

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	5.2.5 04.04.2012
Date	Tue May 08 22:05:55 CEST 2012
Serial	1410028626
Prod Date	8.8.2011 10:42
Firmware	5.2
Patchlevel	4

2. Chronological List of Events

▶	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.
▶	0:17	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	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.
✖	0:19	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
▶	0:19	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	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.
▶	0:22	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	0:23	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	0:24	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	0:25	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	0:26	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	0:27	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	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
⚠	0:29	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Safe flying is possible, but the stability will be degraded. Additionally slow drifts that happen may be caused by vibrations.
▶	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 input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	0:31	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	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.
▶	0:33	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	0:34	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	0:35	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 input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	0:37	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	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 this 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 repeatedly very often, check the heli for vibration sources.
▶	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.
▶	0:41	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	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	0:43	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	0:45	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	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and this 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 repeatedly 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.
▶	0:49	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 input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	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.
▶	0:52	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 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 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 input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
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▶	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	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and this 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 repeatedly very often, check the heli for vibration sources.
▶	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 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 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 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 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 input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	1:05	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 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	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 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 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 input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	1:39	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	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.
▶	1:41	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	1:42	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	1:43	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	1:44	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	1:45	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
⚠	1:46	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. Additionally slow drifts that happen may be caused by vibrations.
▶	1:47	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.
▶	1:48	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.
⚠	1:55	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. Additionally slow drifts that happen may be caused by vibrations.
⚠	2:05	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additionally slow drifts that happen may be caused by vibrations.
✖	2:15	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
⚠	2:24	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additionally slow drifts that happen may be caused by vibrations.
▶	2:32	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	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	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. Additionally slow drifts that happen may be caused by vibrations.
▶	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.
▶	2:35	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:36	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:37	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:38	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:39	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	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.
▶	2:41	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 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 input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▲	2:44	High Vibration Level	The control loop suffers from a high vibration level, that starts to render the sensors blind. Safe flying is possible, but the stability will be degraded. Additionally slow drifts that happen may be caused by vibrations.
▶	2:44	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:45	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:46	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:47	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	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.
▶	2:49	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:50	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:51	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	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	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and this 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 repeatedly very often, check the heli for vibration sources.
▶	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 input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:55	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:56	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:57	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:58	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	2:59	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	3:00	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	3:01	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	3:02	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	3:03	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and this 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 repeatedly very often, check the heli for vibration sources.
▶	3:03	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	3:04	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	3:05	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	3:06	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.

▶	4:59	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:00	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:01	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:02	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:03	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:04	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:05	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:06	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:07	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:08	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 repeditly very often, check the heli for vibration sources.
▶	5:08	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:09	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:10	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:11	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:12	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:13	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:14	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:15	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:16	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:17	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:18	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:19	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:20	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:21	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:22	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:23	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:24	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.

▶	5:25	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:26	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:27	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repeditly very often, check the heli for vibration sources.
▶	5:27	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:28	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:29	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:30	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:31	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	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.
▶	5:33	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:34	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:35	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:36	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:37	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 repeditly very often, check the heli for vibration sources.
▶	5:37	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:38	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:39	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:40	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:41	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	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.
▶	5:42	Governor input contains glitches	The Input signal of the Governor does not switch safely. It produces some additional slopes between on and off state.
▶	5:46	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 repeditly very often, check the heli for vibration sources.
✔	5:56	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	6:06	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	6:16	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	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.
✔	0:10	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.