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# CSC Offline Monitoring Plots 2015 (13TeV)

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list of index (to be done)

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## Introduction

CSC muon chambers are currently installed in the Small Wheel (SW) in ATLAS detector. There are totally 32 CSC chambers, 16 on each side. CSC experts use sector number to readily identify chambers. Large chambers are in odd sectors, small chambers are in even sectors.

Offline monitoring of the CSCs' takes place at several levels: raw hits (RDO), calibrated hits (PRD), clusters and segments. A list of **shifter** and **expert** histograms for Offline DQA monitoring can be found below. More information on offline monitoring on CSC muon chambers and in general for muons can be found here [Muon Offline DQ Shift Instructions](#), [CSC Offline Analysis Tools](#), [CSC Offline DQ monitoring](#)

## Monitoring Levels

### Raw Hit (RDO) Monitoring

RDO monitoring looks at the raw data from the ROD.

### Calibrated Hit (PRD) Monitoring

PRD monitoring looks at the CSC hits after pedestal subtraction and calibration constants have been applied. We monitor hit maps for all CSCs' layers.

### Cluster Monitoring

Cluster monitoring looks at clusters on segments. Total cluster charge and max strip charge per cluster are monitored as well as MPV of the total cluster charge.

### Segment Monitoring

### AtlasDQM Histograms

### Structure

### Shifter Histograms

Prepared Raw Data

Cluster

Segments

## Expert Histograms

Raw Data

## Segment Monitoring Histogram Reference

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