

C1X06_GDS_TP.adl

RCG # -3.40 SVN # 4534M C1X06_GDS_TP Wed Sep 29 23:41:21 2021

FE TIM ADC DAC DAQ IPC AWG DK EXC OVF CFC

STATE WORD █ █ █ █ █ █ █ █ █ █ █ █

GPS Time 1316994098
Diag Reset

TIMING STATUS **I/O STATUS** **DAQ STATUS** 23 **CONFIGURATION FILES**

Sync Source: TDS

OVERFLOWS: 9

RT NET STAT: █ █ █ █ █ █ █ █

DC	Status	CPS	SUM
FE	NET CHN	DRATE	TRATE
0	0	14	14
222			

DC SDF TABLE: safe
Wed Sep 29 23:36:45 2021

COEFF LOAD: Wed Sep 29 23:36:39 2021

!Diff

DAQ LOAD: Wed Sep 29 23:36:39 2021

CYC/USR: 14 / 0
CPU Max: 1 / 2
DT ADC: 5
IRIG-B: 0
DT DAC: -1000 → OFF/ON

Test Points: 0 AWG: █

AO0 █ █ █ █
DO0 █ █ █ █

C1X07_GDS_TP.adl

RCG # -3.40 SVN # 4534M C1X07_GDS_TP Wed Sep 29 23:40:11 2021

FE TIM ADC DAC DAQ IPC AWG DK EXC OVF CFC

STATE WORD █ █ █ █ █ █ █ █ █ █ █ █

GPS Time 1316994028
Diag Reset

TIMING STATUS **I/O STATUS** **DAQ STATUS** 24 **CONFIGURATION FILES**

Sync Source: TDS

OVERFLOWS: 5

RT NET STAT: █ █ █ █ █ █ █ █

DC	Status	CPS	SUM
FE	NET CHN	DRATE	TRATE
0	0	26	26
417			

DC SDF TABLE: safe
Wed Sep 29 23:35:50 2021

COEFF LOAD: Wed Sep 29 23:35:44 2021

!Diff

DAQ LOAD: Wed Sep 29 23:35:44 2021

CYC/USR: 13 / 1
CPU Max: 2 / 6
DT ADC: 5
IRIG-B: 0
DT DAC: 6 → OFF/ON

Test Points: 0 AWG: █

AO0 █ █ █ █
AO1 █ █ █ █
DO0 █ █ █ █
DI1 █ █ █ █
DI2 █ █ █ █

C1BHD_GDS_TP.adl

RCG # -3.40 SVN # 4534M C1BHD_GDS_TP Wed Sep 29 23:41:21 2021

FE TIM ADC DAC DAQ IPC AWG DK EXC OVF CFC

STATE WORD █ █ █ █ █ █ █ █ █ █ █ █

GPS Time 1316994098
Diag Reset

TIMING STATUS **I/O STATUS** **DAQ STATUS** 25 **CONFIGURATION FILES**

Sync Source: IOP

OVERFLOWS: 0

RT NET STAT: █ █ █ █ █ █ █ █

DC	Status	CPS	SUM
FE	NET CHN	DRATE	TRATE
1	1	73	73
1028			

DC SDF TABLE: safe
Wed Sep 29 23:40:17 2021

COEFF LOAD: Wed Sep 29 23:40:11 2021

!Diff

DAQ LOAD: Wed Sep 29 23:40:11 2021

CYC/USR: 60 / 3
CPU Max: 5 / 5

Test Points: 0 AWG: █

AO0 █ █ █ █
DO0 █ █ █ █

C1SU2_GDS_TP.adl

RCG # -3.40 SVN # 4534M C1SU2_GDS_TP Wed Sep 29 23:40:11 2021

FE TIM ADC DAC DAQ IPC AWG DK EXC OVF CFC

STATE WORD █ █ █ █ █ █ █ █ █ █ █ █

GPS Time 1316994028
Diag Reset

TIMING STATUS **I/O STATUS** **DAQ STATUS** 26 **CONFIGURATION FILES**

Sync Source: IOP

OVERFLOWS: 0

RT NET STAT: █ █ █ █ █ █ █ █

DC	Status	CPS	SUM
FE	NET CHN	DRATE	TRATE
0	0	274	274
4295			

DC SDF TABLE: safe
Wed Sep 29 23:39:17 2021

COEFF LOAD: Wed Sep 29 23:39:11 2021

!Diff

DAQ LOAD: Wed Sep 29 23:39:11 2021

CYC/USR: 59 / 9
CPU Max: 18 / 19

Test Points: 0 AWG: █

AO0 █ █ █ █
AO1 █ █ █ █
DO0 █ █ █ █
DI1 █ █ █ █
DI2 █ █ █ █

```
controls@fb1:~ 0$
controls@fb1:~ 0$ systemctl status daqd_*
● daqd_dc.service - Advanced LIGO RTS daqd data concentrator
   Loaded: loaded (/etc/systemd/system/daqd_dc.service; enabled)
   Active: failed (Result: start-limit) since Wed 2021-09-29 23:42:10 UTC; 5min
ago
   Process: 10178 ExecStart=/usr/bin/daqd_dc_mx -c /opt/rtdcs/caltech/c1/target/d
aqa/daqdrc.dc (code=exited, status=1/FAILURE)
   Main PID: 10178 (code=exited, status=1/FAILURE)

● daqd_fw.service - Advanced LIGO RTS daqd frame writer
   Loaded: loaded (/etc/systemd/system/daqd_fw.service; enabled)
   Active: active (running) since Wed 2021-09-29 23:42:07 UTC; 5min ago
   Main PID: 10090 (daqd_fw)
   CGroup: /daqd.slice/daqd_fw.service
           └─10090 /usr/bin/daqd_fw -c /opt/rtdcs/caltech/c1/target/daqd/daqd...

● daqd_rcv.service - Advanced LIGO RTS daqd testpoint receiver
   Loaded: loaded (/etc/systemd/system/daqd_rcv.service; enabled)
   Active: active (running) since Wed 2021-09-29 23:42:08 UTC; 5min ago
   Main PID: 10091 (daqd_rcv)
   CGroup: /daqd.slice/daqd_rcv.service
           └─10091 /usr/bin/daqd_rcv -c /opt/rtdcs/caltech/c1/target/daqd/daqd...

controls@fb1:~ 3$
```

```
controls@fb1:~ 0$
controls@fb1:~ 0$ sudo systemctl status open-mx.service -l
● open-mx.service - LSB: starts Open-MX driver
   Loaded: loaded (/etc/init.d/open-mx)
   Active: active (running) since Wed 2021-09-29 23:54:32 UTC; 1min 42s ago
   Process: 11375 ExecStart=/etc/init.d/open-mx start (code=exited, status=0/SUCCESS)
   CGroup: /system.slice/open-mx.service
           └─11403 /opt/3.2.88-csp/open-mx-1.5.4/bin/fma -d

Sep 29 23:54:22 fb1 open-mx[11375]: assuming udev manages device files, unless a
file is missing.
Sep 29 23:54:22 fb1 open-mx[11375]: crw-rw-rw- 1 root root 10, 58 Sep 29 23:54 /
dev/open-mx
Sep 29 23:54:22 fb1 open-mx[11375]: crw-rw-rw- 1 root root 10, 59 Sep 29 23:54 /
dev/open-mx-raw
Sep 29 23:54:22 fb1 open-mx[11375]: Creating FMS run directory /var/run/fms...
Sep 29 23:54:22 fb1 open-mx[11375]: Starting the dynamic peer discovery (fma -d
)
Sep 29 23:54:27 fb1 open-mx[11375]: Waiting 5s for FMA to start...
Sep 29 23:54:32 fb1 open-mx[11375]: Started as pid=11403
Sep 29 23:54:32 fb1 open-mx[11375]: Found 1 boards (32 max) supporting 32 endpoi
nts each:
Sep 29 23:54:32 fb1 open-mx[11375]: fb1:0 (board #0 name eth1 addr 3c:ec:ef:00:0
b:89)
Sep 29 23:54:32 fb1 systemd[1]: Started LSB: starts Open-MX driver.
controls@fb1:~ 0$
```

```
awgtpman Version $Id$
controls@c1sus2:~ 0$
controls@c1sus2:~ 0$
controls@c1sus2:~ 0$
controls@c1sus2:~ 0$
controls@c1sus2:~ 0$
controls@c1sus2:~ 0$
controls@c1sus2:~ 0$ systemctl status mx_stream
● mx_stream.service - Advanced LIGO RTS front end mx stream
   Loaded: loaded (/etc/systemd/system/mx_stream.service; disabled)
   Active: inactive (dead)
controls@c1sus2:~ 3$ sudo systemctl restart mx_stream
controls@c1sus2:~ 0$
controls@c1sus2:~ 0$
controls@c1sus2:~ 0$
controls@c1sus2:~ 0$
controls@c1sus2:~ 0$
controls@c1sus2:~ 0$ systemctl status mx_stream -l
● mx_stream.service - Advanced LIGO RTS front end mx stream
   Loaded: loaded (/etc/systemd/system/mx_stream.service; disabled)
   Active: activating (auto-restart) (Result: exit-code) since Wed 2021-09-29 23
:44:22 UTC; 43ms ago
   Process: 2237 ExecStart=/etc/mx_stream_exec (code=exited, status=1/FAILURE)
   Main PID: 2237 (code=exited, status=1/FAILURE)
controls@c1sus2:~ 3$
```



```
controls@c1bhd:~ 0$
controls@c1bhd:~ 0$
controls@c1bhd:~ 0$ systemctl status mx-stream
● mx-stream.service
   Loaded: not-found (Reason: No such file or directory)
   Active: inactive (dead)
controls@c1bhd:~ 3$ systemctl status mx_stream
● mx_stream.service - Advanced LIGO RTS front end mx stream
   Loaded: loaded (/etc/systemd/system/mx_stream.service; disabled)
   Active: inactive (dead)
controls@c1bhd:~ 3$ systemctl restart mx_stream
Failed to restart mx_stream.service: Access denied
controls@c1bhd:~ 4$ sudo systemctl restart mx_stream
controls@c1bhd:~ 0$
controls@c1bhd:~ 0$
controls@c1bhd:~ 0$
controls@c1bhd:~ 0$ systemctl status mx_stream -l
● mx_stream.service - Advanced LIGO RTS front end mx stream
   Loaded: loaded (/etc/systemd/system/mx_stream.service; disabled)
   Active: activating (auto-restart) (Result: exit-code) since Wed 2021-09-29 23
:44:46 UTC; 1s ago
   Process: 2119 ExecStart=/etc/mx_stream_exec (code=exited, status=1/FAILURE)
   Main PID: 2119 (code=exited, status=1/FAILURE)
controls@c1bhd:~ 3$
```

