

ÖSTERREICHISCHE AKADEMIE DER WISSENSCHAFTEN  
PHILOSOPHISCH-HISTORISCHE KLASSE  
DENKSCHRIFTEN. 299. BAND

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ASTRONOMICAL  
DIARIES AND RELATED TEXTS  
FROM BABYLONIA

Volume V

Lunar and Planetary Texts

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VERLAG DER ÖSTERREICHISCHEN AKADEMIE DER WISSENSCHAFTEN  
WIEN 2001

## Table of Eclipses

Text	Tablet	Lines	Date	Type	Record	Comments
1	BM 41985	Obv. 2	-746 Feb 6	Lunar	Observation	
		Obv. 3-4	-746 Aug 2	Lunar	Observation	
		Obv. 5	-745 Jan 26	Lunar	Observation	
		Obv. 6	-745 Jul 22	Lunar	Observation	
		Obv. 7	-744 Jan 15	Lunar	Prediction	
		Obv. 8	-744 Jul 10	Lunar	Prediction	
2	BM 32238	Obv. I', 1'-3'	-730 Apr 9	Lunar	Prediction	
		Obv. II', 1'-3'	-712 Apr 19	Lunar	Observation	Wrongly filed?
		Obv. III', 1'-3'	-694 May 1	Lunar	Observation	
		Obv. IV', 1'	-676 May 11	Lunar	Prediction	
		Obv. 5', 1'-3'	-658 May 22	Lunar	Prediction	
		Rev. I', 1'-2'	-388 Oct 31	Lunar	Prediction	
		Rev. II', 1'-3'	-370 May 17	Lunar	Observation	
		Rev. II', 4'-14'	-370 Nov 11	Lunar	Observation	cf. BM 35333 (Diary)
		Rev. III', 1'	-352 May 28	Lunar	Prediction	
		Rev. III', 2'-10'	-352 Nov 22	Lunar	Observation	
		Rev. IV', 1'-2'	-334 Dec 3	Lunar	Prediction	
		Rev. V', 1'-4'	-316 Jun 18	Lunar	Observation	
		Rev V', 5'-12'	-316 Dec 13	Lunar	Observation	
3	BM 35115 + 35789 + 45640	Obv. I', 1'	-702 Sep 23	Lunar	Prediction	
		Obv. I', 2'-5'	-701 Mar 20	Lunar	Observation	
		Obv. II', 1-6	-685 Apr 22	Lunar	Observation	
		Obv. II', 8-9	-685 Oct 15	Lunar	Prediction	
		Obv. II', 1'-4'	-684 Oct 3	Lunar	Observation	
		Obv. II', 5'-6'	-683 Mar 30	Lunar	Prediction	
		Obv. III', 1-4	-667 May 2	Lunar	Prediction	
		Obv. III', 5-6	-667 Oct 23	Lunar	Prediction	
		Obv. III', 1'-3'	-666 Oct 15	Lunar	Observation	
		Obv. III', 4'-6'	-665 Apr 10	Lunar	Observation	
		Obv. IV', 1-4	-649 May 13	Lunar	Prediction	
		Obv. IV', 5-8	-649 Nov 6	Lunar	Observation	
		Obv. V', 1-6	-631 May 24	Lunar	Observation	
		Rev. I', 1'-2'	-414 Mar 26	Lunar	Prediction	
		Rev. I', 3'-8'	-414 Sep 19	Lunar	Observation	Wrongly filed?
		Rev. I', 9'-12'	-413 Mar 16	Lunar	Prediction	
		Rev. II', 1'	-397 Oct 12	Lunar	Prediction	
		Rev. II', 2'-8'	-396 Apr 5	Lunar	Observation	
		Rev. II', 9'-11'	-396 Sep 30	Lunar	Observation	Wrongly filed?
		Rev. II', 12'-13'	-395 Mar 26	Lunar	Prediction	
		Rev. II', 14'-15'	-395 Sep 13	Lunar	Unclear	
		Rev. III', 1'-2'	-379 Oct 24	Lunar	Prediction	
		Rev. III', 3'-9'	-378 Apr 17	Lunar	Observation	Wrongly filed?
		Rev. III', 10'-11'	-378 Oct 11	Lunar	Prediction	
		Rev. III', 12'-20'	-377 Apr 6	Lunar	Observation	
		Rev. III', 2'-5'	-359 Apr 17	Lunar	Observation	
4	BM 32234	Obv. I', 1'-8'	-608 Sep 4	Lunar	Observation	
		Obv. II', 1'-2'	-590 Mar 22	Lunar	Observation	cf. BM 38462 (Eclipse Text)
		Obv. II', 3'-5'	-590 Sep 15	Lunar	Prediction	cf. BM 38462 (Eclipse Text)
		Obv. II', 6'-7'	-589 Mar 12	Lunar	Prediction	cf. BM 38462 (Eclipse Text)

Text	Tablet	Lines	Date	Type	Record	Comments
		Obv. III <sup>o</sup> , 1'-8'	-572 Apr 2	Lunar	Observation	
		Obv. III <sup>o</sup> , 9'-11'	-572 Sep 25	Lunar	Prediction	
		Obv. III <sup>o</sup> , 12'-13'	-571 Mar 22	Lunar	Unclear	
		Obv. IV <sup>o</sup> , 2'-8'	-554 Oct 6	Lunar	Observation	
		Obv. IV <sup>o</sup> , 9'	-553 Apr 3	Lunar	Unclear	
		Obv. V <sup>o</sup> , 1'-3'	-536 Apr 23	Lunar	Observation	
		Obv. V <sup>o</sup> , 4'-10'	-536 Oct 17	Lunar	Observation	
		Rev. I <sup>o</sup> , 1'-4'	-518 Oct 28	Lunar	Prediction	
		Rev. II <sup>o</sup> , 1'-6'	-500 Nov 7	Lunar	Observation	
		Rev. III <sup>o</sup> , 1'-6'	-482 Nov 19	Lunar	Observation	
		Rev. IV <sup>o</sup> , 1'-3'	-464 Jun 5	Lunar	Observation	
		Rev. IV <sup>o</sup> , 5'-9'	-464 Nov 29	Lunar	Observation	
		Rev. V <sup>o</sup> , 1'-2'	-446 Dec 11	Lunar	Unclear	
5	BM 38357	Obv. I, 4'-10'	-611 Nov 5	Lunar	Observation	
		Obv. II, 7'-15'	-609 Sep 15	Lunar	Observation	
		Rev. I, 1-9	-607 Aug 24	Lunar	Observation	Date Uncertain
6	BM 38462	Obv. I, 1	-603 Jun 13	Lunar	Prediction	
		Obv. I, 2	-603 Dec 6	Lunar	Prediction	
		Obv. I, 3	-602 May 3	Lunar	Prediction	
		Obv. I, 4-6	-602 Oct 27	Lunar	Observation	
		Obv. I, 7	-601 Apr 22	Lunar	Prediction	
		Obv. I, 7	-601 Oct 17	Lunar	Prediction	
		Obv. I, 8-10	-600 Apr 11	Lunar	Observation	
		Obv. I, 11	-600 Oct 5	Lunar	Prediction	
		Obv. I, 12	-599 Mar 31	Lunar	Prediction	
		Obv. I, 12	-599 Sep 24	Lunar	Prediction	
		Obv. I, 13-15	-598 Feb 20	Lunar	Observation	
		Obv. II, 1-2	-594 Nov 27	Lunar	Observation	
		Obv. II, 3-4	-593 May 23	Lunar	Observation	
		Obv. II, 4	-593 Nov 17	Lunar	Prediction	
		Obv. II, 5	-592 May 12	Lunar	Prediction	
		Obv. II, 5	-592 Nov 5	Lunar	Prediction	
		Obv. II, 6-7	-591 Apr 2	Lunar	Observation	
		Obv. II, 8	-591 Sep 26	Lunar	Prediction	
		Obv. II, 9	-590 Mar 22	Lunar	Observation	cf. BM 32234 (Eclipse Text)
		Obv. II, 10	-590 Sep 15	Lunar	Prediction	cf. BM 32234 (Eclipse Text)
		Obv. II, 11'	-589 Mar 12	Lunar	Prediction	cf. BM 32234 (Eclipse Text)
		Obv. II, 12	-589 Sep 4	Lunar	Prediction	
		Obv. II, 12	-588 Feb 29	Lunar	Prediction	
		Obv. II, 13	-588 Jul 25	Lunar	Prediction	
		Obv. II, 14-15	-587 Jan 19	Lunar	Observation	
		Obv. II, 16	-587 Jul 15	Lunar	Prediction	
		Obv. II, 17-18	-586 Jan 8	Lunar	Observation	
		Rev. III, 1'-2'	-579 Feb 19	Lunar	Observation	
		Rev. III, 3'	-579 Aug 15	Lunar	Observation	
		Rev. III, 4'	-578 Feb 8	Lunar	Unclear	
		Rev. III, 5'	-578 Aug 4	Lunar	Prediction	
		Rev. III, 5'	-577 Jan 28	Lunar	Prediction	
		Rev. III, 6'	-577 Jun 25	Lunar	Prediction	
		Rev. III, 6'	-577 Dec 19	Lunar	Prediction	
		Rev. III, 7'-9'	-576 Jun 14	Lunar	Observation	
		Rev. III, 10'-12'	-576 Dec 8	Lunar	Observation	
		Rev. III, 13'-14'	-575 Jun 3	Lunar	Observation	

Text	Tablet	Lines	Date	Type	Record	Comments
7	BM 41536	II', 1'	-562 Mar 13	Lunar	Unclear	
		II', 2'-4'	-562 Sep 5	Lunar	Observation	
		II', 5'-8'	-561 Mar 3	Lunar	Observation	
8	BM 36879	Obv. I, 13'	-528 Nov 17	Lunar	Observation	
		Rev. I, 1'	-527 Nov 6	Lunar	Prediction	
		Rev. I, 2'	-526 Apr 4	Lunar	Prediction	
		Rev. I, 3'	-526 Sep 27	Lunar	Prediction	
		Rev. I, 4'	-525 Mar 24	Lunar	Prediction	
		Rev. I, 5'	-525 Sep 17	Lunar	Observation	
9	BM 34684 BM 34787	Rev. I', 1'-3'	-441 Mar 25	Lunar	Observation	
		Rev. I', 6'	-440 Mar 13	Lunar	Prediction	
		Rev. I', 7'	-440 Aug 7	Lunar	Prediction	
		Rev. I', 8'-10'	-439 Feb 2	Lunar	Observation	
		Rev. I', 11'	-439 Jul 28	Lunar	Prediction	
		Rev. II', 4'-5'	-423 Sep 28	Lunar	Observation	
		Rev. II', 6'	-422 Mar 27	Lunar	Prediction	
		Rev. II', 7'	-422 Aug 20	Lunar	Prediction	
		Rev. II', 8'	-421 Feb 13	Lunar	Prediction	
		Rev. II', 9'	-421 Aug 18	Lunar	Prediction	
		Rev. II', 10'-12'	-420 Feb 2	Lunar	Observation	
		Obv. 1'	-409 Jun 28	Lunar	Prediction	
		Obv. 3'-5'	-409 Dec 21	Lunar	Observation	
		Obv. 6'-7'	-408 Jun 16	Lunar	Observation	
		Obv. 8'	-408 Nov 11	Lunar	Prediction	
		Obv. 9'	-407 May 7	Lunar	Prediction	
		Obv. 10'-12'	-407 Oct 31	Lunar	Observation	
		Rev. III', 1-3	-406 Apr 26	Lunar	Prediction	
		Rev. III', 4-6	-406 Oct 21	Lunar	Observation	
		Rev. III', 7-8	-405 Apr 15	Lunar	Observation	
Rev. III', 9-10	-405 Oct 10	Lunar	Observation			
10	BM 37088 + 37652	I', 1'-2'	-382 Dec 23	Lunar	Prediction	
		I', 3'-4'	-381 Jun 18	Lunar	Observation	
		I', 5'-6'	-381 Dec 12	Lunar	Observation	
		II', 1'-3'	-363 Jan 2	Lunar	Observation	
		II', 4'-5'	-363 Jun 29	Lunar	Observation	
		II', 6'-8'	-363 Dec 23	Lunar	Observation	
II', 9'-10'	-362 Jun 18	Lunar	Observation			
11	BM 71537	Rev. I, 7'	-374 Feb 18	Solar	Prediction	
		Obv. I, 1'-4'	-374 Aug 13	Solar	Prediction	
		Obv. I, 5'-7'	-373 Feb 7	Solar	Prediction	
		Obv. I, 8'-10'	-373 Jul 4	Solar	Prediction	
		Obv. I, 11'-12'	-373 Dec 29	Solar	Prediction	
		Rev. II, 2'-4'	-357 Mar 11	Solar	Prediction	
		Rev. II, 5'-6'	-357 Sep 4	Solar	Prediction	
		Rev. II, 7'	-356 Feb 29	Solar	Unclear	cf. BM 36913 (Diary)
		Obv. II, 1'-4'	-356 Aug 23	Solar	Prediction	
		Obv. II, 5'-6'	-355 Feb 18	Solar	Prediction	
		Obv. II, 8'-10'	-355 Jul 16	Solar	Prediction	
		Obv. II, 11'-12'	-354 Jan 8	Solar	Prediction	
		Obv. II, 13'-14'	-354 Jul 4	Solar	Prediction	
		Rev. III, 2'-4'	-339 Mar 24	Solar	Prediction	
		Rev. III, 4'-6'	-339 Sep 15	Solar	Unclear	
		Rev. III, 7'	-338 Mar 11	Solar	Prediction	
		Obv. III, 1'-4'	-338 Sep 4	Solar	Observation	

Text	Tablet	Lines	Date	Type	Record	Comments
		Obv. III, 5'-7'	-337 Mar 1	Solar	Prediction	
		Obv. III, 8'	-337 Jul 24	Solar	Prediction	
		Obv. III, 11'	-336 Jan 20	Solar	Prediction	
		Obv. IV, 6'-7'	-319 Mar 11	Solar	Prediction	
		Obv. IV, 8'-10'	-319 Aug 4	Solar	Prediction	
		Obv. IV, 11'-12'	-318 Jan 30	Solar	Prediction	
12	BM 36612 + 37043 + 37107	Rev. II, 1	-327 Jan 24	Lunar	Prediction	
		Rev. II, 2	-327 Jul 20	Lunar	Prediction	
		Rev. II, 3-8	-326 Jan 14	Lunar	Observation	cf. BM 36612 (Eclipse Text)
		Rev. II, 9-11	-326 Jul 9	Lunar	Observation	
		Rev. II, 12-15	-325 Jan 3	Lunar	Observation	
13	BM 37276	Rev. 1-2		Solar	Unclear	
		Rev. 3		Solar	Prediction	
		Rev. 4		Solar	Prediction	
		Rev. 5-6		Solar ?	Unclear	
14	BM 41800		-283 Mar 17	Lunar	Observation	
15	BM 48090	1'-3'	-279 Dec 26	Lunar	Prediction	
		4'-5'	-278 Jun 19	Lunar	Prediction	
		6'-7'	-278 Nov 15	Lunar	Prediction	
		8'-9'	-277 May 10	Lunar	Prediction	
		10'	-277 Nov 3	Lunar	Prediction	
16	BM 34236	Obv. II', 1	-194 Nov 16	Lunar	Prediction	cf. BM 42053 (Eclipse Text) cf. BM 34048 (Goal-year Text)
		Obv. II', 2-3	-193 May 11	Lunar	Prediction	
		Obv. II', 4-6	-193 Nov 5	Lunar	Observation	cf. BM 35331 (Diary)
		Rev. I', 1'-3'	-159 Jan 26	Lunar	Observation	cf. BM 46003 (Diary)
		Rev. I', 4'	-159 Jul 23	Lunar	Prediction	
17	BM 42053	Obv. 1'-2'	-194 Jun 20	Lunar	Prediction	cf. BM 41477 (Diary) cf. BM 34048 (Goal-year Text)
		Obv. 3'	-194 Nov 15	Lunar	Unclear	cf. BM 34236 (Eclipse Text) cf. BM 34048 (Goal-year Text)
		Rev. 1-3	-177 Jul 12	Lunar	Observation	
18	BM 33643		-189 Feb 28	Lunar	Observation	
19	BM 33812		-189 Mar 14	Solar	Observation	
20	BM 41129		-153 Mar 21	Lunar	Observation	
21	BM 33982		-128 Nov 5	Lunar	Observation	
22	BM 45845		-119 Jun 1	Lunar	Observation	cf. BM 35759 + ... (Diary)

Text	Tablet	Lines	Date	Type	Record	Comments
23	BM 34963 + 35198 + 35238	Obv. IV, 6'-8'	-88 Sep 15	Lunar	Observation	cf. BM Rm 695 + ... (Diary)
		Rev. V, 1'-7'	-88 Sep 29	Solar	Observation	
		Rev. VII, 13'-14'	-86 Feb 14	Solar	Prediction	
		Rev. VII, 17'-20'	-86 Feb 28	Lunar	Observation	
24	BM 42145		-80 Apr 21	Lunar	Observation	cf. BM 46227 (Diary) cf. BM 42025 (Horoscope)
25	BM 33562A		-79 Apr 10	Lunar	Observation	
26	BM 42073		-79 Oct 5	Lunar	Observation	
27	BM 45628		-66 Jan 19	Lunar	Observation	Duplicate of BM 41565
28	BM 41565		-66 Jan 19	Lunar	Observation	Duplicate of BM 45628
29	BM 34940		-65 Jan 8	Lunar	Observation	
30	BM 32845		-65 Dec 28	Lunar	Observation	
31	BM 35606		-9 Jun 30	Solar	Observation	
32	84-2-11 frag.			Lunar	Observation	Undated
33	BM 45667 + 45856			Lunar		Undated list of consecutive lunar eclipse possibilities
34	BM 34576	Rev. 28'-32'			Saros Tablet	Undated lunar eclipse report?
35	BM 32363	I', 5'	-663 Aug 3	Lunar	Calculation	Theoretical Text
		II', 1'-2'	-646 Oct 4	Lunar	Calculation	
		II', 3'-4'	-645 Mar 1	Lunar	Calculation	
		II', 5'-6'	-645 Aug 25	Lunar	Calculation	
		III', 1'-2'	-628 Oct 15	Lunar	Calculation	
		III', 3'-4'	-627 Mar 11	Lunar	Calculation	
		III', 5'-6'	-627 Sep 4	Lunar	Calculation	
		III', 7'-8'	-626 Mar 1	Lunar	Calculation	
		IV', 1'	-610 Oct 26	Lunar	Calculation	
		IV', 3'-4'	-609 Mar 22	Lunar	Calculation	
		IV', 5'-6'	-609 Sep 16	Lunar	Calculation	
		IV', 7'	-609 Mar 11	Lunar	Calculation	
		IV', 9'-10'	-608 Sep 4	Lunar	Calculation	
		IV', 11'	-607 Mar 1	Lunar	Calculation	
		V', 1'	-592 Nov 5	Lunar	Calculation	
		V', 3'-4'	-591 Apr 2	Lunar	Calculation	
		V', 5'-6'	-591 Sep 26	Lunar	Calculation	
		V', 7'-8'	-590 Mar 22	Lunar	Calculation	
		V', 9'-10'	-590 Sep 15	Lunar	Calculation	
		V', 11'-12'	-589 Mar 12	Lunar	Calculation	
V', 13'-14'	-589 Sep 4	Lunar	Calculation			
VI', 1'-2'	-574 Nov 17	Lunar	Calculation			
VI', 3'-4'	-573 Apr 13	Lunar	Calculation			