**1999**

**2000**

**2001**

**2002**

**2003**

Notes from yellow rite in the rain:

* Just says “lost cause?” ☹

Has some watch IDs with weird nests

* E/F/G/H, W1, X/Y/Z

**2004**

**2005**

**2006**

**2007**

Notes from yellow rite in the rain:

* Seems like most raw data sheets are missing
* Not sure how to rectify without raw data sheets
* Do this year
  + 🡪 not sure when I wrote that or whether I eventually got to it or not…

Things I did

* Deleted watch periods that were just ROST nests (03/02/2021)
* Added 08:40 as end time for 2007\_004
  + (03/02/2021)
  + Based on the start time and the fact that the watch duration said 180 min and that the last observation recorded was at 8:38AM
* Added 20:00 as end time for 2007\_005
  + (03/02/2021)
  + Based on the start time and the fact that the watch duration said 180 min and that the last observation recorded was at 19:54
* Added 08:30 as end time for 2007\_010
  + (03/02/2021)
  + Based on the start time and the fact that the watch duration said 150 min and that the last observation recorded was at 8:25AM
* Added 20:00 as end time for 2007\_006
  + (03/02/2021)
  + Based on the start time and the fact that the watch duration said 160 min and that the last observation recorded was at 19:56
* Added 18:45 as end time for 2007\_008
  + (03/02/2021)
  + Based on the start time and the fact that the watch duration said 35 min and that the last observation recorded was at 18:43 AM
* Added 13:00 as end time for 2007\_015
  + (03/02/2021)
  + Above reasons
  + BLIND TIME sheet in “COTE feeding 2007” excel sheet
* Added 12:00 as end time for 2007\_028
  + (03/02/2021)
  + Above reasons
  + BLIND TIME sheet in “COTE feeding 2007” excel sheet
* Added 8:40 as end time for 2007\_007
  + (03/02/2021)
  + This end time was as per the BLIND TIME sheet in “COTE feeding 2007” excel sheet and in concordance with the watch duration listed there and in T-feeding
  + **DONE** (changed end time to 7am on 3/8/21) I don’t think that 8:40 was actually when the watch ended. I think they ended at 6 because the last recorded feeding was at 6:57 and there were very steady feeding events every few minutes previous to that last record. So, I think that the end time should be 7:00AM. So:
    - Change watch end to 7:00 am and change watch duration accordingly
* Added 17:25 as end time for 2007\_012
  + As per BLIND TIME sheet in “COTE feeding 2007” excel sheet
  + This also checks out in terms of the last observation which was at 17:25
* Added 17:25 as end time for 2007\_014
  + Same reasons as above
* Deleted two observations
  + They claimed to be nests 207 and 205 but they were smack dab in the middle of a watch that was supposed to only be ROST nests. There is a R207 and an R205, but no COTE nests called 207 or 205, so I think that the data were supposed to say that it was from R207 and R205 but got entered as COTE data on accident because the Rs were missing so anyway, I deleted them but they are still as they were in the “COTE feeding 2007” excel sheet. They are the only two “non-ROST” feedings from 7/18/07
* Added 8:40AM end time to 2007\_009
  + (03/02/2021)
  + As per last recorded obs and blind time sheet from “COTE feeding 2007” excel sheet and watch duration
* Added 20:00 as end time for 2007\_027
  + (03/02/2021)
  + Same reasons as above
* Added 17:45 end time for 2007\_034
  + (03/02/2021)
  + Same reasons as above
* Other end times I added for the same reason as above
  + (03/08/2021)
  + \_037🡪 14:51
  + \_038 🡪 15:00
  + \_030 🡪 18:21
  + \_029 🡪 11:55
  + \_035🡪 COTE time in “cote feeding 2007” sheet makes it seem like the end time should be 11:50 but I don’t think that is what actually happened so I made the end time 10:10 cuz it seemed more like that’s what happened based on the data. So I also changed the watch duration.
  + \_011 🡪 13:41
  + \_013🡪 20:00
  + \_001🡪8:40
  + \_002🡪20:00
  + \_003🡪20:00
  + \_031🡪14:45
* Added nestIDs, number of nests watcted, and watch duration for 2007\_039
  + Used nests as they were writted in COTE TIME on the “COTE feeding 2007” excel sheet (so I used the nests that were listed there rather than just the ones that got observed in the data)
  + Added watch duration based on start and end times
* Filled in watch IDs for observations in the following (i.e. there weren’t watch IDs for all the rows but there were for start and end
  + 03/08/2021
  + \_037
  + \_030
  + 029
  + 011
  + 013
  + 002
  + 001
  + 003
  + 005
  + 010
  + 006
  + 012
  + 015
  + 007
  + 008
  + 009
  + 027
  + 014
  + 028
  + 034
* Three observations from watches on 6/22/07 were labelled as \_029 but they should have been \_035 (based on observer and nest IDs) so I relabeled them as such
  + 03/08/21

Split what was formerly all 2007\_014 into two watch periods

* Did this because there was a note in the middle that said “took break” and gave very clear time period for the break
* So I split it into \_014a for the first half and \_014b for the second half

Misc TO DO:

* There are a chunk of feedings from 7/12/07 that are really good data but they don’t have a start or end time
  + There is no record of the watch in the “Blind Time” tabs in the google sheet “COTE feeding 2007”, but it was Dan who took the data so it was most likely a fluke that he just decided to do it but didn’t put it into blind time recordings
  + Anyway, I think that I want to make a start and end time and turn it into a real watch (i.e. give it a watch ID), but there isn’t a super obvious start and end time (the first and last recordings are at 10:29 and 13:09)
  + DONE: created new watch ID (2007\_040)
    - Deleted first to subset the watch (first obs was 10:29, so I deleted it and started the watch at 10:30, last obs was at13:09 so I just stopped the watch at 13:10 since the last obs was at 13:09). Added number of nests observed and nestID for those nests (just wrote down the nest IDs that were listed in the observations which are also the same nests as are listed in the blind time sheet in “cote feeding 2007)

Data I am confident in, data I have yet to explore for quality, data I don’t yet trust, data I hesitantly trust

* Dates
* Watch ID
* Watch duration (min)
* Watch duration (mm:ss) 🡪 this is just formatted super off like when you click on the cell it gives a timestamp i.e. 165:00 ends up being 2:45:00AM… so this column is pretty useless in reality>
* Number of nests observed
* Event Time
* Event
  + Not sure of this because I think at some point, we went in and changed some of this to say feeding? I don’t think that they had a column for event
  + So I suspect that we went in and made all of these into “feeding” events, but I doubt someone went in and made sure that each was what we would designate a feeding (for example, they have observations where there is a “teaser parent”, we wouldn’t call these a feeding nor would we even include that observation. )
* NestID
* Unique nest ID
* Received by
* Unique chick ID
* Prey item
* Prey Size
  + Ok, so all of the data as they are recorded in the “COTE feeding 2007” sheet use the size codes and none of the raw data sheets that we have in hand indicate that there were any techs that were recording lengths in inches, so I am tempted to say that the lengths from this year are trustworthy
* Observer
* Provided by

IS IT DONE? 🡪 YES

HOW DO YOU KNOW?

* All watch IDs have start and end times that line up
* There are no stray observations
* Checked for missing data in 3 watches from raw sheets and didn’t find anything suspicious

**2008**

**2009**

**2010**

Notes from yellow rite in the rain:

* What does “\*” mean
  + 🡪 this isn’t important I don’t think
* Length recorded in inches in some instances
* There are some watches in t-feeding that are empty/missing data and also aren’t in the raw data sheets
* Remove ROST observations
  + 🡪 I don’t remember if I did this already, but should check
* Is 2010\_007 a real no data watch? i.e. were there no fish? Or was that a watch that didn’t get done?
* **Missing data** from watches
  + 🡪 investigate how much
  + There are watches were some of the observations (i.e. rows) from the raw data are present in t-feeding while others just aren’t. the extent of this issue is unclear
* Delete “feeding” as a label from event for observations with “teaser parent” because we wouldn’t have recorded those data 2017-2020?

Things I did on 3/8/2021

* Deleted the R52 from nestID and updated # nests accordingly for 2010\_003
* For 2010\_057 I added the nestIDs and adjusted the number of nests observed
  + For # observed I just did the number that were observed in that watch as I didn’t really see anything in any other doc that helped know whether there were any other nests that someone would have been watching at that time
  + This was also a watch that I had worked on previously (it was highlighted orange which was something I was doing while working with data last month)
* Added number of nests and watch duration for watch 2010\_058
  + Based on raw data sheet
  + Added JMG as observer based on handwriting and the sheet it was on in the raw data (other observations on the same sheet with the same handwriting were JMG and ppl in this year had really distinguishable handwriting)
* Empty watches
  + \_007: not in “feedings” in “COTE feeding 2010” excel sheet nor is it in the raw data, it is just listed in “Blind Time”… what even is blind time ☹ need to reach out to carloni
  + \_029: data are in “feedings” in “COTE feeding 2010” but never made it into T-feeding
    - TO DO: ADD THESE DATA
    - These data are also in the raw data sheets
  + \_047: not anywhere (“feedings”)
  + \_036: this is in the raw data (literally in the start/stop time column it says 11:10-12:30 and then there are no obs and a new one starts) so I would count this as a best chance of being a real empty watch (by real I mean they actually did the watch and didn’t see anything)
* Added “empty watch” column to data sheet
  + Will likely delete this later
  + I just want this in there for now in case I want to get to all of the empty watches easily

Rand notes

* \_058 was highlighted in orange which I think means that a month ago I had some question about it. I am assuming that it had to do with the watch duration and some other data being missing but I am not entirely sure. Anyway, I removed the highlight. 🡪 3/8/21
* \_049 was also highlighted as described for \_058 but I really don’t know why
  + Hoping it was just mixed up because of confusion from that day of watches in general
  + Anyway, I removed the highlight 🡪 3/8/21
* Changed time on feeding in \_003 from 7:01 to 6:41 as per “COTe…”

Missing data THIS IS THE BIG ISSUE FOR THIS YEAR of DATA

* \_018 missing half of its observations in t-feed 🡪 to do: enter from raw
  + for not good reason that I can see
  + The observations are all there in the feeding sheet in “COTE Feeding 2010”
  + They are also in the raw data?
* \_032 is missing about half of its obs in t-feed🡪 to do: enter from raw
  + They are also in “COTE Feeding 2010”
  + They are in the raw data and a few are crossed out but there are others that aren’t crossed out there are in the data in excel so…
    - So for reference, there are 3 observations that made it to t-feed, there are 7 in the “COTE feeding 2010”, and there are 12 total in the raw data sheet (1 of which is from a nest that claims to not have been included in the official watch and 4 others of which are crossed out)… so it seems like what is in the “COTE Feeding 2010” sheet is really what should have made it over to T-Feeding but it didn’t so… idk if Jess had a reason or not but…
* \_019🡪 to do: enter from raw
  + This watch is missing almost all of its data in t-feed (it has 1 row). There are tons of observations in the raw data and in “COTe Feeding 2010” which is only missing a single row (the first row in the raw data)
* \_033🡪 to do: enter from raw
  + Seems to be missing it last observation w in t-feed
    - The obs is in the raw data and in “COTE…” excel sheet
* There is a watch on 6/30/10 from 2:10 to 2:35 that doesn’t seem to have made it into t-feed 🡪 to do: enter from raw
  + It is in the raw data
  + Also missing from “COTe Feeding…”
* \_034🡪 to do: enter from raw
  + Missing last observation which is present in the raw data and in the “COTE…” sheet
* \_020 🡪 to do: enter from raw
  + Missing a lot of obs that are in the raw data
  + Some, but not all, of the data that are missing are also in the “COTe…” sheet

TO DO

* Unique nest IDs for some observations 🡪 DONE 3/8/21
* Unique chick IDs for some observations 🡪 DONE 3/8/21
* What to do with empty feedings?
  + \_007,\_029,\_036,\_047
    - Add \_029 data from “COTE feedings 2010” to t-feeding?

PROGRESS i.e. where I stopped working and need to pick up

* On 3/8/21 I ended having
  + Completed describing the missing data in all of the watch periods from 7/1/10 and earlier

**2011**

**2012**

Notes from yellow rite in the rain:

* The times of the feedings were entered wrong throughout this
  + 🡪 pretty sure I went and fixed all of that
  + Event time was messed up but the raw data and time departed column in t-feeding were enough to get the real start times
* What’s up with the “X” nest IDs? They aren’t included in t-feeding data but they are in the raw data. They are listed in “nests observed”
  + 🡪 deleted them from the nests observed count so this should be rectified at this point
* Recalculate time for watch periods for which I redid observation times
  + 🡪 I think I likely did this already
* Is 2012\_009 missing from raw data and empty in t-feeding excel sheet? Same with 2012\_007 and \_008

**2013**

Notes from yellow rite in the rain:

* The times of the feedings were entered wrong throughout this
  + 🡪 pretty sure I went and fixed all of that
  + Event time was messed up but the raw data and time departed column in t-feeding were enough to get the real start times
* Length data entered as bill lengths but are in inches in the raw data in most cases
* Whats going on with rows with feedings on 6/28 from 6:20-18:36
  + Two of them seem like repeats from the 9:30-10:10 watch (2013\_031) so was that all one watch and the raw data are gone?
  + 🡪 im not sure what this is about or if I fixed it at all
* Sometimes it says “unknown adult” in received by column instead of unknown chick (labelled as “U” in raw data which is supposed to mean unknown chick but maybe they used it to mean unknown adult?
  + It seems like too many unknown adults fed by “parents”
* What to do about A/B/C nests? They are in nests watched column but not entered as observations leading to some empty obs periods
  + 🡪 im pretty certain that I deleted all of the A/B/C nests and adjusted the nests watched number

**2014**

Notes from yellow rite in the rain:

* Just says “needs help”

**2015**

**2016**

No data

**2017**

**2018**

**2019**

**2020**