

ONS 15801 Board Alarms

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Introduction

This document provides a list of board alarms for the Cisco Photonics Local Terminal (PLT). It is organized by board, and provides Cisco PLT alarm names, alarm descriptions, and information on whether the situation causing the alarm is service-affecting. It also states whether the alarm is analog or digital (A/D).

This document covers most major boards in Cisco ONS 15801. Some boards have the same alarms so these boards are grouped together in the same list.

Prerequisites

Requirements

There are no specific prerequisites for this document.

Components Used

This document is not restricted to specific software and hardware versions.

Conventions

For more information on document conventions, see the [Cisco Technical Tips Conventions](#).

Blue Band Amplifier (BBA)

Cisco PLT Alarm Name	Alarm Description	Service Affecting

LasTemp1A*	Pump Laser 1 Operating Temperature High Temp: Laser Operating Temperature crossed the High threshold Low Temp: Laser Operating Temperature crossed the Low threshold.	NO NO
LasTemp2A	Pump Laser 2 Operating Temperature High Temp: Laser Operating Temperature crossed the High threshold Low Temp: Laser Operating Temperature crossed the Low threshold.	NO NO
LasCurr1A	Pump Laser 1 Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold Low: Laser Bias crossed the Degrade Low threshold.	NO NO NO

LasCurr2A	Pump Laser 2 Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold Low: Laser Bias crossed the Degrade Low threshold.	NO NO NO
InpPwr1A	Optical Input Power High: Optical Input Power crossed the Degrade High threshold Power Deg: Optical Input Power crossed the Degrade Low threshold Power Fail: Optical Input Power crossed the Fail Low threshold.	NO NO YES
OutPwr1A	Optical Output Power High: Optical Output Power crossed the Degrade High threshold Power Deg: Optical Output Power crossed the Degrade Low threshold Power Fail: Optical Output Power crossed the Fail Low threshold.	NO NO YES

LasPwr1A	Pump Laser 1 Operating Power Power Fail: Laser Power crossed the Fail Low threshold Power Deg: Laser Power crossed the Degrade Low threshold High: Laser Power crossed the Degrade High threshold.	YES NO NO
LasPwr2A	Pump Laser 2 Operating Power Power Fail: Laser Power crossed the Fail Low threshold Power Deg: Laser Power crossed the Degrade Low threshold High: Laser Power crossed the Degrade High threshold.	YES NO NO
Las Stat 1D	Laser Operating Status Off: The pump laser has been shut down.	YES

Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or Major.	NO

Led Yellow 1D	Card yellow led status Severity Minor.	NO
Led White 1D	Card yellow ind led status Severity warning.	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	YES
Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO
Rel. LasOffD	Monitor of the optical protection function (laser shutdown) Backplane OP-I/O connector.	YES
Site 1D	Site type identification Status: Line / Terminal.	NO

External Orderwire Interface (EOI)

Cisco PLT Alarm Name	Alarm Description	Service Affecting

IsoPowMon1D	Circuit Packet Power Supply StatusOff: Power Supply Voltage Low.	NO
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Input Output Card (IOC)

Cisco PLT Alarm Name	Alarm Description	Service Affecting
GenAnalIn1-8A	Generic Analog Input (8) Backplane A-IN connector.	NA
GenDigIn1-32	Generic Digital Input (32) Backplane D-IN connector.	NA
GenDigIn1-20	Generic Digital Output (32) Backplane D-OUT connector.	NA

Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or major.	NO

Led Yellow 1D	Card yellow led status Severity Minor	NO
Led White 1D	Card yellow ind led status Severity warning	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	NO
Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO

Line Service Modem (LSM-W)

Cisco PLT Alarm Name	Alarm Description	Service Affecting
ELasTemp1A	East Direction Laser Operating Temperature East Low: Laser Operating Temperature crossed the Low threshold Temp. East High: Laser Operating Temperature crossed the High threshold Temp.	NO NO

WlasTemp2A	West Direction Laser Operating Temperature West Low: Laser Operating Temperature crossed the Low threshold Temp. West High: Laser Operating Temperature crossed the High threshold Temp.	NO NO
ELasCurr1A	East Direction Laser Operating bias East Curr.: Laser Bias crossed the High threshold High East Curr.: Laser Bias crossed the Low threshold Low.	NO NO
WLasCurr2A	West Direction Laser Operating bias West Curr.: Laser Bias crossed the High threshold High West Curr.: Laser Bias crossed the Low threshold Low.	NO NO

ELasOutPwr1A	Optical Output power in the East direction East Power: Laser Output Power crossed the Low threshold low East Power: Laser Output Power crossed the High thresholdhigh.	NO NO
WlasOutPwr2A	Optical Output power in the West direction West Power: Laser Output Power crossed the Low threshold low West Power: Laser Output Power crossed the High thresholdhigh.	NO NO

Cisco PLT Alarm Name	Alarm Description	Service Affecting
ELosRx 1D	Loss of Signal on East Receive side On / Off: Optical Supervisory Channel Loss of Optical Signal.	NO

ELfaRx 1D	Loss of Frame on East Receive side On / Off: Optical Supervisory Channel Loss of Frame.	NO
ERaiRx 1D	Recevid an East Remote Alarm Indication On: OSC RAI.	NO
EAuxPRx 1D	Received an East Auxiliary Pattern On: Forced to Receive the Auxiliary Pattern (Test purpose Only).	NO
EIdle Rx 1D	Loss of Modulation on East Receive side On / Off: Optical Supervisory Channel Loss of Modulation.	NO
WLosRx 2D	Loss of Signal on West Receive side On / Off: Optical Supervisory Channel Loss of Optical Signa.l	NO
WLfaRx 2D	Loss of Frame on West Receive side On / Off: Optical Supervisory Channel Loss of Frame.	NO

WRaiRx 2D	Recevid a West Remote Alarm Indication On: OSC RAI.	NO
WAuxPRx 2D	Received a West Auxiliary Pattern On: Forced to Receive the Auxiliary Pattern(Test purpose Only).	NO
WIdle Rx 2D	Loss of Modulation on West Receive side On / Off: Optical Supervisory Channel Loss of Modulation.	NO
DPR Fail 1D	Dual port RAM Failure On: DPRAM failure.	NO
Cfg Fail 1D	Internal Configuration Failure On: Internal Configuration Failure detected.	NO

Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or Major.	NO

Led Yellow 2D	Card yellow led status Severity Minor.	NO
Led White 3D	Card yellow ind led status Severity warning.	NO

Additional Digital Settings

The information in this section was forced for test purposes only.

Cisco PLT Variable Name	Variable Description	Service Affecting
EMst 1D	East Transmission Master Status On: Forced to Transmit the Master Clock.	NO
WMst 2D	West Transmission Master Status On: Forced to Transmit the Master Clock.	NO
ERaiTx1D	Received an East Remote Alarm Indication On: OSC RAI.	NO
WRaiTx2D	Received a West Remote Alarm Indication On: OSC RAI.	NO

EAuxPTx 1D	East Transmission of Auxiliary Pattern On: Forced to Transmit the Auxiliary Pattern.	NO
WAuxPTx 2D	West Transmission of Auxiliary Pattern On: Forced to Transmit the Auxiliary Pattern.	NO

Optical Add Drop Multiplexer (OADM)

Cisco PLT Alarm Name	Alarm Description	Service Affecting
LasTemp 1	BGF1 Operating Temperature High Temp: BGF Operating Temperature crossed the Degrade High threshold Low Temp: BGF Operating Temperature crossed the Degrade Low threshold.	NO NO

LasTemp 2	BGF2 Operating Temperature High Temp: BGF Operating Temperature crossed the Degrade High threshold Low Temp: BGF Operating Temperature crossed the Degrade Low threshold.	NO NO
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Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or Major.	NO
Led Yellow 1D	Card yellow led status Severity Minor.	NO
Led White 1D	Card yellow ind led status Severity warning.	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	YES
Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO

Rel. LasOffD	Monitor of the optical protection function (laser shutdown) Backplane OP-I/O connector.	YES
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Pre-Line amplifier (PRE-L)

Cisco PLT Alarm Name	Alarm Description	Service Affecting
LasTemp1A	Pump Laser 1 Operating Temperature High Temp: Laser Operating Temperature crossed the High threshold Low Temp: Laser Operating Temperature crossed the Low threshold.	NO NO
LasCurr1A	Pump Laser 1 Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold Low: Laser Bias crossed the Degrade Low threshold.	NO NO NO

InpPwr1A	Optical Input Power Power Deg: Optical Input Power crossed the Degrade Low threshold Power Fail: Optical Input Power crossed the Fail Low threshold.	NO YES
OutPwrRed1A	Optical Output Power (Red Band) Power Fail: Optical Output Power crossed the Fail Low threshold Power Deg: Optical Output Power crossed the Degrade Low threshold.	YES NO
OutPwrBlue1A	Optical Output Power (Blue Band) Power Fail: Optical Output Power crossed the Fail Low threshold Power Deg: Optical Output Power crossed the Degrade Low threshold.	YES NO

LasPwr 1A	Pump Laser 1 Operating Power Power Fail: Laser Power crossed the Fail Low threshold Service Affecting Power Deg: Laser Power crossed the Degrade Low threshold.	YES NO
Las Stat 1D	Laser Operating Status Off: The pump laser has been shut down.	YES

Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or Major.	NO
Led Yellow 1D	Card yellow led status Severity Minor.	NO
Led White 1D	Card yellow ind led status Severity warning.	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	YES

Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO
Rel. LasOffD	Monitor of the optical protection function (laser shutdown) Backplane OP-I/O connector.	YES

Red Band Amplifier (RBA)

Cisco PLT Alarm Name	Alarm Description	Service Affecting
LasTemp1A	Pump Laser 1 Operating Temperature High Temp: Laser Operating Temperature crossed the High threshold Low Temp: Laser Operating Temperature crossed the Low threshold.	NO NO

LasTemp2A	Pump Laser 2 Operating Temperature High Temp: Laser Operating Temperature crossed the High threshold Low Temp: Laser Operating Temperature crossed the Low threshold.	NO NO
LasCurr1A	Pump Laser 1 Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold Low: Laser Bias crossed the Degrade Low threshold.	NO NO NO
LasCurr2A	Pump Laser 2 Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold Low: Laser Bias crossed the Degrade Low threshold.	NO NO NO

InpPwr1A	<p>Optical Input Power High: Optical Input Power crossed the Degrade High threshold Power Deg: Optical Input Power crossed the Degrade Low threshold Power Fail: Optical Input Power crossed the Fail Low threshold.</p>	<p>NO NO YES</p>
OutPwr1A	<p>Optical Output Power High: Optical Output Power crossed the Degrade High threshold Power Deg: Optical Output Power crossed the Degrade Low threshold Power Fail: Optical Output Power crossed the Fail Low threshold.</p>	<p>NO NO YES</p>
LasPwr1A	<p>Pump Laser 1 Operating Power Power Fail: Laser Power crossed the Fail Low threshold Power Deg: Laser Power crossed the Degrade Low threshold High: Laser Power crossed the Degrade High threshold.</p>	<p>YES NO NO</p>

LasPwr2A	Pump Laser 2 Operating Power Power Fail: Laser Power crossed the Fail Low threshold Power Deg: Laser Power crossed the Degrade Low threshold High: Laser Power crossed the Degrade High threshold.	YES NO NO
Las Stat 1D	Laser Operating Status Off: The pump laser has been shut down.	YES

Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or Major.	NO
Led Yellow 1D	Card yellow led status Severity Minor.	NO
Led White 1D	Card yellow ind led status Severity warning.	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	YES

Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO
Rel. LasOffD	Monitor of the optical protection function (laser shutdown) Backplane OP-I/O connector.	YES
Site 1D	Site type identification Status: Line / Terminal.	NO

Receive Transponder 2.5 Gbps (RXT-DM-M, RXT-DM-N)

Cisco PLT Alarm Name	Alarm Description	Service Affecting
LasCur 1A	Transponder Laser Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold.	NO NO
InpPwr 1A	Optical Input Power Power low: Optical Input Power crossed the Fail Low threshold Power high: Optical Input Power crossed the Fail High threshold.	NO NO

OutPwr 1A	Optical Output Power High: Optical Output Power crossed the Degrade High threshold Low: Optical Output Power crossed the Degrade Low threshold.	NO NO
LasPwr 1A	Transponder Laser Operating Power Low: Laser Power crossed the Degrade Low threshold High: Laser Power crossed the Degrade High threshold.	NO NO
modin stat 1D	Loss of Input Signal Modulation On: Loss of Input Signal Modulation.	YES
los status 1	Loss of Input Electrical Signal On: Loss of Electrical Signal.	YES
ipoin stat 1	Optical Safety Input Signal On: Optical Safety Input Signal Active.	NO
ipoin stat 1	Optical Safety Output Signal On: Optical Safety Output Signal Active.	NO

ipoin stat 1	External Safety Control On: External Optical Safety Control Active.	YES
pinlowstat 1	Loss of Optical Input Power On: Loss of Optical Input Power.	YES

Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or Major.	NO
Led Yellow 1D	Card yellow led status Severity Minor.	NO
Led White 1D	Card yellow ind led status Severity warning.	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	YES
Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO

Rel. LasOffD	Monitor of the optical protection function (laser shutdown) Backplane OP-I/O connector.	YES
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Transmit Power Amplifier (TPA) - Blue Band

Cisco PLT Alarm Name	Alarm Description	Service Affecting
LasTemp1A	Pump Laser 1 Operating Temperature High Temp: Laser Operating Temperature crossed the High threshold Low Temp: Laser Operating Temperature crossed the Low threshold.	NO NO
LasTemp2A	Pump Laser 2 Operating Temperature High Temp: Laser Operating Temperature crossed the High threshold Low Temp: Laser Operating Temperature crossed the Low threshold.	NO NO

LasCurr1A	Pump Laser 1 Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold Low: Laser Bias crossed the Degrade Low threshold.	NO NO NO
LasCurr2A	Pump Laser 2 Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold Low: Laser Bias crossed the Degrade Low threshold.	NO NO NO
InpPwr1A	Optical Input Power High: Optical Input Power crossed the Degrade High threshold Power Deg: Optical Input Power crossed the Degrade Low threshold Power Fail: Optical Input Power crossed the Fail Low threshold.	NO NO YES

OutPwr1A	Optical Output Power High: Optical Output Power crossed the Degrade High threshold Power Deg: Optical Output Power crossed the Degrade Low threshold Power Fail: Optical Output Power crossed the Fail Low threshold.	NO NO YES
LasPwr1A	Pump Laser 1 Operating Power Fail: Laser Power crossed the Fail Low threshold Power Deg: Laser Power crossed the Degrade Low threshold High: Laser Power crossed the Degrade High threshold.	YES NO NO
LasPwr2A	Pump Laser 2 Operating Power Fail: Laser Power crossed the Fail Low threshold Power Deg: Laser Power crossed the Degrade Low threshold High: Laser Power crossed the Degrade High threshold.	YES NO NO

Las Stat 1D	Laser Operating Status Off: The pump laser has been shut down.	YES
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Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or Major.	NO
Led Yellow 1D	Card yellow led status Severity Minor.	NO
Led White 1D	Card yellow ind led status Severity warning.	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	YES
Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO
Rel. LasOffD	Monitor of the optical protection function (laser shutdown) Backplane OP-I/O connector.	YES

Site 1D	Site type identification Status: Line / Terminal.	NO
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Transmit Power Amplifier (TPA) - Red Band

Cisco PLT Alarm Name	Alarm Description	Service Affecting
LasTemp1A	Pump Laser 1 Operating Temperature High Temp: Laser Operating Temperature crossed the High threshold Low Temp: Laser Operating Temperature crossed the Low threshold.	NO NO
LasTemp2A	Pump Laser 2 Operating Temperature High Temp: Laser Operating Temperature crossed the High threshold Low Temp: Laser Operating Temperature crossed the Low threshold.	NO NO

LasCurr1A	Pump Laser 1 Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold Low: Laser Bias crossed the Degrade Low threshold.	NO NO NO
LasCurr2A	Pump Laser 2 Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold Low: Laser Bias crossed the Degrade Low threshold.	NO NO NO
InpPwr1A	Optical Input Power High: Optical Input Power crossed the Degrade High threshold Power Deg: Optical Input Power crossed the Degrade Low threshold Power Fail: Optical Input Power crossed the Fail Low threshold.	NO NO YES

OutPwr1A	Optical Output Power High: Optical Output Power crossed the Degrad High threshold Power Deg: Optical Output Power crossed the Degrad Low threshold Power Fail: Optical Output Power crossed the Fail Low threshold.	NO NO YES
LasPwr1A	Pump Laser 1 Operating Power Fail: Laser Power crossed the Fail Low threshold Power Deg: Laser Power crossed the Degrad Low threshold High: Laser Power crossed the Degrad High threshold.	YES NO NO
LasPwr2A	Pump Laser 2 Operating Power Fail: Laser Power crossed the Fail Low threshold Power Deg: Laser Power crossed the Degrad Low threshold High: Laser Power crossed the Degrad High threshold.	YES NO NO

Las Stat 1D	Laser Operating Status Off: The pump laser has been shut down.	YES
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Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or Major.	NO
Led Yellow 1D	Card yellow led status Severity Minor.	NO
Led White 1D	Card yellow ind led status Severity warning.	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	YES
Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO
Rel. LasOffD	Monitor of the optical protection function (laser shutdown) Backplane OP-I/O connector.	YES

Site 1D	Site type identification Status: Line / Terminal.	NO
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Wavelength Converter Module 2.5 & 10 Gbps (WCM-EM-M)

Cisco PLT Alarm Name	Alarm Description	Service Affecting
LasTemp 1A	Transponder Laser Operating Temperature Low Temp: Laser Operating Temperature crossed the Fail Low threshold High Temp: Laser Operating Temperature Temperature crossed the Fail High threshold.	YES YES
LasCur 1A	Transponder Laser Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold.	NO NO
InpPwr 1A	Optical Input Power Power low: Optical Input Power crossed the Fail Low threshold Power high: Optical Input Power crossed the Fail High threshold.	NO NO

OutPwr 1A	Optical Output Power High: Optical Output Power crossed the Degrade High threshold Optical Output Power Low: Optical Output Power crossed the Degrade Low threshold.	NO NO
LasPwr 1A	Transponder Laser Operating Power Low: Laser Power crossed the Degrade Low threshold Transponder Laser Operating Power High: Laser Power crossed the Degrade High threshold.	NO NO
modin stat 1D	Loss of Input Signal Modulation On: Loss of Input Signal Modulation. Note: Not available on 10Gbps cards.	YES
modout stat 1D	Output Modulation Failure On: Loss of Output Modulation.	YES

los status 1	Loss of Input Electrical Signal On: Loss of Electrical Signal. Note: Not available on 10Gbps cards without B1 Mon.	YES
ipoin stat 1	Optical Safety Input Signal On: Optical Safety Input Signal Active.	NO
ipout stat 1	Optical Safety Output Signal On: Optical Safety Output Signal Active.	NO
opin stat 1	External Safety Control On: External Optical Safety Control Active.	NO
pinlowstat 1	Loss of Optical Input Power On: Loss of Optical Input Power.	YES

Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or Major.	NO

Led Yellow 1D	Card yellow led status Severity Minor.	NO
Led White 1D	Card yellow ind led status Severity warning.	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	YES
Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO
Rel. LasOffD	Monitor of the optical protection function (laser shutdown) Backplane OP-I/O connector.	YES

Add Drop Amplifier (ADA)

Cisco PLT Alarm Name	Alarm Description	Service Affecting

LasTemp 1A	Pump Laser 1 Operating Temperature High Temp: Laser Operating Temperature crossed the High threshold Low Temp: Laser Operating Temperature crossed the Low threshold.	NO NO
LasTemp 2A	Pump Laser 2 Operating Temperature High Temp: Laser Operating Temperature crossed the High threshold Low Temp: Laser Operating Temperature crossed the Low threshold.	NO NO
LasCurr 1A	Pump Laser 1 Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold Low: Laser Bias crossed the Degrade Low threshold.	NO NO NO

LasCurr 2A	Pump Laser 2 Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold Low: Laser Bias crossed the Degrade Low threshold.	NO NO NO
InpPwr 1A	Optical Input Power 1 High: Optical Input Power crossed the Degrade High threshold Power Deg: Optical Input Power crossed the Degrade Low threshold Power Fail: Optical Input Power crossed the Fail Low threshold.	NO NO YES
InpPwr 2A	Optical Input Power 2 High: Optical Input Power crossed the Degrade High threshold Power Deg: Optical Input Power crossed the Degrade Low threshold Power Fail: Optical Input Power crossed the Fail Low threshold.	NO NO YES

OutPwr 1A	<p>Optical Output Power High: Optical Output Power crossed the Degrade High threshold Power Deg: Optical Output Power crossed the Degrade Low threshold Power Fail: Optical Output Power crossed the Fail Low threshold.</p>	<p>NO NO YES</p>
OutPwr 2A	<p>Optical Output Power 2 High: Optical Output Power crossed the Degrade High threshold Power Deg: Optical Output Power crossed the Degrade Low threshold Power Fail: Optical Output Power crossed the Fail Low threshold.</p>	<p>NO NO YES</p>
LasPwr 1A	<p>Pump Laser 1 Operating Power Power Fail: Laser Power crossed the Fail Low threshold Power Deg: Laser Power crossed the Degrade Low threshold.</p>	<p>YES NO</p>

Rel. LasOffD	Monitor of the optical protection function (laser shutdown) Backplane OP-I/O connector.	YES
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24WD-R Module

Cisco PLT Alarm Name	Alarm Description	Service Affecting
AwgTemp 1A	AWG Operating Temperature Low Temp: AWG Operating Temperature crossed the Fail Low threshold	YES
	LMid Temp: AWG Operating Temperature crossed the Degrade Low threshold	NO
	HMid Temp: AWG Operating Temperature crossed the Degrade High threshold	NO
	High Temp: AWG Operating Temperature crossed the Fail High threshold.	YES

Status Awg 1A	AWG Operating Temperature Control Status AWG off: AWG Operating Temperature has been shut down.	YES
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Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or Major.	NO
Led Yellow 1D	Card yellow led status Severity Minor.	NO
Led White 1D	Card yellow ind led status Severity warning.	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	YES
Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO

8WD-B Module

Cisco PLT Alarm Name	Alarm Description	Service Affecting
AwgTemp 1A	<p>AWG Operating Temperature Low Temp: AWG Operating Temperature crossed the Fail Low threshold LMid Temp: AWG Operating Temperature crossed the Degrade Low threshold HMid Temp: AWG Operating Temperature crossed the Degrade High threshold High Temp: AWG Operating Temperature crossed the Fail High threshold.</p>	<p>YES</p> <p>NO</p> <p>NO</p> <p>YES</p>
Status Awg 1A	<p>AWG Operating Temperature Control Status AWG off: AWG Operating Temperature has been shut down.</p>	YES

Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or Major.	NO

Led Yellow 1D	Card yellow led status Severity Minor.	NO
Led White 1D	Card yellow ind led status Severity warning.	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	YES
Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO

SCF Module

Cisco PLT Alarm Name	Alarm Description	Service Affecting
FanCurrent 1A	Fan 1 Operating Current Current Hi: Fan Operating Current crossed the High threshold Current Lo: Fan Operating Current crossed the Low threshold.	NO NO

FanCurrent 2A	Fan 2 Operating Current Current Hi: Fan Operating Current crossed the High threshold Current Lo: Fan Operating Current crossed the Low threshold.	NO NO
FanCurrent 3A	Fan 3 Operating Current Current Hi: Fan Operating Current crossed the High threshold Current Lo: Fan Operating Current crossed the Low threshold.	NO NO
FanCurrent 4A	Fan 4 Operating Current Current Hi: Fan Operating Current crossed the High threshold Current Lo: Fan Operating Current crossed the Low threshold.	NO NO

DC Conv 1A	Fan Power Supply Voltage Power DC Hi: Fan Power Supply Voltage crossed the High threshold Power DC Lo: Fan Power Supply Voltage crossed the Low threshold.	NO NO
Bat Ctrl 1A	Back-plane Power Supply Voltage Level Battery Hi: Back-plane Power Supply Voltage crossed the High threshold Battery Lo: Back-plane Power Supply Voltage crossed the Low threshold.	NO NO
Bat status 1D	Battery A Status Bat low Battery Voltage Level Low.	NO
Bat status 2D	Battery B Status Bat low Battery Voltage Level Low.	NO

Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or Major.	NO

Led Yellow 1D	Card yellow led status Severity Minor.	NO
Led White 1D	Card yellow ind led status Severity warning.	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	YES
Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO

Additional Monitored BAY Digital Value

Led Fan 1	Fan 1 Led Status Severity Minor.	NO
Led Fan 2	Fan 2 Led Status Severity Minor.	NO
Led Fan 3	Fan 3 Led Status Severity Minor.	NO
Led Fan 4	Fan 4 Led Status Severity Minor.	NO
Led B-Crit 1	BAY Critical led status Severity Critical.	NO
Led B-Maj 1	BAY Major led status Severity Major.	NO
Led B-Min 1	BAY Minor led status Severity Minor.	NO

Led B-Pow 1	BAY Power led status Severity Critical/Major.	NO
Rel B-Crit 1	Bay Critical alarm Relay contact status Backplane RM connector..	YES
Rel B-Maj 1	Bay Major alarm Relay contact status Backplane RM connector.	YES
Rel B-Min 1	Bay Minor alarm Relay contact status Backplane RM connector.	NO
Rel B-Pow 1	Bay Power alarm Relay contact status Backplane RM connector.	NO

LEM & WCM - 10Gbps Module

Cisco PLT Alarm Name	Alarm Description	Service Affecting
LasTemp 1A	Transponder Laser Operating Temperature Low Temp: Laser Operating Temperature crossed the Fail Low threshold High Temp: Laser Operating Temperature crossed the Fail High threshold.	YES YES

LasCur 1A	Transponder Laser Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold.	NO NO
InpPwr 1A	Optical Input Power Power low: Optical Input Power crossed the Fail Low threshold Power high: Optical Input Power crossed the Fail High threshold.	NO NO
OutPwr 1A	Optical Output Power High: Optical Output Power crossed the Degrade High threshold Low: Optical Output Power crossed the Degrade Low threshold.	NO NO
LasPwr 1A	Transponder Laser Operating Power Power Low: Laser Power crossed the Degrade Low threshold High: Laser Power crossed the Degrade High threshold.	NO NO
modout stat 1D	Output Modulation Failure On: Loss of Output Modulation.	YES

los status 1	Loss of Input Electrical Signal On: Loss of Electrical Signal. Note: Not available on 10Gbps cards without B1 Mon.	YES
ipoin stat 1	Optical Safety Input Signal On: Optical Safety Input Signal Active.	NO
ipout stat 1	Optical Safety Output Signal On: Optical Safety Output Signal Active.	NO
opin stat 1	External Safety Control On: External Optical Safety Control Active.	YES
pinlowstat 1	Loss of Optical Input Power On: Loss of Optical Input Power.	YES

Additional Monitored Digital Value

Cisco PLT Variable Name	Variable Description	Service Affecting

Led Red 1D	Card red led status Severity Critical or Major.	NO
Led Yellow 1D	Card yellow led status Severity Minor.	NO
Led White 1D	Card yellow ind led status Severity warning.	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	YES
Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO
Rel. LasOffD	Monitor of the optical protection function (laser shutdown) Backplane OP-I/O connector.	YES

LEM & WCM - 622Mbps Module & LEM 2.5 Gbps Module

Cisco PLT Alarm Name	Alarm Description	Service Affecting

LasTemp 1A	Transponder Laser Operating Temperature Low Temp: Laser Operating Temperature crossed the Fail Low threshold High Temp: Laser Operating Temperature Temperature crossed the Fail High threshold.	YES YES
LasCur 1A	Transponder Laser Operating Bias Degrade: Laser Bias crossed the Degrade High threshold Fail: Laser Bias crossed the Fail High threshold.	NO NO
InpPwr 1A	Optical Input Power Power low: Optical Input Power crossed the Fail Low threshold Power high: Optical Input Power crossed the Fail High threshold.	NO NO
OutPwr 1A	Optical Output Power High: Optical Output Power crossed the Degrade High threshold Low: Optical Output Power crossed the Degrade Low threshold.	NO NO

LasPwr 1A	Transponder Laser Operating Power Power Low: Laser Power crossed the Degrade Low threshold High: Laser Power crossed the Degrade High threshold.	NO NO
modout stat 1D	Output Modulation Failure On: Loss of Output Modulation.	YES
los status 1	Loss of Input Electrical Signal On: Loss of Electrical Signal. Note: Not available on 10Gbps cards without B1 Mon.	YES
ipoin stat 1	Optical Safety Input Signal On: Optical Safety Input Signal Active.	NO
ipout stat 1	Optical Safety Output Signal On: Optical Safety Output Signal Active.	NO
opin stat 1	External Safety Control On: External Optical Safety Control Active.	YES

pinlowstat 1	Loss of Optical Input Power On: Loss of Optical Input Power.	YES
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Cisco PLT Variable Name	Variable Description	Service Affecting
Led Red 1D	Card red led status Severity Critical or Major.	NO
Led Yellow 1D	Card yellow led status Severity Minor.	NO
Led White 1D	Card yellow ind led status Severity warning.	NO
Rel. Major 1D	Card major alarm Relay contact status Backplane ALM connector.	YES
Rel. Minor 1D	Card minor alarm Relay contact status Backplane ALM connector.	NO
Rel. LasOffD	Monitor of the optical protection function (laser shutdown) Backplane OP-I/O connector.	YES

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