

2010 Januar 01 Freitag

UT1	SONNE			MOND					FRÜHLP. Grt						
	Grt	δ		Grt	Unt	δ		Unt		HP					
	°	'	°	'	'	°	'	'	'						
0	179	10.3	23	01.6	S	356	05.1	03.1	23	30.1	N	07.2	61.0	100	32.3
1	194	10.0	23	01.4	S	010	27.2	03.1	23	22.8	N	07.4	61.0	115	34.7
2	209	09.7	23	01.2	S	024	49.3	03.2	23	15.4	N	07.6	61.0	130	37.2
3	224	09.4	23	01.0	S	039	11.5	03.3	23	07.8	N	07.8	61.1	145	39.7
4	239	09.1	23	00.8	S	053	33.8	03.3	23	00.0	N	07.9	61.1	160	42.1
5	254	08.8	23	00.6	S	067	56.1	03.4	22	52.1	N	08.1	61.1	175	44.6
6	269	08.5	23	00.4	S	082	18.5	03.5	22	44.0	N	08.3	61.1	190	47.0
7	284	08.2	23	00.2	S	096	41.0	03.6	22	35.7	N	08.4	61.1	205	49.5
8	299	07.9	23	00.0	S	111	03.6	03.6	22	27.3	N	08.6	61.1	220	52.0
9	314	07.6	22	59.8	S	125	26.2	03.7	22	18.7	N	08.8	61.1	235	54.4
10	329	07.3	22	59.6	S	139	48.9	03.8	22	09.9	N	08.9	61.1	250	56.9
11	344	07.0	22	59.4	S	154	11.7	03.9	22	00.9	N	09.1	61.1	265	59.4
12	359	06.7	22	59.2	S	168	34.5	03.9	21	51.9	N	09.3	61.1	281	01.8
13	014	06.4	22	59.0	S	182	57.5	04.0	21	42.6	N	09.4	61.1	296	04.3
14	029	06.2	22	58.8	S	197	20.5	04.1	21	33.2	N	09.6	61.1	311	06.8
15	044	05.9	22	58.6	S	211	43.6	04.2	21	23.6	N	09.7	61.1	326	09.2
16	059	05.6	22	58.3	S	226	06.7	04.3	21	13.9	N	09.9	61.1	341	11.7
17	074	05.3	22	58.1	S	240	30.0	04.4	21	04.0	N	10.0	61.1	356	14.1
18	089	05.0	22	57.9	S	254	53.4	04.4	20	54.0	N	10.2	61.1	011	16.6
19	104	04.7	22	57.7	S	269	16.8	04.5	20	43.8	N	10.3	61.1	026	19.1
20	119	04.4	22	57.5	S	283	40.3	04.6	20	33.5	N	10.5	61.1	041	21.5
21	134	04.1	22	57.3	S	298	03.9	04.7	20	23.0	N	10.6	61.1	056	24.0
22	149	03.8	22	57.1	S	312	27.7	04.8	20	12.4	N	10.7	61.1	071	26.5
23	164	03.5	22	56.8	S	326	51.5	04.9	20	01.7	N	10.9	61.1	086	28.9
	T=12:04		Unt=0.2'												

UT1	VENUS			MARS			JUPITER			SATURN										
	Grt	δ		Grt	δ		Grt	δ		Grt	δ									
	°	'	°	'	°	'	°	'	°	'	°	'								
0	181	57.9	23	38.5	S	318	03.7	18	45.1	N	131	37.0	13	36.6	S	275	29.6	00	18.6	N
1	196	56.9	23	38.4	S	333	06.5	18	45.3	N	146	39.0	13	36.4	S	290	32.0	00	18.5	N
2	211	55.9	23	38.3	S	348	09.3	18	45.6	N	161	40.9	13	36.2	S	305	34.4	00	18.5	N
3	226	55.0	23	38.2	S	003	12.2	18	45.8	N	176	42.9	13	36.0	S	320	36.8	00	18.5	N
4	241	54.0	23	38.1	S	018	15.0	18	46.0	N	191	44.9	13	35.9	S	335	39.2	00	18.5	N
5	256	53.0	23	38.0	S	033	17.8	18	46.2	N	206	46.9	13	35.7	S	350	41.6	00	18.5	N
6	271	52.1	23	37.9	S	048	20.6	18	46.4	N	221	48.8	13	35.5	S	005	44.0	00	18.5	N
7	286	51.1	23	37.8	S	063	23.5	18	46.7	N	236	50.8	13	35.3	S	020	46.4	00	18.5	N
8	301	50.1	23	37.7	S	078	26.3	18	46.9	N	251	52.8	13	35.2	S	035	48.8	00	18.5	N
9	316	49.2	23	37.6	S	093	29.1	18	47.1	N	266	54.8	13	35.0	S	050	51.2	00	18.4	N
10	331	48.2	23	37.5	S	108	31.9	18	47.3	N	281	56.7	13	34.8	S	065	53.7	00	18.4	N
11	346	47.2	23	37.4	S	123	34.8	18	47.6	N	296	58.7	13	34.6	S	080	56.1	00	18.4	N
12	001	46.2	23	37.3	S	138	37.6	18	47.8	N	312	00.7	13	34.5	S	095	58.5	00	18.4	N
13	016	45.3	23	37.2	S	153	40.4	18	48.0	N	327	02.7	13	34.3	S	111	00.9	00	18.4	N
14	031	44.3	23	37.1	S	168	43.3	18	48.2	N	342	04.6	13	34.1	S	126	03.3	00	18.4	N
15	046	43.3	23	37.0	S	183	46.1	18	48.5	N	357	06.6	13	33.9	S	141	05.7	00	18.4	N
16	061	42.4	23	36.9	S	198	48.9	18	48.7	N	012	08.6	13	33.8	S	156	08.1	00	18.4	N
17	076	41.4	23	36.8	S	213	51.8	18	48.9	N	027	10.5	13	33.6	S	171	10.5	00	18.4	N
18	091	40.4	23	36.7	S	228	54.6	18	49.1	N	042	12.5	13	33.4	S	186	12.9	00	18.4	N
19	106	39.5	23	36.5	S	243	57.5	18	49.4	N	057	14.5	13	33.2	S	201	15.3	00	18.3	N
20	121	38.5	23	36.4	S	259	00.3	18	49.6	N	072	16.5	13	33.1	S	216	17.8	00	18.3	N
21	136	37.5	23	36.3	S	274	03.2	18	49.8	N	087	18.4	13	32.9	S	231	20.2	00	18.3	N
22	151	36.6	23	36.2	S	289	06.0	18	50.0	N	102	20.4	13	32.7	S	246	22.6	00	18.3	N
23	166	35.6	23	36.1	S	304	08.9	18	50.3	N	117	22.4	13	32.5	S	261	25.0	00	18.3	N
Unt	-1.0'		0.1'		3.0'			0.2'			2.1'		0.2'		2.5'			0.0'		
				HP=0.1'			HP=0.2'			HP=0.0'			HP=0.0'							

20 min

Schalttafel

21 min

20 min	Zuwachs Grt					21 min	Zuwachs Grt										
	Sonne Planet	Frühlp.	Mond	Unt	Vb		Sonne Planet	Frühlp.	Mond	Unt	Vb						
s	o	'	o	'	o	'	s	o	'	o	'	o	'	o	'		
0	5	00.0	5	00.8	4	46.3	0.0	0.0	0	5	15.0	5	15.9	5	00.6	0.0	0.0
1	5	00.2	5	01.1	4	46.6	0.3	0.1	1	5	15.3	5	16.1	5	00.9	0.3	0.1
2	5	00.5	5	01.3	4	46.8	0.6	0.2	2	5	15.5	5	16.4	5	01.1	0.6	0.2
3	5	00.8	5	01.6	4	47.0	0.9	0.3	3	5	15.8	5	16.6	5	01.4	0.9	0.3
4	5	01.0	5	01.8	4	47.3	1.2	0.4	4	5	16.0	5	16.9	5	01.6	1.2	0.4
5	5	01.2	5	02.1	4	47.5	1.5	0.5	5	5	16.3	5	17.1	5	01.8	1.5	0.5
6	5	01.5	5	02.3	4	47.8	1.8	0.6	6	5	16.5	5	17.4	5	02.1	1.8	0.6
7	5	01.8	5	02.6	4	48.0	2.1	0.7	7	5	16.8	5	17.6	5	02.3	2.1	0.7
8	5	02.0	5	02.8	4	48.2	2.4	0.8	8	5	17.0	5	17.9	5	02.6	2.4	0.8
9	5	02.2	5	03.1	4	48.5	2.7	0.9	9	5	17.3	5	18.1	5	02.8	2.7	1.0
10	5	02.5	5	03.3	4	48.7	3.0	1.0	10	5	17.5	5	18.4	5	03.0	3.0	1.1
11	5	02.7	5	03.6	4	49.0	3.3	1.1	11	5	17.8	5	18.6	5	03.3	3.3	1.2
12	5	03.0	5	03.8	4	49.2	3.6	1.2	12	5	18.0	5	18.9	5	03.5	3.6	1.3
13	5	03.2	5	04.1	4	49.4	3.9	1.3	13	5	18.3	5	19.1	5	03.8	3.9	1.4
14	5	03.5	5	04.3	4	49.7	4.2	1.4	14	5	18.5	5	19.4	5	04.0	4.2	1.5
15	5	03.7	5	04.6	4	49.9	4.5	1.5	15	5	18.7	5	19.6	5	04.2	4.5	1.6
16	5	04.0	5	04.8	4	50.2	4.8	1.6	16	5	19.0	5	19.9	5	04.5	4.8	1.7
17	5	04.2	5	05.1	4	50.4	5.1	1.7	17	5	19.3	5	20.1	5	04.7	5.1	1.8
18	5	04.5	5	05.3	4	50.6	5.4	1.8	18	5	19.5	5	20.4	5	04.9	5.4	1.9
19	5	04.8	5	05.6	4	50.9	5.7	1.9	19	5	19.8	5	20.6	5	05.2	5.7	2.0
20	5	05.0	5	05.8	4	51.1	6.0	2.0	20	5	20.0	5	20.9	5	05.4	6.0	2.1
21	5	05.3	5	06.1	4	51.3	6.3	2.1	21	5	20.3	5	21.1	5	05.7	6.3	2.2
22	5	05.5	5	06.3	4	51.6	6.6	2.2	22	5	20.5	5	21.4	5	05.9	6.6	2.3
23	5	05.7	5	06.6	4	51.8	6.9	2.3	23	5	20.8	5	21.6	5	06.1	6.9	2.4
24	5	06.0	5	06.8	4	52.1	7.2	2.4	24	5	21.0	5	21.9	5	06.4	7.2	2.5
25	5	06.2	5	07.1	4	52.3	7.5	2.5	25	5	21.3	5	22.1	5	06.6	7.5	2.7
26	5	06.5	5	07.4	4	52.5	7.8	2.6	26	5	21.5	5	22.4	5	06.9	7.8	2.8
27	5	06.7	5	07.6	4	52.8	8.1	2.7	27	5	21.8	5	22.6	5	07.1	8.1	2.9
28	5	07.0	5	07.9	4	53.0	8.4	2.8	28	5	22.0	5	22.9	5	07.3	8.4	3.0
29	5	07.2	5	08.1	4	53.3	8.7	2.9	29	5	22.3	5	23.1	5	07.6	8.7	3.1
30	5	07.5	5	08.4	4	53.5	9.0	3.0	30	5	22.5	5	23.4	5	07.8	9.0	3.2
31	5	07.7	5	08.6	4	53.7	9.3	3.1	31	5	22.8	5	23.6	5	08.0	9.3	3.3
32	5	08.0	5	08.9	4	54.0	9.6	3.2	32	5	23.0	5	23.9	5	08.3	9.6	3.4
33	5	08.2	5	09.1	4	54.2	9.9	3.3	33	5	23.3	5	24.1	5	08.5	9.9	3.5
34	5	08.5	5	09.4	4	54.4	10.2	3.4	34	5	23.5	5	24.4	5	08.8	10.2	3.6
35	5	08.7	5	09.6	4	54.7	10.5	3.5	35	5	23.8	5	24.6	5	09.0	10.5	3.7
36	5	09.0	5	09.9	4	54.9	10.8	3.6	36	5	24.0	5	24.9	5	09.2	10.8	3.8
37	5	09.3	5	10.1	4	55.2	11.1	3.7	37	5	24.3	5	25.2	5	09.5	11.1	3.9
38	5	09.5	5	10.4	4	55.4	11.4	3.8	38	5	24.5	5	25.4	5	09.7	11.4	4.0
39	5	09.7	5	10.6	4	55.6	11.7	3.9	39	5	24.8	5	25.7	5	10.0	11.7	4.1
40	5	10.0	5	10.9	4	55.9	12.0	4.0	40	5	25.0	5	25.9	5	10.2	12.0	4.2
41	5	10.3	5	11.1	4	56.1	12.3	4.1	41	5	25.3	5	26.2	5	10.4	12.3	4.4
42	5	10.5	5	11.4	4	56.4	12.6	4.2	42	5	25.5	5	26.4	5	10.7	12.6	4.5
43	5	10.8	5	11.6	4	56.6	12.9	4.3	43	5	25.8	5	26.7	5	10.9	12.9	4.6
44	5	11.0	5	11.9	4	56.8	13.2	4.4	44	5	26.0	5	26.9	5	11.1	13.2	4.7
45	5	11.3	5	12.1	4	57.1	13.5	4.6	45	5	26.3	5	27.2	5	11.4	13.5	4.8
46	5	11.5	5	12.4	4	57.3	13.8	4.7	46	5	26.5	5	27.4	5	11.6	13.8	4.9
47	5	11.8	5	12.6	4	57.5	14.1	4.8	47	5	26.8	5	27.7	5	11.9	14.1	5.0
48	5	12.0	5	12.9	4	57.8	14.4	4.9	48	5	27.0	5	27.9	5	12.1	14.4	5.1
49	5	12.3	5	13.1	4	58.0	14.7	5.0	49	5	27.3	5	28.2	5	12.3	14.7	5.2
50	5	12.5	5	13.4	4	58.3	15.0	5.1	50	5	27.5	5	28.4	5	12.6	15.0	5.3
51	5	12.8	5	13.6	4	58.5	15.3	5.2	51	5	27.8	5	28.7	5	12.8	15.3	5.4
52	5	13.0	5	13.9	4	58.7	15.6	5.3	52	5	28.0	5	28.9	5	13.1	15.6	5.5
53	5	13.3	5	14.1	4	59.0	15.9	5.4	53	5	28.3	5	29.2	5	13.3	15.9	5.6
54	5	13.5	5	14.4	4	59.2	16.2	5.5	54	5	28.5	5	29.4	5	13.5	16.2	5.7
55	5	13.8	5	14.6	4	59.5	16.5	5.6	55	5	28.8	5	29.7	5	13.8	16.5	5.8
56	5	14.0	5	14.9	4	59.7	16.8	5.7	56	5	29.0	5	29.9	5	14.0	16.8	5.9
57	5	14.2	5	15.1	4	59.9	17.1	5.8	57	5	29.2	5	30.2	5	14.3	17.1	6.1
58	5	14.5	5	15.4	5	00.2	17.4	5.9	58	5	29.5	5	30.4	5	14.5	17.4	6.2
59	5	14.8	5	15.6	5	00.4	17.7	6.0	59	5	29.8	5	30.7	5	14.7	17.7	6.3

Der Lösungsweg ist mit Fertigkeit geschrieben. Du brauchst schon ganz
außergewöhnliche schriftliche Fertigkeiten, um den Text lesen zu können...