

If the lorikeets in the "Lorikeet Landing" at the Oregon Zoo were living

the wild, a vast majority of them would be living in *Australia*

Australia's average temperature ranges from *86 to 100° F*

with an average yearly rainfall of *17 inches*

But they don't. They live in *Portland*

Portland's average temperature is *62° F*

with an average yearly rainfall of *37 inches*

A change like that can be quite *Stressful*

So how do they cope?

Many parrots in captivity obsessively groom, or *Feather Pluck*

*How does weather effect  
lorikeets grooming habits?*

Learning at

**Lorikeet**

**anding**

*Rain Rain Go Away...*

Meet the

*Gang*

*31 Green-Naped*

Hometown?  
New Guinea

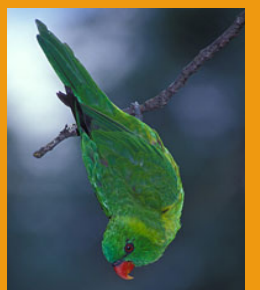


*15 Swainson's*

Hometown?  
East Australia

*3 Weber's*

Hometown?  
Indonesia

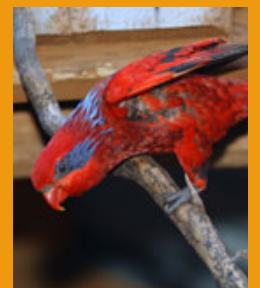


*1 Perfect*

Hometown?  
East Indonesia

*1 Blue-Streaked*

Hometown?  
Indonesia



*1 Edward's*

Hometown?  
East Indonesia



11-30-10

1

Weather: *constant drizzle*

Behaviors	0	1	2	3	4	5	6	7	8	9	10
Sitting on Something											
Sitting Under Something											
Fly as a Group											
Fly Alone											
Sit on People With Nectar											
Sit on People Without Nectar											
Groom Others	4	2	4	7	2	2	4	2	2	2	7
Groom Self	4	4	3	5	9	7	3	7	3	6	7
Duck Body											
Mouth Object								20	16	14	16
Mouth Human Object								25	27	29	29
Walking											
Other		11	17	18	14	15	22				
# Birds	19	23	25	25							
# Humans											

Enclosure # 4

Time & Duration: 2:11

→ only comparing grooming vs. other (possible stereotypic)

2

Weather: *constant drizzle - hail*

Behaviors	0	1	2	3	4	5	6	7	8	9	10
Sitting on Something											
Sitting Under Something											
Fly as a Group											
Fly Alone											
Sit on People With Nectar											
Sit on People Without Nectar											
Groom Others	4	0	6	6	6	2	6	4	4	2	4
Groom Self	6	6	3	5	8	11	3	8	8	8	10
Duck Body											
Mouth Object											
Mouth Human Object											
Walking											
Other	13	14	18	21	16	11	14	14	15	12	9
# Birds	23	20	21	26	24	24	23	26	27	22	23
# Humans	0	0	0	0	0	0	0	0	0	0	0

Enclosure # 4

Time & Duration: 2:25



4  
Inside

# Dividing Up the Enclosure



## To Do

1. Record weather conditions
2. Record number of birds total and number of humans
3. Start recording!







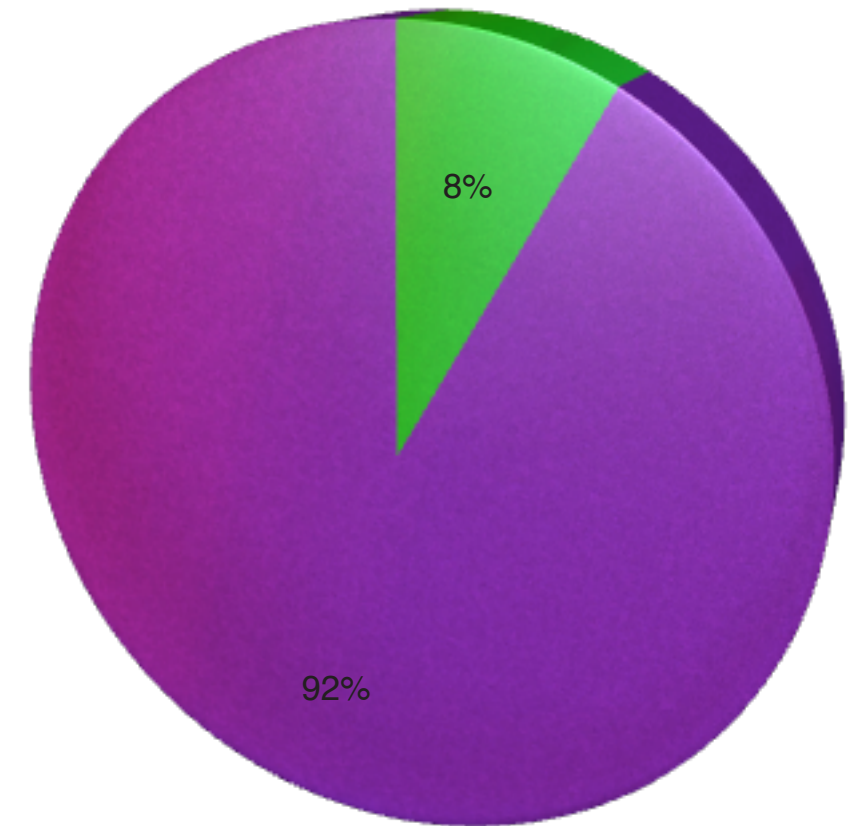
I Did

What?  
Where?

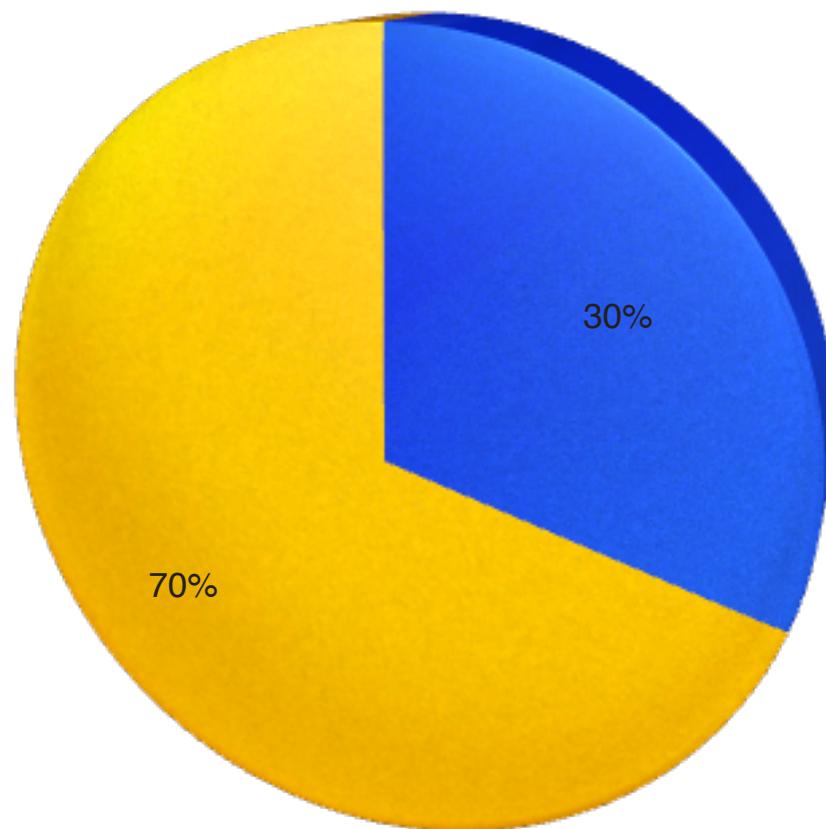
Key



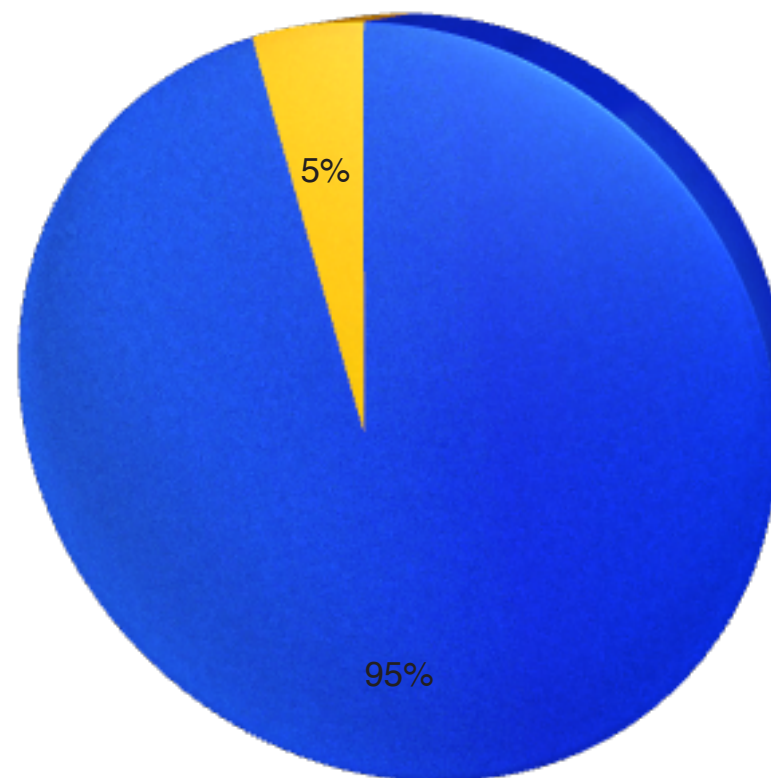
Activity Outside



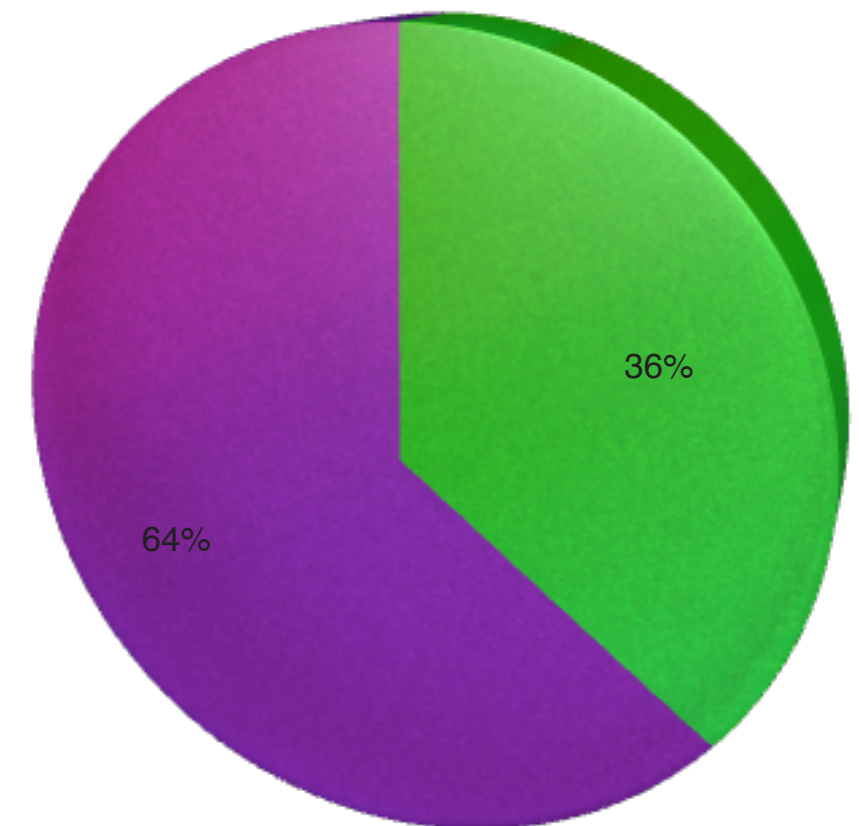
Location of Birds During Sun



Location of Birds During Rain



Activity Inside







## What this Means

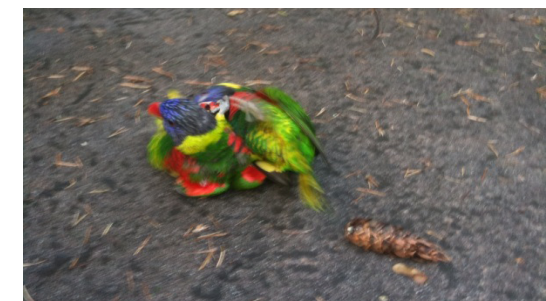
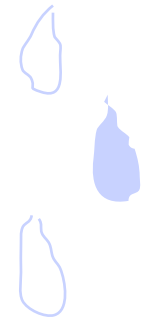
- How does weather effect location?
- How does location effect behavior?
- How can this be improved?

## What are the Problems?

- Birds Forced Outside
- People
- Field Work is Hard

## Where do we go from Here?

- Indonesia vs. Australia
- Effect of visitors on birds
- Age of birds and behavior
- Pair Grooming
- What activity is beneficial
- Individual birds



## Acknowledgements

### Intro

Big Bird--<http://gallery.photographyreview.com/showphotophp?photo=155502&size=big>  
 Meet the Gang--[www.oregonzoo.org/](http://www.oregonzoo.org/)  
 Ausralia Info--<http://www.nationsencyclopedia.com/Asia-and-Oceania/index.html>  
 Portland Info--[http://en.wikipedia.org/wiki/Portland,\\_Oregon#Climate](http://en.wikipedia.org/wiki/Portland,_Oregon#Climate)

### Methods

Outside Enclosure--[http://oregonzoo.smugmug.com/Animals/Oregon-Zoo-Photos/3268430\\_gJgQG/6/181119384\\_bXU95#181119384\\_bXU95](http://oregonzoo.smugmug.com/Animals/Oregon-Zoo-Photos/3268430_gJgQG/6/181119384_bXU95#181119384_bXU95)  
 Inside Enclosure--[http://commons.wikimedia.org/wiki/File:Iris\\_Lorikeet\\_Girl--Authors](http://commons.wikimedia.org/wiki/File:Iris_Lorikeet_Girl--Authors)

### Results

Bird--<http://hiddenleaves.wordpress.com/2010/06/03/fosters-tired-of-oil-can-image-starts-making-really-tiny-beers/>

### Conclusion

Feath Plucking--[http://commons.wikimedia.org/wiki/File:Trichoglossus\\_haematodus\\_-Newport\\_Aquarium-8a.jpg](http://commons.wikimedia.org/wiki/File:Trichoglossus_haematodus_-Newport_Aquarium-8a.jpg)

*A special thanks to Nancy Kluss for information regarding the lorikeets, all at the Oregon Zoo for allowing us to conduct research there and Suzy Renn for invaluable advice*