

		Jerusalem	All times are in Local Mean Time					Artifacts Show That They (A)cccepted Or (R)ejected: Resulting In This Lunar Date
Year	Reference Parker and Dubberstein	Astronomical Spring Equinox (R.A. = 24.0 = 0.0)	Sunset's Lunar Date	Julian Day Number	Moon Set Of New Crescent	Sun's Right Ascension Reaching 24.0	Moon's Right Ascension and Declination	
-377	This Year		on 29th day	1583440.29	-377/03/23_18:53	23.8435	0.5268	Became-->12/30
	Had		on 30th day		-377/03/24_19:48	23.9048	1.2531, 8.6701	Became-->13/01
	13 Months	-377/03/26_10:22		1583442.93		24.0	2.4241	On-->13/02
	Did not allow Nisan in winter, not even by one day							
-380	Started Year	-380/03/25_17:06	on 28th day	1582347.21		24.0	0.0690	On-->12/29
	Having		on 29th day		-380/03/26_19:03	0.0639	0.9589, 1.5660	Became-->01/01
	13 Months							
	Allowed Nisan day after equinox							
-388	Started Year	-388/03/25_18:19	on 30th day	1579425.26		24.0	1.0513	On-->12/30
	Having		on 30th day		-388/03/25_19:35	0.0031	1.0948, 9.6720	Became-->01/01
	Two 6th Months							
	Allowed Nisan on same day as equinox							
-396	This Year		on 29th day		-396/03/23_19:10	23.8794	0.7783, 4.1666	Became-->13/01
	Had	-396/03/25_20:00		1576503.33		24.0	2.2816	On-->13/03
	13 Months							
	Did not allow Nisan in winter, even on 3rd day							
-407	Started Year		on 29th day		-407/03/25_19:26	23.9791	0.9324, 9.4571	Became-->01/01
	Having	-407/03/26_03:54		1572485.66		24.0	1.2585	On-->01/01
	Two 6th Months							
	Allowed Nisan on same day as equinox							
-415	This Year		on 30th day		-415/03/24_19:46	23.9168	1.2739, 7.3502	Became-->13/01
	Had	-415/03/26_05:28		1569563.72		24.0	2.4417	On-->13/02
	13 Months							
	Did not allow Nisan in winter, not even by one day							

-418	Started Year	-418/03/26_12:07	on 29th day	1568468.01		24.0	0.6702	On-->12/29
	Having		on 29th day		-418/03/26_19:02	0.0170	0.9333, 0.8194	Became-->01/01
	13 Months							
		Allowed Nisan on same day as equinox						
-426	Started Year		on 29th day		-426/03/25_19:30	23.9561	0.9389, 10.0025	Became-->01/01
	Having	-426/03/26_13:16		1565546.05		24.0	1.6630	On-->01/01
	13 Months							
		Allowed Nisan on same day as equinox						
-434	This Year		on 30th day		-434/03/24_19:43	23.8935	1.2491, 6.4292	Became-->13/01
	Had	-434/03/26_14:53		1562624.12		24.0	2.8905	On-->13/02
	13 Months							
		Did not allow Nisan in winter, not even by one day						
-437	KR3 Proves		on 29th day		-437/03/26_18:52	23.9932	0.7919, -0.2622	Became-->01/01
	This Year	-437/03/26_21:37		1561528.40		24.0	0.8877	On-->01/01
	Had							
	13 Months							
		Allowed Nisan on same day as equinox						
-445	This Year		on 29th day		-445/03/25_19:28	23.9325	0.8870	Declared-->12/30
	Had		on 30th day		-445/03/26_19:28	23.9917	1.8168, 14.7938	Became-->01/01
	13 Months	-445/03/26_22:49		1558606.45		24.0	1.9476	On-->01/01
	(plus AP13)							
-453	This Year		on 30th day		-453/03/24_19:47	23.8697	1.2978, 6.1201	Became-->13/01
	Had	-453/03/27_00:35		1555684.52		24.0	3.3150	On-->13/03
	13 Months							
		Did not allow Nisan in winter, not even by two day						
-456	Matches	-456/03/26_07:09		1554588.80		24.0	0.8379	On-->12/30
	Surrounding		on 30th day		-456/03/26_19:23	0.0301	1.2209, 2.4598	Became-->01/01
	Years	Allowed Nisan on same day as equinox						
-464	This Year		on 29th day		-464/03/24_19:12	23.9081	0.6247	Declared-->12/30
	Had		on 30th day		-464/03/25_20:10	23.9697	1.4872, 13.7360	Became-->01/01
	13 Months	-464/03/26_08:27		1551666.85		24.0	1.9152	On-->01/01

	(plus AP6)	Allowed Nisan on same day as equinox						
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-483	Started Year		on 30th day		-483/03/25_19:35	23.9452	0.9558, 11.2449	Became-->01/01
	Having	-483/03/26_17:47		1544727.24		24.0	1.6639	On-->01/01
	Two 6th Months							
		Allowed Nisan on same day as equinox						
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-494	Matches	-494/03/27_02:39		1540709.59		24.0	0.4693	On-->12/29
	Surrounding		on 29th day		-494/03/27_19:06	0.0405	1.0040, 1.2168	Became-->01/01
	Years	Allowed Nisan day after equinox						
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-502	Started Year		on 29th day		-502/03/25_18:56	23.9199	0.4195	Declared-->12/30
	Having		on 30th day		-502/03/26_18:56	23.9791	1.1730, 12.7281	Became-->01/01
	Two 6th Months	-502/03/27_03:25		1537787.64		24.0	1.4475	On-->01/01
		Allowed Nisan on same day as equinox						
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-510	Matches		on 30th day		-510/03/24_19:31	23.8580	1.1413, 3.2165	Became-->13/01
	Surrounding	-510/03/27_05:05		1534865.71		24.0	2.8918	On-->13/03
	Years	Did not allow Nisan in winter, not even by two day						
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-513		-513/03/27_11:47		1533769.99		24.0	0.5461	On-->12/29
			on 29th day		-513/03/27_18:53	0.0175	0.8055, 0.2768	Became-->01/01
		Allowed Nisan day after equinox						
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-521			on 30th day		-521/03/26_19:27	23.9569	0.8511, 10.9923	Became-->01/01
		-521/03/27_12:57		1530848.04		24	1.4653	On-->01/01
		Allowed Nisan on same day as equinox						
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								(A)ccepted

Year		<b>Astronomical Autumn Equinox</b> (R.A. = 12.0)	Sunset's Lunar Date	Julian Day Number	Moon Set Of New Crescent	Sun's Right Ascension Reaching 12.0	Moon's Right Ascension and Declination	Or (R)ejected: 2nd 6th Month
-521	This Year		on 30th day		-521/09/19_19:04	11.3927	13.0639, -12.1035	Became-->06 <sub>2</sub> /01
	Had	-521/09/29_17:17		1531034.22		12.0	21.6117	On-->06 <sub>2</sub> /10
	Two 6th Months							
		Darius Accession Year Note, Pohl was Correct						
		Did not allow 7/10 to be on the equinox day, waited a month						
-502	This Year		on 30th day		-502/09/19_19:08	11.4168	13.1787, -12.4489	Became-->06 <sub>2</sub> /01
	Had	-502/09/29_07:59		1537973.83		12.0	21.8466	On-->06 <sub>2</sub> /10
	Two 6th Months							
		Did not allow 7/10 to be on the equinox day, waited a month						
-494	This Year		on 06/29th day	1540886.29	-494/09/19_18:52			Declared-->06/30
	Had		on 06/30th day	1540887.29	-494/09/20_18:52	11.4792	12.2377, 3.6774	Became-->07/01
	Two 6th Months	-494/09/29_07:29		1540895.79		12.0	20.6517	On-->07/09
		Allowed 7/09 on day of equinox						
-483	This Year		on 29or30th day		-483/09/19_19:06	11.4403	13.1369, -11.8512	Became-->06 <sub>2</sub> /01
	Had	-483/09/28_22:45		1544913.45		12.0	21.8759	On-->06 <sub>2</sub> /10
	Two 6th Months							
		Did not allow 7/10 to be on the equinox day, waited a month						
-475	This Year		on 06/29th day	1547826.29	-475/09/19_18:52			Declared-->06/30
	Had		on 06/30th day	1547827.29	-475/09/20_18:52	11.5041	13.1979, -2.3004	Became-->07/01
	13 Months (not 14)	-475/09/28_21:29		1547835.40		12.0	20.8202	On-->07/09
		Allowed 7/09 on day of equinox						
-464	This Year		on 29th day	1551844.29	-464/09/19_19:07	11.4645		Became-->06 <sub>2</sub> /01
	Had							
	Two 6th Months							

	Four different historical data-points shows they really did add a 2nd-6th month	-464/09/28_13:19		1551853.06		12.0	21.5789	On-->06 <sub>2</sub> /09
		Did not allow 7/09 to be on the equinox day, waited a month						
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-445	This Year		on 29th day		-445/09/19_18:49	11.4874	13.4929, -12.6166	Became-->06 <sub>2</sub> /01
	Had	-445/09/29_04:03		1558792.67		12.0	21.1344	On-->06 <sub>2</sub> /10
	Two 6th Months	Did not allow 7/10 to be on the equinox day, waited a month						
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-426	This Year		on 29th day		-426/09/18_18:50	11.3884		Became-->06/30
	Had		on 30th day		-426/09/19_19:15	11.4510	13.2753, -11.0079	Became-->07/01
	One 6th Month	-426/09/28_18:48		1565732.28		12.0	20.9000	On-->07/09
		Allowed 7/09 on day of equinox						
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-418	This Year		on 29th day		-418/09/19_18:50	11.4530	12.2413, 3.7219	Became-->06/30
	Had		on 30th day	1568646.29	-418/09/20_19:19	11.5153		Became-->07/01
	13 Months	-418/09/28_17:36		1568654.23		12.0	19.6716	On-->07/08
		Allowed 7/08 or 07/09 on day of equinox						
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-407	This Year		on 30th day		-407/09/18_19:07	11.4133	13.0048, -9.0986	Became-->06 <sub>2</sub> /01
	Had	-407/09/28_09:31		1572671.90		12.0	21.0077	On-->06 <sub>2</sub> /10
	Two 6th Months	Did not allow 7/10 to be on the equinox day, waited a month						
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-399	This Year		on 30th day		-399/09/19_19:09	11.4774	12.7349, -0.0362	Became-->07/01
	Had	-399/09/28_08:23		1575593.85		12.0	19.6935	On-->07/09
	13 Months	Allowed 07/09 on day of equinox						
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-388	This Year		on 30th day		-388/09/18_19:22	11.4376	13.3345, -10.0122	Became-->06 <sub>2</sub> /01
	Had	-388/09/28_00:15		1579611.51		12.0	21.2952	On-->06 <sub>2</sub> /10
	Two 6th Months	Did not allow 7/10 to be on the equinox day, waited a month						
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-380	This Year		on 29th day		-380/09/18_18:51	11.4396	12.2817	Became-->06/30
	Had		on 30th day		-380/09/19_18:51	11.5007	13.1047, -3.1668	Became-->07/01
	13 Months	-380/09/27_22:57		1582533.46		12.0	20.0212	On-->07/09
		Allowed 07/09 on day of equinox						

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