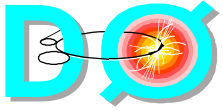


# D0 DAQ Global GUI

## CRATER.py



# CRATER.py

---

- Setup d0online
- go to :
  - ◆ [/online/data/coor/configurations/readouts/daq\\_gui](/online/data/coor/configurations/readouts/daq_gui)
- python CRATER.py
- edit crates per detector or system
- click SAVE button on page
- ta da, you're done!

**File** **View**

**Help**

**L1**

**L2**

**MUON**

**CAL**

**CFT**

**SMT**

**STT**

- X10 I1cal
- X11 I1lum
- X12 I1fpd
- X13 I1ctt
- X14 I1ctm
- X16 I1muc
- X17 I1mun
- X18 I1mus
- X19 I1mtm

**Save**

Status: RED=IN GRAY=OUT Activated L1

```
<!-- *****DO NOT EDIT  AUTOMATICALLY GENERATED***** -->

<!-- l1_crates_readout.xml -->

<download name="l1_crates">

<L1_Crate name="l1cal"/>    <!-- X10 -->
<L1_Crate name="l1fpd"/>    <!-- X12 -->
<L1_Crate name="l1ctm"/>    <!-- X14 -->
<L1_Crate name="l1muc"/>    <!-- X16 -->
<L1_Crate name="l1mus"/>    <!-- X18 -->

<!--  L1 Associated Crates  -->

<Null_Device name="l1caldc"/>

</download>
```

**File** **View** **Help**

L1 **L2** MUON CAL CFT SMT STT

- X20 I2glb
- X21 I2muc
- X22 I2muf
- X23 I2cal
- X24 I2ps
- X25 I2ctt

Save

Status: RED=IN GRAY=OUT Activated L2

```
<!-- *****DO NOT EDIT  AUTOMATICALLY GENERATED by CRATER v1.0***** -->
```

```
<!-- l2_crates_readout.xml -->
```

```
<download name="l2_crates">
```

```
<L2_Crate name="l2glb"/> <!-- X20 -->
```

```
<L2_Crate name="l2muc"/> <!-- X21 -->
```

```
<L2_Crate name="l2muf"/>
```

```
<L2_Crate name="l2cal"/>
```

```
<L2_Crate name="l2ps"/> <!-- X24 -->
```

```
<L2_Crate name="l2ctt"/> <!-- X25 -->
```

```
<Null_Device name="l2ta"/>
```

```
<Null_Device name="l2tb"/>
```

```
<Null_Device name="l2tc"/>
```

```
<Null_Device name="l2td"/>
```

```
</download>
```

```
<crate_list name="l2all_vbd">
```

```
<crateref ref="l2glb"/> <!-- X20 -->
```

```
<crateref ref="l2muc"/> <!-- X21 -->
```

```
<crateref ref="l2ps"/> <!-- X24 -->
```

```
<crateref ref="l2ctt"/> <!-- X25 -->
```

```
<crateref ref="l2ta"/>
```

```
<crateref ref="l2tb"/>
```

```
<crateref ref="l2tc"/>
```

```
<crateref ref="l2td"/>
```

```
</crate_list>
```

```
<crate_list name="l2all_novbd">
```

```
<crateref ref="l2muf"/> <!-- X22 -->
```

```
<crateref ref="l2cal"/> <!-- X23 -->
```

```
</crate_list>
```

**File** **View**

**Help**

L1

L2

**MUON**

CAL

CFT

SMT

STT

- X30 fmsm
- X31 fmnm
- X32 fmss
- X33 fmns
- X34 cmwtp
- X35 cmwsp
- X36 cmwbp
- X37 cmwsc
- X38 cmetp
- X39 cmesp
- X3A cmebp
- X3B cmesc

Save

Status: RED=IN GRAY=OUT Activated MUON

```
<!-- *****DO NOT EDIT  AUTOMATICALLY GENERATED***** -->
```

```
<!-- muo_crates_readout.xml -->
```

```
<download name="muo_crates">
```

```
<Muo_Crate name="fmsm" /> <!-- X30 -->
```

```
<Muo_Crate name="fmm" /> <!-- X31 -->
```

```
<Muo_Crate name="cmwtp" /> <!-- X34 -->
```

```
<Muo_Crate name="cmwbp" /> <!-- X36 -->
```

```
<Muo_Crate name="cmetp" /> <!-- X38 -->
```

```
<Muo_Crate name="cmebp" /> <!-- X3A -->
```

```
</download>
```



**File** **View**

**Help**

L1

L2

MUON

**CAL**

CFT

SMT

STT

- X40 ecnnw
- X41 ecnsw
- X42 ccnw
- X43 ccsw
- X44 ecsnw
- X45 ecssw
- X46 ecsse
- X47 ecsne
- X48 ccse
- X49 ccne
- X4A ecnse
- X4B ecnne
- X4C caltc

Save

Status: RED=IN GRAY=OUT Activated CAL

```
<!-- *****DO NOT EDIT  AUTOMATICALLY GENERATED***** -->
```

```
<!-- cal_crates_readout.xml -->
```

```
<download name="cal_crates">
```

```
<Cal_ADC_Crate name="ecnw"/> <!-- X40 -->
```

```
<Cal_ADC_Crate name="ccnw"/> <!-- X42 -->
```

```
<Cal_ADC_Crate name="ecsnw"/> <!-- X44 -->
```

```
<Cal_ADC_Crate name="ecsse"/> <!-- X46 -->
```

```
<Cal_ADC_Crate name="ccse"/> <!-- X48 -->
```

```
<Cal_ADC_Crate name="ecnse"/> <!-- X4A -->
```

```
<Cal_TC_Crate name="caltc"/> <!-- X4C -->
```

```
</download>
```

**File** **View**

**Help**

L1

L2

MUON

CAL

CFT

SMT

STT

X50 cftax

X51 cftst

X52 cps

X53 fps

Save

Status: RED=IN GRAY=OUT Activated CFT

```
<!-- *****DO NOT EDIT  AUTOMATICALLY GENERATED***** -->

<!-- cft_crates_readout.xml -->

<download name="cft_crates">

<CFT_Crate name="cftax"/>    <!-- X50 -->
<CFT_Crate name="cps"/>    <!-- X52 -->

<!--  CFT Sequencer Crates  -->

<Null_Device  name="seq3"/>

</download>
```

**File** **View** **Help**

**L1** **L2** **MUON** **CAL** **CFT** **SMT** **STT**

- X60 smt0\_0
- X61 smt0\_1
- X62 smt1\_0
- X63 smt1\_1
- X64 smt2\_0
- X65 smt2\_1
- X66 smt3\_0
- X67 smt3\_1
- X68 smt4\_0
- X69 smt4\_1
- X6A smt5\_0
- X6B smt5\_1

**Save**

Status: RED=IN GRAY=OUT Activated SMT

```
<!-- *****DO NOT EDIT  AUTOMATICALLY GENERATED***** -->
```

```
<!-- smt_crates_readout.xml -->
```

```
<download name="smt_crates">
```

```
<SMT_Crate name="smt0_0"/> <!-- X60 -->
```

```
<SMT_Crate name="smt1_0"/> <!-- X62 -->
```

```
<SMT_Crate name="smt2_0"/> <!-- X64 -->
```

```
<SMT_Crate name="smt3_0"/> <!-- X66 -->
```

```
<SMT_Crate name="smt4_0"/> <!-- X68 -->
```

```
<SMT_Crate name="smt5_0"/> <!-- X6A -->
```

```
<!-- SMT Sequencer Crates -->
```

```
<Null_Device name="seq0"/>
```

```
<Null_Device name="seq1"/>
```

```
<Null_Device name="seq2"/>
```

```
</download>
```

- L1
- L2
- MUON
- CAL
- CFT
- SMT
- STT

- X70 stt0
- X71 stt1
- X72 stt2
- X73 stt3
- X74 stt4
- X75 stt5

Save

```
<!-- *****DO NOT EDIT  AUTOMATICALLY GENERATED***** -->
```

```
<!-- stt_crates_readout.xml -->
```

```
<download name="stt_crates">
```

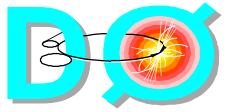
```
<STT_Crate name="stt0"/> <!-- X70 -->
```

```
<STT_Crate name="stt2"/> <!-- X72 -->
```

```
<STT_Crate name="stt4"/> <!-- X74 -->
```

```
</download>
```





# Credits

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- **Drew Alton**
- **Fritz Bartlett**
- **Harald Fox**
- **Jeff Savage**
- **Julie Torborg**