

# LEVER et COUCHER de la LUNE 2024

AST0421F – 07 août 2019

Date (UTC)	Lever		Méridien		Coucher	
	heure (TU)	azimut	heure (TU)	hauteur	heure (TU)	azimut
2024-01-01	21:57	79°21'	3:56	57°12'	10:47	284°08'
2024-01-02	22:59	87°23'	4:36	51°39'	11:04	276°28'
2024-01-03			5:15	45°53'	11:20	268°35'
2024-01-04	0:02	95°34'	5:55	40°02'	11:37	260°38'
2024-01-05	1:06	103°45'	6:36	34°17'	11:55	252°47'
2024-01-06	2:13	111°42'	7:20	28°50'	12:17	245°14'
2024-01-07	3:24	119°08'	8:08	23°58'	12:43	238°22'
2024-01-08	4:37	125°28'	9:01	20°02'	13:18	232°44'
2024-01-09	5:51	129°56'	9:59	17°30'	14:04	229°11'
2024-01-10	6:59	131°36'	11:02	16°48'	15:05	228°34'
2024-01-11	7:57	129°55'	12:06	18°11'	16:19	231°23'
2024-01-12	8:42	125°07'	13:08	21°36'	17:41	237°17'
2024-01-13	9:17	117°57'	14:06	26°43'	19:05	245°23'
2024-01-14	9:45	109°18'	15:00	32°60'	20:27	254°46'
2024-01-15	10:08	99°54'	15:51	39°55'	21:47	264°42'
2024-01-16	10:29	90°18'	16:39	47°01'	23:03	274°37'
2024-01-17	10:50	80°53'	17:27	53°53'		
2024-01-18	11:11	72°01'	18:15	60°10'	0:19	284°07'
2024-01-19	11:36	64°03'	19:05	65°34'	1:34	292°49'
2024-01-20	12:05	57°21'	19:57	69°48'	2:49	300°18'
2024-01-21	12:42	52°23'	20:52	72°36'	4:01	306°06'
2024-01-22	13:27	49°39'	21:47	73°49'	5:09	309°42'
2024-01-23	14:21	49°27'	22:42	73°24'	6:08	310°46'
2024-01-24	15:23	51°45'	23:35	71°27'	6:57	309°17'
2024-01-25	16:29	56°09'			7:36	305°37'
2024-01-26	17:36	62°05'	0:24	68°14'	8:06	300°18'
2024-01-27	18:42	69°03'	1:10	63°60'	8:31	293°52'
2024-01-28	19:46	76°40'	1:53	59°02'	8:51	286°42'
2024-01-29	20:48	84°38'	2:34	53°35'	9:09	279°06'
2024-01-30	21:51	92°46'	3:13	47°52'	9:25	271°17'
2024-01-31	22:53	100°54'	3:51	42°02'	9:41	263°22'
2024-02-01	23:58	108°52'	4:31	36°17'	9:59	255°33'
2024-02-02			5:13	30°47'	10:18	247°58'
2024-02-03	1:06	116°23'	5:58	25°45'	10:41	240°56'
2024-02-04	2:16	123°06'	6:47	21°29'	11:11	234°50'
2024-02-05	3:29	128°23'	7:42	18°21'	11:50	230°19'
2024-02-06	4:38	131°25'	8:41	16°45'	12:42	228°14'
2024-02-07	5:41	131°24'	9:44	17°05'	13:49	229°19'
2024-02-08	6:32	128°06'	10:47	19°30'	15:08	233°45'
2024-02-09	7:12	121°56'	11:48	23°53'	16:33	240°60'
2024-02-10	7:43	113°43'	12:45	29°48'	17:59	250°08'
2024-02-11	8:09	104°17'	13:39	36°44'	19:23	260°17'
2024-02-12	8:31	94°19'	14:30	44°07'	20:44	270°42'
2024-02-13	8:53	84°22'	15:20	51°26'	22:03	280°51'
2024-02-14	9:14	74°53'	16:10	58°14'	23:21	290°13'
2024-02-15	9:38	66°17'	17:01	64°09'		
2024-02-16	10:07	58°57'	17:53	68°52'	0:38	298°23'
2024-02-17	10:41	53°21'	18:47	72°08'	1:53	304°53'
2024-02-18	11:24	49°54'	19:43	73°49'	3:03	309°12'
2024-02-19	12:15	48°58'	20:38	73°51'	4:05	311°01'
2024-02-20	13:15	50°34'	21:31	72°21'	4:57	310°14'
2024-02-21	14:20	54°23'	22:21	69°29'	5:38	307°10'
2024-02-22	15:26	59°54'	23:07	65°33'	6:10	302°18'

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2024-02-23	16:32	66°36'	23:51	60°47'	6:36	296°10'
2024-02-24	17:37	74°04'			6:57	289°11'
2024-02-25	18:40	81°60'	0:32	55°26'	7:15	281°39'
2024-02-26	19:42	90°09'	1:12	49°45'	7:31	273°50'
2024-02-27	20:45	98°21'	1:50	43°54'	7:47	265°53'
2024-02-28	21:48	106°23'	2:30	38°05'	8:04	257°59'
2024-02-29	22:54	114°03'	3:10	32°28'	8:22	250°19'
2024-03-01			3:53	27°18'	8:44	243°07'
2024-03-02	0:03	121°01'	4:40	22°47'	9:10	236°43'
2024-03-03	1:13	126°49'	5:31	19°15'	9:44	231°37'
2024-03-04	2:22	130°45'	6:27	17°03'	10:29	228°30'
2024-03-05	3:26	132°05'	7:26	16°31'	11:27	228°08'
2024-03-06	4:21	130°21'	8:27	17°55'	12:38	230°55'
2024-03-07	5:04	125°37'	9:28	21°16'	13:59	236°44'
2024-03-08	5:39	118°27'	10:26	26°22'	15:24	244°55'
2024-03-09	6:07	109°35'	11:22	32°51'	16:49	254°40'
2024-03-10	6:31	99°42'	12:15	40°10'	18:12	265°12'
2024-03-11	6:53	89°27'	13:06	47°46'	19:35	275°52'
2024-03-12	7:15	79°21'	13:57	55°08'	20:56	286°04'
2024-03-13	7:38	69°55'	14:50	61°46'	22:17	295°13'
2024-03-14	8:06	61°39'	15:43	67°15'	23:36	302°46'
2024-03-15	8:38	55°02'	16:39	71°15'		
2024-03-16	9:19	50°37'	17:36	73°34'	0:51	308°09'
2024-03-17	10:09	48°45'	18:32	74°10'	1:58	310°56'
2024-03-18	11:07	49°34'	19:26	73°07'	2:54	310°59'
2024-03-19	12:11	52°47'	20:18	70°38'	3:39	308°33'
2024-03-20	13:17	57°51'	21:05	66°60'	4:14	304°10'
2024-03-21	14:23	64°14'	21:50	62°28'	4:41	298°22'
2024-03-22	15:28	71°30'	22:31	57°17'	5:03	291°36'
2024-03-23	16:32	79°19'	23:11	51°40'	5:22	284°13'
2024-03-24	17:34	87°27'	23:50	45°49'	5:39	276°27'
2024-03-25	18:37	95°43'			5:55	268°29'
2024-03-26	19:40	103°53'	0:29	39°56'	6:11	260°29'
2024-03-27	20:46	111°45'	1:09	34°11'	6:28	252°40'
2024-03-28	21:54	119°01'	1:52	28°49'	6:49	245°15'
2024-03-29	23:03	125°14'	2:37	24°04'	7:13	238°32'
2024-03-30			3:27	20°12'	7:44	232°59'
2024-03-31	0:12	129°48'	4:20	17°33'	8:24	229°10'
2024-04-01	1:17	132°04'	5:17	16°26'	9:16	227°48'
2024-04-02	2:14	131°30'	6:16	17°04'	10:21	229°20'
2024-04-03	2:60	128°01'	7:14	19°33'	11:36	233°49'
2024-04-04	3:36	122°02'	8:12	23°47'	12:56	240°47'
2024-04-05	4:06	114°08'	9:06	29°29'	14:18	249°36'
2024-04-06	4:31	104°55'	9:59	36°16'	15:41	259°35'
2024-04-07	4:53	94°57'	10:50	43°41'	17:02	270°09'
2024-04-08	5:15	84°45'	11:41	51°14'	18:24	280°41'
2024-04-09	5:37	74°49'	12:34	58°23'	19:46	290°36'
2024-04-10	6:03	65°42'	13:28	64°39'	21:09	299°15'
2024-04-11	6:33	57°60'	14:24	69°34'	22:29	305°58'
2024-04-12	7:11	52°18'	15:23	72°47'	23:43	310°05'
2024-04-13	7:59	49°11'	16:21	74°09'		
2024-04-14	8:55	48°55'	17:18	73°43'	0:46	311°18'
2024-04-15	9:59	51°19'	18:12	71°43'	1:36	309°45'
2024-04-16	11:06	55°51'	19:02	68°25'	2:15	305°57'

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Date (UTC)	Lever		Méridien		Coucher	
2024-04-17	12:13	61°53'	19:47	64°08'	2:45	300°32'
2024-04-18	13:18	68°54'	20:30	59°08'	3:08	294°02'
2024-04-19	14:22	76°34'	21:10	53°38'	3:28	286°50'
2024-04-20	15:25	84°37'	21:49	47°51'	3:45	279°10'
2024-04-21	16:27	92°51'	22:28	41°57'	4:02	271°15'
2024-04-22	17:31	101°06'	23:08	36°07'	4:18	263°14'
2024-04-23	18:36	109°09'	23:50	30°34'	4:35	255°18'
2024-04-24	19:44	116°43'			4:54	247°40'
2024-04-25	20:54	123°22'	0:35	25°32'	5:17	240°37'
2024-04-26	22:04	128°33'	1:23	21°19'	5:46	234°36'
2024-04-27	23:10	131°35'	2:16	18°15'	6:23	230°10'
2024-04-28			3:12	16°39'	7:12	228°00'
2024-04-29	0:09	131°54'	4:10	16°44'	8:12	228°38'
2024-04-30	0:58	129°20'	5:08	18°37'	9:23	232°09'
2024-05-01	1:37	124°14'	6:04	22°12'	10:40	238°11'
2024-05-02	2:08	117°09'	6:58	27°15'	11:59	246°08'
2024-05-03	2:33	108°40'	7:50	33°26'	13:19	255°23'
2024-05-04	2:55	99°18'	8:40	40°23'	14:37	265°23'
2024-05-05	3:16	89°28'	9:29	47°41'	15:57	275°41'
2024-05-06	3:38	79°37'	10:19	54°55'	17:17	285°45'
2024-05-07	4:01	70°12'	11:12	61°36'	18:39	295°01'
2024-05-08	4:29	61°46'	12:07	67°13'	20:01	302°46'
2024-05-09	5:03	54°58'	13:05	71°20'	21:19	308°18'
2024-05-10	5:47	50°29'	14:05	73°39'	22:29	310°57'
2024-05-11	6:40	48°50'	15:04	74°02'	23:26	310°36'
2024-05-12	7:43	50°08'	16:01	72°39'		
2024-05-13	8:50	53°55'	16:54	69°47'	0:11	307°38'
2024-05-14	9:59	59°30'	17:42	65°48'	0:45	302°43'
2024-05-15	11:06	66°16'	18:26	61°00'	1:11	296°31'
2024-05-16	12:11	73°46'	19:07	55°39'	1:33	289°29'
2024-05-17	13:14	81°41'	19:47	49°58'	1:51	281°57'
2024-05-18	14:16	89°51'	20:26	44°06'	2:07	274°08'
2024-05-19	15:19	98°05'	21:05	38°15'	2:24	266°10'
2024-05-20	16:24	106°13'	21:46	32°35'	2:40	258°12'
2024-05-21	17:31	113°60'	22:30	27°19'	2:59	250°26'
2024-05-22	18:40	121°04'	23:18	22°45'	3:20	243°08'
2024-05-23	19:51	126°52'			3:47	236°39'
2024-05-24	21:01	130°43'	0:10	19°13'	4:22	231°34'
2024-05-25	22:03	131°56'	1:05	17°05'	5:08	228°34'
2024-05-26	22:56	130°12'	2:04	16°37'	6:05	228°18'
2024-05-27	23:38	125°46'	3:03	17°60'	7:14	231°01'
2024-05-28			4:00	21°07'	8:30	236°23'
2024-05-29	0:11	119°13'	4:55	25°45'	9:48	243°48'
2024-05-30	0:37	111°12'	5:46	31°33'	11:06	252°34'
2024-05-31	0:60	102°15'	6:35	38°09'	12:23	262°08'
2024-06-01	1:20	92°48'	7:23	45°10'	13:40	272°04'
2024-06-02	1:41	83°12'	8:11	52°15'	14:57	281°56'
2024-06-03	2:03	73°52'	9:01	58°58'	16:16	291°18'
2024-06-04	2:28	65°13'	9:54	64°55'	17:36	299°33'
2024-06-05	2:58	57°48'	10:50	69°38'	18:55	306°01'
2024-06-06	3:37	52°18'	11:49	72°45'	20:09	309°59'
2024-06-07	4:26	49°22'	12:49	73°60'	21:12	310°57'
2024-06-08	5:26	49°23'	13:47	73°22'	22:03	309°02'
2024-06-09	6:32	52°11'	14:43	71°04'	22:42	304°49'

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Date (UTC)	Lever		Méridien		Coucher	
2024-06-10	7:42	57°10'	15:33	67°27'	23:12	299°01'
2024-06-11	8:51	63°35'	16:20	62°54'	23:35	292°12'
2024-06-12	9:57	70°55'	17:03	57°41'	23:55	284°47'
2024-06-13	11:02	78°44'	17:43	52°05'		
2024-06-14	12:04	86°50'	18:22	46°17'	0:12	277°02'
2024-06-15	13:06	95°01'	19:01	40°26'	0:28	269°07'
2024-06-16	14:10	103°09'	19:41	34°42'	0:45	261°11'
2024-06-17	15:15	111°03'	20:24	29°18'	1:02	253°23'
2024-06-18	16:24	118°24'	21:09	24°27'	1:22	245°54'
2024-06-19	17:35	124°46'	21:60	20°29'	1:47	239°05'
2024-06-20	18:46	129°28'	22:55	17°45'	2:19	233°23'
2024-06-21	19:52	131°45'	23:53	16°38'	3:00	229°29'
2024-06-22	20:50	131°03'			3:54	228°08'
2024-06-23	21:36	127°23'	0:54	17°22'	5:01	229°51'
2024-06-24	22:12	121°19'	1:53	19°59'	6:17	234°31'
2024-06-25	22:41	113°32'	2:50	24°16'	7:36	241°30'
2024-06-26	23:05	104°43'	3:43	29°51'	8:56	250°04'
2024-06-27	23:26	95°21'	4:33	36°19'	10:14	259°32'
2024-06-28	23:46	85°50'	5:21	43°16'	11:30	269°23'
2024-06-29			6:09	50°18'	12:46	279°12'
2024-06-30	0:07	76°31'	6:57	57°03'	14:03	288°34'
2024-07-01	0:30	67°47'	7:48	63°09'	15:21	297°02'
2024-07-02	0:58	60°06'	8:41	68°12'	16:39	304°01'
2024-07-03	1:33	53°60'	9:38	71°49'	17:53	308°51'
2024-07-04	2:17	50°08'	10:36	73°44'	18:60	310°56'
2024-07-05	3:12	49°02'	11:35	73°49'	19:55	310°06'
2024-07-06	4:16	50°48'	12:32	72°09'	20:38	306°42'
2024-07-07	5:25	55°00'	13:24	68°60'	21:11	301°25'
2024-07-08	6:35	60°58'	14:13	64°44'	21:37	294°53'
2024-07-09	7:43	68°04'	14:57	59°42'	21:58	287°36'
2024-07-10	8:48	75°47'	15:39	54°11'	22:16	279°54'
2024-07-11	9:52	83°51'	16:18	48°24'	22:33	272°01'
2024-07-12	10:54	92°02'	16:57	42°34'	22:49	264°05'
2024-07-13	11:56	100°10'	17:36	36°48'	23:06	256°15'
2024-07-14	13:00	108°07'	18:17	31°18'	23:24	248°42'
2024-07-15	14:07	115°38'	19:01	26°15'	23:47	241°39'
2024-07-16	15:16	122°24'	19:49	21°56'		
2024-07-17	16:27	127°50'	20:41	18°40'	0:15	235°29'
2024-07-18	17:35	131°13'	21:38	16°50'	0:51	230°46'
2024-07-19	18:37	131°49'	22:39	16°46'	1:40	228°15'
2024-07-20	19:29	129°19'	23:39	18°38'	2:41	228°39'
2024-07-21	20:10	124°01'			3:55	232°12'
2024-07-22	20:42	116°37'	0:39	22°22'	5:16	238°31'
2024-07-23	21:08	107°50'	1:35	27°40'	6:38	246°50'
2024-07-24	21:30	98°20'	2:27	34°04'	7:59	256°20'
2024-07-25	21:51	88°34'	3:17	41°06'	9:18	266°24'
2024-07-26	22:12	78°60'	4:06	48°19'	10:36	276°29'
2024-07-27	22:34	69°59'	4:55	55°18'	11:53	286°09'
2024-07-28	23:00	61°57'	5:45	61°39'	13:11	294°58'
2024-07-29	23:33	55°23'	6:37	67°00'	14:28	302°24'
2024-07-30			7:32	71°02'	15:43	307°51'
2024-07-31	0:13	50°51'	8:29	73°27'	16:52	310°46'
2024-08-01	1:04	48°54'	9:27	74°06'	17:50	310°51'
2024-08-02	2:04	49°44'	10:24	72°59'	18:36	308°16'

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Date (UTC)	Lever		Méridien		Coucher	
2024-08-03	3:11	53°10'	11:17	70°20'	19:12	303°35'
2024-08-04	4:21	58°35'	12:07	66°26'	19:40	297°25'
2024-08-05	5:29	65°21'	12:53	61°38'	20:02	290°20'
2024-08-06	6:36	72°55'	13:35	56°14'	20:21	282°43'
2024-08-07	7:40	80°56'	14:15	50°29'	20:38	274°50'
2024-08-08	8:43	89°08'	14:54	44°37'	20:54	266°52'
2024-08-09	9:45	97°20'	15:33	38°48'	21:10	258°59'
2024-08-10	10:48	105°21'	16:13	33°12'	21:28	251°20'
2024-08-11	11:53	113°00'	16:55	28°00'	21:48	244°08'
2024-08-12	12:60	120°01'	17:40	23°26'	22:13	237°39'
2024-08-13	14:09	125°59'	18:30	19°45'	22:45	232°20'
2024-08-14	15:17	130°16'	19:24	17°18'	23:27	228°49'
2024-08-15	16:22	132°09'	20:22	16°25'		
2024-08-16	17:18	131°06'	21:22	17°23'	0:21	227°51'
2024-08-17	18:03	127°02'	22:22	20°16'	1:29	229°56'
2024-08-18	18:39	120°28'	23:20	24°55'	2:47	235°02'
2024-08-19	19:08	112°04'			4:10	242°37'
2024-08-20	19:32	102°33'	0:15	30°60'	5:34	251°54'
2024-08-21	19:54	92°30'	1:07	38°01'	6:56	262°07'
2024-08-22	20:15	82°27'	1:58	45°29'	8:17	272°38'
2024-08-23	20:37	72°52'	2:48	52°52'	9:37	282°53'
2024-08-24	21:03	64°12'	3:39	59°43'	10:57	292°22'
2024-08-25	21:33	56°58'	4:32	65°36'	12:17	300°30'
2024-08-26	22:11	51°42'	5:27	70°09'	13:35	306°43'
2024-08-27	22:59	48°56'	6:25	73°05'	14:46	310°27'
2024-08-28	23:57	48°58'	7:23	74°15'	15:47	311°21'
2024-08-29			8:19	73°38'	16:36	309°31'
2024-08-30	1:01	51°40'	9:13	71°25'	17:14	305°25'
2024-08-31	2:10	56°31'	10:04	67°54'	17:44	299°41'
2024-09-01	3:19	62°53'	10:50	63°22'	18:08	292°52'
2024-09-02	4:26	70°14'	11:33	58°09'	18:27	285°24'
2024-09-03	5:30	78°08'	12:14	52°30'	18:44	277°34'
2024-09-04	6:33	86°19'	12:53	46°38'	19:00	269°34'
2024-09-05	7:36	94°34'	13:31	40°45'	19:16	261°37'
2024-09-06	8:38	102°42'	14:11	35°02'	19:33	253°51'
2024-09-07	9:42	110°30'	14:52	29°41'	19:52	246°29'
2024-09-08	10:48	117°45'	15:35	24°54'	20:15	239°45'
2024-09-09	11:55	124°05'	16:22	20°54'	20:43	234°00'
2024-09-10	13:03	129°00'	17:13	17°60'	21:19	229°47'
2024-09-11	14:08	131°53'	18:08	16°28'	22:07	227°43'
2024-09-12	15:06	132°08'	19:06	16°36'	23:08	228°24'
2024-09-13	15:55	129°29'	20:05	18°32'		
2024-09-14	16:34	124°09'	21:02	22°17'	0:20	232°03'
2024-09-15	17:06	116°41'	21:58	27°38'	1:39	238°23'
2024-09-16	17:32	107°40'	22:52	34°14'	3:02	246°50'
2024-09-17	17:55	97°44'	23:44	41°38'	4:25	256°41'
2024-09-18	18:16	87°24'			5:48	267°18'
2024-09-19	18:38	77°14'	0:35	49°18'	7:10	278°02'
2024-09-20	19:03	67°46'	1:27	56°42'	8:33	288°17'
2024-09-21	19:32	59°33'	2:21	63°18'	9:57	297°25'
2024-09-22	20:08	53°15'	3:18	68°38'	11:18	304°45'
2024-09-23	20:54	49°26'	4:16	72°19'	12:35	309°36'
2024-09-24	21:49	48°31'	5:16	74°09'	13:41	311°31'
2024-09-25	22:53	50°27'	6:14	74°06'	14:35	310°29'

# LEVER et COUCHER de la LUNE 2024

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Date (UTC)	Lever		Méridien		Coucher	
2024-09-26			7:10	72°20'	15:17	306°59'
2024-09-27	0:01	54°44'	8:01	69°10'	15:48	301°41'
2024-09-28	1:10	60°42'	8:48	64°56'	16:13	295°10'
2024-09-29	2:17	67°46'	9:32	59°55'	16:34	287°54'
2024-09-30	3:22	75°30'	10:13	54°23'	16:52	280°10'
2024-10-01	4:25	83°36'	10:53	48°35'	17:08	272°13'
2024-10-02	5:28	91°51'	11:31	42°41'	17:23	264°14'
2024-10-03	6:30	100°03'	12:10	36°53'	17:40	256°22'
2024-10-04	7:34	108°00'	12:51	31°23'	17:58	248°49'
2024-10-05	8:39	115°29'	13:33	26°22'	18:19	241°50'
2024-10-06	9:46	122°09'	14:19	22°06'	18:45	235°44'
2024-10-07	10:53	127°34'	15:08	18°50'	19:18	230°59'
2024-10-08	11:58	131°10'	16:01	16°49'	20:01	228°09'
2024-10-09	12:58	132°23'	16:57	16°20'	20:56	227°48'
2024-10-10	13:49	130°53'	17:53	17°32'	22:01	230°13'
2024-10-11	14:31	126°45'	18:49	20°27'	23:15	235°18'
2024-10-12	15:04	120°22'	19:44	24°57'		
2024-10-13	15:31	112°18'	20:37	30°48'	0:34	242°35'
2024-10-14	15:55	103°00'	21:28	37°40'	1:55	251°33'
2024-10-15	16:16	92°59'	22:19	45°09'	3:16	261°36'
2024-10-16	16:38	82°42'	23:11	52°45'	4:37	272°14'
2024-10-17	17:01	72°43'			6:00	282°51'
2024-10-18	17:28	63°36'	0:04	59°56'	7:25	292°48'
2024-10-19	18:02	56°04'	1:01	66°06'	8:50	301°21'
2024-10-20	18:45	50°52'	2:01	70°46'	10:12	307°39'
2024-10-21	19:38	48°37'	3:02	73°33'	11:26	310°60'
2024-10-22	20:41	49°29'	4:03	74°17'	12:27	311°08'
2024-10-23	21:49	53°04'	5:02	73°07'	13:15	308°25'
2024-10-24	22:59	58°36'	5:56	70°22'	13:51	303°35'
2024-10-25			6:45	66°24'	14:18	297°22'
2024-10-26	0:08	65°24'	7:31	61°35'	14:40	290°17'
2024-10-27	1:14	72°58'	8:12	56°12'	14:58	282°42'
2024-10-28	2:17	80°57'	8:52	50°29'	15:15	274°50'
2024-10-29	3:20	89°08'	9:31	44°37'	15:31	266°52'
2024-10-30	4:22	97°21'	10:10	38°47'	15:47	258°57'
2024-10-31	5:25	105°24'	10:50	33°10'	16:04	251°17'
2024-11-01	6:30	113°04'	11:32	27°58'	16:25	244°04'
2024-11-02	7:37	120°04'	12:17	23°25'	16:49	237°38'
2024-11-03	8:44	125°56'	13:05	19°48'	17:20	232°24'
2024-11-04	9:51	130°09'	13:57	17°23'	18:00	228°56'
2024-11-05	10:52	132°07'	14:52	16°25'	18:51	227°48'
2024-11-06	11:46	131°27'	15:48	17°06'	19:52	229°20'
2024-11-07	12:29	128°11'	16:43	19°25'	21:03	233°30'
2024-11-08	13:04	122°41'	17:37	23°16'	22:18	239°52'
2024-11-09	13:33	115°26'	18:28	28°28'	23:35	247°57'
2024-11-10	13:56	106°55'	19:18	34°42'		
2024-11-11	14:18	97°33'	20:07	41°41'	0:52	257°12'
2024-11-12	14:38	87°42'	20:56	49°01'	2:10	267°13'
2024-11-13	15:00	77°48'	21:48	56°16'	3:30	277°33'
2024-11-14	15:25	68°20'	22:42	62°56'	4:51	287°40'
2024-11-15	15:55	59°56'	23:40	68°26'	6:16	296°56'
2024-11-16	16:33	53°24'			7:41	304°31'
2024-11-17	17:22	49°33'	0:42	72°15'	9:01	309°30'
2024-11-18	18:22	48°56'	1:45	74°03'	10:10	311°14'

# LEVER et COUCHER de la LUNE 2024

AST0421F – 07 août 2019

Date (UTC)	Lever		Méridien		Coucher	
2024-11-19	19:31	51°26'	2:47	73°44'	11:06	309°43'
2024-11-20	20:43	56°22'	3:45	71°35'	11:47	305°36'
2024-11-21	21:54	62°53'	4:38	67°59'	12:19	299°44'
2024-11-22	23:02	70°18'	5:26	63°22'	12:43	292°49'
2024-11-23			6:09	58°05'	13:03	285°18'
2024-11-24	0:07	78°14'	6:50	52°26'	13:21	277°29'
2024-11-25	1:10	86°23'	7:29	46°36'	13:37	269°33'
2024-11-26	2:12	94°34'	8:08	40°45'	13:53	261°38'
2024-11-27	3:15	102°40'	8:47	35°04'	14:10	253°53'
2024-11-28	4:19	110°28'	9:29	29°43'	14:29	246°31'
2024-11-29	5:25	117°43'	10:13	24°55'	14:52	239°47'
2024-11-30	6:33	124°01'	11:00	20°57'	15:21	234°05'
2024-12-01	7:41	128°51'	11:52	18°06'	15:59	229°59'
2024-12-02	8:45	131°35'	12:46	16°40'	16:46	228°04'
2024-12-03	9:42	131°43'	13:43	16°51'	17:46	228°49'
2024-12-04	10:29	129°09'	14:39	18°44'	18:54	232°17'
2024-12-05	11:06	124°13'	15:33	22°11'	20:08	238°05'
2024-12-06	11:36	117°28'	16:25	26°58'	21:24	245°38'
2024-12-07	12:00	109°25'	17:14	32°49'	22:40	254°23'
2024-12-08	12:22	100°31'	18:02	39°24'	23:55	263°54'
2024-12-09	12:42	91°07'	18:49	46°24'		
2024-12-10	13:02	81°34'	19:38	53°27'	1:11	273°47'
2024-12-11	13:25	72°14'	20:29	60°09'	2:29	283°38'
2024-12-12	13:51	63°36'	21:23	66°02'	3:49	292°59'
2024-12-13	14:24	56°19'	22:22	70°35'	5:11	301°10'
2024-12-14	15:07	51°11'	23:24	73°21'	6:33	307°21'
2024-12-15	16:02	48°59'			7:48	310°39'
2024-12-16	17:08	50°03'	0:27	74°02'	8:50	310°39'
2024-12-17	18:21	54°01'	1:28	72°42'	9:39	307°38'
2024-12-18	19:34	60°02'	2:25	69°40'	10:16	302°22'
2024-12-19	20:45	67°18'	3:16	65°21'	10:44	295°42'
2024-12-20	21:53	75°12'	4:02	60°12'	11:06	288°15'
2024-12-21	22:57	83°24'	4:45	54°34'	11:24	280°24'
2024-12-22			5:25	48°43'	11:41	272°24'
2024-12-23	0:00	91°39'	6:04	42°49'	11:57	264°26'
2024-12-24	1:03	99°48'	6:43	37°04'	12:14	256°38'
2024-12-25	2:06	107°42'	7:24	31°36'	12:32	249°08'
2024-12-26	3:11	115°09'	8:07	26°36'	12:54	242°10'
2024-12-27	4:18	121°49'	8:53	22°19'	13:20	236°03'
2024-12-28	5:26	127°16'	9:43	19°01'	13:54	231°17'
2024-12-29	6:33	130°51'	10:37	17°02'	14:38	228°30'
2024-12-30	7:33	131°57'	11:34	16°37'	15:35	228°17'
2024-12-31	8:25	130°16'	12:31	17°57'	16:42	230°54'