

7 September 2010

## MONTHLY WEATHER REPORT

### THE WEATHER IN AUGUST 2010

**General Weather Conditions:** In August the weather was warm and dry. The mean air temperature was about 3 °C above normal while the area average precipitation was zero.

**Abnormal weather Conditions:** On the 1<sup>st</sup> of the month, Athalassa Station recorded a maximum temperature of 45.6 °C, which was 8.4 °C above normal, and a minimum temperature of 29.0 °C, which was 7 °C above normal. The maximum temperature of 45.6 °C recorded on the 1<sup>st</sup> of August 2010 is the highest temperature ever recorded in Cyprus since the beginning of the previous century.

Also, during the month, long periods with temperatures above 40 °C were recorded.

**Precipitation:** According to preliminary estimates the area average precipitation in August was 0 mm i.e. 0% of normal. Monthly precipitation was zero in all areas.

The cumulative area average precipitation during the period October 2009-August 2010 was about 545.4mm, i.e. 109% of normal. The cumulative precipitation was above or around normal in all areas except in some mountainous and semi-mountainous areas.

**Temperature:** The mean air temperature for the month was about 3 °C above normal. Mean daily temperatures were above or around normal during the whole of the month. Extremely high temperatures were recorded during the periods 1-3 and 15-29 of the month, when maximum and minimum temperatures were about 2 to 8 °C above normal. Maximum temperatures exceeded 40° C at Athalassa on 12 occasions, 35 °C at Larnaka Airport on 14 and at Prodromos they exceeded 30° C on 19 occasions. Most stations recorded their highest maximum temperature either during the period 1-2 or on the 22<sup>nd</sup> of the month and their lowest minimum temperature either on the 8<sup>th</sup> or on the 20<sup>th</sup> or during the period 28-31 of the month.

The 5-day averages of air temperature and their differences from normal at various places are shown in Table 1 and the extreme temperatures are shown in Table 2.

AUGUST 2010

FIVE-DAY TEMPERATURES AND DIFFERENCES FROM NORMAL ( C )  
PRELIMINARY DATA

Table 1

MEAN DAILY MAXIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DIF/NCE
DATES	ACTUAL	DIF/NCE	ACTUAL	DIF/NCE	ACTUAL	DIF/NCE	ACTUAL	DIF/NCE	
1--5	41	4	34	2	32	2	34	6	3
6--10	37	0	34	1	32	1	29	1	1
11--15	39	2	34	1	32	2	29	2	2
16--20	42	5	36	4	33	3	33	6	4
21--25	40	4	37	5	33	3	30	3	3
26-31	38	2	34	2	32	3	30	4	3
<b>MONTH</b>	<b>39</b>	<b>3</b>	<b>35</b>	<b>2</b>	<b>32</b>	<b>2</b>	<b>31</b>	<b>4</b>	<b>3</b>

MEAN DAILY MINIMUM									
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS		MEAN DIF/NCE
DATES	ACTUAL	DIF/NCE	ACTUAL	DIF/NCE	ACTUAL	DIF/NCE	ACTUAL	DIF/NCE	
1--5	27	5	27	4	26	5	24	6	5
6--10	23	1	24	2	23	2	19	1	1
11--15	25	3	26	3	25	4	22	4	4
16--20	24	2	25	2	23	2	23	6	3
21--25	25	4	25	3	24	3	22	4	4
26-31	23	3	23	2	22	2	21	4	3
<b>MONTH</b>	<b>24</b>	<b>3</b>	<b>25</b>	<b>3</b>	<b>24</b>	<b>3</b>	<b>22</b>	<b>4</b>	<b>3</b>

Table 2

EXTREME TEMPERATURES								
STATION	ATHALASSA		LARNAKA AIRPORT		PAFOS AIRPORT		PRODROMOS	
TEMPERAT.	( C )	DATE	( C )	DATE	( C )	DATE	( C )	DATE
HIGHEST MAXIMUM	45.6	1	38.6	2	34.1	22	36.1	1
LOWEST MINIMUM	21.2	31	22.4	28	20.8	20	15.8	8