

2340	1800	1	36
2339	1801	2	37
2338	1802	3	38
2337	1803	4	39
2336	1804	5	40
2335	1805	6	41
2334	1806	7	42
2333	1807	1	43
2332	1808	2	44
2331	1809	3	45
2330	1810	4	46
2329	1811	5	47
2328	1812	6	48
2327	1813	7	49
2326	1814	1	1/50
2325	1815	2	2
2324	1816	3	3
2323	1817	4	4
2322	1818	5	5
2321	1819	6	6
2320	1820	7	7
2319	1821	1	8
2318	1822	2	9
2317	1823	3	10
2316	1824	4	11
2315	1825	5	12
2314	1826	6	13
2313	1827	7	14
2312	1828	1	15
2311	1829	2	16
2310	1830	3	17
2309	1831	4	18
2308	1832	5	19
2307	1833	6	20
2306	1834	7	21
2305	1835	1	22
2304	1836	2	23
2303	1837	3	24
2302	1838	4	25
2301	1839	5	26
2300	1840	6	27
2299	1841	7	28
2298	1842	1	29
2297	1843	2	30
2296	1844	3	31
2295	1845	4	32
2294	1846	5	33
2293	1847	6	34
2292	1848	7	35

**(A)** The first dated entry on the first register of the Palermo Stone for King U: "IV Akhet, day 13, appearance of the king of Upper and Lower Egypt, King U (wearing the Red Crown of Lower Egypt)." The date marks his accession to the Dual Crown, likely an elected position over a federated Egypt. The date of his investiture is a commemorative date, chosen to be the date of the rising of Sirius (or inundation) when Egypt was first founded. I Akhet 1 = spring equinox, April 11 in 2380 BC, and IV Akhet 13 = rising of Sirius. The kings before U are his contemporaries in the federation. Narmer is the next king elected and likely inaugurated on the same date.

Note: all archaeoastronomy before 1592 BC requires long day correction.  
 Note: 2298 eclipse; see map adjacent to 3000 BC.

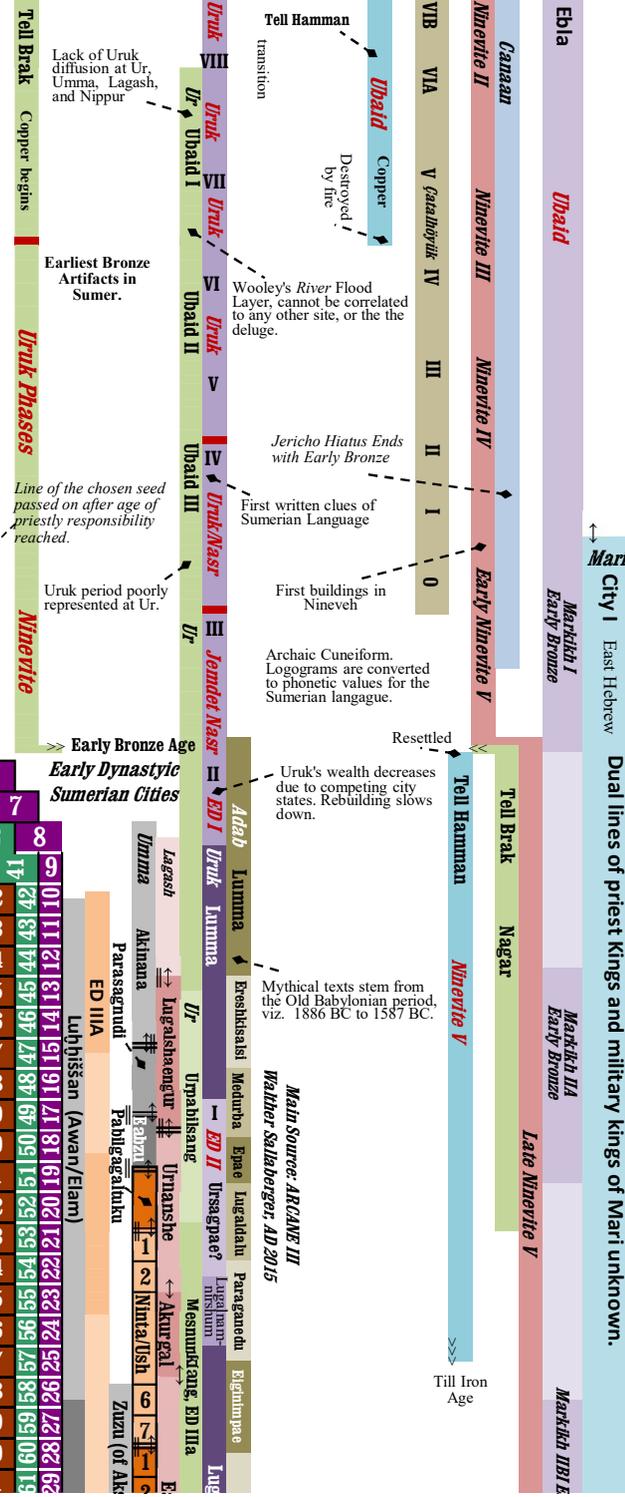
**Sargon, the Conquering Hero:** "Sargon had barely ventured into the land of Utara-pashtim (read Utanapishtim = Noah), when as if he were hostile, the forest waged war against him. It [he] set darkness in place of the light of the heavens. The sun dimmed, the stars sallied forth against the enemy..." Total Solar eclipse in the region of Ercis, Turkey, south west of Ararat, December 1, 2298 BC.  $\Delta T = -43200 + 32 T^2$ ,  $T = -2297 - 1820/100$ . Venus, Mercury, Jupiter, Mars, Spica, Antares, Arcutrus, Vega, and other stars appeared.

$\Delta T$ , use Espenak & Meeus (2006) less 12 hours. Set custom  $\Delta T$  custom  $a = -43200$ ,  $b = 0$ ,  $c = 32$ ,  $y = 1820$ ,  $n = -26$ . Track eclipse from just north of Persian gulf through eastern Turkey.

Regency, Queen and sister of Djet  
 Sargon  
 Akkad  
 1 Akkad  
 2 2  
 3 3  
 4 4  
 5 5  
 6 6  
 7 7  
 8 8  
 9 9  
 10 10

Tomb Y at Umm el-Qa'ab  
 Sargon defeats Lubbisshan of Awan/Elam.  
 4 year names  
 1st Hebsed

61430	743	242	142	61430	743	242	142
66345	744	243	143	66345	744	243	143
71652	Noah	244	144	71652	Noah	244	144
77384	Sham	245	145	77384	Sham	245	145
83575	247	247		83575	247	247	
90261	748	248		90261	748	248	
97482	749	248		97482	749	248	
105280	750	249		105280	750	249	
113703	751	250	150	113703	751	250	150
122799	752	251	151	122799	752	251	151
132623	753	252	152	132623	753	252	152
143233	754	253	153	143233	754	253	153
154692	755	254	154	154692	755	254	154
167067	756	255	155	167067	756	255	155
180432	757	256	156	180432	757	256	156
194867	758	257	157	194867	758	257	157
210456	759	258	158	210456	759	258	158
227293	760	259	159	227293	760	259	159
245476	761	260	160	245476	761	260	160
265114	762	261	161	265114	762	261	161
286323	763	262	162	286323	763	262	162
309229	764	263	163	309229	764	263	163
333967	765	264	164	333967	765	264	164
360685	766	265	165	360685	766	265	165
389540	767	266	166	389540	767	266	166
420703	768	267	167	420703	768	267	167
769	268	168	66	769	268	168	66
770	269	169	70	770	269	169	70
771	270	170	71	771	270	170	71
772	271	171	72	772	271	171	72
773	272	172	73	773	272	172	73
774	273	173	74	774	273	173	74
775	274	174	75	775	274	174	75
776	275	175	76	776	275	175	76
777	276	176	77	777	276	176	77
778	277	177	78	778	277	177	78
779	278	178	79	779	278	178	79
780	279	179	80	780	279	179	80
781	280	180	81	781	280	180	81
782	281	181	82	782	281	181	82
783	282	182	83	783	282	182	83
784	283	183	84	784	283	183	84
785	284	184	85	785	284	184	85
786	285	185	86	786	285	185	86
787	286	186	87	787	286	186	87
788	287	187	88	788	287	187	88
789	288	188	89	789	288	188	89
790	289	189	90	790	289	189	90
791	290	190	91	791	290	190	91



Dual lines of priest kings and military kings of Mari unknown.