

**INSTITUTO NACIONAL DE SISMOLOGIA, VULCANOLOGIA,
METEOROLOGIA E HIDROLOGIA
INSIVUMEH
INSIVUMEH
DEPARTAMENTO DE INVESTIGACIÓN Y SERVICIOS HIDROLÓGICOS
DECLINACIÓN DEL SOL AÑO 2017
Para 0:00 h tiempo universal o tiempo civil de Greenwich**

ENERO				FEBRERO				MARZO				ABRIL			
DÍA		G	M	DÍA		G	M	DÍA		G	M	DÍA		G	M
1	S	-22	59.9'	1	S	-17	6.2'	1	S	-7	35.7'	1	N	4	31.8'
2	S	-22	54.8'	2	S	-16	49.0'	2	S	-7	12.9'	2	N	4	54.9'
3	S	-22	49.2'	3	S	-16	31.5'	3	S	-6	49.9'	3	N	5	17.9'
4	S	-22	43.1'	4	S	-16	13.7'	4	S	-6	26.9'	4	N	5	40.9'
5	S	-22	36.6'	5	S	-15	55.6'	5	S	-6	3.7'	5	N	6	3.7'
6	S	-22	29.6'	6	S	-15	37.3'	6	S	-5	40.5'	6	N	6	26.4'
7	S	-22	22.2'	7	S	-15	18.7'	7	S	-5	17.2'	7	N	6	49.1'
8	S	-22	14.4'	8	S	-14	59.8'	8	S	-4	53.9'	8	N	7	11.5'
9	S	-22	6.1'	9	S	-14	40.7'	9	S	-4	30.4'	9	N	7	33.9'
10	S	-21	57.3'	10	S	-14	21.3'	10	S	-4	6.9'	10	N	7	56.2'
11	S	-21	48.2'	11	S	-14	1.7'	11	S	-3	43.4'	11	N	8	18.3'
12	S	-21	38.6'	12	S	-13	41.9'	12	S	-3	19.8'	12	N	8	40.3'
13	S	-21	28.6'	13	S	-13	21.8'	13	S	-2	56.2'	13	N	9	2.1'
14	S	-21	18.2'	14	S	-13	1.6'	14	S	-2	32.6'	14	N	9	23.8'
15	S	-21	7.4'	15	S	-12	41.1'	15	S	-2	8.9'	15	N	9	45.3'
16	S	-20	56.2'	16	S	-12	20.4'	16	S	-1	45.2'	16	N	10	6.6'
17	S	-20	44.6'	17	S	-11	59.5'	17	S	-1	21.5'	17	N	10	27.8'
18	S	-20	32.6'	18	S	-11	38.4'	18	N	0	57.8'	18	N	10	48.9'
19	S	-20	20.2'	19	S	-11	17.1'	19	N	0	34.1'	19	N	11	9.7'
20	S	-20	7.4'	20	S	-10	55.7'	20	N	0	10.3'	20	N	11	30.4'
21	S	-19	54.2'	21	S	-10	34.0'	21	N	0	13.4'	21	N	11	50.9'
22	S	-19	40.7'	22	S	-10	12.2'	22	N	0	37.1'	22	N	12	11.1'
23	S	-19	26.8'	23	S	-9	50.3'	23	N	1	0.7'	23	N	12	31.2'
24	S	-19	12.5'	24	S	-9	28.2'	24	N	1	24.4'	24	N	12	51.1'
25	S	-18	57.9'	25	S	-9	6.0'	25	N	1	48.0'	25	N	13	10.8'
26	S	-18	42.9'	26	S	-8	43.6'	26	N	2	11.5'	26	N	13	30.2'
27	S	-18	27.6'	27	S	-8	21.1'	27	N	2	35.1'	27	N	13	49.5'
28	S	-18	12.0'	28	S	-7	58.5'	28	N	2	58.5'	28	N	14	8.5'
29	S	-17	56.0'					29	N	3	22.0'	29	N	14	27.2'
30	S	-17	39.7'					30	N	3	45.3'	30	N	14	45.8'
31	S	-17	23.1'					31	N	4	8.6'				

G= grado M=minuto

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MAYO				JUNIO				JULIO				AGOSTO			
DÍA		G	M	DÍA		G	M	DÍA		G	M	DÍA		G	M
1	N	15	4.0'	1	N	22	2.8'	1	N	23	6.2'	1	N	18	1.0'
2	N	15	22.1'	2	N	22	10.8'	2	N	23	2.0'	2	N	17	45.8'
3	N	15	39.9'	3	N	22	18.4'	3	N	22	57.4'	3	N	17	30.2'
4	N	15	57.4'	4	N	22	25.5'	4	N	22	52.4'	4	N	17	14.4'
5	N	16	14.6'	5	N	22	32.3'	5	N	22	46.9'	5	N	16	58.3'
6	N	16	31.6'	6	N	22	38.7'	6	N	22	41.1'	6	N	16	42.0'
7	N	16	48.3'	7	N	22	44.7'	7	N	22	34.9'	7	N	16	25.4'
8	N	17	4.7'	8	N	22	50.3'	8	N	22	28.3'	8	N	16	8.5'
9	N	17	20.9'	9	N	22	55.5'	9	N	22	21.3'	9	N	15	51.3'
10	N	17	36.7'	10	N	23	0.3'	10	N	22	13.9'	10	N	15	33.9'
11	N	17	52.3'	11	N	23	4.7'	11	N	22	6.2'	11	N	15	16.3'
12	N	18	7.5'	12	N	23	8.7'	12	N	21	58.0'	12	N	14	58.4'
13	N	18	22.5'	13	N	23	12.3'	13	N	21	49.5'	13	N	14	40.2'
14	N	18	37.1'	14	N	23	15.4'	14	N	21	40.6'	14	N	14	21.8'
15	N	18	51.4'	15	N	23	18.2'	15	N	21	31.3'	15	N	14	3.2'
16	N	19	5.4'	16	N	23	20.5'	16	N	21	21.7'	16	N	13	44.4'
17	N	19	19.1'	17	N	23	22.5'	17	N	21	11.7'	17	N	13	25.4'
18	N	19	32.5'	18	N	23	24.0'	18	N	21	1.4'	18	N	13	6.1'
19	N	19	45.5'	19	N	23	25.1'	19	N	20	50.7'	19	N	12	46.6'
20	N	19	58.2'	20	N	23	25.8'	20	N	20	39.6'	20	N	12	27.0'
21	N	20	10.6'	21	N	23	26.1'	21	N	20	28.2'	21	N	12	7.1'
22	N	20	22.6'	22	N	23	25.9'	22	N	20	16.4'	22	N	11	47.0'
23	N	20	34.2'	23	N	23	25.4'	23	N	20	4.3'	23	N	11	26.8'
24	N	20	45.5'	24	N	23	24.4'	24	N	19	51.9'	24	N	11	6.4'
25	N	20	56.5'	25	N	23	23.1'	25	N	19	39.2'	25	N	10	45.8'
26	N	21	7.1'	26	N	23	21.3'	26	N	19	26.1'	26	N	10	25.0'
27	N	21	17.3'	27	N	23	19.1'	27	N	19	12.7'	27	N	10	4.1'
28	N	21	27.1'	28	N	23	16.5'	28	N	18	58.9'	28	N	9	43.0'
29	N	21	36.6'	29	N	23	13.5'	29	N	18	44.9'	29	N	9	21.7'
30	N	21	45.7'	30	N	23	10.1'	30	N	18	30.6'	30	N	9	0.3'
31	N	21	54.5'					31	N	18	15.9'	31	N	8	38.8'

G= grado M=minuto

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SEPTIEMBRE				OCTUBRE				NOVIEMBRE				DICIEMBRE			
DÍA		G	M	DÍA		G	M	DÍA		G	M	DÍA		G	M
1	N	8	17.1'	1	S	-3	10.6'	1	S	-14	25.0'	1	S	-21	47.5'
2	N	7	55.3'	2	S	-3	33.8'	2	S	-14	44.1'	2	S	-21	56.6'
3	N	7	33.3'	3	S	-3	57.1'	3	S	-15	2.9'	3	S	-22	5.4'
4	N	7	11.3'	4	S	-4	20.2'	4	S	-15	21.6'	4	S	-22	13.6'
5	N	6	49.1'	5	S	-4	43.3'	5	S	-15	39.9'	5	S	-22	21.5'
6	N	6	26.8'	6	S	-5	6.4'	6	S	-15	58.0'	6	S	-22	28.9'
7	N	6	4.4'	7	S	-5	29.3'	7	S	-16	15.8'	7	S	-22	35.9'
8	N	5	42.0'	8	S	-5	52.2'	8	S	-16	33.4'	8	S	-22	42.4'
9	N	5	19.4'	9	S	-6	15.1'	9	S	-16	50.7'	9	S	-22	48.5'
10	N	4	56.7'	10	S	-6	37.8'	10	S	-17	7.7'	10	S	-22	54.2'
11	N	4	33.9'	11	S	-7	0.5'	11	S	-17	24.4'	11	S	-22	59.4'
12	N	4	11.1'	12	S	-7	23.1'	12	S	-17	40.8'	12	S	-23	4.1'
13	N	3	48.2'	13	S	-7	45.5'	13	S	-17	56.9'	13	S	-23	8.4'
14	N	3	25.2'	14	S	-8	7.9'	14	S	-18	12.7'	14	S	-23	12.2'
15	N	3	2.1'	15	S	-8	30.2'	15	S	-18	28.2'	15	S	-23	15.6'
16	N	2	39.0'	16	S	-8	52.3'	16	S	-18	43.4'	16	S	-23	18.5'
17	N	2	15.9'	17	S	-9	14.3'	17	S	-18	58.2'	17	S	-23	20.9'
18	N	1	52.7'	18	S	-9	36.2'	18	S	-19	12.7'	18	S	-23	22.9'
19	N	1	29.4'	19	S	-9	58.0'	19	S	-19	26.8'	19	S	-23	24.4'
20	N	1	6.1'	20	S	-10	19.6'	20	S	-19	40.6'	20	S	-23	25.4'
21	N	0	42.8'	21	S	-10	41.0'	21	S	-19	54.1'	21	S	-23	26.0'
22	N	0	19.5'	22	S	-11	2.3'	22	S	-20	7.1'	22	S	-23	26.1'
23	N	0	3.9'	23	S	-11	23.4'	23	S	-20	19.8'	23	S	-23	25.7'
24	N	0	27.2'	24	S	-11	44.4'	24	S	-20	32.2'	24	S	-23	24.8'
25	N	0	50.6'	25	S	-12	5.1'	25	S	-20	44.1'	25	S	-23	23.5'
26	S	-1	14.0'	26	S	-12	25.7'	26	S	-20	55.7'	26	S	-23	21.7'
27	S	-1	37.3'	27	S	-12	46.1'	27	S	-21	6.9'	27	S	-23	19.5'
28	S	-2	0.7'	28	S	-13	6.3'	28	S	-21	17.6'	28	S	-23	16.7'
29	S	-2	24.0'	29	S	-13	26.3'	29	S	-21	28.0'	29	S	-23	13.5'
30	S	-2	47.3'	30	S	-13	46.1'	30	S	-21	38.0'	30	S	-23	9.9'
				31	S	-14	5.7'					31	S	-23	5.7'

G= grado M=minuto