

Aube et du crépuscule astronomique, lever et coucher de la lune en 2017

1 aube astronomique - 2 lever lune - 3 hauteur de la lune au méridien - 4 coucher lune - 5 crépuscule astronomique

Heures en Temps Universel : pour avoir l'heure locale ajouter 1 heure l'hiver, ajouter 2 heures l'été

Heures pour Paris : retrancher 4mn par degré de longitude EST d'écart avec Paris (2,35°)

soit environ 11mn à St Jean de B., 14mn à Aspres, 18mn à Abriès

	1	2	3	4	5	phase
01/01/17	05:49:00	9h 31,1m	26,6°S	19h 37,6m	18:00:00	
02/01/17	05:49:00	10h 3,6m	30,0°S	20h 44,6m	18:01:00	
03/01/17	05:49:00	10h 33,4m	34,1°S	21h 53,4m	18:02:00	
04/01/17	05:49:00	11h 1,7m	38,5°S	23h 3,9m	18:03:00	
05/01/17	05:49:00	11h 29,9m	43,1°S		18:04:00	PQ
06/01/17	05:48:00	11h 59,1m	47,7°S	0h 15,9m	18:05:00	
07/01/17	05:48:00	12h 31,1m	52,0°S	1h 29,5m	18:06:00	
08/01/17	05:48:00	13h 7,6m	55,5°S	2h 44,2m	18:07:00	
09/01/17	05:48:00	13h 50,3m	58,1°S	3h 58,5m	18:08:00	
10/01/17	05:48:00	14h 40,9m	59,5°S	5h 10,1m	18:09:00	
11/01/17	05:47:00	15h 39,5m	59,4°S	6h 15,8m	18:10:00	
12/01/17	05:47:00	16h 45,0m		7h 13,2m	18:11:00	PL
13/01/17	05:47:00	17h 54,5m	57,9°S	8h 1,7m	18:13:00	
14/01/17	05:46:00	19h 5,0m	55,4°S	8h 42,1m	18:14:00	
15/01/17	05:46:00	20h 14,5m	52,0°S	9h 16,2m	18:15:00	
16/01/17	05:45:00	21h 21,9m	48,0°S	9h 45,9m	18:16:00	
17/01/17	05:45:00	22h 27,2m	43,8°S	10h 12,6m	18:17:00	
18/01/17	05:44:00	23h 30,5m	39,6°S	10h 37,9m	18:19:00	
19/01/17	05:44:00		35,6°S	11h 2,8m	18:20:00	DQ
20/01/17	05:43:00	0h 32,4m	31,8°S	11h 28,6m	18:21:00	
21/01/17	05:42:00	1h 33,2m	28,4°S	11h 56,3m	18:22:00	
22/01/17	05:41:00	2h 32,9m	25,6°S	12h 27,2m	18:24:00	
23/01/17	05:41:00	3h 31,2m	23,4°S	13h 2,4m	18:25:00	
24/01/17	05:40:00	4h 27,3m	22,0°S	13h 43,0m	18:26:00	
25/01/17	05:39:00	5h 20,1m	21,4°S	14h 29,9m	18:28:00	
26/01/17	05:38:00	6h 8,7m	21,8°S	15h 23,4m	18:29:00	
27/01/17	05:37:00	6h 52,5m	23,2°S	16h 22,8m	18:30:00	
28/01/17	05:36:00	7h 31,3m	25,5°S	17h 26,9m	18:32:00	NL
29/01/17	05:35:00	8h 6,0m	28,7°S	18h 34,3m	18:33:00	
30/01/17	05:34:00	8h 37,3m	32,6°S	19h 43,8m	18:34:00	
31/01/17	05:33:00	9h 6,6m	37,0°S	20h 54,7m	18:36:00	
01/02/17	05:32:00	9h 34,9m	41,6°S	22h 6,5m	18:37:00	
02/02/17	05:31:00	10h 3,7m	46,2°S	23h 19,2m	18:39:00	
03/02/17	05:30:00	10h 34,3m	50,5°S		18:40:00	
04/02/17	05:28:00	11h 8,2m	54,3°S	0h 32,2m	18:42:00	PQ
05/02/17	05:27:00	11h 47,2m	57,2°S	1h 44,9m	18:43:00	
06/02/17	05:26:00	12h 32,8m	59,0°S	2h 55,3m	18:44:00	
07/02/17	05:24:00	13h 26,0m	59,5°S	4h 1,3m	18:46:00	
08/02/17	05:23:00	14h 26,7m	58,7°S	5h 0,6m	18:47:00	
09/02/17	05:22:00	15h 32,9m	56,7°S	5h 51,9m	18:49:00	
10/02/17	05:20:00	16h 42,3m		6h 35,4m	18:50:00	
11/02/17	05:19:00	17h 52,4m	53,7°S	7h 12,3m	18:52:00	PL
12/02/17	05:17:00	19h 1,4m	50,0°S	7h 44,1m	18:53:00	
13/02/17	05:16:00	20h 8,7m	45,9°S	8h 12,5m	18:55:00	
14/02/17	05:14:00	21h 14,0m	41,7°S	8h 38,8m	18:56:00	
15/02/17	05:13:00	22h 17,5m	37,5°S	9h 4,3m	18:58:00	
16/02/17	05:11:00	23h 19,6m	33,5°S	9h 30,1m	18:59:00	
17/02/17	05:09:00		29,9°S	9h 57,1m	19:01:00	
18/02/17	05:08:00	0h 20,2m	26,8°S	10h 26,7m	19:02:00	DQ
19/02/17	05:06:00	1h 19,2m	24,3°S	10h 59,9m	19:04:00	
20/02/17	05:04:00	2h 16,1m	22,5°S	11h 37,8m	19:05:00	
21/02/17	05:03:00	3h 10,0m	21,6°S	12h 21,6m	19:07:00	
22/02/17	05:01:00	4h 0,2m	21,6°S	13h 11,8m	19:08:00	

23/02/17	04:59:00	4h 45,9m	22,5°S	14h 8,4m	19:10:00	
24/02/17	04:57:00	5h 27,0m	24,4°S	15h 10,8m	19:11:00	
25/02/17	04:55:00	6h 3,7m	27,3°S	16h 17,6m	19:13:00	
26/02/17	04:54:00	6h 36,9m	30,9°S	17h 27,7m	19:14:00	NL
27/02/17	04:52:00	7h 7,7m	35,2°S	18h 39,8m	19:16:00	
28/02/17	04:50:00	7h 37,1m	39,9°S	19h 53,3m	19:18:00	
01/03/17	04:48:00	8h 6,4m	44,7°S	21h 7,7m	19:19:00	
02/03/17	04:46:00	8h 37,0m	49,2°S	22h 22,2m	19:21:00	
03/03/17	04:44:00	9h 10,3m	53,2°S	23h 35,9m	19:22:00	
04/03/17	04:42:00	9h 47,7m	56,4°S		19:24:00	
05/03/17	04:40:00	10h 30,9m	58,6°S	0h 47,2m	19:26:00	PQ
06/03/17	04:38:00	11h 20,9m	59,5°S	1h 54,1m	19:27:00	
07/03/17	04:36:00	12h 17,8m	59,2°S	2h 54,4m	19:29:00	
08/03/17	04:33:00	13h 20,5m	57,6°S	3h 47,1m	19:30:00	
09/03/17	04:31:00	14h 27,2m	55,0°S	4h 32,1m	19:32:00	
10/03/17	04:29:00	15h 35,6m	51,7°S	5h 10,3m	19:34:00	
11/03/17	04:27:00	16h 44,1m	47,7°S	5h 43,3m	19:35:00	
12/03/17	04:25:00	17h 51,5m		6h 12,6m	19:37:00	PL
13/03/17	04:23:00	18h 57,7m	43,5°S	6h 39,5m	19:39:00	
14/03/17	04:20:00	20h 2,3m	39,3°S	7h 5,2m	19:40:00	
15/03/17	04:18:00	21h 5,5m	35,1°S	7h 30,8m	19:42:00	
16/03/17	04:16:00	22h 7,3m	31,3°S	7h 57,4m	19:44:00	
17/03/17	04:14:00	23h 7,4m	28,0°S	8h 25,9m	19:46:00	
18/03/17	04:11:00		25,2°S	8h 57,5m	19:47:00	
19/03/17	04:09:00	0h 5,3m	23,1°S	9h 33,3m	19:49:00	
20/03/17	04:07:00	1h 0,4m	21,8°S	10h 14,2m	19:51:00	DQ
21/03/17	04:04:00	1h 51,7m	21,4°S	11h 1,0m	19:53:00	
22/03/17	04:02:00	2h 38,7m	21,9°S	11h 54,1m	19:54:00	
23/03/17	03:59:00	3h 21,1m	23,4°S	12h 53,0m	19:56:00	
24/03/17	03:57:00	3h 59,2m	25,8°S	13h 57,2m	19:58:00	
25/03/17	03:55:00	4h 33,6m	29,1°S	15h 5,6m	19:59:00	
26/03/17	03:52:00	5h 5,3m	33,1°S	16h 17,2m	20:02:00	
27/03/17	03:50:00	5h 35,4m	37,7°S	17h 31,4m	20:03:00	
28/03/17	03:48:00	6h 5,1m	42,6°S	18h 47,3m	20:05:00	NL
29/03/17	03:45:00	6h 35,8m	47,4°S	20h 4,3m	20:07:00	
30/03/17	03:43:00	7h 8,8m	51,8°S	21h 21,2m	20:09:00	
31/03/17	03:40:00	7h 45,6m	55,5°S	22h 36,1m	20:11:00	
01/04/17	03:38:00	8h 27,9m	58,1°S	23h 46,6m	20:13:00	
02/04/17	03:35:00	9h 16,6m	59,5°S		20:15:00	
03/04/17	03:33:00	10h 12,0m	59,5°S	0h 50,3m	20:17:00	PQ
04/04/17	03:30:00	11h 13,3m	58,3°S	1h 45,6m	20:19:00	
05/04/17	03:27:00	12h 18,5m	56,0°S	2h 32,5m	20:21:00	
06/04/17	03:25:00	13h 25,7m	52,9°S	3h 12,1m	20:23:00	
07/04/17	03:22:00	14h 33,1m	49,2°S	3h 45,8m	20:25:00	
08/04/17	03:20:00	15h 39,8m	45,1°S	4h 15,4m	20:27:00	
09/04/17	03:17:00	16h 45,5m	40,9°S	4h 42,4m	20:29:00	
10/04/17	03:14:00	17h 50,1m	36,7°S	5h 7,8m	20:31:00	
11/04/17	03:12:00	18h 53,7m		5h 32,9m	20:33:00	PL
12/04/17	03:09:00	19h 56,1m	32,7°S	5h 58,8m	20:35:00	
13/04/17	03:07:00	20h 57,2m	29,1°S	6h 26,3m	20:37:00	
14/04/17	03:04:00	21h 56,4m	26,1°S	6h 56,5m	20:40:00	
15/04/17	03:01:00	22h 52,7m	23,7°S	7h 30,4m	20:42:00	
16/04/17	02:59:00	23h 45,5m	22,1°S	8h 9,1m	20:44:00	
17/04/17	02:56:00		21,3°S	8h 53,2m	20:46:00	
18/04/17	02:53:00	0h 33,8m	21,4°S	9h 43,1m	20:49:00	
19/04/17	02:50:00	1h 17,3m	22,5°S	10h 38,7m	20:51:00	DQ
20/04/17	02:48:00	1h 56,2m	24,4°S	11h 39,5m	20:53:00	
21/04/17	02:45:00	2h 31,2m	27,3°S	12h 44,6m	20:56:00	
22/04/17	02:42:00	3h 3,1m	31,0°S	13h 53,4m	20:58:00	
23/04/17	02:40:00	3h 33,0m	35,3°S	15h 5,4m	21:00:00	
24/04/17	02:37:00	4h 2,2m	40,0°S	16h 20,2m	21:03:00	
25/04/17	02:34:00	4h 32,0m	45,0°S	17h 37,4m	21:05:00	
26/04/17	02:31:00	5h 3,8m	49,8°S	18h 56,2m	21:08:00	NL
27/04/17	02:28:00	5h 39,2m	54,0°S	20h 14,7m	21:10:00	

28/04/17	02:26:00	6h 19,8m	57,3°S	21h 30,4m	21:13:00	
29/04/17	02:23:00	7h 7,2m	59,3°S	22h 40,0m	21:15:00	
30/04/17	02:20:00	8h 2,0m	59,8°S	23h 40,7m	21:18:00	
01/05/17	02:17:00	9h 3,3m	59,1°S		21:20:00	
02/05/17	02:14:00	10h 9,1m	57,1°S	0h 32,0m	21:23:00	
03/05/17	02:12:00	11h 16,9m	54,1°S	1h 14,5m	21:26:00	PQ
04/05/17	02:09:00	12h 24,8m	50,5°S	1h 50,0m	21:28:00	
05/05/17	02:06:00	13h 31,7m	46,5°S	2h 20,6m	21:31:00	
06/05/17	02:03:00	14h 37,3m	42,3°S	2h 47,8m	21:34:00	
07/05/17	02:00:00	15h 41,6m	38,1°S	3h 13,0m	21:36:00	
08/05/17	01:57:00	16h 45,0m	34,0°S	3h 37,6m	21:39:00	
09/05/17	01:54:00	17h 47,5m	30,3°S	4h 2,6m	21:42:00	
10/05/17	01:52:00	18h 49,0m	27,0°S	4h 28,9m	21:45:00	PL
11/05/17	01:49:00	19h 49,0m		4h 57,7m	21:48:00	
12/05/17	01:46:00	20h 46,7m	24,3°S	5h 29,9m	21:51:00	
13/05/17	01:43:00	21h 41,1m	22,4°S	6h 6,6m	21:54:00	
14/05/17	01:40:00	22h 31,1m	21,3°S	6h 48,6m	21:57:00	
15/05/17	01:37:00	23h 16,2m	21,1°S	7h 36,2m	21:59:00	
16/05/17	01:34:00	23h 56,3m	21,8°S	8h 29,4m	22:03:00	
17/05/17	01:31:00		23,4°S	9h 27,5m	22:06:00	
18/05/17	01:28:00	0h 31,9m	25,8°S	10h 29,7m	22:09:00	
19/05/17	01:25:00	1h 3,9m	29,1°S	11h 35,3m	22:12:00	DQ
20/05/17	01:22:00	1h 33,5m	33,1°S	12h 44,0m	22:15:00	
21/05/17	01:19:00	2h 1,7m	37,6°S	13h 55,4m	22:18:00	
22/05/17	01:16:00	2h 30,0m	42,4°S	15h 9,7m	22:21:00	
23/05/17	01:13:00	2h 59,6m	47,3°S	16h 26,8m	22:24:00	
24/05/17	01:10:00	3h 32,2m	51,9°S	17h 45,6m	22:28:00	
25/05/17	01:07:00	4h 9,6m	55,7°S	19h 4,2m	22:31:00	NL
26/05/17	01:04:00	4h 53,7m	58,5°S	20h 19,1m	22:34:00	
27/05/17	01:01:00	5h 45,9m	59,9°S	21h 26,8m	22:38:00	
28/05/17	00:58:00	6h 46,2m	59,8°S	22h 24,6m	22:41:00	
29/05/17	00:55:00	7h 52,7m	58,2°S	23h 12,4m	22:45:00	
30/05/17	00:51:00	9h 2,5m	55,6°S	23h 51,8m	22:48:00	
31/05/17	00:48:00	10h 12,7m	52,1°S		22:52:00	
01/06/17	00:45:00	11h 21,7m	48,1°S	0h 24,7m	22:55:00	PQ
02/06/17	00:42:00	12h 28,7m	43,9°S	0h 53,3m	22:59:00	
03/06/17	00:38:00	13h 33,8m	39,6°S	1h 19,1m	23:03:00	
04/06/17	00:35:00	14h 37,5m	35,4°S	1h 43,7m	23:07:00	
05/06/17	00:31:00	15h 40,0m	31,5°S	2h 8,2m	23:10:00	
06/06/17	00:28:00	16h 41,7m	28,1°S	2h 33,6m	23:15:00	
07/06/17	00:24:00	17h 42,2m	25,1°S	3h 1,0m	23:19:00	
08/06/17	00:20:00	18h 40,9m	22,9°S	3h 31,6m	23:23:00	
09/06/17	00:16:00	19h 36,8m		4h 6,5m	23:28:00	PL
10/06/17	00:12:00	20h 28,7m	21,5°S	4h 46,4m	23:34:00	
11/06/17	00:06:00	21h 15,9m	20,9°S	5h 32,1m		
12/06/17		21h 57,7m	21,3°S	6h 23,5m		
13/06/17		22h 34,7m	22,6°S	7h 20,0m		
14/06/17		23h 7,5m	24,7°S	8h 20,6m		
15/06/17		23h 37,2m	27,7°S	9h 24,3m		
16/06/17			31,4°S	10h 30,5m		
17/06/17		0h 4,9m	35,6°S	11h 39,0m		DQ
18/06/17		0h 32,0m	40,2°S	12h 49,8m		
19/06/17		0h 59,6m	44,9°S	14h 3,1m		
20/06/17		1h 29,4m	49,6°S	15h 18,8m		
21/06/17		2h 2,9m	53,8°S	16h 36,0m		
22/06/17		2h 42,3m	57,2°S	17h 52,5m		
23/06/17		3h 29,4m	59,4°S	19h 4,6m		
24/06/17		4h 25,4m	60,1°S	20h 8,7m		NL
25/06/17		5h 29,9m	59,3°S	21h 3,0m		
26/06/17		6h 40,3m	57,1°S	21h 47,7m		
27/06/17		7h 52,9m	53,9°S	22h 24,6m		
28/06/17		9h 4,9m	50,0°S	22h 55,9m		
29/06/17		10h 14,8m	45,7°S	23h 23,4m		
30/06/17		11h 22,3m	41,3°S	23h 48,8m	23:41:00	

01/07/17	00:08:00	12h 27,6m	37,0°S		23:35:00	PQ
02/07/17	00:14:00	13h 31,2m	33,0°S	0h 13,5m	23:30:00	
03/07/17	00:19:00	14h 33,4m	29,3°S	0h 38,5m	23:26:00	
04/07/17	00:24:00	15h 34,4m	26,2°S	1h 5,1m	23:22:00	
05/07/17	00:29:00	16h 33,8m	23,7°S	1h 34,4m	23:18:00	
06/07/17	00:33:00	17h 30,9m	21,9°S	2h 7,4m	23:15:00	
07/07/17	00:37:00	18h 24,6m	21,0°S	2h 45,3m	23:11:00	
08/07/17	00:40:00	19h 13,8m	21,0°S	3h 29,0m	23:08:00	
09/07/17	00:44:00	19h 57,9m		4h 18,6m	23:04:00	PL
10/07/17	00:48:00	20h 36,8m	22,0°S	5h 13,7m	23:01:00	
11/07/17	00:51:00	21h 11,2m	23,9°S	6h 13,5m	22:58:00	
12/07/17	00:55:00	21h 41,9m	26,6°S	7h 16,6m	22:55:00	
13/07/17	00:58:00	22h 10,0m	30,0°S	8h 22,1m	22:51:00	
14/07/17	01:02:00	22h 36,8m	34,1°S	9h 29,3m	22:48:00	
15/07/17	01:05:00	23h 3,5m	38,5°S	10h 38,2m	22:45:00	
16/07/17	01:09:00	23h 31,4m	43,1°S	11h 48,8m	22:42:00	DQ
17/07/17	01:12:00		47,7°S	13h 1,3m	22:39:00	
18/07/17	01:15:00	0h 2,1m	52,0°S	14h 15,4m	22:36:00	
19/07/17	01:18:00	0h 37,2m	55,7°S	15h 29,9m	22:33:00	
20/07/17	01:22:00	1h 19,0m	58,5°S	16h 42,4m	22:30:00	
21/07/17	01:25:00	2h 9,1m	59,9°S	17h 49,5m	22:27:00	
22/07/17	01:28:00	3h 8,3m	59,9°S	18h 48,5m	22:24:00	
23/07/17	01:31:00	4h 15,5m	58,4°S	19h 38,2m	22:21:00	NL
24/07/17	01:34:00	5h 27,7m	55,7°S	20h 19,5m	22:18:00	
25/07/17	01:37:00	6h 41,5m	52,0°S	20h 54,1m	22:15:00	
26/07/17	01:40:00	7h 54,3m	47,8°S	21h 24,1m	22:12:00	
27/07/17	01:43:00	9h 4,8m	43,3°S	21h 51,1m	22:09:00	
28/07/17	01:46:00	10h 12,7m	38,9°S	22h 16,6m	22:06:00	
29/07/17	01:49:00	11h 18,4m	34,6°S	22h 41,9m	22:03:00	
30/07/17	01:52:00	12h 22,1m	30,7°S	23h 8,1m	21:59:00	PQ
31/07/17	01:55:00	13h 24,2m	27,4°S	23h 36,4m	21:57:00	
01/08/17	01:57:00	14h 24,5m	24,6°S		21:54:00	
02/08/17	02:00:00	15h 22,6m	22,5°S	0h 8,0m	21:51:00	
03/08/17	02:03:00	16h 17,7m	21,3°S	0h 43,9m	21:48:00	
04/08/17	02:06:00	17h 8,8m	20,9°S	1h 25,3m	21:45:00	
05/08/17	02:08:00	17h 55,0m	21,5°S	2h 12,7m	21:43:00	
06/08/17	02:11:00	18h 36,2m	23,1°S	3h 6,1m	21:40:00	
07/08/17	02:14:00	19h 12,6m		4h 4,7m	21:37:00	PL
08/08/17	02:16:00	19h 44,9m	25,6°S	5h 7,5m	21:34:00	
09/08/17	02:19:00	20h 14,2m	28,8°S	6h 13,1m	21:31:00	
10/08/17	02:22:00	20h 41,7m	32,7°S	7h 20,7m	21:28:00	
11/08/17	02:24:00	21h 8,5m	37,0°S	8h 29,6m	21:25:00	
12/08/17	02:27:00	21h 35,8m	41,7°S	9h 39,9m	21:23:00	
13/08/17	02:29:00	22h 5,0m	46,3°S	10h 51,3m	21:20:00	
14/08/17	02:32:00	22h 37,8m	50,7°S	12h 3,7m	21:17:00	
15/08/17	02:34:00	23h 15,8m	54,5°S	13h 16,4m	21:14:00	DQ
16/08/17	02:36:00		57,5°S	14h 27,7m	21:11:00	
17/08/17	02:39:00	0h 0,9m	59,5°S	15h 35,0m	21:09:00	
18/08/17	02:41:00	0h 54,5m	60,0°S	16h 35,7m	21:06:00	
19/08/17	02:43:00	1h 56,6m	59,2°S	17h 28,2m	21:03:00	
20/08/17	02:46:00	3h 5,3m	57,1°S	18h 12,6m	21:00:00	
21/08/17	02:48:00	4h 17,7m	53,9°S	18h 50,0m	20:58:00	NL
22/08/17	02:50:00	5h 31,0m	49,9°S	19h 22,1m	20:55:00	
23/08/17	02:53:00	6h 43,3m	45,5°S	19h 50,7m	20:52:00	
24/08/17	02:55:00	7h 53,4m	40,9°S	20h 17,2m	20:49:00	
25/08/17	02:57:00	9h 1,4m	36,5°S	20h 43,0m	20:47:00	
26/08/17	02:59:00	10h 7,2m	32,3°S	21h 9,1m	20:44:00	
27/08/17	03:01:00	11h 11,0m	28,7°S	21h 36,9m	20:41:00	
28/08/17	03:03:00	12h 12,8m	25,6°S	22h 7,3m	20:39:00	
29/08/17	03:05:00	13h 12,2m	23,2°S	22h 41,5m	20:36:00	PQ
30/08/17	03:07:00	14h 8,7m	21,7°S	23h 20,6m	20:33:00	
31/08/17	03:10:00	15h 1,3m	21,0°S		20:31:00	
01/09/17	03:12:00	15h 49,4m	21,2°S	0h 5,4m	20:28:00	
02/09/17	03:14:00	16h 32,5m	22,4°S	0h 56,2m	20:25:00	

03/09/17	03:16:00	17h 10,8m	24,5°S	1h 52,8m	20:23:00	
04/09/17	03:18:00	17h 44,9m	27,4°S	2h 54,3m	20:20:00	
05/09/17	03:19:00	18h 15,6m	31,2°S	3h 59,6m	20:17:00	
06/09/17	03:21:00	18h 44,1m		5h 7,5m	20:15:00	PL
07/09/17	03:23:00	19h 11,6m	35,4°S	6h 17,4m	20:12:00	
08/09/17	03:25:00	19h 39,1m	40,1°S	7h 28,7m	20:10:00	
09/09/17	03:27:00	20h 8,0m	44,8°S	8h 41,1m	20:07:00	
10/09/17	03:29:00	20h 39,8m	49,4°S	9h 54,4m	20:05:00	
11/09/17	03:31:00	21h 16,1m	53,5°S	11h 7,6m	20:02:00	
12/09/17	03:33:00	21h 58,4m	56,8°S	12h 19,3m	19:59:00	
13/09/17	03:34:00	22h 48,3m	59,1°S	13h 27,2m	19:57:00	DQ
14/09/17	03:36:00	23h 46,2m	60,1°S	14h 28,9m	19:55:00	
15/09/17	03:38:00		59,7°S	15h 22,8m	19:52:00	
16/09/17	03:40:00	0h 50,9m	58,1°S	16h 8,7m	19:50:00	
17/09/17	03:42:00	2h 0,3m	55,3°S	16h 47,5m	19:47:00	
18/09/17	03:43:00	3h 11,9m	51,7°S	17h 20,8m	19:45:00	
19/09/17	03:45:00	4h 23,6m	47,5°S	17h 50,2m	19:42:00	
20/09/17	03:47:00	5h 34,2m	42,9°S	18h 17,2m	19:40:00	NL
21/09/17	03:48:00	6h 43,2m	38,4°S	18h 43,1m	19:38:00	
22/09/17	03:50:00	7h 50,5m	34,0°S	19h 9,1m	19:35:00	
23/09/17	03:52:00	8h 55,9m	30,1°S	19h 36,3m	19:33:00	
24/09/17	03:53:00	9h 59,4m	26,7°S	20h 5,6m	19:31:00	
25/09/17	03:55:00	11h 0,6m	24,0°S	20h 38,3m	19:28:00	
26/09/17	03:57:00	11h 58,8m	22,1°S	21h 15,4m	19:26:00	
27/09/17	03:58:00	12h 53,1m	21,0°S	21h 57,7m	19:24:00	
28/09/17	03:59:00	13h 42,9m	20,9°S	22h 45,7m	19:21:00	PQ
29/09/17	04:02:00	14h 27,7m	21,6°S	23h 39,5m	19:19:00	
30/09/17	04:03:00	15h 7,5m	23,3°S		19:17:00	
01/10/17	04:05:00	15h 42,8m	25,9°S	0h 38,5m	19:15:00	
02/10/17	04:06:00	16h 14,6m	29,4°S	1h 41,8m	19:12:00	
03/10/17	04:08:00	16h 43,9m	33,5°S	2h 48,7m	19:10:00	
04/10/17	04:09:00	17h 11,8m	38,1°S	3h 58,2m	19:08:00	
05/10/17	04:11:00	17h 39,5m	42,9°S	5h 10,1m	19:06:00	PL
06/10/17	04:12:00	18h 8,3m		6h 23,8m	19:04:00	
07/10/17	04:14:00	18h 39,5m	47,7°S	7h 39,0m	19:02:00	
08/10/17	04:16:00	19h 14,8m	52,2°S	8h 54,8m	18:59:00	
09/10/17	04:17:00	19h 55,9m	55,9°S	10h 9,4m	18:58:00	
10/10/17	04:19:00	20h 44,0m	58,6°S	11h 20,3m	18:56:00	
11/10/17	04:20:00	21h 39,9m	60,1°S	12h 24,9m	18:54:00	
12/10/17	04:22:00	22h 42,5m	60,2°S	13h 21,3m	18:52:00	DQ
13/10/17	04:23:00	23h 50,0m	58,9°S	14h 9,0m	18:50:00	
14/10/17	04:25:00		56,5°S	14h 49,0m	18:48:00	
15/10/17	04:26:00	0h 59,9m	53,1°S	15h 23,0m	18:46:00	
16/10/17	04:28:00	2h 10,3m	49,1°S	15h 52,6m	18:44:00	
17/10/17	04:29:00	3h 20,0m	44,7°S	16h 19,6m	18:42:00	
18/10/17	04:30:00	4h 28,5m	40,2°S	16h 45,1m	18:40:00	
19/10/17	04:32:00	5h 35,8m	35,7°S	17h 10,4m	18:38:00	NL
20/10/17	04:33:00	6h 41,8m	31,6°S	17h 36,6m	18:36:00	
21/10/17	04:35:00	7h 46,4m	27,9°S	18h 4,8m	18:35:00	
22/10/17	04:36:00	8h 49,0m	24,9°S	18h 35,9m	18:33:00	
23/10/17	04:38:00	9h 49,0m	22,6°S	19h 11,1m	18:31:00	
24/10/17	04:39:00	10h 45,3m	21,1°S	19h 51,1m	18:30:00	
25/10/17	04:41:00	11h 37,1m	20,6°S	20h 36,7m	18:28:00	
26/10/17	04:42:00	12h 23,6m	21,0°S	21h 27,7m	18:26:00	
27/10/17	04:44:00	13h 4,9m	22,3°S	22h 23,9m	18:25:00	PQ
28/10/17	04:45:00	13h 41,3m	24,5°S	23h 24,5m	18:23:00	
29/10/17	04:46:00	14h 13,8m	27,5°S		18:22:00	
30/10/17	04:48:00	14h 43,3m	31,3°S	0h 28,7m	18:20:00	
31/10/17	04:49:00	15h 11,0m	35,6°S	1h 35,9m	18:19:00	
01/11/17	04:51:00	15h 38,1m	40,4°S	2h 46,0m	18:17:00	
02/11/17	04:52:00	16h 6,0m	45,4°S	3h 58,8m	18:16:00	
03/11/17	04:53:00	16h 35,9m	50,2°S	5h 14,1m	18:14:00	
04/11/17	04:55:00	17h 9,7m		6h 31,4m	18:13:00	PL
05/11/17	04:56:00	17h 48,9m	54,4°S	7h 49,3m	18:12:00	

06/11/17	04:58:00	18h 35,5m	57,8°S	9h 5,1m	18:10:00	
07/11/17	04:59:00	19h 30,2m	59,9°S	10h 15,4m	18:09:00	
08/11/17	05:00:00	20h 32,6m	60,5°S	11h 17,0m	18:08:00	
09/11/17	05:02:00	21h 40,3m	59,7°S	12h 9,0m	18:07:00	
10/11/17	05:03:00	22h 50,6m	57,6°S	12h 51,9m	18:06:00	DQ
11/11/17	05:04:00		54,4°S	13h 27,5m	18:04:00	
12/11/17	05:06:00	0h 1,2m	50,6°S	13h 57,9m	18:03:00	
13/11/17	05:07:00	1h 10,7m	46,3°S	14h 25,0m	18:02:00	
14/11/17	05:08:00	2h 18,8m	41,8°S	14h 50,2m	18:01:00	
15/11/17	05:10:00	3h 25,6m	37,3°S	15h 14,7m	18:00:00	
16/11/17	05:11:00	4h 31,2m	33,0°S	15h 39,8m	17:59:00	
17/11/17	05:12:00	5h 35,7m	29,2°S	16h 6,5m	17:59:00	
18/11/17	05:13:00	6h 38,9m	25,8°S	16h 36,0m	17:58:00	NL
19/11/17	05:15:00	7h 40,1m	23,2°S	17h 9,2m	17:57:00	
20/11/17	05:16:00	8h 38,3m	21,4°S	17h 47,2m	17:56:00	
21/11/17	05:17:00	9h 32,2m	20,5°S	18h 30,5m	17:55:00	
22/11/17	05:18:00	10h 20,9m	20,5°S	19h 19,3m	17:55:00	
23/11/17	05:20:00	11h 4,1m	21,4°S	20h 13,3m	17:54:00	
24/11/17	05:21:00	11h 41,9m	23,3°S	21h 11,5m	17:54:00	
25/11/17	05:22:00	12h 15,1m	25,9°S	22h 13,2m	17:53:00	
26/11/17	05:23:00	12h 44,8m	29,3°S	23h 17,6m	17:52:00	PQ
27/11/17	05:24:00	13h 12,1m	33,3°S		17:52:00	
28/11/17	05:25:00	13h 38,3m	37,9°S	0h 24,5m	17:52:00	
29/11/17	05:27:00	14h 4,6m	42,7°S	1h 34,0m	17:51:00	
30/11/17	05:28:00	14h 32,4m	47,6°S	2h 46,3m	17:51:00	
01/12/17	05:29:00	15h 3,2m	52,2°S	4h 1,6m	17:50:00	
02/12/17	05:30:00	15h 39,0m	56,2°S	5h 19,3m	17:50:00	
03/12/17	05:31:00	16h 21,9m		6h 37,7m	17:50:00	PL
04/12/17	05:32:00	17h 13,6m	59,1°S	7h 53,4m	17:50:00	
05/12/17	05:33:00	18h 14,5m	60,5°S	9h 2,2m	17:50:00	
06/12/17	05:34:00	19h 22,9m	60,4°S	10h 1,2m	17:49:00	
07/12/17	05:35:00	20h 35,4m	58,8°S	10h 49,8m	17:49:00	
08/12/17	05:36:00	21h 48,6m	55,9°S	11h 29,5m	17:49:00	
09/12/17	05:37:00	23h 0,4m	52,2°S	12h 2,4m	17:49:00	
10/12/17	05:37:00		47,9°S	12h 30,9m	17:49:00	DQ
11/12/17	05:38:00	0h 10,0m	43,4°S	12h 56,6m	17:49:00	
12/12/17	05:39:00	1h 17,5m	38,8°S	13h 21,0m	17:50:00	
13/12/17	05:40:00	2h 23,2m	34,5°S	13h 45,5m	17:50:00	
14/12/17	05:41:00	3h 27,6m	30,5°S	14h 11,1m	17:50:00	
15/12/17	05:41:00	4h 30,8m	26,9°S	14h 39,0m	17:50:00	
16/12/17	05:42:00	5h 32,4m	24,0°S	15h 10,3m	17:51:00	
17/12/17	05:43:00	6h 31,7m	21,9°S	15h 46,1m	17:51:00	
18/12/17	05:43:00	7h 27,3m	20,6°S	16h 27,3m	17:51:00	NL
19/12/17	05:44:00	8h 18,2m	20,3°S	17h 14,2m	17:52:00	
20/12/17	05:45:00	9h 3,6m	20,9°S	18h 6,5m	17:52:00	
21/12/17	05:45:00	9h 43,4m	22,4°S	19h 3,3m	17:53:00	
22/12/17	05:46:00	10h 18,1m	24,7°S	20h 3,5m	17:53:00	
23/12/17	05:46:00	10h 48,6m	27,8°S	21h 6,2m	17:54:00	
24/12/17	05:46:00	11h 16,1m	31,6°S	22h 10,8m	17:54:00	
25/12/17	05:47:00	11h 41,8m	35,8°S	23h 17,2m	17:55:00	
26/12/17	05:47:00	12h 6,9m	40,4°S		17:56:00	PQ
27/12/17	05:48:00	12h 32,6m	45,1°S	0h 25,8m	17:56:00	
28/12/17	05:48:00	13h 0,5m	49,8°S	1h 37,0m	17:57:00	
29/12/17	05:48:00	13h 32,1m	54,1°S	2h 50,9m	17:58:00	
30/12/17	05:48:00	14h 9,7m	57,6°S	4h 7,1m	17:58:00	
31/12/17	05:48:00	14h 55,5m	59,9°S	5h 23,5m	17:59:00	
01/01/18	05:48:00	9h 31,1m	26,6°S	19h 37,6m	18:00:00	