

Prognosis and synoptical forecast

Re-analysis of the last forecast: this re-analysis is made with the AWS data and the RC report... The forecast was corrected in the first option; the wind increased above than 7kts (8-9kts) and shifted fast from SW to 020°-030° (as expected and said by phone). At this stage the good side to sailing was the left hand side for the pressure and the shift as forecasted and up-dated by phone in the briefing. The wind was oscillating with the forecasted left hand shift and reached the direction 330°-340° with a wind speed included between 7-15kts so in the forecasted range. The wind and the gust were in the left hand side... The signal, to decide what it was the good option, was the clouds as wrote in my forecast (section "Observations"). The clouds steady were the signal for the second option and the clouds moving were the signal of the first option.

Synoptical situation: the high pressure of Azzore generate a NE flux in the Lanzarote race islands

Gradient wind:

<i>HHHH LT</i>	<i>WIND DIRECTION (°) average range 10 m</i>	<i>WIND SPEED (kts) average range 10 m</i>	<i>WIND DIRECTION (°) average range 1000 m</i>	<i>WIND SPEED (kts) average range 1000 m</i>
0800	350°-360°	9-10	350°-360°	12-13
1100	340°-350°	9-10	340°-350°	11-12
1400	340°-350°	9-10	340°-350°	11-12
1700	340°-350°	9-10	340°-350°	11-12

WEATHER PATTERN: NNW gradient wind possible (but NOT sure) sea breeze (KEEP attention a the SBCZ)

Tides: HW (05.04LT): 2.6m; LW (11.19LT): 0.6m; HW (17.39LT): 2.4m; LW (23.33LT): 0.8m

Current's rate: /

Sea's state (Douglas) & direction of wind-wave: 2-3 (Smooth-Slight)

Swell: D=NE; Hs=0.2-0.5m; Tp=9-10s

Warning of the gale (by AIMET): possible showers and thunderstorms

Local forecast (next 12 hours)

The air in upper atmosphere it's partially unstable, humid and cold. The sky will be cloudy tending to partially cloudy; the air temperature will be included between 20-24°C and the sea temperature will be included between 22-23°C

In these conditions two options are possible in the race zone:

1. NNE-NE/2-7kts in the morning shifting to NNW/7-12kts G 16kts in the afternoon (**first option**); prevailing NNW gradient wind without sea breeze effect
2. var./2-7kts prevailing from SSE-SW (**second option**); prevailing sea breeze with NNW gradient wind, KEEP ATTENTION A THE SBCZ

Outlook 48 hours

OUTLOOK FOR NEXT 24 HOURS (09.00LT-18.00LT of 20/10/2008): NNW-NE/5-10kts G 13kts. Partially Cloudy

OUTLOOK FOR NEXT 48 HOURS (09.00LT-18.00LT of 21/10/2008): NE/9-15kts. Partially Cloudy

Level of Confidence: 6-7 (0: Lower Confidence; 10: Higher Confidence)

Sails range (30m): 6-18kts (“up & down”)

14.00LT: 6-13kts

16.00LT: 6-18kts

Forecast

First option (60%)

Second option (40%)

<i>HH -LT</i>	<i>WIND DIRECTION</i> (°)	<i>WIND SPEED 10m</i> (kts)	<i>WIND DIRECTION</i> (°)	<i>WIND SPEED 10m</i> (kts)
<i>analysis 0800</i>	350°-360°	5-7	350°-360°	5-7
1000	var. (340°-020°)	8-10 G 11	var. (340°-030°)	2-7
1100	340°-350°	9-10 G 11	var.	1-5
1200	var. (200°-020°)	6-7 G 10	var.	1-5
1300	var. (340°-020°)	8-10 G 11	var. (150°-200°)	2-7
1400	330°-350°	8-10 G 11	var. (150°-200°) Possible SBCZ	2-7
1500	330°-340°	9-11 G 13	var. (150°-200°) Possible SBCZ	2-7
1600	330°-340°	10-14 G 16	var. (150°-200°) Possible SBCZ	2-7
1700	350°-360°	10-14 G 16	var. (200°-350°)	2-10
1800	350°-360°	6-11 G 12	330°-350°	6-7
1900	340°-360°	6-9	330°-350°	6-7

The forecast is efficacious in the time space (i.e.: 1100, forecast efficacious 0.5 h forward and 0.5 h later, that is 10.30-11.30)

Observations

First option

Second option

air pressure	Steady	Steady in the morning and increasing in the afternoon
sky	Partially cloudy	Partially cloudy
clouds	Ac, Cu and possible Cb moving FAST from NW-NNW to SE-SSE	Ac, Cu and possible Cb moving FAST from NW-NNW to SE-SSE in the morning and STEADY Cu clouds in the afternoon along the coastal line or inland (the STEADY clouds are the signal of the SBCZ)
wind dir/speed	Around 13.00LT the wind will increase in the speed above than 7-8ktd and it will be OSCILLATING and VARIABLE with the direction from NNW-NNE	Around 13.00LT the wind will be light and from SSE-SW

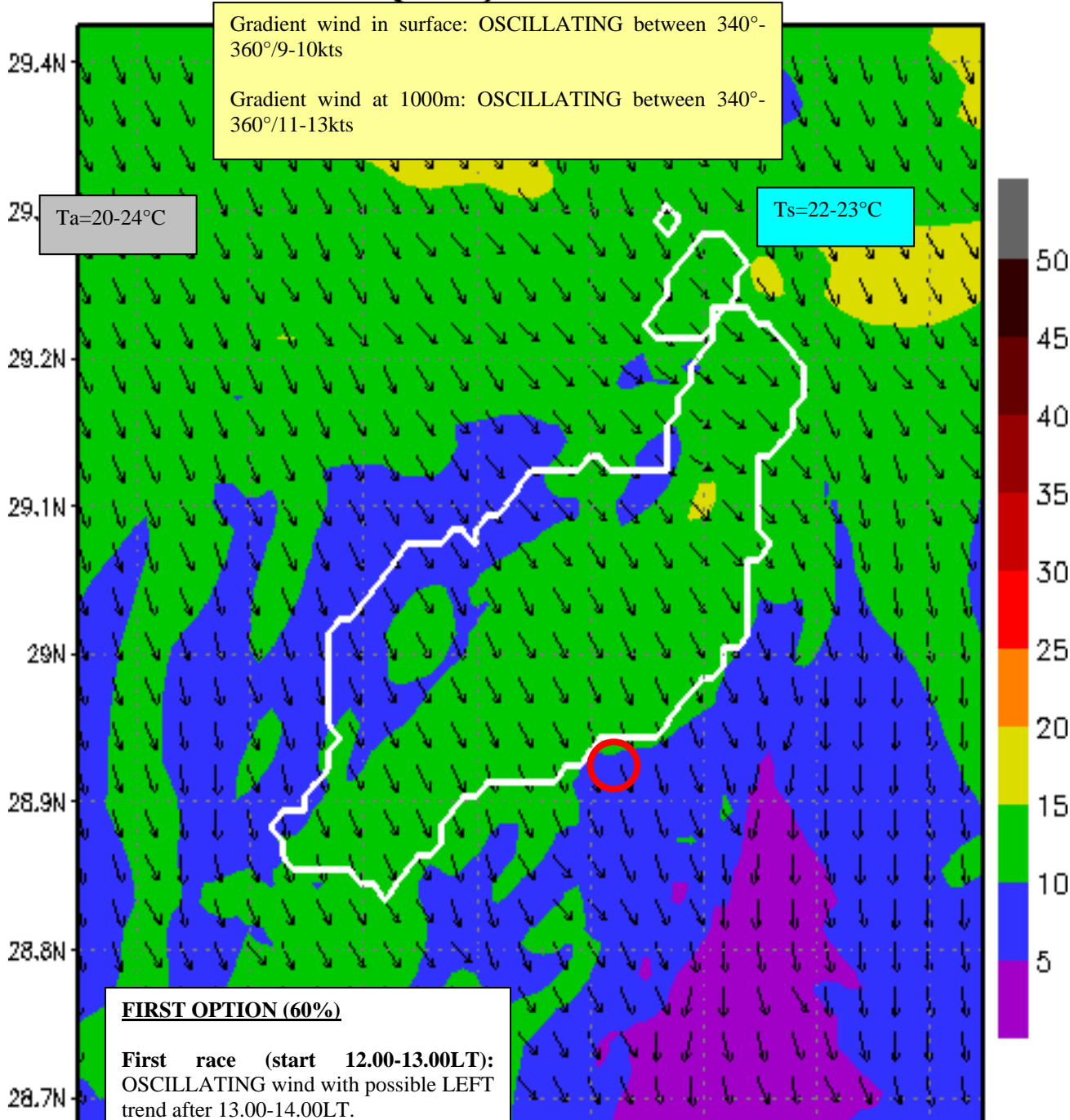
“Attention’s” section

First option

Second option

Wind speed	Medium (7-12kts G 16kts)	Light (2-7kts)
Wind direction	The wind will be OSCILLATING for all day without any rules . You have to expect that the OSCILLATIONS will be SHORTER in the period (less than 2°-4°) and BIG (average 010°-020°) in the angle. KEEP attention because between 13.00-14.00LT and 16.00-17.00LT you can have a SLOW and LIGHT LEFT hand trend in the OSCILLATION’S pattern, so, after 16.00-17.00LT, the wind will return to the RIGHT	Unpredictable situation... Keep ATTENTION at the SBCZ that it will can affect the race area...
MAX LEFT	320°-330°	???
MAX RIGHT	360°-020°	???
Pure sea breeze direction	140°-150°	140°-150°
SHIFT	OSCILLATING, LEFT TREND, RIGHT TREND	???
.....other	Pressure “puff & patches” coming from the left hand side (from the land) ←	NOT SAILING IN THE STEADY CLOUDS. SEARCH THE CLEAR SKY

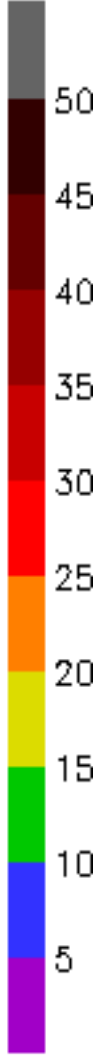
CMC12 Wind(kts) Sun-19-OCT:1400



Gradient wind in surface: OSCILLATING between 340°-360°/9-10kts
 Gradient wind at 1000m: OSCILLATING between 340°-360°/11-13kts

Ta=20-24°C

Ts=22-23°C



FIRST OPTION (60%)

First race (start 12.00-13.00LT):
 OSCILLATING wind with possible LEFT trend after 13.00-14.00LT.
 Search the good zone of the pressure...

Second race (start 14.00-15.00LT):
 OSCILLATING wind.
 Search the good zone of the pressure...

Sentence of the day: the wind will be OSCILLATING and the pressure of the wind will be "puff & patches"

SECOND OPTION (40%)

First race (start 12.00-13.00LT):
 OSCILLATING wind; keep attention a the SBCZ.
 Pressure "puff & patches"...

Second race (start 14.00-15.00LT): ???
 Pressure "puff & patches"...

Sentence of the day: OPEN THE MIND, ALL CAN HAPPEN

