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

						0.016/05	279.557208	283.11	31.323330	130.143070	281.002347	303.242 181							0.2	.0% 99.00%	29.5500			
Epoca 2014.	1-ene00		245154	14.50									-	0.139471709										
2415018.500		T:	= 1.00																					
Fecha [Dia Juliano	D (dias)			МΘ	Long. Ecl. G	L	Mm	N	E_v	A_e	A_3	Mm'	E_c	A_4	L' V	L	." D(°	Fase		Dia	Exacto de F	ase	
1-1-20 0:00 2	2458849.50	3653.00	4 Miércoles	Enero	1 3,597.01	3880.0273	48225.3061	47688.2039	98.2420	-0.7781	-0.0097	-0.0193	47687.4547	1.3660	-0.0907	48225.8129 0.6003809	9159 48	226.4133 44346.38	29.97	6	66.3860	5.45		1
2-1-20 0:00 2	2458850.50	3654 00	5 Jueves	Enero	2 3,598.00	3881 0458	48238 4825	47701 2689	98 1890	-0.5663	-0.0065	-0.0129	47700 7219	-0.0792	0.0054	48237 8488 0 6409147	7945 48	238 4897 44357 44	₃ 39.13°	6	77.4439	6.35		2
3-1-20 0:00 2			6 Viernes	Enero	3 3,598.99	3882.0644	48251.6589	47714.3338	98.1360	-0.3328	-0.0033	-0.0065	47714.0109	-1.5225	0.1005	48249.9074 0.6578335	EEE7 40	250.5652 44368.50	ns 48.69°	6	88.5008	7.26	C. Creciente	3
4-1-20 0:00 2		3656.00		Enero	4 3,599.97	3883.0830	48264.8353	47714.3336	98.0831	-0.0865	-0.0001	-0.0002	47714.0109	-2.8855	0.1745	48262.0379 0.6502761		262.6882 44379.60	F0 040		99.6052	8.17	S. Grodonio	4
5-1-20 0:00 2			1 Domingo	Enero	5 3 600 96	3884 1016	48278 0117	47740 4638	98.0031	0.1631	0.0031	0.0062	47740.6177	-4.0939	0.1745	48274.2893 0.6178586		274 9071 44390 80			110.8056	9.09		5
6-1-20 0:00 2				Enero	6 3.601.94	3885.1201	48291.1881	47740.4636	97.9772	0.4065	0.0063	0.0062	47740.6177	-5.0822	0.2115	48286.7098 0.5607540		287.2706 44402.15			122.1504	10.02		6
7-1-20 0:00 2			3 Martes	Enero	_														04.54		133.6860	10.97		7
			-		7 3,602.93	3886.1387	48304.3645	47766.5938	97.9242	0.6342	0.0095	0.0189	47767.1996	-5.7972	0.1529	48299.3449 0.4798311		299.8247 44413.68			145.4538	11.93		8
8-1-20 0:00 2			4 Miércoles	Enero	8 3,603.91	3887.1572	48317.5409	47779.6588	97.8713	0.8376	0.0127	0.0253	47780.4584	-6.2016	0.0700	48312.2341 0.3768608		312.6110 44425.45						
9-1-20 0:00 2			5 Jueves	Enero	9 3,604.90	3888.1757		47792.7238	97.8183	1.0087	0.0159	0.0316	47793.6851	-6.2756	-0.0275	48325.4071 0.254768		325.6619 44437.48			157.4862	12.92		9
10-1-20 0:00 2			6 Viernes	Enero	10 3,605.89	3889.1941	48343.8937	47805.7888	97.7654	1.1411	0.0191	0.0379	47806.8730	-6.0179	-0.1189	48338.8790 0.1178760		338.9969 44449.80	00.00		169.8028	13.93	Luna Llena	10
11-1-20 0:00 2		0000.00	7 Sábado	Enero	11 3,606.87	3890.2125	48357.0701	47818.8538	97.7124	1.2297	0.0222	0.0443	47820.0170	-5.4452	-0.1854	48352.6470 -0.02796291	1177 48	352.6190 44462.40			182.4065	14.96		11
12-1-20 0:00 2			1 Domingo	Enero	12 3,607.86	3891.2308	48370.2465	47831.9188	97.6595	1.2710	0.0254	0.0506	47833.1138	-4.5907	-0.2135	48366.6878 -0.1754475	5118 48	366.5124 44475.28			195.2816	16.02		12
13-1-20 0:00 2		3665.00	2 Lunes	Enero	13 3,608.84	3892.2490	48383.4229	47844.9838	97.6065	1.2634	0.0286	0.0569	47846.1617	-3.5018	-0.1980	48380.9579 -0.3162209	9742 48	380.6417 44488.39			208.3927	17.09		13
14-1-20 0:00 2	2458862.50	3666.00	3 Martes	Enero	14 3,609.83	3893.2672	48396.5993	47858.0488	97.5535	1.2073	0.0317	0.0632	47859.1611	-2.2371	-0.1423	48395.3954 -0.4415825	5313 48	394.9538 44501.68	87.349	6	221.6867	18.18		14
15-1-20 0:00 2			4 Miércoles	Enero	15 3,610.81	3894.2852	48409.7757	47871.1138	97.5006	1.1047	0.0349	0.0694	47872.1142	-0.8628	-0.0582	48409.9246 -0.5434275	5101 48	409.3811 44515.09			235.0959	19.28		15
16-1-20 0:00 2	2458864.50	3668.00	5 Jueves	Enero	16 3,611.80	3895.3031	48422.9521	47884.1788	97.4476	0.9597	0.0380	0.0757	47885.0248	0.5508	0.0373	48424.4619 -0.6152272	2954 48	423.8467 44528.54	35 68.29 9	6	248.5435	20.39		16
17-1-20 0:00 2	2458865.50	3669.00	6 Viernes	Enero	17 3,612.78	3896.3210	48436.1285	47897.2437	97.3947	0.7778	0.0411	0.0819	47897.8985	1.9327	0.1252	48438.9230 -0.6528200	0985 48	438.2702 44541.94	92 57.00 9	6	261.9492	21.49	:. Menguante	17
18-1-20 0:00 2	2458866.50	3670.00	7 Sábado	Enero	18 3,613.77	3897.3387	48449.3049	47910.3087	97.3417	0.5659	0.0442	0.0881	47910.7424	3.2146	0.1880	48453.2292 -0.6548240	0095 48	452.5744 44555.23	45.44	6	275.2357	22.58		18
19-1-20 0:00 2	2458867.50	3671.00	1 Domingo	Enero	19 3,614.76	3898.3562	48462.4813	47923.3737	97.2888	0.3324	0.0473	0.0942	47923.5645	4.3339	0.2137	48467.3139 -0.6225928	8585 48	466.6914 44568.33	34.27	6	288.3351	23.65		19
20-1-20 0:00 2	2458868.50	3672.00	2 Lunes	Enero	20 3,615.74	3899.3736	48475.6577	47936.4387	97.2358	0.0860	0.0504	0.1004	47936.3739	5.2363	0.1974	48481.1269 -0.5597670	0883 48	480.5671 44581.19	35 24.10 9	6	301.1935	24.71		20
21-1-20 0:00 2	2458869.50	3673.00	3 Martes	Enero	21 3,616.73	3900.3909	48488.8340	47949.5037	97.1829	-0.1637	0.0535	0.1065	47949.1801	5.8780	0.1422	48494.6370 -0.4715725	5766 48	494.1655 44593.77	15.419	6	313.7746	25.74		21
22-1-20 0:00 2	2458870.50	3674.00	4 Miércoles	Enero	22 3,617.71	3901.4080	48502.0104	47962.5687	97.1299	-0.4071	0.0565	0.1126	47961.9925	6.2273	0.0590	48507.8332 -0.3640569	9812 48	507.4691 44606.06	8.52%	•	326.0611	26.75		22
23-1-20 0:00 2	2458871.50	3675.00	5 Jueves	Enero	23 3,618.70	3902.4249	48515.1868	47975.6337	97.0770	-0.6348	0.0596	0.1186	47974.8207	6.2664	-0.0358	48520.7230 -0.2434254	4608 48	520.4795 44618.05	3.62%	,	338.0546	27.73		23
24-1-20 0:00 2	2458872.50	3676.00	6 Viernes	Enero	24 3,619.68	3903.4417	48528.3632	47988.6987	97.0240	-0.8382	0.0626	0.1246	47987.6733	5.9918	-0.1238	48533.3305 -0.1155707	7594 48	533.2149 44629.77	0.79%	ì	349.7732	28.69	Luna Nueva	24
25-1-20 0:00 2	2458873.50	3677.00	7 Sábado	Enero	25 3,620.67	3904.4582	48541.5396	48001.7637	96.9711	-1.0093	0.0656	0.1306	48000.5582	5.4152	-0.1874	48545.6926 0.01418083	3005 48	545.7068 44641.24	0.01%	Luna Nueva	1.2485	0.10		1
26-1-20 0:00 2	2458874.50	3678.00	1 Domingo	Enero	26 3,621.66	3905.4746	48554.7160	48014.8287	96.9181	-1.1416	0.0686	0.1365	48013.4820	4.5630	-0.2137	48557.8551 0.1411418	8189 48	557.9963 44652.52	1.19%	ì	12.5217	1.03		2
27-1-20 0:00 2	2458875.50	3679.00	2 Lunes	Enero	27 3,622.64	3906.4907	48567.8924	48027.8937	96.8651	-1.2300	0.0715	0.1424	48026.4497	3.4755	-0.1971	48569.8693 0.2612163	3486 48	570.1305 44663.63	98 4.20%	,	23.6398	1.94		3
28-1-20 0:00 2	2458876.50	3680.00	3 Martes	Enero	28 3,623.63	3907.5067	48581.0688	48040.9587	96.8122	-1.2710	0.0745	0.1483	48039.4649	2.2059	-0.1406	48581.7886 0.3707980	0116 48	582.1594 44674.65	8.87%	,	34.6528	2.84		4
29-1-20 0:00 2	2458877.50	3681.00	4 Miércoles	Enero	29 3,624.61	3908.5224	48594.2452	48054.0237	96.7592	-1.2632	0.0774	0.1541	48052.5289	0.8177	-0.0552	48593.6671 0.4666627	7518 48	594.1338 44685.61	15.029	6	45.6114	3.74		5
30-1-20 0:00 2	2458878.50	3682.00	5 Jueves	Enero	30 3,625.60	3909.5378	48607.4216	48067.0886	96.7063	-1.2068	0.0803	0.1599	48065.6417	-0.6182	0.0419	48605.5582 0.5458861	1481 48	606.1041 44696.56	22.45	6	56.5662	4.64		6
31-1-20 0:00 2	2458879.50	3683.00	6 Viernes	Enero	31 3,626.58	3910.5531	48620.5980	48080.1536	96.6533	-1.1039	0.0831	0.1656	48078.8010	-2.0267	0.1306	48617.5148 0.6057964	4386 48	618.1206 44707.56	75 30.929	6	67.5675	5.54		7
1-2-20 0:00 2	2458880.50	3684.00	7 Sábado	Febrero	1 3,627.57	3911.5680	48633.7744	48093.2186	96.6004	-0.9586	0.0860	0.1712	48092.0028	-3.3327	0.1924	48629.5895 0.6439657	7238 48	630.2334 44718.66	₅₄ 40.179	6	78.6654	6.45	C. Creciente	8
2-2-20 0:00 2	2458881.50	3685.00	1 Domingo	Febrero	2 3,628.56	3912.5827	48646.9508	48106.2836	96.5474	-0.7763	0.0888	0.1769	48105.2416	-4.4654	0.2140	48641.8342 0.6582438	8246 48	642.4925 44729.90	97 49.929	6	89.9097	7.38	C. Creciente	9
3-2-20 0:00 2	2458882.50	3686.00	2 Lunes	Febrero	3 3,629.54	3913.5972	48660.1272	48119.3486	96.4945	-0.5642	0.0916	0.1824	48118.5104	-5.3625	0.1906	48654.2995 0.6468489	9877 48	654.9464 44741.34	92 59.84 9	6	101.3492	8.31		10
4-2-20 0:00 2	2458883.50	3687.00	3 Martes	Febrero	4 3,630.53	3914.6113	48673.3036	48132.4136	96.4415	-0.3303	0.0944	0.1879	48131.8010	-5.9740	0.1270	48667.0319 0.6085387	7811 48	667.6404 44753.02	91 69.569	6	113.0291	9.27		11
5-2-20 0:00 2	2458884.50	3688.00	4 Miércoles	Febrero	5 3,631.51	3915.6252	48686.4800	48145.4786	96.3886	-0.0837	0.0971	0.1934	48145.1044	-6.2657	0.0364	48680.0699 0.5428820	0335 48	680.6128 44764.98	76 78.67 9	6	124.9876	10.25		12
6-2-20 0:00 2	2458885.50	3689.00	5 Jueves	Febrero	6 3,632.50	3916.6388	48699.6564	48158.5436	96.3356	0.1661	0.0998	0.1988	48158.4111	-6.2210	-0.0619	48693.4398 0.4506290		693.8904 44777.25			137.2516	11.26		13

Epoca: 1-ene.-10 **2010.0 €**_g **□**_g Luna Nueva Luna Hena Mes Sinódico 93.23% 7-2-20 0:00 2458886 50 3690 no 6 Viernes 12 29 Febrero 7 3,633.48 48707.4844 44789.8323 149.8323 14 48171.7115 48707.1503 0.3341302051 97.74% 8-2-20 0:00 2458887 50 3691 nn 7 Sábado Febrero 8 3 634 47 3018 6650 48726 0002 48184 6736 96 2297 0.6372 0.1052 0.2004 48184 0063 -5 1516 -n 2011 48721 1886 0 1076056784 48721 3863 44802 7213 162.7213 13.35 15 9-2-20 0:00 2458888.50 3692.00 1 Domingo 99.87% Luna Llena 175.8888 14.43 Febrero 9 3 635 45 3010 6776 48730 1856 48107 7386 96 1767 0.8404 0.1078 0.2146 48108 2566 -4 1860 -0.2126 48735 5187 0 04774253208 48735 5664 44815 8888 Luna Llena 99.35% 189.2838 10-2-20 0:00 2458889.50 3693 00 2 Lunes Febrero 10 3,636.44 3920.6899 48752.3620 48210.8036 96.1238 1.0112 0.1104 0.2198 48211.4846 -3.0021 -0.1795 48750.0811 -0.1074177357 48749.9737 44829.2838 11-2-20 0:00 2458890.50 3694.00 3 Martes Febrero 96.08% 202.8371 16.64 3921 7019 48764 5390 44842 8371 48765 5384 48223 8686 96 0708 1.1431 0.1129 0.2249 48224.6738 -1.6622 -0.1091 48764.7973 -0.258226366 12-2-20 0:00 2458891.50 3695 00 4 Miércoles Febrero 12 3,638.41 90.21% 216.4662 17 76 19 96.0179 1.2309 0.1154 0.2299 48237.8191 -0.2393 -0.0163 48779.5746 -0.3948991938 13-2-20 0:00 2458892.50 3696 nn 5 Jueves Febrero 13 3 639 40 82.08% 230 0817 18 87 20 1.2713 48793 8065 44870 0817 14-2-20 0:00 2458893.50 3697.00 6 Viernes 72.24% 243.5948 21 19 98 Fehrero 14 3 640 38 3924 7357 48805 0676 48263 0635 95.9120 1.2627 0.1204 0.2397 48263 9661 2.5544 0.1589 48808 9232 -0 5926170795 48808 3306 44883 5948 15-2-20 0:00 2458894.50 3698.00 7 Sábado 61.31% 256.9248 21.08 Febrero 15 3.641.37 3925.7463 48818.2440 48276.1285 95.8590 1.2055 0.1228 0.2445 48276.9667 3.7817 0.2056 48823.3139 -0.6428634454 48822.6711 44896.9248 22 16-2-20 0:00 2458895.50 3699.00 1 Domingo Febrero 16 3,642.35 3926.7564 50.00% 270.0048 22.15 : Menguante 23 48831.4204 48289.1935 95.8061 1.1017 0.1252 0.2493 48289.9208 4.8118 0.2109 48837.4195 -0.6582559158 48836.7613 44910.0048 17-2-20 0:00 2458896.50 3700.00 2 Lunes 38.93% 282.7869 23.20 17 3.643.34 48850.5531 44922.7869 3927.7662 48302.2585 95.7531 0.9555 0.1275 0.2539 48302.8326 5.5948 0.1739 48851.1934 -0.6403058184 28.68% 18-2-20 0:00 2458897.50 3701 00 3 Martes Febrero 295 2440 24.22 25 48315.7076 48864 0197 44935 2440 19-2-20 0:00 2458898 50 3703 on 4 Miércoles 19.65% Febrero 19 3 645 31 3929 7846 48328.5530 48877.6745 -0.5195257981 48877.1549 44947.3703 307 3703 25 21 26 48328.3885 95.6472 0.5596 0.1321 0.2630 20-2-20 0:00 2458899.50 3703 nn 5 Jueves 12.16% 26.18 27 95.5943 6.1650 319.1792 Febrero 20 3 646 30 3930 7932 48884 1259 48341 4535 0.3252 0.1343 0.2675 48341 3768 -0.0828 48890 3990 -0 4266065046 48889 9724 44959 1792 21-2-20 0:00 2458900.50 3704.00 6 Viernes 6.40% 330.7001 27 13 28 Febrero 21 3 647 28 3931 8014 48897 3023 48354 5185 95 5413 0.0781 0.1365 0.2718 48354 1883 5 7365 -0.1600 48902 8205 -0 3189586652 48902 5015 44970 7001 22-2-20 0:00 2458901.50 3705.00 Febrero 22 3,648.27 2.45% 341.9743 3932.8092 48910.4787 48367.5835 95,4883 -0.1719 0.1387 0.2761 48366,9968 5.0225 -0.2057 48914.9850 -0.2015042642 48914.7835 44981.9743 23-2-20 0:00 2458902.50 3706.00 1 Domingo 0.37% 353.0507 28.96 Febrero 23 3.649.25 Luna Nueva 3933.8166 -0.4153 0.1408 48379.8120 -0.2110 48926.8673 44993.0507 48923.6551 95.4354 0.2803 48926.9461 -0.07874970156 0.12% 24-2-20 0:00 2458903.50 3707 00 2 Lunes Febrero Luna Nueva 3 9827 0.33 24 3.650.24 0.1428 1.66% 25-2-20 0:00 2458904.50 3708 00 3 Martes Fehrero 25 3 651 23 3935 8300 48950 0079 48406 7785 95.3295 -0.8454 0.1449 0.2885 48405 4997 1 5746 -0 1038 48950 4885 0 1665877263 49050 6551 45014 9251 14 8251 1 22 26-2-20 0:00 2458905.50 3709 nn 4 Miércoles 4.92% Febrero 25.6327 2.10 26 3 652 21 3936 8360 48963 1843 48419 8434 95 2765 -1 0154 0 1468 0.2924 48418 3888 0.1768 -0.0120 48962 1869 0 2818576419 48962 4687 45025 6327 27-2-20 0:00 2458906.50 3710.00 5 Jueves 9.79% Febrero 27 3,653.20 3937.8416 48976 3607 48432 9084 95 2236 -1 1462 0.1488 0.2963 48431 3172 -1 2341 0.0824 48973 9140 0 3876114068 48974 3016 45036 4600 36,4600 28-2-20 0:00 2458907.50 3711.00 6 Viernes **28** 3,654.18 16.13% 47.3610 3938 8468 48989 5371 48445 9734 95 1706 -1 2328 0.1507 0.3000 48444 2899 -2 5868 0.1605 48985 7273 0 4805127533 48986 2078 45047 3610 29-2-20 0:00 2458908.50 3712.00 7 Sábado 23.79% 58.3896 -1.2718 0.1525 0.303 48457.3104 -3.811 0.2063 48997.6838 0.5572471013 1-3-20 0:00 2458909.50 3713.00 1 Domingo Marzo 32 57% 69.5990 5.71 42.21% 2-3-20 0:00 2458910.50 3714 00 2 Lunes Marzo 81.0402 6.65 C. Creciente 3-3-20 0:00 2458911.50 3715.00 3 Martes 52.41% 92,7598 Marzo 3 3 658 12 3942 8627 49042 2427 48498 2334 94 9588 -1 0973 0.1578 0.3142 48496 6641 -6 1190 0.0961 49034 9646 0 6578570765 49035 6225 45092 7598 7.61 4-3-20 0:00 2458912.50 3716.00 4 Miércoles Marzo 62.77% 104.7953 49048 6608 45104 7953 4 3 659 11 3943 8655 49055 4191 48511 2984 94 9059 -0.9495 0.1594 0.3175 48509 8719 -6 2886 0.0010 49048 0225 0 6383069367 5-3-20 0:00 2458913.50 3717.00 5 Jueves Marzo **5** 3,660.10 3944.8678 72.83% 117.1712 9.61 49062.0390 45117.1712 49068.5955 48524.3634 94.8529 -0.7650 0.1611 0.3207 48523.1166 -6.1245 -0.0946 49061.4503 0.5887119052 6-3-20 0:00 2458914.50 3718.00 6 Viernes Marzo 82.07% 129.8939 10.66 12 6 3 661 08 3945 8696 49081.7719 0.3239 49075.2547 0.5087993236 49075.7635 45129.8939 48537.4284 94.7999 -0.5509 0.1626 48536.3910 -5.6332 -0.1704 7-3-20 0:00 2458915.50 3719 no 7 Sábado Marzo 89.90% 142.9483 11.73 13 8-3-20 0:00 2458916.50 3720 no 1 Domingo 95.78% Marzo 156.2962 12.82 14 49104.1680 45156.2962 9-3-20 0:00 2458917.50 3721.00 2 Lunes 99.22% 169.8768 13.93 Marzo 9 3 664 04 3048 8721 40121 3011 48576 6234 94 6411 0 1825 0.1671 0 3327 48576 3061 -2 5271 -0.1575 401186310 0.1170202511 40118 7480 45160 8768 Luna Hena 15 99.90% 10-3-20 0:00 2458918.50 3722.00 3 Martes Marzo 10 3,665.02 183,6109 15.06 3949 8719 49134 4775 48589 6883 94 5881 0.4257 0.1684 0.3354 48589 6102 -1 1341 -0.0759 49133 5247 -0 04194076301 49133 4828 45183 6109 11-3-20 0:00 2458919.50 3723.00 4 Miércoles Marzo **11** 3,666.01 97.71% 197.4059 17 3950.8712 49147.6539 48602.7533 94.5352 49148.2771 45197.4059 0.6525 0.1697 0.3380 48602.8981 0.3179 0.0216 49148.4762 -0.1991048725 12-3-20 0:00 2458920.50 3724.00 5 Jueves Marzo 92.78% 211.1641 17.32 18 0.1710 49163.3781 -0.3440402955 49163.0341 45211.1641 49160 8303 48615.8183 94.4822 0.8541 0.3406 48616.1608 1 7503 0.1144 85.48% 13-3-20 0:00 2458921 50 3725 00 6 Viernes Marzo 224.7904 18 44 19 13 3,667.98 48628.8833 1.0226 48629.3907 0.1830 76.35% 14-3-20 0:00 2458922.50 3726 nn 7 Sábado Marzo 14 3 668 97 40187 1831 04 3763 1 1516 0 1734 0.3453 48642 5811 0.2132 40102 0667 45238 2007 238.2007 19.54 20 3053 8660 4 2551 40102 6205 _0 5628603401 15-3-20 0:00 2458923.50 3727.00 1 Domingo 66.01% 251.3276 Marzo 15 3 660 05 3054 8632 40200 3505 48655 0133 04 3234 1 2350 0.1745 0.3476 48655 7271 5 1967 0.1002 40206.8167 -0.625015386 40206 1008 45251 3276 20.62 21 16-3-20 0:00 2458924.50 3728.00 2 Lunes 55.12% :. Menguante Marzo 16 3 670.94 3955.8598 264.1255 21.67 22 49213.5359 48668.0783 94.2704 1.2725 0.1756 0.3497 48668.8254 5.8640 0.1442 49220.6409 -0.6555709292 49219.9853 45264.1255 17-3-20 0:00 2458925.50 3729.00 Marzo 44.28% 276.5716 23 17 3 671 92 3956 8560 49233.4276 45276.5716 49226 7123 48681.1433 94 2175 1.2597 0.1766 0.3517 48681.8746 6.2255 0.0599 49234 0807 -0.6530734948 18-3-20 0:00 2458926.50 3730 00 4 Miércoles Marzo 49246.5174 45288.6658 34.00% 288 6658 23 68 24 18 3,672.91 3957.8516 49239.8887

Epoca:	1-ene10	2010.	0 24551	96.50		۵	εg	 □ g	L o Luna	P o Luna	N o Luna	Año trópico						Luna Nueva Lu	ına Llena Mes Sinódi	-0			
	2458927.50	3731.00	5 Jueves	Marzo	19 3,673.90	3958.8466	49253.0651	48707.2733	94.1115	1.0901	0.1785	0.3555	48707.8294	5.9866	-0.1248	49259.8384 -0.5643216909	49259.2741 45300.4275	24.68%	300.4	275	24.64		25
		3732 00		Marzo	20 3,674.88	3959 8411	49266.2414	48720.3383	94.0586	0.9398	0.1794	0.3572	48720.7415	5.4049	-0.1880	49272.2188 -0.4862983951	49271.7325 45311.8913	16.61%	311.8		25.58		26
	2458929.50		7 Sábado	Marzo	21 3,675.87													10.01%	323.1		26.50		27
	2458930.50					3960.8351	49279.4178	48733.4033	94.0056	0.7530	0.1802	0.3588	48733.6173	4.5527	-0.2138	49284.3297 -0.391621829	49283.9381 45323.1030	5.02%	334.1		27.41		28
				Marzo	22 3,676.85	3961.8285	49292.5942	48746.4683	93.9527	0.5371	0.1809	0.3603	48746.4641	3.4742	-0.1971	49296.2275 -0.2844523739	49295.9431 45334.1146						
	2458931.50		2 Lunes	Marzo	23 3,677.84	3962.8214	49305.7706	48759.5332	93.8997	0.3003	0.1816	0.3617	48759.2902	2.2239	-0.1416	49307.9716 -0.1687127886	49307.8029 45344.9815	1.71%	344.9		28.30		29
	2458932.50		3 Martes	Marzo	24 3,678.82	3963.8137	49318.9470	48772.5982	93.8468	0.0518	0.1823	0.3630	48772.1048	0.8638	-0.0582	49319.6222 -0.048115514	49319.5740 45355.7604		ina Nueva 355.7			Luna Nueva	1
			4 Miércoles	Marzo	25 3,679.81	3964.8054	49332.1234	48785.6632	93.7938	-0.1987	0.1829	0.3642	48784.9175	-0.5391	0.0366	49331.2394 0.07376742776	49331.3131 45366.5077	0.32%		077	0.53		2
26-3-20 0:00	2458934.50	3738.00	5 Jueves	Marzo	26 3,680.79	3965.7966	49345.2998	48798.7282	93.7409	-0.4415	0.1834	0.3652	48797.7381	-1.9159	0.1242	49342.8832 0.1934191843	49343.0766 45377.2800	2.26%	17.2	300	1.42		3
27-3-20 0:00	2458935.50	3739.00	6 Viernes	Marzo	27 3,681.78	3966.7873	49358.4762	48811.7932	93.6879	-0.6672	0.1839	0.3662	48810.5759	-3.1989	0.1874	49354.6137 0.3072907766	49354.9210 45388.1337	5.91%	28.1	337	2.31		4
28-3-20 0:00	2458936.50	3740.00	7 Sábado	Marzo	28 3,682.77	3967.7773	49371.6526	48824.8582	93.6350	-0.8670	0.1843	0.3671	48823.4398	-4.3240	0.2137	49366.4909 0.4117192678	49366.9027 45399.1253	11.21%	39.1	253	3.21		5
29-3-20 0:00	2458937.50	3741.00	1 Domingo	Marzo	29 3,683.75	3968.7668	49384.8290	48837.9232	93.5820	-1.0332	0.1847	0.3678	48836.3375	-5.2341	0.1975	49378.5744 0.5028632441	49379.0773 45410.3105	18.07%	50.3	105	4.13		6
30-3-20 0:00	2458938.50	3742.00	2 Lunes	Marzo	30 3,684.74	3969.7558	49398.0054	48850.9882	93.5291	-1.1593	0.1850	0.3684	48849.2754	-5.8817	0.1417	49390.9211 0.5766803784	49391.4978 45421.7420	26.33%	61.7	420	5.06		7
31-3-20 0:00	2458939.50	3743.00	3 Martes	Marzo	31 3,685.72	3970.7442	49411.1818	48864.0532	93.4761	-1.2404	0.1853	0.3690	48862.2586	-6.2313	0.0571	49403.5820 0.6289881395	49404.2110 45433.4668	35.77%	73.4	568	6.03		8
1-4-20 0:00	2458940.50	3744.00	4 Miércoles	Abril	1 3,686.71	3971.7320	49424.3582	48877.1182	93.4231	-1.2732	0.1855	0.3694	48875.2901	-6.2618	-0.0393	49416.5984 0.6556593788	49417.2540 45445.5220	46.10%	85.5	220	7.02	C. Creciente	9
2-4-20 0:00	2458941.50	3745.00	5 Jueves	Abril	2 3,687.69	3972.7193	49437.5346	48890.1832	93.3702	-1.2566	0.1856	0.3697	48888.3712	-5.9681	-0.1280	49429.9962 0.6529977022	49430.6492 45457.9300	56.90%	97.9	300	8.03		10
3-4-20 0:00	2458942.50	3746.00	6 Viernes	Abril	3 3,688.68	3973.7059	49450.7110	48903.2482	93.3172	-1.1912	0.1858	0.3699	48901.5013	-5.3618	-0.1907	49443.7816 0.6183019966	49444.3999 45470.6939	67.67%	110.6	939	9.08		11
4-4-20 0:00	2458943.50	3747.00	7 Sábado	Abril	4 3,689.67	3974.6921	49463.8874	48916.3132	93.2643	-1.0794	0.1858	0.3700	48914.6780	-4.4716	-0.2140	49457.9366 0.5505618764	49458.4871 45483.7951	77.81%	123.7	951	10.15		12
5-4-20 0:00	2458944.50	3748.00	1 Domingo	Abril	5 3,690.65	3975.6776	49477.0638	48929.3782	93.2113	-0.9257	0.1858	0.3700	48927.8967	-3.3421	-0.1927	49472.4176 0.4511399206	49472.8687 45497.1911	86.68%	137.1	911	11.25		13
6-4-20 0:00	2458945.50	3749.00	2 Lunes	Abril	6 3,691.64	3976.6626	49490.2402	48942.4431	93.1584	-0.7359	0.1857	0.3698	48941.1517	-2.0316	-0.1309	49487.1561 0.3242279021	49487.4803 45510.8177	93.65%	150.8	177	12.37		14
7-4-20 0:00	2458946.50	3750.00	3 Martes	Abril	7 3,692.62	3977.6470	49503.4166	48955.5081	93.1054	-0.5175	0.1856	0.3696	48954.4354	-0.6098	-0.0413	49502.0624 0.1768603033	49502.2392 45524.5922	98.20%	164.5	922	13.50		15
8-4-20 0:00	2458947.50	3751.00	4 Miércoles	Abril	8 3,693.61	3978.6309	49516.5930	48968.5731	93.0525	-0.2790	0.1854	0.3693	48967.7395	0.8469	0.0571	49517.0326 0.01836142443	49517.0509 45538.4200	99.98% Lu	ına Llena 178.4	200	14.64	Luna Llena	16
9-4-20 0:00	2458948.50	3752.00	5 Jueves	Abril	9 3,694.59	3979.6142	49529.7694	48981.6381	92.9995	-0.0295	0.1852	0.3688	48981.0546	2.2592	0.1435	49531.9574 -0.1407226768	49531.8167 45552.2025	98.87%	192.2	025	15.77		17
10-4-20 0:00	2458949.50	3753.00	6 Viernes	Abril	10 3,695.58	3980.5969	49542.9458	48994.7031	92.9466	0.2211	0.1849	0.3682	48994.3710	3.5502	0.1994	49546.7316 -0.2899698854	49546.4416 45565.8447	95.00%	205.8	447	16.89		18
11-4-20 0:00	2458950.50	3754.00	7 Sábado	Abril	11 3,696.56	3981.5791	49556.1222	49007.7681	92.8936	0.4631	0.1846	0.3676	49007.6791	4.6497	0.2131	49561.2635 -0.4203628415	49560.8431 45579.2640	88.71%	219.2	640	17.99		19
12-4-20 0:00	2458951.50	3755.00	1 Domingo	Abril	12 3,697.55	3982.5607	49569.2986	49020.8331	92.8407	0.6871	0.1842	0.3668	49020.9693	5.4985	0.1816	49575.4816 -0.5251945544	49574.9564 45592.3957	80.51%	232.3	957	19.06		20
13-4-20 0:00	2458952.50	3756.00	2 Lunes	Abril	13 3,698.54	3983.5417	49582.4750	49033.8981	92.7877	0.8844	0.1837	0.3659	49034.2329	6.0520	0.1119	49589.3396 -0.6004384411	49588.7391 45605.1974	70.97%	245.1	974	20.11		21
14-4-20 0:00	2458953.50	3757.00	3 Martes	Abril	14 3,699.52	3984.5222	49595.6514	49046.9631	92.7347	1.0473	0.1832	0.3649	49047.4622	6.2824	0.0189	49602.8168 -0.644609679	49602.1721 45617.6499	60.69%	257.6	499	21.13		22
15-4-20 0:00	2458954.50	3758.00	4 Miércoles	Abril	15 3,700.51	3985.5021	49608.8278	49060.0281	92.6818	1.1693	0.1827	0.3638	49060.6509	6.1803	-0.0777	49615.9169 -0.6582827489	49615.2586 45629.7565	50.21%	269.7	565	22.13	: Menguante	23
16-4-20 0:00	2458955.50	3759.00	5 Jueves	Abril	16 3,701.49	3986.4815	49622.0042	49073.0931	92.6288	1.2458	0.1821	0.3626	49073.7943	5.7541	-0.1580	49628.6640 -0.6434753371	49628.0205 45641.5390	40.00%	281.5	390	23.09		24
17-4-20 0:00	2458956.50	3760.00	6 Viernes	Abril	17 3,702.48	3987.4603	49635.1806	49086.1581	92.5759	1.2738	0.1814	0.3613	49086.8892	5.0296	-0.2055	49641.0971 -0.6030723126	49640.4940 45653.0337	30.44%	293.0	337	24.04		25
18-4-20 0:00	2458957.50	3761.00	7 Sábado	Abril	18 3,703.46	3988.4386	49648.3569	49099.2231	92.5229	1.2521	0.1807	0.3598	49099.9346	4.0477	-0.2108	49653.2653 -0.5403873769	49652.7249 45664.2863	21.83%	304.2	863	24.96		26
19-4-20 0:00	2458958.50	3762.00	1 Domingo	Abril	19 3,704.45	3989.4163	49661.5333	49112.2880	92.4700	1.1816	0.1799	0.3583	49112.9314	2.8617	-0.1734	49665.2233 -0.4588861884	49664.7644 45675.3481	14.43%	315.3	481	25.87		27
20-4-20 0:00	2458959.50	3763.00	2 Lunes	Abril	20 3,705.44	3990.3934	49674.7097	49125.3530	92.4170	1.0650	0.1791	0.3567	49125.8823	1.5339	-0.1012	49677.0283 -0.3620470687	49676.6662 45686.2728	8.42%	326.2	728	26.76		28
21-4-20 0:00	2458960.50	3764.00	3 Martes	Abril	21 3,706.42	3991.3700	49687.8861	49138.4180	92.3641	0.9068	0.1782	0.3549	49138.7917	0.1326	-0.0090	49688.7383 -0.2533177717	49688.4850 45697.1150	3.94%	337.1	150	27.65		29
22-4-20 0:00	2458961.50	3765.00	4 Miércoles	Abril	22 3,707.41	3992.3461	49701.0625	49151.4830	92.3111	0.7133	0.1773	0.3531	49151.6660	-1.2716	0.0848	49700.4117 -0.1361309332	49700.2756 45707.9295	1.11%	347.9	295	28.54	Luna Nueva	30
23-4-20 0:00	2458962.50			Abril	23 3,708.39	3993 3216	49714 2389	49164 5480	92 2582	0.4919	0.1763	0.3511	49164 5125	-2 6091	0.1616	49712 1070 -0 01395446714	49712 0930 45718 7714	0.01% Lu	ına Nueva 358.7	714	29.43		1
24-4-20 0:00	2458963.50	3767 00	6 Viernes	Abril	24 3,709.38	3994.2966	49727.4153	49177.6130	92.2052	0.2513	0.1753	0.3490	49177.3400	-3.8143	0.2064	49723.8834 0.1096343357	49723.9930 45729.6964	0.71%	9.6	964	0.80		2
	2458964.50		7 Sábado	Abril	25 3,710.36	3995.2711	49740.5917	49190.6780	92.1523	0.0008	0.1742	0.3469	49190.1578	-4.8285	0.2105	49735.8004 0.2308576263	49736.0313 45740.7602	3.25%	20.7		1.70		3
	2458965.50		1 Domingo	Abril	26 3,711.35	3996.2450	49753.7681	49203.7430	92.0993	-0.2497	0.1742	0.3446	49202.9756	-5.6020	0.1732	49747.9167 0.3456409941	49748.2623 45752.0173	7.61%	32.0		2.63		4
	2458966.50			Abril	27 3,712.34	3997.2184	49766.9445	49203.7430	92.0463	-0.2497	0.1730	0.3446	49202.9756	-6.0965	0.1732	49747.9167 0.3456409941	49740.2023 45752.0173	13.74%	43.5		3.57		5
	2458967.50		3 Martes	Abril	28 3,713.32													21.54%	55.3		4.54		6
20-4-20 0.00	_+000001.00	3//1.00	■ IVIai (82)	AUIII	40 3,713.32	3998.1912	49780.1209	49229.8730	91.9934	-0.7121	0.1706	0.3398	49228.6505	-6.2869	0.0101	49772.9614 0.5377287963	49773.4991 45775.3079	∠ 1.J→ /0	55.3	113	4.04		U

Epoca:	1-ene10	2010.	0 245519	6.50		e	ε _g	 □ g	L o Luna	P o Luna	N o Luna	Año trópico						Luna Nueva	Luna Llena Me	s Sinódico			
29-4-20 0:00	2458968.50	3772.00	4 Miércoles	Abril	29 3 714 31	3999 1636	49793.2973	49242 9380	91 9404	-0 9059	0.1693	0.3372	49241.5255	-6 1618	-0.0838	49785.9764 0.6051249152	49786 5816 45787 4180	30.80%		67.4180	5.53		7
30-4-20 0:00	2458969.50	3773 00	5 Jueves	Abril	30 371529	4000 1354	49806 4737	49256 0030	91 8875	-1 0644	0.1680	0.3345	49254 4360	-5 7253	-0.1612	49799 3548 0 6466813955	49800 0015 45799 8661	41.20%		79.8661	6.55	C. Creciente	8
1-5-20 0:00	2458970.50	3774 00	6 Viernes	Mayo	1 3.716.28	4001 1068	49819.6501	49269 0680	91.8345	-1.1813	0.1666	0.3318	49267.3883	-4 9965	-0.2065	49813.0992 0.6579020133	49813.7571 45812.6503	52.31%		92.6503	7.60		9
	2458971.50		7 Sábado	Mayo	2 3.717.26	4002.0776	49832.8265	49282.1329	91.7816	-1.2520	0.1652	0.3289	49280.3869	-4.0006	-0.2102	49827.1895 0.6355349781	49827 8250 45825 7474	63.57%		105.7474	8.67		10
	2458972.50		1 Domingo	Mayo	3 371825	4002.0770	49846 0029	49295 1979	91.7010	-1 2738	0.1637	0.3259	49293 4345	-2 8124	-0.2102	49841 5818 0 5783390791	49842 1602 45839 1123	74.33%		119.1123	9.77		11
	2458973.50			Mavo	4 3.719.23	4004.0177	49859 1793	49308 2629	91 6757	-1 2458	0.1621	0.3229	49306 5321	-1 4646	-0.0969	49856 2098 0 4877324307	49856 6976 45852 6799	83.90%		132,6799	10.88		12
	2458974.50			Mayo	5 3.720.22	4004.5177	49872 3557	49321 3279	91.6227	-1 1690	0.1605	0.3197	49319 6786	-0.0353	-0.0024	49870 9884 0 3681032841	49871 3565 45866 3695	91.63%		146.3695	12.01		13
	2458975.50		4 Miércoles	Mayo	6 3.721.21	4005.9558	49885.5321	49334.3929	91.5698	-1.0466	0.1589	0.3165	49332.8710	1.4008	0.0929	49885.8204 0.2266139554	49886 0470 45880 0911	97.01%		160.0911	13.13		14
	2458976.50		5 Jueves	Mavo	7 3 722 19	4006 9242	49898 7085	49347 4579	91 5168	-0.8832	0.1572	0.3131	49346 1044	2 7670	0.1691	49900 6042 0 07246588268	49900 6767 45893 7525	99.70%		173.7525	14.25	l una l lena	15
	2458977.50		6 Viernes	Mavo	8 3 723 18	4007 8921	49911 8849	49360 5229	91 4639	-0 6852	0.1555	0.3097	49359 3725	3 9892	0.2099	49915 2433 -0 08423093671	49915 1591 45907 2670	99.60%		187.2670	15.36		16
	2458978.50			Mavo	9 3 724 16	4008 8594	49925 0613	49373 5879	91.4109	-0.4603	0.1537	0.3062	49372 6677	5 0003	0.2064	49929 6538 -0 2337066683	49929 4201 45920 5607	96.82%		200.5607	16.45		17
	2458979.50		1 Domingo	Mayo	10 3.725.15	4009.8264	49938.2377	49386.6529	91.3579	-0.2175	0.1519	0.3025	49385.9809	5.7441	0.1591	49943.7715 -0.367593517	49943.4039 45933.5775	91.66%		213.5775	17.52		18
	2458980.50		2 Lunes	Mavo	11 3 726 13	4010 7928	49951 4141	49399 7179	91 3050	0.0339	0.1501	0.2988	49399 3029	6 1793	0.0781	49957 5553 -0 4795847092	49957 0757 45946 2829	84.55%		226.2829	18.56		19
12-5-20 0:00	2458981.50		3 Martes	Mavo	12 3 727 12	4011 7588	49964 5905	49412 7829	91 2520	0.2840	0.1661	0.2950	49412 6237	6 2820	-0.0196	49970 9887 -0 5656291299	49970 4231 45958 6643	76.00%		238.6643	19.58		20
	2458982.50			Mayo	13 3.728.11	4012.7244	49977 7669	49425 8479	91.1991	0.5230	0.1462	0.2911	49425.9335	6.0470	-0.1130	49984 0776 -0 6237444467	49983 4539 45970 7295	66.50%		250.7295	20.57		21
	2458983.50		5 Jueves	Mayo	14 3.729.09	4013.6895	49990.9433	49438.9129	91.1461	0.7415	0.1442	0.2872	49439.2229	5.4882	-0.1824	49996.8464 -0.653610396	49996.1928 45982.5033	56.52%		262.5033	21.53		22
	2458984.50		6 Viernes	Mayo	15 3,730.08	4014 6541	50004 1197	49451 9779	91 0932	0.9310	0.1442	0.2072	49452 4835	4 6377	-0.2132	50009 3329 -0 6561063106	50008 6768 45994 0227	46.49%		274.0227	22.48	7. Mongaana	23
16-5-20 0:00	2458985.50		7 Sábado	Mavo	16 3 731 06	4015 6184	50017 2961	49465 0428	91 0402	1.0840	0.1401	0.2001	49465 7078	3 5431	-0.1992	50021 5838 -0 632907895	50020.9509 46005.3325	36.78%		285.3325	23.41		24
	2458986.50		1 Domingo	Mayo	17 3.732.05	4016.5822	50030.4725	49478.1078	90.9873	1.1946	0.1380	0.2748	49478.8897	2.2649	-0.1438	50033.6502 -0.5861945042	50033.0640 46016.4818	27.70%		296.4818	24.32		25
	2458987.50		2 Lunes	Mayo	18 3,733.03	4017.5456	50043.6488	49491.1728	90.9343	1.2583	0.1358	0.2705	49492.0249	0.8725	-0.0588	50045.5851 -0.5184679413	50045.0666 46027.5210	19.55%		307.5210	25.23		26
19-5-20 0:00	2458988.50	3792.00	3 Martes	Mayo	19 3.734.02	4018.5085	50056.8252	49504.2378	90.8814	1.2728	0.1336	0.2661	49505.1109	-0.5602	0.0380	50057.4422 -0.4324586694	50057.0097 46038.5012	12.55%		318.5012	26.13		27
20-5-20 0:00	2458989.50	3793.00	4 Miércoles	Mayo	20 3.735.01	4019.4711	50070.0016	49517.3028	90.8284	1.2373	0.1314	0.2616	49518.1472	-1.9586	0.1267	50069.2757 -0.3310927149	50068.9446 46049.4735	6.93%		329.4735	27.03		28
21-5-20 0:00	2458990.50			Mayo	21 3,735.99	4020.4332	50083.1780	49530.3678	90.7755	1.1534	0.1291	0.2571	49531.1350	-3.2516	0.1894	50081.1402 -0.2175022123	50080.9227 46060.4895	2.87%		340.4895	27.93		29
22-5-20 0:00	2458991.50	3795.00	6 Viernes	Mayo	22 3,736.98	4021.3950	50096.3544	49543.4328	90.7225	1.0242	0.1268	0.2525	49544.0778	-4.3746	0.2139	50093.0912 -0.09507305165	50092.9961 46071.6011	0.54%		351.6011	28.84	Luna Nueva	30
23-5-20 0:00	2458992.50	3796.00	7 Sábado	Mayo	23 3,737.96	4022.3564	50109.5308	49556.4978	90.6695	0.8549	0.1244	0.2478	49556.9805	-5.2729	0.1956	50105.1839 0.03247385971	50105.2164 46082.8600	0.06%	Luna Nueva	2.8600	0.23		1
24-5-20 0:00	2458993.50	3797.00	1 Domingo	Mayo	24 3,738.95	4023.3174	50122.7072	49569.5628	90.6166	0.6520	0.1220	0.2430	49569.8497	-5.9037	0.1384	50117.4719 0.1609789791	50117.6329 46094.3155	1.55%		14.3155	1.17		2
25-5-20 0:00	2458994.50	3798.00	2 Lunes	Mayo	25 3,739.93	4024.2780	50135.8836	49582.6278	90.5636	0.4235	0.1196	0.2382	49582.6935	-6.2375	0.0540	50130.0040 0.2857463057	50130.2897 46106.0117	5.06%		26.0117	2.13		3
26-5-20 0:00	2458995.50	3799.00	3 Martes	Mayo	26 3,740.92	4025.2383	50149.0600	49595.6928	90.5107	0.1784	0.1171	0.2333	49595.5208	-6.2594	-0.0410	50142.8209 0.401499772	50143.2224 46117.9841	10.59%		37.9841	3.12		4
27-5-20 0:00	2458996.50	3800.00	4 Miércoles	Mayo	27 3,741.90	4026.1982	50162.2364	49608.7578	90.4577	-0.0737	0.1146	0.2283	49608.3411	-5.9691	-0.1278	50155.9511 0.5024571644	50156.4535 46130.2553	18.03%		50.2553	4.12		5
28-5-20 0:00	2458997.50	3801.00	5 Jueves	Mayo	28 3,742.89	4027.1578	50175.4128	49621.8228	90.4048	-0.3230	0.1121	0.2232	49621.1644	-5.3811	-0.1895	50169.4071 0.5825840096	50169.9897 46142.8320	27.17%		62.8320	5.15		6
29-5-20 0:00	2458998.50	3802.00	6 Viernes	Mayo	29 3,743.88	4028.1170	50188.5892	49634.8877	90.3518	-0.5596	0.1095	0.2181	49634.0005	-4.5236	-0.2139	50183.1826 0.6360637879	50183.8187 46155.7017	37.65%		75.7017	6.21		7
30-5-20 0:00	2458999.50	3803.00	7 Sábado	Mayo	30 3,744.86	4029.0759	50201.7656	49647.9527	90.2989	-0.7742	0.1069	0.2130	49646.8586	-3.4380	-0.1959	50197.2505 0.6579659584	50197.9085 46168.8326	48.98%		88.8326	7.29	C. Creciente	8
31-5-20 0:00	2459000.50	3804.00	1 Domingo	Mayo	31 3,745.85	4030.0344	50214.9420	49661.0177	90.2459	-0.9585	0.1043	0.2077	49659.7472	-2.1769	-0.1390	50211.5634 0.6450180514	50212.2084 46182.1740	60.54%		102.1740	8.38		9
1-6-20 0:00	2459001.50	3805.00	2 Lunes	Junio	1 3,746.83	4030.9927	50228.1184	49674.0827	90.1930	-1.1051	0.1016	0.2024	49672.6736	-0.8019	-0.0541	50226.0556 0.5963165034	50226.6519 46195.6592	71.65%		115.6592	9.49		10
2-6-20 0:00	2459002.50	3806.00	3 Martes	Junio	2 3,747.82	4031.9506	50241.2948	49687.1477	90.1400	-1.2084	0.0990	0.1971	49685.6433	0.6184	0.0419	50240.6478 0.513777599	50241.1615 46209.2110	81.61%		129.2110	10.60		11
3-6-20 0:00	2459003.50	3807.00	4 Miércoles	Junio	3 3,748.80	4032.9082	50254.4712	49700.2127	90.0870	-1.2642	0.0962	0.1916	49698.6607	2.0121	0.1297	50255.2526 0.4021641272	50255.6548 46222.7466	89.80%		142.7466	11.71		12
4-6-20 0:00	2459004.50	3808.00	5 Jueves	Junio	4 3,749.79	4033.8655	50267.6476	49713.2777	90.0341	-1.2703	0.0935	0.1862	49711.7277	3.3071	0.1914	50269.7823 0.268628446	50270.0509 46236.1854	95.74%		156.1854	12.81		13
5-6-20 0:00	2459005.50	3809.00	6 Viernes	Junio	5 3,750.78	4034.8226	50280.8240	49726.3427	89.9811	-1.2266	0.0907	0.1806	49724.8447	4.4346	0.2140	50284.1553 0.1218549991	50284.2772 46249.4546	99.16%		169.4546	13.90	Luna Llena	14
6-6-20 0:00	2459006.50	3810.00	7 Sábado	Junio	6 3,751.76	4035.7794	50294.0004	49739.4077	89.9282	-1.1347	0.0879	0.1751	49738.0100	5.3336	0.1923	50298.3037 -0.02899393429	50298.2747 46262.4953	99.95%	Luna Llena	182.4953	14.97		15
7-6-20 0:00	2459007.50	3811.00	1 Domingo	Junio	7 3,752.75	4036.7359	50307.1768	49752.4727	89.8752	-0.9982	0.0851	0.1694	49751.2199	5.9538	0.1305	50312.1777 -0.175279333	50312.0025 46275.2666	98.24%		195.2666	16.02		16
8-6-20 0:00	2459008.50	3812.00	2 Lunes	Junio	8 3,753.73	4037.6921	50320.3532	49765.5377	89.8223	-0.8225	0.0822	0.1637	49764.4692	6.2593	0.0411	50325.7488 -0.3096282815	50325.4392 46287.7471	94.25%		207.7471	17.04		17

Epoca: 1-ene.-10 **2010.0 ε**_g **□**_g Luna Nueva Luna Llena Mes Sinódico 9-6-20 0:00 2459009 50 3813 00 3 Martes 88.34% 18 04 Junio 9 3 754 72 50338.5834 46299.9353 219.9353 50333.5296 49777.7508 6.2311 -0.0572 50339.0097 -0.4263211931 80.89% 10-6-20 0:00 2459010 50 3814 00 4 Miércoles 231.8472 Junio 10 3 755 70 4039 6039 50346 7060 40701 6677 80 7164 _n 3823 0.0764 0.1522 49791 0567 -0 1435 50351 9724 -0 521343708 50351.4511 46311.8472 19.02 19 5 8687 11-6-20 0:00 2459011.50 3815.00 5 Jueves 72.30% 243.5129 19.98 20 Junio 11 3 756 69 4040 5594 50350 8824 40804 7326 80 6634 -0 1351 0.0735 0.1464 40804 3776 5 1902 -0 1005 50364 6645 -0.50220465 50364 0723 46323 5120 62.96% 12-6-20 0:00 2459012.50 3816.00 6 Viernes Junio 12 3.757.68 4041.5147 254,9723 20.92 21 50373.0588 49817.7976 89.6105 0.1175 0.0706 0.1405 49817.7040 4.2320 -0.2130 50377.1246 -0.6376466215 50376.4869 46334.9723 13-6-20 0:00 2459013.50 3817.00 7 Sábado 13 3 758 66 53.25% 266.2708 21.84 : Menguante 50389 3979 -0 6573540792 4042 4697 50386 2352 49830 8626 89.5575 0.3654 0.0676 0.1346 49831.0258 3 0463 -0 1814 50388 7405 14-6-20 0:00 2459014.50 3818 no 1 Domingo Junio 43.51% 277 4565 22.76 23 14 3,759.65 89.5046 0.5990 0.0646 0.1287 49844.3333 50401.5328 -0.6517193257 15-6-20 0:00 2459015.50 3819 00 2 Lunes Junio 15 3 760 63 34.07% 288 5780 23 67 24 0.1227 -0.6216840529 46368 5780 16-6-20 0:00 2459016 50 3820 nn 3 Martes 25.24% 299.6840 24 58 0.9873 49870.8696 25 .lunio 16 3 761 62 4045 3338 50425 7643 49870 0576 89.3986 0.0586 0.1167 0.0793 50425 5864 -0 5686477515 50425 0178 46379 6840 17-6-20 0:00 2459017.50 3821.00 4 Miércoles 17.31% 310.8227 25.50 Junio 17 3,762,60 4046.2881 50438.9407 49883.1226 89.3457 1.1267 0.0556 0.1106 49884.0831 -2.566 0.1594 50437.6052 -0.494427458 50437.1108 46390.8227 26 18-6-20 0:00 2459018.50 3822.00 **5** Jueves Junio 18 3,763.59 4047.2422 10.58% 322.0426 26.42 27 50452.1171 49896.1876 89.2927 1.2218 0.0525 0.1045 49897.2524 -3.8067 0.2062 50449.6860 -0.4012596376 50449.2848 46402.0426 19-6-20 0:00 2459019.50 3823.00 6 Viernes 5.30% 333.3916 27.35 50461.8797 -0.2918438629 50461.5879 46413.3916 4048,1962 49909.2526 89.2398 1.2689 0.0494 0.0984 49910.3737 -4.8436 0.2102 1.72% 20-6-20 0:00 2459020.50 3824 nn 7 Sábado 344 9162 28.29 29 Junio 50474.0663 46424.9162 21-6-20 0:00 2459021 50 3935 on 1 Domingo 0.09% Junio 21 3 766 55 4050 1037 50486.8001 -0.03793647967 50486.7621 46436.6584 Luna Nueva 356 6584 29.26 Luna Nueva 50491.6463 49935.3826 89.1339 1.2136 0.0432 49936.4668 0.0974 22-6-20 0:00 2459022.50 3826 nn 2 Lunes 0.57% 0.71 49948 4476 8.6524 Junio 22 3 767 53 4051 0573 50504 8227 89 0809 1 1133 0.0401 0.0799 49949 4408 -6 2883 0.0042 50499 6118 0 09792200576 50499 7097 46448 6524 23-6-20 0:00 2459023.50 3827.00 3 Martes 3.30% 20.9210 1 72 Junio 23 3,768.52 4052.0107 50517 9991 49961 5126 89 0280 0.9692 0.0370 0.0737 49962 3711 -6 1426 -0.0896 50512 6992 0 2325685317 50512 9318 46460 9210 24-6-20 0:00 2459024.50 3828.00 4 Miércoles Junio 24 3.769.50 8.29% 33.4719 4052.9640 50531.1755 49974.5776 88.9750 0.7870 0.0339 0.0674 49975.2633 -5.6871 -0.1652 50526.0763 0.3596173265 50526.4360 46473.4719 25-6-20 0:00 2459025.50 3829.00 5 Jueves 15.45% 46.2950 Junio 3.80 4053.9173 0.5738 0.0307 50539.7401 0.4721254485 50540.2123 46486.2950 49987.6425 88.9221 0.0611 49988.1245 -4.9471 -0.2079 24.52% 26-6-20 0:00 2459026.50 3830 00 6 Viernes Junio 59 3615 4.87 0.3381 0.0275 35.07% 50570.7047 50013.7725 27-6-20 0:00 2459027.50 3831 00 7 Sábado lunio 27 3 772 46 4055 8234 88.8162 0.0891 0.0244 50013 7887 -2 7776 50567 8222 0 6260763174 50568 4483 46512 6249 72 6249 5 96 28-6-20 0:00 2459028.50 3832 nn 1 Domingo 46.53% 86.0236 7.06 C. Creciente Junio 28 3 773 45 4056 7764 50583 8811 50026 8375 88 7632 -0 1635 0.0212 0.0422 50026 6106 -1 4562 -0.0964 50582 1438 0 6561493939 50582 7999 46526 0236 29-6-20 0:00 2459029.50 3833.00 2 Lunes 58.24% 8 16 Junio 29 3,774.43 4057.7293 50597 0575 50039 9025 88 7102 -0 4096 0.0180 0.0359 50039 4390 -0.0616 -0.0042 50596 5641 0 6504893524 50597 2146 46539 4853 99.4853 30-6-20 0:00 2459030.50 3834.00 3 Martes Junio 30 3,775.42 69.48% 112.9332 4058 6821 50610 2339 50052 9675 88 6573 -0.6396 0.0148 0.0296 50052 2835 1 3379 0.0890 50611 0064 0 6089599166 50611 6153 46552 9332 1-7-20 0:00 2459031.50 3835.00 4 Miércoles 79.59% 126.2911 Julio 10.36 11 0.0117 0.0232 50065.1532 0.1647 50625.3918 0.5342130963 2-7-20 0:00 2459032.50 3836 no 5 lueves Iulio 88 01% 139.4901 11.44 12 94.34% 3-7-20 0:00 2459033.50 3837 00 6 Viernes 152,4734 Julio 3 3 778.37 4061.5404 12.51 13 50653.7065 0.307367077 4-7-20 0:00 2459034.50 3838.00 7 Sábado 98.34% 165.2003 Julio 4 3 779 36 4062 4932 50662 9395 50105 2275 88 4455 -1 2342 0.0021 0.0041 50103 9870 5 6515 0 1687 50667 5234 0 1700450505 50667 6934 46605 2003 13.55 14 5-7-20 0:00 2459035.50 3839.00 1 Domingo Julio 99.96% 177.6479 14.57 Luna Llena 5 3.780.34 4063.4459 50681 0938 46617 6479 50676 1159 50118 2925 88 3925 -1 2722 -0.0011 -0.0022 50117 0236 6 1280 0.0937 50681 0665 0 0273306315 6-7-20 0:00 2459036.50 3840.00 2 Lunes 6 3,781.33 4064.3986 99.27% 189.8121 15.57 50694.2108 46629.8121 50689.2923 50131.3575 88.3396 -1.2601 -0.0043 -0.0086 50130.1102 6.2886 -0.0008 50694.3242 -0.1134708728 7-7-20 0:00 2459037.50 3841.00 3 Martes Julio 96.45% 201.7061 16.55 17 7 3,782.32 4065.3513 -0.0075 -0.0150 50707.3035 -0.2460939267 50707.0574 46641.7061 50702.4687 50144.4225 88.2866 -1.1985 50143.2464 6.1213 -0.0955 91.76% 8-7-20 0:00 2459038.50 3842 nn 4 Miércoles Julio 213.3572 17.50 18 9-7-20 0:00 2459039.50 3843 nn 5 lueves 85.48% Julio 224.8040 18.44 19 -0.0139 -0.0277 -0.2103 50732.0609 10-7-20 0:00 2459040.50 3844.00 6 Viernes 77.89% 236.0917 19.37 Julio 10 3 785 27 4068 2007 50741 0070 50183 6174 88 1278 -0 7495 -0.0171 -n n34n 50182 0100 3 7017 -n 2050 50744 8512 _0 5498426903 50744 3014 46676 0917 20 69.32% 11-7-20 0:00 2459041.50 3845.00 7 Sábado Julio 11 3,786.26 247.2692 20.28 21 4069 1626 50755 1743 50196 6824 88 0748 -0.5315 -0.0203 -0.0403 50196 2115 2 5366 -0.1580 50757 0416 -0 609843113 50756 4318 46687 2692 12-7-20 0:00 2459042.50 3846.00 1 Domingo Julio **12** 3,787.24 4070.1155 50768.3507 50209.7474 88.0218 60.07% 258.3865 21 20 22 50769.1483 -0.6462769217 50768.5020 46698.3865 -0.2926 -0.0234 -0.0467 50209.5249 1.1433 -0.0765 13-7-20 0:00 2459043.50 3847.00 2 Lunes Julio 50.44% 269.4933 22.11 : Menguante 23 4071 0686 50781 5271 50781.2201 -0.6582976972 50780 5618 46709 4933 50222.8124 87 9689 -0.0421 -0.0266 -0.0530 50222.8498 -0.3127 0.0213 40.77% 14-7-20 0:00 2459044 50 3848 no 3 Martes Julio. 280.6385 23.02 24 50794.7035 0.2100 -0.0298 -0.0593 0.1145 50793.3057 -0.6455745255 31.37% 15-7-20 0:00 2459045.50 3849 nn 4 Miércoles Julio 15 3 700 20 4072 0740 50807 8798 0.4538 -u ussa -n ness 50249 4946 0.1834 50805.4538 _0.6082823862 50804 8455 46731 8707 291.8707 23.94 25 50248 0424 87 8630 -3.006 16-7-20 0:00 2459046.50 3850.00 5 Jueves 22.59% 303.2378 24.87 Julio 16 3 701 10 4073 0281 50821 0562 50262 0074 87 8100 0.6797 -0.0360 -0.0718 50262 7050 -4 2723 0.2134 50817 7131 _0 5471333000 50817 1659 46743 2378 26 14.78% 17-7-20 0:00 2459047.50 3851.00 6 Viernes Julio 17 3.792.17 4074.8815 314.7863 25.82 27 50834.2326 50275.0724 87.7571 0.8790 -0.0392 -0.0780 50276.0686 -5.2177 0.1982 50830.1313 -0.4634544992 50829.6679 46754.7863 18-7-20 0:00 2459048.50 3852.00 Julio 8.28% 326.5592 4075 8351 46766 5592 50288 1374 87 7041 1.0437 -0.0423 -0.0842 50289.3075 -5.8829 0.1415 50842 7535 -0 3593210014 50842 3942 19-7-20 0:00 2459049.50 3853 no 1 Domingo Julio 3.45% 338 5921 27 77 29 -6.2349 50855.3808 46778.5921

Epoca:	1-ene10	2010.	0 245519	96.50		e	εg	 □ g	L o Luna	P _o Luna	N o Luna	Año trópico						Luna Nueva	Luna Llena Me	es Sinódico			
20-7-20 0:00	2459050.50	3854.00	2 Lunes	Julio	20 3.795.13	4077.7425	50873.7618	50314.2674	87.5982	1.2450	-0.0485	-0.0966	50315.6574	-6.2580	-0.0420	50868.7554 -0.1028346919	50868.6525 46790.9100	0.63%		350.9100	28.78	Luna Nueva	30
21-7-20 0:00	2459051.50		3 Martes	Julio	21 3.796.12	4078.6964	50886.9382	50327.3323	87.5453	1.2738	-0.0516	-0.1027	50328.7604	-5.9545	-0.1303	50882:1787 0.03998529483	50882.2187 46803.5223	0.09%	Luna Nueva	3.5223	0.29		1
			4 Miércoles	Julio	22 3.797.10	4079.6505	50900.1146	50340.3973	87.4923	1.2524	-0.0546	-0.1088	50341.8132	-5.3439	-0.1917	50895.8861 0.1840525069	50896.0702 46816.4196	2.04%		16.4196	1.35		2
23-7-20 0:00	2459053.50	3857 00	5 Jueves	Julio	23 3 798 09	4080 6048	50913.2910	50353.4623	87.4394	1 1819	-0.0577	-0.1149	50354 8168	-4 4609	-0.2140	50909 8557 0 3216685104	50910 1774 46829 5726	6.51%		29.5726	2.43		3
	2459054.50	3858 00	6 Viernes	Julio	24 3.799.07	4081 5592	50926 4674	50366 5273	87 3864	1.0649	-0.0607	-0.1209	50367 7738	-3 3535	-0.1931	50924 0464 0 4446329103	50924 4911 46842 9319	13.39%		42.9319	3.52		4
25-7-20 0:00		3859.00	7 Sábado	Julio	25 3,800.06	4082.5138	50939.6438	50379.5923	87.3334	0.9060	-0.0637	-0.1269	50380.6889	-2.0796	-0.1336	50938.4003 0.5450252253	50938.9454 46856.4315	22.35%		56.4315	4.63		5
26-7-20 0:00	2459056.50		1 Domingo	Julio	26 3,801.04	4083.4686	50952.8202	50392.6573	87.2805	0.7115	-0.0667	-0.1329	50393.5684	-0.7044	-0.0476	50952.8464 0.6161179149	50953.4625 46869.9938	32.89%		69.9938	5.74		6
27-7-20 0:00			2 Lunes	Julio	27 3,802.03	4084.4237	50965.9966	50405.7223	87.2275	0.4891	-0.0697	-0.1388	50406.4198	0.7031	0.0476	50967.3061 0.653227113	50967.9593 46883.5356	44.37%		83.5356	6.85	C. Creciente	7
28-7-20 0:00	2459058.50	3862.00	3 Martes	Julio	28 3,803.01	4085.3789	50979.1730	50418.7873	87.1746	0.2474	-0.0726	-0.1447	50419.2520	2.0735	0.1332	50981.6998 0.6542980913	50982.3541 46896.9752	56.07%		96.9752	7.95		8
	2459059.50	3863.00	4 Miércoles	Julio	29 3,804.00	4086.3343	50992.3494	50431.8523	87.1216	-0.0040	-0.0756	-0.1505	50432.0744	3.3394	0.1926	50995.9530 0.6200845289	50996.5731 46910.2387	67.30%		110.2387	9.04		9
30-7-20 0:00	2459060.50		5 Jueves	Julio	30 3,804.99	4087.2900	51005.5258	50444.9173	87.0687	-0.2552	-0.0785	-0.1563	50444.8969	4.4387	0.2140	51010.0018 0.5538932355	51010.5557 46923.2657	77.43%		123.2657	10.11		10
31-7-20 0:00	2459061.50	3865.00	6 Viernes	Julio	31 3,805.97	4088.2459	51018.7022	50457.9823	87.0157	-0.4963	-0.0814	-0.1620	50457.7293	5.3172	0.1932	51023.7977 0.4609842372	51024.2587 46936.0127	85.97%		136.0127	11.16		11
1-8-20 0:00	2459062.50	3866.00	7 Sábado	Agosto	1 3,806.96	4089.2021	51031.8786	50471.0473	86.9628	-0.7180	-0.0842	-0.1677	50470.5812	5.9309	0.1342	51037.3099 0.3477948193	51037.6577 46948.4556	92.61%		148.4556	12.18		12
2-8-20 0:00	2459063.50	3867.00	1 Domingo	Agosto	2 3,807.94	4090.1585	51045.0550	50484.1123	86.9098	-0.9114	-0.0871	-0.1734	50483.4613	6.2477	0.0484	51050.5267 0.2211717156	51050.7479 46960.5894	97.16%		160.5894	13.17		13
3-8-20 0:00	2459064.50	3868.00	2 Lunes	Agosto	3 3,808.93	4091.1152	51058.2314	50497.1773	86.8569	-1.0690	-0.0899	-0.1790	50496.3771	6.2497	-0.0472	51063.4547 0.08775404039	51063.5424 46972.4272	99.56%		172.4272	14.14	Luna Llena	14
4-8-20 0:00	2459065.50	3869.00	3 Martes	Agosto	4 3,809.91	4092.0722	51071.4078	50510.2422	86.8039	-1.1847	-0.0927	-0.1845	50509.3347	5.9339	-0.1337	51076.1160 -0.04642259677	51076.0696 46983.9974	99.88%	Luna Llena	183.9974	15.09		15
5-8-20 0:00	2459066.50	3870.00	4 Miércoles	Agosto	5 3,810.90	4093.0294	51084.5842	50523.3072	86.7510	-1.2538	-0.0954	-0.1900	50522.3389	5.3132	-0.1934	51088.5456 -0.1761021906	51088.3695 46995.3401	98.22%		195.3401	16.02		16
6-8-20 0:00	2459067.50	3871.00	5 Jueves	Agosto	6 3,811.89	4093.9870	51097.7606	50536.3722	86.6980	-1.2736	-0.0981	-0.1954	50535.3922	4.4162	-0.2140	51100.7873 -0.2968158744	51100.4905 47006.5035	94.75%		206.5035	16.94		17
7-8-20 0:00	2459068.50	3872.00	6 Viernes	Agosto	7 3,812.87	4094.9448	51110.9370	50549.4372	86.6450	-1.2435	-0.1008	-0.2008	50548.4954	3.2862	-0.1907	51112.8899 -0.4047923314	51112.4851 47017.5403	89.65%		217.5403	17.84		18
8-8-20 0:00	2459069.50	3873.00	7 Sábado	Agosto	8 3,813.86	4095.9029	51124.1134	50562.5022	86.5921	-1.1645	-0.1035	-0.2061	50561.6474	1.9801	-0.1279	51124.9045 -0.4968372473	51124.4077 47028.5047	83.13%		228.5047	18.74		19
9-8-20 0:00	2459070.50	3874.00	1 Domingo	Agosto	9 3,814.84	4096.8614	51137.2898	50575.5672	86.5391	-1.0398	-0.1062	-0.2114	50574.8449	0.5650	-0.0383	51136.8828 -0.5702276252	51136.3126 47039.4512	75.41%		239.4512	19.64		20
10-8-20 0:00	2459071.50	3875.00	2 Lunes	Agosto	10 3,815.83	4097.8202	51150.4662	50588.6322	86.4862	-0.8743	-0.1088	-0.2166	50588.0832	-0.8842	0.0596	51148.8759 -0.622643119	51148.2533 47050.4331	66.75%		250.4331	20.54		21
11-8-20 0:00	2459072.50	3876.00	3 Martes	Agosto	11 3,816.81	4098.7793	51163.6426	50601.6972	86.4332	-0.6745	-0.1113	-0.2217	50601.3557	-2.2900	0.1452	51160.9345 -0.6521392359	51160.2824 47061.5031	57.39%		261.5031	21.45	: Menguante	22
12-8-20 0:00	2459073.50	3877.00	4 Miércoles	Agosto	12 3,817.80	4099.7388	51176.8190	50614.7622	86.3803	-0.4482	-0.1139	-0.2268	50614.6546	-3.5759	0.2002	51173.1089 -0.6571615318	51172.4517 47072.7130	47.63%		272.7130	22.37		23
13-8-20 0:00	2459074.50	3878.00	5 Jueves	Agosto	13 3,818.79	4100.6986	51189.9954	50627.8272	86.3273	-0.2044	-0.1164	-0.2318	50627.9709	-4.6712	0.2129	51185.4490 -0.6366051451	51184.8124 47084.1138	37.81%		284.1138	23.31		24
14-8-20 0:00	2459075.50	3879.00	6 Viernes	Agosto	14 3,819.77	4101.6587	51203.1717	50640.8922	86.2744	0.0474	-0.1189	-0.2367	50641.2952	-5.5158	0.1803	51198.0026 -0.5899335746	51197.4126 47095.7539	28.27%		295.7539	24.26		25
15-8-20 0:00	2459076.50	3880.00	7 Sábado	Agosto	15 3,820.76	4102.6192	51216.3481	50653.9572	86.2214	0.2974	-0.1213	-0.2416	50654.6174	-6.0633	0.1095	51210.8130 -0.5173739872	51210.2956 47107.6764	19.44%		307.6764	25.24		26
16-8-20 0:00	2459077.50	3881.00	1 Domingo	Agosto	16 3,821.74	4103.5801	51229.5245	50667.0222	86.1685	0.5357	-0.1237	-0.2463	50667.9279	-6.2845	0.0155	51223.9149 -0.4201933488	51223.4947 47119.9146	11.75%		319.9146	26.24		27
17-8-20 0:00	2459078.50	3882.00	2 Lunes	Agosto	17 3,822.73	4104.5414	51242.7009	50680.0871	86.1155	0.7529	-0.1261	-0.2511	50681.2172	-6.1685	-0.0817	51237.3298 -0.301025881	51237.0288 47132.4874	5.65%		332.4874	27.27		28
18-8-20 0:00	2459079.50	3883.00	3 Martes	Agosto	18 3,823.71	4105.5030	51255.8773	50693.1521	86.0626	0.9407	-0.1284	-0.2557	50694.4769	-5.7234	-0.1614	51251.0616 -0.1641740892	51250.8974 47145.3943	1.62%		345.3943	28.33		29
19-8-20 0:00	2459080.50	3884.00	4 Miércoles	Agosto	19 3,824.70	4106.4651	51269.0537	50706.2171	86.0096	1.0915	-0.1307	-0.2603	50707.6996	-4.9757	-0.2071	51265.0931 -0.01576192605	51265.0773 47158.6123	0.01%	Luna Nueva	358.6123	29.42	Luna Nueva	1
20-8-20 0:00	2459081.50	3885.00	5 Jueves	Agosto	20 3,825.68	4107.4275	51282.2301	50719.2821	85.9566	1.1995	-0.1329	-0.2647	50720.8793	-3.9678	-0.2095	51279.3852 0.1363930043	51279.5216 47172.0941	1.11%		12.0941	0.99		2
21-8-20 0:00	2459082.50	3886.00	6 Viernes	Agosto	21 3,826.67	4108.3904	51295.4065	50732.3471	85.9037	1.2605	-0.1352	-0.2691	50734.0119	-2.7556	-0.1686	51293.8780 0.2832775866	51294.1613 47185.7709	4.97%		25.7709	2.11		3
22-8-20 0:00	2459083.50	3887.00	7 Sábado	Agosto	22 3,827.66	4109.3536	51308.5829	50745.4121	85.8507	1.2721	-0.1373	-0.2735	50747.0950	-1.4045	-0.0932	51308.4947 0.415540051	51308.9102 47199.5566	11.45%		39.5566	3.24		4
23-8-20 0:00	2459084.50	3888.00	1 Domingo	Agosto	23 3,828.64	4110.3173	51321.7593	50758.4771	85.7978	1.2338	-0.1395	-0.2777	50760.1281	0.0141	0.0010	51323.1476 0.5245662486	51323.6722 47213.3549	20.16%		53.3549	4.38		5
24-8-20 0:00	2.00000.00	3889.00	2 Lunes	Agosto	24 3,829.63	4111.2814	51334.9357	50771.5421	85.7448	1.1472	-0.1416	-0.2819	50773.1128	1.4267	0.0946	51337.7458 0.6035371914	51338.3493 47227.0679	30.52%		67.0679	5.50		6
25-8-20 0:00	2459086.50	3890.00	3 Martes	Agosto	25 3,830.61	4112.2459	51348.1121	50784.6071	85.6919	1.0157	-0.1436	-0.2860	50786.0524	2.7619	0.1689	51352.2022 0.6482114696	51352.8504 47240.6045	41.84%		80.6045	6.61	C. Creciente	7
26-8-20 0:00	2459087.50	3891.00	4 Miércoles	Agosto	26 3,831.60	4113.2109	51361.2885	50797.6721	85.6389	0.8444	-0.1456	-0.2900	50798.9520	3.9535	0.2092	51366.4412 0.6572540335	51367.0985 47253.8875	53.39%		93.8875	7.70		8
27-8-20 0:00	2459088.50	3892.00	5 Jueves	Agosto	27 3,832.58	4114.1763	51374.4649	50810.7371	85.5860	0.6400	-0.1476	-0.2939	50811.8185	4.9432	0.2080	51380.4037 0.632073631	51381.0357 47266.8594	64.50%		106.8594	8.77		9
28-8-20 0:00	2459089.50	3893.00	6 Viernes	Agosto	28 3,833.57	4115.1422	51387.6413	50823.8021	85.5330	0.4106	-0.1495	-0.2977	50824.6599	5.6835	0.1656	51394.0505 0.5762722167	51394.6268 47279.4846	74.61%		119.4846	9.80		10
29-8-20 0:00	2459090.50	3894.00	7 Sábado	Agosto	29 3,834.56	4116.1085	51400.8177	50836.8671	85.4801	0.1651	-0.1514	-0.3014	50837.4850	6.1392	0.0905	51407.3639 0.4948951123	51407.8588 47291.7503	83.29%		131.7503	10.81		11

2455196.50 Epoca: 1-ene.-10 **2010.0 €**_g **□**_g Luna Nueva Luna Llena Mes Sinódico 30-8-20 0:00 2459091 50 3895 on 1 Domingo 90.28% 11 78 Agosto 30 3,835.54 51420.7404 47303.6652 143.6652 12 50850.3036 51420.3468 0.3936793892 95.41% 31-8-20 0:00 2459092 50 3896 on 2 Lunes Agosto 31 3 836 53 4118 0425 51427 1705 50862 9970 85 3742 _n 3353 -0.1550 _n 3086 50863 1254 6 1243 51433 0100 0 2784457116 51433 2083 47315 2558 155,2558 12 74 13 -0.0947 1-9-20 0:00 2459093.50 3897.00 3 Martes 98.63% 166.5630 13.66 Septiembre 1 3 837 51 4110 0103 51440 3460 50876 0620 85 3212 -0.5706 -0.1567 -0.3121 50875 0602 5 6541 -0.1685 51445.4186 0.1547000522 51445 5733 47326 5630 99.96% 2-9-20 0:00 2459094.50 3898.00 4 Miércoles Septiembre 2 3.838.50 4119.9785 177.6378 14.57 Luna Llena 51453.5233 50889.1270 85.2682 -0.7836 -0.1584 -0.3155 50888.8173 4.8998 -0.2090 51457.5888 0.02744829724 51457.6162 47337.6378 3-9-20 0:00 2459095.50 3899.00 Septiembre 3 3 839 48 99.45% 188.5367 15.47 51469 4839 47348 5367 4120 9471 50902 1920 85.2153 -0.9660 -0.1601 -0.3187 50901 7049 3 8971 -0.2082 51469 5827 -0 09884325106 4-9-20 0:00 2459096.50 3900 00 6 Viernes Sentiembre 97.18% 199.3194 16.35 17 50915.2570 85.1623 -0.1617 -0.3219 50914.6301 51481.4559 -0.2201741081 5-9-20 0:00 2459097.50 3901 00 7 Sábado Sentiembre 5 3 841 46 93.28% 210 0459 17 23 18 -0.1632 51492 9319 47370 0459 6-9-20 0:00 2459098 50 3902 on 1 Domingo 87.86% 220.7756 18 11 19 Sentiembre 6 3 842 44 4123 8561 51506 2289 50941 3870 85.0564 -1.2654 -0.1647 -0.3280 50940.6144 -0.0674 51505 0654 -0 4336952207 51504 6317 47380 7756 7-9-20 0:00 2459099.50 3903.00 2 Lunes 81.08% 231.5668 Septiembre 7 3.843.43 4124.8268 51519.4053 85.0035 -1.2696 -0.1662 -0.3309 50953,6795 -1.4872 0.0983 51516.9130 -0.5193564836 51516.3936 47391.5668 19.00 20 8-9-20 0:00 2459100.50 3904.00 3 Martes Septiembre 8 3,844.41 4125.7980 73.10% 242.4776 21 51532.5817 50967.5170 84.9505 -1.2242 -0.1676 -0.3337 50966.7940 -2.8348 0.1722 51528.8624 -0.5868853327 51528.2755 47402.4776 9-9-20 0:00 2459101.50 3905.00 4 Miércoles 64.15% 253.5650 20.80 Septiembre 9 3.845.40 51540.3347 47413.5650 4126,7697 50980.5820 84.8976 -1.1310 -0.1689 -0.3364 50979.9563 -4.0386 0.2107 51540.9681 -0.6334231824 54.46% 264.8852 21.73 % Menguante 10-9-20 0:00 2459102.50 3906.00 5 Jueves 23 Septiembre 10 3,846.38 -0.1702 51552.6271 47424.8852 44.35% 11-9-20 0:00 2459103 50 2007 on 6 Viernes Sentiembre 11 3 847 37 4128 7146 51565.2057 47436.4911 276 4911 22 68 24 51572.1109 51006.7120 84.7917 -0.8175 -0.1715 51006.4075 -5.7630 51565.8589 -0.6531889878 12-9-20 0:00 2459104.50 3908 nn 7 Sábado 34.19% 23.66 25 Septiembre 84.7387 12 3 848 35 4129 6878 51585 2872 51019 7770 -0 6094 -0 1727 -0.3439 51019 6842 -6 1869 0.0754 51578 7390 -0 6222430469 51578 1168 47448 4290 288.4290 13-9-20 0:00 2459105.50 3909.00 1 Domingo 24.45% 300.7336 24 67 Septiembre 13 3 849 34 4130 6616 51598 4636 51032 8419 84 6858 -0.3775 -0 1739 -0.3462 51032 9845 -6 2801 -0.0223 51591 9577 -0 5625135603 51591 3952 47460 7336 14-9-20 0:00 2459106.50 3910.00 2 Lunes Septiembre 14 3,850.33 4131.6359 15.63% 313.4227 25.71 27 51611.6400 51045.9069 84.6328 -0.1309 -0.1750 -0.3484 51046,2994 -6.0359 -0.1153 51605.5329 -0.4743621565 51605.0586 47473.4227 15-9-20 0:00 2459107.50 3911.00 3 Martes 8.31% 326.4918 28 Septiembre 15 3.851.31 26.78 4132.6107 0.1208 -0.1760 51619.4624 -0.3599631929 51619.1025 47486.4918 51624.8164 51058.9719 84.5798 -0.3505 51059.6192 -0.1839 3.04% 16-9-20 0:00 2459108.50 3912 00 4 Miércoles Septiembre 339 9102 27.88 29 16 3.852.30 -0.1770 -0.3525 51072.9341 0.31% 17-9-20 0:00 2459109.50 3913 00 5 Jueves Septiembre 17 3,853.28 4134.5620 51651 1692 51085 1019 84 4739 0.6003 -0.1779 -0.3544 51086.2345 -3 4952 51648 2545 -0 0723231098 51648 1822 47513 6202 353 6202 29.01 Luna Nueva 30 18-9-20 0:00 2459110.50 3914 00 6 Viernes 0.43% Septiembre 7.5394 0.62 31 18 3 854 27 4135 5384 51664 3456 51098 1669 84 4210 0.8094 -0 1788 -0.3561 51099 5113 -2 2012 -0 1403 51662 9924 0 08540103195 51663 0778 47527 5394 19-9-20 0:00 2459111.50 3915.00 7 Sábado 3.50% 1 77 Septiembre 19 3 855 25 4136 5154 51677 5220 51111 2319 84 3680 0.9869 -0 1797 -0.3578 51112 7563 -0 7929 -0.0535 51677 8422 0 2394149408 51678 0816 47541 5662 21.5662 20-9-20 0:00 2459112.50 3916.00 1 Domingo Septiembre 20 3,856.24 4137.4929 9.34% 35.5890 2.92 33 51690 6984 51124 2969 84 3151 1 1260 -0 1805 -0.3594 51125 9627 0.6533 0.0442 51692 7024 0 3795537318 51693 0819 47555 5890 21-9-20 0:00 2459113.50 3917.00 2 Lunes 17.52% 49.4957 34 21 3.857.23 4138.4710 51703.8748 51137.3619 1.2211 -0.1812 51139.1250 0.1325 51707.4699 0.4968170761 51707.9668 47569.4957 22 3.858.21 22-9-20 0:00 2459114.50 3918 nn 3 Martes Septiembre 27.44% 63.1843 5.18 35 38.39% 23-9-20 0:00 2459115.50 3919 00 4 Miércoles Septiembre 23 3.859.20 4140.4289 76.5707 6.28 36 -0.1825 51165.3045 51736.9996 47596.5707 49.65% 24-9-20 0:00 2459116.50 3920 00 5 Jueves Septiembre 24 3 860 18 4141 4086 51743 4040 51176 5569 84 1033 1 2154 -0 1831 -0.3646 51178 3199 5 3516 0.1913 51750 3453 0 6581866395 51751 0035 47609 5949 89.5949 7.35 C. Creciente 37 25-9-20 0:00 2459117.50 3921.00 6 Viernes Septiembre **25** 3,861.17 4142.3889 60.59% 102.2230 51764 6119 47622 2230 51756 5804 51189 6219 84 0503 1 1167 -0 1836 -0.3656 51191 2878 5 9562 0.1301 51763 9670 0 6449050375 26-9-20 0:00 2459118.50 3922.00 7 Sábado Septiembre **26** 3,862.15 4143.3698 70.69% 114.4473 9.39 39 51769.7568 51202.6868 83.9974 0.9746 -0.1841 -0.3665 51204.2121 6.2565 0.0429 51777.2150 0.6021084096 51777.8171 47634.4473 27-9-20 0:00 2459119.50 3923.00 1 Domingo 79.59% 126.2832 10.36 40 Septiembre 27 3 863 14 4144.3512 51782.9332 -0.3674 51790.1001 0.5342665629 51790.6344 47646.2832 51215.7518 83.9444 0.7946 -0.1845 51217.0982 6.2404 -0.0525 87.02% 28-9-20 0:00 2459120.50 3924 nn 2 Lunes Septiembre 28 3.864.12 51803.0981 47657.7648 137.7648 11.30 41 29-9-20 0:00 2459121.50 3925 nn 3 Martes 92.83% Septiembre 29 3 865 11 51815.2560 47668.9402 148.9402 12.22 42 83.8385 51242.7855 51814.9130 30-9-20 0:00 2459122.50 3926.00 4 Miércoles 96.94% 159.8662 13.11 Septiembre 30 3 866 10 4147 2080 51822 4624 51254 9468 83 7855 0.1026 -0 1854 -n 360· 51255 6030 -0.2140 51826 0360 N 2200655543 51827 1651 47679 8662 43 99.33% 13.99 1-10-20 0:00 2459123.50 3927.00 5 Jueves Octubre 170.6043 Luna Llena 1 3 867 08 4148 2826 51835 6388 51268 0118 83 7326 -0 1486 -0 1856 -0.3695 51268 4182 3 2934 -0 1910 51838 7782 0 1087009532 51838 8869 47690 6043 2-10-20 0:00 2459124.50 3928.00 6 Viernes Octubre **2** 3,868.07 4149.2669 51848.8152 51281.0768 83.6796 99.99% 181.2181 14 87 51850.4849 47701.2181 -0.3941 -0.1857 -0.3698 51281.2382 2.0226 -0.1303 51850.4991 -0.01415654131 3-10-20 0:00 2459125.50 3929.00 7 Sábado Octubre 51862.0227 47711.7711 98.95% 191.7711 15.73 46 51861 9916 51294 1418 51862.1586 -0.1358216024 83.6267 -0.6242 -0.1858 -0.3699 51294.0734 -0.0440 96.25% 4-10-20 0:00 2459126 50 3930 00 1 Domingo Octubre 202.3262 16.60 47 51875.1680 51307.2068 83.5737 -0.8299 -0.1858 51306.9326 0.0513 51873.8161 -0.2527587525 51873.5633 47722.3262 5-10-20 0:00 2459127.50 3931 nn 2 Lunes 91.96% Octubre 5 3 871 02 4152 2230 51888.3444 51320 2718 83.5208 -1 0034 -0.1858 51310 8240 -2 1327 51885 5306 _0 3614042164 51885 1601 47732 0461 212.9461 17.47 48 _n 3600 0.1365 6-10-20 0:00 2459128.50 3932.00 3 Martes 86.15% 223,6928 Octubre 6 3 872 01 4153 2005 51901 5208 51333 3368 83 4678 -1 1370 -0 1857 -n 3608 51332 7543 -3.4024 0.1947 51807 3600 _0 4585430201 51896 9024 47743 6928 18.35 49 78.94% 7-10-20 0:00 2459129.50 3933.00 4 Miércoles Octubre 234.6286 7 3.873.00 4154.1966 51914.6972 51346.4018 83.4149 -1.2282 -0.1855 -0.3695 51345,7286 -4.5029 0.2139 51909.3656 -0.5403588969 51908.8252 47754.6286 8-10-20 0:00 2459130.50 3934.00 Octubre 70.48% 245.8142 8 3 873 98 4155 1843 51920.9985 47765.8142 51927 8736 51359 4668 83.3619 -1.2707 -0.1854 -0.3691 51358.7506 -5.3762 0.1898 51921 6018 -0 6033223543 9-10-20 0:00 2459131.50 3935 00 6 Viernes Octubre 51933.4796 47777.3071 60.99% 257.3071 21.11 52 9 3,874.97 4156.1725

Epoca: 1-ene10	1-ene10 2010.0 2455196.50				εg	⊡ _g	L o Luna	P o Luna	N o Luna	Año trónico							Luna Nueva	Luna Llena M	es Sinódico				
10-10-20 0:00 2459132.50		7 Sábado	Octubre	10 3,875.95	4157.1613	51954.2264	51385.5967	83.2560	-1.2078	-0.1848	-0.3680	51384.9417	-6.2641	0.0376	51946.9768 -0.65829658	9 51946.3185	47789.1572	50.74%		269.1572	22.08	. Menguante	53
11-10-20 0:00 2459133.50		1 Domingo	Octubre	11 3,876.94	4158 1506	51967.4028	51398.6617	83.2030	-1.1050	-0.1844	-0.3673	51398.1085	-6.2257	-0.0598	51960.1967 -0.64380423			40.12%		281.4023	23.08	g	54
12-10-20 0:00 2459134.50	3938.00	2 Lunes	Octubre	12 3,877.92	4159.1405	51980.5791	51411.7267	83.1501	-0.9592	-0.1840	-0.3665	51411.3180	-5.8583	-0.1450	51973.8007 -0.59826207			29.61%		294.0619	24.12		55
13-10-20 0:00 2459135.50		3 Martes	Octubre	13 3,878.91	4160.1310		51424.7917	83.0971	-0.7763	-0.1836	-0.3655	51424.5646	-5.1786	-0.2000	51987.7843 -0.52119028		47827.1321	19.82%		307.1321	25.19		56
14-10-20 0:00 2459136.50		4 Miércoles	Octubre	14 3,879.90	4161.1220	52006.9319	51437.8567	83.0442	-0.5632	-0.1830	-0.3645	51437.8411	-4.2208	-0.2129	52002.1180 -0.41431734			11.37%		320.5817	26.30		57
15-10-20 0:00 2459137.50		5 Jueves	Octubre	15 3,880.88	4162.1136	52020.1083	51450.9217	82.9912	-0.3283	-0.1825	-0.3633	51451.1393	-3.0354	-0.1809	52016.7462 -0.28202946			4.93%		334.3506	27.43		58
16-10-20 0:00 2459138.50		6 Viernes	Octubre	16 3,881.87	4163.1057	52033.2847	51463.9867	82.9383	-0.0806	-0.1818	-0.3621	51464.4500	-1.6858	-0.1105	52031.5896 -0.13142619			1.03%		348.3524	28.58	Luna Nueva	59
17-10-20 0:00 2459139.50		7 Sábado	Octubre	17 3,882.85	4164.0984		51477.0517	82.8853	0.1701	-0.1811	-0.3607	51477.7637	-0.2454	-0.0167	52046.5503 0.02816206			0.05%	Luna Nueva	2.4800	0.20		1
18-10-20 0:00 2459140.50	3944 00	1 Domingo	Octubre	18 3,883.84	4165.0917	52059.6375	51490.1167	82.8324	0.4142	-0.1804	-0.3593	51491.0706	1.2075	0.0807	52061.5203 0.18618100			2.09%		16.6148	1.36		2
19-10-20 0:00 2459141.50		2 Lunes	Octubre	19 3,884.82	4166.0855	52072.8139	51503.1817	82.7794	0.6422	-0.1796	-0.3577	51504.3612	2.5940	0.1608	52076.3906 0.33218103			6.98%		30.6373	2.51		3
20-10-20 0:00 2459142.50			Octubre	20 3,885.81	4167.0798		51516.2467	82.7265	0.8453	-0.1788	-0.3560	51517.6268	3.8393	0.2070	52091.0607 0.45713527		47924.4380	14.30%		44.4380	3.65		4
21-10-20 0:00 2459143.50		4 Miércoles	Octubre	21 3,886.79	4168.0747	52099.1667	51529.3117	82.6735	1.0157	-0.1779	-0.3542	51530.8594	4.8774	0.2095	52105.4472 0.55441619			23.45%		57.9269	4.75		5
22-10-20 0:00 2459144.50	3948 00	5 Jueves	Octubre	22 3,887.78	4169.0702	52112.3431	51542.3767	82.6205	1.1466	-0.1769	-0.3523	51544.0525	5.6547	0.1684	52119.4897 0.62023182			33.75%		71.0398	5.83		6
23-10-20 0:00 2459145.50		6 Viernes	Octubre	23 3,888.77	4170.0661	52125.5195	51555.4416	82.5676	1.2331	-0.1759	-0.3503	51557.2010	6.1323	0.0925	52133.1534 0.65351452			44.55%		83,7408	6.87	C. Creciente	7
24-10-20 0:00 2459146.50			Octubre	24 3,889.75	4171.0626	52138.6959	51568.5066	82.5146	1.2719	-0.1749	-0.3482	51570.3016	6.2885	-0.0023	52146.4289 0.65541480		47976.0217	55.25%		96.0217	7.88		8
25-10-20 0:00 2459147.50	3951 00	1 Domingo	Octubre	25 3,890.74	4172.0597		51581.5716	82.4617	1.2613	-0.1738	-0.3460	51583.3528	6.1186	-0.0962	52159.3298 0.62862095			65.37%		107.8988	8.85		9
26-10-20 0:00 2459148.50		2 Lunes	Octubre	26 3,891.72	4173.0573	52165.0487	51594.6366	82.4087	1.2020	-0.1726	-0.3437	51596.3549	5.6350	-0.1703	52171.8880 0.57670246			74.55%		119.4074	9.79		10
27-10-20 0:00 2459149.50		3 Martes	Octubre	27 3,892.71	4174.0554	52178.2251	51607.7016	82.3558	1.0961	-0.1714	-0.3413	51609.3104	4.8656	-0.2098	52184.1484 0.50359905			82.54%		130.5967	10.71		11
28-10-20 0:00 2459150.50	3954.00	4 Miércoles	Octubre	28 3,893.69	4175.0540	52191.4015	51620.7666	82.3028	0.9478	-0.1701	-0.3388	51622.2233	3.8523	-0.2072	52196.1645 0.41329430			89.14%		141.5238	11.61		12
29-10-20 0:00 2459151.50		5 Jueves	Octubre	29 3,894.68	4176.0531	52204.5779	51633.8316	82.2499	0.7628	-0.1688	-0.3362	51635.0994	2.6478	-0.1635	52207.9938 0.30965441	1 52208.3035	48032.2504	94.25%		152.2504	12.49		13
30-10-20 0:00 2459152.50	3956.00	6 Viernes	Octubre	30 3,895.67	4177.0528	52217.7543	51646.8966	82.1969	0.5483	-0.1675	-0.3335	51647.9459	1.3133	-0.0874	52219.6959 0.19638527	9 52219.8923	48042.8395	97.77%		162.8395	13.36		14
31-10-20 0:00 2459153.50	3957.00	7 Sábado	Octubre	31 3,896.65	4178.0529	52230.9307	51659.9616	82.1440	0.3126	-0.1661	-0.3307	51660.7710	-0.0846	0.0058	52231.3305 0.077060143	18 52231.4076	48053.3546	99.66%		173.3546	14.22	Luna Llena	15
1-11-20 0:00 2459154.50	3958.00	1 Domingo	Noviembre	1 3,897.64	4179.0536	52244.1071	51673.0266	82.0910	0.0649	-0.1646	-0.3278	51673.5838	-1.4770	0.0977	52242.9573 -0.044816709	3 52242.9125	48063.8589	99.89%	Luna Llena	183.8589	15.08		16
2-11-20 0:00 2459155.50	3959.00	2 Lunes	Noviembre	2 3,898.62	4180.0548	52257.2835	51686.0916	82.0381	-0.1853	-0.1631	-0.3248	51686.3941	-2.7956	0.1704	52254.6361 -0.16572966	6 52254.4704	48074.4156	98.43%		194.4156	15.95		17
3-11-20 0:00 2459156.50	3960.00	3 Martes	Noviembre	3 3,899.61	4181.0564	52270.4599	51699.1566	81.9851	-0.4284	-0.1615	-0.3217	51699.2114	-3.9755	0.2096	52266.4271 -0.28206364	18 52266.1451	48085.0886	95.28%		205.0886	16.82		18
4-11-20 0:00 2459157.50	3961.00	4 Miércoles	Noviembre	4 3,900.59	4182.0586	52283.6363	51712.2216	81.9321	-0.6548	-0.1599	-0.3185	51712.0451	-4.9585	0.2076	52278.3904 -0.3900165	7 52278.0004	48095.9418	90.48%		215.9418	17.71		19
5-11-20 0:00 2459158.50	3962.00	5 Jueves	Noviembre	5 3,901.58	4183.0613	52296.8127	51725.2865	81.8792	-0.8560	-0.1583	-0.3152	51724.9041	-5.6949	0.1644	52290.5844 -0.48552944	2 52290.0989	48107.0376	84.08%		227.0376	18.62		20
6-11-20 0:00 2459159.50	3963.00	6 Viernes	Noviembre	6 3,902.57	4184.0644	52309.9891	51738.3515	81.8262	-1.0240	-0.1566	-0.3118	51737.7959	-6.1465	0.0884	52303.0636 -0.56426852	6 52302.4993	48118.4349	76.17%		238.4349	19.56		21
7-11-20 0:00 2459160.50	3964.00	7 Sábado	Noviembre	7 3,903.55	4185.0680	52323.1655	51751.4165	81.7733	-1.1525	-0.1548	-0.3084	51750.7273	-6.2881	-0.0054	52315.8743 -0.62170685	3 52315.2526	48130.1846	66.95%		250.1846	20.52		22
8-11-20 0:00 2459161.50	3965.00	1 Domingo	Noviembre	8 3,904.54	4186.0721	52336.3419	51764.4815	81.7203	-1.2364	-0.1531	-0.3048	51763.7030	-6.1096	-0.0985	52329.0504 -0.65336276	8 52328.3971	48142.3250	56.68%		262.3250	21.52	:. Menguante	23
9-11-20 0:00 2459162.50	3966.00	2 Lunes	Noviembre	9 3,905.52	4187.0766	52349.5183	51777.5465	81.6674	-1.2725	-0.1512	-0.3011	51776.7264	-5.6168	-0.1719	52342.6083 -0.65523437	14 52341.9530	48154.8764	45.75%		274.8764	22.55		24
10-11-20 0:00 2459163.50	3967.00	3 Martes	Noviembre	10 3,906.51	4188.0816	52362.6946	51790.6115	81.6144	-1.2595	-0.1493	-0.2974	51789.7987	-4.8315	-0.2105	52356.5425 -0.62442415	7 52355.9180	48167.8364	34.68%		287.8364	23.61		25
11-11-20 0:00 2459164.50	3968.00	4 Miércoles	Noviembre	11 3,907.49	4189.0871	52375.8710	51803.6765	81.5615	-1.1979	-0.1474	-0.2936	51802.9196	-3.7916	-0.2059	52370.8231 -0.55987171	6 52370.2632	48181.1761	24.12%		301.1761	24.71		26
12-11-20 0:00 2459165.50	3969.00	5 Jueves	Noviembre	12 3,908.48	4190.0930	52389.0474	51816.7415	81.5085	-1.0900	-0.1455	-0.2896	51816.0866	-2.5491	-0.1586	52385.3951 -0.46302738	1 52384.9321	48194.8391	14.74%		314.8391	25.83		27
13-11-20 0:00 2459166.50	3970.00	6 Viernes	Noviembre	13 3,909.46	4191.0994	52402.2238	51829.8065	81.4556	-0.9401	-0.1434	-0.2856	51829.2955	-1.1681	-0.0781	52400.1810 -0.33824528	1 52399.8428	48208.7434	7.26%		328.7434	26.97		28
14-11-20 0:00 2459167.50	3971.00	7 Sábado	Noviembre	14 3,910.45	4192.1062	52415.4002	51842.8715	81.4026	-0.7539	-0.1414	-0.2816	51842.5406	0.2788	0.0190	52415.0855 -0.19269590	7 52414.8928	48222.7866	2.24%		342.7866	28.12		29
15-11-20 0:00 2459168.50	3972.00	1 Domingo	Noviembre	15 3,911.44	4193.1134	52428.5766	51855.9365	81.3497	-0.5386	-0.1393	-0.2774	51855.8146	1.7138	0.1122	52430.0034 -0.035715123	55 52429.9677	48236.8543	0.08%	Luna Nueva	356.8543	29.27	Luna Nueva	1
16-11-20 0:00 2459169.50	3973.00	2 Lunes	Noviembre	16 3,912.42	4194.1211	52441.7530	51869.0015	81.2967	-0.3025	-0.1372	-0.2731	51869.1092	3.0593	0.1819	52444.8288 0.12231216	9 52444.9511	48250.8301	0.89%		10.8301	0.89		2
17-11-20 0:00 2459170.50	3974.00	3 Martes	Noviembre	17 3,913.41	4195.1291	52454.9294	51882.0665	81.2437	-0.0548	-0.1350	-0.2688	51882.4154	4.2417	0.2131	52459.4644 0.27126919	7 52459.7357	48264.6065	4.54%		24.6065	2.02		3
18-11-20 0:00 2459171.50	3975.00	4 Miércoles	Noviembre	18 3,914.39	4196.1376	52468.1058	51895.1314	81.1908	0.1950	-0.1328	-0.2644	51895.7236	5.1965	0.1992	52473.8292 0.40249207	13 52474.2317	48278.0941	10.65%		38.0941	3.12		4
19-11-20 0:00 2459172.50	3976.00	5 Jueves	Noviembre	19 3,915.38	4197.1465	52481.2822	51908.1964	81.1378	0.4373	-0.1305	-0.2599	51909.0241	5.8719	0.1431	52487.8649 0.50955305	52488.3745	48291.2280	18.69%		51.2280	4.20		5

1-ene.-10 **2010.0** 2455196.50 **□**_g Luna Nueva Luna Llena Mes Sinódico 20-11-20 0:00 2459173 50 3977 00 6 Viernes 28.06% 5 25 Noviembre 20 3,916.36 63.9710 51922.3076 6.2320 52501.5383 0.5885316403 52502.1268 48303.9710 38.17% 21-11-20 0:00 2459174 50 3978 no 7 Sábado Noviembre 21 3 017 35 4100 1655 52507 6350 81 0310 0.8625 -0 1250 -n 2507 51035 5655 6 2500 -n n413 52514.8410 0.6378336575 52515.4789 48316.3134 76.3134 6.26 51034 3264 22-11-20 0:00 2459175.50 3979.00 1 Domingo 48.49% 88.2691 Noviembre 22 3 918 34 4200 1755 52520 8114 51947 3914 80 9790 1 0200 -0 1235 -0.2460 51048 7800 5 0535 -0.1305 52527 7869 0 6577280201 52528 4446 48328 2601 7.24 C. Creciente 23-11-20 0:00 2459176.50 3980.00 2 Lunes 58.57% Noviembre 23 3.919.32 4201.1859 99.8709 52533.9878 51960.4564 80.9260 1.1559 -0.1211 -0.2412 51961.9746 5.3345 -0.1923 52540.4071 0.6497929151 52541.0569 48339.8709 24-11-20 0:00 2459177.50 3981.00 Noviembre 24 3 920 31 68.05% 111.1646 80.8731 0.6164172309 52553 3613 4202 1967 52547 1642 51973.5214 1.2383 -0.1187 -0.2363 51975.1146 4.4378 -0.2140 52552 7449 48351 1646 25-11-20 0:00 2459178.50 3982 no 4 Miércoles Noviembre **25** 3,921.29 76.65% 122 2037 10.02 11 80.8201 1.2729 -0.1162 -0.2314 51988.2068 3.3132 52564.8512 0.5604313314 26-11-20 0:00 2459179.50 3983 nn 5 Jueves Noviembre 26 3 922 28 84.13% 133 0457 10.91 12 48373 0457 27-11-20 0:00 2459180 50 3984 nn 6 Viernes 90.32% 143.7496 11 79 13 Noviembre 27 3 923 26 4205 2313 52586 6934 52012.7164 80.7142 1 1955 -0.1111 -0.2213 52014.2443 0.6307 -0.0427 52588 5880 0.3928944423 52588 9809 48383 7496 28-11-20 0:00 2459181.50 3985.00 7 Sábado 95.08% 154.3748 Noviembre 28 3.924.25 4206.2435 52025.7814 80.6613 1.0865 -0.1086 -0.2162 52027.1926 -0.7874 0.0532 52600.3307 0.2876794575 52600.6183 48394.3748 12.66 29-11-20 0:00 2459182.50 3986.00 1 Domingo Noviembre 29 3,925.24 4207.2560 98.29% 164.9814 52613.0462 52038.8464 80.6083 0.9357 -0.1059 -0.2110 52040.0990 -2.1610 0.1381 52612.0649 0.1725008062 52612.2374 48404.9814 30-11-20 0:00 2459183.50 3987.00 2 Lunes 99.85% Luna Llena 175.6298 14.41 30 3.926.22 52623.8987 48415.6298 Luna Llena 4208.2689 52626.2226 52051.9114 80.5553 0.7489 -0.1033 -0.2057 52052.9692 -3.4222 0.1954 52623.8480 0.05074411011 99.69% 1-12-20 0:00 2459184.50 3988.00 3 Martes 186 3814 15.29 Diciembre 52635.6635 48426.3814 17 97.74% 2-12-20 0:00 2459185 50 2000 on 4 Miércoles Diciembre 2 3 928 19 4210 2956 52647.5932 48437.2976 197 2976 16 18 18 52652.5754 52078.0413 0.2970 -0.0979 52078.6313 52647.7911 -0.1979056866 3-12-20 0:00 2459186.50 3990 no 5 Jueves 93.97% Diciembre 52665.7518 52091.1063 17.10 19 3 3 929 18 4211 3093 80 3965 0.0494 -0.0952 -0 1896 52091 4405 -5 9616 0 1291 52660 0639 -0 3166812219 52659 7473 48448 4379 208.4379 4-12-20 0:00 2459187.50 3991.00 6 Viernes 88.38% 219.8572 18.03 Diciembre 4 3 930 16 4212 3234 52678 9282 52104 1713 80 3435 -0.2001 -0 0924 -0 1841 52104 2477 -6 2569 0.0427 52672 6062 -0 4256311694 52672 1806 48459 8572 20 5-12-20 0:00 2459188.50 3992.00 Diciembre 81.06% 231.6018 21 **5** 3,931.15 4213.3378 52692.1046 52117.2363 80.2906 -0.4419 -0.0897 -0.1785 52117.0626 -6.2409 -0.0522 52685.4592 -0.5196053319 52684.9396 48471.6018 6-12-20 0:00 2459189.50 3993.00 1 Domingo 72.15% 243.7053 19.99 Diciembre 6 3.932.13 4214.3524 22 52698.0577 48483.7053 52705.2810 52130.3013 80.2376 -0.6667 -0.0868 -0.1729 52129.8944 -5.9133 -0.1370 52698.6509 -0.5931714642 7-12-20 0:00 2459190.50 3994 00 2 Lunes Diciembre 61.94% 256 1838 21.01 23 -0.0840 -0.1673 52142.7518 50.84% 52731.6338 52156.4313 8-12-20 0:00 2459191.50 3995 00 3 Martes Diciembre 8 3 934 11 4216 3824 80.1317 -1 0315 -0.0811 -0 1616 52155.6425 -0 2139 52726 0728 -0 6582903901 52725 4145 48509 0321 269 0321 22.07 : Menguante 24 9-12-20 0:00 2459192.50 3996 no 4 Miércoles 39.42% Diciembre 282.2218 23.15 25 9 3 935 09 4217 3978 52744 8101 52169 4963 80 0788 -1 1576 -0.0783 -0 1558 52168 5728 -3 2790 -0 1904 52740 2614 -0 6417786105 52739 6196 48522 2218 10-12-20 0:00 2459193.50 3997.00 5 Jueves 28.32% 24 26 Diciembre 10 3.936.08 4218.4135 52757.9865 52182.5613 80.0258 -1 2391 -0.0753 -0 1500 52181 5475 -1 9905 -0 1285 52754 7038 -0 5902062152 52754 1136 48535 7001 295.7001 11-12-20 0:00 2459194.50 3998.00 6 Viernes Diciembre **11** 3,937.06 4219.4293 18.27% 309.3926 25.38 27 52771 1629 52195 6263 79 9729 -1 2730 -0.0724 -0 1442 52194 5699 -0.5951 -0.0403 52769 3269 -0 5050423543 52768 8219 48549 3926 12-12-20 0:00 2459195.50 3999.00 7 Sábado 9.96% 323.2074 Diciembre 12 3.938.05 4220.4454 26.51 28 79.9199 -1.2579 -0.0695 -0.1383 52207.6412 52784.0435 -0.3906651474 52783.6528 48563.2074 13-12-20 0:00 2459196.50 4000.00 1 Domingo Diciembre 13 3,939,03 3.96% 337.0430 27.65 20 0.64% 14-12-20 0:00 2459197.50 4001 00 2 Lunes Diciembre 14 3,940.02 4222.4782 350.7964 28.78 Luna Nueva 30 52813.2746 48590.7964 0.15% 15-12-20 0:00 2459198.50 4002 00 3 Martes Diciembre 15 3 941 01 4223 4949 52823 8685 52247 8862 79 7610 -0.9338 -0.0605 -0 1204 52247 1334 4 6092 0.2134 52827 8178 0 04962101648 52827 8674 48604 3725 Luna Nueva 4.3725 0.36 16-12-20 0:00 2459199.50 4003.00 4 Miércoles Diciembre 2.36% 17.6923 **16** 3,941.99 4224.5118 52842 2041 48617 6923 52837 0449 52260 9512 79 7081 -0.7467 -0.0574 -0 1144 52260 3764 5 4666 0.1839 52842 0062 0 1978936444 17-12-20 0:00 2459200.50 4004.00 5 Jueves Diciembre **17** 3,942.98 4225.5288 7.01% 30.6986 2.52 52850.2213 52274.0162 79.6551 -0.5309 -0.0544 -0.1083 52273.6480 6.0342 0.1156 52855.8946 0.3327833447 52856.2274 48630.6986 18-12-20 0:00 2459201.50 4005.00 6 Viernes Diciembre 13.65% 43.3589 3.56 18 3,943.96 52869.9050 48643.3589 4226.5460 52863.3977 52287.0812 79.6022 -0.2947 -0.0513 -0.1022 52286.9400 6.2796 0.0228 52869.4568 0.448208842 19-12-20 0:00 2459202.50 4006 no 7 Sábado Diciembre 19 3,944,95 21.80% 55.6653 4.57 20-12-20 0:00 2459203.50 4007.00 1 Domingo 30.97% Diciembre 20 3 945 93 67.6311 5.55 0.2021 48667 6311 40.71% 21-12-20 0:00 2459204.50 4008 00 2 Lunes Diciembre 21 3 946 92 4229 5986 52002 0260 52326 2762 70 4433 0.4436 -n n421 _n ns37 52326 8456 5.0325 -n 2054 52008 2307 0 6454057122 52008 8851 48670 2865 79.2865 6.50 C. Creciente 50.59% 22-12-20 0:00 2459205.50 4009.00 3 Martes Diciembre 22 3 947 91 4230 6164 90.6734 7.44 52916 1033 52339 3412 79 3904 0.6681 -0.0389 -0.0775 52340 1258 4 0316 -0.2106 52920 6314 0 6582999772 52921 2897 48690 6734 23-12-20 0:00 2459206.50 4010.00 4 Miércoles Diciembre **23** 3,948.89 4231.6343 52929.2797 52352.4062 79.3374 60.26% 101.8402 52932.8287 0.6457751985 52933.4745 48701.8402 0.8669 -0.0358 -0.0713 52353.3802 2.8177 -0.1714 24-12-20 0:00 2459207.50 4011.00 5 Jueves Diciembre 24 3 949 88 52945.4913 48712.8390 69.41% 112.8390 9 26 10 4232 6523 52944.8819 0.6093719332 52942 4561 52365 4712 79.2845 1 0324 -0.0327 -0.0650 52366.6013 1 4572 -0.0965 77.76% 25-12-20 0:00 2459208 50 4012 00 6 Viernes Diciembre **25** 3,950.86 123.7230 10 15 11 52955.6325 52378.5362 79.2315 1.1582 -0.0295 -0.0588 52379.7826 0.0239 -0.0016 52956.8424 0.5510179614 52957.3934 48723.7230 26-12-20 0:00 2459209.50 4013 00 7 Sábado 85.07% Diciembre 26 3 951 85 79,1785 1 2304 -0.0263 -0.0525 52302 0104 0.0033 52068 7610 0 4720557410 52969.2349 48734.5463 134.5463 11.04 12 4234 6886 52068 8080 52301 6012 -1.4080 27-12-20 0:00 2459210.50 4014.00 1 Domingo 91.14% Diciembre 27 3 952 83 4235 7069 52081 0853 52404 6662 70 1256 1 2730 -n n232 -0.0462 52406 0085 -2 7576 0.1687 52080 6026 0 3777107863 52081 0703 48745 3634 145.3634 11.92 13 28-12-20 0:00 2459211.50 4015.00 2 Lunes Diciembre 28 3,953.82 4236.7252 95.76% 156,2300 12.82 52995.1617 52417.7311 79.0726 1.2577 -0.0200 -0.0398 52419.0487 -3.9617 0.2094 52992.6871 0.2681548184 52992.9553 48756.2300 29-12-20 0:00 2459212.50 4016.00 53004.7983 0.1474732342 98.76% 167.2021 4237 7436 53008 3381 52430.7961 79.0197 1.1941 -0.0168 -0.0335 52432.0405 -4.9582 0.2076 53004 9458 48767 2021 30-12-20 0:00 2459213.50 4017 00 4 Miércoles Diciembre 30 3,955.79 4238.7621 99.98% 178 3351 14.63 Luna Llena 16 53017.0972 48778.3351 Luna Hena

Luna Nueva Luna Llena Mes Sinódico

- 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