# -------- Changes made by Clara B. 2019-06-21 ------- #

001 TRO\_LAU\_RH 0 -> NA

TRO\_LAU\_T 0 -> NA

003 ok

004 ok

005 CO2\_BR3 0 -> NA on 7/21/2016 8:06

006 ok

007 CO2\_BR3 0 -> NA on 7/28/2016 22:54

RH\_BR3 0 -> NA on 7/28/2016 22:54

008 ok

009 ok

010 CO2\_BR1 0 -> NA from 9/22/2016 9:39 to 9/22/2016 9:40

011 ok

013 ok

015 CO2\_BR4 0 -> NA on 8/27/2016 0:32

CO2\_BR1 0 -> NA from 8/27/2016 0:32 to 8/27/2016 0:33

CO2\_BR2 0 -> NA on 8/27/2016 0:31

CO2\_BR3 0 -> NA from 8/27/2016 0:32 to 8/27/2016 0:33

CO2\_IAQ 0 -> NA from 8/27/2016 0:33 to 8/27/2016 0:34

RH\_BR4 0 -> NA on 8/27/2016 0:32

RH\_BR1 0 -> NA on 8/27/2016 0:32

RH\_BR3 0 -> NA on 8/27/2016 0:32

RH\_BR2 0 -> NA on 8/27/2016 0:11

RH\_IAQ 0 -> NA on 8/27/2016 0:33

016 ok

017 ok

019 CO2\_IAQ 0 -> NA on 2/13/2017 9:51

CO2\_BR1 0 -> NA from 2/13/2017 9:51 to 2/13/2017 9:52

CO2\_BR2 0 -> NA on 2/13/2017 9:51

CO2\_BR3 0 -> NA on 2/13/2017 9:51

CO2\_BR4 0 -> NA on 2/13/2017 9:52

RH\_BR3 0 -> NA on 2/13/2017 9:51

021 TRO\_TO1\_RH 0 -> NA

TRO\_TO1\_T 0 -> NA

024 CO2\_IAQ 0 -> NA on 2/20/2017 20:27

CO2\_BR2 0 -> NA on 2/22/2017 22:39

RH\_BR2 0 -> NA on 2/22/2017 22:39

025 ok

026 ok

027 ok

028 CO2\_IAQ 0 -> NA from 3/17/2017 10:47 to 3/17/2017 10:48

RH\_IAQ 0 -> NA on 3/17/2017 10:48

029 ok

030 CO2\_OUT 0 -> NA

RH\_OUT 0 -> NA

T\_OUT 0 -> NA

031 ok

032 CO2\_BR4 0 -> NA on 5/27/2017 4:46

034 ok

037 ok

038 TRO\_BA3\_RH 0 -> NA

TRO\_BA3\_T 0 -> NA

039 CO2\_IAQ 0 -> NA on 7/2/2017 20:05

040 ok

041 TRO\_TO3\_RH 0 -> NA

TRO\_TO3\_T 0 -> NA

042 ok

044 ok

045 CO2\_BR2 0 -> NA on 8/28/2017 14:59

047 ok

048 ok

049 ok

050 CO2\_IAQ 0 -> NA on 8/2/2017 18:40

CO2\_BR1 0 -> NA on 8/5/2017 8:03

RH\_BR1 0 -> NA on 8/5/2017 8:03

052 ok

053 ok

055 ok

058 ok

059 CO2\_LAU 0 -> NA

RH\_LAU 0 -> NA

T\_LAU 0 -> NA

063 ok

065 ok

066 ok

068 ok

101 TRO\_LAU\_RH 0 -> NA

TRO\_LAU\_T 0 -> NA

TRH\_GRK\_RH 1 -> real values Mistake when making DataTable

TRH\_BR1\_RH 1 -> real values Mistake when making DataTable

TRO\_BA3\_T T in F -> T in C (F-32)/1.8

102 ok

104 TRH\_GRK\_RH 1 -> real values Mistake when making DataTable

TRH\_BR1\_RH 1 -> real values Mistake when making DataTable

105 ok

106 ok

107 ok

108 ok

109 TRH\_GRL\_RH 0 -> NA

110 ok

112 ok

113 ok

114 CO2\_OUT 0 -> NA from 12/21/2017 9:05 to 12/21/2017 20:39

115 ok

116 TRO\_LAU\_RH 0 -> NA

TRO\_LAU\_T 0 -> NA

117 CO2\_IAQ 0 -> NA on 1/9/2018 17:47

121 CO2\_BR5 0 -> NA on 2/18/2018 14:43 and from 2/19/2018 9:08 to 2/19/2018 9:09

CO2\_BR2 0 -> NA on 2/18/2018 14:43 and from 2/19/2018 9:08 to 2/19/2018 9:09

It seems that there is no BR2...

122 ok

123 TRH\_GRL\_RH 1 -> real values Mistake when making DataTable

124 IBU\_OVN 0 -> NA

125 TRO\_BA3\_RH 0 -> NA

TRO\_LAU\_RH 0 -> NA

TRO\_BA3\_T 0 -> NA

TRO\_LAU\_T 0 -> NA

IBU\_OVN 0 -> NA

127 CO2\_OUT 0 -> NA on 2/16/2018 10:41 and 6855 -> NA on 2/16/2018 10:42

CO2\_BR1 0 -> NA on 2/16/2018 10:43 and 6241 -> NA on 2/16/2018 10:44

to check again

128 TRO\_LAU\_RH 0 -> NA

TRO\_LAU\_T 0 -> NA

129 TRO\_BA3\_RH 0 -> NA

TRO\_LAU\_RH 0 -> NA

TRO\_BA3\_T 0 -> NA

TRO\_LAU\_T 0 -> NA

130 TRO\_BA3\_RH 0 -> NA

TRO\_LAU\_RH 0 -> NA

TRO\_BA3\_T 0 -> NA

TRO\_LAU\_T 0 -> NA

201 ok

202 IBU\_CLB 0 -> NA

203 IBU\_CLF 0 -> NA

IBU\_TOASTER1 0 -> NA

204 IBU\_CLB 0 -> NA

IBU\_TOASTER 0 -> NA

205 IBU\_CRC 0 -> NA

IBU\_OV3 0 -> NA

206 IBU\_OV1 0 -> NA

IBU\_WAFFLEMAKER 0 -> NA

207 IBU\_OV2 0 -> NA

208 ok

301\_OFF ok

301\_ON IBU\_OV2 0 -> NA

302\_OFF IBU\_FP1 0 -> NA

302\_ON IBU\_TOA 0 -> NA

303 ok

304\_OFF IBU\_CCC 0 -> NA

IBU\_CRC 0 -> NA

304\_ON IBU\_CCC 0 -> NA

IBU\_CLC 0 -> NA

IBU\_OV2 0 -> NA

305 IBU\_CCC 0 -> NA

IBU\_OV2 0 -> NA

# ------------------ 2019-09-05 ------------------ #

306 IBU\_CLC 0 -> NA

307 IBU\_OV1 0 -> NA

308 IBU\_CLC 0 -> NA

309 PMout - need to screen out questionable data?

AVP PM2.5 IN1 OK, but BR1, IN2 exactly the same; check PM10, CO2 also

Check IBU

ANM\_WHV - need to check if system was on or off?

401 FRM\_BR1 Just 1 day of data? Check

911 STA\_DFR All 0, likely sensor not installed properly -> NA

915 STA\_DFR All 0, likely sensor not installed properly -> NA

# ------------------ changes made by Yuhan Wang (2019-09) ------------------ #

\* toaster oven: TOV toaster: TS# oven: OV# panini press: PP# rice cooker: RC#

301\_OFF PMout flowrate=0 data removed

301\_ON PMout flowrate=0 data removed

302\_OFF PMout flowrate=0 data removed

302\_ON PMout flowrate=0 data removed

303 PMout flowrate=0 data removed

304\_OFF PMout flowrate=0 data removed

304\_ON PMout flowrate=0 data removed

305 PMout flowrate=0 data removed

306 IBU\_TOASTER rename: IBU\_TS1

PMout flowrate=0 data removed

307 MTR\_CDR NA -> value updated

PMout flowrate=0 data removed

308 IBU\_TOASTEROVEN rename: IBU\_TOV

PMout flowrate=0 data removed

309\_OFF AVP\_BR1 & IN2 duplicate keep BR1, delete IN2

IBU\_CCC-OFF rename: IBU\_CCC 0 -> NA

IBU\_CLC-OFF rename: IBU\_CLC 0 -> NA

IBU\_CRC-OFF rename: IBU\_CRC 0 -> NA

IBU\_OV1-TOP-OFF rename: IBU\_OV1

IBU\_PANINI\_PRESS-OFF rename: IBU\_PP1

PMout flowrate=0 data removed

309\_ON AVP\_BR1 & IN2 duplicate keep BR1, delete IN2

IBU\_CCC-ON rename: IBU\_CCC 0 -> NA

IBU\_CLC-ON rename: IBU\_CLC

IBU\_CRC-ON rename: IBU\_CRC

IBU\_OV1-TOP-ON rename: IBU\_OV1

IBU\_PANINI\_PRESS-ON rename: IBU\_PP1

PMout flowrate=0 data removed

310\_OFF PMin - data starts at day 7? No info found in fieldnotes

IBU\_CCC-OFF rename: IBU\_CCC

IBU\_CLC-OFF rename: IBU\_CLC

IBU\_CRC-OFF rename: IBU\_CRC

IBU\_OV1-OFF rename: IBU\_OV1

IBU\_TOASTER-OVEN-OFF rename: IBU\_TOV 0 -> NA

PMout flowrate=0 data removed

310\_ON IBU\_CCC-ON rename: IBU\_CCC

IBU\_CLC-ON rename: IBU\_CLC

IBU\_CRC-ON rename: IBU\_CRC

IBU\_OV1-ON rename: IBU\_OV1

IBU\_TOASTER-OVEN-ON rename: IBU\_TOV

PMout flowrate=0 data removed

311 ANM\_WHV\_x rename: ANM\_WHV\_BS1

ANM\_WHV\_y rename: ANM\_WHV\_LAU

IBU\_TOASTER-OVEN rename: IBU\_TOV

PMout NA -> value updated, flowrate=0 data removed

312 IBU\_TOASTEROVEN rename: IBU\_TOV

313 IBU\_TOASTER rename: IBU\_TS1

PMout flowrate=0 data removed

314 PMout flowrate=0 data removed

\*

315 IBU\_TOASTER rename: IBU\_TS1

PMout flowrate=0 data removed

316 AVP\_BR1 & IN1 duplicate keep IN1, delete BR1

ANM\_WHV = 0 all the time, but should be WHV = EX\_LAU ON > 0?

PMout flowrate=0 data removed

317 IBU\_TOASTER rename: IBU\_TS1

IBU\_TOASTEROVEN rename: IBU\_TOV

PMout flowrate=0 data removed

318 AVP\_BR1 & IN1 duplicate keep IN1, delete BR1

IBU\_TOASTER rename: IBU\_TS1

PMout flowrate=0 data removed

319 IBU\_TOASTER rename: IBU\_TS1

PMout flowrate=0 data removed

320 IBU\_TOASTER rename: IBU\_TS1

PMout flowrate=0 data removed

321\_OFF Pmin rename: PMin (plot added)

IBU\_CCB-OFF rename: IBU\_CCB

IBU\_CLC-OFF rename: IBU\_CLC

IBU\_CRC-OFF rename: IBU\_CRC

IBU\_OV1-OFF rename: IBU\_OV1

PMout flowrate=0 data removed

321\_ON Pmin rename: PMin (plot added)

IBU\_CCB-ON rename: IBU\_CCB

IBU\_CLC-ON rename: IBU\_CLC

IBU\_CRC-ON rename: IBU\_CRC

IBU\_OV1-ON rename: IBU\_OV1

PMout flowrate=0 data removed

322\_OFF Pmin rename: PMin (plot added)

MTR\_CDR wrong time record (corrected)

IBU\_CCB-OFF rename: IBU\_CCB

IBU\_CLC-OFF rename: IBU\_CLC

IBU\_CRC-OFF rename: IBU\_CRC

IBU\_FP1-OFF rename: IBU\_FP1

IBU\_OV1-OFF rename: IBU\_OV1

IBU\_RICECOOKER-OFF rename: IBU\_RC1

IBU\_TOASTER-OFF rename: IBU\_TS1

322\_ON MTR\_CDR wrong time record (corrected)

PMout flowrate=0 data removed

IBU\_CCB-ON rename: IBU\_CCB

IBU\_CLC-ON rename: IBU\_CLC

IBU\_CRC-ON rename: IBU\_CRC

IBU\_FP1-ON rename: IBU\_FP1

IBU\_OV1-ON rename: IBU\_OV1

IBU\_RICECOOKER-ON rename: IBU\_RC1

IBU\_TOASTER-ON rename: IBU\_TS1

323 PMout flowrate=0 data removed

IBU\_TOASTER rename: IBU\_TS1

324 PMout flowrate=0 data removed

IBU\_TOASTER rename: IBU\_TS1

325 PMout flowrate=0 data removed

IBU\_TOASTER rename: IBU\_TS1

WHV-RETEST not included now, do we want to use it?

326\_OFF Pmin rename: PMin (plot added)

PMout flowrate=0 data removed

IBU\_CCB-OFF rename: IBU\_CCB

IBU\_CLC-OFF rename: IBU\_CLC

IBU\_CRC-OFF rename: IBU\_CRC

IBU\_FP1-OFF rename: IBU\_FP1

IBU\_OV1-OFF rename: IBU\_OV1

IBU\_OV2-OFF rename: IBU\_OV2

IBU\_RICECOOKER-OFF rename: IBU\_RC1

326\_ON Pmin rename: PMin (plot added)

PMout flowrate=0 data removed

IBU\_CCB-ON rename: IBU\_CCB

IBU\_CLC-ON rename: IBU\_CLC

IBU\_CRC-ON rename: IBU\_CRC

IBU\_FP1-ON rename: IBU\_FP1

IBU\_OV1-ON rename: IBU\_OV1

IBU\_OV2-ON rename: IBU\_OV2

IBU\_RICECOOKER-ON rename: IBU\_RC1

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\*401-421: all attic -> ATT OVN -> OV# DPT -> DP#

\*SCA: second common area

401 IBU\_ToasterOVEN rename: IBU\_TOV

402 Plots not displayed add PMin, PMout = NA to enable following script

IBU\_ToasterOVEN rename: IBU\_TOV

403 ok

404 ok

405 AVP\_GRL & SCA duplicate keep: which one is directly connected to BR1?

(typically BR1>SCA>GRL, my guess is SCA)

406 PMI data failure - not included

407\_OFF ok

407\_ON ok

408 ok

409 ok

410 ok

411 ok

412 IBU\_OTC rename: IBU\_InfraredOven

413 ok

414 ANM\_Dehumidifier rename: ANM\_WHV

PLD\_Dehumidifier rename: PLD\_WHV

415\_OFF rename variables using acronyms (messy naming)

AVP\_BR1\_PM25 all 1798.8, delete

AVP\_BR1\_PM10 all 2000, delete

(AVP\_BR1\_T & RH look reasonable, keep)

415\_ON rename variables using acronyms (messy naming)

416 ok

417 IBU\_OTH1(Toaster1) rename: IBU\_TS1

IBU\_OTH2(Toaster2) rename: IBU\_TS2

418 IBU\_CCenterBack rename: IBU\_CCB

419 IBU\_OTH rename: IBU\_TOV

IBU\_CR[Center] rename: IBU\_CRC

420\_OFF IBU\_OTH1 rename: IBU\_TOV

rename variables using acronyms (messy naming)

AVP\_BR1\_PM25 1798.8 -> NA (tail)

AVP\_BR1\_PM10 2000 -> NA (tail)

ATT\_RH ~1.098 -> NA (all), delete

420\_ON IBU\_OTH1 rename: IBU\_TOV

rename variables using acronyms (messy naming)

ATT\_RH ~1.046 -> NA (all), delete

421 IBU\_CCenterBack rename: IBU\_CCB

AVP\_BR1\_PM25 1798.8 -> NA (tail)

AVP\_BR1\_PM10 2000 -> NA (tail)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\* SPH: space heater

\* for 911-916: all delete CLR\_OUT\_tVOC and CLR\_OUT\_eCO2

901 ok

902 AVP\_BR1 (all variables) gap interpolation -> NA (2/8 16:45 - 2/10 19:02)

PLD\_TOA rename: PLD\_TOV

903 ok

904 AVP\_BR1 (all variables) gap interpolation -> NA (2/7 19:53 - 2/8 11:54)

905 ok

906 ok

911 CLR\_IN1 (all variables) gap interpolation -> NA (4/6 5:30 - 4/6 19:00)

AVP\_IN1 (all variables) gap interpolation -> NA (4/6 1:08 - 4/6 10:56)

912 ok

913 PMin have negative data: calibration? NA?

AVP\_BR1\_PM25 1798.8 -> NA

AVP\_BR1\_PM10 2000 -> NA

914 AVP\_BR1 (all variables) gap interpolation -> NA

(4/11 0:01-5:56, 4/11 7:01 - 4/12 00:38, 4/12 1:22-6:03, 4/12 7:19-19:45,

4/14 0:00-2:09, 4/14 23:30 - 4/15 23:27)

915 ok

916 ok

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422 PMin & PMout peak not by a single error

AVP\_BR1\_PM25 1798.8 -> NA

AVP\_BR1\_PM10 2000 -> NA

IBU\_CLB -41.3 -> NA

IBU\_OTH(ToasterOVEN) rename: IBU\_TOV

423 423-AVP-BR1 formerly named as 422-AVP-BR1(corrected)

423-TRH-Attic no such file, delete

424 IBU\_OTH(Toaster) rename: IBU\_TS1

425 IBU\_OTH(Toaster) rename: IBU\_TS1

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209\_ON ok

209\_OFF IBU\_OV2 0 -> NA

210\_ON PMout PMO time is 1hr fast -> corrected

IBU\_OV1 0 -> NA

IBU\_OV2 0 -> NA

210\_OFF PMout PMO time is 1hr fast -> corrected

IBU\_CRC 0 -> NA

211\_ON IBU\_MIC 0 -> NA

IBU\_CLC 0 -> NA

211\_OFF ok

212: not generated yet - note that PMO time is one hour fast

------------ last change: 09/17/2019 Yuhan Wang ----------

----------- Proposed changes (not yet implemented, 2019-11-18) by Rengie ----------

HENGH MetOne outdoor PM

024 - values very low (mean = 0.06 ug/m3); to be removed

026 - suspected values from visual inspection; to be removed (or flagged?)

044 -

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