## 1. General Description

This Document contains the log data of a read out logfile. It shows what happened with the specified vbar unit during the latest time

Version of PC Software	5.3.2b 31.12.2012
Date	Mon Sep 13 16:53:49 BST 2021
Serial	1510015155
Prod Date	19.3.2012 9:1
Firmware	5.3
Patchlevel	4

## 2. Chronological List of Events

×	0:00	Warmstart	Warmstart is an indication for a short power loss, or any other reset reason. If the CPU comes up, and detects, that the power loss was less than 5 seconds, this causes a warmstart. This can happen also, if power is applyed and removed in a short sequence. When bining a Spektrum Sattelite, this will occur and is intended.
4	0:00	Reset Reason: Power On	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds
*	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
4	0:00	Reset Reason: Power On	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds
D	0:07	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
×	0:07	Ambiguous Value on Elevator Sensor at Init	The Sensors are calibrated to their centers at each startup. This gives a center value depending on some serial deviation, but they shall stay in 10% of the ideal center. If this is not met, the sensor may be defective. Check the Live display of the sensor for visible deviation. Even it is is possible to fly with a decentered sensor, it is recommended to contact the support
*	0:17	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
4	0:00	Reset Reason: Power On	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds
D	80:0	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
×	0:08	Ambiguous Value on Elevator Sensor at Init	The Sensors are calibrated to their centers at each startup. This gives a center value depending on some serial deviation, but they shall stay in 10% of the ideal center. If this is not met, the sensor may be defective. Check the Live display of the sensor for visible deviation. Even it is is possible to fly with a decentered sensor, it is recommended to contact the support
*	0:18	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:28	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
4	0:00	Reset Reason: Power On	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds
*	0:10	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:20	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:30	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:40	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:50	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	1:00	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	1:10	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
4	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
✓	0:00	Reset Reason: Power On	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds
D	0:06	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory

×	0:06	Ambiguous Value on Elevator Sensor at Init	The Sensors are calibrated to their centers at each startup. This gives a center value depending on some serial deviation, but they shall stay in 10% of the ideal center. If this is not met, the sensor may be defective. Check the Live display of the sensor for visible deviation. Even it is is possible to fly with a decentered sensor, it is recommended to contact the support
×	0:09	Extreme Vibration Level	Vibrations are extreme. That means, that the measurement signal is much lower than the signal level of the vibrations. No usable flying is possible with this level. Everything has to be checked and extended tests are needed to isolate and eliminate the source of vibrations
∢	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
4	0:00	Reset Reason: Power On	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds
*	0:10	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:20	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:30	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:40	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:50	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	1:00	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	1:10	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	1:20	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	1:30	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	1:40	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	1:50	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✓	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
×	0:00	Low Voltage of 3.3V Rail	The Controller is no longer able to perform reliable IO Operations. This is not necassary the reason for a complete reset, but this is a strong hint to take a close look at the power supply. This shall not happen in flight. If you see this error, the problem has to be fixed before the next flight.
4	0:00	Reset Reason: Power On	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds
∢	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
∢	0:00	Reset Reason: Power On	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds
Δ	0:02	Init Failed, retrying	The Init process of the sensors is very sensitive to movements of the heli or from other external disturbances, i.e. Voltage jumps and glitches. This can lead to a failed initialization. In this Case it is repeated. If this repeats itself all the time, this can point to a defective sensors.
D	0:11	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
×	0:11	Ambiguous Value on Elevator Sensor at Init	The Sensors are calibrated to their centers at each startup. This gives a center value depending on some serial deviation, but they shall stay in 10% of the ideal center. If this is not met, the sensor may be defective. Check the Live display of the sensor for visible deviation. Even it is is possible to fly with a decentered sensor, it is recommended to contact the support
*	0:21	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:31	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:41	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
*	0:51	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.

<ul> <li>✓ 0:00 Reset Reason: Watchdog</li> <li>✓ 0:00 Reset Reason: Power On</li> <li>✓ 0:00 Bank 0 Loaded</li> <li>✓ 0:00 Calibration Finished</li> <li>✓ 0:00 Calibration Finished</li> <li>✓ 0:00 Calibration Finished</li> <li>✓ 0:00 Ambiguous Value on Elevator Sensor at Init</li> <li>✓ 0:01 Galibration Finished</li> <li>✓ 0:01 Galibration Finished</li> <li>✓ 0:02 Galibration Finished</li> <li>✓ 0:02 Galibration Finished</li> <li>✓ 0:02 Galibration Finished</li> <li>✓ 0:03 Galibration Finished</li> <li>✓ 0:04 Galibration Finished</li> <li>✓ 0:05 Galibration Finished</li> <li>✓ 0:07 Ambiguous Value on Elevator Sensor at Init</li> <li>✓ 0:07 Galibration Finished</li> <li>✓ 0:07 Galibration Finished</li> <li>✓ 0:07 Galibration Finished</li> <li>✓ 0:08 Galibration Finished</li> <li>✓ 0:08 Galibration Finished</li> <li>✓ 0:09 Galibration Finished</li> <li>✓ 0:09 Galibration Finished</li> <li>✓ 0:00 Galibration Finished</li> <li< th=""><th></th><th></th><th></th><th></th></li<></ul>				
<ul> <li>Watchdog</li> <li>happen, but in the situation of a riserual codistant with the userinerface this is a normal message of morning or morn</li></ul>	∢	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
on power proteins all mode. So if a reset happens during flight, this power proteins burning power or need results on a warmstart. It conclosar happens during flight, the power loss was mediated to need the power loss was mediated to need the power loss was mediated to	Δ	0:00		
<ul> <li>▲ 0:01 Init Failed, retrying</li> <li>The Int process of the sensors is very sensitive to movements of the held right of the prediction of the sensors is very sensitive to movements of the held right of the</li></ul>	4	0:00		operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more
<ul> <li>□ 0:07 Calibration Finished in repeated. If this repeats the lat lithe time, this can point to a defective sensors.</li> <li>□ 0:07 Ambiguous Value on Elevator Sensor at Init in the Calibration on Elevator Sensor at Init in Elevator Sensor, it is recommended to contact the support.</li> <li>□ 0:17 Good Health Message (10sec)</li> <li>□ 0:27 Good Health Message (10sec)</li> <li>□ 0:37 Good Health Message (10sec)</li> <li>□ 0:47 Good Health Message (10sec)</li> <li>□ 0:47 Good Health Message (10sec)</li> <li>□ 0:57 Good Health Message (10sec)</li> <li>□ 0:57 Good Health Message (10sec)</li> <li>□ 0:57 Good Health Message (10sec)</li> <li>□ 1:07 Good Health Message (10sec)</li> <li>□ 1:17 Good Health Message (10sec)</li> <li>□ 1:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>□ 1:17 Good Health Message (10sec)</li> <li>□ 1:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>□ 1:17 Good Health Message (10sec)</li> <li>□ 1:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>□ 1:27 Good Health Message (10sec)</li> <li>□ 1:37 Good Health Message (10sec)</li> <li>□ 1:47 Good Health Message (10sec)</li> <li>□ 1:47 Good Health Message (10sec)</li> <li>□ 1:48 Message describes the good health state. That means, that the VBar un</li></ul>	<b>&gt;</b>	0:00	Bank 0 Loaded	Bank 0 was loaded from the non volatile memory. This can be triggered my manual backswitch from the userinterface as well as in flight if bank switch is programmed to the aux channel. On Startup the Bank 0 is loaded by default.
<ul> <li>X 0:07 Ambiguous Value on Elevator Sensor at Init</li> <li>X 0:07 Ambiguous Value on Elevator Sensor at Init</li> <li>X 0:17 Good Health Message (10sec)</li> <li>X 1:17 Good Health Message (10sec)</li> <li>X 1:18 Message describes the good health state. That means, that the VBar unit does not see any or into Message in the last 10 Seconds.</li> <li>X 1:17 Good Health Message (10sec)</li> <li>X 1:17 Good Health Message (10sec)</li> <li>X 1:17 Good Health Message (10sec)</li> <li>X 1:18 Message describes the good health state. That means, that the VBar unit does not see any or into Message in the last 10 Seconds.</li> <li>X 1:27 Good Health Message (10sec)</li> <li>X 1:27 Good Health Message (10sec)</li> <li>X 1:28 Good Health Message (10sec)</li> <li>X 1:29 Good Health Message (10sec)</li> <li>X 2:20 Good Health Message (10sec)</li> <li>X 2:21 Good Health Messa</li></ul>	Δ	0:01	Init Failed, retrying	The Init process of the sensors is very sensitive to movements of the heli or from other external disturbances, i.e. Voltage jumps and glitches. This can lead to a failed initialization. In this Case it is repeated. If this repeats itself all the time, this can point to a defective sensors.
Elevator Sensor at Init	D	0:07	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
(10sec)  O:27 Good Health Message (10sec)  O:38 Good Health Message (10sec)  O:49 Good Health Message (10sec)  O:59 Good Health Message (10sec)  O:50 Good Health Message (10sec	×	0:07		The Sensors are calibrated to their centers at each startup. This gives a center value depending on some serial deviation, but they shall stay in 10% of the ideal center. If this is not met, the sensor may be defective. Check the Live display of the sensor for visible deviation. Even it is possible to fly with a decentered sensor, it is recommended to contact the support
<ul> <li>(10sec)</li> <li>0:37 Good Health Message (10sec)</li> <li>0:47 Good Health Message (10sec)</li> <li>0:57 Good Health Message (10sec)</li> <li>0:57 Good Health Message (10sec)</li> <li>1:07 Good Health Message (10sec)</li> <li>1:07 Good Health Message (10sec)</li> <li>1:08 Good Health Message (10sec)</li> <li>1:08 Good Health Message (10sec)</li> <li>1:17 Good Health Message (10sec)</li> <li>1:17 Good Health Message (10sec)</li> <li>1:17 Good Health Message (10sec)</li> <li>1:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>1:18 Good Health Message (10sec)</li> <li>1:19 Good Health Message (10sec)</li> <li>1:20 Good Health Message (10sec)</li> <li>1:21 Good Health Message (10sec)</li> <li>1:22 Good Health Message (10sec)</li> <li>1:33 Good Health Message (10sec)</li> <li>1:34 Good Health Message (10sec)</li> <li>1:35 Good Health Message (10sec)</li> <li>1:46 Good Health Message (10sec)</li> <li>1:57 Good Health Message (10sec)</li> <li>1:58 Good Health Message (10sec)</li> <li>1:59 Good Health Message (10sec)</li> <li>1:50 Good Health Message (10s</li></ul>	4	0:17		This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
<ul> <li>(10sec)</li> <li>0:47 Good Health Message (10sec)</li> <li>1:07 Good Health Message (10sec)</li> <li>1:107 Good Health Message (10sec)</li> <li>1:107 Good Health Message (10sec)</li> <li>1:108 Good Health Message (10sec)</li> <li>1:108 Good Health Message (10sec)</li> <li>1:109 Good Health Message (10sec)</li> <li>1:100 Message in the last 10 Seconds.</li> <li>1:100 Message (10sec)</li> <li>1:100 Message (10sec)<th></th><th></th><th>(10sec)</th><th>This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.</th></li></ul>			(10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
<ul> <li>(10sec)</li> <li>7 Good Health Message (10sec)</li> <li>1:07 Good Health Message (10sec)</li> <li>1:17 Good Health Message (10sec)</li> <li>1:17 Good Health Message (10sec)</li> <li>1:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>1:17 Good Health Message (10sec)</li> <li>1:27 Good Health Message (10sec)</li> <li>1:28 Good Health Message (10sec)</li> <li>1:39 Good Health Message (10sec)</li> <li>1:47 Good Health Message (10sec)</li> <li>1:47 Good Health Message (10sec)</li> <li>1:57 Good Health Message (10sec)</li> <li>1:57 Good Health Message (10sec)</li> <li>1:57 Good Health Message (10sec)</li> <li>2:07 Good Health Message (10sec)</li> <li>2:17 Good Health Message (10sec)</li> <li>2:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>2:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>2:19 Good Health Message (10sec)</li> <li>2:10 Good Health Message (10sec)</li> <li>2:11 Good Health Message (10sec)</li> <li>2:12 Good Health Message (10sec)</li> <li>2:13 Good Health Message (10sec)</li> <li>2:14 Good Health Message (10sec)</li> <li>2:15 Good Health Message (10sec)</li> <li>2:16 Good Health Message (10sec)</li> <li>2:17 Good Health Message (10sec)</li> <li>2:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>2:18 Good Health Message (10sec)</li> <li>2:19 Good Health Message (10sec)</li> <li>2:10 Good Health Message (10sec)</li> <li>3:10 Good Health Message (10sec)</li> <li>4</li></ul>	<b>*</b>	0:37	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
<ul> <li>(10sec)</li> <li>1:07 Good Health Message (10sec)</li> <li>1:17 Good Health Message (10sec)</li> <li>1:27 Good Health Message (10sec)</li> <li>1:27 Good Health Message (10sec)</li> <li>1:27 Good Health Message (10sec)</li> <li>1:37 Good Health Message (10sec)</li> <li>1:37 Good Health Message (10sec)</li> <li>1:38 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>1:47 Good Health Message (10sec)</li> <li>1:57 Good Health Message (10sec)</li> <li>1:57 Good Health Message (10sec)</li> <li>2:07 Good Health Message (10sec)</li> <li>2:07 Good Health Message (10sec)</li> <li>2:08 Good Health Message (10sec)</li> <li>3:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>2:07 Good Health Message (10sec)</li> <li>2:07 Good Health Message (10sec)</li> <li>2:07 Good Health Message (10sec)</li> <li>2:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>2:27 Good Health Message (10sec)</li> <li>2:28 Good Health Message (10sec)</li> <li>2:29 Good Health Message (10sec)</li> <li>2:27 Good Health Message (10sec)</li> <li>2:28 Good Health Message (10sec)</li> <li>2:29 Good Health Message (10sec)</li> <li>3:30 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>3:40 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>4:50 Good Health Message (10sec)</li> <li>5:60 Good Health Message (10sec)</li> <li>6:70 Good Health Message (10sec)</li> <li>70 Good Health Message (10sec)</li> <li>70 Good Health Message (10sec)</li> <li>70 Good Health Message (10sec)</li></ul>	*	0:47		This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
or Info Message in the last 10 Seconds.  1:17 Good Health Message (10sec)  1:27 Good Health Message (10sec)  1:28 Good Health Message (10sec)  1:39 Good Health Message (10sec)  1:30 Good Health Message (10sec)  1:40 Good Health Message (10sec)  1:41 Good Health Message (10sec)  1:42 Good Health Message (10sec)  1:44 Good Health Message (10sec)  1:55 Good Health Message (10sec)  1:56 Good Health Message (10sec)  1:57 Good Health Message (10sec)  1:58 Good Health Message (10sec)  1:59 Good Health Message (10sec)  1:50 Good Health Message (10sec)  1:50 Good Health Message (10sec)  1:50 Good Health Message (10sec)  1:51 Good Health Message (10sec)  1:52 Good Health Message (10sec)  1:53 Good Health Message (10sec)  1:54 Good Health Message (10sec)  1:55 Good Health Message (10sec)  1:56 Good Health Message (10sec)  1:57 Good Health Message (10sec)  2:60 Good Health Message (10sec)  1:58 Good Health Message (10sec)  1:59 Good Health Message (10sec)  1:50 Good Health Message (10sec)  2:10 Good Health Message (10sec)  2:11 Good Health Message (10sec)  1:50 Good Health Message (10sec)  2:12 Good Health Message (10sec)  2:13 Good Health Message (10sec)  2:14 Good Health Message (10sec)  3:15 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.  1:50 Good Health Message (10sec)  2:17 Good Health Message (10sec)  3:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.  3:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.  3:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.  3:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.  3:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Mess	4	0:57	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
<ul> <li>(10sec)</li> <li>1:27 Good Health Message (10sec)</li> <li>1:37 Good Health Message or Info Message in the last 10 Seconds.</li> <li>1:47 Good Health Message (10sec)</li> <li>1:48 Good Health Message (10sec)</li> <li>1:57 Good Health Message (10sec)</li> <li>1:57 Good Health Message (10sec)</li> <li>1:58 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>1:59 Good Health Message (10sec)</li> <li>2:07 Good Health Message (10sec)</li> <li>2:17 Good Health Message (10sec)</li> <li>2:17 Good Health Message (10sec)</li> <li>2:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>2:17 Good Health Message (10sec)</li> <li>2:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>2:27 Good Health Message (10sec)</li> <li>2:28 Good Health Message (10sec)</li> <li>3 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>3 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>4 Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.</li> <li>4 Coldstart is done on the beginning of each switch on time. A Coldstart can happen in operational mode. So if a reset happens during flight, this points to a power problem. During fligh power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During fligh power is applied to the VBar unit. Usually this points to a power problem. During fligh than 5 Seconds.</li>     &lt;</ul>	4	1:07	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
(10sec)  1:37 Good Health Message (10sec)  1:47 Good Health Message (10sec)  1:47 Good Health Message (10sec)  1:57 Good Health Message (10sec)  1:57 Good Health Message (10sec)  2:07 Good Health Message (10sec)  1:58 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.  This Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.  This Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.  This Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.  This Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.  This Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.  This Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.  This Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.  A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.  A Coldstart is done on the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During fligh ower on reset results in a warmstart. If a coldstart happens during flight, the power loss was methan 5 Seconds.  Bank 0 was loaded from the non volatile memory. This can be triggered my manual backswitch the userinterface as well as in flight if bank switch is programmed to the aux channel. On Startup	4	1:17		This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
<ul> <li>1:47 Good Health Message (10sec)</li> <li>✓ 1:47 Good Health Message (10sec)</li> <li>✓ 1:57 Good Health Message (10sec)</li> <li>✓ 2:07 Good Health Message (10sec)</li> <li>✓ 2:07 Good Health Message (10sec)</li> <li>✓ 2:17 Good Health Message (10sec)</li> <li>✓ 2:27 Good Health Message (10sec)</li> <li>✓ 2:28 Good Health Message (10sec)</li> <li>✓ 2:29 Good Health Message (10sec)</li> <li>✓ 2:29 Good Health Message (10sec)</li> <li>✓ 2:20 Good Health Message (10sec)</li> <li>✓ 3:20 Good Health Message (10sec)</li> <li>✓ 3:20 Good Health Message (10sec)</li> <li>✓ 3:20 Good Health Message (10sec)</li> <li>✓ 3:21 Good Health Message (10sec)</li> <li>✓ 3:22 Good Health Message (10sec)</li> <li>✓ 3:22 Good Health Message (10sec)</li> <li>✓ 3:22 Good Health Message (10sec)</li> <li>✓ 3:24 Good Health Message (10sec)</li> <li>✓ 3:25 Good Health Message (10sec)</li> <li>✓ 3:26 Good Health Message (10sec)</li> <li>✓ 3:27 Good Health Message (10sec)</li> <li>✓ 4:27 Good Health Message (10sec)</li> <li>✓ 5:27 Good Health Message (10sec)</li> <li>✓ 5:27 Good Health Message (10sec)</li> <li>✓ 6:27 Good Health Message (10sec)</li> <li>✓ 6:28 Good Health Message (10sec)</li> <li>✓ 6:29 Good Health Message (10sec)</li> <li>✓ 6:20 Good Health Message (10sec)</li> <li>✓ 6:20 Good Health Message (10sec)</li> <li>✓ 7:20 Good Health Message (10sec)</li> <li>✓ 6:20 Good Health Message (10sec)</li> <li>✓ 6:20 Good Health Message (10sec)</li> <li>✓ 7:20 Good Health Message (10sec)</li> <li>✓ 7:20 Good Health Message (10sec)</li> <li>✓ 7:20 Good Health Message (10sec)</li> <li>✓ 8:20 Good Health Message (10sec)</li> <li>✓ 8:20 Good Health Message (10sec)</li> <li>✓ 8:20 Good Health</li></ul>	4	1:27		This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
<ul> <li>(10sec)</li> <li>✓ 1:57 Good Health Message (10sec)</li> <li>✓ 2:07 Good Health Message (10sec)</li> <li>✓ 2:17 Good Health Message (10sec)</li> <li>✓ 2:27 Good Health Message (10sec)</li> <li>✓ 2:27 Good Health Message (10sec)</li> <li>✓ 2:28 Good Health Message (10sec)</li> <li>✓ 2:29 Good Health Message (10sec)</li> <li>✓ 3:20 Good Health Message (10sec)</li> <li>✓ 2:29 Good Health Message (10sec)</li> <li>✓ 3:20 Good Health Message (10sec)</li> <li>✓ 3:20 Good Health Message (10sec)</li> <li>✓ 3:20 Good Health Message (10sec)</li> <li>✓ 3:21 Good Health Message (10sec)</li> <li>✓ 3:22 Good Health Message (10sec)</li> <li>✓ 3:22 Good Health Message (10sec)</li> <li>✓ 3:24 Good Health Message (10sec)</li> <li>✓ 3:25 Good Health Message (10sec)</li> <li>✓ 3:26 Good Health Message (10sec)</li> <li>✓ 3:27 Good Health Message (10sec)</li> <li>✓ 4 Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.</li> <li>✓ 3:28 Good Health Message (10sec)</li> <li>✓ 5:29 Good Health Message (10sec)</li> <li>✓ 6:00 Good Health Message (10sec)</li> <li>✓ 6:00 Good Health Message (10sec)</li> <li>✓ 6:00 Good Health Message (10secc)</li> <li>✓ 6:00 Good Health Message (10secc)</li> <li>✓ 6:00 Good Health Message (10seccc)</li> <li>✓ 7:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>✓ 6:00 Good Health Message (10seccc)</li> <li>✓ 6:00 Good Health Message (10seccc)</li> <li>✓ 7:18 Message describes the good health state. That means, that the VBar unit does not see any or Info Message (10secccc)</li> <li>✓ 7:18 Message describes the good health state. That means,</li></ul>	4	1:37		This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
<ul> <li>(10sec)</li> <li>2:07 Good Health Message (10sec)</li> <li>7 Cood Health Message (10sec)</li> <li>8 Cood Health Message (10sec)</li> <li>9 Cood Health Message (10sec)</li> <li>1 Cood Health Message (10sec)</li> <li>1 Cood Health Message (10sec)</li> <li>2 Cood Health Message (10sec)</li> <li>2 Cood Health Message (10sec)</li> <li>3 Cood Health Message (10sec)</li> <li>4 Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.</li> <li>2 Cood Reset Reason: Power On</li> <li>3 Cood Bank 0 Loaded</li> <li>4 Bank 0 was loaded from the non volatile memory. This can be triggered my manual backswitch the userinterface as well as in flight if bank switch is programmed to the aux channel. On Startup Bank 0 is loaded by default.</li> </ul>	4	1:47		This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
(10sec)  7 2:17 Good Health Message (10sec)  7 2:27 Good Health Message (10sec)  8 2:27 Good Health Message (10sec)  7 2:28 Good Health Message (10sec)  8 2:29 Good Health Message (10sec)  9 2:29 Good Health Message (10sec)  9 2:20 Coldstart  1 3 Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.  9 2:20 Coldstart  1 4 Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.  1 5 This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight power on reset results in a warmstart. If a coldstart happens during flight, the power loss was me than 5 Seconds.  8 2 Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.  1 5 Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.  1 6 Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.  1 6 Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.  1 7 Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.  1 8 Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.  2 Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.  2 Coldstart is done on the last 10 Seconds.	4	1:57		This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
<ul> <li>(10sec)</li> <li>2:27 Good Health Message (10sec)</li> <li>This Message describes the good health state. That means, that the VBar unit does not see any or Info Message in the last 10 Seconds.</li> <li>0:00 Coldstart</li> <li>A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.</li> <li>0:00 Reset Reason: Power On</li> <li>This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight power on reset results in a warmstart. If a coldstart happens during flight, the power loss was m than 5 Seconds</li> <li>0:00 Bank 0 Loaded</li> <li>Bank 0 was loaded from the non volatile memory. This can be triggered my manual backswitch the userinterface as well as in flight if bank switch is programmed to the aux channel. On Startup Bank 0 is loaded by default.</li> </ul>	4	2:07	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
<ul> <li>✓ 0:00 Coldstart</li> <li>✓ 0:00 Reset Reason: Power On</li> <li>✓ 0:00 Bank 0 Loaded</li> <li>✓ 0:00 Bank 0 is loaded by default.</li> <li>✓ 0:00 Seconds.</li> <li>✓ 0:00 A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the Units is disconnected from power for more than 5 Seconds.</li> <li>✓ 0:00 Reset Reason: Power On</li> <li>✓ 0:00 Bank 0 Loaded</li> <li>Ø vas loaded from the non volatile memory. This can be triggered my manual backswitch the userinterface as well as in flight if bank switch is programmed to the aux channel. On Startup Bank 0 is loaded by default.</li> </ul>	4	2:17	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
<ul> <li>Units is disconnected from power for more than 5 Seconds.</li> <li>✓ 0:00 Reset Reason: Power On</li> <li>This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight power on reset results in a warmstart. If a coldstart happens during flight, the power loss was methan 5 Seconds</li> <li>D:00 Bank 0 Loaded</li> <li>Bank 0 was loaded from the non volatile memory. This can be triggered my manual backswitch the userinterface as well as in flight if bank switch is programmed to the aux channel. On Startup Bank 0 is loaded by default.</li> </ul>	4	2:27		This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
operational mode. So if a reset happens during flight, this points to a power problem. During flight power on reset results in a warmstart. If a coldstart happens during flight, the power loss was me than 5 Seconds  Bank 0 Loaded  Bank 0 was loaded from the non volatile memory. This can be triggered my manual backswitch the userinterface as well as in flight if bank switch is programmed to the aux channel. On Startup Bank 0 is loaded by default.	✓	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
the userinterface as well as in flight if bank switch is programmed to the aux channel. On Startup Bank 0 is loaded by default.	4	0:00	_	operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more
4 0:10 Good Hoalth Mossage This Message describes the good health state. That means, that the VBar unit does not see any	D	0:00	Bank 0 Loaded	Bank 0 was loaded from the non volatile memory. This can be triggered my manual backswitch from the userinterface as well as in flight if bank switch is programmed to the aux channel. On Startup the Bank 0 is loaded by default.
(10sec) or Info Message in the last 10 Seconds.	∢	0:10	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
	D	0:12	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
Some serial deviation, but they shall stay in 10% of the ideal center. If this is not met, the sensor	X	0:12		The Sensors are calibrated to their centers at each startup. This gives a center value depending on some serial deviation, but they shall stay in 10% of the ideal center. If this is not met, the sensor may be defective. Check the Live display of the sensor for visible deviation. Even it is is possible to fly with a decentered sensor, it is recommended to contact the support

<b>√</b> 0:22	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
<b>✓</b> 0:32	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.