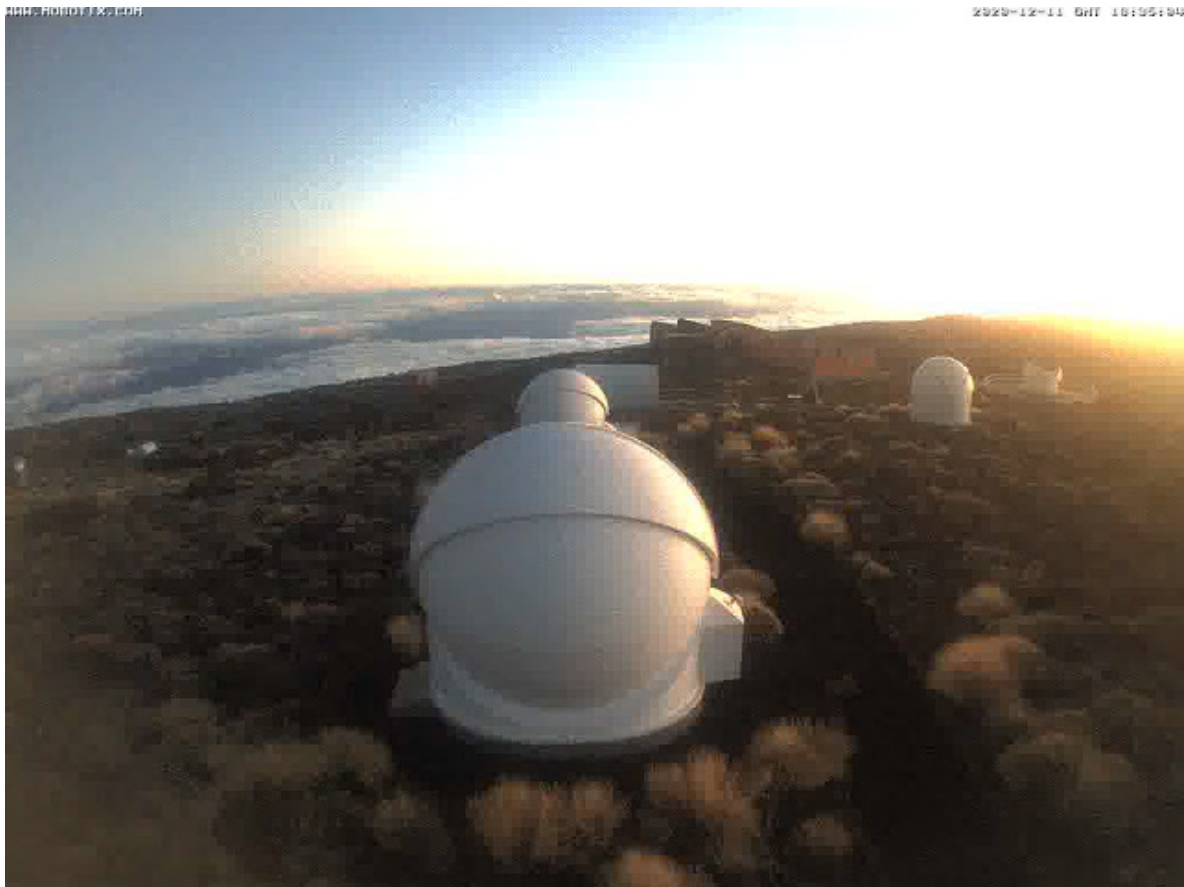


Thursday, December 10, 2020

Astronomy with a Online telescope: Introduction. Open University 2nd Class. First (important) steps.

I just place Stellarium on my computer and set the Location for my class with Open University and I have the opportunity to use a powerful telescope located in Tenerife to take images of objects.

In order to use my Own, currently in my moving boxes.
And, stellarium.



This telescope, known as COAST (COmpletely Autonomous Service Telescope), is one of two telescopes in Tenerife that form part of the Open University's OpenScience Observatories.

The COAST telescope dome. The image shows the 3.5-metre diameter white fibreglass dome of the COAST telescope.

Volcanic rocks and plants with flowers are in the foreground.

The larger dome of sister telescope PIRATE can be seen in the background. Both domes consist of a number of segments, rather like segments of an orange, arranged horizontally.

These segments open up when the domes are opened to give the telescopes an uninterrupted view of the night sky.

Behind this second dome can be seen the top of the mast holding the all-sky camera and a number of other weather sensors and instruments.

Installation, location: done!

Just up some lovely screenshots =)

**it was first, located in Paris of course, so,
And i have managed to do the step to Spain very easily.**

Stellarium 0.20.3

HIP 36388 - SAO 134740 - HD 59311 - HR 2865

Type: étoile
 Magnitude: 5.60 (réduit à 5.81 par 1.63 Masses d'air)
 Magnitude absolue: -1.26
 Index de couleur (B-V): 1.48
 AD/Déc (J2000.0): 7h29m18.66s/-1°54'19.4"
 AD/Déc (de la date): 7h30m21.12s/-1°56'55.9"
 AH/Déc: 0h55m47.93s/-1°55'40.2" (apparent)
 Az./Haut.: +197°45'10.6"/+37°47'55.1" (apparent)
 Long./lat. gal.: -141°00'49.7"/+7°32'12.2"
 Long./lat. supergal.: +58°45'49.2"/-73°48'54.9"
 Long./lat. écl. (J2000.0): +114°27'08.6"/-23°28'09.1"
 Long./lat. écl. (de la date): +114°44'22.1"/-23°28'00.5"
 Obliquité de l'écliptique (de la date): +23°26'12.8"
 Temps sidéral moyen: 8h26m11.2s
 Temps sidéral apparent: 8h26m10.1s
 Lever: 21h04m
 Culmination: 3h00m
 Coucher: 8h55m
 Constellation UAI: Mon
 Distance: 767.43±21.99 al
 Mouvement propre: 14.7 mas/a vers 231.9°
 Mouvement propre par axe: -11.6 -9.1 (mas/a)
 Parallaxe: 4.250±0.125 mas
 Type spectral: K3/4III

Sirius

S

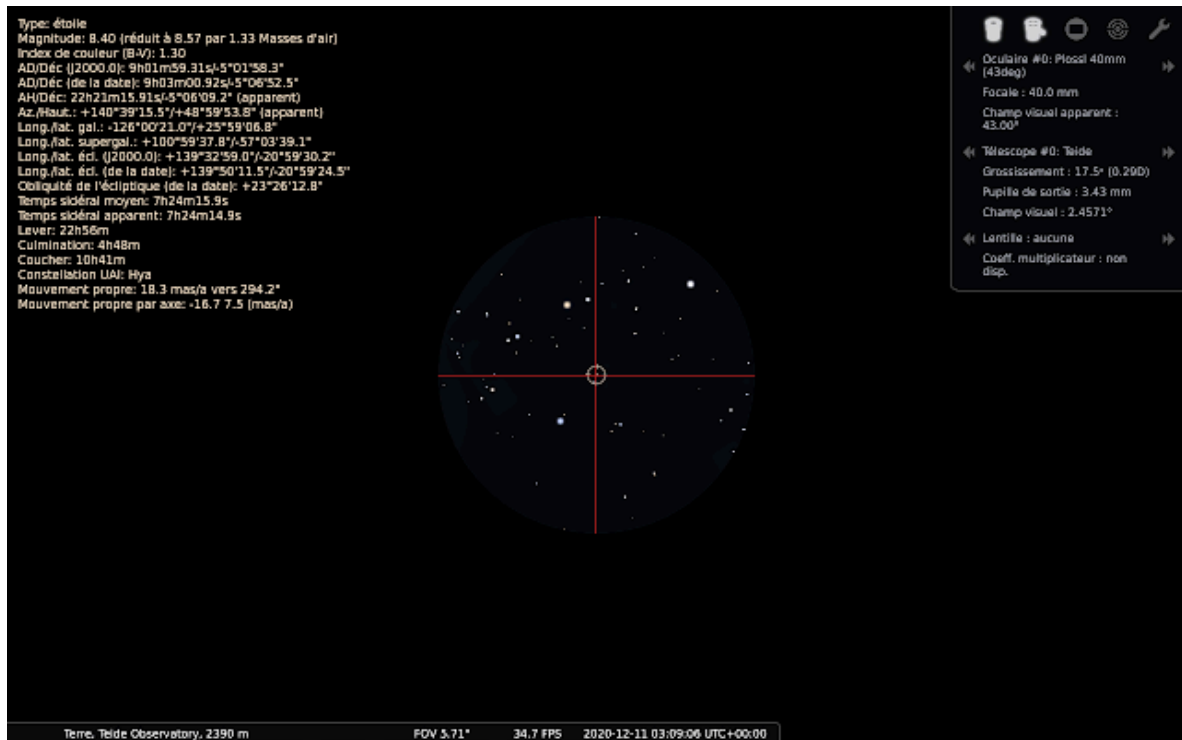
Terre, Paris, 42 m FOV 60° 17.9 FPS 2020-12-11 03:55:37 UTC+01:00

Type: étoile
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 Index de couleur (B-V): 1.30
 AD/Déc (J2000.0): 9h01m59.31s/+5°01'58.3"
 AD/Déc (de la date): 9h03m00.92s/+5°06'52.5"
 AH/Déc: 23h26m20.16s/+5°05'29.3" (apparent)
 Az./Haut.: +169°40'37.8"/+35°33'23.5" (apparent)
 Long./lat. gal.: -126°00'21.0"/+25°59'06.8"
 Long./lat. supergal.: +100°59'37.8"/-57°03'39.1"
 Long./lat. écl. (J2000.0): +139°32'59.0"/-20°59'30.2"
 Long./lat. écl. (de la date): +139°50'11.5"/-20°59'24.5"
 Obliquité de l'écliptique (de la date): +23°26'12.8"
 Temps sidéral moyen: 8h29m21.5s
 Temps sidéral apparent: 8h29m20.4s
 Lever: 22h52m
 Culmination: 4h33m
 Coucher: 10h13m
 Constellation UAI: Hyz
 Mouvement propre: 18.3 mas/a vers 294.2°
 Mouvement propre par axe: -16.7 7.5 (mas/a)

Alphard

27 Hyz

Terre, Paris, 42 m FOV 5.71° 23.9 FPS 2020-12-11 03:58:47 UTC+01:00



First observations with the All-Sky camera

For first observations, I will be using the Open University's All-Sky camera located close to the dome that houses the COAST telescope itself. ohhh my god.Those images will planned since 2018. Snif. ..

This camera is mounted on a pole, together with a number of other weather instruments that are used to assess the quality of the sky and weather in order to determine when it is safe to open the telescope dome.

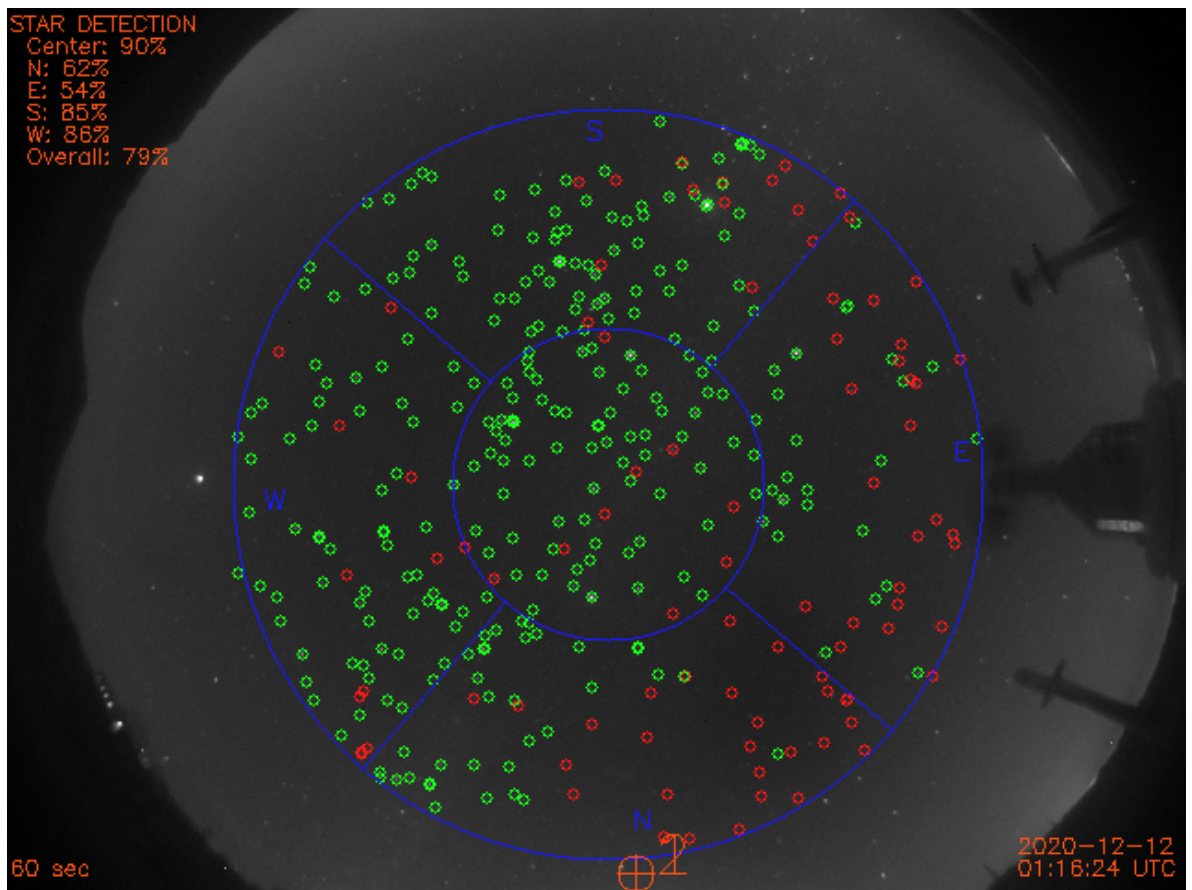
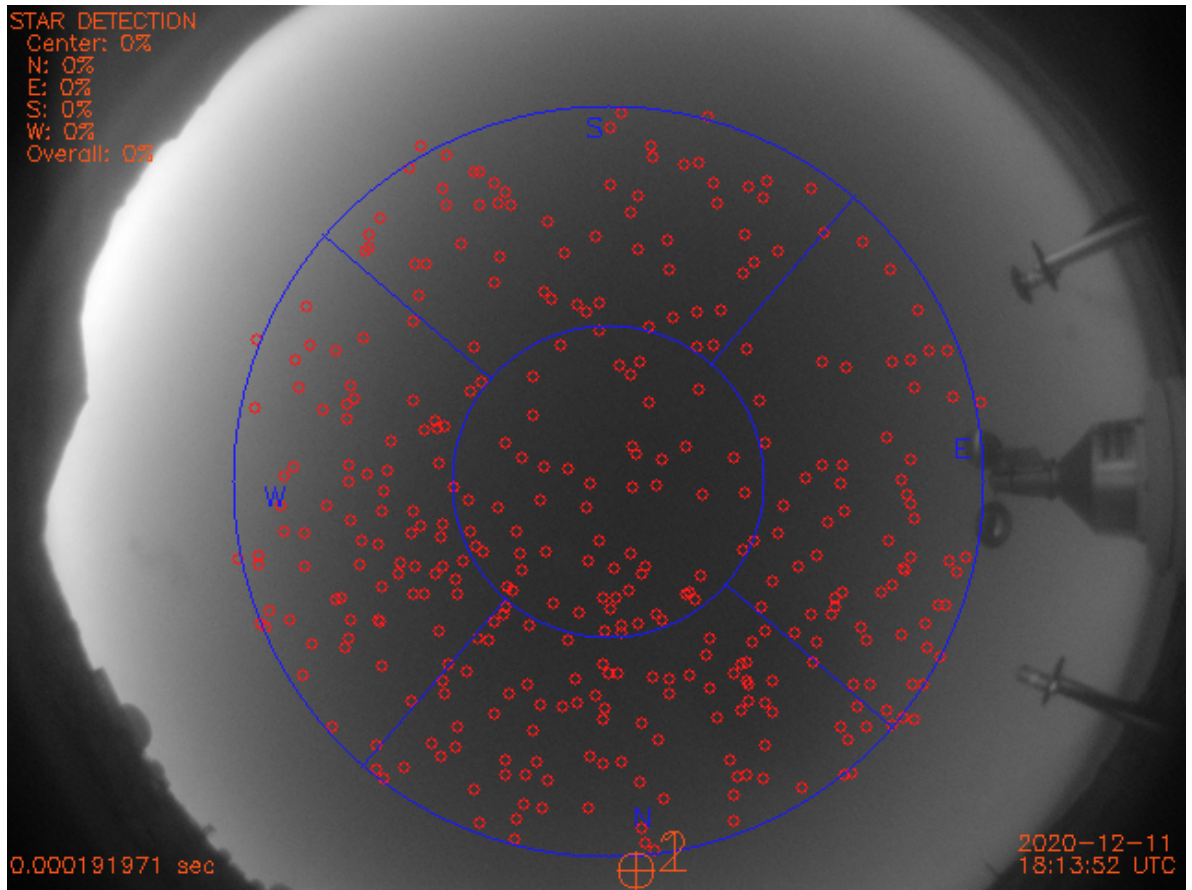
(so by meeeee)

There are also webcams showing views of the site and of the telescopes inside the COAST and PIRATE domes.

All-Sky camera gives a rather odd view of the night sky because it uses a fisheye lens giving a very wide angle of view, the image from the camera captures the horizon all the way around the edge of the circular image and the sky directly overhead in the middle. The image updates every few minutes. Using these images, the observatory counts the number of stars it can see.

In later weeks, I can return to these webcams to check the weather and observing conditions for when I plan to take images.

For now, I can use the All-Sky camera view to observe the apparent motion of the sky. yeah. As the Earth rotates, objects in the sky will move from right to left (or east to west) across the image during the course of a night.



I am very motivated by my classes and by my current regulation-plan, which I will talk about, despite tons of complications.

Baby mag Update 4.

I did the last images yesterday (for the lunar phase before the layout, because it will not possible to wait for the next lunation, for this issue) but, not the last in terms of image: Analog Samples serie, that I will use in the magazine, using the two tapes to extract more photographs, like the full moon ..

The paper version of these samples will be lovely, and I hope I have the budget to make a matt version and a glossy version but I don't think so because the mag under construction will have a lot of pages, so that's for later.

My next abstract has just been planned for January.

.. A little more details will emerge.

Posted by [Veronica IN DREAM](#) at 9:51 PM