

Stellar Metamorphosis: Classification of astrons within 20 light years



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Abstract: The observed stars and planets (astrons¹) within 20 light years of our solar system are classified according to Stellar Metamorphosis². After the table some notes are provided on certain classifications and explanations on why certain choices were made.

Our local stellar environment contains many stars and much more planets; we have observed all the stars (probably) and only a few of the planets. With all the new more powerful observational tools (like TESS*) we are sure to find many more planets in the coming years. With tools like CHEOPS** and in the future ARIEL*** more characteristics (like chemical composition/type of atmosphere etc) will be observed. These new observations will be of great help to Stellar Metamorphosis to fill in much more detail on how stars/planets evolve, confirm predictions and guide future research. This calls for the classification of stars/planets that we have observed. I chose to limit the classification to within 20 light years, it gives a good amount of systems to classify and if/when we start to visit other systems these are the ones we will venture out to so it is good to know what is out there. Also the observations of stars/planets within this distance is more trustworthy. I already made the Astron Classification table³, so i used that table to classify all the known stars and planets within 20 light years. This automatically sets up many predictions for every planet within 20 light years, making Stellar Metamorphosis the prime classification method in astronomy.

The legenda is below on page 1, the classification table is on page 2,3 and the notes start from page 4. I have also submitted a printable version of the table to viXra, it is called: "**astrons within 20ly_printable version**".

Legenda:

Blue text = Possibly exists, probable, but unconfirmed

Red text = Ruled out, disconfirmed

Bolded text / **highlighted in any color** = There is a note on this object, see pages after the table

Distance(ly) = Distance in light years

TZ Arietis / L 1159-16	14.6		L 1159-16										
Gliese 674	14.8		Gliese 674							Gliese 674 b			
Gliese 687	14.8		Gliese 687							Gliese 687 b			
LHS 292	14.8		LHS 292										
GJ 1245	14.8		GJ 1245 A+B										
LP 145-141	15.1												LP 145-141
Gliese 876	15.2		Gliese 876							Gliese 876 c+b			
LHS 288	15.6		LHS 288							LHS 288 b			
GJ 1002	15.8		GJ 1002										
Groombridge 1618	15.8		Groombridge 1618							Groombridge 1618 b			
Gliese 412	15.8		Gliese 412 A										
DENIS J081730.0-615520	16		DENIS J081730.0-615520										
WISE 1639-6847	16.1		WISE 1639-6847										
DEN 0255-4700	16.2		DEN 0255-4700										
Gliese 832	16.2		Gliese 832							Gliese 832 b			Gliese 832 c
AD Leonis	16.2		AD Leonis										
GJ 1005	16.2		GJ 1005 A+B										
WISE J0521+1025	16.3		WISE J0521+1025										
40 Eridani	16.5		40 Eridani A										
70 Ophiuchi	16.6		70 Ophiuchi A+B										
Altair	16.7	Altair											
2MASS 0939-2448	17.4												
WISE 0350-5658	17.7		WISE 0350-5658							2MASS 0939-2448 B			
Gliese 251	18		Gliese 251										
WISE 1741+2553	18		WISE 1741+2553										
Stein 2051	18.1		Stein 2051 A										Stein 2051 B
LSR J1835+3259	18.5		LSR J1835+3259										
Gliese 205	18.6		Gliese 205										
WISE 1541-2250	18.6		WISE 1541-2250										
2MASS J04151954-0935066	18.6		2MASS J04151954-0935066										
Gliese 229	18.8		Gliese 229 A							Gliese 229 Ab			
Sigma Draconis	18.8		Sigma Draconis							Sigma Draconis b			
Ross 47	18.9		Ross 47										
Gliese 693	19		Gliese 693										
Gliese 570	19		Gliese 570 A										
Gliese 752	19.2		Gliese 752 A										
L 674-15	19.2		L 674-15							Gliese 752 Bb			Gliese 752 Ab
TYC 3980-1081-1	19.3		TYC 3980-1081-1										
Gliese 588	19.3		Gliese 588										
Gliese 754	19.3		Gliese 754										
Eta Cassiopeiae	19.4		Eta Cassiopeiae B										
Gliese 908	19.5		Gliese 908										
YZ Canis Minoris	19.5		YZ Canis Minoris										
36 Ophiuchi	19.5		36 Ophiuchi A+B+C										
HR 7703	19.6		HR 7703 A										
82 G. Eridani	19.8		82 G. Eridani										
Delta Pavonis	19.9		Delta Pavonis							82 G. Eridani f			
2MASS J0937347+293142	19.96		2MASS J0937347+293142										82 G. Eridani d+e
													82 G. Eridani b+c+g

NOTES

A note on the colours used for the Population Types

I used red for Population I (plasma), yellow for Population II (gas), blue for Population III (liquid) and green for Population IV (solid). This is done to match the colours of the 'Platonic Solids', see picture:



The ancients had **Fire**, **Air**, **Water**, **Earth** and Ether as the elements. My understanding from a young age was that they were not saying that these are the elements matter is made from but that they were saying something about the possible aggregate states of matter; to me this is much more logical. And as explained in my astron classification paper³, these are just generalizations of which phase an astron is in. You can see the ancients also had Aether, this could either be a super solid, a super plasma or as I think; it is photonic matter (a sea of photons known as the charge field). Photons which are recycled by all other matter in any state, I touched on this in my paper *The Charge Engine of Stellar Evolution*⁴.

A note on **Ross 128 b**

This astron is just larger than Earth and it is marked extra green in the classification table because it is possibly a dinosaur planet; there are other candidates but this planet is a more archetypical example where creatures like dinosaurs can thrive. This does not mean there are dinosaurs and that it looks like the picture below but at least it is possible. A dinosaur planet in stellar metamorphosis has a very thick atmosphere with a higher pressure, 3 to 5 bar, this higher pressure is what makes it possible for giant creatures like dinosaurs to exist and especially only this pressure range can accommodate the largest flying reptile quetzalcoatlus^{5,6}. Dinosaur-like creatures have a natural place to exist only with Stellar Metamorphosis, also with stellar metamorphosis we can predict features about astrons that are not possible with any other paradigm. For Ross 128 it is now predicted we will find oxygen and methane as byproducts of biological life and possibly dinosaur-like life.

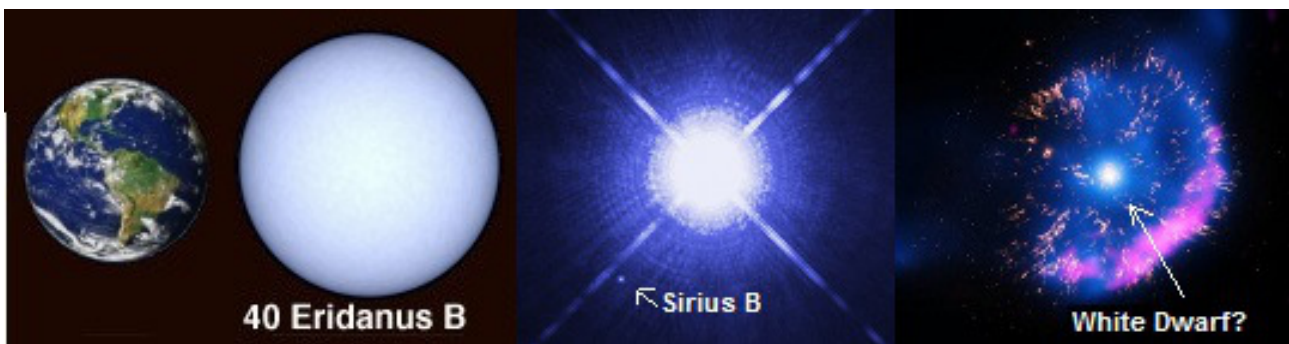


A note on **Gliese 974 B**

I highlighted this world because in standard astronomy the description has it has either a) rocky or b) gaseous, it is a sub gas dwarf, this makes it an ocean world. An ocean world is not a rocky world, the crust has not yet formed, it is in the process of forming. It does have a gaseous atmosphere but that is no longer it's main characteristic. It is really in a different phase of evolution compared to a gas dwarf. More detail is in my paper: From Neptune to Earth⁷.

A note on **'white dwarf stars'**

These objects are said to be stars (plasmatic and shining astrons), they have high temperatures (in a variety of ranges) and apparently shine but are very dim. The real difference with normal stars is that white dwarf stars have a very small radius (compared to normal stars) and in Stellar Metamorphosis the classification of astrons is done generally first by radius. That is why I have placed **'white dwarf stars'** as pre-earth, life host and post-life types based only on the radius that is given for them; this does not mean they are these types of astron. But I do question what exactly these objects are and that is why I made them stand out, because I think these are objects that need further examination. This will be the subject of a future exploratory paper about these objects called: 'What are White Dwarf stars?':



References:

* TESS: <https://www.nasa.gov/tess-transiting-exoplanet-survey-satellite>

** CHEOPS: <http://sci.esa.int/cheops/>

*** ARIEL: <http://sci.esa.int/ariel/>

1 M. Zajackowski, Star and Planet: Stages of Astron Evolution: <http://vixra.org/pdf/1510.0381v1.pdf>

2 J. Wolynski, Stellar Metamorphosis: <http://vixra.org/pdf/1205.0107v9.pdf>

3 D. Archer, 2017, Astron Classification Table: <http://vixra.org/pdf/1712.0460v1.pdf>

4 D. Archer, 2018, The Charge Engine of Stellar Evolution: <http://vixra.org/pdf/1811.0168v1.pdf>

5 O. Levenspiel, 2006, Atmospheric Pressure at the Time of Dinosaurs :

<http://www.ingenieriaquimica.org/system/files/Chemical%20Paleo-Engineer.pdf>

6 J. Wolynski, Dinosaurs in 3 to 5 Bar Atmospheric Pressure: <http://vixra.org/pdf/1810.0225v1.pdf>

7 D. Archer, 2018, From Neptune to Earth: <http://vixra.org/pdf/1801.0149v1.pdf>