Parkland College

Natural Sciences Poster Sessions

Student Works

2014

Taurus

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Recommended Citation

Tomaras, Alex P., "Taurus" (2014). Natural Sciences Poster Sessions. Paper 68. http://spark.parkland.edu/nsps/68

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Azimuth

INTRODUCTION

The reason behind this project was to learn about a specific constitution but it is much more than that. This project furthers our learning about stims in the galaxy. The knowledge of stars and how they work was possible due to all three parts of the project which include calculating a year's time by looking at stars, and their movement, politing a graph with the azimuth and attitude, and uttimately finding the fate of our constitution stars.

A constellation is a specific area with borders that is located in the onesistal sphere that has stars that stretch deep into space. There are 8 constellations that cover the whole sky. Thirteen of these constellations make up the zodiec.

I chose Taurus due to the fact that my birthday fell within it and it was the only constellation that I had any relation to

MESSIER DBJECTS

Messier Objects are just objects in the sky that resemble comets from to away but with closer observation are not. Charles Messier got tired of dealing with them so he created a list of all of them.



The Crab Nebula (M1) is a supernova remnant and pulsar with wind nebula. It was made by a supernova that was recorded by Chinese



The Pleiades (M45) is the other Messier object in Taurus. It is my favorite thing to look at in the night sky and is visible to the naked eye in a clear night sky. It is an open cluster and the stars have a blue shade to them. It

CALCULATING THE LENGTH OF THE YEAR

The first part of the Project was to calculate the time of the year by using a specific state and its rate time. I chose the star Adiobatran. In Statismunt 1 is specificated to the star Adiobatran. In Statismunt 1 is the calculated from the Statismunt 1 is then calculated from difference to Decimal Menutes and the calculated the Charge in time per day. Pinally if did the calculation for the time of the year which was done with 1,440 minutes divided by my charge in time per day which was 30 minutes divided by my charge in time per day which was 30 minutes.

Date	Rise Time for Aldebaran			
Date	Hour	Minute	Second	
May 23	6	24	34	
May 30	6	57	02	
June 6	5	29	31	
June 13	5	01	59	
June 20	4	34	28	

Dates	Change in Minutes	Rise Time Seconds	Change	in Time Minutes	Change in Time Per Day in minutes/day
5/23-5/30	27	32	27	53	3.93
5/30-6/6	27	31	27	52	3.93
6/6-6/13	27	32	27	53	3.93

At the end I determined that the Length of the year was 366.41 days. 1,440/393=366.41

Of course there was some error to this calculation which I found out was 0.70%.

The reason for the error is most likely due to only having rise times from five days. As with everything, sample size can make or break the calculation.

SPATIAL RELATIONSHIP OF STARS

In the right sky if is easy to be confused about how dose the stars are to each other. From our point of view stars seem close together, especially those in the time of a consistation. The respect of the stars are to dot to form a constellation border. The respect of the stars are started to the stars are supported from the consistency of the stars are started from a constellation border. The respect to the started from the sta

Star Name	Arlmoth	Allifrado	
Aldebaran	265 degrees 46' 34"	II degrees or py	Distance
Alanth(Beta Tau)	270 degrees 25'35"	AT degrees 30' 60"	66.64 LY
Defrat Tauri	268 degrees 51' 43"	29 degraes 18' 17"	133.89 LV
Epsilon Yauri	269 degrees 27 48"	31 degrees 21'52"	155.61 LV
Garriona Tasan	267 degrees 38" 38"		145.65 (V
Lambda Tauri	268 degrees 04' 16"	27 degrees 33" 23"	163.54 LY
Tau Yauri	270 degrees 59' 32"	21 degrees 59'00"	483.51 LY
Theta2 Tauri		16 degrees 07' 44"	400.65 LY
		29 degrees 23' 38"	150.F71V
Zeta Tauri		13 degrees 52° 45°	222.18 LV
Zeta Tauri	259 degrees 16' 23"	45 degrees 36' 46"	464.95 LV



Taurus

Aldebare

MYTHOLOGY

According to Greek Mythology, Zeus was madly in love with Europa, the daughter of Agency, King of Phoenica. So instead of just talking to her or confessing his love the decided to turn himself into a white buil. As the buil. Zeus opt closer to Europa and ended up tricking her to climb on his back. He then swem out to sea and utilimately came abone in Grette Once he knew that he had gotten www, with kidnapping Europa he transformed back into his true form. To commemorate his feat he put the picture of Taurus in the sky.

SOURCES

Sources:

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FRTWORK



THE FATE OF THE STRES

Zefa Tauri is the largest star of the bunch with a mass of 14.5 solar masses. It spent 47,000 objects on the man sequence and after all that firm 4 stopped fusing hydrogen. It then enters the Claim stage where it will stay for 4,780,000. Then it will become a Supergiant for the remainder of as file, which will be 475,000 years. If will diminately create a Supernova due to 15 bring more than 8 solar masses and will end up as a Neutron Star. It is oping to the first to die out of all the stars.

Epsilion Tauri is one of the smallest stars in the border of the constellation. In has a mass of 2.3 solar masses. It spent 1,800,000,000 years on the main sequence and is now in the Carte stage where it will be for 180,000,000. After the Glant stage that includes the Red Glant branch, the 180,000,000. After the Glant stage that includes the Red Glant branch, and of convocated branch and the asymptotic branch it will end up as a Planetary lethous which will utilizately become a White Dwarf which will be 1.4 solar masses.

Of Taurit has a solar mass of 5.4 and is going to be the test star to die in faurus. It has not completed any stages in its determe and is a very young star. It will spend 865.000.000 years on the man sepanorics. After this it will be Glaint for 85.000.000 years. It will suffer the same fate as Epsilon faurit and once 3.000.000 years. It will suffer the same fate as Epsilon faurit and the second of Parketany Nebula and server fils faurit course as a White-

Neutron Star





trip flower and paper vortex conviged_and papers/gad_33031_36

DATH

Star Name HIP #	Spectral Type	Mass	Main Sequence Lifetime	Barralaine (Marco)	
Ainath 25428 Delta1 20455 Epsilon Tauri 20889 Garrena Tauri 20205 Lambda Tau 18724 Tau Tauri 218815	67 III 68 III 80 III 68 III 83 V	2.8 10.1 2.2 2.3 2.2 7.6 7.6 5.4	1,280,000,000 98,000,000 2,070,000,000 1,890,000,000 1,270,000,000 173,000,000	128,000,000 10,790,000 297,000,000 189,000,000 190,300,000 190,300,000	
Q Tauri 160838		3.4 14.5	343,000,000 865,000,000 47,600,000	34,300,000 951,500,000 5,236,000	3 White Dwarf 13 White Dwarf 1 Neutron Star

