

CYCLES vs Mean Year/Mean Lunation Values & Tithi - count

YEARS	NO. of Days	Weeks	Mean Year	Mean Value (days)	LUNATION	Mean Lunation	Mean Value	TITHI's
1803	658531.6680 days	94076W	658532/1803	365.24237382141 days (365d 5h 49m 1s.09817)	22299.984	658532/22300	29.58295964 days (29d 12h 44 2s.368)	657849.5
3473	1268486.1247 days	181212W 2d	1268486/3473	365.24215375755831days (365d 5h 48m 42s.08465)	42954.989	1268486/42955	29.5305785124 days (29d 12h 44m1s.98)	1267172
WHAT is the best value? Mean Year between 365.24165 and 365.24275 days and a				Mean Month between 29.53055 and 29.5306 days.				
YEAR =365.242189669781 days;				Weeks/Yr =52.1774556671116	Lunation =29.53058881 days;	Tithis'/YEAR = 364.863859118511748361		
Ratio YEAR/Lunation =12.368266410797008419013640385317				TITHI =1.001036908813559322034		See also: http://www.brijvij.com/bb_896-yrs-159lwk.pdf		
128	46751.000277732	6678.7143	46751/128	365.2421875 days	1583.138101	46751/1583	29.53316487681617	46702.6
399	145731.633678243	20818.8048	145731/399	365.2406015037593985	4934.9168	145732/4935	29.53029381965552	145581
400	146096.8758679124	20870.9823	146097/400	365.2425	4947.30656	146097/4947	29.53244390539721	145946
½ *834	152305.9930922987	21757.999	152306/417	365.242206235011990407	5157.56709	152306½ /5157	29.53383750242389	152148
½ *896	163628.5009720619	23375.5001	163628½ /448	365.2421875 (??)	5540.98335	163628½ /5541	29.53049990976358	163459
				365.241910631741140216			29.530584278062	
649	237042.1811	33863.143	237042/649	365d5h48m21s.0786	8026.99877	237042/8027	29d12h44m2s.482	236796½
834	304611.9861845974	43515.998	304612/834	365.242206235011990407	10315.13418	304612/10315	29.53097430925836	304296
896	327257.0019441237	46751.0003	327257/896	365.2421875	11081.9667	327257/11082	29.53049990976358	326918
1730	631868.988128721	90266.9983	631869/1730	365.2421965317919075	21397.10089	631869/21397	29.53049990976358	631214½
3150	1150512.89745981	164359	1150513/3150	365.242222222222...2	38960.0392	1150513/38960	29.53062114989733	1153321
15570	5686820.89315849	812402.985	5686821/15570	365.2421965317919075	192573.908	5686821/192574	29.530621149897	5680930
			136466170/		4621180.115	136466170/		
373632	136466169.8106996	19495167	373632	365.242190176430284344	5989	4621180	29.5305895896719	136324813
25984	9490453.056	1355779	9490453/25984	365.2421875 days	321377.0325	9490453/321377	29.530591797173	9480622
25982	9489722.572	1355674.57	9489723/25982	365.24216765453 days	321352.2978	9489722/321352	29.53061440404142	9479893

896-years = [(13*33)+19] + [19+(13*33)]-years. I consider, the cycle, 'lunisolar' needing ONLY ONE 'tithi' to completing 11082nd lunation; also increasing Mean Lunation = (327257+1) days/11082 = 29.530590146183 days *i.e. 29d 12h 44m 2s.9886, which is the current value.* [Note: 29.53058881 days = 29d 12h 44m 2s.8732]. Both (26880-yr & 25984-yr cycles) have a mean year of exactly 365.2421875 days, which can be obtained from a 128-year cycle with 31 leap days or an 896-year cycle with 159 leap weeks. **[896-yrs = (15*59)+11; 834-yrs = (14*59)+8; 1730-yrs = (29*59)+19; 373632-years = [4x(1583*59)+11]** 1730-years/21397.10089 lunation; 9*1730 = 15570-years = (30*399)+(9*400)-years/192573.908 lunation NEED ONLY 27Tithi from 192574th lunation to complete itself. Karl and list people may recall & appreciate my posts during 2009 May thro 2010 February – especially around 2010 January 04 thro 14 worked for comparisons of my 1730-years vs 1803-year cycles to be linked for 'software development – Archetype Calendar; I linked built up of Harappan vs Hebrew calendars. Please see: http://www.brijvij.com/bb_re-9x1730.pdf. I claim to have developed the DIVIDE six (6) plan like the Leap Day (Feb 29) Rule to insert a Leap Week *plus a few Keplers' Leap Weeks, as per cycle plan* as: http://www.brijvij.com/bb_harappaTithi-Cycles.pdf.

The format has 4 equal QUARTERS, each of 91-days (13 weeks) with A World Peace Day of "Year XXXX" between last day - December 30th (Sunday) and before start of next year January 01 (Monday). July 31 is REMOVED and shifted as February 29th (all years). **Leap Sunday** is placed between June 30th (Sunday) and July 01st (Monday), like the Leap Day Rule but modified from div.4/skip 100th /count 400th -years **to DIVIDE 4/skip 128th-years**, to better Mean Year value = 365.2421875 days. This can also be achieved as suggested above, using 896-years/159 Leap Weeks (11082 lunation = 326918 tithi, of duration **1.00103690881356 day**). This 'tithi' approximates 966/965 day and 19-years – close to (5*47) = 235 lunar months. This has reference to my Home Page: <http://www.brijvij.com/>. I place the format and Rules, which may or may not need modifying: http://www.brijvij.com/bb_div-6_yr_st-n-drift.pdf. My Profile is based on my 40-year contributions, since 1970-71: http://www.brijvij.com/bbv_vip-brief.pdf. **Brij Bhushan Vij, Author**

M/T ratio and Fixing Tithi RE: Solar Years of Vj-Tithis (of 2/59 Lunar Month)

From: [Brij Bhushan Vij](mailto:metricvij@hotmail.com) (metricvij@hotmail.com)

Sent: Fri 11/13/09 7:16 PM

To: calendar listserv (calndr-l@listserv.ecu.edu)

Victor, Karl CC, sirs:

Karl's study of ratio M/T may reveal interesting results, since most values may be out side the *18 to 19 range*. The important factor shall depend on the value for 'TITHI' which shall give different values for various Tithi values used!

My suggestion therefore is to fix THIS at 29 1/2 Tithi per lunation.

(a) 966 Solar days = 965 'tithi or phases' or Ratio, $966/965 = 1.00103626943$ (i.e. ONE lunation = $29.53058881/1.00103626943 = 29.5000188423$ Tithi).

Thus, it can safely be fixed at 29 1/2 Tithi per lunar month.

This, however, remain 2L/59th (about 966/965 or 138 Weeks/965th day).

The lunar year, thus is 354 Tithi ($\times 1.001036908813559322 = 354.36706572$ days). This would have a slight deviation of Mean Lunation

= 29.530569948185 days i.e. about 1.5 second too short. THIS need arises, to my mind, so as to remove confusion about various tithi values, AND FIXES lunar Year at 354 Tithi!

Regards,

Brij Bhushan Vij

(MJD 2455149)/1361+D-325W46-05 (G. Friday, 2009 November 13H19:28 (decimal) EST

IMPORTANT Accurate (Lunisolar) Cycles – Compared

Refers to: http://www.brijvij.com/bb_mearyr-ln_cyls.pdf

YEAR = 365.242189669781 days; Lunar Month = 29.53058881 days

Year: Lunation :: 1:12.3682664107970084190136404

ONE Tithi = Lunation/29 1/2 = 1.001036908813559322 – (1d 1m 29s.5889).

See also my mail dated: Wed 8/11/10 6:38 PM sent to Calndr-L – Victor & Karl, showing my calculations.

Years	Yerms	Mean Year	DURATION	Mean Year Fractional	Days	Lunar Months	Tithi Count [L/29 1/2]	Mean Month	Mean Month Fraction	REMARKS
128		365.2421875	365d 5h 48m 45s.00	$365 \frac{31}{128}$	46751	1583	46702 1/2	29.53316487	$29 \frac{844}{1583}$	Brij Vij's Base Cycle [div.4/skip128th]
334	253	365.2425149	365d 5h 49m 13s.2934	$365 \frac{81}{334}$	121991	4131	121864 1/2	29.53062213	$29 \frac{2192}{4131}$	334-year cycle
372	281	365.2419355	365d 5h 48m 23s.2258	$365 \frac{90}{372}$	135870	4601	135729	29.53053684	$29 \frac{2441}{4601}$	Gregoriana
399		365.2431077	365d 5h 50m 4s.5113	$365 \frac{97}{399}$	145732	4935	145581	29.53029382	$29 \frac{2617}{4935}$	400-years = (21*19+1)-years
649	491	365.2419106	365d 5h 48m 21s.0786	$365 \frac{157}{649}$	237042	8027	236797	29.53058428	$29 \frac{4259}{8027}$	Old Lufkan Cycle
706	534	365.2422096	365d 5h 48m 46s.9122	$365 \frac{171}{706}$	257861	8732	257594	29.53057719	$29 \frac{4633}{8732}$	Two 353-year cycles
725	549	365.2427586	365d 5h 49m 34s.3430	$365 \frac{176}{725}$	264801	8967	264527	29.53061224	$29 \frac{4758}{8967}$	183 lunar 49-month cycles
834	631	365.242206	365d 5h 48m 46s.5984	$365 \frac{202}{834}$	304612	10315	304296 1/2	29.53097431	$29 \frac{5477}{10315}$	Brij's 834-year/148 LWks 'Tropical Year'
896	678	365.2421875	365d 5h 48m 45s.00	$365 \frac{217}{896}$	327257	11082	326918	29.53049991	$29 \frac{5879}{11082}$	Brij's 7*128-year cycle [div.6 LWks cycle]
1040	787	365.2423077	365d 5h 48m 55s.3853	$365 \frac{252}{1040}$	379852	12863	379458 1/2	29.53059162	$29 \frac{6825}{12863}$	1040-year cycle
1545	1169	365.2427184	365d 5h 49m 30s.8698	$365 \frac{375}{1545}$	564300	19109	563715 1/2	29.53058768	$29 \frac{10139}{19109}$	Fifteen 103-year cycles
1556	1177	365.2416452	365d 5h 47m 58s.1453	$365 \frac{376}{1556}$	568316	19245	567727	29.53057937	$29 \frac{10211}{19245}$	Irv's 1556-year cycle (4x389 yrs)
1689	1278	365.2421551	365 5h 48m 42s.20064	$365 \frac{409}{1689}$	616894	20890	616255	29.5305888	$29 \frac{11084}{20890}$	Goddess Lunar Cycle

1730		365.2421965	365d 5h 48m 45s.7803	365 ⁴¹⁹ / ₁₇₃₀	631869	21397	631215	29.53059059	29 ¹¹³⁵³ / ₂₁₃₉₇	Brij's combined (896+834)years
1803	1364	365.2423738	365d 5h 48m 1s.0963	365 ⁴³⁷ / ₁₈₀₃	658532	22300	657850	29.53058296	29 ¹¹⁸³² / ₂₂₃₀₀	Archetypes Calendar Cycle
2175	1645	365.2422989	365d 5h 48m 54s.62496	365 ⁵²⁷ / ₂₁₇₅	794402	26901	793579	29.53057507	29 ¹⁴²⁷³ / ₂₆₉₀₁	2175-year cycle
2414	1825	365.2419221	365d 5h 48m 22s.0694	365 ⁵⁸⁴ / ₂₄₁₄	881694	29857	880780	29.53056235	29 ¹⁵⁸⁴¹ / ₂₉₈₅₇	73 lunar 409-month cycles (Helios)
2688		365.2421875	365d 5h 48m 45s.00	365 ⁶⁵¹ / ₂₆₈₈	981771	33246	980754	29.53049991	29 ¹⁷⁶³⁷ / ₃₃₂₄₆	3*896-year/3*159 LWks
2805	2123	365.2424242	365d 5h 49m 5s.4545	365 ⁶⁸⁰ / ₂₈₀₅	1024505	34693	1023444	29.53059695	29 ¹⁸⁴⁰⁸ / ₃₄₆₉₃	85 33-year cycles
2900	2194	365.2424138	365d 5h 49m 4s.5517	365 ⁷⁰³ / ₂₉₀₀	1059203	35868	1058106	29.53058436	29 ¹⁹⁰³¹ / ₃₅₈₆₈	29 Century Cycle
2919	2207	365.2422062	365d 5h 48m 46s.6187	365 ⁷⁰⁷ / ₂₉₁₉	1066142	36103	1065038	29.53056533	29 ¹⁹¹⁵⁵ / ₃₆₁₀₃	Helios_Brij(?) 25/09/2009 = seven 417-year cycles
2930	2219	365.2423208	365d 5h 48m 56s.5188	365 ⁷¹⁰ / ₂₉₃₀	1070160	36239	1069051	29.53061619	29 ¹⁹²²⁹ / ₃₆₂₃₉	Qumran 60 Jubilees
3014	2280	365.2425348	365d 5h 48m 15s.00995	365 ⁷³¹ / ₃₀₁₄	1100841	37278	1099701	29.53058104	29 ¹⁹⁷⁷⁹ / ₃₇₂₇₈	57 lunar 654-month cycles (Helios)
3150	2386	365.2422222	365d 5h 48m 48s.00	365 ⁷⁶³ / ₃₁₅₀	1150513	38960	1149321	29.53062115	29 ²⁰⁶⁷³ / ₃₈₉₆₀	Half Eastern Orthodox
3234	2447	365.2424242	365d 5h 49m 5s.45455	365 ⁷⁸⁴ / ₃₂₃₄	1181194	39999	1179970 ½	29.53058826	29 ²¹²²³ / ₃₉₉₉₉	98 33-year cycles = 168742 weeks
3473	2627	365.2421538	365d 5h 48m 42s.08465	365 ⁸⁴¹ / ₃₄₇₃	1268486	42955	1267172	29.53057851	29 ²²⁷⁹¹ / ₄₂₉₅₅	71 lunar 605-month cycles (Helios)
3511	2655	365.2420963	365d 5h 48m 37s.1176	365 ⁸⁵⁰ / ₃₅₁₁	1282365	43425	1281037	29.53056995	29 ²³⁰⁴⁰ / ₄₃₄₂₅	45 Vj Tithi 965-month cycles
3663	2771	365.2424242	365d 5h 49m 5s.45455	365 ⁸⁸⁸ / ₃₆₆₃	1337883	45305	1336497	29.53058161	29 ²⁴⁰³⁸ / ₄₅₃₀₅	111 33-year cycles
3864	2923	365.242236	365d 5h 48m 49s.19255	365 ⁹³⁶ / ₃₈₆₄	1411296	47791	1409834	29.53058107	29 ²⁵³⁵⁷ / ₄₇₇₉₁	24 161-year cycles
4491		365.2422623	365d 5h 48m 51s.4629	365 ¹⁰⁸⁸ / ₄₄₉₁	1640303	55546	1638604	29.53053325	29 ²⁹⁴⁶⁹ / ₅₅₅₄₆	(2x896+11+3x896)-years
4589	3472	365.2423186	365d 5h 48m 56s.326	365 ¹¹¹² / ₄₅₈₉	1676097	56758	1674361	29.530586	29 ³⁰¹¹⁵ / ₅₆₇₅₈	Irv's 13 353-year cycles
4950	3743	365.2424242	365d 5h 49m 5s.45455	365 ¹²⁰⁰ / ₄₉₅₀	1807950	61223	1806077	29.53056858	29 ³²⁴⁸³ / ₆₁₂₂₃	33-year cycle with One Saltus Lunae every 5th Leap Year
5124	3875	365.2419984	365d 5h 48m 28s.6651	365 ¹²⁴⁰ / ₅₁₂₄	1871500	63375	1869561	29.53057199	29 ³³⁶²⁵ / ₆₃₃₇₅	125 lunar 507-month cycles (Helios)
5181	3920	365.2422312	365d 5h 48m 48s.77823	365 ¹²⁵⁵ / ₅₁₈₁	1892320	64080	1890360	29.53058677	29 ³⁴⁰⁰⁰ / ₆₄₀₈₀	80 lunar 801-month cycles
5371		365.2422268	365d 5h 48m 48s.3932	365 ¹³⁰¹ / ₅₃₇₁	1961716	66430	1959684	29.53057354	29 ³⁵²⁴⁶ / ₆₆₄₃₀	Brij's (3*896+891+2*896)-years
5515	4173	365.2422484	365d 5h 48m 50s.26292	365 ¹³³⁶ / ₅₅₁₅	2014311	68211	2012224 ½	29.53058891	29 ³⁶¹⁹² / ₆₈₂₁₁	39 lunar 1749-month cycles (Helios)
5697	4312	365.2422328	365d 5h 48m 48s.9099	365 ¹³⁸⁰ / ₅₆₉₇	2080785	70462	2078630	29.53059805	29 ³⁷³⁸⁷ / ₇₀₄₆₂	49 lunar 1438-month cycles (Helios)
6153	4654	365.2423208	365d 5h 48m 56s.5188	365 ¹⁴⁹¹ / ₆₁₅₃	2247336	76102	2245008	29.53057738	29 ⁴⁰³⁷⁸ / ₇₆₁₀₂	21 293-year cycles
6251	4730	365.2420413	365d 5h 48m 32s.366	365 ¹⁵¹³ / ₆₂₅₁	2283128	77314	2280763	29.53058954	29 ⁴¹⁰²² / ₇₇₃₁₄	86 lunar 899-month cycles
6400	4841	365.2425	365d 5h 49m 12s.00	365 ¹⁵⁵² / ₆₄₀₀	2337552	79157	2335131	29.53057847	29 ⁴¹⁹⁹⁹ / ₇₉₁₅₇	16 Gregorian Cycles
6403		365.2422302	365d 5h 48m 48s.6897	365 ¹⁵⁵¹ / ₆₄₀₃	2338646	79194	2336223 ½	29.53059575	29 ⁴²⁰²⁰ / ₇₉₁₉₄	Brij's practical cycle (50*128+3) – Linked to Gregorian Era
6707	5074	365.2422842	365d 5h 48m 53s.3532	365 ¹⁶²⁵ / ₆₇₀₇	2449680	82954	2447142 ½	29.53058321	29 ⁴⁴⁰¹⁴ / ₈₂₉₅₄	118 lunar 703-month cycles and also 19*535-year cycles
6745	5104	365.2424018	365d 5h 49m 3s.5137	365 ¹⁶³⁵ / ₆₇₄₅	2463560	83424	2461008	29.53059072	29 ⁴⁴²⁶⁴ / ₈₃₄₂₄	88 lunar 948-month cycles
6479	4902	365.242167		365 ¹⁵⁶⁹ / ₆₄₇₉	2366404	80134		29.53058627		John Savard's Cycle & Mikhial

6479	4904	365.2423213	365d 5h 48m 43s.2289	365 ¹⁵⁷⁰ / ₆₄₇₉	2366405	80134	2363954	29.53059875	29 ⁴²⁵¹⁸ / ₈₀₁₃₄	Petin's Great Meton Cycle
6840	5175	365.2423977	365d 5h 49m 3s.1579	365 ¹⁶⁵⁸ / ₆₈₄₀	2498258	84599	2495670	29.53058547	29 ⁴²⁵¹⁹ / ₈₀₁₃₄	John Savard's Cycle (leap)
6897	5218	365.2424242	365d 5h 49m 5s.45455	365 ¹⁶⁷² / ₆₈₉₇	2519077	85304	2516468	29.53058473	29 ⁸⁴⁸⁸⁷ / ₈₄₅₉₉	Meyer-Palmen Cycle
7364	5566	365.2421238	365d 5h 48m 39s.5003	365 ¹⁷⁸³ / ₇₃₆₄	2689643	91080	2686857	29.53055556	29 ⁴⁵²⁶¹ / ₈₅₃₀₄	363 Metonic cycles less one month = 209 33-year cycles
7980		365.2422306	365d 5h 48m 48s.7218	365 ¹⁹³³ / ₇₉₈₀	2914633	98699	2911614	29.53052209	29 ⁴⁸³²³ / ₉₁₀₈₀	253 Tabular Islamic 360-month cycles (Helios)
8019		365.2421748	365d 5h 48m 43s.9057	365 ¹⁹⁴² / ₈₀₁₉	2928877	99181	2925842 ½	29.53062583	29 ⁵²³⁶² / ₉₈₆₉₉	Julian Cycle 15*28*19 Brij's worked (9*27*33)-year cycle
8119	6142	365.2422712	365d 5h 48m 52s.233	365 ¹⁹⁶⁷ / ₈₁₁₉	2965402	100418	2962330	29.53058217	29 ⁴²⁵⁵ / ₈₀₁₉	74 lunar 1357-month cycles and 23*353-year cycles (Helios)
8464	6405	365.2422023	365d 5h 48m 46s.276	365 ²⁰⁵⁰ / ₈₄₆₄	3091410	104685	3088208	29.53059178	29 ⁵³²⁸⁰ / ₁₀₀₄₁₈	105 lunar 997-month cycles
8502	6433	365.24217831	365d 5h 48m 44s.2061	365 ²⁰⁵⁹ / ₈₅₀₂	3105289	105155	3102072	29.53058818	29 ⁵⁵⁵⁴⁵ / ₁₀₄₆₈₅	David Madore Cycle
8518	6439	365.242193	365d 5h 48m 45s.4755	365 ²⁰⁶³ / ₈₅₁₈	3111133	105353	3107910	29.53055917	29 ⁵⁵⁷⁹⁴ / ₁₀₅₁₅₅	137 lunar 769-month cycles (Helios)
8559	6478	365.242318	365d 5h 48m 56s.2776	365 ²⁰⁷⁴ / ₈₅₅₉	3126109	105860	3122871	29.53059701	29 ⁵⁵⁸⁹⁶ / ₁₀₅₃₅₃	79 lunar 1340-month cycles (Helios)
9083	6873	365.2423208	365d 5h 48m 56s.5188	365 ²²⁰¹ / ₉₀₈₃	3317496	112341	3314060	29.5305899	29 ⁵⁶¹⁶⁹ / ₁₀₅₈₆₀	31 293-year cycles
11600	8778	365.2425	365d 5h 49m 12s.00	365 ²⁸¹³ / ₁₁₆₀₀	4236813	143472	4232424	29.53059133	29 ⁵⁹⁶⁰⁷ / ₁₁₂₃₄₁	29 Gregorian Cycles
15000	11354	365.2423333	365d 5h 48m 57s.6	365 ³⁶³⁵ / ₁₅₀₀₀	5478635	185524	5472960	29.53059981	29 ⁷⁶¹²⁵ / ₁₄₃₄₇₂	15 Millennium Cycle
15570		365.242196532	365d 5h 48m 45s.78035	365 ³⁷⁷¹ / ₁₅₅₇₀	5686821	192574	5680930	29.53057526	29 ⁹⁸⁴³⁹ / ₁₈₅₅₂₄	Brij's (9*1730)-years cycle
18000	13619	365.2425	365d 5h 49m 12s.00	365 ⁴³⁶⁵ / ₁₈₀₀₀	6574365	222629	6567555	29.53058676	29 ¹⁰²¹⁷⁵ / ₁₉₂₅₇₄	45 Gregorian Cycles
18810		365.2422116	365d 5h 48m 47s.0813	365 ⁴⁵⁵⁶ / ₁₈₈₁₀	6870206	232647	6863090	29.53060216	29 ¹¹⁸¹²⁴ / ₂₂₂₆₂₉	Brij's 2*9405-year cycle
25984	19663	365.2421875	365d 5h 48m 45s.00	365 ⁶²⁹³ / ₂₅₉₈₄	9490453	321377	9480622	29.5305918	29 ¹²³⁴⁴³ / ₂₃₂₆₄₇	Brij's 29x 896-year (Closer to Precession) cycle – 23x128 yrs
26880	20339	365.2421875	365d 5h 48m 45s.00	365 ⁶⁵¹⁰ / ₂₆₈₈₀	9817710	332459	9807540	29.53058873	29 ¹⁷⁰⁵²⁰ / ₃₂₁₃₇₇	210 128-year Cycles = 30*896-year (Karl – Brij) cycles
36359	27510	365.2423334	365d 5h 48m 57s.6055	365 ⁸⁸¹¹ / ₃₆₃₅₉	13279846	449698	13266090	29.53058719	29 ¹⁷⁶³⁹⁹ / ₃₃₂₄₅₉	353:103 Cycle
60000	45377	365.2425	365d 5h 49m 12s.00	365 ¹⁴⁵⁵⁰ / ₆₀₀₀₀	21914550	742097	21891850	29.5305735	29 ²³⁸⁶⁰⁴ / ₄₄₉₆₉₈	Pontisso Calendar
72371	54768	365.2423208	365d 5h 48m 56s.5188	365 ¹⁷⁵³⁷ / ₇₂₃₇₁	26432952	895104	26405572	29.53059309	29 ³⁹³⁷³⁷ / ₇₄₂₀₉₇	Qumran 19-Quarter Repentance
73809	55814	365.2422062	365d 5h 48m 46s.6187	365 ¹⁷⁸⁷⁷ / ₇₃₈₀₉	26958162	912890	26930238	29.53056995	29 ⁴⁷⁴⁹³⁶ / ₈₉₅₁₀₄	946 Vij Tithi 965-month cycles = 88.5 834-year cycles
87900	66511	365.2423208	365d 5h 48m 56s.5188	365 ²¹³⁰⁰ / ₈₇₉₀₀	32104800	1087171	32071545	29.53058902	29 ⁴⁸⁴³⁵² / ₉₁₂₈₉₀	300 293-year cycles
98496	74542	365.2468222	365d 5h 55m 25s.4386	365 ²⁴³¹¹ / ₉₈₄₉₆	35975351	1218240	35938086	29.53059414	29 ⁵⁷⁶⁸⁴¹ / ₁₀₈₇₁₇₁	Hebrew 1/7 Cycle
103429	78254	365.2423208	365d 5h 48m 56s.5188	365 ²⁵⁰⁶³ / ₁₀₃₄₂₉	37776648	1279238	37737517½	29.53058618	29 ⁶⁴⁶³⁹¹ / ₁₂₁₈₂₄₀	353-year & 293-year Cycle
373632		365.242190176	365d 5h 48m 45s.2312	365 ⁹⁰⁴⁹⁰ / ₃₇₃₆₃₂	136466170	4621180	136324813	29.53058959	29 ⁶⁷⁸⁷⁴⁶ / ₁₂₇₉₂₃₈	Vij's Long Cycle
131670	99611	365.2424242	365d 5h 49m 5s.45455	365 ³¹⁹²⁰ / ₁₃₁₆₇₀	48091470	1628531	48041655	29.53058308	29 ²⁴⁵¹⁹⁵⁰ / ₄₆₂₁₁₈₀	Dee Easter Cycle
198000	149779	365.2424242	365d 5h 49m 5s.4545	365 ⁴⁸⁰⁰⁰ / ₁₉₈₀₀₀	72318000	2448919	72243090½	29.53058064	29 ⁸⁶⁴⁰⁷¹ / ₁₆₂₈₅₃₁	600-year epact increment (33-year cycle)

Compiled by: **Brij Bhushan Vij** [See details – Tithi/Divide SIX Leap Weeks Working: http://www.brijvij.com/bb_harappaTithi-Cycles.pdf]

See also, Karl's Accurate Lunisolar Cycles (Table): <http://www.the-light.com/cal/LunisolarA.htm>

E-mail: metricviuj@hotmail.com