Make device

With GPS

No WiFi

Battery size – total device size and weight

Ideally on top of neck, using head collar, with batteries below.

Need waterproofing box

Robust against rolling

Wires to battery

(Perhaps use 3d printer?)

Check video against Arduino records

States:

Grooming each other

Walking

Trotting

Cantering

Eating short grass

Eating hay etc

Video controlled short activities with prototype, before ruggedizing.

GPS:

1 Hz if possible.

Ideally, only do this if theey are moving