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A Longitudinal Study of Language Adaptation at Multiple Timescales in Native- and Non-Native Speakers

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LabChemistry\_IS2\_20160413\_Camera1\_Seg10.pdf

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Setting: Lab, immobile video camera, quiet
Participants: IS2 (wearing a mic), S2 (asian, male, 2:02), S2 (male, 2:07), S3 (person recording video), S4 (off screen, female, 4:55), S5 (off screen female @7:44), S6 (male, off screen, @8:58), S7 (female, ponytail, red shirt under white lab coat), S8 (female, black bun), S9 (female, black attire), S10 (male, hard to see @14:56), S11 (female off screen, @15:38)

```
XXX IS2:
           boiling ((to S1 about the experiment))
XXX S1:
XXX
           just gotta wait
XXX IS2:
           get done (.) after one hour
XXX
           ((saying you'll be done in an hour))
XXX S1:
           yea
XXX S2: do you speak Canto, ((to S1))
XXX S1:
          I speak Mandarin,
         but uh:
XXX
XXX IS2: where are you from?
XXX S1:
          I'm from Fujo
XXX IS2: Fujo?
XXX S1: ((nods))
           ((unclear))
XXX
XXX
           yea um:
XXX
           I speak Mandarin,
XXX
           but uh:
XXX
           I also (.) also know howta speak Canto=
XXX S2:
           =Canto?
XXX
           WOW
XXX
           [he speaks Canto ((points at IS2))
XXX S1:
          [and also
           and also Fujianese
XXX
           oh Fujianese
XXX IS2:
XXX
           it's a- I mean the (.) dialect
XXX S1:
           huh
           is uh (.) just local language
XXX IS2:
XXX S1:
           yea
XXX
           ((unclear))
XXX S2:
         that's crazy
XXX IS2:
           yea
XXX S2: ((to IS2)) do you talk to anybody in this class↑ in Chinese?
XXX IS2
           sure
XXX
           why not? ((laughs))
```

```
XXX S2:
          yea
XXX IS2:
          ((points at someone))
XXX
          her
XXX S2:
         oh ok
XXX IS2: ((laughs))
XXX S2: oh she speaks Canto too?
XXX IS2: yea
XXX S2: that's cool
          that's always fun right,
XXX
XXX
          you find someone here that
XXX
          yea
XXX
          [((unclear))
XXX IS2: [but normally we don't say
     you know
XXX
XXX S2: oh really?
XXX IS2: yea
XXX S2: same here=
XXX IS2: =even though we (.)
        so but in a lab
XXX
XXX
          I mean in my lab=
XXX S2:
          =yea
3:00
XXX IS2: we- uh- I only have two Chinese (.) [right here
XXX S2:
                                              [oh
XXX
          do they speak Chinese?
          like uh Canto?
XXX
XXX IS2: yea:
XXX
          sometimes but not always
XXX
          yea
XXX S2:
          WOW
          ((someone starts talking to S2 and he walks towards them))
XXX
XXX
          what?
XXX
          ((IS2 walks around))
          huh? ((S1 says something he did not catch))
XXX IS2:
XXX S1:
        Do you speak Canto or Mandarin
XXX IS2: Mandarin
XXX S1:
          0:
XXX
          ((pause as S1 washes glass))
          you're not allowed to [speak it-
XXX
XXX IS2:
                                [you know both of them
XXX S1: yea
XXX IS2: really?
XXX S1:
          yea
XXX
          ((speaks Chinese together from 3:38-4:07))
XXX IS2: ((laughs and walks towards camera))
```

```
XXX
           ((speaks to person behind the camera))
XXX
           does it matter I say a little bit Chinese?
XXX
           ((laughing)) really? (.1)
XXX
           is it-
XXX
           I-I mean does it influence the quality of the recording.
XXX
           ((inaudible response from S3))
           ok°
XXX
XXX
           oh it just focus on the: (.) the interaction with (.) with
           the students about
XXX
XXX
           ok
           ((unclear response from S3))
XXX
           oh you don: uh n-need lot- much of them.
XXX
XXX
           you just (.) uh:
XXX
           ((unclear)) the:
           the- the- the (.) ((unclear))
XXX
XXX
           ok ok ((walks away off screen))
           ((pause))
XXX
XXX S4:
           Yon°
XXX IS2:
           yup
XXX S4:
           it says that I need to start with the thirty percent or
XXX
           something,
XXX
           do I need to keep it?
           or: (.) do I increase it?
XXX
XXX IS2:
         uh ((.2))
           it says
XXX S4:
XXX
           ((pause))
XXX IS2:
           so: (.2)
XXX
           so: (.) uh:
XXX
           yea
           so this is the: (.1)
XXX
XXX
           oh this a percentage right?
XXX S4:
           yup=
XXX IS2: =this is the percentage.
XXX S4:
           yup
XXX IS2:
           but uh
XXX
           so
XXX
           the- the- point ↓ is you need to let it (.) reflux.
XXX
           so the-
XXX
           the point for the re- for the reflux is you- you- you
XXX
           should have see some
XXX
           you know
XXX
           some uh: (.1)
           uh vapor (.1)
XXX
XXX
           uh rising↑ (.) and down.
XXX
           so that is the: point for the reflux.
```

```
XXX
           so if you cannot see the some vapor out of,
XXX
           so: from the (.) solution,
XXX
           probably you need add a little bit
XXX S4:
          [so:
XXX IS2:
          [and ju-
XXX
         but=
XXX S4:
          =I see the vapor going up
           do I need to see the vapor going up?
XXX
XXX
           can I see the (.)
XXX
           I don't see anything ((unclear))
XXX IS2:
           yea
XXX
          probably you need to add. (.1)
           so: for the most part-
TTF
           for the most students
TTF
TTF
           uh:
TTF
           it sh- uh: up to the:
6:00
TTF
           f- uh: (.) forty five
         forty five?
XXX S4:
XXX IS2:
          yea (.3)
XXX
          m
TTF
           but you need to: keep an eye on- keep an eye on,
TTF
           keep an e- eye on here,
XXX
           so:
XXX
           make sure (.) the vapor
XXX
           even though it is only but
XXX
           doesn't- but it doesn't mean (.)
XXX
           the vapor wi-wi-will (.) will come out
XXX
           so: yea
XXX
           just make sure the (.)
XXX
           you can see the vapor come out ↑ (.) as
           a- and after you- uh the vapor uh:
XXX
XXX
           have a contact with this condenser
XXX
           the vapor will (.) (cooling) down right,
XXX
           so just make sure you can see this process
XXX S4:
           so:
           what if it's too light?
XXX
XXX
           is there anything that's too much of ((unclear) that I need
XXX
           to turn it down?
XXX
          or
XXX IS2: oh no
         you don't need to
XXX
XXX S4: so it's forty five minutes
XXX IS2: yea
          as long as it's vapor
XXX
```

```
XXX
          so- so so that's why you need to:
          th- the- the the sa-
TTF
XXX S4:
          ((unclear))
XXX IS2: >yea yea yea<
XXX
        I think=
XXX S4: =that's good=
XXX IS2: =ye:s that's good yea
XXX S4: thank you
XXX IS2: yea
XXX
          ((no dialogue 6:54-7:41))
7:41
XXX S5:
          uh
          are we supposed to return the (.) mantle to the: uh
XXX
XXX
          stockroom?
XXX IS2: uh sure
XXX
          and also the stir bar.
XXX
          >did you get the stir bar out of it?<
XXX S5
          yea=
XXX IS2: = ye
XXX
         oh you- you used the stir ((unclear))
XXX S5: the stirring bar?
XXX IS2: yea
XXX S5: yea I have it ((unclear))
XXX IS2: it is out?
XXX S2: what setting should I do the stirring on?
XXX IS2: in the middle I think is fine=
XXX S2: =in the middle yea
XXX IS2: yea
XXX S2: ((seen walking away from IS2))
XXX IS2: I mean so: you have the:
XXX
          SO
XXX
          if you a- are you finish- you done?
XXX S5
          yea I just need to cool down
XXX IS2:
          ok
XXX
          once it is done,
XXX
          so: ask (
XXX
          for the: (stirman),
XXX
          so:
XXX
          they will have you to get the stir bar out of the,
XXX
          and you need to r-
          uh return (.) both the stir bar and the: hot plate
XXX
XXX S5:
          ((no dialogue 8:23-8:58))
XXX
XXX
          ((IS2 seen on screen using phone, walks back off screen))
XXX S6:
          excuse me
```

```
9:00
XXX
          who grades the labs?
XXX
          just out of curiosity
TTF IS2:
         (.2) [uh I'm I'm I'm u- uh:
XXX S6:
               [is it the teacher?
          or is it the TA?
XXX
XXX IS2:
        so if you want to regrade them,
XXX S6: yea=
XXX IS2: =so uh:
XXX
          you can (.) fill out a form,
XXX S6:
          yea yea [I found it
XXX IS2:
                   [and uh:
XXX S6:
          I just
XXX
          (.01)
XXX IS2: [oh I
XXX S6:
         [cus
XXX IS2: oh
XXX S6: cus (.) I have
XXX
          it says- you know I spoke with her but I do have marks↑ for
XXX
          like both of those,
XXX
          and then large overlapping spots but that was the mix-
XXX
          that was the original.
XXX
          so (.) why is that a problem?
XXX IS2:
          oh ok
XXX
          so:
          I think in a- in a- in a- in a moon,
TTF
TTF
TTF
          in a mi- mid moon,
TTF
          so you will see the m uh:
          (gradient) scheme,
TTF
XXX
          for the: for- for the spot,
XXX
          and the (still)
          if you follow them
XXX
          if you still have some questions
XXX
XXX
          you just fill out the (reform)
XXX
          because I'm not responsible for the ((unclear))
XXX S6:
          [yea no no I understand
XXX IS2:
          [and uh:
XXX
          yea
XXX
          so yea=
XXX S6:
          =like I did put this on upside down but
          [it's obvious that that's the origin
XXX
XXX IS2: [yea yea I see yea yea yea
XXX S6:
          and there's the marks
XXX
          so
```

```
so- oh this is the [solvent ((unclear)) right,
XXX IS2:
                              [yea that's the solvent line
XXX S6:
           [and they didn't
XXX
XXX IS2:
          [oh yea
XXX
          because (.) probably the-
          they may not see very clearly or something else
XXX
XXX
          so yea (.) just
XXX
          yea (.) any question just fill it out
XXX S6:
          ok
XXX IS2:
          and give it to the:-
          and how long do I have to- when do I have to have the (.)
XXX S6:
          the regrade form in by?
XXX
         is it like a week?
XXX
XXX
          or:
XXX IS2:
          uh:
XXX
          I that think by (.) by the: end of the next semes-
XXX
          uh: not semester ((laughs))
XXX
          by the end of next uh:
          session
XXX
XXX S6:
          ok
XXX IS2: yea°
XXX S6: alright
XXX
          I'll have it-
XXX IS2: but ((unclear)) just go to s- just give to the ((unclear))
XXX
          yea (.)
          if you want
XXX
XXX S6:
         oh right now?
XXX IS2:
          yea right now is fine,
          uh: normally
XXX
XXX
          so
          the- uh she will uh:
XXX
XXX
          let you to see the: grading (scheme) first,
XXX S6:
         mhm_{,} =
XXX IS2: =so if
XXX
          because
XXX S6:
         ok=
XXX IS2: =e- uh- every TA will follow the scheme (.) [to:
XXX S6:
                                                       [ok
XXX IS2: to give the grade
XXX
          so yea
XXX S6:
          ok I just - I just noticed like this
          my only issue is that I see a bunch of things that (.)
XXX
XXX
          it says no=
XXX IS2:
          =yea it's fine
XXX
          yea yea=
```

```
XXX S6:
          =but they're there
XXX IS2:
          [yea
         [and I'm not sure what that is
XXX S6:
XXX
           ((unclear)) effluent?
XXX
          ((pause))
          (in lieu::) (.1)
XXX IS2:
XXX S6:
          like I'm not sure what they're trying to say
XXX
          (.2)
          ((unclear))
XXX IS2:
XXX
          (.2)
          I don't know
XXX
XXX S6: cu:s I'm not sure what the question↑ is
XXX
          cus I'm pretty sure these are the things we needed to
XXX
          measure out,=
          =but° (identify in the)
XXX IS2:
XXX
          ((mumbling reading))
          so make sure you also mention the (eluting) solvent
XXX
XXX
          oh: (el-eluting) solvent?
XXX S6:
         mhm
XXX IS2: which is eluent,
XXX
        ((pause))
XXX S6:
          ok.
         well I mean I have this-
XXX
XXX IS2: I- I'm probably should be (.)
XXX
         uh: here
         refer to here
XXX
XXX S6:
         oh ok (.1)
XXX
          alright
XXX IS2: everything is on there
XXX
        yea just (.1)
XXX S6:
         yea=
XXX IS2: =see the:
XXX S6: I'll submit the [((unclear))
XXX IS2:
                           [(just skim) first
XXX
        ok
         ok (.) thanks
XXX S6:
XXX IS2:
          yea
XXX
          ((pause)) ((TA seen walking on screen))
XXX S7:
          hey just one question
XXX
          I was wondering why did I get the two points off here?
XXX IS2:
          ok
XXX
          so uh:
XXX
          do- go to the black board ↑ and see the grade scheme
XXX
          because I'm not responsible for those part,
12:00
```

```
XXX S7:
           [ok
XXX IS2:
           [I- I don't know either,
XXX S7:
           ok=
XXX IS2:
           =yea yea
XXX
           if you still have some questions
XXX
           that- you can fill out the regrade form↑ [or something yea
XXX S7:
                                                       [ok
XXX
           [alright
XXX IS2:
           [just check the: grading scheme first,
XXX S7:
XXX IS2:
           and then: if you are fine with that ((shrugs))
XXX
           yea
XXX S7:
           ok
XXX
           you don't- you don't grade them [so you wouldn't know
XXX IS2:
                                              [>no no no<
XXX
           no
XXX
           ((S7 nods))
XXX
           I just grade the first个
XXX
           the >the- the- the< first uh experiment
XXX
           ((S7 nods))
           the boiling
XXX
XXX
           uh
XXX
           the distillation,
XXX
           >yea yea yea<
XXX
           and the rest of em
XXX
           so the other two will grade the rest of them
XXX S7:
           oh ok
XXX IS2:
           yea yea
XXX
           so: I don't know either
XXX S7:
           ok=
XXX IS2:
           =yea
XXX
           ((S7 walks away, IS2 follows shortly))
XXX
           because I don't have the ↓ (.) scheme
           yea°
XXX
XXX
           ((IS2 walks away off screen))
           ((no dialogue 12:33-12:53))
XXX
12:53
XXX
           ((to entire class)) so guys
XXX
           uh: when you finish the: reflux
XXX
           please let the: TA know uh:
XXX
           because uh
XXX
           you need to get the stir bar out of your rbf
XXX
           and you need to return (.) the hot plate
           and the (.) the stir- uh the stir bar uh
XXX
           give to the- return to the uh
XXX
```

```
XXX
          stock room
          ((no dialogue 13:09-13:35))
XXX
13:35
XXX S8: ((unclear)) back to the stockroom?
XXX IS2: sure
         and also the stir bar
XXX
XXX S8: how do we take it out?
XXX IS2: yea
XXX
          give it to me↑ and I will take it off for you
XXX
          can you- uh: yea ((pointing @ something and talking to
          another student S9))
XXX
XXX S9: are we grading them?
XXX IS2: no ((laughs, picks up something))
XXX S9: oh: we (.) yea right
XXX IS2: yea
XXX S9: oh: yea
XXX IS2: I-I-I-I to- I-I-I told them
XXX
          ((walks away off screen, roaming around))
          ((13:52-14:54 no dialogue))
XXX
XXX
          ((sees someone approaching, walks faster to them))
14:54
XXX S10:
          what's the other compound we were supposed to write?
XXX
          ((pause))
XXX IS2: identify the compound connected in part b step ten,
          ((reading off paper))
XXX
XXX S10: ((unclear))
XXX IS2: because some point off, (.1)
XXX
         because some (.) point-
XXX S10: yea I got (.)
XXX
         I (.1) think it's supposed to be two point six
XXX IS2: ok
          uh: (.1)
XXX
          check the: grading scheme in the blackboard
XXX
XXX
         and uh:
XXX S10: did they have the answers there?
XXX IS2: yea sure
XXX S10: they do?
XXX IS2: yea
XXX S10: oh I didn't [know
XXX IS2:
                      [right now (.1)
XXX
     so check them
XXX S10: [ok
XXX IS2: [and uh:
XXX
         if you still have >any questions<
XXX
          and uh (.1)
```

## Ethno Studies LabChemistry IS2 20160413 Camera1 Seg10

```
XXX S10: ok
XXX sounds good
XXX IS2: ok
       you can ask me°
((walks away))
XXX
XXX
         ((someone calls IS2))
XXX
XXX yea ((walks towards her))
XXX S11: ((unclear)) with this question
XXX IS2: (.2) which question?
XXX S11: the th- the third one yea°
XXX ((.2))
XXX IS2: what's your answer?
XXX how do you answer this?
XXX S11: I said it's hard to separate,
        because the: green part will (.) uh
XXX
XXX
        (pollute) the: yellow one,
XXX IS2: ((unclear)),
XXX with a much larger
```