

# Weather support for Athens Olympic Games 2004 using Web Based technology

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# Olympic Venues



# Weather Requirements

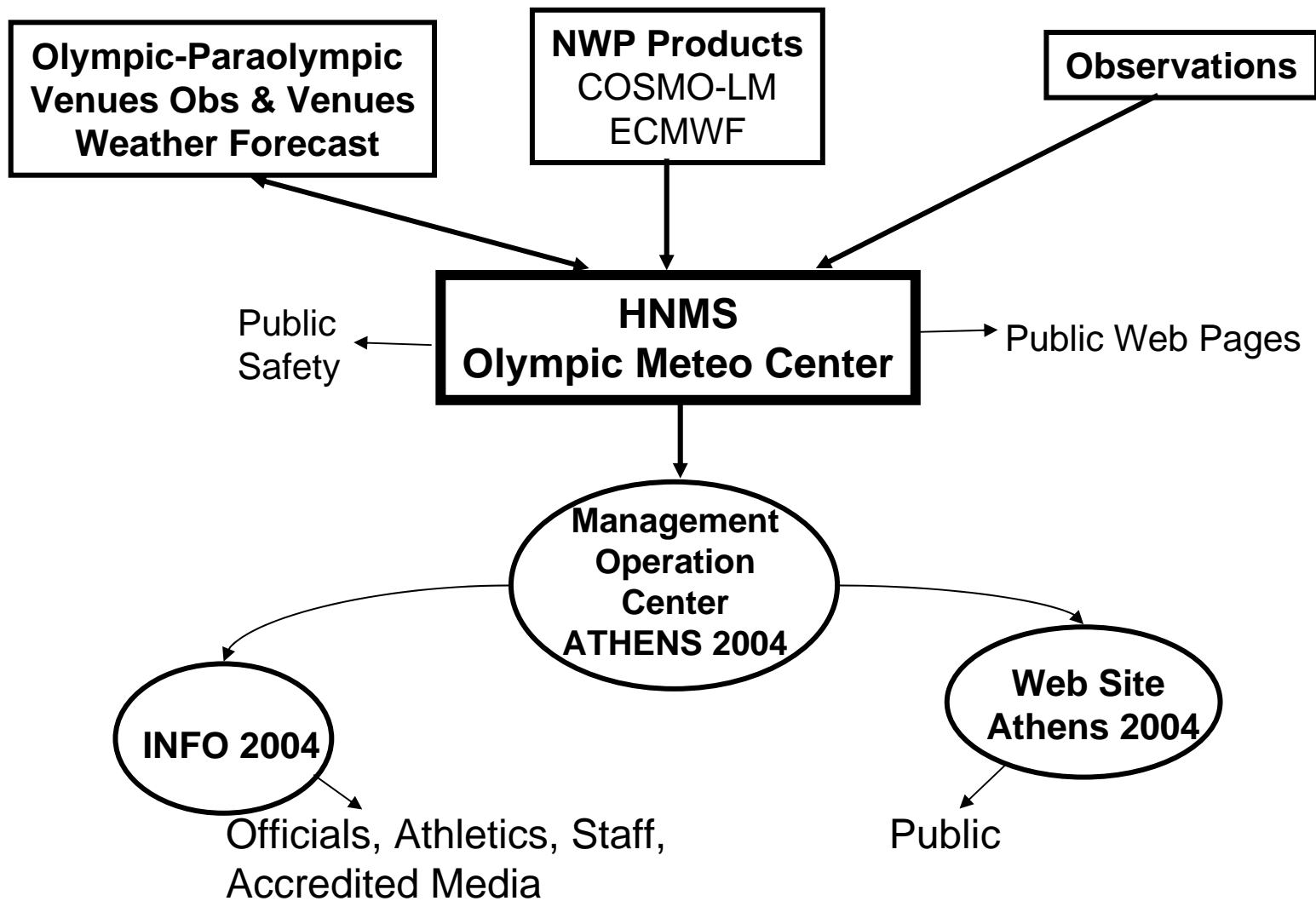
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- Detailed 48Hours forecasts every 3 hours for each Olympic Venue.

Temperature	Relative Hum.	Pressure	Wind Speed & Dir
WBGT	Precipitation Amount	Weather Cond.	

- General forecast for today and tomorrow for all venues four times per day.
- Five days forecast twice a day.
- Forecast of WBGT index twice a day.
- Warnings for severe weather conditions (Strong winds and Thunderstorms).
- Current weather conditions every 10 minutes.

# Data Flow Diagram



# Data Formulation Requirements

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- XML Format
- Printer Friendly Format
- Multilanguage





# First Solution



Simple Meteorological Editor

ΕΘΝΙΚΗ ΜΕΤΕΩΡΟΛΟΓΙΚΗ ΥΠΗΡΕΣΙΑ  
ΟΛΥΜΠΙΑΚΟ ΜΕΤΕΩΡΟΛΟΓΙΚΟ ΚΕΝΤΡΟ

Αθήνα 2004

Γενικές Μετεωρολογικές Πληροφορίες Ολυμπιακών Εργασιών  
Εκδόθηκε στις 15:15 C της Δευτέρας 16 Αυγούστου 2004

α) Προειδοποιήσεις:  
(1) Βρίσκονται τώρα σε ισχύ:  
(2) Προσέχεται για το υπόλοιπο διάστημα της ημέρας:  
ΑΝΑΜΕΝΟΝΤΑΙ ΚΑΤΑΡΤΙΔΕΣ ΣΤΗΝ ΠΕΡΙΟΧΗ ΤΗΣ ΘΕΣΣΑΛΟΝΙΚΗΣ ΤΗΣ ΑΠΟΓΕΥΜΑΤΙΝΗΣ ΩΡΗΣ

β) Παράγν κλιμά: (1) Βρίσκονται τώρα σε ισχύ:

ΤΟΠΟΘΕΣΙΑ	ΘΕΡΜΟΤΗΤΑ (°C)	ΥΓΡΑΠΛΙΑ (%)	WBOT	ΔΙΕΥΘΥΝΣΗ ΑΝΕΜΟΥ (ΑΝΕΜΟΣ)	ΑΝΕΜΟΥ (km/h)	ΥΨΟΣ (mm)	ΠΙΕΣΗ (hPa)
ΠΥΛΑΙΟ (PYL)	26	51	25	010	4	0.00	1012
ΠΡΑΝΕΣΤΕΡΟ (PRAN)	28	40	26	030	3	0.00	1011
ΓΟΥΛΕ (GOL)	26	47	25	030	4	0.00	1012
ΓΑΛΑΤΣΙ (GAL)	28	45	27	020	7	0.00	1010
ΑΛΕΞΑΝΔΡΙΑ (ALE)	23	37	23	020	7	0.00	1012
ΑΝΘΩΝΙΑ (ANT)	27	42	25	030	7	0.00	1011
ΠΕΡΙΣΤΕΡΙΑ (PER)	27	42	25	030	7	0.00	1011
ΝΙΚΑΙΑ (NIK)	25	37	25	320	8	0.00	1011
ΦΑΛΗΡΟ (FAL)	27	45	26	330	8	0.00	1011
ΕΛΛΗΝΙΚΟ (ELL)	28	42	26	360	5	0.00	1011
ΒΟΥΛΑΓΜΕΝΗ (BOU)	27	45	26				
ΜΑΚΕΔΟΝΟΠΟΛΙΣ (MAK)	26	54	26				
ΣΚΟΠΕΛΟΣ (SKO)	27	45	26				
ΕΝΔΗΛΟΣ (END)	27	51	26				

General Meteorological Information For Olympic Venues  
Issued at 15:15 C on Monday 16 August 2004

α) Warnings:  
(1) Those are valid now:  
(2) Outlook for the rest of the day:  
THUNDERSTORMS ARE EXPECTED IN THESSALONIKI DURING AFTERNOON

β) Current Weather Details

Location	Temperature (°C)	Relative Humidity (%)	WBOT	Wind Dir (kmph)	Wind Speed (km/h)	Precipitation (mm)	Pressure (hPa)
ΠΥΛΑΙΟ (PYL)	26	51	25	010	4	0.00	1012
ΠΡΑΝΕΣΤΕΡΟ (PRAN)	28	40	26	030	3	0.00	1011
ΓΟΥΛΕ (GOL)	26	47	25	030	4	0.00	1012
ΓΑΛΑΤΣΙ (GAL)	28	45	27	020	7	0.00	1010
ΔΕΚΕΛΙΑ (DEK)	23	37	23	020	7	0.00	1012
ΑΛΕΞΑΝΔΡΙΑ (ALE)	27	42	25	020	7	0.00	1011
ΠΕΡΙΣΤΕΡΙΑ (PER)	27	42	25	030	7	0.00	1011
ΝΙΚΑΙΑ (NIK)	25	37	25	320	8	0.00	1011
ΦΑΛΗΡΟ (FAL)	27	45	26	330	8	0.00	1011
ΕΛΛΗΝΙΚΟ (ELL)	28	42	26	360	5	0.00	1011
ΒΟΥΛΑΓΜΕΝΗ (BOU)	27	45	26	010	9	0.00	1011
ΜΑΚΕΔΟΝΟΠΟΛΙΣ (MAK)	26	54	26	020	8	0.00	1010
ΣΚΟΠΕΛΟΣ (SKO)	27	45	26	360	6	0.00	1012
ΕΝΔΗΛΟΣ (END)	27	51	26	010	7	0.00	1012

Notes: WBOT is an approximation to the Wet Bulb Globe Temperature. It is likely to be overestimated particularly in cloudy and windy conditions. When WBOT value is equal or greater than 28 degrees Centigrade Sports Medicine Authorities advise athletes who undertake a prolonged exercise to take extreme care.  
\* Precipitation: When in liquid or solid form that falls from the atmosphere and reaches the ground.

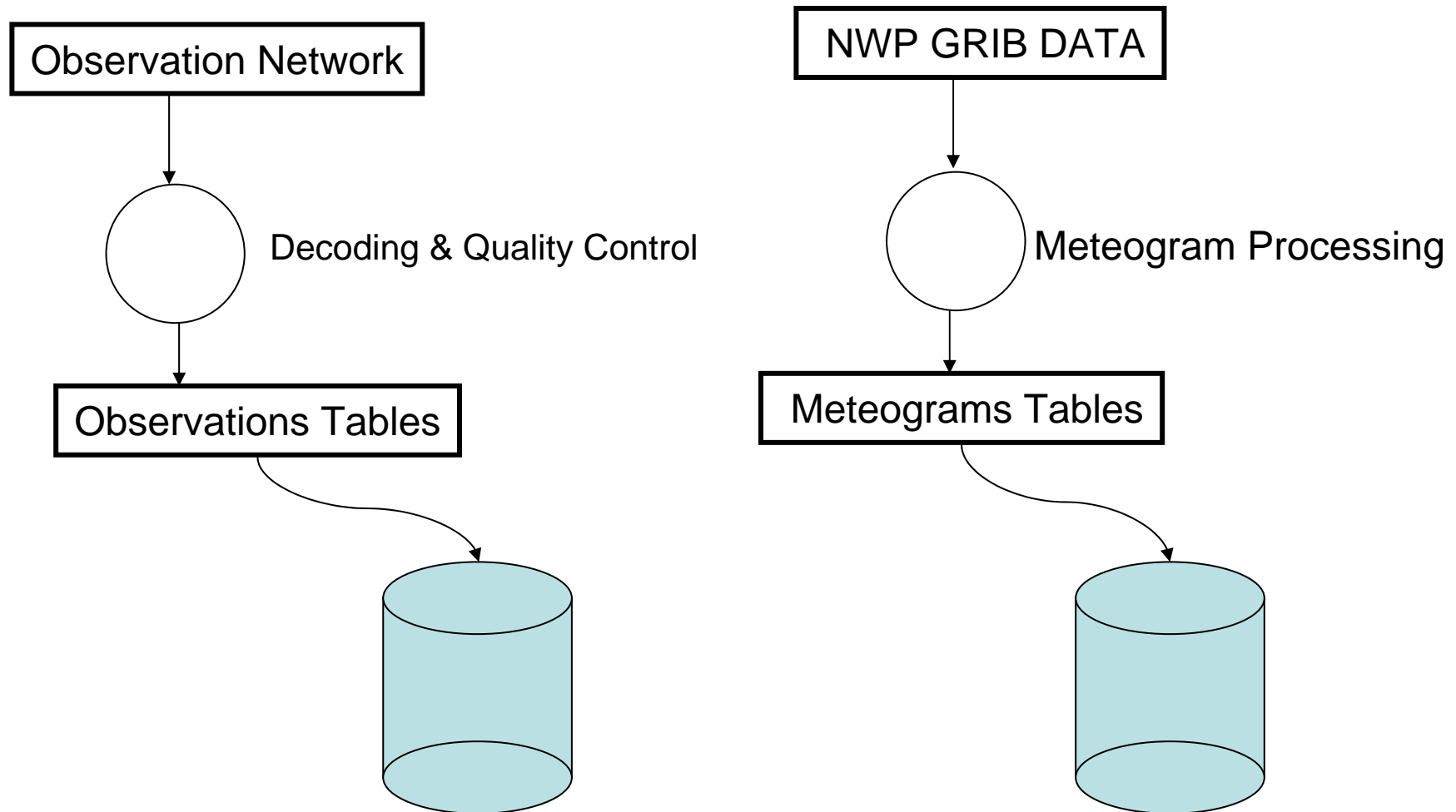
# New Approach

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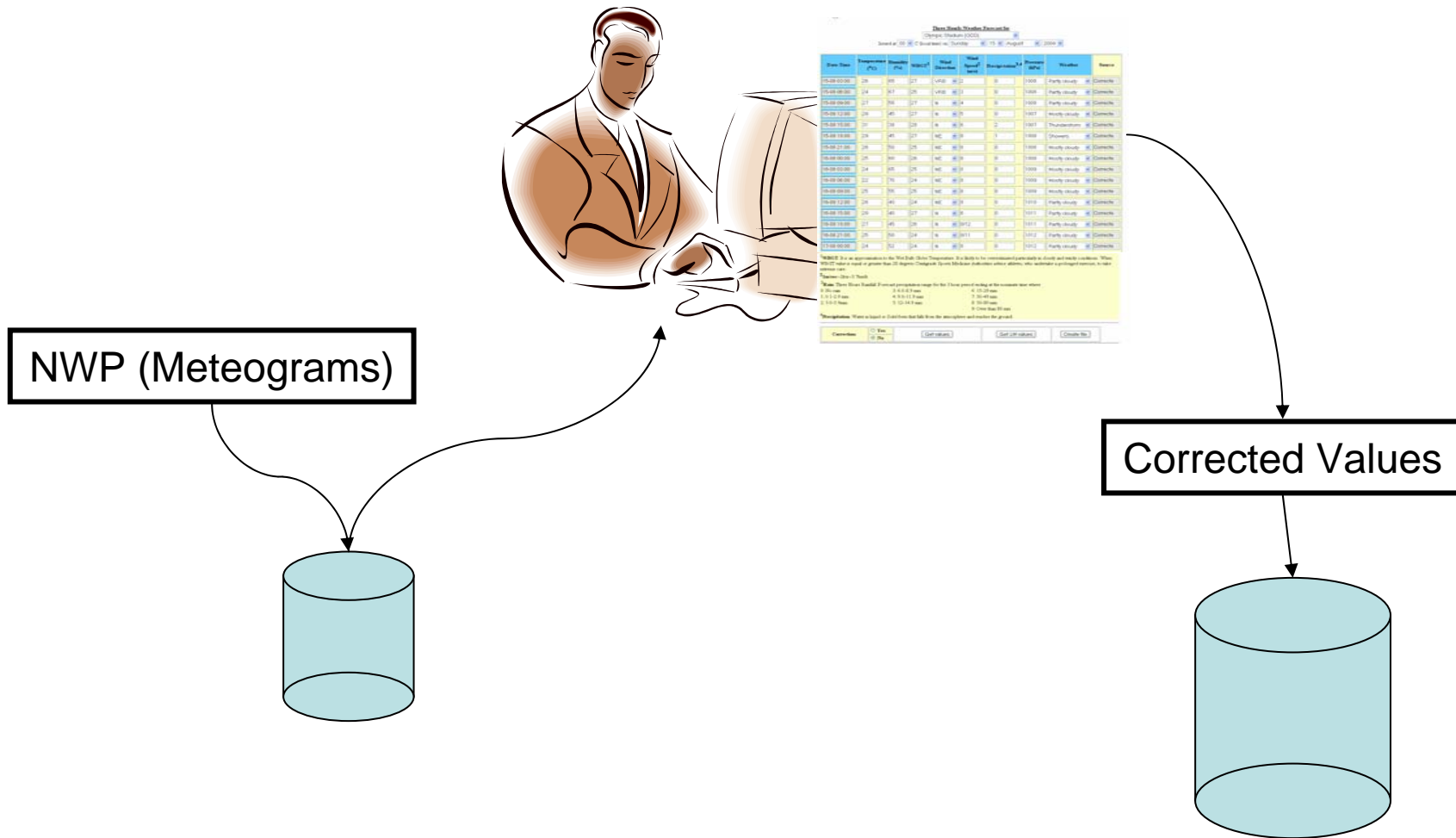
- Initial production
- Archiving
- Production
- Creation
- Management
- Control



# New Approach



# New Approach





# New Approach

### Three Hourly Weather Forecast for

Olympic Stadium (OCO)

Issued at  C (local time) on

Date-Time	Temperature (°C)	Humidity (%)	WBGT <sup>1</sup>	Wind Direction	Wind Speed <sup>2</sup> (m/s)	Precipitation <sup>3,4</sup>	Pressure (hPa)	Weather	Source
15-08 03:00	26	65	27	VRB <input type="button" value="v"/>	2	0	1008	Partly cloudy <input type="button" value="v"/>	Correcte
15-08 06:00	24	67	25	VRB <input type="button" value="v"/>	3	0	1008	Partly cloudy <input type="button" value="v"/>	Correcte
15-08 09:00	27	55	27	N <input type="button" value="v"/>	4	0	1008	Partly cloudy <input type="button" value="v"/>	Correcte
15-08 12:00	29	45	27	N <input type="button" value="v"/>	5	0	1007	Mostly cloudy <input type="button" value="v"/>	Correcte
15-08 15:00	31	38	28	N <input type="button" value="v"/>	6	2	1007	Thunderstorm <input type="button" value="v"/>	Correcte
15-08 18:00	29	45	27	NE <input type="button" value="v"/>	8	1	1008	Showers <input type="button" value="v"/>	Correcte
15-08 21:00	26	50	25	NE <input type="button" value="v"/>	8	0	1008	Mostly cloudy <input type="button" value="v"/>	Correcte
16-08 00:00	25	60	26	NE <input type="button" value="v"/>	8	0	1008	Mostly cloudy <input type="button" value="v"/>	Correcte
16-08 03:00	24	65	25	NE <input type="button" value="v"/>	8	0	1009	Mostly cloudy <input type="button" value="v"/>	Correcte
16-08 06:00	22	70	24	NE					
16-08 09:00	25	55	25	NE					
16-08 12:00	26	40	24	NE					
16-08 15:00	29	40	27	N					
16-08 18:00	27	45	26	N					
16-08 21:00	25	50	24	N					
17-08 00:00	24	52	24	N					

<sup>1</sup>WBGT: It is an approximation to the Wet Bulb Globe Temperature. It is likely to be overestimated particularly in cloudy and windy conditions. When WBGT value is equal or greater than 28 degrees Centigrade Sports Medicine Authorities advice athletes, who undertake a prolonged exercise, to take extreme care.

<sup>2</sup>1m/sec~2kts~3.7km/h

<sup>3</sup>Rain: Three Hours Rainfall: Forecast precipitation range for the 3 hour period ending at the nominate time where

0: No rain	3: 6.0-8.9 mm	6: 15-29 mm
1: 0.1-2.9 mm	4: 9.0-11.9 mm	7: 30-49 mm
2: 3.0-5.9mm	5: 12-14.9 mm	8: 50-80 mm
		9: Over than 80 mm

<sup>4</sup>Precipitation: Water in liquid or Solid form that falls from the atmosphere and reaches the ground.

Correction:  Yes  No

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File Manage >>

# New Approach

## Five Days Olympic Venues Weather Forecasts for

Olympic Stadium (OCO)

Issued at  C on

Day	TEMPERATURE (°C)		WIND (NOON)		WEATHER	24 HOUR PRECIPITATION <sup>2,3</sup>
	Min	Max	Dir	Spd <sup>1</sup> (m/sec)		
Friday 2004-08-13	<input type="text" value="23"/>	<input type="text" value="35"/>	<input type="text" value="VRB"/>	<input type="text" value="3"/>	<input type="text" value="Sky clear"/>	<input type="text" value="0"/>
Saturday 2004-08-14	<input type="text" value="23"/>	<input type="text" value="36"/>	<input type="text" value="VRB"/>	<input type="text" value="3"/>	<input type="text" value="Sky Clear"/>	<input type="text" value="0"/>
Sunday 2004-08-15	<input type="text" value="24"/>	<input type="text" value="31"/>	<input type="text" value="N"/>	<input type="text" value="5"/>	<input type="text" value="Thunderstorms"/>	<input type="text" value="2"/>
Monday 2004-08-16	<input type="text" value="21"/>	<input type="text" value="29"/>	<input type="text" value="NE"/>	<input type="text" value="8"/>	<input type="text" value="Rain"/>	<input type="text" value="1"/>
Tuesday 2004-08-17	<input type="text" value="20"/>	<input type="text" value="28"/>	<input type="text" value="NE"/>	<input type="text" value="5"/>	<input type="text" value="Temporarily cloudy"/>	<input type="text" value="0"/>

<sup>1</sup> 1m/sec~2kts~3.7km/h

<sup>2</sup> Precipitation: Water in liquid or solid form that falls from the atmosphere and reaches the ground.

<sup>3</sup> Forecast rainfall range for the 24-hour period ending at 9:00 a.m. of the next day, where

0: No rain	3: 6.0-8.9 mm	6: 15-29 mm
1: 0.1-2.9 mm	4: 9.0-11.9 mm	7: 30-49 mm
2: 3.0-5.9mm	5: 12-14.9 mm	8: 50-80 mm
		9: Over than 80 mm

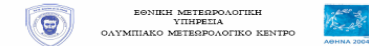
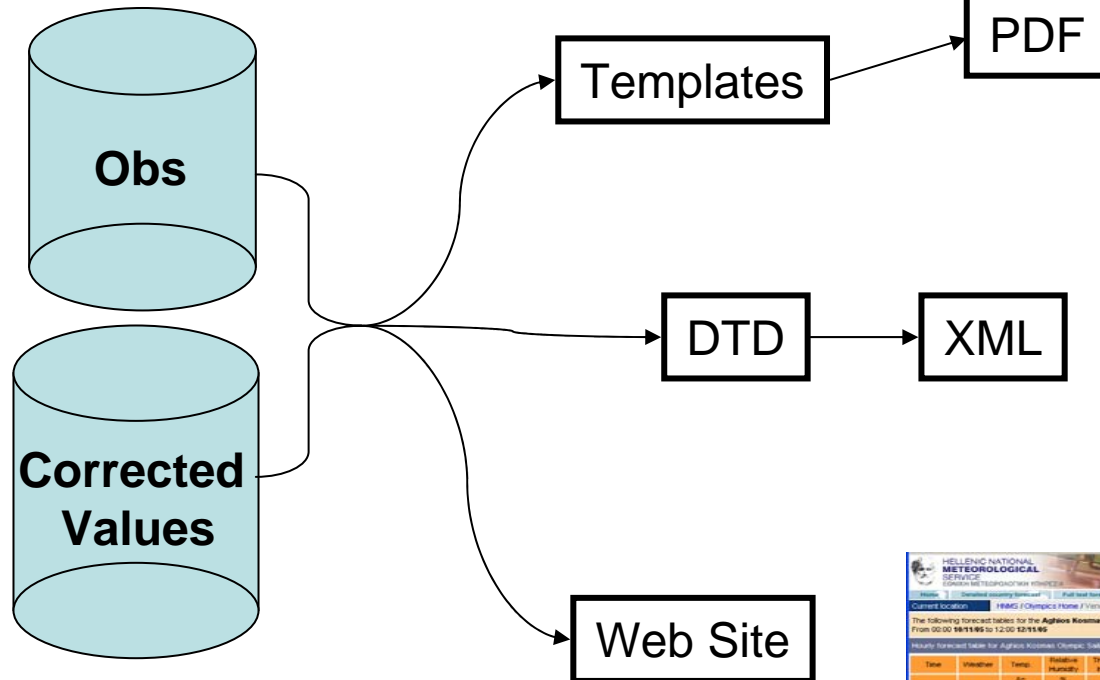
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[File Manage >>](#)



# New Approach



Εθνική Μετεωρολογική Παιδαγωγική Ολυμπιακή Έγκαιροποίηση  
Εκδόθηκε στις 15:15 C της δεύτερης 16 Αυγούστου 2004

α) Προβλεπόμενες (1) Βροχοπτώσεις τόπος σε mm:

β) Προβλεπόμενες (2) Προβλεπόμενες για το κλίμα:

ΑΝΑΜΟΝΙΜΑΤΑ ΚΑΤΑΓΛΩΤΙΣΤΗ ΠΕΡΙΟΧΗ ΤΗΣ ΘΕΣΣΑΛΙΑΣ ΤΗΣ ΑΠΟΓΕΥΜΑΤΙΝΗΣ ΩΡΗΣ

ΠΕΡΙΟΧΗ	ΤΕΜΠΕΡΑΤΟΥΡΑ (°C)	ΠΡΟΣΦΑΤΑ ΠΥΡΡΑ (%)	ΒΡΟΧΟΠΤΩΣΕΙΣ (mm)	ΑΝΕΜΟΣ (km/h)	ΑΝΕΜΟΣ (km/h)	ΥΨΟΣ (mm)	ΗΡΕΣΑ (mm)
ΚΑΡΔΙΑ	26	31	23	010	4	0,00	1012
ΚΑΡΔΙΑ	26	40	24	030	3	0,00	1011
ΚΑΡΔΙΑ	26	47	23	030	4	0,00	1012
ΚΑΡΔΙΑ	28	43	27	020	7	0,00	1010
ΚΑΡΔΙΑ	23	37	23	020	7	0,00	1012
ΚΑΡΔΙΑ	27	42	23	030	7	0,00	1011
ΚΑΡΔΙΑ	27	37	23	030	8	0,00	1011
ΚΑΡΔΙΑ	27	43	24	030	8	0,00	1011
ΚΑΡΔΙΑ	28	42	24	040	7	0,00	1011
ΚΑΡΔΙΑ	27	42	24	010	8	0,00	1011
ΚΑΡΔΙΑ	26	34	24	020	8	0,00	1010
ΚΑΡΔΙΑ	27	47	24	040	6	0,00	1012
ΚΑΡΔΙΑ	27	31	24	010	7	0,00	1012

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<Weather_Data_Site_Condition Msg_Air_Temp_C="27" Air_Temp_F="81" Wind_Direction="W" Wind_Speed_Max="3" Humidity="30" Prec_Quant_Max="0" />
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Time	Weather	Temp. °C	Humidity %	Wind Dir.	Wind Spd. km/h	Pressure hPa	Wind Dir.	Wind Spd. km/h	Rainfall mm
08:00 UTC	☀	19	91	14	0425	329	5	N/A	
09:00 UTC	☀	19	93	14	0425	335	5	N/A	
10:00 UTC	☀	19	93	14	0425	345	5	N/A	
11:00 UTC	☀	19	93	14	0425	348	5	N/A	
12:00 UTC	☀	19	93	14	0425	348	5	N/A	
13:00 UTC	☀	19	95	14	0425	339	5	N/A	
14:00 UTC	☀	19	97	14	0425	345	5	N/A	
15:00 UTC	☀	17	86	15	0425	358	6	N/A	
16:00 UTC	☀	15	66	17	0425	369	10	N/A	
17:00 UTC	☀	17	68	18	0426	369	11	N/A	
18:00 UTC	☀	18	63	18	0426	369	12	N/A	
19:00 UTC	☀	18	55	18	0425	369	12	N/A	
20:00 UTC	☀	18	51	18	0425	355	12	N/A	



# New Approach



ΕΘΝΙΚΗ ΜΕΤΕΩΡΟΛΟΓΙΚΗ  
ΥΠΗΡΕΣΙΑ  
ΟΛΥΜΠΙΑΚΟ ΜΕΤΕΩΡΟΛΟΓΙΚΟ ΚΕΝΤΡΟ



Γενικές Μετεωρολογικές Πληροφορίες Ολυμπιακών  
Εκδόθηκε στις 15:15 C της Δευτέρας 16 Αυγούστου

α) Προειδοποιήσεις

(1) Βρίσκονται τώρα σε ισχύ:

(2) Προοπτική για το υπόλοιπο διάστημα της ημέρας  
ΑΝΑΜΕΝΟΝΤΑΙ ΚΑΤΑΨΙΔΕΣ ΣΤΗΝ ΠΕΡΙΟΧΗ ΤΗΣ ΘΕΣΣΑΛΟΝΙΚΗΣ  
ΣΠΕΕ.

β) Παρών καιρός

ΤΟΠΟΘΕΣΙΑ	ΘΕΡΜΟΚΡΑΣΙΑ ( °C)	ΕΣΧΕΤΙΚΗ ΥΓΡΑΣΙΑ (%)	WBGT <sup>1</sup>	ΔΙΕΥΘΥΝΣΗ ΤΑ ΑΝΕΜΟΥ (ΑΛΗΘΗΣ)	Α (
ΟΛΥΜΠΙΑΚΟ ΣΤΑΔΙΟ (OCO)	26	51	25	010	
ΠΑΝΑΘΗΝΑΪΚΟ ΣΤΑΔΙΟ (PAN)	28	40	26	030	
ΓΟΥΔΙ (GOU)	26	47	25	030	
ΓΑΛΑΤΣΙ (GLT)	28	45	27	020	
ΔΕΚΕΛΕΙΑ (DEC)	23	57	23	020	
Α.ΛΙΟΣΙΑ (LIH)	27	42	25	030	
ΠΕΡΙΣΤΕΡΙ (PBH)	27	42	25	030	
ΝΙΚΑΙΑ (NIH)	25	57	25	320	
ΦΑΛΗΡΟ (FCO)	27	45	26	330	
ΒΑΛΗΝΙΚΟ (HCO)	28	42	26	360	
ΒΟΥΛΑΓΜΕΝΗ (VOU)	27	45	26	010	
ΜΑΡΚΟΠΟΥΛΟ-ΕΚΟΥ (ΕΠΙΣΤΗΜΟ ΚΕΝΤΡΟ)	26	54	26	020	
ΜΑΡΚΟΠΟΥΛΟ-ΣΗΟ (ΕΚΣΤΡΟΒΟΛΗ)	27	45	26	360	
ΣΧΙΝΙΑΣ (SCM)	27	51	26	010	

<sup>1</sup> WBGT: Είναι προσέγγιση της Wet Bulb Globe Temperature. Είναι πιθανό να είναι υπερεκτιμημένη ή υποεκτιμημένη σε ορισμένες περιπτώσεις. Η WBGT πρέπει να λαμβάνεται υπόψη από τους αθλητές ή μεγαλύτερη των 28 βαθμών και ο αθλητής απαιτείται για μεγάλο διάστημα.

<sup>2</sup> 1m/sec=2kt=3.7km/h

<sup>3</sup> Ύψος: Μετά σε υψόμετρο ή στατικό μετρήσιμο από την επιφάνεια και φθάνει



HELLENIC NATIONAL METEOROLOGICAL  
SERVICE  
OLYMPIC METEOROLOGICAL CENTRE



General Meteorological Information For Olympic Venues

Issued at 15:15 C on Monday 16 August 2004

a) Warnings

(1) Those are valid now:

(2) Outlook for the rest of the day:  
THUNDERSTORMS ARE EXPECTED IN THESSALONIKI DURING AFTERNOON.

b) Current Weather Details

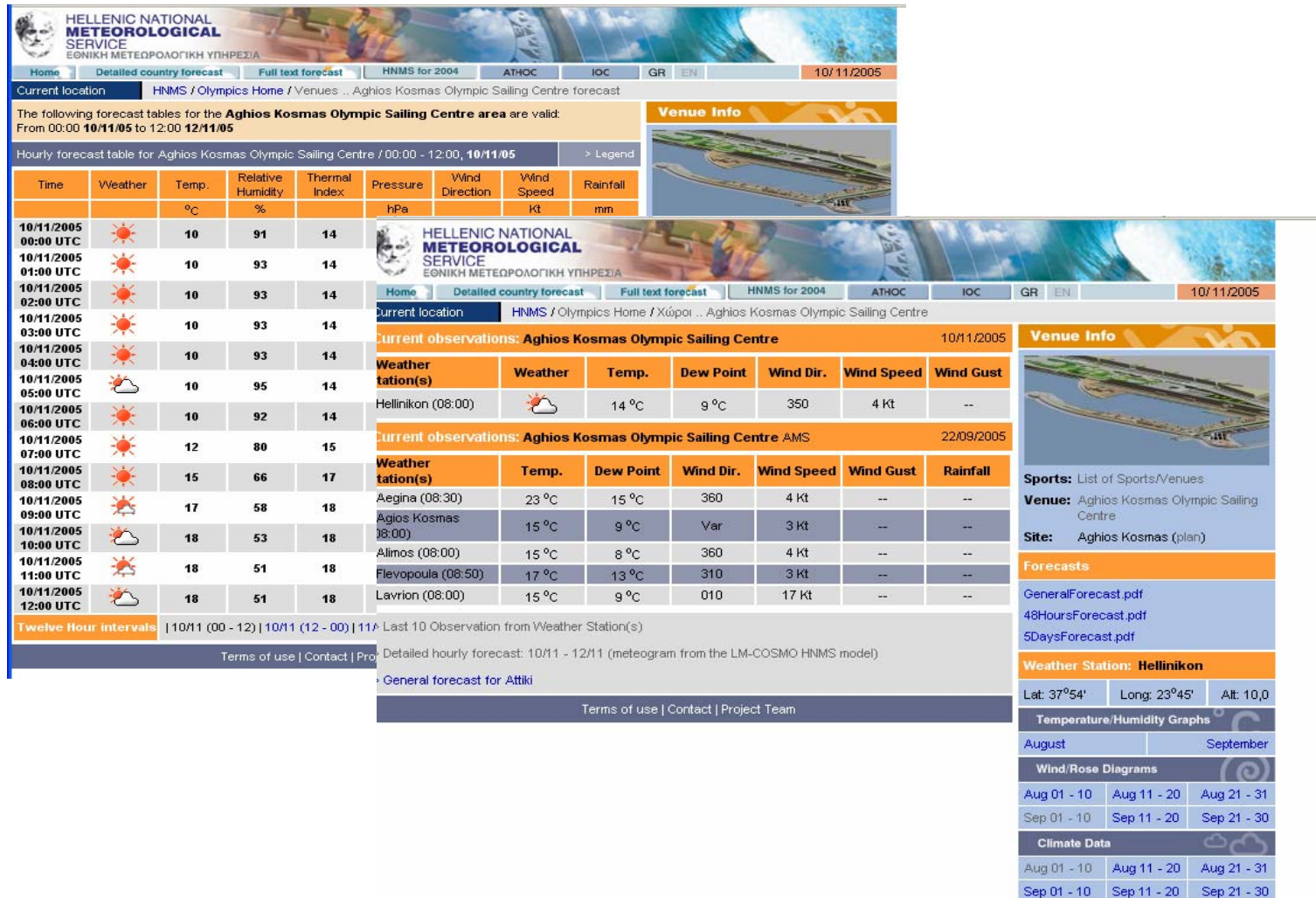
Location	Temperature ( °C)	Relative Humidity (%)	WBGT <sup>1</sup>	Wind Dir (true)	Wind Speed <sup>2</sup> (m/s)	Precipi- tation <sup>3</sup> (mm)	Pressure (hPa)
OLYMPIAKO STADIUM (OCO)	26	51	25	010	4	0.00	1012
PANATHINAIKO STADIUM (PAN)	28	40	26	030	3	0.00	1011
GOURI (GOU)	26	47	25	030	4	0.00	1012
GALATSI (GLT)	28	45	27	020	7	0.00	1010
DEKELEIA (DEC)	23	57	23	020	7	0.00	1012
ALIOSIA (LIH)	27	42	25	030	7	0.00	1011
PERISTERI (PBH)	27	42	25	030	7	0.00	1011
NIKAIA (NIH)	25	57	25	320	8	0.00	1011
FALIRO (FCO)	27	45	26	330	8	0.00	1011
HELLINIKO (HCO)	28	42	26	360	5	0.00	1011
VOULIAGMENI	27	45	26	010	9	0.00	1011
MARKOPOULO EQU (Equestrian Centre)	26	54	26	020	8	0.00	1010
MARKOPOULO SHO (Shooting Centre)	27	45	26	360	6	0.00	1012
Schinnias (SCM)	27	51	26	010	7	0.00	1012

<sup>1</sup> WBGT: It is an approximation to the Wet Bulb Globe Temperature. It is likely to be overestimated particularly in cloudy and windy conditions. When WBGT value is equal or greater than 28 degrees Centigrade Sports Medicine Authorities advise athletes who undertake a prolonged exercise, to take extreme care.

<sup>2</sup> 1m/sec=2kt=3.7km/h

<sup>3</sup> Precipitation: Water in liquid or solid form that falls from the atmosphere and reaches the ground.

# New Approach



The screenshot displays the Hellenic National Meteorological Service website interface. The main content area shows a detailed hourly forecast for the Aghios Kosmas Olympic Sailing Centre for 10/11/2005. The forecast table includes columns for Time, Weather, Temperature (°C), Relative Humidity (%), Thermal Index, Pressure (hPa), Wind Direction, Wind Speed (Kt), and Rainfall (mm). The weather is consistently sunny with temperatures ranging from 10°C to 18°C and wind speeds between 3 Kt and 17 Kt.

Time	Weather	Temp. °C	Relative Humidity %	Thermal Index	Pressure hPa	Wind Direction	Wind Speed Kt	Rainfall mm
10/11/2005 00:00 UTC	Sunny	10	91	14				
10/11/2005 01:00 UTC	Sunny	10	93	14				
10/11/2005 02:00 UTC	Sunny	10	93	14				
10/11/2005 03:00 UTC	Sunny	10	93	14				
10/11/2005 04:00 UTC	Sunny	10	93	14				
10/11/2005 05:00 UTC	Sunny	10	95	14				
10/11/2005 06:00 UTC	Sunny	10	92	14				
10/11/2005 07:00 UTC	Sunny	12	80	15				
10/11/2005 08:00 UTC	Sunny	15	66	17				
10/11/2005 09:00 UTC	Sunny	17	58	18				
10/11/2005 10:00 UTC	Sunny	18	53	18				
10/11/2005 11:00 UTC	Sunny	18	51	18				
10/11/2005 12:00 UTC	Sunny	18	51	18				

Additional features visible in the screenshot include a 'Venue Info' section with a map of the Aghios Kosmas Olympic Sailing Centre, a 'Current observations' table for Hellinikon (08:00) showing 14°C temperature and 9°C dew point, and a 'Forecasts' section with links to GeneralForecast.pdf, 48HoursForecast.pdf, and 5DaysForecast.pdf. The website also includes navigation menus, a search bar, and a footer with contact information.

# New Approach

## Weather Messaging System

<a href="#">Click here to go back</a>		<a href="#">Update List</a>		<a href="#">Logging System</a>	
<a href="#">Delete</a>	<a href="#">Send</a>	<b>Index</b>	<b>5 Days Forecasts English</b>	<b>Description</b>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	<a href="#">5dENOAKA15_08_13.pdf</a>	5 Days Forecast English OAKA	
<a href="#">Delete</a>	<a href="#">Send</a>	<b>Index</b>	<b>5 Days Forecasts Greek</b>	<b>Description</b>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	<a href="#">5dGROAKA15_08_13.pdf</a>	5 Days Forecast Greek OAKA	
<a href="#">Delete</a>	<a href="#">Send</a>	<b>Index</b>	<b>3 Hours Forecasts English</b>	<b>Description</b>	
<input type="checkbox"/>	<input type="checkbox"/>	1	<a href="#">3HENGUDI15_08_03.pdf</a>	3 Hour Forecast English GUDI	
<input type="checkbox"/>	<input type="checkbox"/>	2	<a href="#">3HENLGRX15_08_03.pdf</a>	3 Hour Forecast English LGRX	
<input type="checkbox"/>	<input type="checkbox"/>	3	<a href="#">3HENNFIL15_08_06.pdf</a>	3 Hour Forecast English NFIL	
<input type="checkbox"/>	<input type="checkbox"/>	4	<a href="#">3HENLGTS15_08_06.pdf</a>	3 Hour Forecast English LGTS	
<a href="#">Delete</a>	<a href="#">Send</a>	<b>Index</b>	<b>3 Hours Forecasts Greek</b>	<b>Description</b>	
<input type="checkbox"/>	<input type="checkbox"/>	1	<a href="#">3HGRGUDI15_08_03.pdf</a>	3 Hour Forecast Greek GUDI	
<input type="checkbox"/>	<input type="checkbox"/>	2	<a href="#">3HGRLGRX15_08_03.pdf</a>	3 Hour Forecast Greek LGRX	
<input type="checkbox"/>	<input type="checkbox"/>	3	<a href="#">3HGRNFIL15_08_06.pdf</a>	3 Hour Forecast Greek NFIL	
<input type="checkbox"/>	<input type="checkbox"/>	4	<a href="#">3HGRLGTS15_08_06.pdf</a>	3 Hour Forecast Greek LGTS	
<a href="#">Delete</a>	<a href="#">Send</a>	<b>Index</b>	<b>General Forecasts English</b>	<b>Description</b>	
<input type="checkbox"/>	<input type="checkbox"/>	1	<a href="#">GenEN16_0803.pdf</a>	General Forecast English	
<a href="#">Delete</a>	<a href="#">Send</a>	<b>Index</b>	<b>General Forecasts Greek</b>	<b>Description</b>	
<input type="checkbox"/>	<input type="checkbox"/>	1	<a href="#">GenGR16_0803.pdf</a>	General Forecast Greek	
<a href="#">Delete</a>	<a href="#">Send</a>	<b>Index</b>	<b>Warnings English</b>	<b>Description</b>	
<a href="#">Delete</a>	<a href="#">Send</a>	<b>Index</b>	<b>Warnings Greek</b>	<b>Description</b>	
<a href="#">Click here to go back</a>					



# New Approach

## Forecasting Logging System

Logs For Thursday 15 August 2004

[Update List](#) [Click here to go back](#) [e-Mail System](#)

3 Hours Forecasts	1120
5 Days Forecasts	280
General Forecasts	70
Warnings	152
<b>Total Forecasts</b>	<b>1622</b>

Date-Time	Forecast Type	Receipt	Filename
Sun, 15 Aug 2004 00:00	3 Hour Forecast English OLYMPIC STADIUM	[Sportscommand@athens2004.com]	3HENOAKA15_08_03.pdf
Sun, 15 Aug 2004 00:00	3 Hour Forecast English OLYMPIC STADIUM	[omk@hnms.gr]	3HENOAKA15_08_03.pdf
Sun, 15 Aug 2004 00:00	3 Hour Forecast English OLYMPIC STADIUM	[f.mouchli@spsec2004.culture.gr]	3HENOAKA15_08_03.pdf

THENS	[akosmas@hnms.gr]	WarnENATH15_08_1315.pdf	
THENS	[spyros.capralos@spsec2004.culture.gr]	WarnENATH15_08_1315.pdf	
THENS	[pmkm_mc@hnms.gr]	WarnENATH15_08_1315.pdf	
THENS	[kepp@gscp.gr]	WarnENATH15_08_1315.pdf	
THENS	[athens2004@hnms.gr]#EMY #/data/www/source/out/WarnGRATH15_08_1315.pdf		
THENS	[Sportscommand@athens2004.com]	WarnGRATH15_08_1315.pdf	
THENS	[omk@hnms.gr]	WarnGRATH15_08_1315.pdf	
THENS	[f.mouchli@spsec2004.culture.gr]	WarnGRATH15_08_1315.pdf	
THENS	[sxmias@hnms.gr]	WarnGRATH15_08_1315.pdf	
THENS	[akosmas@hnms.gr]	WarnGRATH15_08_1315.pdf	
THENS	[spyros.capralos@spsec2004.culture.gr]	WarnGRATH15_08_1315.pdf	
Sun, 15 Aug 2004 10:13	warning Greece ATHENS	THENS [pmkm_mc@hnms.gr]	WarnGRATH15_08_1315.pdf
Sun, 15 Aug 2004 10:13	Warning Greece ATHENS	[oy_mod@mod.mil.gr]	WarnGRATH15_08_1315.pdf
Sun, 15 Aug 2004 10:13	Warning Greece ATHENS	[kepp@gscp.gr]	WarnGRATH15_08_1315.pdf
Sun, 15 Aug 2004 10:44	5 Days Forecast English OLYMPIC STADIUM	[athens2004@hnms.gr]#EMY #/data/www/source/out/5dENOAKA15_08_13.pdf	
Sun, 15 Aug 2004 10:44	5 Days Forecast English OLYMPIC STADIUM	[Sportscommand@athens2004.com]	5dENOAKA15_08_13.pdf
Sun, 15 Aug 2004 10:44	5 Days Forecast English OLYMPIC STADIUM	[omk@hnms.gr]	5dENOAKA15_08_13.pdf
Sun, 15 Aug 2004 10:44	5 Days Forecast English OLYMPIC STADIUM	[f.mouchli@spsec2004.culture.gr]	5dENOAKA15_08_13.pdf
Sun, 15 Aug 2004 10:44	5 Days Forecast English OLYMPIC STADIUM		

# Warnings Problem

## Strong Wind Warning

Issued at 10 : 59 C on Friday 27 August 2004 for the greater  
Athens area

Kind of wind:	Direction:	Force (kts):	Time affected:
Strong	N	30 to 35	3

will affect the following Olympic Venues:

<input checked="" type="checkbox"/> <u>OCO (Olympiako Stadium)</u>	<input checked="" type="checkbox"/> <u>PBH (Peristeri)</u>	<input type="checkbox"/> <u>SHO (Markopoulo Sh.Centre)</u>
<input checked="" type="checkbox"/> <u>PAN (Panathinaiko Stadium)</u>	<input checked="" type="checkbox"/> <u>NIH (Nikaia)</u>	<input type="checkbox"/> <u>SCM (Schinias)</u>
<input checked="" type="checkbox"/> <u>GOU (Goudi)</u>	<input type="checkbox"/> <u>FCO (Faliro)</u>	<input type="checkbox"/> <u>HER (Heraklio)</u>
<input checked="" type="checkbox"/> <u>GLT (Galatsi)</u>	<input type="checkbox"/> <u>HCO (Helliniko)</u>	<input type="checkbox"/> <u>PAT (Patra)</u>
<input checked="" type="checkbox"/> <u>DEC (Dekeleia)</u>	<input type="checkbox"/> <u>VOU (Vouliagmeni)</u>	<input type="checkbox"/> <u>THE (Thessaloniki)</u>
<input checked="" type="checkbox"/> <u>LIH (Ano Liosia)</u>	<input type="checkbox"/> <u>EQU (Markopoulo Eq.Centre)</u>	<input type="checkbox"/> <u>VOL (Volos)</u>

Correction:	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="button" value="Create file"/>	<input type="button" value="Get last"/>
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[<<Back to main page](#)

[File Manage>>](#)

# Warnings Problem



**Strong Wind Warning**

Issued at 20:40 C on Friday 24 September 2004 for the greater Athens area.

Kind of wind	Direction	Force (kts)	Time affected
Strong	SE	25 - 35	1 hr

will affect the following Olympic Venues:

Code	Name	Address	City	Postal Code
FCO	Faliro	15122 Faliro	Athens	15122
HCO	Helliniko	15122 Helliniko	Athens	15122
VOU	Vouliagmeni	15122 Vouliagmeni	Athens	15122

Creation:  Yes  No



HELLENIC NATIONAL METEOROLOGICAL  
SERVICE  
OLYMPIC METEOROLOGICAL CENTRE



## Strong Wind Warning

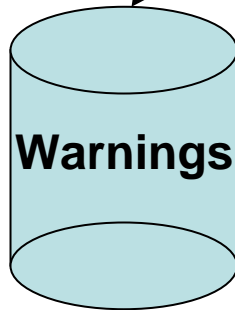
Issued at 20:40 C on Friday 24 September 2004 valid for the greater Athens area.

Strong southerly winds force 30 kts are expected to prevail during the next three hours over the following Olympic Venues:

- a. FCO (Faliro)
- b. HCO (Helliniko)
- c. VOU (Vouliagmeni)

**Weather Messaging System**

Order	Start	End	Description
<b>5 Days Forecast English</b>			
1	2004-09-24 20:00	2004-09-25 00:00	5 Day Forecast English GAZA
2	2004-09-24 20:00	2004-09-25 00:00	5 Day Forecast English GAZA
3	2004-09-24 20:00	2004-09-25 00:00	5 Day Forecast English GAZA
4	2004-09-24 20:00	2004-09-25 00:00	5 Day Forecast English GAZA
5	2004-09-24 20:00	2004-09-25 00:00	5 Day Forecast English GAZA
6	2004-09-24 20:00	2004-09-25 00:00	5 Day Forecast English GAZA
7	2004-09-24 20:00	2004-09-25 00:00	5 Day Forecast English GAZA
<b>3 Hours Forecast Greek</b>			
1	2004-09-24 20:00	2004-09-24 23:00	3 Hour Forecast Greek GAZA
2	2004-09-24 20:00	2004-09-24 23:00	3 Hour Forecast Greek GAZA
3	2004-09-24 20:00	2004-09-24 23:00	3 Hour Forecast Greek GAZA
4	2004-09-24 20:00	2004-09-24 23:00	3 Hour Forecast Greek GAZA
5	2004-09-24 20:00	2004-09-24 23:00	3 Hour Forecast Greek GAZA
6	2004-09-24 20:00	2004-09-24 23:00	3 Hour Forecast Greek GAZA
7	2004-09-24 20:00	2004-09-24 23:00	3 Hour Forecast Greek GAZA



PDF

XML

```
<?xml version="1.0" encoding="UTF-8" ?>
<Message Discipline="GL" Gender="0" Event="000" Phase="0" Unit="00" ISC="GL0000000" Type="X21" Version="S70" Correction="0" Format="D" Category="WITH"
Origin="INF_WITH_GTW" Date="20040827" Time="154200000" Language="ENG" Serial="582" Subtype="THE">
  <Weather_Msg>
    <Region_Alerts Code="THE">
      <Valid_From Date="20040827" Time="1164500000" />
      <Valid_To Date="20040827" Time="1745000000" />
      <Note Lang="ENG">Strong northerly winds force 25 to 35 kts are expected to prevail during the next three hours over Thessaloniki.</Note>
    </Region_Alerts>
  </Weather_Msg>
</Message>
```



# New Requirements

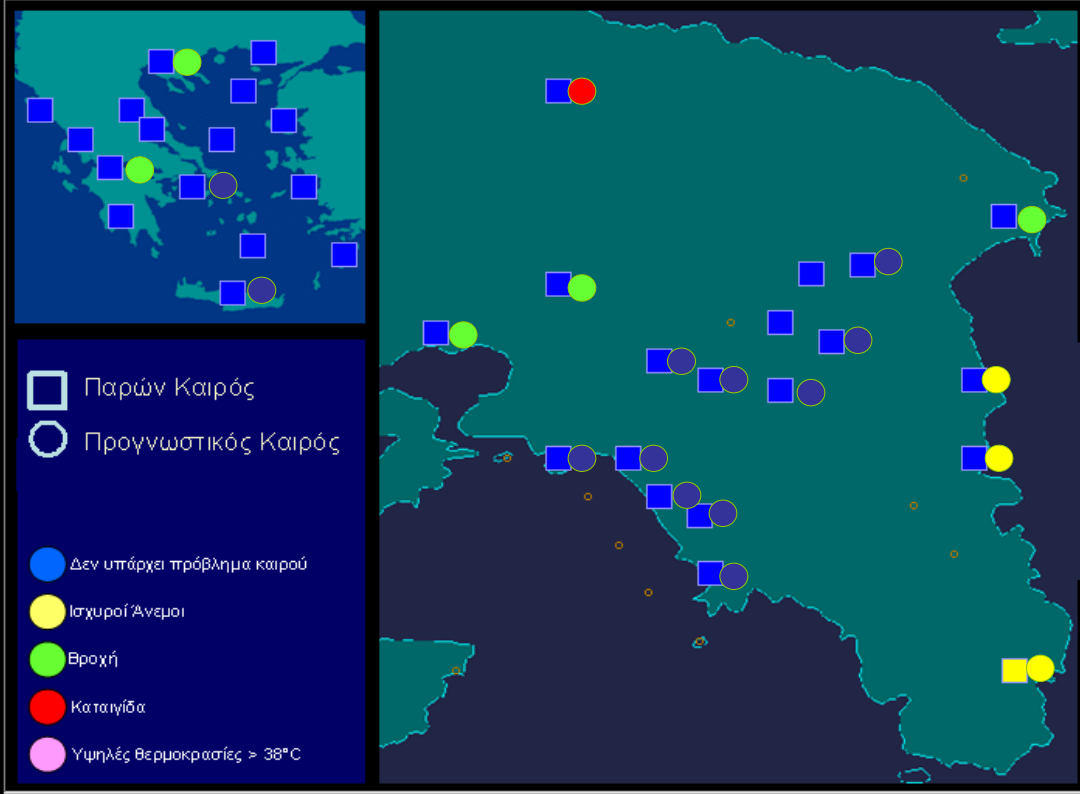
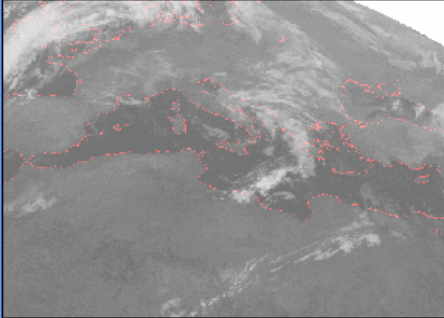
Lat 38.8° Lon 23.1°

Hellenic National Meteorological Service

[SAGR71 LGAT 091010 ---]  
VULA 091010Z 02008KT //// // // 27/15 Q1014 RE// RMK 0.0MM=

IR080600

Ελεγχος σε 18    Μεταφορά στο Clipboard



[ΔΑΥΡΙΟ] Άνεμος 11.3 m/sec

- Παρών Καιρός
- Προγνωστικός Καιρός
- Δεν υπάρχει πρόβλημα καιρού
- Ισχυροί Άνεμοι
- Βροχή
- Καταιγίδα
- Υψηλές θερμοκρασίες > 38°C



# Questions ?



ΑΘΗΝΑ 2004



ΑΘΗΝΑ 2004  
ΠΑΡΑΛΥΜΠΙΚΑ ΠΑΙΧΝΙΔΙΑ

