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	Wed Feb 04 08:48:37 MSK 2015
Serial	151000000
Prod Date	24.9.2010 13:38
Firmware	5.3
Patchlevel	4

2. Chronological List of Events

⊳	0:16	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
⊳	0:16	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:16	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.
×	0:16	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:16	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:16	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:16	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:16	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	0:16	Satellite Data out of synchronization	The connection to the Satellites has to be resynchronized after some packet losses
Þ	0:17	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
⊳	0:19	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:19	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:19	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:19	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:19	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:19	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
⊳	0:20	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:20	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
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×	0:20	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:20	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:20	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
1	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.
1	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.
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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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
Þ	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.
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.
Þ	0:09	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
Þ	0:15	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:15	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.
×	0:15	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
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×	0:15	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:15	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
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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.
Þ	0:08	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
Þ	0:12	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:12	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.
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×	0:12	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:12	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
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×	0:13	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
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×	0:14	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
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⊳	0:22	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
Þ	0:22	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
×	0:22	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
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Þ	0:22	Satellite Data out of synchronization	The connection to the Satellites has to be resynchronized after some packet losses
1	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.
1	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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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
Þ	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.
Þ	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
Þ	0:13	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:13	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.
Þ	0:13	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
×	0:13	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:13	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:13	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:13	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:13	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	0:13	Satellite Data out of synchronization	The connection to the Satellites has to be resynchronized after some packet losses
Þ	0:14	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:14	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:14	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:14	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:14	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems

×	0:14	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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
Þ	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.
4	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.
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.
1	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
Þ	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.
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.
Þ	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
Þ	0:08	Autotrim activated	The autotrim Feature has been activated. This results in a double twitch of the Swashplate. The autotrim feature stays active, until a new warm/coldstart is done.
1	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.
1	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.
1	0:38	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	0:48	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	0:58	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	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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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
Þ	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.
×	0:06	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.
Þ	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
-	0:00	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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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
Þ	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.

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.
⊳	0:08	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
1	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.
1	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.
1	0:38	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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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
Þ	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.
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.
Þ	0:08	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
Þ	0:12	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:12	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:12	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:12	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:12	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:12	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	0:13	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:13	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.
×	0:13	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:13	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:13	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:13	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems

×	0:13	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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
Þ	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.
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.
Þ	0:08	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
1	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.
1	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.
1	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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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	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.
×	0:01	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.
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.
×	0:07	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.
Þ	0:08	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
Þ	0:08	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:08	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.
×	0:08	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:08	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:08	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:08	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:08	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch

⊳	0:09	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:09	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:09	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:09	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:09	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:09	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	0:11	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:11	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:11	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:11	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:11	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:11	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	0:15	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:15	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.
×	0:15	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:15	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:15	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:15	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:15	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch

⊳	0:16	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:16	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:16	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:16	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:16	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:16	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	0:18	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:18	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.
×	0:18	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:18	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:18	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:18	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:18	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	0:19	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:19	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.
×	0:19	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:19	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:19	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:19	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems

×	0:19	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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	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.
Þ	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
Þ	0:10	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:10	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.
×	0:10	Low Voltage of 2.5V Rail	The Voltae is to small, to let the controller run safely. This error will appear only very seldom, because it is followed by a reset after a few milliseconds. This time will not be sufficient to store the error in the error storage flash area.
×	0:10	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:10	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:10	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:10	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:10	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
1	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.
1	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.
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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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
Þ	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.
Þ	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
4	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.
1	0:27	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	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.

-	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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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
Þ	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.
⊳	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
4	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.
1	0:27	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.
⊳	0:33	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:33	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.
×	0:33	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:33	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:33	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:33	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:33	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	0:34	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:34	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.
Þ	0:34	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
×	0:34	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:34	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:34	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:34	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:34	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch

Þ	0:34	Satellite Data out of synchronization	The connection to the Satellites has to be resynchronized after some packet losses
⊳	0:35	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:35	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.
Þ	0:35	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
×	0:35	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:35	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:35	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:35	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:35	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	0:35	Satellite Data out of synchronization	The connection to the Satellites has to be resynchronized after some packet losses
Þ	0:36	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:36	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:36	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:36	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:36	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:36	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
4	0:46	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.
⊳	0:47	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	0:47	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.
×	0:47	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:47	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems

 C:47 RC Input of Tail Channel missed D:47 RC Input of Tail Channel missed D:47 RC Input of AUX Channel missed D:47 RC Input of AUX Channel missed D:48 Raised Vibration Level D:48 Raised Vibration Level D:40 Antenna Switched D:40 Antenna Switched D:40 Antenna Switched D:40 Antenna Switched D:50 RC Input of Pitch Channel missed D:50 RC Input of AUX Channel missed D:50 RC Input of Allar D:50 RC In	×	0:47	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
 C:47 RC Input of AUX Channel missed D:47 RC Input of AUX Channel missed D:48 Raised Vibration Level D:48 Raised Vibration Level D:50 Antenna Switched D:50 Canten and the state of the state o	×	0:47	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
 0:48 Raised Vibration Level is There was detected a raised level of Vibration. Since the vibration detection has to decide which sign moves. It shall not happen an Iter time. It this error is resported repedidity very often, check the held if vibration advices is the intended measurement signal, this can happen sometimes on hard 30 moves. It shall not happen all the time. If this error is resported repedidity very often, check the held if vibration advices is a single receiver connected, on Frame was lead. 0:50 Antenna Switched The Signal from one of the sattelites was missing. The Main reciver is witched over to the other connection. For Signal from one of the sattelites was missing. The Main reciver is witched over to the other connection on the iso at the proberm velable IO Operations. This is not necessary the reasor a signal avies to the totake a close lock at the power supply. This shall not happen in fight. If you see the mere tight. 0:50 RC Input of Pitch Channel missed 0:50 RC Input of Alieron The Level of the satter time reciver. This Error is raised, if Some no new signal arrives from the reciver. The Error is raised, if Some no new signal arrives from the reciver. Depending on the hatter connection the the case of sattelite recivers. This Error is raised, if Some no new signal arrives from the reciver. Depending on the hatter connection the the case of sattelite recivers. This Error is raised, if Some no new signal arrives from the reciver. Depending on the hatter connection the the case of sattelite recivers. This Error is raised, if Some no new signal arrives from the reciver. Depending on the hatter connection to the reciver. The Error is raised, if Some no new signal arrives from the reciver. Depending on the hatter connection the reciver. The Error is raised, if Some no new signal arrives from the reciver. Depending on the hatter connection the reciver is satelly for Some no new signal arrives from the reciver. The Error is raised, if Som no n	×	0:47	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
 0:50 Antenna Switched D:50 Antenna Switched D:50 Antenna Switched D:50 Low Voltage of 3.3V Rail D:50 Low Voltage of 3.3V Rail D:50 C Input of Pitch Channel missed D:50 RC Input of Alleron Channel missed D:50 RC Input of Elevator Channel missed D:50 RC Input of Tail Channel Missed D:51 Antenna Withe Comection to the reciver/statelia. In case of satilite recivers used, all channels with the connection to the reciver/statelia. In case of satilite recivers used, all channels with the connection to the reciver/statelia. In case of satilite recivers used, all channels with the connection to the reciver/statelia. In case of satilite recivers used, all channels with the connection to the reciver/statelia. In case of satilite recivers used, all channels with the connection to the reciver/statelia. In case of satilite recivers used, all channels with the connection to	⊳	0:48	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
 0:50 Low Voltage of 3.3V Rail 0:50 Low Voltage of 3.3V Rail 0:50 RC Input of Pitch Channel missed 0:50 RC Input of Alleron Channel missed 0:50 RC Input of Elevator Channel missed 0:50 RC Input of Elevator Channel missed 0:50 RC Input of Tail Channel Missed 0:50 RC Input of AUX Channel Missed 0:51 Antenna Switched 0:51 Antenna Switched 0:51 RC Input of AUX Channel Missed 0:51 RC Input of Pitch Channel Missed 0:51 RC Input of Pitch Channel Missed 0:51 RC Input of AUX Channel Missed 0:51 RC Input of Aularon Channel Missed 0:51 RC Input of Fitch Channel Missed	Þ	0:50	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
 0:50 RC Input of Pitch Channel missed 0:50 RC Input of Aileron Channel missed 0:50 RC Input of Elevator Channel missed 0:50 RC Input of Fall 0:50 RC Input of Aileron Channel missed 0:50 RC Input of Elevator Channel missed 0:50 RC Input of Elevator Channel missed 0:50 RC Input of Fall 0:50 RC Input of Tail Channel missed 0:50 RC Input of Tail Channel missed 0:50 RC Input of Aileron Channel missed 0:50 RC Input of Aileron Channel missed 0:50 RC Input of Tail Channel missed 0:50 RC Input of Aileron Tail Channel missed 0:51 Antenna Switched 0:51 Antenna Switched 0:51 Antenna Switched 0:51 RC Input of Aileron Channel missed 0:51 RC Input of Aileron Tail Channel missed 0:51 RC Input of Aileron Tail Signal is updated with each Frame recived from the reciver. This Error is raised, if Soms no new signal arrives from the reciver. Depending on the hardware connection the can point Taileron taileron the reciver and tand the reciver and the reciver and the reciver. This Error i	×	0:50	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.
 0:50 RC Input of Aileron Channel missed 0:50 RC Input of Aileron Channel missed 0:50 RC Input of Elevator Channel missed 0:50 RC Input of Elevator Channel missed 0:50 RC Input of Tail Channel missed 0:50 RC Input of Aileron Tail Input Signal is updated with each Frame recived from the reciver. This Error is raised, if Soms no new signal arrives from the reciver. Depending on the hardware connection this can point by activating for broken wires or connection problems 0:50 RC Input of Tail Channel missed 0:50 RC Input of AUX Channel missed 0:51 Antenna Switched 0:51 Antenna Switched 0:51 RC Input of Pitch Channel missed 0:51 RC Input of Aileron The Signal ist updated with each Frame recived from the reciver. This Error is raised, if the Soms no new signal arrives from the reciver. The pending on the hardware connection this can point problem with the connection to the reciver/statellie. In case of single channels, the canhed state active active	×	0:50	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen separately on each channel. Closely check your wiring for broken wires or connection problems
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 0:50 RC Input of Tail Channel missed 0:50 RC Input of Tail Channel missed 0:50 RC Input of AUX Channel missed 0:51 RC Input of AUX RULL The State of a state of the state	×	0:50	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
 Ci50 RC Input of AUX Channel missed The AUX Input Signal is updated with each Frame recived from the reciver. This Error is raised, if i Soms no new signal arrives from the reciver. Depending on the hardware connection this can point Closely check your wing for broken wires or connection problems. The aux channel is monitored o in case it is used by the bank selets witch O:51 Antenna Switched The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connection. In Case of a single reciver connection, problems. This is not necassary the reason a complete reset, but this is a strong thirt 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. O:51 RC Input of Pitch Channel missed Ci51 RC Input of Aileron Channel missed Ci51 RC Input of Aileron Channel missed Ci51 RC Input of Elevator Channel missed Ci51 RC Input of Flail Channel missed Ci51 RC Input of Tail Channel missed<!--</th--><th>×</th><th>0:50</th><th>RC Input of Tail Channel missed</th><th>The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems</th>	×	0:50	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
 0:51 Antenna Switched 0:51 Antenna Switched 0:51 Low Voltage of 3.3V Rail 0:51 Low Voltage of 3.3V Rail 0:51 Low Voltage of 3.3V Rail 0:51 RC Input of Pitch Channel missed 0:51 RC Input of Aileron Channel missed 0:51 RC Input of Elevator Channel missed 0:51 RC Input of Aileron Channel missed 0:51 RC Input of Elevator Channel missed 0:51 RC Input of Aileron Channel missed 0:51 RC Input of Elevator Channel missed 0:51 RC Input of Aileron Channel missed 0:51 RC Input of Elevator Channel missed 0:51 RC Input of Aileron Channel missed 0:51 RC Input of Elevator Channel missed 0:51 RC Input of Elevator Channel missed 0:51 RC Input of Aileron Channel missed 0:51 RC Input of Elevator Channel missed 0:51 RC Input of Aileron Channel missed 0:51 RC Input of Aileron Channel missed 0:51 RC Input of Aileron Channel missed 0:51 RC Input of Tail Channel missed 0:51 RC Input of Tail Channel missed 0:51 RC Input of Tail Channel missed 0:51 RC Input of AUX Channel missed 0:51 RC Input of AU	×	0:50	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
 × 0:51 Low Voltage of 3.3V Rail × 0:51 Low Voltage of 3.3V Rail × 0:51 RC Input of Pitch Channel missed × 0:51 RC Input of Aileron Channel missed × 0:51 RC Input of Elevator Channel missed × 0:51 RC Input of Aileron Channel missed × 0:51 RC Input of Elevator Channel missed × 0:51 RC Input of Elevator Channel missed × 0:51 RC Input of Aileron Channel missed × 0:51 RC Input of Tail Channel missed × 0:51 RC Input of AUX Channel missed × 0:51 RC Input of AUX Channel missed × 0:51 RC Input of AUX Channel missed × 0:51 RC Input of MUX Channel missed × 0:51 RC Input of MUX Channel missed × 0:51 RC Input of AUX Channel missed × 0:51 RC Input of A	Þ	0:51	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
 0:51 RC Input of Pitch Channel missed 0:51 RC Input of Aileron Channel missed 0:51 RC Input of Elevator Channel missed 0:51 RC Input of Tail Channel missed 0:51 RC Input of AUX Channel missed 0:51 RC Inp	×	0:51	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.
 C:51 RC Input of Aileron Channel missed The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can por to a problem with the connection to the reciver. Depending on the hardware connection this can por channel missed C:51 RC Input of Elevator Channel missed The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can por channel. Closely check your wiring for broken wires or connection problems C:51 RC Input of Elevator Channel missed The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems C:51 RC Input of Tail Channel missed The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if to 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems C:51 RC Input of Tail Channel missed The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if to 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems C:51 RC Input of AUX Channel missed The AUX Input Signal ist updated with each Frame recived from the reciv	×	0:51	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
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 Ci51 RC Input of Tail Channel missed The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if to 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point is problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels w be accused at the same time. In case of single channels, this can happen seperately on each channel Closely check your wiring for broken wires or connection problems Ci51 RC Input of AUX Channel missed The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if fo 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point is 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point is problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels w be accused at the same time. In case of sattelite recivers. This Error is raised, if fo 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point is problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels w problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels w problem with the connection to the reciver. Depending on the hardware connection this can point is problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels w problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels w problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels w problem with the connection to the reciver/sattelite. 	×	0:51	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
8 0:51 RC Input of AUX Channel missed The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if 1 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels w	×	0:51	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
be accused at the same time. In case of single channels, this can happen seperately on each chanr Closely check your wiring for broken wires or connection problems. The aux channel is monitored o in case it is used by the bank selekt switch	×	0:51	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
▶ 0:52 Antenna Switched The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.	⊳	0:52	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.

Þ	0:52	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
×	0:52	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:52	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:52	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:52	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	0:52	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	0:52	Satellite Data out of synchronization	The connection to the Satellites has to be resynchronized after some packet losses
Þ	0:57	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
1	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.
Þ	1:09	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	1:09	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.
×	1:09	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:09	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:09	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:09	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:09	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	1:10	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	1:10	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.
×	1:10	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:10	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems

×	1:10	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:10	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:10	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	1:11	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	1:11	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.
×	1:11	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:11	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:11	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:11	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:11	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	1:12	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	1:12	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.
×	1:12	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen separately on each channel. Closely check your wiring for broken wires or connection problems
×	1:12	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:12	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:12	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:12	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
1	1:22	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.
⊳	1:27	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	1:27	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.

×	1:27	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:27	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:27	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:27	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:27	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	1:28	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	1:28	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.
Þ	1:28	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
×	1:28	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:28	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:28	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:28	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:28	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen separately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
⊳	1:28	Satellite Data out of synchronization	The connection to the Satellites has to be resynchronized after some packet losses
Þ	1:29	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	1:29	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.
×	1:29	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattleite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:29	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	1:29	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems

* 1:29 RC Input of AUX Channel missed The AUX Input Signal ist updated with ea 50ms no new signal arrives from the recive problem with the connection to the recive be accused at the same time. In case of s Closely check your wiring for broken wire in case it is used by the bank selekt switch	ach Frame recived from the reciver. This Error is raised, if for ver. Depending on the hardware connection this can point to a r/sattelite. In case of sattelite recivers used, all channels will single channels, this can happen seperately on each channel. is or connection problems. The aux channel is monitored only ch
1:30 Antenna Switched The Signal from one of the sattelites was connector. In Case of a single reciver corr	s missing. The Main reciver is switched over to the other nected, one frame was lost.
* 1:30 RC Input of Pitch Channel missed The Pitch Input Signal ist updated with eracive problem with the connection to the recive problem with the same time. In case of s Closely check your wiring for broken wire	ach Frame recived from the reciver. This Error is raised, if for ver. Depending on the hardware connection this can point to a rr/sattelite. In case of sattelite recivers used, all channels will single channels, this can happen seperately on each channel. is or connection problems
1:30 RC Input of Aileron Channel missed The Aileron Input Signal ist updated with for 50ms no new signal arrives from the re to a problem with the connection to the re will be accused at the same time. In case channel. Closely check your wiring for brock	each Frame recived from the reciver. This Error is raised, if eciver. Depending on the hardware connection this can point aciver/sattelite. In case of sattelite recivers used, all channels of single channels, this can happen seperately on each oken wires or connection problems
1:30 RC Input of Elevator Channel missed The Elevator Input Signal ist updated wit for 50ms no new signal arrives from the re to a problem with the connection to the re will be accused at the same time. In case channel. Closely check your wiring for brock	th each Frame recived from the reciver. This Error is raised, if eciver. Depending on the hardware connection this can point aciver/sattelite. In case of sattelite recivers used, all channels of single channels, this can happen seperately on each oken wires or connection problems
1:30 RC Input of Tail Channel missed The Tail Input Signal ist updated with ear 50ms no new signal arrives from the recive problem with the connection to the recive be accused at the same time. In case of s Closely check your wiring for broken wire	ch Frame recived from the reciver. This Error is raised, if for ver. Depending on the hardware connection this can point to a r/sattelite. In case of sattelite recivers used, all channels will single channels, this can happen seperately on each channel. is or connection problems
1:30 RC Input of AUX Channel missed The AUX Input Signal ist updated with ear 50ms no new signal arrives from the recive problem with the connection to the recive be accused at the same time. In case of s Closely check your wiring for broken wire in case it is used by the bank selekt switch	ach Frame recived from the reciver. This Error is raised, if for ver. Depending on the hardware connection this can point to a r/sattelite. In case of sattelite recivers used, all channels will single channels, this can happen seperately on each channel. is or connection problems. The aux channel is monitored only ch
 1:40 Good Health Message (10sec) This Message describes the good health or Info Message in the last 10 Seconds. 	state. That means, that the VBar unit does not see any error
 1:50 Good Health Message (10sec) This Message describes the good health or Info Message in the last 10 Seconds. 	state. That means, that the VBar unit does not see any error
 Good Health Message (10sec) This Message describes the good health or Info Message in the last 10 Seconds. 	state. That means, that the VBar unit does not see any error
 2:10 Good Health Message (10sec) This Message describes the good health or Info Message in the last 10 Seconds. 	state. That means, that the VBar unit does not see any error
2:16 Antenna Switched The Signal from one of the sattelites was connector. In Case of a single reciver con	s missing. The Main reciver is switched over to the other nnected, one frame was lost.
X 2:16 Low Voltage of 3.3V Rail The Controller is no longer able to perfor a complete reset, but this is a strong hint happen in flight. If you see this error, the	rm reliable IO Operations. This is not necassary the reason for to take a close look at the power supply. This shall not problem has to be fixed before the next flight.
X 2:16 RC Input of Pitch Channel missed The Pitch Input Signal ist updated with ex- 50ms no new signal arrives from the recive problem with the connection to the recive be accused at the same time. In case of s Closely check your wiring for broken wire	ach Frame recived from the reciver. This Error is raised, if for ver. Depending on the hardware connection this can point to a r/sattelite. In case of sattelite recivers used, all channels will single channels, this can happen seperately on each channel. is or connection problems
X 2:16 RC Input of Aileron Channel missed The Aileron Input Signal ist updated with for 50ms no new signal arrives from the re to a problem with the connection to the re will be accused at the same time. In case channel. Closely check your wiring for bro	each Frame recived from the reciver. This Error is raised, if eciver. Depending on the hardware connection this can point eciver/sattelite. In case of sattelite recivers used, all channels of single channels, this can happen seperately on each oken wires or connection problems
X 2:16 RC Input of Elevator Channel missed The Elevator Input Signal ist updated wit for 50ms no new signal arrives from the re to a problem with the connection to the re will be accused at the same time. In case channel. Closely check your wiring for bro	th each Frame recived from the reciver. This Error is raised, if reciver. Depending on the hardware connection this can point aciver/sattelite. In case of sattelite recivers used, all channels of single channels, this can happen seperately on each oken wires or connection problems
X 2:16 RC Input of Tail Channel missed The Tail Input Signal ist updated with each 50ms no new signal arrives from the recive problem with the connection to the recive be accused at the same time. In case of s Closely check your wiring for broken wire	ch Frame recived from the reciver. This Error is raised, if for ver. Depending on the hardware connection this can point to a r/sattelite. In case of sattelite recivers used, all channels will single channels, this can happen seperately on each channel. s or connection problems
X 2:16 RC Input of AUX Channel missed The AUX Input Signal ist updated with ea 50ms no new signal arrives from the recive problem with the connection to the recive be accused at the same time. In case of s Closely check your wiring for broken wire in case it is used by the bank selekt switc	ach Frame recived from the reciver. This Error is raised, if for ver. Depending on the hardware connection this can point to a r/sattelite. In case of sattelite recivers used, all channels will single channels, this can happen seperately on each channel. is or connection problems. The aux channel is monitored only ch
2:17 Antenna Switched The Signal from one of the sattelites was connector. In Case of a single reciver con	s missing. The Main reciver is switched over to the other nected, one frame was lost.

×	2:17	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.
×	2:17	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:17	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:17	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of sigle channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:17	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:17	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	2:18	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	2:18	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.
×	2:18	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen separately on each channel. Closely check your wiring for broken wires or connection problems
×	2:18	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:18	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen separately on each channel. Closely check your wiring for broken wires or connection problems
×	2:18	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:18	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	2:19	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	2:19	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.
×	2:19	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen separately on each channel. Closely check your wiring for broken wires or connection problems
×	2:19	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:19	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:19	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems

×	2:19	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	2:24	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	2:24	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.
×	2:24	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:24	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:24	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:24	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:24	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	2:25	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	2:25	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:25	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:25	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:25	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:25	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	2:28	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	2:28	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.
×	2:28	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:28	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:28	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems

×	2:28	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:28	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	2:29	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	2:29	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.
×	2:29	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:29	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:29	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:29	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:29	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	2:30	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	2:30	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.
×	2:30	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:30	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:30	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:30	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:30	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	2:31	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
×	2:31	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.
×	2:31	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems

×	2:31	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:31	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:31	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:31	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	2:32	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
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×	2:32	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:32	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:32	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:32	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	2:33	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
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×	2:33	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:33	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:33	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:33	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:33	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
⊳	2:34	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.

×	2:34	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.
Þ	2:34	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
×	2:34	RC Input of Pitch Channel missed	The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:34	RC Input of Aileron Channel missed	The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:34	RC Input of Elevator Channel missed	The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:34	RC Input of Tail Channel missed	The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems
×	2:34	RC Input of AUX Channel missed	The AUX Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems. The aux channel is monitored only in case it is used by the bank selekt switch
Þ	2:34	Satellite Data out of synchronization	The connection to the Satellites has to be resynchronized after some packet losses
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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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	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.
Þ	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
1	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.
Δ	0:19	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	0:20	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	0:21	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	0:22	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	0:23	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	0:25	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.

Δ	0:26	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
4	0:36	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.
Δ	0:42	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
1	0:52	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.
⊳	0:57	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
Δ	1:07	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	1:08	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
4	1:18	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.
Δ	1:24	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	1:32	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	1:33	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
4	1:43	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	1:53	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.
Þ	1:55	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
Þ	2:05	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
4	2:15	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.
Δ	2:24	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
Þ	2:33	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
Δ	2:43	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
4	2:53	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.
Δ	2:58	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.

Δ	2:59	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	3:01	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	3:02	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Þ	3:11	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	3:12	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	3:22	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.
1	3:32	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.
1	3:42	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.
×	3:50	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
×	4:00	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
1	4:10	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.
Þ	4:17	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
	4:18	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
	4:19	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	4:21	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	4:31	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.
1	4:41	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.
1	4:51	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.
1	5:01	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	5:11	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.
Þ	5:17	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
Þ	5:27	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
Þ	5:36	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.

Þ	5:44	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
4	5:54	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	6:04	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	6:14	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	6:24	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	6:34	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	6:44	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.
Þ	6:53	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
1	7:03	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.
×	7:12	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
4	7:22	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.
Δ	7:32	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
Δ	7:41	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
4	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar
×.	0.00		Units is disconnected from power for more than 5 Seconds.
*	0:00	Reset Reason: Power On	Units is disconnected from power for more than 5 Seconds. 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	Reset Reason: Power On Bank 0 Loaded	Units is disconnected from power for more than 5 Seconds. 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 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.
• • ►	0:00 0:00 0:00 0:01	Reset Reason: Power On Bank 0 Loaded Init Failed, retrying	Units is disconnected from power for more than 5 Seconds. 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 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. 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.
• ► ▲	0:00 0:00 0:01 0:02	Reset Reason: Power On Bank 0 Loaded Init Failed, retrying Init Failed, retrying	 Units is disconnected from power for more than 5 Seconds. 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 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. 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.
	0:00 0:00 0:01 0:02 0:09	Reset Reason: Power On Bank 0 Loaded Init Failed, retrying Init Failed, retrying High Vibration Level	Units is disconnected from power for more than 5 Seconds. 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 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. 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. 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. The lnit 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. The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
	0:00 0:00 0:01 0:02 0:09 0:19	Reset Reason: Power On Bank 0 Loaded Init Failed, retrying Init Failed, retrying High Vibration Level Raised Vibration Level	This is disconnected from power for more than 5 Seconds. 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 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. 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. 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. The lnit 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. The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations. There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration so
	0:00 0:00 0:01 0:02 0:09 0:19 0:00	Reset Reason: Power On Bank 0 Loaded Init Failed, retrying Init Failed, retrying High Vibration Level Raised Vibration Level Coldstart	 Units is disconnected from power for more than 5 Seconds. 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 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. 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. 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. 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. The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations. There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repe
	0:00 0:00 0:01 0:02 0:09 0:19 0:00 0:00	Reset Reason: Power On Bank 0 Loaded Init Failed, retrying Init Failed, retrying High Vibration Level Raised Vibration Level Coldstart Reset Reason: Power On	 Units is disconnected from power for more than 5 Seconds. 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 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. 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. 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. 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. The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources. 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
	0:00 0:00 0:01 0:02 0:09 0:19 0:00 0:00 0:00	Reset Reason: Power On Bank 0 Loaded Init Failed, retrying Init Failed, retrying High Vibration Level Raised Vibration Level Coldstart Reset Reason: Power On Bank 0 Loaded	 Units is disconnected from power for more than 5 Seconds. 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 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. 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. The lnit 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. The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations. There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidity very often, check the heli for vibration sources. 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. This happens if power is applied to the VBar unit. Usually this is
	0:00 0:00 0:01 0:02 0:09 0:19 0:00 0:00 0:00 0:00	Reset Reason: Power On Bank 0 Loaded Init Failed, retrying Init Failed, retrying High Vibration Level Raised Vibration Level Coldstart Reset Reason: Power On Bank 0 Loaded Init Failed, retrying	Units is disconnected from power for more than 5 Seconds. 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 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. The lnit 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. The lnit 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. The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations. There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources. 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. This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if
	0:00 0:00 0:01 0:02 0:09 0:19 0:00 0:00 0:00 0:00 0:01 0:02	Reset Reason: Power On Bank 0 Loaded Init Failed, retrying Init Failed, retrying High Vibration Level Raised Vibration Level Coldstart Reset Reason: Power On Bank 0 Loaded Init Failed, retrying Init Failed, retrying	Units is disconnected from power for more than 5 seconds. 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 reser results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds 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. 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. 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. The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations. There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidity very often, check the heli for vibration sources. 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. This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if

Δ	0:09	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
Δ	0:19	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
×	0:28	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
Δ	0:30	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	0:31	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	0:32	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
1	0:42	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.
Þ	0:43	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	0:46	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	0:56	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	1:06	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	1:16	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.
Þ	1:22	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Δ	1:26	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
Þ	1:27	Testmode Timeout	The Connection to the Control Unit was interrupted. If for about 2 seconds there is no more data arriving from the control device, the testmode is deactivated automatically. This prevents from flying in testmode.
Þ	1:36	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
1	1:46	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	1:56	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.
Δ	1:59	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	2:00	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	2:01	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
Δ	2:03	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.

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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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
Þ	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.
Þ	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
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.
1	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
Þ	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.
Þ	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
1	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.
1	0:27	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	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.
Þ	0:47	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	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.
1	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.
Þ	1:09	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	1:19	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	1:29	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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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
Þ	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.
Þ	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
4	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.
4	0:27	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	0:37	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.
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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.

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
Þ	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.
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.
⊳	0:08	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	Autotrim activated	The autotrim Feature has been activated. This results in a double twitch of the Swashplate. The autotrim feature stays active, until a new warm/coldstart is done.
1	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.
1	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.
1	0:38	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	0:48	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	0:58	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	1:08	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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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
Þ	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.
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.
Þ	0:08	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	Autotrim activated	The autotrim Feature has been activated. This results in a double twitch of the Swashplate. The autotrim feature stays active, until a new warm/coldstart is done.
1	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.
1	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.
1	0:38	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	0:48	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.
Þ	0:54	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	0:55	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	1:05	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	1:15	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	1:25	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	1:35	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	1:45	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.
Þ	1:53	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	2:03	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	2:13	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	2:23	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	2:33	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	2:43	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.
Þ	2:49	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	2:57	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	3:07	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.
1	3:17	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.
Þ	3:19	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	3:29	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.
⊳	3:34	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	3:44	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	3:54	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	4:04	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	4:14	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.
Þ	4:24	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	4:32	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	4:42	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	4:52	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	5:02	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.
Þ	5:10	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.

Þ	5:17	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	5:25	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	5:31	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	5:38	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	5:42	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	5:44	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	5:45	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	5:48	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
4	5:58	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	6:08	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	6:18	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.
4	6:28	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.
4	6:38	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.
Δ	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
1	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
Þ	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.
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.
⊳	0:08	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
4	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.
4	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.
4	0:38	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	0:48	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	0:58	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	1:08	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	1:18	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.
1	1:28	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.
1	1:38	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	1:48	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	1:58	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	2:08	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	2:18	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.
4	2:28	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.
1	2:38	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	2:48	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	2:58	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	3:08	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	3:18	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.
1	3:28	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.
1	3:38	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	3:48	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	3:58	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	4:08	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	4:18	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.
Þ	4:24	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	4:26	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
4	4:36	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	4:46	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	4:56	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	5:06	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	5:16	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	5:26	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	5:36	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.
Þ	5:46	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	5:56	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.
Þ	5:58	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	6:08	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.
Þ	6:18	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
Þ	6:24	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
1	6:34	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.
Þ	6:38	Testmode Started	The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentially. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth.
\triangleright	6:40	Testmode Ended	Testmode has been switched off intentinally. Normal control loop is in action now
4	6:50	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	7:00	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	7:10	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	7:20	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	7:30	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.
-	0:00	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.
1	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
Þ	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.
⊳	0:08	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.
4	0:18	Good Health Message	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
	0.00	Popot Popop: Dowor	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in
	0.00	On	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
Þ	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.
4	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.