

Epoca:	1-ene.-10	2010.0	2455196.50		e	£_g	W_g	L_o Luna	P_o Luna	N_o Luna	Año trópico											Luna Nueva	Luna Llena	Mes Sinódico	
					0.016705	279.557208	283.11	91.929336	130.143076	291.682547	365.242191											0.28%	99.80%	29.5306	
Epoca 2014.	1-ene.-00		2451544.50														-0.139471705								
2415018.500				T=	1.00																				
Fecha	Dia Juliano	D (dias)			M O	_ong. Ecl. O	L	Mm	N	E_v	A_e	A_3	Mm'	E_c	A_4	L'	V	L''	D (°)	Fase	Dia Exacto de Fase				
1-1-19 0:00	2458484.50	3288.00	3 Martes	Enero	1	3.237.25	3520.2740	43415.9214	42919.4816	117.5701	0.6017	-0.0089	-0.0177	42920.1100	6.1951	0.0724	43422.7996	-0.5550466907	43422.2445	39901.9705	23.53%	301.9705	24.77	1	
2-1-19 0:00	2458485.50	3289.00	4 Miércoles	Enero	2	3.238.24	3521.2925	43429.0978	42932.5466	117.5172	0.3711	-0.0057	-0.0114	42932.9348	6.2804	-0.0219	43435.7330	-0.4700117495	43435.2630	39913.9705	15.29%	313.9705	25.75	2	
3-1-19 0:00	2458486.50	3290.00	5 Jueves	Enero	3	3.239.22	3522.3111	43442.2742	42945.6116	117.4642	0.1262	-0.0025	-0.0050	42945.7453	6.0526	-0.1118	43448.3437	-0.3678059765	43447.9759	39925.6648	8.71%	325.6648	26.71	3	
4-1-19 0:00	2458487.50	3291.00	6 Viernes	Enero	4	3.240.21	3523.3297	43455.4505	42958.6766	117.4113	-0.1235	0.0007	0.0014	42958.5510	5.5239	-0.1797	43460.6705	-0.2536092392	43460.4169	39937.0872	3.95%	337.0872	27.65	4	
5-1-19 0:00	2458488.50	3292.00	7 Sábado	Enero	5	3.241.20	3524.3483	43468.6269	42971.7416	117.3583	-0.3685	0.0039	0.0077	42971.3614	4.7199	-0.2123	43472.7622	-0.1322126371	43472.6300	39948.2817	1.04%	348.2817	28.57	Luna Nueva 5	
6-1-19 0:00	2458489.50	3293.00	1 Domingo	Enero	6	3.242.18	3525.3668	43481.8033	42984.8066	117.3054	-0.5994	0.0071	0.0141	42984.1860	3.6798	-0.2031	43484.6736	-0.007964347522	43484.6657	39959.2988	0.00%	Luna Nueva	359.2988	29.47	Luna Nueva 1
7-1-19 0:00	2458490.50	3294.00	2 Lunes	Enero	7	3.243.17	3526.3854	43494.9797	42997.8716	117.2524	-0.8072	0.0103	0.0204	42997.0337	2.4537	-0.1538	43496.4623	0.1151830016	43496.5775	39970.1921	0.79%	10.1921	0.84	2	
8-1-19 0:00	2458491.50	3295.00	3 Martes	Enero	8	3.244.15	3527.4039	43508.1561	43010.9365	117.1994	-0.9839	0.0135	0.0268	43009.9124	1.1015	-0.0738	43508.1864	0.2335793861	43508.4200	39981.0161	3.33%	21.0161	1.72	3	
9-1-19 0:00	2458492.50	3296.00	4 Miércoles	Enero	9	3.245.14	3528.4223	43521.3325	43024.0015	117.1465	-1.1229	0.0166	0.0331	43022.8289	-0.3104	0.0211	43519.9037	0.3437785133	43520.2475	39991.8252	7.52%	31.8252	2.61	4	
10-1-19 0:00	2458493.50	3297.00	5 Jueves	Enero	10	3.246.12	3529.4408	43534.5089	43037.0665	117.0935	-1.2187	0.0198	0.0395	43035.7885	-1.7111	0.1121	43531.6714	0.4424545976	43532.1139	40002.6731	13.24%	42.6731	3.50	5	
11-1-19 0:00	2458494.50	3298.00	6 Viernes	Enero	11	3.247.11	3530.4591	43547.6853	43050.1315	117.0406	-1.2676	0.0230	0.0458	43048.7951	-3.0291	0.1807	43543.5463	0.5263437161	43544.0726	40013.6135	20.34%	53.6135	4.40	6	
12-1-19 0:00	2458495.50	3299.00	7 Sábado	Enero	12	3.248.10	3531.4774	43560.8617	43063.1965	116.9876	-1.2679	0.0262	0.0521	43061.8504	-4.1957	0.2127	43555.5847	0.5922155246	43556.1769	40024.6995	28.63%	64.6995	5.31	7	
13-1-19 0:00	2458496.50	3300.00	1 Domingo	Enero	13	3.249.08	3532.4956	43574.0381	43076.2615	116.9347	-1.2194	0.0293	0.0584	43074.9544	-5.1484	0.2012	43567.8422	0.6368879059	43568.4791	40035.9835	37.89%	75.9835	6.23	8	
14-1-19 0:00	2458497.50	3301.00	2 Lunes	Enero	14	3.250.07	3533.5137	43587.2145	43089.3265	116.8817	-1.1240	0.0325	0.0647	43088.1053	-5.8350	0.1481	43580.3711	0.6573100275	43581.0284	40047.5147	47.83%	87.5147	7.18	C. Creciente 9	
15-1-19 0:00	2458498.50	3302.00	3 Martes	Enero	15	3.251.05	3534.5318	43600.3909	43102.3915	116.8288	-0.9854	0.0356	0.0709	43101.2995	-6.2162	0.0640	43593.2176	0.6507500372	43593.8684	40059.3366	58.11%	99.3366	8.15	10	
16-1-19 0:00	2458499.50	3303.00	4 Miércoles	Enero	16	3.252.04	3535.5497	43613.5673	43115.4565	116.7758	-0.8089	0.0388	0.0772	43114.5316	-6.2689	-0.0337	43606.4170	0.6151207599	43607.0321	40071.4824	68.31%	111.4824	9.14	11	
17-1-19 0:00	2458500.50	3304.00	5 Jueves	Enero	17	3.253.02	3536.5675	43626.7437	43128.5215	116.7229	-0.6014	0.0419	0.0834	43127.7949	-5.9877	-0.1245	43619.9882	0.5494492339	43620.5376	40083.9702	77.94%	123.9702	10.17	12	
18-1-19 0:00	2458501.50	3305.00	6 Viernes	Enero	18	3.254.01	3537.5851	43639.9201	43141.5865	116.6699	-0.3707	0.0450	0.0896	43141.0812	-5.3858	-0.1892	43633.9294	0.4544397459	43634.3839	40096.7987	86.45%	136.7987	11.22	13	
19-1-19 0:00	2458502.50	3306.00	7 Sábado	Enero	19	3.254.99	3538.6026	43653.0965	43154.6515	116.6170	-0.1257	0.0481	0.0957	43154.3819	-4.4944	-0.2140	43648.2143	0.3330062562	43648.5473	40109.9447	93.28%	149.9447	12.30	14	
20-1-19 0:00	2458503.50	3307.00	1 Domingo	Enero	20	3.255.98	3539.6200	43666.2729	43167.7165	116.5640	0.1241	0.0512	0.1019	43167.6875	-3.3615	-0.1934	43662.7910	0.1905892292	43662.9816	40123.3615	97.91%	163.3615	13.40	15	
21-1-19 0:00	2458504.50	3308.00	2 Lunes	Enero	21	3.256.97	3540.6373	43679.4493	43180.7815	116.5110	0.3691	0.0542	0.1080	43180.9884	-2.0486	-0.1318	43677.5838	0.03506632064	43677.6188	40136.9816	99.93%	Luna Llena	176.9816	14.52	Luna Llena 16
22-1-19 0:00	2458505.50	3309.00	3 Martes	Enero	22	3.257.95	3541.6543	43692.6257	43193.8464	116.4581	0.5999	0.0573	0.1140	43194.2751	-0.6273	-0.0425	43692.4986	-0.123852671	43692.3747	40150.7204	99.13%	190.7204	15.64	17	
23-1-19 0:00	2458506.50	3310.00	4 Miércoles	Enero	23	3.258.94	3542.6712	43705.8021	43206.9114	116.4051	0.8077	0.0603	0.1201	43207.5388	0.8250	0.0557	43707.4302	-0.2756978597	43707.1545	40164.4833	95.50%	204.4833	16.77	18	
24-1-19 0:00	2458507.50	3311.00	5 Jueves	Enero	24	3.259.92	3543.6879	43718.9785	43219.9764	116.3522	0.9845	0.0633	0.1261	43220.7715	2.2302	0.1419	43722.2717	-0.410554753	43721.8612	40178.1733	89.31%	218.1733	17.90	19	
25-1-19 0:00	2458508.50	3312.00	6 Viernes	Enero	25	3.260.91	3544.7044	43732.1549	43233.0414	116.2992	1.1233	0.0663	0.1320	43233.9664	3.5135	0.1983	43736.9237	-0.5202947411	43736.4034	40191.6990	80.99%	231.6990	19.01	20	
26-1-19 0:00	2458509.50	3313.00	7 Sábado	Enero	26	3.261.89	3545.7207	43745.3313	43246.1064	116.2463	1.2190	0.0693	0.1380	43247.1181	4.6080	0.2134	43751.3024	-0.5994160973	43750.7030	40204.9823	71.14%	244.9823	20.10	21	
27-1-19 0:00	2458510.50	3314.00	1 Domingo	Enero	27	3.262.88	3546.7368	43758.5077	43259.1714	116.1933	1.2678	0.0722	0.1439	43260.2231	5.4583	0.1845	43765.3460	-0.6453332767	43764.7006	40217.9638	60.43%	257.9638	21.16	22	
28-1-19 0:00	2458511.50	3315.00	2 Lunes	Enero	28	3.263.87	3547.7527	43771.6841	43272.2364	116.1404	1.2678	0.0752	0.1497	43273.2793	6.0227	0.1179	43779.0173	-0.6581396608	43778.3592	40230.6065	49.47%	270.6065	22.20	¡. Menguante 23	
29-1-19 0:00	2458512.50	3316.00	3 Martes	Enero	29	3.264.85	3548.7683	43784.8605	43285.3014	116.0874	1.2190	0.0781	0.1555	43286.2868	6.2754	0.0277	43792.3044	-0.6400141847	43791.6644	40242.8961	38.84%	282.8961	23.21	24	
30-1-19 0:00	2458513.50	3317.00	4 Miércoles	Enero	30	3.265.84	3549.7837	43798.0369	43298.3664	116.0345	1.1233	0.0810	0.1613	43299.2475	6.2069	-0.0679	43805.2182	-0.5944957525	43804.6237	40254.8400	29.00%	294.8400	24.19	25	
31-1-19 0:00	2458514.50	3318.00	5 Jueves	Enero	31	3.266.82	3550.7989	43811.2133	43311.4314	115.9815	0.9844	0.0838	0.1670	43312.1650	5.8239	-0.1495	43817.7882	-0.5258159297	43817.2624	402					

Epoca: 1-ene.-10 2010.0 2455196.50				e	£_g	Ω_g	L_o Luna	P_o Luna	N_o Luna	Año trópico	Luna Nueva Luna Llena Mes Sinódico													
7-2-19 0:00	2458521.50	3325.00	5 Jueves	Febrero	7	3,273.72	3557.8974	43903.4480	43402.8863	115.6108	-0.6023	0.1032	0.2054	43401.9755	-2.3533	0.1485	43900.5379	0.2534108953	43900.7913	40342.8939	3.94%	22.8939	1.88	3
8-2-19 0:00	2458522.50	3326.00	6 Viernes	Febrero	8	3,274.71	3558.9103	43916.6244	43415.9513	115.5579	-0.8099	0.1058	0.2107	43414.8249	-3.5912	0.2006	43912.3181	0.3624568554	43912.6806	40353.7703	8.44%	33.7703	2.77	4
9-2-19 0:00	2458523.50	3327.00	7 Sábado	Febrero	9	3,275.69	3559.9228	43929.8008	43429.0163	115.5049	-0.9864	0.1084	0.2159	43427.7057	-4.6517	0.2130	43924.2674	0.4601335262	43924.7276	40364.8048	14.52%	44.8048	3.68	5
10-2-19 0:00	2458524.50	3328.00	1 Domingo	Febrero	10	3,276.68	3560.9351	43942.9772	43442.0813	115.4520	-1.1248	0.1110	0.2210	43440.6245	-5.4800	0.1830	43936.4443	0.5425826532	43936.9869	40376.0519	22.08%	56.0519	4.60	6
11-2-19 0:00	2458525.50	3329.00	2 Lunes	Febrero	11	3,277.66	3561.9469	43956.1536	43455.1463	115.3990	-1.2200	0.1135	0.2261	43453.5867	-6.0323	0.1160	43948.9038	0.605774511	43949.5096	40387.5626	30.92%	67.5626	5.54	7
12-2-19 0:00	2458526.50	3330.00	3 Martes	Febrero	12	3,278.65	3562.9585	43969.3300	43468.2113	115.3461	-1.2681	0.1160	0.2311	43466.5960	-6.2775	0.0254	43961.6937	0.645617854	43962.3393	40399.3809	40.79%	79.3809	6.51	C. Creciente 8
13-2-19 0:00	2458527.50	3331.00	4 Miércoles	Febrero	13	3,279.64	3563.9697	43982.5064	43481.2763	115.2931	-1.2674	0.1185	0.2360	43479.6543	-6.1995	-0.0708	43974.8502	0.6582222624	43975.5084	40411.5388	51.34%	91.5388	7.51	9
14-2-19 0:00	2458528.50	3332.00	5 Jueves	Febrero	14	3,280.62	3564.9805	43995.6828	43494.3413	115.2402	-1.2178	0.1210	0.2409	43492.7616	-5.7989	-0.1527	43988.3925	0.6403464985	43989.0328	40424.0523	62.14%	104.0523	8.54	10
15-2-19 0:00	2458529.50	3333.00	6 Viernes	Febrero	15	3,281.61	3565.9910	44008.8592	43507.4063	115.1872	-1.1213	0.1234	0.2457	43505.9159	-5.0930	-0.2033	44002.3182	0.5900184016	44002.9082	40436.9172	72.64%	116.9172	9.59	11
16-2-19 0:00	2458530.50	3334.00	7 Sábado	Febrero	16	3,282.59	3567.0010	44022.0356	43520.4713	115.1342	-0.9816	0.1257	0.2504	43519.1135	-4.1163	-0.2118	44016.6002	0.5072350778	44017.1074	40450.1064	82.21%	130.1064	10.67	12
17-2-19 0:00	2458531.50	3335.00	1 Domingo	Febrero	17	3,283.58	3568.0107	44035.2120	43533.5362	115.0813	-0.8040	0.1281	0.2551	43532.3491	-2.9194	-0.1759	44031.1855	0.3945868916	44031.5801	40463.5694	90.23%	143.5694	11.78	13
18-2-19 0:00	2458532.50	3336.00	2 Lunes	Febrero	18	3,284.56	3569.0200	44048.3884	43546.6012	115.0283	-0.5954	0.1304	0.2596	43545.6158	-1.5622	-0.1030	44045.9974	0.2574577376	44046.2549	40477.2348	96.10%	157.2348	12.90	14
19-2-19 0:00	2458533.50	3337.00	3 Martes	Febrero	19	3,285.55	3570.0289	44061.5648	43559.6662	114.9754	-0.3638	0.1326	0.2641	43558.9056	-0.1201	-0.0082	44060.9401	0.1039894522	44061.0440	40491.0151	99.39%	171.0151	14.03	Luna Llena 15
20-2-19 0:00	2458534.50	3338.00	4 Miércoles	Febrero	20	3,286.54	3571.0375	44074.7412	43572.7312	114.9224	-0.1182	0.1349	0.2685	43572.2096	1.3300	0.0885	44075.9066	-0.05587648911	44075.8507	40504.8132	99.82%	Luna Llena 184.8132	15.16	16
21-2-19 0:00	2458535.50	3339.00	5 Jueves	Febrero	21	3,287.52	3572.0455	44087.9176	43585.7962	114.8695	0.1320	0.1370	0.2729	43585.5183	2.7091	0.1664	44090.7881	-0.2115223361	44090.5766	40518.5310	97.41%	198.5310	16.29	17
22-2-19 0:00	2458536.50	3340.00	6 Viernes	Febrero	22	3,288.51	3573.0532	44101.0940	43598.8612	114.8165	0.3771	0.1392	0.2771	43598.8220	3.9423	0.2090	44105.4833	-0.3530268136	44105.1303	40532.0771	92.37%	212.0771	17.40	18
23-2-19 0:00	2458537.50	3341.00	7 Sábado	Febrero	23	3,289.49	3574.0605	44114.2704	43611.9262	114.7636	0.6077	0.1413	0.2813	43612.1113	4.9630	0.2074	44119.9073	-0.4723169851	44119.4350	40545.3745	85.12%	225.3745	18.49	19
24-2-19 0:00	2458538.50	3342.00	1 Domingo	Febrero	24	3,290.48	3575.0673	44127.4468	43624.9912	114.7106	0.8149	0.1433	0.2854	43625.3773	5.7168	0.1621	44133.9972	-0.5638682007	44133.4334	40558.3661	76.22%	238.3661	19.55	20
25-2-19 0:00	2458539.50	3343.00	2 Lunes	Febrero	25	3,291.46	3576.0737	44140.6232	43638.0562	114.6577	0.9906	0.1453	0.2894	43638.6120	6.1648	0.0828	44147.7161	-0.6247986792	44147.0913	40571.0176	66.26%	251.0176	20.59	21
26-2-19 0:00	2458540.50	3344.00	3 Martes	Febrero	26	3,292.45	3577.0796	44153.7996	43651.1212	114.6047	1.1281	0.1473	0.2933	43651.8086	6.2855	-0.0135	44161.0523	-0.6546609076	44160.3977	40583.3180	55.82%	263.3180	21.60	L. Menguante 22
27-2-19 0:00	2458541.50	3345.00	4 Miércoles	Febrero	27	3,293.44	3578.0851	44166.9760	43664.1862	114.5518	1.2220	0.1492	0.2972	43664.9618	6.0754	-0.1068	44174.0174	-0.6547745952	44173.3627	40595.2775	45.40%	275.2775	22.58	23
28-2-19 0:00	2458542.50	3346.00	5 Jueves	Febrero	28	3,294.42	3579.0901	44180.1524	43677.2512	114.4988	1.2688	0.1511	0.3009	43678.0679	5.5490	-0.1777	44186.6414	-0.6276547049	44186.0137	40606.9236	35.45%	286.9236	23.54	24
1-3-19 0:00	2458543.50	3347.00	6 Viernes	Marzo	1	3,295.41	3580.0947	44193.3288	43690.3162	114.4458	1.2666	0.1530	0.3046	43691.1252	4.7370	-0.2120	44198.9674	-0.5764701424	44198.3909	40618.2962	26.30%	298.2962	24.47	25
2-3-19 0:00	2458544.50	3348.00	7 Sábado	Marzo	2	3,296.39	3581.0988	44206.5052	43703.3812	114.3929	1.2154	0.1547	0.3082	43704.1337	3.8645	-0.2032	44211.0471	-0.5046692028	44210.5424	40629.4436	18.23%	309.4436	25.38	26
3-3-19 0:00	2458545.50	3349.00	1 Domingo	Marzo	3	3,297.38	3582.1025	44219.6815	43716.4461	114.3399	1.1173	0.1565	0.3116	43717.0953	2.4475	-0.1534	44222.9364	-0.4157626611	44222.5206	40640.4182	11.46%	320.4182	26.28	27
4-3-19 0:00	2458546.50	3350.00	2 Lunes	Marzo	4	3,298.36	3583.1056	44232.8579	43729.5111	114.2870	0.9760	0.1582	0.3150	43730.0139	1.0905	-0.0731	44234.6931	-0.3132296326	44234.3799	40651.2743	6.15%	331.2743	27.17	28
5-3-19 0:00	2458547.50	3351.00	3 Martes	Marzo	5	3,299.35	3584.1083	44246.0343	43742.5761	114.2340	0.7969	0.1598	0.3183	43742.8949	-0.3176	0.0216	44246.3754	-0.2005050998	44246.1749	40662.0666	2.43%	342.0666	28.06	29
6-3-19 0:00	2458548.50	3352.00	4 Miércoles	Marzo	6	3,300.33	3585.1105	44259.2107	43755.6411	114.1811	0.5871	0.1614	0.3215	43755.7452	-1.7065	0.1118	44258.0417	-0.08101167711	44257.9606	40672.8501	0.39%	352.8501	28.94	Luna Nueva 30
7-3-19 0:00	2458549.50	3353.00	5 Jueves	Marzo	7	3,301.32	3586.1122	44272.3871	43768.7061	114.1281	0.3545	0.1630	0.3246	43768.8730	-3.0077	0.1798	44269.7507	0.04177621592	44269.7925	40683.6803	0.10%	Luna Nueva 3.6803	0.30	1
8-3-19 0:00	2458550.50	3354.00	6 Viernes	Marzo	8	3,302.31	3587.1134	44285.5635	43781.7711	114.0752	0.1082	0.1645	0.3276	43781.3871	-4.1577	0.2123	44281.5618	0.1642512954	44281.7261	40694.6127	1.62%	14.6127	1.20	2
9-3-19 0:00	2458551.50	3355.00	7 Sábado	Marzo	9	3,303.29	3588.1141	44298.7399	43794.8361	114.0222	-0.1423	0.1660	0.3305	43794.1973	-5.1003	0.2031	44293.5344	0.2825786071	44293.8170	40705.7029	4.95%	25.7029	2.11	3
10-3-19 0:00	2458552.50	3356.00	1 Domingo	Marzo	10	3,304.28	3589.1143	44311.9163	43807.9011	113.9693	-0.3874	0.1674	0.3333	43807.0130	-5.7892	0.1539	44305.7262	0.3926045788	44306.1168	40717.0045	10.07%	37.0045	3.04	4
11-3-19 0:00	2458553.50	3357.00	2 Lunes	Marzo	11	3,305.26	3590.1140	44325.0927	43820.9661	113.9163	-0.6174	0.1688	0.3360	43819.8439	-6.1901	0.0743	44318.1908	0.4898021191	44318.6806	40728.5666	16.91%	48.5666	3.98	5
12-3-19 0:00	2458554.50	3358.00	3 Martes	Marzo	12	3,306.25	3591.1131	44338.2691	43834.0311	113.8634	-0.8236	0.1701	0.3387	43832.6987	-6.2816	-0.0201	44330.9737	0.5693016202	44331.5430	40740.4298	25.33%	60.4298	4.96	6
13-3-19 0:00	2458555.50	3359.00	4 Miércoles	Marzo	13	3,307.23	3592.1118	44351.4455	43847.0961	113.8104	-0.9980	0.1713	0.3412	43845.5856	-6.0574	-0.1108	44344.1081	0.6260673842	44344.7342	40752.6224	35.07%	72.6224	5.96	7
14-3-19 0:00	2458556.50	3360.00	5 Jueves	Marzo	14	3,308.22	3593.1099	44364.6219	43860.1611	113.7574	-1.1337	0.1725	0.3436	43858.5113	-5.5259	-0.1795	44357.6102	0.6552696708	44358.2655	40765.1556	45.78%	85.1556	6.99	C. Creciente 8
15-3-19 0:00	2458557.50	3361.00	6 Viernes	Marzo	15	3,309.21	3594.1075	44377.7983	43873.2261	113.7045	-1.2255	0.1737	0.3459	43871.4810	-4.7113	-0.2124	44371.4755	0.6528644864	44372.1283	40778.0208	56.98%	98.0208	8.04	9
16-3-19 0:00	2458558.50	3362.00	7 Sábado	Marzo	16	3,310.19	3595.1046	44390.9747	43886.2910	113.6515	-1.2699	0.1748	0.3481	43884.4982	-3.6520	-0.2023	44385.6757	0.6163247343	44386.2920	40791.1874	68.07%	111.1874	9.12	10
17-3-19 0:00	2458559.50	3363.00	1 Domingo	Marzo	17	3,311.18	3596.1011	44404.1511	43899.3560	113.5986	-1.2651	0.1759	0.3502	43897.5649	-2.4000	-0.1510	44400.1592	0.54538207	44400.7046	40804.6035	78.39%	124.6035	10.22	11
18-3-19 0:00	2458560.50	3364.00	2 Lunes	Marzo	18	3,312.16	3597.0971																	

Epoca:		1-ene.-10	2010.0	2455196.50																Luna Nueva	Luna Llena	Mes Sinódico					
					e	£_g	☾_g	L_o Luna	P_o Luna	N_o Luna	Año trópico																
20-3-19 0:00	2458562.50	3366.00	4	Miércoles	Marzo	20	3,314.13	3599.0875	44443.6803	43938.5510	113.4397	-0.9667	0.1787	0.3559	43937.0497	1.8438	0.1200	44444.4986	0.1658139024	44444.6644	40845.5769	98.42%		165.5769	13.58	14	
21-3-19 0:00	2458563.50	3367.00	5	Jueves	Marzo	21	3,315.12	3600.0819	44456.8567	43951.6160	113.3868	-0.7855	0.1796	0.3576	43950.2934	3.1721	0.1864	44459.2502	0.00955530932	44459.2598	40859.1779	99.99%	Luna Llena	179.1779	14.70	Luna Llena	15
22-3-19 0:00	2458564.50	3368.00	6	Viernes	Marzo	22	3,316.11	3601.0757	44470.0331	43964.6810	113.3338	-0.5737	0.1804	0.3592	43963.5678	4.3342	0.2137	44473.8269	-0.1452984277	44473.6816	40872.6059	98.79%		192.6059	15.80		16
23-3-19 0:00	2458565.50	3369.00	7	Sábado	Marzo	23	3,317.09	3602.0690	44483.2095	43977.7460	113.2809	-0.3397	0.1811	0.3606	43976.8646	5.2660	0.1959	44488.1506	-0.2694213731	44487.8611	40885.7921	95.02%		205.7921	16.88		17
24-3-19 0:00	2458566.50	3370.00	1	Domingo	Marzo	24	3,318.08	3603.0617	44496.3859	43990.8110	113.2279	-0.0925	0.1818	0.3620	43990.1747	5.9159	0.1366	44502.1641	-0.4151944139	44501.7489	40898.6871	89.03%		218.6871	17.94		18
25-3-19 0:00	2458567.50	3371.00	2	Lunes	Marzo	25	3,319.06	3604.0539	44509.5623	44003.8760	113.1750	0.1584	0.1824	0.3633	44003.4886	6.2480	0.0482	44515.8345	-0.5171912881	44515.3173	40911.2633	81.29%		231.2633	18.97		19
26-3-19 0:00	2458568.50	3372.00	3	Martes	Marzo	26	3,320.05	3605.0455	44522.7387	44016.9410	113.1220	0.4031	0.1830	0.3644	44016.7966	6.2444	-0.0503	44529.1528	-0.5922155149	44528.5606	40923.5151	72.30%		243.5151	19.98		20
27-3-19 0:00	2458569.50	3373.00	4	Miércoles	Marzo	27	3,321.03	3606.0366	44535.9151	44030.0060	113.0690	0.6321	0.1835	0.3655	44030.0891	5.9060	-0.1381	44542.1316	-0.6390089162	44541.4926	40935.4560	62.56%		255.4560	20.95		21
28-3-19 0:00	2458570.50	3374.00	5	Jueves	Marzo	28	3,322.02	3607.0271	44549.0915	44043.0710	113.0161	0.8367	0.1840	0.3664	44043.3573	5.2526	-0.1966	44554.8002	-0.6578028515	44554.1424	40947.1153	52.52%		267.1153	21.91	: Menguanti	22
29-3-19 0:00	2458571.50	3375.00	6	Viernes	Marzo	29	3,323.00	3608.0170	44562.2679	44056.1359	112.9631	1.0088	0.1844	0.3672	44056.5931	4.3214	-0.2137	44567.2000	-0.6498631192	44566.5501	40958.5331	42.58%		278.5331	22.85		23
30-3-19 0:00	2458572.50	3376.00	7	Sábado	Marzo	30	3,323.99	3609.0064	44575.4443	44069.2009	112.9102	1.1418	0.1848	0.3680	44069.7900	3.1642	-0.1861	44579.3794	-0.6171208694	44578.7623	40969.7559	33.10%		289.7559	23.77		24
31-3-19 0:00	2458573.50	3377.00	1	Domingo	Marzo	31	3,324.98	3609.9952	44588.6207	44082.2659	112.8572	1.2304	0.1851	0.3686	44082.9427	1.8446	-0.1200	44591.3906	-0.5619203294	44590.8287	40980.8334	24.37%		300.8334	24.68		25
1-4-19 0:00	2458574.50	3378.00	2	Lunes	Abril	1	3,325.96	3610.9835	44601.7971	44095.3309	112.8043	1.2712	0.1853	0.3691	44096.0477	0.4334	-0.0294	44603.2870	-0.4868721798	44602.8001	40991.8166	16.66%		311.8166	25.58		26
2-4-19 0:00	2458575.50	3379.00	3	Martes	Abril	2	3,326.95	3611.9712	44614.9734	44108.3959	112.7513	1.2627	0.1855	0.3695	44109.1036	-0.9950	0.0669	44615.1225	-0.3947849702	44614.7277	41002.7565	10.20%		322.7565	26.48		27
3-4-19 0:00	2458576.50	3380.00	4	Miércoles	Abril	3	3,327.93	3612.9583	44628.1498	44121.4609	112.6984	1.2051	0.1857	0.3698	44122.1105	-2.3670	0.1492	44626.9515	-0.2886499543	44626.6628	41013.7045	5.17%		333.7045	27.37		28
4-4-19 0:00	2458577.50	3381.00	5	Jueves	Abril	4	3,328.92	3613.9448	44641.3262	44134.5259	112.6454	1.1006	0.1858	0.3699	44135.0708	-3.6134	0.2013	44638.8290	-0.1716659389	44638.6573	41024.7125	1.77%		344.7125	28.28		29
5-4-19 0:00	2458578.50	3382.00	6	Viernes	Abril	5	3,329.90	3614.9308	44654.5026	44147.5909	112.5925	0.9533	0.1858	0.3700	44147.9884	-4.6725	0.2128	44650.8105	-0.04729957331	44650.7632	41035.8324	0.13%	Luna Nueva	355.8324	29.19	Luna Nueva	1
6-4-19 0:00	2458579.50	3383.00	7	Sábado	Abril	6	3,330.89	3615.9162	44667.6790	44160.6559	112.5395	0.7690	0.1858	0.3700	44160.8691	-5.4932	0.1820	44662.9511	0.08062374541	44663.0317	41047.1155	0.39%		7.1155	0.58		2
7-4-19 0:00	2458580.50	3384.00	1	Domingo	Abril	7	3,331.88	3616.9011	44680.8554	44173.7209	112.4865	0.5547	0.1857	0.3698	44173.7201	-6.0364	0.1152	44675.3031	0.2078140858	44675.5110	41058.6099	2.61%		18.6099	1.53		3
8-4-19 0:00	2458581.50	3385.00	2	Lunes	Abril	8	3,332.86	3617.8854	44694.0318	44186.7859	112.4336	0.3188	0.1856	0.3695	44186.5496	-6.2772	0.0257	44687.9136	0.3294305879	44688.2430	41070.3576	6.86%		30.3576	2.49		4
9-4-19 0:00	2458582.50	3386.00	3	Martes	Abril	9	3,333.85	3618.8691	44707.2082	44199.8509	112.3806	0.0705	0.1854	0.3692	44199.3668	-6.2048	-0.0687	44700.8199	0.4400681501	44701.2599	41082.3908	13.07%		42.3908	3.48		5
10-4-19 0:00	2458583.50	3387.00	4	Miércoles	Abril	10	3,334.83	3619.8523	44720.3846	44212.9159	112.3277	-0.1806	0.1851	0.3687	44212.1815	-5.8232	-0.1496	44714.0461	0.5338818531	44714.5800	41094.7277	21.13%		54.7277	4.49		6
11-4-19 0:00	2458584.50	3388.00	5	Jueves	Abril	11	3,335.82	3620.8348	44733.5610	44225.9809	112.2747	-0.4246	0.1848	0.3681	44225.0033	-5.1511	-0.2011	44727.5993	0.6049058881	44728.2042	41107.3694	30.76%		67.3694	5.53		7
12-4-19 0:00	2458585.50	3389.00	6	Viernes	Abril	12	3,336.80	3621.8169	44746.7374	44239.0458	112.2218	-0.6522	0.1845	0.3674	44237.8418	-4.2208	-0.2129	44741.4670	0.6475887977	44742.1146	41120.2977	41.57%		80.2977	6.59	C. Creciente	8
13-4-19 0:00	2458586.50	3390.00	7	Sábado	Abril	13	3,337.79	3622.7983	44759.9138	44252.1108	112.1688	-0.8544	0.1841	0.3666	44250.7058	-3.0770	-0.1826	44755.6157	0.6575042922	44756.2732	41133.4749	53.03%		93.4749	7.67		9
14-4-19 0:00	2458587.50	3391.00	1	Domingo	Abril	14	3,338.77	3623.7792	44773.0902	44265.1758	112.1159	-1.0233	0.1836	0.3657	44263.6032	-1.7752	-0.1159	44769.9922	0.6321198953	44770.6243	41146.8450	64.49%		106.8450	8.76		10
15-4-19 0:00	2458588.50	3392.00	2	Lunes	Abril	15	3,339.76	3624.7596	44786.2666	44278.2408	112.0629	-1.1524	0.1831	0.3646	44276.5407	-0.3795	-0.0258	44784.5259	0.5714424961	44785.0973	41160.3377	75.25%		120.3377	9.87		11
16-4-19 0:00	2458589.50	3393.00	3	Martes	Abril	16	3,340.75	3625.7394	44799.4430	44291.3058	112.0100	-1.2366	0.1825	0.3635	44289.5232	1.0404	0.0698	44799.1341	0.4783455583	44799.6125	41173.8731	84.65%		133.8731	10.98		12
17-4-19 0:00	2458590.50	3394.00	4	Miércoles	Abril	17	3,341.73	3626.7186	44812.6194	44304.3708	111.9570	-1.2726	0.1819	0.3623	44302.5540	2.4120	0.1516	44813.7285	0.3584406395	44814.0869	41187.3683	92.11%		147.3683	12.09		13
18-4-19 0:00	2458591.50	3395.00	5	Jueves	Abril	18	3,342.72	3627.6973	44825.7958	44317.4358	111.9041	-1.2590	0.1812	0.3609	44315.6346	3.8638	0.2027	44828.2220	0.2194771529	44828.4415	41200.7442	97.20%		160.7442	13.19		14
19-4-19 0:00	2458592.50	3396.00	6	Viernes	Abril	19	3,343.70	3628.6754</																			

Epoca:		1-ene.-10	2010.0	2455196.50																					
					e	£_g	☾_g	L_o Luna	P_o Luna	N_o Luna	Año trópico											Luna Nueva	Luna Llena	Mes Sinódico	
30-4-19 0:00	2458603.50	3407.00	3 Martes	Abril	30	3.354.55	3639.3990	44983.9126	44474.2157	111.2686	1.0411	0.1690	0.3366	44474.7512	-1.6012	0.1054	44983.2888	-0.5464624673	44982.7424	41343.3433	22.52%		303.3433	24.88	26
1-5-19 0:00	2458604.50	3408.00	4 Miércoles	Mayo	1	3.355.53	3640.3707	44997.0889	44487.2807	111.2157	1.1652	0.1677	0.3339	44487.9443	-2.9469	0.1772	44995.3167	-0.46559269793	44994.8508	41354.4801	14.97%		314.4801	25.80	27
2-5-19 0:00	2458605.50	3409.00	5 Jueves	Mayo	2	3.356.52	3641.3419	45010.2653	44500.3457	111.1627	1.2437	0.1663	0.3311	44501.0921	-4.1333	0.2120	45007.4215	-0.367358416	45007.0541	41365.7122	8.69%		325.7122	26.72	28
3-5-19 0:00	2458606.50	3410.00	6 Viernes	Mayo	3	3.357.50	3642.3126	45023.4417	44513.4107	111.1097	1.2736	0.1648	0.3282	44514.1913	-5.0999	0.2031	45019.6538	-0.2536058127	45019.4002	41377.0875	3.94%		337.0875	27.65	29
4-5-19 0:00	2458607.50	3411.00	7 Sábado	Mayo	4	3.358.49	3643.2828	45036.6181	44526.4757	111.0568	1.2538	0.1633	0.3252	44527.2410	-5.7990	0.1527	45032.0623	-0.1280952332	45031.9342	41388.6514	0.98%		348.6514	28.60	Luna Nueva 30
5-5-19 0:00	2458608.50	3412.00	1 Domingo	Mayo	5	3.359.47	3644.2525	45049.7945	44539.5407	111.0038	1.1849	0.1618	0.3221	44540.2417	-6.1976	0.0715	45044.6916	0.0050445578	45044.6966	41400.4441	0.00%	Luna Nueva	0.4441	0.04	1
6-5-19 0:00	2458609.50	3413.00	2 Lunes	Mayo	6	3.360.46	3645.2217	45062.9709	44552.6057	110.9509	1.0697	0.1602	0.3189	44553.1962	-6.2788	-0.0238	45057.5778	0.1408676745	45057.7187	41412.4970	1.18%		12.4970	1.03	2
7-5-19 0:00	2458610.50	3414.00	3 Martes	Mayo	7	3.361.44	3646.1904	45076.1473	44565.6707	110.8979	0.9126	0.1585	0.3157	44566.1091	-6.0417	-0.1141	45070.7456	0.273569888	45071.0192	41424.8288	4.62%		24.8288	2.04	3
8-5-19 0:00	2458611.50	3415.00	4 Miércoles	Mayo	8	3.362.43	3647.1586	45089.3237	44578.7356	110.8450	0.7198	0.1568	0.3123	44578.9863	-5.5009	-0.1814	45084.2044	0.3965948238	45084.6010	41437.4424	10.30%		37.4424	3.07	4
9-5-19 0:00	2458612.50	3416.00	5 Jueves	Mayo	9	3.363.42	3648.1264	45102.5001	44591.8006	110.7920	0.4988	0.1551	0.3088	44591.8358	-4.6854	-0.2127	45097.9458	0.5029507116	45098.4487	41450.3223	18.08%		50.3223	4.13	5
10-5-19 0:00	2458613.50	3417.00	6 Viernes	Mayo	10	3.364.40	3649.0937	45115.6765	44604.8656	110.7391	0.2583	0.1533	0.3053	44604.6654	-3.6370	-0.2019	45111.9426	0.5857595381	45112.5284	41463.4347	27.64%		63.4347	5.20	6
11-5-19 0:00	2458614.50	3418.00	7 Sábado	Mayo	11	3.365.39	3650.0605	45128.8529	44617.9306	110.6861	0.0077	0.1515	0.3016	44617.4852	-2.4080	-0.1514	45126.1497	0.6389928641	45126.7887	41476.7282	38.52%		76.7282	6.29	7
12-5-19 0:00	2458615.50	3419.00	1 Domingo	Mayo	12	3.366.37	3651.0268	45142.0293	44630.9956	110.6332	-0.2433	0.1496	0.2979	44630.3048	-1.0590	-0.0710	45140.5063	0.6582728389	45141.1646	41490.1378	50.12%		90.1378	7.39	C. Creciente 8
13-5-19 0:00	2458616.50	3420.00	2 Lunes	Mayo	13	3.367.36	3651.9927	45155.2057	44644.0606	110.5802	-0.4847	0.1477	0.2941	44643.1341	0.3438	0.0234	45154.9405	0.6415625678	45155.5820	41503.5893	61.75%		103.5893	8.50	9
14-5-19 0:00	2458617.50	3421.00	3 Martes	Mayo	14	3.368.34	3652.9582	45168.3821	44657.1256	110.5273	-0.7072	0.1457	0.2902	44655.9825	1.7315	0.1133	45169.3740	0.5895662447	45169.9635	41517.0054	72.70%		117.0054	9.60	10
15-5-19 0:00	2458618.50	3422.00	4 Miércoles	Mayo	15	3.369.33	3653.9232	45181.5585	44670.1906	110.4743	-0.9020	0.1437	0.2862	44668.8586	3.0352	0.1809	45183.7289	0.5057190819	45184.2346	41530.3114	82.35%		130.3114	10.69	11
16-5-19 0:00	2458619.50	3423.00	5 Jueves	Mayo	16	3.370.32	3654.8877	45194.7349	44683.2556	110.4213	-1.0615	0.1417	0.2821	44681.7703	4.1891	0.2126	45197.9335	0.3967549462	45198.3292	41543.4415	90.16%		143.4415	11.77	12
17-5-19 0:00	2458620.50	3424.00	6 Viernes	Mayo	17	3.371.30	3655.8518	45207.9113	44696.3206	110.3684	-1.1795	0.1396	0.2780	44694.7236	5.1339	0.2018	45211.9279	0.2669560209	45212.1949	41556.3430	95.80%		156.3430	12.82	13
18-5-19 0:00	2458621.50	3425.00	7 Sábado	Mayo	18	3.372.29	3656.8155	45221.0877	44709.3856	110.3154	-1.2512	0.1375	0.2737	44707.7232	5.8192	0.1501	45225.6685	0.1272680094	45225.7957	41568.9802	99.08%		168.9802	13.86	Luna Llena 14
19-5-19 0:00	2458622.50	3426.00	1 Domingo	Mayo	19	3.373.27	3657.7788	45234.2641	44722.4506	110.2625	-1.2738	0.1353	0.2694	44720.7720	6.2072	0.0677	45239.1299	-0.01552203917	45239.1144	41581.3356	99.99%	Luna Llena	181.3356	14.87	15
20-5-19 0:00	2458623.50	3427.00	2 Lunes	Mayo	20	3.374.26	3658.7417	45247.4405	44735.5156	110.2095	-1.2466	0.1331	0.2650	44733.8709	6.2743	-0.0288	45252.3062	-0.1543981089	45252.1518	41593.4101	98.64%		193.4101	15.87	16
21-5-19 0:00	2458624.50	3428.00	3 Martes	Mayo	21	3.375.24	3659.7042	45260.6169	44748.5806	110.1566	-1.1705	0.1308	0.2605	44747.0187	6.0132	-0.1198	45265.2090	-0.2834557488	45264.9255	41605.2214	95.23%		205.2214	16.83	17
22-5-19 0:00	2458625.50	3429.00	4 Miércoles	Mayo	22	3.376.23	3660.6662	45273.7933	44761.6455	110.1036	-1.0485	0.1285	0.2560	44760.2126	5.4344	-0.1861	45277.8645	-0.3979921373	45277.4665	41616.8003	90.04%		216.8003	17.78	18
23-5-19 0:00	2458626.50	3430.00	5 Jueves	Mayo	23	3.377.22	3661.6279	45286.9697	44774.7105	110.0507	-0.8854	0.1262	0.2513	44773.4477	4.9655	-0.2137	45290.3100	-0.494421268	45289.8155	41628.1877	83.33%		228.1877	18.72	19
24-5-19 0:00	2458627.50	3431.00	6 Viernes	Mayo	24	3.378.20	3662.5892	45300.1461	44787.7755	109.9977	-0.6875	0.1238	0.2466	44786.7176	3.4510	-0.1963	45302.5894	-0.5701055681	45302.0193	41639.4301	75.43%		239.4301	19.64	20
25-5-19 0:00	2458628.50	3432.00	7 Sábado	Mayo	25	3.379.19	3663.5501	45313.3225	44800.8405	109.9448	-0.4627	0.1214	0.2418	44800.0146	2.1493	-0.1375	45314.7502	-0.623179697	45314.1270	41650.5770	66.63%		250.5770	20.55	21
26-5-19 0:00	2458629.50	3433.00	1 Domingo	Mayo	26	3.380.17	3664.5106	45326.4989	44813.9055	109.8918	-0.2197	0.1190	0.2370	44813.3299	0.7304	-0.0494	45326.8413	-0.6524113135	45326.1889	41661.6782	57.24%		261.6782	21.47	L. Menguante 22
27-5-19 0:00	2458630.50	3434.00	2 Lunes	Mayo	27	3.381.16	3665.4708	45339.6753	44826.9705	109.8389	0.0320	0.1165	0.2321	44826.6539	-0.7287	0.0493	45338.9113	-0.6571135237	45338.2542	41672.7834	47.57%		272.7834	22.38	23
28-5-19 0:00	2458631.50	3435.00	3 Martes	Mayo	28	3.382.14	3666.4306	45352.8517	44840.0355	109.7859	0.2824	0.1140	0.2271	44839.9768	-2.1484	0.1374	45351.0090	-0.6371055482	45350.3719	41683.9413	37.95%		283.9413	23.29	24
29-5-19 0:00	2458632.50	3436.00	4 Miércoles	Mayo	29	3.383.13	3667.3901	45366.0281	44853.1005	109.7329	0.5217	0.1115	0.2220	44853.2887	-3.4515	0.1964	45363.1831	-0.5927149085	45362.5904	41695.2003	28.71%		295.2003	24.22	25
30-5-19 0:00	2458633.50	3437.00	5 Jueves	Mayo	30	3.384.11	3668.3492	45379.2045	44866.1655	109.6800	0.7406	0.1089	0.2169	44866.5803	-4.5676	0.2137	45375.4821	-0.5248213996	45374.9573	41706.6081	20.18%		306.6081	25.15	26
31-5-19 0:00	2458634.50	3438.00	6 Viernes	Mayo	31	3.385.10	3669.3080	45392.3808	44879.2305	109.6270	0.9304	0.1063	0.2117	44879.8429	-5.4374	0.1859	45387.9534	-0.4349505624	45387.5184	41718.2104	12.72%		318.2104	26.10	27
1-6-19 0:00	2458635.50	3439.00	7 Sábado	Junio	1	3.386.09	3670.2665	45405.5572	44892.2955	109.5741	1.0837	0.1037	0.2064	44893.0690	-6.0160	0.1192	45400.6405	-0.3254221133	45400.3150	41730.0485	6.68%		330.0485	27.07	28
2-6-19 0:00	2458636.50	3440.00	1 Domingo	Junio	2	3.387.07	3671.2247	45418.7336	44905.3605	109.5211	1.1944	0.1010	0.2011	44906.2528	-6.2752	0.0279	45413.5798	-0.1995410616	45413.3803	41742.1556	2.41%		342.1556	28.07	29
3-6-19 0:00	2458637.50	3441.00	2 Lunes	Junio	3	3.388.06	3672.1825	45431.9100	44918.4255	109.4682	1.2583	0.0983	0.1958	44919.3897	-6.2043	-0.0689	45426.7968	-0.06178810951	45426.7350	41754.5525	0.23%	Luna Nueva	354.5525	29.08	Luna Nueva 1
4-6-19 0:00	2458638.50	3442.00	3 Martes	Junio	4	3.389.04	3673.1401	45445.0864	44931.4904	109.4152	1.2728	0.0956	0.1903	44932.4773	-5.8109	-0.1512	45440.3016	0.08206784069	45440.3836	41767.2436	0.40%		7.2436	0.59	2
5-6-19 0:00	2458639.50	3443.00	4 Miércoles	Junio	5	3.390.03	3674.0974	45458.2628	44944.5554	109.3623	1.2373	0.0928	0.1848	44945.5150	-5.1187	-0.2024	45454.0862	0.2250314538	45454.3112	41780.2139	3.08%		20.2139	1.66	3
6-6-19 0:00	2458640.50	3444.00	5 Jueves	Junio	6	3.391.01	3675.0543	45471.4392	44957.6204	109.3093	1.1531	0.0900	0.1793	44958.5042	-4.1666	-0.2124	45468.1233	0.3592003744	45468.4825	41793.4282	8.27%		3		

Epoca:		1-ene.-10	2010.0	2455196.50																	Luna Nueva	Luna Llena	Mes Sinódico				
					e	£_g	☾_g	L_o Luna	P_o Luna	N_o Luna	Año trópico																
10-6-19 0:00	2458644.50	3448.00	2	Lunes	Junio	10	3,394.96	3678.8796	45524.1448	45009.8804	109.0975	0.4221	0.0786	0.1566	45010.0672	1.0993	0.0737	45525.6612	0.6572617138	45526.3184	41847.4389	47.77%		87.4389	7.17	☾. Creciente	8
11-6-19 0:00	2458645.50	3449.00	3	Martes	Junio	11	3,395.94	3679.8353	45537.3212	45022.9454	109.0445	0.1767	0.0757	0.1508	45022.8955	2.4466	0.1534	45540.0222	0.6479226559	45540.6701	41860.8348	59.40%		100.8348	8.27		9
12-6-19 0:00	2458646.50	3450.00	4	Miércoles	Junio	12	3,396.93	3680.7908	45550.4976	45036.0104	108.9916	-0.0756	0.0728	0.1450	45035.7170	3.6712	0.2029	45554.2232	0.6040097211	45554.8272	41874.0365	70.37%		114.0365	9.35		10
13-6-19 0:00	2458647.50	3451.00	5	Jueves	Junio	13	3,397.91	3681.7460	45563.6740	45049.0754	108.9386	-0.3250	0.0699	0.1391	45048.5414	4.7129	0.2124	45568.2044	0.5294630721	45568.7339	41886.9879	80.08%		126.9879	10.42		11
14-6-19 0:00	2458648.50	3452.00	6	Viernes	Junio	14	3,398.90	3682.7010	45576.8504	45062.1404	108.8857	-0.5616	0.0669	0.1332	45061.3787	5.5202	0.1800	45581.9220	0.4299639985	45582.3520	41899.6510	88.11%		139.6510	11.46		12
15-6-19 0:00	2458649.50	3453.00	7	Sábado	Junio	15	3,399.89	3683.6558	45590.0268	45075.2054	108.8327	-0.7761	0.0639	0.1272	45074.2381	6.0521	0.1119	45595.3508	0.312143499	45595.6629	41912.0071	94.15%		152.0071	12.47		13
16-6-19 0:00	2458650.50	3454.00	1	Domingo	Junio	16	3,400.87	3684.6105	45603.2032	45088.2704	108.7798	-0.9602	0.0609	0.1212	45087.1280	6.2807	0.0214	45608.4842	0.1828458557	45608.6671	41924.0566	98.08%		164.0566	13.46		14
17-6-19 0:00	2458651.50	3455.00	2	Lunes	Junio	17	3,401.86	3685.5649	45616.3796	45101.3353	108.7268	-1.1065	0.0579	0.1152	45100.0558	6.1920	-0.0736	45621.3337	0.0485709253	45621.3822	41935.8173	99.87%	Luna Llena	175.8173	14.42	Luna Llena	15
18-6-19 0:00	2458652.50	3456.00	3	Martes	Junio	18	3,402.84	3686.5192	45629.5560	45114.4003	108.6739	-1.2093	0.0548	0.1092	45113.0271	5.7875	-0.1541	45633.9253	-0.08485612795	45633.8405	41947.3213	99.59%		187.3213	15.37		16
19-6-19 0:00	2458653.50	3457.00	4	Miércoles	Junio	19	3,403.83	3687.4733	45642.7324	45127.4653	108.6209	-1.2645	0.0518	0.1031	45126.0460	5.0846	-0.2036	45646.2971	-0.2124061202	45646.0847	41958.6114	97.39%		198.6114	16.29		17
20-6-19 0:00	2458654.50	3458.00	5	Jueves	Junio	20	3,404.81	3688.4272	45655.9088	45140.5303	108.5680	-1.2701	0.0487	0.0969	45139.1146	4.1162	-0.2118	45658.4944	-0.3298181867	45658.1646	41969.7374	93.42%		209.7374	17.20		18
21-6-19 0:00	2458655.50	3459.00	6	Viernes	Junio	21	3,405.80	3689.3810	45669.0852	45153.5953	108.5150	-1.2257	0.0456	0.0908	45152.2333	2.9297	-0.1764	45670.5672	-0.4334953567	45670.1337	41980.7526	87.88%		220.7526	18.11		19
22-6-19 0:00	2458656.50	3460.00	7	Sábado	Junio	22	3,406.78	3690.3347	45682.2616	45166.6603	108.4621	-1.1331	0.0425	0.0846	45165.4002	1.5851	-0.1044	45682.5667	-0.5203847699	45682.0464	41991.7117	80.98%		231.7117	19.01		20
23-6-19 0:00	2458657.50	3461.00	1	Domingo	Junio	23	3,407.77	3691.2882	45695.4380	45179.7253	108.4091	-0.9959	0.0394	0.0784	45178.6116	0.1524	-0.0104	45694.5447	-0.5878814765	45693.9568	42002.6686	72.96%		242.6686	19.91		21
24-6-19 0:00	2458658.50	3462.00	2	Lunes	Junio	24	3,408.76	3692.2416	45708.6144	45192.7903	108.3561	-0.8196	0.0362	0.0721	45191.8623	-1.2927	0.0861	45706.5519	-0.6337720705	45705.9182	42013.6766	64.05%		253.6766	20.81		22
25-6-19 0:00	2458659.50	3463.00	3	Martes	Junio	25	3,409.74	3693.1949	45721.7908	45205.8553	108.3032	-0.6110	0.0331	0.0659	45205.1453	-2.6721	0.1646	45718.6391	-0.656220094	45717.9829	42024.7880	54.54%		264.7880	21.72	☾. Menguante	23
26-6-19 0:00	2458660.50	3464.00	4	Miércoles	Junio	26	3,410.73	3694.1481	45734.9672	45218.9203	108.2502	-0.3784	0.0299	0.0596	45218.4523	-3.9106	0.2084	45730.8566	-0.653792893	45730.2028	42036.0547	44.73%		276.0547	22.64		24
27-6-19 0:00	2458661.50	3465.00	5	Jueves	Junio	27	3,411.71	3695.1012	45748.1436	45231.9853	108.1973	-0.1310	0.0268	0.0533	45231.7742	-4.9402	0.2080	45743.2537	-0.6255369706	45742.6281	42047.5269	34.94%		287.5269	23.59		25
28-6-19 0:00	2458662.50	3466.00	6	Viernes	Junio	28	3,412.70	3696.0542	45761.3200	45245.0503	108.1443	0.1217	0.0236	0.0470	45245.1013	-5.7041	0.1634	45755.8774	-0.5711178237	45755.3063	42059.2520	25.57%		299.2520	24.55		26
29-6-19 0:00	2458663.50	3467.00	7	Sábado	Junio	29	3,413.68	3697.0072	45774.4963	45258.1153	108.0914	0.3695	0.0204	0.0407	45258.4237	-6.1607	0.0841	45768.7689	-0.4910397918	45768.2779	42071.2707	17.02%		311.2707	25.53		27
30-6-19 0:00	2458664.50	3468.00	1	Domingo	Junio	30	3,414.67	3697.9601	45787.6727	45271.1803	108.0384	0.6029	0.0173	0.0344	45271.7315	-6.2857	-0.0129	45781.9597	-0.3869424628	45781.5728	42083.6127	9.75%		323.6127	26.55		28
1-7-19 0:00	2458665.50	3469.00	2	Lunes	Julio	1	3,415.66	3698.9129	45800.8491	45284.2452	107.9855	0.8125	0.0141	0.0280	45285.0156	-6.0739	-0.1071	45795.4666	-0.2619309064	45795.2046	42096.2917	4.22%		336.2917	27.59		29
2-7-19 0:00	2458666.50	3470.00	3	Martes	Julio	2	3,416.64	3699.8657	45814.0255	45297.3102	107.9325	0.9901	0.0109	0.0217	45298.2678	-5.5386	-0.1785	45809.2876	-0.1208474988	45809.1668	42109.3011	0.87%		349.3011	28.65	Luna Nueva	30
3-7-19 0:00	2458667.50	3471.00	4	Miércoles	Julio	3	3,417.63	3700.8184	45827.2019	45310.3752	107.8796	1.1288	0.0077	0.0153	45311.4811	-4.7113	-0.2124	45823.3994	0.02964429726	45823.4291	42122.6106	0.05%	Luna Nueva	2.6106	0.21		1
4-7-19 0:00	2458668.50	3472.00	5	Jueves	Julio	4	3,418.61	3701.7712	45840.3783	45323.4402	107.8266	1.2232	0.0045	0.0090	45324.6499	-3.6384	-0.2020	45837.7566	0.1812911521	45837.9379	42136.1667	1.98%		16.1667	1.33		2
5-7-19 0:00	2458669.50	3473.00	6	Viernes	Julio	5	3,419.60	3702.7239	45853.5547	45336.5052	107.7737	1.2694	0.0013	0.0026	45337.7707	-2.3791	-0.1499	45852.2938	0.3248613266	45852.6187	42149.8948	6.65%		29.8948	2.45		3
6-7-19 0:00	2458670.50	3474.00	7	Sábado	Julio	6	3,420.58	3703.6766	45866.7311	45349.5702	107.7207	1.2656	-0.0019	-0.0038	45350.8415	-1.0009	-0.0673	45866.9304	0.4510879106	45867.3815	42163.7049	13.85%		43.7049	3.59		4
7-7-19 0:00	2458671.50	3475.00	1	Domingo	Julio	7	3,421.57	3704.6293	45879.9075	45362.6352	107.6677	1.2121	-0.0051	-0.0101	45363.8625	0.4236	0.0288	45881.5771	0.5517695543	45882.1289	42177.4995	23.13%		57.4995	4.72		5
8-7-19 0:00	2458672.50	3476.00	2	Lunes	Julio	8	3,422.55	3705.5821	45893.0839	45375.7002	107.6148	1.1109	-0.0083	-0.0165	45376.8359	1.8214	0.1186	45896.1431	0.6207745996	45896.7639	42191.1818	33.87%		71.1818	5.84		6
9-7-19 0:00	2458673.50	3477.00	3	Martes	Julio	9	3,423.54	3706.5348	45906.2603	45388.7652	107.5618	0.9660	-0.0115	-0.0228	45389.7655	3.1220	0.1844	45910.5442	0.654705002	45911.1989	42204.6641	45.35%		84.6641	6.94	☾. Creciente	7
10-7-19 0:00	2458674.50	3478.00	4	Miércoles	Julio	10	3,424.53	3707.4876	45919.4367	45401.																	

Epoca:		1-ene.-10	2010.0	2455196.50															Luna Nueva	Luna Llena	Mes Sinódico						
					e	£_g	☾_g	L_o Luna	P_o Luna	N_o Luna	Año trópico																
21-7-19 0:00	2458685.50	3489.00	1	Domingo	Julio	21	3,435.37	3717.9735	46064.3771	45545.5451	106.9264	-1.2724	-0.0492	-0.0981	45544.4199	-0.4846	0.0329	46062.7021	-0.4632782933	46062.2388	42344.2653	85.81%	224.2653	18.40	19		
22-7-19 0:00	2458686.50	3490.00	2	Lunes	Julio	22	3,436.35	3718.9275	46077.5535	45558.6101	106.8734	-1.2594	-0.0523	-0.1042	45557.5071	-1.8918	0.1228	46074.5774	-0.5434958512	46074.0339	42355.1064	78.60%	235.1064	19.29	20		
23-7-19 0:00	2458687.50	3491.00	3	Martes	Julio	23	3,437.34	3719.8816	46090.7299	45571.6751	106.8205	-1.1969	-0.0554	-0.1103	45570.6438	-3.2053	0.1877	46086.5707	-0.6045637442	46085.9662	42366.0845	70.27%	246.0845	20.19	21		
24-7-19 0:00	2458688.50	3492.00	4	Miércoles	Julio	24	3,438.33	3720.8359	46103.9063	45584.7401	106.7675	-1.0873	-0.0584	-0.1163	45583.8275	-4.3548	0.2138	46098.7364	-0.6436758365	46098.0927	42377.2568	61.03%	257.2568	21.10	22		
25-7-19 0:00	2458689.50	3493.00	5	Jueves	Julio	25	3,439.31	3721.7904	46117.0827	45597.8051	106.7146	-0.9350	-0.0614	-0.1224	45597.0539	-5.2773	0.1953	46111.1271	-0.6882558951	46110.4689	42388.6785	51.15%	268.6785	22.04	¿. Menguante	23	
26-7-19 0:00	2458690.50	3494.00	6	Viernes	Julio	26	3,440.30	3722.7451	46130.2591	45610.8701	106.6616	-0.7459	-0.0645	-0.1283	45610.3169	-5.9212	0.1357	46123.7921	-0.6461017122	46123.1460	42400.4010	40.97%	280.4010	23.00	24		
27-7-19 0:00	2458691.50	3495.00	7	Sábado	Julio	27	3,441.28	3723.6999	46143.4355	45623.9350	106.6087	-0.5275	-0.0674	-0.1343	45623.6092	-6.2495	0.0473	46136.7732	-0.6056390113	46136.1675	42412.4676	30.89%	292.4676	23.99	25		
28-7-19 0:00	2458692.50	3496.00	1	Domingo	Julio	28	3,442.27	3724.6550	46156.6118	45637.0000	106.5557	-0.2884	-0.0704	-0.1402	45636.9222	-6.2428	-0.0512	46150.0999	-0.5362998153	46149.5636	42424.9086	21.39%	304.9086	25.01	26		
29-7-19 0:00	2458693.50	3497.00	2	Lunes	Julio	29	3,443.25	3725.6103	46169.7882	45650.0650	106.5028	-0.0380	-0.0734	-0.1461	45650.2465	-5.9000	-0.1390	46163.7846	-0.43898092	46163.3456	42437.7353	13.00%	317.7353	26.06	27		
30-7-19 0:00	2458694.50	3498.00	3	Martes	Julio	30	3,444.24	3726.5658	46182.9646	45663.1300	106.4498	0.2139	-0.0763	-0.1519	45663.5721	-5.2396	-0.1972	46177.8181	-0.3166118795	46177.5014	42450.9357	6.30%	330.9357	27.15	28		
31-7-19 0:00	2458695.50	3499.00	4	Miércoles	Julio	31	3,445.22	3727.5215	46196.1410	45676.1950	106.3969	0.4574	-0.0792	-0.1577	45676.8893	-4.2977	-0.2135	46192.1664	-0.1743178719	46191.9921	42464.4706	1.83%	344.4706	28.26	29		
1-8-19 0:00	2458696.50	3500.00	5	Jueves	Agosto	1	3,446.21	3728.4775	46209.3174	45689.2600	106.3439	0.6830	-0.0821	-0.1634	45690.1885	-3.1264	-0.1846	46206.7715	-0.0195983827	46206.7519	42478.2744	0.02%	Luna Nueva	358.2744	29.39	Luna Nueva	1
2-8-19 0:00	2458697.50	3501.00	6	Viernes	Agosto	2	3,447.20	3729.4337	46222.4938	45702.3250	106.2909	0.8816	-0.0849	-0.1691	45703.4607	-1.7902	-0.1168	46221.5534	0.1382130079	46221.6916	42492.2579	1.14%	12.2579	1.01	2		
3-8-19 0:00	2458698.50	3502.00	7	Sábado	Agosto	3	3,448.18	3730.3902	46235.6702	45715.3900	106.2380	1.0457	-0.0877	-0.1747	45716.6982	-0.3622	-0.0246	46236.4169	0.2888548623	46236.7057	42506.3155	5.18%	26.3155	2.16	3		
4-8-19 0:00	2458699.50	3503.00	1	Domingo	Agosto	4	3,449.17	3731.3470	46248.8466	45728.4550	106.1850	1.1686	-0.0906	-0.1803	45729.8945	1.0806	0.0725	46251.2589	0.4223712027	46251.6812	42520.3343	11.89%	40.3343	3.31	4		
5-8-19 0:00	2458700.50	3504.00	2	Lunes	Agosto	5	3,450.15	3732.3040	46262.0230	45741.5200	106.1321	1.2457	-0.0933	-0.1859	45743.0448	2.4617	0.1542	46265.9779	0.5303649711	46266.5083	42534.2043	20.76%	54.2043	4.45	5		
6-8-19 0:00	2458701.50	3505.00	3	Martes	Agosto	6	3,451.14	3733.2613	46275.1994	45754.5850	106.0791	1.2738	-0.0961	-0.1913	45756.1462	3.7093	0.2039	46280.4825	0.6069567192	46281.0894	42547.8281	31.13%	67.8281	5.56	6		
7-8-19 0:00	2458702.50	3506.00	4	Miércoles	Agosto	7	3,452.12	3734.2189	46288.3758	45767.6500	106.0262	1.2519	-0.0988	-0.1968	45769.1974	4.7603	0.2117	46294.6985	0.6492330071	46295.3477	42561.1288	42.29%	81.1288	6.65	¿. Creciente	7	
8-8-19 0:00	2458703.50	3507.00	5	Jueves	Agosto	8	3,453.11	3735.1768	46301.5522	45780.7150	105.9732	1.1808	-0.1015	-0.2021	45782.1994	5.5627	0.1766	46308.5739	0.657143296	46309.2310	42574.0542	53.53%	94.0542	7.72	8		
9-8-19 0:00	2458704.50	3508.00	6	Viernes	Agosto	9	3,454.10	3736.1350	46314.7286	45793.7800	105.9203	1.0634	-0.1042	-0.2074	45795.1549	6.0787	0.1060	46322.0809	0.6329698241	46322.7139	42586.5788	64.27%	106.5788	8.74	9		
10-8-19 0:00	2458705.50	3509.00	7	Sábado	Agosto	10	3,455.08	3737.0936	46327.9050	45806.8449	105.8673	0.9043	-0.1068	-0.2127	45808.0687	6.2850	0.0144	46335.2155	0.5805854625	46335.7961	42598.7025	74.01%	118.7025	9.74	10		
11-8-19 0:00	2458706.50	3510.00	1	Domingo	Agosto	11	3,456.07	3738.0524	46341.0814	45819.9099	105.8144	0.7096	-0.1094	-0.2178	45820.9468	6.1742	-0.0798	46347.9948	0.5047126391	46348.4995	42610.4471	82.44%	130.4471	10.70	11		
12-8-19 0:00	2458707.50	3511.00	2	Lunes	Agosto	12	3,457.05	3739.0116	46354.2578	45832.9749	105.7614	0.4871	-0.1120	-0.2229	45833.7970	5.7539	-0.1580	46360.4528	0.4103300257	46360.8632	42621.8515	89.32%	141.8515	11.64	12		
13-8-19 0:00	2458708.50	3512.00	3	Martes	Agosto	13	3,458.04	3739.9712	46367.4342	45846.0399	105.7085	0.2456	-0.1145	-0.2280	45846.6280	5.0468	-0.2049	46372.6361	0.3022873428	46372.9384	42632.9672	94.54%	152.9672	12.55	13		
14-8-19 0:00	2458709.50	3513.00	4	Miércoles	Agosto	14	3,459.02	3740.9311	46380.6106	45859.1049	105.6555	-0.0057	-0.1170	-0.2330	45859.4492	4.0884	-0.2114	46384.5989	0.1851180778	46384.7840	42643.8529	98.03%	163.8529	13.44	14		
15-8-19 0:00	2458710.50	3514.00	5	Jueves	Agosto	15	3,460.01	3741.8913	46393.7870	45872.1699	105.6025	-0.2566	-0.1195	-0.2379	45872.2706	2.9261	-0.1763	46396.3996	0.0630004346	46396.4626	42654.5713	99.78%	174.5713	14.32	Luna Llena	15	
16-8-19 0:00	2458711.50	3515.00	6	Viernes	Agosto	16	3,461.00	3742.8519	46406.9634	45885.2349	105.5496	-0.4975	-0.1219	-0.2427	45885.1020	1.6168	-0.1063	46408.0982	-0.06019309636	46408.0380	42665.1661	99.80%	185.1861	15.19	16		
17-8-19 0:00	2458712.50	3516.00	7	Sábado	Agosto	17	3,461.98	3743.8129	46420.1398	45898.2999	105.4966	-0.7189	-0.1243	-0.2475	45897.9528	0.2246	-0.0153	46419.7546	-0.1808076393	46419.5738	42675.7609	98.12%	195.7609	16.06	17		
18-8-19 0:00	2458713.50	3517.00	1	Domingo	Agosto	18	3,462.97	3744.7743	46433.3162	45911.3649	105.4437	-0.9120	-0.1266	-0.2522	45910.8317	-1.1818	0.0790	46431.4280	-0.2953119103	46431.1327	42686.3584	94.80%	206.3584	16.93	18		
19-8-19 0:00	2458714.50	3518.00	2	Lunes	Agosto	19	3,463.95	3745.7360	46446.4926	45924.4299	105.3907	-1.0694	-0.1290	-0.2568	45923.7462	-2.5323	0.1578	46443.1776	-0.4002147242	46442.7773	42697.0413	89.91%	217.0413	17.80	19		
20-8-19 0:00	2458715.50	3519.00	3	Martes	Agosto	20	3,464.94	3746.6981	46459.6690	45937.4949	105.3378	-1.1848	-0.1312	-0.2613	45936.7026	-3.7585	0.2051	46455.0620	-0.4919997792	46454.5700	42707.8719	83.54%	227.8719	18.69	20		
21-8-19 0:00	2458716.50	3520.00	4	Miércoles	Agosto	21	3,465.92	3747.6607	46472.8454	45950.5599	105.2848	-1.2538	-0.1335	-0.2658	45949.7053	-4.7965	0.2111	46467.1397	-0.5670879004	46466.5726	42718.9119	75.82%	238.9119	19.60	21		
22-8-19 0:00	2458717.50	3521.00	5	Jueves	Agosto	22	3,466.91	3748.6236	46486.0218	45963.6249	105.2319	-1.2736	-0.1357	-0.2702	45962.7571	-5.5910	0.1742	46479.4670	-0.6218465765	46478.8451	42730.2215	66.92%	250.2215	20.53	22		
23-8-19 0:00	2458718.50	3522.00	6	Viernes	Agosto	23	3,467.89	3749.5870	46499.1982	45976.6898	105.1789	-1.2435	-0.1378	-0.2745	45975.8587	-6.0980	0.1014	46492.0958	-0.6526814078	46491.4431	42741.8562	57.08%	261.8562	21.48	¿. Menguante	23	
24-8-19 0:00	2458719.50	3523.00	7	Sábado	Agosto	24	3,468.88	3750.5508	46512.3746	45989.7548	105.1260	-1.1647	-0.1400	-0.2787	45989.0088	-6.2877	0.0074	46505.0695	-0.6562537219	46504.4133	42753.8625	46.63%	273.8625	22.46	24		
25-8-19 0:00	2458720.50	3524.00	1	Domingo	Agosto	25	3,469.87	3751.5150	46525.5510	46002.8198	105.0730	-1.0403	-0.1421	-0.2829	46002.2045	-6.1465	-0.0884	46518.4178	-0.6298609114	46517.7879	42766.2730	35.99%	286.2730	23.48	25		
26-8-19 0:00	2458721.50	3525.00	2	Lunes	Agosto	26	3,470.85	3752.4796	46538.7274	46015.8848	105.0200	-0.8751	-0.1441	-0.2869	46015.4407	-5.6788	-0.1660	46532.1515	-0.5719800244	46531.5795	42779.0999	25.68%	299.0999	24.54	26		
27-8-19 0:00	2458722.50	3526.00	3	Martes	Agosto	27	3,471.84	3753.4447	46551.9037	46028.9498	104.9671	-0.6757	-0.1461	-0.2909	46028.7112	-4.9070	-0.20										



Epoca:		1-ene.-10	2010.0	2455196.50																					Luna Nueva	Luna Llena	Mes Sinódico		
					e	£_g	☾_g	L_o Luna	P_o Luna	N_o Luna	Año trópico																		
31-8-19 0:00	2458726.50	3530.00	7	Sábado	Agosto	31	3,475.78	3757.3095	46604.6093	46081.2098	104.7553	0.2950	-0.1536	-0.3059	46081.9644	0.2156	0.0147	46605.2882	0.09137512201	46605.3796	42848.0701	0.50%	8.0701	0.66	31				
1-9-19 0:00	2458727.50	3531.00	1	Domingo	Septiembre	1	3,476.77	3758.2769	46617.7857	46094.2748	104.7023	0.5332	-0.1554	-0.3095	46095.2729	1.8565	0.1088	46620.2396	0.2462064485	46620.4858	42862.2089	3.71%	22.2089	1.82	32				
2-9-19 0:00	2458728.50	3532.00	2	Lunes	Septiembre	2	3,477.75	3759.2447	46630.9621	46107.3398	104.6494	0.7505	-0.1571	-0.3129	46108.5603	3.0065	0.1797	46635.0560	0.3851823643	46635.4411	42876.1964	9.65%	36.1964	2.97	33				
3-9-19 0:00	2458729.50	3533.00	3	Martes	Septiembre	3	3,478.74	3760.2130	46644.1385	46120.4048	104.5964	0.9384	-0.1588	-0.3163	46121.8183	4.1931	0.2127	46649.6415	0.5000410146	46650.1415	42889.9285	17.81%	49.9285	4.10	34				
4-9-19 0:00	2458730.50	3534.00	4	Miércoles	Septiembre	4	3,479.72	3761.1818	46657.3149	46133.4698	104.5435	1.0896	-0.1605	-0.3195	46135.0393	5.1538	0.2010	46663.9198	0.5851765437	46664.5049	42903.3231	27.55%	63.3231	5.19	35				
5-9-19 0:00	2458731.50	3535.00	5	Jueves	Septiembre	5	3,480.71	3762.1511	46670.4913	46146.5347	104.4905	1.1982	-0.1620	-0.3227	46148.2177	5.8396	0.1475	46677.8386	0.6378675623	46678.4765	42916.3254	38.18%	76.3254	6.26	36				
6-9-19 0:00	2458732.50	3536.00	6	Viernes	Septiembre	6	3,481.69	3763.1209	46683.6677	46159.5997	104.4376	1.2599	-0.1636	-0.3258	46161.3490	6.2171	0.0636	46691.3719	0.6579933067	46692.0299	42928.9090	49.05%	88.9090	7.29	C. Creciente	37			
7-9-19 0:00	2458733.50	3537.00	7	Sábado	Septiembre	7	3,482.68	3764.0912	46696.8441	46172.6647	104.3846	1.2723	-0.1651	-0.3287	46174.4309	6.2698	-0.0330	46704.5184	0.6474286692	46705.1658	42941.0746	59.60%	101.0746	8.29	38				
8-9-19 0:00	2458734.50	3538.00	1	Domingo	Septiembre	8	3,483.67	3765.0620	46710.0205	46185.7297	104.3316	1.2350	-0.1665	-0.3316	46187.4629	5.9988	-0.1225	46717.2983	0.6093426873	46717.9077	42952.8457	69.41%	112.8457	9.26	39				
9-9-19 0:00	2458735.50	3539.00	2	Lunes	Septiembre	9	3,484.65	3766.0333	46723.1969	46198.7947	104.2787	1.1495	-0.1679	-0.3344	46200.4465	5.4214	-0.1870	46729.7488	0.5475766572	46730.2963	42964.2631	78.15%	124.2631	10.19	40				
10-9-19 0:00	2458736.50	3540.00	3	Martes	Septiembre	10	3,485.64	3767.0051	46736.3733	46211.8597	104.2257	1.0190	-0.1693	-0.3371	46213.3850	4.5703	-0.2137	46741.9182	0.466193713	46742.3844	42975.3793	85.59%	135.3793	11.11	41				
11-9-19 0:00	2458737.50	3541.00	4	Miércoles	Septiembre	11	3,486.62	3767.9774	46749.5497	46224.9247	104.1728	0.8488	-0.1705	-0.3396	46226.2836	3.4907	-0.1976	46753.8621	0.369214267	46754.2313	42986.2539	91.58%	146.2539	12.00	42				
12-9-19 0:00	2458738.50	3542.00	5	Jueves	Septiembre	12	3,487.61	3768.9502	46762.7261	46237.9897	104.1198	0.6454	-0.1718	-0.3421	46239.1490	2.2384	-0.1424	46765.6392	0.2605035381	46765.8997	42996.9495	96.01%	156.9495	12.87	43				
13-9-19 0:00	2458739.50	3543.00	6	Viernes	Septiembre	13	3,488.59	3769.9236	46775.9025	46251.0547	104.0669	0.4168	-0.1730	-0.3445	46251.9889	0.8764	-0.0591	46777.3096	0.1437607307	46777.4534	43007.5298	98.82%	167.5298	13.74	44				
14-9-19 0:00	2458740.50	3544.00	7	Sábado	Septiembre	14	3,489.58	3770.8975	46789.0789	46264.1197	104.0139	0.1719	-0.1741	-0.3467	46264.8125	-0.5276	0.0358	46788.9331	0.02256491074	46788.9557	43018.0582	99.97%	Luna Llena	178.0582	14.61	Luna Llena	45		
15-9-19 0:00	2458741.50	3545.00	1	Domingo	Septiembre	15	3,490.56	3771.8719	46802.2553	46277.1847	103.9610	-0.0796	-0.1752	-0.3489	46277.6292	-1.9045	0.1235	46800.5699	-0.0995521386	46800.4703	43028.5984	99.44%	188.5984	15.47	46				
16-9-19 0:00	2458742.50	3546.00	2	Lunes	Septiembre	16	3,491.55	3772.8469	46815.4317	46290.2497	103.9080	-0.3280	-0.1763	-0.3510	46290.4489	-3.1869	0.1870	46812.2801	-0.2190212074	46812.0610	43039.2142	97.21%	199.2142	16.34	47				
17-9-19 0:00	2458743.50	3547.00	3	Martes	Septiembre	17	3,492.54	3773.8224	46828.6081	46303.3147	103.8551	-0.5636	-0.1772	-0.3529	46303.2813	-4.3113	0.2136	46824.1240	-0.3321469374	46823.7919	43049.9695	93.31%	209.9695	17.22	48				
18-9-19 0:00	2458744.50	3548.00	4	Miércoles	Septiembre	18	3,493.52	3774.7984	46841.7845	46316.3797	103.8021	-0.7771	-0.1782	-0.3548	46316.1355	-5.2218	0.1980	46836.1618	-0.4350257142	46835.7267	43060.9283	87.78%	220.9283	18.12	49				
19-9-19 0:00	2458745.50	3549.00	5	Jueves	Septiembre	19	3,494.51	3775.7750	46854.9609	46329.4446	103.7492	-0.9604	-0.1790	-0.3566	46329.0199	-5.8717	0.1431	46848.4509	-0.5234928054	46847.9275	43072.1525	80.68%	232.1525	19.04	50				
20-9-19 0:00	2458746.50	3550.00	6	Viernes	Septiembre	20	3,495.49	3776.7521	46868.1373	46342.5096	103.6962	-1.1061	-0.1799	-0.3582	46341.9416	-6.2265	0.0594	46861.0439	-0.5931382536	46860.4508	43083.6987	72.15%	243.6987	19.99	51				
21-9-19 0:00	2458747.50	3551.00	7	Sábado	Septiembre	21	3,496.48	3777.7298	46881.3137	46355.5746	103.6432	-1.2087	-0.1807	-0.3597	46354.9063	-6.2656	-0.0365	46873.9836	-0.6394448099	46873.3441	43095.6143	62.42%	255.6143	20.97	52				
22-9-19 0:00	2458748.50	3552.00	1	Domingo	Septiembre	22	3,497.46	3778.7080	46894.4901	46368.6396	103.5903	-1.2642	-0.1814	-0.3612	46367.9180	-5.9836	-0.1253	46887.2984	-0.6581007726	46886.6403	43107.9322	51.80%	267.9322	21.98	¡. Menguante	53			
23-9-19 0:00	2458749.50	3553.00	2	Lunes	Septiembre	23	3,498.45	3779.6868	46907.6665	46381.7046	103.5373	-1.2704	-0.1820	-0.3625	46380.9788	-5.3916	-0.1889	46900.9976	-0.6455141499	46900.3521	43120.6654	40.75%	280.6654	23.02	54				
24-9-19 0:00	2458750.50	3554.00	3	Martes	Septiembre	24	3,499.44	3780.6661	46920.8429	46394.7696	103.4844	-1.2271	-0.1827	-0.3637	46394.0889	-4.5169	-0.2139	46915.0677	-0.599495567	46914.4682	43133.8021	29.82%	293.8021	24.10	55				
25-9-19 0:00	2458751.50	3555.00	4	Miércoles	Septiembre	25	3,500.42	3781.6460	46934.0192	46407.8346	103.4314	-1.1359	-0.1832	-0.3648	46407.2467	-3.4023	-0.1947	46929.4895	-0.5199935003	46928.9495	43147.3035	19.70%	307.3035	25.21	56				
26-9-19 0:00	2458752.50	3556.00	5	Jueves	Septiembre	26	3,501.41	3782.6264	46947.1956	46420.8996	103.3785	-1.0006	-0.1837	-0.3658	46420.4486	-2.1045	-0.1350	46944.1393	-0.4096855594	46943.7296	43161.1032	11.09%	321.1032	26.34	57				
27-9-19 0:00	2458753.50	3557.00	6	Viernes	Septiembre	27	3,502.39	3783.6075	46960.3720	46433.9646	103.3255	-0.8262	-0.1842	-0.3667	46433.6893	-0.6912	-0.0468	46958.9920	-0.2741994868	46958.7178	43175.1103	4.64%	335.1103	27.49	58				
28-9-19 0:00	2458754.50	3558.00	7	Sábado	Septiembre	28	3,503.38	3784.5890	46973.5484	46447.0296	103.2726	-0.6198	-0.1846	-0.3675	46446.9619	0.7622	0.0515	46973.9270	-0.1217957347	46973.8052	43189.2162	0.88%	349.2162	28.65	Luna Nueva	59			
29-9-19 0:00	2458755.50	3559.00	1	Domingo	Septiembre	29	3,504.36	3785.5712	46986.7248	46460.0946	103.2196	-0.3892	-0.1849	-0.3682	46460.2585	2.1775	0.1390	46988.8371	0.0375036029	46988.8746	43203.3034	0.08%	Luna Nueva	3.3034	0.27	1			
30-9-19 0:00	2458756.50	3560.00	2	Lunes	Septiembre	30	3,505.35	3786.5538	46999.9012	46473.1596	103.1667	-0.1434	-0.1852	-0.3688	46473.5701	3.4773	0.1972	47003.6175	0.193167608	47003.8107	43217.2568	2.25%	17.2568	1.42	2				
1-10-19 0:00																													

Epoca:		1-ene.-10	2010.0	2455196.50															Luna Nueva	Luna Llena	Mes Sinódico					
					e	£_g	☾_g	L_o Luna	P_o Luna	N_o Luna	Año trópico															
11-10-19 0:00	2458767.50	3571.00	6	Viernes	Octubre	11	3.516.19	3797.4008	47144.8416	46616.8745	102.5842	1.1247	-0.1847	-0.3678	46618.5517	0.1589	-0.0108	47146.2991	0.3400504446	47146.6392	43349.2384	92.97%	149.2384	12.24	13	
12-10-19 0:00	2458768.50	3572.00	7	Sábado	Octubre	12	3.517.18	3798.3903	47158.0180	46629.9395	102.5312	0.9856	-0.1843	-0.3671	46631.4765	-1.2512	0.0835	47158.0201	0.2291436742	47158.2493	43359.8590	96.94%	159.8590	13.11	14	
13-10-19 0:00	2458769.50	3573.00	1	Domingo	Octubre	13	3.518.16	3799.3804	47171.1944	46643.0045	102.4783	0.8082	-0.1839	-0.3663	46644.3628	-2.5941	0.1608	47169.7532	0.1100916315	47169.8633	43370.4829	99.31%	170.4829	13.98	Luna Llena 15	
14-10-19 0:00	2458770.50	3574.00	2	Lunes	Octubre	14	3.519.15	3800.3710	47184.3708	46656.0695	102.4253	0.5994	-0.1834	-0.3653	46657.2176	-3.8036	0.2062	47181.5562	-0.0136166516	47181.5426	43381.1716	99.99%	Luna Llena	181.1716	14.86	16
15-10-19 0:00	2458771.50	3575.00	3	Martes	Octubre	15	3.520.13	3801.3621	47197.5472	46669.1344	102.3724	0.3674	-0.1829	-0.3642	46670.0490	-4.8208	0.2107	47193.4874	-0.138275914	47193.3491	43391.9870	98.91%	191.9870	15.75	17	
16-10-19 0:00	2458772.50	3576.00	4	Miércoles	Octubre	16	3.521.12	3802.3538	47210.7236	46682.1994	102.3194	0.1212	-0.1823	-0.3631	46682.8660	-5.5965	0.1737	47205.6043	-0.259865003	47205.3445	43402.9906	96.03%	202.9906	16.65	18	
17-10-19 0:00	2458773.50	3577.00	5	Jueves	Octubre	17	3.522.11	3803.3461	47223.9000	46695.2644	102.2664	-0.1297	-0.1817	-0.3618	46695.6782	-6.0532	0.1026	47217.9614	-0.373955812	47217.5874	43414.2413	91.33%	214.2413	17.57	19	
18-10-19 0:00	2458774.50	3578.00	6	Viernes	Octubre	18	3.523.09	3804.3389	47237.0764	46708.3294	102.2135	-0.3755	-0.1810	-0.3604	46708.4952	-6.2864	0.0112	47230.6066	-0.4756724639	47230.1309	43425.7920	84.86%	225.7920	18.52	20	
19-10-19 0:00	2458775.50	3579.00	7	Sábado	Octubre	19	3.524.08	3805.3323	47250.2528	46721.3944	102.1605	-0.6068	-0.1802	-0.3589	46721.3267	-6.1661	-0.0824	47243.5776	-0.5597585316	47243.0179	43437.6856	76.73%	237.6856	19.50	21	
20-10-19 0:00	2458776.50	3580.00	1	Domingo	Octubre	20	3.525.06	3806.3263	47263.4292	46734.4594	102.1076	-0.8145	-0.1794	-0.3573	46734.1816	-5.7368	-0.1599	47256.8973	-0.6208130223	47256.2765	43449.9503	67.14%	249.9503	20.50	22	
21-10-19 0:00	2458777.50	3581.00	2	Lunes	Octubre	21	3.526.05	3807.3207	47276.6056	46747.5244	102.0546	-0.9906	-0.1786	-0.3556	46747.0679	-5.0178	-0.2058	47270.5698	-0.6537357295	47269.9161	43462.5953	56.44%	262.5953	21.54	¿. Menguanti 23	
22-10-19 0:00	2458778.50	3582.00	3	Martes	Octubre	22	3.527.03	3808.3158	47289.7820	46760.5894	102.0017	-1.1283	-0.1776	-0.3538	46759.9925	-4.0429	-0.2108	47284.5776	-0.6543724202	47283.9233	43475.6075	45.11%	275.6075	22.61	24	
23-10-19 0:00	2458779.50	3583.00	4	Miércoles	Octubre	23	3.528.02	3809.3113	47302.9584	46773.6544	101.9487	-1.2223	-0.1767	-0.3519	46772.9608	-2.8588	-0.1733	47298.8806	-0.6202747309	47298.2603	43488.9490	33.76%	288.9490	23.70	25	
24-10-19 0:00	2458780.50	3584.00	5	Jueves	Octubre	24	3.529.00	3810.3074	47316.1348	46786.7194	101.8958	-1.2689	-0.1757	-0.3498	46785.9760	-1.5239	-0.1006	47313.4170	-0.5514103974	47312.8656	43502.5581	23.09%	302.5581	24.82	26	
25-10-19 0:00	2458781.50	3585.00	6	Viernes	Octubre	25	3.529.99	3811.3041	47329.3111	46799.7844	101.8428	-1.2664	-0.1746	-0.3477	46799.0403	-0.1053	-0.0072	47328.1069	-0.4506137766	47327.6563	43516.3522	13.82%	316.3522	25.95	27	
26-10-19 0:00	2458782.50	3586.00	7	Sábado	Octubre	26	3.530.98	3812.3012	47342.4875	46812.8494	101.7899	-1.2148	-0.1735	-0.3455	46812.1535	1.3240	0.0881	47342.8583	-0.3235917447	47342.5347	43530.2335	6.60%	330.2335	27.09	28	
27-10-19 0:00	2458783.50	3587.00	1	Domingo	Octubre	27	3.531.96	3813.2989	47355.6639	46825.9144	101.7369	-1.1162	-0.1723	-0.3432	46825.3137	2.8888	0.1654	47357.5744	-0.1784080036	47357.3960	43544.0970	1.91%	344.0970	28.23	29	
28-10-19 0:00	2458784.50	3588.00	2	Lunes	Octubre	28	3.532.95	3814.2972	47368.8403	46838.9794	101.6840	-0.9743	-0.1711	-0.3407	46838.5168	3.9162	0.2085	47372.1618	-0.02452814265	47372.1373	43557.8401	0.04%	Luna Nueva	357.8401	29.35	Luna Nueva 1
29-10-19 0:00	2458785.50	3589.00	3	Martes	Octubre	29	3.533.93	3815.2959	47382.0167	46852.0443	101.6310	-0.7948	-0.1698	-0.3382	46851.7575	4.9391	0.2081	47386.5389	0.128348804	47386.6672	43571.3713	0.98%	11.3713	0.93	2	
30-10-19 0:00	2458786.50	3590.00	4	Miércoles	Octubre	30	3.534.92	3816.2952	47395.1931	46865.1093	101.5780	-0.5845	-0.1685	-0.3356	46865.0289	5.7007	0.1638	47400.6416	0.2713863564	47400.9130	43584.6178	4.54%	24.6178	2.02	3	
31-10-19 0:00	2458787.50	3591.00	5	Jueves	Octubre	31	3.535.90	3817.2949	47408.3695	46878.1743	101.5251	-0.3517	-0.1671	-0.3328	46878.3226	6.1584	0.0848	47414.4283	0.3973970409	47414.8257	43597.5307	10.35%	37.5307	3.08	4	
1-11-19 0:00	2458788.50	3592.00	6	Viernes	Noviembre	1	3.536.89	3818.2952	47421.5459	46891.2393	101.4721	-0.1052	-0.1657	-0.3300	46891.6298	6.2861	-0.0122	47427.8803	0.5012094169	47428.3815	43610.0863	17.92%	50.0863	4.11	5	
2-11-19 0:00	2458789.50	3593.00	7	Sábado	Noviembre	2	3.537.88	3819.2960	47434.7223	46904.3043	101.4192	0.1453	-0.1642	-0.3271	46904.9409	6.0760	-0.1066	47441.0012	0.5796464856	47441.5809	43622.2848	26.75%	62.2848	5.11	6	
3-11-19 0:00	2458790.50	3594.00	1	Domingo	Noviembre	3	3.538.86	3820.2973	47447.8987	46917.3693	101.3662	0.3901	-0.1627	-0.3240	46918.2462	5.5398	-0.1784	47453.8129	0.6312418461	47454.4441	43634.1468	36.34%	74.1468	6.08	7	
4-11-19 0:00	2458791.50	3595.00	2	Lunes	Noviembre	4	3.539.85	3821.2991	47461.0751	46930.4343	101.3133	0.6199	-0.1612	-0.3209	46931.5363	4.7072	-0.2124	47466.3510	0.6558466205	47467.0068	43645.7077	46.26%	85.7077	7.03	C. Creciente 8	
5-11-19 0:00	2458792.50	3596.00	3	Martes	Noviembre	5	3.540.83	3822.3014	47474.2515	46943.4993	101.2603	0.8257	-0.1595	-0.3177	46944.8022	3.6248	-0.2016	47478.6599	0.6542504355	47479.3141	43657.0127	56.10%	97.0127	7.96	9	
6-11-19 0:00	2458793.50	3597.00	4	Miércoles	Noviembre	6	3.541.82	3823.3042	47487.4279	46956.5643	101.2074	0.9995	-0.1579	-0.3144	46958.0361	2.3521	-0.1485	47490.7889	0.627884583	47491.4168	43668.1126	65.54%	108.1126	8.87	10	
7-11-19 0:00	2458794.50	3598.00	5	Jueves	Noviembre	7	3.542.80	3824.3074	47500.6043	46969.6293	101.1544	1.1347	-0.1562	-0.3110	46971.2311	0.9587	-0.0645	47502.7894	0.5786241762	47503.3680	43679.0606	74.29%	119.0606	9.77	11	
8-11-19 0:00	2458795.50	3599.00	6	Viernes	Noviembre	8	3.543.79	3825.3111	47513.7807	46982.6943	101.1015	1.2260	-0.1544	-0.3075	46984.3822	-0.4805	0.0326	47514.7133	0.5086750755	47515.2219	43689.9108	82.08%	129.9108	10.66	12	
9-11-19 0:00	2458796.50	3600.00	7	Sábado	Noviembre	9	3.544.78	3826.3153	47526.9571	46995.7593	101.0485	1.2700	-0.1526	-0.3039	46997.4858	-1.8895	0.1227	47526.6129	0.4205227815	47527.0334	43700.7180	88.70%	140.7180	11.54	13	
10-11-19 0:00	2458797.50	3601.00	1	Domingo	Noviembre	10	3.545.76	3827.3200	47540.1335	47008.8243	100.9956	1.2649	-0.1508	-0.3002	47010.5402	-3.1955	0.1873	47538.5410	0.31692891	47538.8579	43711.5379	93.96%	151.5379	12.43	14	
11-11-19 0:00	2458798.50	3602.00	2	Lunes	Noviembre	11	3.546.75	3828.3251	47553.3099	47021.8892	100.9426	1.2110	-0.1489	-0.2985	47023.5456	-4.3324	0.2137	47550.5511	0.2009552041	47550.7520	43722.4269	97.67%	162.4269	13.32	15	
12-11-19 0:00	2458799.50	3603.00	3	Martes	Noviembre	12	3.547.73	3829.3307	47566.4863	47034.9542	100.8896	1.1103	-0.1469	-0.2926	47036.5041	-5.2442	0.1970	47562.6963	0.07605570434	47562.7723	43733.4417	99.67%	173.4417	14.23	Luna Llena 16	
13-11-19 0:00	2458800.50	3604.00	4	Miércoles	Noviembre	13	3.548.72	3830.3367	47579.6627	47048.0192	100.8367	0.9668	-0.1450	-0.2887	47049.4196	-5.8673	0.1408	47575.0280	-0.05384034181	47574.9742	43744.6374	99.84%	Luna Llena	184.6374	15.15	17
14-11-19 0:00	2458801.50	3605.00	5	Jueves	Noviembre	14	3.549.70	3831.3432	47592.8391	47061.0842	100.7837	0.7859	-0.1429	-0.2847	47062.2977	-6.2319	0.0568	47587.5929	-0.1842085662	47587.4087	43756.0655	98.05%	196.0655	16.08	18	
15-11-19 0:00	2458802.50	3606.00	6	Viernes	Noviembre	15	3.550.69	3832.3501	47606.0155	47074.1492	100.7308	0.5747	-0.1409	-0.2806	47075.1454	-6.2633	-0.0382	47600.4296	-0.3098596466	47600.1197	43767.7697	94.24%	207.7697	17.04	19	
16-11-19 0:00	2458803.50	3607.00	7	Sábado	Noviembre	16	3.551.67	3833.3574	47619.1919	47087.2142	100.6778	0.3414	-0.1388	-0.2764	47087.9708	-5.9818	-0.1256	47613.5646	-0.4249682759	47613.1397	43779.7823	88.42%	219.7823	18.03	20	
17-11-19 0:00	2458804.50	3608.00	1	Domingo	Noviembre	17	3.552.66	3834.3652	47632.3683	47100.2792	100.6249	0.0949	-0.1366	-0.2721	47											



Epoca:		1-ene.-10	2010.0	2455196.50															Luna Nueva	Luna Llena	Mes Sinódico					
					e	£_g	☾_g	L_o Luna	P_o Luna	N_o Luna	Año trópico															
21-11-19 0:00	2458808.50	3612.00	5	Jueves	Noviembre	21	3.556.60	3838.4003	47685.0739	47152.5392	100.4131	-0.8325	-0.1277	-0.2542	47152.0885	-0.8656	-0.0584	47683.4450	-0.635735633	47682.8093	43844.4090	37.56%	284.4090	23.33	25	
22-11-19 0:00	2458809.50	3613.00	6	Viernes	Noviembre	22	3.557.59	3839.4100	47698.2503	47165.6042	100.3601	-1.0049	-0.1253	-0.2495	47164.9741	0.5453	0.0370	47697.9529	-0.5782901629	47697.3746	43857.9646	26.55%	297.9646	24.44	26	
23-11-19 0:00	2458810.50	3614.00	7	Sábado	Noviembre	23	3.558.57	3840.4202	47711.4266	47178.6692	100.3072	-1.1385	-0.1229	-0.2448	47177.8984	1.9327	0.1252	47712.4689	-0.4888373982	47711.9801	43871.5599	16.83%	311.5599	25.56	27	
24-11-19 0:00	2458811.50	3615.00	1	Domingo	Noviembre	24	3.559.56	3841.4307	47724.6030	47191.7341	100.2542	-1.2282	-0.1205	-0.2400	47190.8664	3.2263	0.1885	47726.9101	-0.3730602743	47726.5371	43885.1063	8.99%	325.1063	26.67	28	
25-11-19 0:00	2458812.50	3616.00	2	Lunes	Noviembre	25	3.560.55	3842.4416	47737.7794	47204.7991	100.2012	-1.2706	-0.1181	-0.2351	47203.8817	4.3591	0.2138	47741.1998	-0.2385049793	47740.9613	43898.5197	3.47%	338.5197	27.77	29	
26-11-19 0:00	2458813.50	3617.00	3	Martes	Noviembre	26	3.561.53	3843.4529	47750.9558	47217.8641	100.1483	-1.2640	-0.1156	-0.2302	47216.9459	5.2708	0.1957	47755.2739	-0.09365345986	47755.1802	43911.7274	0.52%	351.7274	28.85	Luna Nueva 30	
27-11-19 0:00	2458814.50	3618.00	4	Miércoles	Noviembre	27	3.562.52	3844.4645	47764.1322	47230.9291	100.0953	-1.2087	-0.1131	-0.2252	47230.0586	5.9115	0.1372	47769.0853	0.05303397777	47769.1384	43924.6739	0.17%	Luna Nueva	4.6739	0.38	1
28-11-19 0:00	2458815.50	3619.00	5	Jueves	Noviembre	28	3.563.50	3845.4764	47777.3086	47243.9941	100.0424	-1.1069	-0.1105	-0.2201	47243.2178	6.2446	0.0502	47782.6071	0.1939031151	47782.8010	43937.3245	2.27%	17.3245	1.42	2	
29-11-19 0:00	2458816.50	3620.00	6	Viernes	Noviembre	29	3.564.49	3846.4887	47790.4850	47257.0591	99.9894	-0.9624	-0.1079	-0.2149	47256.4196	6.2492	-0.0476	47795.8322	0.3225959321	47796.1548	43949.6661	6.55%	29.6661	2.43	3	
30-11-19 0:00	2458817.50	3621.00	7	Sábado	Noviembre	30	3.565.47	3847.5013	47803.6614	47270.1241	99.9365	-0.7809	-0.1053	-0.2097	47269.6583	5.9221	-0.1356	47808.7724	0.3432291006	47809.2066	43961.7053	12.67%	41.7053	3.42	4	
1-12-19 0:00	2458818.50	3622.00	1	Domingo	Diciembre	1	3.566.46	3848.5143	47816.8378	47283.1891	99.8835	-0.5692	-0.1027	-0.2044	47282.9269	5.2784	-0.1953	47821.4544	0.5252374717	47821.9797	43973.4655	20.23%	53.4655	4.39	5	
2-12-19 0:00	2458819.50	3623.00	2	Lunes	Diciembre	2	3.567.45	3849.5275	47830.0142	47296.2541	99.8306	-0.3357	-0.1000	-0.1991	47296.2174	4.3512	-0.2138	47833.9159	0.5936186541	47834.5095	43984.9820	28.85%	64.9820	5.33	6	
3-12-19 0:00	2458820.50	3624.00	3	Martes	Diciembre	3	3.568.43	3850.5411	47843.1906	47309.3191	99.7776	-0.0893	-0.0973	-0.1937	47309.5208	3.1897	-0.1871	47846.2012	0.6377898599	47846.8390	43996.2980	38.16%	76.2980	6.26	7	
4-12-19 0:00	2458821.50	3625.00	4	Miércoles	Diciembre	4	3.569.42	3851.5549	47856.3670	47322.3841	99.7247	0.1605	-0.0945	-0.1883	47322.8274	1.8567	-0.1207	47858.3581	0.6572755806	47859.0153	44007.4604	47.78%	87.4604	7.17	C. Creciente 8	
5-12-19 0:00	2458822.50	3626.00	5	Jueves	Diciembre	5	3.570.40	3852.5691	47869.5434	47335.4491	99.6717	0.4042	-0.0918	-0.1827	47336.1278	0.4247	-0.0288	47870.4352	0.6521056892	47871.0873	44018.5183	57.41%	98.5183	8.08	9	
6-12-19 0:00	2458823.50	3627.00	6	Viernes	Diciembre	6	3.571.39	3853.5835	47882.7198	47348.5141	99.6188	0.6323	-0.0890	-0.1772	47349.4125	-1.0284	0.0691	47882.4817	0.6228146531	47883.1045	44029.5210	66.71%	109.5210	8.98	10	
7-12-19 0:00	2458824.50	3628.00	7	Sábado	Diciembre	7	3.572.37	3854.5982	47895.8962	47361.5791	99.5658	0.8360	-0.0862	-0.1716	47362.6728	-2.4241	0.1522	47894.5466	0.5704006742	47895.1170	44040.5188	75.39%	120.5188	9.89	11	
8-12-19 0:00	2458825.50	3629.00	1	Domingo	Diciembre	8	3.573.36	3855.6131	47909.0726	47374.6440	99.5128	1.0076	-0.0833	-0.1659	47375.9009	-3.6875	0.2033	47906.6793	0.4963263617	47907.1756	44051.5625	83.17%	131.5625	10.79	12	
9-12-19 0:00	2458826.50	3630.00	2	Lunes	Diciembre	9	3.574.34	3856.6283	47922.2490	47387.7090	99.4599	1.1404	-0.0804	-0.1602	47389.0900	-4.7525	0.2118	47918.9291	0.4025612676	47919.3317	44062.7033	89.78%	142.7033	11.71	13	
10-12-19 0:00	2458827.50	3631.00	3	Martes	Diciembre	10	3.575.33	3857.6438	47935.4254	47400.7740	99.4069	1.2293	-0.0776	-0.1544	47402.2353	-5.5646	0.1764	47931.3441	0.2916708788	47931.6357	44073.9920	94.94%	153.9920	12.63	14	
11-12-19 0:00	2458828.50	3632.00	4	Miércoles	Diciembre	11	3.576.32	3858.6595	47948.6018	47413.8390	99.3540	1.2709	-0.0746	-0.1486	47415.3331	-6.0837	0.1048	47943.9684	0.1669490689	47944.1354	44085.4759	98.40%	165.4759	13.57	15	
12-12-19 0:00	2458829.50	3633.00	5	Jueves	Diciembre	12	3.577.30	3859.6754	47961.7782	47426.9040	99.3010	1.2636	-0.0717	-0.1428	47428.3821	-6.2861	0.0121	47956.8394	0.03257029673	47956.8720	44097.1966	99.94%	Luna Llena	177.1966	14.54	Luna Llena 16
13-12-19 0:00	2458830.50	3634.00	6	Viernes	Diciembre	13	3.578.29	3860.6915	47974.9546	47439.9690	99.2481	1.2077	-0.0687	-0.1369	47441.3823	-6.1649	-0.0828	47969.9833	-0.1062901702	47969.8770	44109.1855	99.36%	189.1855	15.52	17	
14-12-19 0:00	2458831.50	3635.00	7	Sábado	Diciembre	14	3.579.27	3861.7079	47988.1310	47453.0340	99.1951	1.1053	-0.0658	-0.1309	47454.3360	-5.7298	-0.1607	47983.4115	-0.2434433578	47983.1681	44121.4602	96.53%	201.4602	16.53	18	
15-12-19 0:00	2458832.50	3636.00	1	Domingo	Diciembre	15	3.580.26	3862.7244	48001.3074	47466.0990	99.1422	0.9604	-0.0628	-0.1250	47467.2472	-5.0059	-0.2062	47997.1184	-0.371861231	47996.7466	44134.0222	91.44%	214.0222	17.56	19	
16-12-19 0:00	2458833.50	3637.00	2	Lunes	Diciembre	16	3.581.24	3863.7411	48014.4838	47479.1640	99.0892	0.7787	-0.0597	-0.1190	47480.1213	-4.0320	-0.2106	48011.0795	-0.484093413	48010.5955	44146.8543	84.19%	226.8543	18.61	20	
17-12-19 0:00	2458834.50	3638.00	3	Martes	Diciembre	17	3.582.23	3864.7581	48027.6602	47492.2290	99.0363	0.5669	-0.0567	-0.1129	47492.9655	-2.8583	-0.1733	48025.2522	-0.572921812	48024.6792	44159.9212	75.06%	239.9212	19.68	21	
18-12-19 0:00	2458835.50	3639.00	4	Miércoles	Diciembre	18	3.583.22	3865.7752	48040.8366	47505.2940	98.9833	0.3334	-0.0537	-0.1068	47505.7879	-1.5439	-0.1019	48039.5778	-0.6321698305	48038.9456	44173.1705	64.48%	253.1705	20.77	22	
19-12-19 0:00	2458836.50	3640.00	5	Jueves	Diciembre	19	3.584.20	3866.7924	48054.0130	47518.3590	98.9304	0.0870	-0.0506	-0.1007	47518.5973	-0.1539	-0.0105	48053.9862	-0.6575105775	48053.3287	44186.5363	53.02%	266.5363	21.86	L. Menguante 23	
20-12-19 0:00	2458837.50	3641.00	6	Viernes	Diciembre	20	3.585.19	3867.8098	48067.1894	47531.4240	98.8774	-0.1626	-0.0475	-0.0946	47531.4034	1.2434	0.0830	48068.4005	-0.647085975	48067.7534	44199.9436	41.37%	279.9436	22.96	24	
21-12-19 0:00	2458838.50	3642.00	7	Sábado	Diciembre	21	3.586.17	3868.8274	48080.3658	47544.4889	98.8244	-0.4061	-0.0444	-0.0884	47544.2157	2.5794	0.1601	48082.7436	-0.6017777444	48082.1418	44213.3145	30.21%	293.3145	24.06	25	
22-12-19 0:00	2458839.50	3643.00	1	Domingo	Diciembre	22	3.587.16	3869.8451	48093.5421	47557.5539	98.7715	-0.6339	-0.0413	-0.0822	47557.0436	3.7884	0.2058	48096.9438	-0.5205084648	48096.4187	44226.5736	20.21%	306.5736	25.15	26	
23-12-19 0:00	2458840.50	3644.00	2	Lunes	Diciembre	23	3.588.14	3870.8629	48106.7185	47570.6189	98.7185	-0.8373	-0.0382	-0.0760	47569.8958	4.8100	0.2109	48110.9403	-0.4224653653	48110.5178	44239.6549	11.89%	319.6549	26.22	27	
24-12-19 0:00	2458841.50	3645.00	3	Martes	Diciembre	24	3.589.13	3871.8808	48119.8949	47583.6839	98.6656	-1.0085	-0.0350	-0.0698	47582.7802	5.9922	0.1741	48124.6877	-0.3008369397	48124.3869	44252.5061	5.65%	332.5061	27.28	28	
25-12-19 0:00	2458842.50	3646.00	4	Miércoles	Diciembre	25	3.590.12	3872.8988	48133.0713	47596.7489	98.6126	-1.1410	-0.0319	-0.0635	47595.7033	6.0938	0.1024	48138.1585	-0.1674973533	48137.9910	44265.0921	1.68%	345.0921	28.31	29	
26-12-19 0:00	2458843.50	3647.00	5	Jueves	Diciembre	26	3.591.10	3873.9170	48146.2477	47609.8139	98.5597	-1.2296	-0.0287	-0.0572	47608.6703	6.2869	0.0099	48151.3437	-0.0295557782	48151.3141	44277.3972	0.05%	Luna Nueva	357.3972	29.32	Luna Nueva 1
27-12-19 0:00	2458844.50	3648.00	6	Viernes	Diciembre	27	3.592.09	3874.9352	48159.4241	47622.8789	98.5067	-1.2709	-0.0256	-0.0509	47621.6845	6.1583	-0.0849	48164.2522	0.1065760925	48164.3587	44289.4235	0.67%	9.4235	0.77	2	
28-12-19 0:00	2458845.50	3649.00	7	Sábado	Diciembre	28	3.593.07	3875.9535	48172.6005	47635.9439	98.4538	-1.2634	-0.0224	-0.0446	47634.7475	5.7111	-0.1627	48176.907								

- 1 Domingo
- 2 Lunes
- 3 Martes
- 4 Miércoles
- 5 Jueves
- 6 Viernes
- 7 Sábado

- 1 Enero
- 2 Febrero
- 3 Marzo
- 4 Abril
- 5 Mayo
- 6 Junio
- 7 Julio
- 8 Agosto
- 9 Septiembre
- 10 Octubre
- 11 Noviembre
- 12 Diciembre