



**Figure A1.** (a) Photos depicting the main components of radio frequency identification (RFID) technology; i- Antenna on a wood spacer block to have antenna at level of cavity entrance that records the time and unique identification number associated with each PIT tag detection, ii- RFID unit with computer board which logs events on a SD card, powered by rechargeable batteries, held within weather tight container, iii- PIT tag secured to plastic coloured leg band coated with liquid rubber. (b) Bar plot showing the average number of visits by male and female purple martins when either a provisioning event or no provisioning event occurred. (c) Bar plot showing the average number of visits that did not involve a provisioning event that involved fecal sac removal or no fecal sac removal by male and female purple martins. Values for (b) and (c) are averages of simultaneous observations of six nest cavities for one hour periods per day over the course of five days late in the nestling period when provisioning events were easily observed due to larger food items being brought and nestlings begging at the nest cavity entrance.