

Statistics for EGY_Luxor_ETMY

Location -- Luxor Qina EGY

{N 32 42'} {E 25 40'} {GMT +1.0 Hours}

Elevation -- 99m above sea level

Standard Pressure at Elevation -- 100141Pa

- Monthly Statistics for Dry Bulb temperatures C

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Maximum	28.8	28.0	36.2	42.2	44.0	45.0	42.2	45.0	41.4	38.0	34.0	27.6
Day:Hour	31:17	28:16	31:17	24:15	30:16	6:15	25:15	15:16	22:16	16:17	10:17	2:15
Minimum	1.7	4.6	3.0	11.0	14.8	5.0	23.0	22.0	19.1	14.6	1.2	2.5
Day:Hour	8:09	9:06	7:01	5:03	2:06	26:13	1:06	21:06	27:07	21:06	25:11	16:06
Daily Avg	14.8	16.3	20.3	24.9	29.3	32.2	32.9	32.4	30.8	26.1	21.6	15.3

- Maximum Dry Bulb temperature of 45.0 C on Jun 6

- Minimum Dry Bulb temperature of 1.2 C on Nov 25

- Average Hourly Statistics for Dry Bulb temperatures C

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0:01- 1:00	11.4	13.7	16.7	21.0	25.7	28.9	29.7	29.1	28.3	23.0	18.5	12.4
1:01- 2:00	10.9	12.6	15.9	20.4	24.9	27.9	28.7	28.4	27.3	22.1	18.0	11.4
2:01- 3:00	10.0	11.7	15.4	19.6	24.1	27.0	27.8	27.4	26.3	21.3	17.7	10.7
3:01- 4:00	9.4	11.0	15.0	18.9	23.3	26.1	27.0	26.6	25.6	20.5	16.7	10.2
4:01- 5:00	8.8	10.2	14.1	18.0	22.5	25.2	26.3	25.8	24.9	19.8	15.9	9.6
5:01- 6:00	8.4	9.7	13.7	17.2	21.4	24.4	25.6	24.9	24.5	19.4	15.1	8.7
6:01- 7:00	8.3	9.8	14.2	17.9	22.6	26.3	26.9	26.0	25.7	20.1	15.7	8.7
7:01- 8:00	8.6	10.5	15.4	20.1	24.9	28.5	29.5	28.2	27.0	21.7	16.9	9.3
8:01- 9:00	10.0	12.4	17.4	22.3	27.0	30.3	31.7	30.5	28.4	23.8	18.5	11.9
9:01-10:00	13.6	15.3	20.0	24.3	29.6	31.7	33.2	31.7	30.4	26.3	20.4	15.2
10:01-11:00	16.6	18.1	22.4	26.6	31.5	33.5	34.3	33.2	32.0	28.3	22.3	17.7
11:01-12:00	18.6	19.8	24.2	28.3	32.9	35.4	35.8	35.4	33.5	30.1	24.1	19.4
12:01-13:00	20.2	20.9	25.0	29.8	34.1	35.7	37.3	36.8	35.2	31.5	26.1	20.6
13:01-14:00	21.3	21.9	26.1	31.2	35.3	37.1	38.6	38.3	36.2	32.6	27.8	21.8
14:01-15:00	22.4	22.9	27.0	32.3	36.1	39.2	39.4	39.2	37.0	33.3	29.0	22.2
15:01-16:00	22.3	23.3	26.9	32.6	36.2	38.6	39.3	39.6	37.3	32.9	29.1	22.6
16:01-17:00	22.1	23.3	26.3	32.5	36.0	38.6	39.0	39.4	36.8	32.4	28.6	21.9
17:01-18:00	21.4	22.4	26.1	31.6	35.4	39.3	38.8	38.6	36.0	31.6	27.0	20.5
18:01-19:00	19.3	20.5	24.4	29.5	33.8	37.9	37.4	37.0	33.9	29.4	25.1	18.3
19:01-20:00	16.9	18.7	22.7	27.7	31.7	35.2	35.2	34.6	32.6	27.6	23.4	16.1
20:01-21:00	15.2	17.3	21.1	25.8	29.8	33.2	33.5	33.0	31.1	26.2	21.9	15.4
21:01-22:00	14.3	16.4	20.0	24.5	28.6	32.1	32.5	31.9	30.4	25.2	20.9	14.5
22:01-23:00	13.3	15.2	18.9	23.3	27.7	31.0	31.6	31.2	29.8	24.4	20.2	13.8
23:01-24:00	12.2	14.6	18.2	22.1	27.0	30.1	31.1	30.3	29.0	23.7	19.5	13.1
Max Hour	15	16	15	16	16	18	15	16	16	15	16	16
Min Hour	7	6	6	6	6	6	6	6	6	6	6	6

- Monthly Statistics for Extreme temperatures C

#Days	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max >= 32				5	13	28	30	31	31	30	23	6

- Monthly Statistics for Dew Point temperatures C

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Maximum	14.8	14.0	17.5	16.4	21.0	19.0	21.0	19.0	23.0	19.0	18.4	18.2
Day:Hour	31:17	3:22	1:21	25:21	5:18	14:07	8:22	3:01	6:22	12:23	21:12	2:18
Minimum	-3.0	-2.0	-4.6	-3.0	0.3	2.2	5.3	6.0	5.0	2.0	1.2	-2.8
Day:Hour	15:22	26:23	11:03	8:04	3:03	3:16	3:24	21:04	11:13	26:08	25:11	26:03
Daily Avg	5.1	5.0	5.3	6.3	7.9	10.7	12.3	13.3	14.0	11.4	10.1	5.9

- Maximum Dew Point temperature of 23.0 C on Sep 6

- Minimum Dew Point temperature of -4.6 C on Mar 11

- Monthly Statistics for Relative Humidity %

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Maximum	102	87	100	66	72	100	62	67	103	77	103	89
Day:Hour	14:07	6:04	7:01	6:07	18:22	26:13	8:22	1:06	27:08	30:07	16:22	30:06
Minimum	18	18	12	9	10	10	11	14	13	19	15	22
Day:Hour	28:15	19:19	31:15	23:16	6:16	3:14	11:15	23:16	11:13	5:16	24:17	26:17
Daily Avg	54	49	39	32	27	28	29	32	38	41	49	55

- Average Hourly Relative Humidity %

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0:01- 1:00	60	54	47	38	31	30	34	37	40	46	54	63
1:01- 2:00	61	57	50	40	32	32	36	38	42	48	55	66
2:01- 3:00	64	60	48	40	33	33	36	39	44	49	55	66
3:01- 4:00	66	61	49	41	35	35	37	40	45	50	57	66
4:01- 5:00	67	63	52	42	36	37	38	42	47	51	58	68
5:01- 6:00	69	64	53	45	39	39	39	46	49	53	60	71
6:01- 7:00	69	64	53	44	37	38	37	44	45	51	58	71
7:01- 8:00	69	62	50	40	34	35	34	42	45	48	57	69
8:01- 9:00	64	58	46	38	32	33	33	39	44	46	56	61
9:01-10:00	56	52	40	34	27	32	30	37	43	41	52	53
10:01-11:00	49	46	36	30	24	28	28	33	39	37	49	47
11:01-12:00	46	42	32	27	22	25	26	28	35	34	46	43
12:01-13:00	42	38	29	24	21	24	23	26	30	31	42	41
13:01-14:00	39	35	27	21	19	22	20	22	27	28	37	37
14:01-15:00	36	32	25	20	18	17	19	21	26	27	35	36
15:01-16:00	36	31	25	18	18	17	19	19	25	27	34	36
16:01-17:00	36	31	26	19	18	18	20	20	26	28	35	39
17:01-18:00	40	34	26	20	18	18	20	21	28	30	40	50
18:01-19:00	45	40	30	24	21	20	23	24	33	36	44	56
19:01-20:00	51	45	33	27	25	24	27	28	35	40	46	58
20:01-21:00	54	49	37	30	28	27	31	31	38	42	49	56
21:01-22:00	54	49	40	33	29	28	32	33	40	43	50	58
22:01-23:00	57	51	43	35	30	27	32	34	38	45	51	59
23:01-24:00	59	52	43	37	31	29	32	34	39	46	51	60
Max Hour	6	6	6	6	6	6	6	6	6	6	6	6
Min Hour	16	16	16	16	15	15	15	16	16	16	16	15

- Monthly Wind Direction % {N=0 or 360,E=90,S=180,W=270}

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
North	21	25	24	24	25	22	19	18	22	28	38	29
NorthEast	8	6	6	7	6	3	4	2	4	7	8	17
East	6	4	5	3	2	2	3	1	2	4	4	9
SouthEast	12	7	6	6	6	4	3	4	4	7	8	5
South	18	11	13	9	11	9	8	11	9	11	14	5
SouthWest	10	10	8	9	6	13	9	13	16	11	9	15
West	13	15	12	14	16	20	20	22	22	12	5	13
NorthWest	12	22	26	28	29	26	33	29	21	21	14	7

- Monthly Statistics for Wind Speed m/s

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Maximum	8.7	10.3	14.4	9.3	8.8	7.2	7.7	7.7	7.7	7.7	7.7	7.7
Day:Hour	5:16	14:15	7:15	7:16	18:22	6:16	30:15	8:24	26:01	13:18	20:15	16:21
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Day:Hour	2:08	1:05	1:04	7:22	2:03	3:03	1:06	4:07	1:07	3:02	1:13	1:01
Daily Avg	2.0	2.3	2.6	2.7	2.6	2.7	2.5	2.7	2.4	1.9	1.7	1.7

- Monthly Statistics for Solar Radiation (Direct Normal, Diffuse, Global Horizontal) Wh/m

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Direct Avg	5421	5915	7302	8125	8823	7932	7746	7386	6201	6648	5491	4793
Direct Max	7599	7936	9761	11889	10912	10492	10816	9294	7810	9281	8291	7646
Day	10	21	30	24	28	5	12	15	11	5	11	20
Diffuse Avg	1496	1698	1670	1772	1575	1996	1978	2011	1994	1688	1626	1447
Global Avg	4060	4904	6361	7479	8221	7997	7806	7344	6144	5542	4251	3608

- Maximum Direct Normal Solar of 11888 Wh/m on Apr 24

- Average Hourly Statistics for Direct Normal Solar Radiation Wh/m

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0:01- 1:00	0	0	0	0	0	0	0	0	0	0	0	0
1:01- 2:00	0	0	0	0	0	0	0	0	0	0	0	0
2:01- 3:00	0	0	0	0	0	0	0	0	0	0	0	0
3:01- 4:00	0	0	0	0	0	0	0	0	0	0	0	0
4:01- 5:00	0	0	0	0	0	0	0	0	0	0	0	0
5:01- 6:00	0	0	0	0	4	3	1	0	0	0	0	0
6:01- 7:00	0	0	25	122	214	229	231	133	116	51	1	0
7:01- 8:00	57	101	291	418	497	506	542	379	361	334	191	51
8:01- 9:00	195	296	535	717	804	765	805	678	533	575	400	265
9:01-10:00	535	616	778	856	987	784	841	703	623	775	596	629
10:01-11:00	842	845	957	902	1026	760	736	699	673	844	694	832
11:01-12:00	928	878	996	896	1002	807	709	788	704	877	751	806
12:01-13:00	839	804	901	933	941	796	776	835	768	846	758	688
13:01-14:00	714	719	846	883	898	843	830	877	762	834	793	612
14:01-15:00	664	652	759	864	841	841	793	800	700	735	726	497
15:01-16:00	476	610	699	771	734	689	657	737	575	559	519	382
16:01-17:00	171	391	470	603	594	563	506	537	361	217	64	31
17:01-18:00	0	3	44	160	282	346	319	221	22	0	0	0

18:01-19:00	0	0	0	0	0	1	0	0	0	0	0	0
19:01-20:00	0	0	0	0	0	0	0	0	0	0	0	0
20:01-21:00	0	0	0	0	0	0	0	0	0	0	0	0
21:01-22:00	0	0	0	0	0	0	0	0	0	0	0	0
22:01-23:00	0	0	0	0	0	0	0	0	0	0	0	0
23:01-24:00	0	0	0	0	0	0	0	0	0	0	0	0
Max Hour	12	12	12	13	11	14	10	14	13	12	14	11
Min Hour	1	1	1	1	1	1	1	1	1	1	1	1

- Monthly Calculated "undisturbed" Ground Temperatures** C

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0.5 m	18.0	21.4	25.2	28.1	32.1	32.9	31.6	28.3	24.1	20.1	17.3	16.6
2.0 m	19.0	20.9	23.6	25.8	29.4	30.8	30.5	28.7	25.7	22.6	20.0	18.7
4.0 m	20.6	21.5	23.0	24.5	27.2	28.6	28.9	28.1	26.4	24.3	22.2	20.9

- Climate type "BWh" (Kppen classification)**
- Subtropical hot desert (lat. 15-25 N)
- Unbearably hot dry periods in summer, but passive cooling is possible

