Phases of Moon	from -100 through 00	(UT), Astrodienst AG 18-Feb-2025 13:22,	page 1
I mases of whom	mom - roo milougii oo	(O1), Ashouldist AO 10-100-2023 13.22,	page i

Attention, astronomical year style is used: The year -100 in astronomical counting style is the year 101 BCE in historical counting style. -100 Jan 05 i 16:30:40 ○ Full -98 Aug 21 j 22:25:49 ● New -99 Apr 30 j 06:34:06 **①** -97 Dec 16 i 00:02:00 € -97 Dec 22 j 23:56:22 ○ Full -100 Jan 13 j 20:52:19 **●** -99 May 06 j 21:14:01 ● New -98 Aug 29 j 18:49:58 **●** -100 Jan 20 j 19:09:50 ● New -99 May 14 j 00:18:10 **●** -98 Sep 06 j 11:56:08 ○ Full -97 Dec 29 j 15:41:09 **①** -100 Jan 27 j 10:58:07 **●** -99 May 22 j 04:03:38 ○ Full -98 Sep 13 j 07:47:03 **①** -96 Jan 06 j 13:30:30 ● New -100 Feb 04 j 11:08:57 ○ Full -99 May 29 j 12:41:23 **●** -98 Sep 20 j 11:52:24 ● New -96 Jan 14 j 16:46:04 **●** -100 Feb 12 j 11:48:34 **①** -99 Jun 05 j 05:15:22 ● New -98 Sep 28 j 14:30:29 **●** -96 Jan 21 j 10:17:13 ○ Full -100 Feb 19 j 04:32:08 ● New -99 Jun 12 j 16:10:40 **●** -98 Oct 05 j 23:37:09 ○ Full -96 Jan 28 j 05:27:45 **①** -100 Feb 26 j 00:53:37 **●** -99 Jun 20 j 16:31:12 ○ Full -98 Oct 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Phases of Moon	from -100 through 00	(UT), Astrodienst AG 18-Feb-2025 13:22,	page 2
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Attention astronomical year style is used:	• ' '		historical counting style	
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Phases of Moon from -100 through 00 (UT), Astrodienst AG 18-Feb-2025 13:22, page 3
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Attention, astronomical year style is used: The year -90 in astronomical counting style is the year 91 BCE in historical counting style. -90 Sep 07 j 21:32:05 ○ Full -88 Jan 16 i 03:05:53 **●** -87 May 24 j 12:26:22 ● New -86 Oct 01 j 04:39:10 **①** -88 Jan 22 j 17:52:15 ○ Full -90 Sep 14 j 12:59:40 **●** -87 May 31 j 06:51:01 **●** -86 Oct 07 j 23:29:53 ● New -90 Sep 22 j 04:23:43 ● New -88 Jan 29 j 22:09:20 **①** -87 Jun 07 j 11:07:12 ○ Full -86 Oct 14 j 17:32:55 **●** -90 Sep 30 j 09:36:38 **●** -88 Feb 07 j 02:19:46 ● New -87 Jun 15 j 12:55:08 **●** -86 Oct 22 j 20:55:07 ○ Full -90 Oct 07 j 07:27:34 ○ Full -88 Feb 14 j 12:09:24 **●** -87 Jun 22 j 20:48:13 ● New -86 Oct 30 j 18:06:09 **①** -90 Oct 13 j 23:40:52 **①** -88 Feb 21 j 04:31:40 ○ Full -87 Jun 29 j 12:16:21 **●** -86 Nov 06 j 09:41:23 ● New -90 Oct 21 j 23:04:28 ● New -88 Feb 28 j 17:22:33 **①** -87 Jul 07 j 00:08:06 ○ Full -86 Nov 13 j 10:30:25 **●** -90 Oct 30 j 00:50:04 **●** -88 Mar 07 j 17:11:07 ● New -87 Jul 15 j 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Phases of Moon	from -100 through 0	TUD0	Astrodienst AC	3 18-Feb-2025	13.22	page 4
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	is used: The year -84 in astronomical counting		unting style
-84 Feb 07 j 22:31:05 ○ Full	-83 Jun 16 j 10:47:21 ©	-82 Oct 23 j 17:58:10 • New	-80 Mar 01 j 15:37:22 ●
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-84 Feb 15 j 01:41:37 ① -84 Feb 21 j 22:16:09 ● New	-83 Jun 23 j 13:04:16 ○ Full -83 Jun 30 j 03:25:22 ①	-82 Oct 31 j 10:24:54 © -82 Nov 07 j 01:31:01 ○ Full	-80 Mar 15 j 22:30:06 ●
-84 Feb 29 j 16:16:29 ●	-83 Jul 07 j 21:28:56 ● New	-82 Nov 14 j 08:04:35 ①	-80 Mar 23 j 05:54:01 O Full
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-84 Apr 20 j 23:55:44 • New	-83 Aug 28 j 01:29:29 ①	-81 Jan 05 j 04:24:41 O Full	-80 May 13 j 13:22:38 ●
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-84 May 20 j 14:11:24 ● New	-83 Sep 26 j 18:38:28 ●	-81 Feb 03 j 19:45:11 O Full	-80 Jun 11 j 23:58:59 ©
-84 May 28 j 17:41:44 ©	-83 Oct 04 j 22:28:13 • New	-81 Feb 11 j 23:25:14 ①	-80 Jun 20 j 03:13:53 O Full
-84 Jun 04 j 12:51:36 ○ Full	-83 Oct 12 j 07:02:47 ♥	-81 Feb 19 j 04:52:07 • New	-80 Jun 27 j 20:47:59 ①
-84 Jun 11 j 05:32:58 ●	-83 Oct 19 j 00:21:57 O Full	-81 Feb 25 j 20:07:18 ©	-80 Jul 04 j 11:42:50 • New
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-84 Oct 07 j 22:55:57 ①	-82 Feb 14 j 18:39:33 O Full	-81 Jun 23 j 22:24:15 €	-80 Oct 30 j 12:38:37 • New
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-84 Oct 22 j 10:06:43 ●	-82 Mar 01 j 12:47:40 ● New	-81 Jul 09 j 01:20:09 ①	-80 Nov 14 j 19:43:30 ○ Full
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-84 Nov 06 j 20:06:19 ①	-82 Mar 16 j 11:47:14 ○ Full	-81 Jul 23 j 15:58:50 ©	-80 Nov 29 j 07:44:11 ● New
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-84 Nov 20 j 19:18:28 ●	-82 Mar 30 j 20:55:26 ● New	-81 Aug 07 j 06:27:35 ①	-80 Dec 14 j 06:39:20 ○ Full
-84 Nov 28 j 10:00:03 ○ Full	-82 Apr 06 j 23:29:19 ●	-81 Aug 14 j 09:14:26 ● New	-80 Dec 21 j 00:13:12 ①
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-83 Mar 05 j 05:02:29 ●	-82 Jul 12 j 12:32:40 ○ Full	-81 Nov 19 j 11:52:14 ●	-79 Mar 28 j 03:14:39 ● New
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Phases of Moon	from -100 through (0 (UT), Astrodienst AG 18-Feb-2025 13:22	2, page 5
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Attention, astronomical year style is used:	•			historical counting	style.			
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-79 Jul 16 j 19:19:25 ①	-78 Nov 23 j 07:33:34		Apr 01 j 06:42:22		75 Aug			
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-79 Aug 07 j 10:31:34 ○ Full	-78 Dec 15 j 04:53:28	• -76 A	Apr 22 j 18:14:24	• New -	75 Aug	29 j 20:	:10:52	•
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-79 Oct 19 j 18:15:25 ● New	-77 Feb 26 j 12:05:30		ul 05 j 03:24:58		75 Nov			_
-79 Oct 27 j 14:08:53 ©	-77 Mar 06 j 09:25:08		ul 12 j 11:37:56		75 Nov			
-79 Nov 04 j 08:42:37 ○ Full	-77 Mar 14 j 11:30:07	_	ul 20 j 13:31:25	_	75 Nov			
-79 Nov 11 j 04:15:02 ①	-77 Mar 21 j 05:40:25		ul 27 j 18:18:37		75 Dec			
-79 Nov 18 j 09:28:42 ● New	-77 Mar 27 j 23:27:34		Aug 03 j 12:50:43		75 Dec	,		
-79 Nov 26 j 11:53:51 ①	-77 Apr 05 j 02:17:16		Aug 11 j 05:15:00		75 Dec			
-79 Dec 03 j 21:30:55 ○ Full	-77 Apr 12 j 22:10:51	_	Aug 19 j 02:08:12	_	75 Dec			
-79 Dec 10 j 13:17:52	-77 Apr 19 j 13:23:27 -77 Apr 26 j 12:55:01		Aug 25 j 23:38:56 Sep 02 j 00:55:20		74 Jan 74 Jan			_
-79 Dec 18 j 02.48.09 • New -79 Dec 26 j 08:09:31 •	-77 May 04 j 17:22:30		Sep 10 j 00:27:37		74 Jan			
-78 Jan 02 j 08:46:47 ○ Full	-77 May 12 j 05:42:51		Sep 17 j 13:42:25		74 Jan	-		
-78 Jan 09 j 00:21:11 ①	-77 May 18 j 20:49:47		Sep 24 j 06:19:08		74 Feb	-		
-78 Jan 16 j 21:22:36 ● New	-77 May 26 j 04:25:25		Oct 01 j 15:54:01	_	74 Feb			_
-78 Jan 25 j 00:57:02 €	-77 Jun 03 j 06:21:39		Oct 09 j 20:02:57		74 Feb			
-78 Jan 31 j 18:53:36 ○ Full	-77 Jun 10 j 11:08:43		Oct 17 j 00:31:23		74 Feb			
-78 Feb 07 j 13:30:27 Φ	-77 Jun 17 j 05:08:28		Oct 23 j 15:35:46		74 Mar	-		
-78 Feb 15 j 15:56:53 ● New	-77 Jun 24 j 21:26:34		Oct 31 j 09:31:31		74 Mar			_
-78 Feb 23 j 13:25:51 ●	-77 Jul 02 j 17:35:30	● New -76 N	Nov 08 j 14:20:32	•	74 Mar	18 j 05:	:25:37	O Full
-78 Mar 02 j 04:17:13 ○ Full	-77 Jul 09 j 15:43:26	● -76 N	Nov 15 j 11:04:38	• New	74 Mar	25 j 12:	:32:47	•
-78 Mar 09 j 04:29:37 ●	-77 Jul 16 j 15:30:52	○ Full -76 N	Nov 22 j 04:11:02	•	74 Apr	01 j 05:	:54:27	• New
-78 Mar 17 j 09:03:05 ● New	-77 Jul 24 j 15:07:14	• -76 N	Nov 30 j 04:55:46	O Full -	74 Apr	08 j 19:	:51:50	0
-78 Mar 24 j 22:00:21 ●	-77 Aug 01 j 03:42:30	• New -76 □	Dec 08 j 05:48:11	•	74 Apr	16 j 18:	:07:24	O Full
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-78 Apr 07 j 20:54:05 ●	-77 Aug 15 j 04:46:52		Dec 21 j 20:00:23		74 Apr	30 j 15:	:58:28	• New
-78 Apr 15 j 23:33:03 ● New	-77 Aug 23 j 08:34:43		Dec 30 j 00:34:04		74 May			
-78 Apr 23 j 03:51:26 €	-77 Aug 30 j 13:19:36		an 06 j 17:44:31		74 May	-		
-78 Apr 29 j 22:39:42 O Full	-77 Sep 06 j 04:06:07		an 13 j 08:54:29	_	74 May	-		
-78 May 07 j 14:11:34 ①	-77 Sep 13 j 21:00:20		an 20 j 14:18:19		74 May			
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-78 May 22 j 08:26:38 ©	-77 Sep 28 j 22:55:13		Feb 05 j 02:30:14 Feb 11 j 20:21:47		74 Jun			
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-78 Jun 13 j 20:24:24 ● New	-77 Oct 21 j 15:52:04		Feb 27 j 09:30:08		74 Jul			
-78 Jun 20 j 13:13:04 €	-77 Oct 28 j 08:52:50		Mar 06 j 09:07:32		74 Jul			
-78 Jun 27 j 20:42:28 ○ Full	-77 Nov 04 j 05:37:54		Mar 13 j 08:12:40		74 Jul			
-78 Jul 06 j 00:11:48 ①	-77 Nov 12 j 10:23:44		Mar 21 j 05:21:44		74 Jul	-		
-78 Jul 13 j 04:24:20 ● New	-77 Nov 20 j 04:26:00		Mar 28 j 21:04:14		74 Aug			
-78 Jul 19 j 19:31:04 ©	-77 Nov 26 j 19:37:01		Apr 04 j 14:52:33		74 Aug			
-78 Jul 27 j 10:53:17 ○ Full	-77 Dec 04 j 00:20:55		Apr 11 j 20:42:19		74 Aug			
-78 Aug 04 j 15:11:07 ①	-77 Dec 12 j 04:42:15	○ Full -75 A	Apr 19 j 23:16:19	•	74 Aug	27 j 01:	:19:03	• New
-78 Aug 11 j 12:17:06 ● New	-77 Dec 19 j 14:31:47	● -75 A	Apr 27 j 05:55:26	○ Full -	74 Sep	03 j 21:	:29:58	0
-78 Aug 18 j 04:32:10 €	-77 Dec 26 j 07:32:25	● New -75 N	May 03 j 20:58:13	•	74 Sep	10 j 12:	:42:56	O Full
-78 Aug 26 j 03:22:40 ○ Full	-76 Jan 02 j 21:22:23	● -75 N	May 11 j 10:12:42	• New	74 Sep	17 j 13:	:19:29	•
-78 Sep 03 j 04:11:34 ①	-76 Jan 10 j 21:07:47	○ Full -75 N	May 19 j 14:33:43	•	74 Sep	25 j 18:	:10:12	• New
-78 Sep 09 j 20:56:12 ● New	-76 Jan 17 j 22:33:33	• -75 N	May 26 j 13:11:38	○ Full -	74 Oct	03 j 07:	:10:17	•
-78 Sep 16 j 17:14:12 ●	-76 Jan 24 j 20:52:36		un 02 j 04:29:20		74 Oct	-		
-78 Sep 24 j 21:17:08 ○ Full	-76 Feb 01 j 18:34:40		un 10 j 00:53:28		74 Oct	-		
-78 Oct 02 j 15:18:09 ●	-76 Feb 09 j 10:55:56		un 18 j 02:52:00		74 Oct			
-78 Oct 09 j 06:53:14 ● New	-76 Feb 16 j 05:30:19		un 24 j 20:02:31		74 Nov			
-78 Oct 16 j 10:05:14 €	-76 Feb 23 j 11:27:57		ul 01 j 14:23:40		74 Nov			_
-78 Oct 24 j 15:07:13 ○ Full	-76 Mar 02 j 14:05:31		ul 09 j 16:25:31		74 Nov	-		
-78 Nov 01 j 00:54:05 ①	-76 Mar 09 j 21:53:20		ul 17 j 12:32:03		74 Nov			
-78 Nov 07 j 18:24:38 ● New	-76 Mar 16 j 12:35:59	-/3 J	ul 24 j 03:26:57	∨ Full -	74 Nov	30 J 23:	.55.55	•

	Phases of Moon	from -100 through	00 (UT), Astrodienst	AG 18-Feb-2025 13:22,	page 6
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Attention, astronomical year style is used: The year -74 in astronomical counting style is the year 75 BCE in historical counting style. -74 Dec 08 i 02:15:22 ○ Full -72 Apr 15 j 14:59:51 **●** -71 Aug 23 j 04:29:54 ● New -70 Dec 30 j 22:59:52 **●** -72 Apr 23 j 15:33:52 ○ Full -74 Dec 16 j 03:47:00 • -71 Aug 30 j 19:25:27 **●** -69 Jan 07 j 16:00:10 ● New -74 Dec 23 j 15:25:57 ● New -72 May 01 j 13:35:24 **①** -71 Sep 07 j 17:26:19 ○ Full -69 Jan 15 j 21:06:57 **●** -69 Jan 22 j 18:17:37 ○ Full -74 Dec 30 j 07:57:04 **●** -72 May 08 j 04:44:56 ● New -71 Sep 14 j 17:28:08 **①** -73 Jan 06 j 19:24:35 ○ Full -72 May 15 j 03:06:33 **●** -71 Sep 21 j 16:32:20 ● New -69 Jan 29 j 10:50:34 **●** -73 Jan 14 j 23:53:42 **●** -69 Feb 06 j 10:32:49 ● New -72 May 23 j 06:49:54 ○ Full -71 Sep 29 j 15:33:55 **●** -73 Jan 22 j 03:00:32 ● New -72 May 30 j 21:10:14 **①** -71 Oct 07 j 06:15:17 ○ Full -69 Feb 14 j 11:45:21 **●** -73 Jan 28 j 17:44:36 **●** -72 Jun 06 j 12:09:48 ● New -71 Oct 14 j 00:30:46 **①** -69 Feb 21 j 03:49:05 ○ Full -73 Feb 05 j 13:26:19 ○ Full -72 Jun 13 j 17:28:33 **●** -71 Oct 21 j 07:54:53 ● New -69 Feb 28 j 00:35:53 **①** -73 Feb 13 j 16:43:06 **●** -72 Jun 21 j 20:37:33 ○ Full -71 Oct 29 j 11:57:03 **●** -69 Mar 08 j 04:22:33 ● New -73 Feb 20 j 12:37:41 ● New -72 Jun 29 j 02:47:11 **①** -71 Nov 05 j 18:24:20 ○ Full -69 Mar 15 j 22:08:01 **●** -73 Feb 27 j 05:31:23 **●** -72 Jul 05 j 20:33:37 ● New -71 Nov 12 j 09:29:16 **①** -69 Mar 22 j 12:46:48 ○ Full -73 Mar 07 j 07:00:05 ○ Full -72 Jul 13 j 10:08:36 **●** -71 Nov 20 j 02:05:59 ● New -69 Mar 29 j 15:59:30 **●** -73 Mar 15 j 05:30:49 **①** -72 Jul 21 j 08:43:28 ○ Full -71 Nov 28 j 06:56:34 **●** -69 Apr 06 j 20:09:58 ● New -73 Mar 21 j 20:53:21 ● New -72 Jul 28 j 07:49:31 **①** -71 Dec 05 j 05:45:38 ○ Full -69 Apr 14 j 05:07:51 **●** -73 Mar 28 j 19:19:38 **●** -72 Aug 04 j 06:49:52 ● New -71 Dec 11 j 21:20:42 • -69 Apr 20 j 21:40:07 ○ Full -73 Apr 05 j 23:07:42 ○ Full -72 Aug 12 j 04:33:34 **●** -71 Dec 19 j 21:37:34 ● New -69 Apr 28 j 08:39:04 ① -73 Apr 13 j 14:24:44 **①** -72 Aug 19 j 19:30:40 ○ Full -71 Dec 27 j 23:08:24 **●** -69 May 06 j 09:10:50 ● New -73 Apr 20 j 04:44:20 ● New -72 Aug 26 j 13:37:53 **①** -70 Jan 03 j 16:19:19 ○ Full -69 May 13 j 10:07:25 **●** -73 Apr 27 i 10:45:55 **●** -72 Sep 02 j 19:50:30 ● New -70 Jan 10 j 12:19:34 **①** -69 May 20 j 07:06:57 ○ Full -73 May 05 j 13:19:02 ○ Full -72 Sep 10 j 23:30:36 **●** -70 Jan 18 j 16:43:56 ● New -69 May 28 j 02:00:11 **①** -73 May 12 j 20:18:55 **①** -72 Sep 18 i 05:44:26 ○ Full -70 Jan 26 j 11:42:01 **●** -69 Jun 04 j 19:34:05 ● New -73 May 19 i 13:12:00 ● New -72 Sep 24 j 21:24:50 **①** -70 Feb 02 i 02:23:47 ○ Full -69 Jun 11 i 14:35:33 **●** -73 May 27 j 03:17:45 **●** -72 Oct 02 j 12:03:35 ● New -70 Feb 09 i 05:45:09 **①** -69 Jun 18 i 17:55:15 ○ Full -73 Jun 04 j 01:26:18 ○ Full -72 Oct 10 j 17:30:01 **●** -70 Feb 17 j 10:01:06 ● New -69 Jun 26 j 19:12:15 **①** -73 Jun 11 j 00:38:23 **①** -70 Feb 24 j 20:38:02 **●** -69 Jul 04 i 04:10:59 ● New -72 Oct 17 j 16:06:42 ○ Full -69 Jul 10 j 19:56:41 **●** -73 Jun 17 j 23:08:35 ● New -72 Oct 24 j 08:09:30 • -70 Mar 03 j 12:32:16 ○ Full -73 Jun 25 j 20:23:49 **●** -72 Nov 01 j 06:59:36 ● New -70 Mar 11 j 00:19:42 **①** -69 Jul 18 j 06:52:16 ○ Full -73 Jul 03 j 11:41:28 ○ Full -72 Nov 09 j 09:20:04 **●** -70 Mar 19 j 00:40:32 ● New -69 Jul 26 j 11:19:26 **①** -73 Jul 10 j 05:02:08 **①** -72 Nov 16 j 02:55:49 ○ Full -70 Mar 26 j 02:48:23 **●** -69 Aug 02 j 12:09:47 ● New -73 Jul 17 j 11:09:46 ● New -72 Nov 22 j 22:27:49 **①** -70 Apr 01 j 23:19:17 ○ Full -69 Aug 09 j 03:27:29 **●** -73 Jul 25 j 13:30:42 **●** -70 Apr 09 j 18:44:28 **●** -72 Dec 01 j 02:57:54 ● New -69 Aug 16 j 22:20:59 ○ Full -73 Aug 01 j 20:37:18 ○ Full -72 Dec 08 j 22:25:52 **●** -70 Apr 17 j 12:28:01 ● New -69 Aug 25 j 01:41:08 **①** -73 Aug 08 j 11:08:08 **①** -72 Dec 15 j 14:07:37 ○ Full -70 Apr 24 j 07:37:49 **●** -69 Aug 31 j 20:31:53 ● New -73 Aug 16 j 01:32:30 ● New -72 Dec 22 j 16:15:04 **●** -70 May 01 j 11:08:43 ○ Full -69 Sep 07 j 14:14:06 **●** -73 Aug 24 j 05:54:56 **●** -72 Dec 30 j 21:48:25 ● New -70 May 09 j 12:02:06 **●** -69 Sep 15 j 15:54:37 ○ Full -73 Aug 31 j 05:04:32 ○ Full -71 Jan 07 j 08:47:39 **●** -70 May 16 j 21:41:43 ● New -69 Sep 23 j 14:04:19 **①** -73 Sep 06 j 20:18:06 **①** -71 Jan 14 j 01:36:58 ○ Full -70 May 23 j 12:41:31 **●** -69 Sep 30 j 05:57:43 ● New -73 Sep 14 j 18:11:56 ● New -71 Jan 21 j 12:28:03 **①** -70 May 31 j 00:11:24 ○ Full -69 Oct 07 j 05:02:05 **●** -73 Sep 22 j 20:45:59 **●** -71 Jan 29 j 14:00:08 ● New -70 Jun 08 j 03:36:05 **①** -69 Oct 15 j 10:13:57 ○ Full -73 Sep 29 j 14:00:43 ○ Full -71 Feb 05 j 16:52:55 **●** -70 Jun 15 j 05:08:50 ● New -69 Oct 23 j 00:39:54 **①** -73 Oct 06 j 09:20:54 **①** -70 Jun 21 j 19:28:02 **●** -71 Feb 12 j 13:36:45 ○ Full -69 Oct 29 j 16:46:58 ● New -73 Oct 14 j 12:32:12 ● New -70 Jun 29 j 14:29:08 ○ Full -71 Feb 20 j 09:11:14 **①** -69 Nov 05 j 23:52:54 **●** -73 Oct 22 j 09:25:10 **●** -71 Feb 28 j 03:09:05 • New -70 Jul 07 j 17:03:41 • -69 Nov 14 j 03:43:34 ○ Full -73 Oct 29 j 00:13:02 ○ Full -71 Mar 06 j 23:30:14 **●** -70 Jul 14 j 11:56:34 ● New -69 Nov 21 j 09:52:50 **●** -73 Nov 05 i 02:19:22 **①** -71 Mar 14 i 02:32:26 ○ Full -70 Jul 21 i 05:06:55 **●** -69 Nov 28 i 05:10:30 ● New -73 Nov 13 i 07:18:18 ● New -71 Mar 22 j 04:22:01 **①** -70 Jul 29 i 05:55:28 ○ Full -69 Dec 05 j 21:35:12 **●** -70 Aug 06 j 04:16:54 **①** -73 Nov 20 j 19:46:42 **●** -71 Mar 29 i 13:37:08 ● New -69 Dec 13 i 19:19:31 ○ Full -73 Nov 27 i 12:03:20 ○ Full -71 Apr 05 j 05:43:38 **●** -70 Aug 12 j 19:18:56 ● New -69 Dec 20 j 18:16:07 • -73 Dec 04 j 22:26:20 **●** -70 Aug 19 j 18:19:39 **●** -71 Apr 12 j 16:38:14 ○ Full -69 Dec 27 j 19:19:09 ● New -73 Dec 13 j 00:51:17 ● New -71 Apr 20 j 20:42:12 **①** -70 Aug 27 j 22:08:56 ○ Full -68 Jan 04 i 19:47:33 **●** -73 Dec 20 j 04:22:29 **●** -71 Apr 27 j 22:03:25 ● New -70 Sep 04 j 13:29:27 **●** -68 Jan 12 j 08:42:59 ○ Full -73 Dec 27 j 01:25:52 ○ Full -71 May 04 j 12:45:33 **●** -70 Sep 11 j 04:21:35 ● New -68 Jan 19 j 02:29:07 **①** -72 Jan 03 j 20:08:45 **①** -71 May 12 j 07:39:02 ○ Full -70 Sep 18 j 11:13:03 **●** -68 Jan 26 j 11:13:07 ● New -72 Jan 11 j 15:51:53 ● New -70 Sep 26 j 14:26:26 ○ Full -68 Feb 03 j 15:57:17 **●** -71 May 20 j 09:52:15 **①** -72 Jan 18 j 12:08:03 **●** -70 Oct 03 j 21:20:59 **●** -68 Feb 10 j 20:00:56 ○ Full -71 May 27 j 05:12:39 ● New -72 Jan 25 j 16:00:57 ○ Full -71 Jun 02 j 21:47:28 **●** -70 Oct 10 j 15:47:21 ● New -68 Feb 17 j 11:16:11 **①** -72 Feb 02 j 17:21:17 **①** -71 Jun 10 j 22:55:48 ○ Full -70 Oct 18 j 07:13:24 **●** -68 Feb 25 j 04:19:14 ● New -72 Feb 10 j 03:55:57 ● New -71 Jun 18 j 20:12:40 **●** -70 Oct 26 j 05:51:53 ○ Full -68 Mar 04 j 08:28:46 **●** -72 Feb 16 j 20:01:02 **●** -71 Jun 25 j 11:56:55 ● New -70 Nov 02 j 04:51:44 **①** -68 Mar 11 j 05:28:30 ○ Full -72 Feb 24 j 07:29:31 ○ Full -71 Jul 02 j 09:46:20 **●** -70 Nov 09 j 05:47:39 ● New -68 Mar 17 j 21:22:09 **●** -72 Mar 03 j 12:00:00 **●** -71 Jul 10 j 13:49:14 ○ Full -70 Nov 17 j 04:58:49 **●** -68 Mar 25 j 21:27:48 ● New -72 Mar 10 j 13:30:56 ● New -71 Jul 18 j 04:22:09 **●** -70 Nov 24 j 19:41:39 ○ Full -68 Apr 02 j 21:00:32 **●** -72 Mar 17 j 04:47:09 **●** -71 Jul 24 j 19:19:08 ● New -70 Dec 01 j 13:07:38 **●** -68 Apr 09 j 13:29:55 ○ Full -72 Mar 24 j 23:31:28 ○ Full -71 Aug 01 j 01:06:37 **●** -70 Dec 08 j 22:04:59 ● New -68 Apr 16 j 09:23:56 **●** -72 Apr 02 j 02:47:34 **①** -71 Aug 09 j 03:59:26 ○ Full -70 Dec 17 j 02:22:11 **●** -68 Apr 24 j 13:23:58 ● New -72 Apr 08 j 21:28:55 ● New -71 Aug 16 j 11:08:13 **①** -70 Dec 24 j 07:44:30 ○ Full -68 May 02 j 06:01:27 **●**

Phases of Moon	from -100 through 0	(UT), Astrodienst AG 18-Feb-2025 13:22,	page 7
I mases of whom	mom - roo unough o	(01), Astrodictist AG 10-1 co-2023 13.22,	page /

Attention astronomical year style is used:	~		na atulo
-68 May 08 j 20:47:38 ○ Full	-67 Sep 15 j 06:59:46 ©	g style is the year 69 BCE in historical counting -65 Jan 23 j 10:13:47 ◆ New	-64 Jun 01 j 02:27:08 ①
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-68 May 15 j 23:38:18 ①	-67 Sep 22 j 11:56:50 O Full	-65 Jan 30 j 04:57:34 ●	-64 Jun 07 j 21:29:22 • New
-68 May 24 j 03:25:53 ● New	-67 Sep 30 j 14:01:13 ①	-65 Feb 07 j 08:37:16 O Full	-64 Jun 15 j 14:52:58 ●
-68 May 31 j 12:25:40 €	-67 Oct 07 j 23:23:32 ● New	-65 Feb 15 j 04:21:56 ①	-64 Jun 23 j 10:18:17 O Full
-68 Jun 07 j 04:24:18 O Full	-67 Oct 14 j 14:55:35 ①	-65 Feb. 21 j 19:56:58 ● New	-64 Jun 30 j 06:38:09 ①
-68 Jun 14 j 15:52:00 ①	-67 Oct 22 j 04:23:52 O Full	-65 Feb 28 j 20:43:20 ●	-64 Jul 07 j 08:21:01 • New
-68 Jun 22 j 15:35:35 ● New	-67 Oct 30 j 09:28:24 ①	-65 Mar 09 j 01:37:22 ○ Full	-64 Jul 15 j 08:10:47 ©
-68 Jun 29 j 17:21:12 €	-67 Nov 06 j 10:11:55 ● New	-65 Mar 16 j 13:12:52 ①	-64 Jul 22 j 20:00:04 O Full
-68 Jul 06 j 13:33:28 O Full	-67 Nov 13 j 01:48:32 ●	-65 Mar 23 j 05:05:07 ● New	-64 Jul 29 j 11:43:32 ①
-68 Jul 14 j 09:23:27 ①	-67 Nov 20 j 23:06:38 O Full	-65 Mar 30 j 14:06:53 ●	-64 Aug 05 j 21:33:26 ● New
-68 Jul 22 j 02:23:32 • New	-67 Nov 29 j 02:43:43 ①	-65 Apr 07 j 15:42:40 ○ Full	-64 Aug 14 j 01:18:40 ●
-68 Jul 28 j 22:07:21 ©	-67 Dec 05 j 20:51:45 • New	-65 Apr 14 j 19:24:39 •	-64 Aug 21 j 04:48:01 O Full
-68 Aug 05 j 01:19:45 O Full	-67 Dec 12 j 15:56:46 ①	-65 Apr 21 j 14:26:24 ● New	-64 Aug 27 j 19:15:10 •
-68 Aug 13 j 03:17:40 ①	-67 Dec 20 j 18:51:25 O Full	-65 Apr 29 j 08:02:42 €	-64 Sep 04 j 13:13:31 • New
-68 Aug 20 j 12:26:39 ● New	-67 Dec 28 j 16:33:45 ①	-65 May 07 j 03:03:57 ○ Full	-64 Sep 12 j 17:24:03 ●
-68 Aug 27 j 04:12:14 ●	-66 Jan 04 j 07:41:51 • New	-65 May 14 j 00:08:40 ●	-64 Sep 19 j 13:35:49 O Full
-68 Sep 03 j 16:12:54 O Full	-66 Jan 11 j 08:54:04 ©	-65 May 21 j 00:59:35 ● New	-64 Sep 26 j 06:20:08 ●
-68 Sep 11 j 20:41:25 ①	-66 Jan 19 j 13:50:45 ○ Full	-65 May 29 j 01:21:48 ●	-64 Oct 04 j 07:01:08 ● New
-68 Sep 18 j 22:14:55 ● New	-66 Jan 27 j 02:49:02 Φ	-65 Jun 05 j 12:24:05 ○ Full	-64 Oct 12 j 07:33:39 ●
-68 Sep 25 j 13:03:40 ©	-66 Feb 02 j 18:47:03 • New	-65 Jun 12 j 04:48:54 ①	-64 Oct 18 j 23:15:32 ○ Full
-68 Oct 03 j 09:48:07 ○ Full	-66 Feb 10 j 03:43:09 ●	-65 Jun 19 j 13:29:34 ● New	-64 Oct 25 j 21:24:19 ①
-68 Oct 11 j 12:46:34 ①	-66 Feb 18 j 06:20:49 ○ Full	-65 Jun 27 j 17:17:00 €	-64 Nov 03 j 01:57:55 ● New
-68 Oct 18 j 08:10:27 ● New	-66 Feb 25 j 10:15:47 ●	-65 Jul 04 j 20:32:54 ○ Full	-64 Nov 10 j 19:18:10 ●
-68 Oct 25 j 01:48:14 ●	-66 Mar 04 j 06:08:42 ● New	-65 Jul 11 j 10:55:52 ●	-64 Nov 17 j 10:20:12 ○ Full
-68 Nov 02 j 04:51:17 ○ Full	-66 Mar 11 j 23:09:33 ●	-65 Jul 19 j 04:06:59 ● New	-64 Nov 24 j 16:03:45 ①
-68 Nov 10 j 02:48:52 ●	-66 Mar 19 j 19:29:22 ○ Full	-65 Jul 27 j 07:29:14 ●	-64 Dec 02 j 20:28:51 ● New
-68 Nov 16 j 18:34:00 ● New	-66 Mar 26 j 16:07:45 ●	-65 Aug 03 j 04:17:36 ○ Full	-64 Dec 10 j 04:48:19 ●
-68 Nov 23 j 18:40:09 ●	-66 Apr 02 j 17:58:37 ● New	-65 Aug 09 j 19:56:52 ①	-64 Dec 16 j 22:54:49 ○ Full
-68 Dec 01 j 23:49:47 ○ Full	-66 Apr 10 j 17:50:35 ●	-65 Aug 17 j 20:23:37 ● New	-64 Dec 24 j 13:06:30 ●
-68 Dec 09 j 14:18:03 ①	-66 Apr 18 j 05:30:49 ○ Full	-65 Aug 25 j 19:56:33 ●	-63 Jan 01 j 12:55:55 ● New
-68 Dec 16 j 05:49:04 ● New	-66 Apr 24 j 21:42:38 ●	-65 Sep 01 j 12:24:21 ○ Full	-63 Jan 08 j 12:49:33 ●
-68 Dec 23 j 14:39:53 ●	-66 May 02 j 06:40:56 ● New	-65 Sep 08 j 08:57:26 ①	-63 Jan 15 j 12:44:21 ○ Full
-68 Dec 31 j 17:22:15 ○ Full	-66 May 10 j 10:31:13 ●	-65 Sep 16 j 13:27:52 ● New	-63 Jan 23 j 10:41:55 ●
-67 Jan 07 j 23:17:05 ①	-66 May 17 j 13:23:49 ○ Full	-65 Sep 24 j 06:42:54 ●	-63 Jan 31 j 02:25:00 ● New
-67 Jan 14 j 18:16:09 ● New	-66 May 24 j 04:11:34 ●	-65 Sep 30 j 21:41:43 ○ Full	-63 Feb 06 j 20:21:47 ●
-67 Jan 22 j 11:51:48 ●	-66 May 31 j 20:37:46 ● New	-65 Oct 08 j 02:13:34 ①	-63 Feb 14 j 03:31:02 ○ Full
-67 Jan 30 j 08:30:55 ○ Full	-66 Jun 09 j 00:26:58 ●	-65 Oct 16 j 06:26:31 ● New	-63 Feb 22 j 06:43:05 ●
-67 Feb 06 j 06:29:57 ①	-66 Jun 15 j 20:20:23 ○ Full	-65 Oct 23 j 15:58:47 ●	-63 Mar 01 j 13:02:14 ● New
-67 Feb 13 j 07:59:56 ● New	-66 Jun 22 j 12:38:06 ●	-65 Oct 30 j 08:57:06 ○ Full	-63 Mar 08 j 04:19:51 ●
-67 Feb 21 j 08:14:05 ●	-66 Jun 30 j 11:48:34 ● New	-65 Nov 06 j 22:50:16 ●	-63 Mar 15 j 19:01:05 ○ Full
-67 Feb 28 j 20:47:12 ○ Full	-66 Jul 08 j 11:35:55 ●	-65 Nov 14 j 22:34:31 ● New	-63 Mar 23 j 23:27:38 ●
-67 Mar 07 j 13:07:55 ●	-66 Jul 15 j 03:25:45 ○ Full	-65 Nov 22 j 00:11:55 ●	-63 Mar 30 j 21:33:25 ● New
-67 Mar 14 j 22:42:44 ● New	-66 Jul 21 j 23:58:15 ●	-65 Nov 28 j 22:41:13 ○ Full	-63 Apr 06 j 13:26:11 ●
-67 Mar 23 j 02:17:00 ●	-66 Jul 30 j 03:39:44 ● New	-65 Dec 06 j 20:52:00 ●	-63 Apr 14 j 10:54:17 ○ Full
-67 Mar 30 j 06:18:18 ○ Full	-66 Aug 06 j 20:31:48 ●	-65 Dec 14 j 13:12:24 ● New	-63 Apr 22 j 12:13:37 ●
-67 Apr 05 j 20:26:31 ●	-66 Aug 13 j 11:31:56 ○ Full	-65 Dec 21 j 08:12:12 ●	-63 Apr 29 j 04:56:14 ● New
-67 Apr 13 j 13:53:37 ● New	-66 Aug 20 j 14:52:22 ●	-65 Dec 28 j 14:46:19 ○ Full	-63 May 06 j 00:14:36 ●
-67 Apr 21 j 17:11:06 ●	-66 Aug 28 j 19:17:36 ● New	-64 Jan 05 j 18:05:27 ●	-63 May 14 j 02:33:40 ○ Full
-67 Apr 28 j 13:46:41 ○ Full	-66 Sep 05 j 04:07:38 ●	-64 Jan 13 j 01:49:04 ● New	-63 May 21 j 21:22:33 ●
-67 May 05 j 05:27:37 ●	-66 Sep 11 j 21:20:55 ○ Full	-64 Jan 19 j 17:00:32 ●	-63 May 28 j 12:05:20 ● New
-67 May 13 j 05:04:15 ● New	-66 Sep 19 j 09:22:56 ①	-64 Jan 27 j 08:18:38 ○ Full	-63 Jun 04 j 13:14:05 ●
-67 May 21 j 04:43:10 ●	-66 Sep 27 j 09:58:27 ● New	-64 Feb 04 j 12:40:13 ●	-63 Jun 12 j 17:13:02 ○ Full
-67 May 27 j 20:19:08 ○ Full	-66 Oct 04 j 11:21:35 ●	-64 Feb 11 j 12:15:36 ● New	-63 Jun 20 j 03:56:51 ●
-67 Jun 03 j 16:50:36 ●	-66 Oct 11 j 09:30:16 ○ Full	-64 Feb 18 j 03:27:10 ●	-63 Jun 26 j 19:51:15 ● New
-67 Jun 11 j 19:55:08 ● New	-66 Oct 19 j 06:27:50 ●	-64 Feb 26 j 02:00:41 ○ Full	-63 Jul 04 j 04:41:57 ●
-67 Jun 19 j 13:13:54 ●	-66 Oct 26 j 23:28:50 ● New	-64 Mar 05 j 03:28:56 ●	-63 Jul 12 j 06:20:41 ○ Full
-67 Jun 26 j 03:11:23 ○ Full	-66 Nov 02 j 19:09:05 ●	-64 Mar 11 j 20:55:28 ● New	-63 Jul 19 j 09:15:44 ●
-67 Jul 03 j 06:51:43 ●	-66 Nov 10 j 00:28:21 ○ Full	-64 Mar 18 j 15:54:31 ●	-63 Jul 26 j 05:05:32 ● New
-67 Jul 11 j 10:10:52 ● New	-66 Nov 18 j 04:01:12 ●	-64 Mar 26 j 18:45:20 ○ Full	-63 Aug 02 j 22:26:37 ●
-67 Jul 18 j 19:34:46 ●	-66 Nov 25 j 11:57:51 ● New	-64 Apr 03 j 14:14:47 ●	-63 Aug 10 j 17:58:31 ○ Full
-67 Jul 25 j 11:33:52 O Full	-66 Dec 02 j 04:18:33	-64 Apr 10 j 04:39:32 ● New	-63 Aug 17 j 14:40:25 ●
-67 Aug 01 j 23:26:45 ●	-66 Dec 09 j 18:10:36 ○ Full	-64 Apr 17 j 06:15:16 ●	-63 Aug 24 j 16:41:57 ● New
-67 Aug 09 j 23:35:44 ● New	-66 Dec 17 j 23:43:01 ●	-64 Apr 25 j 09:51:42 O Full	-63 Sep 01 j 17:33:03 ●
-67 Aug 17 j 01:00:52 ●	-66 Dec 24 j 23:33:51 ● New	-64 May 02 j 21:30:28 ●	-63 Sep 09 j 04:39:56 ○ Full
-67 Aug 23 j 22:19:44 O Full	-66 Dec 31 j 15:27:43 ●	-64 May 09 j 12:30:53 ● New	-63 Sep 15 j 21:26:33 ①
-67 Aug 31 j 18:09:16 ①	-65 Jan 08 j 13:32:08 ○ Full	-64 May 16 j 22:04:24 ●	-63 Sep 23 j 07:23:37 ● New
-67 Sep 08 j 11:58:39 ● New	-65 Jan 16 j 15:59:20 ●	-64 May 24 j 23:02:17 ○ Full	-63 Oct 01 j 12:31:33 ●

	Phases of Moon	from -100 through	00 (UT), Astrodienst	AG 18-Feb-20)25 13:22,	page 8
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Attention, astronomical year style is used: The year -63 in astronomical counting style is the year 64 BCE in historical counting style. -60 Jun 24 j 03:38:28 ● New -63 Oct 08 j 15:08:41 ○ Full -61 Feb 15 j 20:47:42 **●** -59 Nov 01 j 00:21:01 **●** -61 Feb 22 j 11:30:46 ○ Full -63 Oct 15 j 06:39:20 **●** -60 Jun 30 j 20:56:44 **●** -59 Nov 07 j 17:44:05 ● New -63 Oct 23 j 01:12:40 ● New -60 Jul 08 j 03:29:28 ○ Full -61 Mar 01 j 18:33:56 **①** -59 Nov 14 j 13:55:17 **●** -60 Jul 16 j 06:42:47 **●** -59 Nov 22 j 18:30:51 ○ Full -63 Oct 31 j 05:51:51 **●** -61 Mar 09 j 21:25:41 ● New -60 Jul 23 j 11:58:34 ● New -63 Nov 07 j 01:53:29 ○ Full -61 Mar 17 j 04:06:56 **●** -59 Nov 30 j 13:21:13 **●** -63 Nov 13 j 19:06:32 **●** -61 Mar 23 j 21:38:32 ○ Full -60 Jul 30 j 03:14:00 **●** -59 Dec 07 j 04:30:49 ● New -63 Nov 21 j 21:00:49 ● New -61 Mar 31 j 12:55:32 **①** -60 Aug 06 j 17:45:08 ○ Full -59 Dec 14 j 08:25:23 **●** -63 Nov 29 j 20:35:09 **●** -61 Apr 08 j 10:34:52 ● New -60 Aug 14 j 22:20:23 **●** -59 Dec 22 j 12:58:40 ○ Full -63 Dec 06 j 12:57:17 ○ Full -61 Apr 15 j 09:18:04 **●** -60 Aug 21 j 20:15:00 ● New -59 Dec 29 j 23:35:49 **①** -63 Dec 13 j 11:05:15 **①** -61 Apr 22 j 08:38:43 ○ Full -60 Aug 28 j 12:16:51 **●** -58 Jan 05 j 16:11:53 ● New -63 Dec 21 j 16:42:23 ● New -61 Apr 30 j 06:43:38 **①** -60 Sep 05 j 10:32:59 ○ Full -58 Jan 13 j 05:05:07 **●** -63 Dec 29 j 08:22:44 **●** -61 May 07 j 21:00:32 ● New -60 Sep 13 j 12:05:30 **●** -58 Jan 21 j 05:23:30 ○ Full -62 Jan 05 j 00:11:19 ○ Full -61 May 14 j 13:54:47 **●** -60 Sep 20 j 05:17:29 ● New -58 Jan 28 j 07:29:17 **①** -62 Jan 12 j 06:03:28 **●** -61 May 21 j 20:51:57 ○ Full -60 Sep 27 j 01:02:42 **●** -58 Feb 04 j 05:02:47 ● New -62 Jan 20 j 10:18:53 ● New -61 May 29 j 23:14:27 **①** -60 Oct 05 j 04:55:44 ○ Full -58 Feb 12 j 01:52:48 **●** -62 Jan 27 j 17:29:19 **●** -61 Jun 06 j 05:16:16 ● New -60 Oct 12 j 23:52:51 **●** -58 Feb 19 j 19:02:25 ○ Full -62 Feb 03 j 11:39:29 ○ Full -61 Jun 12 j 19:32:06 **●** -60 Oct 19 j 15:32:14 ● New -58 Feb 26 j 14:03:42 **●** -62 Feb 11 j 02:31:45 ① -61 Jun 20 j 10:27:03 ○ Full -60 Oct 26 j 17:57:36 **●** -58 Mar 05 j 19:00:25 ● New -62 Feb 19 i 00:54:01 ● New -61 Jun 28 j 13:58:23 **①** -60 Nov 03 j 23:15:09 ○ Full -58 Mar 13 j 21:04:18 **●** -62 Feb 26 i 00:34:59 **●** -61 Jul 05 i 12:20:18 • New -60 Nov 11 j 09:57:12 **①** -58 Mar 21 j 05:46:25 ○ Full -62 Mar 04 j 23:46:00 ○ Full -61 Jul 12 j 03:32:06 **●** -60 Nov 18 j 03:09:47 ● New -58 Mar 27 j 20:37:32 **①** -62 Mar 12 j 22:28:55 **①** -61 Jul 20 j 01:23:43 ○ Full -60 Nov 25 i 14:27:34 **●** -58 Apr 04 i 09:43:29 ● New -62 Mar 20 i 12:32:30 ● New -61 Jul 28 j 02:36:28 **①** -60 Dec 03 i 16:02:30 ○ Full -58 Apr 12 j 13:33:21 **●** -62 Mar 27 i 06:38:58 **●** -61 Aug 03 j 19:24:09 ● New -60 Dec 10 j 18:45:26 • -58 Apr 19 j 14:03:12 ○ Full -62 Apr 03 j 12:57:57 ○ Full -61 Aug 10 j 14:52:48 **●** -60 Dec 17 j 16:19:11 ● New -58 Apr 26 j 04:24:02 **●** -62 Apr 11 j 16:14:05 **①** -61 Aug 18 j 17:28:49 ○ Full -60 Dec 25 j 12:41:24 **●** -58 May 04 j 00:45:21 ● New -62 Apr 18 j 21:49:26 ● New -61 Aug 26 j 13:06:16 **①** -59 Jan 02 j 06:35:09 ○ Full -58 May 12 j 02:49:47 **●** -62 Apr 25 i 12:52:58 **●** -61 Sep 02 j 03:38:14 ● New -59 Jan 09 j 02:53:14 **●** -58 May 18 j 20:50:35 ○ Full -58 May 25 j 14:17:44 **●** -62 May 03 j 03:20:39 ○ Full -61 Sep 09 j 05:59:36 **●** -59 Jan 16 j 07:09:04 ● New -62 May 11 j 07:00:41 **●** -61 Sep 17 j 10:07:33 ○ Full -59 Jan 24 j 10:03:26 **●** -58 Jun 02 j 15:45:02 ● New -62 May 18 j 05:28:43 ● New -61 Sep 24 j 21:50:02 **①** -59 Jan 31 j 18:50:30 ○ Full -58 Jun 10 j 12:56:14 **●** -62 May 24 j 20:32:53 **●** -61 Oct 01 j 13:56:18 ● New -59 Feb 07 j 11:04:04 **①** -58 Jun 17 j 03:22:23 ○ Full -62 Jun 01 j 18:28:55 ○ Full -61 Oct 09 j 00:39:02 **●** -59 Feb 14 j 23:28:23 ● New -58 Jun 24 j 02:49:33 **●** -62 Jun 09 j 18:51:12 **①** -61 Oct 17 j 02:23:17 ○ Full -59 Feb 23 j 04:26:02 **●** -58 Jul 02 j 06:26:34 ● New -62 Jun 16 j 12:18:51 ● New -61 Oct 24 j 05:35:26 **●** -59 Mar 02 j 05:02:43 ○ Full -58 Jul 09 j 20:26:49 **●** -62 Jun 23 j 06:47:38 **●** -61 Oct 31 j 02:43:21 ● New -59 Mar 08 j 20:06:03 **●** -58 Jul 16 j 10:53:26 ○ Full -62 Jul 01 j 09:41:57 ○ Full -61 Nov 07 j 21:51:55 **●** -59 Mar 16 j 16:28:51 ● New -58 Jul 23 j 18:07:47 **●** -62 Jul 09 j 04:14:52 **●** -61 Nov 15 j 17:17:42 ○ Full -59 Mar 24 j 18:54:08 **●** -58 Jul 31 j 20:32:48 ● New -62 Jul 15 j 19:16:55 ● New -61 Nov 22 j 13:25:35 **①** -59 Mar 31 j 13:33:21 ○ Full -58 Aug 08 j 02:23:18 **●** -62 Jul 22 j 20:22:50 **●** -61 Nov 29 j 17:53:22 ● New -59 Apr 07 j 06:45:04 **①** -58 Aug 14 j 20:26:28 ○ Full -62 Jul 31 j 00:27:20 ○ Full -61 Dec 07 j 19:49:10 **●** -59 Apr 15 j 08:57:53 ● New -58 Aug 22 j 11:58:40 ① -62 Aug 07 j 11:52:04 ① -61 Dec 15 j 06:19:10 ○ Full -59 Apr 23 j 05:35:56 **●** -58 Aug 30 j 09:45:38 ● New -62 Aug 14 j 03:29:46 ● New -61 Dec 21 j 22:20:18 • -59 Apr 29 j 20:57:13 ○ Full -58 Sep 06 j 08:06:20 **●** -62 Aug 21 j 13:21:57 **●** -61 Dec 29 j 10:57:14 ● New -59 May 06 j 19:33:59 **①** -58 Sep 13 j 08:41:42 ○ Full -62 Aug 29 j 14:32:42 ○ Full -60 Jan 06 j 16:10:42 **●** -59 May 14 j 23:56:21 ● New -58 Sep 21 j 07:39:44 **●** -62 Sep 05 j 18:31:38 **①** -60 Jan 13 i 17:32:02 ○ Full -59 May 22 j 13:14:53 **●** -58 Sep 28 j 21:55:54 ● New -62 Sep 12 i 14:05:31 ● New -60 Jan 20 j 08:57:25 **①** -59 May 29 i 04:08:49 ○ Full -58 Oct 05 j 15:02:04 € -62 Sep 20 i 08:56:47 **●** -60 Jan 28 i 05:07:39 ● New -59 Jun 05 j 10:39:55 **①** -58 Oct 12 j 23:51:02 ○ Full -62 Sep 28 j 03:58:32 ○ Full -60 Feb 05 i 08:58:06 € -59 Jun 13 i 13:04:52 ● New -58 Oct 21 j 03:50:02 • -62 Oct 05 j 01:13:59 • -60 Feb 12 j 03:22:27 ○ Full -59 Jun 20 j 18:51:42 **●** -58 Oct 28 j 09:12:53 ● New -59 Jun 27 j 12:18:54 ○ Full -62 Oct 12 i 03:52:10 • New -60 Feb 18 j 21:27:01 **①** -58 Nov 04 j 00:23:30 **●** -62 Oct 20 j 05:38:59 **●** -60 Feb 26 j 23:16:54 ● New -59 Jul 05 j 03:37:44 **①** -58 Nov 11 j 17:35:38 ○ Full -58 Nov 19 j 22:38:37 **●** -62 Oct 27 j 16:43:13 ○ Full -60 Mar 05 j 21:23:38 **●** -59 Jul 13 j 00:40:36 ● New -62 Nov 03 j 09:09:45 **●** -60 Mar 12 j 12:21:27 ○ Full -59 Jul 19 j 23:38:52 **●** -58 Nov 26 j 20:00:34 ● New -60 Mar 19 j 11:41:41 **①** -59 Jul 26 j 22:40:07 ○ Full -58 Dec 03 j 12:49:43 **●** -62 Nov 10 j 20:48:28 ● New -62 Nov 19 j 01:45:05 **●** -60 Mar 27 j 16:04:55 ● New -59 Aug 03 j 21:37:30 **●** -58 Dec 11 j 13:00:55 ○ Full -62 Nov 26 j 04:37:21 ○ Full -60 Apr 04 j 05:54:01 **●** -59 Aug 11 j 11:17:09 ● New -58 Dec 19 j 14:25:39 **①** -62 Dec 02 j 19:25:59 **①** -60 Apr 10 j 20:59:41 ○ Full -59 Aug 18 j 04:59:27 **●** -58 Dec 26 j 06:42:31 ● New -62 Dec 10 j 15:50:40 ● New -60 Apr 18 j 03:27:24 **●** -59 Aug 25 j 12:03:19 ○ Full -57 Jan 02 j 04:15:26 **●** -62 Dec 18 j 19:38:26 **●** -60 Apr 26 j 06:28:13 ● New -59 Sep 02 j 15:41:07 **①** -57 Jan 10 j 08:33:44 ○ Full -62 Dec 25 j 15:33:51 ○ Full -60 May 03 j 11:41:08 **●** -59 Sep 09 j 21:25:53 ● New -57 Jan 18 j 02:27:30 **①** -61 Jan 01 j 08:41:07 **●** -60 May 10 j 05:52:29 ○ Full -59 Sep 16 j 12:22:11 **●** -57 Jan 24 j 17:30:29 ● New -61 Jan 09 j 11:16:39 ● New -60 May 17 j 20:21:44 **●** -59 Sep 24 j 04:31:42 ○ Full -57 Jan 31 j 21:58:59 **●** -60 May 25 j 18:08:53 ● New -61 Jan 17 j 10:07:53 **●** -59 Oct 02 j 08:53:01 **●** -57 Feb 09 j 02:23:22 ○ Full -61 Jan 24 j 01:42:00 ○ Full -60 Jun 01 j 16:12:50 **●** -59 Oct 09 j 07:29:04 ● New -57 Feb 16 j 11:06:39 **●** -61 Jan 31 j 00:43:28 **①** -60 Jun 08 j 15:45:14 ○ Full -59 Oct 15 j 23:06:31 **●** -57 Feb 23 j 04:27:53 ● New -61 Feb 08 j 05:29:50 ● New -60 Jun 16 j 13:45:17 • -59 Oct 23 j 23:11:10 ○ Full -57 Mar 02 j 16:57:50 **●**

Phases of Moon	from -100 through	00 (UT), Astrodienst AG	G 18-Feb-2025 13:22.	page 9

Attention, astronomical year style is used: The year -57 in astronomical counting style is the year 58 BCE in historical counting style. -57 Mar 10 i 17:09:05 ○ Full -56 Jul 17 j 03:58:59 **●** -55 Nov 23 j 15:30:01 ● New -53 Apr 02 j 11:02:15 **①** -56 Jul 24 j 04:15:18 O Full -57 Mar 17 j 17:28:15 **①** -55 Dec 01 j 04:50:11 **●** -53 Apr 09 j 21:14:48 ● New -57 Mar 24 j 15:43:23 ● New -56 Jul 30 j 18:46:10 **①** -55 Dec 07 j 20:51:54 ○ Full -53 Apr 16 j 13:36:51 **●** -57 Apr 01 j 11:57:40 **●** -56 Aug 07 j 15:30:28 ● New -55 Dec 15 j 06:21:20 **●** -53 Apr 23 j 23:25:19 ○ Full -57 Apr 09 j 04:34:32 ○ Full -56 Aug 15 j 17:38:37 **●** -55 Dec 23 j 09:14:26 ● New -53 May 02 j 03:19:02 **●** -57 Apr 15 j 22:51:47 **①** -56 Aug 22 j 12:16:00 ○ Full -55 Dec 30 j 13:30:27 **●** -53 May 09 j 05:34:09 ● New -57 Apr 23 j 03:39:36 ● New -56 Aug 29 j 05:41:18 **①** -54 Jan 06 j 09:57:10 ○ Full -53 May 15 j 20:10:51 **●** -57 May 01 j 05:41:10 **●** -56 Sep 06 j 08:30:17 ● New -54 Jan 14 j 03:46:53 **●** -53 May 23 j 14:05:26 ○ Full -57 May 08 j 13:21:09 ○ Full -56 Sep 14 j 05:36:26 **●** -54 Jan 22 j 00:14:42 ● New -53 May 31 j 16:41:31 **①** -57 May 15 j 04:34:08 **①** -56 Sep 20 j 21:02:08 ○ Full -54 Jan 28 j 21:02:45 **●** -53 Jun 07 j 12:41:53 ● New -57 May 22 j 16:45:41 ● New -56 Sep 27 j 20:54:16 **●** -54 Feb 05 j 00:01:21 ○ Full -53 Jun 14 j 04:48:53 **●** -57 May 30 j 21:07:04 **●** -56 Oct 06 j 01:54:03 ● New -54 Feb 13 j 00:41:07 **●** -53 Jun 22 j 05:20:20 ○ Full -57 Jun 06 j 20:38:04 ○ Full -56 Oct 13 j 15:53:55 **●** -54 Feb 20 j 12:08:43 ● New -53 Jun 30 j 03:26:29 **①** -57 Jun 13 j 11:44:34 **①** -56 Oct 20 j 07:20:16 ○ Full -54 Feb 27 j 04:27:52 **●** -53 Jul 06 j 19:30:32 ● New -57 Jun 21 j 07:17:51 ● New -56 Oct 27 j 16:05:38 **①** -54 Mar 06 j 14:52:51 ○ Full -53 Jul 13 j 16:33:15 **●** -57 Jun 29 j 09:49:58 **●** -56 Nov 04 j 18:47:48 ● New -54 Mar 14 j 19:07:09 **①** -53 Jul 21 j 20:30:58 ○ Full -57 Jul 06 j 03:35:39 ○ Full -56 Nov 12 j 00:44:59 **●** -54 Mar 21 j 21:28:20 ● New -53 Jul 29 j 12:07:09 ① -57 Jul 12 j 21:25:05 **●** -56 Nov 18 j 19:49:33 ○ Full -54 Mar 28 j 12:37:12 **●** -53 Aug 05 j 03:01:50 ● New -57 Jul 20 j 23:00:37 ● New -56 Nov 26 j 13:44:07 **①** -54 Apr 05 j 06:21:16 ○ Full -53 Aug 12 j 07:52:58 **●** -57 Jul 28 j 20:04:05 **●** -56 Dec 04 j 10:25:27 ● New -54 Apr 13 j 09:52:16 **①** -53 Aug 20 j 11:12:20 ○ Full -57 Aug 04 j 11:12:08 ○ Full -56 Dec 11 i 08:46:39 **●** -54 Apr 20 j 05:10:27 ● New -53 Aug 27 j 19:24:41 **①** -57 Aug 11 j 10:27:22 **①** -56 Dec 18 i 10:42:18 ○ Full -54 Apr 26 j 22:11:47 **●** -53 Sep 03 i 12:24:02 ● New -57 Aug 19 j 15:06:09 ● New -56 Dec 26 i 11:37:42 • -54 May 04 j 22:03:03 ○ Full -53 Sep 11 j 02:26:13 **●** -57 Aug 27 j 04:31:11 **●** -55 Jan 03 i 00:08:10 ● New -54 May 12 j 20:48:00 **①** -53 Sep 19 j 01:16:19 ○ Full -57 Sep 02 j 20:12:25 ○ Full -55 Jan 09 j 16:56:20 **●** -54 May 19 j 12:13:57 ● New -53 Sep 26 j 02:10:10 **①** -57 Sep 10 j 03:17:08 **●** -55 Jan 17 j 03:27:28 ○ Full -54 May 26 j 09:46:56 **●** -53 Oct 03 j 00:36:59 ● New -57 Sep 18 j 06:37:53 ● New -55 Jan 25 j 07:40:54 **①** -54 Jun 03 j 13:17:08 ○ Full -53 Oct 10 j 22:59:47 **●** -57 Sep 25 j 12:04:51 **●** -55 Feb 01 j 11:34:20 ● New -54 Jun 11 j 04:38:22 **●** -53 Oct 18 j 14:39:23 ○ Full -57 Oct 02 j 07:13:48 ○ Full -55 Feb 08 j 02:13:29 **●** -54 Jun 17 j 19:32:12 ● New -53 Oct 25 j 09:27:23 **①** -57 Oct 09 j 23:26:16 **●** -55 Feb 15 j 20:58:32 ○ Full -54 Jun 24 j 23:51:00 **●** -53 Nov 01 j 16:05:28 ● New -57 Oct 17 j 21:01:20 ● New -54 Jul 03 j 03:21:11 ○ Full -53 Nov 09 j 19:50:14 **●** -55 Feb 24 j 00:25:01 **①** -57 Oct 24 j 19:39:31 **●** -55 Mar 02 j 20:53:10 ● New -54 Jul 10 j 10:34:49 **●** -53 Nov 17 j 03:11:35 ○ Full -54 Jul 17 j 03:55:52 ● New -57 Oct 31 j 20:48:43 ○ Full -55 Mar 09 j 13:18:33 **●** -53 Nov 23 j 18:25:56 **●** -57 Nov 08 j 21:14:32 **●** -55 Mar 17 j 14:04:24 ○ Full -54 Jul 24 j 16:32:00 **●** -53 Dec 01 j 10:14:53 ● New -57 Nov 16 j 10:12:31 ● New -55 Mar 25 j 13:09:22 **●** -54 Aug 01 j 15:56:18 ○ Full -53 Dec 09 j 15:11:01 **●** -57 Nov 23 j 04:05:12 **●** -55 Apr 01 j 04:46:12 ● New -54 Aug 08 j 15:57:01 **①** -53 Dec 16 j 14:40:13 ○ Full -57 Nov 30 j 13:11:15 ○ Full -55 Apr 08 j 02:22:54 **●** -54 Aug 15 j 14:17:45 ● New -53 Dec 23 j 06:00:57 **●** -57 Dec 08 j 18:16:38 **①** -55 Apr 16 j 05:54:31 ○ Full -54 Aug 23 j 11:17:50 **●** -53 Dec 31 j 05:36:55 ● New -57 Dec 15 j 22:20:06 ● New -55 Apr 23 j 22:03:34 **①** -54 Aug 31 j 03:18:01 ○ Full -52 Jan 08 j 07:33:42 **●** -57 Dec 22 j 14:04:19 **●** -55 Apr 30 j 12:14:55 ● New -54 Sep 06 j 22:02:16 **①** -52 Jan 15 j 01:05:00 ○ Full -57 Dec 30 j 07:48:30 ○ Full -55 May 07 j 17:13:47 **●** -54 Sep 14 j 03:28:09 ● New -52 Jan 21 j 20:28:11 **①** -56 Jan 07 j 12:27:38 **①** -54 Sep 22 j 06:50:15 **●** -55 May 15 j 20:02:36 ○ Full -52 Jan 30 j 00:28:56 ● New -56 Jan 14 j 09:25:46 ● New -54 Sep 29 j 14:04:33 ○ Full -55 May 23 j 04:01:16 **①** -52 Feb 06 j 20:07:55 **●** -56 Jan 21 j 02:07:40 **●** -55 May 29 j 20:24:24 ● New -54 Oct 06 j 05:59:47 **●** -52 Feb 13 j 10:47:26 ○ Full -56 Jan 29 j 03:07:12 ○ Full -55 Jun 06 j 09:27:33 **●** -54 Oct 13 j 19:52:59 ● New -52 Feb 20 j 13:13:16 **●** -56 Feb 06 i 02:47:06 **●** -55 Jun 14 i 08:20:36 ○ Full -54 Oct 22 j 01:28:44 € -52 Feb 28 i 17:31:32 ● New -56 Feb 12 i 19:26:22 ● New -55 Jun 21 j 08:26:00 • -54 Oct 29 i 00:51:33 ○ Full -52 Mar 07 i 04:56:59 **●** -56 Feb 19 i 16:27:07 **●** -55 Jun 28 i 06:10:06 ● New -54 Nov 04 i 16:45:33 **①** -52 Mar 13 i 20:25:39 ○ Full -54 Nov 12 j 14:59:33 ● New -56 Feb 27 j 21:10:09 ○ Full -55 Jul 06 i 02:37:28 **●** -52 Mar 21 j 07:09:05 • -56 Mar 06 j 13:16:09 **①** -55 Jul 13 j 18:57:14 ○ Full -54 Nov 20 j 17:50:42 **●** -52 Mar 29 j 08:00:19 ● New -56 Mar 13 j 04:33:28 ● New -55 Jul 20 j 12:55:35 **①** -54 Nov 27 j 11:51:56 ○ Full -52 Apr 05 j 10:55:27 **●** -56 Mar 20 j 08:46:25 **●** -55 Jul 27 i 18:10:07 ● New -54 Dec 04 j 06:52:53 **①** -52 Apr 12 j 06:40:03 ○ Full -56 Mar 28 j 12:37:39 ○ Full -55 Aug 04 j 20:09:29 **●** -54 Dec 12 j 11:03:38 ● New -52 Apr 20 j 01:07:34 **①** -56 Apr 04 j 20:35:29 **●** -55 Aug 12 j 04:20:24 ○ Full -54 Dec 20 j 07:14:44 **●** -52 Apr 27 j 19:43:31 ● New -54 Dec 26 j 22:58:30 ○ Full -56 Apr 11 j 13:25:52 ● New -55 Aug 18 j 19:07:24 **①** -52 May 04 j 15:30:08 **●** -56 Apr 19 j 02:17:50 **●** -55 Aug 26 j 08:42:14 ● New -53 Jan 03 j 00:16:43 **●** -52 May 11 j 18:01:15 ○ Full -56 Apr 27 j 01:14:12 ○ Full -55 Sep 03 j 13:13:53 **●** -53 Jan 11 j 05:53:15 ● New -52 May 19 j 18:18:04 **①** -56 May 04 j 01:49:01 **●** -55 Sep 10 j 13:15:46 ○ Full -53 Jan 18 j 17:39:24 **●** -52 May 27 j 05:00:06 ● New -56 May 10 j 23:02:25 ● New -55 Sep 17 j 04:22:36 **●** -53 Jan 25 j 10:06:57 ○ Full -52 Jun 02 j 20:18:31 **●** -56 May 18 j 19:55:22 **●** -55 Sep 25 j 01:40:07 ● New -53 Feb 01 j 19:58:11 **①** -52 Jun 10 j 06:46:31 ○ Full -56 May 26 j 11:30:38 ○ Full -55 Oct 03 j 04:49:25 **●** -53 Feb 09 j 21:58:08 ● New -52 Jun 18 j 10:05:32 **●** -53 Feb 17 j 01:33:54 **●** -56 Jun 02 j 06:15:43 **●** -55 Oct 09 j 22:35:46 ○ Full -52 Jun 25 j 12:36:36 ● New -56 Jun 09 j 10:20:40 ● New -55 Oct 16 j 17:28:20 **●** -53 Feb 23 j 21:34:24 ○ Full -52 Jul 02 j 02:52:06 **●** -56 Jun 17 j 12:40:27 **●** -55 Oct 24 j 20:23:24 ● New -53 Mar 03 j 16:10:58 **①** -52 Jul 09 j 21:02:17 ○ Full -56 Jun 24 j 20:15:03 ○ Full -55 Nov 01 j 18:06:04 **●** -53 Mar 11 j 10:56:55 ● New -52 Jul 18 j 00:03:38 **●** -56 Jul 01 j 11:24:20 **●** -55 Nov 08 j 09:02:11 ○ Full -53 Mar 18 j 07:50:16 **●** -52 Jul 24 j 19:38:50 ● New -56 Jul 08 j 23:52:42 ● New -55 Nov 15 j 10:24:26 **●** -53 Mar 25 j 09:52:57 ○ Full -52 Jul 31 j 12:23:46 **●**

Phases of Moon from -100 through 00 (UT), Astrodienst AG 18-Feb-2025 13:22, page 10	Phases of Moon	from -100	through 00 (U	T), Astrodienst	AG 18-Feb-2025	5 13:22,	page 10
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Attention, astronomical year style is used: The year -52 in astronomical counting style is the year 53 BCE in historical counting style. -52 Aug 08 j 12:43:39 ○ Full -51 Dec 16 j 05:25:06 **●** -49 Apr 24 j 20:32:23 ● New -48 Aug 30 j 21:57:45 • -51 Dec 24 j 03:51:17 O Full -52 Aug 16 j 11:56:42 **①** -49 May 02 j 23:59:29 **●** -48 Sep 08 j 02:42:13 ● New -51 Dec 31 j 03:25:26 **①** -49 May 09 j 21:19:18 ○ Full -52 Aug 23 j 03:18:42 ● New -48 Sep 15 j 12:35:49 **●** -48 Sep 22 j 05:32:24 ○ Full -52 Aug 30 j 01:37:17 **●** -50 Jan 07 j 03:41:43 ● New -49 May 16 j 12:36:43 **●** -52 Sep 07 j 05:26:14 ○ Full -50 Jan 15 j 03:26:35 **●** -49 May 24 j 11:27:58 ● New -48 Sep 29 j 16:42:00 **①** -52 Sep 14 j 21:49:16 **①** -50 Jan 22 j 17:12:49 ○ Full -49 Jun 01 j 11:46:08 **●** -48 Oct 07 j 18:00:47 ● New -52 Sep 21 j 12:38:30 ● New -50 Jan 29 j 11:19:07 **①** -49 Jun 08 j 03:47:26 ○ Full -48 Oct 14 j 20:16:44 **●** -52 Sep 28 j 18:39:11 **●** -50 Feb 05 j 19:03:35 ● New -49 Jun 14 j 23:35:15 **①** -48 Oct 21 j 17:51:58 ○ Full -52 Oct 06 j 22:19:21 ○ Full -50 Feb 13 j 23:24:28 **●** -49 Jun 23 j 02:22:38 ● New -48 Oct 29 j 14:06:35 **①** -52 Oct 14 j 06:12:40 • -50 Feb 21 j 04:17:52 ○ Full -49 Jun 30 j 20:40:55 **●** -48 Nov 06 j 08:02:02 ● New -52 Oct 21 j 00:16:04 ● New -50 Feb 27 j 19:32:45 **●** -49 Jul 07 j 10:41:03 ○ Full -48 Nov 13 j 04:16:54 **●** -52 Oct 28 j 14:52:18 **●** -50 Mar 07 j 11:33:48 ● New -49 Jul 14 j 13:25:34 **①** -48 Nov 20 j 08:50:41 ○ Full -52 Nov 05 j 14:16:28 ○ Full -50 Mar 15 j 15:48:16 **●** -49 Jul 22 j 16:59:54 ● New -48 Nov 28 j 11:58:19 **①** -52 Nov 12 j 14:01:05 **①** -50 Mar 22 j 13:26:58 ○ Full -49 Jul 30 j 03:29:36 **●** -48 Dec 05 j 20:48:05 ● New -52 Nov 19 j 14:17:37 ● New -50 Mar 29 j 04:57:48 **①** -49 Aug 05 j 19:10:09 ○ Full -48 Dec 12 j 13:21:19 **●** -52 Nov 27 j 12:49:26 **●** -50 Apr 06 j 04:13:36 ● New -49 Aug 13 j 06:06:39 **①** -48 Dec 20 j 02:22:10 ○ Full -52 Dec 05 j 04:25:17 ○ Full -50 Apr 14 j 04:19:25 **●** -49 Aug 21 j 06:58:31 ● New -48 Dec 28 j 07:51:19 ① -52 Dec 11 j 22:16:45 **①** -50 Apr 20 j 21:09:58 ○ Full -49 Aug 28 j 09:21:52 **●** -47 Jan 04 j 08:24:25 ● New -52 Dec 19 i 06:23:00 ● New -50 Apr 27 j 16:19:25 • -49 Sep 04 i 06:06:16 ○ Full -47 Jan 11 j 00:07:20 **●** -52 Dec 27 i 10:19:04 **●** -50 May 05 j 19:56:18 ● New -49 Sep 12 j 01:11:00 **①** -47 Jan 18 j 21:23:52 ○ Full -51 Jan 03 i 16:31:02 ○ Full -50 May 13 i 13:26:57 **●** -49 Sep 19 j 19:58:49 • New -47 Jan 27 j 00:10:28 **①** -51 Jan 10 i 07:49:48 **①** -50 May 20 i 04:13:01 ○ Full -49 Sep 26 i 15:40:48 **●** -47 Feb 02 j 18:49:40 ● New -51 Jan 17 i 23:55:09 ● New -50 May 27 j 06:03:33 **①** -49 Oct 03 j 19:54:11 ○ Full -47 Feb 09 j 12:59:27 **●** -51 Jan 26 i 05:04:06 **●** -50 Jun 04 i 10:02:10 ● New -49 Oct 11 i 21:34:39 ① -47 Feb 17 i 16:06:42 ○ Full -51 Feb 02 j 02:52:24 ○ Full -50 Jun 11 j 20:03:12 **●** -49 Oct 19 j 07:55:52 • New -47 Feb 25 j 12:29:51 **①** -51 Feb 08 j 19:05:19 **①** -50 Jun 18 j 11:40:38 ○ Full -49 Oct 25 j 23:46:40 **●** -47 Mar 04 j 04:08:08 ● New -51 Feb 16 i 18:00:21 ● New -50 Jun 25 j 22:05:04 **①** -49 Nov 02 j 12:28:57 ○ Full -47 Mar 11 j 04:00:35 **●** -51 Feb 24 j 19:39:23 **●** -50 Jul 03 j 22:30:27 ● New -49 Nov 10 j 17:33:52 **①** -47 Mar 19 j 08:49:12 ○ Full -49 Nov 17 j 19:04:25 ● New -51 Mar 03 j 12:02:04 ○ Full -50 Jul 11 j 01:13:23 **●** -47 Mar 26 j 21:14:23 **①** -51 Mar 10 j 08:06:38 **①** -50 Jul 17 j 20:47:13 ○ Full -49 Nov 24 j 10:36:13 **●** -47 Apr 02 j 12:47:26 ● New -51 Mar 18 j 11:26:53 ● New -49 Dec 02 j 07:13:23 ○ Full -47 Apr 09 j 20:43:48 **●** -50 Jul 25 j 15:46:20 **①** -51 Mar 26 j 05:58:27 **●** -49 Dec 10 j 11:12:25 **●** -50 Aug 02 j 09:46:43 ● New -47 Apr 17 j 22:45:36 ○ Full -51 Apr 01 j 20:33:45 ○ Full -50 Aug 09 j 06:13:51 **●** -49 Dec 17 j 05:48:35 ● New -47 Apr 25 j 03:18:39 **①** -51 Apr 08 j 22:47:32 **●** -50 Aug 16 j 08:38:04 ○ Full -49 Dec 24 j 00:25:44 **●** -47 May 01 j 21:40:43 ● New -51 Apr 17 j 03:02:04 ● New -50 Aug 24 j 10:09:49 **●** -48 Jan 01 j 02:52:53 ○ Full -47 May 09 j 14:14:53 **●** -51 Apr 24 j 12:55:32 **●** -50 Aug 31 j 20:22:12 ● New -48 Jan 09 j 01:12:41 **①** -47 May 17 j 10:07:31 ○ Full -51 May 01 j 05:02:10 ○ Full -50 Sep 07 j 12:30:20 **●** -48 Jan 15 j 16:26:32 ● New -47 May 24 j 07:55:10 **①** -51 May 08 j 14:55:58 **①** -50 Sep 14 j 23:42:43 ○ Full -48 Jan 22 j 16:50:56 **●** -47 May 31 j 07:51:31 ● New -51 May 16 j 16:03:46 ● New -50 Sep 23 j 04:14:00 **①** -48 Jan 30 j 21:41:50 ○ Full -47 Jun 08 j 07:31:31 **●** -51 May 23 j 17:53:21 **●** -50 Sep 30 j 06:40:36 ● New -48 Feb 07 j 11:25:56 **①** -47 Jun 15 j 19:37:08 ○ Full -51 May 30 j 14:09:23 ○ Full -50 Oct 06 j 21:28:26 **●** -48 Feb 14 j 03:06:00 ● New -47 Jun 22 j 12:28:52 • -51 Jun 07 j 08:05:57 **①** -47 Jun 29 j 20:09:50 ● New -50 Oct 14 j 17:33:55 ○ Full -48 Feb 21 j 11:01:37 **●** -51 Jun 15 j 02:38:54 ● New -50 Oct 22 j 20:59:49 **●** -48 Feb 29 j 14:00:05 ○ Full -47 Jul 07 j 23:46:18 **●** -51 Jun 21 j 22:20:44 **●** -50 Oct 29 j 16:57:42 ● New -48 Mar 07 j 18:41:06 **①** -47 Jul 15 j 04:02:51 ○ Full -51 Jun 29 j 00:46:32 ○ Full -50 Nov 05 j 10:12:11 **●** -48 Mar 14 j 13:54:01 ● New -47 Jul 21 j 18:31:29 • -51 Jul 07 i 01:30:27 • -50 Nov 13 j 12:52:39 ○ Full -48 Mar 22 j 05:53:42 **●** -47 Jul 29 j 10:50:35 ● New -51 Jul 14 i 11:35:26 ● New -50 Nov 21 j 11:33:01 **①** -48 Mar 30 i 02:58:54 ○ Full -47 Aug 06 j 14:34:34 € -51 Jul 21 i 03:42:28 **●** -50 Nov 28 i 03:29:05 ● New -48 Apr 06 i 00:14:54 **①** -47 Aug 13 j 12:09:20 ○ Full -48 Apr 13 j 01:09:19 ● New -51 Jul 28 i 13:43:33 ○ Full -50 Dec 05 i 02:53:05 **●** -47 Aug 20 j 03:31:45 • -51 Aug 05 j 18:10:11 **①** -50 Dec 13 j 08:01:06 ○ Full -48 Apr 21 j 00:14:41 **●** -47 Aug 28 j 03:26:15 ● New -51 Aug 12 j 19:58:23 ● New -50 Dec 20 j 23:17:15 **①** -48 Apr 28 j 12:54:45 ○ Full -47 Sep 05 j 03:45:38 **●** -50 Dec 27 j 14:35:33 ● New -51 Aug 19 j 11:15:33 **●** -48 May 05 j 05:28:23 **①** -47 Sep 11 j 20:38:46 ○ Full -51 Aug 27 j 05:25:05 ○ Full -49 Jan 03 j 22:31:31 **●** -48 May 12 j 13:23:08 ● New -47 Sep 18 j 16:35:49 **①** -51 Sep 04 j 09:15:32 **●** -49 Jan 12 j 01:34:55 ○ Full -47 Sep 26 j 21:00:24 ● New -51 Sep 11 j 04:45:37 ● New -49 Jan 19 j 08:14:28 **①** -48 May 27 j 20:47:26 ○ Full -47 Oct 04 j 15:13:27 **●** -51 Sep 17 j 22:05:50 **●** -49 Jan 26 j 02:38:16 ● New -48 Jun 03 j 11:36:40 **①** -47 Oct 11 j 06:14:30 ○ Full -51 Sep 25 j 23:22:43 ○ Full -49 Feb 02 j 19:16:40 **●** -48 Jun 11 j 03:04:17 ● New -47 Oct 18 j 09:58:17 **①** -48 Jun 19 j 07:09:48 **●** -51 Oct 03 j 22:22:25 **①** -49 Feb 10 j 16:36:43 ○ Full -47 Oct 26 j 14:30:59 ● New -51 Oct 10 j 14:32:34 ● New -49 Feb 17 j 15:10:58 **●** -48 Jun 26 j 03:49:40 ○ Full -47 Nov 03 j 00:59:31 **●** -51 Oct 17 j 12:57:17 **●** -49 Feb 24 j 15:46:44 ● New -48 Jul 02 j 19:47:26 **①** -47 Nov 09 j 17:38:22 ○ Full -51 Oct 25 j 18:10:28 ○ Full -49 Mar 04 j 15:15:01 **●** -48 Jul 10 j 18:17:25 ● New -47 Nov 17 j 06:40:17 **①** -51 Nov 02 j 09:32:12 **●** -49 Mar 12 j 04:41:18 ○ Full -48 Jul 18 j 18:50:48 **●** -47 Nov 25 j 07:03:36 ● New -51 Nov 09 j 01:32:54 ● New -49 Mar 18 j 21:21:52 **①** -48 Jul 25 j 11:06:32 ○ Full -47 Dec 02 j 09:25:34 **●** -51 Nov 16 j 07:48:22 **●** -49 Mar 26 j 05:51:46 ● New -48 Aug 01 j 07:00:16 **①** -47 Dec 09 j 07:16:38 ○ Full -51 Nov 24 j 12:03:37 ○ Full -49 Apr 03 j 09:04:30 **●** -48 Aug 09 j 10:29:49 ● New -47 Dec 17 j 04:42:29 **①** -51 Dec 01 j 19:03:12 • -49 Apr 10 j 14:00:10 ○ Full -48 Aug 17 j 04:24:18 **●** -47 Dec 24 j 21:52:21 ● New -51 Dec 08 j 13:52:44 ● New -49 Apr 17 j 04:07:43 **①** -48 Aug 23 j 19:28:06 ○ Full -47 Dec 31 j 17:19:29 **●**

Phases of Moon	from -100 through 00	(UT), Astrodienst AG 18-Feb-2	2025 13:22, page 11
1 110000	110111 100 11110 11511 00		-0-0 10:, page 11

Attention, astronomical year style is used: The year -46 in astronomical counting style is the year 47 BCE in historical counting style. -46 Jan 07 i 23:00:45 ○ Full -44 Sep 22 j 22:09:37 ● New -45 May 17 j 07:09:53 **●** -42 Jan 30 j 17:28:59 **①** -45 May 25 j 08:58:42 ○ Full -44 Sep 30 j 16:13:20 **●** -46 Jan 16 j 01:50:59 **①** -42 Feb 07 j 12:45:12 ● New -46 Jan 23 j 10:24:53 ● New -44 Oct 08 j 12:09:36 ○ Full -45 Jun 02 j 04:41:14 **①** -42 Feb 15 j 16:48:56 **●** -42 Feb 22 j 11:43:30 ○ Full -46 Jan 30 j 01:43:21 **●** -45 Jun 08 j 19:31:06 ● New -44 Oct 15 j 10:08:25 **①** -46 Feb 06 j 16:01:56 ○ Full -45 Jun 15 j 19:45:27 **●** -44 Oct 22 j 12:04:40 ● New -42 Mar 01 j 05:17:22 **①** -46 Feb 14 j 20:18:27 **①** -45 Jun 23 j 23:47:05 ○ Full -44 Oct 30 j 13:21:42 **●** -42 Mar 09 j 06:27:21 ● New -46 Feb 21 j 20:35:57 ● New -45 Jul 01 j 11:35:21 **①** -44 Nov 07 j 01:23:02 ○ Full -42 Mar 17 j 05:11:04 **●** -46 Feb 28 j 11:31:45 **●** -45 Jul 08 j 03:15:25 ● New -44 Nov 13 j 18:11:18 **①** -42 Mar 23 j 20:18:24 ○ Full -46 Mar 08 j 09:12:05 ○ Full -45 Jul 15 j 11:05:34 **●** -44 Nov 21 j 05:01:58 ● New -42 Mar 30 j 18:47:50 **①** -46 Mar 16 j 11:01:53 • -45 Jul 23 j 13:19:40 ○ Full -44 Nov 29 j 09:50:58 **●** -42 Apr 07 j 22:57:36 ● New -46 Mar 23 j 04:54:40 ● New -45 Jul 30 j 17:15:56 **①** -44 Dec 06 j 13:31:20 ○ Full -42 Apr 15 j 13:39:34 **●** -46 Mar 29 j 23:14:56 **●** -45 Aug 06 j 12:33:54 ● New -44 Dec 13 j 04:18:09 **①** -42 Apr 22 j 04:32:03 ○ Full -46 Apr 07 j 01:33:16 ○ Full -45 Aug 14 j 05:01:51 **●** -44 Dec 20 j 23:56:11 ● New -42 Apr 29 j 09:56:37 **①** -46 Apr 14 j 21:47:09 ① -45 Aug 22 j 01:31:06 ○ Full -44 Dec 29 j 03:58:21 **●** -42 May 07 j 13:16:46 ● New -46 Apr 21 j 12:16:57 ● New -45 Aug 28 j 23:00:29 **●** -43 Jan 05 j 00:25:08 ○ Full -42 May 14 j 19:26:28 **●** -46 Apr 28 j 12:55:46 **●** -45 Sep 05 j 00:18:48 ● New -43 Jan 11 j 17:07:04 **①** -42 May 21 j 13:04:14 ○ Full -46 May 06 j 16:30:18 ○ Full -45 Sep 13 j 00:37:13 **●** -43 Jan 19 j 19:07:15 ● New -42 May 29 j 02:30:37 **●** -46 May 14 j 05:06:58 **①** -45 Sep 20 j 12:47:14 ○ Full -43 Jan 27 j 18:31:26 **●** -42 Jun 06 j 01:06:13 ● New -46 May 20 j 19:49:42 ● New -45 Sep 27 j 06:01:06 **①** -43 Feb 03 j 10:15:49 ○ Full -42 Jun 12 j 23:59:15 **●** -46 May 28 i 04:19:01 **●** -45 Oct 04 i 15:11:11 ● New -43 Feb 10 j 08:30:28 **①** -42 Jun 19 i 22:43:27 ○ Full -46 Jun 05 i 05:47:01 ○ Full -45 Oct 12 j 20:13:26 **●** -43 Feb 18 j 13:03:28 ● New -42 Jun 27 j 19:56:21 **①** -46 Jun 12 j 10:10:47 ① -45 Oct 19 j 23:45:01 O Full -43 Feb 26 i 05:06:46 **●** -42 Jul 05 j 10:54:01 ● New -46 Jun 19 i 04:35:45 ● New -45 Oct 26 j 15:19:37 • -43 Mar 04 j 19:36:56 ○ Full -42 Jul 12 i 04:45:15 **●** -46 Jun 26 j 21:02:12 **●** -45 Nov 03 j 09:10:28 ● New -43 Mar 12 j 01:38:37 **①** -42 Jul 19 j 10:23:38 ○ Full -46 Jul 04 j 17:22:07 ○ Full -45 Nov 11 j 14:08:49 **●** -43 Mar 20 j 04:45:23 ● New -42 Jul 27 j 13:18:23 **①** -46 Jul 11 j 14:30:03 • -45 Nov 18 j 10:47:13 O Full -43 Mar 27 j 12:16:22 **●** -42 Aug 03 j 19:38:03 ● New -46 Jul 18 j 15:23:34 ● New -45 Nov 25 j 03:40:47 **①** -43 Apr 03 j 05:12:29 ○ Full -42 Aug 10 j 11:05:38 **●** -46 Jul 26 j 14:36:47 **●** -45 Dec 03 j 05:05:02 ● New -43 Apr 10 j 19:26:04 **①** -42 Aug 18 j 00:46:36 ○ Full -42 Aug 26 j 05:35:56 **①** -46 Aug 03 j 03:31:11 ○ Full -45 Dec 11 j 05:15:51 **●** -43 Apr 18 j 17:47:10 ● New -46 Aug 09 j 19:43:35 **●** -45 Dec 17 j 21:52:35 ○ Full -43 Apr 25 j 17:14:54 **●** -42 Sep 02 j 04:20:29 ● New -46 Aug 17 j 04:41:54 ● New -43 May 02 j 15:42:11 ○ Full -42 Sep 08 j 20:12:16 **●** -45 Dec 24 j 19:20:11 **①** -46 Aug 25 j 08:19:40 **●** -43 May 10 j 12:57:15 **①** -44 Jan 02 j 00:46:45 ● New -42 Sep 16 j 17:53:06 ○ Full -46 Sep 01 j 12:49:04 ○ Full -44 Jan 09 j 17:12:23 **●** -43 May 18 j 04:13:22 ● New -42 Sep 24 j 20:05:38 **①** -46 Sep 08 j 03:22:24 **①** -44 Jan 16 j 08:51:44 ○ Full -43 May 24 j 21:37:50 **●** -42 Oct 01 j 13:46:34 ● New -46 Sep 15 j 20:36:58 ● New -44 Jan 23 j 13:48:02 **●** -43 Jun 01 j 03:33:11 ○ Full -42 Oct 08 j 09:01:21 **●** -46 Sep 24 j 01:09:10 **●** -44 Jan 31 j 18:17:25 ● New -43 Jun 09 j 05:32:27 **●** -42 Oct 16 j 12:41:32 ○ Full -46 Sep 30 j 22:04:01 ○ Full -44 Feb 08 j 02:13:48 **●** -43 Jun 16 j 12:37:10 • New -42 Oct 24 j 08:31:35 **●** -46 Oct 07 j 14:32:05 **●** -44 Feb 14 j 19:51:43 ○ Full -43 Jun 23 j 03:02:33 **●** -42 Oct 31 j 00:16:44 ● New -46 Oct 15 j 14:45:18 • New -44 Feb 22 j 09:42:34 **①** -43 Jun 30 j 16:59:44 ○ Full -42 Nov 07 j 01:56:22 **●** -46 Oct 23 j 16:00:10 **●** -44 Mar 01 j 08:42:57 ● New -43 Jul 08 j 20:40:41 **①** -42 Nov 15 j 07:25:24 ○ Full -46 Oct 30 j 08:02:40 ○ Full -44 Mar 08 j 09:03:09 **●** -43 Jul 15 j 19:55:18 ● New -42 Nov 22 j 19:00:44 ① -44 Mar 15 j 07:22:27 ○ Full -46 Nov 06 j 05:35:45 **●** -43 Jul 22 j 10:54:02 **●** -42 Nov 29 j 11:56:09 ● New -46 Nov 14 j 10:02:41 ● New -44 Mar 23 j 05:13:12 **①** -43 Jul 30 j 08:04:25 ○ Full -42 Dec 06 j 22:20:43 **●** -46 Nov 22 j 04:13:40 **●** -44 Mar 30 j 20:11:09 ● New -43 Aug 07 j 09:56:42 **①** -42 Dec 15 j 00:28:11 ○ Full -46 Nov 28 j 19:12:49 ○ Full -44 Apr 06 j 14:43:30 **●** -43 Aug 14 j 03:17:15 ● New -42 Dec 22 j 03:55:40 **●** -46 Dec 06 i 00:06:35 **①** -44 Apr 13 j 19:58:30 ○ Full -43 Aug 20 j 22:12:54 **●** -42 Dec 29 i 00:51:26 ● New -46 Dec 14 i 04:47:31 ● New -44 Apr 21 j 22:46:57 **①** -43 Aug 29 j 00:33:11 ○ Full -41 Jan 05 j 20:22:56 **●** -46 Dec 21 i 13:55:35 **●** -44 Apr 29 i 05:20:15 ● New -43 Sep 05 j 21:08:46 **①** -41 Jan 13 i 15:03:38 ○ Full -46 Dec 28 i 07:36:19 ○ Full -44 May 05 j 20:30:52 **●** -43 Sep 12 j 11:50:18 ● New -41 Jan 20 j 11:51:40 • -44 May 13 j 09:54:03 ○ Full -43 Sep 19 j 13:25:10 **●** -41 Jan 27 j 15:13:02 ● New -45 Jan 04 j 20:52:28 **①** -44 May 21 j 13:39:22 **①** -45 Jan 12 j 21:17:49 • New -43 Sep 27 j 17:45:34 ○ Full -41 Feb 04 j 17:31:06 **●** -45 Jan 19 j 21:50:44 € -44 May 28 j 12:56:41 ● New -43 Oct 05 j 06:29:42 • -41 Feb 12 j 03:10:13 ○ Full -45 Jan 26 j 20:59:20 ○ Full -44 Jun 04 j 03:45:50 **●** -43 Oct 11 j 22:23:37 ● New -41 Feb 18 j 19:35:10 **①** -45 Feb 03 j 18:07:06 **①** -44 Jun 12 j 00:51:45 ○ Full -43 Oct 19 j 08:15:02 **●** -41 Feb 26 j 06:56:31 ● New -45 Feb 11 j 10:40:02 ● New -44 Jun 20 j 01:50:29 **①** -43 Oct 27 j 10:35:17 ○ Full -41 Mar 06 j 11:43:10 **●** -44 Jun 26 j 19:50:05 ● New -45 Feb 18 j 05:01:15 **●** -43 Nov 03 j 14:39:51 **①** -41 Mar 13 j 13:06:32 ○ Full -44 Jul 03 j 13:42:24 **●** -45 Feb 25 j 11:10:05 ○ Full -43 Nov 10 j 11:16:36 ● New -41 Mar 20 j 03:59:47 **①** -45 Mar 05 j 13:50:59 **●** -44 Jul 11 j 16:14:00 ○ Full -43 Nov 18 j 05:38:39 **●** -41 Mar 27 j 23:23:50 ● New -45 Mar 12 j 21:03:58 ● New -44 Jul 19 j 11:44:29 **●** -43 Nov 26 j 01:54:06 ○ Full -41 Apr 05 j 02:07:58 **●** -45 Mar 19 j 12:26:31 **●** -44 Jul 26 j 02:56:52 ● New -43 Dec 02 j 22:37:41 **①** -41 Apr 11 j 21:19:36 ○ Full -45 Mar 27 j 02:03:43 ○ Full -44 Aug 02 j 03:11:03 **●** -43 Dec 10 j 02:19:18 ● New -41 Apr 18 j 13:58:40 **①** -45 Apr 04 j 06:28:04 **●** -44 Aug 10 j 07:25:35 ○ Full -43 Dec 18 j 03:42:24 **●** -41 Apr 26 j 15:32:22 ● New -45 Apr 11 j 05:19:59 ● New -44 Aug 17 j 19:55:24 **①** -43 Dec 25 j 15:04:40 ○ Full -41 May 04 j 12:54:44 **●** -44 Aug 24 j 11:21:43 ● New -41 May 11 j 04:28:37 O Full -45 Apr 17 j 20:55:37 **●** -42 Jan 01 j 07:21:00 **●** -45 Apr 25 j 17:29:41 ○ Full -44 Aug 31 j 20:18:02 **●** -42 Jan 08 j 19:02:51 ● New -41 May 18 j 02:13:06 **●** -45 May 03 j 19:18:20 **①** -44 Sep 08 j 22:06:58 ○ Full -42 Jan 17 j 00:04:34 **●** -41 May 26 j 06:27:49 ● New -45 May 10 j 12:29:51 ● New -44 Sep 16 j 03:05:13 **①** -42 Jan 24 j 02:11:08 ○ Full -41 Jun 02 j 20:45:27 **●**

Phases of Moon	from -100	through 00 ((UT) Astrodier	st AG 18-Feb-20	25 13.22	page 12
I mases of whom	110111 - 100	unougn oo i	(OI), Ashould	131 110 10-1 00-20	145 15.44,	page 12

	used: The year -41 in astronomical countin	g style is the year 42 BCE in historical cou	nting style.
-41 Jun 09 j 11:30:22 O Full	-40 Oct 15 j 23:52:19 ©	-38 Feb 23 j 03:45:01 ● New	-37 Jul 02 j 16:15:56 Φ
-41 Jun 16 j 16:58:42 ①	-40 Oct 23 j 07:55:29 ○ Full	-38 Mar 02 j 00:01:28 ●	-37 Jul 09 j 13:17:13 ● New
-41 Jun 24 j 19:49:49 ● New	-40 Oct 31 j 11:40:54 ①	-38 Mar 10 j 04:22:37 ○ Full	-37 Jul 17 j 08:55:45 €
-41 Jul 02 j 02:38:01 ©	-40 Nov 07 j 17:57:56 ● New	-38 Mar 17 j 21:14:23 ●	-37 Jul 25 j 02:16:46 ○ Full
-41 Jul 08 j 19:36:25 ○ Full	-40 Nov 14 j 09:16:16 ●	-38 Mar 24 j 12:25:12 ● New	-37 Jul 31 j 20:55:38 ●
-41 Jul 16 j 09:56:22 ●	-40 Nov 22 j 01:42:54 ○ Full	-38 Mar 31 j 15:37:03 ●	-37 Aug 08 j 01:19:31 ● New
-41 Jul 24 j 07:51:04 ● New	-40 Nov 30 j 06:55:43 ●	-38 Apr 08 j 19:37:32 ○ Full	-37 Aug 16 j 02:55:01 ●
-41 Jul 31 j 07:41:37 ●	-40 Dec 07 j 04:56:24 ● New	-38 Apr 16 j 04:28:18 ●	-37 Aug 23 j 12:10:13 ○ Full
-41 Aug 07 j 05:59:49 ○ Full	-40 Dec 13 j 21:29:33 ●	-38 Apr 22 j 20:50:21 ● New	-37 Aug 30 j 03:16:16 ①
-41 Aug 15 j 04:16:45 Φ	-40 Dec 21 j 21:03:39 ○ Full	-38 Apr 30 j 08:36:10 ●	-37 Sep 06 j 16:02:31 ● New
-41 Aug 22 j 18:59:31 ● New	-40 Dec 29 j 22:57:31 ①	-38 May 08 j 08:12:07 ○ Full	-37 Sep 14 j 20:40:02 ●
-41 Aug 29 j 13:16:24 ●	-39 Jan 05 j 15:32:29 ● New	-38 May 15 j 09:36:45	-37 Sep 21 j 21:34:51 ○ Full
-41 Sep 05 j 19:31:29 ○ Full	-39 Jan 12 j 12:27:11 ●	-38 May 22 j 06:03:35 ● New	-37 Sep 28 j 12:37:39 ①
-41 Sep 13 j 22:56:01 ①	-39 Jan 20 j 16:25:54 ○ Full	-38 May 30 j 02:01:49	-37 Oct 06 j 09:17:45 ● New
-41 Sep 21 j 05:40:22 ● New	-39 Jan 28 j 11:01:53 ●	-38 Jun 06 j 18:36:27 ○ Full	-37 Oct 14 j 12:58:35 ●
-41 Sep 27 j 20:48:38 ●	-39 Feb 04 j 01:59:42 ● New	-38 Jun 13 j 13:59:08 ●	-37 Oct 21 j 07:17:39 ○ Full
-41 Oct 05 j 12:13:15 ○ Full	-39 Feb 11 j 05:32:42 ●	-38 Jun 20 j 17:06:46 ● New	-37 Oct 28 j 01:44:36 ①
-41 Oct 13 j 16:48:40 ①	-39 Feb 19 j 10:02:40 ○ Full	-38 Jun 28 j 18:58:06 ●	-37 Nov 05 j 04:20:22 ● New
-41 Oct 20 j 16:09:24 ● New	-39 Feb 26 j 19:33:38 ●	-38 Jul 06 j 03:36:56 ○ Full	-37 Nov 13 j 02:49:33 ●
-41 Oct 27 j 07:35:23 ●	-39 Mar 05 j 12:26:19 ● New	-38 Jul 12 j 19:04:46 ●	-37 Nov 19 j 17:55:06 ○ Full
-41 Nov 04 j 07:07:20 ○ Full	-39 Mar 12 j 23:53:05 ●	-38 Jul 20 j 06:36:27 ● New	-37 Nov 26 j 18:34:00 ●
-41 Nov 12 j 08:51:49 ①	-39 Mar 21 j 00:37:23 ○ Full	-38 Jul 28 j 10:47:15 ●	-37 Dec 04 j 23:42:15 ● New
-41 Nov 19 j 02:38:12 ● New	-39 Mar 28 j 01:40:46 ●	-38 Aug 04 j 11:59:02 ○ Full	-37 Dec 12 j 13:52:21 ●
-41 Nov 25 j 22:16:42 ●	-39 Apr 03 j 23:07:36 ● New	-38 Aug 11 j 02:25:54 ●	-37 Dec 19 j 05:39:58 ○ Full
-41 Dec 04 j 02:37:56 ○ Full	-39 Apr 11 j 18:25:02 ●	-38 Aug 18 j 22:26:52 ● New	-37 Dec 26 j 14:14:58 ●
-41 Dec 11 j 22:13:39 ●	-39 Apr 19 j 11:56:18 ○ Full	-38 Aug 27 j 01:09:02 ●	-36 Jan 03 j 17:32:53 ● New
-41 Dec 18 j 13:23:01 ● New	-39 Apr 26 j 06:45:44 ①	-38 Sep 02 j 20:23:43 ○ Full	-36 Jan 10 j 22:33:41 ●
-41 Dec 25 j 16:28:07 ●	-39 May 03 j 10:32:55 ● New	-38 Sep 09 j 13:23:24 ●	-36 Jan 17 j 18:23:59 ○ Full
-40 Jan 02 j 21:09:20 ○ Full	-39 May 11 j 11:59:27 ●	-38 Sep 17 j 15:52:00 ● New	-36 Jan 25 j 11:18:17 ●
-40 Jan 10 j 08:33:27 Φ	-39 May 18 j 20:41:54 O Full	-38 Sep 25 j 13:50:43 ●	-36 Feb 02 j 08:29:23 ● New
-40 Jan 17 j 00:45:53 • New	-39 May 25 j 12:08:46 ①	-38 Oct 02 j 05:31:01 ○ Full	-36 Feb 09 j 05:50:45 ©
-40 Jan 24 j 12:40:57 ●	-39 Jun 01 j 23:18:03 ● New	-38 Oct 09 j 04:41:01 ①	-36 Feb 16 j 07:54:48 O Full
-40 Feb 01 j 13:29:48 O Full	-39 Jun 10 j 03:37:09 ●	-38 Oct 17 j 09:46:29 ● New	-36 Feb 24 j 07:50:59 ①
-40 Feb 08 j 16:16:56 ①	-39 Jun 17 j 04:03:48 O Full	-38 Oct 25 j 00:43:53 ●	-36 Mar 02 j 20:12:22 ● New
-40 Feb 15 j 13:05:27 ● New	-39 Jun 23 j 19:02:54 ①	-38 Oct 31 j 16:01:54 O Full	-36 Mar 09 j 12:47:53 ●
-40 Feb 23 j 09:01:06 ●	-39 Jul 01 j 13:45:03 • New	-38 Nov 07 j 23:56:24 ①	-36 Mar 16 j 22:08:41 ○ Full
-40 Mar 02 j 02:58:43 O Full	-39 Jul 09 j 16:48:32 ©	-38 Nov 16 j 03:07:07 ● New	-36 Mar 25 j 02:04:00 ①
-40 Mar 08 j 22:29:27 ①	-39 Jul 16 j 11:12:24 ○ Full	-38 Nov 23 j 09:55:07	-36 Apr 01 j 05:17:53 ● New
-40 Mar 16 j 02:25:30 ● New	-39 Jul 23 j 04:33:43 ①	·	-36 Apr 07 j 20:22:09 ①
-40 Mar 24 j 03:53:03 ●	-39 Jul 31 j 05:41:31 • New	-38 Dec 07 j 21:34:40 ①	-36 Apr 15 j 13:04:44 O Full
-40 Mar 31 j 13:30:59 ○ Full	-39 Aug 08 j 03:40:19 ©	-38 Dec 15 j 19:00:15 • New	-36 Apr 23 j 16:48:40 ①
-40 Apr 07 j 04:33:44 1	-39 Aug 14 j 19:04:33 O Full	-38 Dec 22 j 17:58:05 €	-36 Apr 30 j 12:46:59 • New
-40 Apr 14 j 16:34:06 ● New	-39 Aug 21 j 17:35:23 ①	-38 Dec 29 j 19:07:00 ○ Full	-36 May 07 j 05:21:37 ①
-40 Apr 22 j 20:16:18	-39 Aug 29 j 22:16:53 ● New -39 Sep 06 j 12:46:05 ●	-37 Jan 06 j 19:22:33 ① -37 Jan 14 j 08:44:01 ● New	-36 May 15 j 04:28:14 ○ Full -36 May 23 j 03:55:49 ◆
	-39 Sep 13 j 04:21:41 ○ Full	-37 Jan 21 j 01:50:28 €	
-40 May 06 j 11:48:23	-39 Sep 20 j 10:34:07 ①	-37 Jan 28 j 11:23:07 ○ Full	-36 May 29 j 19:41:50 ● New -36 Jun 05 j 16:28:47 ●
-40 May 14 j 07.13.31	-39 Sep 28 j 14:25:54 • New	-37 Feb 05 j 15:17:09 ①	-36 Jun 13 j 19:43:24 O Full
-40 May 29 j 04:20:02 ○ Full	-39 Oct 05 j 20:51:51 • New	-37 Feb 03 j 13.17.09	-36 Jun 21 j 12:05:51 ①
-40 Jun 04 j 21:14:28 ●	-39 Oct 12 j 15:35:59 ○ Full	-37 Feb 19 j 10:34:53 €	-36 Jun 28 j 02:57:35 ● New
-40 Jun 12 j 22:08:26 ● New	-39 Oct 20 j 06:59:07 ●	-37 Feb 19 J 10.34.33 C -37 Feb 27 j 04:20:32 O Full	-36 Jul 05 j 06:18:20 ●
-40 Jun 20 j 20:09:58 ●	-39 Oct 28 j 05:23:14 • New	-37 Mar 07 j 07:54:16 ●	-36 Jul 13 j 10:07:06 O Full
-40 Jun 27 j 10:51:56 ○ Full	-39 Nov 04 j 04:45:40 ©	-37 Mar 14 j 04:59:05 ● New	-36 Jul 20 j 18:25:53 ●
-40 Jul 04 j 09:29:23 ①	-39 Nov 11 j 05:14:44 O Full	-37 Mar 20 j 20:58:03 €	-36 Jul 27 j 11:24:53 ● New
-40 Jul 12 j 13:04:03 ● New	-39 Nov 19 j 05:04:05 ①	-37 Mar 28 j 20:58:08 ○ Full	-36 Aug 03 j 23:02:43 ●
-40 Jul 20 j 04:08:44 ©	-39 Nov 26 j 18:56:28 ● New	-37 Apr 05 j 20:36:44 ①	-36 Aug 11 j 23:14:16 O Full
-40 Jul 26 j 18:28:31 O Full	-39 Dec 03 j 13:13:12 ©	-37 Apr 12 j 12:31:36 ● New	-36 Aug 19 j 00:11:17 ①
-40 Aug 03 j 00:45:56 ①	-39 Dec 10 j 21:29:03 ○ Full	-37 Apr 19 j 09:20:27 ©	-36 Aug 25 j 21:54:58 ● New
-40 Aug 11 j 03:39:43 ● New	-39 Dec 19 j 02:17:39 ①	-37 Apr 27 j 12:32:52 ○ Full	-36 Sep 02 j 18:10:24 ●
-40 Aug 18 j 10:34:04 €	-39 Dec 26 j 07:09:59 • New	-37 May 05 j 05:34:59 ①	-36 Sep 10 j 11:12:11 O Full
-40 Aug 25 j 04:11:15 O Full	-38 Jan 01 j 22:55:29 ©	-37 May 11 j 19:41:52 ● New	-36 Sep 17 j 06:35:18 ①
-40 Sep 01 j 18:51:16 ①	-38 Jan 09 j 15:46:59 ○ Full	-37 May 18 j 23:39:16 ●	-36 Sep 24 j 11:15:52 • New
-40 Sep 09 j 17:29:38 ● New	-38 Jan 17 j 20:32:34 ●	-37 May 27 j 02:41:25 ○ Full	-36 Oct 02 j 14:17:15 •
-40 Sep 16 j 16:41:19 ①	-38 Jan 24 j 18:05:46 ● New	-37 Jun 03 j 11:41:00 ①	-36 Oct 09 j 22:31:32 ○ Full
-40 Sep 23 j 16:37:31 O Full	-38 Jan 31 j 10:25:32 ●	-37 Jun 10 j 03:37:51 ● New	-36 Oct 16 j 14:43:26 ①
-40 Oct 01 j 14:59:15 ●	-38 Feb 08 j 10:41:10 ○ Full	-37 Jun 17 j 15:38:43 ●	-36 Oct 24 j 03:50:47 ● New
-40 Oct 09 j 06:15:19 ● New	-38 Feb 16 j 10:50:06 Φ	-37 Jun 25 j 15:14:35 ○ Full	-36 Nov 01 j 09:32:03 ●

Phases of Moon from -100 through 00 (UT), Astrodienst AG 18-Feb-2025 13:22, page 13	Phases of Moon	from	-100 through 00 (UT)	Astrodienst AG 18-Feb-2025	13:22,	page 13
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Attention, astronomical year style is used: The year -36 in astronomical counting style is the year 37 BCE in historical counting style. -36 Nov 08 i 09:41:25 ○ Full -34 Mar 18 j 13:06:48 **●** -33 Jul 25 j 19:04:36 ● New -32 Dec 01 j 20:16:16 ① -34 Mar 25 j 04:12:13 ○ Full -36 Nov 15 j 01:28:16 **①** -33 Aug 01 j 11:36:11 **●** -32 Dec 08 j 12:24:45 ● New -36 Nov 22 j 23:03:54 ● New -34 Apr 01 j 13:51:04 **①** -33 Aug 08 j 20:44:24 ○ Full -32 Dec 15 j 11:07:24 **●** -36 Dec 01 j 02:21:57 **●** -34 Apr 09 j 15:10:27 ● New -33 Aug 17 j 01:07:27 **●** -32 Dec 23 j 16:09:53 ○ Full -36 Dec 07 j 20:49:42 ○ Full -34 Apr 16 j 18:55:18 **●** -33 Aug 24 j 03:54:15 ● New -32 Dec 31 j 08:12:27 **●** -36 Dec 14 j 15:20:46 **①** -34 Apr 23 j 13:55:50 ○ Full -33 Aug 30 j 19:14:00 **●** -31 Jan 06 j 23:19:27 ● New -36 Dec 22 j 19:08:25 ● New -34 May 01 j 07:24:11 **①** -33 Sep 07 j 12:39:34 ○ Full -31 Jan 14 j 06:20:05 **●** -36 Dec 30 j 16:00:03 **●** -34 May 09 j 02:51:58 ● New -33 Sep 15 j 16:56:43 **①** -31 Jan 22 j 09:41:14 ○ Full -35 Jan 06 j 07:47:09 ○ Full -34 May 15 j 23:18:44 **●** -33 Sep 22 j 13:07:29 ● New -31 Jan 29 j 17:05:54 **①** -35 Jan 13 j 08:16:24 **①** -34 May 23 j 00:51:58 ○ Full -33 Sep 29 j 06:08:23 **●** -31 Feb 05 j 10:55:33 ● New -35 Jan 21 j 13:52:07 ● New -34 May 31 j 00:29:59 **●** -33 Oct 07 j 06:59:42 ○ Full -31 Feb 13 j 02:35:00 **●** -35 Jan 29 j 02:24:28 **●** -34 Jun 07 j 12:15:21 ● New -33 Oct 15 j 06:46:02 **●** -31 Feb 21 j 00:34:20 ○ Full -35 Feb 04 j 18:31:35 ○ Full -34 Jun 14 j 03:56:06 **●** -33 Oct 21 j 23:14:27 ● New -31 Feb 27 j 23:45:42 **①** -35 Feb 12 j 03:21:57 • -34 Jun 21 j 13:23:30 ○ Full -33 Oct 28 j 21:01:13 **●** -31 Mar 06 j 23:27:56 ● New -35 Feb 20 j 05:47:02 ● New -34 Jun 29 j 16:34:17 **①** -33 Nov 06 j 02:12:17 ○ Full -31 Mar 14 j 22:07:52 **●** -35 Feb 27 j 10:06:49 **●** -34 Jul 06 j 20:05:33 ● New -33 Nov 13 j 18:27:21 **①** -31 Mar 22 j 12:27:34 ○ Full -35 Mar 06 j 05:25:09 ○ Full -34 Jul 13 j 10:21:11 **●** -33 Nov 20 j 10:22:58 ● New -31 Mar 29 j 05:30:49 **①** -35 Mar 13 j 23:01:39 **①** -34 Jul 21 j 03:40:45 ○ Full -33 Nov 27 j 15:48:08 **●** -31 Apr 05 j 12:56:01 ● New -35 Mar 21 j 18:34:53 ● New -34 Jul 29 j 07:06:20 **●** -33 Dec 05 j 20:24:13 ○ Full -31 Apr 13 j 15:44:21 **●** -35 Mar 28 i 16:02:49 **●** -34 Aug 05 j 03:26:12 ● New -33 Dec 13 j 04:13:08 **①** -31 Apr 20 j 21:36:21 ○ Full -35 Apr 04 i 17:06:42 ○ Full -34 Aug 11 i 19:49:23 **●** -33 Dec 19 j 22:35:13 ● New -31 Apr 27 j 11:46:29 **①** -35 Apr 12 j 17:32:58 **①** -34 Aug 19 i 19:39:30 ○ Full -33 Dec 27 i 13:13:39 **●** -31 May 05 i 03:08:07 ● New -35 Apr 20 j 04:43:58 ● New -34 Aug 27 j 19:41:55 **①** -32 Jan 04 j 12:19:15 O Full -31 May 13 j 06:42:20 **●** -35 Apr 26 i 21:24:45 **●** -34 Sep 03 j 11:26:21 ● New -32 Jan 11 j 12:31:27 **①** -31 May 20 j 04:49:24 ○ Full -35 May 04 j 06:07:12 ○ Full -34 Sep 10 j 09:05:42 **●** -32 Jan 18 j 12:00:55 ● New -31 May 26 j 19:46:41 **①** -35 May 12 j 09:47:55 **①** -31 Jun 03 j 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21 j 09:36:38 **●** -33 Jan 29 j 07:43:55 ● New -32 Jun 06 j 12:31:07 • -31 Oct 14 j 03:59:55 ○ Full -35 Sep 29 j 09:13:31 ○ Full -33 Feb 06 j 12:51:45 **●** -32 Jun 14 j 16:37:48 ● New -31 Oct 22 j 05:13:28 **●** -35 Oct 06 i 10:59:49 • -33 Feb 13 i 11:19:46 ○ Full -32 Jun 22 j 03:41:05 **●** -31 Oct 29 j 16:32:40 ● New -35 Oct 13 i 08:51:07 ● New -33 Feb 20 i 03:14:20 **①** -32 Jun 28 j 19:00:50 ○ Full -31 Nov 05 i 08:43:32 **●** -35 Oct 21 i 06:33:38 **●** -33 Feb 28 i 01:19:13 ● New -32 Jul 06 i 04:22:48 **①** -31 Nov 12 j 20:38:45 ○ Full -35 Oct 28 j 23:09:41 ○ Full -33 Mar 08 i 03:23:08 **●** -32 Jul 14 i 05:27:27 ● New -31 Nov 21 i 01:39:56 • -32 Jul 21 j 09:09:26 **●** -35 Nov 04 j 18:30:52 **①** -33 Mar 14 j 20:07:45 ○ Full -31 Nov 28 j 03:57:53 ● New -32 Jul 28 j 04:07:52 ○ Full -35 Nov 12 j 00:23:16 ● New -33 Mar 21 j 15:31:49 **①** -31 Dec 04 j 19:26:10 **●** -35 Nov 20 j 03:47:17 **●** -33 Mar 29 j 18:22:30 ● New -32 Aug 04 j 22:15:17 **①** -31 Dec 12 j 15:19:22 ○ Full -35 Nov 27 j 12:02:01 ○ Full -33 Apr 06 j 13:40:25 **●** -32 Aug 12 j 17:14:22 ● New -31 Dec 20 j 19:36:33 **①** -35 Dec 04 j 03:26:49 **●** -33 Apr 13 j 04:15:37 ○ Full -32 Aug 19 j 14:26:58 **●** -31 Dec 27 j 14:42:14 ● New -35 Dec 11 j 18:26:23 ● New -30 Jan 03 j 08:52:25 **●** -33 Apr 20 j 05:31:51 **①** -32 Aug 26 j 16:05:05 ○ Full -35 Dec 19 j 23:24:01 **●** -33 Apr 28 j 09:47:38 ● New -32 Sep 03 j 17:08:11 **①** -30 Jan 11 j 10:47:56 ○ Full -30 Jan 19 j 09:43:11 **①** -35 Dec 26 j 23:33:59 ○ Full -33 May 05 j 20:38:18 **●** -32 Sep 11 j 04:23:28 ● New -34 Jan 02 j 14:41:34 **①** -33 May 12 j 12:22:50 ○ Full -32 Sep 17 j 20:56:26 **●** -30 Jan 26 j 01:04:39 ● New -34 Jan 10 j 13:33:19 ● New -33 May 19 j 21:12:04 **●** -32 Sep 25 j 07:21:09 ○ Full -30 Feb 02 j 00:41:27 **●** -34 Jan 18 j 15:52:48 **●** -33 May 27 j 22:53:45 ● New -32 Oct 03 j 11:51:34 **①** -30 Feb 10 j 05:22:34 ○ Full -34 Jan 25 j 09:46:12 ○ Full -33 Jun 04 j 01:38:49 **●** -32 Oct 10 j 15:11:44 ● New -30 Feb 17 j 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Phases of Moon	from -100	through 00 ((III) Astrodiensi	t AG 18-Feb-2024	5 13.22	page 14
I mases of whom	110111 - 100	unougn oo ((OI), Ashoulding	110-10-202) 13.44,	page 17

	used: The year -30 in astronomical countin		inting style
-30 Apr 10 j 10:18:44 ○ Full	-29 Aug 17 j 21:45:59 ©	-28 Dec 24 j 13:02:13 • New	-26 May 03 j 05:10:38 ①
-30 Apr 17 j 08:15:31 ●	-29 Aug 24 j 20:08:44 ○ Full	-28 Dec 31 j 22:58:07 ●	-26 May 10 j 12:43:58 ● New
-30 Apr 24 j 08:15:20 ● New	-29 Aug 31 j 11:17:27 ●	-27 Jan 07 j 16:13:38 ○ Full	-26 May 17 j 04:05:27 ●
-30 May 02 j 06:31:51 ●	-29 Sep 08 j 10:38:23 ● New	-27 Jan 15 j 04:32:31 ①	-26 May 24 j 16:24:21 ○ Full
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-30 May 16 j 13:11:47 ●	-29 Sep 23 j 05:01:08 ○ Full	-27 Jan 30 j 06:44:27 ●	-26 Jun 08 j 20:22:19 ● New
-30 May 23 j 20:04:21 ● New	-29 Sep 30 j 00:24:34 Φ	-27 Feb 06 j 05:06:48 ○ Full	-26 Jun 15 j 11:00:16 ●
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-30 Jun 14 j 19:04:12 ①	-29 Oct 22 j 14:53:26 ○ Full	-27 Feb 28 j 13:32:13 ●	-26 Jul 08 j 03:23:59 ● New
-30 Jun 22 j 09:33:43 ● New	-29 Oct 29 j 17:49:59 ①	-27 Mar 07 j 18:40:07 ○ Full	-26 Jul 14 j 20:43:28 ●
-30 Jun 30 j 13:53:04 ●	-29 Nov 06 j 22:38:33 ● New	-27 Mar 15 j 20:46:40 ●	-26 Jul 22 j 22:50:54 ○ Full
-30 Jul 07 j 11:22:05 ○ Full	-29 Nov 14 j 10:01:52 ●	-27 Mar 23 j 04:55:23 ● New	-26 Jul 30 j 19:17:58 ●
-30 Jul 14 j 03:03:42 ●	-29 Nov 21 j 02:22:06 ○ Full	-27 Mar 29 j 20:25:35 ●	-26 Aug 06 j 10:43:53 ● New
-30 Jul 22 j 00:52:32 ● New	-29 Nov 28 j 14:31:32 Φ	-27 Apr 06 j 08:57:41 ○ Full	-26 Aug 13 j 10:09:23 ●
-30 Jul 30 j 02:09:46 ©	-29 Dec 06 j 15:30:49 ● New	-27 Apr 14 j 13:17:19 ●	-26 Aug 21 j 14:31:31 ○ Full
-30 Aug 05 j 18:54:20 ○ Full	-29 Dec 13 j 18:37:19 ①	-27 Apr 21 j 12:58:31 • New	-26 Aug 29 j 04:05:51 ●
-30 Aug 12 j 14:12:37 ●	-29 Dec 20 j 15:49:54 O Full	-27 Apr 28 j 04:19:58 ●	-26 Sep 04 j 19:23:40 ● New
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-30 Nov 17 j 16:37:39 • New	-28 Mar 26 j 18:24:34 ①	-27 Aug 02 j 20:22:40 ○ Full	-26 Dec 10 j 17:55:11 ●
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-30 Dec 01 j 17:14:56 ○ Full	-28 Apr 09 j 06:30:52 ●	-27 Aug 16 j 20:10:56 ◆ New	-26 Dec 24 j 13:09:42 ●
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-30 Dec 23 j 22:22:36 ●	-28 May 01 j 19:51:14 ● New	-27 Sep 08 j 07:29:05 ①	-25 Jan 16 j 09:10:14 ○ Full
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-29 Jan 08 j 15:51:39 ①	-28 May 16 j 23:04:58 ○ Full	-27 Sep 23 j 07:50:21 ●	-25 Jan 31 j 02:48:33 ● New
-29 Jan 15 j 17:08:21 ● New	-28 May 24 j 12:40:50 ●	-27 Sep 30 j 21:02:17 ○ Full	-25 Feb 08 j 02:43:45 ●
-29 Jan 22 j 08:41:43 ●	-28 May 31 j 03:09:40 ● New	-27 Oct 07 j 14:45:04 Φ	-25 Feb 14 j 18:40:49 ○ Full
-29 Jan 30 j 05:06:48 ○ Full	-28 Jun 07 j 10:35:50 ●	-27 Oct 14 j 23:08:44 ● New	-25 Feb 21 j 16:09:08 ●
-29 Feb 07 j 08:10:21 ●	-28 Jun 15 j 12:31:36 ○ Full	-27 Oct 23 j 04:01:45 ●	-25 Mar 01 j 20:25:05 ● New
-29 Feb 14 j 03:16:48 ● New	-28 Jun 22 j 17:56:22 ●	-27 Oct 30 j 08:27:32 ○ Full	-25 Mar 09 j 13:14:13 ●
-29 Feb 20 j 20:53:55 ●	-28 Jun 29 j 11:47:37 ● New	-27 Nov 06 j 00:07:36 ①	-25 Mar 16 j 03:34:12 ○ Full
-29 Feb 28 j 23:25:03 ○ Full	-28 Jul 07 j 03:16:37 ●	-27 Nov 13 j 17:14:21 ● New	-25 Mar 23 j 08:34:19 ①
-29 Mar 08 j 20:26:23 ●	-28 Jul 15 j 00:29:31 ○ Full	-27 Nov 21 j 22:27:32	-25 Mar 31 j 11:53:30 ● New
-29 Mar 15 j 12:11:05 ● New	-28 Jul 21 j 22:28:02 Φ	-27 Nov 28 j 19:43:22 ○ Full	-25 Apr 07 j 20:16:29 ●
-29 Mar 22 j 11:10:29 ●	-28 Jul 28 j 22:35:02 ● New	-27 Dec 05 j 12:18:38 ●	-25 Apr 14 j 12:39:49 ○ Full
-29 Mar 30 j 15:50:40 ○ Full	-28 Aug 05 j 21:09:52 ●	-27 Dec 13 j 13:09:10 ● New	-25 Apr 22 j 01:49:16 ①
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-29 Apr 21 j 03:15:29 ●	-28 Aug 27 j 12:01:00 ● New	-26 Jan 04 j 03:33:11 ①	-25 May 13 j 22:43:01 O Full
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-29 May 20 j 20:25:08 ©	-28 Sep 26 j 04:10:19 • New	-26 Feb 02 j 21:25:22 ① 26 Feb 11 j 02:05:12 ② New	-25 Jun 12 j 10:16:25 O Full
-29 May 28 j 17:08:14 ○ Full -29 Jun 04 j 15:42:04 ①	-28 Oct 04 j 09:00:21 © -28 Oct 11 j 06:39:09 ○ Full	-26 Feb 11 j 02:05:12 • New -26 Feb 18 j 10:48:15 •	-25 Jun 20 j 11:50:14 ① -25 Jun 27 j 19:59:04 ● New
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-29 Jul 03 j 20:13:57 ①	-28 Nov 09 j 16:54:04 ○ Full	-26 Mar 19 j 17:21:32 ●	-25 Jul 27 j 03:35:42 • New
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-29 Jul 19 j 06:20:01 ©	-28 Nov 24 j 18:09:04 ● New	-26 Apr 03 j 11:46:16 ●	-25 Aug 10 j 14:54:11 O Full
-29 Jul 26 j 11:38:14 O Full	-28 Dec 02 j 13:08:16 ●	-26 Apr 11 j 03:39:07 ● New	-25 Aug 18 j 17:23:16 ①
-29 Aug 02 j 02:15:57 ●	-28 Dec 09 j 04:05:37 ○ Full	-26 Apr 17 j 22:40:43 ©	-25 Aug 25 j 11:18:49 • New
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Phases of Moon from -100 through 00 (UT), Astrodienst AG 18-Feb-2025 13:22, page 15	Phases of Moon	from -100	through 00 (U	T), Astrodienst	AG 18-Feb-2025	13:22,	page 15
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Attention, astronomical year style is used: The year -25 in astronomical counting style is the year 26 BCE in historical counting style. -23 Jan 16 j 04:00:44 **●** -25 Sep 09 i 07:47:35 ○ Full -22 May 25 j 13:38:34 ● New -21 Oct 01 j 18:00:18 ① -23 Jan 23 j 23:26:37 ○ Full -22 Jun 02 j 16:29:07 **●** -25 Sep 17 j 05:18:48 • -21 Oct 09 j 22:19:40 ● New -23 Jan 30 j 20:45:40 **①** -25 Sep 23 j 20:12:06 ● New -22 Jun 09 j 11:47:49 ○ Full -21 Oct 17 j 05:43:57 **●** -21 Oct 24 j 00:04:50 ○ Full -25 Sep 30 j 21:02:46 **●** -23 Feb 06 j 23:12:17 ● New -22 Jun 16 j 04:13:05 **①** -25 Oct 09 j 01:32:26 ○ Full -23 Feb 15 j 00:50:45 **●** -22 Jun 24 j 04:32:01 ● New -21 Oct 31 j 14:37:50 **①** -22 Jul 02 j 03:22:51 **●** -25 Oct 16 j 15:16:13 **①** -23 Feb 22 j 11:22:18 ○ Full -21 Nov 08 j 13:48:09 ● New -25 Oct 23 j 06:59:36 ● New -23 Mar 01 j 04:00:43 **①** -22 Jul 08 j 18:24:18 ○ Full -21 Nov 15 j 13:55:03 **●** -25 Oct 30 j 16:00:07 **●** -23 Mar 08 j 14:17:56 ● New -22 Jul 15 j 16:15:07 **●** -21 Nov 22 j 13:44:19 ○ Full -25 Nov 07 j 18:52:50 ○ Full -23 Mar 16 j 18:50:21 **●** -22 Jul 23 j 19:45:05 ● New -21 Nov 30 j 12:54:25 **①** -25 Nov 14 j 23:48:44 **①** -23 Mar 23 j 21:02:33 ○ Full -22 Jul 31 j 11:54:02 **●** -21 Dec 08 j 03:39:52 ● New -25 Nov 21 j 19:55:10 ● New -23 Mar 30 j 11:48:21 **①** -22 Aug 07 j 02:10:33 ○ Full -21 Dec 14 j 22:21:39 **●** -25 Nov 29 j 13:28:53 **●** -23 Apr 07 j 06:11:38 ● New -22 Aug 14 j 07:33:01 **①** -21 Dec 22 j 05:46:12 ○ Full -25 Dec 07 j 10:31:23 ○ Full -23 Apr 15 j 09:12:24 **●** -22 Aug 22 j 10:52:55 ● New -21 Dec 30 j 10:14:14 **①** -25 Dec 14 j 07:50:45 **①** -23 Apr 22 j 04:59:40 ○ Full -22 Aug 29 j 18:51:30 **●** -20 Jan 06 j 15:55:58 ● New -25 Dec 21 j 10:45:39 ● New -23 Apr 28 j 21:08:46 **①** -22 Sep 05 j 12:05:48 ○ Full -20 Jan 13 j 07:44:21 **●** -25 Dec 29 j 11:32:32 **●** -23 May 06 j 22:00:38 ● New -22 Sep 13 j 01:53:58 **①** -20 Jan 20 j 23:40:47 ○ Full -24 Jan 05 j 23:46:27 ○ Full -23 May 14 j 20:06:32 **●** -22 Sep 21 j 01:21:14 ● New -20 Jan 29 j 04:29:34 **①** -24 Jan 12 j 16:19:04 **①** -23 May 21 j 11:56:46 ○ Full -22 Sep 28 j 01:24:36 **●** -20 Feb 05 j 02:39:51 ● New -24 Jan 20 i 03:03:59 • New -23 May 28 j 08:51:16 **①** -22 Oct 05 j 00:43:44 ○ Full -20 Feb 11 j 18:39:19 **●** -24 Jan 28 i 07:50:10 **●** -23 Jun 05 j 12:55:24 ● New -22 Oct 12 j 22:27:22 • -20 Feb 19 i 18:07:53 ○ Full -24 Feb 04 i 10:43:21 ○ Full -23 Jun 13 j 04:12:46 **●** -22 Oct 20 j 14:41:28 ● New -20 Feb 27 j 18:44:10 **①** -24 Feb 11 i 01:55:20 **①** -23 Jun 19 j 18:52:24 O Full -22 Oct 27 j 08:50:20 **●** -20 Mar 05 j 11:57:40 ● New -24 Feb 18 i 20:14:49 • New -23 Jun 26 j 23:19:27 **①** -22 Nov 03 i 16:08:00 ○ Full -20 Mar 12 i 07:31:30 **●** -24 Feb 27 i 00:29:06 **●** -23 Jul 05 i 02:34:06 ● New -22 Nov 11 j 19:36:11 **①** -20 Mar 20 j 11:27:25 ○ Full -24 Mar 04 j 19:56:35 ○ Full -23 Jul 12 j 10:25:22 **●** -22 Nov 19 j 02:46:45 ● New -20 Mar 28 j 05:04:58 **①** -24 Mar 11 j 13:01:36 **①** -23 Jul 19 j 02:58:26 ○ Full -22 Nov 25 j 18:14:06 **●** -20 Apr 03 j 20:12:42 ● New -24 Mar 19 j 13:28:26 ● New -23 Jul 26 j 16:19:44 **①** -22 Dec 03 j 09:53:21 ○ Full -20 Apr 10 j 22:24:31 **●** -20 Apr 19 j 02:31:14 ○ Full -24 Mar 27 j 12:48:14 **●** -23 Aug 03 j 15:04:25 ● New -22 Dec 11 j 15:11:40 ① -24 Apr 03 j 04:08:22 ○ Full -23 Aug 10 j 15:49:29 **●** -22 Dec 18 j 13:51:49 ● New -20 Apr 26 j 12:16:25 **①** -24 Apr 10 j 01:48:37 **①** -23 Aug 17 j 13:27:32 ○ Full -22 Dec 25 j 06:10:17 **●** -20 May 03 j 04:13:37 ● New -24 Apr 18 j 05:41:36 ● New -23 Aug 25 j 11:02:44 **①** -21 Jan 02 j 05:03:43 ○ Full -20 May 10 j 14:53:20 **●** -24 Apr 25 j 21:17:17 **●** -23 Sep 02 j 02:47:39 ● New -21 Jan 10 j 07:23:26 **●** -20 May 18 j 15:06:41 ○ Full -21 Jan 17 j 00:18:12 ● New -24 May 02 j 12:00:06 ○ Full -23 Sep 08 j 21:41:26 **●** -20 May 25 j 17:23:39 **①** -24 May 09 j 16:22:26 **①** -23 Sep 16 j 03:09:36 ○ Full -21 Jan 23 j 20:35:36 **●** -20 Jun 01 j 13:07:05 ● New -24 May 17 j 19:59:08 ● New -23 Sep 24 j 06:18:01 **①** -21 Feb 01 j 00:10:34 O Full -20 Jun 09 j 08:09:20 **●** -24 May 25 j 03:07:45 **●** -23 Oct 01 j 14:01:50 ● New -21 Feb 08 j 19:27:41 **①** -20 Jun 17 j 01:42:21 ○ Full -24 May 31 j 20:15:21 ○ Full -23 Oct 08 j 05:24:20 **●** -21 Feb 15 j 10:22:29 ● New -20 Jun 23 j 21:45:46 **●** -24 Jun 08 j 08:38:39 **①** -23 Oct 15 j 20:04:03 ○ Full -21 Feb 22 j 13:00:13 **●** -20 Jun 30 j 23:58:34 ● New -24 Jun 16 j 08:00:57 ● New -23 Oct 24 j 00:49:37 **①** -21 Mar 02 j 17:32:14 O Full -20 Jul 09 j 01:18:53 **●** -24 Jun 23 j 07:45:57 **●** -23 Oct 31 j 00:55:35 ● New -21 Mar 10 j 03:51:56 **①** -20 Jul 16 j 11:02:12 ○ Full -24 Jun 30 j 05:44:57 ○ Full -23 Nov 06 j 16:12:10 **●** -21 Mar 16 j 20:18:25 ● New -20 Jul 23 j 02:51:58 ① -24 Jul 08 j 02:09:13 ① -23 Nov 14 j 15:09:04 ○ Full -21 Mar 24 j 06:41:22 **●** -20 Jul 30 j 13:28:15 ● New -24 Jul 15 j 18:10:50 ● New -23 Nov 22 j 17:24:13 **①** -21 Apr 01 j 07:56:37 ○ Full -20 Aug 07 j 17:40:10 **●** -24 Jul 22 j 12:38:17 **●** -23 Nov 29 j 11:35:02 ● New -21 Apr 08 j 09:46:43 **①** -20 Aug 14 j 19:48:39 ○ Full -24 Jul 29 j 17:24:28 ○ Full -23 Dec 06 j 06:42:12 **●** -21 Apr 15 j 06:27:34 ● New -20 Aug 21 j 10:14:53 • -24 Aug 06 i 19:58:05 • -23 Dec 14 i 10:45:01 O Full -21 Apr 23 i 00:46:34 **●** -20 Aug 29 i 05:32:05 ● New -24 Aug 14 i 03:22:07 ● New -23 Dec 22 j 07:03:19 • -21 Apr 30 j 19:11:49 O Full -20 Sep 06 i 08:44:44 € -24 Aug 20 j 19:05:08 **●** -20 Sep 13 j 04:38:25 ○ Full -23 Dec 28 i 22:13:48 ● New -21 May 07 j 14:36:45 **①** -22 Jan 05 j 00:29:34 **●** -21 May 14 j 17:25:18 ● New -24 Aug 28 j 07:56:50 ○ Full -20 Sep 19 j 21:15:25 • -20 Sep 27 j 23:21:22 ● New -22 Jan 13 j 05:14:30 ○ Full -21 May 22 j 18:14:21 **●** -24 Sep 05 j 12:56:57 **①** -24 Sep 12 j 12:32:40 ● New -22 Jan 20 j 17:24:44 **①** -21 May 30 j 04:00:18 O Full -20 Oct 05 j 22:09:39 **●** -24 Sep 19 j 04:17:25 **●** -22 Jan 27 i 09:14:46 • New -21 Jun 05 j 19:44:47 **①** -20 Oct 12 j 14:06:21 ○ Full -24 Sep 27 j 01:22:06 ○ Full -22 Feb 03 j 20:10:20 **●** -21 Jun 13 j 05:52:57 ● New -20 Oct 19 j 12:36:08 **①** -24 Oct 05 j 04:11:11 **①** -22 Feb 11 j 21:26:46 ○ Full -21 Jun 21 j 10:06:51 **●** -20 Oct 27 j 17:43:42 ● New -24 Oct 11 j 22:22:40 ● New -22 Feb 19 j 00:56:27 **①** -21 Jun 28 j 11:31:12 ○ Full -20 Nov 04 j 09:36:39 **●** -22 Feb 25 j 21:00:46 ● New -21 Jul 05 j 02:26:43 **●** -24 Oct 18 j 17:09:24 **●** -20 Nov 11 j 00:47:49 ○ Full -21 Jul 12 j 20:17:35 ● New -24 Oct 26 j 20:34:05 ○ Full -22 Mar 05 j 15:59:40 **●** -20 Nov 18 j 07:51:41 **①** -21 Jul 20 j 23:49:35 **●** -24 Nov 03 j 17:14:08 **①** -22 Mar 13 j 10:44:31 ○ Full -20 Nov 26 j 11:27:18 ● New -21 Jul 27 j 18:54:13 ○ Full -24 Nov 10 j 09:06:37 ● New -22 Mar 20 j 06:47:20 **●** -20 Dec 03 j 19:05:22 **●** -24 Nov 17 j 10:01:47 **●** -22 Mar 27 j 09:43:02 ● New -21 Aug 03 j 11:50:57 **①** -20 Dec 10 j 13:12:26 ○ Full -24 Nov 25 j 15:38:31 ○ Full -22 Apr 04 j 10:31:24 **●** -21 Aug 11 j 12:29:23 ● New -20 Dec 18 j 05:24:24 **①** -24 Dec 03 j 04:05:18 **●** -22 Apr 11 j 21:06:27 ○ Full -21 Aug 19 j 11:21:09 **●** -20 Dec 26 j 03:31:51 ● New -24 Dec 09 j 20:44:46 ● New -22 Apr 18 j 12:24:09 • -21 Aug 26 j 03:04:18 ○ Full -19 Jan 02 j 03:06:51 **●** -24 Dec 17 j 06:15:39 **●** -22 Apr 25 j 23:18:48 ● New -21 Sep 02 j 00:53:25 **●** -19 Jan 09 j 03:28:48 ○ Full -24 Dec 25 j 08:52:12 ○ Full -22 May 04 j 02:50:36 **●** -21 Sep 10 j 05:34:46 ● New -19 Jan 17 j 03:01:27 **●** -19 Jan 24 j 17:13:27 ● New -23 Jan 01 j 13:03:53 **①** -22 May 11 j 05:06:58 ○ Full -21 Sep 17 j 21:06:33 **●** -23 Jan 08 j 09:22:11 ● New -22 May 17 j 19:10:27 **①** -21 Sep 24 j 12:38:55 ○ Full -19 Jan 31 j 10:39:48 **●**

Phases of Moon from -100 through 00 (UT), Astrodienst AG 18-Feb-2025 13:22,	page 16
Attention, astronomical year style is used: The year -19 in astronomical counting style is the year 20 BCE in	historical counting style.

Attention, astronomical year style is u	sed: The year -19 in astronomical counting	g style is the year 20 BCE in historical cou	inting style.
-19 Feb 07 j 19:12:44 ○ Full	-18 Jun 16 j 23:14:13 ●	-17 Oct 24 j 17:13:17 ● New	-15 Mar 02 j 11:16:39 ①
-19 Feb 15 j 22:44:02 ●	-18 Jun 25 j 02:10:59 ○ Full	-17 Nov 01 j 14:13:27 ●	-15 Mar 10 j 08:28:31 ● New
-19 Feb 23 j 04:15:28 ● New	-18 Jul 02 j 19:34:31 ●	-17 Nov 09 j 07:43:42 ○ Full	-15 Mar 18 j 10:55:29 ●
-19 Mar 01 j 18:50:37 ●	-18 Jul 09 j 10:27:53 ● New	-17 Nov 16 j 03:38:26 ①	-15 Mar 25 j 04:05:13 ○ Full
-19 Mar 09 j 11:34:54 ○ Full	-18 Jul 16 j 12:52:57 ●	-17 Nov 23 j 08:44:40 ● New	-15 Mar 31 j 22:50:42 ●
-19 Mar 17 j 15:13:15 ●	-18 Jul 24 j 16:57:41 ○ Full	-17 Dec 01 j 11:44:04 ●	-15 Apr 09 j 01:08:35 ● New
-19 Mar 24 j 12:57:40 ● New	-18 Aug 01 j 02:22:08 ●	-17 Dec 08 j 20:51:37 ○ Full	-15 Apr 16 j 21:12:54 ●
-19 Mar 31 j 04:32:33 ●	-18 Aug 07 j 19:02:29 ● New	-17 Dec 15 j 12:27:53 ●	-15 Apr 23 j 11:51:33 ○ Full
-19 Apr 08 j 03:44:18 ○ Full	-18 Aug 15 j 05:43:06 ●	-17 Dec 23 j 02:35:46 ● New	-15 Apr 30 j 12:11:43 ●
-19 Apr 16 j 03:55:18 Φ	-18 Aug 23 j 06:39:13 ○ Full	-17 Dec 31 j 07:30:48 ●	-15 May 08 j 16:25:43 ● New
-19 Apr 22 j 20:11:50 ● New	-18 Aug 30 j 08:33:31 ●	-16 Jan 07 j 08:22:39 ○ Full	-15 May 16 j 04:15:10 ©
-19 Apr 29 j 16:14:57 ©	-18 Sep 06 j 05:42:45 ● New	-16 Jan 13 j 23:18:24 ●	-15 May 22 j 19:41:13 O Full
-19 May 07 j 19:05:12 ○ Full	-18 Sep 14 j 01:12:39 ©	-16 Jan 21 j 21:22:29 ● New	-15 May 30 j 03:26:29 ①
-19 May 15 j 13:00:43 ①	-18 Sep 21 j 19:13:56 ○ Full	-16 Jan 30 j 00:01:54 ©	-15 Jun 07 j 05:39:48 • New
-19 May 22 j 03:06:55 ● New	-18 Sep 28 j 15:17:11 ①	-16 Feb 05 j 18:19:44 O Full	-15 Jun 14 j 09:22:55 ●
-19 May 29 j 06:04:22 ©	-18 Oct 05 j 19:13:34 ● New	-16 Feb 12 j 12:31:39 ①	-15 Jun 21 j 04:22:08 O Full
-19 Jun 06 j 09:17:01 ○ Full	-18 Oct 13 j 21:51:13 ©	-16 Feb 20 j 15:33:34 ● New	-15 Jun 28 j 20:23:34 ①
-19 Jun 13 j 19:19:07 ①	-18 Oct 21 j 07:04:26 O Full	-16 Feb 28 j 12:31:02 ©	-15 Jul 06 j 16:51:05 ● New
-19 Jun 20 j 10:53:19 ● New	-18 Oct 27 j 23:34:21 ①	-16 Mar 06 j 03:13:25 O Full	-15 Jul 13 j 14:02:41 ●
-19 Jun 27 j 21:52:17 ①	-18 Nov 04 j 11:54:56 ● New	-16 Mar 13 j 03:49:16 ①	-15 Jul 20 j 14:49:05 O Full
-19 Jul 05 j 22:08:53 O Full	-18 Nov 12 j 17:37:19 €	-16 Mar 21 j 08:02:02 ● New	-15 Jul 28 j 14:21:07 ①
-19 Jul 13 j 00:08:31 ①	-18 Nov 19 j 18:33:26 O Full	-16 Mar 28 j 21:07:21 ●	-15 Aug 05 j 02:38:08 ● New
-19 Jul 19 j 20:30:13 • New	-18 Nov 26 j 10:14:23 ①	-16 Apr 04 j 11:52:34 O Full	-15 Aug 11 j 19:37:31 ●
-19 Jul 27 j 15:18:54 ©	-18 Dec 04 j 07:08:34 ● New	-16 Apr 11 j 20:26:51 ①	-15 Aug 19 j 03:54:45 O Full
-19 Aug 04 j 09:40:06 O Full	-18 Dec 12 j 10:49:27 €	-16 Apr 19 j 22:12:09 • New	-15 Aug 27 j 08:11:22 ①
-19 Aug 11 j 05:02:08 ①	-18 Dec 19 j 05:44:51 O Full	-16 Apr 27 j 02:49:16 ©	-15 Sep 03 j 11:57:20 ● New
-19 Aug 18 j 08:37:42 • New	-18 Dec 25 j 23:46:54 ①	-16 May 03 j 21:08:41 ○ Full	-15 Sep 10 j 03:22:47 ©
-19 Aug 26 j 09:46:57 €	-17 Jan 03 j 03:07:08 ● New	-16 May 11 j 13:36:58 ●	-15 Sep 17 j 20:04:38 O Full
-19 Sep 02 j 20:06:14 O Full	-17 Jan 11 j 00:37:09 €	-16 May 19 j 09:55:35 • New	-15 Sep 26 j 00:44:43 ①
-19 Sep 09 j 11:34:05 ①	-17 Jan 17 j 16:29:13 O Full	-16 May 26 j 07:05:44 ©	-15 Oct 02 j 21:37:20 ● New
-19 Sep 16 j 23:32:29 ● New	-17 Jan 24 j 16:09:32 ①	-16 Jun 02 j 07:43:44 O Full	-15 Oct 09 j 14:21:32 ●
-19 Sep 25 j 04:12:27 ①	-17 Feb 01 j 21:40:34 • New	-16 Jun 10 j 06:40:59 ①	-15 Oct 17 j 14:45:18 O Full
-19 Oct 02 j 06:00:43 O Full	-17 Feb 09 j 10:59:14 €	-16 Jun 17 j 19:29:58 • New	-15 Oct 25 j 15:14:22 ①
-19 Oct 08 j 21:02:02 ①	-17 Feb 16 j 02:47:47 O Full	-16 Jun 24 j 11:36:40 ©	-15 Nov 01 j 08:02:25 ● New
-19 Oct 16 j 17:03:22 ● New	-17 Feb 23 j 10:36:26 ①	-16 Jul 01 j 20:05:20 O Full	-15 Nov 08 j 05:12:54 ●
-19 Oct 24 j 21:11:53 ●	-17 Mar 03 j 13:24:19 • New	-16 Jul 09 j 23:05:06 ①	-15 Nov 16 j 10:17:54 O Full
-19 Oct 31 j 16:04:46 ○ Full -19 Nov 07 j 10:07:59 ①	-17 Mar 10 j 18:30:07 © -17 Mar 17 j 13:08:10 ○ Full	-16 Jul 17 j 03:37:52 • New -16 Jul 23 j 17:57:24 •	-15 Nov 24 j 03:23:22 ①
-19 Nov 15 j 12:21:11 • New	-17 Mar 25 j 05:43:00 ●	-16 Jul 31 j 10:26:49 O Full	-15 Nov 30 j 19:15:00 • New -15 Dec 07 j 23:49:53 • O
-19 Nov 23 j 11:33:35 ●	-17 Apr 02 j 02:03:02 ● New	-16 Aug 08 j 14:13:35 ①	-15 Dec 16 j 04:42:33 O Full
-19 Nov 30 j 02:49:54 ○ Full	-17 Apr 02 j 02:03:02	-16 Aug 15 j 11:19:58 ● New	-15 Dec 23 j 13:19:29 •
-19 Dec 07 j 02:46:09 ①	-17 Apr 16 j 00:15:31 O Full	-16 Aug 22 j 03:24:58 ©	-15 Dec 30 j 07:14:40 • New
-19 Dec 15 i 07:52:52 ● New	-17 Apr 23 j 23:56:41 •	-16 Aug 30 j 02:44:06 ○ Full	-14 Jan 06 j 20:57:13 ●
-19 Dec 22 j 22:51:13 ●	-17 May 01 j 12:07:11 • New	-16 Sep 07 j 03:32:59 ①	-14 Jan 14 j 20:39:29 O Full
-19 Dec 29 j 14:25:49 O Full	-17 May 08 j 05:10:22 ©	-16 Sep 13 j 19:41:54 • New	-14 Jan 21 j 21:30:13 ●
-18 Jan 05 j 22:05:36 ①	-17 May 15 j 12:48:12 O Full	-16 Sep 20 j 16:44:51 ©	-14 Jan 28 j 20:12:40 • New
-18 Jan 14 j 01:44:49 • New	-17 May 23 j 16:13:35 ①	-16 Sep 28 j 20:25:27 O Full	-14 Feb 05 j 18:21:32 ●
-18 Jan 21 j 07:30:38 ●	-17 May 30 j 20:23:24 ● New	-16 Oct 06 j 14:47:18 ①	-14 Feb 13 j 09:48:14 O Full
-18 Jan 28 j 02:45:08 ○ Full	-17 Jun 06 j 11:00:06 €	-16 Oct 13 j 05:37:09 • New	-14 Feb 20 j 04:40:13 ●
-18 Feb 04 j 18:41:50 ①	-17 Jun 14 j 02:56:10 ○ Full	-16 Oct 20 j 10:00:24 ●	-14 Feb 27 j 10:23:14 • New
-18 Feb 12 j 16:34:43 ● New	-17 Jun 22 j 06:11:24 ①	-16 Oct 28 j 14:23:55 O Full	-14 Mar 07 j 13:48:02 ©
-18 Feb 19 j 14:31:09 ●	-17 Jun 29 j 03:40:40 • New	-16 Nov 05 j 00:10:39 ①	-14 Mar 14 j 20:25:38 ○ Full
-18 Feb 26 j 15:40:50 ○ Full	-17 Jul 05 j 19:02:47 ●	-16 Nov 11 j 17:32:25 ● New	-14 Mar 21 j 11:47:29 ①
-18 Mar 06 j 14:50:31 ①	-17 Jul 13 j 18:16:49 ○ Full	-16 Nov 19 j 06:26:54 ●	-14 Mar 29 j 01:40:09 ● New
-18 Mar 14 j 04:06:25 ● New	-17 Jul 21 j 17:57:13 ①	-16 Nov 27 j 07:13:04 ○ Full	-14 Apr 06 j 05:57:09 ●
-18 Mar 20 j 21:00:59 ●	-17 Jul 28 j 10:50:24 ● New	-16 Dec 04 j 08:26:08 ●	-14 Apr 13 j 05:02:31 O Full
-18 Mar 28 j 05:17:23 ○ Full	-17 Aug 04 j 06:29:22 ●	-16 Dec 11 j 07:24:28 ● New	-14 Apr 19 j 19:56:13 ①
-18 Apr 05 j 08:50:49 ①	-17 Aug 12 j 10:10:09 ○ Full	-16 Dec 19 j 04:29:23 ●	-14 Apr 27 j 17:26:01 • New
-18 Apr 12 j 12:59:52 ● New	-17 Aug 20 j 03:50:48 ①	-16 Dec 26 j 21:46:31 O Full	-14 May 05 j 18:34:14 ©
-18 Apr 19 j 04:02:44 ●	-17 Aug 26 j 18:49:55 ● New	-15 Jan 02 j 16:30:57 ①	-14 May 12 j 12:17:57 ○ Full
-18 Apr 26 j 19:42:59 ○ Full	-17 Sep 02 j 21:55:06 €	-15 Jan 09 j 22:51:29 ● New	-14 May 19 j 06:06:25 ①
-18 May 04 j 23:37:43 ●	-17 Sep 11 j 01:59:14 ○ Full	-15 Jan 18 j 01:54:00 ●	-14 May 27 j 08:49:09 ● New
-18 May 11 j 20:19:32 ● New	-17 Sep 18 j 12:18:11 ①	-15 Jan 25 j 09:46:41 ○ Full	-14 Jun 04 j 04:06:09 ●
-18 May 18 j 12:30:51 €	-17 Sep 25 j 04:40:27 ● New	-15 Feb 01 j 01:16:29 ●	-14 Jun 10 j 19:03:28 ○ Full
-18 May 26 j 10:51:13 ○ Full	-17 Oct 02 j 16:57:33 ●	-15 Feb 08 j 15:25:11 ● New	-14 Jun 17 j 19:00:07 ●
-18 Jun 03 j 11:00:20 ●	-17 Oct 10 j 17:17:54 ○ Full	-15 Feb 16 j 20:28:33 ●	-14 Jun 25 j 23:12:27 ● New
-18 Jun 10 j 03:10:10 ● New	-17 Oct 17 j 19:56:19 Φ	-15 Feb 23 j 19:38:30 ○ Full	-14 Jul 03 j 11:19:12 ●

Phases of Moon from -100 through 00 (UT), Astrodienst AG 18-Feb-2025 13:22,	page 17
Attention, astronomical year style is used: The year -14 in astronomical counting style is the year 15 BCE in	historical counting style

Attention, astronomical year style is used: The year -14 in astronomical counting style is the year 15 BCE in historical counting style.				
-14 Jul 10 j 02:25:12 ○ Full	-13 Nov 16 j 17:45:34 €	-11 Mar 25 j 20:06:34 ● New	-10 Aug 02 j 06:31:11 ①	
-14 Jul 17 j 10:46:13 ●	-13 Nov 24 j 04:52:49 ○ Full	-11 Apr 01 j 18:14:04 ●	-10 Aug 09 j 05:54:39 ● New	
-14 Jul 25 j 12:27:52 ● New	-13 Dec 02 j 09:46:06 ①	-11 Apr 09 j 22:42:17 ○ Full	-10 Aug 17 j 03:49:39 ●	
-14 Aug 01 j 17:10:38 ●	-13 Dec 09 j 12:51:35 ● New	-11 Apr 17 j 12:50:40 ①	-10 Aug 24 j 18:52:08 ○ Full	
-14 Aug 08 j 11:37:16 ○ Full	-13 Dec 16 j 04:17:43 ●	-11 Apr 24 j 03:55:21 ● New	-10 Aug 31 j 12:10:15 ●	
-14 Aug 16 j 04:52:59 ●	-13 Dec 23 j 23:24:11 ○ Full	-11 May 01 j 09:41:43 ●	-10 Sep 07 j 19:30:12 ● New	
-14 Aug 24 j 00:48:59 ● New	-12 Jan 01 j 03:55:35 ①	-11 May 09 j 12:28:49 ○ Full	-10 Sep 15 j 22:43:56 ●	
-14 Aug 30 j 22:48:55 ●	-12 Jan 07 j 23:32:14 ● New	-11 May 16 j 18:51:34 ①	-10 Sep 23 j 05:13:43 O Full	
-14 Sep 06 j 23:43:43 O Full	-12 Jan 14 j 17:16:40 €	-11 May 23 j 12:04:03 ● New	-10 Sep 29 j 20:07:14 ①	
-14 Sep 15 j 00:16:15 ①	-12 Jan 22 j 18:36:41 O Full	-11 May 31 j 02:31:51 ●	-10 Oct 07 j 11:53:11 • New	
-14 Sep 22 j 12:33:21 • New	-12 Jan 30 j 18:05:10 ①	-11 Jun 08 j 00:04:02 O Full	-10 Oct 15 j 16:57:17 ①	
-14 Sep 29 j 05:33:00	-12 Feb 06 j 09:36:25 ● New -12 Feb 13 j 08:26:23 ●	-11 Jun 14 j 23:27:13	-10 Oct 22 j 15:20:38 ○ Full -10 Oct 29 j 07:22:50 ●	
-14 Oct 14 j 19:37:00 ①	-12 Feb 21 j 12:53:48 O Full	-11 Jun 29 j 19:53:12 ©	-10 Oct 29 j 07.22.30	
-14 Oct 21 j 23:50:27 ● New	-12 Feb 29 j 04:10:09 ①	-11 Jul 07 j 10:05:49 O Full	-10 Nov 14 j 09:01:32 ●	
-14 Oct 28 j 14:42:43 ©	-12 Mar 06 j 19:20:40 ● New	-11 Jul 14 j 04:01:50 ①	-10 Nov 21 j 01:48:49 O Full	
-14 Nov 05 j 09:26:06 ○ Full	-12 Mar 14 j 01:14:00 ●	-11 Jul 21 j 09:49:38 ● New	-10 Nov 27 j 22:14:17 ①	
-14 Nov 13 j 13:34:44 ①	-12 Mar 22 j 04:45:49 ○ Full	-11 Jul 29 j 12:55:59 €	-10 Dec 06 j 02:16:10 • New	
-14 Nov 20 j 10:43:23 ● New	-12 Mar 29 j 11:04:55 ①	-11 Aug 05 j 19:16:57 ○ Full	-10 Dec 13 j 22:00:55 ●	
-14 Nov 27 j 03:16:17 ●	-12 Apr 05 j 05:04:14 ● New	-11 Aug 12 j 10:07:22 ●	-10 Dec 20 j 12:57:40 ○ Full	
-14 Dec 05 j 05:01:34 ○ Full	-12 Apr 12 j 18:57:32 ●	-11 Aug 20 j 00:44:38 ● New	-10 Dec 27 j 16:11:27 ①	
-14 Dec 13 j 04:57:36 ●	-12 Apr 20 j 17:30:27 ○ Full	-11 Aug 28 j 05:02:17 ●	-9 Jan 04 j 21:12:10 ● New	
-14 Dec 19 j 21:19:36 ● New	-12 Apr 27 j 16:10:53 ●	-11 Sep 04 j 04:14:39 ○ Full	-9 Jan 12 j 07:55:14 ●	
-14 Dec 26 j 19:21:30 ●	-12 May 04 j 15:18:24 ● New	-11 Sep 10 j 19:13:02 ●	-9 Jan 19 j 00:46:29 ○ Full	
-13 Jan 04 j 00:13:54 ○ Full	-12 May 12 j 12:44:03 ●	-11 Sep 18 j 17:59:38 ● New	-9 Jan 26 j 12:06:46 Φ	
-13 Jan 11 j 17:01:04 Φ	-12 May 20 j 03:25:45 ○ Full	-11 Sep 26 j 19:42:16 ©	-9 Feb 03 j 13:36:29 ● New	
-13 Jan 18 j 07:58:04 ● New	-12 May 26 j 20:53:55 ①	-11 Oct 03 j 13:31:21 ○ Full	-9 Feb 10 j 15:31:02 ●	
-13 Jan 25 j 14:02:40 ●	-12 Jun 03 j 02:46:00 ● New	-11 Oct 10 j 08:23:54 ①	-9 Feb 17 j 13:07:49 ○ Full	
-13 Feb 02 j 17:37:54 ○ Full	-12 Jun 11 j 05:33:44 ●	-11 Oct 18 j 12:27:49 ● New	-9 Feb 25 j 08:27:52 ●	
-13 Feb 10 j 01:48:10 ●	-12 Jun 18 j 11:30:55 ○ Full	-11 Oct 26 j 08:29:03 ●	-9 Mar 05 j 02:39:46 ● New	
-13 Feb 16 j 19:04:48 ● New	-12 Jun 25 j 02:34:44 ①	-11 Nov 01 j 23:39:14 ○ Full	-9 Mar 11 j 21:56:25 ●	
-13 Feb 24 j 09:43:31 ●	-12 Jul 02 j 16:06:53 ● New	-11 Nov 09 j 01:50:00 ●	-9 Mar 19 j 02:03:47 ○ Full	
-13 Mar 04 j 08:20:26 ○ Full	-12 Jul 10 j 20:37:08 €	-11 Nov 17 j 06:50:37 ● New	-9 Mar 27 j 03:33:17 ①	
-13 Mar 11 j 08:11:11 ①	-12 Jul 17 j 18:57:37 O Full	-11 Nov 24 j 19:06:55 ©	-9 Apr 03 j 12:39:15 • New	
-13 Mar 18 j 07:00:46 • New	-12 Jul 24 j 10:26:52 ①	-11 Dec 01 j 11:09:43 O Full	-9 Apr 10 j 04:20:08 ©	
-13 Mar 26 j 04:49:56	-12 Aug 01 j 07:33:56 ● New -12 Aug 09 j 09:32:24 ●	-11 Dec 08 j 22:26:07	-9 Apr 17 j 15:47:07 ○ Full -9 Apr 25 j 19:59:31 ①	
-13 Apr 09 j 13:32:39 ①	-12 Aug 16 j 02:48:27 O Full	-11 Dec 24 j 03:48:23 €	-9 May 02 j 20:32:45 • New	
-13 Apr 16 j 19:53:43 • New	-12 Aug 22 j 21:34:35 ①	-11 Dec 31 j 00:22:49 O Full	-9 May 09 j 11:43:25 ©	
-13 Apr 24 j 22:15:03 ©	-12 Aug 31 j 00:34:14 ● New	-10 Jan 07 j 20:10:31 ①	-9 May 17 j 06:25:18 ○ Full	
-13 May 02 j 05:05:28 O Full	-12 Sep 07 j 20:28:10 ©	-10 Jan 15 j 14:55:08 ● New	-9 May 25 j 09:08:08 ●	
-13 May 08 j 19:21:51 ●	-12 Sep 14 j 11:47:23 ○ Full	-10 Jan 22 j 11:20:22 ●	-9 Jun 01 j 03:28:11 • New	
-13 May 16 j 09:40:32 ● New	-12 Sep 21 j 12:42:09 ①	-10 Jan 29 j 15:12:37 ○ Full	-9 Jun 07 j 21:00:40 €	
-13 May 24 j 13:19:29 ●	-12 Sep 29 j 17:55:46 ● New	-10 Feb 06 j 16:54:40 ●	-9 Jun 15 j 21:42:51 ○ Full	
-13 May 31 j 12:16:51 ○ Full	-12 Oct 07 j 05:53:01 ●	-10 Feb 14 j 03:11:34 ● New	-9 Jun 23 j 19:11:41 ①	
-13 Jun 07 j 02:57:46 ●	-12 Oct 13 j 22:22:27 ○ Full	-10 Feb 20 j 18:50:00 ●	-9 Jun 30 j 10:26:51 ● New	
-13 Jun 15 j 00:14:18 ● New	-12 Oct 21 j 07:48:26 ①	-10 Feb 28 j 07:04:00 ○ Full	-9 Jul 07 j 09:00:06 €	
-13 Jun 23 j 01:45:56 ●	-12 Oct 29 j 10:23:42 ● New	-10 Mar 08 j 11:01:31 ●	-9 Jul 15 j 12:59:49 ○ Full	
-13 Jun 29 j 18:48:16 ○ Full	-12 Nov 05 j 14:23:56 ●	-10 Mar 15 j 12:50:55 ● New	-9 Jul 23 j 02:58:42 ●	
-13 Jul 06 j 13:18:35 Φ	-12 Nov 12 j 10:55:03 ○ Full	-10 Mar 22 j 03:22:05 ●	-9 Jul 29 j 18:20:45 • New	
-13 Jul 14 j 15:25:02 ● New	-12 Nov 20 j 05:38:04 ●	-10 Mar 29 j 23:09:06 O Full	-9 Aug 06 j 00:14:31 ●	
-13 Jul 22 j 11:40:09 ●	-12 Nov 28 j 01:15:21 ● New	-10 Apr 07 j 01:37:02 ①	-9 Aug 14 j 03:31:59 O Full	
-13 Jul 29 j 01:55:58 O Full	-12 Dec 04 j 22:40:23	-10 Apr 13 j 20:32:54 ● New	-9 Aug 21 j 09:34:10 ①	
-13 Aug 05 j 02:56:18 ①	-12 Dec 12 j 01:41:24 O Full	-10 Apr 20 j 13:42:24 €	-9 Aug 28 j 03:57:34 ● New	
-13 Aug 13 j 06:52:50 ● New	-12 Dec 20 j 03:47:21 ①	-10 Apr 28 j 14:47:53 O Full	-9 Sep 04 j 18:39:29 ●	
-13 Aug 20 j 19:34:14 €	-12 Dec 27 j 14:21:45 • New	-10 May 06 j 12:30:17 ①	-9 Sep 12 j 16:57:09 ○ Full	
-13 Aug 27 j 10:47:14 ○ Full -13 Sep 03 j 19:53:57 ①	-11 Jan 03 j 07:23:06	-10 May 13 j 03:21:43 • New -10 May 20 j 02:12:29 •	-9 Sep 19 j 16:05:48 ① -9 Sep 26 j 16:03:49 ● New	
-13 Sep 11 j 22:03:33 • New	-11 Jan 18 j 23:45:33 •	-10 May 26 j 02.12.29 C -10 May 28 j 05:35:05 O Full	-9 Oct 04 j 15:11:26 ●	
-13 Sep 19 j 02:24:58 ●	-11 Jan 26 j 01:46:54 • New	-10 Jun 04 j 20:11:06 ①	-9 Oct 12 j 05:23:43 O Full	
-13 Sep 25 j 22:07:44 O Full	-11 Feb 01 j 17:12:18 ●	-10 Jun 11 j 10:29:52 ● New	-9 Oct 18 j 23:36:42 ①	
-13 Oct 03 j 15:39:57 ①	-11 Feb 09 j 12:42:53 ○ Full	-10 Jun 18 j 16:54:09 ●	-9 Oct 26 j 07:14:09 • New	
-13 Oct 11 j 12:18:19 • New	-11 Feb 17 j 16:00:30 ●	-10 Jun 26 j 19:15:13 ○ Full	-9 Nov 03 j 11:54:22 ●	
-13 Oct 18 j 09:24:50 ●	-11 Feb 24 j 11:36:33 ● New	-10 Jul 04 j 01:42:53 ●	-9 Nov 10 j 17:14:01 ○ Full	
-13 Oct 25 j 12:13:52 ○ Full	-11 Mar 03 j 04:42:36 ●	-10 Jul 10 j 19:04:00 ● New	-9 Nov 17 j 09:01:00 ●	
-13 Nov 02 j 12:57:40 ①	-11 Mar 11 j 06:33:55 ○ Full	-10 Jul 18 j 09:35:34 ●	-9 Nov 25 j 01:21:57 ● New	
-13 Nov 10 j 01:13:30 ● New	-11 Mar 19 j 04:12:22 ●	-10 Jul 26 j 07:39:47 ○ Full	-9 Dec 03 j 06:45:53 ●	

Phases of Moon from -100 through 00 (UT), Astrodienst AG 18-Feb-2025 13:22,	page 18
Attention, astronomical year style is used: The year -9 in astronomical counting style is the year 10 BCE in h	istorical counting style

Attention, astronomical year style	is used: The year -9 in astronomical counting	style is the year 10 BCE in historical cou	inting style.
-9 Dec 10 j 04:39:58 ○ Full	-7 Apr 18 j 04:10:26 ●	-6 Aug 25 j 11:13:38 ● New	-4 Jan 02 j 15:46:19 ●
-9 Dec 16 j 20:58:16 ①	-7 Apr 24 j 20:03:58 ○ Full	-6 Sep 01 j 03:14:55 ●	-4 Jan 09 j 06:59:28 ● New
-9 Dec 24 j 21:11:46 • New	-7 May 02 j 08:08:58 ●	-6 Sep 08 j 15:18:21 O Full	-4 Jan 16 j 08:25:51 ●
-8 Jan 01 j 22:25:36 ●	-7 May 10 j 07:49:16 ● New	-6 Sep 16 j 20:25:44 ①	-4 Jan 24 j 13:10:45 O Full
-8 Jan 08 j 15:35:29 ○ Full	-7 May 17 j 08:55:20 ①	-6 Sep 23 j 20:53:08 ● New	-4 Feb 01 j 02:07:04 • N
-8 Jan 15 j 11:44:06	-7 May 24 j 05:43:53 ○ Full -7 Jun 01 j 01:14:47 ①	-6 Sep 30 j 12:33:22	-4 Feb 07 j 17:36:14 • New -4 Feb 15 j 03:31:20 •
-8 Jan 31 j 10:28:52 ●	-7 Jun 08 j 18:29:08 • New	-6 Oct 16 j 12:22:22 ①	-4 Feb 23 j 05:13:01 O Full
-8 Feb 07 j 01:54:28 ○ Full	-7 Jun 15 j 13:04:45 €	-6 Oct 23 j 07:05:26 • New	-4 Mar 01 j 09:27:03 ①
-8 Feb 14 j 04:57:45 ①	-7 Jun 22 j 17:03:07 ○ Full	-6 Oct 30 j 01:25:57 ©	-4 Mar 08 j 04:48:35 ● New
-8 Feb 22 j 09:44:49 • New	-7 Jun 30 j 18:09:01 ①	-6 Nov 07 j 04:31:51 ○ Full	-4 Mar 15 j 22:49:03 ●
-8 Feb 29 j 19:15:13 ①	-7 Jul 08 j 03:22:40 ● New	-6 Nov 15 j 01:58:26 ●	-4 Mar 23 j 18:20:34 ○ Full
-8 Mar 07 j 11:53:21 ○ Full	-7 Jul 14 j 18:18:28 ●	-6 Nov 21 j 17:59:20 ● New	-4 Mar 30 j 14:58:23 ●
-8 Mar 14 j 23:36:51 ①	-7 Jul 22 j 06:23:53 ○ Full	-6 Nov 28 j 18:10:35 ●	-4 Apr 06 j 16:54:59 ● New
-8 Mar 22 j 23:48:33 ● New	-7 Jul 30 j 10:15:49 ●	-6 Dec 06 j 23:50:45 ○ Full	-4 Apr 14 j 17:01:55 ●
-8 Mar 30 j 01:34:00 ●	-7 Aug 06 j 11:21:04 ● New	-6 Dec 14 j 13:07:07 ●	-4 Apr 22 j 04:35:13 ○ Full
-8 Apr 05 j 22:14:02 ○ Full	-7 Aug 13 j 02:04:56 ●	-6 Dec 21 j 05:31:24 ● New	-4 Apr 28 j 20:11:18 ①
-8 Apr 13 j 18:13:41 ①	-7 Aug 20 j 21:52:09 ○ Full	-6 Dec 28 j 14:07:29 €	-4 May 06 j 06:01:03 ● New
-8 Apr 21 j 11:01:05 • New	-7 Aug 29 j 00:55:04 ①	-5 Jan 05 j 17:09:47 ○ Full	-4 May 14 j 09:19:59 ●
-8 Apr 28 j 06:34:53	-7 Sep 04 j 19:27:30 • New -7 Sep 11 j 13:27:09 •	-5 Jan 12 j 22:05:42	-4 May 21 j 12:33:18 ○ Full -4 May 28 j 02:33:35 ①
-8 May 13 j 11:30:20 ①	-7 Sep 19 j 15:10:12 O Full	-5 Jan 27 j 11:29:56 ©	-4 Jun 04 j 20:04:36 • New
-8 May 20 j 20:04:46 • New	-7 Sep 27 j 13:34:17 ①	-5 Feb 04 i 07:39:49 ○ Full	-4 Jun 12 j 23:14:59 ●
-8 May 27 j 11:40:33 ●	-7 Oct 04 j 04:41:14 ● New	-5 Feb 11 j 05:31:31 ①	-4 Jun 19 j 19:17:19 ○ Full
-8 Jun 03 j 22:55:57 ○ Full	-7 Oct 11 j 04:49:40 €	-5 Feb 18 j 07:03:11 ● New	-4 Jun 26 j 11:17:07 ①
-8 Jun 12 j 02:44:32 ●	-7 Oct 19 j 09:25:17 ○ Full	-5 Feb 26 j 07:59:08 ●	-4 Jul 04 j 10:59:46 ● New
-8 Jun 19 j 03:48:29 ● New	-7 Oct 27 j 00:06:34 ①	-5 Mar 05 j 19:24:05 ○ Full	-4 Jul 12 j 10:38:16 ●
-8 Jun 25 j 18:18:53 ●	-7 Nov 02 j 15:40:52 ● New	-5 Mar 12 j 12:18:37 ①	-4 Jul 19 j 02:02:20 ○ Full
-8 Jul 03 j 13:43:03 ○ Full	-7 Nov 09 j 23:50:37 ●	-5 Mar 19 j 21:31:07 ● New	-4 Jul 25 j 23:09:44 ①
-8 Jul 11 j 15:48:55 ①	-7 Nov 18 j 03:12:12 O Full	-5 Mar 28 j 01:46:52 ●	-4 Aug 03 j 02:32:41 ● New
-8 Jul 18 j 11:01:40 • New	-7 Nov 25 j 08:58:23 ①	-5 Apr 04 j 04:50:22 ○ Full	-4 Aug 10 j 19:44:53 ●
-8 Jul 25 j 03:51:44 ●	-7 Dec 02 j 04:35:02 • New	-5 Apr 10 j 19:31:51 ①	-4 Aug 17 j 10:01:08 O Full
-8 Aug 02 j 05:33:10 O Full	-7 Dec 09 j 21:18:30 ©	-5 Apr 18 j 12:53:22 ● New	-4 Aug 24 j 14:30:43 • Nove
-8 Aug 10 j 02:55:00	-7 Dec 17 j 19:05:37 ○ Full -7 Dec 24 j 17:01:01 ●	-5 Apr 26 j 16:09:08	-4 Sep 01 j 18:13:48 • New -4 Sep 09 j 03:16:09 •
-8 Aug 23 j 17:16:38 ●	-7 Dec 31 j 19:08:36 • New	-5 May 10 j 04:17:48 ①	-4 Sep 15 j 20:10:07 ○ Full
-8 Aug 31 j 21:43:33 ○ Full	-6 Jan 08 j 19:15:54 €	-5 May 18 j 04:26:15 • New	-4 Sep 23 j 09:06:34 ①
-8 Sep 08 j 12:21:23 ①	-6 Jan 16 j 08:21:07 ○ Full	-5 May 26 j 03:14:56 ●	-4 Oct 01 j 09:19:56 ● New
-8 Sep 15 j 03:33:04 ● New	-6 Jan 23 j 01:11:18 ①	-5 Jun 01 j 19:25:14 ○ Full	-4 Oct 08 j 10:15:05 ●
-8 Sep 22 j 10:42:18 ●	-6 Jan 30 j 10:57:41 ● New	-5 Jun 08 j 15:32:47 ●	-4 Oct 15 j 08:58:32 ○ Full
-8 Sep 30 j 13:38:29 ○ Full	-6 Feb 07 j 15:24:47 ●	-5 Jun 16 j 19:24:00 ● New	-4 Oct 23 j 06:02:05 ①
-8 Oct 07 j 20:34:27 ●	-6 Feb 14 j 19:06:18 ○ Full	-5 Jun 24 j 11:41:10 ●	-4 Oct 30 j 23:12:17 ● New
-8 Oct 14 j 14:45:52 • New	-6 Feb 21 j 10:14:16 ①	-5 Jul 01 j 02:19:15 ○ Full	-4 Nov 06 j 17:53:42 ●
-8 Oct 22 j 07:12:41 ①	-6 Mar 01 j 03:34:43 ● New	-5 Jul 08 j 05:47:17 ①	-4 Nov 14 j 00:25:33 O Full
-8 Oct 30 j 04:50:02 O Full	-6 Mar 16 i 04:00:24 ○ F::11	-5 Jul 16 j 09:22:43 • New	-4 Nov 22 j 03:32:47
-8 Nov 06 j 04:15:57 ① -8 Nov 13 j 04:50:23 ● New	-6 Mar 16 j 04:00:34 ○ Full -6 Mar 22 j 20:38:51 ①	-5 Jul 23 j 18:17:46 © -5 Jul 30 j 10:28:52 ○ Full	-4 Nov 29 j 11:30:23 ■ New -4 Dec 06 j 03:13:51 ■
-8 Nov 21 j 04:59:13 ©	-6 Mar 30 j 20:19:50 • New	-5 Aug 06 j 22:52:19 ①	-4 Dec 13 j 18:03:31 O Full
-8 Nov 28 j 18:50:24 ○ Full	-6 Apr 07 j 20:15:09 ●	-5 Aug 14 j 22:24:21 ● New	-4 Dec 21 j 23:23:10 ①
-8 Dec 05 j 12:24:08 ①	-6 Apr 14 j 11:51:38 ○ Full	-5 Aug 22 j 00:05:04 ●	-4 Dec 28 j 22:43:46 ● New
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-8 Dec 21 j 01:56:32 ●	-6 Apr 29 j 12:18:10 ● New	-5 Sep 05 j 17:57:47 Φ	-3 Jan 12 j 12:57:46 ○ Full
-8 Dec 28 j 07:13:33 ○ Full	-6 May 07 j 04:48:31 ●	-5 Sep 13 j 10:43:04 ● New	-3 Jan 20 j 15:40:21 ●
-7 Jan 03 j 22:00:05 ①	-6 May 13 j 19:25:25 ○ Full	-5 Sep 20 j 06:15:07 ●	-3 Jan 27 j 08:56:52 ● New
-7 Jan 11 j 15:56:01 ● New	-6 May 20 j 22:47:02 ●	-5 Sep 27 j 10:57:40 ○ Full	-3 Feb 03 j 04:37:46 ●
-7 Jan 19 j 20:15:56 ●	-6 May 29 j 02:37:48 ● New	-5 Oct 05 j 13:46:44 ①	-3 Feb 11 j 07:44:51 O Full
-7 Jan 26 j 17:50:15 ○ Full	-6 Jun 05 j 10:47:18 ●	-5 Oct 12 j 22:29:17 • New	-3 Feb 19 j 03:42:21 ①
-7 Feb 02 j 09:44:49 ①	-6 Jun 12 j 03:28:26 ○ Full	-5 Oct 19 j 14:07:33	-3 Feb 25 j 18:36:27 • New
-7 Feb 10 j 10:23:00 ● New	-6 Jun 19 j 14:49:12 ①	-5 Oct 27 j 04:01:36 ○ Full	-3 Mar 04 j 20:19:05
-7 Feb 18 j 10:47:20 ● -7 Feb 25 j 02:59:41 ○ Full	-6 Jun 27 j 14:56:20 • New -6 Jul 04 j 15:35:50 •	-5 Nov 04 j 08:53:05	-3 Mar 13 j 00:49:41 ○ Full -3 Mar 20 j 11:59:27 ●
-7 Mar 03 j 23:42:51 ①	-6 Jul 11 j 12:52:58 O Full	-5 Nov 18 j 00:53:16 €	-3 Mar 27 j 04:02:09 ● New
-7 Mar 12 j 03:38:22 ● New	-6 Jul 19 j 08:27:48 ①	-5 Nov 25 j 23:12:14 ○ Full	-3 Apr 03 j 13:20:35 ●
-7 Mar 19 j 21:13:18 ●	-6 Jul 27 j 01:32:18 ● New	-5 Dec 04 j 01:54:11 ①	-3 Apr 11 j 15:04:48 ○ Full
-7 Mar 26 j 11:26:02 ○ Full	-6 Aug 02 j 20:38:46 ●	-5 Dec 10 j 20:30:35 ● New	-3 Apr 18 j 17:44:21 ①
-7 Apr 02 j 15:25:12 ●	-6 Aug 10 j 00:35:14 ○ Full	-5 Dec 17 j 15:07:20 €	-3 Apr 25 j 13:41:34 ● New
-7 Apr 10 j 18:53:52 ● New	-6 Aug 18 j 02:45:27	-5 Dec 25 j 18:47:41 ○ Full	-3 May 03 j 07:00:31 ●

Phases of Moon from -100 through 00 (UT), Astrodienst AG 18-Feb-2025 13:22,

Attention, astronomical year style is used: The year -3 in astronomical counting style is the year 4 BCE in historical counting style.

- -3 May 11 j 02:19:28 Full -3 May 17 j 22:23:21 **①**
- -3 May 25 j 00:15:20 New
- -3 Jun 02 j 00:24:38
- -3 Jun 09 j 11:15:12 Full
- -3 Jun 16 j 03:21:08
- -3 Jun 23 j 12:29:38 New
- -3 Jul 01 j 16:35:46
- -3 Jul 08 j 18:59:54 Full
- -3 Jul 15 j 09:55:45 **①**
- -3 Jul 23 j 02:55:48 New
- -3 Jul 31 j 06:53:47
- -3 Aug 07 j 02:41:42 Full
- -3 Aug 13 j 19:17:28 **①**
- -3 Aug 21 j 19:25:41 New
- -3 Aug 29 j 19:08:07
- -3 Sep 05 j 11:12:44 Full
- -3 Sep 12 j 08:23:03 **①**
- -3 Sep 20 j 13:01:52 New -3 Sep 28 i 05:34:17 **●**
- -3 Oct 04 j 21:05:37 Full
- -3 Oct 12 i 01:37:27 **①**
- -3 Oct 20 j 06:20:57 New
- -3 Oct 27 i 14:42:13
- -3 Nov 03 j 08:41:12 Full
- -3 Nov 10 j 22:23:25
- -3 Nov 18 j 22:16:40 New
- -3 Nov 25 j 23:07:33
- -3 Dec 02 j 22:17:05 Full
- -3 Dec 10 j 20:44:59 **①**
- -3 Dec 18 j 12:21:50 New
- -3 Dec 25 j 07:29:10
- -2 Jan 01 j 14:00:53 Full
- -2 Jan 09 j 18:04:17 **①**
- -2 Jan 17 j 00:35:47 New
- -2 Jan 23 j 16:28:19 -2 Jan 31 j 07:26:48 ○ Full
- -2 Feb 08 j 12:15:23 **①**
- -2 Feb 15 j 11:04:46 New -2 Feb 22 j 02:45:31 **●**
- -2 Mar 02 j 01:23:28 Full
- -2 Mar 10 j 02:25:34 **①**
- -2 Mar 16 j 20:00:40 New
- -2 Mar 23 j 14:53:16
- -2 Mar 31 j 18:20:33 Full
- -2 Apr 08 j 12:44:24 ① -2 Apr 15 i 03:52:29 ● New
- -2 Apr 22 j 05:05:10
- -2 Apr 30 j 09:15:26 Full
- -2 May 07 j 19:57:05 **①**
- -2 May 14 j 11:32:56 New
- -2 May 21 j 21:06:44
- -2 May 29 j 21:55:49 Full
- -2 Jun 06 j 01:08:04 **①**
- -2 Jun 12 j 20:11:25 New
- -2 Jun 20 j 14:16:55
- -2 Jun 28 j 08:47:43 Full -2 Jul 05 j 05:35:12 **①**
- -2 Jul 12 j 06:56:04 New
- -2 Jul 20 j 07:43:31
- -2 Jul 27 j 18:31:41 Full
- -2 Aug 03 j 10:46:44 **①**
- -2 Aug 10 j 20:29:32 New
- -2 Aug 19 j 00:39:45
- -2 Aug 26 j 03:45:55 Full
- -2 Sep 01 j 18:14:42 **①**
- -2 Sep 09 j 12:48:22 New

- -2 Sep 17 j 16:28:06
- -2 Sep 24 j 13:02:06 Full
- -2 Oct 01 j 05:19:11 •
- -2 Oct 09 j 07:00:27 New
- -2 Oct 17 j 06:34:54
- -2 Oct 23 j 22:49:19 Full
- -2 Oct 30 j 20:40:37
- -2 Nov 08 j 01:46:29 New
- -2 Nov 15 j 18:32:18
- -2 Nov 22 j 09:37:37 Full
- -2 Nov 29 j 15:50:45 **①**
- -2 Dec 07 j 19:47:13 New
- -2 Dec 15 j 04:14:07
- -2 Dec 21 j 21:53:04 Full
- -2 Dec 29 j 13:10:49 **①** -1 Jan 06 j 11:57:33 ● New
- -1 Jan 13 j 12:10:15
- -1 Jan 20 j 11:44:33 Full -1 Jan 28 j 10:31:03 •
- -1 Feb 05 i 01:33:22 New
- -1 Feb 11 j 19:21:28
- -1 Feb 19 i 02:53:18 Full
- -1 Feb 27 i 05:58:38 **①**
- -1 Mar 06 j 12:21:47 New
- -1 Mar 13 j 02:58:29
- -1 Mar 20 j 18:39:36 Full
- -1 Mar 28 j 22:20:20
- -1 Apr 04 j 20:47:41 New
- -1 Apr 11 j 12:01:05
- -1 Apr 19 j 10:22:27 Full
- -1 Apr 27 j 11:05:01 -1 May 04 j 03:47:04 ● New
- -1 May 10 j 23:06:58
- -1 May 19 j 01:32:44 Full
- -1 May 26 j 20:22:10
- -1 Jun 02 j 10:31:38 New
- -1 Jun 09 j 12:31:11 -1 Jun 17 j 15:51:57 ○ Full
- -1 Jun 25 j 02:57:58 **①**
- -1 Jul 01 j 18:13:20 New
- -1 Jul 09 j 04:11:27
- -1 Jul 17 j 05:06:39 Full
- -1 Jul 24 j 08:06:28 **①**
- -1 Jul 31 j 03:52:00 New
- -1 Aug 07 j 21:50:22 -1 Aug 15 j 17:10:12 ○ Full
- -1 Aug 22 j 13:17:30 •
- -1 Aug 29 j 16:07:13 New
- -1 Sep 06 j 16:48:07
- -1 Sep 14 j 04:10:42 Full -1 Sep 20 j 20:02:33 **①**
- -1 Sep 28 j 07:13:55 New
- -1 Oct 06 j 11:52:53
- -1 Oct 13 j 14:34:37 Full
- -1 Oct 20 j 05:36:34 **①**
- -1 Oct 28 j 00:57:49 New
- -1 Nov 05 j 05:29:58 -1 Nov 12 j 00:57:23 ○ Full
- -1 Nov 18 j 18:38:30
- -1 Nov 26 j 20:25:50 New -1 Dec 04 j 20:18:00 **●**
- -1 Dec 11 j 11:46:09 Full
- -1 Dec 18 j 11:00:23 **①**
- -1 Dec 26 j 16:01:25 New