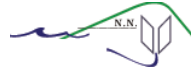


Bensersiel 2017



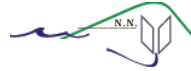
Breite: 53° 40' N, Länge: 7° 35' E

Tag	Januar		Tag	Februar	
	HW - Zeit	NW - Zeit		HW - Zeit	NW - Zeit
1 So	1:21 13:53	7:50 19:59	1 Mi	2:19 14:59	8:56 21:03
2 Mo	1:54 14:30	8:24 20:31	2 Do	3:01 15:41	9:37 21:46
3 Di	2:30 15:09	9:00 21:08	3 Fr	3:45 16:22	10:17 22:25
4 Mi	3:10 15:51	9:41 21:50	4 Sa)	4:29 17:04	10:52 23:03
5 Do)	3:54 16:36	10:25 22:31	5 So	5:19 17:57	11:35
6 Fr	4:43 17:27	11:11 23:20	6 Mo	6:24 19:07	0:00 12:41
7 Sa	5:40 18:28	12:06	7 Di	7:46 20:30	1:25 14:09
8 So	6:49 19:39	0:30 13:17	8 Mi	9:12 21:48	3:01 15:39
9 Mo	8:06 20:53	1:56 14:39	9 Do	10:28 22:52	4:26 16:51
10 Di	9:23 22:03	3:22 15:58	10 Fr	11:31 23:44	5:32 17:46
11 Mi	10:34 23:05	4:37 17:03	11 Sa ○	12:22	6:22 18:33
12 Do ○	11:36 23:56	5:40 17:57	12 So	0:28 13:05	7:05 19:16
13 Fr	12:29	6:31 18:45	13 Mo	1:10 13:46	7:46 19:56
14 Sa	0:41 13:17	7:17 19:29	14 Di	1:50 14:24	8:26 20:31
15 So	1:25 14:04	8:03 20:12	15 Mi	2:27 14:59	9:01 21:04
16 Mo	2:08 14:47	8:47 20:51	16 Do	3:01 15:32	9:29 21:33
17 Di	2:48 15:27	9:22 21:26	17 Fr	3:35 16:04	9:54 21:59
18 Mi	3:26 16:05	9:54 21:58	18 Sa ☾	4:09 16:35	10:18 22:26
19 Do ☾	4:04 16:43	10:25 22:31	19 So	4:46 17:13	10:46 23:06
20 Fr	4:44 17:24	10:59 23:12	20 Mo	5:38 18:10	11:36
21 Sa	5:33 18:13	11:43	21 Di	6:50 19:27	0:13 12:54
22 So	6:36 19:16	0:06 12:47	22 Mi	8:14 20:47	1:42 14:23
23 Mo	7:50 20:28	1:21 14:06	23 Do	9:30 21:56	3:13 15:40
24 Di	9:04 21:34	2:44 15:20	24 Fr	10:30 22:48	4:25 16:41
25 Mi	10:07 22:30	3:58 16:20	25 Sa	11:18 23:29	5:19 17:33
26 Do	10:58 23:15	4:55 17:10	26 So ●	12:00	6:04 18:19
27 Fr	11:41 23:53	5:41 17:55	27 Mo	0:07 12:41	6:45 19:00
28 Sa ●	12:21	6:23 18:37	28 Di	0:46 13:23	7:23 19:39
29 So	0:29 13:01	7:03 19:16			
30 Mo	1:05 13:40	7:39 19:51			
31 Di	1:41 14:19	8:16 20:25			

● Neumond) erstes Viertel ○ Vollmond ☾ letztes Viertel

Mitteeuropäische Zeit

Bensersiel 2017



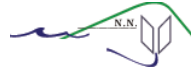
Breite: 53° 40' N, Länge: 7° 35' E

Tag	März				Tag	April			
	HW - Zeit		NW - Zeit			HW - Zeit		NW - Zeit	
1 Mi	1:25	14:04	8:02	20:17	1 Sa	3:37	16:05	10:09	22:27
2 Do	2:06	14:45	8:45	20:57	2 So	4:23	16:45	10:44	23:06
3 Fr	2:50	15:26	9:27	21:39					
4 Sa	3:34	16:05	10:02	22:17	3 Mo ☾	5:09	17:26	11:15	23:45
5 So ☽	4:18	16:43	10:32	22:52	4 Di	6:00	18:18	11:56	
					5 Mi	7:06	19:30	0:37	13:02
6 Mo	5:05	17:33	11:11	23:43	6 Do	8:30	20:58	1:56	14:33
7 Di	6:11	18:46		12:16	7 Fr	9:59	22:19	3:33	16:06
8 Mi	7:36	20:13	1:06	13:48	8 Sa	11:12	23:21	4:58	17:19
9 Do	9:07	21:36	2:48	15:24	9 So		12:04	5:56	18:10
10 Fr	10:24	22:40	4:17	16:39					
11 Sa	11:22	23:29	5:20	17:32	10 Mo	0:07	12:45	6:37	18:52
12 So ☉		12:08	6:06	18:17	11 Di ☉	0:49	13:23	7:16	19:36
					12 Mi	1:30	13:58	7:56	20:15
13 Mo	0:11	12:48	6:45	18:59	13 Do	2:08	14:29	8:32	20:47
14 Di	0:51	13:24	7:23	19:37	14 Fr	2:42	14:57	9:04	21:15
15 Mi	1:29	13:57	8:00	20:09	15 Sa	3:13	15:26	9:30	21:43
16 Do	2:04	14:28	8:34	20:40	16 So	3:44	15:55	9:52	22:08
17 Fr	2:36	14:58	9:01	21:09					
18 Sa	3:09	15:28	9:24	21:32	17 Mo	4:16	16:23	10:13	22:30
19 So	3:40	15:55	9:43	21:53	18 Di	4:47	16:53	10:35	22:57
					19 Mi ☾	5:25	17:36	11:07	23:44
20 Mo ☾	4:12	16:26	10:03	22:23	20 Do	6:20	18:42		12:05
21 Di	4:54	17:14	10:40	23:18	21 Fr	7:37	20:04	0:58	13:31
22 Mi	5:58	18:29	11:50		22 Sa	9:00	21:24	2:29	15:03
23 Do	7:23	19:56	0:44	13:24	23 So	10:14	22:30	3:55	16:20
24 Fr	8:47	21:13	2:22	14:54					
25 Sa	9:56	22:12	3:45	16:05	24 Mo	11:13	23:24	5:04	17:23
26 So	11:49	23:59	5:47	18:02	25 Di		12:03	5:59	18:21
					26 Mi ●	0:13	12:51	6:48	19:13
27 Mo		12:34	6:36	18:54	27 Do	0:59	13:35	7:35	19:59
28 Di ●	0:41	13:18	7:20	19:39	28 Fr	1:46	14:18	8:19	20:45
29 Mi	1:23	14:01	8:01	20:21	29 Sa	2:34	15:01	9:04	21:31
30 Do	2:06	14:43	8:43	21:04	30 So	3:24	15:44	9:48	22:13
31 Fr	2:51	15:24	9:27	21:46					

● Neumond ☽ erstes Viertel ☉ Vollmond ☾ letztes Viertel

Ab 26.03. 3 Uhr Mittteleuropäische Sommerzeit

Bensersiel 2017



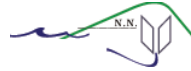
Breite: 53° 40' N, Länge: 7° 35' E

Tag	Mai				Tag	Juni			
	HW - Zeit		NW - Zeit			HW - Zeit		NW - Zeit	
1 Mo	4:13	16:27	10:27	22:54	1 Do)	5:48	17:52	11:39	
2 Di	5:03	17:13	11:03	23:39	2 Fr	6:45	18:50	0:21	12:34
3 Mi)	5:56	18:07	11:48		3 Sa	7:49	19:58	1:18	13:40
4 Do	7:00	19:14	0:33	12:52	4 So	8:58	21:10	2:24	14:50
5 Fr	8:17	20:34	1:43	14:12					
6 Sa	9:38	21:52	3:06	15:36	5 Mo	10:02	22:15	3:33	15:57
7 So	10:45	22:53	4:23	16:45	6 Di	10:55	23:09	4:34	16:56
					7 Mi	11:39	23:57	5:23	17:47
8 Mo	11:35	23:41	5:19	17:37	8 Do		12:20	6:09	18:34
9 Di		12:14	6:01	18:21	9 Fr O	0:41	12:59	6:53	19:18
10 Mi O	0:24	12:52	6:43	19:07	10 Sa	1:21	13:34	7:31	19:56
11 Do	1:07	13:29	7:26	19:49	11 So	1:56	14:04	8:03	20:28
12 Fr	1:46	14:01	8:02	20:22					
13 Sa	2:19	14:29	8:32	20:50	12 Mo	2:30	14:35	8:33	20:58
14 So	2:50	14:57	8:59	21:18	13 Di	3:03	15:06	9:03	21:29
					14 Mi	3:37	15:39	9:33	22:02
15 Mo	3:22	15:27	9:24	21:46	15 Do	4:14	16:16	10:09	22:40
16 Di	3:55	15:58	9:50	22:14	16 Fr	4:55	16:57	10:48	23:22
17 Mi	4:30	16:32	10:19	22:46	17 Sa ☾	5:39	17:46	11:29	
18 Do	5:07	17:12	10:54	23:28	18 So	6:32	18:44	0:10	12:19
19 Fr ☾	5:56	18:08	11:41						
20 Sa	7:00	19:19	0:28	12:48	19 Mo	7:34	19:52	1:06	13:26
21 So	8:15	20:35	1:42	14:11	20 Di	8:43	21:02	2:13	14:44
					21 Mi	9:51	22:12	3:27	16:01
22 Mo	9:28	21:45	3:02	15:31	22 Do	10:56	23:18	4:40	17:13
23 Di	10:32	22:47	4:15	16:41	23 Fr	11:56		5:46	18:18
24 Mi	11:29	23:44	5:18	17:45	24 Sa ●	0:19	12:48	6:44	19:15
25 Do ●		12:22	6:16	18:44	25 So	1:16	13:36	7:37	20:07
26 Fr	0:37	13:10	7:08	19:35					
27 Sa	1:28	13:54	7:56	20:24	26 Mo	2:10	14:23	8:27	20:59
28 So	2:20	14:40	8:43	21:14	27 Di	3:04	15:10	9:15	21:49
					28 Mi	3:55	15:57	10:00	22:32
29 Mo	3:13	15:26	9:30	22:00	29 Do	4:43	16:43	10:41	23:14
30 Di	4:06	16:13	10:13	22:44	30 Fr	5:29	17:29	11:21	23:57
31 Mi	4:56	17:00	10:54	23:30					

● Neumond) erstes Viertel O Vollmond ☾ letztes Viertel

Mitteleuropäische Sommerzeit

Bensersiel 2017



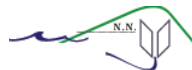
Breite: 53° 40' N, Länge: 7° 35' E

Tag	Juli		Tag	August	
	HW - Zeit	NW - Zeit		HW - Zeit	NW - Zeit
1 Sa)	6:16 18:18	12:06	1 Di	7:03 19:21	0:37 12:56
2 So	7:07 19:13	0:41 12:56	2 Mi	8:00 20:31	1:30 14:00
3 Mo	8:04 20:17	1:32 13:54	3 Do	9:09 21:47	2:43 15:19
4 Di	9:05 21:27	2:34 15:01	4 Fr	10:18 22:55	3:58 16:35
5 Mi	10:06 22:32	3:43 16:10	5 Sa	11:16 23:48	5:00 17:35
6 Do	11:01 23:28	4:44 17:12	6 So	12:03	5:50 18:23
7 Fr	11:48	5:34 18:03	7 Mo ○	0:31 12:42	6:36 19:07
8 Sa	0:15 12:30	6:20 18:49	8 Di	1:10 13:18	7:19 19:49
9 So ○	0:57 13:08	7:02 19:31	9 Mi	1:48 13:54	7:59 20:26
10 Mo	1:34 13:42	7:39 20:08	10 Do	2:25 14:28	8:35 21:00
11 Di	2:10 14:15	8:15 20:42	11 Fr	3:02 15:04	9:08 21:38
12 Mi	2:45 14:48	8:49 21:15	12 Sa	3:41 15:44	9:45 22:20
13 Do	3:20 15:22	9:21 21:51	13 So	4:22 16:28	10:29 23:03
14 Fr	3:59 16:01	9:58 22:33	14 Mo	5:04 17:11	11:12 23:38
15 Sa	4:41 16:44	10:41 23:16	15 Di ☾	5:43 17:55	11:47
16 So ☾	5:24 17:29	11:22 23:56	16 Mi	6:27 18:50	0:12 12:30
17 Mo	6:08 18:17	12:01	17 Do	7:29 20:06	1:04 13:41
18 Di	6:59 19:16	0:38 12:53	18 Fr	8:48 21:32	2:21 15:13
19 Mi	8:02 20:28	1:33 14:07	19 Sa	10:09 22:53	3:51 16:43
20 Do	9:14 21:45	2:48 15:31	20 So	11:20	5:11 17:55
21 Fr	10:28 23:01	4:09 16:51	21 Mo ●	0:01 12:17	6:14 18:53
22 Sa	11:35	5:23 18:02	22 Di	0:57 13:05	7:07 19:41
23 So ●	0:08 12:32	6:26 19:02	23 Mi	1:46 13:50	7:56 20:25
24 Mo	1:07 13:21	7:22 19:54	24 Do	2:30 14:33	8:40 21:09
25 Di	2:00 14:07	8:12 20:44	25 Fr	3:11 15:13	9:19 21:48
26 Mi	2:50 14:53	8:59 21:32	26 Sa	3:48 15:50	9:54 22:20
27 Do	3:37 15:37	9:42 22:14	27 So	4:22 16:26	10:26 22:48
28 Fr	4:19 16:19	10:20 22:49	28 Mo	4:55 17:02	10:56 23:15
29 Sa	4:59 16:59	10:56 23:24	29 Di)	5:28 17:39	11:25 23:44
30 So)	5:38 17:40	11:31 23:59	30 Mi	6:04 18:27	12:03
31 Mo	6:18 18:25	12:09	31 Do	6:56 19:34	0:27 13:02

● Neumond) erstes Viertel ○ Vollmond ☾ letztes Viertel

Mitteleuropäische Sommerzeit

Bensersiel 2017



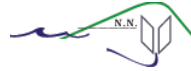
Breite: 53° 40' N, Länge: 7° 35' E

Tag	September				Tag	Oktober			
	HW - Zeit		NW - Zeit			HW - Zeit		NW - Zeit	
1 Fr	8:08	20:56	1:38	14:25	1 So	8:34	21:27	2:08	15:05
2 Sa	9:29	22:15	3:06	15:53	2 Mo	9:53	22:37	3:39	16:27
3 So	10:39	23:17	4:24	17:06	3 Di	10:53	23:29	4:48	17:26
4 Mo	11:32		5:22	17:58	4 Mi	11:39		5:40	18:11
5 Di	0:04	12:13	6:10	18:42	5 Do ○	0:13	12:19	6:28	18:53
6 Mi ○	0:44	12:50	6:56	19:24	6 Fr	0:54	12:59	7:13	19:34
7 Do	1:23	13:28	7:38	20:03	7 Sa	1:35	13:41	7:56	20:15
8 Fr	2:02	14:06	8:17	20:40	8 So	2:15	14:23	8:37	20:57
9 Sa	2:40	14:45	8:54	21:20	9 Mo	2:54	15:07	9:18	21:40
10 So	3:19	15:26	9:32	22:02	10 Di	3:32	15:51	9:57	22:17
11 Mo	3:58	16:09	10:13	22:41	11 Mi	4:12	16:37	10:36	22:51
12 Di	4:38	16:52	10:55	23:14	12 Do ☾	4:53	17:27	11:18	23:31
13 Mi ☾	5:16	17:37	11:32	23:49	13 Fr	5:42	18:29		12:09
14 Do	6:01	18:36		12:16	14 Sa	6:49	19:49	0:31	13:22
15 Fr	7:05	19:55	0:44	13:28	15 So	8:13	21:19	1:57	14:57
16 Sa	8:30	21:27	2:07	15:06	16 Mo	9:39	22:39	3:31	16:29
17 So	9:56	22:49	3:43	16:41	17 Di	10:49	23:37	4:50	17:34
18 Mo	11:07	23:52	5:04	17:50	18 Mi	11:39		5:45	18:17
19 Di		12:00	6:02	18:39	19 Do ●	0:20	12:22	6:28	18:55
20 Mi ●	0:42	12:45	6:49	19:20	20 Fr	0:59	13:05	7:11	19:34
21 Do	1:25	13:28	7:35	20:00	21 Sa	1:36	13:46	7:54	20:12
22 Fr	2:05	14:10	8:18	20:40	22 So	2:10	14:22	8:29	20:46
23 Sa	2:41	14:47	8:55	21:18	23 Mo	2:39	14:54	8:59	21:14
24 So	3:13	15:21	9:27	21:48	24 Di	3:07	15:26	9:27	21:35
25 Mo	3:43	15:54	9:56	22:11	25 Mi	3:35	15:57	9:53	21:56
26 Di	4:13	16:27	10:22	22:32	26 Do	4:04	16:30	10:17	22:20
27 Mi	4:42	17:01	10:47	22:56	27 Fr	4:36	17:08	10:47	22:55
28 Do ☽	5:14	17:42	11:19	23:33	28 Sa ☽	5:17	17:59	11:34	23:50
29 Fr	6:00	18:42		12:12	29 So	5:17	18:11	11:43	
30 Sa	7:09	20:02	0:38	13:31	30 Mo	6:37	19:33	0:11	13:10
					31 Di	7:58	20:48	1:43	14:35

● Neumond ☽ erstes Viertel ○ Vollmond ☾ letztes Viertel

Bis 29.10. 3 Uhr Mittlereuropäische Sommerzeit

Bensersiel 2017



Breite: 53° 40' N, Länge: 7° 35' E

Tag	November				Tag	Dezember			
	HW - Zeit		NW - Zeit			HW - Zeit		NW - Zeit	
1 Mi	9:06	21:48	3:01	15:42	1 Fr	9:17	21:58	3:17	15:52
2 Do	10:00	22:37	4:02	16:34	2 Sa	10:14	22:51	4:20	16:47
3 Fr	10:46	23:23	4:55	17:19	3 So ○	11:06	23:39	5:17	17:37
4 Sa ○	11:31		5:46	18:04	4 Mo	11:55		6:08	18:24
5 So	0:06	12:15	6:32	18:48	5 Di	0:24	12:46	6:56	19:12
6 Mo	0:47	13:02	7:17	19:33	6 Mi	1:08	13:40	7:46	20:01
7 Di	1:29	13:51	8:01	20:18	7 Do	1:54	14:34	8:34	20:48
8 Mi	2:10	14:40	8:43	20:59	8 Fr	2:40	15:25	9:18	21:29
9 Do	2:52	15:29	9:23	21:36	9 Sa	3:26	16:15	10:02	22:11
10 Fr ☾	3:37	16:22	10:09	22:20	10 So ☾	4:16	17:10	10:52	23:03
11 Sa	4:29	17:23	11:03	23:20	11 Mo	5:12	18:11	11:47	
12 So	5:33	18:36		12:11	12 Di	6:18	19:19	0:05	12:50
13 Mo	6:51	19:58	0:38	13:32	13 Mi	7:31	20:28	1:17	14:03
14 Di	8:12	21:12	2:03	14:56	14 Do	8:42	21:29	2:31	15:15
15 Mi	9:21	22:09	3:20	16:02	15 Fr	9:44	22:19	3:39	16:14
16 Do	10:14	22:52	4:18	16:48	16 Sa	10:36	23:02	4:36	17:01
17 Fr	10:59	23:30	5:04	17:28	17 So	11:22	23:41	5:22	17:42
18 Sa ●	11:43		5:46	18:08	18 Mo ●		12:03	6:03	18:18
19 So	0:07	12:24	6:28	18:44	19 Di	0:15	12:39	6:40	18:49
20 Mo	0:40	12:59	7:04	19:14	20 Mi	0:46	13:12	7:12	19:19
21 Di	1:09	13:31	7:33	19:42	21 Do	1:16	13:45	7:43	19:49
22 Mi	1:37	14:03	8:01	20:07	22 Fr	1:46	14:17	8:13	20:17
23 Do	2:06	14:35	8:29	20:31	23 Sa	2:17	14:51	8:43	20:47
24 Fr	2:37	15:08	8:56	20:59	24 So	2:51	15:28	9:16	21:23
25 Sa	3:09	15:44	9:27	21:34	25 Mo	3:29	16:09	9:55	22:02
26 So ☾	3:48	16:29	10:09	22:19	26 Di ☾	4:13	16:56	10:39	22:46
27 Mo	4:39	17:28	11:05	23:21	27 Mi	5:05	17:53	11:31	23:47
28 Di	5:45	18:39		12:16	28 Do	6:09	19:00		12:36
29 Mi	7:01	19:54	0:42	13:34	29 Fr	7:22	20:10	1:05	13:52
30 Do	8:14	21:00	2:05	14:49	30 Sa	8:35	21:19	2:28	15:09
					31 So	9:44	22:22	3:44	16:17

● Neumond ☾ erstes Viertel ○ Vollmond ☾ letztes Viertel

Mitteeuropäische Zeit