

## 2. General Settings for Full Closed Loop

V.3-4

**Please note that with autoISF you are in an early-dev. environment**, where the user interface is **not optimized for safety** of users who stray away from intended ways to use. Good safety features exist, but these are only as good as the development-oriented user understands and implements them. This is not a medical product, refer to disclaimer in [section 0](#)



2.1 SMB Range Extension  
2.2 Max and Min autoISF Ratio  
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[Available related case studies:](#)

Case study 2.1: (nothing available yet)

When in Hybrid Closed Loop, big boli were given by the user, and the loop had no business to give big ones on top. But this is fundamentally different now.

So, first we must **enable our loop to overcome the narrow safety restrictions for SMB sizes** that were appropriate in HCL.

Evidently, this could become dangerous. Please set your iobTH ([section 2.4](#)), and observe all suggestions made in this FCL-e-book \*) , and in the github pages of the developers.

See also: [https://github.com/ga-zelle/autoISF/blob/A3.2.0.2\\_ai3.0/How-to-get-larger-SMBs.pdf](https://github.com/ga-zelle/autoISF/blob/A3.2.0.2_ai3.0/How-to-get-larger-SMBs.pdf)  
/or newer branch/

**\*) Caution:** This entire e-book is about Full Closed Looping. **In case you intend to work with giving boli**, many suggestions made - notably in this section 2 (and in section 4) – should **not** be followed. You would have to **do extra research**, on your own data, how your bolus changes things. Mainly use the documentations referred to in [section 3](#), then. See also remarks in [section 4.1](#) and [section 7](#)

### 2.1 SMB Range Extention

(preferences/OpenAPS SMB/autoISF settings/smb delivery settings/smb\_max\_range\_extension)

#### 2.1.1 Standard scenario: SMB sizes based on 5 minute loop calculations

Full Closed Looping requires bigger SMB sizes. Setting **120 minutes** of basal as max. SMB size as enabled in AAPS Master is necessary, but will rarely suffice.

In AAPS Preferences/OpenAPS SMB/autoISF settings/smb delivery settings, set SMB/UAM max range extension (**smb\_max\_range\_extension**) to **2.0**. That doubles the allowed max. size, to four hours of your profile basal, *for a start*.

Even better, you could determine an estimate for *your* initial setting as in the following description, I will use the symbol,  $\dots$ , to denote where you would use *your* numbers. My numbers that I use for the same situation will be in parentheses (U).  
In full closed loop, once the bg starts rising, you want to get at least half of your required meal bolus within 10 minutes, through 2 SMBs. To do that, you need  $\dots$  U (2 U) per SMB on average, and because the bolus sizes tend not to be equal when requested by the Loop, you should have at least  $\dots$  U (3 U) as the allowable SMB size. Your hourly basal is around  $\dots$  U (0.6 U), i.e. AAPS Master will allow a max. 2 times that hourly basal which =  $\dots$  U (1.2 U) per SMB. To reach the intended  $\dots$  U (3 U) therefore you should set your smb\_max\_range\_extention to  $\dots$  (  $2.5 = 3 \text{ U} / 1.2 \text{ U}$  )

The profile helper in [section 4.8](#) might be available for doing this calculation, and for a cross-check.

If you have a very low hourly basal rate, extensions bigger than 3.0 can result (maximum you can set is 5).

Note: Elevated insulin needs *in phases of elevated insulin resistance* probably will be managed with **>100% profile adjustments**. Then, profile basal gets elevated accordingly, and thus **will automatically allow increased SMB size**.

Watch out (in your SMB tab, or using the emulator, [section 10](#)) whether you often run into a limitation by your set smb\_max\_range\_extention. For instance, your **attempts to increase initial SMB sizes** via elevated smb\_delivery\_ratio ([section 2.3](#)) and elevated bgAccel\_ISF\_weight ([section 4.2](#)) **might get cut by a too low smb\_max\_range\_extention**.

The SMBs your loop requests could get reduced in size also by other safety settings, notably by your autoISF\_max setting (see [section 2.2](#))

### 2.1.2 Special Libre 3 (1 minute) scenario with up to 5 SMBs per 5 minutes

When receiving bg values every minute, and adjusting insulin delivery accordingly in smaller steps, probably 120 minutes of basal per SMB suffices.

Watch whether your system actually can process 5 loop calculations (and potentially give 5 SMBs) in 5 minutes. Then judge (similar like shown in [section 2.1.1](#)), what maximum SMB size you would like to see.

75 Probably you can leave SMB\_range\_extension at default **1.0** untouched (but select higher if you have an  
76 extremely low profile basal in some of your meal hours, or if your loop “misses” many of the opportunities  
77 to make an adjustment, every minute).

78 Integration of 1-minute values is new from autoISF 3.0.1 (May 2024). Please watch your SMB tab (difficult  
79 in 1 minute segments => make screenshots, or employ Emulator!), and report experiences / stay in touch  
80 with other users.

81

## 82 2.2 Max and Min autoISF Ratio

83 (preferences/OpenAPS SMB/autoISF settings/autoISF\_min and autoISF\_max)

84

85 For a start, set **autoISF\_max** = 2.0 . –

86 Your CGM (1 or 5 minute re-calculations) should not matter for this parameter.

87 This allows *up to doubling* of ISF aggressiveness if “requested by the “... \_ISF\_weights” (see  
88 [section 4](#)). This is just a first step.

89 You may have to elevate autoISF\_max further, later, if your attempts to tune the ...ISF\_weights  
90 (section 4.) often run into a limitation by your set autoISF\_max

91

92 For situations of increased insulin sensitivity (less insulin need), you must specify, in your settings  
93 (preferences) also what your *lower* limit (for weakening of ISF, compared to profile\_ISF) may be.

94

95 **autoISF\_min** should be set to 0.3. Again, see whether you ever run into that limit, that your loop  
96 e.g. “would like” to act softer, but bounces against that set limit.

97

98 Do not keep autoISF\_min at 0.5 or even higher, because that would for instance preclude  
99 later, that your exercise setting can strongly “soften” your loop.

100

## 101 2.3 SMB Delivery Ratio

102 (preferences/OpenAPS SMB/autoISF settings/smb delivery settings/smb\_delivery\_ratio)

103

### 104 2.3.1 Standard scenario, using 5 minute loop calculations

105

106 Use the *fixed* **smb\_delivery\_ratio** and increase the setting (from AAPS default 0.5) to 0.6 or 0.7.

107

108 In AAPS Preferences, the smb\_delivery\_ratio *can* also be set *dynamically* (changing with  
109 glucose level). - This seems a feature geared more towards hybrid closed loop applications.  
110 (In FCL, we like strong loop aggressiveness at low (but rising) bg, not “wait for” high bg).

111 So, set your ratio to 0.6 or 0.7 before doing any \_weights tuning. Your choice will magnify every  
112 SMB, also in phases where you actually want less, so do not exaggerate.

113

114 0.6 gets you 20% , 0.7 gets you 40% more insulin 5 minutes earlier, which is a good thing in FCL  
115 where you are late with your first meal insulin. But you do not get 20-40 % more really: You  
116 gradually will receive the full insulinReq only in increased % increments, 5 -10 minutes earlier.

117 The delivery ratio is per se not changing the insulinReq, it just defines what portion gets delivered now vs 5 or  
118 10 minutes later... if the BG trend keeps up...

119 In that way, keeping the number closer to 0.5 protects against a jittery CGM mostly.

120 As in FCL we have an above-avg CGM quality, we can safely go for 0.6 or 0.7 SMB delivery ratio as kind of  
121 our tuning baseline.

122

123 It is not recommended to go over 0.8 ever. **The jumpier your CGM, the closer remain near 0.5!**

124

125 If you had tuned with a 1.0 SMB delivery ratio, and now go lower: I would not expect major re-  
126 tuning required, but look into bgAccel and notably implications for the set iobTH%: A 1.0 ratio made  
127 you often bounce over iobTH in a more "nervous" loop. You now could fine tune that more sensibly,  
128 probably elevate the iobTH even (and maybe also , slightly, the accel weight) (which, for safety  
129 against your wild 1.0 setting, had to be lower before)(Or, If you were unsafe before, leave iobTH  
130 where it was, and you are safer now, with lower ratio)

131

### 132 2.3.2 Special Libre 3 scenario, using 1 minute loop calculations

133

134 1 minute increments lead, on average, to much smaller insulinRequired.

135

136 Consult [section 3.6](#) and related reports from other FSL3 users in Discord.

137

138 I assume the recommendation there will go in the direction: As *per step* the ratio of random scatter to  
139 "true effect" may be more questionable, better start using a value around 0.2, and never go higher  
140 than 0.5 with your set smb\_delivery\_ratio, when using the 1-minute method.

141

142

## 143 2.4 Safety Against too Aggressive Settings: iobTH%

144 (preferences/OpenAPS SMB/ autoISF settings/smb delivery settings/iob\_threshold\_percent

145 ...which gets multiplied with preferences/OpenAPS SMB/Maximum total IOB OpenAPS can't go over (U)

146

147 A safety net is needed because autoISF shoots big SMBs when glucose levels begin to rise; but  
148 you do not want to bounce into your ultimate maximum total iob (iobMAX) safety setting too often.

149

Similarly, this safety net is needed also if using autoISF in Hybrid Closed Loop (HCL), where, after a user bolus already provided some iob, autoISF could add too big SMBs to be safe.

Therefore, we install an **iob threshold** (iobTH) which, **when**, and as long as, **exceeded**, **shuts SMBs off**.

Step 1: In Preferences, set the SMB toggle for even /odd targets to “ON”

autoISF 3.0.1 demands (as we recommend for FCL also for other reasons, see e.g. later in [section 5.1.2](#) and [5.1.3](#)) that concurrently, in AAPS / Preferences / [Open APS SMB / autoISF settings / SMB delivery settings](#):

Enable alternative activation of SMB depending on current target \*) **ON**

\*) *previous autoISF versions* allowed different settings, now it is same setting, for profile target and for TT

Step 2: In Preferences, set your default iobTH\_percent

iobTH is a parameter in AAPS preferences, defined there as fraction of your set maxIOB:

[/OpenAPS\\_SMB/autoISF\\_settings/Full\\_Loop\\_settings: Percentage of maxIOB above which SMBs are disabled \(iob\\_threshold\\_percent,\)](#)

Step 2.1: Solidify your maxIOB

First, check whether your **maxIOB** is set reasonably in AAPS Preferences / OpenAPS SMB / Maximum total IOB OpenAPS can't go over (U).

Input a figure (units) slightly above the max level of iob you had ever needed in your past looping history (also considering times of elevated insulin resistance you occasionally may have had to deal with); set maxIOB to that value.

Step 2.2: Identify your max iob need in big meals

Now look at your meal spectrum, and what bolus size, and iob level (including from SMBs; in HCL or FCL) was useful \*) in high carb meals to control your glucose. (*For instance, the author needed up to 8U early-on in big meals in HCL; and he has TDD near 40 U, and maxIOB set to 10 U*).

\*) useful level = **iob needed** for the meal; iob may in time have gotten even higher. However, if, in the end, to prevent a hypoglycemia, you had to consume 15 g carbs, then deduct 15 g / (your IC) from that even higher iob **you actually did temp. have**. Example:  $15 \text{ g} / (10 \text{ g/U}) = 1.5 \text{ U}$

189 **Step 2.3: Set your `iob_threshold_%` in AAPS/Preferences**

190 Assume you want to approach no more than about 75% of that iob level (that would be useful to  
191 have at big high carb meals) via rapid SMB „fire“, after a meal related bg rise is seen (*then, for*  
192 *instance, reduce from 8 U to 6 U*).

193  
194 Then calculate your setting for **`iob_threshold_percent`** in AAPS / Preferences:  
195 
$$= \text{desired total iob given via SMBs before bg peaks} / \text{iobMAX}$$

196  
197 Enter the according percentage in /Preferences  
198 (*In the example it would be  $= 6 \text{ U} / 10 \text{ U} = 0.6$  ; which means to enter 60 as percentage in*  
199 */preferences* ).

200  
201 *In [section 4.8](#) a profile helper might be available for more guidance.*

202  
203 The iobTH then is calculated as follows:

204 
$$\text{iobTH} = \text{iobTH\_percent} \times \text{maxIOB}$$

205  
206  
207 **Step 2.4: High-carbers may need to reduce their `iob_threshold_percent` a bit, to factor in that *the***  
208 ***last “allowed” SMB can shoot above iobTH:***

- 209
  - The last SMB given **can exceed** that threshold by up to **+30%** of the effective iobTH.

210 This is desirable because it allows higher iob at big high carb meals (where SMB size, when  
211 approaching iobTH, is still big); at lower carb meals either iobTH will not be reached anyways, or  
212 SMBs are quite small when reaching iobTH and will not shoot over by much.

213 A big SMB that would shoot over by more than +30% will be cut at 130% iobTH.

- 214
  - Until iob falls below effective iobTH, only %TBRs supply more insulin, if the loop calculates  
215 that more iob is still required.

- 216
  - In low carb meals, that iobTH level should not be reached => the autoISF parameters  
217 („weights“) need to be tuned carefully, so SMB sizes are *not always* huge, and bounce  
218 against the iobTH restriction, but show different behavior for different meals

- 219
  - Note that when operating with an *even elevated* bg target (>100 mg/dl), iobTH can only be  
220 exceeded by **+20%** (“loop at medium power”). This makes sense, notably in an exercise  
221 context (...in which *the iobTH per se* also gets automatically lowered, as later discussed in  
222 [section 6.1.3](#)).

223

224 Step 2.5: At some later stage, come back to fine-adjust your percent setting in /Preferences,,  
225 factoring in that it can be auto-modulated.

226 • autoISF 3.0 and higher contains a function to **auto-adjust** iobTH with TT set: Dynamic  
227 iobTH ([section 6.1.3](#)). This means, in your initial tuning, just set a iobTH\_percent that is  
228 good-enough on your average day.

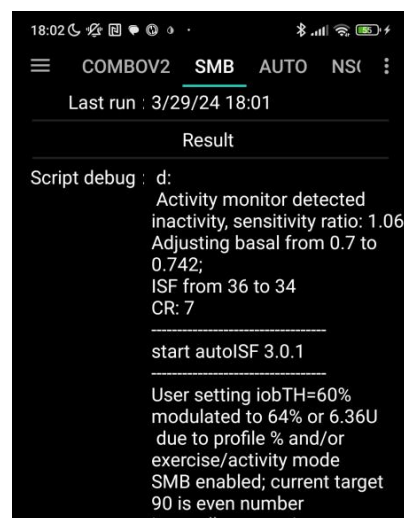
229 • The formula for the resulting **effective iobTH** is complicated, and also depends on whether  
230 the exercise mode (or the activity monitor) is active. It can be used for instance to  
231 (semi-)automatically **decrease** iobTH (and hence iob). This is highly desirable **for**  
232 **exercise**. See [sections 3.3](#) and [6.1.3](#), and example in [case study 6.2](#)

233 • The resulting effective iobTH can be seen in the SMB tab.  
234 The example on the right shows that iobTH can also get  
235 temp. **elevated** . for instance in the case of detected  
236 **in-activity**:

237 • From autoISF 3.0.1 onwards, the SMB tab starts with  
238 the Result section, and right below the / start autoISF  
239 headline, the resulting modulated iobTH is given:

240 Green texts describe currently not available features that  
241 were suggested for further development

242 In later software updates, it is desirable to see the modulated number (6.36 U in the example)  
243 also next to iob (below the glucose value in the AAPS main screen).



244 • Likewise, a %**profile** setting < 100% (or > 100%) will proportionally lower (or elevate) the  
245 iobTH that will be used.

246 **effective iobTH** = % temp.profile x iobTH

247 After the temporary % profile expired, it will automatically revert to your originally set  
248 iob\_threshold\_percent.

249 Off-topic note, regarding the **effective ISF (“sens”)**:

250 In the SMB tab, above the “start autoISF..” line, the profile ISF is given (“ISF unchanged”), eventually  
251 with adaptation by activity monitor (“adjusting ...ISF from ... to .. “ ? ) or by a TT (“adjusting ...ISF  
252 from ... to ..” ) or by a %temp. profile set (“unfortunately” still called “ISF unchanged” then).  
253 Then follows the autoISF section explaining in detail how the recently encountered bg curve  
254 characteristics suggest adaptations, and what overall the conclusion is (“final ISF factor”, calculated  
255 following the flowcharts as explained in detail in section 03.).



Below the *autoISF* section, the effective ISF (sens) results from dividing the (unchanged or adapted) ISF *prior to* “start autoISF”, with the determined “final ISF factor” at the end of the autoISF section of the SMB tab.  
Example given in [section 5.4.5](#)

**If both, a % profile and a TT are set, both effects multiply.**

We shall see later, how this opens nice avenues for exercise management, where we like to strongly limit how high iob shall be allowed to go. Example given in [case study 6.3](#).

All above discussed settings must be made in AAPS/preferences

- except for the **temporary modulations** of sensitivity, which can be done from the AAPS home screen via %profile or via TT inputs

(This will in detail be presented in [section 5](#) or, regarding exercise button, in [section 6.1.3](#)).

Regarding activity monitor see [section 6.6](#)).

[Setting different iobTH via an Automation.](#)

If you do have situations where you rather use a different iobTH\_percent than set in your profile (or than resulting in an eventual auto-modulation), you can change it also via an Automation.

Caution: This will overwrite your iob\_threshold\_percent until you restore it, manually (in /Preferences), or via another Automation (see e.g. [section 5.1.4](#)).

For this reason, preferably work with the temporary adaptations via %profile, TT and exercise mode as discussed above.

[Next steps:](#)

**Before going first time into FCL mode, you must first**

- check proper AAPS settings according to [section 2.6](#)
- **make additional settings in /preferences/Open APS SMB/autoISF**, when you get to [section 4](#).

Only after you also went through [section 4](#), you can **enter/exit FCL** (for initial tuning, or for everyday utilization) via

- in AAPS/Preferences/OpenAPS SMB/autoISF settings/“**Enable ISF adaptation by glucose behavior**” **ON** / **OFF**



In your multi-week FCL set up phase you will quickly notice that changing this setting back and forth “all the time”, in your initial project weeks, is not convenient.

A much easier way to “switch off” FCL aggressiveness is to set an odd-numbered bg target, and an even target again when you want normal FCL aggressiveness again. With odd bg targets, you run in “AMA” mode, with autoISF boosted %TBRs but much milder acting because you will not receive any SMBs. See discussion in [section 5.1](#)

- An improved solution might become in the future available via a User Interface upgrade (described in [section 5.3.1](#)): Switching between **FCL** and **HCL** by just tapping on the **violet/green closed loop icon** of your AAPS home screen - after this feature becomes integrated in a future autoISF version update.

## 2.5 EatingSoon TT ?

**FCL works in principle also without setting an EatingSoonTT. Try for yourself whether you miss any performance via the totally hands-off way (*and maybe skip this section for now*).**

Your FCL works best if you start meals at below-target glucose values, and ideally have a bit of positive iob at meal start. Also, a low temp. glucose target helps making SMBs (that „aim at it“) a bit bigger.

Setting an EatingSoonTT well ahead of meal start therefore is *in principle* a good idea

- If you have relatively fixed meal time slots in the 24 hours of the day, you could set the **target glucose** values **in your profile** accordingly. So *e.g. 11-15h target 76 mg/dl* if you almost always start a lunch between 11:45 and 14:30h. (*If you do exercise or physical work in that time, this would be too aggressive, and probably also un-necessary*).
- If you have rather irregular habits, it might be worthwhile to **manually** set an **EatingSoonTT** (which is quite time-uncritical) well before the start of a meal, or even (latest) when the first SMB is about to be triggered by your loop. – **Or, just forget about it:**

However, if (as to be expected) your loop anyways always regulates you down to near-target, the effect from setting an EatingSoonTT will be limited:

- If your meals are spaced by a couple of hours your glucose should not be elevated as you approach the next meal ...
- If you eat more at a still elevated glucose, your loop should provide you with “a balancing” iob (and hence a prediction to get to target soon) ...

...In both cases (which are the prevalent norm) setting an EatingSoonTT would only have a very minor effect.

The good news therefore is: **Setting an EatingSoonTT has only minor effects, if any, and is not required for autoISF FCL.**

### Preferred solution with respect to Eating SoonTT

My preferred solution is as follows

**Principal solution:** I am **not** setting an EatingSoonTT ahead of the meal. For getting full loop aggressiveness, an even profile target (or TT) under 100 mg/dl is the only requirement.

Note: To *prevent* full loop aggressiveness *when not needed*, e.g. at night time, I set an odd profile target (or TT); details see [section 5.1.2](#).

**Setting odd** (profile or temp.) **target** is generally a recommended easy way for you **to block out SMBs**, as an “**emergency brake**” for your **FCL**. This should be particularly useful in your initial tuning work.

**Refinement:** Just “to orient the calculated insulinRequired towards a more aggressive target”, I have my loop automatically set a low TT just around the time when it gives first SMBs

For this you can define an **Automation** like: CONDITIONS: likely meal time of day + 1st sign of a beginning meal + iob under (?) U (to kick in only in initial phase) + no TT running => ACTION: set TT=74 mg/dl for ~30 minutes

This Automation does not make much of a difference, really. You could leave eventual implementation of this “refinement” to a later round of fine-tuning things.

Also, note that this automatic setting of an even TT will mean in times where you consciously may have set an odd profile target to shut out SMBs: Any random bg jump will, for the duration of this Automation, get you aggressive SMBs. To prevent that you could “tune” the jump size, or set a time window for the Automation.

## 2.6 Other settings in AAPS/Preferences for autoISF FCL

Make sure you start your migration to FCL with a **solid profile** that worked fairly OK also without a bunch of tricky Automations, and without dynamicISF (which, both, unfortunately, too often are

366 employed to counter-act principle problems with profiles) (or even with technical loop functions, like  
367 leaking pods, see [section 1](#)).

368 Indicators for a solid profile: Not too short DIA for your fast insulin; basal that keeps your bg steady  
369 in open loop testing; Meal Management in Hybrid Closed Loop is satisfyingly established, and can  
370 serve as a blueprint for your FCL set-up. Most important: **ISFs** experimentally proven in relevant  
371 times of day, and “working fine” also in Hybrid Closed Loop with SMB sizes opened up to 120 min  
372 basal.

373 One frequently observed “burden” loopers bring with them is that they could not operate with 120  
374 minute SMB settings in AAPS Master HCL because they did their ISF tuning wrong (with lower  
375 settings on allowed SMB sizes covering up problems).

376 See also beginning of [section 4](#).

377 The following is **not** a list of **all** settings in AAPS / Preferences. We just like to bring up some  
378 settings that may not be fully understood, or might interfere “behind your back” with what you try to  
379 do.

380 1. In AAPS Preferences, go all the way down in all sub-pages of: Open APS SMB / autoISF  
381 settings/SMB delivery settings: Enable alternative activation of SMB depending on active  
382 target: **ON**

383 We point to this first, because setting an **odd glucose target** in the top right TT field of your  
384 AAPS home screen will be a super convenient “**emergency brake**” for you, in your tuning  
385 process, to shield yourself against a FCL “going wild” with more SMBs.

386 If you implemented your iobTH ([section 2.4](#)) well, that iobTH feature serves as a principle,  
387 automated, first line of defense against hyper-aggressive SMB fire from your FCL.

388 The usefulness of the additional, odd target “emergency brake” will, in the long run, lie more  
389 in preventing FCL over-reaction to bg bumps that are unrelated to a major meal ([section 5.1](#)).

390 2. Use Autosens: Should be **OFF**, see the pop-up warning that the feature does not make  
391 good sense when entering no carbs. (If for curiosity you want it ON, do so only temporarily  
392 and with very narrow Autosens min and max settings, like 0.9 – 1.1).

393 Also, do not use Autotune. Enable SMB **always**. (I think for iAPS users we need add: .. and  
394 switch off dynamic ISF, dynamic CR, and sigmoid). You may need a look into your CGM  
395 whether or how it allows to do SMB always.

396 3. How frequently SMBs: **3 min**, or for Libre 3 (1 minute): 1 min

397 4. High TT raises sens: **ON**

398 5. Low TT lowers sensitivity: **ON**

6. Half basal exercise target: Put in 180 as a placeholder; you will set this later in your initial tuning when you get to tune for your favorite kinds of exercise ([section 6.1.3](#)). Lower numbers have stronger effects of reducing basal and weakening ISF for exercise.

7. Activity modifies sensitivity: **OFF** until you get to [section 6.6](#)

8. Advanced settings/Always short avg delta: **OFF** ( - unless you need it ON because of jittery CGM. Yes, smoothing can reduce problems, but at the cost of losing time for recognizing true bg movements, as well). Same related to your smoothing selection in AAPS **Configuration builder** / Smoothing: **No smoothing** is the preferred solution there if/when/as long as you have an excellent CGM. Next preferred would be Average smoothing. If single values tend to hop around and cause too big SMBs in your case, you may need to try Exponential smoothing, which gives the nicest bg curves but “iron out” the early indication of a rise, which is so important in a no-user-bolus FCL.

Note re. Libre3 (1 minute): The author has no experience at all with this sensor. Please stay connected with other users to find whether the same recommendations regarding smoothing apply.

9. Back to /Preferences / Open APS SMB / Advanced setting: For both safety multipliers go **higher**, probably double, the setting as in the dialogue box recommended (for AAPS HCL), so your FCL loop will be able to do up to 500% TBR in the future.

10. autoISF settings: **Do not activate or change settings until you start** [section 4](#).

11. Percentage of maxIOB above which SMBs disabled: Put in the number determined in [section 2.4](#) for your iobTH%. or **50** as a placeholder before you get to that section.

## Next steps

To define a reasonable figure for iobTH% and to make a couple of settings for the SMB delivery settings were your preparatory tuning tasks in this [section 2](#).

We suggest to review the basic description of autoISF by ga-zelle in [section 3](#), before activating your autoISF for FCL meal management ([section 4](#)).