

The effect of artificial UVB on primate behaviour

By Samuel Morris and Dr Holly Farmer

The importance of UVB:

- Production of vitamin D₃
 - Calcium metabolism - prevention of MBD



Species	Season	PZ UV	Native UV
Ring-tailed lemur <i>(Lemur catta)</i>	Autumn	0.37	10
	Winter	0.14	12
	Spring	0.69	7.4
	Summer	1.76	3.8
Brown spider monkey <i>(Ateles hybridus)</i>	Autumn	0.74	12
	Winter	0.17	11.5
	Spring	0.96	10.7
	Summer	2.89	9.7
Geoldi's monkey <i>(Callimico goeldii)</i>	Autumn	0.17	12
	Winter	0.11	12
	Spring	0.78	6.6
	Summer	1.65	5.6

Method

Brown spider monkey (1.3)



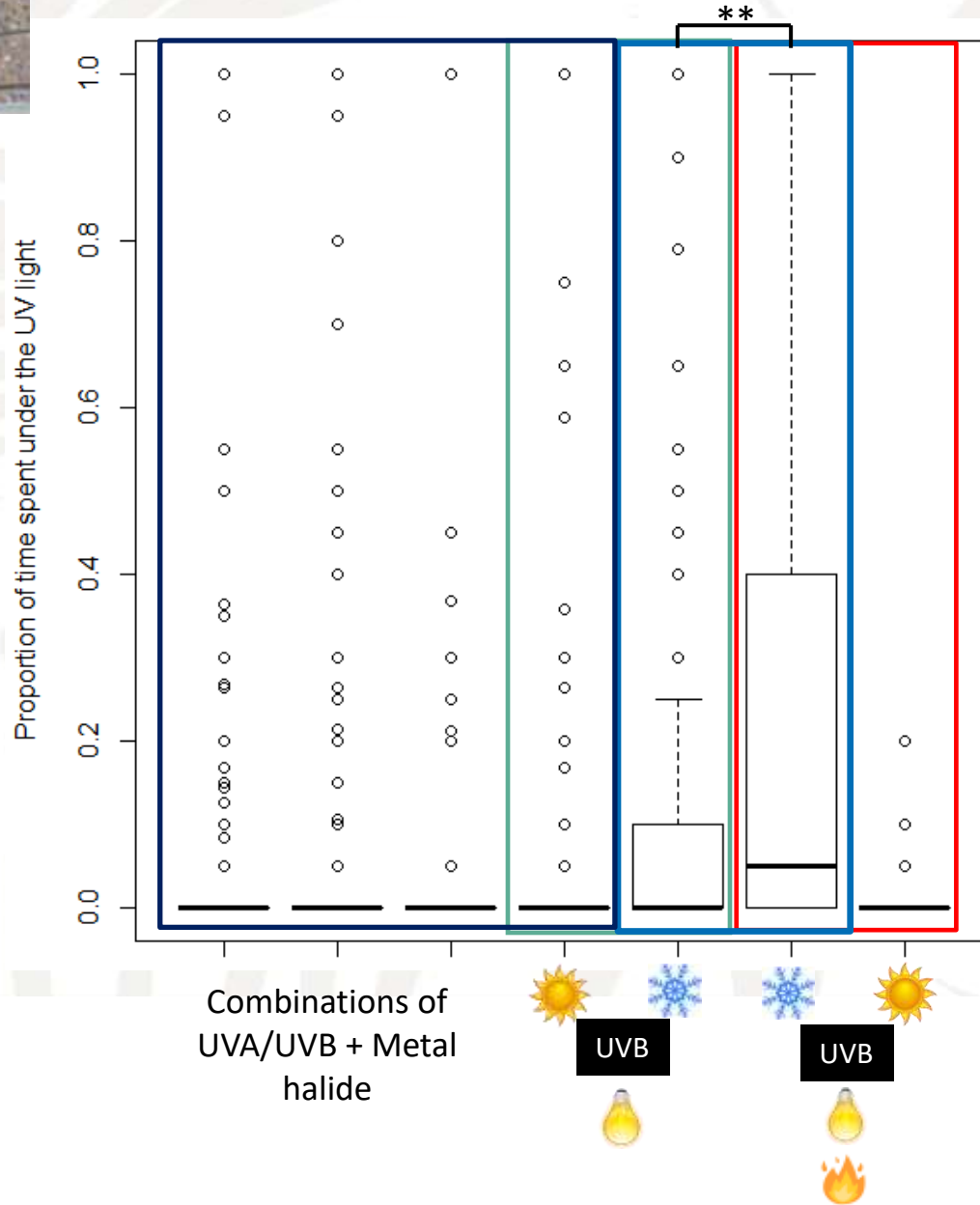
Geoldi's monkey (1.0)



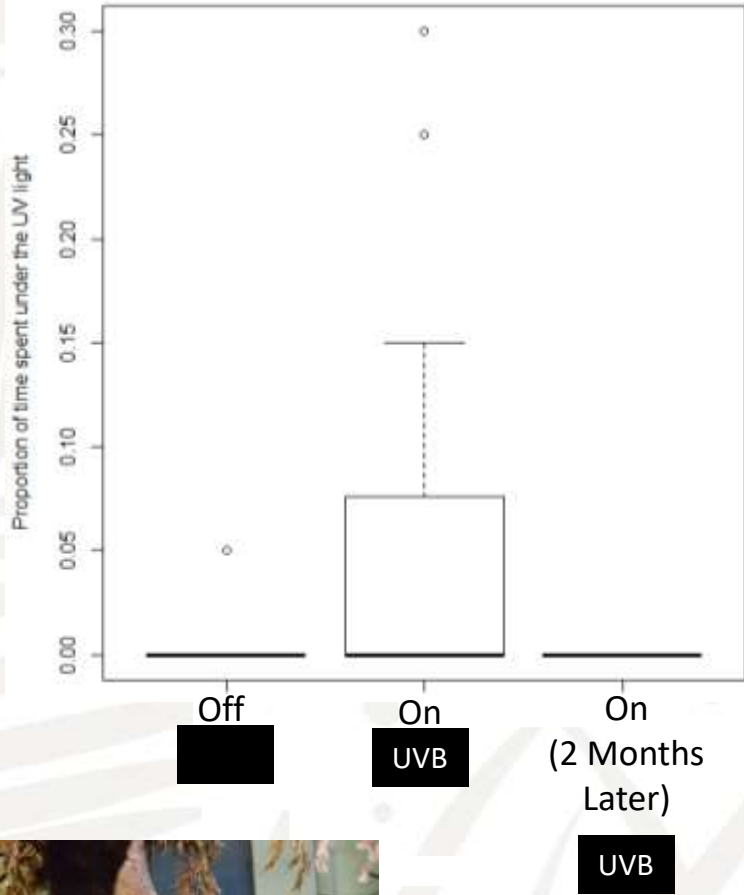
Ring-tailed lemur (9.0)



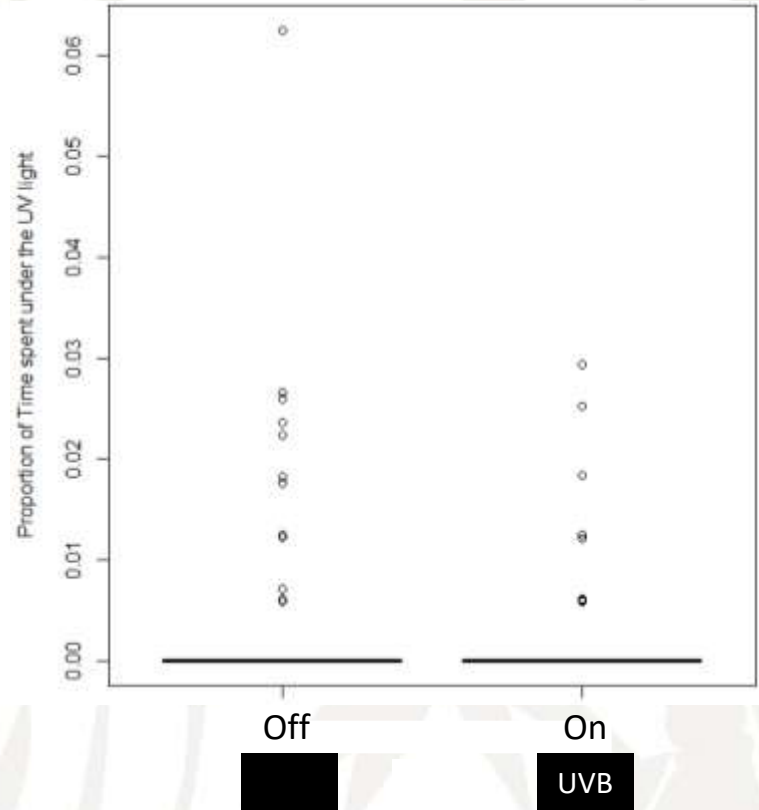
Brown spider monkey



Geoldi's monkey



Ring-tailed lemur



Conclusions

- Provide artificial UV seasonally
- Provide long-term monitoring
- Provide additional incentive
- BIAZA Mammal Working Group, Primate Focus Group

