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	**5.1.7 27.03.2011**
Date	**Wed Jun 08 12:48:26 CEST 2011**
Serial	**1410001234**
Prod Date	**15.1.2010 13:42**
Firmware	**5.1**
Patchlevel	**6**

2. Chronological List of Events

	0:16	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	0:16	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:22	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
▷	0:22	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:22	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	0:32	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	0:35	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:35	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:36	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:36	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:38	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:38	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:40	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
⚠	0:41	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
▷	0:44	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	0:44	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	0:44	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:46	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	0:46	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	0:46	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:47	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:47	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:50	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	0:50	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
⚠	0:51	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.
▷	0:52	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.

▷	0:52	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:53	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:54	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:54	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:55	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:55	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:56	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:56	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:57	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:57	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:58	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:58	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:59	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:59	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
⚠	1:00	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.
▷	1:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
✖	1:10	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
▷	1:11	Governor ON	Governor switched to mode ON
✖	1:20	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
✖	1:29	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
✖	1:39	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
✖	1:48	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
▷	1:48	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	1:52	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:52	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✖	1:58	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
✔	2:08	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	2:12	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.

	Time	Message	Description
	2:12	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	2:12	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	2:21	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	2:21	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	2:24	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	2:24	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	2:24	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	2:28	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	2:28	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	2:28	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	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.
▷	0:00	Bank 2 Loaded	Bank 2 was loaded from the non volatile memory. This can be triggered my manual bankswitch from the userinterface as well as in flight if bank switch is programmed to the aux channel.
▷	0:00	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	0:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:07	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
▷	0:10	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:10	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	0:20	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:30	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	0:38	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:38	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:42	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.
▷	0:44	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:44	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	0:54	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:04	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.

⚠	1:07	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.
▷	1:09	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	1:09	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	1:09	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✖	1:16	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
▷	1:16	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	1:16	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	1:16	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:22	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:22	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:23	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
⚠	1:26	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
▷	1:28	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:29	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	1:32	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	1:32	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:33	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:33	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:34	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:34	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:35	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:35	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
⚠	1:36	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.
▷	1:36	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:37	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:37	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:38	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
✖	1:45	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

▷	1:48	Governor ON	Governor switched to mode ON
✖	1:55	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
✖	2:05	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
✖	2:14	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
▷	2:14	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	2:19	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
✖	2:24	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
▷	2:33	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
✔	2:43	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	2:52	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	2:52	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	2:52	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	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.
▷	0:00	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	0:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:07	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
✔	0:17	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	0:19	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	0:19	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	0:20	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:20	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	0:30	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:40	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:00	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.

▷	0:00	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	0:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	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
⚠	0:11	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
▷	0:13	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:13	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
⚠	0:16	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
▷	0:20	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	0:20	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	0:20	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	0:30	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	0:32	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	0:32	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	0:32	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
⚠	0:35	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
⚠	0:36	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
⚠	0:37	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
✔	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.
▷	0:00	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	0:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
⚠	0:02	Init Failed, retrying...	The Init process of the sensors is very sensitive to movements of the heli or from other external disturbances, i.e. Voltage jumps and glitches. This can lead to a failed initialization. In this Case it is repeated. If this repeats itself all the time, this can point to a defective sensors.
▷	0:08	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
▷	0:09	Governor ON	Governor switched to mode ON

✔	0:19	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	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.
▷	0:00	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	0:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:07	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
✔	0:17	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:27	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	0:28	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	0:28	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	0:28	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:38	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
▷	0:40	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	0:40	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	0:40	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:47	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	0:47	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	0:47	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:48	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
▷	0:48	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:48	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:49	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:50	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:51	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:51	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:56	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.

▷	0:56	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✖	0:57	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
▷	0:57	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:57	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:06	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:06	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✖	1:07	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
▷	1:09	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	1:09	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	1:09	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:10	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:10	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:11	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:12	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
✖	1:16	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
▷	1:22	Governor ON	Governor switched to mode ON
✖	1:26	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
✖	1:36	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
✖	1:45	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
▷	1:51	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	1:54	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:54	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✖	1:55	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
⚠	2:03	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
⚠	2:04	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
⚠	2:05	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.

✖	2:05	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
▷	2:12	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	2:12	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	2:20	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	2:20	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	2:20	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	2:30	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	2:33	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	2:33	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	2:33	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	2:34	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	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.
▷	0:00	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	0:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:07	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
▷	0:09	Bank 3 Loaded	Bank 3 was loaded from the non volatile memory. This can be triggered my manual bankswitch from the userinterface as well as in flight if bank switch is programmed to the aux channel.
▷	0:13	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:13	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:16	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	0:16	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
✔	0:26	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	0:36	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:38	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
▷	0:48	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
▷	0:50	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.

▷	0:50	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:54	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	0:54	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	0:54	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:55	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:55	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:56	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:56	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✖	0:57	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
▷	0:57	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:57	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:59	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:59	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:00	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:03	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	1:03	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	1:03	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✖	1:07	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
▷	1:11	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	1:11	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	1:11	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:12	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
✖	1:16	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
✖	1:26	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
▷	1:29	Governor ON	Governor switched to mode ON
✖	1:36	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
✖	1:45	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

❌	1:55	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
❌	2:05	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
❌	2:14	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
❌	2:24	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
❌	2:33	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
❌	2:43	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
⚠️	2:53	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.
⚠️	3:02	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.
▷	3:10	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
⚠️	3:12	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.
❌	3:21	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
❌	3:31	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
⚠️	3:41	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
⚠️	3:50	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
⚠️	4:00	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
▷	4:09	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
❌	4:10	Extreme Vibration Level	Vibrations are extreme. That means, that the measurement signal is much lower than the signal level of the vibrations. No usable flying is possible with this level. Everything has to be checked and extended tests are needed to isolate and eliminate the source of vibrations
▷	4:13	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	4:13	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	4:14	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
❌	4:19	Extreme Vibration Level	Vibrations are extreme. That means, that the measurement signal is much lower than the signal level of the vibrations. No usable flying is possible with this level. Everything has to be checked and extended tests are needed to isolate and eliminate the source of vibrations
⚠️	4:29	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
▷	4:36	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	4:36	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	4:37	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	4:37	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	4:43	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.

▷	4:43	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	4:53	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
	4:55	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	4:55	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	4:56	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
✔	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.
▷	0:00	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	0:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:02	Bank 3 Loaded	Bank 3 was loaded from the non volatile memory. This can be triggered my manual bankswitch from the userinterface as well as in flight if bank switch is programmed to the aux channel.
⚠	0:02	Init Failed, retrying...	The Init process of the sensors is very sensitive to movements of the heli or from other external disturbances, i.e. Voltage jumps and glitches. This can lead to a failed initialization. In this Case it is repeated. If this repeats itself all the time, this can point to a defective sensors.
⚠	0:04	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.
▷	0:12	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
✔	0:22	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:32	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:42	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:52	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:02	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:12	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:22	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:32	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:42	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:52	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	2:02	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	2:12	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	2:22	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	2:32	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.

✔	2:42	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	2:52	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	3:02	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	3:12	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	3:22	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	3:31	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	3:31	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	3:31	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	3:41	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	3:51	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	4:01	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	4:11	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	4:21	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	4:29	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	4:29	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	4:29	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	4:39	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	4:49	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	4:59	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	5:09	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	5:19	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	5:23	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	5:23	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	5:32	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	5:32	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	5:42	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	5:43	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	5:43	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.

▷	5:43	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	5:52	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	5:53	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	5:54	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	5:54	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	6:03	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	6:03	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	6:04	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	6:04	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✖	6:05	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
▷	6:07	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	6:08	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	6:09	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	6:09	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	6:10	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	6:11	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
✖	6:15	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
▷	6:16	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	6:16	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	6:17	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	6:17	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	6:19	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	6:19	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	6:20	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	6:21	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	6:22	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	6:22	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	6:23	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.

▷	6:23	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✖	6:24	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
✔	6:34	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	6:37	Governor ON	Governor switched to mode ON
⚠	6:40	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
✖	6:40	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.
▷	6:40	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
⚠	6:41	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
✖	6:41	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.
⚠	6:42	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
✖	6:42	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.
✖	6:42	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.
⚠	6:43	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
✖	6:43	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.
✖	6:44	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.
▷	6:44	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
✖	6:53	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
✖	7:03	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
▷	7:03	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	7:04	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	7:04	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	7:08	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	7:08	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	7:09	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	7:09	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.

✖	7:12	Extreme Vibration Level	Vibrations are extreme. That means, that the measurement signal is much lower than the signal level of the vibrations. No usable flying is possible with this level. Everything has to be checked and extended tests are needed to isolate and eliminate the source of vibrations
▷	7:20	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	7:20	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✖	7:22	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
▷	7:22	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	7:22	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	7:24	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	7:24	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	7:25	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	7:25	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
	7:28	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	7:28	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	7:29	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
✖	7:32	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
▷	7:34	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	7:34	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	7:35	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	7:35	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	7:37	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	7:37	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✖	7:38	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.
▷	7:39	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	7:39	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	7:40	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	7:40	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	7:44	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	7:44	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	7:44	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.

▷	7:49	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	7:50	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
✖	7:51	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
▷	7:56	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	7:56	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
	7:59	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	7:59	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	8:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
✖	8:10	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
✔	8:20	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	8:21	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	8:21	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	8:31	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	8:41	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	8:51	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	8:53	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	8:53	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	8:53	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	8:58	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.
✔	9:08	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	9:18	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	9:28	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	9:28	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	9:38	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	9:48	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	9:54	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	9:54	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.

✔	10:04	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	10:14	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	10:24	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	10:30	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	10:30	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	10:40	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	10:40	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	10:43	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	10:43	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	10:53	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	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.
▷	0:00	Bank 3 Loaded	Bank 3 was loaded from the non volatile memory. This can be triggered my manual bankswitch from the userinterface as well as in flight if bank switch is programmed to the aux channel.
▷	0:00	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	0:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:07	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
✔	0:17	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	0:18	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:18	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	0:28	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
	0:29	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	0:29	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:30	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:30	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	0:40	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	0:42	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	0:42	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.

▷	0:48	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
▷	0:49	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	0:49	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	0:50	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:51	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:52	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:53	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:53	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:54	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:55	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:56	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:56	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:57	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
▷	0:57	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:58	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:58	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	0:59	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:00	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:01	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:02	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:03	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:03	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:04	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:05	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:06	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:07	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.

Wed Jun 08 12:48:26 CEST 2011

▷	1:07	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:07	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:08	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:08	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:09	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:09	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:10	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:10	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:11	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:11	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:12	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	1:16	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.
⚠	1:26	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations.
▷	1:31	Governor ON	Governor switched to mode ON
✖	1:36	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
✖	1:45	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
▷	1:52	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
✖	1:55	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
▷	1:57	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	2:05	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
▷	2:14	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.
▷	2:24	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.
▷	2:33	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repedidtly very often, check the heli for vibration sources.
▷	2:40	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	2:40	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	2:42	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.

	Time	Message	Description
▷	2:42	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	2:43	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	2:43	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	2:48	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	2:48	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	2:52	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	2:52	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	2:52	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	2:53	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	2:53	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▷	2:54	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	2:54	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	3:04	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	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.
▷	0:00	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	0:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:07	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
✔	0:17	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:27	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:37	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	0:44	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:44	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	0:54	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:04	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	1:11	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	1:11	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.

✔	1:21	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:31	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	1:40	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	1:40	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	1:40	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	1:50	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	1:52	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
	1:52	Governor Sensor Signal Failure	The Sensor delivers a Signals that has too high frequency. This usually points to a defect of the wire or noise that is coupled into the sensor wire.
▷	1:52	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
✔	2:02	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	2:12	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	2:22	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	2:27	Governor ON	Governor switched to mode ON
⚠	2:32	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
✔	2:42	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	2:46	Antenna Switched	The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost.
▷	2:46	Governor ON	Governor switched to mode ON
▷	2:46	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	2:47	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
⚠	2:54	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
⚠	2:55	The Cyclic Ring is active	If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fullfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time.
✔	3:05	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	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.
▷	0:00	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	0:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.

▷	0:07	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
✔	0:17	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:27	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
▷	0:29	Governor ON	Governor switched to mode ON
✔	0:39	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:49	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:59	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:09	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:19	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:29	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:39	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:49	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:59	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	2:09	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
✔	0:00	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	Governor Mode Throttle	Governor off, the servo moves with the throttle input channel
▷	0:00	Governor Sensor no Signal	The Sensor does not deliver a usable Signal. This happens if the Rotor does not move, or if the Sensor fails during flight.
▷	0:07	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory
▷	0:14	Bank 2 Loaded	Bank 2 was loaded from the non volatile memory. This can be triggered my manual bankswitch from the userinterface as well as in flight if bank switch is programmed to the aux channel.
▷	0:15	Bank 3 Loaded	Bank 3 was loaded from the non volatile memory. This can be triggered my manual bankswitch from the userinterface as well as in flight if bank switch is programmed to the aux channel.
▷	0:23	Bank 2 Loaded	Bank 2 was loaded from the non volatile memory. This can be triggered my manual bankswitch from the userinterface as well as in flight if bank switch is programmed to the aux channel.
▷	0:26	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.
✔	0:36	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.