

Table 7E
HYPOTHETICAL CYCLES OF CATASTROPHES - POST-EXODUS

See the notes below the table before examining the table itself.

Potential Contact		430 yrs starts w/promise (Abraham @ 75) = Abs. 2083 , Messiah born = 2 BC		Abs. BC		Venus		Mars		
No.	Event					Abs.	BC	Abs.	BC	AUC
	Creation		0			0	= ####			
B-01	VENUS CONTACT 2 - MOSES DISTURBANCE - Exodus, Moses.	80	2513					2513 = 1464		
	Moses died @ 120, Conquest @ 0	120	0			####	= ####			
B-02	VENUS CONTACT 3 - JOSHUA DISTURBANCE - Battle @ Beth Horon,		11					2564 = 1413		
B-03	VENUS THREAT							2614 = 1363		
B-04	VENUS THREAT							2665 = 1312		
	Shamgar judgeship began	0				####				
	Shamgar's judgeship ended and Deborah's judgeship began	9	0							
B-05	VENUS CONTACT 4 - DEBORAH DISTURBANCE - Earth trembled, stars fought							2716 = 1261		
	Deborah's judgeship ended		31			####	= ####			
B-06	VENUS THREAT							2767 = 1210		
B-07	VENUS THREAT							2817 = 1160		
B-08	VENUS THREAT							2868 = 1109		
	2nd Phillistine Oppression began	0				####	= ####			
	Samuel became High Priest, Battle of Mizpah, 2nd P.O. @	20				####	= ####			
B-09	VENUS CONTACT 5 - SAMUEL DISTURBANCE - Meteorites disc	35						2919 = 1058		
	2nd Phillistine Oppression ended	40				####	= ####			
	Saul's reign began (est)		0			####	= ####			
	Saul's reign @ 20 (est) = David's reign began	0	20			####	= ####			
B-10	VENUS CONTACT 6 - DAVID DISTURBANCE - Jerusalem almost	20						2969 = 1008		
	David's reign @ 40 = Solomon's reign began	40	0			####	= 988			
B-11	VENUS CONTACT 7 & MARS CONTACT 1 = COSMIC BATTLE 1 - SOLOMON DISTURBANCE		9					3020 = 957	3020 = 957	
	Solomon's reign @ 40	40						3029 = 948	Periodv 14.49	

Reign of Venus

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				Abs.	BC	Abs.	BC	AUC
B-12	MARS THREAT?					3035	=	942
B-13	MARS THREAT?					3049	=	928
B-14	MARS THREAT?					3064	=	913
B-15	VENUS THREAT			3071	=	906		
B-16	MARS THREAT?					3078	=	899
B-17	MARS THREAT?					3093	=	884
B-18	MARS THREAT?					3107	=	870
B-19	VENUS COTACT 8 & MARS CONTACT 2 = COSMIC BATTLE 2 - JEHORAM DISTURBANCE - Cause of (a) affliction during Akhnaton's reign and (b) a shortening of the day in the time of Atreus & Thyestes.			3122	=	855		3122 = 855
B-20	MARS THREAT?					3136	=	841
B-21	MARS THREAT?					3151	=	826
B-22	MARS THREAT?					3165	=	812
B-23	VENUS THREAT			3172	=	805		
B-24	MARS THREAT?					3180	=	797
B-25	MARS THREAT? Amaziah @ 29 = Uzziah @ 0 (1st Olympiad = 777 BC)	0		####	=	778		3194 = 783
B-26	MARS THREAT?	10				3209	=	768

Battles in the Sky

Ovid's Iron Age

Era of Turbulence

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No.	Event	Abs.	BC	Venus		Mars			Reign of Mars	Archaic Period - Part 1	
				Abs.	BC	Abs.	BC	AUC			
B-27	VENUS CONTACT 9 & MARS CONTACT 3 = COSMIC BATTLE 3 - AZARIAH DISTURBANCE - Mars won, "Raash" THROUGHOUT Middle East, Rome founded	24		3223 = 754	3223 = 754	3223 = 754 = 1				###	###
	<i>Era of Nabonssar started</i>	30		#### = 748		Periodv ####					
B-28	MARS THREAT <i>Uzziah @ 52 = Jotham @ 0</i>	39		#### = 726		3238 = 739 = 16					
B-29	MARS THREAT	52	0	#### = 726		3253 = 724 = 31					
B-30	MARS THREAT - contact?, Jotham @ 16 = Ahaz 0		2	#### = 710		3268 = 710 = 46					
B-31	MARS CONTACT 4 - AHAZ DISTURBANCE - Day was shortened when sun's shadow on sundial moved forward by 10 <i>Ahaz @ 16 = Hezekiah @ 0</i>	0	16	3267 = 710		3268 = 710 = 46					
B-32	MARS CONTACT 5 - 1ST HEZEKIAH DISTURBANCE - Day was lengthened when sun's shadow on sundial moved backward,	15		#### = 694		3282 = 695 = 60					
B-33	MARS CONTACT 6 - 2ND HEZEKIAH DISTURBANCE - Blast destroyed Sennacherib's army, Hezekiah @	16	0	#### = 694		3297 = 680 = 75					
			14	3297 = 680		3297 = 680 = 75					
			29	3312 = 665		3312 = 665 = 90			89	89	###
	<i>Messiah born</i>			#### = 2		#### 2 753					

Notes

1. Immanuel Velikovsky maintained that the period from the Flood of Noah to Hezekiah's regnal year 29 was filled with terrestrial cataclysms which were caused by extraterrestrial events involving the heavenly bodies called Mercury, Venus, Mars, Jupiter, and Saturn. The most severe of these events were (a) the Flood of Noah and (b) the cataclysm which terminated the Middle Kingdom of Egypt and precipitated the Exodus of the Jews. Velikovsky maintained that the period between the latter event and Hezekiah's regnal year 29, which I call the Era of Cosmic Turmoil, was punctuated by several cosmic catastrophes, which Velikovsky identified, but for he which did not provide specific dates.

B-01 #### BC ◀ |
c.145 BC ◀ ▶ The Exodus Catastrophe in the time of Moses - Velikovsky attributed these events to a cosmic encounter. Following the explosion of Saturn,

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				Abs.	BC	Abs.	BC	AUC

Jupiter began accumulating the debris which had been ejected by Saturn throughout the solar system. As a consequence of its continually increasing mass, Jupiter became unstable and broke into two unequal pieces: the larger portion remained in a planetary orbit about the sun and is the Jupiter which we see today; the smaller portion, which we now call Venus, entered into a cometary orbit about the sun which intersected the orbit of the earth. In the middle of the fifteenth century BC, it nearly collided with the earth, and the resulting upheaval terminated the Middle Kingdom of Egypt and precipitated the Exodus of the Jews.

B-02 ##### BC
 c.139 BC

▶ The Long Day Catastrophe in the time of Joshua, when the sun stood still in the sky during the battle at Beth Horon - Velikovsky attributed this event to another cosmic encounter - specifically to another encounter between the earth and the comet Venus. The Book of Joshua describes the following sequence of events: the death of Moses, the crossing of the River Jordan, the Battle of Jericho, the first Battle of Ai, the punishment of Achan and his family, the second Battle of Ai, the peace treaty with the Gibeonites, and then the Battle of Beth Horon, during which the sun stood still in the sky. According to the scriptures, Moses was 80 years old when he led the exodus from Egypt (Exodus 7:7), he was 120 years old when he died (Deuteronomy 34:7), and the crossing of the Jourdan occurred immediately after Moses's death. Thus Joshua entered Canaan 40 years after the Exodus.

Although the scriptures do not indicate how much time elapsed from the crossing of the Jordan to the Battle of Beth Horon, Velikovsky suggested that "twelve years may well have passed" between the entry into Canaan and the Battle of Beth Heron, which would indicate that 52 years lapsed between the comet's first and second encounters with the earth.

B-05 ##### BC
 ?

▶ The Catastrophe in the time of Deborah, when a star battled against the army of Sisera - Velikovsky only mentioned this event in passing when he noted that the Song of Deborah says that "The earth trembled, the heavens dropped,...the mountains melted."

B-10 ##### BC
 ?

▶ The Jerusalem Catastrophe in the time of David - Velikovsky only mentioned this event in passing when he noted that (a) "...in the days of David, a comet appeared in the form of a human being 'between the earth and the heaven, having a drawn sword in his hand stretched out over Jerusalem'" (W-in-C, p. 261-262) and (b) "in the time of David,...a comet, which bore the appearance of a man with a sword, was seen in the sky" (W-in-C, p. 290)

B-27 754 BC
 747 BC

▶ The Commotion in the days of Uzziah -

B-31 717 BC
 695 BC

▶ The shortened day in Ahaz 15 -

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				Abs.	BC	Abs.	BC	AUC
B-32	702 BC ◀ ▶ 680 BC ◀							
	<u>The lengthened day in Hezekiah 14 -</u>							
B-33	687 BC ◀ ▶ 665 BC ◀							
	<u>The Destruction of the Army of Sennacherib in Hezekiah 29 -</u>							
2. <u>Donald W. Patten</u> also maintained that the period from the Flood of Noah to Hezekiah's regnal year 29 was filled with cataclysms, but he differed with Velikovsky concerning the cause of these events, which he believed was Mars exclusively. Patten produced an astronomical model of Mars's movements during this period that (a) produced close encounters between the earth and Mars roughly every 54 years and (b) yielded the following dates for these encounters during the Era of Cosmic								
B-01	#### BC ◀ #### BC ◀ ▶							
	<u>The Exodus Catastrophe -</u>							
B-02	#### BC ◀ #### BC ◀ ▶							
	<u>The Long Day Joshua</u> , when the sun stood still in the sky during the Battle at Beth Horon.							
B-04	#### BC #### BC							
	Possible threat							
B-05	#### BC ◀ #### BC ◀ ▶							
	<u>The Deborah Debacle</u> , when a star (planet) participated in the battle against the Phillistine Sisera & his army.							
B-08	#### BC #### BC							
	<u>The Samuelic Catastrophe</u> , when the Phillistine army of Sisera was "discomfitted" by a great earhtquake and thunder and lightning in the sky. Many were knocked off their feet and into chasms that appeared in the ground.							
B-09	#### BC ◀ #### BC							
	<u>The Lesser Davidic Catastrophe</u> , when the sky was filled with meteorite and bolide showers, lightning, thunder and smoke, and the earth suffered from severe earthquales and vulcanism.							
B-10	#### BC ◀ 972 BC ◀ ▶							
	<u>The Greater Davidic Catastrophe</u> , which killed 70,000 Israelites and almost destroyed Jerusalem.							
B-11	957 BC 864 BC							
	<u>The Elijah Catastrophe</u> , when the sky was filled with meteorite and bolide showers, lightning, thunder and smoke, and the earth suffered from severe earthquales and vulcanism.							
	756 BC							
	<u>The Joel Amos Catastrophe</u> , when the sky was filled with meteorite and bolide showers, lightning, thunder and smoke, and the earth suffered from severe earthquales and vulcanism.							

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701 BC ◀▶ The Isaiahic Catastrophe, which destroyed the Assyrian army of Sennacherib.
B-33 665 BC ◀

3. JH - I find persuasive Velikovsky's explanation for (a) the ancients' obsession with the movements of the planets, (b) the ancients' worship of the planets as deities, and (c) the ancients' stories concerning the origins of and interactions among Mercury, Venus, Mars, Jupiter, and Saturn. I think the disorder in the solar system from c. 2321 BC to 655 BC was far more complex than Patten allows. Nonetheless, Patten's analysis led me to search for periodicities in the phenomena which are described in the Bible.

According to Bible chronology, the dates for (a) the Exodus of the Jews from Egypt, (b) Ahaz 15/16, (c) Hezekiah 14, and Hezekiah 29 can be identified as (a) 1464 BC, (b) 695 BC, (c) 680 BC, and (d) 665 BC respectively. If one assumes a periodicity to Venus's movements of 50.71 years going forward in time from 1447 BC, close encounters occur in 1413 BC (Joshua's time), 1261 BC (Deborah's time), 1056 BC (Samuel's time), 1008 BC (David's time), and 754 BC (Uzziah's time). If one assumes a periodicity for Mars's movements of roughly 14.5 years going backward in time from 665 BC, close encounters occur in 680 BC (Hezekiah 14), 695 BC (Ahaz 15/16), 754 BC (Uzziah's time). In addition, the period's intersect at three points - 957 BC, 805 BC, and 754 BC (the Commotion in the Days of Uzziah - which would be the likely occasions for the Battles in the Sky that are described in The Iliad by Homer.

B-01 ##### BC The Exodus Catastrophe in the time of Moses-

B-02 ##### BC The Joshua Catastrophe, when the day was lengthened and the sun stood still in the sky - The Book of Joshua describes the following sequence of events: the death of Moses, the crossing of the River Jordan, the Battle of Jericho, the first Battle of Ai, the punishment of Achan and his family, the second Battle of Ai, the peace treaty with the Gibeonites, and then the Battle of Beth Horon. Moses was 80 years old when he led the exodus from Egypt (Exodus 7:7), and he was 120 years old when he died (Deuteronomy 34:7). The exodus occurred in 1464 BC, so Moses's death occurred in 1424 BC, and the crossing of the Jordan occurred immediately thereafter - undoubtedly in the same year.

The scriptures do not indicate, however, how much time elapsed from the Crossing of the Jordan to the Battle of Beth Horon. The pace of the narrative in the Book of Joshua suggests a period of about a year, but it could have been longer. I believe that there are two reasonable possibilities: the Battle of Beth Horon occurred either (1) c. 1413 BC (i.e. 51 years after the Exodus), thereby conforming to the indications that the comet threatened the earth every 50-52 years, or (2) c. 1423 BC (i.e. 41 years after the Exodus), thereby conforming to the pace of the narrative in the Book of Joshua. THIS SPREADSHEET IS BASED ON THE FIRST ALTERNATIVE.

B-05 ##### BC The Deborah Catastrophe - Shamgar's judgeship began in 1270 BC, and Deborah's judgeship ended with her death in 1230 BC, but the date of the transition between their judgeships is not known. If this date was 1261 BC, Shamgar would have judged 9 years; Deborah, 31 years - a reasonable apportionment of the 40 years of rest. A date of 1261 BC for this event would be reasonable.

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B-09	#### BC	<u>The Samuel Catastrophe</u> - The 2nd Amonite/Phillistine Oppression began in 1093 BC and ended in 1053 BC. Samuel's judgeship began in 1073 BC and ended with his death in 1030 BC. The Samuel Catastrophe occurred during both spans of time - or sometime between 1073 BC and 1053 BC. A date of 1058 BC for this event would be reasonable.								
B-10	#### BC	<u>The David Catastrophe</u> - David's reign began in 1028 BC and ended with his death in 988 BC. The killing of 70,000 Israelites and the near destruction of Jerusalem by an angel (planet) occurred during his reign. A date of 1008 BC for this event would be reasonable.								
B-11	957 BC	<u>1st Battle in the Sky</u> -								
B-19	855 BC	<u>2nd Battle in the Sky</u> -								
B-23	805 BC	<u>The Atreus & Thyestes Catastrophe</u> -								
B-27	754 BC	<u>3rd Battle in the Sky/The Uzziah Commotion</u> -								
B-31	695 BC	<u>The Ahaz 15/16 Catastrophe</u> - Ahaz's reign ended with his death in his regnal year 15/16, which occurred in 695 BC. On the day of his burial, the shadow on the sun-dial moved forward by 10 degrees, indicating that the day was shortened.								
B-32	680 BC	<u>The Hezekiah 14 Catastrophe</u> - Hezekiah's regnal year 14 occurred in 680 BC. On the day of the catastrophe, the shadow on the sun-dial moved backward by 10 degrees, indicating that the day was lengthened.								
B-33	665 BC	<u>The Hezekiah 29 Catastrophe</u> - Hezekiah's regnal year 29 occurred in 665 BC. A blast from heaven (thunderbolt) destroyed the Assyrian army of Sennacherib.								

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		BC	AUC	Abs.	BC	Abs.	BC	AUC