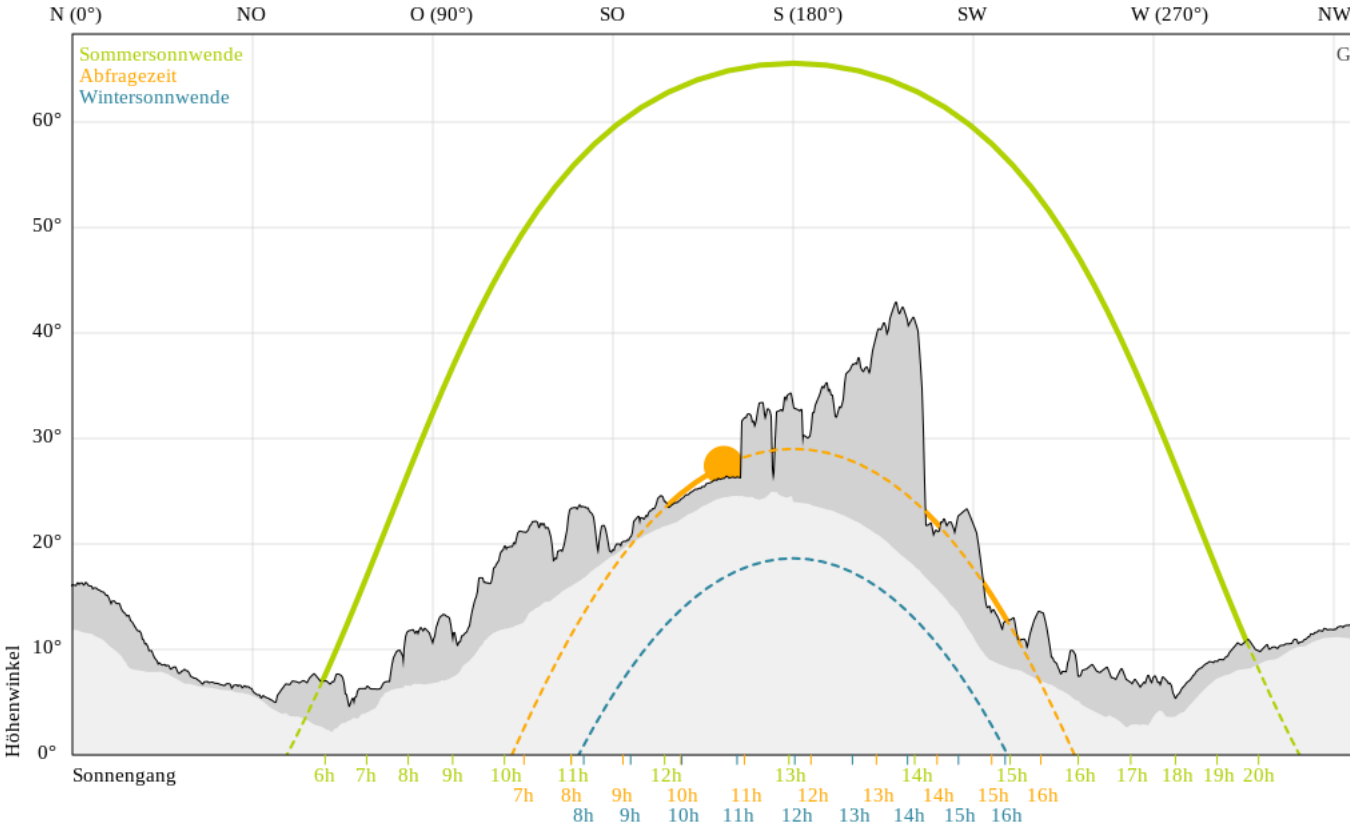
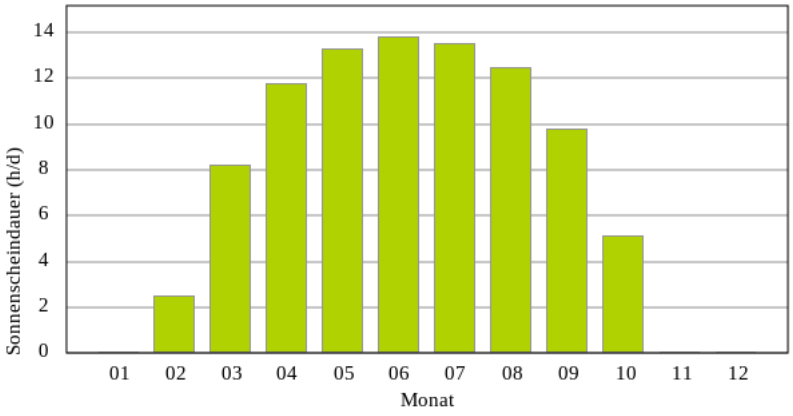
Sonnengang mit Horizontdarstellung

Abfragekoordinaten (EPSG:4326): 14.88, 47.94
Abfragehöhe (m): 413.7 (+2.0)
Abfragezeit: 28.10.2026, 10:41 Uhr (Sonnenaufgang 9:46 Uhr, Sonnenuntergang 15:33 Uhr)
Datengrundlage: Laserscanning Höhenmodell 2025 - geoland.at
Befliegungsjahr im Abfragepunkt: 2021



Sonnenstunden pro Tag im Monatsmittel

Abfragekoordinaten (EPSG:4326): 14.88, 47.94
Abfragehöhe (m): 413.7 (+2.0)
Datengrundlage: Laserscanning Höhenmodell 2025 - geoland.at
Befliegungsjahr im Abfragepunkt: 2021



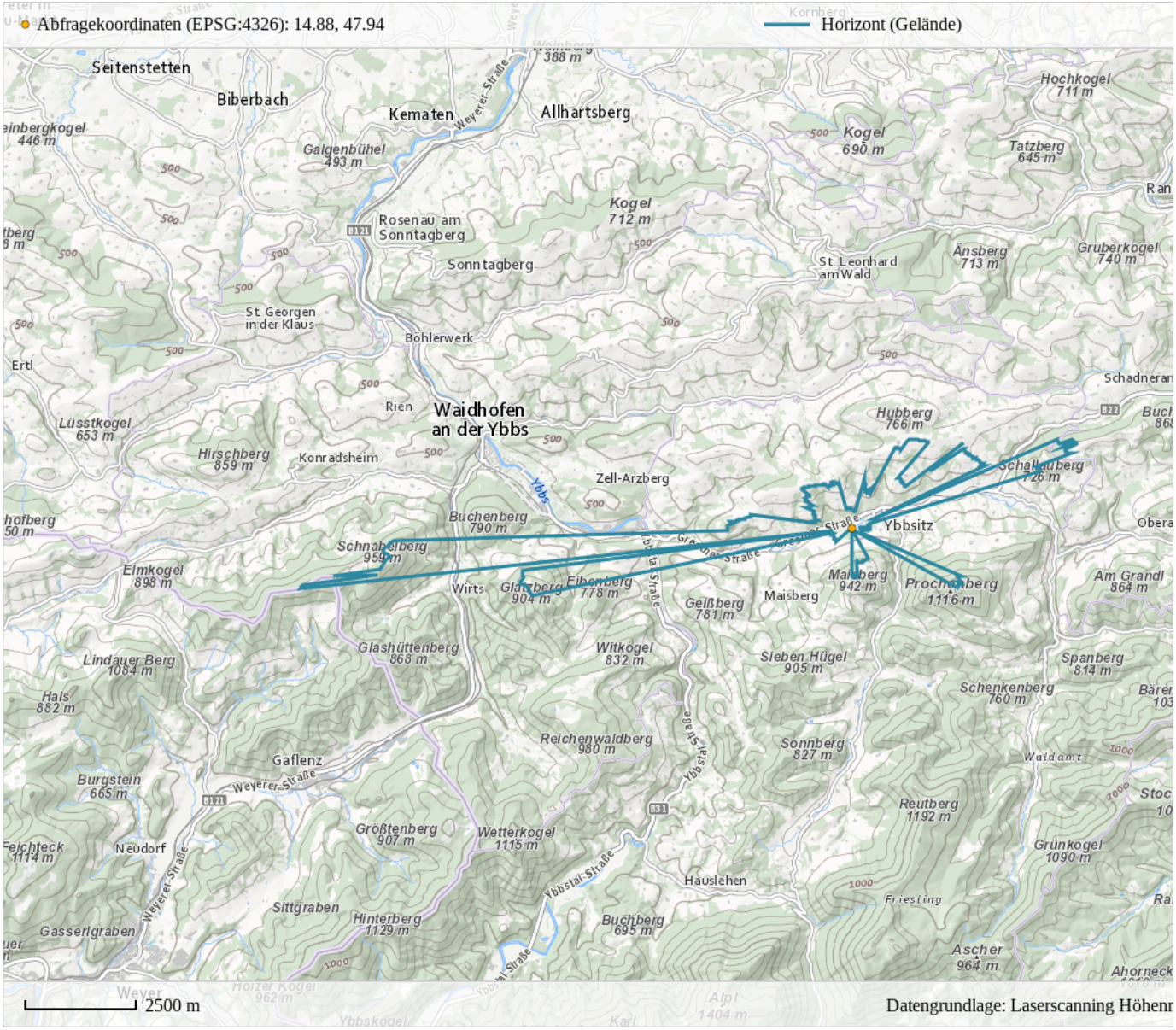


Tabelle im CSV-Format abspeichern Tabelle im JSON-Format abspeichern

	Höhenwinkel (°)		Horizontale Entfernung (m)		Sonnengang			
Azimuth (°)	Gelände	Oberfläche	Gelände	Oberfläche	28.10.2026 (°)	28.10.2026 (MEZ)	28.10.2026 (MESZ)	Sommersonnv (°)
0	12.1	16.4	442.4	389.3				
1	11.9	16	435.2	358.2				
2	11.8	16.2	435.2	390.3				
3	11.7	16.2	434.3	396.3				
4	11.6	16.3	423.6	396.6				
5	11.5	15.9	425.9	402				
6	11.3	15.8	427.4	384.6				
7	11.2	15.6	423	386.9				
8	11	15.4	414.7	404.8				
9	10.7	15	409.5	391.6				
10	10.3	14.5	405.5	391.2				
11	10	14.5	400.5	390.4				
12	9.7	14.3	397.5	404				
13	9.4	13.6	398.8	372.3				
14	8.8	13.2	399.3	384				
15	8.2	12.7	1152.7	371.4				
16	8.1	12.2	1080.3	397.4				

17	8	11.7	1039.6	387.8	
18	8	10.9	1034.3	397.2	
19	7.9	10.5	1029.3	391.9	
20	7.9	9.8	927.2	349.8	
21	7.9	9.2	932.2	357.4	
22	7.9	8.7	885.7	359.2	
23	7.9	8.5	890.6	911.6	
24	7.7	8.4	919.4	925.1	
25	7.5	8.2	914.3	941.8	
26	7.3	8.3	883.9	946.3	
27	7.1	7.7	881.2	2655.8	
28	6.9	8	881.9	795.6	
29	6.8	7.9	2086.6	796.5	
30	6.8	7.4	2087.1	824.1	
31	6.7	7.2	2087.5	2130.8	
32	6.5	7	2110.6	2137.2	
33	6.4	6.9	2331.3	1884.5	
34	6.4	6.9	2403.9	1902.6	
35	6.4	6.8	2423.2	1919.7	
36	6.3	6.8	2448.7	1921.4	
37	6.2	6.7	2471.1	1949.6	
38	6.2	6.6	2494.8	1936.6	
39	6.1	6.7	2532.3	2600.2	
40	6.1	6.6	2547.7	2596.1	
41	6	6.6	2570.6	1474.9	
42	5.9	6.5	2596.2	1537.1	
43	5.9	6.5	1530.9	1522.1	
44	5.8	6.4	1550.2	1515.6	
45	5.7	6.2	1566.8	1511.4	
46	5.6	5.9	1552.7	1490.5	
47	5.4	5.6	1534.2	1490.4	
48	5.2	5.5	1552.2	2640.6	
49	4.9	5.4	1545.9	2518.2	
50	4.6	5.2	1539.4	2636.1	-2.5
51	4.3	5	1527.7	44	-1.8
52	4.1	5.9	1542.7	46.4	-1.1
53	4	6.5	2205.6	46.3	-0.4
54	4	6.7	2208.6	46.1	0.3
55	3.7	6.9	3099.6	46.3	1.1
56	3.7	6.9	3091.3	46.1	1.8
57	3.7	6.8	3095	46.3	2.6
58	3.5	7	3115.4	46	3.4
59	3.4	7	3136.6	45.9	4.1
60	3.2	7.5	3171.3	45.9	5
61	2.9	7.6	3207	45.8	5.8
62	2.8	7.2	3243.7	45.4	6.6
63	2.7	6.9	3247.9	45.8	7.4
64	2.4	6.9	3266.3	45.7	8.3
65	2.3	6.9	3272.3	46.1	9.2
66	2.5	7.6	528.8	159.3	10
67	3	7.6	5048.8	158.9	10.9
68	3.1	7.3	5349.9	158.6	11.8
69	3.3	5.7	5410.3	158.7	12.7
70	3.5	5.3	5115.8	23	13.6
71	3.5	5.4	5124.5	169.7	14.6
72	3.8	6.2	4418.9	176	15.5
73	4	6.2	4437.8	176.3	16.4
74	4.1	6.5	397.5	176.3	17.4
75	4.3	6.2	383.2	176.4	18.3
76	4.7	6.2	403.8	176.8	19.2

77	5.4	6.2	403.1	227				20.2
78	5.9	6.8	400.5	226.1				21.1
79	6	6.9	385.6	413.7				22.1
80	6.2	8.6	376.2	198				23.1
81	6.3	9.7	368.9	195.4				24
82	6.4	9.9	365.8	196.1				25
83	6.6	10.1	413.3	152.9				25.9
84	6.6	11.7	413.1	151.5				26.8
85	6.7	11.8	179.4	152.3				27.8
86	6.8	11.6	177.2	170.1				28.7
87	6.7	12	406.5	172.9				29.7
88	6.7	11.9	409.3	171.7				30.6
89	6.7	11.8	426.7	171.6				31.5
90	6.8	11.1	369.5	157.5				32.4
91	6.9	12.1	425.4	169.4				33.3
92	7	13.1	179.4	169.4				34.2
93	7.1	13.2	179.5	167.5				35.1
94	7.2	13.1	411.1	167.6				35.9
95	7.4	12.3	380.4	164.7				36.8
96	7.6	11.5	373.9	201				37.6
97	8.1	10.7	195.5	231.5				38.5
98	8.6	11.4	201	201				39.3
99	8.9	12	204.5	181.3				40.1
100	9.3	13.6	212.1	105.8				40.9
101	9.8	14.9	220.9	107.1				41.6
102	10.3	16.7	225.7	110.5				42.4
103	10.9	16.7	231.6	110.6				43.1
104	11.2	16.2	236.6	103				43.9
105	11.5	16.8	244.8	121				44.6
106	11.7	18	245.8	122.6				45.3
107	11.9	19	250.3	129.5				46
108	11.9	19.7	254.6	129.1	-1.5	6:34	7:34	46.6
109	12	19.6	256.2	123.5	-0.6	6:39	7:39	47.3
110	12.1	19.7	256.5	118	0.2	6:45	7:45	47.9
111	12.3	20.4	255	131.3	1.1	6:50	7:50	48.6
112	12.4	21.1	251.4	132	1.9	6:55	7:55	49.2
113	12.8	21.1	2695	132.5	2.7	7:01	8:01	49.8
114	13.4	21.3	2600.4	132.9	3.5	7:06	8:06	50.3
115	13.7	22	2669.8	129.6	4.3	7:11	8:11	50.9
116	14	22.1	2695.6	128.2	5.1	7:16	8:16	51.5
117	14.2	21.9	2764.1	124.2	5.9	7:22	8:22	52
118	14.5	21.8	2726.6	122.4	6.7	7:27	8:27	52.5
119	14.5	21.5	2708.3	120.1	7.4	7:32	8:32	53
120	14.8	20.6	75.9	119.7	8.2	7:37	8:37	53.5
121	15.1	18.6	75.5	169.6	8.9	7:42	8:42	54
122	15.4	19.3	78.8	118.2	9.6	7:47	8:47	54.5
123	15.7	20	79.6	131.5	10.3	7:52	8:52	54.9
124	15.9	22.5	78.2	133.1	11	7:57	8:57	55.3
125	16.1	23.3	77.9	133.4	11.7	8:02	9:02	55.8
126	16.4	23.4	49.4	129.5	12.3	8:07	9:07	56.2
127	16.6	23.6	51.2	132	13	8:11	9:11	56.6
128	16.9	23.5	55.6	132.4	13.6	8:16	9:16	57
129	17.2	23.3	53.9	134.2	14.2	8:21	9:21	57.4
130	17.5	22.9	56.6	133.2	14.8	8:26	9:26	57.7
131	17.8	21.6	55.5	133.7	15.4	8:30	9:30	58.1
132	18.1	21	59	144.8	16	8:35	9:35	58.4
133	18.4	21.7	57.1	145.3	16.6	8:39	9:39	58.8
134	18.7	20.7	58.1	145.2	17.1	8:44	9:44	59.1
135	18.9	19.4	57.2	180.5	17.7	8:48	9:48	59.4
136	19.1	19.9	33.2	179	18.2	8:53	9:53	59.7

137	19.4	19.9	33.7	179	18.7	8:57	9:57	60
138	19.7	20.2	33.9	174.2	19.2	9:02	10:02	60.3
139	20	20.3	33.6	727.1	19.7	9:06	10:06	60.5
140	20.2	21.1	34.2	163.9	20.1	9:10	10:10	60.8
141	20.4	22.4	33.7	165.5	20.6	9:15	10:15	61.1
142	20.6	22.5	33.2	164.9	21	9:19	10:19	61.3
143	20.8	22.4	36.5	167.3	21.5	9:23	10:23	61.5
144	21	22.9	36	167.3	21.9	9:27	10:27	61.8
145	21.2	23.3	38.1	166.3	22.3	9:31	10:31	62
146	21.4	23.8	38.7	164.6	22.7	9:36	10:36	62.2
147	21.5	24.5	40.7	165.1	23.1	9:40	10:40	62.4
148	21.7	24.4	40.3	164.5	23.4	9:44	10:44	62.6
149	21.8	23.7	41	165.1	23.8	9:48	10:48	62.8
150	21.9	23.7	39.3	784.8	24.1	9:52	10:52	63
151	22.1	23.8	768.6	726.5	24.4	9:56	10:56	63.1
152	22.3	24.2	770.2	726.9	24.8	10:00	11:00	63.3
153	22.6	24.5	776.5	777.5	25.1	10:04	11:04	63.5
154	22.8	24.6	776.3	775.9	25.3	10:08	11:08	63.6
155	23	24.9	775.5	770.1	25.6	10:11	11:11	63.8
156	23.2	25.1	769.1	754.2	25.9	10:15	11:15	63.9
157	23.5	25.2	768.3	756.4	26.2	10:19	11:19	64
158	23.7	25.4	764.6	755.1	26.4	10:23	11:23	64.2
159	23.8	25.7	780.8	776	26.6	10:27	11:27	64.3
160	24.1	25.9	786.1	740	26.9	10:31	11:31	64.4
161	24.2	26	787.6	756.1	27.1	10:34	11:34	64.5
162	24.3	26.1	785.8	773.6	27.3	10:38	11:38	64.6
163	24.4	26.2	786.1	767.7	27.4	10:42	11:42	64.7
164	24.5	26.3	788.2	753.9	27.6	10:45	11:45	64.8
165	24.5	26.2	787.4	774.5	27.8	10:49	11:49	64.9
166	24.5	26.3	785.1	775.4	27.9	10:53	11:53	65
167	24.5	26.2	792	770.4	28.1	10:57	11:57	65
168	24.5	31.9	789.6	104.4	28.2	11:00	12:00	65.1
169	24.5	32.2	792.4	104	28.3	11:04	12:04	65.2
170	24.4	32.1	761.4	105	28.5	11:07	12:07	65.2
171	24.3	31.8	764.2	100.3	28.6	11:11	12:11	65.3
172	24.3	33.3	1057.3	103	28.6	11:15	12:15	65.3
173	24.4	33.3	1084.8	102.9	28.7	11:18	12:18	65.4
174	24.7	32.7	1099.5	104.6	28.8	11:22	12:22	65.4
175	24.9	32.1	1091.4	105.5	28.8	11:26	12:26	65.4
176	24.9	32.4	1054.2	88.1	28.9	11:29	12:29	65.5
177	24.7	32.6	1114.7	89	28.9	11:33	12:33	65.5
178	24.5	33.8	1103.1	80.9	29	11:36	12:36	65.5
179	24.4	34.1	1076.3	83.8	29	11:40	12:40	65.5
180	24.6	34.2	1067.9	83.8	29	11:44	12:44	65.5
181	24	32.8	30.8	92.8	29	11:47	12:47	65.5
182	23.9	32.7	30.8	95.8	29	11:51	12:51	65.5
183	23.9	30.2	30.8	79.8	28.9	11:54	12:54	65.5
184	23.8	30	30.8	79.9	28.9	11:58	12:58	65.5
185	23.7	32.3	30.8	78	28.8	12:02	13:02	65.4
186	23.6	33.4	30.9	66	28.8	12:05	13:05	65.4
187	23.5	34.4	29.9	69.1	28.7	12:09	13:09	65.4
188	23.4	34.9	30	67.3	28.6	12:12	13:12	65.3
189	23.3	35.2	30	67.3	28.6	12:16	13:16	65.3
190	23.2	34	30.1	70.5	28.5	12:20	13:20	65.2
191	23	32.1	30.2	70.7	28.3	12:23	13:23	65.2
192	22.9	32.9	30.3	61.9	28.2	12:27	13:27	65.1
193	22.7	35.1	32.4	60.1	28.1	12:31	13:31	65
194	22.6	36.3	32.5	58.3	27.9	12:34	13:34	65
195	22.4	36.9	32.7	56.4	27.8	12:38	13:38	64.9
196	22.2	37	31.8	57.6	27.6	12:42	13:42	64.8

197	22	37.5	31.9	54.7	27.4	12:45	13:45	64.7
198	21.8	36.5	32.1	56.3	27.3	12:49	13:49	64.6
199	21.5	36.7	33.3	55.3	27.1	12:53	13:53	64.5
200	21.3	38.3	33.5	50.6	26.9	12:57	13:57	64.4
201	21	39.8	32.6	50.8	26.6	13:00	14:00	64.3
202	20.8	40.3	32.8	50.9	26.4	13:04	14:04	64.2
203	20.5	40.8	33	50.3	26.2	13:08	14:08	64
204	20.2	40.3	33.2	47.5	25.9	13:12	14:12	63.9
205	19.9	42.1	33.5	46.8	25.6	13:16	14:16	63.8
206	19.5	42.8	34.9	47	25.3	13:20	14:20	63.6
207	19.2	42	35.2	44.8	25.1	13:23	14:23	63.5
208	18.8	42.3	35.5	44.3	24.8	13:27	14:27	63.3
209	18.5	41.2	34.6	44.8	24.4	13:31	14:31	63.1
210	18.2	41.4	36.1	48.8	24.1	13:35	14:35	63
211	17.9	41	35.9	49	23.8	13:39	14:39	62.8
212	17.6	38.6	34.5	49.5	23.4	13:43	14:43	62.6
213	17.1	30.9	33.7	50	23.1	13:47	14:47	62.4
214	16.7	21.8	34	76.1	22.7	13:51	14:51	62.2
215	16.3	21.9	35.6	75.3	22.3	13:56	14:56	62
216	15.9	21.2	36	75	21.9	14:00	15:00	61.8
217	15.5	22	35.6	72.6	21.5	14:04	15:04	61.5
218	15.2	22.3	35.7	69.6	21	14:08	15:08	61.3
219	14.7	22	36.2	69.4	20.6	14:12	15:12	61.1
220	14.2	22	34.8	68.6	20.1	14:17	15:17	60.8
221	13.8	22	34.6	19.3	19.7	14:21	15:21	60.5
222	13.4	22.8	35.2	19.1	19.2	14:25	15:25	60.3
223	12.8	23.1	35.7	18.8	18.7	14:30	15:30	60
224	12.1	23.2	34.9	18.6	18.2	14:34	15:34	59.7
225	11.6	22.3	35.4	18.3	17.7	14:39	15:39	59.4
226	11	21.3	36.1	18	17.1	14:43	15:43	59.1
227	10.3	19.3	36.7	17.7	16.6	14:48	15:48	58.8
228	9.8	16.3	118.4	17.4	16	14:52	15:52	58.4
229	9.3	14	122	53.3	15.4	14:57	15:57	58.1
230	9	13.7	451.4	80.3	14.8	15:01	16:01	57.7
231	8.8	13.4	451.2	79.7	14.2	15:06	16:06	57.4
232	8.6	12.7	451.1	79.8	13.6	15:11	16:11	57
233	8.5	12.6	442	41.9	13	15:16	16:16	56.6
234	8.3	12.7	438.6	42	12.3	15:20	16:20	56.2
235	8.2	12.9	440.3	40.3	11.7	15:25	16:25	55.8
236	8.1	12.2	445.8	40.7	11	15:30	16:30	55.3
237	8	10.9	441.4	381.4	10.3	15:35	16:35	54.9
238	7.9	10.9	445.8	380.1	9.6	15:40	16:40	54.5
239	7.7	10.9	448	50.7	8.9	15:45	16:45	54
240	7.5	12.3	447.7	50.8	8.2	15:50	16:50	53.5
241	7.3	13.3	453.3	50.3	7.4	15:55	16:55	53
242	7.1	13.5	450.1	50.1	6.7	16:00	17:00	52.5
243	7	13.4	435.4	49.6	5.9	16:06	17:06	52
244	6.8	11.7	439.2	50.4	5.1	16:11	17:11	51.5
245	6.7	9.2	440.9	364	4.3	16:16	17:16	50.9
246	6.5	8.7	448.1	363.6	3.5	16:21	17:21	50.3
247	6.2	8	433.5	390.6	2.7	16:26	17:26	49.8
248	6.1	7.8	433.4	416	1.9	16:32	17:32	49.2
249	5.8	9	435.6	193.8	1.1	16:37	17:37	48.6
250	5.6	9.8	438.9	193.9	0.2	16:42	17:42	47.9
251	5.2	9.4	432.8	194.2	-0.6	16:48	17:48	47.3
252	5.1	7.5	433.2	49.3	-1.5	16:53	17:53	46.6
253	4.7	8	430.6	49				46
254	4.5	8.3	434.4	48.7				45.3
255	4.3	8.5	435.1	48.6				44.6
256	4.1	8.1	436.1	48.4				43.9

257	3.9	7.8	434	49	43.1
258	3.7	8.1	431	48.8	42.4
259	3.8	8.2	7384.3	48.8	41.6
260	3.7	7.3	7404.3	49.5	40.9
261	3.5	7.3	7545.7	49.3	40.1
262	3.3	8.1	7462.6	49.2	39.3
263	2.9	7.8	7470.4	49.1	38.5
264	2.8	7	12410.9	49	37.6
265	2.9	6.8	11697.8	49.8	36.8
266	2.9	7.1	10536.2	49.8	35.9
267	2.9	6.5	10541.9	49.7	35.1
268	2.9	6.8	10539.9	49.7	34.2
269	3	7.5	2795.4	18.6	33.3
270	3.7	7.3	2778.9	167.6	32.4
271	4.1	7.4	2778.6	167.6	31.5
272	4.2	6.8	2733.8	50.6	30.6
273	4.1	7.3	2704.3	51.6	29.7
274	3.6	6.9	2575.8	51.6	28.7
275	3.6	6.5	2413	161.8	27.8
276	3.8	5.6	2303	932.2	26.8
277	4	6.1	2280.8	886.7	25.9
278	4.3	6.6	923.8	905.7	25
279	4.7	7	886.6	846.6	24
280	5.1	7.5	873.7	868.2	23.1
281	5.5	7.9	815.4	852.7	22.1
282	6	8.2	816.1	824.9	21.1
283	6.3	8.5	816	802.4	20.2
284	6.7	8.8	856.1	781.7	19.2
285	7	8.7	857.7	766.4	18.3
286	7.3	8.8	852.3	778.2	17.4
287	7.4	9	848.1	777.3	16.4
288	7.6	9.2	848.3	661.1	15.5
289	7.7	9.6	872.2	33.2	14.6
290	7.9	10.1	926	33.4	13.6
291	8	10.5	913.7	32.6	12.7
292	8.1	10.5	902.6	32.6	11.8
293	8.2	10.7	925	34.1	10.9
294	8.2	10.8	923.1	34.2	10
295	8.4	10.5	1079.3	34.4	9.2
296	8.6	9.9	1070.2	34.6	8.3
297	8.7	9.8	1060.1	35.2	7.4
298	8.9	10.2	1052.5	35.4	6.6
299	9	10.4	1049.7	35.5	5.8
300	9	10.2	1009.7	935.7	5
301	9.2	10.2	1209.6	928	4.1
302	9.4	10.3	1215.2	965.5	3.4
303	9.6	10.4	1218.9	973.1	2.6
304	9.9	10.5	1230.2	965	1.8
305	10.1	10.8	1236	1228.8	1.1
306	10.2	10.9	1220.5	1229.4	0.3
307	10.3	10.6	1197.1	1412	-0.4
308	10.3	10.9	1420.2	1369.2	-1.1
309	10.6	11.1	1409.2	1088.9	-1.8
310	10.7	11.4	1401.5	570.6	-2.5
311	10.9	11.6	1384.3	566.1	
312	11	11.7	1376.1	1288	
313	11.1	11.9	1357	536	
314	11.1	11.8	1343.3	1271.3	
315	11.1	11.8	1330.8	1264.5	
316	11.2	12	1313.7	1264.9	

317	11.2	12.1	1310.9	1263.6
318	11.1	12.2	1289.2	1250.9
319	11.1	12.2	1272.2	1245.1
320	11	12.3	1261.2	1228.1
321	11	12.1	1252.7	1236.5
322	10.9	11.8	1238.3	1228.3
323	11	11.3	1201.5	1227.6
324	11	11.7	1196.3	1209.1
325	11	11.7	1187.3	1209.3
326	11	12	1186.1	1169.6
327	11	11.9	1178.9	1171.7
328	11	11.8	1171.1	1076.7
329	11.1	11.8	1124.1	509.5
330	11.3	11.9	1076.3	508.2
331	11.5	12	1079.1	1014.1
332	11.7	13.4	1077.7	360
333	11.7	12.4	1070	989.6
334	11.8	12.9	1071.6	1067.7
335	11.9	13.2	1060	1055.9
336	12	13.1	1114.1	1091.8
337	12.1	12.7	1125.2	1063.7
338	12.2	13.3	1122.2	1062.6
339	12.2	13.3	1063.5	1060.1
340	12.3	13	1064.8	985.7
341	12.3	13.1	1066.6	985.3
342	12.3	12.9	1058.8	984.5
343	12.3	12.5	1056.6	895
344	12.2	13.1	1063	987.4
345	12.1	13.2	916.6	989.7
346	12.2	12.3	459.5	379
347	12.3	12.9	462.6	385.8
348	12.4	13	459.8	389.2
349	12.5	14.1	462	532.1
350	12.5	14.1	461.4	394.4
351	12.6	15.2	461	392.3
352	12.6	15.2	460.8	391
353	12.6	15.5	460.5	388
354	12.6	15.7	459.4	381.2
355	12.6	15.8	460.5	394.4
356	12.5	15.9	460.6	391.8
357	12.5	16.1	460.9	391.4
358	12.4	16.1	447.2	387.8
359	12.2	16.4	446.8	394.5

Alle numerischen Winkelangaben der Tabelle erfolgen in (Alt-)Grad.
Der Azimuthwinkel beträgt für Norden 0°, für Osten 90°, für Süden 180° und für Westen 270°.
Alle weiteren Spalten der Tabelle geben den Höhenwinkel über dem astronomischen Horizont bzw. die entsprechende Uhrzeit am Abfragetag an.

Ein Dienst der Länderkooperation **geoland.at** (**Dokumentation**, **Kontakt**, **Impressum**).

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