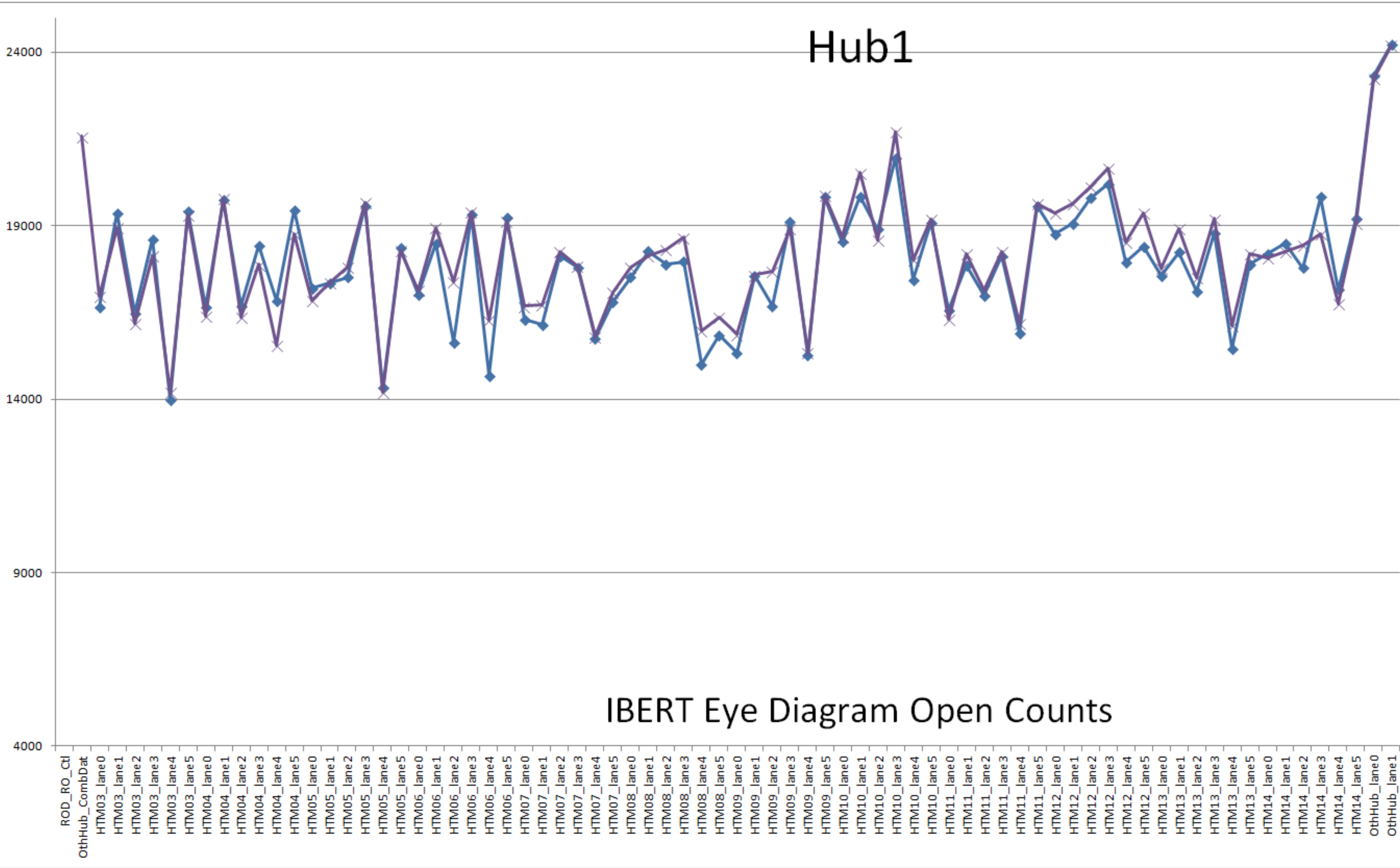


Hub1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Nov:
each Hub Clock local Osc
Dec & Jan :
All Clocks locked to **GBT**



- O HUB1 02:03-Nov-2018_avg noDFE&EqOFF
- O HUB1 22:23-Dec-2018_avg noDFE&EqOFF
- O
- O
- O
- O
- O

Hub1 & Hub2: SN05
FW:IBERT+IPbus(+GBT)
rev : misc

ROD1 & ROD2: SN00
FWIBERT 03/05-Aug-2017

HTM3-14: Nov
S/N 9,6,1,7,4,8,
5,11,10,12,3,13

HTM3-14: Dec & Jan
S/N 5,17,1,11,4,12,
3,13,10,6,9,8

i.e. HTM 5,7,11
same for both
FW:IBERT+IPbus
rev 07-Sep-2018

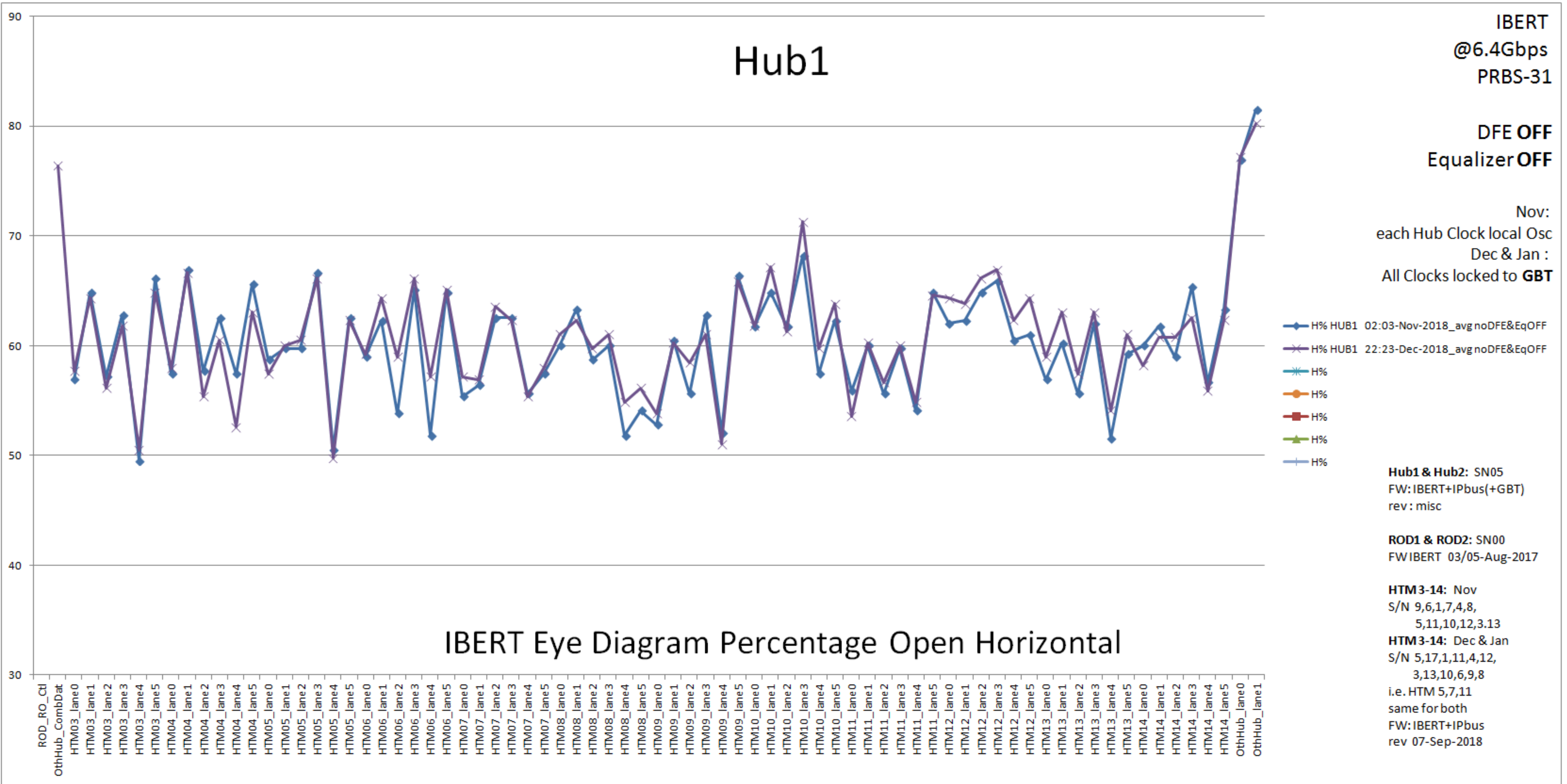
IBERT Eye Diagram Open Counts

Hub1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Nov:
each Hub Clock local Osc
Dec & Jan :
All Clocks locked to GBT



IBERT Eye Diagram Percentage Open Horizontal

Hub1 & Hub2: SN05
FW: IBERT+IPbus(+GBT)
rev : misc

ROD1 & ROD2: SN00
FW: IBERT 03/05-Aug-2017

HTM3-14: Nov
S/N 9,6,1,7,4,8,
5,11,10,12,3,13

HTM3-14: Dec & Jan
S/N 5,17,1,11,4,12,
3,13,10,6,9,8

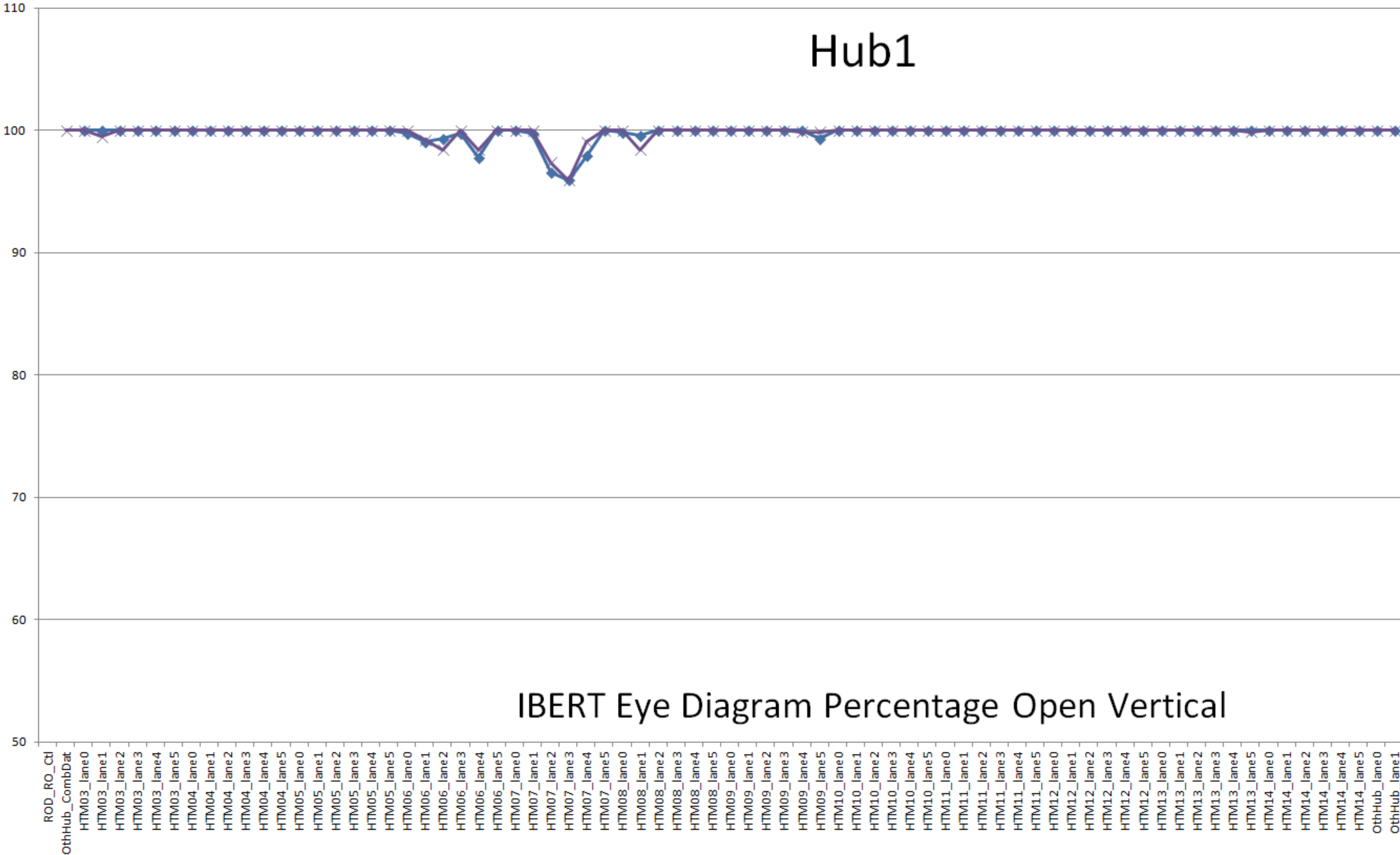
i.e. HTM 5,7,11
same for both
FW: IBERT+IPbus
rev 07-Sep-2018

Hub1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Nov:
each Hub Clock local Osc
Dec & Jan :
All Clocks locked to **GBT**



- V% HUB1 02:03-Nov-2018_avg noDFE&EqOFF
- V% HUB1 22:23-Dec-2018_avg noDFE&EqOFF
- V%
- V%
- V%
- V%
- V%

Hub1 & Hub2: SN05
FW: IBERT+IPbus(+GBT)
rev: misc

ROD1 & ROD2: SN00
FW: IBERT 03/05-Aug-2017

HTM3-14: Nov
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
HTM3-14: Dec & Jan
S/N 5,17,1,11,4,12,
3,13,10,6,9,8

i.e. HTM 5,7,11
same for both
FW: IBERT+IPbus
rev 07-Sep-2018

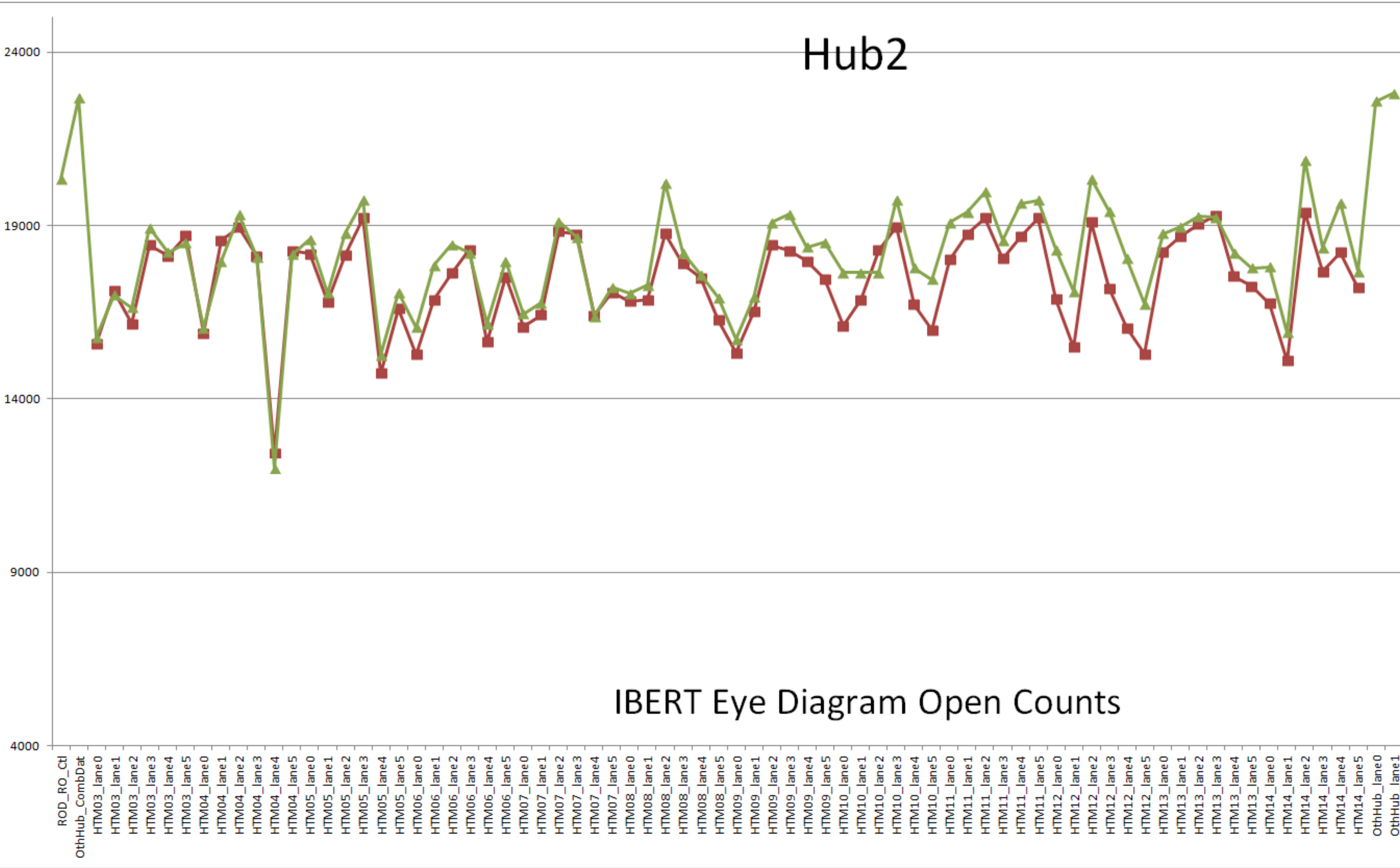
IBERT Eye Diagram Percentage Open Vertical

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Nov:
each Hub Clock local Osc
Dec & Jan :
All Clocks locked to **GBT**



- O HUB2 16:18-Nov-2018_avg noDFE&EqOFF
- O HUB2 03:04-Jan-2019_avg noDFE&EqOFF
- O
- O
- O
- O
- O

Hub1 & Hub2: SN05
FW:IBERT+IPbus(+GBT)
rev: misc

ROD1 & ROD2: SN00
FWIBERT 03/05-Aug-2017

HTM3-14: Nov
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
HTM3-14: Dec & Jan
S/N 5,17,1,11,4,12,
3,13,10,6,9,8

i.e. HTM 5,7,11
same for both
FW:IBERT+IPbus
rev 07-Sep-2018

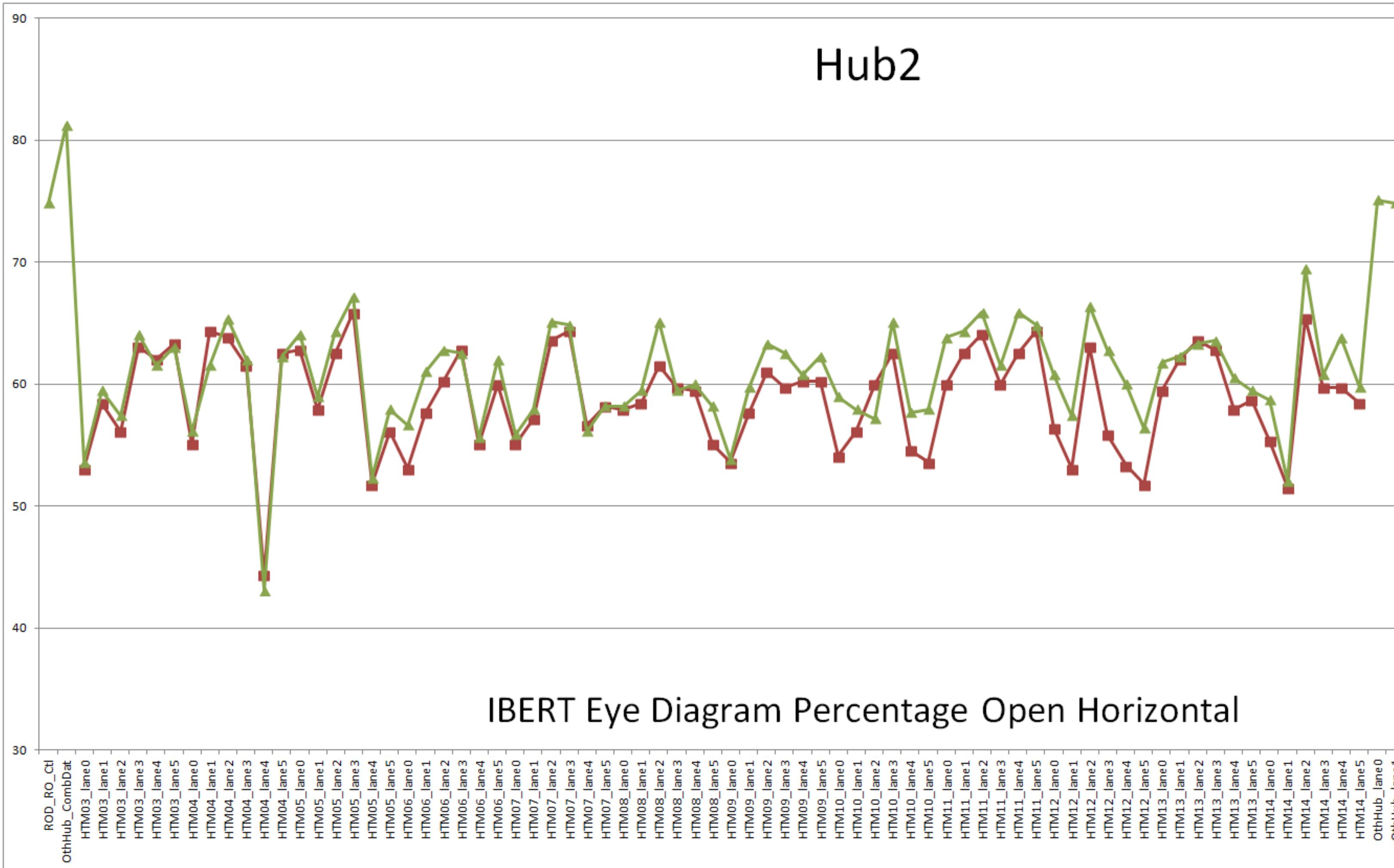
IBERT Eye Diagram Open Counts

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Nov:
each Hub Clock local Osc
Dec & Jan :
All Clocks locked to GBT



- H% HUB2 16:18-Nov-2018_avg noDFE&EqOFF
- ▲ H% HUB2 03:04-Jan-2019_avg noDFE&EqOFF
- + H%
- H%
- ◆ H%
- × H%
- ✦ H%

Hub1 & Hub2: SN05
FW:IBERT+IPbus(+GBT)
rev : misc

ROD1 & ROD2: SN00
FWIBERT 03/05-Aug-2017

HTM3-14: Nov
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
HTM3-14: Dec & Jan
S/N 5,17,1,11,4,12,
3,13,10,6,9,8

i.e. HTM 5,7,11
same for both
FW:IBERT+IPbus
rev 07-Sep-2018

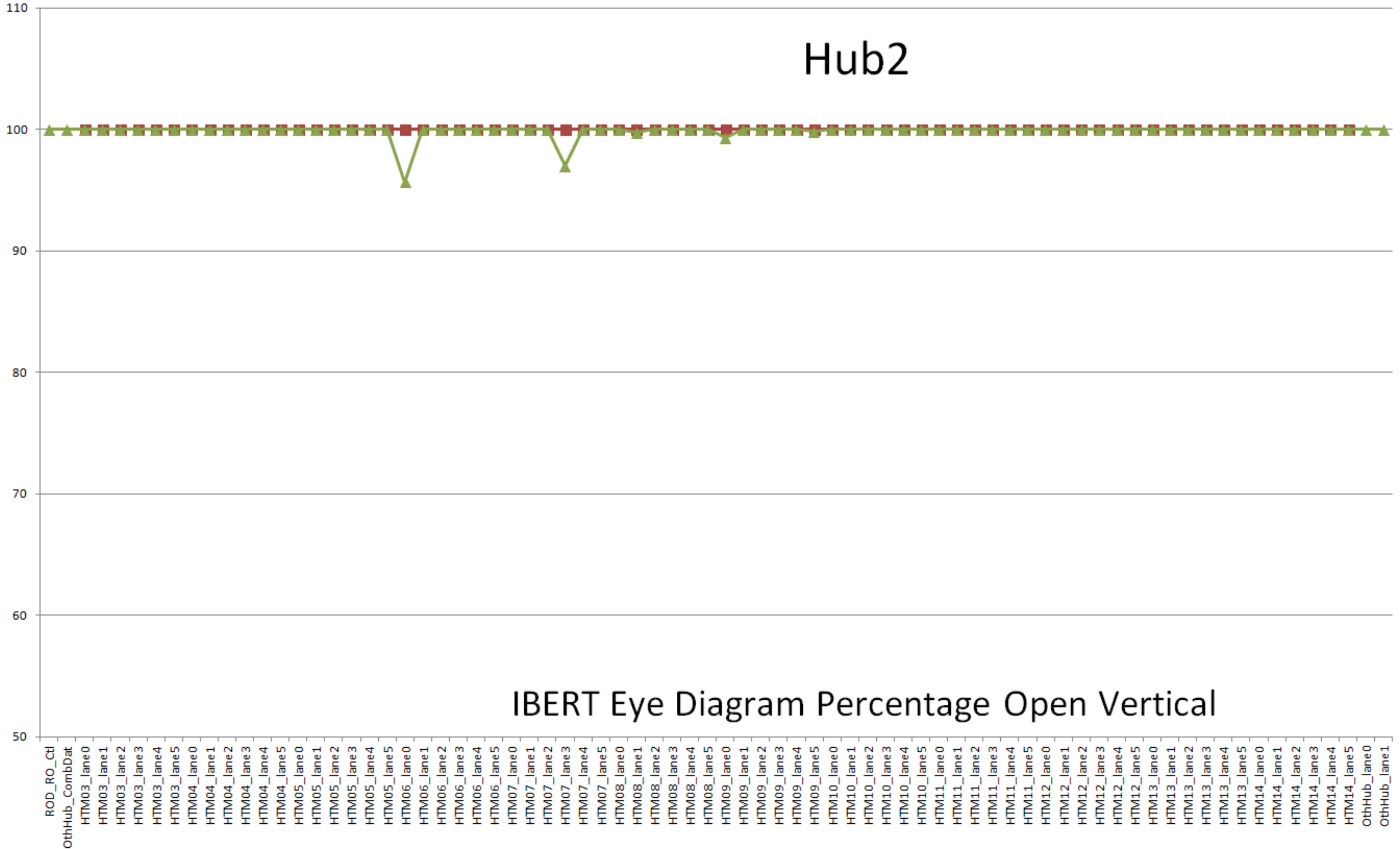
IBERT Eye Diagram Percentage Open Horizontal

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Nov:
each Hub Clock local Osc
Dec & Jan :
All Clocks locked to GBT



- V% HUB2 16:18-Nov-2018_avg noDFE&EqOFF
- ▲ V% HUB2 03:04-Jan-2019_avg noDFE&EqOFF
- + V%
- V%
- ◆ V%
- × V%
- * V%

Hub1 & Hub2: SN05
FW: IBERT+IPbus(+GBT)
rev: misc

ROD1 & ROD2: SN00
FW: IBERT 03/05-Aug-2017

HTM3-14: Nov
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
HTM3-14: Dec & Jan
S/N 5,17,1,11,4,12,
3,13,10,6,9,8

i.e. HTM 5,7,11
same for both
FW: IBERT+IPbus
rev 07-Sep-2018

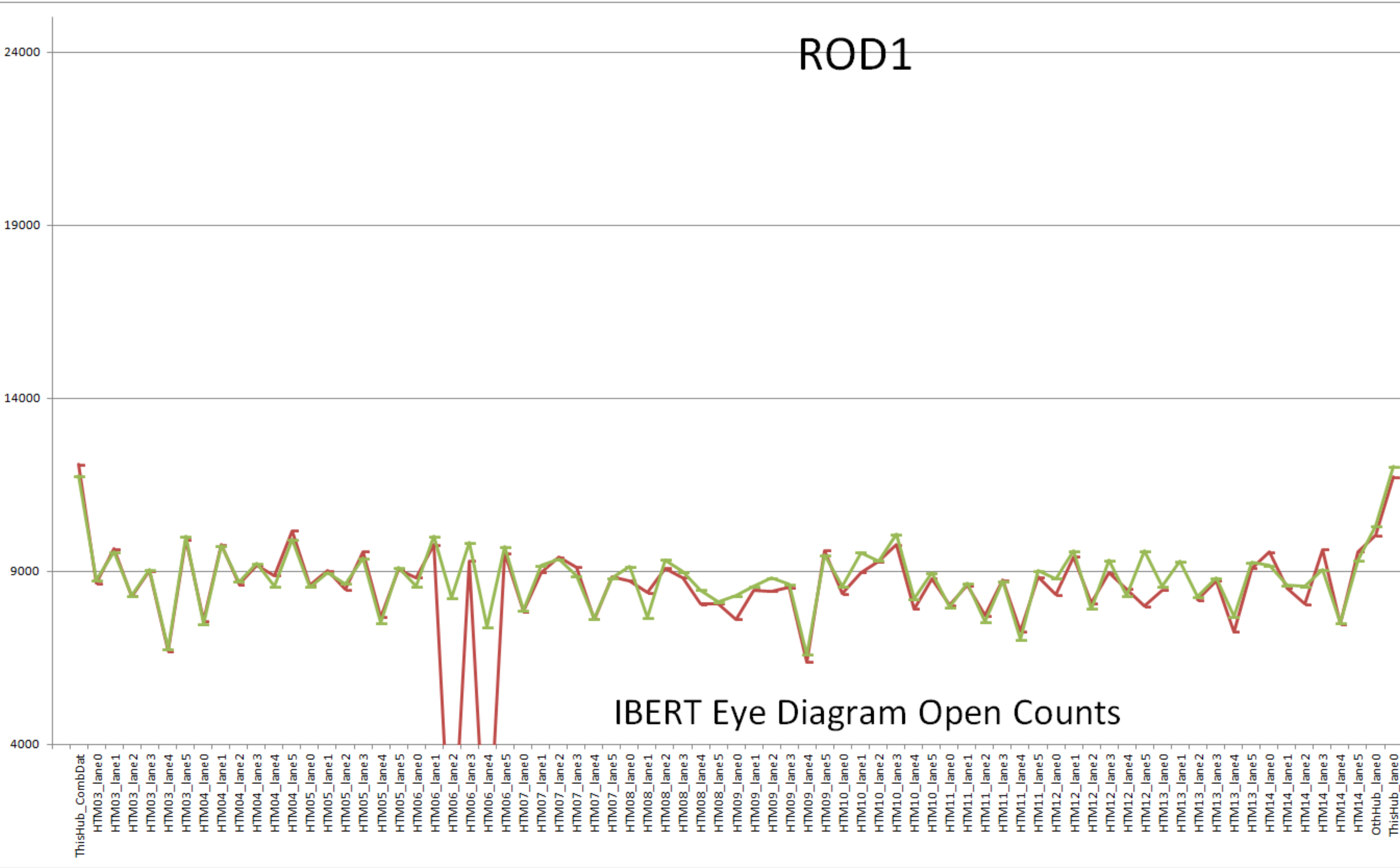
IBERT Eye Diagram Percentage Open Vertical

ROD1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Nov:
each Hub Clock local Osc
Dec & Jan :
All Clocks locked to **GBT**



IBERT Eye Diagram Open Counts

- O ROD1 02:03-Nov-2018_avg noDFE&EqOFF
- O ROD1 22:23-Dec-2018_avg noDFE&EqOFF
- O
- O
- O
- O
- O
- O

Hub1 & Hub2: SN05
FW: IBERT+IPbus(+GBT)
rev: misc

ROD1 & ROD2: SN00
FW: IBERT 03/05-Aug-2017

HTM3-14: Nov
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
HTM3-14: Dec & Jan
S/N 5,17,1,11,4,12,
3,13,10,6,9,8

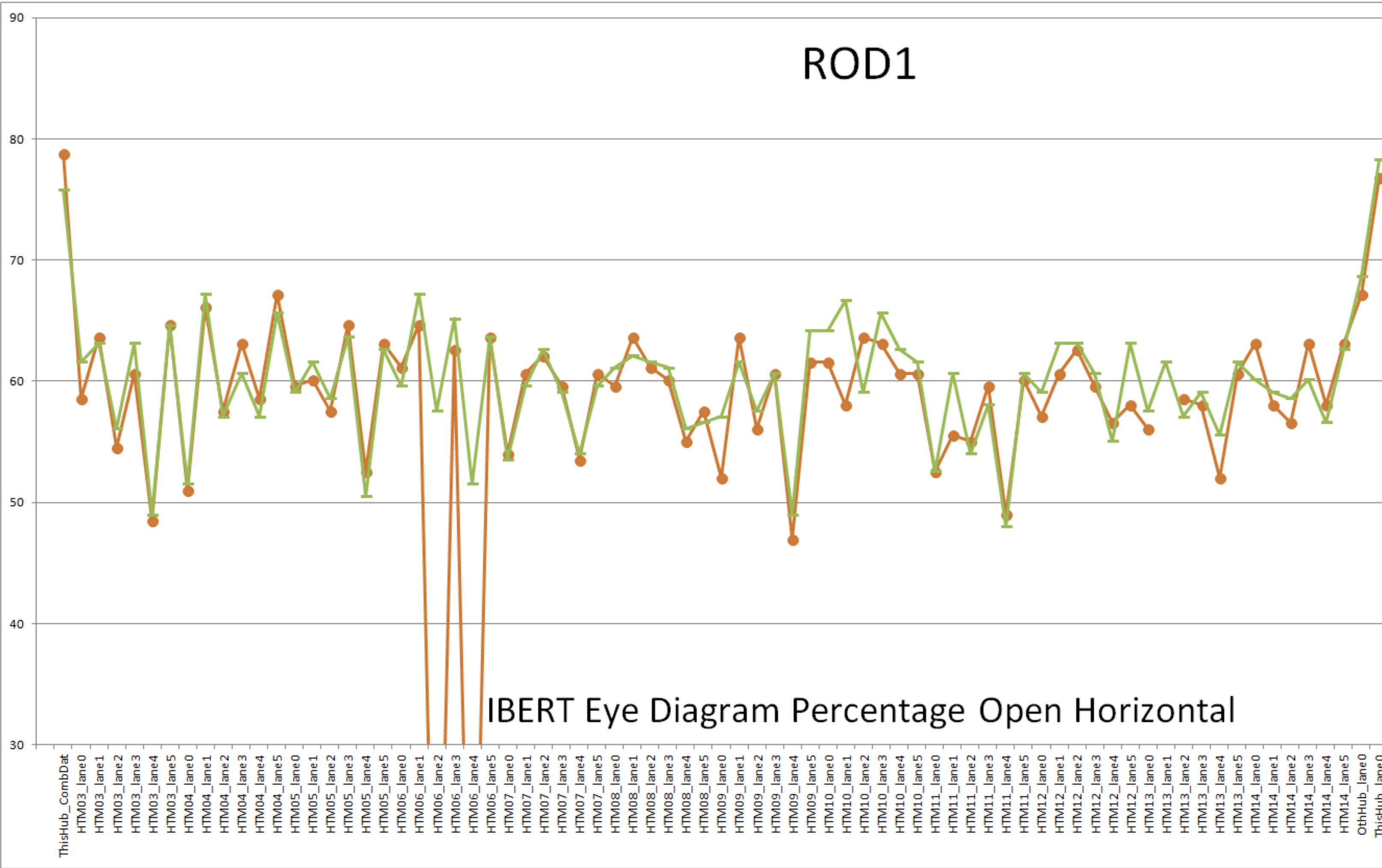
i.e. HTM 5,7,11
same for both
FW: IBERT+IPbus
rev 07-Sep-2018

ROD1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Nov:
each Hub Clock local Osc
Dec & Jan :
All Clocks locked to GBT



- H% ROD1 02:03-Nov-2018_avg noDFE&EqOFF
- ▲ H% ROD1 22:23-Dec-2018_avg noDFE&EqOFF
- ◆ H%
- H%
- ▲ H%
- × H%
- ✱ H%

Hub1 & Hub2: SN05
FW: IBERT+IPbus(+GBT)
rev : misc

ROD1 & ROD2: SN00
FW: IBERT 03/05-Aug-2017

HTM3-14: Nov
S/N 9,6,1,7,4,8,
5,11,10,12,3,13

HTM3-14: Dec & Jan
S/N 5,17,1,11,4,12,
3,13,10,6,9,8

i.e. HTM 5,7,11
same for both
FW: IBERT+IPbus
rev 07-Sep-2018

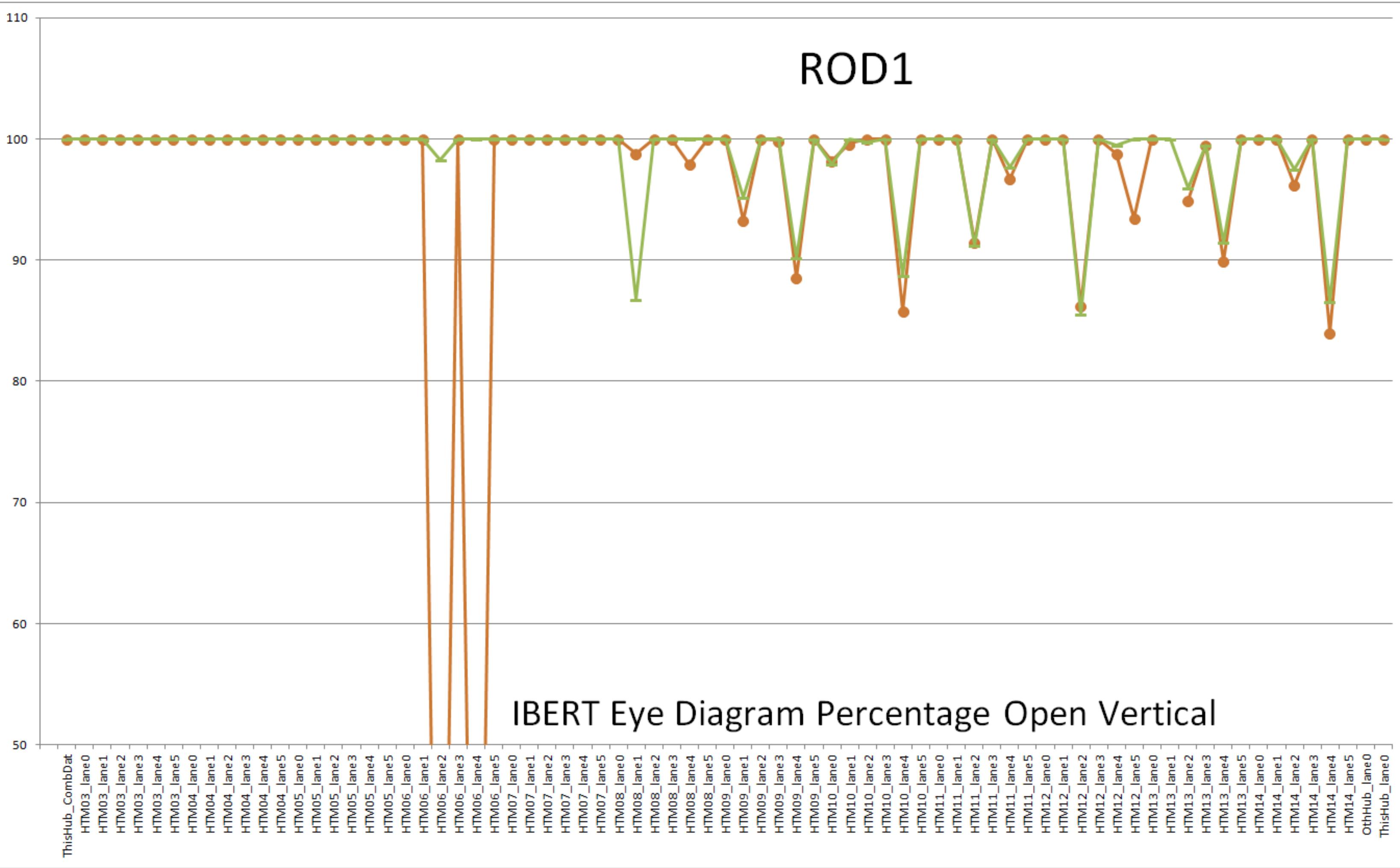
IBERT Eye Diagram Percentage Open Horizontal

ROD1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Nov:
each Hub Clock local Osc
Dec & Jan :
All Clocks locked to GBT



IBERT Eye Diagram Percentage Open Vertical

- V% ROD1 02:03-Nov-2018_avg noDFE&EqOFF
- V% ROD1 22:23-Dec-2018_avg noDFE&EqOFF
- V%
- V%
- ▲— V%
- ×— V%
- *— V%

Hub1 & Hub2: SN05
FW: IBERT+IPbus(+GBT)
rev: misc

ROD1 & ROD2: SN00
FW: IBERT 03/05-Aug-2017

HTM3-14: Nov
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
HTM3-14: Dec & Jan
S/N 5,17,1,11,4,12,
3,13,10,6,9,8

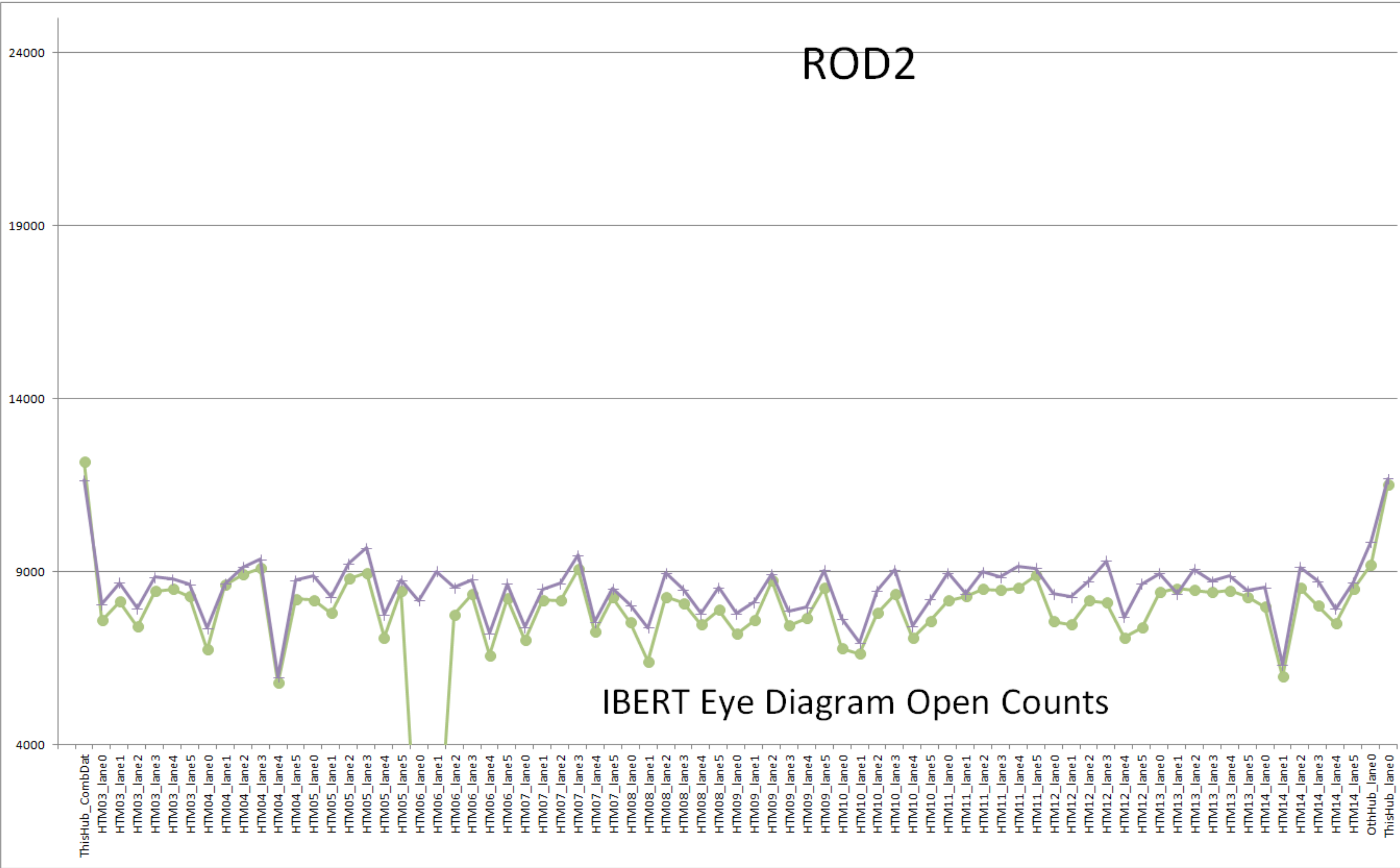
i.e. HTM 5,7,11
same for both
FW: IBERT+IPbus
rev 07-Sep-2018

ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Nov:
each Hub Clock local Osc
Dec & Jan :
All Clocks locked to **GBT**



- O ROD2 16:18-Nov-2018_avg noDFE&EqOFF
- O ROD2 03:04-Jan-2019_avg noDFE&EqOFF
- O
- O
- O
- O
- O
- O

Hub1 & Hub2: SN05
FW: IBERT+IPbus(+GBT)
rev: misc

ROD1 & ROD2: SN00
FW: IBERT 03/05-Aug-2017

HTM3-14: Nov
S/N 9,6,1,7,4,8,
5,11,10,12,3,13

HTM3-14: Dec & Jan
S/N 5,17,1,11,4,12,
3,13,10,6,9,8

i.e. HTM 5,7,11
same for both
FW: IBERT+IPbus
rev 07-Sep-2018

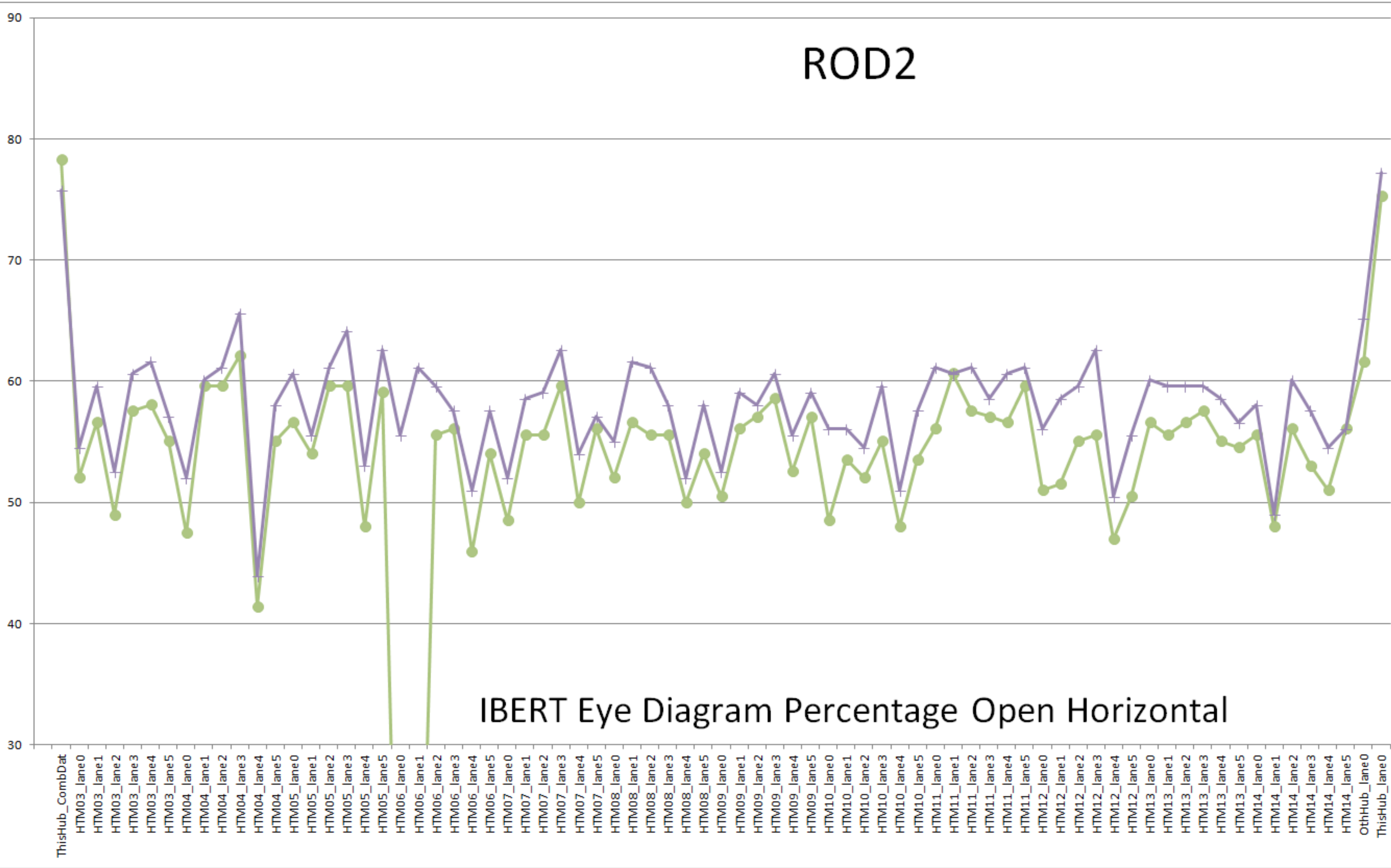
IBERT Eye Diagram Open Counts

ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Nov:
each Hub Clock local Osc
Dec & Jan :
All Clocks locked to **GBT**



IBERT Eye Diagram Percentage Open Horizontal

- H% ROD2 16:18-Nov-2018_avg noDFE&EqOFF
- H% ROD2 03:04-Jan-2019_avg noDFE&EqOFF
- H%
- H%
- H%
- H%
- H%

Hub1 & Hub2: SN05
FW:IBERT+IPbus(+GBT)
rev : misc

ROD1 & ROD2: SN00
FWIBERT 03/05-Aug-2017

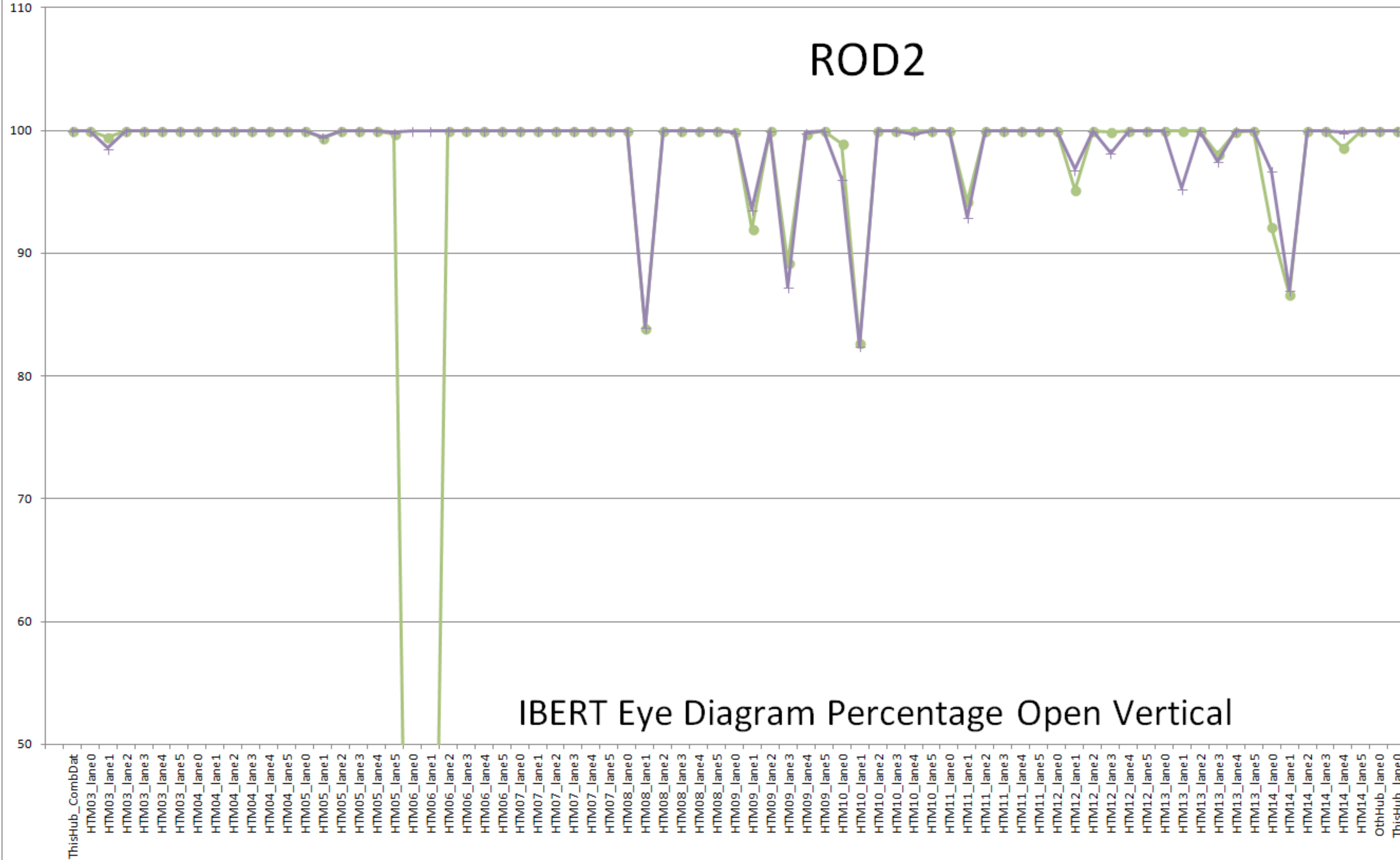
HTM3-14: Nov
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
HTM3-14: Dec & Jan
S/N 5,17,1,11,4,12,
3,13,10,6,9,8
i.e. HTM 5,7,11
same for both
FW:IBERT+IPbus
rev 07-Sep-2018

ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Nov:
each Hub Clock local Osc
Dec & Jan :
All Clocks locked to **GBT**



IBERT Eye Diagram Percentage Open Vertical

- V% ROD2 16:18-Nov-2018_avg noDFE&EqOFF
- ▲ V% ROD2 03:04-Jan-2019_avg noDFE&EqOFF
- V%
- V%
- V%
- V%
- V%

Hub1 & Hub2: SN05
FW: IBERT+IPbus(+GBT)
rev : misc

ROD1 & ROD2: SN00
FW: IBERT 03/05-Aug-2017

HTM3-14: Nov
S/N 9,6,1,7,4,8,
5,11,10,12,3,13

HTM3-14: Dec & Jan
S/N 5,17,1,11,4,12,
3,13,10,6,9,8

i.e. HTM 5,7,11
same for both
FW: IBERT+IPbus
rev 07-Sep-2018