

Status Report on Pixel DB Conditions

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2015 pp data re-reco

- ▶ **Bad Module list**

- ▶ Twiki:
<https://twiki.cern.ch/twiki/bin/viewauth/CMS/SiPixelQualityHistory>

- ▶ **Lorentz Angle**

- ▶ Twiki:
<https://twiki.cern.ch/twiki/bin/view/CMS/SiPixelLorentzAngleHistory>

- ▶ **Templates, GenErrors**

- ▶ Twiki:
<https://twiki.cern.ch/twiki/bin/view/CMS/SiPixelTemplateHistory>
- ▶ Twiki:
<https://twiki.cern.ch/twiki/bin/viewauth/CMS/SiPixelGenErrorHistory>

- ▶ **Gain calibration**

- ▶ Twiki:
<https://twiki.cern.ch/twiki/bin/view/CMS/SiPixelGainHistory>

SiPixelQuality – offline tags

- ▶ Record: **SiPixelQualityFromDbRcd**
- ▶ Tag: **SiPixelQuality_v04_offline**

IOV	Run Range	Content	Date of upload
1-23	0 - 2383410	...	...
24	238341 - 246907	SiPixelQuality_v23	2015-05-11
25	246908 - 250988	SiPixelQuality_v25	2015-06-23
26	250989 - 251721	SiPixelQuality_v26	2015-07-09
27	251722 - 255730	SiPixelQuality_v27	2015-07-14
28	255731 - infinity	SiPixelQuality_v28	2015-09-18

SiPixelGainCalibration – offline tags

- ▶ Record: **SiPixelGainCalibrationOfflineRcd**
- ▶ Description:
 - ▶ ...HLT... - gains/pedestals are per column,
 - ▶ ...Offline... - gains are per column, pedestals are per pixel
- ▶ Tag: **SiPixelGainCalibrationHLT_2009runs_offline/
SiPixelGainCalibration_2009runs_offline**

IOV	Run Range	Content	Date of upload
1-7	1- 233748		...
8	233749-255730	SiPixelGainCalibration_GainRun1085_31X_v1 / SiPixelGainCalibration_GainRun1085_31X_HLT_v1	2015-05-11
9	255731-infinity	SiPixelGainCalibration_2015_v3_hltvalidation / SiPixelGainCalibration_2015_v3_hltvalidation	2015-09-18

New offline tags (single tags)

Tag name	Run Range	DB	Date of the upload
SiPixelLorentzAngle_ 2015_v4	253914- 255654	Prep	2015-09-21
SiPixelGenErrorDBObject_ 38T_2015_v4	253914- 255654	Prep	2015-09-21
SiPixelTemplateDBObject_ 38T_2015_v4	253914- 255654	Prep	2015-09-21

- ▶ Correct description of the Run2015C conditions (150 V)

New offline tags (IOV tags)

Run Range	SiPixelLorentzAngle_v6_offline	SiPixelGenErrorDBObject_38T_v3_offline	SiPixelTemplateDBObject_38T_v8_offline
1 - 238340	...	...	...
238341 - 246865 (CRAFT15)	SiPixelLorentzAngle_2015_v2	SiPixelGenErrorDBObject_38T_2015_v1	SiPixelTemplateDBObject_38T_2015_v1
246866 - 253913 (Run2015A + Run2015B)	SiPixelLorentzAngle_2015_v3	SiPixelGenErrorDBObject_38T_2015_v3	SiPixelTemplateDBObject_38T_2015_v3

New offline tags (IOV tags)

Run Range	SiPixelLorentzAngle_v6_offline	SiPixelGenErrorDBObject_38T_v3_offline	SiPixelTemplateDBObject_38T_v8_offline
...	...	...	...
253914 - 255654 (Run2015C)	SiPixelLorentzAngle_2015_v4	SiPixelGenErrorDBObject_38T_2015_v4	SiPixelTemplateDBObject_38T_2015_v4
255655 - infinity (Run2015D)	SiPixelLorentzAngle_2015_v3	SiPixelGenErrorDBObject_38T_2015_v3	SiPixelTemplateDBObject_38T_2015_v3

**Uploaded to Prod and queued to Run I & Run II
offline workflows on 2015-09-30**

Backup

Backup slides

SiPixelLorentzAngle – offline tags

- ▶ Record: **SiPixelLorentzAngleRcd**
- ▶ Tag: **SiPixelLorentzAngle_v4_offline**

IOV	Run Range	Content	Date of upload
1-9	1-238340	...	2015-09-??
10	238341 - 255730	SiPixelLorentzAngle_2015_v2	2015-09-??
11	255731 - infinity	SiPixelLorentzAngle_2015_v3	2015-09-??

Bad! New tag is about to build:
SiPixelLorentzAngle_v6_offline

SiPixelGenError – offline tags

- ▶ Record: **SiPixelGenErrorDBObjectRcd**
- ▶ Tag: **SiPixelGenErrorDBObject_38T_v2_offline**

IOV	Run Range	Content	Date of upload
1	1-238340	SiPixelGenErrorDBObject_38T_2015_v1	2015-07-27
2	238341 - 255730	SiPixelGenErrorDBObject_38T_2015_v1	2015-07-27
3	255731 - infinity	SiPixelGenErrorDBObject_38T_2015_v3	2015-09-04

Bad! New tag is about to build:
SiPixelGenErrorDBObject_38T_v3_offline

SiPixelTemplate – offline tags

- ▶ Record: **SiPixelTemplateDBObjectRcd**
- ▶ Tag: **SiPixelTemplateDBObject_38T_v6_offline**

IOV	Run Range	Content	Date of upload
1-8	1 - 238340	...	...
9	238341 – 255730	SiPixelTemplateDBObject_38T_2015_v2	2015-07-27
10	255731 - infinity	SiPixelTemplateDBObject_38T_2015_v3	2015-09-04

Bad! New tag is about to build:
SiPixelTemplateDBObject_38T_v8_offline