

Data dictionary – “Data for: Chorusing patterns and environmental drivers of an Australian tropical savanna frog community”

Data set: HerveyRange_frog_chorus_rawdata

Variable	Type	Description
night	Date	Date of the night on which recording started (recordings continued past midnight into next day)
site	Character	Site identifier
rec.start	Time	Time recording started in format hhmmss
rec.start.DT	Date-Time	Date and time recording started in format d/mm/yyyy hh:mm
mp3.length.mins	Numeric	Length of audio recording in minutes
Num_species	Numeric	Number of frog species detected in the recording
<species>_start	Date-Time	Date and time start of chorus activity of <i>species</i> was detected; in format d/mm/yyyy hh:mm
<species>_end	Date-Time	Date and time end of chorus activity of <i>species</i> was detected; in format d/mm/yyyy hh:mm
<species>_extent	Numeric	Number of minutes of chorus activity of <i>species</i> detected in recording

Species abbreviations in above fields:

Rmarina – *Rhinella marina*, cane toad

Lfallax – *Litoria fallax*, eastern sedge frog

Lperonii – *Litoria peronii*, striped marsh frog

Lrubella – *Litoria rubella*, desert tree frog

Lnastua – *Litoria nasuta*, striped rocket frog

Calbo – *Cyclorana alboguttata*, green-striped frog

Cdesert – *Crinia deserticola*, desert froglet

Lcaerulea – *Litoria caerulea*, green tree frog

Cnovae – *Cyclorana novaehollandiae*, eastern snapping frog

Lconvex – *Limnodynastes convexiusculus*, marbled frog

Lrothii – *Litoria rothii*, northern laughing tree frog

Lterrae – *Limnodynastes terraereginae*, scarlet-sided pobblebonk

Lgracilenta – *Litoria gracilenta*, dainty/graceful tree frog

Cbrevipes – *Cyclorana brevipes*, superb collared fro

Plornatum – *Platyplectrum ornatum*, ornate burrowing frog

Umimula – *Uperoleia mimula*, mimic toadlet

Linermis – *Litoria inermis*, bumpy rocket frog

Data set: HerveyRange_weather_aggregated

Variable	Type	Description
year	Numeric	year
month	Text	month
date	Date	date
temp.min.eff	Numeric	Minimum temperature recorded for the 24 hour period to 9am including the night of recording; degrees Celsius
temp.max	Numeric	Maximum temperature recorded for the 24 hour period to 9am including the night of recording; degrees Celsius
rain.on	Numeric	Rainfall total for 24 hours measured at 9am following the night of recording; mm
rain1	Numeric	Rainfall total for 24 hours measured at 9am preceding the night of recording; mm
rain.tot3	Numeric	Accumulated rainfall total for the 3 days to 9am following the night of recording; mm
rain.tot7	Numeric	Accumulated rainfall total for the 7 days to 9am following the night of recording; mm
moon.illum	Numeric	Percent of the moon illuminated at midnight on the night of recording
day.length	Numeric	Number of day light hours (time from sunrise to sunset)
airtemp.night.ave	Numeric	Average of 3-hourly air temperature measurements made from 6pm to 3am on the night of recording; degrees Celsius
rain.night.total	Numeric	Total of 3-hourly rainfall measurements made from 6pm to 6am on the night of recording; mm
rain.day.total	Numeric	Total of 3-hourly rainfall measurements made from 6am to 6pm on the day recording commenced; mm
relhumidity.night.ave	Numeric	Average of 3-hourly relative humidity measurements made from 6pm to 3am on the night of recording; percent
windspeed.night.ave	Numeric	Average of 3-hourly wind speed measurements made from 6pm to 3am on the night of recording; metres/sec
stationpressure.night.ave	Numeric	Average of 3-hourly air pressure measurements made from 6pm to 3am on the night of recording; hectopascals (at station altitude)

Data set: HerveyRange_frogchorus_weather:

This data set is collated from the above data sets 'HerveyRange_frog_chorus_rawdata' and 'HerveyRange_weather_aggregated'.

The <species>_extent (columns C–S) give the number of minutes of chorus activity of the species detected in the audio recording, and the remaining columns give the environmental data on the observed night. Please see above tables for species abbreviations and data descriptions.