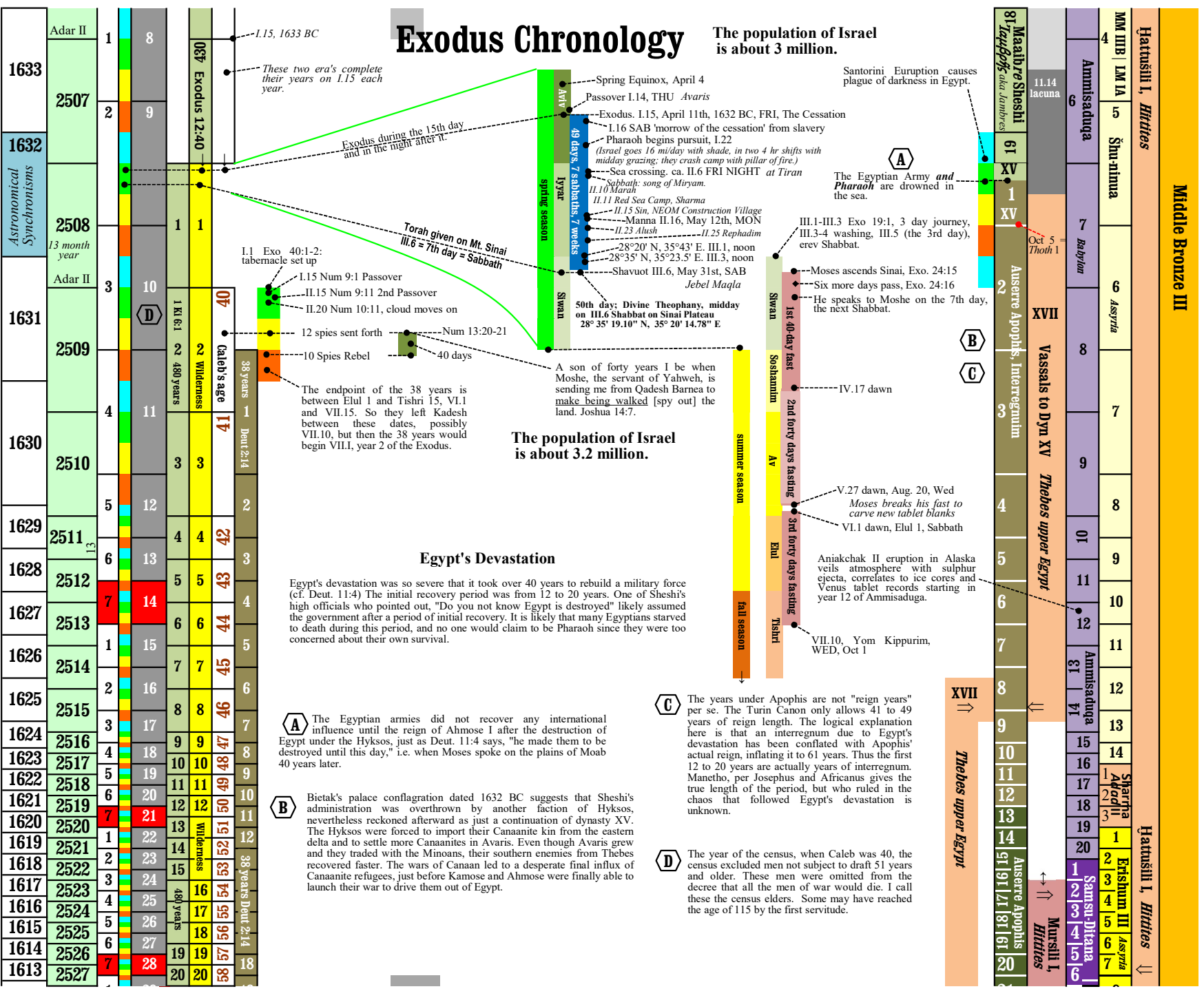


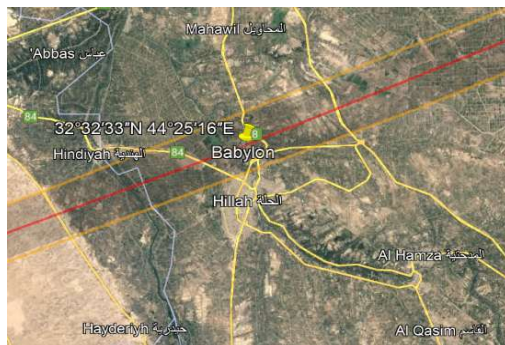
Middle Bronze III



The lands in Ancient Canaan and Egypt were much more lush and productive in the 2nd Millennium BC than in more recent times. Cities were administrative centers and defense fortresses where only the elites lived, while the vast majority of the population lived a pastoral life outside of the cities. So population estimates based on city archaeology are way off.

James B. Pritchard wrote in the 1960s that scholarship had "reached an impasse on the question of supporting the traditional view of the conquest with archaeological undergirding." Israeli archaeologist Yohanan Aharoni (1919-1976) remarked about the conquest narratives that the situation described in the Bible "corresponds exactly to the situation during the Middle Bronze Age, when two tels, and two tels only, defended the eastern Negeb against desert marauders, and the evidence points towards the identification of these tels with the ancient cities of Arad and Hormah...the Biblical tradition preserves a faithful description of the geographical-historical situation as it was some three hundred years or more prior to the Israelite conquest!" (cited from Livingston). Aharoni and other secular archaeologists believe in a 13th century Exodus. But in fact, the Exodus was in the 17th century, during the middle bronze age! And that solves a great deal of the problem Pritchard said was at an impasse.

The collapse of the Amorite kingdoms and Amorite Babylon was triggered by Israel's destruction of the Amorite kingdoms of Sihon and Og. The Hittite King Mursili I finished the destruction of the Amorite hegemony by marching on Babylon in a long distance surprise attack which destroyed it in 1588/1587 BC.



A 1593 BC, January 31 Lunar Eclipse for EAE Tablet 20.XI This is the -1592 Jan 31, Saros 8 total lunar eclipse in the 5 millennium NASA catalogue with the same ΔT correction applied as mentioned above. This eclipse was total in the 3rd watch of the night as seen from Babylon. The Tablet mentions that UR will take over, but this is incorrect, and is indicative of the faulty nature of these sources. All I have done here is give the more parsimonious explanation using the Scripture chronology as a guide. I am confident that my explanation of these eclipses is far less chaotic than attempts of experts trying to date them without Joshua's long day. And this is for a simple reason, I can match them to the history, whereas the experts who reject the long day are trying to match them to eclipses that do not exist for all attempts prior to 1592 BC.

Scripture is not in need of archaeology to confirm it, but rather there are enough witnesses in Scripture to confirm its truth, and archaeology is in need of Scripture to confirm the validity of its results and methodologies. Happily it may be said that back to the Middle Kingdom of Egypt archaeology has been confirmed by Scripture, and it may be said that archaeology is a weaker witness for what Scripture already teaches. Before that the constant tendency of secular archaeologists to stretch out timelines based on stratigraphic and uniformitarian assumptions related to C14 dating must be said to be disconfirmed by Scripture. The impasse between archaeology and Scripture that Scripture critics are often able to present is not mostly the fault of archaeological methods or conclusions from the middle kingdom on down. It is the fault of the spirit of lawlessness within Christianity that has torn down accurate methods of Biblical interpretation. The spirit of lawlessness has blinded those who should, if they truly name the name of the Almighty upon themselves be able to discern the truth, and have been unable to solve its riddles. Of Scripture and see pass divine concerning the truth in parable which were meant to mislead God's enemies, and not his loyal subjects. The spirit of lawlessness has resulted in a widely believed chronology entirely incompatible with archaeology.

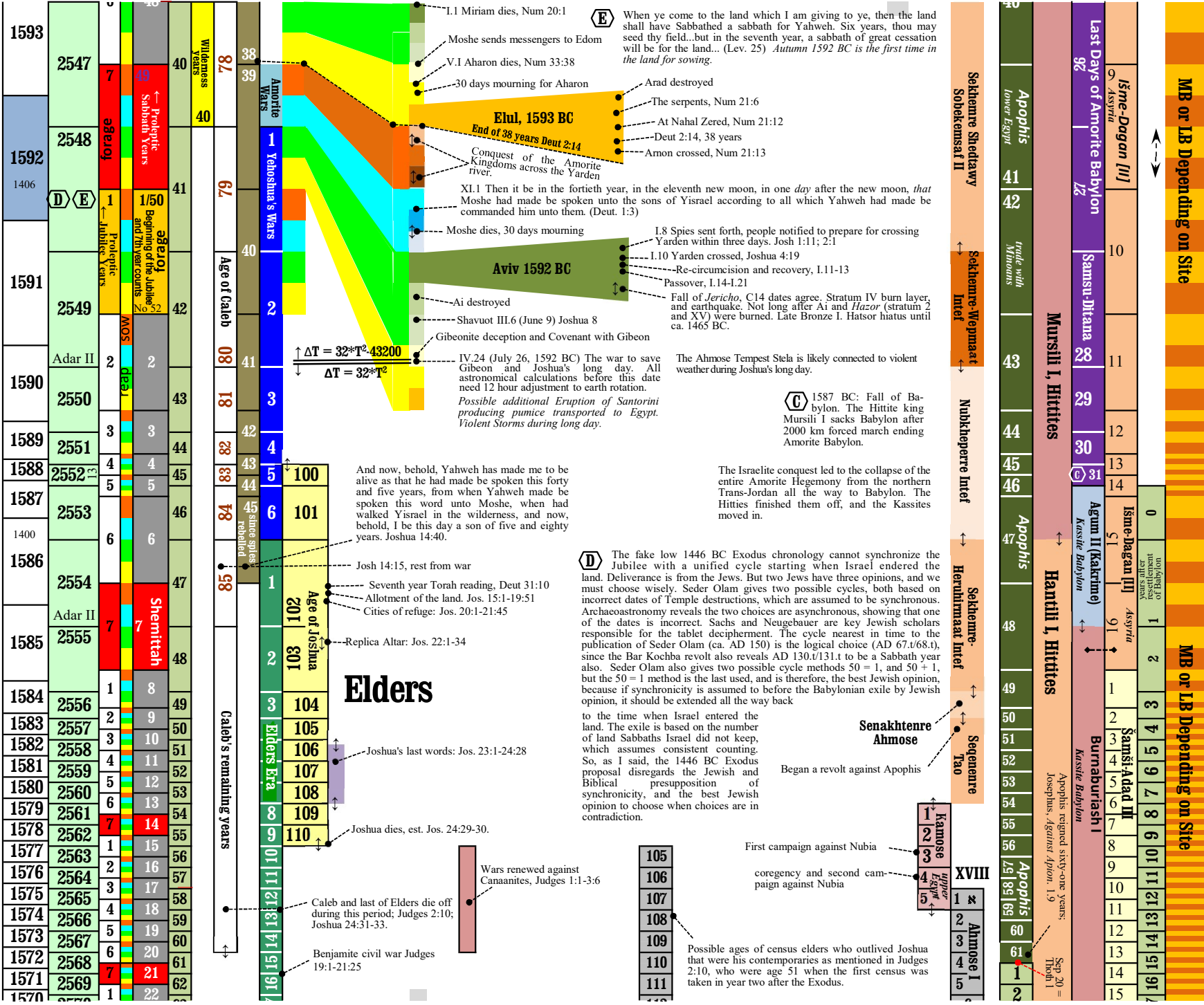
The population of Israel was about three million people, which may be directly computed from the census numbers and the figures for the firstborn. Higher critical scholars reject that Israel's army numbered anywhere near the 600,000 stated in Scripture. Rather than saying they do not believe Scripture, they try to reinterpret the meaning of the Hebrew word for 1000 so that the figures come out to be much less. No matter how many tricks they try, this evil proposal never adds up. One scholar posposed that every tribe had a differing definition of the Hebrew word for 1000. But the simple truth is that they do not believe Scripture, and are engaging in interpretive gymnastics simply so that they can get some Christians to bear with them, so that they will not turn them off, as they well deserve, to be

There is significant dispute about the arrangement of reigns in the 17th dynasty that cannot be resolved by the current state of the evidence. Only the last two kings are certain, but the reign lengths are not known for certain. For most of the dynasty they were vassals of the Hyksos king Apophis. There are a number of Pharaohs known from inscriptions and sources that could be placed into the lacunas of dynasty XIII, XIV, XVI, and XVII. There is almost no evidence to place the beginning of the XVIIIth dynasty and the end of the XVth except the epochal change that occurred in Egypt at the Exodus. Any number of the reigns here could be longer and fill up 20 years or so that I have only shaded above.

B 1594 BC, August 21 Solar Eclipse on V.28. This eclipse is -1593 Aug 21, Saros 29 in the 5 millennium NASA catalogue. The Δt correction must be reduced by 12 hours to compensate for the long day in Joshua 10 (in 1592 BC). In simple terms this means rotate the globe under the eclipse track eastward by 12 hours or subtract 43200 seconds from the Δt equation. EAE tablet 20. The eclipse map was created by EmapWin version 3.80, which generated a KML file. The longitudes were shifted 180 degrees east using Excel 2005 and then the KML file was replotted on Google Earth. The Δt T was adjusted by 80 seconds for a direct hit on Babylon. While the EAE tablet is a superstitious omens text, the Amorite Babylonians would certainly have noticed this eclipse and interpreted it as an ill omen for the fall of Babylon in 1588 BC just six years later. The existence of this eclipse is predicted by Joshua's long day suitably close to 1588 BC adequately justifies dating the EAE eclipse to 1594 BC.

XVII
(Mostly unc

Middle Bronze III												Middle Bronze III																																															
↑ ↓ 1 2 3 4 5 6 7 8 9 10 11 ↑ 1 2 3 4 5 6 7 ↑ Sekhemre Wakhau Rahotep Sekhemre Wadjkhaw Sobekemsaf I												21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 Auserre Apophis Apophis lower Egypt												Mursili I, Hittites												7 8 9 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 B A												8 9 10 11 12 13 1 2 3 4 5 6 1 2 3 4 5 6 7 8 Samsi-Adad II Išme-Dagan [u]											



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1500	2640	1	43
1499	2641	2	44
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1497	2643	4	46
1496	2644	5	47
1495	2645	6	48
1494	2646	7	49
1493	2647	1	1/50
1492	2648	2	2
1491	2649	3	3
1490	2650	4	4
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1487	2653	7	7
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1485	2655	2	9
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1482	2658	5	12
1481	2659	6	13
1480	2660	7	14
1479	2661	1	15
1478	2662	2	16
1477	2663	3	17

Lev. 26:43

Counting neglected Sabbath years up to 70.

41	99	33
42	100	34
43	101	35
44	102	36
45	103	37
46	104	38
47	105	39
48	106	40
49	9	1
50	10	2
	11	3
	12	4
	13	5
	14	6
	15	7
	16	8
	17	9
	18	10
	19	11
	20	12
	21	13
	22	14
	23	15
	24	16
	25	17
	26	18
	107	1
	108	2
	109	3
	110	4
	111	5
	112	6
	113	7
	114	8
	115	9
	116	10
	117	11
	118	12
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	120	14
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	128	22
	129	23

Yahweh was with the judge, and delivered them out of the hand of their enemies all the days of the judge. Judges 2:18.

And the land had rest forty years. And Othniel the son of Kenaz died. Judges 3:11.

Then the sons of Israel increase to do the evil in the eyes of Yahweh. Then he makes being strengthened Eglon King of Moab against Israel because they had done the evil in the eyes of Yahweh. (Judges 3:12)

Eglon of Moab

Taking the Jubilee cycle parables and sabbatical sums and 390 and 40 years into account also, along with most of this chronology supporting conventional Egyptian and Mesopotamian middle chronology, presents us with an unconquerable biblical chronology standing on its own, and confirming itself, agreed to by the best of faulty secular chronologies. On top of this, we can pull in the best of astronomical synchronisms as arguments, which allows the argument to depend on both biblical absolutism and an imperfect extra-biblical consensus. Those immature who trust the bible are well able to detect secular absolutists who reject Scripture, but are generally unable to detect false teaching from Christians who say they are upholding Scripture, but who make absolutist arguments based on Scriptures they have misinterpreted. The proof of such misinterpretation is not in their disagreement with liberal archaeologists or evolutionists, but in their overlooking and suppressing of Scriptural data that contradict their argument, and which require a parable key to solve. And texts requiring parable keys to solve are traps to test to see if they are really listening to Scripture. Hearing but not hearing. The traps are designed to lead into predictable errors, so that those of us who do listen well, may easily convince the immature who do have the Spirit, but who need to be taught the parable keys so they can see the error of false teaching Christians who claim to be biblical, but who conceal their error.

So the children of Israel served Eglon the king of Moab eighteen years. Judges 3:14

Tentative identification of John Garstang's "Middle Building" in Jericho as Eglon of Moab's Administrative post. See Judges 3.

So Moab was subdued that day under the hand of Israel. And the land had rest fourscore years. Judges 3:30.

Ehud

The Battle of Megiddo between Thutmose III and enemies at Megiddo is often described as against "Canaanite vassal states." But no enemies from the Canaan where Israel dwelled are mentioned in the sources. Pharaoh's opponents were from north of Israel, led by the king of Kadesh, a city on the Orontes river, and allied with the Mitanni. Megiddo was one of those Canaanite cities that Israel did not destroy. This city joined the northern alliance, and so they chose this city to stage an attack on the Egyptians. The numbers involved in the battle were relatively small by Israelite standards, as may be expected in terms of international power projection vs. a domestic defense. Egypt's action was aimed mainly at control of the trade route cities on the coast, which Israel had not taken, and to create a defensive buffer of tribute paying states along these trade routes. So Israel was left unmolested by the Egyptians.

Battle of Megiddo

Megiddo was still a Canaanite city. See Judges 1:27. The Egyptians laid siege to Megiddo for seven months. After this the northern kings that hid therein came out and surrendered and agreed to pay tribute to Egypt. The Egyptians harvested all their crops and exported them to Egypt during the siege. The city they did not destroy, but used it as an administrative center until the time of the Philistine hegemony after which Egypt lost control of the city.

Thutmose's raid on Syria allowed him to collect a very temporary tribute. As soon as Egypt left, the Syrian city states stopped paying the tribute. Egypt established no permanent garrison or administration. In Canaan itself, it is certain that Egypt's influence was limited to the lowland coastal planes where chariots could be used. Even then, until Thutmose III, their control in Canaan was ephemeral and episodic.

Manetho 12 y, 9 m

III/IV Akhet
Dec 1517 BC
Access

Raid against "Shashu" in the Sinai.
Another raid into Syria.
No lunar dates are known for Thutmose II.

Manetho 13 y

Reign is fixed by year 23 and 24 lunar date synchronisms.

Scroll Legend

- A B.C. Years
- B Year of World
- C Sabbatic Periods
- C Sabbath Year
- D Seasons
- E Sabbatic Periods
- E Sabbath Year
- E Jubilee Year

I Shemu 21 (May 16, 1482 BC). Thutmose III set out at dawn when the moon was invisible (LD0). Karnak Annals of Thutmose III.

II Peret 30-III Peret 1 (LD30 and LD0) Feb 23 and 24, 1480 BC
Lunar Synchronism, year 24.
Karnak Annals of Thutmose III.

Late Bronze I																																			
18	19	20	21	22	23	24	1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12				
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												1 month																							
												Agum III																							
Huzziya I																								21 x 9 m per J. J. Oppenheim											
Nubia rebels again.												Hitite Dark Ages																							
Queen Hatshepsut, half sister wife																								4/15th century access											
May 4, 1504 BC																								Queen Hatshepsut, Pharaoh Regent											
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1403	2737	7	42
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1401	2739	2	44
1400	2740	3	45
1399	2741	4	46
1398	2742	5	47
1397	2743	6	48
1396	2744	7	49
1395	2745	1	150
1394	2746	2	2
1393	2747	3	3
1392	2748	4	4
1391	2749	5	5
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1388	2752	1	8
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1386	2754	3	10
1385	2755	4	11
1384	2756	5	12
1383	2757	6	13

**Deborah
and Barak**

Low chronology
conquest date

Low chronology
division of land.

139	179	73	Shamgar
140	180	74	
	181	75	Shamgar
	182	76	
	183	77	
	184	78	
	185	79	
	186	80	
147	27	1	
148	28	2	
149	29	3	
150	30	4	
151	31	5	
152	32	6	
153	33	7	
154	34	8	
155	35	9	
156	36	10	
157	37	11	
158	38	12	
159	39	13	
160	40	14	
161	41	15	Jabin
162	42	16	Jabin
163	43	17	Jabin
164	44	18	Jabin
165	45	19	Jabin
166	46	20	Jabin
167	187	1	
168	188	2	
169	189	3	
170	190	4	
171	191	5	
172	192	6	
173	193	7	
174	194	8	
175	195	9	
176	196	10	
177	197	11	
178	198	12	
179	199	13	Deborah
180	200	14	Deborah
181	201	15	Deborah
182	202	16	Deborah
183	203	17	Deborah
184	204	18	Deborah

Shamgar Judge after the time of Ehud Judges 3:31

Josephus allots 1 separate year for Shamgar. But Scripture speaks of no such year. All of the 80 years associated with Ehud are not assigned to his days, but to the land having rest, which Ehud passing before the 80 years were out. So Shamgar ruled in the later part of this period and probably lived beyond it, when Israel stopped listening to him.

And the land had rest eighty years. Judges 3:30.

And the children of Israel again did evil in the sight of Yahweh, and Ehud had died. Judges 4:2. The text implies that Ehud had died some time before, and that Shamgar still lived, but was not able to influence Israel to continue on the right path at the end of the 80 years.

Jabin of Hazor

A vassal of Thutmose IV. First Pharaoh to indirectly oppress Israel since the Exodus Pharaoh, Sheshi. See Judges 5:2. Also a vassal of Amenhotep III. Last Pharaoh to indirectly oppress Israel until the reign of Rehoboam.

The days of Shamgar Judges 5:6a.

The days of Jael the Kennite Judges 5:6b.

That black box sabbatical year is drawn in at the left for the fake 1446 BC Exodus date. It does not agree with our 2nd Temple Rashi cycle, the Zuckerman cycle, or the Wacholder cycle.

And the children of Israel cried unto Yahweh: for he had nine hundred chariots of iron; and twenty years he mightily oppressed the children of Israel. Judges 4:3.

So let all thine enemies perish, O Yahweh but let them that love him be as the sun when he goeth forth in his might. And the land had rest forty years. Judges 5:31.

Deborah and Barak defeated the army of Sisera in the field. Judges 4:24 implies that it took some time before Israel eliminated Yavin and Hatsor as a threat. Later EA 148 implies that possibly as early as year 30 of Amenhotep III, Hatsor was already in the hands of Israel. Cf. also EA 228.

"Then the hand of the sons of Israel proceeded, going, and hard upon Yavin king of Kena'an, onward when they had caused to be cut off Yavin, king of Kena'an."

Mummy shows death at age about 40. Year 26 is highest date from mortuary temple wine jar. Such temples were not stocked until the king was near death.

Amenhotep II was found in his original tomb (KV35) in 1898 with intact inscriptions and seals. This tomb was last sealed around 1018 BC, and remained undisturbed for more than 2900 years.

The reign of Thutmose IV is determined by two lunar date synchronisms just before and after his reign, and the high year date for Amenhotep II.

At least 8 years.

Manetho 9 yrs 8 mon

Knossos Destroyed

S.W. Manning, 2014

Amenhotep's reign was a period of unprecedented prosperity and artistic splendour, when Egypt reached the peak of its artistic and international power.

June 18, 1406 BC, (Cairo J. 72453, III Shemu 13), 10th year grafitto, LD3 or LD4.

Amarna Letter Period

Amarna Letters from Amenhotep III to Kadašman-Enlil I. EA 1, EA 5.

The reign of Amenhotep III is fixed by the year 10 synchronism, by the high year date, yr. 38, and the limits of the Mes Inscription.

EA 148. The King of Tyre complains that Hazor has been ceded to the Habiru.

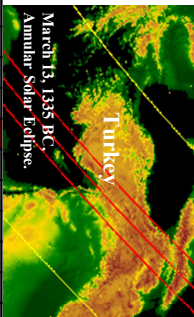
Late Bronze I		Late Bronze I		Late Bronze IIA	
25	26	1	2	3	4
Thutmose IV	Thutmose IV	Thutmose IV	Thutmose IV	Thutmose IV	Thutmose IV
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78
79	80	81	82	83	84
85	86	87	88	89	90
91	92	93	94	95	96
97	98	99	100	101	102
103	104	105	106	107	108
109	110	111	112	113	114
115	116	117	118	119	120
121	122	123	124	125	126
127	128	129	130	131	132
133	134	135	136	137	138
139	140	141	142	143	144
145	146	147	148	149	150
151	152	153	154	155	156
157	158	159	160	161	162
163	164	165	166	167	168
169	170	171	172	173	174
175	176	177	178	179	180
181	182	183	184	185	186
187	188	189	190	191	192
193	194	195	196	197	198
199	200	201	202	203	204
205	206	207	208	209	210
211	212	213	214	215	216
217	218	219	220	221	222
223	224	225	226	227	228
229	230	231	232	233	234
235	236	237	238	239	240
241	242	243	244	245	246
247	248	249	250	251	252
253	254	255	256	257	258
259	260	261	262	263	264
265	266	267	268	269	270
271	272	273	274	275	276
277	278	279	280	281	282
283	284	285	286	287	288
289	290	291	292	293	294
295	296	297	298	299	300
301	302	303	304	305	306
307	308	309	310	311	312
313	314	315	316	317	318
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325	326	327	328	329	330
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337	338	339	340	341	342
343	344	345	346	347	348
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355	356	357	358	359	360
361	362	363	364	365	366
367	368	369	370	371	372
373	374	375	376	377	378
379	380	381	382	383	384
385	386	387	388	389	390
391	392	393	394	395	396
397	398	399	400	401	402
403	404	405	406	407	408
409	410	411	412	413	414
415	416	417	418	419	420
421	422	423	424	425	426
427	428	429	430	431	432
433	434	435	436	437	438
439	440	441	442	443	444
445	446	447	448	449	450
451	452	453	454	455	456
457	458	459	460	461	462
463	464	465	466	467	468
469	470	471	472	473	474
475	476	477	478	479	480
481	482	483	484	485	486
487	488	489	490	491	492
493	494	495	496	497	498
499	500	501	502	503	504
505	506	507	508	509	510
511	512	513	514	515	516
517	518	519	520	521	522
523	524	525	526	527	528
529	530	531	532	533	534
535	536	537	538	539	540
541	542	543	544	545	546
547	548	549	550	551	552
553	554	555	556	557	558
559	560	561	562	563	564
565	566	567	568	569	570
571	572	573	574	575	576
577	578	579	580	581	582
583	584	585	586	587	588
589	590	591	592	593	594
595	596	597	598	599	600
601	602	603	604	605	606
607	608	609	610	611	612
613	614	615	616	617	618
619	620	621	622	623	624
625	626	627	628	629	630
631	632	633	634	635	636
637	638	639	640	641	642
643	644	645	646	647	648
649	650	651	652	653	654
655	656	657	658	659	660
661	662	663	664	665	666
667	668	669	670	671	672
673	674	675	676	677	678
679	680	681	682	683	684
685	686	687	688	689	690
691	692	693	694	695	696
697	698	699	700	701	702
703	704	705	706	707	708
709	710	711	712	713	714
715	716	717	718	719	720
721	722	723	724	725	726
727	728	729	730	731	732
733	734	735	736	737	738
739	740	741	742	743	744
745	746	747	748	749	750
751	752	753	754	755	756
757	758	759	760	761	762
763	764	765	766	767	768
769	770	771	772	773	774
775	776	777	778	779	780
781	782	783	784	785	786
787	788	789	790	791	792
793	794	795	796	797	798
799	800	801	802	803	804
805	806	807	808	809	810
811	812	813	814	815	816
817	818	819	820	821	822
823	824	825	826	827	828
829	830	831	832	833	834
835	836	837	838	839	840
841	842	843	844	845	846
847	848	849	850	851	852
853	854	855	856	857	858
859	860	861	862	863	864
865	866	867	868	869	870
871	872	873	874	875	876
877	878	879	880	881	882
883	884	885	886	887	888
889	890	891	892	893	894
895	896	897	898	899	900
901	902	903	904	905	906
907	908	909	910	911	912
913	914	915	916	917	918
919	920	921	922	923	924
925	926	927	928	929	930
931	932	933	934	935	936
937	938	939	940	941	942
943	944	945	946	947	948
949	950	951	952	953	954
955	956	957	958	959	960
961	962	963	964	965	966
967	968	969	970	971	972
973	974	975	976	977	978
979	980	981	982	983	984
985	986	987	988	989	990
991	992	993	994	995	996
997	998	999	1000	1001	1002
1003	1004	1005	1006	1007	1008
1009	1010	1011	1012	1013	1014
1015	1016	1017	1018	1019	1020
1021	1022	1023	1024	1025	1026
1027	1028	1029	1030	1031	1032
1033	1034	1035	1036	1037	1038
1039	1040	1041	1042	1043	1044
1045	1046	1047	1048	1049	1050
1051	1052	1053	1054	1055	1056
1057	1058	1059	1060	1061	1062
1063	1064	1065	1066	1067	1068
1069	1070	1071	1072	1073	1074
1075	1076	1077	1078	1079	1080
1081	1082	1083	1084	1085	1086
1087	1088	1089	1090	1091	1092
1093	1094	1095	1096	1097	1098
1099	1100	1101	1102	1103	1104
1105	1106	1107	1108	1109	1110
1111	1112	1113	1114	1115	1116
1117	1118	1119	1120	1121	1122
1123	1124	1125	1126	1127	1128
1129	1130	1131	1132	1133	1134
1135	1136	1137	1138	1139	1140
1141	1142	1143	1144	1145	1146
1147	1148	1149	1150	1151	1152
1153	1154	1155	1156	1157	1158
1159	1160	1161	1162	1163	1164
1165	1166	1167	1168	1169	1170
1171	1172	1173	1174	1175	1176
1177	1178	1179	1180	1181	1182
1183	1184	1185	1186	1187	1188
1189	1190	1191	1192	1193	1194
1195	1196	1197	1198	1199	1200
1201	1202	1203	1204	1205	1206
1207	1208	1209	1210	1211	1212
1213	1214	1215	1216	1217	1218
1219	1220	1221	1222	1223	1224
1225	1226	1227	1228	1229	1230
1231	1232	1233	1234	1235	1236
1237	1238	1239	1240	1241	1242
1243	1244	1245	1246	1247	1248
1249	1250	1251	1252	1253	1254
1255	1256	1257	1258	1259	1260
1261	1262	1263	1264	1265	1266
1267	1268	1269	1270	1271	1272
1273	1274	1275	1276	1277	1278
1279	1280	1281	1282	1283	1284
1285	1286	1287	1288	1289	1290
1291	1292	1293	1294	1295	1296
1297	1298	1299	1300	1301	1302
1303	1304	1305	1306	1307	1308
1309	1310	1311	1312	1313	1314
1315	1316	1317	1318	1319	1320
1321	1322	1323	1324	1325	1326
1327	1328	1329	1330	1331	1332
1333	1334	1335	1336	1337	1338
1339	1340	1341	1342	1343	1344
1345	1346	1347	1348	1349	1350
1351	1352	1353	1354	1355	1356
1357	1358	1359	1360	1361	1362
1363	1364	1365	1366	1367	1368
1369	1370	1371	1372	1373	1374
1375	1376	1377	1378	1379	1380
1381					

1382	2751	7	14
1381	2758	1	15
1380	2759	2	16
1379	2760	3	17
1378	2761	4	18
1377	2762	5	19
1376	2763	6	20
1375	2764	7	21
1374	2765	1	22
1373	2766	2	23
1372	2767	3	24
1371	2768	4	25
1370	2769	5	26
1369	2770	6	27
1368	2771	7	28
1367	2772	1	29
1366	2773	2	30
1365	2774	3	31
1364	2775	4	32
1363	2776	5	33
1362	2777	6	34
1361	2778	7	35
1360	2779	1	36
1359	2780	2	37
1358	2781	3	38
1357	2782	4	39
1356	2783	5	40
1355	2784	6	41
1354	2785	7	42
1353	2786	1	43
1352	2787	2	44
1351	2788	3	45
1350	2789	4	46
1349	2790	5	47
1348	2791	6	48
1347	2792	7	49
1346	2793	1	1/50
1345	2794	2	2
1344	2795	3	3
1343	2796	4	4
1342	2797	5	5
1341	2798	6	6
1340	2799	7	7
1339	2800	1	8
1338	2801	2	9
1337	2802	3	10
1336	2803	4	11
1335	2804	5	12
1334	2805	6	13
1333	2806	7	14

See 1566 BC for correct positioning of the Mesopotamian Oppression.

Supposed Kassite Servitude

"Thiele" date of "Kassite" (Cushan) oppression proved impossible by Egyptian sphere of influence and Amarna letters.



185	205	19
186	206	20
187	207	21
188	208	22
189	209	23
190	210	24
	211	25
	212	26
	213	27
	214	28
	215	29
	216	30
197	217	31
198	218	32
199	219	33
200	220	34
201	221	35
202	222	36
203	223	37
204	224	38
205	225	39
206	226	40
207	47	1
208	48	2
209	49	3
210	50	4
211	51	5
212	52	6
213	53	7
214	227	1
215	228	2
216	229	3
217	230	4
218	231	5
219	232	6
220	233	7
221	234	8
222	235	9
223	236	10
224	237	11
225	238	12
226	239	13
227	240	14
228	241	15
229	242	16
230	243	17
231	244	18
232	245	19

Acts 13:20

Deborah

Midian
Israel
Sin of Israel Ez 4:5

- (C) Amarna Letters continue to confirm that the Israelites (the Habiru) are increasingly chipping off the domain of Pharaoh's Canaanites vassals.
- (B) Amarna Letters between Burna-Buriash II and Akhenaten. EA 6 to EA 14 confirm that Canaan was wholly in the Egyptian sphere of influence, and that the Kassites could not have occupied the land.
- (A) The Mes Inscription and Memphite Tomb-Chapel of Mose both reference the 59th year of Horemheb. The Rameside courts enacted a deliberate damnatio memoriae upon reference to any year from the period of the Atenists. The scribal practice was to substitute "the 59th year of Horemheb" for reference to any year of the proscribed rulers as if Horemheb had usurped the years, since he indeed was the chief agent of erasure of the Aten heresy. As a result we know the total span of years from when Amenhotep III died till the accession of Rameses I. So any court records dating from any year in that time were simply referred to as from "the 59th year of Horemheb."

Yahweh delivered them out of the hand of their enemies all the days of the judge: Judges 2:18.

And the land had rest forty years. Judges 5:31.

And the children of Israel did evil in the sight of Yahweh: and Yahweh delivered them into the hand of Midian seven years. Judges 6:1.

Midian

Israel lived in caves and forts.

Midian invaded from the South and East. The Midianites were nomadic bandits at this time, not vassals of Egypt. Coastal Canaanite cities were left in Egypt's hands.

Gideon tears down the altar of Baal and cuts down the Asherah.

Gideon

The land had peace and quiet 40 years.

Thus was Midian subdued before the children of Israel, so that they lifted up their heads no more. And the country was in quietness forty years in the days of Gideon. Judges 8:28.

Possible thinking of Ay. Ay was willing to go along with raising king Tut as a follower of the Amun cult, a compromise with the Athenists camp, until king Tut died, and he discovered the diplomacy with the Hittite king, and fearing a revival of the Athenist agenda by the daughter of Akhenaten, Ankhesenpaaten. Therefore, he usurped the throne and started a war with Hattusha, earning a *damnatio memoriae*.

Ay's tomb was plundered shortly after burial due to Horemheb's *damnatio memoriae* efforts. As a result only 4 years are attested for his reign, leaving open the possibility of a longer reign. Also, other evidences of his reign were erased.

Smenkhkare born to Amenhotep III

1/1/Peret, Dec. 1, 1379 BC Accession.

Married to Nefertiti Meriaten born

Founding of Akhenaten
yr 5, IV Peret 13
March 12 1374

Marriage of Smenkhkare and Meriaten

Probable son of Smenkhkare and Meriaten (Akhenaten and Nefertiti's daughter)

Wine jar labels for years 4 to 17 at Amarna. And then 3 more years of vintages.

Smenkhkare
(Akhenaten's brother)

Nefertiti was the real power in the court. Both Smenkhkare and Meriaten were dead by age 21. Smenkhkare married into the Atenist heresy, and was practically Pharaoh in name only behind Nefertiti.

Wine jar dockets for 3 years

Pawah graffito, yr 3 attested, possible ref. to 1360 BC solar eclipse.

Pharonic name of Nefertiti (regency for Tutankhamon)

Death of Nefertiti KV62

Tutankhamun's marriage to Ankhesenamun, his half-sister. Her unmarried name was: Ankhesenpaaten.

Year 9: Last certain wine jar docket. Tomb KV62, possible reuse of Nefertiti's tomb.

Tutankhamon's widowed queen tries to marry Hittite Prince. Period of frenzied diplomacy and uncertainty of succession.

Ay's agents murder the Hittite prince. Ay seizes the throne.

Egypt's war with the Hittites begins.

Plague ravages Hattusha, killing the Hittite king.

Solar Annular Eclipse 10th Year Murshili II

Uluburun Ship

34	A year 38 attested	21
35		22
36		23
37		24
1		25
2		26
3		27
4		28
5		29
6		30
7		31
8		32
9		33
10		34
11		35
12		36
13		37
14		38
15		39
16		40
17		41
18		42
19		43
20		44
21		45

Late Bronze IIA

1285	2855	7	14	19
1284	2856	1	15	
1283	2857	2	16	
1282	2858	3	17	
1281	2859	4	18	
1280	2860	5	19	
1279	2861	6	20	
1278	2862	7	21	
1277	2863	1	22	
1276	2864	2	23	
1275	2865	3	24	
1274	2866	4	25	
1273	2867	5	26	
1272	2868	6	27	
1271	2869	7	28	
1270	2870	1	29	
1269	2871	2	30	
1268	2872	3	31	
1267	2873	4	32	
1266	2874	5	33	
1265	2875	6	34	
1264	2876	7	35	10
1263	2877	1	36	
1262	2878	2	37	
1261	2879	3	38	
1260	2880	4	39	
1259	2881	5	40	
1258	2882	6	41	
1257	2883	7	42	11
1256	2884	1	43	
1255	2885	2	44	
1254	2886	3	45	
1253	2887	4	46	
1252	2888	5	47	
1251	2889	6	48	
1250	2890	7	49	12
1249	2891	1	1/50	13
1248	2892	2	2	
1247	2893	3	3	
1246	2894	4	4	
1245	2895	5	5	
1244	2896	6	6	
1243	2897	7	7	
1242	2898	1	8	
1241	2899	2	9	
1240	2900	3	10	
1239	2901	4	11	
1238	2902	5	12	
1237	2903	6	13	

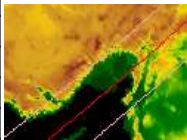
Actual time is 18 years even though offset from regular years.

Actual time is 6 years even though offset from regular years.

282	292	3		
283	293	4		
284	294	5		
285	295	6		
286	296	7	Jair	
287	297	8	Jair	
288	298	9		
289	299	10		
290	300	11		
291	301	12		
292	302	13		
293	303	14		
294	304	15		
295	305	16		
296	306	17		
297	307	18		
298	308	19	Jair	
299	309	20	Jair	
300	310	21		
301	311	22		
Acts 13:20	57	1		
	58	2		
	59	3		
	60	4		
	61	5		
	62	6		
	63	7		
	64	8		
	65	9		
	66	10		
Sin of Israel, Ezek. 4:5, 390 years	67	11		
	68	12		
	69	13		
	70	14		
	71	15		
	72	16		
	73	17		
	74	18		
	320	312	1	
	321	313	2	
322	314	3	under	
323	315	4	under	
324	316	5	under	
325	317	6		
326	318	1	ibzan	
327	319	2	ibzan	
328	320	3		
329	321	4		
330	322	5		

1236	2904	7	14
1235	2905	1	15
1234	2906	2	16
1233	2907	3	17
1232	2908	4	18
1231	2909	5	19
1230	2910	6	20
1229	2911	7	21
1228	2912	1	22
1227	2913	2	23
1226	2914	3	24
1225	2915	4	25
1224	2916	5	26
1223	2917	6	27
1222	2918	7	28
1221	2919	1	29
1220	2920	2	30
1219	2921	3	31
1218	2922	4	32
1217	2923	5	33
1216	2924	6	34
1215	2925	7	35
1214	2926	1	36
1213	2927	2	37
1212	2928	3	38
1211	2929	4	39
1210	2930	5	40
1209	2931	6	41
1208	2932	7	42
1207	2933	1	43
1206	2934	2	44
1205	2935	3	45
1204	2936	4	46
1203	2937	5	47
1202	2938	6	48
1201	2939	7	49
1200	2940	1	150
1199	2941	2	2
1198	2942	3	3
1197	2943	4	4
1196	2944	5	5
1195	2945	6	6
1194	2946	7	7
1193	2947	1	8
1192	2948	2	9
1191	2949	3	10
1190	2950	4	11
1189	2951	5	12
1188	2952	6	13

On the 6th hour of the day of the new moon in the month hiyar, the Sun went down. Its gatekeeper was Ršp [Mars]. The month, the time and the appearance of the planet date this omen text from Ugarit to 1223.



Final fall of Ugarit 1223 BC
Eclipse Omen Text KTU 1.78
March 5, 1223 BC. Also, the end of the Hittite Empire. The tablet was found in the bronze age collapse destruction debris at Ugarit.

331	323	6
332	324	7
333	325	1
334	326	2
335	327	3
336	328	4
337	329	5
338	330	6
339	331	7
340	332	8
341	333	9
342	334	10
343	335	1
344	336	2
345	337	3
346	338	4
347	339	5
348	340	6
349	341	7
350	342	8
351	75	1
352	76	2
353	77	3
354	78	4
355	79	5
356	80	6
357	81	7
358	82	8
359	83	9
360	84	10
361	85	11
362	86	12
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375	99	25
376	100	26
377	101	27
378	102	28
379	103	29

Elon of Zebulun

And after him Elon, a Zebulonite, judged Israel; and he judged Israel ten years. Judges 12:11.

Elon's territory was just north and east of the Jezreel valley.

Abdon of Ephraim

And after him Abdon the son of Hillel, a Pirathonite, judged Israel. And he had forty sons and thirty nephews, that rode on threescore and ten ass colts; and he judged Israel eight years. Judges 12:13.

Yahweh delivered them out of the hand of their enemies all the days of the judge: Judges 2:18.

And the children of Israel did evil again in the sight of Yahweh; and Yahweh delivered them into the hand of the Philistines forty years. Judges 13:1

Philistines I

A New wave of Philistines from Caphtor (Crete) occupy the Pentapolis.

Mass production of iron weaponry.

Philistine Bichrome Pottery

The Sea Peoples are compelled to withdraw from Egypt. Appearance of Mycenaean LH IIIC:1b (Philistine) pottery in the coastal plain of Palestine, generally assumed to correspond to the settlement of Sea Peoples there at the 8th year of Ramesses III. Mazar, Amihai (1985). "The emergence of the Philistine material culture". *Israel Exploration Journal*. **35** (2/3): 95–107. Note: The Philistines had colonies in the five cities long before, and the archaeology is simply a pottery development originating in Greece along with the expansion of Philistine hegemony, new weapons technology and new waves of settlement.

And he will begin to deliver Israel from the hand of the Philistines. Judges 13:5.

Samson

And he judged Israel in the days of the Philistines twenty years. Judges 15:20. In Judges 13:5 it says he would "begin to deliver Israel" and in this verse, it says he judged in the days of the Philistines. In consideration of Judges 2:18, Samson's is the only judgeship that can overlap with an oppression. And these verses together make him an exception to the rule. Generally these distinctions are not respected by the popular chronologies, but popular chronology is not the goal. Biblical chronology is.

Egypt faces rebellions on 3 fronts, south, west, and north. It's frontiers collapse by 100's of km on every front, s. lost 200 km. West lost 400 km. Widespread droughts. Early stage of Bronze Age Collapse.

Possibly Merenptah plunders and burns the seed (crops) of Elon the Zebulonite's Canaanite vassals or trading partners in the Jezreel valley, and puns the deed putting Israel for Jezreel in his inscription. **יִשְׂרָאֵל, יִזְרְעֵאל, יִזְרַע**. The extent of Merneptah's operations need not be taken too seriously: IEJ, Vol. 36, 188-200, Donald Redford.

Earthquake storm
Coastal Plundering of Sea Peoples
Compare Viking Raids on Europe between 700 and 900 AD.

Sea Peoples invade Egypt

yr 7, III shemu 9 = LD1; 25 April 1206, a 25 year translation from 1181: DB 10, Hornung, Krauss, Warburton: Ancient Egyptian Chronology.

Ramses III defeats Sea Peoples

The Sea Peoples are compelled to withdraw from Egypt. Appearance of Mycenaean LH IIIC:1b (Philistine) pottery in the coastal plain of Palestine, generally assumed to correspond to the settlement of Sea Peoples there at the 8th year of Ramesses III. Mazar, Amihai (1985). "The emergence of the Philistine material culture". *Israel Exploration Journal*. **35** (2/3): 95–107. Note: The Philistines had colonies in the five cities long before, and the archaeology is simply a pottery development originating in Greece along with the expansion of Philistine hegemony, new weapons technology and new waves of settlement.

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Up to 7/IV/Akhet, Sept 30, 1229 BC

In Nubia?
Amenmesse (rival king) @ Thebes

~19/I/Peret Nov 10, 1223

~2/I/Peret Oct 24, 1223

Suffered from polio.

Chancellor Bay is executed. III SMW 27.

yr 7, II smw 28 = LD2 4/16/1216 (-1215) = LD2

Acc II smw 10 Nov 10, 1215

Acc I smw 26 14 Mar 1212

Siphthakht continued Siphthakht's years

Siphthakht continued Siphthakht's years

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Calendar changes		Both kings killed in battle at the same time. A16000.		Possibly only a 3 year reign, and 46 years for Assur-dan I.		Ninurta-tut																									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Enlil-iddin-issur	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I - coregency	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Ninurta-apla-Ekur	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-apla-iddina I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Assur-dan I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Marduk-kabti-ahhešu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		

1187	2953	6	13	
1186	2954	7	14	19
1185	2955	1	15	
1184	2956	2	16	
1183	2957	3	17	
1182	2958	4	18	
1181	2959	5	19	
1180	2960	6	20	
1179	2961	7	21	20
1178	2962	1	22	
1177	2963	2	23	
1176	2964	3	24	
1175	2965	4	25	
1174	2966	5	26	
1173	2967	6	27	
1172	2968	7	28	
1171	2969	1	29	
1170	2970	2	30	
1169	2971	3	31	
1168	2972	4	32	
1167	2973	5	33	
1166	2974	6	34	
1165	2975	7	35	
1164	2976	1	36	
1163	2977	2	37	
1162	2978	3	38	
1161	2979	4	39	
1160	2980	5	40	
1159	2981	6	41	
1158	2982	7	42	
1157	2983	1	43	
1156	2984	2	44	
1155	2985	3	45	
1154	2986	4	46	
1153	2987	5	47	
1152	2988	6	48	
1151	2989	7	49	
1150	2990	1	1/50	
1149	2991	2	2	
1148	2992	3	3	
1147	2993	4	4	
1146	2994	5	5	
1145	2995	6	6	
1144	2996	7	7	
1143	2997	1	8	
1142	2998	2	9	
1141	2999	3	10	
1140	3000	4	11	
1139	3001	5	12	

1 Sam. 1:20
לְתַקְפוֹת הַיָּמִים

The sacrifice of the days refers to the Passover offering since this is the one that takes place after the days of the year begin again.

אֶת־זִבְחֵ הַיָּמִים

380	104	30	10	
381	105	31	11	
382	106	32	12	
383	107	33	13	
384	108	34	14	
385	109	35	15	
386	110	36	16	
387	111	37	17	
388	112	38	18	
389	113	39	19	
390	114	40	20	
391	343	1		
392	344	2		
393	345	3		
394	346	4		
395	347	5		
396	348	6		
397	349	7		
398	350	8		
399	351	9		
400	352	10		
401	353	11		
402	354	12		
403	355	13		
404	356	14	0	
405	357	15	1	
406	358	16	2	
407	359	17	3	
408	360	18	4	
409	361	19	5	
410	362	20	6	
411	363	21	7	
412	364	22	8	
413	365	23	9	
	366	24	10	
	367	25	11	
	368	26	12	
	369	27	13	
	370	28	14	
	371	29	15	
420	372	30	16	
421	373	31	17	
422	374	32	18	
423	375	33	19	
424	376	34	20	
425	377	35	21	
426	378	36	22	
427	379	37	23	

Samson collapses the Philistine Temple on the lords of the Philistines.

Then his brethren and all the house of his father came down, and took him, and brought him up, and buried him between Zorah and Eshtai in the buryingplace of Manoah his father. And he judged Israel twenty years. Judges 16:31.

Philistines withdraw from Israelite uplands. Eli Yahweh saved them all the days of the judges.

And when Yahweh raised them up judges, then Yahweh was with the judge, and delivered them out of the hand of their enemies all the days of the judge: for it repented Yahweh because of their groanings by reason of them that op-pressed them and vexed them. Judges 2:18.

Why do I cite Judges 2:18? Because those who do not understand I Kings 6:1 try to overlap Eli with an op-pression to shorten the time span!

yr 3, II shemu 20 = LD2; 27 Mar, 1168 = LD2, a 25 year translation from 1143: DB 32, Hornung, Krauss, Warburton: Ancient Egyptian Chronology, pg. 416.

Hannah's vow on Shavuot, Sivan 5, 2976 (June 15, 1164 BC)

Hannah conceives Shoshannim 1 (month IV), July 10, 1164 (new moon day). Hannah's prayer was answered on her next cycle.

Ostrakon IFAO 1425 Janssen 1978, pp. 45-46 a 9th year: Ventura

The time from conception to birth was 266 days based on similar circumstances for Messiah's birth.

266 days

Samuel is born "at the great circuit of days," just as the sun is setting and just before the new moon is sighted, for 1 Aviv 2977, April 1, 1163 BC (1 Sam. 1:20).

Hannah had requested to stay home until Samuel is weaned. Her husband goes to the sacrifice of the days (1 Sam. 1:21).

Probable weaning date.

The prophet visits Eli and rebukes him.

Period for vision of the Messenger of Yahweh.

Boaz and Ruth

Approx time of the book of Ruth. (also according to Josephus).

In Hebrew the word *tequfah* means a circuit in the sense of the total path, and in the sense of coming round to a defined point on a path, as in making a circuit. *Yamim* in Hebrew means days, and the word *tequfot* in Hebrew is plural, such that the meaning is either circuits of the days or great circuit of the days. Every day the sun makes a circuit in the heavens, but this circuit varies over a period of 365 or 366 days until it repeats again. This annual repeating pattern is the great circuit of days. More specifically, the point at which this great circuit begins and ends defines the year, and that point is the end (*qstah*) of heaven, which is a word used to refer to precise East, West, North, and South. The sun only passes the East and West *qstot* twice a year in spring and fall. One can arrive only at the spring *tequfah* in an interval of 9 months from Shavuot. The other feasts plus nine months do not end at either east or west *tequfah* dates. This means that the west *tequfah* defines the beginning of the great circuit of days, or the beginning of the year. It should be noted that most calendar terms dealing with the year in Hebrew are translated incorrectly in English versions.

Then it takes place at the great circuit of the days. And Hannah had conceived. Then she bears a son. (1 Sam. 1:20) A waw remote is inferred from the context in the underlined text on the evidence that the prayer was quickly answered. Cf. Gen. 2:19, and repeated use in Gen. 5. Waw remote = *uwattahar Hannah*. Once Samuel's relative age is determined at other places in his life, this date remains as the ideal choice. (Note, my initial estimate was only three years before this).

3	92	12	82	62	06	
Rameses III						
31						
1						
2						
3						
4						
5						
6						
Rameses IV						
1						
2						
3						
4						
1	10					
2						
3						
4						
Rameses V						
1						
2						
3						
4						
5						
6						
7						
8						
Rameses VI						
1						
2						
3						
4						
5						
6						
Rameses VII						
1						
2						
3						
4						
5						
6						
R. VIII						
1						
2						
3						
4						
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6						
Rameses IX						
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15						

1139	3001	6	13
1138	3002	7	14
1137	3003	1	15
1136	3004	2	16
1135	3005	3	17
1134	3006	4	18
1133	3007	5	19
1132	3008	6	20
1131	3009	7	21
1130	3010	1	22
1129	3011	2	23
1128	3012	3	24
1127	3013	4	25
1126	3014	5	26
1125	3015	6	27
1124	3016	7	28
1123	3017	1	29
1122	3018	2	30
1121	3019	3	31
1120	3020	4	32
1119	3021	5	33
1118	3022	6	34
1117	3023	7	35
1116	3024	1	36
1115	3025	2	37
1114	3026	3	38
1113	3027	4	39
1112	3028	5	40
1111	3029	6	41
1110	3030	7	42
1109	3031	1	43
1108	3032	2	44
1107	3033	3	45
1106	3034	4	46
1105	3035	5	47
1104	3036	6	48
1103			

Josephus: 40 years

Shiloh Destroyed

And after that he gave unto them judges about the space of four hundred and fifty years, until Samuel the prophet. Acts 13:20.

The years of Samuel's judgeship are not stated in Scripture. However the sum of years by reckoning 480 years out of bondage, and 134 years in bondage to Solomon's 4th year is 614. The precise adjustment of the 450 year block from the first servitude to Samuel must be adjusted so that only 22 Sabbath years are not observed during the oppressions. There are two possible solutions. One must be ruled out because it provides insufficient space for events between Joshua's death and the first oppression. The result is 14 years for Samuel and 20 years for the Elders period.

Josephus: 12 years

Yahweh delivered them out of the hand of their enemies all the days of the judge: Judges 2:18.

428	380	24
429	381	25
430	382	26
431	115	1
432	116	2
433	117	3
434	118	4
435	119	5
436	120	6
437	121	7
438	122	8
439	123	9
440	124	10
441	125	11
442	126	12
443	127	13
444	128	14
445	129	15
446	130	16
447	131	17
448	132	18
449	133	19
450	134	20
451	383	1
452	384	2
453	385	3
454	386	4
455	387	5
456	388	6
457	389	7
458	390	8
459	391	9
460	392	10
461	393	11
462	394	12
463	395	13
464	396	14

Epoch change

Life of Samuel, ideal dating

Acts 13:20

Philistines II

Philistines II

Samuel's judgeship

Life of Samuel, ideal dating

Jonathan's est. age

Yahweh delivered them out of the hand of their enemies all the days of the judge: Judges 2:18.

And it came to pass, when he made mention of the ark of God, that he fell from off the seat backward by the side of the gate, and his neck brake, and he died: for he was an old man, and heavy. And he had judged Israel forty years. 1 Sam. 4:18

And it came to pass, while the ark abode in Kirjathjearim, that the time was long; for it was twenty years: and all the house of Israel lamented after Yahweh. 1 Sam. 7:2

Philistines II

Josephus omitted these 20 years when he published his 592 year span from the Exodus to the building of the Temple in book 8 of Antiquities (8.3.1), but he corrects his oversight in his later publication of book 20.10.1 [230], and in his final work Against Apion 2.19, for 612 years. I discovered these 20 years must be included before knowing about Josephus' numbers because they are in the 1 Sam. 7:2 text, and are necessary for completing the 390 years for the sin of Israel. Josephus computations show that 1 Kings 6:1 in the MT must be understood as not including years in the house of bondage. Martin Anstey's Ptolemaic date of the Exodus at 1612 BC in the *Romance*, similarly lacks these 20 years, which when recognized place the Exodus in 1632 BC.

Samuel

The hand of Yahweh was against the Philistines all the days of Samuel.

Samuel made his sons judges

The LXX deletes the 1 Samuel 13:1 verse entirely (see below for MT explanation. The tendency of the editors of the Hebrew vorlag of the LXX, which was established in Egypt at an earlier date than the LXX itself, was to harmonize difficult texts. Rather than preserving the text they had, they sought to make texts understandable to them which they did not understand. In this case they Hebrew vorlag in Egypt already had the text deleted, or they deleted it when making the LXX. Eventually, this sort of humanistic treatment of the text is bound to go wrong, and the true explanation of the Hebrew text exposes the LXX's error. The Spirit of the Most High caused parables to be put into the Scriptures, including chronological riddles (e.g. Daniel's Prophetic Numbers) so that at the end such rationalistic changes to Scripture could be exposed, and we would know which texts were really Scripture.

The people ask for a king.

The lost donkeys

Saul is anointed to be king

Samuel summons the people to Mitspah

Defeat at Eben-ezer
Ark captured ~ VL30
Ark returned ~ L29
50,070 men struck dead
שבעים איש חמשים אלף איש
Ark sent to Qiryat Ye'arim

Israel laments after Yahweh
Then they turned away from the Ashtaroth and served Yahweh only
Samuel is elected Judge
Victory at Mitspah

yr 22, II smw 22 = LD1
3/15/1110 (-1109) = LD1

report of Wenamun

Begin XXI
Tanite Kings

report of Wenamun

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report of Wenam

1109	3037	7	49
1102	3038		Lev. 25:9
1101	3039	1	1/50
1100	3040	2	2
1099	3041	3	3
1098	3042	4	4
1097	3043	5	5
1096	3044	6	6
1095	3045	7	7
1094	3046	1	8
1093	3047	2	9
1092	3048	3	10
1091	3049	4	11
1090	3050	5	12
1089	3051	6	13
1088	3052	7	14
1087	3053	1	15
1086	3054	2	16
1085	3055	3	17
1084	3056	4	18
1083	3057	5	19
1082	3058	6	20
1081	3059	7	21
1080	3060	1	22
1079	3061	2	23
1078	3062	3	24
1077	3063	4	25
1076	3064	5	26
1075	3065	6	27
1074	3066	7	28
1073	3067	1	29
1072	3068	2	30
1071	3069	3	31
1070	3070	4	32

And afterward they desired a king: and God gave unto them Saul the son of Cis, a man of the tribe of Benjamin, by the space of forty years. Acts 13:21.

King No. 1 Saul
son of Kish
Jubilee Text
15Sam 13:1-3

This is the 491st year from when Israel entered the land, counting from the first sowing season, in the autumn of 1592 BC.

David born

0
1
David's Age
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23

60	T1
397	1 Saul
61	
398	2
62	
399	3
400	4
401	5
402	6
403	7
404	8
405	9
406	10
407	11
408	12
409	13
410	14
411	15
412	16
413	17
414	18
415	19
416	20
417	21
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421	25
422	26
423	27
424	28
425	29
426	30
427	31
428	32
429	33
430	34

- Saul is confirmed king
- Nahash the Ammonite lays siege to Jabesh Gilead
- Saul musters 330,000 men
- The Ammonites are routed
- The Kingdom is renewed at Gilgal.
- A standing army of 3000
- Saul blows the Jubilee Trumpet
- The Philistines muster for all out war
- Saul disobeys Yahweh.
- Jonathan's Victory

A son of a year Shaul be in his reigning, and two years he had reigned over Israel. 1 Sam. 13:1.

Saul was a son of a year in his reigning (במלכי) when he blew the trumpet. 1Sam. 13:1-3. This was the jubilee trumpet. Also, Saul's reign was 40 years because, *A son of forty years was Ish-bosheth son of Saul in his reign over Israel.* 1Sam. 2:10. This cipher is like the Ahaziah cipher and the Jehoiahcin cipher, and also like the 390 year cipher and the 35th year of Asa cipher.

The passages 1 Sam. 13:1 and 2 Sam. 2:10 are coordinated with the same grammar and syntax to give us a distance measure in the respective reigns of Saul and Ish-bosheth.

A Sha'arim (two-gates) is probably the archaeological site of Kirbet Qeiyafa. When David killed Goliath, the Philistine army fled past this Judean fortress falling dead in the way of Sha'arim (1 Samuel 17:52). The fortress was only used for a short time (cf. 1 Chronicles 4:27-31). Carbon 14 dates of this site agree with the chronology, so long as we do not apply Bayesian adjustments to the C14 dates based on the low chronology of Thiele.

David first won the hearts of Israel by slaying Goliath. Forty years later Absalom stole their hearts from him. The placement of this sub-chronology is not exactly known. However, David was a lad just under military age, say 16-19 years old. Here I have guessed he was 18. So the sub-chronology is within a few years.

Age of David at left

→David slays Goliath

David misses new moon feast, Thu Apr 13 and Fri Apr 14; flees Sabbath Apr 15; receives bread 3 Aviv. 1069 BC, next page. *Astronomical Synchronism.*

1	A year
2	son of a year
3	
4	
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Sha arim

Manetho-Africanus

Berlin 23673 order of this king list less likely

12	
13	
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39	
40	

Smemdes, LE, sole reign

Pinedjem I, Pharaoh of upper Egypt

Enthorped in a sarcophagus made of solid silver, which was 1.5 to 2 times the value of gold at the time in Egypt.

HPA Pinedjem

Maschorta HPA

Djed

Menkheperre HPA

Marud-ah-he-er-ta

6 months BM 33332

10	2
11	3 Shamsht-adad IV
12	4
13	1
14	2
15	3 Assurnasirpal I
16	4
17	5
18	6
19	7
20	8
21	9
22	10
23	11
24	12
25	13
26	14
27	15
28	16
29	17
30	18
31	19
32	20
33	21
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35	23
36	24
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39	27
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42	30
43	31
44	32
45	33
46	34
47	35
48	36
49	37
50	38
51	39
52	40
53	41
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103	91
104	92
105	93
106	94
107	95
108	96
109	97
110	98
111	99
112	100

BM 33332

Salmaneser II

Nabû-šum-iṣṣin

BM 33332

1069	3071	5	33
1068	3072	6	34
1067	3073	7	35
1066	3074	1	36
1065	3075	2	37
1064	3076	3	38
1063	3077	4	39
1062	3078	5	40
1061	3079	6	41
1060	3080	7	42
1059	3081	1	43
1058	3082	2	44
1057	3083	3	45
1056	3084	4	46
1055	3085	5	47
1054	3086	6	48
1053	3087	7	49
1052	3088	Jubilee	Lev. 25:9 1/50
1051	3089	2	2
1050	3090	3	3
1049	3091	4	4
1048	3092	5	5
1047	3093	6	6
1046	3094	7	7
1045	3095	1	8
1044	3096	2	9
1043	3097	3	10
1042	3098	4	11
1041	3099	5	12
1040	3100	6	13
1039	3101	7	14
1038	3102	1	15
1037	3103	2	16
1036	3104	3	17
1035	3105	4	18
1034	3106	5	19
1033	3107	6	20
1032	3108	7	21
1031	3109	1	22

David misses new moon feast, Thu Apr 13 and Fri Apr 14; flees Sabbath Apr 15; receives bread 3 Aviv. 1069 BC. Astronomical Synchronism.

David's Age	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
1 solar year and 4 new moons. 1 Sam 27:7: 3/30 equinox.																															
מספר הימים 1 year 4 new moons																															
T3a 1																															
David in Hebron																															
2																															
3																															
4																															
5																															
6																															
7																															
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Jubilee Text																															
David's Age																															
0																															
1																															
2																															
3																															
4																															
5																															
6																															
7																															
Solomon's Age est.																															
12																															
13																															

430	34	94	Samuel's age	46	age of Jon	600	1800	1900	1960	1980	1990	1995	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	29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1028	3112	4	25
1027	3113	5	26
1026	3114	6	27
1025	3115	7	28
1024	3116	1	29
1023	3117	2	30
1022	3118	3	31
1021	3119	4	32
1020	3120	5	33
	613		
1019	3121	6	34
	SE XII.29		
1018	3122	7	35
1017	3123	1	36
1016	3124	2	37
1015	3125	3	38
1014	3126	4	39
1013	3127	5	40
1012	3128	6	41
1011	3129	7	42
1010	3130	1	43
1009	3131	2	44
1008	3132	3	45
1007	3133	4	46
1006	3134	5	47
1005	3135	6	48
1004	3136	7	49
1003	3137	1	1/50
1002	3138	2	2
1001	3139	3	3
1000	3140	4	4
999	3141	5	5
998	3142	6	6
997	3143	7	7
996	3144	1	8
995	3145	2	9
994	3146	3	10
993	3147	4	11
992	3148	5	12
991	3149	6	13
990	3150	7	14
989	3151	1	15
988	3152	2	16

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470	34	27
471	35	28
472	36	29
473	37	30
474	38	31
475	39	32
476	40	33
477	1	T4
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7 years famine option

A In the 480th year out of bondage, but year 382 was a 1/2 year, and year 480 is a 1/2 year. Thus total years out of bondage 479, plus 134 years in bondage, equals 613 years total. See 3120 at left. Josephus calculated 612. The correct enumerated figure is 614, 613 being the real time. Josephus' initial number 592 (Ant 8.3.1) is substantially corrected in Ant 20.10.1 [230], and in his final work Against Apion 2.19, both 612 years, by adding the 20 year time after Eli died to 592. See Philistines II above, just after Eli. (Enumeration counts part years with whole numbers. Thus 614 enumerated years, but 613 completed equinoctial years elapsed from the Exodus to the Temple.

No. 4: IK 1:1-11:43.

Solomon son of David

And it came to pass in the four hundred and eightieth year of the going out of the sons of Israel from the land of Egypt, in the fourth year of Solomon's reign over Israel, in the month Zif, which is the second new moon day, that he began to build the house of Yahweh. 1 Kings 6:1. *Cipher for passover celebrations and non-bondage years. "Out of the land of Egypt" means "out of the land of bondage," when Israel was held in bondage on its own land. 134 years Israel was in servitude to enemies. 480 years Israel was free of servitude, spiritually free of Egypt (cf. Rev. 11:8). The total years by enumeration is 614, but actually 613 due to a 1/2 epoch shift to Tishri, and being only 1/2 way through year 480 here.*

And he began to build in the second day of the second month, in the fourth year of his reign. 2 Chron. 3:2. *This text is an astronomical synchronism. 5/1/1019 BC was the first day of the week according to calculations.*

The synchronisms given in respect to building the Temple are sufficient to prove that Solomon's reign years were computed with a Tishri epoch.

And in the eleventh year, in the month Bul, which is the eighth month, was the house finished throughout all the parts thereof, and according to all the fashion of it. So was he seven years in building it. 1 Kings 6:38.

Ark installed in Temple, 1 Ethanim (1st day of week);

Regular priestly rotations begin Oct. 13 at noon on the Sabbath and rotate continuously on a cycle of 24 weeks thereafter.

The accounts of 1 Kings 8 and 2 Chronicles 5-7 have to be read together very carefully to see two feasts were back to back. The first was for 14 days starting on Tishri 1. The second was Tabernacles. On the second week of the month, division 1 began to serve. The first day of the 7th month came on the first day of the week in this year. *This is another astronomical synchronism.*

Solomon's trade networks and tax collection brought in 25 tons of gold a year. He made silver as common as stones in Jerusalem, trading as far away as India (Ophir). Solomon's monetary leverage allowed him to grow fabulously rich by serving as the middle man between Egypt and the Neo Hittite kingdoms.

And it came to pass at the end of twenty years, when Solomon had built the two houses, the house of Yahweh, and the king's house. 1 Kings 9:10.

yr 14, IIII smw 5
4/3/1014, LD2
Induction

son of 2 Osorechor
yr 17, I smw [23]
1/20/1010, LD1
Induction

Manetho's 9 years
lost a 10 digit.

Yr 11, I smw 13 =
1/7/998 = LD1
Induction

Karnak Priestly Annals
Induction LD1
III prt 10-19, year 13
=Nov 4 to 13
LD1 = Nov 6, 996 BC

Africanus 1[4] years
Eusebius [3]5 years
= 15 years

Begin XXII

The Large Dakhla stela records an inheritance dispute referencing the 19th year of Psusennes I, settling it in the 5th year of Shoshenq I. A wrsh feast on IV Peret day 25, year 5, lines up with 12/17/989 BC, Lunar day 0. The term wrsh is understood as meaning "watch," and referring to the days of lunar invisibility upon which the Egyptian priestly phyles rotated their watches, and when Egyptian astronomers watched for the new crescent.

Mar-biti-apla-usur	3	34
per Manetho	4	35
Pharaoh Siamun smites Gezer. The Tanis Temple relief depicts Siamun smiting Asiatic captives, holding what could be a Philistine style weapon. Radiocarbon analysis dates Gezer Stratum 10A destruction to 1080-1021 BCE (1 to 1 Kings 9:16.	5	36
Osorechor	10	37
Siamun	2	38
Siamun	3	39
Siamun	4	40
Siamun	5	41
Siamun	6	1
Siamun	7	2
Siamun	8	
Siamun	9	
Siamun	10	
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Siamun	50	

Dynasty of E

Aššur-reš-iši II

Iron Age I

Iron Age II

Matters depend on dead reckoning upwards from the 809 BC eclipse in Assyria.

Ninurta-kudurri-usur II

Syncellus (Old Chronicle): XXI Dyn. 121 yrs.

