David (Bethlehem) star

P.A.Semi, 2014-02-12 (Author's translation from Czech original)

Planet configuration of David Star happens time by time...

We list here the most bold occurences in antiquity period, with the center on Earth or on Sun, sorted chronologically, and various events, that happened approximately in those times.

The most precise David star happened in the year 586 BC, when the jews left to the Babylonian capture. Other bold ones have been for example when king David started rule, when building the Jerusalem temple, when the Kingdom of Judah was established after split of the united monarchy, by the end of Bar Kokhba revolt and others...

The biggest area below the curve, and also the best simultaneity of this star on Earth and on Sun, happened on the year 3 BC.

At the autumn 3 BC there was the only found occurence of that star arround Sun, in which there were included all the planets. Just before christmass 3 BC there was the David star with out-standing Sun, Jupiter and Mercury, the sign, which could justly be considered by the $\mu\acute{\alpha}\gamma$ 0 from the east as the sign of the birth of Godly and magic king of Israel. If the Bethlehem star was some visible phenomenon on the sky or on the ground above Bethlehem, they would have got no reason to go asking Herod in Jerusalem first. They came to ask there, because their "stars" told them generally in the symbolic level, and so they came to ask about the particular place, which was then read out from the manuscripts. Although this does not prove, that Jesus was really born on this date (although it is probable), it proves another very interesting thing - the existence of angels or other spiritual beings, that could reveal it onto them - because in this "star" there are included all the planets including Neptune and Pluto, which neither astrologers of those times nor of the following many centuries could not "see" by their technical means.

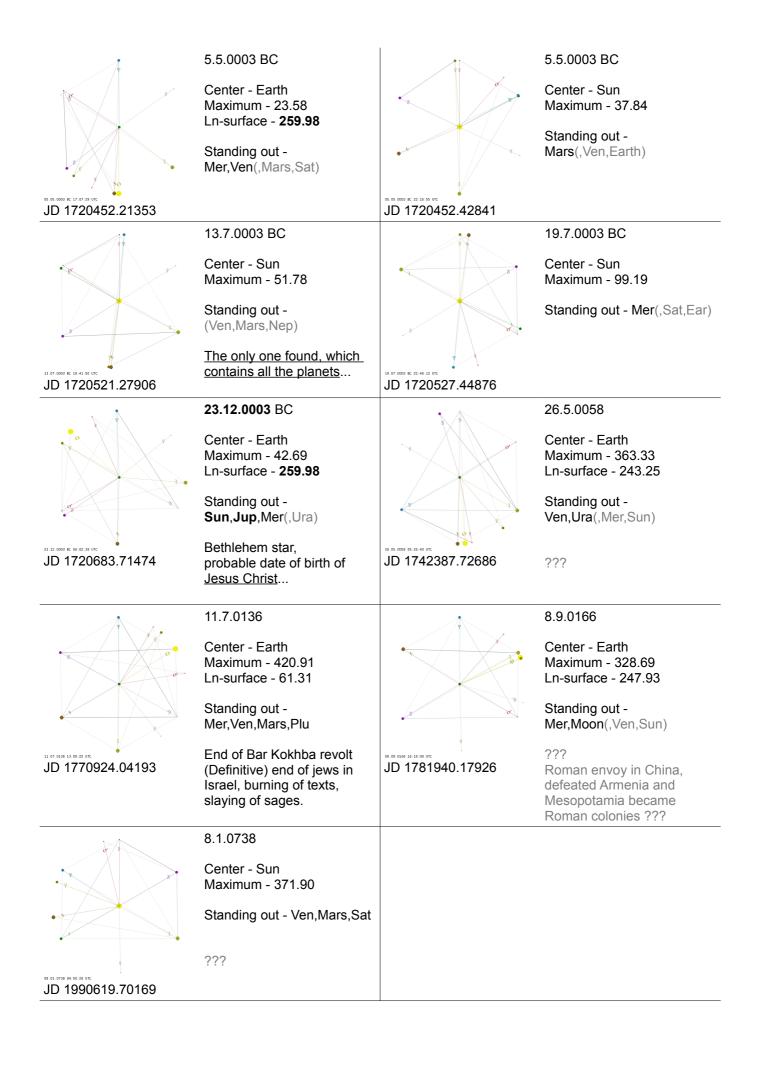
I absolutelly do <u>not</u> think, that the mentioned events happened <u>because</u> of some planetary constelations, rather they have been probably <u>set up</u> in time <u>on the occasion</u> of these constelations. After all, the most important word of the Old Testament is 7y - AD - the Witness (in the classical hebrew edition this word is the only one printed in double size letters). Similarity with the christian label A.D. is probably clearly random...

Planets, not used in the Star (marked as "standing out"), seem to specify its character.

On the following "maps" of planets, the central lines (in the color of the planet) are drawn always, and the grey lines between planets are only in the case, that there is an aspect (trine, sextile, opposition, conjunction, quadrature, quintile, biquintile or the golden angle) more precise then 1°, and a bold line if it is more precise than 0.5°.

This text is intentionally rather brief and constricts to one aspect, which can be logically deduced and probably also proved, but it could be a key, which could open the door, so that the reason will not be in opposition to belief and spiritual insight, so that they can reciprocally support each other against unconcern...

*	15.4.1066 BC	A CONTRACTOR OF THE CONTRACTOR	12.1.1006 BC
OC P	Center - Sun		Center - Earth
	Maximum - 821.5		Maximum - 135.0 Ln-surface - 100.55
•	Standing out - Earth, Sat, Nep		
		φ.	Standing out - Sun,Moon, (Ven,Ura,)
		ę	
JD 1332171.48541		JD 1353991.63360	Start of the rule of king David.
<u> </u>	10.6.0935	2	26.6.0929 BC
	Center - Earth	or or	Center - Earth
	Maximum - 452.87 Ln-surface - 29.73		Maximum - 323 Ln-surface - 36.45
•	LII-Sullace - 29.73		LII-Sullace - 30.45
· ·	Standing out - Sun,Jup ,Mars,Ura	8	Standing out - Sun,Jup ,Mars,Ura
	, •, ·	* *	•
JD 1380074.64880	Possible start of construction of the Jerusalem temple,	26.06.0929 BC 19.47:59 UTC JD 1382283.32500	Establishment of the Kingdom of Judah after split
	before the end of rule of the		of the united monarchy.
	king Salomon ???		
	11.11.0687 BC	73	16.10.0669 BC
	Center - Sun		Center - Earth
	Maximum - 1657.5		Maximum - 1675.8 Ln-surface - 27.78
	Standing out - Sat, $Ura(,Ven)$		Chanding out
3	King Manasseh starts to rule	8	Standing out - Sun,Nep,Mer,Mars
The state of the s	(he re-instituted pagan worship)	ę	Manasseh fights side by side
JD 1470810.93563	worship)	JD 1477359.92618	with Assyria (Ashurbanipal)
	12.9.0586 BC		20.5.0439 BC
	Center - Earth		Center - Earth
	Maximum - 4501.4 Ln-surface - 40.39		Maximum - 214.7 Ln-surface - 97.25
	Standing out - Sun,Ven,Nep,Plu	4	Standing out - Mer,Mars(,Ura,Sun)
	·	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	,
12.09.0996 BC 16:13:09 UTC JD 1507641.17580	(absolutely most precise David star)	20.05.0439 BC 01:52:52 UTC JD 1561217.57839	Finished construction of the Parthenon, located on
	,		Athens' Acropolis?
	Destruction of the first Temple, <u>Babylonian capture</u>		Democritus discoveres atoms?
	of the Jews		
	1.4.0350 BC		12.10.0032 BC
8	Center - Sun	R // 30	Center - Earth
	Maximum - 755.09		Maximum - 83.49 Ln-surface - 158.84
	Standing out - Earth, Ven, Plu		
	Aristoteles discoveres		Standing out - Sun,Mer,Mars,Nep
, X Q	sphericity of the Earth, Plato		·
01.04.0350 BC 19:34:10 UTC	proposes the geocentric	JD 1710019.85776	???
JD 1593676.31540	model	02 11 100 10:001 10	



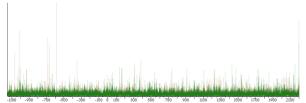
Mathematical definition

Mathematical function for searching the David stars in the planet configurations arround the center C at time t is defined such, the when placing one planet to the apex of the star, the function returns inverse of the sum of squares of differences (in radians) of the nearest planet from the respective apex of the star. That combination (first apex) is selected, which gives the maximal value.

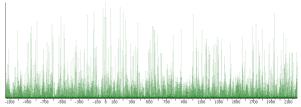
$$\text{Maximum} = \frac{1}{\Delta \bigotimes_{C t}} = \frac{1}{\sum_{(\forall \uparrow)} \alpha^2}$$

Ln-surface below the curve is defined as a sum of daily values of the natural logarithm of the square roots of the noon value of $1/\Delta \diamondsuit_{Ct}$ (inverted David star difference), or possibly the maximal value of that day, if there is a local maximum of the function in this day, during the period, when this logarithm is positive.

Owing to the displayed period, all dates are marked in the proleptic julian calendary (in the table near the end there is used the Gregorian calendary after the year 1582). For the case of uncertainty there is marked also the JD(Julian Day) value. If there is a contradiction of the JD and date, the JD value is more precise...



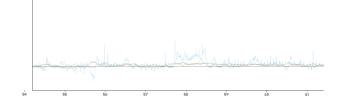
Function of the square root of the "value" of the David star in the recent history. Green color is for the center on Earth, orange for the center on Sun. On this image, the maximum values are visible.

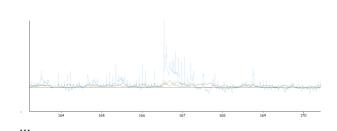


Integrated surface below the curve of the natural logarithm of the square roots, only for the Earth...



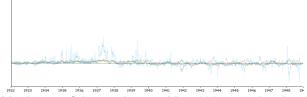
This chart and the following are showing the value of the natural logarithm of the square roots of the function of the David star on Earth (green), on Sun (orange) and their multiplication product (blue). On the year 3 BC (year -2) there was not only the biggest area below the curve for the center on Earth, but also (probably) the biggest area below the curve of their multiplication...







(One of examples of less distinct cases of the area below the curve, shown for comparison...)



Maximum of the product on May 1937, one local maximum of the Earthly value by the end of November 1941, one local maximum by the end of July 1945 on the Sun, one maximum on the Earth just after the end of February 1948, all of them not much bold...

Table of occurences of the most bold David stars, sorted by the area below the curve (with a value >150, for the last 3000 years)

Center of period and integral of the values Interval of dates (JD) Interval of dates JD 1720483=259.981 1720200 1720766 cca 08/0003 BC 03/0001 BC JD 1782063=247.934 1781769 1782358 21.03.0166 20:02:31 31.10.0167 JD 1742342=243.251 1742051 1742634 23.06.0057 27.01.0059 JD 1709652=242.166 1709360 1709944 cca 12/0033 BC 07/0031 BC JD 1795423=235.172 1795116 1795731 05.10.0202 11.06.0204 JD 1672309=234.604 1671829 1672790 cca 03/0135 BC 11/0133 BC JD 2428666=229.792 2428400 2428933 19.08.1936 03.02.1938 JD 2087838=228.344 2087532 2088145 09.05.1003 11.01.1005 JD 1645510=225.434 1645067 1645953 cca 12/0209 BC 05/0206 BC	
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JD 1742342=243.251 1742051 1742634 23.06.0057 27.01.0059 JD 1709652=242.166 1709360 1709944 cca 12/0033 BC 07/0031 BC JD 1795423=235.172 1795116 1795731 05.10.0202 11.06.0204 JD 1672309=234.604 1671829 1672790 cca 03/0135 BC 11/0133 BC JD 2428666=229.792 2428400 2428933 19.08.1936 03.02.1938 JD 2087838=228.344 2087532 2088145 09.05.1003 11.01.1005 JD 1645510=225.434 1645067 1645953 cca 12/0209 BC 05/0206 BC	
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40/0040 DO 00/0044 DO	
JD 1715832=221.631	
JD 1533459=219.792	
JD 1722810=219.521	
JD 1803946=212.737 1803652 1804240 17.02.0226 28.09.0227	
JD 1433322=207.043	
JD 1856196=203.990 1855919 1856474 25.03.0369 01.10.0370	
JD 2351494=201.188 2351195 2351793 02.04.1725 21.11.1726	
JD 1495955=200.393	
JD 1546615=196.839	
JD 1918683=195.959 1918406 1918961 23.04.0540 30.10.0541	
JD 1410198=194.288	
JD 1919376=193.543 1919112 1919640 30.03.0542 09.09.0543	
JD 2336723=191.785 2336411 2337036 09.10.1684 26.06.1686	
JD 2377946=186.078 2377637 2378255 24.08.1797 04.05.1799	
JD 1924860=185.964 1924582 1925139 21.03.0557 29.09.0558	
JD 1669834=185.371	
JD 2037250=184.396 2036913 2037587 06.10.0864 11.08.0866	
JD 1925650=183.960 1925369 1925931 17.05.0559 29.11.0560	
JD 2124555=183.835 2124229 2124881 28.10.1103 10.08.1105	
JD 1351495=182.013	
JD 1405465=177.023	
JD 2467642=175.503 2467320 2467964 11.03.2043 14.12.2044	
JD 2004410=172.451 2004159 2004662 02.02.0775 19.06.0776	
JD 1938892=170.943 1938622 1939163 30.08.0595 20.02.0597	
JD 2187666=167.282 2187374 2187959 14.09.1276 22.04.1278	
JD 1499044=166.709	
JD 1524702=166.183	
JD 2293697=164.860 2293385 2294009 12.12.1566 27.08.1568	
JD 2476356=163.811 2476004 2476708 19.12.2066 22.11.2068	
JD 2424057=163.101 2423764 2424350 10.12.1923 18.07.1925	
JD 1775210=162.382 1774916 1775504 16.06.0147 24.01.0149	
JD 2144007=161.177 2143753 2144261 11.04.1157 01.09.1158	
JD 1548178=160.735	
JD 1408539=159.795	
JD 2206440=159.370 2206193 2206688 24.03.1328 01.08.1329	
JD 2102734=158.987 2102471 2102997 02.04.1044 10.09.1045	
JD 1710318=158.837 1710057 1710579 cca 11/0031 BC 04/0029 BC	
JD 1906845=157.591 1906538 1907152 26.10.0507 01.07.0509	
JD 2192376=157.543 2192070 2192683 24.07.1289 29.03.1291	
JD 1597248=156.354	
JD 1781369=156.320 1781092 1781647 13.05.0164 19.11.0165	
JD 1808606=154.716 1808279 1808933 19.10.0238 03.08.0240	
JD 1427338=154.618 1427041 1427635 cca 01/0805 BC 08/0804 BC	
JD 2362393=153.968 2362125 2362661 06.03.1755 23.08.1756	
JD 2143252=152.931 2142960 2143545 09.02.1155 15.09.1156	
JD 1397548=152.707 1397284 1397812 cca 07/0887 BC 01/0885 BC	
JD 1475580=150.876 1475303 1475857 cca 03/0673 BC 09/0672 BC	

References

For finding the positions of planets, the JPL ephemerides DE422 are used.

Events for the dates are adopted from english wikipedia, possible difference probably should not exceed the uncertainty in dating that event...

Remark: yes, it is a kind of prank, but I think it has got it's place here... The equations are somehow nice even Symbolically...