

**Tab. 6.12: AUßENLUFTTEMPERATUREN (Ouagadougou - 1993) in °C**

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
Maximun Hourly	35.6	38.3	42.2	41.1	41.1	37.8	35.0	33.9	35.0	37.2	37.8	35.0	<b>42.2</b>
Average Maximun (Zeitpunkt)	29.9 (14:00)	35.2 (14:00)	38.0 (14:00)	39.1 (14:00)	38.7 (14:00)	34.0 (14:00)	31.2 (14:00)	30.5 (14:00)	31.3 (14:00)	34.7 (14:00)	35.3 (14:00)	32.1 (14:00)	<b>34.2</b> (14:00)
Average Hourly	<b>23.2</b>	<b>28.0</b>	<b>31.3</b>	<b>33.4</b>	<b>33.6</b>	<b>29.7</b>	<b>27.5</b>	<b>26.7</b>	<b>27.3</b>	<b>29.5</b>	<b>28.6</b>	<b>25.2</b>	<b>28.7</b>
Amplitude	6.7	7.2	6.7	5.7	5.1	4.3	3.7	3.8	4.0	5.2	6.7	6.9	<b>5.5</b>

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
0 :00	17.6	21.9	25.6	28.3	29.4	26.0	24.4	23.3	23.7	24.9	22.5	19.0	<b>23.9</b>
1 :00	16.9	21.1	24.9	27.8	28.8	25.6	23.9	23.0	23.4	24.4	22.0	18.4	<b>23.4</b>
2 :00	16.6	20.9	24.8	27.5	28.5	25.4	23.7	22.9	23.3	24.4	21.9	18.4	<b>23.2</b>
3 :00	16.6	21.0	25.0	27.7	28.5	25.5	23.7	23.1	23.5	24.6	22.3	18.7	<b>23.4</b>
4 :00	17.1	21.7	25.6	28.4	28.9	25.9	24.0	23.5	23.9	25.2	23.1	19.5	<b>23.9</b>
5 :00	18.1	22.7	26.6	29.3	29.6	26.6	24.5	24.2	24.7	26.1	24.3	20.7	<b>24.8</b>
6 :00	19.4	24.2	28.0	30.6	30.7	27.4	25.2	25.0	25.6	27.3	25.8	22.3	<b>26.0</b>
7 :00	21.0	25.9	29.6	32.0	31.8	28.4	26.1	25.9	26.5	28.6	27.5	24.0	<b>27.3</b>
8 :00	22.7	27.8	31.3	33.4	33.1	29.6	27.0	26.9	27.6	29.9	29.3	25.8	<b>28.7</b>
9 :00	24.4	29.6	33.0	34.9	34.5	30.7	28.0	27.9	28.6	31.2	31.0	27.5	<b>30.1</b>
10 :00	26.1	31.3	34.6	36.3	35.7	31.7	29.0	28.7	29.5	32.4	32.5	29.1	<b>31.4</b>
11 :00	27.5	32.8	36.0	37.6	36.9	32.6	29.8	29.5	30.3	33.4	33.8	30.5	<b>32.6</b>
12 :00	28.7	34.1	37.1	38.4	37.8	33.4	30.5	30.0	30.9	34.2	34.7	31.5	<b>33.4</b>
13 :00	29.5	34.8	37.7	39.0	38.4	33.8	31.0	30.4	31.2	34.6	35.3	32.0	<b>34.0</b>
14 :00	29.9	35.2	38.0	39.1	38.7	34.0	31.2	30.5	31.3	34.7	35.3	32.1	<b>34.2</b>
15 :00	29.7	35.0	37.7	39.0	38.7	33.8	31.2	30.2	31.1	34.4	34.9	31.7	<b>34.0</b>
16 :00	29.2	34.3	37.0	38.4	38.3	33.4	31.0	29.8	30.6	33.7	34.1	30.9	<b>33.4</b>
17 :00	28.2	33.2	36.0	37.4	37.5	32.8	30.4	29.2	29.9	32.9	32.9	29.7	<b>32.5</b>
18 :00	26.9	31.7	34.7	36.2	36.6	31.9	29.8	28.4	29.0	31.7	31.4	28.2	<b>31.4</b>
19 :00	25.4	30.1	33.1	34.8	35.4	30.9	28.8	27.4	28.1	30.5	29.8	26.5	<b>30.1</b>
20 :00	23.7	28.2	31.3	33.3	34.1	29.7	27.9	26.5	27.0	29.2	27.9	24.7	<b>28.6</b>
21 :00	22.0	26.3	29.6	31.8	32.8	28.7	26.9	25.5	25.9	27.8	26.3	23.0	<b>27.2</b>
22 :00	20.3	24.6	28.1	30.4	31.5	27.6	25.9	24.6	25.0	26.6	24.7	21.3	<b>25.9</b>
23 :00	18.8	23.1	26.6	29.2	30.3	26.7	25.1	23.8	24.3	25.6	23.4	19.9	<b>24.7</b>

**Tab. 6.13: Total Vertical Solar Radiation East in W/m<sup>2</sup>**

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
<b>Maximun Hourly</b> (Zeitpunkt: d / h)	469.6 (8 / 8:00)	520.8 (20 / 8:00)	539.4 (14 / 9:00)	587.7 (12 / 8:00)	455.4 (11 / 9:00)	448.3 (29 / 9:00)	448.3 (20 / 9:00)	541.7 (2 / 8:00)	577.7 (29 / 8:00)	490.5 (3 / 9:00)	<b>643.3</b> (20 / 8:00)	633.8 (9 / 8:00)	<b>643.3</b> (20 / 8:00)
<b>Average Maximun</b> (Zeitpunkt)	399.2 (8:00)	396.0 (8:00)	463.7 (9:00)	457.9 (9:00)	431.5 (9:00)	408.6 (9:00)	405.5 (9:00)	419.0 (9:00)	443.6 (9:00)	451.9 (9:00)	398.4 (8:00)	404.6 (8:00)	<b>410.4</b> (9:00)
<b>Average Hourly</b>	91.2	98.5	107.7	110.3	106.5	102.5	103.1	105.2	108.2	104.0	91.9	87.8	<b>101.4</b>

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
0:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00	0.0	0.0	0.0	0.2	1.9	1.5	0.3	0.0	0.0	0.0	0.0	0.0	0.3
6:00	29.4	37.5	87.5	152.6	187.2	159.9	129.1	118.0	149.0	171.8	132.5	69.4	118.7
7:00	311.9	315.1	341.4	355.5	342.9	307.2	286.6	300.4	342.9	376.8	359.8	343.9	332.0
8:00	399.2	396.0	408.2	386.5	365.6	332.1	324.5	345.4	389.7	402.0	398.4	404.6	379.4
9:00	359.2	373.5	463.7	457.9	431.5	408.6	405.5	419.0	443.6	451.9	357.2	353.5	410.4
10:00	362.7	389.8	384.3	361.9	337.2	329.5	340.5	351.3	347.5	327.5	307.0	319.8	346.6
11:00	228.0	245.8	251.3	242.5	224.8	234.7	249.4	254.8	243.7	203.1	189.6	186.9	229.6
12:00	163.4	169.3	183.4	189.6	181.2	187.2	199.0	202.5	197.1	170.8	157.3	143.9	178.7
13:00	141.0	150.7	163.0	173.4	165.9	168.0	180.1	181.7	174.2	155.8	137.4	128.0	159.9
14:00	83.8	135.2	145.1	154.6	150.1	150.7	160.9	162.6	153.8	116.9	74.5	70.7	129.9
15:00	59.0	75.6	77.7	86.4	81.6	85.8	93.7	94.2	84.4	69.2	55.6	51.9	76.3
16:00	38.7	52.9	55.3	60.1	58.6	62.1	68.3	65.2	53.9	42.3	31.9	28.9	51.5
17:00	11.9	21.2	24.1	25.8	26.4	30.8	34.1	29.3	17.8	7.7	4.1	5.5	19.9
18:00	0.0	0.2	0.3	0.3	0.6	1.5	2.0	0.9	0.0	0.0	0.0	0.0	0.5
19:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Tab. 6.14: Total Vertical Solar Radiation Sud in W/m²**

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
<b>Maximun Hourly</b> (Zeitpunkt: d / h)	577.1 (4 / 12:00)	451.3 (1 / 13:00)	354.2 (2 / 12:00)	256.4 (2 / 12:00)	215.1 (1 / 12:00)	199.6 (1 / 12:00)	204.8 (29 / 12:00)	232.2 (31 / 12:00)	302.8 (30 / 11:00)	411.7 (29 / 11:00)	489.2 (30 / 11:00)	<b>583.0</b> (24 / 12:00)	<b>583.0</b> (24 / 12:00)
<b>Average Maximun</b> (Zeitpunkt)	480.6 (12:00)	396.3 (12:00)	281.2 (12:00)	211.7 (12:00)	181.5 (12:00)	180.9 (11:00)	191.7 (12:00)	210.4 (12:00)	259.7 (12:00)	347.2 (11:00)	440.3 (11:00)	498.6 (11:00)	<b>306.3</b> (12:00)
<b>Average Hourly</b>	140.9	115.8	80.9	63.2	56.4	56.3	59.5	63.5	74.2	100.8	129.0	149.5	<b>90.8</b>

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
0:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00	11.2	8.4	10.7	18.2	23.8	23.1	18.8	16.3	19.1	34.3	44.1	29.6	21.5
7:00	138.7	94.9	63.5	55.6	55.6	55.8	54.4	56.6	62.8	106.3	158.9	178.8	90.2
8:00	233.6	167.7	112.8	81.6	78.8	78.7	82.0	87.2	101.0	159.3	238.3	274.3	141.3
9:00	290.4	216.9	199.0	166.9	153.9	149.9	153.9	165.3	195.9	287.4	307.8	334.3	218.5
10:00	443.0	354.6	255.1	196.0	171.2	171.0	178.1	192.7	237.7	329.8	421.7	471.0	285.2
11:00	474.2	389.3	276.6	209.5	178.9	180.9	190.4	208.3	258.5	347.2	440.3	498.6	304.4
12:00	480.6	396.3	281.2	211.7	181.5	179.8	191.7	210.4	259.7	345.9	439.5	497.2	306.3
13:00	459.4	381.2	265.7	204.7	177.1	173.7	187.9	203.0	241.6	318.4	410.9	474.5	291.5
14:00	332.0	343.6	233.7	179.3	159.1	155.7	168.2	180.4	206.7	236.9	272.7	334.3	233.6
15:00	265.4	211.8	123.5	96.7	84.7	87.4	96.1	100.8	109.0	148.5	213.8	273.5	150.9
16:00	188.3	150.8	83.7	67.0	60.7	63.0	69.9	70.1	67.8	88.7	130.9	184.8	102.1
17:00	65.9	63.1	34.7	28.5	27.0	31.0	34.5	31.1	21.5	15.6	17.3	37.9	34.0
18:00	0.0	0.4	0.4	0.3	0.6	1.5	2.0	0.9	0.0	0.0	0.0	0.0	0.5
19:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Tab. 6.15: Total Vertical Solar Radiation West in W/m²**

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
<b>Maximun Hourly</b> (Zeitpunkt: d / h)	489.2 (31 / 16:00)	708.6 (17 / 16:00)	<b>716.4</b> (25 / 16:00)	673.6 (11 / 15:00)	455.9 (9 / 14:00)	502.9 (24 / 15:00)	506.2 (2 / 16:00)	432.2 (21 / 14:00)	486.4 (30 / 14:00)	507.9 (6 / 14:00)	559.6 (4 / 15:00)	636.2 (9 / 15:00)	<b>716.4</b> (25 / 16:00)
<b>Average Maximun</b> (Zeitpunkt)	390.9 (15:00)	436.1 (14:00)	444.1 (14:00)	435.9 (14:00)	422.4 (14:00)	399.0 (14:00)	380.3 (14:00)	397.7 (14:00)	428.8 (14:00)	409.4 (14:00)	389.3 (15:00)	398.4 (15:00)	<b>399.1</b> (14:00)
<b>Average Hourly</b>	90.6	100.6	107.6	108.4	104.7	103.1	100.7	102.4	105.3	98.6	91.0	87.9	<b>100.1</b>

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
0:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00	2.1	2.8	7.9	16.6	23.2	23.0	18.6	15.3	15.7	15.3	9.7	4.7	12.9
7:00	26.4	32.0	43.0	50.3	53.7	55.2	53.4	52.9	49.8	45.0	38.2	32.2	44.3
8:00	50.1	59.9	72.6	73.6	75.7	77.5	80.1	80.8	76.7	65.3	62.4	55.5	69.2
9:00	69.5	74.3	125.0	144.5	145.0	145.5	147.7	149.7	144.2	134.1	91.4	71.1	120.2
10:00	134.3	136.9	158.0	165.9	160.1	164.7	169.2	172.3	171.6	153.9	141.3	126.5	154.6
11:00	151.7	152.9	171.8	184.0	176.8	184.0	189.6	193.6	195.9	172.9	162.7	142.3	173.2
12:00	180.1	179.8	203.3	224.3	219.1	216.7	222.3	229.2	240.8	233.5	217.5	180.7	212.3
13:00	290.0	295.8	318.4	336.9	328.7	309.1	303.9	317.7	343.8	359.9	346.6	311.1	321.8
14:00	336.7	436.1	444.1	435.9	422.4	399.0	380.3	397.7	428.8	409.4	355.2	344.1	399.1
15:00	390.9	408.0	395.0	382.3	354.6	338.3	310.8	324.4	358.2	379.8	389.3	398.4	369.2
16:00	371.4	399.1	392.7	365.3	342.8	333.0	315.4	320.3	344.1	317.0	316.9	355.7	347.8
17:00	170.3	234.5	245.5	218.2	204.5	215.9	208.8	196.2	157.9	80.4	51.9	87.9	172.7
18:00	0.1	2.2	4.1	3.3	5.3	12.6	15.8	7.2	0.3	0.0	0.0	0.0	4.2
19:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Tab. 6.16: Total Vertical Solar Radiation Nord in W/m<sup>2</sup>**

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
<b>Maximun Hourly</b> (Zeitpunkt: d / h)	171.5 (7 / 12:00)	191.8 (28 / 12:00)	201.0 (19 / 12:00)	226.7 (30 / 12:00)	256.6 (30 / 12:00)	<b>266.3</b> (21 / 12:00)	264.6 (1 / 12:00)	238.2 (1 / 12:00)	211.2 (1 / 12:00)	194.1 (2 / 11:00)	182.7 (1 / 11:00)	171.4 (3 / 11:00)	<b>266.3</b> (21 / 12:00)
<b>Average Maximun</b> (Zeitpunkt)	148.0 (12:00)	152.7 (12:00)	170.6 (12:00)	195.4 (12:00)	219.9 (12:00)	251.8 (11:00)	247.9 (12:00)	217.1 (12:00)	193.9 (12:00)	162.7 (12:00)	149.7 (11:00)	134.4 (12:00)	<b>186.9</b> (12:00)
<b>Average Hourly</b>	37.8	43.5	52.2	63.5	78.9	91.6	87.5	71.8	58.9	47.5	39.3	35.1	<b>59.0</b>

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
0:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00	0.0	0.0	0.0	0.0	0.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.1
6:00	2.1	3.0	9.3	29.6	62.3	68.6	52.2	31.8	19.9	16.4	9.8	4.7	25.8
7:00	26.5	32.8	47.6	69.3	110.6	128.8	113.8	83.7	57.1	46.4	38.2	32.2	65.6
8:00	50.1	60.4	77.0	87.9	125.2	146.3	137.7	108.0	83.4	66.3	62.4	55.5	88.4
9:00	69.5	74.5	131.3	166.0	204.7	231.3	220.4	184.2	155.2	135.6	91.4	71.1	144.6
10:00	134.2	137.1	163.1	186.4	213.6	245.4	238.7	204.2	182.1	154.2	140.2	126.1	177.1
11:00	144.6	147.9	169.3	194.1	217.5	251.8	246.9	215.6	193.9	160.2	149.7	133.6	185.4
12:00	148.0	152.7	170.6	195.4	219.9	251.0	247.9	217.1	193.9	162.7	149.0	134.4	186.9
13:00	139.2	148.8	166.0	193.7	219.0	247.6	244.4	213.1	185.0	156.9	137.3	127.3	181.5
14:00	83.8	135.5	150.4	176.8	208.1	236.6	230.1	196.8	165.7	118.5	74.5	70.7	154.0
15:00	59.0	75.9	80.7	101.8	128.5	155.2	146.0	117.7	91.7	70.4	55.7	51.9	94.5
16:00	38.7	53.6	59.2	79.7	113.8	139.9	130.7	95.6	62.0	44.0	32.0	28.9	73.2
17:00	11.9	21.8	27.3	42.2	67.7	90.4	83.6	54.0	22.8	8.3	4.1	5.5	36.6
18:00	0.0	0.2	0.4	0.6	1.9	5.6	6.5	2.1	0.1	0.0	0.0	0.0	1.5
19:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Tab. 6.21: Diffuse Solar Radiation Vertical East in W/m<sup>2</sup>**

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
<b>Maximun Hourly</b> (Zeitpunkt: d / h)	250.1 (7 / 10:00)	282.8 (28 / 10:00)	298.5 (19 / 9:00)	<b>302.1</b> (4 / 9:00)	287.4 (1 / 9:00)	283.6 (2 / 9:00)	282.9 (24 / 9:00)	293.7 (31 / 9:00)	296.0 (16 / 9:00)	293.9 (4 / 9:00)	278.5 (1 / 9:00)	242.7 (22 / 10:00)	<b>302.1</b> (4 / 9:00)
<b>Average Maximun</b> (Zeitpunkt)	208.2 (10:00)	221.6 (10:00)	251.5 (10:00)	260.1 (9:00)	254.8 (9:00)	254.2 (9:00)	266.0 (9:00)	271.2 (9:00)	260.6 (10:00)	235.7 (9:00)	201.5 (10:00)	183.1 (10:00)	<b>234.7</b> (10:00)
<b>Average Hourly</b>	46.5	53.6	64.3	68.9	67.1	69.1	72.9	73.3	69.3	58.6	48.0	42.3	<b>61.1</b>

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
0:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
6:00	2.0	2.9	10.0	24.7	36.0	36.7	29.6	23.7	22.5	20.7	12.2	5.0	18.8
7:00	38.2	49.0	71.0	84.7	92.2	95.5	93.3	92.7	85.9	73.1	61.5	48.6	73.8
8:00	82.9	102.7	125.1	127.6	127.9	129.1	134.9	141.6	132.5	109.8	103.7	91.2	117.4
9:00	109.7	121.8	231.7	260.1	254.8	254.2	266.0	271.2	258.4	235.7	144.6	109.8	209.8
10:00	208.2	221.6	251.5	255.1	237.6	247.1	262.1	265.6	260.6	222.5	201.5	183.1	234.7
11:00	176.2	182.2	205.4	211.1	197.3	209.7	224.5	227.9	221.1	181.2	168.1	148.9	196.1
12:00	163.4	169.3	183.4	189.6	181.2	187.2	199.1	202.5	197.1	170.8	157.3	143.9	178.7
13:00	141.1	150.7	163.0	173.4	165.9	168.0	180.1	181.7	174.2	155.8	137.4	128.0	159.9
14:00	83.8	135.2	145.1	154.6	150.1	150.7	160.9	162.6	153.8	116.9	74.5	70.7	129.9
15:00	59.0	75.6	77.7	86.4	81.6	85.8	93.7	94.2	84.4	69.2	55.6	51.9	76.3
16:00	38.8	52.9	55.3	60.1	58.6	62.1	68.3	65.2	53.9	42.3	31.9	28.9	51.5
17:00	11.9	21.2	24.1	25.8	26.4	30.9	34.1	29.3	17.8	7.7	4.1	5.5	19.9
18:00	0.0	0.2	0.3	0.3	0.6	1.5	2.0	0.9	0.0	0.0	0.0	0.0	0.5
19:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Tab. 6.22: Diffuse Solar Radiation Vertical Sud in W/m<sup>2</sup>**

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
<b>Maximun Hourly</b> (Zeitpunkt: d / h)	316.0 (5 / 11:00)	308.9 (3 / 12:00)	281.0 (3 / 12:00)	236.7 (2 / 12:00)	215.1 (1 / 12:00)	199.6 (1 / 12:00)	204.8 (29 / 12:00)	223.3 (31 / 12:00)	259.2 (30 / 11:00)	297.9 (31 / 11:00)	309.4 (28 / 11:00)	<b>318.8</b> (21 / 12:00)	<b>318.8</b> (21 / 12:00)
<b>Average Maximun</b> (Zeitpunkt)	257.4 (12:00)	240.8 (12:00)	222.0 (12:00)	201.4 (12:00)	181.5 (12:00)	180.9 (11:00)	191.7 (12:00)	208.7 (12:00)	229.3 (12:00)	241.1 (12:00)	253.0 (11:00)	232.0 (12:00)	<b>219.7</b> (12:00)
<b>Average Hourly</b>	61.1	63.9	62.5	61.1	56.4	56.3	59.5	63.2	65.0	65.2	62.2	57.1	<b>61.1</b>

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
0:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00	1.7	2.2	8.2	18.2	23.7	23.1	18.8	16.3	17.3	14.3	9.8	4.3	13.2
7:00	32.2	35.9	45.7	55.6	55.6	55.8	54.4	56.6	54.6	50.6	50.2	42.2	49.1
8:00	72.0	78.1	80.2	80.1	78.8	78.7	82.0	87.2	82.9	80.3	89.1	82.1	81.0
9:00	102.6	100.7	153.7	162.1	153.9	149.9	153.9	165.2	169.1	189.7	136.4	107.9	145.4
10:00	228.9	212.9	202.6	187.9	171.2	171.0	178.1	191.7	208.5	223.5	237.2	218.4	202.7
11:00	254.0	230.0	217.4	199.2	178.9	180.9	190.4	206.7	228.1	236.8	253.0	231.2	217.2
12:00	257.4	240.8	222.0	201.4	181.5	179.8	191.7	208.7	229.3	241.1	250.1	232.0	219.7
13:00	240.1	231.5	210.1	196.3	177.1	173.7	187.9	202.0	213.8	228.0	232.5	221.9	209.6
14:00	126.9	210.7	185.8	174.0	159.1	155.8	168.2	180.1	184.1	159.3	109.8	109.0	160.2
15:00	86.2	100.5	87.5	94.7	84.7	87.4	96.1	100.8	92.9	85.6	79.0	77.8	89.4
16:00	51.9	66.7	59.9	66.8	60.7	63.0	69.9	70.1	59.4	47.7	40.8	39.1	58.0
17:00	12.0	22.3	25.5	28.5	27.0	31.0	34.5	31.1	19.9	7.0	3.7	5.2	20.6
18:00	0.0	0.1	0.3	0.4	0.6	1.5	2.0	0.9	0.0	0.0	0.0	0.0	0.5
19:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Tab. 6.23: Diffuse Solar Radiation Vertical West in W/m<sup>2</sup>**

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
<b>Maximun Hourly</b> (Zeitpunkt: d / h)	236.0 (6 / 13:00)	295.0 (28 / 14:00)	<b>299.5</b> (8 / 14:00)	295.9 (1 / 14:00)	288.4 (1 / 14:00)	283.8 (14 / 14:00)	285.9 (28 / 14:00)	295.2 (30 / 14:00)	296.4 (13 / 14:00)	293.0 (2 / 14:00)	262.4 (3 / 13:00)	246.3 (3 / 13:00)	<b>299.5</b> (8 / 14:00)
<b>Average Maximun</b> (Zeitpunkt)	191.8 (13:00)	235.8 (14:00)	255.9 (14:00)	273.1 (14:00)	259.3 (14:00)	258.1 (14:00)	274.5 (14:00)	284.2 (14:00)	278.8 (14:00)	243.1 (13:00)	212.5 (13:00)	183.3 (13:00)	<b>231.1</b> (13:00)
<b>Average Hourly</b>	45.4	54.6	63.2	69.3	67.1	68.8	72.3	73.0	70.2	59.6	48.4	42.2	<b>61.2</b>

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
0:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00	2.1	2.8	8.0	16.6	23.2	23.0	18.6	15.4	15.7	15.3	9.7	4.7	12.9
7:00	26.4	32.0	43.0	50.3	53.7	55.2	53.4	52.9	49.8	45.0	38.2	32.2	44.3
8:00	50.1	59.9	72.6	73.6	75.7	77.5	80.1	80.8	76.7	65.3	62.4	55.5	69.2
9:00	69.5	74.3	125.0	144.5	145.0	145.5	147.7	149.7	144.2	134.1	91.4	71.1	120.2
10:00	134.3	136.9	158.0	165.9	160.1	164.7	169.2	172.3	171.6	153.9	141.3	126.5	154.6
11:00	151.7	152.9	171.8	184.0	176.8	184.0	189.6	193.6	195.9	172.9	162.7	142.3	173.2
12:00	164.5	168.8	188.7	204.8	197.4	200.9	211.8	216.8	220.1	195.2	175.5	148.5	191.1
13:00	191.8	202.5	228.6	253.4	240.8	239.5	252.1	261.2	264.5	243.1	212.5	183.3	231.1
14:00	127.6	235.8	255.9	273.1	259.3	258.1	274.5	284.2	278.8	207.2	119.8	110.3	223.7
15:00	96.0	125.6	133.2	149.7	134.9	140.8	154.8	157.5	146.3	119.0	93.9	86.3	128.2
16:00	60.8	89.1	95.1	105.7	101.6	108.7	122.1	117.1	94.2	69.6	50.5	45.2	88.3
17:00	14.3	30.6	36.4	40.0	41.9	50.6	57.8	48.8	27.1	9.9	4.5	6.1	30.7
18:00	0.0	0.1	0.3	0.4	0.7	2.0	2.8	1.2	0.0	0.0	0.0	0.0	0.6
19:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Tab. 6.24: Diffuse Solar Radiation Vertical Nord in W/m<sup>2</sup>**

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
<b>Maximun Hourly</b> (Zeitpunkt: d / h)	171.5 (7 / 12:00)	191.8 (28 / 12:00)	201.0 (19 / 12:00)	221.7 (30 / 12:00)	234.0 (30 / 12:00)	<b>241.3</b> (30 / 12:00)	237.8 (1 / 12:00)	224.9 (1 / 12:00)	211.2 (1 / 12:00)	194.1 (2 / 12:00)	182.7 (1 / 11:00)	171.4 (3 / 11:00)	<b>241.3</b> (30 / 12:00)
<b>Average Maximun</b> (Zeitpunkt)	148.0 (12:00)	152.7 (12:00)	170.6 (12:00)	194.7 (12:00)	197.9 (12:00)	217.9 (11:00)	224.5 (12:00)	211.7 (12:00)	193.9 (12:00)	162.7 (12:00)	149.7 (11:00)	134.5 (12:00)	<b>179.7</b> (12:00)
<b>Average Hourly</b>	37.8	43.5	52.1	60.0	62.1	68.8	70.7	65.1	58.5	47.5	39.3	35.1	<b>53.4</b>

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez	Year
0:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
6:00	2.1	3.0	8.8	16.9	27.0	29.4	23.3	16.8	17.2	16.4	9.8	4.7	14.6
7:00	26.5	32.8	47.6	53.8	63.3	71.1	67.5	59.7	55.7	46.4	38.2	32.2	49.6
8:00	50.1	60.5	77.0	79.7	85.2	94.1	95.4	89.6	83.3	66.3	62.4	55.5	74.9
9:00	69.5	74.5	131.4	161.9	172.3	186.4	187.0	172.6	155.2	135.6	91.4	71.1	134.1
10:00	134.2	137.1	163.1	184.7	186.5	207.9	210.7	196.1	182.1	154.2	140.2	126.1	168.6
11:00	144.6	147.9	169.3	193.3	194.4	217.9	223.0	209.8	193.9	160.2	149.7	133.6	178.1
12:00	148.0	152.7	170.6	194.7	197.9	216.5	224.5	211.7	193.9	162.7	149.0	134.5	179.7
13:00	139.2	148.8	166.1	192.4	193.4	210.4	220.0	207.0	185.0	156.9	137.3	127.3	173.7
14:00	83.8	135.5	150.5	173.8	178.0	192.7	201.8	188.1	165.7	118.5	74.5	70.7	144.5
15:00	59.0	76.0	80.7	94.9	91.0	102.8	110.5	103.1	91.7	70.4	55.7	51.9	82.3
16:00	38.8	53.6	59.2	66.5	69.5	80.1	86.6	74.4	61.0	44.0	32.0	28.9	57.9
17:00	11.9	21.9	26.8	26.8	31.1	39.8	43.6	33.2	20.0	8.3	4.1	5.5	22.8
18:00	0.0	0.2	0.4	0.3	0.6	1.7	2.4	0.9	0.0	0.0	0.0	0.0	0.5
19:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0