE	10	SE 1,5	N											
11																				
12																				
13	8:10	21	20.5	19	SE 0,3	NE	8	SE 0,5	N											
14																				
15																				
16	8:00	21	20	18	0	N	8	SW 1	L											
17											14:45	21	20	19	E 0,3	SW	11	SW 1	L	
18	7:45	20.5	18	17	0	NE	10	SW 1	N											
19																				
20																				
21	8:00	18	17	18	SW 0,3	0	6	SW 1	N											
22	8:15	19	17.5	16	W 0,5	N	6	SW 1	N											
23	8:00	19	17	15	0	N	8	SW 0,5	L											
24	8:20	19	16	13	E 0,6	N	8	SW 0,5	L											
25																				
26																				
27																				
28																				
29																				
30																				
31																				

AVERAGE	20.2	18.8	17.5
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AVERAGE	20.8	20.0	21.0
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# OCEANIC CONDITIONS 2003



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## NOVEMBER 2003

\* 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	7:40	15.5	15	14	0	E	5	SW 1	N											
5																				
6																				
7																				
8																				
9																				
10	8:00	17.5	17.5	15	E 0,3	W	7	SW 2	L											
11	7:45	18	17	14	E 0,4	N	10	SW 1	L											
12	7:25	18.5	17.5	14	0	N	11	SW 0,5	L											
13	7:35	18.5	17	15	0	N	10	SW 1	L											
14	7:35	18	17	15	E 0,3	NE	9	SW 1	L											
15																				
16																				
17	8:00	17	16	12	E 0,5	N	5	SW 1	L											
18	8:00	16.5	15	13	W 0,3	NE	6	SE 1	L											
19	7:45	17.5	16	14	E 0,3	NE	8	E 1,5	L											
20	8:10	17.5	16	14	E 0,5	NE	8	SE 1	L											
21	8:10	17.5	16.5	13	0	0	10	E 0,5	N											
22																				
23																				
24																				
25																				
26	7:15	16.5	15	12	E 0,4	NW	4	SW 1	L											
27	9:45	17.5	17	14	NE 0,3	NW	9	SW 1	L											
28	7:40	17	16	11	E 0,8	N	10	SW 1	N											
29	8:10	16.5	15.5	12	E 0,6	N		SW 1	L											
30																				

AVERAGE	17.3	16.3	13.5
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AVERAGE			
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## DECEMBER 2003

\* 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	10:10	16	14.5	11	E 0,7	NE	6	SW1	L											
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
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25																				
26																				
27																				
28																				
29																				
30																				
31																				

AVERAGE	16.0	14.5	11.0
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AVERAGE			
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## OCEANIC CONDITIONS 2003

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 2003

#### MONTHLY AVERAGE

MONTH	WATER TEMPERATURE		AIR TEMPERATURE	AVERAGE OBSERVATION TIME
	SURFACE	BOTTOM		
JAN	15.2	14.9	11.6	8:12
FEB	14.5	13.9	12.8	8:21
MAR	15.0	14.3	12.6	8:00
APR	16.6	15.9	16.2	9:12
MAY	17.7	16.4	17.5	8:20
JUN	19.8	18.1	19.4	7:16
JUL	18.3	15.9	19.2	7:38
AUG	21.3	18.4	21.9	8:25
SEP	19.3	17.5	19.6	8:41
OCT	20.2	18.8	17.5	8:10
NOV	17.3	16.3	13.5	7:55
DEC	16.0	14.5	11.0	10:10
YEARLY AVG.	17.6	16.2	16.1	8:21

