Your team needs to incorporate feedback from the Astro Pi team to progress to Phase 2. Please submit your team's updated idea by 25 November 2021.



Phase 1 feedback

Please update your experiment idea, taking the feedback below into consideration:

- Please can you provide more information about your idea. Are you planning nighttime photography? What is the likelihood that
- the ISS will pass over an active fire in the 3 hour period when you experiment is running? How will you use ML to distinguish
- between fires and light pollution? What will you use for training data?

Update your team's idea

INITIAL IDEA

Life on Earth

In this project we will use Astro Pi's camera in order to detect: fires on earth and light pollution.

Fires and light pollution can be detected by using a certain threshold for each one.

Machine learning(using coral) can also be used to distinguish between fires and light pollution .

Data

LIGHT, PHOTOS

Update your team's idea

SUBMITTED

1	Are you planning night time photography!
2.)	what is the likelihood that the ISS will pas over an active fire in the 3 hour period when your experiment; s running
	How will you use ML to distinguish between files and light pollution? what will you use for training data?
	· ~ ·
	(NO) we cannot know the time our program Kans on ISS, so we'll make two different algorithms, one for nighttine and one for day time. We will measure light to identify it it is day time or night time. In the day time will have to remove day light from our pictures to identify easier
(2)	Of course we've not sure about an active fire at that period but we have to try this - But there will be lights for sure or even smoke from factors which can be identified
	The light of a sire" has diffent wave length from technical light especially led lighting. Also sires make smoke. In order to train the ML we can use images from ISS including fires and only light. Also we can use small fires and lighting from leds and train it that way. Then we can complete results from each method to determine which; the Lest.

Lus Eyxports nojes, ojo tou nepeloirpo, druta-DiGarran of Gurida Jataripas nuprkzingans, fre Véas Jefnziph LED. la purhvá 2 novinufed Zew notewn, moterns, ztiva va trazon1626 200 ro page za un (p) Dpo -Epiloi- Hipiran nos 20 fible ron finge-full-uniquidos. E261 da ma no fixoso pa zous DNIXVANES pas, va Gronibar ten va Jexupi-bod de fra neproxia neproprias (non de Eival kovier or uniquito) and (12 repair nojus (nou da Giver Korré tro untpiùso). HERMANNEN DA JIVIN TE MPAJLAURE) pulito, 60 dvoikió xwipo kan po jatnos LED anó vor Sufóbio pur 16/0.

(13 HHX 370)