HGC_CERN_SENSOR_IV_SUMRY old and Proposed Columns

Old Columns

CONDITION_DATA_SET_ID CRNTRATIO_800_TO_600V GRADE

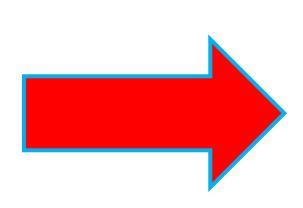
NUM_BAD_ADJ_CELLS
NUM_BAD_CELLS

PASS

RECORD ID

TOT_CURNT_NANOAMP_600V

TOT_CURNT_NANOAMP_800V



Columns we proposed (which now work)

CONDITION_DATA_SET_ID
CRNTRATIO_800_TO_600V
CURNT_600V_LT_100UA
NUM_BAD_ADJ_CELLS
NUM_BAD_ADJ_CELLS_PASS
NUM_BAD_CELLS
LIST_BAD_CELLS
NUM_BAD_CELLS_PASS
PASS
RECORD_ID
TOT_CURNT_NANOAMP_600V
TOT_CURNT_NANOAMP_800V

Notes:

- Remove GRADES because currently SI testing does not assign grades
- LIST_BAD_CELLS: it is critical to keep track of the bad censor cells in the DB this could just be a commaseparated list of integers
- To see the proposed new XML template (which could be derived from the column names above), see next page

HGC_CERN_SENSOR_IV_SUMRY New XML template

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ROOT xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<HEADER>
  <TYPE>
           <EXTENSION TABLE NAME> HGC CERN SENSOR IV SUMRY</EXTENSION TABLE NAME>
           <NAME>HGC CERN Sensor IV Summary
  </TYPE>
           <RUN>
                       <RUN NAME>Your Run Name
<!-- Enter your timestamp -->
                      <RUN BEGIN TIMESTAMP>2018-05-14 00:00:00/RUN BEGIN TIMESTAMP>
                      <RUN END TIMESTAMP>2018-05-14 00:00:00/RUN END TIMESTAMP>
                      <INITIATED BY USER>Your Name</INITIATED BY USER>
                       <LOCATION>CERN</LOCATION>
                       <COMMENT DESCRIPTION>Your Comments/COMMENT DESCRIPTION>
           </RUN>
</HEADER>
           <DATA SET>
                       <PART>
                                  <KIND OF PART>120um Si Sensor HD Full</KIND OF PART>
                                  </PART>
                      </PART>
                       <DATA>
                                  <TOT CURNT NANOAMP 600V>7.609905</TOT CURNT NANOAMP 600V>
                                  <TOT CURNT NANOAMP 800V>0.01653122</TOT CURNT NANOAMP 800V>
                                  <CURNT 600V LESSTHAN 100uA>PASSED/CURNT 600V LESSTHAN 100uA>
                                  <CRNTRATIO 800 TO 600>PASSED< CRNTRATIO 800 TO 600 >
                                  <NUM BAD CELLS>3</NUM BAD CELLS>
                                  <LIST BAD CELLS>25,100,112</LIST BAD CELLS>
                                  <NUM BAD CELLS PASS>PASSED</NUM BAD CELLS PASS>
                 <PASS>N</PASS>
                                  <NUM BAD ADJ CELLS>5</NUM BAD ADJ CELLS>
                                  <NUM BAD ADJ CELLS PASS>PASS</num BAD ADJ CELLS PASS>
           </DATA SET>
</ROOT>
```

HGC_CERN_SENSOR_CV_SUMRY old and Proposed Columns

Current Columns

(which now work)

CONDITION_DATA_SET_ID

DEPL_UNIF_VOLTS

DEPL VOLTS

GRADE

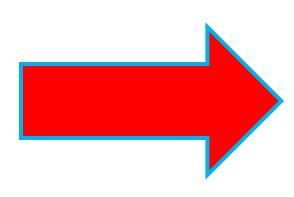
MAX_DEPL_VOLTS

PASS

RECORD_ID

SNSR_THICKNESS

SNSR_THICKNESS_UNIF



CONDITION_DATA_SET_ID DEPL_UNIF_VOLTS

DEPL_VOLTS_PASS

DEPL_VOLTS_UNIF_PASS

C_INT_PASS

DEPL VOLTS

MAX_DEPL_VOLTS

PASS

RECORD ID

SNSR THICKNESS

SNSR_THICKNESS_UNIF

SNSR_THICKNESS_UNIF_PASS

Notes:

- Remove GRADES because currently SI testing does not assign grades
- To see the proposed new xml template (which could be derived from the column names above),
 see next page

HGC_CERN_SENSOR_CV_SUMRY Proposed XML template

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ROOT xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<HEADER>
           <TYPE>
                      <EXTENSION_TABLE_NAME>HGC_CERN_SENSOR_CV_SUMRY</EXTENSION_TABLE_NAME>
                       <NAME>HGC CERN Sensor CV Summary
           </TYPE>
           <RUN>
                      <RUN NAME>Your Run Name
<!-- Enter your timestamp -->
                       <RUN BEGIN TIMESTAMP>2018-05-14 00:00:00/RUN BEGIN TIMESTAMP>
                       <RUN END TIMESTAMP>2018-05-14 00:00:00/RUN END TIMESTAMP>
                       <INITIATED BY USER>Your Name</INITIATED BY USER>
                       <LOCATION>CERN</LOCATION>
                       <COMMENT DESCRIPTION>Your Comments/COMMENT DESCRIPTION>
           </RUN>
</HEADER>
           <DATA_SET>
                       <PART>
                                  <KIND OF PART>120um Si Sensor HD Full</KIND OF PART>
                                  </PART>
                       <DATA>
                                  <SNSR THCKNESS>120</SNSR THCKNESS>
                                  <DEPL VOLTS>200</DEPL VOLTS>
                                  <MAX DEPL VOLTS>250</MAX DEPL VOLTS>
                                  <DEPL_UNIF_VOLTS>200</DEPL_UNIF_VOLTS>
                                  <SNSR THKNES UNIF>120</SNSR THKNES UNIF>
                                  <DEPL VOLTS PASS>PASSED/DEPL VOLTS PASS>
                                  <DEPL VOLTS UNIF PASS>PASSED/DEPL VOLTS UNIF PASS>
                                  <C_INT_PASS>PASSED</C_INT_PASS>
                                  <SNSR THKNES UNIF PASS>PASSED</SNSR THKNES UNIF PASS>
                                  <pass>passed</pass>
                       </DATA>
           </DATA_SET>
</ROOT>
```

