

Research Activity Report
Supported by “Leading Graduate Program in Primatology and Wildlife Science”
(Please be sure to submit this report after the trip that supported by PWS.)

2017. 05, 24	
Affiliation/Position	Sun Yat-sen University Primate Research Group/D2
Name	Danhe Yang

1. Country/location of visit
Japan/Yakushima
2. Research project
Yakushima Field Science Course(The Distribution of Wild Yakushima Macaque in Yakushima Island)
3. Date (departing from/returning to Japan)
2017. 05.13 – 2017. 05.19(7 days)
4. Main host researcher and affiliation
Pro. Goro Hanya, Dr.Shun Hongu, Mr. Yosuke Kurihara, Mr. Takeaki Honda. PRI
5. Progress and results of your research/activity (You can attach extra pages if needed)
Please insert one or more pictures (to be publicly released). Below each picture, please provide a brief description.

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This field science course was conducted to evaluate three main ideas, which are, the vegetation types preferences by Yakushima monkeys, occurrences of yaku-macaques in hunting and non-hunting areas, and elevation effect to the distribution of yaku-macaques.

We conducted our census by collecting fecal samples from several transect lines, and used handheld Garmin to geotag and remark the locations and survey routes where data were collected. Combining the data including vocalizations (coo calls, alarming etc.), direct sighting and fecal samples (we also recorded the condition, such as fresh or dry) with vegetational and elevational information of Yakushima, after that we ran the data through QGIS system.

I had similar census before Yakushima field course, which was to estimate population density of *M.mulatta* in Lintin island, China. However, what made this time more challenging was dealing with QGIS system. I got stuck with it for a while due to my rawness. But now it appears that it became a wonderful opportunity to me, because sooner or later I have to learn how QGIS works. So why not now?

This is my very first time to Japan, do not even mention Yakushima island! My feelings are very mixed and I can not believe I already left there and without the view of Yakushima anymore (at least not in a short time). But I am also glad because I have a bunch of memories that I will keep forever. I get stressed and sick at the end of every departure and I have naturally just assumed that it has to do with the beauty of Yakushima and Kyoto at this time. Yakushima took my breath away, I am thrilled as before I was about to go there. I have butterflies in my stomach just thinking about it, feel like I finally zoned out of all of the negative stuff that I have had and I feel so free. All of the amazing people I am surrounded by and all of the awesome things I get to do that I would have never done if I did not come to here. I would like to thank Pro. Hanya, Dr. Hongu, Kurihara-san and Honda-san, and all my team members, they were being so kind, supportive, and patient all the time. And I appreciate that PWS for supporting us.

6. Others

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- Detected a monkey was hiding in the bush while eating on leaves at Seibu-rindo



- The view from the summit of Yakushima(1936m)

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- the view in front of our station(Loggerhead turtle make their way to nest just right on this beach, fortunately, we observed 3 females turtles laid their eggs at night!)