1	Case Study 6.2: Biking day with high carb lunch
2	V.2.2
3	
4	I set for most of the day a 70% profile , and had only a minimal breakfast
5	in order to keep iob low when starting to bike.
6	Additionally I activated the exercise mode, using a TT=125 mg/dl which I kept running over
7	lunch time, but for a shorter period than the 70% profile.
8	About an hour before lunch time I reverted to profile target, and after lunch start an
9	Automation can temporarily further lower the TT to 74 mg/dl to maximize first SMBs for the
10	intended high carb lunch.
11	In just seconds I was able to "frame" the upcoming exceptional situation for my loop, to
12	manage me fully automatically through the day!
13	Of course, in my initial set-up and tuning, I had to first "learn" from my looping data,
14	where about %profile and set TT should lie for the kind of exercise that I was up to.
15	But, no need to make a science out of it. Unless you are competing in professional
16	sports, it should be good enough to go by gut feeling, and by experience ("what
17	setting should I slightly alter the next time?").
18	Using the top button row on the AAPS main screen, I just input the 70% (for the whole day)
19	and 125 mg/dl (for the first hours), which goes super fast and easy. It will immediately turn
20	from all three fields grey,
21	• to "70%" on the profile field-turned-yellow, "125 " in the TT field-turned-yellow, and
22	also the exercise field lit yellow in the middle.
23	So, very easy to see on one glance, I am in the exercise mode, and which are the key
24	settings (see picture with "95" glucose below).
25	And in case I want to prematurely exit, or adjust a parameter, same easy procedure, just

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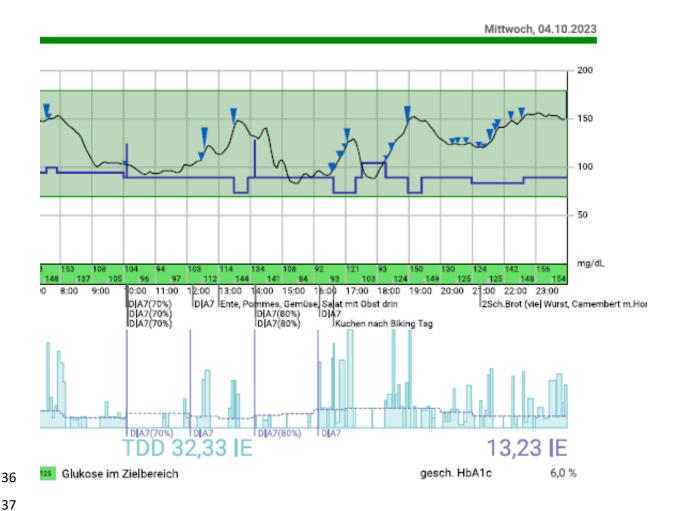
A 70% profile was set for the entire day until dinner (AAPS screenshot) This modulates my

29 0.55 U profile basal to 0.7 * 0,55 = 0.39 U (see p.9, emulator-line 20)

within 1-2 seconds, right from my AAPS home screen.

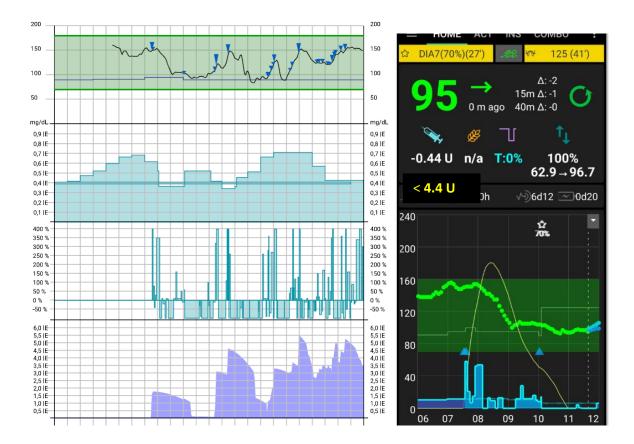
- **Exercise mode** with a **125 mg/dl TT** was set, translating into another (= getting multiplied) 30
- basal reduction of 33%%, to 67% of (70% of 0,55=)0,39U= 0,26 U (p.9, emulator-line 19). 31
- 32 The exercise mode also results in a **dynamic_iobTH** which, like basal, also goew lower:

These measures lead to a pretty overall glucose curve for this biking day, which included a fairly substantial lunch (duck, french fries, a fancy salad with fruit in it), as well a piece of cake at the end of the tour:



No carbs were entered into AAPS, no bolus was given by me.

The lunch iob hump in middle of the bottom graph of the next chart (below) shows that the 4.4 U iobTH was preventing higher iob as would be normal for a big lunch.



Conclusions from this example

The example demonstrated that using the **exercise mode with a selected sports TT** will soften the loop response.

Background, how sensitivity ratio is automatically reduced (-> lower basal, higher ISF), and how dynamic_iobTH works in the exercise mode (-> lower iobTH, to reduce iob for meals on exercise days) see sections 3.3 and 6.4. The delta (how much higher the set exercise target is above profile target), and the half-basal-exercise target set in AAPS/preferences during your initial set-up define the sensitivity ratio the loop uses.

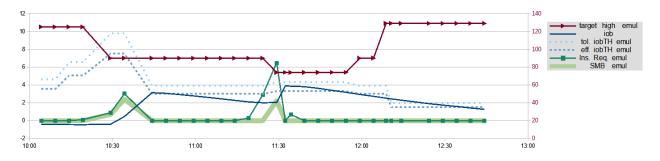
profile Target	100	100	100
halfBasalTarget	180	150	120
delta "c"	80	50	20
	Sens.Ratio	Sens.Ratio	Sens.Ratio
TempTarget	for HBT 180	for HBT 150	for HBT 120
72	1,54	2,27	n.a.
76	1,43	1,92	
80	1,33	1,67	n.a.
85	1,23	1,43	4,00
90	1,14	1,25	2,00
95	1,07	1,11	1,33
100	1,00	1,00	1,00
110	0,89	0,83	0,67
120	0,80	0,71	0,50
130	0,73	0,63	0,40
140	0,67	0,56	0,33
150	0,62	0,50	0,29
160	0,57	0,45	0,25
170	0,53	0,42	0,22
180	0,50	0,38	0,20

<u>Table:</u> Your general set half-basal exercise target set in Preferences (its distance to the valid profile target), and what TT you set in your exercise mode, lets you differentiate the desired loop aggressivenes.

Note that the **reduced temp.% profile** (on top of using the exercise mode with an elevated TT) multiplies with the results in above table, and further reduces basal *and also* iobTH. (which is also tied to the exercise mode and TT set, and effects multiply)

Output

Description:



This chart from an emulator based analysis (by ga-zelle) shows nicely how iobTH (dotted blue lines) changes with the TT set (red line, and scale with red numbers on the right):

Shortly after 11:30 h the 74 mg/dl EatingSoonTT allows SMBs when below about 4U iob, And in fact my iob (blue curve) was limited, despite a high carb meal, at that level.

Around 12:00 h TT 74 expired and profile target briefly was set, followed within a couple of minutes by switching back (as before 10:15 h in the morning biking time) to the 125 mg/dl exercise TT. This state allows only about 2 U as iobTH (see kink in the blue dotted line at 12:10 h), and my iob (blue curve) came nicely down to that low level, as desireable for sports - but sure unusual so shortly after eating a substantial meal.

Not astonishingly, few SMBs are in the picture (fat green line mostly at zero) and the loop can handle carbs in an exercise dominated period nearly by just elevating basal (%TBR up to 400%). (Actually, the very first graph shows for around 13:30 glucose from the meal had risen to about 140 mg/dl and one additional SMB was necessary, and was also possible because from around 12:45 the iob (blue line) was below the (dotted blue line: lowered) iobTH again, as this graph shows.

Reaching and preserving good settings

For their kinds of favourite exercise, users must, over time, learn what combination of settings (half-basal_exercise_target,TT, %profile) leads to good-enough results.

As the loop re-calculates every 5 minutes, it is *not* important to get things *exactly* right.

Automatic adjustments (every 5 minutes) allow the loop to still keep things under goodenough control.

The time windows for doing the profile switch, and for setting a suitable TT can differ (and they can also be automated, so not to require multiple inputs over the course of your exercise day). Using all available tools allows a nearly surgical approach to what you want to achieve for your favourite type(s) of exercise.

- 87 Instead of memorizing settings that work for your favourite types of exercise, you could keep
- them "shelved" in your AAPS to be called up when you do this or a similar exercise again.
- 89 For the DIY FCL cockpit you preserve your settings in Automations. A proposed improved
- user interface might provide settings also to be earmarked and stored in /preferences.

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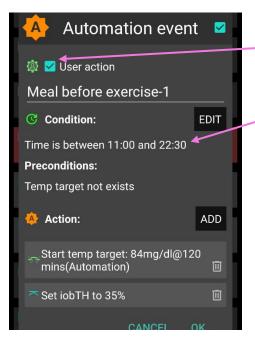
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DIY FCL Cockpit

- Luckily, the Automation options that are incorporated in AAPS 3.2... x autoISF 3... allow me to to create the cockpit elements for this case on my own:
 - I detected this only afterwards, but I have it now available for any future similar exercise-after-meal events -
- I need a sequence of 3 Automations, of which only the first one must be manually triggered, in just one time-uncritical key stroke from the AAPS home screen.
- The others come on automatically when the respective Conditions are met.

100 Automation 1

The key first task was, to approach a meal that precedes exercise with full loop aggressiveness, but to make sure that this aggressiveness stops immediately after a (reduced) iobTH is exceeded. The reduced iobTH ensures that not too much insulin is on bord for exercise after the meal. Also it provides an elevated bg level at (re-)start of exercise.

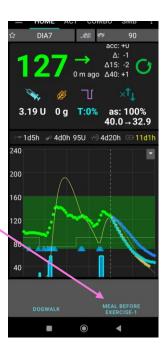


"User action" is always ticked-on

This will, in the defined time space *) ..

..offer the "DIY cockpit" button..

...which I must press any time (~90...30 minutes) before my lunch.



illustrative chart from another day

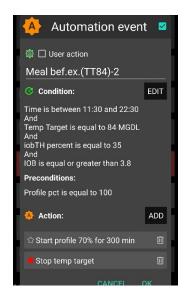
In this Automation, the box "User action" should be permanently ticked. This will automatically provide a grey button on the bottom of my AAPS home screen ("DIY cockpit") that I can freely name (= headline of my Automation).

To keep the AAPS home screen as clean (and relevant) as can be, that button will show only in the time slot as specified under Conditions.

*) It will be reduced to something realistic. Only for development and testing purposes it had to extend into the night.

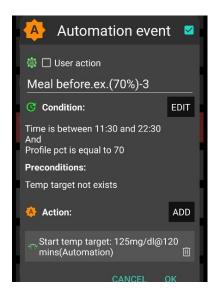
Automation 2

- When (my in Automation 1, for exercise following the meal, to 35 % reduced iobTH that translates for me into) iob>3.8 is exceeded, I want two things:
 - (1) The loop shall now automatically run milder, on my reduced exercise %profile (70%)(after the meal rise had been managed based on 100% profile, boosted by bgAccel ISF driven full loop aggressiveness).
 - (2) I like also to set a exercise TT. This, however, is not possible. I first have to force an end to my EatingSoonTT of 84:



Automation 3

Now, that Automation 2 ended my TT of 84,
Automation 3 can (max 5 minutes later) set the
desired exercise TT=125 (which implies the
exercise mode as in detail explained before).



129	
130	Note that Automations 2 and 3 are fully automatic, no User Action involved.
131	
132 133 134 135	Should during my exercise a need arise to modulate the loop aggressiveness (iobTH, effective ISF) I could do this within 1-2 seconds also right from the AAPS home screen ("FCL cockpit") by setting a higher or lower temp. %profile, and/or by setting a higher or lower temp. exerciseTT.
136 137	To make the loop act a bit more aggressive, switching the exercise button OFF (from yellow to grey) could also be considered
138	
139	Finding User action - Automations to build <u>your</u> FCL cockpit
140 141	If you want to develop your DIY User Interface make sure you define suitable settings that reflect your personal insulin sensitivity and data patterns.
142 143 144 145	As mentioned in other places, Automations can be tricky as to whether they actually will ever work, because the loop goes through the exact sequence of all your active Automations , and might be switched into a direction that no longer is compatible with the conditions that must be a given, for the Automation you think that should kick in.
146 147 148 149	To have a clean AAPS home screen (and also to prevent unnecessary accidential activation), define reasonable time windows for each of your shelved special routines, or keep them entirely dormant (de-activated) in the list of all your Automations, and activate them for the day when you think you might need them.
150	
151	Improved FCL Cockpit
152 153	With the <i>suggested</i> improved cockpit user interface (<u>section 5.3</u> and <u>6.3</u>), I could have gone through the day with <u>just one</u> time un-critical step (as discussed in <u>section 6.5.2</u>).
154 155	Should during my exercise a need arise to stop a selected mode, or to change a setting, I could do this within 1-2 seconds also right from the AAPS home screen ("FCL cockpit").
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157	
158 159	Skip all following pages, unless you like to learn more about_Logfile analysis using the

160 Logfile analysis with the emulator

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- Skip this last section, unless you like to learn more about using the emulator.
- Analysis of my biking day with the emulator required to load the logfiles from my phone into the PC, and to have the files for the emulator downloaded from Github.
 - 1) Load an empty vdf file, and access to logfiles (erasing the end with UTZ time, and putting an asterics after date => all of that date get loaded into the mask
 - 2) Define the time window of interest, using UTZ (= MEZ summertime minus 2) in the last two lines (right hand side input fields) of the form:

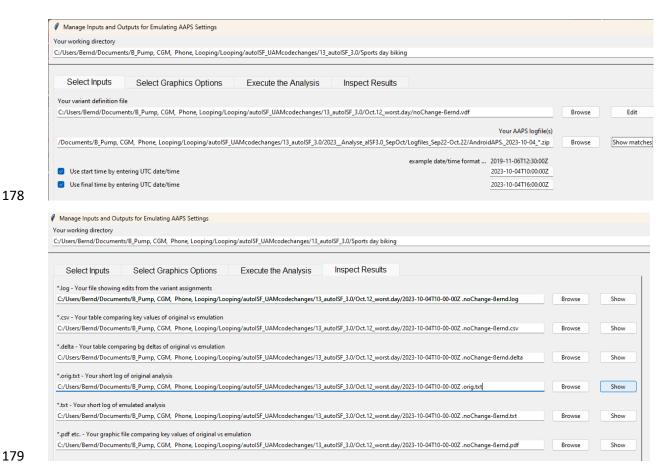
Manage Inputs and Out	tputs for Emulating AAPS Settings						
Your working directory							
C:/Users/Bernd/Document	ts/B_Pump, CGM, Phone, Looping/Loop	ing/autoISF_UAMcodechanges/13_a	utoISF_3.0/Sports day biking				
Select Inputs	Select Graphics Options	Execute the Analysis	Inspect Results				
Your variant definition fil	e						
C:/Users/Bernd/Docume	nts/B_Pump, CGM, Phone, Looping/Loo	ping/autoISF_UAMcodechanges/13	_autoISF_3.0/Oct.12_worst.da	y/noChange-Bernd.vdf		Browse	Edit
					Your AAPS logfile(s)		
/Documents/B_Pump, C	GM, Phone, Looping/Looping/autoISF_U	AMcodechanges/13_autoISF_3.0/20	23Analyse_alSF3.0_SepOct	Logfiles_Sep22-Oct.22/Android	APS2023-10-04_*.zip	Browse	Show matches
				example date/time format	2019-11-06T12:30:00Z		
Use start time by ent	tering UTC date/time				2023-10-04T10:00:00Z		
Use final time by ent	tering UTC date/time				2023-10-04T16:00:00Z		

3) Execute Analysis / Run Emulation yields results as table:

Select Inputs		S	Select Graphics Options			Execute the Analysis			S	Inspect Results												
Messages from Emulation											Clear N	1essages	Ru	ın Emulat	tion	Emu	lation finisl	hed				
	5%	range-	lir	n.fit-	р	arabola	fit			-ISF f	actor	3			-ISFs-		insuli	n Req	SM	B	tmpB	asal-
3	dura	avg.	dura	rate	dura	last-∆	next-∆	auto	acce	bg	pp	delta	dura	orig	prof	emul	orig	emul	orig	emul	orig	emu:
)	10	103.3	20.0	2.3	15	-3	-8	1.0	-0.1	0.96	1	1	1	229.2	61.4	229.2	0	0	0	0	0	
	15	103.3	25.0	1.7	25	-1.14	-2.57	1.0	1	0.96	1	1	1	95.7	61.4	95.7	0	0	0	0	0	
	20	103.4	10.0	1.0	15	1.8	3.8	1.0	1	0.96	1	1	1	67	43	67.0	0	0	0	0	0	
	25	104	10.0	2.0	15	2.6	3.6	1.0	1.1	0.96	1	1	1	60.7	43	60.7	0.1	0.1	0	0	0.57	0.5
	35	105	25.0	1.5	25	1.5	1.53	1.0	1.0	1.0	1.04	1	1.08	39.9	43	39.9	0.88	0.88	0.7	0.7	2.31	2.3
	0	117	30.0	2.2	15	7.2	11.2	1.0	1.78	1.01	1.16	1	1	24.2	43	24.2	3.02	3.02	2.4	2.4	5.5	5.
	5	123.5	35.0	2.9	15	0.4	-4.1	1.0	0.55	1.02	1	1	1	76.4	43	76.4	0	0	0	0	0	
	15	121.5	40.0	2.7	20	-2.37	-6.09	1.0	0.65	1.01	1	1	1.07	61.8	43	61.8	0	0	0	0	0	
	0	116	70.0	1.8	25	-5.89	-9.53	1.0	0.65	1.01	1	1	1	65.3	43	65.3	0	0	0	0	0	
	5	115.5	15.0	-3.0	20	-3.57	-4.28	1.0	0.98	1.01	1	1	1	43.4	43	43.4	0	0	0	0	0	
	10	114.7	10.0	-1.5	15	-0.8	1.2	1.0	1.26	1.01	1	1	1.04	32.4	41	32.4	0	0	0	0	0	
	15	115.3	25.0	-1.7	20	2.77	5.49	1.0	1.26	1.01	1.08	1	1.06	32.4	41	32.4	0	0	0	0	0	
	20	115.8	10.0	2.5	25	3.39	5.35	1.0	1	1.01	1.02	1	1.08	38.1	41	38.1	0	0	0	0	0	
	10	119.3	15.0	3.1	15	3.6	4.1	1.0	1.06	1.01	1.1	1	1.04	37.3	41	37.3	0.29	0.29	0	0.2	1.13	
	0	130	10.0	6.0	15	7.4	10.4	1.0	1.65	1.02	1.14	1	1	24.9	41	24.9	2.89	2.29	0	1.8	5.5	5.
		141	10.0	9.1	20	10.7	13.84	1.0	1.69	1.05	1.22			22.6	41	24.3	6.46	5.97	1.8	2.2	5.5	5
	0	141	5.0	11.4	20	10.7	13.84	1.0	1.69	1.05	1.22	1	1	24.3	41	24.3	0	0	0	0	0	
	0	149	5.0	8.1	20.1	10.03	11.39	1.0	1.28	1.06	1.16	1	1	32	41	32.0	0.69	0.69	0	0.4	1.99	
	5	149	25.0	7.1	15	1.05	-4.39	1.0	0.38	1.06	1	1	1	102.2	41	102.2	0	0	0	0	0	
	10	148.7	40.0	5.4	20	-2.41	-6.96	1.0	0.5	1.06	1	1	1.13	72.1	41	72.1	0	0	0	0	0	
	20	146.6	10.0	-1.5	14.9	-2	-3.01	1.0	0.88	1.06	1	1	1.26	37	41	37.0	0	0	0	0	0	
	25	145.7	10.0	-3.5	15	-4.6	-6.6	1.0	0.77	1.06	1	1	1.32	37.3	41	37.3	0	0	0	0	0	
	5	138.5	10.0	-5.0	24.9	-5.53	-7	1.0	0.83	1.04	1	1	1	47.7	41	47.7	0	0	0	0	0	
	10	136.7	15.0	-4.4	15	-3.4	-2.4	1.0	1.22	1.03	1	1	1.07	32.9	40	32.9	0	0	0	0	0	
	10	136.7	5.0	-3.0	15	-3.4	-2.4	1.0	0.88	1.0	1	1	1	33.1	40	45.3	0	0	0	0	0	
	15	136	5.0	1.0	15	0.6	3.6	1.0	1.63	0.99	1	1	1	49.1	50	49.1	0	0	0	0	0	
	1 5	100 0	9E 0	2 0	20	1 64	1 07	1.0	0.06	0.00	1	1	1	7/ /	En	00 0	0	0	0	0	0	

- In line 6 (12:34 CET) a 2.4 U big SMB is given, driven by bgAcel ISF factor of 1.78
- Highlighted is 13:29 CET (for some reason there is duplicated line for it). Here, a big insulinReq of 6,5 U is cut down to a SMB of only 1.8 U..
 - 4) ... to see how our settings, TT and and sports button worked here, and what iobTH applied, we must look into the logs available from: ((alternatively, the SMB tab from exactly those 5 minutes would show, too))

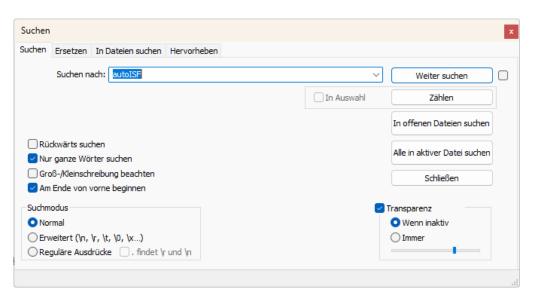
177 Instead of Execute Analysis, press Inspect results...



- 180 If you press the 4th option you get the logs which include basically all SMB tab info in an 181 exhaustively long list.
 - 🔐 C:\Users\Bernd\Documents\B_Pump, CGM, Phone, Looping\Looping\autolSF_UAMcodechanges\13_autolSF_3.0\Oct.12_worst.day\2023-10-04T10-00-00Z .orig.txt Notepad++ Datei Bearbeiten Suchen Ansicht Kodierung Sprachen Einstellungen Werkzeuge Makro Ausführen Erweiterungen Fenster ? 🗎 AndroidAPS_2023-10-12_00-00-03_4 zip orig txt 🗵 📙 AndroidAPS_2023-10-12_00-00-03_4 🗵 📙 AndroidAPS_2023-10-12_00-00-03_4 zip .noChange-ßernd .csv 🗵 📒 AndroidAPS_2023-10-12_0 Sensitivity ratio set to 0.67 based on temp target of 125; CRIE Adjusting basal from 0.39 to 0.26130000000000003; GRIS Suchen Ersetzen In Dateien suchen CR: ·10.714285714285715@R Suchen nach: autoISF --- CR III start autoISF 3.0 CR ---- CRMB SMB·disabled; ·TempTarget·125·is·odd·number Loop.at.minimum.power@RD effective meal add on is 0 CRIE Rückwärts suchen acce_ISF.adaptation.is.-0.1@RIF Nur ganze Wörter suchen bg ISF adaptation is 0.96 weakest autoISF_factor-0.1 limited by autoISF_min 0.4@Rm final ISF factor is 0.27 including exercise mode impact@Rm Groß-/Kleinschreibung beachten Am Ende von vorne beginnen Suchmodus end autoISFCRUM Normal -- CRIF currenttemp: 0.27.lastTempAge: 0.m.tempModulus: 25.m@R#3 ○ Erweitert (\n, \r, \t, \0, \x...) profile.sens: 61.42857142857143.sens: 229.2 CSF: 21.39@BDG Carb Impact: -8.3 mg/dL per 5m; CI Duration: 0 hours; remaining CI (~2h peak): 0 mg/dL per 5m; UAM Duration: 0 hours @BDG Reguläre Ausdrücke . findet \ minPredBG: 130 minIOBPredBG: 130 minZTGuardBG: 107 CR 153 minUAMPredBG: 113@RMD avgPredBG: 154.COB: 0./.0CR BG-projected·to·remain·above·125·for·0·minutes@REBBG-projected·to·remain·above·83·for·240·minutes@REB naive_eventualBG: 128.bgUndershoot: -45.zeroTempDuration: 240.zeroTempEffect: 358.carbsReq: -19@86 --- · Reason · --------CRIE COB: 0, Dev: -25, BGI: 5, ISF: 229, CR: 10.71, Target: 125, minPredBG: 130, minGuardBG: 97, IOBpredBG: 154; Eventual BG: 1 AAPS: scan: from AAPS: Logfile: for: SMB: comparison: created: on: Fri, 27: Oct: 2023: 18: 09: 40: +0200 @RMB FILE=C:/Users/Bernd/Documents/B_Pump, CGM, ··Phone, ·Looping/Looping/autoISF_UAMcodechanges/13_autoISF_3.0/2023_Analyse

The blue highlighted line shows we are at 10:04 UTZ (12:04 CET). We can see how sensitivity ratio and also basal were lowered due to sports setting with a 125 mg/dl TT, or 129 used a bit later, which also disabled SMBs.

By using the search function you can jump, in that long list, to all places that e.g. have "autoISF" in it, or "script debug", or "SMB disabled" (if you want to analyze when that happened...)



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5) Now lets look at 11:29 UTZ (13:29 CET) which was when the first relevant size SMB was issued:

In the following, I copy and shorten texts from the log table as above, for some time points of high interest:

11:29 UTZ (13:29 CET), when SMB was delivered:

loop in row 14007created at= 2023-10-04T11:29:11.005Z

197 ------ Script Debug -----

198 Sensitivity ratio set to 1.1 based on temp target of 74;

Adjusting basal from 0.55 to 0.6050000000000001;

200 ISF from 41 to 37.3

201 CR: 7.5

So, we see the meal TT of 74 (set by one of my Automations for cases in which I did not

bother to set an EatingSoonTT) temp. overrides the exercise target and sharpens the

204 applicable ISF: ((It also elevates basal; note that TBRs can run several 100% of basal))

205 ------

start autoISF 3.0

207	
208	SMB enabled; TempTarget 74 is even number
209	Loop at full power
210	acce_ISF adaptation is 1.81
211	bg_ISF adaptation is 1.05
212	pp_ISF adaptation is 1.22
213	dura_ISF by-passed; bg is only 0m at level 141
214	final ISF factor is 1.81
215	
216	end autoISF
217	
218	profile.sens: 41 sens: 22.6 CSF: 3.01
219	minPredBG: 220 minIOBPredBG: 135 minZTGuardBG: 94 minUAMPredBG: 231
220	avgPredBG: 220 COB: 0 / 0
221	BG projected to remain above 74 for 240 minutes
222	IOB 2.033
223	Full loop capped SMB at 1.87 to not exceed 130 % of effective iobTH
224	Here we see that our, for the exercise day significantly lowered, iobTH not only blocked
225 226	SMBs above that lower threshold. Also the 30% "the last" SMB is max. allowed to go beyond the valid iobTH now amounts to significantly less.
227 228	So, while, as intended for start of a high carb meal, my loop is at full power (<u>line 209</u>), the last SMB (<u>line 223</u>) got capped to way below insulinReq (<u>line 231</u>).
229	maxBolus: 3.2
230	Reason
231 232	Eventual BG 304 >= 74, insulinReq 6.46. Microbolusing 1.8U. adj. req. rate: 13.53 to maxSafeBasal: 5.5, temp 2.75 < 5.5U/hr.
233	
234	6) A look at the cake after 14:20 (16:20 CET):™
235	From 14:09 UTZ (16:09 CET) on, I discontinued the sports TT and the loop reverted to 90
236	mg/dl profile target.

237 238	As desired for starting to eat cake, this made SMBs possible, and the only reduction of FCL aggressiveness was the 70% due to temp. profile set for this sports day.
239 240	However, 14:141924 and :29 there was no insulinRequired yet (while ISF factor gradually ramped up from 0.52 to 1,09 (line 1735, 1772, 1807) .
241242243244	At 14:34 UTZ (16:34 CET) a first cake related SMB of 0.5 U was issued based on 0,66 U ins.Requ (line 1897), and based on a bgAccel_ISF factor of 1,54 (and final ISF factor of 1,52).
245 246 247	As there is a >10 mg/d delta (glucose rise), my Automation kicks in and sets for the next loop decisions (for 26 minutes is as my Automation defines it) a TT=74 mg/dl which makes the loop more aggressive from 14:37 on:
248	created at= 2023-10-04T <mark>14:37</mark> :15.371Z
249	Script Debug
250	Sensitivity ratio set to 1.1 based on temp target of 74;
251	Adjusting basal from 0.48 to 0.528;
252	ISF from 39 to 35.5
253	CR: 6.6
254	
255	start autoISF 3.0
256	
257	SMB enabled; TempTarget 74 is even number
258	Loop at full power
259	acce_ISF adaptation is 1.64
260	bg_ISF adaptation is 1
261	pp_ISF adaptation is 1.08
262	dura_ISF adaptation is 1.11 because ISF 35.5 did not do it for 30 m
263	final ISF factor is 1.64
264	
265	end autoISF
266	

267	profile.sens: 39 sens: 23.8
268	avgPredBG: 94 , BG projected to remain above 74 for 240 minutes
269	IOB 0.438 Eventual BG 100 >= 74, insulinReq 0.84. Microbolusing 0.6U.
270	
271	created at= 2023-10-04T <mark>14:39</mark> :16.537Z
272	Script Debug
273	Sensitivity ratio set to 1.1 based on temp target of 74;
274	Adjusting basal from 0.48 to 0.528;
275	ISF from 39 to 35.5
276	CR: 6.6
277	
278	start autoISF 3.0
279	
280	SMB enabled; TempTarget 74 is even number
281	Loop at full power
282	effective meal add on is 0.04
283	acce_ISF adaptation is 1.25
284	bg_ISF adaptation is 1
285	pp_ISF adaptation is 1.06
286	dura_ISF by-passed; bg is only 5m at level 97.5
287	final ISF factor is 1.25
288	
289	end autoISF
290	
291	profile.sens: 39 sens: 31.2
292	avgPredBG: 78 BG projected to remain above 74 for 240 minutes
293	IOB 1.114
294 295	Eventual BG 84 \geq 74, insulinReq 0.13; setting 30m low temp of 0.04U/h. Microbolusing 0.1U.