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	**Sun Nov 16 19:53:28 EET 2014**
Serial	**1520101803**
Prod Date	**14.11.2012 7:55**
Firmware	**5.3**
Patchlevel	**4**

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

2. Chronological List of Events

▷	0:16	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:17	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:18	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:19	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:20	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:21	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:22	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:23	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
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▷	0:26	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:27	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:28	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:29	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:30	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:31	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:32	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:33	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:34	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:35	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:36	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:37	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:38	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:39	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:40	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:41	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

▷	0:42	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:43	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:44	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:45	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:46	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:47	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:48	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:49	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:50	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:51	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:52	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
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▷	0:56	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:57	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:58	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:59	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	1:00	Low Voltage of 3.3V Rail	The Controller is no longer able to perform reliable IO Operations. This is not necassary the reason for a complete reset, but this is a strong hint to take a close look at the power supply. This shall not happen in flight. If you see this error, the problem has to be fixed before the next flight.
▷	1:00	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	1:00	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
✖	1:00	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
✖	1:00	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
✖	1:00	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
▷	1:01	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

✖	1:01	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
✖	1:01	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
✖	1:01	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
✖	1:01	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
▷	1:02	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	1:03	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.
▷	1:03	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	1:03	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
✖	1:03	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
✖	1:03	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
✖	1:03	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
▷	1:04	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:05	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
⚠	1:05	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.
▷	1:06	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	1:07	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.
▷	1:07	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:08	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:09	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:10	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	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	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.
▷	1:11	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

✖	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	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	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 seperately 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	Satellite Data out of synchronization	The connection to the Satellites has to be resynchronized after some packet losses
▷	1:13	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:14	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
⚠	1:14	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.
▷	1:15	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:16	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:17	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:18	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:19	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:20	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:21	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:22	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:23	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:24	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:25	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:26	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:27	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:28	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:29	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

▷	1:30	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:31	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:32	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:33	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:34	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:35	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:36	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	1:37	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.
✖	1:37	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.
▷	1:37	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	1:37	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
✖	1:37	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
✖	1:37	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
✖	1:37	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
▷	1:38	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
⚠	1:38	Tail Sensor shows no actual Signal	This is an plausibility check. If the Heli starts to vibrate, this shall at least have effect to all sensors. If one of the Sensors do not show the Signal, it may point to a specific problem, not necassary with this sensor, but a general problem.
▷	1:39	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
⚠	1:39	Tail Sensor shows no actual Signal	This is an plausibility check. If the Heli starts to vibrate, this shall at least have effect to all sensors. If one of the Sensors do not show the Signal, it may point to a specific problem, not necassary with this sensor, but a general problem.
▷	1:40	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:41	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:42	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:43	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	1:43	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
▷	1:44	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	1:45	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.

▷	1:45	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:46	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:47	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:48	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	1:49	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.
▷	1:49	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	1:49	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
✖	1:49	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
✖	1:49	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
✖	1:49	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
▷	1:49	Satellite Data out of synchronization	The connection to the Satellites has to be resynchronized after some packet losses
▷	1:50	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:51	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:52	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:53	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:53	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.
▷	1:54	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
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▷	1:56	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:57	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:58	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:59	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:00	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:01	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:02	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

▷	2:03	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:04	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:05	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:06	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:07	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:08	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:09	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:10	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:11	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:12	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:13	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:14	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:15	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:16	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:17	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:18	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:19	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:20	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:21	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	2:22	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.
▷	2:22	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	2:23	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.
✖	2:23	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.
▷	2:23	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	2:23	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
✖	2:23	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

✖	2:23	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
✖	2:23	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	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:25	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:26	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:27	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:28	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:29	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:30	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:31	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
⚠	2:31	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.
▷	2:32	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	2:33	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:00	Warmstart	Warmstart is an indication for a short power loss, or any other reset reason. If the CPU comes up, and detects, that the power loss was less than 5 seconds, this causes a warmstart. This can happen also, if power is applyed and removed in a short sequence. When bining a Spektrum Sattelite, this will occur and is intended.
✖	0:00	Low Voltage of 3.3V Rail	The Controller is no longer able to perform reliable IO Operations. This is not necassary the reason for a complete reset, but this is a strong hint to take a close look at the power supply. This shall not happen in flight. If you see this error, the problem has to be fixed before the next flight.
✔	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.
▷	0:00	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:00	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
✖	0:00	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
✖	0:00	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
✖	0:00	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
✖	0:01	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.

▷	0:01	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:02	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:03	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:04	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:05	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.
✖	0:05	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.
▷	0:05	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:05	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
✖	0:05	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
✖	0:05	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
✖	0:05	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
▷	0:06	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:06	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
✖	0:06	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
✖	0:06	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
✖	0:06	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
⚠	0:06	Tail Sensor shows no actual Signal	This is an plausibility check. If the Heli starts to vibrate, this shall at least have effect to all sensors. If one of the Sensors do not show the Signal, it may point to a specific problem, not necassary with this sensor, but a general problem.
✖	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.
✖	0:07	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.
▷	0:07	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:07	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
✖	0:07	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

✖	0:07	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
✖	0:07	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
⚠	0:07	Tail Sensor shows no actual Signal	This is an plausibility check. If the Heli starts to vibrate, this shall at least have effect to all sensors. If one of the Sensors do not show the Signal, it may point to a specific problem, not necassary with this sensor, but a general problem.
✖	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	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	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	Tail Sensor shows no actual Signal	This is an plausibility check. If the Heli starts to vibrate, this shall at least have effect to all sensors. If one of the Sensors do not show the Signal, it may point to a specific problem, not necassary with this sensor, but a general problem.
▷	0:09	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:09	Extreme Vibration Level	Vibrations are extreme. That means, that the measurement signal is much lower than the signal level of the vibrations. No usable flying is possible with this level. Everything has to be checked and extended tests are needed to isolate and eliminate the source of vibrations
⚠	0:09	Tail Sensor shows no actual Signal	This is an plausibility check. If the Heli starts to vibrate, this shall at least have effect to all sensors. If one of the Sensors do not show the Signal, it may point to a specific problem, not necassary with this sensor, but a general problem.
✖	0:00	Warmstart	Warmstart is an indication for a short power loss, or any other reset reason. If the CPU comes up, and detects, that the power loss was less than 5 seconds, this causes a warmstart. This can happen also, if power is applyed and removed in a short sequence. When bining a Spektrum Sattelite, this will occur and is intended.
✖	0:00	Low Voltage of 3.3V Rail	The Controller is no longer able to perform reliable IO Operations. This is not necassary the reason for a complete reset, but this is a strong hint to take a close look at the power supply. This shall not happen in flight. If you see this error, the problem has to be fixed before the next flight.
✖	0:00	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.
✔	0:00	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.
✖	0:00	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
✖	0:00	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
✖	0:00	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

✖	0:00	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
⚠	0:00	Tail Sensor shows no actual Signal	This is an plausibility check. If the Heli starts to vibrate, this shall at least have effect to all sensors. If one of the Sensors do not show the Signal, it may point to a specific problem, not necassary with this sensor, but a general problem.
✖	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.
✖	0:01	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.
▷	0:01	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:01	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
✖	0:01	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
✖	0:01	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
✖	0:01	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 single channels, this can 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
⚠	0:01	Tail Sensor shows no actual Signal	This is an plausibility check. If the Heli starts to vibrate, this shall at least have effect to all sensors. If one of the Sensors do not show the Signal, it may point to a specific problem, not necassary with this sensor, but a general problem.
▷	0:02	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:02	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
✖	0:02	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
✖	0:02	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
✖	0:02	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
✖	0:00	Warmstart	Warmstart is an indication for a short power loss, or any other reset reason. If the CPU comes up, and detects, that the power loss was less than 5 seconds, this causes a warmstart. This can happen also, if power is applyed and removed in a short sequence. When bining a Spektrum Sattelite, this will occur and is intended.
✖	0:00	Low Voltage of 3.3V Rail	The Controller is no longer able to perform reliable IO Operations. This is not necassary the reason for a complete reset, but this is a strong hint to take a close look at the power supply. This shall not happen in flight. If you see this error, the problem has to be fixed before the next flight.
✖	0:00	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.
✔	0:00	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.
▷	0:00	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

✖	0:00	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
✖	0:00	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
✖	0:00	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
✖	0:00	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
▷	0:01	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:02	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.
✖	0:02	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.
▷	0:02	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:02	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
✖	0:02	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
✖	0:02	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
✖	0:02	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
▷	0:03	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:03	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
✖	0:03	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
✖	0:03	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
✖	0:03	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
▷	0:04	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:05	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.
▷	0:05	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

✖	0:05	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
✖	0:05	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
✖	0:05	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
✖	0:05	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
▷	0:06	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:07	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:08	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:09	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:09	Extreme Vibration Level	Vibrations are extreme. That means, that the measurement signal is much lower than the signal level of the vibrations. No usable flying is possible with this level. Everything has to be checked and extended tests are needed to isolate and eliminate the source of vibrations
▷	0:10	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:11	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:12	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	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	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.
▷	0:13	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:14	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.
▷	0:14	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	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
▷	0:15	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:16	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

▷	0:17	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	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	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:19	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
⚠	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.
▷	0:20	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:21	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:22	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.
▷	0:22	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:23	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.
▷	0:23	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:23	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
✖	0:23	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
✖	0:23	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
✖	0:23	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
✖	0:24	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.
✖	0:24	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.
▷	0:24	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:24	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
✖	0:24	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
✖	0:24	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
✖	0:24	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
✖	0:25	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.

✖	0:25	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.
▷	0:25	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:25	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
✖	0:25	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
✖	0:25	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
✖	0:25	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
✖	0:25	Aileron Sensor Value out of Range	The Sensor delivers Values that are not trustful. Rotational rates, that will create this values are usually not possible in air. The Sensor may be defective. This can happen in certain cases if the heli is handleled on ground, or on very hard landings or very extreme Vibrations.
✖	0:25	Elevator Sensor Value out of Range	The Sensor delivers Values that are not trustful. Rotational rates, that will create this values are usually not possible in air. The Sensor may be defective. This can happen in certain cases if the heli is handleled on ground, or on very hard landings or very extreme Vibrations.
⚠	0:25	Tail Sensor shows no actual Signal	This is an plausibility check. If the Heli starts to vibrate, this shall at least have effect to all sensors. If one of the Sensors do not show the Signal, it may point to a specific problem, not necassary with this sensor, but a general problem.
✖	0:00	Warmstart	Warmstart is an indication for a short power loss, or any other reset reason. If the CPU comes up, and detects, that the power loss was less than 5 seconds, this causes a warmstart. This can happen also, if power is applyed and removed in a short sequence. When bining a Spektrum Sattelite, this will occur and is intended.
✖	0:00	Low Voltage of 3.3V Rail	The Controller is no longer able to perform reliable IO Operations. This is not necassary the reason for a complete reset, but this is a strong hint to take a close look at the power supply. This shall not happen in flight. If you see this error, the problem has to be fixed before the next flight.
✖	0:00	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.
✔	0:00	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.
▷	0:00	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:00	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
✖	0:00	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
✖	0:00	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
✖	0:00	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
⚠	0:00	Tail Sensor shows no actual Signal	This is an plausibility check. If the Heli starts to vibrate, this shall at least have effect to all sensors. If one of the Sensors do not show the Signal, it may point to a specific problem, not necassary with this sensor, but a general problem.
▷	0:01	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:02	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

▷	0:03	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:04	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:05	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:06	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:07	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:08	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:09	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✘	0:09	Extreme Vibration Level	Vibrations are extreme. That means, that the measurement signal is much lower than the signal level of the vibrations. No usable flying is possible with this level. Everything has to be checked and extended tests are needed to isolate and eliminate the source of vibrations
▷	0:10	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:11	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:12	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:13	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:14	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:15	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:16	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:17	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:18	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:19	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:20	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:21	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:22	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:23	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:24	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:25	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:26	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:27	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:28	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:29	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

▷	0:30	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:31	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:32	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:33	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:34	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
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▷	0:36	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:37	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:38	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:39	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:40	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:41	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:42	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:43	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:44	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:45	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:46	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:47	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:48	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:49	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:50	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:51	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:52	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:53	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:54	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:55	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:56	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:57	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

▷	0:58	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:59	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:00	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:01	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:02	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:03	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:04	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:05	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:06	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:07	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:08	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:09	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:10	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:11	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:12	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:13	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:14	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:15	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:16	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:17	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:18	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:19	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
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▷	1:21	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:22	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:23	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:24	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:25	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

▷	1:26	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:27	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:28	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:29	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	1:30	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✔	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
✔	0:00	Reset Reason: Power On	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds
▷	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	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	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:00	Warmstart	Warmstart is an indication for a short power loss, or any other reset reason. If the CPU comes up, and detects, that the power loss was less than 5 seconds, this causes a warmstart. This can happen also, if power is applyed and removed in a short sequence. When bining a Spektrum Sattelite, this will occur and is intended.
✔	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.
▷	0:00	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✖	0:00	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
✖	0:00	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
✖	0:00	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
✖	0:00	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
▷	0:01	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:02	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:03	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:04	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:05	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:06	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

▷	0:07	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:08	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:09	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:10	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:11	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:12	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:13	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:14	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:15	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:16	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:17	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:18	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:19	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:20	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:21	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:22	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:23	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:24	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:25	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:26	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:27	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:28	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:29	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:30	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:31	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:32	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:33	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:34	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

▷	0:35	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:36	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:37	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:38	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✔	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
✔	0:00	Reset Reason: Power On	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds
▷	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.
▷	0:05	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
▷	0:05	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:06	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:07	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:08	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:09	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:10	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:11	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:12	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:13	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:14	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:15	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:16	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:17	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:18	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:19	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:20	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:21	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:22	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:23	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
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▷	0:25	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:26	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:27	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:28	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:29	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:30	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:31	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:32	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:33	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:34	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:35	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:36	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:37	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:38	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:39	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:40	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
✔	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
✔	0:00	Reset Reason: Power On	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds
▷	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	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.
▷	0:06	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
▷	0:06	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:07	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:08	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:09	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:10	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:11	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:12	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses

▷	0:13	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:14	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:15	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:16	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:17	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:18	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:19	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:20	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:21	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:22	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
▷	0:23	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses
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▷	0:36	Satellite Data out of synchronization	The connection to the satellites has to be resynchronized after some packet losses