Nowruz date (calendar.ut.ac.ir)	(leap)	Persian year (Kstars)	Nowruz compared to sun transit by Gregorian calendar (Kstars)	Sun transit ref Leap/common (Kstars)	Vernal Equinox (Kstars)	Sun Transit noon time (Kstars)	Persian year (timeanddate)	Nowruz compared to sun transit by Gregorian calendar (timeanddate)	Sun transit ref Leap/common (timeanddate)	Vernal Equinox (timeanddate)	Sayyad ref	Sayyad compare to kstars	Sayyad compare to timeanddate.com	Birashk ref	Birashk compare to kstars	Birashk compare to timeanddate.com	Akrami ref	Akrami compare to kstars	Akrami compare to timeanddate.com	Malekzadeh ref	Malekzadeh compare to kstars	Malekzadeh compare to timeanddate.com	Abdollahi ref	Abdollahi compare to kstars	Abdollahi compare to timeanddate.com	Kaveh ref	Kaveh compare to kstars	Kaveh compare to timeanddate.com	Vernal Equinox (Accurate times)	Sun Transit noon time (Accurate times)	Nowruz compared to sun transit by Gregorian calendar (Accurate times)
		1528	2149-03-21	C	2149-03-20 13:42:20	2149-03-20 12:07:46	1528	2149-03-21	C	2149-03-20 13:45:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1527	2148-03-21	L	2148-03-20 07:52:33	2148-03-20 12:07:42	1527	2148-03-21	L	2148-03-20 07:55:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1526	2147-03-21	C	2147-03-21 02:01:37	2147-03-21 12:07:38	1526	2147-03-21	C	2147-03-21 03:05:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1525	2146-03-21	C	2146-03-20 20:12:55	2146-03-20 12:07:51	1525	2146-03-21	C	2146-03-20 20:15:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1524	2145-03-21	C	2145-03-20 14:25:42	2145-03-20 12:07:46	1524	2145-03-21	C	2145-03-20 14:29:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1523	2144-03-20	L	2144-03-20 08:30:47	2144-03-20 12:07:43	1523	2144-03-20	L	2144-03-20 08:33:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1522	2143-03-21	C	2143-03-21 02:40:06	2143-03-21 12:07:38	1522	2143-03-21	C	2143-03-21 03:43:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1521	2142-03-21	C	2142-03-20 20:53:32	2142-03-20 12:07:51	1521	2142-03-21	C	2142-03-20 20:56:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1520	2141-03-21	C	2141-03-20 15:01:00	2141-03-20 12:07:47	1520	2141-03-21	C	2141-03-20 15:04:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1519	2140-03-20	L	2140-03-20 09:06:43	2140-03-20 12:07:44	1519	2140-03-20	L	2140-03-20 09:09:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1518	2139-03-21	C	2139-03-21 03:16:56	2139-03-21 12:07:40	1518	2139-03-21	C	2139-03-21 04:20:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1517	2138-03-21	C	2138-03-20 21:33:02	2138-03-20 12:07:53	1517	2138-03-21	C	2138-03-20 21:35:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1516	2137-03-21	C	2137-03-20 15:50:13	2137-03-20 12:07:48	1516	2137-03-21	C	2137-03-20 15:53:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1515	2136-03-20	L	2136-03-20 10:02:09	2136-03-20 12:07:44	1515	2136-03-20	L	2136-03-20 10:05:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1514	2135-03-21	C	2135-03-21 04:14:02	2135-03-21 12:07:40	1514	2135-03-21	C	2135-03-21 05:17:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1513	2134-03-21	C	2134-03-20 22:31:01	2134-03-20 12:07:53	1513	2134-03-21	C	2134-03-20 22:33:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1512	2133-03-21	C	2133-03-20 16:44:23	2133-03-20 12:07:49	1512	2133-03-21	C	2133-03-20 16:47:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1511	2132-03-20	L	2132-03-20 10:53:16	2132-03-20 12:07:45	1511	2132-03-20	L	2132-03-20 10:56:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1510	2131-03-21	C	2131-03-21 05:05:38	2131-03-21 12:07:40	1510	2131-03-21	C	2131-03-21 06:08:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1509	2130-03-21	C	2130-03-20 23:17:55	2130-03-20 12:07:53	1509	2130-03-21	C	2130-03-20 23:21:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1508	2129-03-21	C	2129-03-20 17:23:54	2129-03-20 12:07:49	1508	2129-03-21	C	2129-03-20 17:26:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1507	2128-03-20	L	2128-03-20 11:27:54	2128-03-20 12:07:46	1507	2128-03-20	L	2128-03-20 11:30:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1506	2127-03-21	C	2127-03-21 05:31:49	2127-03-21 12:07:43	1506	2127-03-21	C	2127-03-21 06:34:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1505	2126-03-21	C	2126-03-20 23:45:03	2126-03-20 12:07:55	1505	2126-03-21	C	2126-03-20 23:47:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1504	2125-03-21	C	2125-03-20 17:58:30	2125-03-20 12:07:50	1504	2125-03-21	C	2125-03-20 18:01:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1503	2124-03-20	L	2124-03-20 12:04:32	2124-03-20 12:07:47	1503	2124-03-20	L	2124-03-20 12:07:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	FALSE	FALSE	2124-03-20 12:04:48	2124-03-20 12:07:21	2124-03-20
		1502	2123-03-21	C	2123-03-21 06:18:00	2123-03-21 12:07:42	1502	2123-03-21	C	2123-03-21 07:20:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	FALSE	FALSE			
		1501	2122-03-21	C	2122-03-21 00:33:11	2122-03-21 12:07:37	1501	2122-03-21	C	2122-03-21 01:35:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1500	2121-03-21	C	2121-03-20 18:44:32	2121-03-20 12:07:50	1500	2121-03-21	C	2121-03-20 18:47:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1499	2120-03-21	C	2120-03-20 12:57:54	2120-03-20 12:07:46	1499	2120-03-21	C	2120-03-20 13:00:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	FALSE	FALSE	C	TRUE	TRUE	C	TRUE	TRUE	2120-03-20 12:58:21	2120-03-20 12:07:03	2120-03-21
2119-03-21	L	1498	2119-03-21	L	2119-03-21 07:08:16	2119-03-21 12:07:43	1498	2119-03-21	L	2119-03-21 08:10:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	FALSE	FALSE	L	TRUE	TRUE	L	TRUE	TRUE			
2118-03-21		1497	2118-03-21	C	2118-03-21 01:22:29	2118-03-21 12:07:38	1497	2118-03-21	C	2118-03-21 02:24:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2117-03-21		1496	2117-03-21	C	2117-03-20 19:35:20	2117-03-20 12:07:52	1496	2117-03-21	C	2117-03-20 19:38:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2116-03-20		1495	2116-03-20	C	2116-03-20 13:38:00	2116-03-20 12:07:49	1495	2116-03-20	C	2116-03-20 13:40:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2115-03-21	L	1494	2115-03-21	L	2115-03-21 07:51:31	2115-03-21 12:07:45	1494	2115-03-21	L	2115-03-21 08:54:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
2114-03-21		1493	2114-03-21	C	2114-03-21 02:08:56	2114-03-21 12:07:41	1493	2114-03-21	C	2114-03-21 03:10:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2113-03-21		1492	2113-03-21	C	2113-03-20 20:19:56	2113-03-20 12:07:53	1492	2113-03-21	C	2113-03-20 20:22:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2112-03-21		1491	2112-03-21	C	2112-03-20 14:32:01	2112-03-20 12:07:49	1491	2112-03-21	C	2112-03-20 14:34:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2111-03-21	L	1490	2111-03-21	L	2111-03-21 08:40:16	2111-03-21 12:07:45	1490	2111-03-21	L	2111-03-21 09:42:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
2110-03-21		1489	2110-03-21	C	2110-03-21 02:50:59	2110-03-21 12:07:40	1489	2110-03-21	C	2110-03-21 03:53:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2109-03-21		1488	2109-03-21	C	2109-03-20 21:05:04	2109-03-20 12:07:53	1488	2109-03-21	C	2109-03-20 21:08:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2108-03-21		1487	2108-03-21	C	2108-03-20 15:08:28	2108-03-20 12:07:49	1487	2108-03-21	C	2108-03-20 15:10:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2107-03-21	L	1486	2107-03-21	L	2107-03-21 09:19:24	2107-03-21 12:07:45	1486	2107-03-21	L	2107-03-21 10:21:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
2106-03-21		1485	2106-03-21	C	2106-03-21 03:33:41	2106-03-21 12:07:40	1485	2106-03-21	C	2106-03-21 04:35:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2105-03-21		1484	2105-03-21	C	2105-03-20 21:35:45	2105-03-20 12:07:54	1484	2105-03-21	C	2105-03-20 21:38:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2104-03-21		1483	2104-03-21	C	2104-03-20 15:43:32	2104-03-20 12:07:50	1483	2104-03-21	C	2104-03-20 15:45:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2103-03-21	L	1482	2103-03-21	L	2103-03-21 09:52:29	2103-03-21 12:07:47	1482	2103-03-21	L	2103-03-21 10:54:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
2102-03-21		1481	2102-03-21	C	2102-03-21 04:05:02	2102-03-21 12:07:42	1481	2102-03-21	C	2102-03-21 05:07:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2101-03-21		1480	2101-03-21	C	2101-03-20 22:25:02	2101-03-20 12:07:55	1480	2101-03-21	C	2101-03-20 22:28:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2100-03-21		1479	2100-03-21	C	2100-03-20 16:32:43	2100-03-20 12:07:51	1479	2100-03-21	C	2100-03-20 16:35:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2099-03-20	L	1478	2099-03-20	L	2099-03-20 10:46:50	2099-03-20 12:07:47	1478	2099-03-20	L	2099-03-20 10:49:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
2098-03-20		1477	2098-03-20	C	2098-03-20 05:09:19	2098-03-20 12:07:41	1477	2098-03-20	C	2098-03-20 05:11:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2097-03-20		1476	2097-03-20	C	2097-03-19 23:17:25	2097-03-19 12:07:55	1476	2097-03-20	C	2097-03-19 23:19:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2096-03-20		1475	2096-03-20	C	2096-03-19 17:32:14	2096-03-19 12:07:51	1475	2096-03-20	C	2096-03-19 17:34:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2095-03-20	LL	1474	2095-03-20	L	2095-03-20 11:44:10	2095-03-20 12:07:47	1474	2095-03-20	L	2095-03-20 11:46:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
2094-03-20		1473	2094-03-20	C	2094-03-20 05:50:45	2094-03-20 12:07:43	1473	2094-03-20	C	2094-03-20 05:52:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2093-03-20		1472	2093-03-20	C	2093-03-20 00:03:28	2093-03-20 12:07:38	1472	2093-03-20	C	2093-03-20 00:05:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2092-03-20		1471	2092-03-20	C	2092-03-19 18:02:53	2092-03-19 12:07:53	1471	2092-03-20	C	2092-03-19 18:04:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2091-03-21		1470	2091-03-21	C	2091-03-20 12:10:53	2091-03-20 12:07:49	1470	2091-03-21	C	2091-03-20 12:13:00	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	C	TRUE	TRUE	2091-03-20 12:11:38	2091-03-21 12:07:23	2091-03-21
2090-03-20		1469	2090-03-20	C	2090-03-20 06:30:57	2090-03-20 12:07:43	1469	2090-03-20	C	2090-03-20 06:33:00	C	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	TRUE	TRUE			
2089-03-20		1468	2089-03-20	C	2089-03-20 00:35:38	2089-03-20 12:07:40	1468	2089-03-20	C	2089-03-20 00:37:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2088-03-20		1467	2088-03-20	C	2088-03-19 18:46:12	2088-03-19 12:07:53	1467	2088-03-20	C	2088-03-19 18:48:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2087-03-21		1466	2087-03-21	C	2087-03-20 12:57:38	2087-03-20 12:07:48	1466	2087-03-21	C	2087-03-20 12:59:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2086-03-20		1465	2086-03-20	L	2086-03-20 07:04:16	2086-03-20 12:07:45	1465	2086-03-20	L	2086-03-20 07:06:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
2085-03-20		1464	2085-03-20	C	2085-03-20 01:22:12	2085-03-20 12:07:39	1464	2085-03-20	C	2085-03-20 01:24:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2084-03-20		1463	2084-03-20	C	2084-03-19 19:28:32	2084-03-19 12:07:54	1463	2084-03-20	C	2084-03-19 19:30:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2083-03-21		1462	2083-03-21	C	2083-03-20 13:39:04	2083-03-20 12:07:49	1462	2083-03-21	C	2083-03-20 13:41:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2082-03-20	L	1461	2082-03-20	L	2082-03-20 08:00:00	2082-03-20 12:07:44	1461	2082-03-20	L	2082-03-20 08:01:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
2081-03-20		1460	2081-03-20	C	2081-03-20 02:03:45	2081-03-20 12:07:41	1460	2081-03-20	C	2081-03-20 02:05:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2080-03-20		1459	2080-03-20	C	2080-03-19 20:13:13	2080-03-19 12:07:55	1459	2080-03-20	C	2080-03-19 20:14:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2079-03-21		1458	2079-03-21	C	2079-03-20 14:30:00	2079-03-20 12:07:51	1458	2079-03-21	C	2079-03-20 14:31:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2078-03-20	L	1457	2078-03-20	L	2078-03-20 08:39:57	2078-03-20 12:07:47	1457	2078-03-20	L	2078-03-20 08:41:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
2077-03-20		1456	2077-03-20	C	2077-03-20 02:59:47	2077-03-20 12:07:41	1456	2077-03-20	C	2077-03-20 03:01:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2076-03-20		1455	2076-03-20	C	2076-03-19 21:08:05	2076-03-19 12:07:55	1455	2076-03-20	C	2076-03-19 21:09:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2075-03-20		1454	2075-03-20	C	2075-03-20 15:15:25	2075-03-20 12:07:51	1454	2075-03-20	C	2075-03-20 15:17:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
2074-03-20	L	1453	2074-03-20	L	2074-03-20 09:37:44	2074-03-20 12:07:45	1453	2074-03-20	L	2074-03-20 09:39:00	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
2073-03-20		1452	2073-03-20	C	2073-03-20 03:42:24	2073-03-20 12:07:42	1452	2073-03-20	C	2073-03-20 03:43:00	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			

Comparison of Nowruz dates across calculation methods (calendar.ut.ac.ir, Kstars software, timeanddate.com, Sayyad, Behruz / Birashk, Akrami, Rezazadeh-malek, Abdollahi, Kaveh, Accurate times software)

Nowruz date	Persian year	Nowruz cmp sun transit by Greg. calendar	ref	Vernal Equinox (Kstars)	Sun Transit noon time (Kstars)	Persian year (t&d)	Nowruz cmp sun transit (t&d)	ref	Vernal Equinox (t&d)	ref	Sayyad→kstars	Sayyad→t&d	Birashk→kstars	Birashk→t&d	Akrami→kstars	Akrami→t&d	Malekzadeh→kstars	Malekzadeh→t&d	Abdollahi→kstars	Abdollahi→t&d	Kaveh→kstars	Kaveh→t&d	Vernal Equinox (Accurate)	Sun Transit noon (Accurate)	Nowruz cmp (Accurate)
2072-03-20	1451	2072-03-20	C	2072-03-19 21:49:55	2072-03-19 12:07:55	1451	2072-03-20	C	2072-03-19 21:51:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2071-03-21	1450	2071-03-21	C	2071-03-20 16:03:42	2071-03-20 12:07:51	1450	2071-03-21	C	2071-03-20 16:05:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2070-03-20	1449	2070-03-20	L	2070-03-20 10:04:08	2070-03-20 12:07:48	1449	2070-03-20	L	2070-03-20 10:05:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2069-03-20	1448	2069-03-20	C	2069-03-20 04:13:54	2069-03-20 12:07:43	1448	2069-03-20	C	2069-03-20 04:15:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2068-03-20	1447	2068-03-20	C	2068-03-19 22:18:10	2068-03-19 12:07:58	1447	2068-03-20	C	2068-03-19 22:19:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2067-03-21	1446	2067-03-21	C	2067-03-20 16:22:57	2067-03-20 12:07:54	1446	2067-03-21	C	2067-03-20 16:24:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2066-03-20	1445	2066-03-20	L	2066-03-20 10:48:44	2066-03-20 12:07:48	1445	2066-03-20	L	2066-03-20 10:50:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2065-03-20	1444	2065-03-20	C	2065-03-20 04:57:15	2065-03-20 12:07:44	1444	2065-03-20	C	2065-03-20 04:58:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2064-03-20	1443	2064-03-20	C	2064-03-19 23:07:32	2064-03-19 12:07:58	1443	2064-03-20	C	2064-03-19 23:09:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2063-03-21	1442	2063-03-21	C	2063-03-20 17:28:12	2063-03-20 12:07:52	1442	2063-03-21	C	2063-03-20 17:29:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2062-03-20 LL	1441	2062-03-20	L	2062-03-20 11:36:35	2062-03-20 12:07:49	1441	2062-03-20	L	2062-03-20 11:37:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	2062-03-20 11:37:17	2062-03-20 12:07:23	2062-03-20
2061-03-20	1440	2061-03-20	C	2061-03-20 05:55:02	2061-03-20 12:07:44	1440	2061-03-20	C	2061-03-20 05:56:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE			
2060-03-20	1439	2060-03-20	C	2060-03-20 00:07:29	2060-03-20 12:07:40	1439	2060-03-20	C	2060-03-20 00:08:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2059-03-21	1438	2059-03-21	C	2059-03-20 18:13:16	2059-03-20 12:07:54	1438	2059-03-21	C	2059-03-20 18:14:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2058-03-21	1437	2058-03-21	C	2058-03-20 12:33:58	2058-03-20 12:07:48	1437	2058-03-21	C	2058-03-20 12:35:00	C	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE	2058-03-20 12:35:23	2058-03-20 12:07:23	2058-03-21
2057-03-20	1436	2057-03-20	L	2057-03-20 06:37:04	2057-03-20 12:07:46	1436	2057-03-20	L	2057-03-20 06:38:00	L	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE			
2056-03-20	1435	2056-03-20	C	2056-03-20 00:39:46	2056-03-20 12:07:42	1435	2056-03-20	C	2056-03-20 00:41:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2055-03-21	1434	2055-03-21	C	2055-03-20 18:57:33	2055-03-20 12:07:55	1434	2055-03-21	C	2055-03-20 18:58:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2054-03-21	1433	2054-03-21	C	2054-03-20 13:03:14	2054-03-20 12:07:51	1433	2054-03-21	C	2054-03-20 13:04:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2053-03-20	1432	2053-03-20	L	2053-03-20 07:15:52	2053-03-20 12:07:46	1432	2053-03-20	L	2053-03-20 07:17:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2052-03-20	1431	2052-03-20	C	2052-03-20 01:25:05	2052-03-20 12:07:42	1431	2052-03-20	C	2052-03-20 01:26:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2051-03-21	1430	2051-03-21	C	2051-03-20 19:28:06	2051-03-20 12:07:56	1430	2051-03-21	C	2051-03-20 19:29:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2050-03-20	1429	2050-03-20	C	2050-03-20 13:48:42	2050-03-20 12:07:50	1429	2050-03-20	C	2050-03-20 13:49:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2049-03-20	1428	2049-03-20	L	2049-03-20 07:57:57	2049-03-20 12:07:46	1428	2049-03-20	L	2049-03-20 07:58:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2048-03-20	1427	2048-03-20	C	2048-03-20 02:02:36	2048-03-20 12:07:43	1427	2048-03-20	C	2048-03-20 02:03:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2047-03-21	1426	2047-03-21	C	2047-03-20 20:21:54	2047-03-20 12:07:55	1426	2047-03-21	C	2047-03-20 20:22:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2046-03-21	1425	2046-03-21	C	2046-03-20 14:27:03	2046-03-20 12:07:52	1425	2046-03-21	C	2046-03-20 14:27:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2045-03-20	1424	2045-03-20	L	2045-03-20 08:36:18	2045-03-20 12:07:48	1424	2045-03-20	L	2045-03-20 08:37:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2044-03-20	1423	2044-03-20	C	2044-03-20 02:49:39	2044-03-20 12:07:44	1423	2044-03-20	C	2044-03-20 02:50:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2043-03-21	1422	2043-03-21	C	2043-03-20 20:57:02	2043-03-20 12:07:58	1422	2043-03-21	C	2043-03-20 20:57:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2042-03-21	1421	2042-03-21	C	2042-03-20 15:22:15	2042-03-20 12:07:52	1421	2042-03-21	C	2042-03-20 15:23:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2041-03-20	1420	2041-03-20	L	2041-03-20 09:36:04	2041-03-20 12:07:48	1420	2041-03-20	L	2041-03-20 09:36:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2040-03-20	1419	2040-03-20	C	2040-03-20 03:40:51	2040-03-20 12:07:45	1419	2040-03-20	C	2040-03-20 03:41:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2039-03-21	1418	2039-03-21	C	2039-03-20 22:01:21	2039-03-20 12:07:57	1418	2039-03-21	C	2039-03-20 22:01:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2038-03-21	1417	2038-03-21	C	2038-03-20 16:09:48	2038-03-20 12:07:53	1417	2038-03-21	C	2038-03-20 16:10:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2037-03-20	1416	2037-03-20	L	2037-03-20 10:19:01	2037-03-20 12:07:48	1416	2037-03-20	L	2037-03-20 10:20:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2036-03-20	1415	2036-03-20	C	2036-03-20 04:31:59	2036-03-20 12:07:44	1415	2036-03-20	C	2036-03-20 04:32:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2035-03-21	1414	2035-03-21	C	2035-03-20 22:32:42	2035-03-20 12:07:59	1414	2035-03-21	C	2035-03-20 22:32:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2034-03-21	1413	2034-03-21	C	2034-03-20 16:46:54	2034-03-20 12:07:52	1413	2034-03-21	C	2034-03-20 16:47:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2033-03-20	1412	2033-03-20	L	2033-03-20 10:52:19	2033-03-20 12:07:50	1412	2033-03-20	L	2033-03-20 10:52:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2032-03-20	1411	2032-03-20	C	2032-03-20 04:51:31	2032-03-20 12:07:47	1411	2032-03-20	C	2032-03-20 04:51:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2031-03-21	1410	2031-03-21	C	2031-03-20 23:10:26	2031-03-20 12:07:59	1410	2031-03-21	C	2031-03-20 23:11:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2030-03-21	1409	2030-03-21	C	2030-03-20 17:21:15	2030-03-20 12:07:55	1409	2030-03-21	C	2030-03-20 17:21:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2029-03-20 LL	1408	2029-03-20	L	2029-03-20 11:31:04	2029-03-20 12:07:51	1408	2029-03-20	L	2029-03-20 11:32:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	2029-03-20 11:31:55	2029-03-20 12:07:24	2029-03-20
2028-03-20	1407	2028-03-20	C	2028-03-20 05:46:32	2028-03-20 12:07:46	1407	2028-03-20	C	2028-03-20 05:47:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE			
2027-03-21	1406	2027-03-21	C	2027-03-20 23:54:19	2027-03-20 12:08:00	1406	2027-03-21	C	2027-03-20 23:54:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2026-03-21	1405	2026-03-21	C	2026-03-20 18:15:02	2026-03-20 12:07:55	1405	2026-03-21	C	2026-03-20 18:15:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2025-03-21	1404	2025-03-21	C	2025-03-20 12:31:04	2025-03-20 12:07:50	1404	2025-03-21	C	2025-03-20 12:31:00	C	TRUE	TRUE	FALSE	FALSE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE	2025-03-20 12:32:02	2025-03-20 12:07:24	2025-03-21
2024-03-20	1403	2024-03-20	L	2024-03-20 06:36:04	2024-03-20 12:07:47	1403	2024-03-20	L	2024-03-20 06:36:00	L	TRUE	TRUE	FALSE	FALSE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE			
2023-03-20	1402	2023-03-21	C	2023-03-21 00:54:15	2023-03-21 12:07:42	1402	2023-03-21	C	2023-03-21 00:54:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2022-03-21	1401	2022-03-21	C	2022-03-20 19:02:53	2022-03-20 12:07:56	1401	2022-03-21	C	2022-03-20 19:03:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2021-03-21	1400	2021-03-21	C	2021-03-20 13:07:05	2021-03-20 12:07:53	1400	2021-03-21	C	2021-03-20 13:07:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2020-03-20	1399	2020-03-20	L	2020-03-20 07:19:35	2020-03-20 12:07:49	1399	2020-03-20	L	2020-03-20 07:19:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2019-03-21	1398	2019-03-21	C	2019-03-21 01:28:06	2019-03-21 12:07:45	1398	2019-03-21	C	2019-03-21 01:28:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2018-03-21	1397	2018-03-21	C	2018-03-20 19:44:45	2018-03-20 12:07:57	1397	2018-03-21	C	2018-03-20 19:45:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2017-03-21	1396	2017-03-21	C	2017-03-20 13:58:32	2017-03-20 12:07:52	1396	2017-03-21	C	2017-03-20 13:58:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2016-03-20	1395	2016-03-20	L	2016-03-20 07:59:48	2016-03-20 12:07:49	1395	2016-03-20	L	2016-03-20 08:00:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2015-03-21	1394	2015-03-21	C	2015-03-21 02:14:54	2015-03-21 12:07:44	1394	2015-03-21	C	2015-03-21 02:15:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2014-03-21	1393	2014-03-21	C	2014-03-20 20:26:36	2014-03-20 12:07:57	1393	2014-03-21	C	2014-03-20 20:27:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2013-03-21	1392	2013-03-21	C	2013-03-20 14:31:36	2013-03-20 12:07:53	1392	2013-03-21	C	2013-03-20 14:31:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2012-03-20	1391	2012-03-20	L	2012-03-20 08:44:14	2012-03-20 12:07:48	1391	2012-03-20	L	2012-03-20 08:44:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2011-03-21	1390	2011-03-21	C	2011-03-21 02:50:33	2011-03-21 12:07:45	1390	2011-03-21	C	2011-03-21 02:50:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2010-03-21	1389	2010-03-21	C	2010-03-20 21:01:46	2010-03-20 12:07:58	1389	2010-03-21	C	2010-03-20 21:02:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2009-03-21	1388	2009-03-21	C	2009-03-20 15:13:47	2009-03-20 12:07:54	1388	2009-03-21	C	2009-03-20 15:13:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2008-03-20	1387	2008-03-20	L	2008-03-20 09:18:15	2008-03-20 12:07:51	1387	2008-03-20	L	2008-03-20 09:18:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2007-03-21	1386	2007-03-21	C	2007-03-21 03:37:13	2007-03-21 12:07:46	1386	2007-03-21	C	2007-03-21 03:37:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2006-03-21	1385	2006-03-21	C	2006-03-20 21:55:17	2006-03-20 12:07:59	1385	2006-03-21	C	2006-03-20 21:55:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2005-03-21	1384	2005-03-21	C	2005-03-20 16:03:36	2005-03-20 12:07:55	1384	2005-03-21	C	2005-03-20 16:03:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2004-03-20	1383	2004-03-20	L	2004-03-20 10:18:40	2004-03-20 12:07:51	1383	2004-03-20	L	2004-03-20 10:18:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2003-03-21	1382	2003-03-21	C	2003-03-21 04:30:21	2003-03-21 12:07:47	1382	2003-03-21	C	2003-03-21 04:29:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2002-03-21	1381	2002-03-21	C	2002-03-20 22:46:15	2002-03-20 12:07:59	1381	2002-03-21	C	2002-03-20 22:46:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2001-03-21	1380	2001-03-21	C	2001-03-20 17:01:00	2001-03-20 12:07:55	1380	2001-03-21	C	2001-03-20 17:00:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
2000-03-20	1379	2000-03-20	L	2000-03-20 11:05:24	2000-03-20 12:07:51	1379	2000-03-20	L	2000-03-20 11:05:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1999-03-21	1378	1999-03-21	C	1999-03-21 05:15:56	1999-03-21 12:07:47	1378	1999-03-21	C	1999-03-21 05:15:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1998-03-21	1377	1998-03-21	C	1998-03-20 23:24:27	1998-03-20 12:08:00	1377	1998-03-21	C	1998-03-20 23:24:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1997-03-21	1376	1997-03-21	C	1997-03-20 17:25:07	1997-03-20 12:07:57	1376	1997-03-21	C	1997-03-20 17:24:00	C	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1996-03-20 LL	1375	1996-03-20	L	1996-03-20 11:33:13	1996-03-20 12:07:53	1375	1996-03-20	L	1996-03-20 11:33:00	L	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	1996-03-20 11:33:09	1996-03-20 12:07:27	1996-03-20

Nowruz date	L	Persian year	Nowruz vs sun transit (Greg)	L/C	Vernal Equinox (Kstars)	Sun Transit noon time (Kstars)	Persian year	Nowruz vs sun transit (Greg)	L/C	Vernal Equinox (timeanddate.com)	Sayyad vs kstars	Sayyad vs t&d	Birashk vs kstars	Birashk vs t&d	Akrami vs kstars	Akrami vs t&d	Malekzadeh vs kstars	Malekzadeh vs t&d	Abdollahi vs kstars	Abdollahi vs t&d	Kaveh vs kstars	Kaveh vs t&d	Vernal Equinox (Accurate)	Sun Transit noon (Accurate)	Nowruz vs sun transit (Accurate)
1995-03-21		1374	1995-03-21	C	1995-03-21 05:44:44	1995-03-21 12:07:49	1374	1995-03-21	C	1995-03-21 05:44:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	L FALSE	FALSE			
1994-03-21		1373	1994-03-21	C	1994-03-20 23:58:09	1994-03-20 12:08:01	1373	1994-03-21	C	1994-03-20 23:57:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	TRUE	TRUE			
1993-03-21		1372	1993-03-21	C	1993-03-20 18:11:09	1993-03-20 12:07:57	1372	1993-03-21	C	1993-03-20 18:10:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	TRUE	TRUE			
1992-03-21		1371	1992-03-21	C	1992-03-20 12:18:10	1992-03-20 12:07:53	1371	1992-03-21	C	1992-03-20 12:17:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	L FALSE	FALSE	C TRUE	TRUE	TRUE	TRUE	1992-03-20 12:18:51	1992-03-20 12:07:27	1992-03-21
1991-03-21	L	1370	1991-03-21	L	1991-03-21 06:32:11	1991-03-21 12:07:48	1370	1991-03-21	L	1991-03-21 06:31:00	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L FALSE	FALSE	L TRUE	TRUE	L TRUE	TRUE			
1990-03-21		1369	1990-03-21	C	1990-03-21 00:49:02	1990-03-21 12:07:43	1369	1990-03-21	C	1990-03-21 00:49:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1989-03-21		1368	1989-03-21	C	1989-03-20 18:58:34	1989-03-20 12:07:58	1368	1989-03-21	C	1989-03-20 18:58:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1988-03-21		1367	1988-03-21	C	1988-03-20 13:09:04	1988-03-20 12:07:54	1367	1988-03-21	C	1988-03-20 13:08:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1987-03-21	L	1366	1987-03-21	L	1987-03-21 07:22:17	1987-03-21 12:07:49	1366	1987-03-21	L	1987-03-21 07:21:00	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1986-03-21		1365	1986-03-21	C	1986-03-21 01:32:55	1986-03-21 12:07:45	1365	1986-03-21	C	1986-03-21 01:32:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1985-03-21		1364	1985-03-21	C	1985-03-20 19:44:18	1985-03-20 12:07:59	1364	1985-03-21	C	1985-03-20 19:43:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1984-03-21		1363	1984-03-21	C	1984-03-20 13:54:08	1984-03-20 12:07:55	1363	1984-03-21	C	1984-03-20 13:54:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1983-03-21		1362	1983-03-21	L	1983-03-21 08:08:48	1983-03-21 12:07:51	1362	1983-03-21	L	1983-03-21 08:08:00	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1982-03-21		1361	1982-03-21	C	1982-03-21 02:25:33	1982-03-21 12:07:45	1361	1982-03-21	C	1982-03-21 02:25:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1981-03-21		1360	1981-03-21	C	1981-03-20 20:32:55	1981-03-20 12:07:59	1360	1981-03-21	C	1981-03-20 20:32:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1980-03-21		1359	1980-03-21	C	1980-03-20 14:39:41	1980-03-20 12:07:55	1359	1980-03-21	C	1980-03-20 14:39:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1979-03-21	L	1358	1979-03-21	L	1979-03-21 08:52:04	1979-03-21 12:07:51	1358	1979-03-21	L	1979-03-21 08:22:00	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1978-03-21		1357	1978-03-21	C	1978-03-21 03:03:39	1978-03-21 12:07:46	1357	1978-03-21	C	1978-03-21 03:03:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1977-03-21		1356	1977-03-21	C	1977-03-20 21:12:42	1977-03-20 12:07:59	1356	1977-03-21	C	1977-03-20 21:12:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1976-03-21		1355	1976-03-21	C	1976-03-20 15:19:40	1976-03-20 12:07:55	1355	1976-03-21	C	1976-03-20 15:19:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1975-03-21	L	1354	1975-03-21	L	1975-03-21 09:27:02	1975-03-21 12:07:51	1354	1975-03-21	L	1975-03-21 09:26:00	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1974-03-21		1353	1974-03-21	C	1974-03-21 03:36:37	1974-03-21 12:07:47	1353	1974-03-21	C	1974-03-21 03:36:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1973-03-21		1352	1973-03-21	C	1973-03-20 21:42:46	1973-03-20 12:08:02	1352	1973-03-21	C	1973-03-20 21:42:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1972-03-21		1351	1972-03-21	C	1972-03-20 15:51:11	1972-03-20 12:07:58	1351	1972-03-21	C	1972-03-20 15:50:59	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1971-03-21	L	1350	1971-03-21	L	1971-03-21 10:08:22	1971-03-21 12:07:53	1350	1971-03-21	L	1971-03-21 10:08:00	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1970-03-21		1349	1970-03-21	C	1970-03-21 04:26:26	1970-03-21 12:07:48	1349	1970-03-21	C	1970-03-21 04:26:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1969-03-21		1348	1969-03-21	C	1969-03-20 22:38:08	1969-03-20 12:08:02	1348	1969-03-21	C	1969-03-20 22:38:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1968-03-21		1347	1968-03-21	C	1968-03-20 16:51:58	1968-03-20 12:07:57	1347	1968-03-21	C	1968-03-20 16:51:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1967-03-21	L	1346	1967-03-21	L	1967-03-21 11:07:12	1967-03-21 12:07:53	1346	1967-03-21	L	1967-03-21 11:06:00	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1966-03-21		1345	1966-03-21	C	1966-03-21 05:22:43	1966-03-21 12:07:48	1345	1966-03-21	C	1966-03-21 05:22:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1965-03-21		1344	1965-03-21	C	1965-03-20 23:35:05	1965-03-20 12:08:02	1344	1965-03-21	C	1965-03-20 23:34:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1964-03-21		1343	1964-03-21	C	1964-03-20 17:40:01	1964-03-20 12:07:58	1343	1964-03-21	C	1964-03-20 17:39:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1963-03-21	LL	1342	1963-03-21	L	1963-03-21 11:49:57	1963-03-21 12:07:54	1342	1963-03-21	L	1963-03-21 11:49:00	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L FALSE	FALSE	1963-03-21 11:49:45	1963-03-21 12:07:28	1963-03-21
1962-03-21		1341	1962-03-21	C	1962-03-21 05:59:54	1962-03-21 12:07:50	1341	1962-03-21	C	1962-03-21 05:59:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	L FALSE	FALSE			
1961-03-21		1340	1961-03-21	C	1961-03-21 00:02:33	1961-03-21 12:07:46	1340	1961-03-21	C	1961-03-21 00:01:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1960-03-21		1339	1960-03-21	C	1960-03-20 18:12:38	1960-03-20 12:08:00	1339	1960-03-21	C	1960-03-20 18:12:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1959-03-22		1338	1959-03-22	C	1959-03-21 12:25:07	1959-03-21 12:07:55	1338	1959-03-22	C	1959-03-21 12:24:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1958-03-21	L	1337	1958-03-21	L	1958-03-21 06:35:39	1958-03-21 12:07:50	1337	1958-03-21	L	1958-03-21 06:35:00	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1957-03-21		1336	1957-03-21	C	1957-03-21 00:46:49	1957-03-21 12:07:46	1336	1957-03-21	C	1957-03-21 00:46:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1956-03-21		1335	1956-03-21	C	1956-03-20 18:51:10	1956-03-20 12:08:00	1335	1956-03-21	C	1956-03-20 18:50:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1955-03-22		1334	1955-03-22	C	1955-03-21 13:05:29	1955-03-21 12:07:55	1334	1955-03-22	C	1955-03-21 13:05:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1954-03-21	L	1333	1954-03-21	L	1954-03-21 07:23:17	1954-03-21 12:07:50	1333	1954-03-21	L	1954-03-21 07:23:00	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1953-03-21		1332	1953-03-21	C	1953-03-21 01:30:56	1953-03-21 12:07:46	1332	1953-03-21	C	1953-03-21 01:30:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1952-03-21		1331	1952-03-21	C	1952-03-20 19:43:34	1952-03-20 12:08:00	1331	1952-03-21	C	1952-03-20 19:43:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1951-03-22		1330	1951-03-22	C	1951-03-21 13:56:12	1951-03-21 12:07:56	1330	1951-03-22	C	1951-03-21 13:55:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1950-03-21	L	1329	1950-03-21	L	1950-03-21 08:05:08	1950-03-21 12:07:52	1329	1950-03-21	L	1950-03-21 08:05:00	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1949-03-21		1328	1949-03-21	C	1949-03-21 02:18:28	1949-03-21 12:07:48	1328	1949-03-21	C	1949-03-21 02:17:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1948-03-21		1327	1948-03-21	C	1948-03-20 20:27:18	1948-03-20 12:08:02	1327	1948-03-21	C	1948-03-20 20:26:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1947-03-22		1326	1947-03-22	C	1947-03-21 14:43:02	1947-03-21 12:07:57	1326	1947-03-22	C	1947-03-21 14:42:00	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1946-03-21	L	1325	1946-03-21	L	1946-03-21 09:02:43	1946-03-21 12:07:52	1325	1946-03-21	L	1946-03-21 09:02:00	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1945-03-21		1324	1945-03-21	C	1945-03-21 03:07:42	1945-03-21 12:07:48	1324	1945-03-21	C	1945-03-21 03:06:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1944-03-21		1323	1944-03-21	C	1944-03-20 21:18:31	1944-03-20 12:08:02	1323	1944-03-21	C	1944-03-20 21:18:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1943-03-22		1322	1943-03-22	C	1943-03-21 15:32:47	1943-03-21 12:07:57	1322	1943-03-22	C	1943-03-21 15:32:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1942-03-21	L	1321	1942-03-21	L	1942-03-21 09:40:15	1942-03-21 12:07:53	1321	1942-03-21	L	1942-03-21 09:40:16	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1941-03-21		1320	1941-03-21	C	1941-03-21 03:50:52	1941-03-21 12:07:48	1320	1941-03-21	C	1941-03-21 03:50:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1940-03-21		1319	1940-03-21	C	1940-03-20 21:53:54	1940-03-20 12:08:03	1319	1940-03-21	C	1940-03-20 21:53:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1939-03-22		1318	1939-03-22	C	1939-03-21 15:58:40	1939-03-21 12:07:59	1318	1939-03-22	C	1939-03-21 15:58:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1938-03-21	L	1317	1938-03-21	L	1938-03-21 10:13:14	1938-03-21 12:07:54	1317	1938-03-21	L	1938-03-21 10:12:16	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1937-03-21		1316	1937-03-21	C	1937-03-21 04:15:25	1937-03-21 12:07:49	1316	1937-03-21	C	1937-03-21 04:14:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1936-03-21		1315	1936-03-21	C	1936-03-20 22:27:35	1936-03-20 12:08:04	1315	1936-03-21	C	1936-03-20 22:27:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1935-03-22		1314	1935-03-22	C	1935-03-21 16:47:57	1935-03-21 12:07:59	1314	1935-03-22	C	1935-03-21 16:47:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1934-03-21	L	1313	1934-03-21	L	1934-03-21 10:57:32	1934-03-21 12:07:55	1313	1934-03-21	L	1934-03-21 10:57:16	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1933-03-21		1312	1933-03-21	C	1933-03-21 05:13:29	1933-03-21 12:07:50	1312	1933-03-21	C	1933-03-21 05:12:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1932-03-21		1311	1932-03-21	C	1932-03-20 23:23:56	1932-03-20 12:08:04	1311	1932-03-21	C	1932-03-20 23:23:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1931-03-22		1310	1931-03-22	C	1931-03-21 17:36:24	1931-03-21 12:07:59	1310	1931-03-22	C	1931-03-21 17:36:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1930-03-21	LL	1309	1930-03-21	L	1930-03-21 11:59:54	1930-03-21 12:07:54	1309	1930-03-21	L	1930-03-21 11:59:16	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L FALSE	FALSE	1930-03-21 11:59:57	1930-03-21 12:07:28	1930-03-21
1929-03-21		1308	1929-03-21	C	1929-03-21 06:05:33	1929-03-21 12:07:51	1308	1929-03-21	C	1929-03-21 06:04:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	L FALSE	FALSE			
1928-03-21		1307	1928-03-21	C	1928-03-21 00:14:04	1928-03-21 12:07:47	1307	1928-03-21	C	1928-03-21 00:13:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1927-03-22		1306	1927-03-22	C	1927-03-21 18:29:29	1927-03-21 12:08:00	1306	1927-03-22	C	1927-03-21 18:28:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1926-03-22		1305	1926-03-22	C	1926-03-21 12:31:06	1926-03-21 12:07:57	1305	1926-03-22	C	1926-03-21 12:30:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1925-03-21	L	1304	1925-03-21	L	1925-03-21 06:42:11	1925-03-21 12:07:52	1304	1925-03-21	L	1925-03-21 06:41:16	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1924-03-21		1303	1924-03-21	C	1924-03-21 00:50:36	1924-03-21 12:07:48	1303	1924-03-21	C	1924-03-21 00:49:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1923-03-22		1302	1923-03-22	C	1923-03-21 18:58:56	1923-03-21 12:08:02	1302	1923-03-22	C	1923-03-21 18:58:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1922-03-22		1301	1922-03-22	C	1922-03-21 13:18:28	1922-03-21 12:07:56	1301	1922-03-22	C	1922-03-21 13:18:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1921-03-21	L	1300	1921-03-21	L	1921-03-21 07:21:46	1921-03-21 12:07:53	1300	1921-03-21	L	1921-03-21 07:20:16	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE	L TRUE	TRUE			
1920-03-21		1299	1920-03-21	C	1920-03-21 01:29:11	1920-03-21 12:07:48	1299	1920-03-21	C	1920-03-21 01:28:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			
1919-03-22		1298	1919-03-22	C	1919-03-21 19:49:28	1919-03-21 12:08:01	1298	1919-03-22	C	1919-03-21 19:48:16	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE	C TRUE	TRUE			

Wide comparison table of Nowruz dates and vernal equinox / sun transit computations across multiple software sources and calendar methods.

Nowruz date (calendar.ut.ac.ir)		Persian year	Nowruz vs sun transit (Greg) [Kstars]	L/C	Vernal Equinox [Kstars]	Sun Transit noon time [Kstars]	Persian year	Nowruz vs sun transit (Greg) [t&d]	L/C	Vernal Equinox [timeanddate.com]		Sayyad vs kstars	Sayyad vs t&d		Birashk vs kstars	Birashk vs t&d		Akrami vs kstars	Akrami vs t&d		Malekzadeh vs kstars	Malekzadeh vs t&d		Abdollahi vs kstars	Abdollahi vs t&d		Kaveh vs kstars	Kaveh vs t&d	Vernal Equinox [Accurate]	Sun Transit noon time [Accurate]	Nowruz vs sun transit (Greg) [Accurate]
1918-03-22		1297	1918-03-22	C	1918-03-21 13:55:54	1918-03-21 12:07:57	1297	1918-03-22	C	1918-03-21 13:55:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1917-03-21	L	1296	1917-03-21	L	1917-03-21 08:07:35	1917-03-21 12:07:52	1296	1917-03-21	L	1917-03-21 08:07:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1916-03-21		1295	1916-03-21	C	1916-03-21 02:17:06	1916-03-21 12:07:49	1295	1916-03-21	C	1916-03-21 02:16:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1915-03-22		1294	1915-03-22	C	1915-03-21 20:21:35	1915-03-21 12:08:03	1294	1915-03-22	C	1915-03-21 20:21:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1914-03-22		1293	1914-03-22	C	1914-03-21 14:40:57	1914-03-21 12:07:58	1293	1914-03-22	C	1914-03-21 14:40:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1913-03-21	L	1292	1913-03-21	L	1913-03-21 08:48:34	1913-03-21 12:07:55	1292	1913-03-21	L	1913-03-21 08:47:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1912-03-21		1291	1912-03-21	C	1912-03-21 02:59:14	1912-03-21 12:07:51	1291	1912-03-21	C	1912-03-21 02:59:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1911-03-22		1290	1911-03-22	C	1911-03-21 21:24:38	1911-03-21 12:08:03	1290	1911-03-22	C	1911-03-21 21:23:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1910-03-22		1289	1910-03-22	C	1910-03-21 15:33:02	1910-03-21 12:07:59	1289	1910-03-22	C	1910-03-21 15:32:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1909-03-21	L	1288	1909-03-21	L	1909-03-21 09:43:44	1909-03-21 12:07:55	1288	1909-03-21	L	1909-03-21 09:42:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1908-03-21		1287	1908-03-21	C	1908-03-21 03:57:25	1908-03-21 12:07:50	1287	1908-03-21	C	1908-03-21 03:57:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1907-03-22		1286	1907-03-22	C	1907-03-21 22:03:06	1907-03-21 12:08:04	1286	1907-03-22	C	1907-03-21 22:02:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1906-03-22		1285	1906-03-22	C	1906-03-21 16:22:55	1906-03-21 12:07:58	1285	1906-03-22	C	1906-03-21 16:22:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1905-03-21	L	1284	1905-03-21	L	1905-03-21 10:27:49	1905-03-21 12:07:55	1284	1905-03-21	L	1905-03-21 10:27:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1904-03-21		1283	1904-03-21	C	1904-03-21 04:28:18	1904-03-21 12:07:52	1283	1904-03-21	C	1904-03-21 04:28:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1903-03-22		1282	1903-03-22	C	1903-03-21 22:45:20	1903-03-21 12:08:04	1282	1903-03-22	C	1903-03-21 22:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1902-03-22		1281	1902-03-22	C	1902-03-21 16:46:46	1902-03-21 12:08:01	1281	1902-03-22	C	1902-03-21 16:46:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1901-03-21	L	1280	1901-03-21	L	1901-03-21 10:53:54	1901-03-21 12:07:57	1280	1901-03-21	L	1901-03-21 10:53:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	**FALSE**	**FALSE**	1901-03-21 10:53:48	1901-03-21 12:07:30	1901-03-21
1900-03-21		1279	1900-03-21	C	1900-03-21 05:09:10	1900-03-21 12:07:52	1279	1900-03-21	C	1900-03-21 05:08:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	L	**FALSE**	**FALSE**			
1899-03-21		1278	1899-03-21	C	1899-03-20 23:16:00	1899-03-20 12:08:06	1278	1899-03-21	C	1899-03-20 23:15:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1898-03-21		1277	1898-03-21	C	1898-03-20 17:36:24	1898-03-20 12:08:00	1277	1898-03-21	C	1898-03-20 17:36:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1897-03-20	LL	1276	1897-03-20	L	1897-03-20 11:46:24	1897-03-20 12:07:57	1276	1897-03-20	L	1897-03-20 11:45:16	L	TRUE	TRUE	L	**FALSE**	**FALSE**	C	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	**FALSE**	**FALSE**	1897-03-20 11:47:01	1897-03-20 12:07:30	1897-03-20
1896-03-20		1275	1896-03-20	C	1896-03-20 05:52:50	1896-03-20 12:07:53	1275	1896-03-20	C	1896-03-20 05:53:16	L	TRUE	TRUE	L	**FALSE**	**FALSE**	C	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	**FALSE**	**FALSE**			
1895-03-21		1274	1895-03-21	C	1895-03-21 00:19:27	1895-03-21 12:07:47	1274	1895-03-21	C	1895-03-21 00:18:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1894-03-21		1273	1894-03-21	C	1894-03-20 18:29:29	1894-03-20 12:08:01	1273	1894-03-21	C	1894-03-20 18:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1893-03-21		1272	1893-03-21	C	1893-03-20 12:38:19	1893-03-20 12:07:57	1272	1893-03-21	C	1893-03-20 12:38:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1892-03-20	L	1271	1892-03-20	L	1892-03-20 06:52:16	1892-03-20 12:07:53	1271	1892-03-20	L	1892-03-20 06:51:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1891-03-21		1270	1891-03-21	C	1891-03-21 00:55:34	1891-03-21 12:07:50	1270	1891-03-21	C	1891-03-21 00:54:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1890-03-21		1269	1890-03-21	C	1890-03-20 19:10:55	1890-03-20 12:08:03	1269	1890-03-21	C	1890-03-20 19:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1889-03-21		1268	1889-03-21	C	1889-03-20 13:21:07	1889-03-20 12:07:59	1268	1889-03-21	C	1889-03-20 13:20:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1888-03-20	L	1267	1888-03-20	L	1888-03-20 07:25:49	1888-03-20 12:07:55	1267	1888-03-20	L	1888-03-20 07:25:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1887-03-21		1266	1887-03-21	C	1887-03-21 01:48:43	1887-03-21 12:07:49	1266	1887-03-21	C	1887-03-21 01:48:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1886-03-21		1265	1886-03-21	C	1886-03-20 19:56:33	1886-03-20 12:08:03	1265	1886-03-21	C	1886-03-20 19:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1885-03-21		1264	1885-03-21	C	1885-03-20 13:59:52	1885-03-20 12:07:59	1264	1885-03-21	C	1885-03-20 13:59:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1884-03-20	L	1263	1884-03-20	L	1884-03-20 08:14:43	1884-03-20 12:07:54	1263	1884-03-20	L	1884-03-20 08:14:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1883-03-21		1262	1883-03-21	C	1883-03-21 02:20:14	1883-03-21 12:07:50	1262	1883-03-21	C	1883-03-21 02:19:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1882-03-21		1261	1882-03-21	C	1882-03-20 20:34:36	1882-03-20 12:08:03	1261	1882-03-21	C	1882-03-20 20:34:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1881-03-21		1260	1881-03-21	C	1881-03-20 14:43:58	1881-03-20 12:07:59	1260	1881-03-21	C	1881-03-20 14:43:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1880-03-20	L	1259	1880-03-20	L	1880-03-20 08:43:39	1880-03-20 12:07:56	1259	1880-03-20	L	1880-03-20 08:43:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1879-03-21		1258	1879-03-21	C	1879-03-21 03:02:11	1879-03-21 12:07:51	1258	1879-03-21	C	1879-03-21 03:01:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1878-03-21		1257	1878-03-21	C	1878-03-20 21:12:26	1878-03-20 12:08:05	1257	1878-03-21	C	1878-03-20 21:12:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1877-03-21		1256	1877-03-21	C	1877-03-20 15:18:26	1877-03-20 12:08:02	1256	1877-03-21	C	1877-03-20 15:17:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1876-03-20	L	1255	1876-03-20	L	1876-03-20 09:40:16	1876-03-20 12:07:56	1255	1876-03-20	L	1876-03-20 09:39:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1875-03-21		1254	1875-03-21	C	1875-03-21 03:51:31	1875-03-21 12:07:52	1254	1875-03-21	C	1875-03-21 03:50:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1874-03-21		1253	1874-03-21	C	1874-03-20 22:08:05	1874-03-20 12:08:05	1253	1874-03-21	C	1874-03-20 22:07:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1873-03-21		1252	1873-03-21	C	1873-03-20 16:22:39	1873-03-20 12:08:01	1252	1873-03-21	C	1873-03-20 16:21:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1872-03-20	L	1251	1872-03-20	L	1872-03-20 10:27:27	1872-03-20 12:07:57	1251	1872-03-20	L	1872-03-20 10:27:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1871-03-21		1250	1871-03-21	C	1871-03-21 04:50:03	1871-03-21 12:07:51	1250	1871-03-21	C	1871-03-21 04:49:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1870-03-21		1249	1870-03-21	C	1870-03-20 23:01:50	1870-03-20 12:08:05	1249	1870-03-21	C	1870-03-20 23:01:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1869-03-21		1248	1869-03-21	C	1869-03-20 17:02:09	1869-03-20 12:08:02	1248	1869-03-21	C	1869-03-20 17:01:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1868-03-20	L	1247	1868-03-20	L	1868-03-20 11:13:46	1868-03-20 12:07:57	1247	1868-03-20	L	1868-03-20 11:13:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	**FALSE**	**FALSE**	1868-03-20 11:13:46	1868-03-20 12:07:31	1868-03-20
1867-03-21		1246	1867-03-21	C	1867-03-21 05:16:37	1867-03-21 12:07:54	1246	1867-03-21	C	1867-03-21 05:16:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE	L	**FALSE**	**FALSE**			
1866-03-21		1245	1866-03-21	C	1866-03-20 23:24:28	1866-03-20 12:08:07	1245	1866-03-21	C	1866-03-20 23:24:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1865-03-21		1244	1865-03-21	C	1865-03-20 17:36:00	1865-03-20 12:08:03	1244	1865-03-21	C	1865-03-20 17:35:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1864-03-20	LL	1243	1864-03-20	L	1864-03-20 11:39:51	1864-03-20 12:07:59	1243	1864-03-20	L	1864-03-20 11:39:16	L	TRUE	TRUE	C	**FALSE**	**FALSE**	L	**FALSE**	**FALSE**	L	TRUE	TRUE	C	**FALSE**	**FALSE**		**FALSE**	**FALSE**	1864-03-20 11:40:43	1864-03-20 12:07:33	1864-03-20
1863-03-21		1242	1863-03-21	C	1863-03-21 05:59:51	1863-03-21 12:07:53	1242	1863-03-21	C	1863-03-21 05:59:16	L	**FALSE**	**FALSE**	L	**FALSE**	**FALSE**	C	TRUE	TRUE	L	TRUE	TRUE	L	**FALSE**	**FALSE**		**FALSE**	**FALSE**			
1862-03-21		1241	1862-03-21	C	1862-03-21 00:12:38	1862-03-21 12:07:49	1241	1862-03-21	C	1862-03-21 00:12:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1861-03-21		1240	1861-03-21	C	1861-03-20 18:16:26	1861-03-20 12:08:04	1240	1861-03-21	C	1861-03-20 18:15:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1860-03-21		1239	1860-03-21	C	1860-03-20 12:34:17	1860-03-20 12:07:58	1239	1860-03-21	C	1860-03-20 12:34:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1859-03-21	L	1238	1859-03-21	L	1859-03-21 06:48:23	1859-03-21 12:07:54	1238	1859-03-21	L	1859-03-21 06:47:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1858-03-21		1237	1858-03-21	C	1858-03-21 01:01:20	1858-03-21 12:07:49	1237	1858-03-21	C	1858-03-21 01:01:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1857-03-21		1236	1857-03-21	C	1857-03-20 19:14:59	1857-03-20 12:07:49	1236	1857-03-21	C	1857-03-20 19:14:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1856-03-21		1235	1856-03-21	C	1856-03-20 13:19:04	1856-03-20 12:08:00	1235	1856-03-21	C	1856-03-20 13:18:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1855-03-21	L	1234	1855-03-21	L	1855-03-21 07:35:07	1855-03-21 12:07:55	1234	1855-03-21	L	1855-03-21 07:34:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1854-03-21		1233	1854-03-21	C	1854-03-21 01:49:33	1854-03-21 12:07:51	1233	1854-03-21	C	1854-03-21 01:49:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1853-03-21		1232	1853-03-21	C	1853-03-20 19:53:54	1853-03-20 12:08:06	1232	1853-03-21	C	1853-03-20 19:53:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1852-03-21		1231	1852-03-21	C	1852-03-20 14:10:50	1852-03-20 12:08:00	1231	1852-03-21	C	1852-03-20 14:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1851-03-21	L	1230	1851-03-21	L	1851-03-21 08:23:47	1851-03-21 12:07:56	1230	1851-03-21	L	1851-03-21 08:23:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1850-03-21		1229	1850-03-21	C	1850-03-21 02:31:37	1850-03-21 12:07:51	1229	1850-03-21	C	1850-03-21 02:31:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1849-03-21		1228	1849-03-21	C	1849-03-20 20:42:19	1849-03-20 12:08:05	1228	1849-03-21	C	1849-03-20 20:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1848-03-21		1227	1848-03-21	C	1848-03-20 14:47:35	1848-03-20 12:08:01	1227	1848-03-21	C	1848-03-20 14:47:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1847-03-21	L	1226	1847-03-21	L	1847-03-21 09:02:08	1847-03-21 12:07:57	1226	1847-03-21	L	1847-03-21 09:01:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1846-03-21		1225	1846-03-21	C	1846-03-21 03:15:13	1846-03-21 12:07:51	1225	1846-03-21	C	1846-03-21 03:15:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1845-03-21		1224	1845-03-21	C	1845-03-20 21:14:04	1845-03-20 12:08:06	1224	1845-03-21	C	1845-03-20 21:12:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1844-03-21		1223	1844-03-21	C	1844-03-20 15:23:50	1844-03-20 12:08:02	1223	1844-03-21	C	1844-03-20 15:23:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1843-03-21	L	1222	1843-03-21	L	1843-03-21 09:34:16	1843-03-21 12:07:58	1222	1843-03-21	L	1843-03-21 09:33:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE			
1842-03-21		1221	1842-03-21	C	1842-03-21 03:42:58	1842-03-21 12:07:54	1221	1842-03-21	C	1842-03-21 03:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			

Table: Comparison of Nowruz dates and vernal equinox / sun-transit times across several calendar sources.

Nowruz date (calendar.ut.ac.ir)	mark	Persian year (Kstars)	Nowruz vs sun transit (Greg)	ref	Vernal Equinox (Kstars)	Sun Transit noon time (Kstars)	Persian year (t&d)	Nowruz vs sun transit (Greg)	ref	Vernal Equinox (t&d)	c	Sayyad vs kstars	Sayyad vs t&d	c	Birashk vs kstars	Birashk vs t&d	c	Akrami vs kstars	Akrami vs t&d	c	Malekzadeh vs kstars	Malekzadeh vs t&d	c	Abdollahi vs kstars	Abdollahi vs t&d	c	Kaveh vs kstars	Kaveh vs t&d	Vernal Equinox (Accurate)	Sun Transit noon time (Accurate)	Nowruz vs sun transit (Accurate)
1841-03-21		1220	1841-03-21	C	1841-03-20 21:57:59	1841-03-20 12:08:07	1220	1841-03-21	C	1841-03-20 21:57:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1840-03-21		1219	1840-03-21	C	1840-03-20 16:10:22	1840-03-20 12:08:03	1219	1840-03-21	C	1840-03-20 16:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1839-03-21	L	1218	1839-03-21	L	1839-03-21 10:29:28	1839-03-21 12:07:58	1218	1839-03-21	L	1839-03-21 10:28:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
1838-03-21		1217	1838-03-21	C	1838-03-21 04:46:49	1838-03-21 12:07:53	1217	1838-03-21	C	1838-03-21 04:46:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1837-03-21		1216	1837-03-21	C	1837-03-20 22:53:27	1837-03-20 12:08:08	1216	1837-03-21	C	1837-03-20 22:52:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1836-03-21		1215	1836-03-21	C	1836-03-20 17:08:47	1836-03-20 12:08:03	1215	1836-03-21	C	1836-03-20 17:08:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1835-03-21		1214	1835-03-21	L	1835-03-21 11:25:34	1835-03-21 12:07:58	1214	1835-03-21	L	1835-03-21 11:25:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE		FALSE	FALSE	1835-03-21 11:25:40	1835-03-21 12:07:31	1835-03-21
1834-03-21		1213	1834-03-21	C	1834-03-21 05:34:11	1834-03-21 12:07:54	1213	1834-03-21	C	1834-03-21 05:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE			
1833-03-21		1212	1833-03-21	C	1833-03-20 23:41:39	1833-03-20 12:08:08	1212	1833-03-21	C	1833-03-20 23:41:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1832-03-21		1211	1832-03-21	C	1832-03-20 17:46:19	1832-03-20 12:08:04	1211	1832-03-21	C	1832-03-20 17:46:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1831-03-21	LL	1210	1831-03-21	L	1831-03-21 11:56:17	1831-03-21 12:08:00	1210	1831-03-21	L	1831-03-21 11:55:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE		FALSE	FALSE	1831-03-21 11:56:43	1831-03-21 12:07:33	1831-03-21
1830-03-21		1209	1830-03-21	C	1830-03-21 06:07:04	1830-03-21 12:07:55	1209	1830-03-21	C	1830-03-21 06:06:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE		FALSE	FALSE			
1829-03-21		1208	1829-03-21	C	1829-03-21 00:12:19	1829-03-21 12:07:52	1208	1829-03-21	C	1829-03-21 00:11:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1828-03-21		1207	1828-03-21	C	1828-03-20 18:23:02	1828-03-20 12:08:05	1207	1828-03-21	C	1828-03-20 18:22:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
1827-03-22		1206	1827-03-22	C	1827-03-21 12:38:04	1827-03-21 12:08:00	1206	1827-03-22	C	1827-03-21 12:37:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1205	1826-03-21	L	1826-03-21 06:46:16	1826-03-21 12:07:56	1205	1826-03-21	L	1826-03-21 06:45:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1204	1825-03-21	C	1825-03-21 00:55:07	1825-03-21 12:07:51	1204	1825-03-21	C	1825-03-21 00:55:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1203	1824-03-21	C	1824-03-20 19:08:31	1824-03-20 12:08:05	1203	1824-03-21	C	1824-03-20 19:08:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1202	1823-03-22	C	1823-03-21 13:24:35	1823-03-21 12:08:00	1202	1823-03-22	C	1823-03-21 13:24:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1201	1822-03-21	L	1822-03-21 07:38:52	1822-03-21 12:07:55	1201	1822-03-21	L	1822-03-21 07:38:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1200	1821-03-21	C	1821-03-21 01:45:10	1821-03-21 12:07:52	1200	1821-03-21	C	1821-03-21 01:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1199	1820-03-21	C	1820-03-20 19:53:33	1820-03-20 12:08:06	1199	1820-03-21	C	1820-03-20 19:53:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1198	1819-03-22	C	1819-03-21 14:08:33	1819-03-21 12:08:02	1198	1819-03-22	C	1819-03-21 14:07:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1197	1818-03-21	L	1818-03-21 08:19:47	1818-03-21 12:07:58	1197	1818-03-21	L	1818-03-21 08:19:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1196	1817-03-21	C	1817-03-21 02:30:03	1817-03-21 12:07:54	1196	1817-03-21	C	1817-03-21 02:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1195	1816-03-21	C	1816-03-20 20:45:45	1816-03-20 12:08:07	1195	1816-03-21	C	1816-03-20 20:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1194	1815-03-22	C	1815-03-21 15:00:36	1815-03-21 12:08:02	1194	1815-03-22	C	1815-03-21 14:59:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1193	1814-03-21	L	1814-03-21 09:12:25	1814-03-21 12:07:57	1193	1814-03-21	L	1814-03-21 09:12:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1192	1813-03-21	C	1813-03-21 03:19:38	1813-03-21 12:07:53	1192	1813-03-21	C	1813-03-21 03:19:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1191	1812-03-21	C	1812-03-20 21:29:04	1812-03-20 12:08:07	1191	1812-03-21	C	1812-03-20 21:28:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1190	1811-03-22	C	1811-03-21 15:42:44	1811-03-21 12:08:02	1190	1811-03-22	C	1811-03-21 15:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1189	1810-03-21	L	1810-03-21 09:50:29	1810-03-21 12:07:58	1189	1810-03-21	L	1810-03-21 09:50:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1188	1809-03-21	C	1809-03-21 03:51:39	1809-03-21 12:07:55	1188	1809-03-21	C	1809-03-21 03:51:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1187	1808-03-20	C	1808-03-20 21:59:35	1808-03-20 12:08:09	1187	1808-03-20	C	1808-03-20 21:59:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1186	1807-03-22	C	1807-03-21 16:11:45	1807-03-21 12:08:04	1186	1807-03-22	C	1807-03-21 16:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1185	1806-03-21	L	1806-03-21 10:21:56	1806-03-21 12:07:55	1185	1806-03-21	L	1806-03-21 10:21:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1184	1805-03-21	C	1805-03-21 04:34:11	1805-03-21 12:07:55	1184	1805-03-21	C	1805-03-21 04:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1183	1804-03-21	C	1804-03-20 22:47:12	1804-03-20 12:08:09	1183	1804-03-21	C	1804-03-20 22:46:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1182	1803-03-22	C	1803-03-21 17:03:34	1803-03-21 12:08:04	1182	1803-03-22	C	1803-03-21 17:03:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1181	1802-03-21	L	1802-03-21 11:17:53	1802-03-21 12:08:00	1181	1802-03-21	L	1802-03-21 11:17:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE		FALSE	FALSE	1802-03-21 11:18:13	1802-03-21 12:07:33	1802-03-21
		1180	1801-03-21	C	1801-03-21 05:25:25	1801-03-21 12:07:56	1180	1801-03-21	C	1801-03-21 05:25:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE			
		1179	1800-03-21	C	1800-03-20 23:41:49	1800-03-20 12:08:09	1179	1800-03-21	C	1800-03-20 23:41:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1178	1799-03-21	C	1799-03-20 18:01:03	1799-03-20 12:08:04	1178	1799-03-21	C	1799-03-20 18:00:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1177	1798-03-21	C	1798-03-20 12:09:01	1798-03-20 12:08:00	1177	1798-03-21	C	1798-03-20 12:08:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1176	1797-03-20	L	1797-03-20 06:17:41	1797-03-20 12:07:56	1176	1797-03-20	L	1797-03-20 06:16:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1175	1796-03-21	C	1796-03-20 00:23:53	1796-03-20 12:07:53	1175	1796-03-21	C	1796-03-20 00:23:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1174	1795-03-21	C	1795-03-20 18:33:47	1795-03-20 12:08:06	1174	1795-03-21	C	1795-03-20 18:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1173	1794-03-21	C	1794-03-20 12:46:11	1794-03-20 12:08:02	1173	1794-03-21	C	1794-03-20 12:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1172	1793-03-20	L	1793-03-20 06:49:51	1793-03-20 12:07:58	1172	1793-03-20	L	1793-03-20 06:49:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1171	1792-03-20	C	1792-03-20 01:02:43	1792-03-20 12:07:53	1171	1792-03-20	C	1792-03-20 01:02:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1170	1791-03-21	C	1791-03-20 19:18:44	1791-03-20 12:08:06	1170	1791-03-21	C	1791-03-20 19:18:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1169	1790-03-21	C	1790-03-20 13:23:57	1790-03-20 12:08:02	1169	1790-03-21	C	1790-03-20 13:23:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1168	1789-03-20	L	1789-03-20 07:34:47	1789-03-20 12:07:57	1168	1789-03-20	L	1789-03-20 07:34:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1167	1788-03-20	C	1788-03-20 01:46:29	1788-03-20 12:07:53	1167	1788-03-20	C	1788-03-20 01:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1166	1787-03-21	C	1787-03-20 19:58:14	1787-03-20 12:08:06	1166	1787-03-21	C	1787-03-20 19:58:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1165	1786-03-21	C	1786-03-20 14:11:34	1786-03-20 12:08:02	1165	1786-03-21	C	1786-03-20 14:11:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1164	1785-03-20	L	1785-03-20 08:12:47	1785-03-20 12:07:59	1164	1785-03-20	L	1785-03-20 08:12:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1163	1784-03-20	C	1784-03-20 02:23:32	1784-03-20 12:07:55	1163	1784-03-20	C	1784-03-20 02:22:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1162	1783-03-21	C	1783-03-20 20:42:39	1783-03-20 12:08:08	1162	1783-03-21	C	1783-03-20 20:41:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1161	1782-03-21	C	1782-03-20 14:51:58	1782-03-20 12:08:04	1161	1782-03-21	C	1782-03-20 14:51:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1160	1781-03-20	L	1781-03-20 09:07:15	1781-03-20 12:08:00	1160	1781-03-20	L	1781-03-20 09:06:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1159	1780-03-20	C	1780-03-20 03:23:58	1780-03-20 12:07:56	1159	1780-03-20	C	1780-03-20 03:23:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1158	1779-03-21	C	1779-03-20 21:35:28	1779-03-20 12:08:08	1158	1779-03-21	C	1779-03-20 21:35:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1157	1778-03-21	C	1778-03-20 15:51:04	1778-03-20 12:08:04	1157	1778-03-21	C	1778-03-20 15:50:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1156	1777-03-20	L	1777-03-20 09:55:53	1777-03-20 12:08:00	1156	1777-03-20	L	1777-03-20 09:55:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1155	1776-03-20	C	1776-03-20 04:06:41	1776-03-20 12:07:55	1155	1776-03-20	C	1776-03-20 04:06:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1154	1775-03-21	C	1775-03-20 22:25:53	1775-03-20 12:08:08	1154	1775-03-21	C	1775-03-20 22:25:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1153	1774-03-21	C	1774-03-20 16:26:35	1774-03-20 12:08:05	1153	1774-03-21	C	1774-03-20 16:25:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1152	1773-03-20	L	1773-03-20 10:31:17	1773-03-20 12:08:01	1152	1773-03-20	L	1773-03-20 10:30:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
		1151	1772-03-20	C	1772-03-20 04:40:33	1772-03-20 12:07:56	1151	1772-03-20	C	1772-03-20 04:39:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1150	1771-03-21	C	1771-03-20 22:45:28	1771-03-20 12:08:11	1150	1771-03-21	C	1771-03-20 22:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1149	1770-03-21	C	1770-03-20 17:00:24	1770-03-20 12:08:06	1149	1770-03-21	C	1770-03-20 17:00:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1148	1769-03-20	L	1769-03-20 11:07:04	1769-03-20 12:08:02	1148	1769-03-20	L	1769-03-20 11:06:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE		FALSE	FALSE			
		1147	1768-03-20	C	1768-03-20 05:17:44	1768-03-20 12:07:58	1147	1768-03-20	C	1768-03-20 05:17:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE			
		1146	1767-03-21	C	1767-03-20 23:41:24	1767-03-20 12:08:10	1146	1767-03-21	C	1767-03-20 23:41:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1145	1766-03-21	C	1766-03-20 17:47:10	1766-03-20 12:08:07	1145	1766-03-21	C	1766-03-20 17:46:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
		1144	1765-03-20	L	1765-03-20 12:00:31	1765-03-20 12:08:02	1144	1765-03-20	L	1765-03-20 12:00:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE		FALSE	FALSE			

Nowruz date	Persian year	Nowruz compared to sun transit by Gregorian calendar	Sun transit referenced Leap or common	Vernal Equinox	Sun Transit noon time	Persian year	Nowruz compared to sun transit by Gregorian calendar	Sun transit referenced Leap or common	Vernal Equinox	ref	Sayyad compare to kstars	Sayyad compare to timeanddate.com	ref	Birashk compare to kstars	Birashk compare to timeanddate.com	ref	Akrami compare to kstars	Akrami compare to timeanddate.com	ref	Malekzadeh compare to kstars	Malekzadeh compare to timeanddate.com	ref	Abdollahi compare to kstars	Abdollahi compare to timeanddate.com	ref	Kaveh compare to kstars	Kaveh compare to timeanddate.com	Vernal Equinox	Sun Transit noon time	Nowruz compared to sun transit by Gregorian calendar
	1143	1764-03-20	C	1764-03-20 06:20:39	1764-03-20 12:07:57	1143	1764-03-20	C	1764-03-20 06:20:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	1142	1763-03-21	C	1763-03-21 00:30:14	1763-03-21 12:07:53	1142	1763-03-21	C	1763-03-21 00:30:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1141	1762-03-21	C	1762-03-20 18:45:18	1762-03-20 12:08:06	1141	1762-03-21	C	1762-03-20 18:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1140	1761-03-21	C	1761-03-20 12:49:13	1761-03-20 12:08:03	1140	1761-03-21	C	1761-03-20 12:48:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1139	1760-03-20	L	1760-03-20 06:55:03	1760-03-20 12:08:00	1139	1760-03-20	L	1760-03-20 06:54:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	1138	1759-03-21	C	1759-03-21 01:16:29	1759-03-21 12:07:54	1138	1759-03-21	C	1759-03-21 01:16:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1137	1758-03-21	C	1758-03-20 19:21:22	1758-03-20 12:08:09	1137	1758-03-21	C	1758-03-20 19:20:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1136	1757-03-21	C	1757-03-20 13:30:24	1757-03-20 12:08:04	1136	1757-03-21	C	1757-03-20 13:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1135	1756-03-20	L	1756-03-20 07:47:46	1756-03-20 12:07:59	1135	1756-03-20	L	1756-03-20 07:47:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	1134	1755-03-21	C	1755-03-21 01:52:08	1755-03-21 12:07:55	1134	1755-03-21	C	1755-03-21 01:51:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1133	1754-03-21	C	1754-03-20 20:04:10	1754-03-20 12:08:08	1133	1754-03-21	C	1754-03-20 20:03:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1132	1753-03-21	C	1753-03-20 14:10:46	1753-03-20 12:08:04	1132	1753-03-21	C	1753-03-20 14:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1131	1752-03-20	L	1752-03-20 08:17:30	1752-03-20 12:07:59	1131	1752-03-20	L	1752-03-20 08:16:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	1130	1751-03-21	C	1751-03-21 02:38:37	1751-03-21 12:07:54	1130	1751-03-21	C	1751-03-21 02:37:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1129	1750-03-21	C	1750-03-20 20:41:45	1750-03-20 12:08:09	1129	1750-03-21	C	1750-03-20 20:40:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1128	1749-03-21	C	1749-03-20 14:45:13	1749-03-20 12:08:06	1128	1749-03-21	C	1749-03-20 14:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1127	1748-03-20	L	1748-03-20 09:03:53	1748-03-20 12:08:01	1127	1748-03-20	L	1748-03-20 09:03:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	1126	1747-03-21	C	1747-03-21 03:11:39	1747-03-21 12:07:57	1126	1747-03-21	C	1747-03-21 03:11:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1125	1746-03-21	C	1746-03-20 21:28:15	1746-03-20 12:08:10	1125	1746-03-21	C	1746-03-20 21:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1124	1745-03-21	C	1745-03-20 15:42:58	1745-03-20 12:08:06	1124	1745-03-21	C	1745-03-20 15:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1123	1744-03-20	L	1744-03-20 09:52:07	1744-03-20 12:08:02	1123	1744-03-20	L	1744-03-20 09:51:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	1122	1743-03-21	C	1743-03-21 04:17:00	1743-03-21 12:07:56	1122	1743-03-21	C	1743-03-21 04:16:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1121	1742-03-21	C	1742-03-20 22:25:01	1742-03-20 12:08:10	1121	1742-03-21	C	1742-03-20 22:24:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1120	1741-03-21	C	1741-03-20 16:31:34	1741-03-20 12:08:06	1120	1741-03-21	C	1741-03-20 16:31:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1119	1740-03-20	L	1740-03-20 10:53:15	1740-03-20 12:08:01	1119	1740-03-20	L	1740-03-20 10:52:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE			
	1118	1739-03-21	C	1739-03-21 04:57:36	1739-03-21 12:07:57	1118	1739-03-21	C	1739-03-21 04:57:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE			
	1117	1738-03-21	C	1738-03-20 23:03:42	1738-03-20 12:08:11	1117	1738-03-21	C	1738-03-20 23:03:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1116	1737-03-21	C	1737-03-20 17:09:21	1737-03-20 12:08:07	1116	1737-03-21	C	1737-03-20 17:09:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1115	1736-03-20	L	1736-03-20 11:09:00	1736-03-20 12:08:04	1115	1736-03-20	L	1736-03-20 11:07:16	C	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE			
	1114	1735-03-21	C	1735-03-21 05:28:59	1735-03-21 12:07:58	1114	1735-03-21	C	1735-03-21 05:28:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE			
	1113	1734-03-21	C	1734-03-20 23:36:12	1734-03-20 12:08:13	1113	1734-03-21	C	1734-03-20 23:35:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1112	1733-03-21	C	1733-03-20 17:41:16	1733-03-20 12:08:09	1112	1733-03-21	C	1733-03-20 17:40:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1111	1732-03-20	L	1732-03-20 12:03:27	1732-03-20 12:08:03	1111	1732-03-20	L	1732-03-20 12:02:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	C	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	1110	1731-03-21	C	1731-03-21 06:11:01	1731-03-21 12:07:59	1110	1731-03-21	C	1731-03-21 06:10:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	1109	1730-03-21	C	1730-03-21 00:22:01	1730-03-21 12:07:54	1109	1730-03-21	C	1730-03-21 00:21:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1108	1729-03-21	C	1729-03-20 18:37:38	1729-03-20 12:08:08	1108	1729-03-21	C	1729-03-20 18:37:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1107	1728-03-21	C	1728-03-20 12:46:07	1728-03-20 12:08:04	1107	1728-03-21	C	1728-03-20 12:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1106	1727-03-21	L	1727-03-21 07:08:16	1727-03-21 12:07:58	1106	1727-03-21	L	1727-03-21 07:07:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	1105	1726-03-21	C	1726-03-21 01:16:46	1726-03-21 12:07:55	1105	1726-03-21	C	1726-03-21 01:15:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1104	1725-03-21	C	1725-03-20 19:18:05	1725-03-20 12:08:10	1104	1725-03-21	C	1725-03-20 19:17:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1103	1724-03-21	C	1724-03-20 13:38:49	1724-03-20 12:08:05	1103	1724-03-21	C	1724-03-20 13:37:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1102	1723-03-21	L	1723-03-21 07:47:54	1723-03-21 12:08:01	1102	1723-03-21	L	1723-03-21 07:47:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	1101	1722-03-21	C	1722-03-21 01:57:05	1722-03-21 12:07:57	1101	1722-03-21	C	1722-03-21 01:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1100	1721-03-21	C	1721-03-20 20:11:44	1721-03-20 12:08:10	1100	1721-03-21	C	1721-03-20 20:11:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1099	1720-03-21	C	1720-03-20 14:17:21	1720-03-20 12:08:06	1099	1720-03-21	C	1720-03-20 14:16:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1098	1719-03-21	L	1719-03-21 08:34:13	1719-03-21 12:08:01	1098	1719-03-21	L	1719-03-21 08:33:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	1097	1718-03-21	C	1718-03-21 02:44:04	1718-03-21 12:07:56	1097	1718-03-21	C	1718-03-21 02:43:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1096	1717-03-20	C	1717-03-20 20:45:27	1717-03-20 12:08:11	1096	1717-03-20	C	1717-03-20 20:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1095	1716-03-20	C	1716-03-20 15:05:55	1716-03-20 12:08:05	1095	1716-03-20	C	1716-03-20 15:05:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1094	1715-03-21	C	1715-03-21 09:13:08	1715-03-21 12:08:01	1094	1715-03-21	L	1715-03-21 09:12:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	1093	1714-03-21	C	1714-03-21 03:14:19	1714-03-21 12:07:58	1093	1714-03-21	C	1714-03-21 03:13:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1092	1713-03-21	C	1713-03-20 21:25:14	1713-03-20 12:08:12	1092	1713-03-21	C	1713-03-20 21:24:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1091	1712-03-21	C	1712-03-20 15:30:13	1712-03-20 12:08:08	1091	1712-03-21	C	1712-03-20 15:28:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1090	1711-03-21	L	1711-03-21 09:49:09	1711-03-21 12:08:03	1090	1711-03-21	L	1711-03-21 09:48:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	1089	1710-03-21	C	1710-03-21 04:05:05	1710-03-21 12:07:58	1089	1710-03-21	C	1710-03-21 04:04:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1088	1709-03-21	C	1709-03-20 22:11:15	1709-03-20 12:08:13	1088	1709-03-21	C	1709-03-20 22:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1087	1708-03-21	C	1708-03-20 16:34:58	1708-03-20 12:08:07	1087	1708-03-21	C	1708-03-20 16:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1086	1707-03-21	L	1707-03-21 10:48:31	1707-03-21 12:08:02	1086	1707-03-21	L	1707-03-21 10:47:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE			
	1085	1706-03-21	C	1706-03-21 04:54:53	1706-03-21 12:07:59	1085	1706-03-21	C	1706-03-21 04:54:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE			
	1084	1705-03-20	C	1705-03-20 23:12:14	1705-03-20 12:08:12	1084	1705-03-20	C	1705-03-20 23:11:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1083	1704-03-21	C	1704-03-20 17:20:33	1704-03-20 12:08:08	1083	1704-03-21	C	1704-03-20 17:19:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1082	1703-03-21	L	1703-03-21 11:34:36	1703-03-21 12:07:59	1082	1703-03-21	L	1703-03-21 11:34:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	1081	1702-03-21	C	1702-03-21 05:42:39	1702-03-21 12:07:59	1081	1702-03-21	C	1702-03-21 05:41:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	1080	1701-03-20	C	1701-03-20 23:40:51	1701-03-20 12:08:15	1080	1701-03-21	C	1701-03-20 23:39:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1079	1700-03-20	C	1700-03-20 17:56:52	1700-03-20 12:08:09	1079	1700-03-20	C	1700-03-20 17:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1078	1699-03-21	C	1699-03-20 12:08:12	1699-03-20 12:08:05	1078	1699-03-20	L	1699-03-20 12:07:16	C	TRUE	FALSE	C	TRUE	FALSE	C	TRUE	FALSE	C	TRUE	FALSE	C	TRUE	FALSE	C	TRUE	FALSE	1699-03-20 12:08:24	1699-03-20 12:07:38	1699-03-21
	1077	1698-03-20		1698-03-20 06:11:53	1698-03-20 12:08:01	1077	1698-03-20	L	1698-03-20 06:10:16	L	TRUE	FALSE	L	TRUE	FALSE	L	TRUE	FALSE	L	TRUE	FALSE	L	TRUE	FALSE	L	TRUE	FALSE			
	1076	1697-03-20	C	1697-03-20 00:25:39	1697-03-20 12:07:56	1076	1697-03-20	C	1697-03-20 00:25:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1075	1696-03-21	C	1696-03-19 18:34:27	1696-03-19 12:08:10	1075	1696-03-20	C	1696-03-19 18:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1074	1695-03-21	C	1695-03-20 12:47:34	1695-03-20 12:08:05	1074	1695-03-21	C	1695-03-20 12:47:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1073	1694-03-20	L	1694-03-20 07:01:19	1694-03-20 12:08:00	1073	1694-03-20	L	1694-03-20 07:00:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	1072	1693-03-20	C	1693-03-20 01:07:26	1693-03-20 12:07:57	1072	1693-03-20	C	1693-03-20 01:06:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1071	1692-03-20	C	1692-03-19 19:27:06	1692-03-19 12:08:09	1071	1692-03-20	C	1692-03-19 19:26:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1070	1691-03-21	C	1691-03-20 13:41:01	1691-03-20 12:08:05	1070	1691-03-21	C	1691-03-20 13:40:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1069	1690-03-20	L	1690-03-20 07:42:59	1690-03-20 12:08:00	1069	1690-03-20	L	1690-03-20 07:41:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	1068	1689-03-20	C	1689-03-20 01:54:42	1689-03-20 12:07:58	1068	1689-03-20	C	1689-03-20 01:53:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	1067	1688-03-20	C	1688-03-19 20:07:10	1688-03-19 12:08:12	1067	1688-03-20	C	1688-03-19 20:06:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			

Legend: L/C = Sun transit referenced Leap or common. Comparison columns ("/k" = compare to kstars, "/td" = compare to timeanddate.com) show TRUE/FALSE. The per-group Leap/Common indicator letters that repeat across each row equal the row's L/C value and are omitted below for clarity.

PY	Nowruz (ut)	L/C	Kstars Vernal Equinox	Kstars Sun Transit noon	PY	Nowruz (t&d)	L/C	t&d Vernal Equinox	Sayyad/k	Sayyad/td	Birashk/k	Birashk/td	Akrami/k	Akrami/td	Malek/k	Malek/td	Abdol/k	Abdol/td	Kaveh/k	Kaveh/td	Acc Vernal Equinox	Acc Sun Transit noon	Acc Nowruz
1066	1687-03-21	C	1687-03-20 14:21:37	1687-03-20 12:08:07	1066	1687-03-21	C	1687-03-20 14:20:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1065	1686-03-20	L	1686-03-20 08:38:05	1686-03-20 12:08:02	1065	1686-03-20	L	1686-03-20 08:36:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1064	1685-03-20	C	1685-03-20 02:45:17	1685-03-20 12:07:58	1064	1685-03-20	C	1685-03-20 02:44:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1063	1684-03-20	C	1684-03-19 21:02:12	1684-03-19 12:08:11	1063	1684-03-20	C	1684-03-19 21:01:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1062	1683-03-21	C	1683-03-20 15:16:33	1683-03-20 12:08:06	1062	1683-03-21	C	1683-03-20 15:15:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1061	1682-03-20	L	1682-03-20 09:19:10	1682-03-20 12:08:03	1061	1682-03-20	L	1682-03-20 09:18:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1060	1681-03-20	C	1681-03-20 03:30:47	1681-03-20 12:07:58	1060	1681-03-20	C	1681-03-20 03:29:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1059	1680-03-21	C	1680-03-19 21:41:14	1680-03-19 12:08:12	1059	1680-03-21	C	1680-03-19 21:40:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1058	1679-03-21	C	1679-03-20 15:48:01	1679-03-20 12:08:08	1058	1679-03-21	C	1679-03-20 15:47:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1057	1678-03-20	L	1678-03-20 09:54:33	1678-03-20 12:08:04	1057	1678-03-20	L	1678-03-20 09:53:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1056	1677-03-20	C	1677-03-20 03:56:42	1677-03-20 12:08:00	1056	1677-03-20	C	1677-03-20 03:55:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1055	1676-03-20	C	1676-03-19 22:10:31	1676-03-19 12:08:14	1055	1676-03-20	C	1676-03-19 22:09:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1054	1675-03-21	C	1675-03-20 16:27:03	1675-03-20 12:08:09	1054	1675-03-21	C	1675-03-20 16:26:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1053	1674-03-20	L	1674-03-20 10:33:57	1674-03-20 12:08:05	1053	1674-03-20	L	1674-03-20 10:32:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE			
1052	1673-03-20	C	1673-03-20 04:48:17	1673-03-20 12:08:00	1052	1673-03-20	C	1673-03-20 04:47:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE			
1051	1672-03-21	C	1672-03-19 23:04:17	1672-03-19 12:08:14	1051	1672-03-21	C	1672-03-19 23:02:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1050	1671-03-21	C	1671-03-20 17:18:25	1671-03-20 12:08:09	1050	1671-03-21	C	1671-03-20 17:17:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1049	1670-03-20	L	1670-03-20 11:32:24	1670-03-20 12:08:05	1049	1670-03-20	L	1670-03-20 11:31:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
1048	1669-03-20	C	1669-03-20 05:44:27	1669-03-20 12:08:00	1048	1669-03-20	C	1669-03-20 05:43:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
1047	1668-03-20	C	1668-03-20 00:00:23	1668-03-20 12:07:55	1047	1668-03-19	L	1668-03-19 23:59:16	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	1668-03-20 00:00:01	1668-03-20 12:07:29	1668-03-20
1046	1667-03-20	C	1667-03-20 18:13:22	1667-03-20 12:08:09	1046	1667-03-20	C	1667-03-20 18:12:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1045	1666-03-21	C	1666-03-20 12:15:28	1666-03-20 12:08:06	1045	1666-03-21	C	1666-03-20 12:14:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1044	1665-03-20	L	1665-03-20 06:21:23	1665-03-20 12:08:02	1044	1665-03-20	L	1665-03-20 06:20:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1043	1664-03-20	C	1664-03-20 00:34:32	1664-03-20 12:07:57	1043	1664-03-20	C	1664-03-20 00:33:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1042	1663-03-21	C	1663-03-20 18:45:20	1663-03-20 12:08:11	1042	1663-03-21	C	1663-03-20 18:44:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1041	1662-03-20	C	1662-03-20 12:54:19	1662-03-20 12:08:07	1041	1662-03-20	C	1662-03-20 12:53:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1040	1661-03-20	L	1661-03-20 07:03:28	1661-03-20 12:08:02	1040	1661-03-20	L	1661-03-20 07:02:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1039	1660-03-20	C	1660-03-20 01:15:25	1660-03-20 12:07:57	1039	1660-03-20	C	1660-03-20 01:14:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1038	1659-03-21	C	1659-03-20 19:27:48	1659-03-20 12:08:11	1038	1659-03-21	C	1659-03-20 19:27:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1037	1658-03-21	C	1658-03-20 13:35:03	1658-03-20 12:08:07	1037	1658-03-21	C	1658-03-20 13:34:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1036	1657-03-20	L	1657-03-20 07:43:58	1657-03-20 12:08:03	1036	1657-03-20	L	1657-03-20 07:43:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1035	1656-03-20	C	1656-03-20 02:00:03	1656-03-20 12:07:57	1035	1656-03-20	C	1656-03-20 01:59:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1034	1655-03-21	C	1655-03-20 20:10:03	1655-03-20 12:08:12	1034	1655-03-21	C	1655-03-20 20:09:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1033	1654-03-21	C	1654-03-20 14:16:28	1654-03-20 12:08:08	1033	1654-03-21	C	1654-03-20 14:15:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1032	1653-03-20	L	1653-03-20 08:27:47	1653-03-20 12:08:04	1032	1653-03-20	L	1653-03-20 08:27:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1031	1652-03-20	C	1652-03-20 02:43:55	1652-03-20 12:07:59	1031	1652-03-20	C	1652-03-20 02:43:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1030	1651-03-21	C	1651-03-20 21:00:52	1651-03-20 12:08:13	1030	1651-03-21	C	1651-03-20 21:00:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1029	1650-03-21	C	1650-03-20 15:12:51	1650-03-20 12:08:09	1029	1650-03-21	C	1650-03-20 15:12:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1028	1649-03-20	L	1649-03-20 09:23:10	1649-03-20 12:08:04	1028	1649-03-20	L	1649-03-20 09:22:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1027	1648-03-20	C	1648-03-20 03:39:10	1648-03-20 12:07:59	1027	1648-03-20	C	1648-03-20 03:38:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1026	1647-03-21	C	1647-03-20 21:52:05	1647-03-20 12:08:13	1026	1647-03-21	C	1647-03-20 21:51:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1025	1646-03-21	C	1646-03-20 15:58:37	1646-03-20 12:08:09	1025	1646-03-21	C	1646-03-20 15:58:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1024	1645-03-20	L	1645-03-20 10:10:02	1645-03-20 12:08:04	1024	1645-03-20	L	1645-03-20 10:09:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1023	1644-03-20	C	1644-03-20 04:21:14	1644-03-20 12:07:59	1023	1644-03-20	C	1644-03-20 04:20:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1022	1643-03-21	C	1643-03-20 22:26:48	1643-03-20 12:08:14	1022	1643-03-21	C	1643-03-20 22:26:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1021	1642-03-21	C	1642-03-20 16:29:47	1642-03-20 12:08:10	1021	1642-03-21	C	1642-03-20 16:28:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1020	1641-03-20	L	1641-03-20 10:33:23	1641-03-20 12:08:07	1020	1641-03-20	L	1641-03-20 10:32:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE			
1019	1640-03-20	C	1640-03-20 04:46:08	1640-03-20 12:08:02	1019	1640-03-20	C	1640-03-20 04:44:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE			
1018	1639-03-21	C	1639-03-20 23:02:02	1639-03-20 12:08:15	1018	1639-03-21	C	1639-03-20 23:01:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1017	1638-03-21	C	1638-03-20 17:09:04	1638-03-20 12:08:11	1017	1638-03-21	C	1638-03-20 17:08:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1016	1637-03-20	L	1637-03-20 11:24:08	1637-03-20 12:08:06	1016	1637-03-20	L	1637-03-20 11:23:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
1015	1636-03-20	C	1636-03-20 05:41:52	1636-03-20 12:08:01	1015	1636-03-20	C	1636-03-20 05:40:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
1014	1635-03-21	C	1635-03-20 23:53:50	1635-03-20 12:08:15	1014	1635-03-21	C	1635-03-20 23:53:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1013	1634-03-21	C	1634-03-20 18:08:33	1634-03-20 12:08:11	1013	1634-03-21	C	1634-03-20 18:07:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1012	1633-03-21	C	1633-03-20 12:19:18	1633-03-20 12:08:06	1012	1633-03-21	C	1633-03-20 12:18:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1011	1632-03-20	L	1632-03-20 06:33:31	1632-03-20 12:08:02	1011	1632-03-20	L	1632-03-20 06:32:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1010	1631-03-21	C	1631-03-21 00:47:21	1631-03-21 12:07:57	1010	1631-03-21	C	1631-03-21 00:47:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1009	1630-03-21	C	1630-03-20 18:48:24	1630-03-20 12:08:13	1009	1630-03-21	C	1630-03-20 18:47:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1008	1629-03-21	C	1629-03-20 12:59:26	1629-03-20 12:08:08	1008	1629-03-21	C	1629-03-20 12:59:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1007	1628-03-20	L	1628-03-20 07:16:04	1628-03-20 12:08:03	1007	1628-03-20	L	1628-03-20 07:15:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1006	1627-03-21	C	1627-03-21 01:23:58	1627-03-21 12:07:59	1006	1627-03-21	C	1627-03-21 01:23:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1005	1626-03-21	C	1626-03-20 19:35:33	1626-03-20 12:08:09	1005	1626-03-21	C	1626-03-20 19:35:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1004	1625-03-21	C	1625-03-20 13:41:52	1625-03-20 12:08:09	1004	1625-03-21	C	1625-03-20 13:40:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1003	1624-03-20	L	1624-03-20 07:52:07	1624-03-20 12:08:04	1003	1624-03-20	L	1624-03-20 07:51:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1002	1623-03-21	C	1623-03-21 02:06:56	1623-03-21 12:07:58	1002	1623-03-21	C	1623-03-21 02:07:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1001	1622-03-21	C	1622-03-20 20:10:26	1622-03-20 12:08:13	1001	1622-03-21	C	1622-03-20 20:09:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
1000	1621-03-21	C	1621-03-20 14:22:26	1621-03-20 12:08:08	1000	1621-03-21	C	1621-03-20 14:22:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
999	1620-03-20	L	1620-03-20 08:39:05	1620-03-20 12:08:03	999	1620-03-20	L	1620-03-20 08:39:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
998	1619-03-21	C	1619-03-21 02:43:32	1619-03-21 12:08:13	998	1619-03-21	C	1619-03-21 02:43:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
997	1618-03-21	C	1618-03-20 20:52:42	1618-03-20 12:08:14	997	1618-03-21	C	1618-03-20 20:52:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
996	1617-03-21	C	1617-03-20 15:02:38	1617-03-20 12:08:10	996	1617-03-21	C	1617-03-20 15:02:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
995	1616-03-20	L	1616-03-20 09:15:45	1616-03-20 12:08:06	995	1616-03-20	L	1616-03-20 09:15:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
994	1615-03-21	C	1615-03-21 03:37:13	1615-03-21 12:08:00	994	1615-03-21	C	1615-03-21 03:37:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
993	1614-03-21	C	1614-03-20 21:44:43	1614-03-20 12:08:15	993	1614-03-21	C	1614-03-20 21:44:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
992	1613-03-21	C	1613-03-20 15:58:11	1613-03-20 12:08:11	992	1613-03-21	C	1613-03-20 15:57:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
991	1612-03-20	L	1612-03-20 10:19:40	1612-03-20 12:08:05	991	1612-03-20	L	1612-03-20 10:19:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
990	1611-03-21	C	1611-03-21 04:26:35	1611-03-21 12:08:01	990	1611-03-21	C	1611-03-21 04:26:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			

Wide comparison table of Nowruz / vernal-equinox calculations across sources.

Column groups: **calendar.ut.ac.ir** | **Kstars software** | **timeanddate.com** | **Sayyad** | **Behruz / Birashk** | **Akrami** | **Rezazadeh-malek** | **Abdollahi** | **Kaveh** | **Accurate times software** (the Accurate-times columns — Vernal Equinox, Sun Transit noon time, Nowruz compared to sun transit by Gregorian calendar — are empty for all rows).

Comparison columns abbreviations: S = Sayyad, B = Behruz/Birashk, A = Akrami, M = Rezazadeh-malek (Malekzadeh), Ab = Abdollahi, K = Kaveh. Each has "compare to kstars" (k) and "compare to timeanddate.com" (t).

Persian year	Kstars Nowruz	L/C	Kstars Vernal Equinox	Kstars Sun Transit noon	T&D Nowruz	L/C	T&D Vernal Equinox	S(k)	S(t)	B(k)	B(t)	A(k)	A(t)	M(k)	M(t)	Ab(k)	Ab(t)	K(k)	K(t)
989	1610-03-21	C	1610-03-20 22:38:32	1610-03-20 12:08:15	1610-03-21	C	1610-03-20 22:37:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
988	1609-03-21	C	1609-03-20 16:49:46	1609-03-20 12:08:10	1609-03-21	C	1609-03-20 16:49:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
987	1608-03-20	L	1608-03-20 10:54:27	1608-03-20 12:08:06	1608-03-20	L	1608-03-20 10:53:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE
986	1607-03-21	C	1607-03-21 05:07:02	1607-03-21 12:08:01	1607-03-21	C	1607-03-21 05:06:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE
985	1606-03-21	C	1606-03-20 23:05:32	1606-03-20 12:08:17	1606-03-21	C	1606-03-20 23:04:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
984	1605-03-21	C	1605-03-20 17:11:59	1605-03-20 12:08:13	1605-03-21	C	1605-03-20 17:11:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
983	1604-03-20	L	1604-03-20 11:33:11	1604-03-20 12:08:07	1604-03-20	L	1604-03-20 11:32:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
982	1603-03-21	C	1603-03-21 05:38:35	1603-03-21 12:08:03	1603-03-21	C	1603-03-21 05:37:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
981	1602-03-21	C	1602-03-20 23:50:23	1602-03-20 12:08:17	1602-03-21	C	1602-03-20 23:49:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
980	1601-03-21	C	1601-03-20 18:04:08	1601-03-20 12:08:12	1601-03-21	C	1601-03-20 18:03:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
979	1600-03-21	C	1600-03-20 12:12:23	1600-03-20 12:08:08	1600-03-21	C	1600-03-20 12:11:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
978	1599-03-21	L	1599-03-21 06:32:32	1599-03-20 12:08:02	1599-03-21	L	1599-03-21 06:32:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
977	1598-03-21	C	1598-03-21 00:40:34	1598-03-20 12:07:58	1598-03-21	C	1598-03-21 00:39:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
976	1597-03-21	C	1597-03-20 18:51:02	1597-03-20 12:08:13	1597-03-21	C	1597-03-20 18:50:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
975	1596-03-21	C	1596-03-20 13:13:51	1596-03-20 12:08:07	1596-03-21	C	1596-03-20 13:12:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
974	1595-03-21	L	1595-03-21 07:16:32	1595-03-21 12:08:04	1595-03-21	L	1595-03-21 07:15:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
973	1594-03-21	C	1594-03-21 01:24:59	1594-03-21 12:08:00	1594-03-21	C	1594-03-21 01:24:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
972	1593-03-21	C	1593-03-20 19:39:42	1593-03-20 12:08:14	1593-03-21	C	1593-03-20 19:38:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
971	1592-03-21	C	1592-03-20 13:48:13	1592-03-20 12:08:10	1592-03-21	C	1592-03-20 13:47:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
970	1591-03-21	L	1591-03-21 08:06:45	1591-03-21 12:08:00	1591-03-21	L	1591-03-21 08:06:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
969	1590-03-21	C	1590-03-21 02:13:45	1590-03-21 12:08:00	1590-03-21	C	1590-03-21 02:12:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
968	1589-03-21	C	1589-03-20 20:19:26	1589-03-20 12:08:15	1589-03-21	C	1589-03-20 20:18:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
967	1588-03-21	C	1588-03-20 14:40:55	1588-03-20 12:08:09	1588-03-21	C	1588-03-20 14:40:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
966	1587-03-21	L	1587-03-21 08:45:19	1587-03-21 12:08:05	1587-03-21	L	1587-03-21 08:44:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
965	1586-03-21	C	1586-03-21 02:52:16	1586-03-21 12:08:00	1586-03-21	C	1586-03-21 02:51:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
964	1585-03-21	C	1585-03-20 21:07:12	1585-03-20 12:08:14	1585-03-21	C	1585-03-20 21:06:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
963	1584-03-21	C	1584-03-20 15:09:23	1584-03-20 12:08:10	1584-03-21	C	1584-03-20 15:08:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
962	1583-03-21	L	1583-03-21 09:20:47	1583-03-21 12:08:06	1583-03-21	L	1583-03-21 09:20:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
961	1582-03-21	C	1582-03-21 03:26:12	1582-03-21 12:08:02	1582-03-21	C	1582-03-21 03:25:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
960	1581-03-21	C	1581-03-20 21:31:49	1581-03-20 12:08:17	1581-03-21	C	1581-03-20 21:31:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
959	1580-03-21	C	1580-03-20 15:57:59	1580-03-20 12:08:11	1580-03-21	C	1580-03-20 15:57:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
958	1579-03-21	L	1579-03-21 10:08:30	1579-03-21 12:08:07	1579-03-21	L	1579-03-21 10:07:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE
957	1578-03-21	C	1578-03-21 04:17:53	1578-03-21 12:08:03	1578-03-21	C	1578-03-21 04:17:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE
956	1577-03-21	C	1577-03-20 22:39:27	1577-03-20 12:08:16	1577-03-21	C	1577-03-20 22:38:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
955	1576-03-21	C	1576-03-20 16:47:34	1576-03-20 12:08:12	1576-03-21	C	1576-03-20 16:46:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
954	1575-03-21	L	1575-03-21 11:05:17	1575-03-21 12:08:06	1575-03-21	L	1575-03-21 11:04:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
953	1574-03-21	C	1574-03-21 05:17:17	1574-03-21 12:08:02	1574-03-21	C	1574-03-21 05:16:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
952	1573-03-21	C	1573-03-20 23:21:30	1573-03-20 12:08:17	1573-03-21	C	1573-03-20 23:20:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
951	1572-03-21	C	1572-03-20 17:41:27	1572-03-20 12:08:11	1572-03-21	C	1572-03-20 17:40:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
950	1571-03-21	L	1571-03-21 11:43:35	1571-03-21 12:08:08	1571-03-21	L	1571-03-21 11:42:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
949	1570-03-21	C	1570-03-21 05:44:07	1570-03-21 12:08:05	1570-03-21	C	1570-03-21 05:43:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
948	1569-03-21	C	1569-03-21 00:01:00	1569-03-21 12:07:59	1569-03-21	C	1569-03-21 00:00:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
947	1568-03-21	C	1568-03-20 18:06:51	1568-03-20 12:08:14	1568-03-21	C	1568-03-20 18:05:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
946	1567-03-22	C	1567-03-21 12:19:45	1567-03-21 12:08:08	1567-03-22	C	1567-03-21 12:19:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
945	1566-03-21	L	1566-03-21 06:30:22	1566-03-21 12:08:04	1566-03-21	L	1566-03-21 06:29:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
944	1565-03-21	C	1565-03-21 00:33:41	1565-03-21 12:08:00	1565-03-21	C	1565-03-21 00:32:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
943	1564-03-21	C	1564-03-20 18:56:01	1564-03-20 12:08:13	1564-03-21	C	1564-03-20 18:55:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
942	1563-03-22	C	1563-03-21 13:06:04	1563-03-21 12:08:09	1563-03-22	C	1563-03-21 13:04:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
941	1562-03-21	L	1562-03-21 07:12:13	1562-03-21 12:08:05	1562-03-21	L	1562-03-21 07:11:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
940	1561-03-21	C	1561-03-21 01:32:19	1561-03-21 12:07:59	1561-03-21	C	1561-03-21 01:30:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
939	1560-03-21	C	1560-03-20 19:39:37	1560-03-20 12:08:14	1560-03-21	C	1560-03-20 19:38:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
938	1559-03-21	C	1559-03-21 13:49:11	1559-03-21 12:08:10	1559-03-21	C	1559-03-21 13:48:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
937	1558-03-21	L	1558-03-21 08:02:00	1558-03-21 12:08:06	1558-03-21	L	1558-03-21 08:00:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
936	1557-03-21	C	1557-03-21 02:08:47	1557-03-21 12:08:02	1557-03-21	C	1557-03-21 02:07:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
935	1556-03-21	C	1556-03-20 20:32:30	1556-03-20 12:08:15	1556-03-21	C	1556-03-20 20:31:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
934	1555-03-22	C	1555-03-21 14:45:41	1555-03-21 12:08:10	1555-03-22	C	1555-03-21 14:44:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
933	1554-03-21	L	1554-03-21 08:48:50	1554-03-21 12:08:07	1554-03-21	L	1554-03-21 08:47:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
932	1553-03-21	C	1553-03-21 03:07:29	1553-03-21 12:08:01	1553-03-21	C	1553-03-21 03:06:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
931	1552-03-21	C	1552-03-20 21:15:26	1552-03-20 12:08:15	1552-03-21	C	1552-03-20 21:14:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
930	1551-03-22	C	1551-03-21 15:23:30	1551-03-21 12:08:11	1551-03-22	C	1551-03-21 15:22:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
929	1550-03-21	L	1550-03-21 09:35:26	1550-03-21 12:08:06	1550-03-21	L	1550-03-21 09:34:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
928	1549-03-21	C	1549-03-21 03:37:02	1549-03-21 12:08:03	1549-03-21	C	1549-03-21 03:36:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
927	1548-03-21	C	1548-03-20 21:50:30	1548-03-20 12:08:16	1548-03-21	C	1548-03-20 21:50:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
926	1547-03-22	C	1547-03-21 15:57:34	1547-03-21 12:08:12	1547-03-22	C	1547-03-21 15:58:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
925	1546-03-21	L	1546-03-21 09:56:24	1546-03-21 12:08:09	1546-03-21	L	1546-03-21 09:56:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE
924	1545-03-21	C	1545-03-21 04:16:18	1545-03-21 12:08:03	1545-03-21	C	1545-03-21 04:18:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE
923	1544-03-21	C	1544-03-20 22:29:19	1544-03-20 12:08:17	1544-03-21	C	1544-03-20 22:30:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
922	1543-03-22	C	1543-03-21 16:40:44	1543-03-21 12:08:13	1543-03-22	C	1543-03-21 16:40:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
921	1542-03-21	L	1542-03-21 10:57:43	1542-03-21 12:08:08	1542-03-21	L	1542-03-21 10:58:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
920	1541-03-21	C	1541-03-21 05:06:43	1541-03-21 12:08:04	1541-03-21	C	1541-03-21 05:08:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
919	1540-03-21	C	1540-03-20 23:27:48	1540-03-20 12:08:17	1540-03-21	C	1540-03-20 23:28:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
918	1539-03-21	C	1539-03-21 17:44:08	1539-03-21 12:08:12	1539-03-21	C	1539-03-21 17:41:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
917	1538-03-21	L	1538-03-21 11:48:50	1538-03-21 12:08:09	1538-03-21	L	1538-03-21 11:45:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
916	1537-03-21	C	1537-03-21 06:06:04	1537-03-21 12:08:03	1537-03-21	C	1537-03-21 06:04:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
915	1536-03-21	C	1536-03-21 00:14:29	1536-03-21 12:07:57	1536-03-21	C	1536-03-21 00:14:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
914	1535-03-22	C	1535-03-21 18:16:50	1535-03-21 12:08:15	1535-03-21	C	1535-03-21 18:18:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
913	1534-03-22	C	1534-03-21 12:27:04	1534-03-21 12:08:10	1534-03-22	C	1534-03-21 12:30:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE

calendar.ut.ac.ir	Kstars software					timeanddate.com				Sayyad			Behruz / Birashk			Akrami			Rezazadeh-malek			Abdollahi			Kaveh			Accurate times software		
Nowruz date	Persian year	Nowruz compared to sun transit by Gregorian calendar	Sun transit referenced Leap or common	Vernal Equinox	Sun Transit noon time	Persian year	Nowruz compared to sun transit by Gregorian calendar	Sun transit referenced Leap or common	Vernal Equinox	Sayyad compare to kstars	Sayyad compare to timeanddate.com		Birashk compare to kstars	Birashk compare to timeanddate.com		Akrami compare to kstars	Akrami compare to timeanddate.com		Malekzadeh compare to kstars	Malekzadeh compare to timeanddate.com		Abdollahi compare to kstars	Abdollahi compare to timeanddate.com		Kaveh compare to kstars	Kaveh compare to timeanddate.com		Vernal Equinox	Sun Transit noon time	Nowruz compared to sun transit by Gregorian calendar
	912	1533-03-21	L	1533-03-21 06:33:26	1533-03-21 12:08:06	912	1533-03-21	L	1533-03-21 06:36:16	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	911	1532-03-21	C	1532-03-21 00:49:14	1532-03-21 12:08:00	911	1532-03-21	C	1532-03-21 00:49:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	910	1531-03-22	C	1531-03-21 19:01:35	1531-03-21 12:08:14	910	1531-03-22	C	1531-03-21 19:00:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	909	1530-03-22	C	1530-03-21 13:03:37	1530-03-21 12:08:11	909	1530-03-22	C	1530-03-21 13:03:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	908	1529-03-21	L	1529-03-21 07:18:05	1529-03-21 12:08:05	908	1529-03-21	L	1529-03-21 07:20:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	907	1528-03-21	C	1528-03-21 01:31:30	1528-03-21 12:08:00	907	1528-03-21	C	1528-03-21 01:32:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	906	1527-03-22	C	1527-03-21 19:38:14	1527-03-21 12:08:15	906	1527-03-22	C	1527-03-21 19:37:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	905	1526-03-22	C	1526-03-21 13:51:43	1526-03-21 12:08:10	905	1526-03-22	C	1526-03-21 13:51:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	904	1525-03-21	L	1525-03-21 08:00:49	1525-03-21 12:08:06	904	1525-03-21	L	1525-03-21 08:01:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	903	1524-03-21	C	1524-03-21 02:13:20	1524-03-21 12:08:02	903	1524-03-21	C	1524-03-21 02:14:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	902	1523-03-22	C	1523-03-21 20:26:12	1523-03-21 12:08:16	902	1523-03-22	C	1523-03-21 20:27:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	901	1522-03-22	C	1522-03-21 14:31:30	1522-03-21 12:08:13	901	1522-03-22	C	1522-03-21 14:33:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	900	1521-03-21	L	1521-03-21 08:49:44	1521-03-21 12:08:07	900	1521-03-21	L	1521-03-21 08:51:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	899	1520-03-21	C	1520-03-21 03:08:10	1520-03-21 12:08:02	899	1520-03-21	C	1520-03-21 03:08:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	898	1519-03-22	C	1519-03-21 21:16:26	1519-03-21 12:08:17	898	1519-03-22	C	1519-03-21 21:15:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	897	1518-03-21	L	1518-03-21 15:28:54	1518-03-21 12:08:12	897	1518-03-21	L	1518-03-21 15:30:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	896	1517-03-21	L	1517-03-21 09:40:02	1517-03-21 12:08:08	896	1517-03-21	L	1517-03-21 09:43:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	895	1516-03-21	C	1516-03-21 03:53:04	1516-03-21 12:08:03	895	1516-03-21	C	1516-03-21 03:55:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	894	1515-03-22	C	1515-03-21 22:06:37	1515-03-21 12:08:17	894	1515-03-22	C	1515-03-21 22:05:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	893	1514-03-22	C	1514-03-21 16:09:56	1514-03-21 12:08:13	893	1514-03-22	C	1514-03-21 16:09:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	892	1513-03-21	L	1513-03-21 10:19:54	1513-03-21 12:08:08	892	1513-03-21	L	1513-03-21 10:20:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	TRUE	TRUE		FALSE	FALSE				
	891	1512-03-21	C	1512-03-21 04:28:49	1512-03-21 12:08:03	891	1512-03-21	C	1512-03-21 04:30:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE		FALSE	FALSE				
	890	1511-03-22	C	1511-03-21 22:30:04	1511-03-21 12:08:19	890	1511-03-22	C	1511-03-21 22:32:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	889	1510-03-22	C	1510-03-21 16:37:58	1510-03-21 12:08:15	889	1510-03-22	C	1510-03-21 16:42:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	888	1509-03-21	L	1509-03-21 10:50:44	1509-03-21 12:08:10	888	1509-03-21	L	1509-03-21 10:54:16	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE		FALSE	FALSE				
	887	1508-03-21	C	1508-03-21 05:06:04	1508-03-21 12:08:04	887	1508-03-21	C	1508-03-21 05:06:16	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE		FALSE	FALSE				
	886	1507-03-22	C	1507-03-21 23:20:32	1507-03-21 12:08:18	886	1507-03-22	C	1507-03-21 23:19:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	885	1506-03-22	C	1506-03-21 17:29:53	1506-03-21 12:08:14	885	1506-03-22	C	1506-03-21 17:30:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	884	1505-03-21	L	1505-03-21 11:45:06	1505-03-21 12:08:09	884	1505-03-21	L	1505-03-21 11:46:16	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE				
	883	1504-03-21	C	1504-03-21 06:03:15	1504-03-21 12:08:04	883	1504-03-21	C	1504-03-21 06:03:16	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE		FALSE	FALSE				
	882	1503-03-22	C	1503-03-22 00:13:48	1503-03-22 12:08:00	882	1503-03-22	C	1503-03-22 00:12:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	881	1502-03-22	C	1502-03-21 18:23:58	1502-03-21 12:08:15	881	1502-03-22	C	1502-03-21 18:24:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	880	1501-03-21	C	1501-03-21 12:36:08	1501-03-21 12:08:10	880	1501-03-21	C	1501-03-21 12:38:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	879	1500-03-21	L	1500-03-21 06:46:30	1500-03-21 12:08:06	879	1500-03-21	L	1500-03-21 06:49:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	878	1499-03-21	C	1499-03-21 00:54:20	1499-03-21 12:08:02	878	1499-03-21	C	1499-03-21 00:58:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	877	1498-03-21	C	1498-03-20 19:02:54	1498-03-20 12:08:17	877	1498-03-21	C	1498-03-20 19:06:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	876	1497-03-21	C	1497-03-20 13:15:07	1497-03-20 12:08:12	876	1497-03-21	C	1497-03-20 13:18:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	875	1496-03-20	L	1496-03-20 07:30:35	1496-03-20 12:08:06	875	1496-03-20	L	1496-03-20 07:31:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	874	1495-03-21	C	1495-03-21 01:38:13	1495-03-21 12:08:04	874	1495-03-21	C	1495-03-21 01:38:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	873	1494-03-21	C	1494-03-20 19:43:27	1494-03-20 12:08:17	873	1494-03-21	C	1494-03-20 19:46:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	872	1493-03-21	C	1493-03-20 13:56:07	1493-03-20 12:08:12	872	1493-03-21	C	1493-03-20 14:00:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	871	1492-03-20	L	1492-03-20 08:08:39	1492-03-20 12:08:07	871	1492-03-20	L	1492-03-20 08:10:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	870	1491-03-21	C	1491-03-21 02:18:07	1491-03-21 12:08:02	870	1491-03-21	C	1491-03-21 02:17:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	869	1490-03-21	C	1490-03-20 20:27:29	1490-03-20 12:08:17	869	1490-03-21	C	1490-03-20 20:26:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	868	1489-03-21	C	1489-03-20 14:36:47	1489-03-20 12:08:12	868	1489-03-21	C	1489-03-20 14:38:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	867	1488-03-20	L	1488-03-20 08:47:53	1488-03-21 12:08:08	867	1488-03-20	L	1488-03-20 08:50:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	866	1487-03-21	C	1487-03-21 02:56:24	1487-03-21 12:08:04	866	1487-03-21	C	1487-03-21 03:00:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	865	1486-03-21	C	1486-03-20 21:04:06	1486-03-20 12:08:19	865	1486-03-21	C	1486-03-20 21:09:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	864	1485-03-21	C	1485-03-20 15:22:19	1485-03-20 12:08:14	864	1485-03-21	C	1485-03-20 15:26:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	863	1484-03-20	L	1484-03-20 09:40:21	1484-03-20 12:08:08	863	1484-03-20	L	1484-03-20 09:43:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	862	1483-03-21	C	1483-03-21 03:51:43	1483-03-21 12:08:04	862	1483-03-21	C	1483-03-21 03:52:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	861	1482-03-21	C	1482-03-20 22:04:33	1482-03-20 12:08:19	861	1482-03-21	C	1482-03-20 22:07:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	860	1481-03-21	C	1481-03-20 16:18:55	1481-03-20 12:08:14	860	1481-03-21	C	1481-03-20 16:22:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	859	1480-03-20	L	1480-03-20 10:32:50	1480-03-20 12:08:08	859	1480-03-20	L	1480-03-20 10:34:16	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	L	TRUE	TRUE	C	FALSE	FALSE		FALSE	FALSE				
	858	1479-03-21	C	1479-03-21 04:44:37	1479-03-21 12:08:04	858	1479-03-21	C	1479-03-21 04:44:16	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	C	TRUE	TRUE	L	FALSE	FALSE		FALSE	FALSE				
	857	1478-03-21	C	1478-03-20 22:48:20	1478-03-20 12:08:19	857	1478-03-21	C	1478-03-20 22:49:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	856	1477-03-21	C	1477-03-20 16:57:04	1477-03-20 12:08:14	856	1477-03-21	C	1477-03-20 17:00:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	855	1476-03-20	L	1476-03-20 11:07:02	1476-03-20 12:08:10	855	1476-03-20	L	1476-03-20 11:10:16	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE				
	854	1475-03-21	C	1475-03-21 05:08:32	1475-03-21 12:08:06	854	1475-03-21	C	1475-03-21 05:12:16	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE		FALSE	FALSE				
	853	1474-03-21	C	1474-03-20 23:18:29	1474-03-20 12:08:21	853	1474-03-21	C	1474-03-20 23:21:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	852	1473-03-21	C	1473-03-20 17:31:56	1473-03-20 12:08:15	852	1473-03-21	C	1473-03-20 17:34:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	851	1472-03-20	L	1472-03-20 11:43:25	1472-03-21 12:08:06	851	1472-03-20	L	1472-03-20 11:44:16	TRUE	TRUE	C	FALSE	FALSE	L	FALSE	FALSE	C	FALSE	FALSE	L	FALSE	FALSE		FALSE	FALSE				
	850	1471-03-21	C	1471-03-21 05:56:23	1471-03-21 12:08:06	850	1471-03-21	C	1471-03-21 05:57:16	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE		FALSE	FALSE				
	849	1470-03-21	C	1470-03-21 00:02:20	1470-03-21 12:08:02	849	1470-03-21	C	1470-03-21 00:06:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	848	1469-03-21	C	1469-03-20 18:16:33	1469-03-20 12:08:16	848	1469-03-21	C	1469-03-20 18:22:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	847	1468-03-21	C	1468-03-20 12:37:00	1468-03-20 12:08:10	847	1468-03-21	C	1468-03-20 12:40:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	846	1467-03-21	L	1467-03-21 06:44:19	1467-03-21 12:08:07	846	1467-03-21	L	1467-03-21 06:45:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	845	1466-03-21	C	1466-03-21 00:58:04	1466-03-21 12:08:02	845	1466-03-21	C	1466-03-21 00:59:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	844	1465-03-21	C	1465-03-20 19:11:18	1465-03-20 12:08:16	844	1465-03-21	C	1465-03-20 19:14:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	843	1464-03-21	C	1464-03-20 13:19:06	1464-03-20 12:08:12	843	1464-03-21	C	1464-03-20 13:23:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	842	1463-03-21	L	1463-03-21 07:31:57	1463-03-21 12:08:08	842	1463-03-21	L	1463-03-21 07:36:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	841	1462-03-21	C	1462-03-21 01:38:43	1462-03-21 12:08:04	841	1462-03-21	C	1462-03-21 01:44:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	840	1461-03-21	C	1461-03-20 19:52:35	1461-03-20 12:08:18	840	1461-03-21	C	1461-03-20 19:57:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	839	1460-03-21	C	1460-03-20 14:11:54	1460-03-20 12:08:12	839	1460-03-21	C	1460-03-20 14:14:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	838	1459-03-21	L	1459-03-21 08:15:27	1459-03-21 12:08:08	838	1459-03-21	L	1459-03-21 08:18:16	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE				
	837	1458-03-21	C	1458-03-21 02:25:18	1458-03-21 12:08:03	837	1458-03-21	C	1458-03-21 02:28:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				
	836	1457-03-21	C	1457-03-20 20:39:37	1457-03-20 12:08:17	836	1457-03-21	C	1457-03-20 20:43:16	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE				

Comparison of Nowruz determinations across software and scholarly calendars. Column groups: **calendar.ut.ac.ir**, **Kstars software**, **timeanddate.com**, **Sayyad**, **Behruz / Birashk**, **Akrami**, **Rezazadeh-malek**, **Abdollahi**, **Kaveh**, **Accurate times software**.

Nowruz date	Persian year	Nowruz vs sun transit (Greg. cal)	L/C	Vernal Equinox	Sun Transit noon time	Persian year	Nowruz vs sun transit (Greg. cal)	L/C	Vernal Equinox	S ref	Sayyad vs kstars	Sayyad vs t&d	B ref	Birashk vs kstars	Birashk vs t&d	A ref	Akrami vs kstars	Akrami vs t&d	M ref	Malekzadeh vs kstars	Malekzadeh vs t&d	Ab ref	Abdollahi vs kstars	Abdollahi vs t&d	Kv ref	Kaveh vs kstars	Kaveh vs t&d	Vernal Equinox	Sun Transit noon time	Nowruz vs sun transit (Greg. cal)
	835	1456-03-21	C	1456-03-20 14:46:26	1456-03-20 12:08:13	835	1456-03-21	C	1456-03-20 14:48:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	834	1455-03-21	L	1455-03-21 08:58:24	1455-03-21 12:08:08	834	1455-03-21	L	1455-03-21 08:58:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	833	1454-03-21	C	1454-03-21 03:01:45	1454-03-21 12:08:04	833	1454-03-21	C	1454-03-21 03:04:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	832	1453-03-21	C	1453-03-20 21:07:55	1453-03-20 12:08:19	832	1453-03-21	C	1453-03-20 21:13:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	831	1452-03-21	C	1452-03-20 15:23:34	1452-03-20 12:08:14	831	1452-03-21	C	1452-03-20 15:30:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	830	1451-03-21	L	1451-03-21 09:27:14	1451-03-21 12:08:11	830	1451-03-21	L	1451-03-21 09:32:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	829	1450-03-21	C	1450-03-21 03:39:46	1450-03-21 12:08:06	829	1450-03-21	C	1450-03-21 03:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	828	1449-03-21	C	1449-03-20 22:02:10	1449-03-20 12:08:19	828	1449-03-21	C	1449-03-20 22:05:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	827	1448-03-21	C	1448-03-20 16:12:50	1448-03-20 12:08:15	827	1448-03-21	C	1448-03-20 16:14:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	826	1447-03-21	L	1447-03-21 10:29:21	1447-03-21 12:08:10	826	1447-03-21	L	1447-03-21 10:31:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	825	1446-03-20	C	1446-03-20 04:40:08	1446-03-20 12:08:06	825	1446-03-20	C	1446-03-20 04:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	824	1445-03-21	C	1445-03-20 22:51:11	1445-03-20 12:08:20	824	1445-03-21	C	1445-03-20 22:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	823	1444-03-22	C	1444-03-21 17:14:24	1444-03-21 12:08:14	823	1444-03-22	C	1444-03-21 17:16:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	822	1443-03-21	L	1443-03-21 11:19:17	1443-03-21 12:08:10	822	1443-03-21	L	1443-03-21 11:19:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	821	1442-03-21	C	1442-03-21 05:26:11	1442-03-21 12:08:06	821	1442-03-21	C	1442-03-21 05:27:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	820	1441-03-21	C	1441-03-20 23:40:57	1441-03-20 12:08:20	820	1441-03-21	C	1441-03-20 23:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	819	1440-03-21	C	1440-03-20 17:41:05	1440-03-20 12:08:17	819	1440-03-21	C	1440-03-20 17:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	818	1439-03-21	L	1439-03-21 11:49:55	1439-03-21 12:08:12	818	1439-03-21	L	1439-03-21 11:55:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	817	1438-03-21	C	1438-03-21 05:58:00	1438-03-21 12:08:08	817	1438-03-21	C	1438-03-21 06:04:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	816	1437-03-21	C	1437-03-21 00:04:25	1437-03-21 12:08:03	816	1437-03-21	C	1437-03-21 00:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	815	1436-03-21	C	1436-03-20 18:25:29	1436-03-20 12:08:16	815	1436-03-21	C	1436-03-20 18:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	814	1435-03-22	C	1435-03-21 12:29:20	1435-03-21 12:08:13	814	1435-03-22	C	1435-03-21 12:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	813	1434-03-21	L	1434-03-21 06:37:44	1434-03-21 12:08:08	813	1434-03-21	L	1434-03-21 06:43:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	812	1433-03-21	C	1433-03-21 01:00:06	1433-03-21 12:08:02	812	1433-03-21	C	1433-03-21 01:05:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	811	1432-03-21	C	1432-03-20 19:08:14	1432-03-20 12:08:17	811	1432-03-21	C	1432-03-20 19:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	810	1431-03-22	C	1431-03-21 13:21:52	1431-03-21 12:08:12	810	1431-03-22	C	1431-03-21 13:22:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	809	1430-03-21	L	1430-03-21 07:33:01	1430-03-21 12:08:08	809	1430-03-21	L	1430-03-21 07:36:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	808	1429-03-21	C	1429-03-21 01:38:05	1429-03-21 12:08:04	808	1429-03-21	C	1429-03-21 01:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	807	1428-03-21	C	1428-03-20 19:57:51	1428-03-20 12:08:18	807	1428-03-21	C	1428-03-20 20:04:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	806	1427-03-22	C	1427-03-21 14:05:10	1427-03-21 12:08:14	806	1427-03-22	C	1427-03-21 14:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	805	1426-03-21	L	1426-03-21 08:14:28	1426-03-21 12:08:10	805	1426-03-21	L	1426-03-21 08:19:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	804	1425-03-21	C	1425-03-21 02:39:21	1425-03-21 12:08:03	804	1425-03-21	C	1425-03-21 02:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	803	1424-03-21	C	1424-03-20 20:46:33	1424-03-20 12:08:19	803	1424-03-21	C	1424-03-20 20:48:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	802	1423-03-22	C	1423-03-21 14:55:57	1423-03-21 12:08:14	802	1423-03-22	C	1423-03-21 14:58:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	801	1422-03-21	L	1422-03-21 09:07:19	1422-03-21 12:08:09	801	1422-03-21	L	1422-03-21 09:13:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	800	1421-03-21	C	1421-03-21 03:11:54	1421-03-21 12:08:08	800	1421-03-21	C	1421-03-21 03:18:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	799	1420-03-21	C	1420-03-20 21:30:04	1420-03-20 12:08:18	799	1420-03-21	C	1420-03-20 21:34:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	798	1419-03-22	C	1419-03-21 15:35:48	1419-03-21 12:08:14	798	1419-03-22	C	1419-03-21 15:37:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	797	1418-03-21	L	1418-03-21 09:36:04	1418-03-21 12:08:11	797	1418-03-21	L	1418-03-21 09:39:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE			
	796	1417-03-21	C	1417-03-21 03:54:10	1417-03-21 12:08:05	796	1417-03-21	C	1417-03-21 03:59:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	795	1416-03-21	C	1416-03-20 21:57:17	1416-03-20 12:08:21	795	1416-03-21	C	1416-03-20 22:02:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	794	1415-03-22	C	1415-03-21 16:04:50	1415-03-21 12:08:16	794	1415-03-22	C	1415-03-21 16:09:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	793	1414-03-21	L	1414-03-21 10:21:50	1414-03-21 12:08:11	793	1414-03-21	L	1414-03-21 10:27:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	792	1413-03-21	C	1413-03-21 04:30:09	1413-03-21 12:08:07	792	1413-03-21	C	1413-03-21 04:35:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	791	1412-03-21	C	1412-03-20 22:52:02	1412-03-20 12:08:20	791	1412-03-21	C	1412-03-20 22:55:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	790	1411-03-22	C	1411-03-21 17:03:49	1411-03-21 12:08:16	790	1411-03-22	C	1411-03-21 17:07:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	789	1410-03-21	L	1410-03-21 11:10:18	1410-03-21 12:08:12	789	1410-03-21	L	1410-03-21 11:15:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	788	1409-03-21	C	1409-03-21 05:36:45	1409-03-21 12:08:05	788	1409-03-21	C	1409-03-21 05:40:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	787	1408-03-21	C	1408-03-20 23:47:16	1408-03-20 12:08:20	787	1408-03-21	C	1408-03-20 23:48:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	786	1407-03-22	C	1407-03-21 17:54:09	1407-03-21 12:08:16	786	1407-03-22	C	1407-03-21 17:55:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	785	1406-03-21	L	1406-03-21 12:07:27	1406-03-21 12:08:12	785	1406-03-22	C	1406-03-21 12:12:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	1406-03-21 12:08:35	1406-03-21 12:07:45	1406-03-22
	784	1405-03-21	C	1405-03-21 06:08:07	1405-03-21 12:08:09	784	1405-03-21	L	1405-03-21 06:16:16	C	TRUE	FALSE	L	FALSE	TRUE	C	TRUE	TRUE	L	FALSE	TRUE	C	TRUE	TRUE	L	FALSE	TRUE			
	783	1404-03-21	C	1404-03-21 00:21:44	1404-03-21 12:08:03	783	1404-03-21	C	1404-03-21 00:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	782	1403-03-22	C	1403-03-21 18:29:53	1403-03-21 12:08:18	782	1403-03-22	C	1403-03-21 18:37:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	781	1402-03-22	C	1402-03-21 12:33:10	1402-03-21 12:08:14	781	1402-03-22	C	1402-03-21 12:39:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	780	1401-03-21	L	1401-03-21 06:55:32	1401-03-21 12:08:08	780	1401-03-21	L	1401-03-21 06:59:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	779	1400-03-21	C	1400-03-21 01:04:08	1400-03-21 12:08:03	779	1400-03-21	C	1400-03-21 01:06:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	778	1399-03-21	C	1399-03-20 19:08:05	1399-03-20 12:08:18	778	1399-03-21	C	1399-03-20 19:11:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	777	1398-03-21	C	1398-03-20 13:23:37	1398-03-20 12:08:13	777	1398-03-21	C	1398-03-20 13:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	776	1397-03-20	L	1397-03-20 07:31:01	1397-03-20 12:08:09	776	1397-03-20	L	1397-03-20 07:36:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	775	1396-03-20	C	1396-03-20 01:47:16	1396-03-20 12:08:03	775	1396-03-20	C	1396-03-20 01:49:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	774	1395-03-21	C	1395-03-20 19:59:09	1395-03-20 12:08:18	774	1395-03-21	C	1395-03-20 20:01:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	773	1394-03-21	C	1394-03-20 14:00:50	1394-03-20 12:08:15	773	1394-03-21	C	1394-03-20 14:05:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	772	1393-03-20	L	1393-03-20 08:20:28	1393-03-20 12:08:09	772	1393-03-20	L	1393-03-20 08:26:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	771	1392-03-20	C	1392-03-20 02:31:23	1392-03-20 12:08:05	771	1392-03-20	C	1392-03-20 02:36:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	770	1391-03-21	C	1391-03-20 20:37:30	1391-03-20 12:08:21	770	1391-03-21	C	1391-03-20 20:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	769	1390-03-21	C	1390-03-20 14:57:25	1390-03-20 12:08:15	769	1390-03-21	C	1390-03-20 15:03:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	768	1389-03-20	L	1389-03-20 09:09:02	1389-03-20 12:08:10	768	1389-03-20	L	1389-03-20 09:14:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	767	1388-03-20	C	1388-03-20 03:23:37	1388-03-20 12:08:05	767	1388-03-20	C	1388-03-20 03:28:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	766	1387-03-21	C	1387-03-20 21:37:19	1387-03-20 12:08:20	766	1387-03-21	C	1387-03-20 21:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	765	1386-03-21	C	1386-03-20 15:40:29	1386-03-20 12:08:16	765	1386-03-21	C	1386-03-20 15:47:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	764	1385-03-20	L	1385-03-20 10:01:01	1385-03-20 12:08:10	764	1385-03-20	L	1385-03-20 10:05:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE			
	763	1384-03-20	C	1384-03-20 04:12:44	1384-03-20 12:08:05	763	1384-03-20	C	1384-03-20 04:13:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	762	1383-03-21	C	1383-03-20 22:12:15	1383-03-20 12:08:21	762	1383-03-21	C	1383-03-20 22:13:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	761	1382-03-21	C	1382-03-20 16:23:17	1382-03-20 12:08:16	761	1382-03-21	C	1382-03-20 16:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	760	1381-03-20	L	1381-03-20 10:26:49	1381-03-20 12:08:12	760	1381-03-20	L	1381-03-20 10:34:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	759	1380-03-20	C	1380-03-20 04:34:50	1380-03-20 12:08:07	759	1380-03-20	C	1380-03-20 04:41:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			

Comparison table of Persian calendar Nowruz determinations across different software and scholars.

Persian year	Kstars: Nowruz (Greg.)	L/C	Kstars: Vernal Equinox	Kstars: Sun Transit noon	TAD year	TAD: Nowruz (Greg.)	L/C	TAD: Vernal Equinox	Sayyad vs kstars	Sayyad vs TAD	Birashk vs kstars	Birashk vs TAD	Akrami vs kstars	Akrami vs TAD	Malekzadeh vs kstars	Malekzadeh vs TAD	Abdollahi vs kstars	Abdollahi vs TAD	Kaveh vs kstars	Kaveh vs TAD	AT: Vernal Equinox	AT: Sun Transit	AT: Nowruz
758	1379-03-21	C	1379-03-20 22:47:20	1378-03-20 12:08:22	758	1379-03-21	C	1379-03-20 22:52:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
757	1378-03-21	C	1378-03-20 16:52:52	1378-03-20 12:08:18	757	1378-03-21	C	1378-03-20 16:58:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
756	1377-03-20	L	1377-03-20 11:13:48	1377-03-20 12:08:12	756	1377-03-20	L	1377-03-20 11:17:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
755	1376-03-21	C	1376-03-20 05:29:11	1376-03-20 12:08:07	755	1376-03-20	C	1376-03-20 05:32:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
754	1375-03-21	C	1375-03-20 23:33:26	1375-03-20 12:08:22	754	1375-03-21	C	1375-03-20 23:38:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
753	1374-03-21	C	1374-03-20 17:51:52	1374-03-20 12:08:17	753	1374-03-21	C	1374-03-20 17:58:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
752	1373-03-20	L	1373-03-20 12:06:03	1373-03-20 12:08:12	752	1373-03-21	L	1373-03-20 12:12:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	1373-03-20 12:07:17	1373-03-20 12:07:46	1373-03-20
751	1372-03-21	C	1372-03-20 06:09:51	1372-03-20 12:08:07	751	1372-03-20	C	1372-03-20 06:23:16	TRUE	FALSE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	TRUE	TRUE	TRUE			
750	1371-03-21	C	1371-03-21 00:32:56	1371-03-20 12:08:03	750	1371-03-21	C	1371-03-21 00:36:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
749	1370-03-21	C	1370-03-20 18:36:56	1370-03-20 12:08:19	749	1370-03-21	C	1370-03-20 18:43:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
748	1369-03-20	C	1369-03-20 12:51:24	1369-03-20 12:08:14	748	1369-03-21	C	1369-03-20 12:58:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
747	1368-03-20	L	1368-03-20 07:04:10	1368-03-21 12:08:09	747	1368-03-20	L	1368-03-20 07:10:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
746	1367-03-21	C	1367-03-21 01:07:16	1367-03-21 12:08:05	746	1367-03-21	C	1367-03-21 01:11:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
745	1366-03-21	C	1366-03-20 19:21:48	1366-03-20 12:08:19	745	1366-03-21	C	1366-03-20 19:27:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
744	1365-03-21	C	1365-03-20 13:34:33	1365-03-20 12:08:14	744	1365-03-21	C	1365-03-20 13:39:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
743	1364-03-20	L	1364-03-20 07:42:32	1364-03-20 12:08:09	743	1364-03-20	L	1364-03-20 07:46:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
742	1363-03-21	C	1363-03-21 01:52:54	1363-03-21 12:08:04	742	1363-03-21	C	1363-03-21 01:57:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
741	1362-03-21	C	1362-03-20 19:59:07	1362-03-20 12:08:19	741	1362-03-21	C	1362-03-20 20:04:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
740	1361-03-21	C	1361-03-20 14:14:29	1361-03-20 12:08:14	740	1361-03-21	C	1361-03-20 14:18:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
739	1360-03-20	L	1360-03-20 08:28:36	1360-03-20 12:08:08	739	1360-03-20	L	1360-03-20 08:29:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
738	1359-03-21	C	1359-03-21 02:30:11	1359-03-21 12:08:05	738	1359-03-21	C	1359-03-21 02:32:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
737	1358-03-21	C	1358-03-20 20:39:27	1358-03-20 12:08:20	737	1358-03-21	C	1358-03-20 20:46:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
736	1357-03-21	C	1357-03-20 14:52:01	1357-03-20 12:08:16	736	1357-03-21	C	1357-03-20 15:00:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
735	1356-03-20	L	1356-03-20 09:01:14	1356-03-20 12:08:12	735	1356-03-20	L	1356-03-20 09:09:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
734	1355-03-21	C	1355-03-21 03:16:27	1355-03-21 12:08:06	734	1355-03-21	C	1355-03-21 03:22:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
733	1354-03-21	C	1354-03-20 21:29:49	1354-03-20 12:08:21	733	1354-03-21	C	1354-03-20 21:35:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
732	1353-03-21	C	1353-03-20 15:48:37	1353-03-20 12:08:16	732	1353-03-21	C	1353-03-20 15:52:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
731	1352-03-20	L	1352-03-20 10:05:52	1352-03-20 12:08:10	731	1352-03-20	L	1352-03-20 10:08:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE			
730	1351-03-21	C	1351-03-21 04:11:46	1351-03-21 12:08:07	730	1351-03-21	C	1351-03-21 04:16:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE			
729	1350-03-21	C	1350-03-20 22:24:44	1350-03-20 12:08:21	729	1350-03-21	C	1350-03-20 22:31:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
728	1349-03-21	C	1349-03-20 16:40:26	1349-03-20 12:08:16	728	1349-03-21	C	1349-03-20 16:45:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
727	1348-03-20	L	1348-03-20 10:48:31	1348-03-20 12:08:11	727	1348-03-20	L	1348-03-20 10:50:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
726	1347-03-21	C	1347-03-21 04:54:35	1347-03-21 12:08:07	726	1347-03-21	C	1347-03-21 04:58:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
725	1346-03-21	C	1346-03-20 22:59:01	1346-03-20 12:08:22	725	1346-03-21	C	1346-03-20 23:06:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
724	1345-03-21	C	1345-03-20 17:07:46	1345-03-20 12:08:18	724	1345-03-21	C	1345-03-20 17:15:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
723	1344-03-20	L	1344-03-20 11:18:18	1344-03-20 12:08:13	723	1344-03-20	L	1344-03-20 11:24:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
722	1343-03-21	C	1343-03-21 05:23:16	1343-03-21 12:08:09	722	1343-03-21	C	1343-03-21 05:29:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
721	1342-03-21	C	1342-03-20 23:34:30	1342-03-20 12:08:23	721	1342-03-21	C	1342-03-20 23:41:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
720	1341-03-21	C	1341-03-20 17:50:10	1341-03-20 12:08:17	720	1341-03-21	C	1341-03-20 17:57:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
719	1340-03-20	L	1340-03-20 12:01:17	1340-03-20 12:08:13	719	1340-03-20	L	1340-03-20 12:07:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
718	1339-03-21	C	1339-03-21 06:10:49	1339-03-21 12:08:09	718	1339-03-21	C	1339-03-21 06:18:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
717	1338-03-21	C	1338-03-21 00:26:04	1338-03-21 12:08:04	717	1338-03-21	C	1338-03-21 00:33:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
716	1337-03-21	C	1337-03-20 18:44:04	1337-03-20 12:08:18	716	1337-03-21	C	1337-03-20 18:48:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
715	1336-03-21	C	1336-03-20 12:59:06	1336-03-20 12:08:13	715	1336-03-21	C	1336-03-20 13:00:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
714	1335-03-21	L	1335-03-21 07:07:03	1335-03-21 12:08:09	714	1335-03-21	L	1335-03-21 07:09:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
713	1334-03-21	C	1334-03-21 01:14:35	1334-03-21 12:08:05	713	1334-03-21	C	1334-03-21 01:21:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
712	1333-03-21	C	1333-03-20 19:28:34	1333-03-20 12:08:19	712	1333-03-21	C	1333-03-20 19:36:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
711	1332-03-21	C	1332-03-20 13:39:31	1332-03-20 12:08:15	711	1332-03-21	C	1332-03-20 13:46:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
710	1331-03-21	L	1331-03-21 07:47:29	1331-03-21 12:08:11	710	1331-03-21	L	1331-03-21 07:53:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
709	1330-03-21	C	1330-03-21 02:01:46	1330-03-21 12:08:05	709	1330-03-21	C	1330-03-21 02:07:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
708	1329-03-21	C	1329-03-20 20:16:05	1329-03-20 12:08:19	708	1329-03-21	C	1329-03-20 20:20:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
707	1328-03-21	C	1328-03-20 14:25:28	1328-03-20 12:08:15	707	1328-03-21	C	1328-03-20 14:29:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
706	1327-03-21	L	1327-03-21 08:32:48	1327-03-21 12:08:10	706	1327-03-21	L	1327-03-21 08:38:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
705	1326-03-21	C	1326-03-21 02:40:02	1326-03-21 12:08:06	705	1326-03-21	C	1326-03-21 02:47:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
704	1325-03-21	C	1325-03-20 20:54:07	1325-03-20 12:08:19	704	1325-03-21	C	1325-03-20 20:59:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
703	1324-03-21	C	1324-03-20 15:03:24	1324-03-20 12:08:15	703	1324-03-21	C	1324-03-20 15:07:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
702	1323-03-21	L	1323-03-21 09:05:23	1323-03-21 12:08:11	702	1323-03-21	L	1323-03-21 09:11:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
701	1322-03-21	C	1322-03-21 03:14:49	1322-03-21 12:08:07	701	1322-03-21	C	1322-03-21 03:23:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
700	1321-03-21	C	1321-03-20 21:28:34	1321-03-20 12:08:21	700	1321-03-21	C	1321-03-20 21:37:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
699	1320-03-21	C	1320-03-20 15:39:42	1320-03-20 12:08:17	699	1320-03-21	C	1320-03-20 15:45:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
698	1319-03-21	L	1319-03-21 09:53:25	1319-03-21 12:08:12	698	1319-03-21	L	1319-03-21 09:58:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
697	1318-03-21	C	1318-03-21 04:07:17	1318-03-21 12:08:08	697	1318-03-21	C	1318-03-21 04:13:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
696	1317-03-21	C	1317-03-20 22:24:17	1317-03-20 12:08:21	696	1317-03-21	C	1317-03-20 22:29:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
695	1316-03-21	C	1316-03-20 16:39:54	1316-03-20 12:08:16	695	1316-03-21	C	1316-03-20 16:45:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
694	1315-03-21	L	1315-03-21 10:46:27	1315-03-21 12:08:13	694	1315-03-21	L	1315-03-21 10:53:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
693	1314-03-21	C	1314-03-21 05:01:47	1314-03-21 12:08:07	693	1314-03-21	C	1314-03-21 05:09:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
692	1313-03-21	C	1313-03-20 23:20:01	1313-03-20 12:08:21	692	1313-03-21	C	1313-03-20 23:25:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
691	1312-03-21	C	1312-03-20 17:26:45	1312-03-20 12:08:17	691	1312-03-21	C	1312-03-20 17:29:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
690	1311-03-21	L	1311-03-21 11:33:27	1311-03-21 12:08:13	690	1311-03-21	L	1311-03-21 11:38:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
689	1310-03-21	C	1310-03-21 05:38:22	1310-03-21 12:08:09	689	1310-03-21	C	1310-03-21 05:47:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
688	1309-03-21	C	1309-03-20 23:45:35	1309-03-20 12:08:24	688	1309-03-21	C	1309-03-20 23:55:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
687	1308-03-21	C	1308-03-20 17:58:23	1308-03-20 12:08:16	687	1308-03-21	C	1308-03-20 18:06:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
686	1307-03-21	L	1307-03-21 12:01:25	1307-03-21 12:08:15	686	1307-03-22	L	1307-03-21 12:09:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	1307-03-21 12:04:00	1307-03-21 12:07:49	1307-03-21
685	1306-03-21	C	1306-03-21 06:14:20	1306-03-21 12:08:09	685	1306-03-21	L	1306-03-21 06:22:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			
684	1305-03-21	C	1305-03-21 00:32:43	1305-03-21 12:08:03	684	1305-03-21	C	1305-03-21 00:38:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
683	1304-03-21	C	1304-03-20 18:38:49	1304-03-20 12:08:19	683	1304-03-21	C	1304-03-20 18:44:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
682	1303-03-22	C	1303-03-21 12:51:26	1303-03-21 12:08:14	682	1303-03-22	C	1303-03-21 12:57:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			

Table: Comparison of Nowruz / Vernal Equinox calculations across software and authors

	Kstars software				timeanddate.com				Sayyad		Behruz / Birashk		Akrami		Rezazadeh-malek		Abdollahi		Kaveh		Accurate times software		
Nowruz date	Persian year	Nowruz cmp to sun transit (Greg)	Sun transit ref L/C	Vernal Equinox	Sun Transit noon time	Persian year	Nowruz cmp to sun transit (Greg)	Sun transit ref L/C	Vernal Equinox	Sayyad cmp kstars	Sayyad cmp timeanddate	Birashk cmp kstars	Birashk cmp timeanddate	Akrami cmp kstars	Akrami cmp timeanddate	Malekzadeh cmp kstars	Malekzadeh cmp timeanddate	Abdollahi cmp kstars	Abdollahi cmp timeanddate	Kaveh cmp kstars	Kaveh cmp timeanddate	Vernal Equinox	Sun Transit noon time	Nowruz cmp to sun transit (Greg)
	681	1302-03-21	L	1302-03-21 07:04:59	1302-03-21 12:08:09	681	1302-03-21	L	1302-03-21 07:11:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	680	1301-03-21	C	1301-03-21 01:18:11	1301-03-21 12:08:04	680	1301-03-21	C	1301-03-21 01:22:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	679	1300-03-21	C	1300-03-20 19:34:31	1300-03-20 12:08:18	679	1300-03-21	C	1300-03-20 19:37:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	678	1299-03-21	C	1299-03-20 13:36:51	1299-03-20 12:08:15	678	1299-03-21	C	1299-03-20 13:43:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	677	1298-03-20	L	1298-03-20 07:46:56	1298-03-20 12:08:11	677	1298-03-20	L	1298-03-20 07:57:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	676	1297-03-20	C	1297-03-20 02:06:35	1297-03-20 12:08:05	676	1297-03-20	C	1297-03-20 02:16:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	675	1296-03-21	C	1296-03-19 20:13:21	1296-03-19 12:08:21	675	1296-03-20	C	1296-03-19 20:20:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	674	1295-03-21	C	1295-03-20 14:27:27	1295-03-20 12:08:16	674	1295-03-21	C	1295-03-20 14:34:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	673	1294-03-20	L	1294-03-20 08:41:51	1294-03-20 12:08:11	673	1294-03-20	L	1294-03-20 08:49:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	672	1293-03-20	C	1293-03-20 02:51:51	1293-03-20 12:08:06	672	1293-03-20	C	1293-03-20 02:59:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	671	1292-03-20	C	1292-03-19 21:06:23	1292-03-19 12:08:20	671	1292-03-20	C	1292-03-19 21:14:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	670	1291-03-21	C	1291-03-20 15:09:51	1291-03-20 12:08:17	670	1291-03-21	C	1291-03-20 15:19:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	669	1290-03-20	L	1290-03-20 09:19:15	1290-03-20 12:08:12	669	1290-03-20	L	1290-03-20 09:28:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	668	1289-03-20	C	1289-03-20 03:38:50	1289-03-20 12:08:05	668	1289-03-20	C	1289-03-20 03:44:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	667	1288-03-20	C	1288-03-19 21:40:07	1288-03-19 12:08:21	667	1288-03-20	C	1288-03-19 21:43:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	666	1287-03-21	C	1287-03-20 15:45:07	1287-03-20 12:08:17	666	1287-03-21	C	1287-03-20 15:51:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	665	1286-03-20	L	1286-03-20 09:55:34	1286-03-20 12:08:12	665	1286-03-20	L	1286-03-20 10:05:16	TRUE	TRUE	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**			
	664	1285-03-20	C	1285-03-20 04:01:28	1285-03-20 12:08:08	664	1285-03-20	C	1285-03-20 04:11:16	TRUE	TRUE	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**			
	663	1284-03-20	C	1284-03-19 22:18:23	1284-03-19 12:08:22	663	1284-03-20	C	1284-03-19 22:26:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	662	1283-03-21	C	1283-03-20 16:26:51	1283-03-20 12:08:18	662	1283-03-21	C	1283-03-20 16:35:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	661	1282-03-20	L	1282-03-20 10:38:42	1282-03-20 12:08:13	661	1282-03-20	L	1282-03-20 10:47:16	TRUE	TRUE	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**			
	660	1281-03-20	C	1281-03-20 05:03:41	1281-03-20 12:08:07	660	1281-03-20	C	1281-03-20 05:11:16	TRUE	TRUE	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**			
	659	1280-03-20	C	1280-03-19 23:10:39	1280-03-19 12:08:23	659	1280-03-20	C	1280-03-19 23:18:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	658	1279-03-21	C	1279-03-20 17:22:14	1279-03-20 12:08:18	658	1279-03-21	C	1279-03-20 17:31:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	657	1278-03-20	L	1278-03-20 11:42:42	1278-03-20 12:08:13	657	1278-03-20	L	1278-03-20 11:51:16	TRUE	TRUE	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**			
	656	1277-03-20	C	1277-03-20 05:50:56	1277-03-20 12:08:08	656	1277-03-20	C	1277-03-20 05:57:16	TRUE	TRUE	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**			
	655	1276-03-20	C	1276-03-20 00:05:50	1276-03-20 12:08:03	655	1276-03-20	C	1276-03-20 00:11:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	654	1275-03-21	C	1275-03-20 18:08:56	1275-03-20 12:08:19	654	1275-03-21	C	1275-03-20 18:18:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	653	1274-03-21	C	1274-03-20 12:12:18	1274-03-20 12:08:16	653	1274-03-21	C	1274-03-20 12:24:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	652	1273-03-20	L	1273-03-20 06:32:55	1273-03-20 12:08:09	652	1273-03-20	L	1273-03-20 06:43:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	651	1272-03-20	C	1272-03-20 00:36:31	1272-03-20 12:08:05	651	1272-03-20	C	1272-03-20 00:44:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	650	1271-03-21	C	1271-03-20 18:44:12	1271-03-20 12:08:20	650	1271-03-21	C	1271-03-20 18:51:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	649	1270-03-21	C	1270-03-20 13:01:54	1270-03-20 12:08:14	649	1270-03-21	C	1270-03-20 13:09:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	648	1269-03-20	L	1269-03-20 07:06:50	1269-03-20 12:08:10	648	1269-03-20	L	1269-03-20 07:14:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	647	1268-03-20	C	1268-03-20 01:20:04	1268-03-20 12:08:05	647	1268-03-20	C	1268-03-20 01:27:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	646	1267-03-21	C	1267-03-20 19:28:17	1267-03-20 12:08:20	646	1267-03-21	C	1267-03-20 19:38:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	645	1266-03-21	C	1266-03-20 13:35:30	1266-03-20 12:08:16	645	1266-03-21	C	1266-03-20 13:45:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	644	1265-03-20	L	1265-03-20 07:59:18	1265-03-20 12:08:09	644	1265-03-20	L	1265-03-20 08:05:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	643	1264-03-20	C	1264-03-20 02:03:34	1264-03-20 12:08:06	643	1264-03-20	C	1264-03-20 02:10:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	642	1263-03-21	C	1263-03-20 20:07:58	1263-03-20 12:08:22	642	1263-03-21	C	1263-03-20 20:17:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	641	1262-03-21	C	1262-03-20 14:26:17	1262-03-20 12:08:16	641	1262-03-21	C	1262-03-20 14:39:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	640	1261-03-20	L	1261-03-20 08:34:31	1261-03-20 12:08:12	640	1261-03-20	L	1261-03-20 08:46:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	639	1260-03-20	C	1260-03-20 02:50:29	1260-03-20 12:08:07	639	1260-03-20	C	1260-03-20 03:00:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	638	1259-03-21	C	1259-03-20 21:04:49	1259-03-20 12:08:22	638	1259-03-21	C	1259-03-20 21:15:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	637	1258-03-21	C	1258-03-20 15:13:01	1258-03-20 12:08:18	637	1258-03-21	C	1258-03-20 15:23:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	636	1257-03-20	L	1257-03-20 09:36:45	1257-03-20 12:08:11	636	1257-03-20	L	1257-03-20 09:46:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	**FALSE**	**FALSE**			
	635	1256-03-20	C	1256-03-20 03:44:04	1256-03-20 12:08:07	635	1256-03-20	C	1256-03-20 03:52:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	**FALSE**	**FALSE**			
	634	1255-03-21	C	1255-03-20 21:48:19	1255-03-20 12:08:22	634	1255-03-21	C	1255-03-20 21:57:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	633	1254-03-21	C	1254-03-20 16:08:51	1254-03-20 12:08:16	633	1254-03-21	C	1254-03-20 16:17:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	632	1253-03-20	L	1253-03-20 10:13:23	1253-03-20 12:08:12	632	1253-03-20	L	1253-03-20 10:19:16	TRUE	TRUE	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**			
	631	1252-03-20	C	1252-03-20 04:19:22	1252-03-20 12:08:08	631	1252-03-20	C	1252-03-20 04:26:16	TRUE	TRUE	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**			
	630	1251-03-21	C	1251-03-20 22:25:09	1251-03-20 12:08:23	630	1251-03-21	C	1251-03-20 22:36:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	629	1250-03-21	C	1250-03-20 16:25:05	1250-03-20 12:08:20	629	1250-03-21	C	1250-03-20 16:39:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	628	1249-03-20	L	1249-03-20 10:44:48	1249-03-20 12:08:13	628	1249-03-20	L	1249-03-20 10:56:16	TRUE	TRUE	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**			
	627	1248-03-20	C	1248-03-20 04:54:13	1248-03-20 12:08:09	627	1248-03-20	C	1248-03-20 05:03:16	TRUE	TRUE	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**			
	626	1247-03-21	C	1247-03-20 22:59:06	1247-03-20 12:08:25	626	1247-03-21	C	1247-03-20 23:09:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	625	1246-03-21	C	1246-03-20 17:23:22	1246-03-20 12:08:18	625	1246-03-21	C	1246-03-20 17:33:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	624	1245-03-20	L	1245-03-20 11:32:48	1245-03-20 12:08:14	624	1245-03-20	L	1245-03-20 11:43:16	TRUE	TRUE	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**			
	623	1244-03-20	C	1244-03-20 05:44:58	1244-03-20 12:08:09	623	1244-03-20	C	1244-03-20 05:55:16	TRUE	TRUE	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**	**FALSE**			
	622	1243-03-21	C	1243-03-21 00:01:36	1243-03-21 12:08:04	622	1243-03-21	C	1243-03-21 00:13:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	621	1242-03-21	C	1242-03-20 18:10:19	1242-03-20 12:08:20	621	1242-03-21	C	1242-03-20 18:20:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	620	1241-03-21	C	1241-03-20 12:32:54	1241-03-20 12:08:13	620	1241-03-21	C	1241-03-20 12:40:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	619	1240-03-20	L	1240-03-20 06:41:32	1240-03-20 12:08:09	619	1240-03-20	L	1240-03-20 06:49:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	618	1239-03-21	C	1239-03-21 00:41:17	1239-03-21 12:08:06	618	1239-03-21	C	1239-03-21 00:51:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	617	1238-03-21	C	1238-03-20 19:00:08	1238-03-20 12:08:20	617	1238-03-21	C	1238-03-20 19:12:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	616	1237-03-21	C	1237-03-20 13:08:09	1237-03-20 12:08:16	616	1237-03-21	C	1237-03-20 13:19:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	615	1236-03-20	L	1236-03-20 07:15:34	1236-03-20 12:08:11	615	1236-03-20	L	1236-03-20 07:25:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	614	1235-03-21	C	1235-03-21 01:29:02	1235-03-21 12:08:06	614	1235-03-21	C	1235-03-21 01:40:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	613	1234-03-21	C	1234-03-20 19:33:23	1234-03-20 12:08:21	613	1234-03-21	C	1234-03-20 19:45:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	612	1233-03-21	C	1233-03-20 13:50:05	1233-03-20 12:08:15	612	1233-03-21	C	1233-03-20 14:01:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	611	1232-03-20	L	1232-03-20 07:59:12	1232-03-20 12:08:11	611	1232-03-20	L	1232-03-20 08:10:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	610	1231-03-21	C	1231-03-21 02:01:09	1231-03-21 12:08:06	610	1231-03-21	C	1231-03-21 02:12:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	609	1230-03-21	C	1230-03-20 20:21:31	1230-03-20 12:08:20	609	1230-03-21	C	1230-03-20 20:32:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	608	1229-03-21	C	1229-03-20 14:31:43	1229-03-20 12:08:16	608	1229-03-21	C	1229-03-20 14:40:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	607	1228-03-20	L	1228-03-20 08:34:43	1228-03-20 12:08:12	607	1228-03-20	L	1228-03-20 08:44:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	606	1227-03-21	C	1227-03-21 02:46:41	1227-03-21 12:08:07	606	1227-03-21	C	1227-03-21 03:01:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	605	1226-03-21	C	1226-03-20 20:53:23	1226-03-20 12:08:23	605	1226-03-21	C	1226-03-20 21:09:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			

Persian year	Nowruz date (calut)	L/C	Kstars Vernal Equinox	Kstars Sun Transit noon time	Persian year (t&d)	Nowruz date (t&d)	L/C	t&d Vernal Equinox	Sayyad→kstars	Sayyad→t&d	Birashk→kstars	Birashk→t&d	Akrami→kstars	Akrami→t&d	Malek→kstars	Malek→t&d	Abdollahi→kstars	Abdollahi→t&d	Kaveh→kstars	Kaveh→t&d
604	1225-03-21	C	1225-03-20 15:12:35	1225-03-20 12:08:17	604	1225-03-21	C	1225-03-20 15:25:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
603	1224-03-20	L	1224-03-20 09:29:30	1224-03-20 12:08:12	603	1224-03-20	L	1224-03-20 09:39:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
602	1223-03-21	C	1223-03-21 03:35:51	1223-03-21 12:08:09	602	1223-03-21	C	1223-03-21 03:46:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE
601	1222-03-21	C	1222-03-20 21:58:52	1222-03-20 12:08:22	601	1222-03-21	C	1222-03-20 22:09:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
600	1221-03-21	C	1221-03-20 16:12:55	1221-03-20 12:08:17	600	1221-03-21	C	1221-03-20 16:23:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
599	1220-03-20	L	1220-03-20 10:18:19	1220-03-20 12:08:13	599	1220-03-20	L	1220-03-20 10:29:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
598	1219-03-21	C	1219-03-21 04:33:21	1219-03-21 12:08:08	598	1219-03-21	C	1219-03-21 04:45:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
597	1218-03-21	C	1218-03-20 22:41:13	1218-03-20 12:08:23	597	1218-03-21	C	1218-03-20 22:53:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
596	1217-03-21	C	1217-03-20 16:53:05	1217-03-20 12:08:18	596	1217-03-21	C	1217-03-20 17:03:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
595	1216-03-20	L	1216-03-20 11:00:51	1216-03-20 12:08:16	595	1216-03-20	L	1216-03-20 11:11:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
594	1215-03-21	C	1215-03-21 04:57:11	1215-03-21 12:08:11	594	1215-03-21	C	1215-03-21 05:11:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
593	1214-03-21	C	1214-03-20 23:12:19	1214-03-20 12:08:24	593	1214-03-21	C	1214-03-20 23:27:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
592	1213-03-21	C	1213-03-20 17:24:17	1213-03-20 12:08:18	592	1213-03-21	C	1213-03-20 17:36:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
591	1212-03-20	L	1212-03-20 11:29:06	1212-03-20 12:08:15	591	1212-03-20	L	1212-03-20 11:39:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
590	1211-03-21	C	1211-03-21 05:43:52	1211-03-21 12:08:10	590	1211-03-21	C	1211-03-21 05:56:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
589	1210-03-21	C	1210-03-20 23:54:47	1210-03-20 12:08:25	589	1210-03-21	C	1210-03-21 00:08:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
588	1209-03-21	C	1209-03-20 18:09:50	1209-03-20 12:08:19	588	1209-03-21	C	1209-03-20 18:21:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
587	1208-03-21	C	1208-03-20 12:24:51	1208-03-20 12:08:14	587	1208-03-21	C	1208-03-20 12:36:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
586	1207-03-21	L	1207-03-21 06:32:25	1207-03-21 12:08:10	586	1207-03-21	L	1207-03-21 06:43:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
585	1206-03-21	C	1206-03-21 00:52:47	1206-03-21 12:08:04	585	1206-03-21	C	1206-03-21 01:02:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
584	1205-03-21	C	1205-03-20 19:08:18	1205-03-20 12:08:19	584	1205-03-21	C	1205-03-20 19:16:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
583	1204-03-21	C	1204-03-20 13:10:46	1204-03-20 12:08:16	583	1204-03-21	C	1204-03-20 13:21:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
582	1203-03-21	L	1203-03-21 07:20:58	1203-03-21 12:08:11	582	1203-03-21	L	1203-03-21 07:36:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
581	1202-03-21	C	1202-03-21 01:31:35	1202-03-21 12:08:07	581	1202-03-21	C	1202-03-21 01:48:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
580	1201-03-21	C	1201-03-20 19:44:44	1201-03-20 12:08:22	580	1201-03-21	C	1201-03-20 19:58:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
579	1200-03-21	C	1200-03-20 13:57:53	1200-03-20 12:08:16	579	1200-03-21	C	1200-03-20 14:10:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
578	1199-03-21	L	1199-03-21 08:04:15	1199-03-21 12:08:12	578	1199-03-21	L	1199-03-21 08:17:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
577	1198-03-21	C	1198-03-21 02:18:42	1198-03-21 12:08:07	577	1198-03-21	C	1198-03-21 02:32:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
576	1197-03-21	C	1197-03-20 20:32:51	1197-03-20 12:08:21	576	1197-03-21	C	1197-03-20 20:45:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
575	1196-03-21	C	1196-03-20 14:35:42	1196-03-20 12:08:17	575	1196-03-21	C	1196-03-20 14:48:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
574	1195-03-21	L	1195-03-21 08:46:21	1195-03-21 12:08:12	574	1195-03-21	L	1195-03-21 08:59:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
573	1194-03-21	C	1194-03-21 02:58:41	1194-03-21 12:08:07	573	1194-03-21	C	1194-03-21 03:10:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
572	1193-03-21	C	1193-03-20 21:07:16	1193-03-20 12:08:22	572	1193-03-21	C	1193-03-20 21:17:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
571	1192-03-21	C	1192-03-20 15:15:04	1192-03-20 12:08:17	571	1192-03-21	C	1192-03-20 15:27:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
570	1191-03-21	L	1191-03-21 09:19:12	1191-03-21 12:08:14	570	1191-03-21	L	1191-03-21 09:34:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
569	1190-03-21	C	1190-03-21 03:33:53	1190-03-21 12:08:08	569	1190-03-21	C	1190-03-21 03:49:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
568	1189-03-21	C	1189-03-20 21:52:13	1189-03-20 12:08:23	568	1189-03-21	C	1189-03-20 22:04:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
567	1188-03-21	C	1188-03-20 16:01:17	1188-03-20 12:08:19	567	1188-03-21	C	1188-03-20 16:12:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
566	1187-03-21	L	1187-03-21 10:15:04	1187-03-21 12:08:08	566	1187-03-21	L	1187-03-21 10:28:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
565	1186-03-21	C	1186-03-21 04:32:19	1186-03-21 12:08:08	565	1186-03-21	C	1186-03-21 04:46:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
564	1185-03-21	C	1185-03-20 22:45:37	1185-03-20 12:08:23	564	1185-03-21	C	1185-03-20 22:59:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
563	1184-03-21	C	1184-03-20 16:58:25	1184-03-20 12:08:18	563	1184-03-21	C	1184-03-20 17:11:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
562	1183-03-21	L	1183-03-21 11:08:40	1183-03-21 12:08:14	562	1183-03-21	L	1183-03-21 11:22:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
561	1182-03-21	C	1182-03-21 05:23:28	1182-03-21 12:08:09	561	1182-03-21	C	1182-03-21 05:35:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
560	1181-03-21	C	1181-03-20 23:35:17	1181-03-20 12:08:23	560	1181-03-21	C	1181-03-20 23:45:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
559	1180-03-21	C	1180-03-20 17:36:49	1180-03-20 12:08:20	559	1180-03-21	C	1180-03-20 17:49:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
558	1179-03-21	L	1179-03-21 11:40:39	1179-03-21 12:08:16	558	1179-03-21	L	1179-03-21 11:57:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
557	1178-03-21	C	1178-03-21 05:52:38	1178-03-21 12:08:10	557	1178-03-21	C	1178-03-21 06:09:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
556	1177-03-21	C	1177-03-21 00:03:55	1177-03-21 12:08:05	556	1177-03-21	C	1177-03-21 00:17:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
555	1176-03-21	C	1176-03-20 18:12:23	1176-03-20 12:08:20	555	1176-03-21	C	1176-03-20 18:24:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
554	1175-03-22	C	1175-03-21 12:22:46	1175-03-21 12:08:15	554	1175-03-22	C	1175-03-21 12:35:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
553	1174-03-21	L	1174-03-21 06:36:15	1174-03-21 12:08:10	553	1174-03-21	L	1174-03-21 06:49:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
552	1173-03-21	C	1173-03-21 00:50:08	1173-03-21 12:08:05	552	1173-03-21	C	1173-03-21 01:02:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
551	1172-03-21	C	1172-03-20 18:59:30	1172-03-20 12:08:20	551	1172-03-21	C	1172-03-20 19:12:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
550	1171-03-22	C	1171-03-21 13:09:24	1171-03-21 12:08:16	550	1171-03-22	C	1171-03-21 13:23:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
549	1170-03-21	L	1170-03-21 07:26:11	1170-03-21 12:08:10	549	1170-03-21	L	1170-03-21 07:39:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
548	1169-03-21	C	1169-03-21 01:38:52	1169-03-21 12:08:06	548	1169-03-21	C	1169-03-21 01:51:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
547	1168-03-21	C	1168-03-20 19:43:49	1168-03-20 12:08:22	547	1168-03-21	C	1168-03-20 19:59:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
546	1167-03-22	C	1167-03-21 13:55:17	1167-03-21 12:08:17	546	1167-03-22	C	1167-03-21 14:12:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
545	1166-03-21	L	1166-03-21 08:10:13	1166-03-21 12:08:12	545	1166-03-21	L	1166-03-21 08:27:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
544	1165-03-21	C	1165-03-21 02:25:51	1165-03-21 12:08:07	544	1165-03-21	C	1165-03-21 02:39:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
543	1164-03-22	C	1164-03-20 20:37:35	1164-03-20 12:08:22	543	1164-03-22	C	1164-03-20 20:50:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
542	1163-03-22	C	1163-03-21 14:45:43	1163-03-21 12:08:18	542	1163-03-22	C	1163-03-21 15:00:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
541	1162-03-21	L	1162-03-21 09:00:38	1162-03-21 12:08:12	541	1162-03-21	L	1162-03-21 09:15:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
540	1161-03-21	C	1161-03-21 03:13:16	1161-03-21 12:08:08	540	1161-03-21	C	1161-03-21 03:27:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
539	1160-03-21	C	1160-03-20 21:18:10	1160-03-20 12:08:22	539	1160-03-21	C	1160-03-20 21:31:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
538	1159-03-22	C	1159-03-21 15:29:32	1159-03-21 12:08:17	538	1159-03-22	C	1159-03-21 15:42:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
537	1158-03-21	L	1158-03-21 09:41:45	1158-03-21 12:08:12	537	1158-03-21	L	1158-03-21 09:52:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
536	1157-03-21	C	1157-03-21 03:48:05	1157-03-21 12:08:07	536	1157-03-21	C	1157-03-21 03:58:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
535	1156-03-22	C	1156-03-20 21:53:00	1156-03-20 12:08:23	535	1156-03-22	C	1156-03-20 22:06:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
534	1155-03-22	C	1155-03-21 15:56:23	1155-03-21 12:08:20	534	1155-03-22	C	1155-03-21 16:14:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
533	1154-03-21	L	1154-03-21 10:10:20	1154-03-21 12:08:14	533	1154-03-21	L	1154-03-21 10:27:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
532	1153-03-21	C	1153-03-21 04:27:30	1153-03-21 12:08:09	532	1153-03-21	C	1153-03-21 04:42:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
531	1152-03-21	C	1152-03-20 22:35:47	1152-03-20 12:08:24	531	1152-03-21	C	1152-03-20 22:49:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
530	1151-03-21	C	1151-03-21 16:51:16	1151-03-21 12:08:16	530	1151-03-21	C	1151-03-21 17:06:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
529	1150-03-21	L	1150-03-21 11:10:50	1150-03-21 12:08:14	529	1150-03-21	L	1150-03-21 11:25:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
528	1149-03-21	C	1149-03-21 05:22:50	1149-03-21 12:08:09	528	1149-03-21	C	1149-03-21 05:36:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

Nowruz date	Persian year (Kstars)	Nowruz cmp sun transit (K)	Leap/common (K)	Vernal Equinox (K)	Sun Transit noon time (K)	Persian year (T)	Nowruz cmp sun transit (T)	Leap/common (T)	Vernal Equinox (T)	Sayyad / kstars	Sayyad / timeanddate	Birashk / kstars	Birashk / timeanddate	Akrami / kstars	Akrami / timeanddate	Malekzadeh / kstars	Malekzadeh / timeanddate	Abdollahi / kstars	Abdollahi / timeanddate	Kaveh / kstars	Kaveh / timeanddate	Accurate Vernal Equinox	Accurate Sun Transit	Accurate Nowruz
	527	1148-03-21	C	1148-03-20 23:37:38	1148-03-20 12:08:24	527	1148-03-21	C	1148-03-20 23:50:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	526	1147-03-22	C	1147-03-21 17:47:50	1147-03-21 12:08:19	526	1147-03-22	C	1147-03-21 18:01:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	525	1146-03-21	L	1146-03-21 12:00:38	1146-03-21 12:08:14	525	1146-03-22	C	1146-03-21 12:13:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	1146-03-21 12:03:43	1146-03-21 12:07:49	1146-03-21
	524	1145-03-21	C	1145-03-21 06:14:33	1145-03-21 12:08:09	524	1145-03-21	L	1145-03-21 06:27:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			
	523	1144-03-21	C	1144-03-21 00:13:30	1144-03-21 12:08:06	523	1144-03-21	C	1144-03-21 00:29:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	522	1143-03-22	C	1143-03-21 18:22:19	1143-03-21 12:08:21	522	1143-03-22	C	1143-03-21 18:39:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	521	1142-03-21	C	1142-03-21 12:38:22	1142-03-21 12:08:22	521	1142-03-21	C	1142-03-21 12:53:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	520	1141-03-21	L	1141-03-21 06:45:10	1141-03-21 12:08:11	520	1141-03-21	L	1141-03-21 06:57:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	519	1140-03-21	C	1140-03-21 00:56:25	1140-03-21 12:08:06	519	1140-03-21	C	1140-03-21 01:09:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	518	1139-03-22	C	1139-03-21 19:03:17	1139-03-21 12:08:21	518	1139-03-22	C	1139-03-21 19:18:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	517	1138-03-22	C	1138-03-21 13:12:38	1138-03-21 12:08:16	517	1138-03-22	C	1138-03-21 13:29:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	516	1137-03-21	L	1137-03-21 07:29:51	1137-03-21 12:08:10	516	1137-03-21	L	1137-03-21 07:45:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	515	1136-03-21	C	1136-03-21 01:33:18	1136-03-21 12:08:07	515	1136-03-21	C	1136-03-21 01:49:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	514	1135-03-22	C	1135-03-21 19:46:55	1135-03-21 12:08:21	514	1135-03-22	C	1135-03-21 20:01:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	513	1134-03-22	C	1134-03-21 14:06:21	1134-03-21 12:08:16	513	1134-03-22	C	1134-03-21 14:19:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	512	1133-03-21	L	1133-03-21 08:11:47	1133-03-21 12:08:12	512	1133-03-21	L	1133-03-21 08:24:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	511	1132-03-21	C	1132-03-21 02:22:28	1132-03-21 12:08:07	511	1132-03-21	C	1132-03-21 02:37:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	510	1131-03-22	C	1131-03-21 20:32:37	1131-03-21 12:08:23	510	1131-03-22	C	1131-03-21 20:50:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	509	1130-03-22	C	1130-03-21 14:45:22	1130-03-21 12:08:18	509	1130-03-22	C	1130-03-21 15:02:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	508	1129-03-21	L	1129-03-21 09:07:10	1129-03-21 12:08:12	508	1129-03-21	L	1129-03-21 09:21:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	507	1128-03-22	C	1128-03-21 03:13:51	1128-03-21 12:08:08	507	1128-03-22	C	1128-03-21 03:27:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	506	1127-03-22	C	1127-03-21 21:25:54	1127-03-21 12:08:23	506	1127-03-22	C	1127-03-21 21:41:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	505	1126-03-22	C	1126-03-21 15:47:02	1126-03-21 12:08:17	505	1126-03-22	C	1126-03-21 16:02:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	504	1125-03-21	L	1125-03-21 09:52:23	1125-03-21 12:08:13	504	1125-03-21	L	1125-03-21 10:05:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	503	1124-03-21	C	1124-03-21 04:03:06	1124-03-21 12:08:08	503	1124-03-21	C	1124-03-21 04:16:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	502	1123-03-22	C	1123-03-21 22:12:49	1123-03-21 12:08:23	502	1123-03-22	C	1123-03-21 22:26:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	501	1122-03-22	C	1122-03-21 16:17:10	1122-03-21 12:08:18	501	1122-03-22	C	1122-03-21 16:31:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	500	1121-03-21	L	1121-03-21 10:29:06	1121-03-21 12:08:13	500	1121-03-21	L	1121-03-21 10:44:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	499	1120-03-21	C	1120-03-21 04:28:00	1120-03-21 12:08:10	499	1120-03-21	C	1120-03-21 04:45:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	498	1119-03-22	C	1119-03-21 22:33:22	1119-03-21 12:08:25	498	1119-03-22	C	1119-03-21 22:53:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	497	1118-03-22	C	1118-03-21 16:56:19	1118-03-21 12:08:19	497	1118-03-22	C	1118-03-21 17:13:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	496	1117-03-21	L	1117-03-21 11:03:26	1117-03-21 12:08:15	496	1117-03-21	L	1117-03-21 11:17:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	495	1116-03-21	C	1116-03-21 05:16:26	1116-03-21 12:08:09	495	1116-03-21	C	1116-03-21 05:30:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	494	1115-03-22	C	1115-03-21 23:32:31	1115-03-21 12:08:24	494	1115-03-22	C	1115-03-21 23:48:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	493	1114-03-22	C	1114-03-21 17:41:41	1114-03-21 12:08:20	493	1114-03-22	C	1114-03-21 17:58:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	492	1113-03-21	L	1113-03-21 12:03:10	1113-03-21 12:08:14	492	1113-03-22	C	1113-03-21 12:18:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	1113-03-21 12:06:20	1113-03-21 12:07:48	1113-03-21
	491	1112-03-21	C	1112-03-21 06:11:56	1112-03-21 12:08:10	491	1112-03-21	L	1112-03-21 06:26:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			
	490	1111-03-22	C	1111-03-22 00:21:50	1111-03-22 12:08:05	490	1111-03-22	C	1111-03-22 00:36:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	489	1110-03-22	C	1110-03-21 18:45:15	1110-03-21 12:08:19	489	1110-03-22	C	1110-03-21 18:58:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	488	1109-03-22	C	1109-03-21 12:47:35	1109-03-21 12:08:16	488	1109-03-22	C	1109-03-21 13:01:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	487	1108-03-21	L	1108-03-21 06:53:19	1108-03-21 12:08:11	487	1108-03-21	L	1108-03-21 07:10:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	486	1107-03-22	C	1107-03-22 01:06:42	1107-03-22 12:08:06	486	1107-03-22	C	1107-03-22 01:25:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	485	1106-03-22	C	1106-03-21 19:12:06	1106-03-21 12:08:22	485	1106-03-22	C	1106-03-21 19:30:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	484	1105-03-22	C	1105-03-21 13:29:54	1105-03-21 12:08:16	484	1105-03-22	C	1105-03-21 13:45:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	483	1104-03-21	L	1104-03-21 07:35:25	1104-03-21 12:08:12	483	1104-03-21	L	1104-03-21 07:52:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	482	1103-03-22	C	1103-03-22 01:40:24	1103-03-22 12:08:07	482	1103-03-22	C	1103-03-22 01:58:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	481	1102-03-22	C	1102-03-21 20:02:24	1102-03-21 12:08:20	481	1102-03-22	C	1102-03-21 20:19:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	480	1101-03-22	C	1101-03-21 14:07:48	1101-03-21 12:08:16	480	1101-03-22	C	1101-03-21 14:22:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	479	1100-03-21	C	1100-03-21 08:15:40	1100-03-21 12:08:12	479	1100-03-21	L	1100-03-21 08:29:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	478	1099-03-21	C	1099-03-21 02:32:23	1099-03-21 12:08:06	478	1099-03-21	C	1099-03-21 02:46:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	477	1098-03-21	C	1098-03-20 20:37:05	1098-03-20 12:08:22	477	1098-03-21	C	1098-03-20 20:51:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	476	1097-03-21	C	1097-03-20 14:50:26	1097-03-20 12:08:17	476	1097-03-21	C	1097-03-20 15:06:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	475	1096-03-20	L	1096-03-20 08:57:30	1096-03-20 12:08:13	475	1096-03-20	L	1096-03-20 09:16:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE			
	474	1095-03-21	C	1095-03-21 03:03:41	1095-03-21 12:08:09	474	1095-03-21	C	1095-03-21 03:22:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE			
	473	1094-03-21	C	1094-03-20 21:30:48	1094-03-20 12:08:22	473	1094-03-21	C	1094-03-20 21:47:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	472	1093-03-21	C	1093-03-20 15:41:56	1093-03-20 12:08:17	472	1093-03-21	C	1093-03-20 15:55:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	471	1092-03-20	L	1092-03-20 09:50:46	1092-03-20 12:08:14	471	1092-03-20	L	1092-03-20 10:05:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	470	1091-03-21	C	1091-03-21 04:10:35	1091-03-21 12:08:08	470	1091-03-21	C	1091-03-21 04:28:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	469	1090-03-21	C	1090-03-20 22:18:09	1090-03-20 12:08:24	469	1090-03-21	C	1090-03-20 22:36:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	468	1089-03-21	C	1089-03-20 16:32:57	1089-03-20 12:08:18	468	1089-03-21	C	1089-03-20 16:50:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	467	1088-03-20	L	1088-03-20 10:44:00	1088-03-20 12:08:13	467	1088-03-20	L	1088-03-20 11:00:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	466	1087-03-21	C	1087-03-21 04:46:19	1087-03-21 12:08:09	466	1087-03-21	C	1087-03-21 05:03:16	TRUE	TRUE	FALSE	FALSE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	465	1086-03-21	C	1086-03-20 23:05:34	1086-03-20 12:08:23	465	1086-03-21	C	1086-03-20 23:21:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	464	1085-03-21	C	1085-03-20 17:07:52	1085-03-20 12:08:19	464	1085-03-21	C	1085-03-20 17:24:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	463	1084-03-20	L	1084-03-20 11:06:51	1084-03-20 12:08:10	463	1084-03-20	L	1084-03-20 11:25:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	462	1083-03-21	C	1083-03-21 05:23:36	1083-03-21 12:08:10	462	1083-03-21	C	1083-03-21 05:43:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	461	1082-03-21	C	1082-03-20 23:30:21	1082-03-20 12:08:25	461	1082-03-21	C	1082-03-20 23:48:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	460	1081-03-21	C	1081-03-20 17:44:18	1081-03-20 12:08:20	460	1081-03-21	C	1081-03-20 18:00:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	459	1080-03-20	L	1080-03-20 11:57:02	1080-03-20 12:08:15	459	1080-03-21	C	1080-03-20 12:13:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	1080-03-20 11:59:30	1080-03-20 12:07:49	1080-03-20
	458	1079-03-21	C	1079-03-21 06:02:10	1079-03-21 12:08:11	458	1079-03-21	L	1079-03-21 06:20:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			
	457	1078-03-21	C	1078-03-21 00:26:10	1078-03-21 12:08:04	457	1078-03-21	C	1078-03-21 00:43:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	456	1077-03-20	C	1077-03-20 18:38:32	1077-03-20 12:08:20	456	1077-03-20	C	1077-03-20 18:54:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	455	1076-03-20	C	1076-03-20 12:44:34	1076-03-20 12:08:16	455	1076-03-20	C	1076-03-20 13:00:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	454	1075-03-21	L	1075-03-21 07:05:36	1075-03-21 12:08:10	454	1075-03-21	L	1075-03-21 07:21:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	453	1074-03-21	C	1074-03-21 01:12:42	1074-03-21 12:08:06	453	1074-03-21	C	1074-03-21 01:30:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	452	1073-03-21	C	1073-03-20 19:21:57	1073-03-20 12:08:21	452	1073-03-21	C	1073-03-20 19:40:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	451	1072-03-21	C	1072-03-20 13:32:45	1072-03-20 12:08:17	451	1072-03-21	C	1072-03-20 13:54:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			

calendar.ut.ac.ir Nowruz date	Persian year	Nowruz compared to sun transit by Gregorian calendar	Sun transit referenced Leap or common	Vernal Equinox	Sun Transit noon time	Persian year	Nowruz compared to sun transit by Gregorian calendar	Sun transit referenced Leap or common	Vernal Equinox		Sayyad compare to kstars	Sayyad compare to timeanddate.com		Birashk compare to kstars	Birashk compare to timeanddate.com		Akrami compare to kstars	Akrami compare to timeanddate.com		Malekzadeh compare to kstars	Malekzadeh compare to timeanddate.com		Abdollahi compare to kstars	Abdollahi compare to timeanddate.com		Kaveh compare to kstars	Kaveh compare to timeanddate.com	Vernal Equinox	Sun Transit noon time	Nowruz compared to sun transit by Gregorian calendar
	450	1071-03-21	L	1071-03-21 07:38:17	1071-03-21 12:08:13	450	1071-03-21	L	1071-03-21 07:59:16		TRUE	TRUE	C	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	449	1070-03-21	C	1070-03-21 02:00:21	1070-03-21 12:08:06	449	1070-03-21	C	1070-03-21 02:18:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	448	1069-03-21	C	1069-03-20 20:12:46	1069-03-20 12:08:21	448	1069-03-21	C	1069-03-20 20:28:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	447	1068-03-21	C	1068-03-20 14:14:51	1068-03-20 12:08:18	447	1068-03-21	C	1068-03-20 14:30:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	446	1067-03-21	L	1067-03-21 08:31:54	1067-03-21 12:08:11	446	1067-03-21	L	1067-03-21 08:50:16		TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	445	1066-03-21	C	1066-03-21 02:40:11	1066-03-21 12:08:07	445	1066-03-21	C	1066-03-21 02:58:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	444	1065-03-21	C	1065-03-20 20:48:06	1065-03-20 12:08:22	444	1065-03-21	C	1065-03-20 21:05:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	443	1064-03-21	C	1064-03-20 15:00:32	1064-03-20 12:08:17	443	1064-03-21	C	1064-03-20 15:17:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	442	1063-03-21	L	1063-03-21 09:04:06	1063-03-21 12:08:13	442	1063-03-21	L	1063-03-21 09:20:16	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE FALSE	C	FALSE	FALSE			
	441	1062-03-21	C	1062-03-21 03:19:14	1062-03-21 12:08:07	441	1062-03-21	C	1062-03-21 03:36:16	C	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE FALSE	L	FALSE	FALSE			
	440	1061-03-21	C	1061-03-20 21:27:56	1061-03-20 12:08:23	440	1061-03-21	C	1061-03-20 21:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	439	1060-03-21	C	1060-03-20 15:28:09	1060-03-20 12:08:19	439	1060-03-21	C	1060-03-20 15:48:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	438	1059-03-21	L	1059-03-21 09:47:10	1059-03-21 12:08:13	438	1059-03-21	L	1059-03-21 10:08:16		TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE FALSE	C	FALSE	FALSE			
	437	1058-03-21	C	1058-03-21 04:02:17	1058-03-21 12:08:08	437	1058-03-21	C	1058-03-21 04:22:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE FALSE	L	FALSE	FALSE			
	436	1057-03-21	C	1057-03-20 22:13:20	1057-03-20 12:08:24	436	1057-03-21	C	1057-03-20 22:32:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	435	1056-03-21	C	1056-03-20 16:30:36	1056-03-20 12:08:19	435	1056-03-21	C	1056-03-20 16:50:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	434	1055-03-21	L	1055-03-21 10:39:44	1055-03-21 12:08:14	434	1055-03-21	C	1055-03-21 11:01:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE FALSE	C	FALSE	FALSE			
	433	1054-03-21	C	1054-03-21 04:59:51	1054-03-21 12:08:08	433	1054-03-21	C	1054-03-21 05:19:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE FALSE	L	FALSE	FALSE			
	432	1053-03-21	C	1053-03-20 23:15:44	1053-03-20 12:08:23	432	1053-03-21	C	1053-03-20 23:32:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	431	1052-03-21	C	1052-03-20 17:19:06	1052-03-20 12:08:19	431	1052-03-21	C	1052-03-20 17:35:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	430	1051-03-21	L	1051-03-21 11:34:41	1051-03-21 12:08:14	430	1051-03-21	L	1051-03-21 11:51:16		TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE FALSE	C	FALSE	FALSE			
	429	1050-03-21	C	1050-03-21 05:42:38	1050-03-21 12:08:09	429	1050-03-21	C	1050-03-21 06:01:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE FALSE	L	FALSE	FALSE			
	428	1049-03-21	C	1049-03-20 23:43:44	1049-03-20 12:08:26	428	1049-03-21	C	1049-03-21 00:03:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	427	1048-03-21	C	1048-03-20 17:52:21	1048-03-20 12:08:21	427	1048-03-21	C	1048-03-20 18:14:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	426	1047-03-21	L	1047-03-21 11:58:43	1047-03-21 12:08:16	426	1047-03-22		1047-03-21 12:21:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE		C	FALSE	TRUE	C	FALSE	TRUE	1047-03-21 12:00:00	1047-03-21 12:07:51	1047-03-21
	425	1046-03-21	C	1046-03-21 06:14:23	1046-03-21 12:08:10	425	1046-03-21	L	1046-03-21 06:33:16	C	TRUE	FALSE	C	FALSE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE			
	424	1045-03-21	C	1045-03-20 00:28:02	1045-03-20 12:08:05	424	1045-03-21	C	1045-03-21 00:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	423	1044-03-21	C	1044-03-20 18:30:45	1044-03-20 12:08:21	423	1044-03-21	C	1044-03-20 18:49:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	422	1043-03-22	C	1043-03-21 12:46:20	1043-03-21 12:08:15	422	1043-03-22	C	1043-03-21 13:07:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	421	1042-03-21	L	1042-03-21 07:00:47	1042-03-21 12:08:10	421	1042-03-21	L	1042-03-21 07:22:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	420	1041-03-21	C	1041-03-21 01:09:47	1041-03-21 12:08:06	420	1041-03-21	C	1041-03-21 01:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	419	1040-03-21	C	1040-03-20 19:23:39	1040-03-20 12:08:21	419	1040-03-21	C	1040-03-20 19:43:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	418	1039-03-22	C	1039-03-21 13:35:09	1039-03-21 12:08:16	418	1039-03-22	C	1039-03-21 13:55:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	417	1038-03-21	L	1038-03-21 07:48:53	1038-03-21 12:08:11	417	1038-03-21	L	1038-03-21 08:09:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	416	1037-03-21	C	1037-03-21 02:01:35	1037-03-21 12:08:06	416	1037-03-21	C	1037-03-21 02:21:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	415	1036-03-21	C	1036-03-20 20:06:54	1036-03-20 12:08:23	415	1036-03-21	C	1036-03-20 20:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	414	1035-03-22	C	1035-03-21 14:23:06	1035-03-21 12:08:17	414	1035-03-22	C	1035-03-21 14:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	413	1034-03-21	L	1034-03-21 08:40:51	1034-03-21 12:08:12	413	1034-03-21	L	1034-03-21 09:00:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	412	1033-03-21	C	1033-03-21 02:48:30	1033-03-21 12:08:07	412	1033-03-21	C	1033-03-21 03:06:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	411	1032-03-21	C	1032-03-20 20:58:46	1032-03-20 12:08:22	411	1032-03-21	C	1032-03-20 21:19:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	410	1031-03-22	C	1031-03-21 15:09:15	1031-03-21 12:08:18	410	1031-03-22	C	1031-03-21 15:31:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	409	1030-03-21	L	1030-03-21 09:21:25	1030-03-21 12:08:12	409	1030-03-21	L	1030-03-21 09:42:16	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE FALSE	C	FALSE	FALSE			
	408	1029-03-21	C	1029-03-21 03:33:14	1029-03-21 12:08:08	408	1029-03-21	C	1029-03-21 03:51:16	C	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE FALSE	L	FALSE	FALSE			
	407	1028-03-21	C	1028-03-20 21:37:21	1028-03-20 12:08:24	407	1028-03-21	C	1028-03-20 21:55:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	406	1027-03-22	C	1027-03-21 15:46:00	1027-03-21 12:08:19	406	1027-03-22	C	1027-03-21 16:06:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	405	1026-03-21	L	1026-03-21 09:56:30	1026-03-21 12:08:14	405	1026-03-21	L	1026-03-21 10:17:16		TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE FALSE	C	FALSE	FALSE			
	404	1025-03-21	C	1025-03-21 03:58:26	1025-03-21 12:08:09	404	1025-03-21	C	1025-03-21 04:21:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE FALSE	L	FALSE	FALSE			
	403	1024-03-21	C	1024-03-20 22:06:38	1024-03-20 12:08:26	403	1024-03-21	C	1024-03-20 22:31:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	402	1023-03-22	C	1023-03-21 16:21:07	1023-03-21 12:08:21	402	1023-03-22	C	1023-03-21 16:46:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	401	1022-03-21	L	1022-03-21 10:38:14	1022-03-21 12:08:14	401	1022-03-21	L	1022-03-21 11:00:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE FALSE	C	FALSE	FALSE			
	400	1021-03-21	C	1021-03-21 04:54:02	1021-03-21 12:08:09	400	1021-03-21	C	1021-03-21 05:13:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE FALSE	L	FALSE	FALSE			
	399	1020-03-21	C	1020-03-20 23:04:48	1020-03-20 12:08:26	399	1020-03-21	C	1020-03-20 23:25:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	398	1019-03-22	C	1019-03-21 17:20:14	1019-03-21 12:08:19	398	1019-03-22	C	1019-03-21 17:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	397	1018-03-21	L	1018-03-21 11:38:32	1018-03-21 12:08:14	397	1018-03-21	L	1018-03-21 11:59:16		TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE FALSE	C	FALSE	FALSE			
	396	1017-03-21	C	1017-03-21 05:49:33	1017-03-21 12:08:09	396	1017-03-21	C	1017-03-21 06:08:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE FALSE	L	FALSE	FALSE			
	395	1016-03-21	C	1016-03-20 23:58:51	1016-03-20 12:08:26	395	1016-03-21	C	1016-03-21 00:18:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	394	1015-03-22	C	1015-03-21 18:10:22	1015-03-21 12:08:21	394	1015-03-22	C	1015-03-21 18:32:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	393	1014-03-22	C	1014-03-21 12:19:45	1014-03-21 12:08:16	393	1014-03-22	C	1014-03-21 12:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	392	1013-03-21	L	1013-03-21 06:25:30	1013-03-21 12:08:11	392	1013-03-21	L	1013-03-21 06:48:16		TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	391	1012-03-21	C	1012-03-21 00:31:41	1012-03-21 12:08:06	391	1012-03-21	C	1012-03-21 00:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	390	1011-03-22	C	1011-03-21 18:42:41	1011-03-21 12:08:21	390	1011-03-22	C	1011-03-21 19:06:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	389	1010-03-21	C	1010-03-21 12:56:24	1010-03-21 12:08:16	389	1010-03-21	C	1010-03-21 13:18:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	388	1009-03-21	L	1009-03-21 07:05:32	1009-03-21 12:08:11	388	1009-03-21	L	1009-03-21 07:26:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	387	1008-03-21	C	1008-03-21 01:10:21	1008-03-21 12:08:06	387	1008-03-21	C	1008-03-21 01:34:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	386	1007-03-22	C	1007-03-21 19:24:22	1007-03-21 12:08:21	386	1007-03-22	C	1007-03-21 19:49:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	385	1006-03-22	C	1006-03-21 13:39:21	1006-03-21 12:08:16	385	1006-03-22	C	1006-03-21 14:02:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	384	1005-03-21	L	1005-03-21 07:49:34	1005-03-21 12:08:11	384	1005-03-21	L	1005-03-21 08:09:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	383	1004-03-21	C	1004-03-21 02:01:32	1004-03-21 12:08:06	383	1004-03-21	C	1004-03-21 02:21:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	382	1003-03-22	C	1003-03-21 20:12:30	1003-03-21 12:08:21	382	1003-03-22	C	1003-03-21 20:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	381	1002-03-22	C	1002-03-21 14:24:38	1002-03-21 12:08:18	381	1002-03-22	C	1002-03-21 14:47:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	380	1001-03-21	L	1001-03-21 08:34:48	1001-03-21 12:08:13	380	1001-03-21	L	1001-03-21 08:58:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	379	1000-03-21	C	1000-03-21 02:41:47	1000-03-21 12:08:09	379	1000-03-21	C	1000-03-21 03:07:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	378	0999-03-21	C	0999-03-20 20:59:30	0999-03-20 12:08:24	378	0999-03-21	C	0999-03-20 21:24:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	377	0998-03-21	C	0998-03-20 15:17:56	0998-03-20 12:08:18	377	0998-03-21	C	0998-03-20 15:40:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	376	0997-03-20	L	0997-03-20 09:26:40	0997-03-20 12:08:14	376	0997-03-20	L	0997-03-20 09:48:16		TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE FALSE	C	FALSE	FALSE			
	375	0996-03-20	C	0996-03-20 03:38:32	0996-03-20 12:08:09	375	0996-03-20	C	0996-03-20 04:02:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE FALSE	L	FALSE	FALSE			
	374	0995-03-21	C	0995-03-20 21:49:59	0995-03-20 12:08:24	374	0995-03-21	C	0995-03-20 22:15:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			

Comparison table of Nowruz / Vernal Equinox calculations across calendar sources. Column groups (left to right): **calendar.ut.ac.ir**, **Kstars software**, **timeanddate.com**, **Sayyad**, **Behruz / Birashk**, **Akrami**, **Rezazadeh-malek** (Malekzadeh), **Abdollahi**, **Kaveh**, **Accurate times software**.

Nowruz date	Persian year (Kstars)	Nowruz vs sun transit (Greg)	L/C	Vernal Equinox (Kstars)	Sun Transit noon time (Kstars)	Persian year (t&d)	Nowruz vs sun transit (Greg)	L/C	Vernal Equinox (t&d)	c/l	Sayyad vs kstars	Sayyad vs t&d	c/l	Birashk vs kstars	Birashk vs t&d	c/l	Akrami vs kstars	Akrami vs t&d	c/l	Malekzadeh vs kstars	Malekzadeh vs t&d	c/l	Abdollahi vs kstars	Abdollahi vs t&d	c/l	Kaveh vs kstars	Kaveh vs t&d	Vernal Equinox (Accurate)	Sun Transit noon time (Accurate)	Nowruz vs sun transit (Accurate)
	373	0994-03-21	C	0994-03-20 16:02:10	0994-03-20 12:08:19	373	0994-03-21	C	0994-03-20 16:26:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	372	0993-03-20	L	0993-03-20 10:12:56	0993-03-20 12:08:14	372	0993-03-20	L	0993-03-20 10:35:16	L	TRUE	TRUE	C	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	371	0992-03-21	C	0992-03-20 04:15:54	0992-03-20 12:08:09	371	0992-03-21	C	0992-03-20 04:38:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	370	0991-03-21	C	0991-03-20 22:24:39	0991-03-20 12:08:24	370	0991-03-21	C	0991-03-20 22:49:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	369	0990-03-21	C	0990-03-20 16:35:47	0990-03-20 12:08:19	369	0990-03-21	C	0990-03-20 17:00:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	368	0989-03-20	L	0989-03-20 10:37:27	0989-03-20 12:08:16	368	0989-03-20	L	0989-03-20 11:02:16	L	TRUE	TRUE	C	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	367	0988-03-20	C	0988-03-20 04:47:57	0988-03-20 12:08:11	367	0988-03-20	C	0988-03-20 05:13:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	366	0987-03-21	C	0987-03-20 23:03:09	0987-03-20 12:08:26	366	0987-03-21	C	0987-03-20 23:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	365	0986-03-21	C	0986-03-20 17:16:03	0986-03-20 12:08:19	365	0986-03-21	C	0986-03-20 17:38:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	364	0985-03-20	L	0985-03-20 11:31:43	0985-03-20 12:08:14	364	0985-03-20	L	0985-03-20 11:54:16	L	TRUE	TRUE	C	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	363	0984-03-20	C	0984-03-20 05:39:18	0984-03-20 12:08:11	363	0984-03-20	C	0984-03-20 06:04:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	362	0983-03-21	C	0983-03-20 23:54:33	0983-03-20 12:08:26	362	0983-03-21	C	0983-03-21 00:21:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	361	0982-03-21	C	0982-03-20 18:16:16	0982-03-20 12:08:19	361	0982-03-21	C	0982-03-20 18:40:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	360	0981-03-21	C	0981-03-20 12:23:46	0981-03-20 12:08:16	360	0981-03-21	C	0981-03-20 12:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	359	0980-03-20	L	0980-03-20 06:36:02	0980-03-20 12:08:11	359	0980-03-20	L	0980-03-20 06:58:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	358	0979-03-21	C	0979-03-21 00:49:28	0979-03-21 12:08:06	358	0979-03-21	C	0979-03-21 01:13:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	357	0978-03-21	C	0978-03-20 18:54:24	0978-03-20 12:08:21	357	0978-03-21	C	0978-03-20 19:20:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	356	0977-03-21	C	0977-03-20 13:06:10	0977-03-20 12:08:16	356	0977-03-21	C	0977-03-20 13:32:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	355	0976-03-20	L	0976-03-20 07:10:49	0976-03-20 12:08:13	355	0976-03-20	L	0976-03-20 07:38:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	354	0975-03-21	C	0975-03-21 01:22:41	0975-03-21 12:08:08	354	0975-03-21	C	0975-03-21 01:49:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	353	0974-03-21	C	0974-03-20 19:42:25	0974-03-20 12:08:21	353	0974-03-21	C	0974-03-20 20:06:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	352	0973-03-21	C	0973-03-20 13:45:01	0973-03-20 12:08:18	352	0973-03-21	C	0973-03-20 14:08:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	351	0972-03-20	L	0972-03-20 07:54:39	0972-03-20 12:08:11	351	0972-03-20	L	0972-03-20 08:19:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	350	0971-03-21	C	0971-03-21 02:09:48	0971-03-21 12:08:06	350	0971-03-21	C	0971-03-21 02:35:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	349	0970-03-21	C	0970-03-20 20:17:05	0970-03-20 12:08:21	349	0970-03-21	C	0970-03-20 20:40:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	348	0969-03-21	C	0969-03-20 14:31:06	0969-03-20 12:08:16	348	0969-03-21	C	0969-03-20 14:52:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	347	0968-03-20	L	0968-03-20 08:36:37	0968-03-20 12:08:13	347	0968-03-20	L	0968-03-20 09:00:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	FALSE	FALSE	L	TRUE	TRUE			
	346	0967-03-21	C	0967-03-21 02:43:59	0967-03-21 12:08:08	346	0967-03-21	C	0967-03-21 03:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	FALSE	FALSE	C	TRUE	TRUE			
	345	0966-03-21	C	0966-03-20 21:02:10	0966-03-20 12:08:23	345	0966-03-21	C	0966-03-20 21:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	344	0965-03-21	C	0965-03-20 15:05:32	0965-03-20 12:08:19	344	0965-03-21	C	0965-03-20 15:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	343	0964-03-20	L	0964-03-20 09:18:16	0964-03-20 12:08:14	343	0964-03-20	L	0964-03-20 09:45:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	342	0963-03-21	C	0963-03-21 03:40:11	0963-03-21 12:08:09	342	0963-03-21	C	0963-03-21 04:07:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	341	0962-03-21	C	0962-03-20 21:50:50	0962-03-20 12:08:24	341	0962-03-21	C	0962-03-20 22:15:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	340	0961-03-21	C	0961-03-20 16:06:26	0961-03-20 12:08:19	340	0961-03-21	C	0961-03-20 16:32:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	339	0960-03-20	L	0960-03-20 10:16:36	0960-03-20 12:08:14	339	0960-03-20	L	0960-03-20 10:44:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	338	0959-03-21	C	0959-03-21 04:25:59	0959-03-21 12:08:09	338	0959-03-21	C	0959-03-21 04:55:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	337	0958-03-21	C	0958-03-20 22:48:14	0958-03-20 12:08:23	337	0958-03-21	C	0958-03-20 23:13:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	336	0957-03-21	C	0957-03-20 16:52:25	0957-03-20 12:08:19	336	0957-03-21	C	0957-03-20 17:15:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	335	0956-03-20	L	0956-03-20 10:57:47	0956-03-20 12:08:14	335	0956-03-20	L	0956-03-20 11:21:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	334	0955-03-21	C	0955-03-21 05:12:39	0955-03-21 12:08:09	334	0955-03-21	C	0955-03-21 05:38:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	333	0954-03-21	C	0954-03-20 23:12:30	0954-03-20 12:08:26	333	0954-03-21	C	0954-03-20 23:38:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	332	0953-03-21	C	0953-03-20 17:21:08	0953-03-20 12:08:21	332	0953-03-21	C	0953-03-20 17:48:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	331	0952-03-20	L	0952-03-20 11:30:04	0952-03-20 12:08:16	331	0952-03-20	L	0952-03-20 11:58:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	330	0951-03-21	C	0951-03-21 05:37:21	0951-03-21 12:08:11	330	0951-03-21	C	0951-03-21 06:05:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	329	0950-03-21	C	0950-03-20 23:59:50	0950-03-20 12:08:24	329	0950-03-21	C	0950-03-21 00:25:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	328	0949-03-21	C	0949-03-20 18:06:06	0949-03-20 12:08:21	328	0949-03-21	C	0949-03-20 18:31:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	327	0948-03-21	C	0948-03-20 12:14:10	0948-03-20 12:08:16	327	0948-03-21	C	0948-03-20 12:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	326	0947-03-21	L	0947-03-21 06:38:43	0947-03-21 12:08:09	326	0947-03-21	L	0947-03-21 07:06:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	325	0946-03-21	C	0946-03-21 00:47:20	0946-03-21 12:08:06	325	0946-03-21	C	0946-03-21 01:12:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	324	0945-03-21	C	0945-03-20 19:01:58	0945-03-20 12:08:21	324	0945-03-21	C	0945-03-20 19:25:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	323	0944-03-21	C	0944-03-20 13:14:06	0944-03-20 12:08:16	323	0944-03-21	C	0944-03-20 13:40:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	322	0943-03-21	L	0943-03-21 07:18:35	0943-03-21 12:08:06	322	0943-03-21	L	0943-03-21 07:47:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	321	0942-03-21	C	0942-03-21 01:37:52	0942-03-21 12:08:06	321	0942-03-21	C	0942-03-21 02:06:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	320	0941-03-21	C	0941-03-20 19:43:38	0941-03-20 12:08:23	320	0941-03-21	C	0941-03-20 20:12:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	319	0940-03-21	C	0940-03-20 13:50:33	0940-03-20 12:08:18	319	0940-03-21	C	0940-03-20 14:18:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	318	0939-03-21	L	0939-03-21 08:14:09	0939-03-21 12:08:11	318	0939-03-21	L	0939-03-21 08:40:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	317	0938-03-21	C	0938-03-21 02:20:29	0938-03-21 12:08:06	317	0938-03-21	C	0938-03-21 02:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	316	0937-03-21	C	0937-03-20 20:28:49	0937-03-20 12:08:23	316	0937-03-20	C	0937-03-20 20:54:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	315	0936-03-21	C	0936-03-20 14:39:56	0936-03-20 12:08:16	315	0936-03-21	C	0936-03-20 15:08:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	314	0935-03-21	L	0935-03-21 08:43:43	0935-03-21 12:08:13	314	0935-03-21	L	0935-03-21 09:13:16	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	313	0934-03-21	C	0934-03-21 03:02:30	0934-03-21 12:08:06	313	0934-03-21	C	0934-03-21 03:29:16	C	TRUE	TRUE	L	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	312	0933-03-21	C	0933-03-20 21:08:32	0933-03-20 12:08:23	312	0933-03-20	C	0933-03-20 21:34:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	311	0932-03-21	C	0932-03-20 15:10:03	0932-03-20 12:08:19	311	0932-03-21	C	0932-03-20 15:37:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	310	0931-03-21	L	0931-03-21 09:28:39	0931-03-21 12:08:13	310	0931-03-21	L	0931-03-21 09:58:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	309	0930-03-21	C	0930-03-21 03:34:02	0930-03-21 12:08:09	309	0930-03-21	C	0930-03-21 04:03:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	308	0929-03-21	C	0929-03-20 21:42:09	0929-03-20 12:08:24	308	0929-03-21	C	0929-03-20 22:11:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	307	0928-03-21	C	0928-03-20 16:00:35	0928-03-20 12:08:19	307	0928-03-21	C	0928-03-20 16:30:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	306	0927-03-21	L	0927-03-21 10:10:28	0927-03-21 12:08:14	306	0927-03-21	L	0927-03-21 10:39:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	305	0926-03-21	C	0926-03-21 04:32:48	0926-03-21 12:08:08	305	0926-03-21	C	0926-03-21 05:00:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	304	0925-03-21	C	0925-03-20 22:45:33	0925-03-20 12:08:24	304	0925-03-21	C	0925-03-20 23:12:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	303	0924-03-21	C	0924-03-20 16:51:02	0924-03-20 12:08:19	303	0924-03-21	C	0924-03-20 17:20:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	302	0923-03-21	L	0923-03-21 11:16:26	0923-03-21 12:08:13	302	0923-03-21	L	0923-03-21 11:44:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	301	0922-03-21	C	0922-03-21 05:26:48	0922-03-21 12:08:08	301	0922-03-21	C	0922-03-21 05:51:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	300	0921-03-21	C	0921-03-20 23:32:28	0921-03-20 12:08:24	300	0921-03-21	C	0921-03-20 23:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	299	0920-03-21	C	0920-03-20 17:44:49	0920-03-20 12:08:19	299	0920-03-21	C	0920-03-20 18:11:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	298	0919-03-21	L	0919-03-21 11:44:55	0919-03-21 12:08:16	298	0919-03-22		0919-03-21 12:14:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	0919-03-21 11:42:55	0919-03-21 12:07:51	0919-03-21
	297	0918-03-21	C	0918-03-21 05:56:09	0918-03-21 12:08:09	297	0918-03-21	C	0918-03-20 06:26:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE			

calendar.ut.ac.ir	Kstars software					timeanddate.com				Sayyad			Behruz / Birashk			Akrami			Rezazadeh-malek			Abdollahi			Kaveh			Accurate times software		
Nowruz date	Persian year	Nowruz compared to sun transit by Gregorian calendar	Sun transit referenced Leap or common	Vernal Equinox	Sun Transit noon time	Persian year	Nowruz compared to sun transit by Gregorian calendar	Sun transit referenced Leap or common	Vernal Equinox	ref	Sayyad compare to kstars	Sayyad compare to timeanddate.com	ref	Birashk compare to kstars	Birashk compare to timeanddate.com	ref	Akrami compare to kstars	Akrami compare to timeanddate.com	ref	Malekzadeh compare to kstars	Malekzadeh compare to timeanddate.com	ref	Abdollahi compare to kstars	Abdollahi compare to timeanddate.com	ref	Kaveh compare to kstars	Kaveh compare to timeanddate.com	Vernal Equinox	Sun Transit noon time	Nowruz compared to sun transit by Gregorian calendar
	296	0917-03-21	C	0917-03-21 00:03:59	0917-03-21 12:08:06	296	0917-03-21	C	0917-03-21 00:34:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	295	0916-03-21	C	0916-03-20 18:05:17	0916-03-20 12:08:21	295	0916-03-21	C	0916-03-20 18:35:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	294	0915-03-22	C	0915-03-21 12:28:03	0915-03-21 12:08:14	294	0915-03-22	C	0915-03-21 12:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	293	0914-03-21	L	0914-03-21 06:37:48	0914-03-21 12:08:09	293	0914-03-21	L	0914-03-21 07:05:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	292	0913-03-21	C	0913-03-20 00:43:07	0913-03-20 12:08:06	292	0913-03-21	C	0913-03-21 01:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	291	0912-03-22	C	0912-03-20 19:00:12	0912-03-20 12:08:21	291	0912-03-22	C	0912-03-20 19:30:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	290	0911-03-22	C	0911-03-21 13:09:33	0911-03-21 12:08:16	290	0911-03-22	C	0911-03-21 13:39:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	289	0910-03-21	L	0910-03-21 07:27:33	0910-03-21 12:08:09	289	0910-03-21	L	0910-03-21 07:54:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	288	0909-03-21	C	0909-03-21 01:41:03	0909-03-21 12:08:04	288	0909-03-21	C	0909-03-21 02:07:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	287	0908-03-21	C	0908-03-20 19:43:50	0908-03-20 12:08:21	287	0908-03-21	C	0908-03-20 20:11:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	286	0907-03-22	C	0907-03-21 14:03:23	0907-03-21 12:08:16	286	0907-03-22	C	0907-03-21 14:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	285	0906-03-21	L	0906-03-21 08:14:28	0906-03-21 12:08:11	285	0906-03-21	L	0906-03-21 08:43:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	284	0905-03-21	C	0905-03-21 02:19:31	0905-03-21 12:08:08	284	0905-03-21	C	0905-03-21 02:48:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	283	0904-03-21	C	0904-03-20 20:37:54	0904-03-20 12:08:23	283	0904-03-21	C	0904-03-20 21:08:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	282	0903-03-22	C	0903-03-21 14:48:17	0903-03-21 12:08:18	282	0903-03-22	C	0903-03-21 15:18:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	281	0902-03-21	L	0902-03-21 09:01:40	0902-03-21 12:08:11	281	0902-03-21	L	0902-03-21 09:30:16	L	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	280	0901-03-21	C	0901-03-21 03:12:49	0901-03-21 12:08:06	280	0901-03-21	C	0901-03-21 03:43:16	C	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	279	0900-03-21	C	0900-03-20 21:15:09	0900-03-20 12:08:24	279	0900-03-21	C	0900-03-20 21:46:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	278	0899-03-21	C	0899-03-20 15:33:09	0899-03-20 12:08:16	278	0899-03-21	C	0899-03-20 16:04:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	277	0898-03-20	L	0898-03-20 09:45:38	0898-03-20 12:08:11	277	0898-03-20	L	0898-03-20 10:12:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	276	0897-03-20	C	0897-03-20 03:45:44	0897-03-20 12:08:08	276	0897-03-20	C	0897-03-20 04:12:16	C	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	275	0896-03-20	C	0896-03-19 21:57:17	0896-03-19 12:08:23	275	0896-03-20	C	0896-03-19 22:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	274	0895-03-20	C	0895-03-20 16:03:09	0895-03-20 12:08:19	274	0895-03-20	C	0895-03-20 16:35:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	273	0894-03-20	L	0894-03-20 10:12:08	0894-03-20 12:08:14	273	0894-03-20	L	0894-03-20 10:43:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	272	0893-03-20	C	0893-03-20 04:26:06	0893-03-20 12:08:09	272	0893-03-20	C	0893-03-20 04:56:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	271	0892-03-19	C	0892-03-19 22:33:31	0892-03-19 12:08:19	271	0892-03-19	C	0892-03-19 23:04:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	270	0891-03-21	C	0891-03-20 16:55:30	0891-03-20 12:08:19	270	0891-03-21	C	0891-03-20 17:24:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	269	0890-03-20	L	0890-03-20 11:13:04	0890-03-20 12:08:13	269	0890-03-20	L	0890-03-20 11:40:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	268	0889-03-20	C	0889-03-20 05:18:31	0889-03-20 12:08:09	268	0889-03-20	C	0889-03-20 05:46:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	267	0888-03-20	C	0888-03-19 23:36:06	0888-03-19 12:08:24	267	0888-03-20	C	0888-03-20 00:07:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	266	0887-03-21	C	0887-03-20 17:50:49	0887-03-20 12:08:19	266	0887-03-21	C	0887-03-20 18:21:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	265	0886-03-20	L	0886-03-20 12:02:56	0886-03-20 12:08:14	265	0886-03-21	L	0886-03-20 12:30:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	0886-03-20 11:59:56	0886-03-20 12:07:49	0886-03-20
	264	0885-03-20	C	0885-03-20 06:15:08	0885-03-20 12:08:09	264	0885-03-20	L	0885-03-20 06:43:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE			
	263	0884-03-20	C	0884-03-20 00:17:02	0884-03-20 12:08:04	263	0884-03-20	C	0884-03-20 00:48:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	262	0883-03-21	C	0883-03-20 18:29:32	0883-03-20 12:08:21	262	0883-03-21	C	0883-03-20 19:02:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	261	0882-03-21	C	0882-03-20 12:40:19	0882-03-20 12:08:16	261	0882-03-21	C	0882-03-20 13:12:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	260	0881-03-20	L	0881-03-20 06:42:23	0881-03-20 12:08:11	260	0881-03-20	L	0881-03-20 07:13:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	259	0880-03-20	C	0880-03-20 00:55:24	0880-03-20 12:08:06	259	0880-03-20	C	0880-03-20 01:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	258	0879-03-21	C	0879-03-20 19:08:27	0879-03-20 12:08:21	258	0879-03-21	C	0879-03-20 19:39:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	257	0878-03-21	C	0878-03-20 13:17:32	0878-03-20 12:08:16	257	0878-03-21	C	0878-03-20 13:46:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	256	0877-03-20	L	0877-03-20 07:28:09	0877-03-20 12:08:11	256	0877-03-20	L	0877-03-20 07:58:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	255	0876-03-20	C	0876-03-20 01:36:09	0876-03-20 12:08:06	255	0876-03-20	C	0876-03-20 02:08:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	254	0875-03-21	C	0875-03-20 19:52:54	0875-03-20 12:08:21	254	0875-03-21	C	0875-03-20 20:22:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	253	0874-03-21	C	0874-03-20 14:09:12	0874-03-20 12:08:14	253	0874-03-21	C	0874-03-20 14:36:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	252	0873-03-20	L	0873-03-20 08:13:29	0873-03-20 12:08:11	252	0873-03-20	L	0873-03-20 08:40:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	251	0872-03-20	C	0872-03-20 02:23:38	0872-03-20 12:08:06	251	0872-03-20	C	0872-03-20 02:55:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	250	0871-03-21	C	0871-03-20 20:36:41	0871-03-20 12:08:21	250	0871-03-21	C	0871-03-20 21:11:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	249	0870-03-21	C	0870-03-20 14:46:44	0870-03-20 12:08:18	249	0870-03-21	C	0870-03-20 15:20:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	248	0869-03-20	L	0869-03-20 08:59:29	0869-03-20 12:08:13	248	0869-03-20	L	0869-03-20 09:33:16	L	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	247	0868-03-20	C	0868-03-20 03:13:00	0868-03-20 12:08:08	247	0868-03-20	C	0868-03-20 03:45:16	C	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	246	0867-03-21	C	0867-03-20 21:29:56	0867-03-20 12:08:23	246	0867-03-21	C	0867-03-20 22:01:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	245	0866-03-21	C	0866-03-20 15:46:17	0866-03-20 12:08:16	245	0866-03-21	C	0866-03-20 16:15:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	244	0865-03-20	L	0865-03-20 09:51:39	0865-03-20 12:08:13	244	0865-03-20	L	0865-03-20 10:22:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	243	0864-03-20	C	0864-03-20 04:02:11	0864-03-20 12:08:08	243	0864-03-20	C	0864-03-20 04:35:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	242	0863-03-21	C	0863-03-20 22:17:21	0863-03-20 12:08:21	242	0863-03-21	C	0863-03-20 22:48:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	241	0862-03-21	C	0862-03-20 16:25:21	0862-03-20 12:08:18	241	0862-03-21	C	0862-03-20 16:53:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	240	0861-03-20	L	0861-03-20 10:30:45	0861-03-20 12:08:13	240	0861-03-20	L	0861-03-20 11:00:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	239	0860-03-20	C	0860-03-20 04:36:01	0860-03-20 12:08:09	239	0860-03-20	C	0860-03-20 05:08:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	238	0859-03-21	C	0859-03-20 22:45:17	0859-03-20 12:08:24	238	0859-03-21	C	0859-03-20 23:18:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	237	0858-03-21	C	0858-03-20 16:56:34	0858-03-20 12:08:19	237	0858-03-21	C	0858-03-20 17:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	236	0857-03-20	L	0857-03-20 11:03:40	0857-03-20 12:08:14	236	0857-03-20	L	0857-03-20 11:34:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	235	0856-03-20	C	0856-03-20 05:15:18	0856-03-20 12:08:09	235	0856-03-20	C	0856-03-20 05:47:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	234	0855-03-21	C	0855-03-20 23:33:03	0855-03-20 12:08:24	234	0855-03-21	C	0855-03-21 00:05:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	233	0854-03-21	C	0854-03-20 17:45:22	0854-03-20 12:08:19	233	0854-03-21	C	0854-03-20 18:17:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	232	0853-03-20	L	0853-03-20 11:55:25	0853-03-20 12:08:14	232	0853-03-21	C	0853-03-20 12:29:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	0853-03-20 11:51:07	0853-03-20 12:07:50	0853-03-20
	231	0852-03-20	C	0852-03-20 06:10:17	0852-03-20 12:08:09	231	0852-03-20	L	0852-03-20 06:45:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE			
	230	0851-03-21	C	0851-03-21 00:28:58	0851-03-21 12:08:04	230	0851-03-21	C	0851-03-21 01:00:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	229	0850-03-21	C	0850-03-20 18:43:21	0850-03-20 12:08:19	229	0850-03-21	C	0850-03-20 19:12:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	228	0849-03-20	C	0849-03-20 12:51:41	0849-03-20 12:08:14	228	0849-03-20	C	0849-03-20 13:21:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	227	0848-03-20	L	0848-03-20 06:57:53	0848-03-20 12:08:09	227	0848-03-20	L	0848-03-20 07:31:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	226	0847-03-21	C	0847-03-21 01:09:46	0847-03-21 12:08:04	226	0847-03-21	C	0847-03-21 01:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	225	0846-03-21	C	0846-03-20 19:19:57	0846-03-20 12:08:21	225	0846-03-21	C	0846-03-20 19:54:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	224	0845-03-21	C	0845-03-20 13:25:13	0845-03-20 12:08:16	224	0845-03-21	C	0845-03-20 13:59:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	223	0844-03-20	L	0844-03-20 07:38:23	0844-03-20 12:08:11	223	0844-03-20	L	0844-03-20 08:12:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	222	0843-03-21	C	0843-03-21 01:52:50	0843-03-21 12:08:04	222	0843-03-21	C	0843-03-21 02:24:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	221	0842-03-21	C	0842-03-20 20:01:52	0842-03-20 12:08:21	221	0842-03-21	C	0842-03-20 20:32:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	220	0841-03-21	C	0841-03-20 14:10:12	0841-03-20 12:08:16	220	0841-03-21	C	0841-03-20 14:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			

Table comparing Nowruz / vernal-equinox computations across several software packages and scholars (calendar.ut.ac.ir, Kstars software, timeanddate.com, Sayyad, Behruz / Birashk, Akrami, Rezazadeh-malek, Abdollahi, Kaveh, Accurate times software).

Persian year	Nowruz vs sun transit (Kstars)	ref	Vernal Equinox (Kstars)	Sun Transit noon (Kstars)	Persian year	Nowruz vs sun transit (timeanddate)	Vernal Equinox (timeanddate)	Sayyad k	Sayyad t	Birashk k	Birashk t	Akrami k	Akrami t	Malek k	Malek t	Abdollahi k	Abdollahi t	Kaveh k	Kaveh t	Vernal Equinox (Accurate)	Sun Transit (Accurate)	Nowruz (Accurate)
219	0840-03-20	L	0840-03-20 08:18:07	0840-03-20 12:08:11	219	0840-03-20	0840-03-20 08:52:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	TRUE	TRUE			
218	0839-03-21	C	0839-03-21 02:32:19	0839-03-21 12:08:04	218	0839-03-21	0839-03-21 03:05:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	TRUE	TRUE			
217	0838-03-21	C	0838-03-20 20:44:53	0838-03-20 12:08:21	217	0838-03-21	0838-03-20 21:16:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
216	0837-03-21	C	0837-03-20 14:46:52	0837-03-20 12:08:16	216	0837-03-21	0837-03-20 15:21:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
215	0836-03-20	L	0836-03-20 08:58:08	0836-03-20 12:08:11	215	0836-03-20	0836-03-20 09:35:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
214	0835-03-21	C	0835-03-21 03:13:02	0835-03-21 12:08:06	214	0835-03-21	0835-03-21 03:50:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
213	0834-03-21	C	0834-03-20 21:24:31	0834-03-20 12:08:23	213	0834-03-21	0834-03-20 21:58:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
212	0833-03-21	C	0833-03-20 15:39:25	0833-03-20 12:08:18	212	0833-03-21	0833-03-20 16:12:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
211	0832-03-20	L	0832-03-20 09:53:07	0832-03-20 12:08:13	211	0832-03-20	0832-03-20 10:27:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
210	0831-03-21	C	0831-03-21 04:09:50	0831-03-21 12:08:06	210	0831-03-21	0831-03-21 04:43:16	TRUE	TRUE	FALSE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
209	0830-03-21	C	0830-03-20 22:25:36	0830-03-20 12:08:21	209	0830-03-21	0830-03-20 22:58:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
208	0829-03-21	C	0829-03-20 16:30:24	0829-03-20 12:08:18	208	0829-03-21	0829-03-20 17:05:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
207	0828-03-20	L	0828-03-20 10:43:57	0828-03-20 12:08:13	207	0828-03-20	0828-03-20 11:19:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
206	0827-03-21	C	0827-03-21 05:01:37	0827-03-21 12:08:06	206	0827-03-21	0827-03-21 05:34:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
205	0826-03-21	C	0826-03-20 23:07:08	0826-03-20 12:08:23	205	0826-03-21	0826-03-20 23:36:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
204	0825-03-21	C	0825-03-20 17:13:29	0825-03-20 12:08:18	204	0825-03-21	0825-03-20 17:45:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
203	0824-03-20	L	0824-03-20 11:17:24	0824-03-20 12:08:14	203	0824-03-20	0824-03-20 11:53:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
202	0823-03-21	C	0823-03-21 05:23:55	0823-03-21 12:08:09	202	0823-03-21	0823-03-21 06:01:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
201	0822-03-21	C	0822-03-20 23:36:20	0822-03-20 12:08:24	201	0822-03-21	0822-03-21 00:12:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
200	0821-03-21	C	0821-03-20 17:39:54	0821-03-20 12:08:19	200	0821-03-21	0821-03-20 18:16:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
199	0820-03-20	L	0820-03-20 11:52:30	0820-03-20 12:08:14	199	0820-03-21	0820-03-20 12:30:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	0820-03-20 11:46:14	0820-03-20 12:07:50	0820-03-20
198	0819-03-21	C	0819-03-21 06:13:36	0819-03-21 12:08:09	198	0819-03-21	0819-03-21 06:49:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			
197	0818-03-21	C	0818-03-21 00:20:59	0818-03-21 12:08:04	197	0818-03-21	0818-03-21 00:55:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
196	0817-03-21	C	0817-03-20 18:35:04	0817-03-20 12:08:19	196	0817-03-21	0817-03-20 19:10:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
195	0816-03-21	L	0816-03-20 12:50:23	0816-03-20 12:08:14	195	0816-03-21	0816-03-20 13:26:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
194	0815-03-21	C	0815-03-21 07:03:52	0815-03-21 12:08:09	194	0815-03-21	0815-03-21 07:38:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
193	0814-03-21	C	0814-03-21 01:22:03	0814-03-21 12:08:03	193	0814-03-21	0814-03-21 01:54:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
192	0813-03-21	C	0813-03-20 19:24:28	0813-03-20 12:08:21	192	0813-03-21	0813-03-20 19:59:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
191	0812-03-21	L	0812-03-20 13:33:13	0812-03-20 12:08:16	191	0812-03-21	0812-03-20 14:11:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
190	0811-03-21	C	0811-03-21 07:52:35	0811-03-21 12:08:09	190	0811-03-21	0811-03-21 08:30:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
189	0810-03-21	C	0810-03-21 01:57:37	0810-03-21 12:08:06	189	0810-03-21	0810-03-21 02:33:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
188	0809-03-21	C	0809-03-20 20:09:41	0809-03-20 12:08:21	188	0809-03-21	0809-03-20 20:45:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
187	0808-03-21	L	0808-03-20 14:23:19	0808-03-20 12:08:16	187	0808-03-21	0808-03-20 15:01:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
186	0807-03-21	C	0807-03-21 08:30:46	0807-03-21 12:08:11	186	0807-03-21	0807-03-21 09:07:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
185	0806-03-21	C	0806-03-21 02:45:35	0806-03-21 12:08:04	185	0806-03-21	0806-03-21 03:21:16	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
184	0805-03-21	C	0805-03-20 20:47:29	0805-03-20 12:08:21	184	0805-03-21	0805-03-20 21:26:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
183	0804-03-21	L	0804-03-20 14:56:34	0804-03-20 12:08:16	183	0804-03-21	0804-03-20 15:35:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
182	0803-03-21	C	0803-03-21 09:17:29	0803-03-21 12:08:09	182	0803-03-21	0803-03-21 09:53:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
181	0802-03-21	C	0802-03-21 03:20:31	0802-03-21 12:08:06	181	0802-03-21	0802-03-21 03:53:16	TRUE	TRUE	FALSE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
180	0801-03-21	C	0801-03-20 21:27:12	0801-03-20 12:08:21	180	0801-03-21	0801-03-20 22:02:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
179	0800-03-21	L	0800-03-20 15:39:21	0800-03-20 12:08:16	179	0800-03-21	0800-03-20 16:18:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
178	0799-03-21	C	0799-03-21 09:46:28	0799-03-21 12:08:13	178	0799-03-21	0799-03-21 10:25:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
177	0798-03-21	C	0798-03-21 04:04:48	0798-03-21 12:08:06	177	0798-03-21	0798-03-21 04:42:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
176	0797-03-21	C	0797-03-20 22:14:33	0797-03-20 12:08:23	176	0797-03-21	0797-03-20 22:52:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
175	0796-03-21	L	0796-03-20 16:26:39	0796-03-20 12:08:18	175	0796-03-21	0796-03-20 17:04:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
174	0795-03-21	C	0795-03-21 10:52:46	0795-03-21 12:08:11	174	0795-03-21	0795-03-21 11:29:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
173	0794-03-21	C	0794-03-21 04:59:43	0794-03-21 12:08:06	173	0794-03-21	0794-03-21 05:35:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
172	0793-03-21	C	0793-03-20 23:09:58	0793-03-20 12:08:23	172	0793-03-21	0793-03-20 23:47:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
171	0792-03-21	L	0792-03-20 17:28:33	0792-03-20 12:08:16	171	0792-03-21	0792-03-20 18:07:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
170	0791-03-21	C	0791-03-21 11:35:32	0791-03-21 12:08:13	170	0791-03-22	0791-03-21 12:11:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	0791-03-21 11:28:34	0791-03-21 12:07:48	0791-03-21
169	0790-03-21	C	0790-03-21 05:48:03	0790-03-21 12:08:06	169	0790-03-21	0790-03-21 06:24:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			
168	0789-03-21	C	0789-03-20 23:50:27	0789-03-20 12:08:24	168	0789-03-21	0789-03-21 00:30:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
167	0788-03-21	L	0788-03-20 17:50:57	0788-03-20 12:08:21	167	0788-03-21	0788-03-20 18:34:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
166	0787-03-22	C	0787-03-21 12:11:10	0787-03-21 12:08:14	166	0787-03-22	0787-03-21 12:52:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
165	0786-03-21	C	0786-03-21 06:14:48	0786-03-21 12:08:09	165	0786-03-21	0786-03-21 06:53:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
164	0785-03-21	C	0785-03-21 00:21:57	0785-03-21 12:08:04	164	0785-03-21	0785-03-21 01:00:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
163	0784-03-21	L	0784-03-20 18:41:14	0784-03-20 12:08:19	163	0784-03-21	0784-03-20 19:20:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
162	0783-03-22	C	0783-03-21 12:47:27	0783-03-21 12:08:14	162	0783-03-22	0783-03-21 13:26:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
161	0782-03-21	C	0782-03-21 07:02:29	0782-03-21 12:08:09	161	0782-03-21	0782-03-21 07:40:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
160	0781-03-21	C	0781-03-21 01:12:47	0781-03-21 12:08:04	160	0781-03-21	0781-03-21 01:53:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
159	0780-03-21	L	0780-03-20 19:21:12	0780-03-20 12:08:19	159	0780-03-21	0780-03-20 20:01:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
158	0779-03-22	C	0779-03-21 13:47:24	0779-03-21 12:08:13	158	0779-03-22	0779-03-21 14:24:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
157	0778-03-21	C	0778-03-21 07:54:03	0778-03-21 12:08:09	157	0778-03-21	0778-03-21 08:29:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
156	0777-03-21	C	0777-03-21 01:58:07	0777-03-21 12:08:04	156	0777-03-21	0777-03-21 02:37:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
155	0776-03-21	L	0776-03-20 20:16:37	0776-03-20 12:08:21	155	0776-03-21	0776-03-20 20:59:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
154	0775-03-22	C	0775-03-21 14:22:54	0775-03-21 12:08:16	154	0775-03-22	0775-03-21 15:05:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
153	0774-03-21	C	0774-03-21 08:37:40	0774-03-21 12:08:11	153	0774-03-21	0774-03-21 09:18:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
152	0773-03-21	C	0773-03-21 02:49:44	0773-03-21 12:08:06	152	0773-03-21	0773-03-21 03:31:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
151	0772-03-21	L	0772-03-20 20:56:28	0772-03-20 12:08:21	151	0772-03-21	0772-03-20 21:38:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
150	0771-03-22	C	0771-03-21 15:18:54	0771-03-21 12:08:14	150	0771-03-22	0771-03-21 15:59:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
149	0770-03-21	C	0770-03-21 09:25:46	0770-03-21 12:08:11	149	0770-03-21	0770-03-21 10:05:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
148	0769-03-21	C	0769-03-21 03:28:47	0769-03-21 12:08:06	148	0769-03-21	0769-03-21 04:08:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
147	0768-03-21	L	0768-03-20 21:48:33	0768-03-20 12:08:21	147	0768-03-21	0768-03-20 22:28:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
146	0767-03-22	C	0767-03-21 15:54:08	0767-03-21 12:08:16	146	0767-03-22	0767-03-21 16:31:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
145	0766-03-21	C	0766-03-21 10:00:43	0766-03-21 12:08:11	145	0766-03-21	0766-03-21 10:38:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
144	0765-03-21	C	0765-03-21 04:07:46	0765-03-21 12:08:06	144	0765-03-21	0765-03-21 04:49:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
143	0764-03-21	L	0764-03-20 22:08:51	0764-03-20 12:08:24	143	0764-03-21	0764-03-20 22:53:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			

Nowruz date	Persian year	Nowruz compared to sun transit by Gregorian calendar	Sun transit ref. Leap/common	Vernal Equinox	Sun Transit noon time	Persian year	Nowruz compared to sun transit by Gregorian calendar	Leap/common	Vernal Equinox	r	Sayyad compare to kstars	Sayyad compare to timeanddate.com	r	Birashk compare to kstars	Birashk compare to timeanddate.com	r	Akrami compare to kstars	Akrami compare to timeanddate.com	r	Malekzadeh compare to kstars	Malekzadeh compare to timeanddate.com	r	Abdollahi compare to kstars	Abdollahi compare to timeanddate.com	r	Kaveh compare to kstars	Kaveh compare to timeanddate.com	Vernal Equinox (Accurate times)	Sun Transit noon time	Nowruz compared to sun transit by Gregorian calendar
	142	0763-03-22	C	0763-03-21 16:29:51	0763-03-21 12:08:16	142	0763-03-22	C	0763-03-21 17:12:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	141	0762-03-21	L	0762-03-21 10:41:16	0762-03-21 12:08:11	141	0762-03-21	L	0762-03-21 11:21:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	140	0761-03-21	C	0761-03-21 04:47:19	0761-03-21 12:08:08	140	0761-03-21	C	0761-03-21 05:28:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	139	0760-03-20	C	0760-03-20 23:11:36	0760-03-20 12:08:21	139	0760-03-20	C	0760-03-20 23:53:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	138	0759-03-22	C	0759-03-21 17:22:50	0759-03-21 12:08:18	138	0759-03-22	C	0759-03-21 18:04:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	137	0758-03-21	L	0758-03-21 11:33:34	0758-03-21 12:08:13	137	0758-03-22	C	0758-03-21 12:16:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	0758-03-21 11:24:32	0758-03-21 12:07:45	0758-03-21
	136	0757-03-21	C	0757-03-21 05:50:00	0757-03-21 12:08:06	136	0757-03-21	L	0757-03-21 06:34:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE			
	135	0756-03-22	C	0756-03-20 23:57:25	0756-03-20 12:08:24	135	0756-03-22	C	0756-03-21 00:41:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	134	0755-03-22	C	0755-03-21 18:19:11	0755-03-21 12:08:16	134	0755-03-22	C	0755-03-21 18:59:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	133	0754-03-22	C	0754-03-21 12:27:46	0754-03-21 12:08:13	133	0754-03-22	C	0754-03-21 13:07:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	132	0753-03-21	C	0753-03-21 06:25:37	0753-03-21 12:08:09	132	0753-03-21	L	0753-03-21 07:08:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	131	0752-03-21	C	0752-03-21 00:42:42	0752-03-21 12:08:03	131	0752-03-21	C	0752-03-21 01:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	130	0751-03-22	C	0751-03-21 18:49:50	0751-03-21 12:08:21	130	0751-03-22	C	0751-03-21 19:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	129	0750-03-22	C	0750-03-21 12:56:13	0750-03-21 12:08:14	129	0750-03-22	C	0750-03-21 13:37:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	128	0749-03-21	L	0749-03-21 07:09:26	0749-03-21 12:08:09	128	0749-03-21	C	0749-03-21 07:52:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	127	0748-03-21	C	0748-03-21 01:14:37	0748-03-21 12:08:04	127	0748-03-21	C	0748-03-21 01:58:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	126	0747-03-22	C	0747-03-21 19:32:18	0747-03-21 12:08:19	126	0747-03-22	C	0747-03-21 20:14:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	125	0746-03-22	C	0746-03-21 13:43:31	0746-03-21 12:08:14	125	0746-03-22	C	0746-03-21 14:25:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	124	0745-03-21	L	0745-03-21 07:46:10	0745-03-21 12:08:09	124	0745-03-21	L	0745-03-21 08:29:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	123	0744-03-22	C	0744-03-21 02:08:02	0744-03-21 12:08:03	123	0744-03-22	C	0744-03-21 02:50:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	122	0743-03-22	C	0743-03-21 20:19:49	0743-03-21 12:08:19	122	0743-03-22	C	0743-03-21 21:00:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	121	0742-03-22	C	0742-03-21 14:24:51	0742-03-21 12:08:14	121	0742-03-22	C	0742-03-21 15:06:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	120	0741-03-21	L	0741-03-21 08:36:29	0741-03-21 12:08:11	120	0741-03-21	L	0741-03-21 09:23:16	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	119	0740-03-22	C	0740-03-21 02:44:03	0740-03-21 12:08:06	119	0740-03-22	C	0740-03-21 03:32:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	118	0739-03-22	C	0739-03-21 21:02:42	0739-03-21 12:08:21	118	0739-03-22	C	0739-03-21 21:48:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	117	0738-03-22	C	0738-03-21 15:19:15	0738-03-21 12:08:15	117	0738-03-22	C	0738-03-21 16:02:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	116	0737-03-21	L	0737-03-21 09:25:04	0737-03-21 12:08:11	116	0737-03-21	L	0737-03-21 10:07:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	115	0736-03-21	C	0736-03-21 03:45:57	0736-03-21 12:08:04	115	0736-03-21	C	0736-03-21 04:29:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	114	0735-03-22	C	0735-03-21 21:59:38	0735-03-21 12:08:21	114	0735-03-22	C	0735-03-21 22:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	113	0734-03-22	C	0734-03-21 16:03:35	0734-03-21 12:08:16	113	0734-03-22	C	0734-03-21 16:46:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	112	0733-03-21	L	0733-03-21 10:16:32	0733-03-21 12:08:11	112	0733-03-21	L	0733-03-21 11:01:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	111	0732-03-21	C	0732-03-21 04:24:17	0732-03-21 12:08:06	111	0732-03-21	C	0732-03-21 05:08:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	110	0731-03-22	C	0731-03-21 22:35:58	0731-03-21 12:08:21	110	0731-03-22	C	0731-03-21 23:17:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	109	0730-03-22	C	0730-03-21 16:43:45	0730-03-21 12:08:16	109	0730-03-22	C	0730-03-21 17:26:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	108	0729-03-21	L	0729-03-21 10:40:49	0729-03-21 12:08:13	108	0729-03-21	L	0729-03-21 11:27:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	107	0728-03-22	C	0728-03-21 04:54:26	0728-03-21 12:08:06	107	0728-03-22	C	0728-03-21 05:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	106	0727-03-22	C	0727-03-21 23:08:16	0727-03-21 12:08:23	106	0727-03-22	C	0727-03-21 23:54:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	105	0726-03-22	C	0726-03-21 17:13:30	0726-03-21 12:08:19	105	0726-03-22	C	0726-03-21 17:58:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	104	0725-03-21	L	0725-03-21 11:29:25	0725-03-21 12:08:13	104	0725-03-22	C	0725-03-21 12:16:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	0725-03-21 11:19:24	0725-03-21 12:07:49	0725-03-21
	103	0724-03-21	C	0724-03-21 05:42:22	0724-03-21 12:08:08	103	0724-03-21	L	0724-03-21 06:30:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE			
	102	0723-03-22	C	0723-03-21 23:59:02	0723-03-21 12:08:23	102	0723-03-22	C	0723-03-22 00:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	101	0722-03-22	C	0722-03-21 18:15:14	0722-03-21 12:08:16	101	0722-03-22	C	0722-03-21 19:00:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	100	0721-03-22	C	0721-03-21 12:23:18	0721-03-21 12:08:13	100	0721-03-22	C	0721-03-21 13:08:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	99	0720-03-21	L	0720-03-21 06:43:19	0720-03-21 12:08:06	99	0720-03-21	L	0720-03-21 07:27:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	98	0719-03-22	C	0719-03-22 00:59:11	0719-03-22 12:08:01	98	0719-03-22	C	0719-03-22 01:41:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	97	0718-03-22	C	0718-03-21 19:01:33	0718-03-21 12:08:19	97	0718-03-22	C	0718-03-21 19:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	96	0717-03-22	C	0717-03-21 13:09:41	0717-03-21 12:08:14	96	0717-03-22	C	0717-03-21 13:57:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	95	0716-03-21	L	0716-03-21 07:19:17	0716-03-21 12:08:09	95	0716-03-21	L	0716-03-21 08:08:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	94	0715-03-22	C	0715-03-22 01:31:03	0715-03-22 12:08:04	94	0715-03-22	C	0715-03-22 02:17:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	93	0714-03-22	C	0714-03-21 19:42:50	0714-03-21 12:08:19	93	0714-03-22	C	0714-03-21 20:28:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	92	0713-03-22	C	0713-03-21 13:47:56	0713-03-21 12:08:14	92	0713-03-22	C	0713-03-21 14:34:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	91	0712-03-21	L	0712-03-21 08:01:41	0712-03-21 12:08:09	91	0712-03-21	L	0712-03-21 08:48:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE	L	TRUE	TRUE			
	90	0711-03-22	C	0711-03-22 02:14:59	0711-03-22 12:08:03	90	0711-03-22	C	0711-03-22 03:01:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE	C	TRUE	TRUE			
	89	0710-03-22	C	0710-03-21 20:19:17	0710-03-21 12:08:19	89	0710-03-22	C	0710-03-21 21:05:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	88	0709-03-22	C	0709-03-21 14:29:11	0709-03-21 12:08:14	88	0709-03-22	C	0709-03-21 15:17:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	87	0708-03-21	L	0708-03-21 08:43:54	0708-03-21 12:08:09	87	0708-03-21	L	0708-03-21 09:30:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	86	0707-03-22	C	0707-03-22 02:55:13	0707-03-22 12:08:04	86	0707-03-22	C	0707-03-22 03:39:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	85	0706-03-22	C	0706-03-21 21:04:16	0706-03-21 12:08:19	85	0706-03-22	C	0706-03-21 21:50:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	84	0705-03-22	C	0705-03-21 15:10:25	0705-03-21 12:08:16	84	0705-03-22	C	0705-03-21 15:59:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	83	0704-03-21	L	0704-03-21 09:24:59	0704-03-21 12:08:11	83	0704-03-21	L	0704-03-21 10:14:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	82	0703-03-22	C	0703-03-22 03:43:50	0703-03-22 12:08:04	82	0703-03-22	C	0703-03-22 04:30:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	81	0702-03-22	C	0702-03-21 21:53:47	0702-03-21 12:08:21	81	0702-03-22	C	0702-03-21 22:39:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	80	0701-03-22	C	0701-03-21 16:06:17	0701-03-21 12:08:16	80	0701-03-22	C	0701-03-21 16:54:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	79	0700-03-21	L	0700-03-21 10:23:30	0700-03-21 12:08:11	79	0700-03-21	L	0700-03-21 11:11:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	78	0699-03-21	C	0699-03-21 04:36:37	0699-03-21 12:08:06	78	0699-03-21	C	0699-03-21 05:24:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	77	0698-03-21	C	0698-03-20 22:46:46	0698-03-20 12:08:21	77	0698-03-21	C	0698-03-20 23:34:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	76	0697-03-21	C	0697-03-20 16:56:06	0697-03-20 12:08:16	76	0697-03-21	C	0697-03-20 17:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	75	0696-03-20	L	0696-03-20 11:08:04	0696-03-20 12:08:11	75	0696-03-20	L	0696-03-20 11:55:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE	C	FALSE	FALSE			
	74	0695-03-21	C	0695-03-21 05:19:18	0695-03-21 12:08:04	74	0695-03-21	C	0695-03-21 06:04:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE	L	FALSE	FALSE			
	73	0694-03-21	C	0694-03-20 23:20:00	0694-03-20 12:08:23	73	0694-03-21	C	0694-03-21 00:08:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	72	0693-03-21	C	0693-03-20 17:22:40	0693-03-20 12:08:18	72	0693-03-21	C	0693-03-20 18:14:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	71	0692-03-20	L	0692-03-20 11:34:41	0692-03-20 12:08:13	71	0692-03-21	C	0692-03-20 12:27:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	C	FALSE	TRUE	0692-03-20 11:22:44	0692-03-20 12:07:49	0692-03-20
	70	0691-03-21	C	0691-03-21 05:47:34	0691-03-21 12:08:06	70	0691-03-21	L	0691-03-21 06:36:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE	L	FALSE	TRUE			
	69	0690-03-21	C	0690-03-20 23:57:03	0690-03-20 12:08:23	69	0690-03-21	C	0690-03-21 00:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	68	0689-03-21	C	0689-03-20 18:09:16	0689-03-20 12:08:18	68	0689-03-21	C	0689-03-20 18:57:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	67	0688-03-21	C	0688-03-20 12:24:51	0688-03-20 12:08:11	67	0688-03-21	C	0688-03-20 13:13:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	66	0687-03-21	L	0687-03-21 06:40:11	0687-03-21 12:08:06	66	0687-03-21	L	0687-03-21 07:27:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			

Comparison of Nowruz determination across different calendars and software.

calendar.ut.ac.ir Nowruz date	Kstars Persian year	Kstars Nowruz compared	L/C	Kstars Vernal Equinox	Kstars Sun Transit noon time	TAD Persian year	TAD Nowruz compared	L/C	TAD Vernal Equinox	Sayyad vs kstars	Sayyad vs t&d	Birashk vs kstars	Birashk vs t&d	Akrami vs kstars	Akrami vs t&d	Malekzadeh vs kstars	Malekzadeh vs t&d	Abdollahi vs kstars	Abdollahi vs t&d	Kaveh vs kstars	Kaveh vs t&d	Accurate Vernal Equinox	Accurate Sun Transit	Accurate Nowruz
	65	0686-03-21	C	0686-03-21 00:51:49	0686-03-21 12:08:01	65	0686-03-21	C	0686-03-21 01:39:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	64	0685-03-21	C	0685-03-20 19:02:16	0685-03-20 12:08:18	64	0685-03-21	C	0685-03-20 19:50:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	63	0684-03-21	C	0684-03-20 13:20:08	0684-03-20 12:08:11	63	0684-03-21	C	0684-03-20 14:07:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	62	0683-03-21	L	0683-03-21 07:34:17	0683-03-21 12:08:06	62	0683-03-21	L	0683-03-21 08:20:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	61	0682-03-21	C	0682-03-21 01:38:26	0682-03-21 12:08:03	61	0682-03-21	C	0682-03-21 02:27:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	60	0681-03-21	C	0681-03-20 19:47:40	0681-03-20 12:08:19	60	0681-03-21	C	0681-03-20 20:39:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	59	0680-03-21	C	0680-03-20 14:01:16	0680-03-20 12:08:14	59	0680-03-21	C	0680-03-20 14:52:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	58	0679-03-21	L	0679-03-21 08:13:19	0679-03-21 12:08:09	58	0679-03-21	L	0679-03-21 09:02:16	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE			
	57	0678-03-21	C	0678-03-21 02:24:27	0678-03-21 12:08:03	57	0678-03-21	C	0678-03-21 03:13:16	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE			
	56	0677-03-21	C	0677-03-20 20:30:04	0677-03-20 12:08:07	56	0677-03-21	C	0677-03-20 21:21:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	55	0676-03-21	C	0676-03-20 14:43:58	0676-03-20 12:08:14	55	0676-03-21	C	0676-03-20 15:35:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	54	0675-03-21	L	0675-03-21 08:57:30	0675-03-21 12:08:08	54	0675-03-21	L	0675-03-21 09:47:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	53	0674-03-21	C	0674-03-21 03:01:23	0674-03-21 12:08:04	53	0674-03-21	C	0674-03-21 03:51:16	TRUE	TRUE	FALSE	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	52	0673-03-21	C	0673-03-20 21:13:32	0673-03-20 12:08:19	52	0673-03-21	C	0673-03-20 22:02:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	51	0672-03-21	C	0672-03-20 15:27:18	0672-03-20 12:08:14	51	0672-03-21	C	0672-03-20 16:14:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	50	0671-03-21	L	0671-03-21 09:35:01	0671-03-21 12:08:09	50	0671-03-21	L	0671-03-21 10:21:16	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	49	0670-03-21	C	0670-03-21 03:42:23	0670-03-21 12:08:04	49	0670-03-21	C	0670-03-21 04:31:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	48	0669-03-21	C	0669-03-20 21:46:43	0669-03-20 12:08:21	48	0669-03-21	C	0669-03-20 22:40:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	47	0668-03-21	C	0668-03-20 16:01:32	0668-03-20 12:08:16	47	0668-03-21	C	0668-03-20 16:55:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	46	0667-03-21	L	0667-03-21 10:21:07	0667-03-21 12:08:09	46	0667-03-21	L	0667-03-21 11:12:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	45	0666-03-21	C	0666-03-21 04:28:56	0666-03-21 12:08:04	45	0666-03-21	C	0666-03-21 05:19:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	44	0665-03-21	C	0665-03-20 22:44:50	0665-03-20 12:08:21	44	0665-03-21	C	0665-03-20 23:36:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	43	0664-03-21	C	0664-03-20 17:03:34	0664-03-20 12:08:14	43	0664-03-21	C	0664-03-20 17:55:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	42	0663-03-21	L	0663-03-21 11:14:44	0663-03-21 12:08:09	42	0663-03-21	L	0663-03-21 12:05:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	41	0662-03-21	C	0662-03-21 05:27:55	0662-03-21 12:08:04	41	0662-03-21	C	0662-03-21 06:18:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	40	0661-03-21	C	0661-03-20 23:36:53	0661-03-20 12:08:21	40	0661-03-21	C	0661-03-21 00:28:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	39	0660-03-21	C	0660-03-20 17:48:11	0660-03-20 12:08:16	39	0660-03-21	C	0660-03-20 18:38:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	38	0659-03-21	L	0659-03-21 12:02:12	0659-03-21 12:08:09	38	0659-03-22	L	0659-03-21 12:51:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	0695-03-21 11:49:35	0659-03-21 12:07:47	0695-03-21
	37	0658-03-21	C	0658-03-21 06:00:02	0658-03-21 12:08:06	37	0658-03-21	L	0658-03-21 06:51:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			
	36	0657-03-21	C	0657-03-21 00:06:59	0657-03-21 12:08:01	36	0657-03-21	C	0657-03-21 01:01:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	35	0656-03-21	C	0656-03-20 18:23:17	0656-03-20 12:08:16	35	0656-03-21	C	0656-03-20 19:15:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	34	0655-03-22	C	0655-03-21 12:29:56	0655-03-21 12:08:11	34	0655-03-22	C	0655-03-21 13:19:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	33	0654-03-21	L	0654-03-21 06:42:18	0654-03-21 12:08:06	33	0654-03-21	L	0654-03-21 07:31:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	32	0653-03-21	C	0653-03-21 00:50:51	0653-03-21 12:08:01	32	0653-03-21	C	0653-03-21 01:42:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	31	0652-03-21	C	0652-03-20 19:01:33	0652-03-20 12:08:16	31	0652-03-21	C	0652-03-20 19:54:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	30	0651-03-22	C	0651-03-21 13:21:04	0651-03-21 12:08:11	30	0651-03-22	C	0651-03-21 14:13:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	29	0650-03-21	L	0650-03-21 07:26:03	0650-03-21 12:08:06	29	0650-03-21	L	0650-03-21 08:18:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	28	0649-03-21	C	0649-03-21 01:39:13	0649-03-21 12:08:01	28	0649-03-21	C	0649-03-21 02:31:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	27	0648-03-20	C	0648-03-20 20:01:02	0648-03-20 12:08:16	27	0648-03-20	C	0648-03-20 20:51:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	26	0647-03-22	C	0647-03-21 14:05:56	0647-03-21 12:08:13	26	0647-03-22	C	0647-03-21 14:56:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	25	0646-03-21	L	0646-03-21 08:16:49	0646-03-21 12:08:08	25	0646-03-21	L	0646-03-21 09:09:16	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE			
	24	0645-03-21	C	0645-03-21 02:25:57	0645-03-21 12:08:03	24	0645-03-21	C	0645-03-21 03:22:16	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE			
	23	0644-03-21	C	0644-03-20 20:36:56	0644-03-20 12:08:19	23	0644-03-21	C	0644-03-20 21:32:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	22	0643-03-22	C	0643-03-21 14:58:26	0643-03-21 12:08:13	22	0643-03-22	C	0643-03-21 15:50:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	21	0642-03-21	L	0642-03-21 09:03:19	0642-03-21 12:08:09	21	0642-03-21	L	0642-03-21 09:55:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	20	0641-03-21	C	0641-03-21 03:13:20	0641-03-21 12:08:04	20	0641-03-21	C	0641-03-21 04:06:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	19	0640-03-21	C	0640-03-20 21:33:45	0640-03-20 12:08:18	19	0640-03-21	C	0640-03-20 22:27:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	18	0639-03-22	C	0639-03-21 15:37:59	0639-03-21 12:08:14	18	0639-03-22	C	0639-03-21 16:29:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	17	0638-03-21	L	0638-03-21 09:48:03	0638-03-21 12:08:08	17	0638-03-21	L	0638-03-21 10:39:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	16	0637-03-21	C	0637-03-21 03:58:18	0637-03-21 12:08:03	16	0637-03-21	C	0637-03-21 04:50:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	15	0636-03-21	C	0636-03-20 22:03:13	0636-03-20 12:08:19	15	0636-03-21	C	0636-03-20 22:54:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	14	0635-03-21	C	0635-03-21 16:17:17	0635-03-21 12:08:13	14	0635-03-21	C	0635-03-21 17:09:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	13	0634-03-21	L	0634-03-21 10:16:37	0634-03-21 12:08:09	13	0634-03-21	L	0634-03-21 11:12:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	12	0633-03-21	C	0633-03-21 04:22:29	0633-03-21 12:08:06	12	0633-03-21	C	0633-03-21 05:20:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	11	0632-03-21	C	0632-03-20 22:45:58	0632-03-20 12:08:19	11	0632-03-21	C	0632-03-20 23:42:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	10	0631-03-21	C	0631-03-21 16:54:59	0631-03-21 12:08:14	10	0631-03-22	C	0631-03-21 17:47:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	9	0630-03-21	L	0630-03-21 11:08:20	0630-03-21 12:08:09	9	0630-03-21	L	0630-03-21 12:01:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	8	0629-03-21	C	0629-03-21 05:26:07	0629-03-21 12:08:04	8	0629-03-21	C	0629-03-21 06:21:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	7	0628-03-20	C	0628-03-20 23:35:59	0628-03-20 12:08:21	7	0628-03-20	C	0628-03-21 00:31:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	6	0627-03-22	C	0627-03-21 17:57:44	0627-03-21 12:08:14	6	0627-03-22	C	0627-03-21 18:51:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	5	0626-03-21	L	0626-03-21 12:06:35	0626-03-21 12:08:09	5	0626-03-22	L	0626-03-21 13:00:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	0626-03-21 11:51:57	0626-03-21 12:07:47	0626-03-21
	4	0625-03-21	C	0625-03-21 06:14:39	0625-03-21 12:08:03	4	0625-03-21	L	0625-03-21 07:08:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			
	3	0624-03-21	C	0624-03-21 00:37:42	0624-03-21 12:07:58	3	0624-03-21	C	0624-03-21 01:29:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	2	0623-03-22	C	0623-03-21 18:39:17	0623-03-21 12:08:16	2	0623-03-22	C	0623-03-21 19:31:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	1	0622-03-21	C	0622-03-21 12:42:52	0622-03-21 12:08:11	1	0622-03-21	C	0622-03-21 13:37:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	0	0621-03-21	L	0621-03-21 06:55:03	0621-03-21 12:08:06	0	0621-03-21	L	0621-03-21 07:52:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	-1	0620-03-21	C	0620-03-21 00:59:29	0620-03-21 12:08:01	-1	0620-03-21	C	0620-03-21 01:55:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	-2	0619-03-22	C	0619-03-21 19:16:22	0619-03-21 12:08:16	-2	0619-03-22	C	0619-03-21 20:10:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	-3	0618-03-21	C	0618-03-21 13:22:36	0618-03-21 12:08:11	-3	0618-03-21	C	0618-03-21 14:17:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	-4	0617-03-21	L	0617-03-21 07:26:07	0617-03-21 12:08:06	-4	0617-03-21	L	0617-03-21 08:23:16	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	TRUE			
	-5	0616-03-21	C	0616-03-21 01:49:36	0616-03-21 12:07:59	-5	0616-03-21	C	0616-03-21 02:46:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	-6	0615-03-21	C	0615-03-21 19:55:39	0615-03-21 12:08:16	-6	0615-03-21	C	0615-03-21 20:51:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	-7	0614-03-22	C	0614-03-21 14:04:33	0614-03-21 12:08:11	-7	0614-03-22	C	0614-03-21 14:59:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	-8	0613-03-21	L	0613-03-21 08:23:09	0613-03-21 12:08:06	-8	0613-03-21	L	0613-03-21 09:18:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
	-9	0612-03-21	C	0612-03-21 02:29:59	0612-03-21 12:08:01	-9	0612-03-21	C	0612-03-21 03:24:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	-10	0611-03-22	C	0611-03-21 20:45:07	0611-03-21 12:08:16	-10	0611-03-22	C	0611-03-21 21:40:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
	-11	0610-03-22	C	0610-03-21 14:52:49	0610-03-21 12:08:13	-11	0610-03-22	C	0610-03-21 15:51:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			

Comparison of Nowruz / Vernal Equinox calculations across sources (Persian years −12 to −88)

Nowruz date (calendar.ut.ac.ir)	Persian year	Kstars Vernal Equinox	Kstars Sun Transit noon time	timeanddate Vernal Equinox	Sayyad vs kstars	Sayyad vs t&d	Birashk vs kstars	Birashk vs t&d	Akrami vs kstars	Akrami vs t&d	Malekzadeh vs kstars	Malekzadeh vs t&d	Abdollahi vs kstars	Abdollahi vs t&d	Kaveh vs kstars	Kaveh vs t&d	Accurate times Vernal Equinox	Accurate times Sun Transit noon	Accurate times Nowruz
0609-03-21	−12	0609-03-21 08:58:26	0609-03-21 12:08:09	0609-03-21 09:57:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
0608-03-21	−13	0608-03-21 03:24:57	0608-03-21 12:08:01	0608-03-21 04:22:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
0607-03-22	−14	0607-03-21 21:35:55	0607-03-21 12:08:18	0607-03-21 22:30:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0606-03-21	−15	0606-03-21 15:43:19	0606-03-21 12:08:14	0606-03-21 16:37:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0605-03-21	−16	0605-03-21 10:02:03	0605-03-21 12:08:06	0605-03-21 10:59:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
0604-03-21	−17	0604-03-21 04:08:31	0604-03-21 12:08:03	0604-03-21 05:06:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
0603-03-22	−18	0603-03-21 22:22:04	0603-03-21 12:08:18	0603-03-21 23:18:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0602-03-22	−19	0602-03-21 16:31:15	0602-03-21 12:08:13	0602-03-21 17:28:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0601-03-21	−20	0601-03-21 10:33:06	0601-03-21 12:08:09	0601-03-21 11:29:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
0600-03-21	−21	0600-03-21 04:51:09	0600-03-21 12:08:01	0600-03-21 05:47:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			
0599-03-21	−22	0599-03-20 22:54:55	0599-03-20 12:08:19	0599-03-20 23:51:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0598-03-21	−23	0598-03-20 16:53:25	0598-03-20 12:08:16	0598-03-21 17:52:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0597-03-20	−24	0597-03-20 11:10:54	0597-03-20 12:08:09	0597-03-20 12:11:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	0597-03-20 10:55:38	0597-03-20 12:07:46	0597-03-20
0596-03-21	−25	0596-03-20 05:19:56	0596-03-20 12:08:04	0596-03-20 06:19:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			
0595-03-21	−26	0595-03-20 23:35:13	0595-03-20 12:08:19	0595-03-21 00:32:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0594-03-21	−27	0594-03-20 17:50:14	0594-03-20 12:08:14	0594-03-20 18:47:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0593-03-20	−28	0593-03-20 11:56:42	0593-03-20 12:08:09	0593-03-20 12:55:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	0593-03-20 11:41:06	0593-03-20 12:07:47	0593-03-20
0592-03-20	−29	0592-03-20 06:21:36	0592-03-20 12:08:03	0592-03-20 07:19:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			
0591-03-21	−30	0591-03-21 00:35:24	0591-03-21 12:07:58	0591-03-21 01:31:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0590-03-21	−31	0590-03-20 18:41:10	0590-03-20 12:08:14	0590-03-20 19:36:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0589-03-21	−32	0589-03-20 13:01:39	0589-03-20 12:08:09	0589-03-20 13:58:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0588-03-20	−33	0588-03-20 07:09:08	0588-03-20 12:08:04	0588-03-20 08:06:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0587-03-21	−34	0587-03-21 01:16:05	0587-03-21 12:07:59	0587-03-21 02:14:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0586-03-21	−35	0586-03-20 19:25:08	0586-03-20 12:08:16	0586-03-20 20:27:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0585-03-21	−36	0585-03-20 13:27:19	0585-03-20 12:08:13	0585-03-20 14:30:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE			
0584-03-20	−37	0584-03-20 07:47:37	0584-03-20 12:08:08	0584-03-20 08:48:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	TRUE	TRUE			
0583-03-21	−38	0583-03-21 01:58:41	0583-03-21 12:07:59	0583-03-21 02:57:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0582-03-21	−39	0582-03-20 20:00:14	0582-03-20 12:08:16	0582-03-20 20:58:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0581-03-21	−40	0581-03-20 14:16:47	0581-03-20 12:08:11	0581-03-20 15:18:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0580-03-20	−41	0580-03-20 08:26:18	0580-03-20 12:08:06	0580-03-20 09:27:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			FALSE	FALSE			
0579-03-21	−42	0579-03-21 02:35:22	0579-03-21 12:08:01	0579-03-21 03:34:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0578-03-21	−43	0578-03-20 20:48:43	0578-03-20 12:08:16	0578-03-20 21:48:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0577-03-21	−44	0577-03-20 14:54:45	0577-03-20 12:08:11	0577-03-20 15:53:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0576-03-20	−45	0576-03-20 09:11:44	0576-03-20 12:08:06	0576-03-20 10:10:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			FALSE	FALSE			
0575-03-21	−46	0575-03-21 03:22:41	0575-03-21 12:08:01	0575-03-21 04:22:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE							
0574-03-21	−47	0574-03-20 21:24:12	0574-03-20 12:08:16	0574-03-20 22:25:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0573-03-21	−48	0573-03-20 15:43:14	0573-03-20 12:08:13	0573-03-20 16:46:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0572-03-20	−49	0572-03-20 09:59:05	0572-03-20 12:08:06	0572-03-20 11:00:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			FALSE	FALSE			
0571-03-21	−50	0571-03-21 04:10:20	0571-03-21 12:08:01	0571-03-21 05:10:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0570-03-21	−51	0570-03-20 22:25:16	0570-03-20 12:08:18	0570-03-20 23:27:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0569-03-21	−52	0569-03-20 16:34:08	0569-03-20 12:08:14	0569-03-20 17:37:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0568-03-20	−53	0568-03-20 10:51:23	0568-03-20 12:08:06	0568-03-20 11:54:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			FALSE	FALSE			
0567-03-21	−54	0567-03-21 05:06:19	0567-03-21 12:08:01	0567-03-21 06:06:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE			FALSE	FALSE			
0566-03-21	−55	0566-03-20 23:08:24	0566-03-20 12:08:19	0566-03-21 00:07:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0565-03-21	−56	0565-03-20 17:22:26	0565-03-20 12:08:13	0565-03-20 18:22:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0564-03-20	−57	0564-03-20 11:31:08	0564-03-20 12:08:08	0564-03-20 12:31:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			FALSE	TRUE	0564-03-20 11:15:20	0564-03-20 12:07:45	0564-03-20
0563-03-21	−58	0563-03-21 05:31:48	0563-03-21 12:08:04	0563-03-21 06:33:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			FALSE	TRUE			
0562-03-21	−59	0562-03-20 23:39:40	0562-03-20 12:08:19	0562-03-21 00:44:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0561-03-21	−60	0561-03-20 17:46:42	0561-03-20 12:08:14	0561-03-20 18:52:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0560-03-20	−61	0560-03-20 12:03:08	0560-03-20 12:08:09	0560-03-20 13:05:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			FALSE	TRUE	0560-03-20 11:47:06	0560-03-20 12:07:46	0560-03-20
0559-03-21	−62	0559-03-21 06:18:37	0559-03-21 12:08:03	0559-03-21 07:18:16	TRUE	FALSE	FALSE	TRUE	FALSE	TRUE	FALSE	TRUE			FALSE	TRUE			
0558-03-21	−63	0558-03-21 00:23:39	0558-03-21 12:07:57	0558-03-21 01:24:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0557-03-21	−64	0557-03-20 18:40:04	0557-03-20 12:08:14	0557-03-20 19:43:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0556-03-21	−65	0556-03-20 12:56:50	0556-03-20 12:08:09	0556-03-20 14:00:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0555-03-21	−66	0555-03-21 07:06:14	0555-03-21 12:08:04	0555-03-21 08:08:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0554-03-21	−67	0554-03-21 01:20:06	0554-03-21 12:07:57	0554-03-21 02:23:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0553-03-21	−68	0553-03-20 19:31:08	0553-03-20 12:08:14	0553-03-20 20:35:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0552-03-21	−69	0552-03-20 13:44:51	0552-03-20 12:08:09	0552-03-20 14:48:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE							
0551-03-21	−70	0551-03-21 07:55:40	0551-03-21 12:08:04	0551-03-21 09:00:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE					
0550-03-21	−71	0550-03-21 02:00:00	0550-03-21 12:08:01	0550-03-21 03:05:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE							
0549-03-21	−72	0549-03-20 20:13:51	0549-03-20 12:08:16	0549-03-20 21:20:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE									
0548-03-21	−73	0548-03-20 14:30:22	0548-03-20 12:08:09	0548-03-20 15:34:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE									
0547-03-21	−74	0547-03-21 08:37:46	0547-03-21 12:08:06	0547-03-21 09:40:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE					FALSE	FALSE			
0546-03-21	−75	0546-03-21 02:45:55	0546-03-21 12:07:59	0546-03-21 03:51:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE					FALSE	FALSE			
0545-03-21	−76	0545-03-20 20:56:26	0545-03-20 12:08:16	0545-03-20 22:03:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE									
0544-03-21	−77	0544-03-20 15:08:47	0544-03-20 12:08:11	0544-03-20 16:13:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE									
0543-03-21	−78	0543-03-21 09:20:44	0543-03-21 12:08:04	0543-03-21 10:23:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE									
0542-03-21	−79	0542-03-21 03:26:51	0542-03-21 12:07:59	0542-03-21 04:28:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE					FALSE	FALSE			
0541-03-21	−80	0541-03-20 21:36:56	0541-03-20 12:08:11	0541-03-20 22:40:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE									
0540-03-21	−81	0540-03-20 15:49:04	0540-03-20 12:08:11	0540-03-20 16:53:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE									
0539-03-21	−82	0539-03-21 09:53:40	0539-03-21 12:08:06	0539-03-21 10:59:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE					FALSE	FALSE			
0538-03-21	−83	0538-03-21 04:00:40	0538-03-21 12:08:01	0538-03-21 05:10:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE					FALSE	FALSE			
0537-03-21	−84	0537-03-20 22:16:46	0537-03-20 12:08:18	0537-03-20 23:26:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE									
0536-03-21	−85	0536-03-20 16:34:05	0536-03-20 12:08:13	0536-03-20 17:41:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE									
0535-03-21	−86	0535-03-21 10:50:05	0535-03-21 12:08:06	0535-03-21 11:54:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE									
0534-03-21	−87	0534-03-21 05:01:27	0534-03-21 12:08:01	0534-03-21 06:07:16	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE					FALSE	FALSE			
0533-03-21	−88	0533-03-20 23:15:52	0533-03-20 12:08:18	0533-03-21 00:23:16	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE					TRUE	TRUE			

calendar.ut.ac.ir — Nowruz date	Kstars — Persian year	Kstars — Nowruz vs sun transit (Gregorian)	Kstars — Leap/common	Kstars — Vernal Equinox	Kstars — Sun Transit noon time	t&d — Persian year	t&d — Nowruz vs sun transit (Gregorian)	t&d — Leap/common	t&d — Vernal Equinox	Sayyad L/C	Sayyad vs kstars	Sayyad vs t&d	Birashk L/C	Birashk vs kstars	Birashk vs t&d	Akrami L/C	Akrami vs kstars	Akrami vs t&d	Malekzadeh vs kstars	Malekzadeh vs t&d	Abdollahi vs kstars	Abdollahi vs t&d	Kaveh L/C	Kaveh vs kstars	Kaveh vs t&d	Accurate — Vernal Equinox	Accurate — Sun Transit noon time	Accurate — Nowruz vs sun transit (Gregorian)
	-89	0532-03-21	C	0532-03-20 17:33:34	0532-03-20 12:08:11	-89	0532-03-21	C	0532-03-20 18:39:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-90	0531-03-21	L	0531-03-21 11:43:55	0531-03-21 12:08:06	-90	0531-03-22	C	0531-03-21 12:48:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE					C	FALSE	TRUE	0531-03-21 11:26:24	0531-03-21 12:07:45	0531-03-21
	-91	0530-03-21	C	0530-03-21 05:50:48	0530-03-21 12:08:01	-91	0530-03-21	L	0530-03-21 06:55:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE					L	FALSE	TRUE			
	-92	0529-03-21	C	0529-03-21 00:01:44	0529-03-21 12:07:56	-92	0529-03-21	C	0529-03-21 01:08:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-93	0528-03-21	C	0528-03-20 18:10:36	0528-03-20 12:08:13	-93	0528-03-21	C	0528-03-20 19:17:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-94	0527-03-22	C	0527-03-21 12:14:41	0527-03-21 12:08:09	-94	0527-03-22	C	0527-03-21 13:22:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-95	0526-03-21	L	0526-03-21 06:20:29	0526-03-21 12:08:04	-95	0526-03-21	C	0526-03-21 07:29:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE					L	TRUE	TRUE			
	-96	0525-03-21	C	0525-03-21 00:30:39	0525-03-21 12:07:58	-96	0525-03-21	C	0525-03-21 01:39:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-97	0524-03-21	C	0524-03-20 18:44:52	0524-03-20 12:08:14	-97	0524-03-21	C	0524-03-20 19:51:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-98	0523-03-22	C	0523-03-21 12:54:53	0523-03-21 12:08:09	-98	0523-03-22	C	0523-03-21 14:01:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-99	0522-03-21	C	0522-03-21 07:00:33	0522-03-21 12:08:04	-99	0522-03-21	L	0522-03-21 08:10:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE					L	TRUE	TRUE			
	-100	0521-03-21	C	0521-03-21 01:14:52	0521-03-21 12:07:58	-100	0521-03-21	C	0521-03-21 02:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-101	0520-03-22	C	0520-03-21 19:32:27	0520-03-20 12:08:14	-101	0520-03-21	C	0520-03-20 20:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-102	0519-03-22	C	0519-03-21 13:43:02	0519-03-21 12:08:09	-102	0519-03-22	C	0519-03-21 14:50:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-103	0518-03-21	L	0518-03-21 07:56:56	0518-03-21 12:08:04	-103	0518-03-21	L	0518-03-21 09:03:16	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE					L	TRUE	TRUE			
	-104	0517-03-21	C	0517-03-21 02:09:26	0517-03-21 12:07:58	-104	0517-03-21	C	0517-03-21 03:17:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-105	0516-03-21	C	0516-03-20 20:21:31	0516-03-20 12:08:14	-105	0516-03-21	C	0516-03-20 21:30:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-106	0515-03-22	C	0515-03-21 14:32:29	0515-03-21 12:08:09	-106	0515-03-22	C	0515-03-21 15:41:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-107	0514-03-21	L	0514-03-21 08:37:34	0514-03-21 12:08:06	-107	0514-03-21	L	0514-03-21 09:49:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE					C	FALSE	FALSE			
	-108	0513-03-21	C	0513-03-21 02:53:50	0513-03-21 12:07:59	-108	0513-03-21	C	0513-03-21 04:05:16	C	TRUE	TRUE	C	FALSE	FALSE	L	TRUE	TRUE					L	FALSE	FALSE			
	-109	0512-03-21	C	0512-03-20 21:12:09	0512-03-20 12:08:14	-109	0512-03-21	C	0512-03-20 22:20:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-110	0511-03-22	C	0511-03-21 15:19:04	0511-03-21 12:08:11	-110	0511-03-22	C	0511-03-21 16:26:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-111	0510-03-21	L	0510-03-21 09:29:57	0510-03-21 12:08:04	-111	0510-03-21	L	0510-03-21 10:38:16	L	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE					L	FALSE	FALSE			
	-112	0509-03-21	C	0509-03-21 03:40:46	0509-03-21 12:07:59	-112	0509-03-21	C	0509-03-21 04:51:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE					L	FALSE	FALSE			
	-113	0508-03-21	C	0508-03-20 21:50:51	0508-03-20 12:08:16	-113	0508-03-21	C	0508-03-20 23:00:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-114	0507-03-22	C	0507-03-21 16:02:28	0507-03-21 12:08:09	-114	0507-03-21	C	0507-03-21 17:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-115	0506-03-21	L	0506-03-21 10:04:08	0506-03-21 12:08:06	-115	0506-03-21	L	0506-03-21 11:13:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE					C	FALSE	FALSE			
	-116	0505-03-21	C	0505-03-21 04:13:54	0505-03-21 12:08:01	-116	0505-03-21	C	0505-03-21 05:24:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE					L	FALSE	FALSE			
	-117	0504-03-21	C	0504-03-20 22:26:33	0504-03-20 12:08:16	-117	0504-03-21	C	0504-03-20 23:38:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-118	0503-03-22	C	0503-03-21 16:29:02	0503-03-21 12:08:13	-118	0503-03-21	C	0503-03-21 17:41:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-119	0502-03-21	L	0502-03-21 10:40:47	0502-03-21 12:08:06	-119	0502-03-21	L	0502-03-21 11:53:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE					C	FALSE	FALSE			
	-120	0501-03-21	C	0501-03-21 04:57:34	0501-03-21 12:08:01	-120	0501-03-21	C	0501-03-21 06:09:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE					L	FALSE	FALSE			
	-121	0500-03-21	C	0500-03-20 23:11:43	0500-03-20 12:08:16	-121	0500-03-21	C	0500-03-21 00:21:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-122	0499-03-21	C	0499-03-20 17:28:54	0499-03-20 12:08:11	-122	0499-03-21	C	0499-03-20 18:38:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-123	0498-03-20	L	0498-03-20 11:36:59	0498-03-20 12:08:06	-123	0498-03-21	C	0498-03-20 12:49:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE					C	FALSE	TRUE	0498-03-20 11:17:57	0498-03-20 12:07:45	0498-03-20
	-124	0497-03-20	C	0497-03-20 05:51:47	0497-03-20 12:08:01	-124	0497-03-20	L	0497-03-20 07:05:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE					L	FALSE	TRUE			
	-125	0496-03-20	C	0496-03-20 00:14:01	0496-03-20 12:07:54	-125	0496-03-20	C	0496-03-20 01:25:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-126	0495-03-21	C	0495-03-20 18:20:31	0495-03-20 12:08:11	-126	0495-03-21	C	0495-03-20 19:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-127	0494-03-21	C	0494-03-21 12:31:45	0494-03-21 12:08:06	-127	0494-03-21	C	0494-03-20 13:40:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-128	0493-03-20	L	0493-03-21 06:44:05	0493-03-20 12:08:01	-128	0493-03-20	L	0493-03-20 07:55:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE					L	TRUE	TRUE			
	-129	0492-03-20	C	0492-03-20 00:47:14	0492-03-20 12:07:56	-129	0492-03-20	C	0492-03-20 01:59:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-130	0491-03-21	C	0491-03-20 18:56:20	0491-03-20 12:08:14	-130	0491-03-21	C	0491-03-20 20:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-131	0490-03-21	C	0490-03-20 12:59:35	0490-03-20 12:08:09	-131	0490-03-21	C	0490-03-20 14:15:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-132	0489-03-20	L	0489-03-20 07:08:49	0489-03-20 12:08:04	-132	0489-03-20	L	0489-03-20 08:25:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE					L	TRUE	TRUE			
	-133	0488-03-20	C	0488-03-20 01:29:42	0488-03-20 12:07:56	-133	0488-03-20	C	0488-03-20 02:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-134	0487-03-21	C	0487-03-20 19:32:36	0487-03-20 12:08:14	-134	0487-03-21	C	0487-03-20 20:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-135	0486-03-21	C	0486-03-20 13:42:59	0486-03-20 12:08:09	-135	0486-03-21	C	0486-03-20 14:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-136	0485-03-20	L	0485-03-20 08:00:35	0485-03-20 12:08:03	-136	0485-03-20	L	0485-03-20 09:14:16	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE					L	TRUE	TRUE			
	-137	0484-03-20	C	0484-03-20 02:08:55	0484-03-20 12:07:56	-137	0484-03-20	C	0484-03-20 03:21:16	C	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE					C	TRUE	TRUE			
	-138	0483-03-21	C	0483-03-20 20:25:17	0483-03-20 12:08:13	-138	0483-03-21	C	0483-03-20 21:35:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-139	0482-03-21	C	0482-03-20 14:32:53	0482-03-20 12:08:09	-139	0482-03-21	C	0482-03-20 15:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-140	0481-03-20	L	0481-03-20 08:41:23	0481-03-20 12:08:04	-140	0481-03-20	L	0481-03-20 09:55:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE					C	FALSE	FALSE			
	-141	0480-03-20	C	0480-03-20 03:01:37	0480-03-20 12:07:58	-141	0480-03-20	C	0480-03-20 04:15:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE					L	FALSE	FALSE			
	-142	0479-03-21	C	0479-03-20 21:05:19	0479-03-20 12:08:16	-142	0479-03-21	C	0479-03-20 22:19:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-143	0478-03-21	C	0478-03-20 15:16:56	0478-03-20 12:08:09	-143	0478-03-21	C	0478-03-20 16:31:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-144	0477-03-20	L	0477-03-20 09:38:57	0477-03-20 12:08:04	-144	0477-03-20	L	0477-03-20 10:53:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE					C	FALSE	FALSE			
	-145	0476-03-20	C	0476-03-20 03:47:22	0476-03-20 12:07:59	-145	0476-03-20	C	0476-03-20 05:00:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE					L	FALSE	FALSE			
	-146	0475-03-21	C	0475-03-20 22:01:55	0475-03-20 12:08:14	-146	0475-03-21	C	0475-03-20 23:14:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-147	0474-03-21	C	0474-03-20 16:09:24	0474-03-20 12:08:11	-147	0474-03-21	C	0474-03-20 17:26:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-148	0473-03-20	L	0473-03-20 10:16:48	0473-03-20 12:08:04	-148	0473-03-20	L	0473-03-20 11:34:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE					C	FALSE	FALSE			
	-149	0472-03-20	C	0472-03-20 04:37:40	0472-03-20 12:07:58	-149	0472-03-20	C	0472-03-20 05:53:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE					L	FALSE	FALSE			
	-150	0471-03-21	C	0471-03-20 22:41:28	0471-03-20 12:08:16	-150	0471-03-20	C	0471-03-20 23:53:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-151	0470-03-21	C	0470-03-20 16:46:21	0470-03-20 12:08:11	-151	0470-03-21	C	0470-03-20 17:59:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-152	0469-03-20	L	0469-03-20 11:01:59	0469-03-20 12:08:04	-152	0469-03-21	C	0469-03-20 12:16:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE					C	FALSE	TRUE	0469-03-20 10:42:34	0469-03-20 12:07:43	0469-03-20
	-153	0468-03-20	C	0468-03-20 05:02:44	0468-03-20 12:08:01	-153	0468-03-20	L	0468-03-20 06:17:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE					L	FALSE	TRUE			
	-154	0467-03-21	C	0467-03-20 23:11:35	0467-03-20 12:08:16	-154	0467-03-21	C	0467-03-21 00:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-155	0466-03-21	C	0466-03-20 17:21:52	0466-03-20 12:08:11	-155	0466-03-21	C	0466-03-20 18:39:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-156	0465-03-20	L	0465-03-20 11:30:16	0465-03-20 12:08:06	-156	0465-03-21	C	0465-03-20 12:47:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE					C	FALSE	TRUE	0465-03-20 11:11:08	0465-03-20 12:07:45	0465-03-20
	-157	0464-03-20	C	0464-03-20 05:54:52	0464-03-20 12:07:59	-157	0464-03-20	L	0464-03-20 07:09:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE					L	FALSE	TRUE			
	-158	0463-03-21	C	0463-03-21 00:03:17	0463-03-21 12:07:54	-158	0463-03-21	C	0463-03-21 01:18:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-159	0462-03-21	C	0462-03-20 18:12:06	0462-03-20 12:08:11	-159	0462-03-21	C	0462-03-20 19:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-160	0461-03-20	C	0461-03-20 12:37:01	0461-03-20 12:08:04	-160	0461-03-21	C	0461-03-20 13:54:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-161	0460-03-20	L	0460-03-20 06:46:18	0460-03-20 12:08:01	-161	0460-03-20	L	0460-03-20 08:01:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE					L	TRUE	TRUE			
	-162	0459-03-21	C	0459-03-21 00:59:02	0459-03-21 12:07:54	-162	0459-03-21	C	0459-03-21 02:13:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-163	0458-03-20	C	0458-03-20 19:11:15	0458-03-20 12:08:11	-163	0458-03-21	C	0458-03-20 20:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-164	0457-03-21	C	0457-03-20 13:13:30	0457-03-20 12:08:08	-164	0457-03-21	C	0457-03-20 14:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE					C	TRUE	TRUE			
	-165	0456-03-20	L	0456-03-20 07:31:33	0456-03-20 12:08:01	-165	0456-03-20	L	0456-03-20 08:50:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE					L	TRUE	TRUE			

Nowruz date	Persian year (K)	Nowruz compared to sun transit by Gregorian calendar (K)	Sun transit referenced Leap or common (K)	Vernal Equinox (K)	Sun Transit noon time (K)	Persian year (t&d)	Nowruz compared to sun transit by Gregorian calendar (t&d)	Sun transit referenced Leap or common (t&d)	Vernal Equinox (t&d)	Sayyad L/C	Sayyad compare to kstars	Sayyad compare to timeanddate.com	Birashk L/C	Birashk compare to kstars	Birashk compare to timeanddate.com	Akrami L/C	Akrami compare to kstars	Akrami compare to timeanddate.com	Malekzadeh compare to kstars	Malekzadeh compare to timeanddate.com	Abdollahi compare to kstars	Abdollahi compare to timeanddate.com	Kaveh compare to kstars	Kaveh compare to timeanddate.com	Vernal Equinox (AT)	Sun Transit noon time (AT)	Nowruz compared to sun transit by Gregorian calendar (AT)
	-166	0455-03-21	C	0455-03-21 01:35:57	0455-03-21 12:07:56	-166	0455-03-21	C	0455-03-21 02:55:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-167	0454-03-21	C	0454-03-20 19:40:29	0454-03-20 12:08:14	-167	0454-03-21	C	0454-03-20 20:59:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-168	0453-03-21	C	0453-03-20 14:03:36	0453-03-20 12:08:06	-168	0453-03-21	C	0453-03-20 15:20:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-169	0452-03-20	L	0452-03-20 08:09:42	0452-03-20 12:08:01	-169	0452-03-20	L	0452-03-20 09:24:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-170	0451-03-21	C	0451-03-21 02:17:51	0451-03-21 12:07:56	-170	0451-03-21	C	0451-03-21 03:32:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-171	0450-03-21	C	0450-03-20 20:29:43	0450-03-20 12:08:13	-171	0450-03-21	C	0450-03-20 21:48:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-172	0449-03-21	C	0449-03-20 14:34:22	0449-03-20 12:08:08	-172	0449-03-21	C	0449-03-20 15:53:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-173	0448-03-20	L	0448-03-20 08:54:43	0448-03-20 12:08:01	-173	0448-03-20	L	0448-03-20 10:10:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-174	0447-03-21	C	0447-03-21 03:03:20	0447-03-21 12:07:56	-174	0447-03-21	C	0447-03-21 04:18:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-175	0446-03-21	C	0446-03-20 21:06:06	0446-03-20 12:08:14	-175	0446-03-21	C	0446-03-20 22:22:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-176	0445-03-21	C	0445-03-20 15:26:43	0445-03-20 12:08:08	-176	0445-03-21	C	0445-03-20 16:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-177	0444-03-20	L	0444-03-20 09:32:36	0444-03-20 12:08:04	-177	0444-03-20	L	0444-03-20 10:51:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-178	0443-03-21	C	0443-03-21 03:40:58	0443-03-21 12:07:59	-178	0443-03-21	C	0443-03-21 05:00:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-179	0442-03-21	C	0442-03-20 21:58:16	0442-03-20 12:08:14	-179	0442-03-21	C	0442-03-20 23:20:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-180	0441-03-21	C	0441-03-20 16:08:22	0441-03-20 12:08:09	-180	0441-03-21	C	0441-03-20 17:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-181	0440-03-20	L	0440-03-20 10:29:38	0440-03-20 12:08:03	-181	0440-03-20	L	0440-03-20 11:48:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-182	0439-03-21	C	0439-03-21 04:42:00	0439-03-21 12:07:58	-182	0439-03-21	C	0439-03-21 06:00:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-183	0438-03-21	C	0438-03-20 22:46:03	0438-03-20 12:08:16	-183	0438-03-21	C	0438-03-21 00:06:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-184	0437-03-21	C	0437-03-20 17:09:18	0437-03-20 12:08:09	-184	0437-03-21	C	0437-03-20 18:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-185	0436-03-20	L	0436-03-20 11:19:08	0436-03-20 12:08:03	-185	0436-03-21	C	0436-03-20 12:35:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE							0436-03-20 10:59:18	0436-03-20 12:07:42	0436-03-20
	-186	0435-03-21	C	0435-03-21 05:23:11	0435-03-21 12:07:59	-186	0435-03-21	C	0435-03-21 06:38:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-187	0434-03-21	C	0434-03-20 23:34:52	0434-03-20 12:08:14	-187	0434-03-21	C	0434-03-21 00:53:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-188	0433-03-21	C	0433-03-20 17:35:14	0433-03-20 12:08:11	-188	0433-03-21	C	0433-03-20 18:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-189	0432-03-20	L	0432-03-20 11:46:09	0432-03-20 12:08:04	-189	0432-03-21	C	0432-03-20 13:07:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE							0432-03-20 11:26:28	0432-03-20 12:07:44	0432-03-20
	-190	0431-03-21	C	0431-03-21 05:54:33	0431-03-21 12:07:59	-190	0431-03-21	C	0431-03-21 07:15:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-191	0430-03-21	C	0430-03-20 23:56:39	0430-03-20 12:08:18	-191	0430-03-21	C	0430-03-21 01:18:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-192	0429-03-21	C	0429-03-20 18:19:25	0429-03-20 12:08:09	-192	0429-03-21	C	0429-03-20 19:40:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-193	0428-03-21	C	0428-03-20 12:31:51	0428-03-20 12:08:04	-193	0428-03-21	C	0428-03-20 13:50:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-194	0427-03-21	L	0427-03-21 06:37:17	0427-03-21 12:08:01	-194	0427-03-21	L	0427-03-21 07:57:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE									
	-195	0426-03-21	C	0426-03-21 00:55:50	0426-03-21 12:07:54	-195	0426-03-21	C	0426-03-21 02:19:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-196	0425-03-21	C	0425-03-20 19:06:15	0425-03-20 12:08:11	-196	0425-03-21	C	0425-03-20 20:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-197	0424-03-21	C	0424-03-20 13:25:13	0424-03-20 12:08:04	-197	0424-03-21	C	0424-03-20 14:44:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-198	0423-03-21	L	0423-03-21 07:39:55	0423-03-21 12:07:59	-198	0423-03-21	L	0423-03-21 08:58:16	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE									
	-199	0422-03-21	C	0422-03-21 01:42:55	0422-03-21 12:07:56	-199	0422-03-21	C	0422-03-21 03:02:16	C	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE									
	-200	0421-03-21	C	0421-03-20 20:01:42	0421-03-20 12:08:11	-200	0421-03-21	C	0421-03-20 21:23:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-201	0420-03-21	C	0420-03-20 14:11:52	0420-03-20 12:08:06	-201	0420-03-21	C	0420-03-20 15:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-202	0419-03-21	L	0419-03-21 08:15:05	0419-03-21 12:08:01	-202	0419-03-21	L	0419-03-21 09:36:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-203	0418-03-21	C	0418-03-21 02:31:17	0418-03-21 12:07:56	-203	0418-03-21	C	0418-03-21 03:53:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-204	0417-03-21	C	0417-03-20 20:41:04	0417-03-20 12:08:13	-204	0417-03-21	C	0417-03-20 22:02:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-205	0416-03-21	C	0416-03-20 14:53:32	0416-03-20 12:08:06	-205	0416-03-21	C	0416-03-20 16:13:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-206	0415-03-21	L	0415-03-21 09:04:20	0415-03-21 12:08:01	-206	0415-03-21	L	0415-03-21 10:25:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-207	0414-03-21	C	0414-03-21 03:06:05	0414-03-21 12:07:56	-207	0414-03-21	C	0414-03-21 04:29:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-208	0413-03-21	C	0413-03-20 21:23:44	0413-03-20 12:08:11	-208	0413-03-21	C	0413-03-20 22:46:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-209	0412-03-21	C	0412-03-20 15:36:08	0412-03-20 12:08:06	-209	0412-03-21	C	0412-03-20 16:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-210	0411-03-21	L	0411-03-21 09:37:53	0411-03-21 12:08:01	-210	0411-03-21	L	0411-03-21 10:57:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-211	0410-03-21	C	0410-03-21 03:49:13	0410-03-21 12:07:56	-211	0410-03-21	C	0410-03-21 05:12:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-212	0409-03-21	C	0409-03-20 21:57:34	0409-03-20 12:08:14	-212	0409-03-21	C	0409-03-20 23:23:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-213	0408-03-21	C	0408-03-20 16:07:38	0408-03-20 12:08:09	-213	0408-03-21	C	0408-03-20 17:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-214	0407-03-21	L	0407-03-21 10:22:27	0407-03-21 12:08:03	-214	0407-03-21	L	0407-03-21 11:47:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-215	0406-03-21	C	0406-03-21 04:31:32	0406-03-21 12:07:58	-215	0406-03-21	C	0406-03-21 05:56:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-216	0405-03-21	C	0405-03-20 22:53:14	0405-03-20 12:08:14	-216	0405-03-21	C	0405-03-21 00:16:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-217	0404-03-21	C	0404-03-20 17:11:38	0404-03-20 12:08:08	-217	0404-03-21	C	0404-03-20 18:32:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-218	0403-03-21	L	0403-03-21 11:16:54	0403-03-21 12:08:04	-218	0403-03-22	C	0403-03-21 12:39:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE							0403-03-21 10:56:18	0403-03-21 12:07:42	0403-03-21
	-219	0402-03-21	C	0402-03-21 05:32:38	0402-03-21 12:07:58	-219	0402-03-21	C	0402-03-21 06:57:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-220	0401-03-21	C	0401-03-20 23:47:01	0401-03-20 12:08:14	-220	0401-03-21	C	0401-03-21 01:11:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-221	0400-03-21	C	0400-03-20 17:58:13	0400-03-20 12:08:08	-221	0400-03-21	C	0400-03-20 19:19:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-222	0399-03-22	C	0399-03-21 12:08:52	0399-03-21 12:08:03	-222	0399-03-22	C	0399-03-21 13:29:16	L	FALSE	FALSE	C	TRUE	TRUE	C	TRUE	TRUE							0399-03-21 11:48:06	0399-03-21 12:07:42	0399-03-21
	-223	0398-03-21	L	0398-03-21 06:10:38	0398-03-21 12:07:53	-223	0398-03-21	L	0398-03-21 07:34:16	C	FALSE	FALSE	L	TRUE	TRUE	L	TRUE	TRUE									
	-224	0397-03-21	C	0397-03-21 00:20:27	0397-03-21 12:07:53	-224	0397-03-21	C	0397-03-21 01:46:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-225	0396-03-21	C	0396-03-20 18:30:43	0396-03-20 12:08:09	-225	0396-03-21	C	0396-03-20 19:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-226	0395-03-22	C	0395-03-21 12:31:23	0395-03-21 12:08:06	-226	0395-03-22	C	0395-03-21 13:57:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-227	0394-03-21	L	0394-03-21 06:43:53	0394-03-21 12:07:59	-227	0394-03-21	L	0394-03-21 08:10:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE									
	-228	0393-03-21	C	0393-03-21 00:57:58	0393-03-21 12:07:54	-228	0393-03-21	C	0393-03-21 02:24:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-229	0392-03-21	C	0392-03-20 19:09:09	0392-03-20 12:08:09	-229	0392-03-21	C	0392-03-20 20:33:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-230	0391-03-22	C	0391-03-21 13:21:18	0391-03-21 12:08:04	-230	0391-03-22	C	0391-03-21 14:46:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-231	0390-03-21	L	0390-03-21 07:31:27	0390-03-21 12:07:59	-231	0390-03-21	L	0390-03-21 08:58:16	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE									
	-232	0389-03-21	C	0389-03-21 01:49:48	0389-03-21 12:07:53	-232	0389-03-21	C	0389-03-21 03:14:16	C	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE									
	-233	0388-03-21	C	0388-03-20 20:07:29	0388-03-20 12:08:09	-233	0388-03-21	C	0388-03-20 21:28:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-234	0387-03-22	C	0387-03-21 14:13:50	0387-03-21 12:08:04	-234	0387-03-22	C	0387-03-21 15:34:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-235	0386-03-21	L	0386-03-21 08:23:52	0386-03-21 12:07:59	-235	0386-03-21	L	0386-03-21 09:49:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-236	0385-03-21	C	0385-03-21 02:37:11	0385-03-21 12:07:54	-236	0385-03-21	C	0385-03-21 04:04:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-237	0384-03-21	C	0384-03-20 20:46:55	0384-03-20 12:08:11	-237	0384-03-21	C	0384-03-20 22:13:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-238	0383-03-22	C	0383-03-21 14:57:42	0383-03-21 12:08:06	-238	0383-03-22	C	0383-03-21 16:24:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-239	0382-03-21	L	0382-03-21 09:09:25	0382-03-21 12:08:01	-239	0382-03-21	L	0382-03-21 10:36:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-240	0381-03-21	C	0381-03-21 03:24:50	0381-03-21 12:07:54	-240	0381-03-21	C	0381-03-21 04:50:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-241	0380-03-21	C	0380-03-20 21:38:07	0380-03-20 12:08:11	-241	0380-03-21	C	0380-03-20 23:03:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-242	0379-03-22	C	0379-03-21 15:43:06	0379-03-21 12:08:06	-242	0379-03-22	C	0379-03-21 17:09:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									

calendar.ut.ac.ir	Kstars software					timeanddate.com					Sayyad			Behruz / Birashk			Akrami		Rezazadeh-malek		Abdollahi		Kaveh		Accurate times software		
Nowruz date	Persian year	Nowruz compared to sun transit by Gregorian calendar	Sun transit referenced Leap or common	Vernal Equinox	Sun Transit noon time	Persian year	Nowruz compared to sun transit by Gregorian calendar	Sun transit referenced Leap or common	Vernal Equinox		Sayyad compare to kstars	Sayyad compare to timeanddate.com		Birashk compare to kstars	Birashk compare to timeanddate.com		Akrami compare to kstars	Akrami compare to timeanddate.com	Malekzadeh compare to kstars	Malekzadeh compare to tieanddate.com	Abdollahi compare to kstars	Abdolahi compare to timeanddate.com	Kaveh compare to kstars	Kaveh compare to timeanddate.com	Vernal Equinox	Sun Transit noon time	Nowruz compared to sun transit by Gregorian calendar
	-243	0378-03-21	L	0378-03-21 09:50:38	0378-03-21 12:08:01	-243	0378-03-21		0378-03-21 11:20:16	L	TRUE	TRUE (C)		FALSE	FALSE (C)		FALSE	FALSE									
	-244	0377-03-21	C	0377-03-21 04:05:37	0377-03-21 12:07:54	-244	0377-03-21	C	0377-03-21 05:33:16	C	TRUE	TRUE (L)		FALSE	FALSE (L)		FALSE	FALSE									
	-245	0376-03-20	C	0376-03-20 22:14:42	0376-03-20 12:08:11	-245	0376-03-20	C	0376-03-20 23:39:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-246	0375-03-22	C	0375-03-21 16:20:13	0375-03-21 12:08:06	-246	0375-03-22	C	0375-03-21 17:45:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-247	0374-03-21	L	0374-03-21 10:27:36	0374-03-21 12:08:01	-247	0374-03-21	C	0374-03-21 11:55:16	L	TRUE	TRUE (L)		FALSE	FALSE (C)		FALSE	FALSE									
	-248	0373-03-21	C	0373-03-21 04:37:56	0373-03-21 12:07:56	-248	0373-03-21	C	0373-03-21 06:07:16	C	TRUE	TRUE (L)		FALSE	FALSE (L)		FALSE	FALSE									
	-249	0372-03-21	C	0372-03-20 22:50:16	0372-03-20 12:08:13	-249	0372-03-21	C	0372-03-21 00:17:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-250	0371-03-22	C	0371-03-21 16:59:32	0371-03-21 12:08:08	-250	0371-03-22	C	0371-03-21 18:27:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-251	0370-03-21	L	0370-03-21 11:11:54	0370-03-21 12:08:03	-251	0370-03-22	C	0370-03-21 12:40:16	L	TRUE	FALSE (C)		FALSE	TRUE (C)		FALSE	TRUE							0370-03-21 10:51:57	0370-03-21 12:07:42	0370-03-21
	-252	0369-03-21	C	0369-03-21 05:31:16	0369-03-21 12:07:56	-252	0369-03-21		0369-03-21 06:59:16	C	TRUE	FALSE (C)		FALSE	TRUE (L)		FALSE	TRUE									
	-253	0368-03-21	C	0368-03-20 23:45:45	0368-03-20 12:08:13	-253	0368-03-21	C	0368-03-21 01:13:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-254	0367-03-22	C	0367-03-21 17:54:59	0367-03-21 12:08:08	-254	0367-03-22	C	0367-03-21 19:24:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-255	0366-03-22	C	0366-03-21 12:10:00	0366-03-21 12:08:01	-255	0366-03-22	C	0366-03-21 13:40:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-256	0365-03-21	L	0365-03-21 06:26:56	0365-03-21 12:07:56	-256	0365-03-21	L	0365-03-21 07:55:16	L	TRUE	TRUE (L)		TRUE	TRUE (L)		TRUE	TRUE									
	-257	0364-03-21	C	0364-03-21 00:40:08	0364-03-21 12:07:51	-257	0364-03-21	C	0364-03-21 02:05:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-258	0363-03-22	C	0363-03-21 18:46:57	0363-03-21 12:08:08	-258	0363-03-22	C	0363-03-21 20:13:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-259	0362-03-22	C	0362-03-21 12:51:33	0362-03-21 12:08:04	-259	0362-03-22	C	0362-03-21 14:22:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-260	0361-03-21	L	0361-03-21 07:01:22	0361-03-21 12:07:58	-260	0361-03-21	L	0361-03-21 08:34:16	L	TRUE	TRUE (L)		TRUE	TRUE (L)		TRUE	TRUE									
	-261	0360-03-21	C	0360-03-21 01:11:14	0360-03-21 12:07:53	-261	0360-03-21	C	0360-03-21 02:42:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-262	0359-03-22	C	0359-03-21 19:15:06	0359-03-21 12:08:09	-262	0359-03-22	C	0359-03-21 20:46:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-263	0358-03-22	C	0358-03-21 13:27:44	0358-03-21 12:08:04	-263	0358-03-22	C	0358-03-21 14:58:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-264	0357-03-21	L	0357-03-21 07:43:20	0357-03-21 12:07:58	-264	0357-03-21	L	0357-03-21 09:12:16	L	TRUE	TRUE (L)		TRUE	TRUE (C)		FALSE	FALSE									
	-265	0356-03-21	C	0356-03-21 01:52:37	0356-03-21 12:07:51	-265	0356-03-21	C	0356-03-21 03:20:16	C	TRUE	TRUE (C)		TRUE	TRUE (L)		FALSE	FALSE									
	-266	0355-03-22	C	0355-03-21 20:02:52	0355-03-21 12:08:09	-266	0355-03-22	C	0355-03-21 21:31:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-267	0354-03-22	C	0354-03-21 14:12:08	0354-03-21 12:08:04	-267	0354-03-22	C	0354-03-21 15:43:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-268	0353-03-21	L	0353-03-21 08:27:48	0353-03-21 12:07:58	-268	0353-03-21	L	0353-03-21 09:57:16	L	TRUE	TRUE (L)		FALSE	FALSE (L)		FALSE	FALSE									
	-269	0352-03-21	C	0352-03-21 02:43:23	0352-03-21 12:07:51	-269	0352-03-21	C	0352-03-21 04:10:16	C	TRUE	TRUE (C)		FALSE	FALSE (L)		FALSE	FALSE									
	-270	0351-03-22	C	0351-03-21 20:46:42	0351-03-21 12:08:09	-270	0351-03-22	C	0351-03-21 22:16:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-271	0350-03-22	C	0350-03-21 14:57:46	0350-03-21 12:08:04	-271	0350-03-22	C	0350-03-21 16:31:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-272	0349-03-21	L	0349-03-21 09:13:38	0349-03-21 12:07:59	-272	0349-03-21	L	0349-03-21 10:47:16	L	TRUE	TRUE (C)		FALSE	FALSE (C)		FALSE	FALSE									
	-273	0348-03-21	C	0348-03-21 03:22:31	0348-03-21 12:07:54	-273	0348-03-21	C	0348-03-21 04:55:16	C	TRUE	TRUE (L)		FALSE	FALSE (L)		FALSE	FALSE									
	-274	0347-03-22	C	0347-03-21 21:37:04	0347-03-21 12:08:11	-274	0347-03-22	C	0347-03-21 23:09:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-275	0346-03-22	C	0346-03-21 15:48:50	0346-03-21 12:08:06	-275	0346-03-22	C	0346-03-21 17:22:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-276	0345-03-21	L	0345-03-21 10:04:01	0345-03-21 12:07:59	-276	0345-03-21	L	0345-03-21 11:36:16	L	TRUE	TRUE (C)		FALSE	FALSE (C)		FALSE	FALSE									
	-277	0344-03-21	C	0344-03-21 04:19:46	0344-03-21 12:07:54	-277	0344-03-21	C	0344-03-21 05:51:16	C	TRUE	TRUE (L)		FALSE	FALSE (L)		FALSE	FALSE									
	-278	0343-03-22	C	0343-03-21 22:22:32	0343-03-21 12:08:11	-278	0343-03-22	C	0343-03-21 23:56:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-279	0342-03-22	C	0342-03-21 16:34:36	0342-03-21 12:08:06	-279	0342-03-22	C	0342-03-21 18:09:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-280	0341-03-21	L	0341-03-21 10:51:51	0341-03-21 12:07:59	-280	0341-03-22	C	0341-03-21 12:23:16	L	TRUE	FALSE (C)		FALSE	TRUE (C)		FALSE	TRUE							0341-03-21 10:31:05	0341-03-21 12:07:39	0341-03-21
	-281	0340-03-22	C	0340-03-21 04:56:46	0340-03-21 12:07:54	-281	0340-03-21	C	0340-03-21 06:25:16	L	TRUE	FALSE (C)		FALSE	TRUE (L)		FALSE	TRUE									
	-282	0339-03-22	C	0339-03-21 23:03:50	0339-03-21 12:08:11	-282	0339-03-22	C	0339-03-22 00:33:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-283	0338-03-22	C	0338-03-21 17:08:37	0338-03-21 12:08:06	-283	0338-03-22	C	0338-03-21 18:42:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-284	0337-03-21	L	0337-03-21 11:15:40	0337-03-21 12:08:01	-284	0337-03-22	C	0337-03-21 12:50:16	L	TRUE	FALSE (C)		FALSE	TRUE (C)		FALSE	TRUE							0337-03-21 10:55:53	0337-03-21 12:07:41	0337-03-21
	-285	0336-03-21	C	0336-03-21 05:30:26	0336-03-21 12:07:56	-285	0336-03-21	C	0336-03-21 07:04:16	L	TRUE	FALSE (L)		FALSE	TRUE (L)		FALSE	TRUE									
	-286	0335-03-22	C	0335-03-21 23:34:44	0335-03-21 12:08:13	-286	0335-03-22	C	0335-03-22 01:09:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-287	0334-03-22	C	0334-03-21 17:48:39	0334-03-21 12:08:06	-287	0334-03-22	C	0334-03-21 19:24:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-288	0333-03-21	C	0333-03-21 12:10:52	0333-03-21 12:08:01	-288	0333-03-21	C	0333-03-21 13:45:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-289	0332-03-21	L	0332-03-21 06:19:28	0332-03-21 12:07:56	-289	0332-03-21	L	0332-03-21 07:53:16	L	TRUE	TRUE (L)		TRUE	TRUE (L)		TRUE	TRUE									
	-290	0331-03-22	C	0331-03-22 00:33:11	0331-03-22 12:07:51	-290	0331-03-22	C	0331-03-22 02:08:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-291	0330-03-22	C	0330-03-21 18:49:14	0330-03-21 12:08:06	-291	0330-03-22	C	0330-03-21 20:25:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-292	0329-03-22	C	0329-03-21 13:02:03	0329-03-21 12:08:01	-292	0329-03-22	C	0329-03-21 14:36:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-293	0328-03-21	L	0328-03-21 07:20:49	0328-03-21 12:07:54	-293	0328-03-21	L	0328-03-21 08:52:16	L	TRUE	TRUE (L)		TRUE	TRUE (L)		TRUE	TRUE									
	-294	0327-03-22	C	0327-03-22 01:22:57	0327-03-22 12:07:51	-294	0327-03-22	C	0327-03-22 02:56:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-295	0326-03-22	C	0326-03-21 19:29:19	0326-03-21 12:08:09	-295	0326-03-22	C	0326-03-21 21:06:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-296	0325-03-22	C	0325-03-21 13:47:45	0325-03-21 12:08:01	-296	0325-03-22	C	0325-03-21 15:24:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-297	0324-03-21	L	0324-03-21 07:50:37	0324-03-21 12:07:58	-297	0324-03-21	L	0324-03-21 09:25:16	L	TRUE	TRUE (C)		FALSE	FALSE (C)		FALSE	FALSE									
	-298	0323-03-22	C	0323-03-22 02:00:51	0323-03-22 12:07:51	-298	0323-03-22	C	0323-03-22 03:35:16	C	TRUE	TRUE (L)		FALSE	FALSE (L)		FALSE	FALSE									
	-299	0322-03-22	C	0322-03-21 20:14:10	0322-03-21 12:08:09	-299	0322-03-22	C	0322-03-21 21:50:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-300	0321-03-22	C	0321-03-21 14:21:04	0321-03-21 12:08:03	-300	0321-03-22	C	0321-03-21 15:56:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-301	0320-03-21	L	0320-03-21 08:36:34	0320-03-21 12:07:56	-301	0320-03-21	L	0320-03-21 10:11:16	L	TRUE	TRUE (L)		FALSE	FALSE (L)		FALSE	FALSE									
	-302	0319-03-22	C	0319-03-22 02:39:32	0319-03-22 12:07:53	-302	0319-03-22	C	0319-03-22 04:17:16	C	TRUE	TRUE (C)		FALSE	FALSE (L)		FALSE	FALSE									
	-303	0318-03-22	C	0318-03-21 20:47:39	0318-03-21 12:08:09	-303	0318-03-22	C	0318-03-21 22:26:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-304	0317-03-22	C	0317-03-21 15:10:58	0317-03-21 12:08:01	-304	0317-03-22	C	0317-03-21 16:47:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-305	0316-03-21	L	0316-03-21 09:14:34	0316-03-21 12:07:58	-305	0316-03-21	L	0316-03-21 10:49:16	L	TRUE	TRUE (C)		FALSE	FALSE (C)		FALSE	FALSE									
	-306	0315-03-22	C	0315-03-22 03:22:49	0315-03-22 12:07:53	-306	0315-03-22	C	0315-03-22 04:59:16	C	TRUE	TRUE (L)		FALSE	FALSE (L)		FALSE	FALSE									
	-307	0314-03-22	C	0314-03-21 21:36:10	0314-03-21 12:08:09	-307	0314-03-22	C	0314-03-21 23:17:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-308	0313-03-22	C	0313-03-21 15:43:51	0313-03-21 12:08:04	-308	0313-03-22	C	0313-03-21 17:24:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-309	0312-03-21	L	0312-03-21 10:03:13	0312-03-21 12:07:59	-309	0312-03-21	L	0312-03-21 11:41:16	L	TRUE	TRUE (C)		FALSE	FALSE (C)		FALSE	FALSE									
	-310	0311-03-22	C	0311-03-22 04:13:08	0311-03-22 12:07:54	-310	0311-03-22	C	0311-03-22 05:52:16	C	TRUE	TRUE (L)		FALSE	FALSE (L)		FALSE	FALSE									
	-311	0310-03-22	C	0310-03-21 22:24:32	0310-03-21 12:08:11	-311	0310-03-22	C	0310-03-22 00:03:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-312	0309-03-22	C	0309-03-21 16:50:23	0309-03-21 12:08:04	-312	0309-03-22	C	0309-03-21 18:28:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-313	0308-03-21	L	0308-03-21 10:56:39	0308-03-21 12:07:59	-313	0308-03-22	C	0308-03-21 12:33:16	L	TRUE	FALSE (C)		FALSE	TRUE (C)		FALSE	TRUE							0308-03-21 10:35:54	0308-03-21 12:07:39	0308-03-21
	-314	0307-03-22	C	0307-03-22 05:05:30	0307-03-22 12:07:54	-314	0307-03-22	C	0307-03-22 06:43:16	L	TRUE	FALSE (C)		FALSE	TRUE (L)		FALSE	TRUE									
	-315	0306-03-22	C	0306-03-21 23:22:34	0306-03-21 12:08:09	-315	0306-03-22	C	0306-03-22 01:01:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-316	0305-03-22	C	0305-03-21 17:28:29	0305-03-21 12:08:04	-316	0305-03-22	C	0305-03-21 19:05:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									
	-317	0304-03-21	L	0304-03-21 11:40:49	0304-03-21 12:07:59	-317	0304-03-22	C	0304-03-21 13:16:16	L	TRUE	FALSE (C)		FALSE	TRUE (C)		FALSE	TRUE							0304-03-21 11:20:16	0304-03-21 12:07:39	0304-03-21
	-318	0303-03-22	C	0303-03-22 05:42:33	0303-03-22 12:07:54	-318	0303-03-22	C	0303-03-22 07:21:16	L	TRUE	FALSE (L)		FALSE	TRUE (L)		FALSE	TRUE									
	-319	0302-03-22	C	0302-03-21 23:42:23	0302-03-21 12:08:13	-319	0302-03-22	C	0302-03-22 01:25:16	C	TRUE	TRUE (C)		TRUE	TRUE (C)		TRUE	TRUE									

Table comparing Nowruz / Vernal Equinox calculations across multiple software and authorities (Persian years −320 to −396).

Note: The sheet also contains three further comparison groups — **Rezazadeh-malek** (Malekzadeh compare to kstars / compare to tieanddate.com), **Abdollahi** (Abdollahi compare to kstars / Abdolahi compare to timeanddate.com) and **Kaveh** (Kaveh compare to kstars / compare to timeanddate.com) — all of which are empty for this page range and are omitted below.

Nowruz date	Persian year	Nowruz cmp. sun transit by Greg. cal. (Kstars)	L/C	Vernal Equinox (Kstars)	Sun Transit noon time (Kstars)	Persian year	Nowruz cmp. sun transit by Greg. cal. (t&d)	L/C	Vernal Equinox (timeanddate.com)	L/C	Sayyad vs kstars	Sayyad vs t&d	L/C	Birashk vs kstars	Birashk vs t&d	L/C	Akrami vs kstars	Akrami vs t&d	Vernal Equinox (Accurate)	Sun Transit noon time (Accurate)	Nowruz cmp. (Accurate)
	-320	0301-03-22	C	0301-03-21 18:01:33	0301-03-21 12:08:06	-320	0301-03-22	C	0301-03-21 19:43:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-321	0300-03-21	L	0300-03-21 12:06:24	0300-03-21 12:08:01	-321	0300-03-22	C	0300-03-21 13:46:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE	0300-03-21 11:46:29	0300-03-21 12:07:41	0300-03-21
	-322	0299-03-21	C	0299-03-21 06:13:04	0299-03-21 12:07:56	-322	0299-03-21	L	0299-03-21 07:53:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE			
	-323	0298-03-21	C	0298-03-21 00:34:19	0298-03-21 12:07:49	-323	0298-03-21	C	0298-03-21 02:15:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-324	0297-03-21	C	0297-03-20 18:42:35	0297-03-20 12:08:06	-324	0297-03-21	C	0297-03-20 20:23:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-325	0296-03-21	C	0296-03-20 12:59:08	0296-03-20 12:07:59	-325	0296-03-21	C	0296-03-20 14:39:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-326	0295-03-21	L	0295-03-21 07:11:28	0295-03-21 12:07:54	-326	0295-03-21	L	0295-03-21 08:53:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	-327	0294-03-21	C	0294-03-21 01:19:57	0294-03-21 12:07:49	-327	0294-03-21	C	0294-03-21 03:02:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-328	0293-03-21	C	0293-03-20 19:47:04	0293-03-20 12:08:04	-328	0293-03-21	C	0293-03-20 21:25:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-329	0292-03-21	C	0292-03-20 13:54:42	0292-03-20 12:08:01	-329	0292-03-21	C	0292-03-20 15:31:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-330	0291-03-21	L	0291-03-21 07:57:45	0291-03-21 12:07:56	-330	0291-03-21	L	0291-03-21 09:37:16	L	TRUE	TRUE		FALSE	FALSE		FALSE	FALSE			
	-331	0290-03-21	C	0290-03-21 02:15:15	0290-03-21 12:07:49	-331	0290-03-21	C	0290-03-21 03:58:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE			
	-332	0289-03-21	C	0289-03-20 20:20:18	0289-03-20 12:08:00	-332	0289-03-21	C	0289-03-20 22:03:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-333	0288-03-21	C	0288-03-20 14:32:34	0288-03-20 12:08:03	-333	0288-03-21	C	0288-03-20 16:14:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-334	0287-03-21	L	0287-03-21 08:43:26	0287-03-21 12:07:56	-334	0287-03-21	L	0287-03-21 10:27:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE			
	-335	0286-03-21	C	0286-03-21 02:47:10	0286-03-21 12:07:53	-335	0286-03-21	C	0286-03-21 04:32:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE			
	-336	0285-03-21	C	0285-03-20 21:08:53	0285-03-20 12:08:06	-336	0285-03-21	C	0285-03-20 22:52:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-337	0284-03-21	C	0284-03-20 15:14:47	0284-03-20 12:08:03	-337	0284-03-21	C	0284-03-20 16:58:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-338	0283-03-21	L	0283-03-21 09:17:24	0283-03-21 12:07:58	-338	0283-03-21	L	0283-03-21 11:01:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE			
	-339	0282-03-21	C	0282-03-21 03:37:22	0282-03-21 12:07:51	-339	0282-03-21	C	0282-03-21 05:21:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE			
	-340	0281-03-21	C	0281-03-20 21:45:01	0281-03-20 12:08:08	-340	0281-03-21	C	0281-03-20 23:26:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-341	0280-03-21	C	0280-03-20 15:53:42	0280-03-20 12:08:03	-341	0280-03-21	C	0280-03-20 17:34:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-342	0279-03-21	L	0279-03-21 10:02:35	0279-03-21 12:07:58	-342	0279-03-21	L	0279-03-21 11:47:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE			
	-343	0278-03-21	C	0278-03-21 04:05:20	0278-03-21 12:07:54	-343	0278-03-21	C	0278-03-21 05:52:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE			
	-344	0277-03-21	C	0277-03-20 22:27:12	0277-03-20 12:08:09	-344	0277-03-21	C	0277-03-21 00:13:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-345	0276-03-21	C	0276-03-20 16:40:25	0276-03-20 12:08:04	-345	0276-03-21	C	0276-03-20 18:23:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-346	0275-03-21	L	0275-03-21 10:47:06	0275-03-21 12:07:59	-346	0275-03-22	C	0275-03-21 12:30:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE	0275-03-21 10:27:31	0275-03-21 12:07:39	0275-03-21
	-347	0274-03-21	C	0274-03-21 05:11:40	0274-03-21 12:07:51	-347	0274-03-21	L	0274-03-21 06:55:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE			
	-348	0273-03-21	C	0273-03-20 23:23:40	0273-03-20 12:08:09	-348	0273-03-21	C	0273-03-21 01:07:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-349	0272-03-21	C	0272-03-20 17:33:48	0272-03-20 12:08:04	-349	0272-03-21	C	0272-03-20 19:17:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-350	0271-03-21	L	0271-03-21 11:47:55	0271-03-21 12:07:58	-350	0271-03-22	C	0271-03-21 13:34:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE	0271-03-21 11:27:45	0271-03-21 12:07:39	0273-03-21
	-351	0270-03-21	C	0270-03-21 05:54:09	0270-03-21 12:07:54	-351	0270-03-21	L	0270-03-21 07:40:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE			
	-352	0269-03-21	C	0269-03-21 00:12:52	0269-03-21 12:07:46	-352	0269-03-21	C	0269-03-21 01:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-353	0268-03-21	C	0268-03-20 18:21:12	0268-03-20 12:08:04	-353	0268-03-21	C	0268-03-20 20:04:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-354	0267-03-22	C	0267-03-21 12:17:02	0267-03-21 12:08:01	-354	0267-03-22	C	0267-03-21 14:03:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-355	0266-03-21	L	0266-03-21 06:32:38	0266-03-21 12:07:54	-355	0266-03-21	L	0266-03-21 08:21:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE			
	-356	0265-03-21	C	0265-03-21 00:40:13	0265-03-21 12:07:49	-356	0265-03-21	C	0265-03-21 02:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-357	0264-03-21	C	0264-03-20 18:46:17	0264-03-20 12:08:06	-357	0264-03-21	C	0264-03-20 20:31:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-358	0263-03-22	C	0263-03-21 13:00:15	0263-03-21 12:07:59	-358	0263-03-21	C	0263-03-21 14:47:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-359	0262-03-21	L	0262-03-21 07:06:43	0262-03-21 12:07:54	-359	0262-03-21	L	0262-03-21 08:54:16	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE			
	-360	0261-03-21	C	0261-03-21 01:25:42	0261-03-21 12:07:48	-360	0261-03-21	C	0261-03-21 03:12:16	C	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE			
	-361	0260-03-21	C	0260-03-20 19:39:08	0260-03-20 12:08:04	-361	0260-03-21	C	0260-03-20 21:25:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-362	0259-03-22	C	0259-03-21 13:43:16	0259-03-21 12:08:01	-362	0259-03-21	C	0259-03-21 15:30:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-363	0258-03-21	L	0258-03-21 08:06:02	0258-03-21 12:07:54	-363	0258-03-21	L	0258-03-21 09:52:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE			
	-364	0257-03-21	C	0257-03-21 02:20:22	0257-03-21 12:07:48	-364	0257-03-21	C	0257-03-21 04:04:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE			
	-365	0256-03-21	C	0256-03-20 20:25:48	0256-03-20 12:08:06	-365	0256-03-21	C	0256-03-20 22:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-366	0255-03-22	C	0255-03-21 14:37:14	0255-03-21 12:08:01	-366	0255-03-22	C	0255-03-21 16:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-367	0254-03-21	L	0254-03-21 08:43:00	0254-03-21 12:07:56	-367	0254-03-21	L	0254-03-21 10:36:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE			
	-368	0253-03-21	C	0253-03-21 03:00:07	0253-03-21 12:07:51	-368	0253-03-21	C	0253-03-21 04:51:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE			
	-369	0252-03-21	C	0252-03-20 21:14:17	0252-03-20 12:08:06	-369	0252-03-21	C	0252-03-20 23:03:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-370	0251-03-22	C	0251-03-21 15:18:54	0251-03-21 12:08:03	-370	0251-03-22	C	0251-03-21 17:07:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-371	0250-03-21	L	0250-03-21 09:37:38	0250-03-21 12:07:56	-371	0250-03-21	L	0250-03-21 11:27:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE			
	-372	0249-03-21	C	0249-03-21 03:51:04	0249-03-21 12:07:49	-372	0249-03-21	C	0249-03-21 05:39:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE			
	-373	0248-03-21	C	0248-03-20 21:54:50	0248-03-20 12:08:08	-373	0248-03-21	C	0248-03-20 23:42:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-374	0247-03-22	C	0247-03-21 16:06:17	0247-03-21 12:08:01	-374	0247-03-22	C	0247-03-21 17:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-375	0246-03-21	L	0246-03-21 10:14:57	0246-03-21 12:07:56	-375	0246-03-21	L	0246-03-21 12:04:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE			
	-376	0245-03-21	C	0245-03-21 04:27:23	0245-03-21 12:07:49	-376	0245-03-21	C	0245-03-21 06:13:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE			
	-377	0244-03-21	C	0244-03-20 22:36:41	0244-03-20 12:08:06	-377	0244-03-21	C	0244-03-21 00:23:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-378	0243-03-22	C	0243-03-21 16:35:45	0243-03-21 12:08:03	-378	0243-03-21	C	0243-03-21 18:25:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-379	0242-03-21	L	0242-03-21 10:50:02	0242-03-21 12:07:56	-379	0242-03-22	C	0242-03-21 12:42:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE	0242-03-21 10:31:04	0242-03-21 12:07:38	0242-03-21
	-380	0241-03-21	C	0241-03-21 05:05:42	0241-03-21 12:07:51	-380	0241-03-21	L	0241-03-21 06:56:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE			
	-381	0240-03-21	C	0240-03-20 23:13:00	0240-03-20 12:08:09	-381	0240-03-21	C	0240-03-21 01:02:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-382	0239-03-22	C	0239-03-21 17:28:06	0239-03-21 12:08:03	-382	0239-03-21	C	0239-03-21 19:20:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-383	0238-03-21	L	0238-03-21 11:42:47	0238-03-21 12:07:58	-383	0238-03-22	C	0238-03-21 13:35:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE	0238-03-21 11:23:14	0238-03-21 12:07:38	0238-03-21
	-384	0237-03-21	C	0237-03-21 05:58:32	0237-03-21 12:07:51	-384	0237-03-21	L	0237-03-21 07:50:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE			
	-385	0236-03-21	C	0236-03-21 00:14:27	0236-03-21 12:07:46	-385	0236-03-21	C	0236-03-21 02:05:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-386	0235-03-22	C	0235-03-21 18:21:38	0235-03-21 12:08:04	-386	0235-03-22	C	0235-03-21 20:13:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-387	0234-03-22	C	0234-03-21 12:39:50	0234-03-21 12:07:56	-387	0234-03-22	C	0234-03-21 14:30:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-388	0233-03-21	L	0233-03-21 06:55:30	0233-03-21 12:07:51	-388	0233-03-21	L	0233-03-21 08:43:16	L	TRUE	TRUE	L	TRUE	TRUE	L	FALSE	FALSE			
	-389	0232-03-21	C	0232-03-21 00:57:03	0232-03-21 12:07:46	-389	0232-03-21	C	0232-03-21 02:45:16	C	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE			
	-390	0231-03-22	C	0231-03-21 19:02:55	0231-03-21 12:08:04	-390	0231-03-22	C	0231-03-21 20:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-391	0230-03-22	C	0230-03-21 13:11:13	0230-03-21 12:07:59	-391	0230-03-22	C	0230-03-21 15:07:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-392	0229-03-21	L	0229-03-21 07:22:01	0229-03-21 12:07:54	-392	0229-03-21	L	0229-03-21 09:14:16	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE			
	-393	0228-03-21	C	0228-03-21 01:32:59	0228-03-21 12:07:48	-393	0228-03-21	C	0228-03-21 03:24:16	C	TRUE	TRUE	C	TRUE	TRUE	L	FALSE	FALSE			
	-394	0227-03-22	C	0227-03-21 19:38:49	0227-03-21 12:08:04	-394	0227-03-22	C	0227-03-21 21:31:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-395	0226-03-22	C	0226-03-21 13:52:45	0226-03-21 12:07:59	-395	0226-03-22	C	0226-03-21 15:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE			
	-396	0225-03-21	L	0225-03-21 08:07:48	0225-03-21 12:07:53	-396	0225-03-21	L	0225-03-21 09:59:16	L	TRUE	TRUE		FALSE	FALSE	C	FALSE	FALSE			

Nowruz date	Persian year	Nowruz cmp sun transit (Greg)	L/C	Vernal Equinox (Kstars)	Sun Transit noon time (Kstars)	Persian year	Nowruz cmp sun transit (Greg)	L/C	Vernal Equinox (t&d)	S L/C	Sayyad vs kstars	Sayyad vs t&d	B L/C	Birashk vs kstars	Birashk vs t&d	A L/C	Akrami vs kstars	Akrami vs t&d	Malek vs kstars	Malek vs t&d	Abdollahi vs kstars	Abdollahi vs t&d	Kaveh vs kstars	Kaveh vs t&d	Accurate Vernal Equinox	Accurate Sun Transit noon	Accurate Nowruz cmp
	-397	0224-03-21	C	0224-03-21 02:13:29	0224-03-21 12:07:48	-397	0224-03-21	C	0224-03-21 04:06:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-398	0223-03-22	C	0223-03-21 20:24:05	0223-03-21 12:08:04	-398	0223-03-22	C	0223-03-21 22:19:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-399	0222-03-22	C	0222-03-21 14:39:36	0222-03-21 12:07:59	-399	0222-03-22	C	0222-03-21 16:34:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-400	0221-03-21	L	0221-03-21 08:53:34	0221-03-21 12:07:54	-400	0221-03-21	L	0221-03-21 10:45:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-401	0220-03-21	C	0220-03-21 03:02:43	0220-03-21 12:07:49	-401	0220-03-21	C	0220-03-21 04:56:16	L	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-402	0219-03-22	C	0219-03-21 21:10:12	0219-03-21 12:08:06	-402	0219-03-22	C	0219-03-21 23:06:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-403	0218-03-22	C	0218-03-21 15:24:18	0218-03-21 12:08:01	-403	0218-03-22	C	0218-03-21 17:21:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-404	0217-03-21	L	0217-03-21 09:42:29	0217-03-21 12:07:54	-404	0217-03-21	L	0217-03-21 11:36:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-405	0216-03-21	C	0216-03-21 03:52:51	0216-03-21 12:07:49	-405	0216-03-21	C	0216-03-21 05:45:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-406	0215-03-22	C	0215-03-21 22:02:58	0215-03-21 12:08:06	-406	0215-03-22	C	0215-03-21 23:58:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-407	0214-03-22	C	0214-03-21 16:19:19	0214-03-21 12:07:59	-407	0214-03-22	C	0214-03-21 18:14:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-408	0213-03-21	L	0213-03-21 10:31:57	0213-03-21 12:07:54	-408	0213-03-22	C	0213-03-21 12:25:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE							0213-03-21 10:12:49	0213-03-21 12:07:35	0213-03-21
	-409	0212-03-22	C	0212-03-21 04:40:08	0212-03-21 12:07:49	-409	0212-03-21	L	0212-03-21 06:34:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE									
	-410	0211-03-22	C	0211-03-21 22:49:03	0211-03-21 12:08:06	-410	0211-03-22	C	0211-03-22 00:43:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-411	0210-03-22	C	0210-03-21 17:00:32	0210-03-21 12:08:01	-411	0210-03-22	C	0210-03-21 18:53:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-412	0209-03-21	L	0209-03-21 11:11:24	0209-03-21 12:07:54	-412	0209-03-22	C	0209-03-21 13:02:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE							0209-03-21 10:52:31	0209-03-21 12:07:35	0209-03-21
	-413	0208-03-22	C	0208-03-21 05:13:47	0208-03-21 12:07:49	-413	0208-03-21	L	0208-03-21 07:07:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE									
	-414	0207-03-22	C	0207-03-21 23:14:41	0207-03-21 12:08:08	-414	0207-03-22	C	0207-03-22 01:14:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-415	0206-03-22	C	0206-03-21 17:27:37	0206-03-21 12:08:01	-415	0206-03-22	C	0206-03-21 19:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-416	0205-03-21	L	0205-03-21 11:41:21	0205-03-21 12:07:56	-416	0205-03-22	C	0205-03-21 13:39:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE							0205-03-21 11:22:39	0205-03-21 12:07:37	0205-03-21
	-417	0204-03-21	C	0204-03-21 05:51:44	0204-03-21 12:07:51	-417	0204-03-21	L	0204-03-21 07:48:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE									
	-418	0203-03-22	C	0203-03-22 00:05:38	0203-03-22 12:07:46	-418	0203-03-22	C	0203-03-22 02:03:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-419	0202-03-22	C	0202-03-21 18:22:43	0202-03-21 12:08:01	-419	0202-03-22	C	0202-03-21 20:19:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-420	0201-03-22	C	0201-03-21 12:39:09	0201-03-21 12:07:56	-420	0201-03-21	C	0201-03-21 14:35:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-421	0200-03-21	L	0200-03-21 06:51:47	0200-03-21 12:07:51	-421	0200-03-21	L	0200-03-21 08:47:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE									
	-422	0199-03-21	C	0199-03-21 01:01:31	0199-03-21 12:07:46	-422	0199-03-21	C	0199-03-21 02:58:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-423	0198-03-21	C	0198-03-20 19:18:41	0198-03-20 12:08:01	-423	0198-03-21	C	0198-03-20 21:15:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-424	0197-03-21	C	0197-03-20 13:33:23	0197-03-20 12:07:56	-424	0197-03-21	C	0197-03-20 15:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-425	0196-03-20	L	0196-03-20 07:35:57	0196-03-20 12:07:51	-425	0196-03-20	L	0196-03-20 09:32:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-426	0195-03-21	C	0195-03-21 01:43:47	0195-03-21 12:07:46	-426	0195-03-21	C	0195-03-21 03:43:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-427	0194-03-21	C	0194-03-20 19:55:44	0194-03-20 12:08:04	-427	0194-03-21	C	0194-03-20 21:55:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-428	0193-03-21	C	0193-03-20 14:06:05	0193-03-20 12:07:58	-428	0193-03-21	C	0193-03-20 16:03:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-429	0192-03-20	L	0192-03-20 08:15:55	0192-03-20 12:07:53	-429	0192-03-20	L	0192-03-20 10:13:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-430	0191-03-21	C	0191-03-21 02:20:42	0191-03-21 12:07:48	-430	0191-03-21	C	0191-03-21 04:20:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-431	0190-03-21	C	0190-03-20 20:32:56	0190-03-20 12:08:04	-431	0190-03-21	C	0190-03-20 22:34:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-432	0189-03-21	C	0189-03-20 14:48:27	0189-03-20 12:07:58	-432	0189-03-21	C	0189-03-20 16:48:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-433	0188-03-20	L	0188-03-20 08:52:09	0188-03-20 12:07:53	-433	0188-03-20	L	0188-03-20 10:52:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-434	0187-03-21	C	0187-03-21 03:05:48	0187-03-21 12:07:46	-434	0187-03-21	C	0187-03-21 05:04:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-435	0186-03-21	C	0186-03-20 21:22:26	0186-03-20 12:08:03	-435	0186-03-21	C	0186-03-20 23:19:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-436	0185-03-21	C	0185-03-20 15:31:49	0185-03-20 12:07:58	-436	0185-03-21	C	0185-03-20 17:27:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-437	0184-03-20	L	0184-03-20 09:41:59	0184-03-20 12:07:53	-437	0184-03-20	L	0184-03-20 11:39:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-438	0183-03-21	C	0183-03-21 03:46:44	0183-03-21 12:07:49	-438	0183-03-21	C	0183-03-21 05:49:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-439	0182-03-21	C	0182-03-21 22:01:29	0182-03-21 12:08:04	-439	0182-03-21	C	0182-03-21 00:04:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-440	0181-03-21	C	0181-03-20 16:22:24	0181-03-20 12:07:59	-440	0181-03-21	C	0181-03-20 18:21:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-441	0180-03-20	L	0180-03-20 10:29:32	0180-03-20 12:07:54	-441	0180-03-21	C	0180-03-20 12:28:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE							0180-03-20 10:11:09	0180-03-20 12:07:36	0180-03-20
	-442	0179-03-21	C	0179-03-21 04:44:35	0179-03-21 12:07:48	-442	0179-03-21	L	0179-03-21 06:44:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE									
	-443	0178-03-21	C	0178-03-20 23:03:12	0178-03-20 12:08:04	-443	0178-03-21	C	0178-03-21 01:03:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-444	0177-03-21	C	0177-03-20 17:11:52	0177-03-20 12:07:59	-444	0177-03-21	C	0177-03-20 19:11:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-445	0176-03-20	L	0176-03-20 11:23:59	0176-03-20 12:07:54	-445	0176-03-21	C	0176-03-20 13:23:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE							0176-03-20 11:05:50	0176-03-20 12:07:35	0172-03-20
	-446	0175-03-21	C	0175-03-21 05:29:48	0175-03-21 12:07:49	-446	0175-03-21	L	0175-03-21 07:31:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE									
	-447	0174-03-21	C	0174-03-20 23:39:37	0174-03-20 12:08:04	-447	0174-03-21	C	0174-03-21 01:40:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-448	0173-03-21	C	0173-03-20 17:53:06	0173-03-20 12:07:59	-448	0173-03-21	C	0173-03-20 19:53:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-449	0172-03-20	L	0172-03-20 11:50:28	0172-03-20 12:07:56	-449	0172-03-21	C	0172-03-20 13:52:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE							0172-03-20 11:33:01	0172-03-20 12:07:37	0172-03-20
	-450	0171-03-21	C	0171-03-21 05:56:39	0171-03-21 12:07:49	-450	0171-03-21	L	0171-03-21 08:01:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE									
	-451	0170-03-21	C	0170-03-21 00:13:56	0170-03-21 12:07:44	-451	0170-03-21	C	0170-03-21 02:17:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-452	0169-03-21	C	0169-03-20 18:21:40	0169-03-20 12:08:01	-452	0169-03-21	C	0169-03-20 20:22:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-453	0168-03-21	C	0168-03-20 12:35:27	0168-03-20 12:07:54	-453	0168-03-21	C	0168-03-20 14:35:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-454	0167-03-21	L	0167-03-21 06:46:00	0167-03-21 12:07:49	-454	0167-03-21	L	0167-03-21 08:48:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE									
	-455	0166-03-21	C	0166-03-21 00:57:51	0166-03-21 12:07:44	-455	0166-03-21	C	0166-03-21 03:01:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-456	0165-03-21	C	0165-03-20 19:19:49	0165-03-20 12:07:59	-456	0165-03-21	C	0165-03-20 21:22:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-457	0164-03-21	C	0164-03-20 13:26:01	0164-03-20 12:07:56	-457	0164-03-21	C	0164-03-20 15:28:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-458	0163-03-21	L	0163-03-21 07:39:22	0163-03-21 12:07:49	-458	0163-03-21	L	0163-03-21 09:41:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-459	0162-03-21	C	0162-03-21 02:02:10	0162-03-21 12:07:43	-459	0162-03-21	C	0162-03-21 04:02:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-460	0161-03-21	C	0161-03-20 20:07:13	0161-03-20 12:08:01	-460	0161-03-21	C	0161-03-20 22:07:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-461	0160-03-21	C	0160-03-20 14:15:58	0160-03-20 12:07:56	-461	0160-03-21	C	0160-03-20 16:18:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-462	0159-03-21	L	0159-03-21 08:23:54	0159-03-21 12:07:51	-462	0159-03-21	L	0159-03-21 10:31:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-463	0158-03-21	C	0158-03-21 02:31:11	0158-03-21 12:07:46	-463	0158-03-21	C	0158-03-21 04:39:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-464	0157-03-21	C	0157-03-20 20:51:57	0157-03-20 12:08:01	-464	0157-03-21	C	0157-03-20 22:56:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-465	0156-03-21	C	0156-03-20 14:55:16	0156-03-20 12:07:58	-465	0156-03-21	C	0156-03-20 16:59:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-466	0155-03-21	L	0155-03-21 09:03:37	0155-03-21 12:07:51	-466	0155-03-21	L	0155-03-21 11:09:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-467	0154-03-21	C	0154-03-21 03:24:39	0154-03-21 12:07:44	-467	0154-03-21	C	0154-03-21 05:29:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-468	0153-03-21	C	0153-03-20 21:28:44	0153-03-20 12:08:03	-468	0153-03-21	C	0153-03-20 23:31:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-469	0152-03-21	C	0152-03-20 15:39:12	0152-03-20 12:07:56	-469	0152-03-21	C	0152-03-20 17:41:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-470	0151-03-21	L	0151-03-21 09:50:39	0151-03-21 12:07:51	-470	0151-03-21	L	0151-03-21 11:54:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-471	0150-03-21	C	0150-03-21 03:56:58	0150-03-21 12:07:46	-471	0150-03-21	C	0150-03-21 05:59:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-472	0149-03-21	C	0149-03-20 22:13:44	0149-03-20 12:08:01	-472	0149-03-21	C	0149-03-21 00:16:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-473	0148-03-21	C	0148-03-20 16:15:06	0148-03-20 12:07:58	-473	0148-03-21	C	0148-03-20 18:21:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									

Nowruz date	Persian year	Nowruz compared to sun transit by Gregorian calendar	Sun transit referenced Leap or common	Vernal Equinox	Sun Transit noon time	Persian year	Nowruz compared to sun transit by Gregorian calendar	Sun transit referenced Leap or common	Vernal Equinox	L/C	Sayyad compare to kstars	Sayyad compare to timeanddate.com	L/C	Birashk compare to kstars	Birashk compare to timeanddate.com	L/C	Akrami compare to kstars	Akrami compare to timeanddate.com	Malekzadeh compare to kstars	Malekzadeh compare to timeanddate.com	Abdollahi compare to kstars	Abdollahi compare to timeanddate.com	Kaveh compare to kstars	Kaveh compare to timeanddate.com	Vernal Equinox	Sun Transit noon time	Nowruz compared to sun transit by Gregorian calendar
	-474	0147-03-21	L	0147-03-21 10:21:16	0147-03-21 12:07:54	-474	0147-03-22	C	0147-03-21 12:29:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE							0147-03-21 10:04:36	0147-03-21 12:07:35	0147-03-21
	-475	0146-03-21	C	0146-03-21 04:46:21	0146-03-21 12:07:46	-475	0146-03-21	L	0146-03-21 06:53:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE									
	-476	0145-03-21	C	0145-03-20 22:55:20	0145-03-20 12:08:04	-476	0145-03-21	C	0145-03-21 00:59:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-477	0144-03-21	C	0144-03-20 17:08:38	0144-03-20 12:07:58	-477	0144-03-21	C	0144-03-20 19:13:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-478	0143-03-21	L	0143-03-21 11:25:03	0143-03-21 12:07:53	-478	0143-03-22	C	0143-03-21 13:33:16	L	TRUE	FALSE	C	FALSE	TRUE	C	FALSE	TRUE							0143-03-21 11:08:05	0143-03-21 12:07:34	0143-03-21
	-479	0142-03-21	C	0142-03-21 05:34:14	0142-03-21 12:07:48	-479	0142-03-21	L	0142-03-21 07:42:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE									
	-480	0141-03-20	C	0141-03-20 23:54:18	0141-03-20 12:08:03	-480	0141-03-21	C	0141-03-21 02:01:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-481	0140-03-21	C	0140-03-20 18:02:13	0140-03-20 12:07:59	-481	0140-03-21	C	0140-03-20 20:09:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-482	0139-03-22	C	0139-03-21 12:08:15	0139-03-21 12:07:54	-482	0139-03-22	C	0139-03-21 14:15:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-483	0138-03-21	L	0138-03-21 06:30:26	0138-03-21 12:07:46	-483	0138-03-21	L	0138-03-21 08:35:16	L	TRUE	TRUE	L	TRUE	TRUE	L	TRUE	TRUE									
	-484	0137-03-21	C	0137-03-21 00:31:57	0137-03-21 12:07:41	-484	0137-03-21	C	0137-03-21 02:36:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-485	0136-03-21	C	0136-03-20 18:33:39	0136-03-20 12:07:59	-485	0136-03-21	C	0136-03-20 20:41:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-486	0135-03-22	C	0135-03-21 12:45:18	0135-03-21 12:07:56	-486	0135-03-22	C	0135-03-21 14:55:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-487	0134-03-21	L	0134-03-21 06:49:41	0134-03-21 12:07:49	-487	0134-03-21	L	0134-03-21 08:59:16	L	TRUE	TRUE	L	TRUE	TRUE	C	FALSE	FALSE									
	-488	0133-03-21	C	0133-03-21 01:07:22	0133-03-21 12:07:41	-488	0133-03-21	C	0133-03-21 03:14:16	C	TRUE	TRUE	L	TRUE	TRUE	L	FALSE	FALSE									
	-489	0132-03-21	C	0132-03-20 19:15:35	0132-03-20 12:07:59	-489	0132-03-21	C	0132-03-20 21:23:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-490	0131-03-22	C	0131-03-21 13:20:24	0131-03-21 12:07:54	-490	0131-03-22	C	0131-03-21 15:29:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-491	0130-03-21	L	0130-03-21 07:45:22	0130-03-21 12:07:48	-491	0130-03-21	L	0130-03-21 09:54:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-492	0129-03-21	C	0129-03-21 01:53:57	0129-03-21 12:07:43	-492	0129-03-21	C	0129-03-21 04:01:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-493	0128-03-21	C	0128-03-20 20:02:15	0128-03-20 12:07:59	-493	0128-03-21	C	0128-03-20 22:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-494	0127-03-22	C	0127-03-21 14:22:24	0127-03-21 12:07:54	-494	0127-03-22	C	0127-03-21 16:31:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-495	0126-03-21	L	0126-03-21 08:29:29	0126-03-21 12:07:49	-495	0126-03-21	L	0126-03-21 10:38:16	L	TRUE	TRUE	C	FALSE	FALSE	C	FALSE	FALSE									
	-496	0125-03-21	C	0125-03-21 02:45:18	0125-03-21 12:07:43	-496	0125-03-21	C	0125-03-21 04:53:16	C	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-497	0124-03-21	C	0124-03-20 20:52:54	0124-03-20 12:08:01	-497	0124-03-21	C	0124-03-20 23:04:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-498	0123-03-22	C	0123-03-21 14:56:55	0123-03-21 12:07:56	-498	0123-03-22	C	0123-03-21 17:10:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-499	0122-03-21	L	0122-03-21 09:22:20	0122-03-21 12:07:49	-499	0122-03-21	L	0122-03-21 11:33:16	L	TRUE	TRUE	L	FALSE	FALSE	L	FALSE	FALSE									
	-500	0121-03-21	C	0121-03-21 03:32:15	0121-03-21 12:07:44	-500	0121-03-21	C	0121-03-21 05:40:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-501	0120-03-20	C	0120-03-20 21:37:43	0120-03-20 12:08:01	-501	0120-03-21	C	0120-03-20 23:45:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
	-502	0119-03-21	C	0119-03-21 15:54:48	0119-03-21 12:07:54	-502	0119-03-22	C	0119-03-21 18:06:16	C	TRUE	TRUE	C	TRUE	TRUE	C	TRUE	TRUE									
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	-504	0117-03-21	C	0117-03-21 04:13:30	0117-03-21 12:07:44	-504	0117-03-21	L	0117-03-21 06:23:16	C	TRUE	FALSE	L	FALSE	TRUE	L	FALSE	TRUE									
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