

Nature and Culture of Hawaii



Presenter :

AMI  **SAWA**



about Hawaii

Hawaii

means ' the place where the God exists ' in Polynesian



Capital

Honolulu

Population

About 1.2 million people

Official language

English , Hawaiian

Average temperature

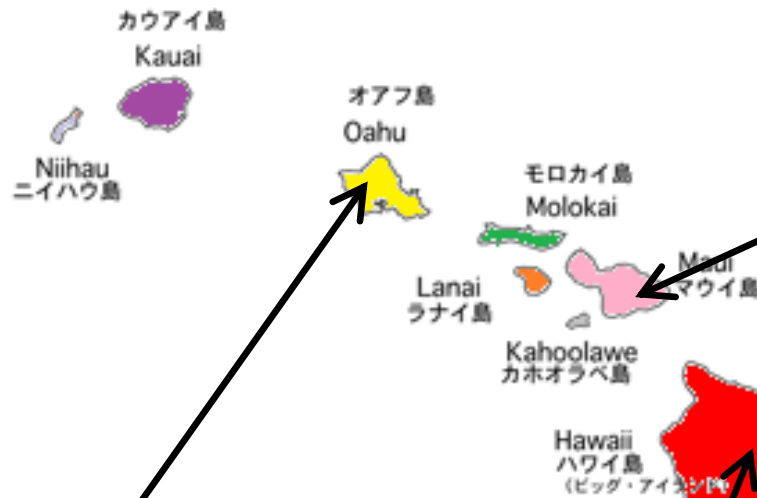
About 25°C

Northeast trade wind → warm weather through the year



Volcanoes

Hawaii islands were created by volcanic activity.



Haleakala



Kilauea



Diamond Head



Mauna Kea





Mauna Kea —Subaru Telescope—

“*Mauna Kea*” means “*white mountain*” in Hawaiian

➔ the fact that Mauna Kea is covered with snow in winter

- ◆ Stands **4205 m** above sea level
- ◆ **13** observational facilities
from **11** countries



Why do these observatories concentrate
at Mauna Kea's summit??



Best condition of astronomical observation

(1) A lot of sunny days → we can watch well the stars

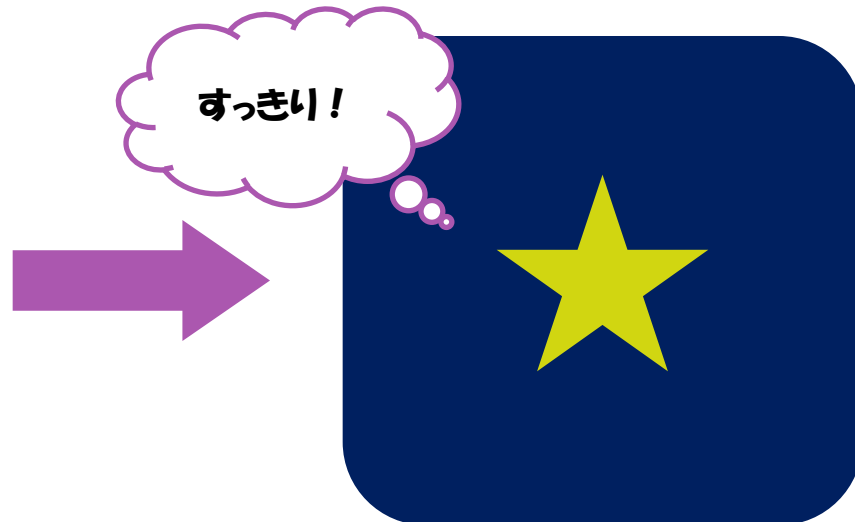
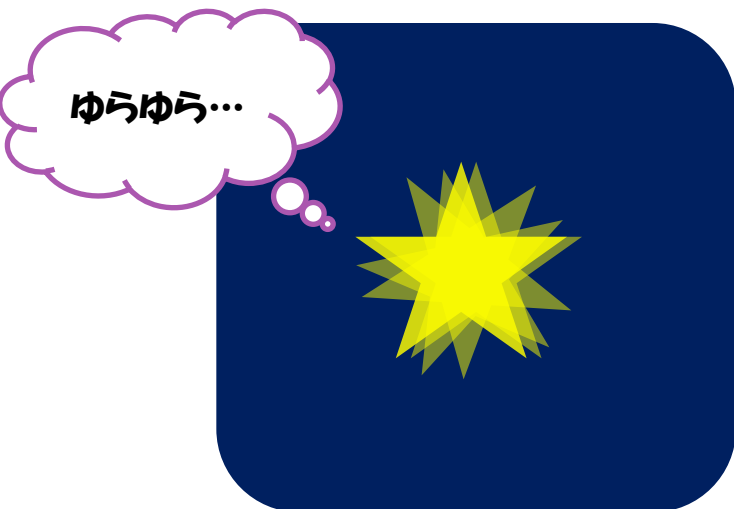
At the height of 4205 m.

→ The air is thin there. (600hPa) / more than 300 sunny days a year

(2) the DRY atmosphere → infrared rays reach easily

Average humidity Mauna Kea : 40% , Hilo : 80% , Tokyo : 60%

(3) the STABLE atmosphere → clear image of stars





Best condition of astronomical observation

(4) Dark sky → NOT hinder observation

- distance from city light
- prohibit the headlight at night at Mauna Kea
- street lamp : use Na lamp in consideration of observation

Tunnel

(5) etc...

- low latitude → we can observe the heavenly bodies in the Northern and Southern hemisphere.
- Mauna Kea's summit is gradual → easy to construct obs.
- Good access to Mauna Kea

It is called a place that is
the nearest space on th earth. ! ! !



Mauna Kea Observatory





Sacred place, Mauna Kea

A long times ago, Goddess of snow **Poliahu Heiau** lived in Mauna Kea

~One theory~

Pele (Goddess of fire) VS Poliahu

It is Sacred for Hawaiian!!

There is **the altar** on the top of mountain.



The telescopes ranges in a little lower than a true top of a mountain



13 or more cannot be constructed
by limit construct of the astronomical observatory being done.



Language of Hawaii



The Hawaiian language

→ passed by from generation to generation by mouth

Five vowels : a,e,i,o,u

Seven consonants : h,k,l,m,n,p,w

in 1820,

It starts declining by the inflow of a lot of immigrants.

in 1959,

When Hawaii became the 50th state in the US ,the official language became English.

◉ the Hawaiian language has a few native speakers!





Petroglyph (ペトログリフ)



Petroglyph = petros(石·岩) + plyphé(彫刻) in Greek language
It is the Sculpture of the rock (岩石彫刻).



☀ drawing Dog, Bird, Canoe, Soldier, Sign, and so on.

in recent study,

- ☀ Petroglyph is a kind of “Rock Art”?
- ☀ Is there the place with spirit power?




We can see Petroglyph at Big Island everywhere !





What is HULA?



-  A ceremony of the religion to worship the god.
-  A means to pray praying to the god at the time of the harvest.
-  A means to hand down the myth and the legend.

It takes the rhythm by the lower half of the body according to poetry and the song that makes the myth and the legend a motif, and expresses "Word" by the upper-body.



Classical Hula 「Kahiko」



Modern Hula 「Auana」





Flowers



Lei•••

It is the one that was made from the one of nature such as the plant leaves and animal's bones, and thought god's one's double, and had acquired as an amulet and guard.



Plumeria :

It is seen most in Hawaii .
Material flower that makes lei.

Hibiscus :

State tree in Hawaii
There are 5000 kinds.



The flower is one of the important elements
that make the image of Hawaii !



The end



Thank you for your attention 😊😊