

## 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	<b>5.0.10 29.07.2010</b>
Date	<b>Fri Aug 27 19:28:44 EDT 2010</b>
Serial	<b>1410021411</b>
Prod Date	<b>19.5.2010 8:59</b>
Firmware	<b>5.0</b>
Patchlevel	<b>10</b>

## 2. Chronological List of Events

▶	0:16	Bank 1 Loaded	Bank 1 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.
▲	0:16	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
▲	0:18	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
▲	0:20	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
▲	0:22	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
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▶	0:23	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 repedidly very often, check the heli for vibration sources.
▲	0:24	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
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▲	0:28	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
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▶	0:33	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 repedidly very often, check the heli for vibration sources.
▶	0:34	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.
▲	0:35	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.

	0:36	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
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	0:41	Low Voltage of 3.3V Rail	The Controller is no longer able to perform reliable IO Operations. This is not necessary the reason for a complete reset, but this is a strong hint to take a close look at the power supply. This shall not happen in flight. If you see this error, the problem has to be fixed before the next flight.
	0:42	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
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	0:48	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	0:50	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	0:51	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	0:52	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
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	0:55	RC Input of Channel 4 out of Range	Channel 4 actively recived a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.

	0:57	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	0:58	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	0:59	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	1:01	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	1:02	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	1:02	RC Input of Channel 4 out of Range	Channel 4 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	1:02	RC Input of Channel 6 out of Range	Channel 6 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	1:02	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 repedidly very often, check the heli for vibration sources.
	1:03	RC Input of Channel 2 out of Range	Channel 2 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	1:03	RC Input of Channel 3 out of Range	Channel 3 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	1:03	RC Input of Channel 6 out of Range	Channel 6 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	1:05	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	1:06	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	1:07	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	1:08	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	1:09	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	1:10	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.









	3:26	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:26	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 repeditly very often, check the heli for vibration sources.
	3:30	RC Input of Channel 2 out of Range	Channel 2 actively recieved a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:30	RC Input of Channel 3 out of Range	Channel 3 actively recieved a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
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	3:32	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
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	3:45	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
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	3:45	RC Input of Channel 4 out of Range	Channel 4 actively recieved a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:45	RC Input of Channel 6 out of Range	Channel 6 actively recieved a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
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	3:52	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
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	3:56	RC Input of Channel 3 out of Range	Channel 3 actively recieved a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.

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✘	4:01	RC Input of Channel 2 out of Range	Channel 2 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	4:01	RC Input of Channel 3 out of Range	Channel 3 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
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⚠	4:13	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	4:14	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	4:21	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
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⚠	4:23	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	4:24	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	4:30	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	4:36	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	4:43	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	4:48	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.





	6:25	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	6:28	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	6:28	RC Input of Channel 2 out of Range	Channel 2 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	6:28	RC Input of Channel 3 out of Range	Channel 3 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	6:28	RC Input of Channel 6 out of Range	Channel 6 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	6:33	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	6:34	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	6:38	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	6:39	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	6:39	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 repeditly very often, check the heli for vibration sources.
	6:40	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	6:41	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	6:46	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	6:47	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	6:49	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	6:49	RC Input of Channel 2 out of Range	Channel 2 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	6:49	RC Input of Channel 3 out of Range	Channel 3 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.

✘	6:49	RC Input of Channel 4 out of Range	Channel 4 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
⚠	6:50	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	6:51	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	6:52	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	6:53	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	6:54	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	6:56	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	6:57	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
▶	6:58	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 repeditly very often, check the heli for vibration sources.
⚠	7:00	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	7:01	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
✔	7:11	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.
✔	7:21	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:00	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.
⚠	0:02	Init Failed, retrying...	The Init process of the sensors is very sensitive to movements of the heli or from other external disturbances, i.e. Voltage jumps and glitches. This can lead to a failed initialization. In this Case it is repeated. If this repeats itself all the time, this can point to a defective sensors.
▶	0:07	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.

✔	0:47	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:57	Good Health Message (10sec)	This Message 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	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:17	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:27	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:37	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.
✔	1:47	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	1:57	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
⚠	2:07	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:09	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:10	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
✘	2:10	RC Input of Channel 2 out of Range	Channel 2 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	2:10	RC Input of Channel 3 out of Range	Channel 3 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	2:10	RC Input of Channel 4 out of Range	Channel 4 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	2:10	RC Input of Channel 6 out of Range	Channel 6 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
⚠	2:11	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
✘	2:12	RC Input of Channel 2 out of Range	Channel 2 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	2:12	RC Input of Channel 3 out of Range	Channel 3 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	2:12	RC Input of Channel 4 out of Range	Channel 4 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	2:12	RC Input of Channel 5 out of Range	Channel 5 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.

✘	2:12	RC Input of Channel 6 out of Range	Channel 6 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
⚠	2:13	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:16	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:18	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:19	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:22	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:24	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
▶	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 repedidly very often, check the heli for vibration sources.
⚠	2:25	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
✘	2:25	RC Input of Channel 2 out of Range	Channel 2 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	2:25	RC Input of Channel 3 out of Range	Channel 3 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	2:25	RC Input of Channel 4 out of Range	Channel 4 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	2:25	RC Input of Channel 5 out of Range	Channel 5 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
⚠	2:27	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:28	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:29	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:30	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.

✘	2:30	RC Input of Channel 4 out of Range	Channel 4 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	2:30	RC Input of Channel 6 out of Range	Channel 6 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
⚠	2:31	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:32	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:34	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:35	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:36	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:38	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:39	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:40	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:45	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:47	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:49	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:50	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
⚠	2:51	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
▶	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 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.
⚠	2:54	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.

	2:55	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	2:56	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:01	RC Input of Channel 2 out of Range	Channel 2 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:01	RC Input of Channel 3 out of Range	Channel 3 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:01	RC Input of Channel 5 out of Range	Channel 5 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:01	RC Input of Channel 6 out of Range	Channel 6 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:02	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:05	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:07	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:09	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:11	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:14	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:18	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:19	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:22	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 repeditly very often, check the heli for vibration sources.
	3:23	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:24	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.

	3:26	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:28	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:28	RC Input of Channel 2 out of Range	Channel 2 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:28	RC Input of Channel 3 out of Range	Channel 3 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:28	RC Input of Channel 6 out of Range	Channel 6 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:31	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:31	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 repedidly very often, check the heli for vibration sources.
	3:32	RC Input of Channel 2 out of Range	Channel 2 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:32	RC Input of Channel 3 out of Range	Channel 3 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:32	RC Input of Channel 4 out of Range	Channel 4 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:32	RC Input of Channel 6 out of Range	Channel 6 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:35	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:37	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:38	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:39	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.
	3:39	RC Input of Channel 6 out of Range	Channel 6 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
	3:42	Sensor Data Checksum Error	Each Data packed from the sensor carries a checksum. If this checksum does not match with the calculated checksum, this error is thrown. Since packets are repeated very fast, this is not a complete control lost. The sensor data is going to hold until a valid checksum is calculated. This error pints to some wiring problems of the sensor. It also may occur if static discharges hit the sensor or the connection to the sensor.



✓	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
✗	0:00	Low Voltage of 3.3V Rail	The Controller is no longer able to perform reliable IO Operations. This is not necessary the reason for a complete reset, but this is a strong hint to take a close look at the power supply. This shall not happen in flight. If you see this error, the problem has to be fixed before the next flight.
✓	0:00	Reset Reason: Power On	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds
▶	0:00	Bank 0 Loaded	Bank 0 was loaded from the non volatile memory. This can be triggered my manual backswitch from the userinterface as well as in flight if bank switch is programmed to the aux channel. On Startup the Bank 0 is loaded by default.
✓	0:10	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✓	0:20	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.