**Appendix 4 – Master Clock Spectracom SNMP Trap List**

| **SNMP Trap name** | **Corresponding OID Number** | **Indicates** | **Associated “Integer” values reported in each trap** |
| --- | --- | --- | --- |
| ssEvtV2TimeSync | 1.3.6.1.4.1.18837.3.2.3.0.1 | The unit has either entered or left the synchronized state. | Reports either of the following: “sync (1)” if unit currently in Sync “nosync (2)” if unit not currently in Sync |
| ssEvtV2Holdover | 1.3.6.1.4.1.18837.3.2.3.0.2 | The unit has either entered or left the holdover state. | Reports either of the following: “inHoldover (1)” if unit currently in Holdover “notInHoldover (2) ” If unit not currently in Holdover mode |
| ssEvtV2FrequencyError | 1.3.6.1.4.1.18837.3.2.3.0.3 | The frequency output error exceeds specifications. | Reports the currently measured Fractional Frequency Error (as also indicated in the Oscillator log) (can be a positive or negative value) |
| ssEvtV2FrequencyOK | 1.3.6.1.4.1.18837.3.2.3.0.4 | The frequency output error meets specifications. | Reports the currently measured Fractional Frequency Error (as also indicated in the Oscillator log) (can be a positive or negative value) |
| ssEvtV2UserMinorAlarm | 1.3.6.1.4.1.18837.3.2.3.0.5 | The user-programmable minor alarm timeout has been asserted. | Reports the number of satellites currently being tracked by the receiver |
| ssEvtV2UserMinorClear | 1.3.6.1.4.1.18837.3.2.3.0.6 | The user-programmable minor alarm timeout has been reset. | Reports the number of satellites currently being tracked by the receiver |
| ssEvtV2UserMajorAlarm | 1.3.6.1.4.1.18837.3.2.3.0.7 | The user-programmable major alarm timeout has been asserted. | Reports the number of satellites currently being tracked by the receiver |
| ssEvtV2UserMajorClear | 1.3.6.1.4.1.18837.3.2.3.0.8 | The user-programmable major alarm timeout has been reset. | Reports the number of satellites currently being tracked by the receiver |
| ssEvtV2GpsAntenna | 1.3.6.1.4.1.18837.3.2.3.0.9 | The GPS antenna state has changed (antenna is disconnected, short or open occurring in the antenna cable) | Will report one of the following four values depending on the current antenna cable state Ok (1) (good connection to antenna) Short (2) (short detected in cable) Open (3) (open detected in cable) Unknown (4) (receiver may have been damaged by a power surge) |
| ssEvtV2MinorAlarm | 1.3.6.1.4.1.18837.3.2.3.0.10 | The system minor alarm has changed state. | Will report one of the following two values Pending (1) (Minor alarm is currently active) Clear (2) (Minor alarm is currently not active) |
| ssEvtV2MajorAlarm | 1.3.6.1.4.1.18837.3.2.3.0.11 | The system major alarm has changed state. | Will report one of the following two values Pending (1) if Major alarm is currently active Clear (2) if Major alarm is currently not active |
| ssEvtV2RefChange | 1.3.6.1.4.1.18837.3.2.3.0.12 | The selected time reference has changed. | Reports the currently selected Time and 1PPS references (such as GPS , IRIG, NTP, etc) |
| ssEvtV21ppsError | 1.3.6.1.4.1.18837.3.2.3.0.13 | The 1PPS output error exceeds specifications. | Reports the currently selected Time and 1PPS references (such as GPS , IRIG, NTP, etc) |
| ssEvtV21ppsOK | 1.3.6.1.4.1.18837.3.2.3.0.14 | The 1PPS output error meets specifications. | Reports the currently selected Time and 1PPS references (such as GPS , IRIG, NTP, etc) |
| ssEvtV2HWError | 1.3.6.1.4.1.18837.3.2.3.0.15 | The timing system hardware is impaired. | Reports the currently selected Time and 1PPS references (such as GPS , IRIG, NTP, etc) |
| ssEvtV2OscillatorAlarm | 1.3.6.1.4.1.18837.3.2.3.0.16 | The oscillator is requires maintenance. This typically indicates that the oscillator is within 10% of the edge its adjustable range (TCXO and OCXO) or the oscillator module lamp needs service (Rubidium). | Reports the currently measured Fractional Frequency Error (can be a positive or negative value) |
| ssEvtV2OscillatorOK | 1.3.6.1.4.1.18837.3.2.3.0.17 | The oscillator no longer requires maintenance. This typically indicates that the oscillator adjustment value has changed and is now greater than 10% from the edge of its adjustable range. | Reports the currently measured Fractional Frequency Error(can be a positive or negative value) |
| ssEvtV2Reboot | 1.3.6.1.4.1.18837.3.2.3.0.18 | The system has rebooted. | No integer values reported |