

Servo-Online_V2 successful interface testing at C01 antenna

Date : 29/12/2014

Time : 14.00 PM to 15.00 PM

Persons : Mr. Thiyagu & Mr.Raju

```
[raju@localhost Online]$ ./online_v2
```

```
HIGHUSER thread CREATED=> 0
```

```
SERVO thread CREATED=> 0
```

```
GUI INTERFACE thread CREATED=> 0
```

```
PYTHON INTERFACE thread CREATED=> 0
```

```
### SERVER WANTING FOR GUI CLIENT TO CONNECT #####
```

```
==> SERVO SERVER WANTING FOR CLIENT CONNECTION ==>$$$ SERVER
```

```
WANTING FOR PYTHON ENVIRONMENT CLIENT TO CONNECT $$$$
```

```
MCM SYSTEM thread CREATED=> 0
```

```
msgget: Calling msgget(0xc9,01600)
```

```
msgget: msgget succeeded: msqid = 0
```

```
Successfully Created MESSAGE QUEUE ID=0
```

```
##### SERVER WANTING FOR CLIENT CONNECTION #####
```

```
>> ACCEPTED CONNECTION C01 Servo System 192.168.4.3
```

```
SERVO thread opened succesfully=>
```

C01 servo hold

```
CMD[0] => C01
```

```
CMD[1] => servo
```

```
CMD[2] => hold
```

```
Command for C01 ANTENNA
```

```
ANTENNA C01 C01
```

```
System servo
```

```
OP NAME hold
```

```
***** hold
```

```
##### Element in Command Queue servo
```

```
we wrote on the socket 12 servo hold
```

```
ax B
```

```
Size of Struct is ##### 1126
```

```
INSERTING in Command Queue servo
```

```
>> we wrote on the socket 12 29-Dec-2014 14:31:26 servo hold
```

```
ax B
```

```
Size of Struct is ##### 1126
```

```
Size of Response Struct is ##### 2192
```

```
SEQ number is 12
```

```
Timestamp is 29-Dec-2014 14:31:26
```

```
System name is servo
```

Response code is 1
Response type is 1
Command Received
Command Received
Writing IMMEDIATE to ONLINE from SERVO THREAD SUCCESSFUL
Size of Response Struct is ##### 2192
SEQ number is 12
Timestamp is 29-Dec-2014 14:31:26
System name is servo
Response code is 2
Response type is 1
Servo Final Resp: Command SUCCESS
Servo Final Resp: Command SUCCESS
Writing FINAL RESPONSE to ONLINE from SERVO THREAD SUCCESSFUL

C01 servo position

CMD[0] => C01
CMD[1] => servo
CMD[2] => position
Command for C01 ANTENNA
ANTENNA C01 C01
System servo
OP NAME position
Element in Command Queue servo
we wrote on the socket 13 servo position
ax B
ang1 100:00:00
ang2 45:00:00
Size of Struct is ##### 1126
INSERTING in Command Queue servo

>> we wrote on the socket 13 29-Dec-2014 14:32:04 servo position
ax B
ang1 100:00:00
ang2 45:00:00
Size of Struct is ##### 1126
Size of Response Struct is ##### 2192
SEQ number is 13
Timestamp is 29-Dec-2014 14:32:04
System name is servo
Response code is 1
Response type is 1
Command Received
Command Received
Writing IMMEDIATE to ONLINE from SERVO THREAD SUCCESSFUL

Size of Response Struct is ##### 2192
SEQ number is 13
Timestamp is 29-Dec-2014 14:32:04
System name is servo
Response code is 2
Response type is 1
Servo Final Resp: Command SUCCESS
Servo Final Resp: Command SUCCESS
Writing FINAL RESPONSE to ONLINE from SERVO THREAD SUCCESSFUL

>> **C01 servo readangles**

CMD[0] => C01
CMD[1] => servo
CMD[2] => readangles
Command for C01 ANTENNA
ANTENNA C01 C01
System servo
OP NAME readangles
readangles
Element in Command Queue servo
we wrote on the socket 20 servo readangles
Size of Struct is ##### 1126
INSERTING in Command Queue servo

>> we wrote on the socket 20 29-Dec-2014 14:33:58 servo readangles

Size of Struct is ##### 1126
Size of Response Struct is ##### 2192
SEQ number is 20
Timestamp is 29-Dec-2014 14:33:58
System name is servo
Response code is 1
Response type is 1
Command Received
Command Received
Writing IMMEDIATE to ONLINE from SERVO THREAD SUCCESSFUL
Size of Response Struct is ##### 2192
SEQ number is 20
Timestamp is 29-Dec-2014 14:33:58
System name is servo
Response code is 4
Response type is 1
Servo Angles Data
time
14:40:45
az_cp

+114:26:20

az_tp

+100:00:00

el_cp

+044:59:50

el_tp

+045:00:00

Writing FINAL RESPONSE to ONLINE from SERVO THREAD SUCCESSFUL

C01 servo readangles

CMD[0] => C01

CMD[1] => servo

CMD[2] => readangles

Command for C01 ANTENNA

ANTENNA C01 C01

System servo

OP NAME readangles

readangles

Element in Command Queue servo

we wrote on the socket 20 servo readangles

Size of Struct is ##### 1126

INSERTING in Command Queue servo

>> we wrote on the socket 20 29-Dec-2014 14:34:41 servo readangles

Size of Struct is ##### 1126

Size of Response Struct is ##### 2192

SEQ number is 20

Timestamp is 29-Dec-2014 14:34:41

System name is servo

Response code is 1

Response type is 1

Command Received

Command Received

Writing IMMEDIATE to ONLINE from SERVO THREAD SUCCESSFUL

Size of Response Struct is ##### 2192

SEQ number is 20

Timestamp is 29-Dec-2014 14:34:41

System name is servo

Response code is 4

Response type is 1

Servo Angles Data

time

14:41:29

az_cp

+100:08:10

az_tp
+100:00:00
el_cp
+045:00:00
el_tp
+045:00:00
Writing FINAL RESPONSE to ONLINE from SERVO THREAD SUCCESSFUL

C01 servo track

CMD[0] => C01
CMD[1] => servo
CMD[2] => track
Command for C01 ANTENNA
ANTENNA C01 C01
System servo
OP NAME track
***** track
Element in Command Queue servo
we wrote on the socket 11 servo track
ax B
time 16:00:00
ang1 115:00:00
ang2 90:00:00
Size of Struct is ##### 1126
INSERTING in Command Queue servo

>> we wrote on the socket 11 29-Dec-2014 14:35:20 servo track
ax B
time 16:00:00
ang1 115:00:00
ang2 90:00:00
Size of Struct is ##### 1126
Size of Response Struct is ##### 2192
SEQ number is 11
Timestamp is 29-Dec-2014 14:35:20
System name is servo
Response code is 1
Response type is 1
Command Received
Command Received
Writing IMMEDIATE to ONLINE from SERVO THREAD SUCCESSFUL
Size of Response Struct is ##### 2192
SEQ number is 11
Timestamp is 29-Dec-2014 14:35:20
System name is servo

Response code is 2
Response type is 1
Servo Final Resp: Command SUCCESS
Servo Final Resp: Command SUCCESS
Writing FINAL RESPONSE to ONLINE from SERVO THREAD SUCCESSFUL

C01 servo readanavar

CMD[0] => C01
CMD[1] => servo
CMD[2] => readanavar
Command for C01 ANTENNA
ANTENNA C01 C01
System servo
OP NAME readanavar
readanavar
Element in Command Queue servo
we wrote on the socket 21 servo readanavar
Size of Struct is ##### 1126
INSERTING in Command Queue servo

>> we wrote on the socket 21 29-Dec-2014 14:35:41 servo readanavar
Size of Struct is ##### 1126
Size of Response Struct is ##### 2192
SEQ number is 21
Timestamp is 29-Dec-2014 14:35:41
System name is servo
Response code is 1
Response type is 1
Command Received
Command Received
Writing IMMEDIATE to ONLINE from SERVO THREAD SUCCESSFUL
Size of Response Struct is ##### 2192
SEQ number is 21
Timestamp is 29-Dec-2014 14:35:41
System name is servo
Response code is 4
Response type is 1
Servo Analog Data
time
14:42:29
az_motor1_current
+0001.2695
az_motor2_current
+0002.2460
az_tacho1

+0004.8808
az_tacho2
+0002.5839
el_motor1_current
+0000.2929
el_motor2_current
-0002.9296
el_tacho1
+0012.6328
el_tacho2
-0007.1777
Writing FINAL RESPONSE to ONLINE from SERVO THREAD SUCCESSFUL

C01 servo readdigvar

CMD[0] => C01
CMD[1] => servo
CMD[2] => readdigvar
Command for C01 ANTENNA
ANTENNA C01 C01
System servo
OP NAME readdigvar
readdigvar
Element in Command Queue servo
we wrote on the socket 22 servo readdigvar
Size of Struct is ##### 1126
INSERTING in Command Queue servo

>> we wrote on the socket 22 29-Dec-2014 14:36:42 servo readdigvar
Size of Struct is ##### 1126
Size of Response Struct is ##### 2192
SEQ number is 22
Timestamp is 29-Dec-2014 14:36:42
System name is servo
Response code is 1
Response type is 1
Command Received
Command Received
Writing IMMEDIATE to ONLINE from SERVO THREAD SUCCESSFUL
Size of Response Struct is ##### 2192
SEQ number is 22
Timestamp is 29-Dec-2014 14:36:42
System name is servo
Response code is 4
Response type is 1
Servo Digital Status

time
14:43:29
az_run
1
az_aol
0
az_brk
0
az_ccp
0
az_ccf
0
az_cpl
0
az_cfl
0
az_cwr
1
az_enc
0
az_ac
1
el_run
1
el_aol
0
el_brk
0
el_dnp
0
el_dnf
0
el_upp
0
el_upf
0
el_std
0
el_str
1
el_stp
0
el_enc
0
el_ac

1
mode
REMOTE
w50
0
w80
0
pos

trk
TRACKING
slw

ssc
1
dc
0

Writing FINAL RESPONSE to ONLINE from SERVO THREAD SUCCESSFUL

>> **C01 servo readantstatus**

CMD[0] => C01
CMD[1] => servo
CMD[2] => readantstatus
Command for C01 ANTENNA
ANTENNA C01 C01
System servo
OP NAME readantstatus

readantstatus
Element in Command Queue servo
we wrote on the socket 24 servo readantstatus
Size of Struct is ##### 1126
INSERTING in Command Queue servo

>> we wrote on the socket 24 29-Dec-2014 14:39:21 servo readantstatus
Size of Struct is ##### 1126
Size of Response Struct is ##### 2192
SEQ number is 24
Timestamp is 29-Dec-2014 14:39:21
System name is servo
Response code is 1
Response type is 1
Command Received
Command Received
Writing IMMEDIATE to ONLINE from SERVO THREAD SUCCESSFUL
Size of Response Struct is ##### 2192

SEQ number is 24
Timestamp is 29-Dec-2014 14:39:21
System name is servo
Response code is 4
Response type is 1
Servo Antenna State
time
14:46:08
az_state
Tracking
el_state
Tracking
Writing FINAL RESPONSE to ONLINE from SERVO THREAD SUCCESSFUL

C01 servo abort

CMD[0] => C01
CMD[1] => servo
CMD[2] => abort
Command for C01 ANTENNA
ANTENNA C01 C01
System servo
OP NAME abort
abort
Element in Command Queue servo
we wrote on the socket 18 servo abort
Size of Struct is ##### 1126
INSERTING in Command Queue servo

>> we wrote on the socket 18 29-Dec-2014 14:40:17 servo abort
Size of Struct is ##### 1126
Size of Response Struct is ##### 2192
SEQ number is 18
Timestamp is 29-Dec-2014 14:40:17
System name is servo
Response code is 1
Response type is 1
Command Received
Command Received
Writing IMMEDIATE to ONLINE from SERVO THREAD SUCCESSFUL
Size of Response Struct is ##### 2192
SEQ number is 18
Timestamp is 29-Dec-2014 14:40:17
System name is servo
Response code is 2
Response type is 1

Servo Final Resp: Command SUCCESS
Servo Final Resp: Command SUCCESS
Writing FINAL RESPONSE to ONLINE from SERVO THREAD SUCCESSFUL

C01 servo readantstatus

CMD[0] => C01
CMD[1] => servo
CMD[2] => readantstatus
Command for C01 ANTENNA
ANTENNA C01 C01
System servo
OP NAME readantstatus
readantstatus
Element in Command Queue servo
we wrote on the socket 24 servo readantstatus
Size of Struct is ##### 1126
INSERTING in Command Queue servo

>> we wrote on the socket 24 29-Dec-2014 14:40:35 servo readantstatus
Size of Struct is ##### 1126
Size of Response Struct is ##### 2192
SEQ number is 24
Timestamp is 29-Dec-2014 14:40:35
System name is servo
Response code is 1
Response type is 1
Command Received
Command Received
Writing IMMEDIATE to ONLINE from SERVO THREAD SUCCESSFUL
Size of Response Struct is ##### 2192
SEQ number is 24
Timestamp is 29-Dec-2014 14:40:35
System name is servo
Response code is 4
Response type is 1
Servo Antenna State
time
14:47:23
az_state
Positiong
el_state
Positiong
Writing FINAL RESPONSE to ONLINE from SERVO THREAD SUCCESSFUL

C01 servo stop

```
CMD[0] => C01
CMD[1] => servo
CMD[2] => stop
Command for C01 ANTENNA
ANTENNA C01 C01
System servo
OP NAME stop
***** stop
##### Element in Command Queue servo
we wrote on the socket 14 servo stop
ax B
Size of Struct is ##### 1126
INSERTING in Command Queue servo

>> we wrote on the socket 14 29-Dec-2014 14:40:58 servo stop
ax B
Size of Struct is ##### 1126
Size of Response Struct is ##### 2192
SEQ number is 14
Timestamp is 29-Dec-2014 14:40:58
System name is servo
Response code is 1
Response type is 1
Command Received
Command Received
Writing IMMEDIATE to ONLINE from SERVO THREAD SUCCESSFUL
Size of Response Struct is ##### 2192
SEQ number is 14
Timestamp is 29-Dec-2014 14:40:58
System name is servo
Response code is 2
Response type is 1
Servo Final Resp: Command SUCCESS
Servo Final Resp: Command SUCCESS
Writing FINAL RESPONSE to ONLINE from SERVO THREAD SUCCESSFUL
```

C01 servo readdigvar

```
CMD[0] => C01
CMD[1] => servo
CMD[2] => readdigvar
Command for C01 ANTENNA
ANTENNA C01 C01
```

System servo

OP NAME readdigvar

readdigvar

Element in Command Queue servo

we wrote on the socket 22 servo readdigvar

Size of Struct is ##### 1126

INSERTING in Command Queue servo

>> we wrote on the socket 22 29-Dec-2014 14:41:16 servo readdigvar

Size of Struct is ##### 1126

Size of Response Struct is ##### 2192

SEQ number is 22

Timestamp is 29-Dec-2014 14:41:16

System name is servo

Response code is 1

Response type is 1

Command Received

Command Received

Writing IMMEDIATE to ONLINE from SERVO THREAD SUCCESSFUL

Size of Response Struct is ##### 2192

SEQ number is 22

Timestamp is 29-Dec-2014 14:41:16

System name is servo

Response code is 4

Response type is 1

Servo Digital Status

time

14:48:04

az_run

0

az_aol

0

az_brk

1

az_ccp

0

az_ccf

0

az_cpl

0

az_cfl

0

az_cwr

1

az_enc

0

az_ac

1

el_run

0

el_aol

0

el_brk

1

el_dnp

0

el_dnf

0

el_upp

0

el_upf

0

el_std

0

el_str

1

el_stp

0

el_enc

0

el_ac

1

mode

REMOTE

w50

0

w80

0

pos

trk

slw

ssc

1

dc

0

Writing FINAL RESPONSE to ONLINE from SERVO THREAD SUCCESSFUL