

**INSTITUTO NACIONAL DE SISMOLOGIA, VULCANOLOGIA, METEOROLOGIA E HIDROLOGIA
INSIVUMEH**

Salida y puesta de la Luna enero – abril 2017

ENERO					FEBRERO					MARZO					ABRIL				
Día	Salida	Puesta	Salida	Ilumin.	Día	Salida	Puesta	Salida	Ilumin.	Día	Salida	Puesta	Salida	Ilumin.	Día	Salida	Puesta	Salida	Ilumin.
1	8:59	20:54	-	12.50%	1	9:56	22:25	-	25.70%	1	8:39	21:16	-	13.10%	1	9:57	23:05	-	29.60%
2	9:44	21:47	-	20.50%	2	10:42	23:21	-	36.40%	2	9:27	22:14	-	22.20%	2	10:54	-	-	41.10%
3	10:28	22:40	-	30.00%	3	11:29	-	-	48.00%	3	10:16	23:12	-	32.80%	3	-	0:04	11:51	52.80%
4	11:12	23:34	-	40.70%	4	-	0:19	12:19	59.80%	4	11:08	-	-	44.50%	4	-	1:00	12:49	64.20%
5	11:57	-	-	52.20%	5	-	1:17	13:11	71.20%	5	-	0:12	12:02	56.30%	5	-	1:53	13:45	74.50%
6	-	0:29	12:43	63.80%	6	-	2:17	14:07	81.40%	6	-	1:11	12:59	67.80%	6	-	2:42	14:40	83.40%
7	-	1:26	13:32	74.80%	7	-	3:17	15:05	89.70%	7	-	2:08	13:56	78.10%	7	-	3:28	15:33	90.60%
8	-	2:26	14:24	84.60%	8	-	4:15	16:04	95.80%	8	-	3:04	14:53	86.80%	8	-	4:12	16:24	95.80%
9	-	3:27	15:20	92.40%	9	-	5:11	17:03	99.20%	9	-	3:56	15:50	93.50%	9	-	4:53	17:14	98.90%
10	-	4:29	16:19	97.60%	10	-	6:03	18:00		10	-	4:45	16:45	97.80%	10	-	5:33	18:03	
11	-	5:30	17:19	99.80%	11	-	6:52	18:56	99.90%	11	-	5:31	17:38	99.80%	11	-	6:13	18:51	99.90%
12	-	6:29	18:20		12	-	7:38	19:49	98.10%	12	-	6:14	18:30		12	-	6:54	19:39	98.80%
13	-	7:25	19:19	99.10%	13	-	8:21	20:40	94.00%	13	-	6:56	19:20	99.50%	13	-	7:35	20:28	95.90%
14	-	8:16	20:16	95.60%	14	-	9:02	21:29	88.00%	14	-	7:37	20:09	97.00%	14	-	8:17	21:16	91.10%
15	-	9:03	21:10	89.80%	15	-	9:42	22:18	80.50%	15	-	8:17	20:57	92.50%	15	-	9:01	22:05	84.90%
16	-	9:47	22:01	82.30%	16	-	10:22	23:06	72.00%	16	-	8:57	21:46	86.50%	16	-	9:46	22:53	77.30%
17	-	10:28	22:51	73.60%	17	-	11:02	23:54	62.80%	17	-	9:39	22:34	79.10%	17	-	10:34	23:41	68.70%
18	-	11:08	23:39	64.10%	18	-	11:44	-	53.20%	18	-	10:21	23:23	70.60%	18	-	11:23	-	59.20%
19	-	11:47	-	54.30%	19	0:42	12:27	-	43.40%	19	-	11:06	-	61.40%	19	0:29	12:13	-	49.10%
20	0:26	12:26	-	44.50%	20	1:31	13:13	-	33.90%	20	0:11	11:53	-	51.70%	20	1:15	13:05	-	38.90%
21	1:13	13:07	-	35.00%	21	2:20	14:01	-	24.90%	21	1:00	12:41	-	41.80%	21	2:01	13:58	-	28.80%
22	2:01	13:49	-	26.10%	22	3:09	14:51	-	16.60%	22	1:48	13:32	-	32.00%	22	2:47	14:52	-	19.40%
23	2:50	14:34	-	18.00%	23	3:58	15:43	-	9.60%	23	2:36	14:24	-	22.80%	23	3:32	15:48	-	11.20%
24	3:39	15:21	-	11.10%	24	4:46	16:37	-	4.30%	24	3:24	15:17	-	14.40%	24	4:18	16:45	-	4.80%
25	4:29	16:10	-	5.60%	25	5:34	17:32	-	0.90%	25	4:10	16:12	-	7.50%	25	5:06	17:45	-	1.00%
26	5:18	17:02	-	1.80%	26	6:21	18:27	-	0.00%	26	4:57	17:08	-	2.60%	26	5:56	18:46	-	0.30%
27	6:07	17:54	-	0.10%	27	7:07	19:22	-	1.70%	27	5:43	18:05	-	0.20%	27	6:49	19:49	-	2.70%
28	6:55	18:48	-	0.70%	28	7:53	20:19	-	6.10%	28	6:31	19:03	-	0.70%	28	7:45	20:52	-	8.30%
29	7:41	19:42	-	3.60%						29	7:19	20:03	-	4.20%	29	8:43	21:54	-	16.40%
30	8:27	20:36	-	8.90%						30	8:09	21:03	-	10.50%	30	9:43	22:54	-	26.40%
31	9:12	21:30	-	16.40%						31	9:02	22:04	-	19.20%					

**INSTITUTO NACIONAL DE SISMOLOGIA, VULCANOLOGIA, METEOROLOGIA E HIDROLOGIA
INSIVUMEH**

Salida y puesta de la Luna mayo – agosto 2017

MAYO					JUNIO					JULIO					AGOSTO				
Día	Salida	Puesta	Salida	Ilumin.	Día	Salida	Puesta	Salida	Ilumin.	Día	Salida	Puesta	Salida	Ilumin.	Día	Salida	Puesta	Salida	Ilumin.
1	10:42	23:49	-	37.50%	1	-	0:11	12:17	55.30%	1	-	0:13	12:41	60.00%	1	-	0:52	13:49	72.60%
2	11:40	-	-	48.90%	2	-	0:54	13:08	65.60%	2	-	0:53	13:29	69.60%	2	-	1:34	14:37	80.80%
3	-	0:41	12:36	60.10%	3	-	1:34	13:57	74.90%	3	-	1:32	14:17	78.20%	3	-	2:19	15:26	87.90%
4	-	1:28	13:30	70.40%	4	-	2:14	14:45	83.00%	4	-	2:13	15:05	85.70%	4	-	3:06	16:15	93.60%
5	-	2:12	14:21	79.50%	5	-	2:53	15:33	89.70%	5	-	2:54	15:54	91.80%	5	-	3:55	17:03	97.60%
6	-	2:53	15:11	87.10%	6	-	3:33	16:20	94.80%	6	-	3:38	16:42	96.30%	6	-	4:45	17:50	99.70%
7	-	3:33	15:59	93.10%	7	-	4:13	17:09	98.20%	7	-	4:23	17:31	99.10%	7	-	5:36	18:36	
8	-	4:13	16:47	97.20%	8	-	4:56	17:57	99.70%	8	-	5:11	18:20		8	-	6:28	19:20	99.70%
9	-	4:52	17:35	99.40%	9	-	5:40	18:46		9	-	6:00	19:07	99.90%	9	-	7:20	20:04	97.50%
10	-	5:33	18:23		10	-	6:26	19:35	99.40%	10	-	6:50	19:53	98.80%	10	-	8:12	20:47	93.10%
11	-	6:14	19:12	99.70%	11	-	7:14	20:22	97.10%	11	-	7:41	20:38	95.60%	11	-	9:05	21:30	86.50%
12	-	6:57	20:01	98.10%	12	-	8:04	21:09	93.00%	12	-	8:32	21:22	90.50%	12	-	9:58	22:14	78.00%
13	-	7:43	20:49	94.60%	13	-	8:54	21:54	87.10%	13	-	9:24	22:04	83.50%	13	-	10:53	23:00	67.90%
14	-	8:29	21:37	89.50%	14	-	9:44	22:38	79.60%	14	-	10:15	22:47	74.80%	14	-	11:49	23:49	56.70%
15	-	9:18	22:25	82.80%	15	-	10:35	23:22	70.70%	15	-	11:08	23:30	64.70%	15	-	12:48	-	44.90%
16	-	10:07	23:11	74.70%	16	-	11:27	-	60.70%	16	-	12:02	-	53.70%	16	0:41	13:48	-	33.10%
17	-	10:58	23:56	65.50%	17	0:05	12:20	-	49.80%	17	0:15	12:58	-	42.10%	17	1:37	14:48	-	22.30%
18	-	11:49	-	55.50%	18	0:48	13:14	-	38.60%	18	1:03	13:56	-	30.70%	18	2:36	15:48	-	13.00%
19	0:40	12:41	-	44.90%	19	1:33	14:10	-	27.70%	19	1:54	14:57	-	20.00%	19	3:37	16:46	-	5.90%
20	1:24	13:34	-	34.20%	20	2:21	15:09	-	17.60%	20	2:50	16:00	-	11.10%	20	4:38	17:40	-	1.50%
21	2:09	14:29	-	23.90%	21	3:12	16:11	-	9.20%	21	3:49	17:02	-	4.40%	21	5:37	18:30	-	0.00%
22	2:54	15:26	-	14.60%	22	4:07	17:15	-	3.20%	22	4:51	18:03	-	0.70%	22	6:35	19:17	-	1.30%
23	3:42	16:26	-	7.10%	23	5:06	18:19	-	0.40%	23	5:53	19:00	-	0.20%	23	7:30	20:01	-	5.20%
24	4:33	17:28	-	2.10%	24	6:08	19:21	-	0.80%	24	6:55	19:53	-	2.70%	24	8:23	20:43	-	11.20%
25	5:27	18:32	-	0.20%	25	7:11	20:20	-	4.40%	25	7:54	20:41	-	7.90%	25	9:14	21:25	-	18.80%
26	6:25	19:36	-	1.60%	26	8:13	21:15	-	10.80%	26	8:50	21:26	-	15.20%	26	10:03	22:06	-	27.50%
27	7:26	20:39	-	6.30%	27	9:12	22:04	-	19.20%	27	9:43	22:09	-	23.90%	27	10:53	22:47	-	36.90%
28	8:28	21:39	-	13.60%	28	10:08	22:50	-	28.90%	28	10:34	22:50	-	33.60%	28	11:41	23:30	-	46.70%
29	9:29	22:34	-	23.00%	29	11:01	23:32	-	39.30%	29	11:23	23:30	-	43.60%	29	12:30	-	-	56.50%
30	10:28	23:25	-	33.50%	30	11:52	-	-	49.80%	30	12:12	-	-	53.70%	30	-	0:14	13:19	66.00%
31	11:24	-	-	44.40%						31	-	0:10	13:00	63.00%	31	-	1:00	14:08	75.00%

**INSTITUTO NACIONAL DE SISMOLOGIA, VULCANOLOGIA, METEOROLOGIA E HIDROLOGIA
INSIVUMEH**

Salida y puesta de la Luna septiembre – diciembre 2017

SEPTIEMBRE					OCTUBRE					NOVIEMBRE					DICIEMBRE				
Día	Salida	Puesta	Salida	Ilumin.	Día	Salida	Puesta	Salida	Ilumin.	Día	Salida	Puesta	Salida	Ilumin.	Día	Salida	Puesta	Salida	Ilumin.
1	-	1:47	14:56	83.10%	1	-	2:09	15:07	85.30%	1	-	3:27	15:55	94.20%	1	-	3:59	16:05	96.60%
2	-	2:37	15:43	90.00%	2	-	3:01	15:52	92.00%	2	-	4:22	16:41	98.40%	2	-	5:00	16:58	99.50%
3	-	3:28	16:30	95.30%	3	-	3:53	16:36	96.90%	3	-	5:19	17:29	99.80%	3	-	6:03	17:56	
4	-	4:20	17:15	98.70%	4	-	4:47	17:20	99.50%	4	-	6:19	18:21		4	-	7:08	18:57	99.30%
5	-	5:12	18:00		5	-	5:42	18:06		5	-	7:21	19:16	98.20%	5	-	8:12	20:00	95.80%
6	-	6:05	18:43	100.00%	6	-	6:38	18:52	99.60%	6	-	8:24	20:14	93.50%	6	-	9:13	21:03	89.30%
7	-	6:59	19:27	98.80%	7	-	7:36	19:41	96.80%	7	-	9:27	21:14	86.10%	7	-	10:10	22:03	80.60%
8	-	7:53	20:12	95.10%	8	-	8:35	20:33	91.30%	8	-	10:27	22:15	76.60%	8	-	11:01	23:01	70.30%
9	-	8:48	20:58	89.00%	9	-	9:36	21:27	83.30%	9	-	11:24	23:14	65.70%	9	-	11:49	23:56	59.30%
10	-	9:45	21:47	80.70%	10	-	10:36	22:24	73.40%	10	-	12:16	-	54.20%	10	-	12:32	-	48.20%
11	-	10:43	22:38	70.60%	11	-	11:36	23:22	62.10%	11	0:12	13:05	-	42.80%	11	0:48	13:14	-	37.50%
12	-	11:42	23:32	59.30%	12	-	12:33	-	50.30%	12	1:07	13:50	-	32.00%	12	1:38	13:54	-	27.70%
13	-	12:42	-	47.40%	13	0:21	13:27	-	38.70%	13	2:00	14:32	-	22.40%	13	2:28	14:34	-	19.10%
14	0:29	13:40	-	35.60%	14	1:19	14:18	-	27.80%	14	2:51	15:13	-	14.20%	14	3:17	15:14	-	11.80%
15	1:27	14:37	-	24.70%	15	2:16	15:05	-	18.30%	15	3:41	15:53	-	7.80%	15	4:05	15:56	-	6.20%
16	2:27	15:31	-	15.20%	16	3:10	15:50	-	10.50%	16	4:30	16:34	-	3.30%	16	4:54	16:39	-	2.40%
17	3:25	16:21	-	7.80%	17	4:03	16:32	-	4.80%	17	5:20	17:15	-	0.80%	17	5:44	17:24	-	0.40%
18	4:22	17:09	-	2.80%	18	4:55	17:14	-	1.40%	18	6:09	17:58	-	0.30%	18	6:33	18:11	-	0.30%
19	5:18	17:54	-	0.30%	19	5:45	17:55	-	0.20%	19	6:58	18:42	-	1.70%	19	7:21	18:59	-	2.10%
20	6:11	18:36	-	0.40%	20	6:35	18:36	-	1.20%	20	7:48	19:28	-	5.00%	20	8:08	19:48	-	5.80%
21	7:03	19:18	-	2.90%	21	7:25	19:18	-	4.20%	21	8:36	20:15	-	10.10%	21	8:54	20:37	-	11.10%
22	7:54	20:00	-	7.40%	22	8:15	20:01	-	9.00%	22	9:24	21:03	-	16.60%	22	9:37	21:27	-	18.00%
23	8:44	20:41	-	13.70%	23	9:04	20:46	-	15.40%	23	10:11	21:52	-	24.40%	23	10:20	22:16	-	26.30%
24	9:33	21:24	-	21.30%	24	9:53	21:33	-	23.00%	24	10:56	22:42	-	33.30%	24	11:01	23:06	-	35.70%
25	10:22	22:07	-	29.90%	25	10:41	22:20	-	31.60%	25	11:39	23:31	-	43.00%	25	11:42	23:56	-	46.00%
26	11:11	22:53	-	39.20%	26	11:29	23:09	-	41.00%	26	12:22	-	-	53.20%	26	12:23	-	-	56.80%
27	12:00	23:40	-	48.90%	27	12:15	23:59	-	50.80%	27	-	0:22	13:04	63.60%	27	-	0:48	13:06	67.70%
28	12:48	-	-	58.70%	28	13:00	-	-	60.80%	28	-	1:13	13:46	73.70%	28	-	1:43	13:52	78.00%
29	-	0:28	13:35	68.20%	29	-	0:49	13:44	70.60%	29	-	2:06	14:30	83.00%	29	-	2:40	14:41	87.10%
30	-	1:18	14:22	77.20%	30	-	1:41	14:27	79.80%	30	-	3:01	15:16	90.90%	30	-	3:40	15:35	94.30%
					31	-	2:33	15:11	87.80%						31	-	4:44	16:34	98.70%