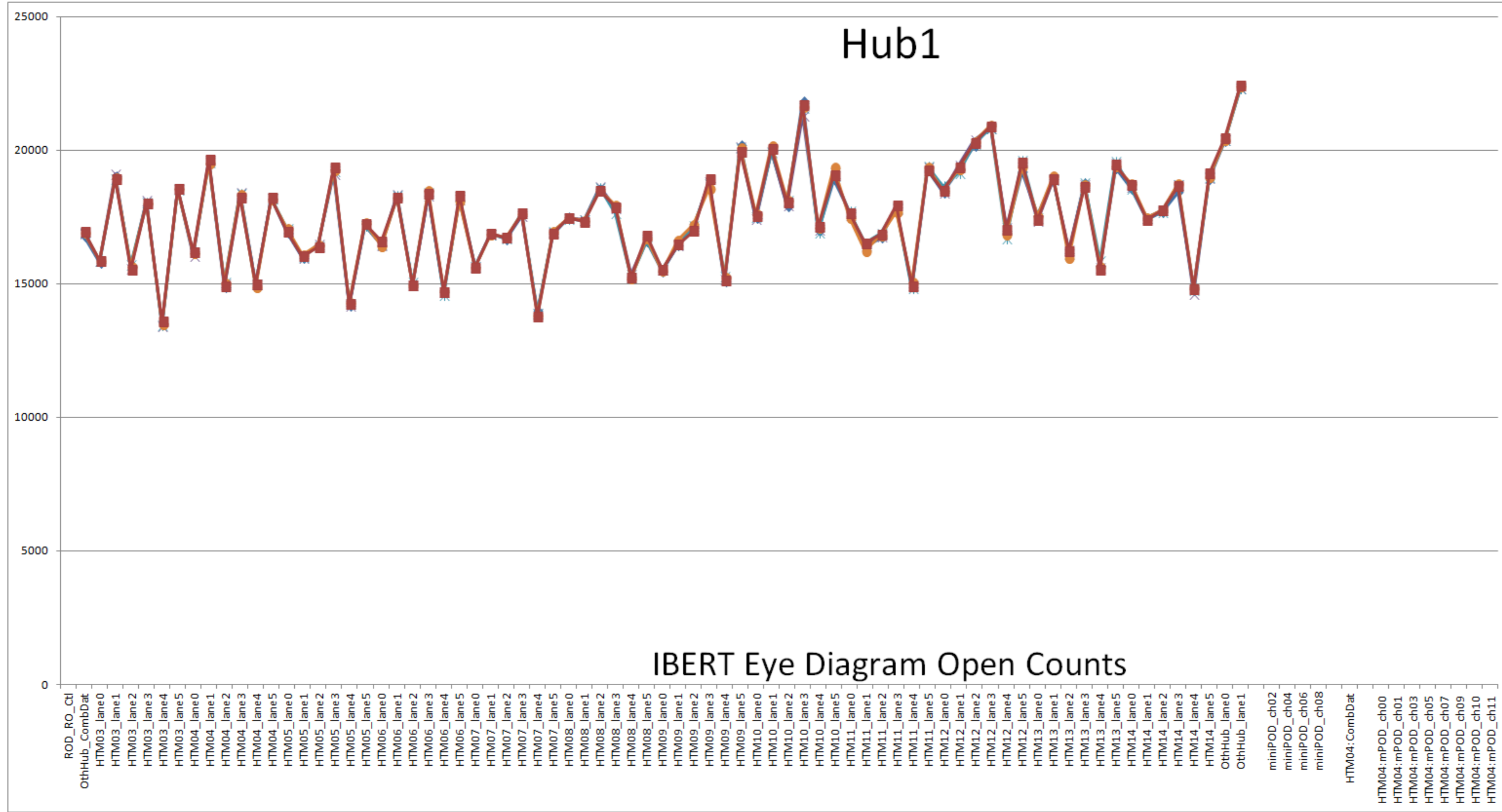


Hub1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Clock locked to GBT



- O HUB1 15-May-2019_a noDFE&EqOFF
- O HUB1 15-May-2019_b noDFE&EqOFF
- O HUB1 16-May-2019_a noDFE&EqOFF
- O HUB1 16-May-2019_b noDFE&EqOFF
- O HUB1 16-May-2019_c noDFE&EqOFF
- O
- O

Hub1: SN11
FW: IBERT+IPbus+GBT
Tempv3 19-Dec-2018

Hub2: SN05
FW: IBERT+IPbus
Testv2p2 14-Dec-2018

ROD2: SN00
FWIBERT 03/05-Aug-2017

HTM3-14:
S/N 5,17,1,11,4,12,
3,13,16,6,9,8
HTM 11 just replaced
FW: IBERT+IPbus
rev 07-Sep-2018

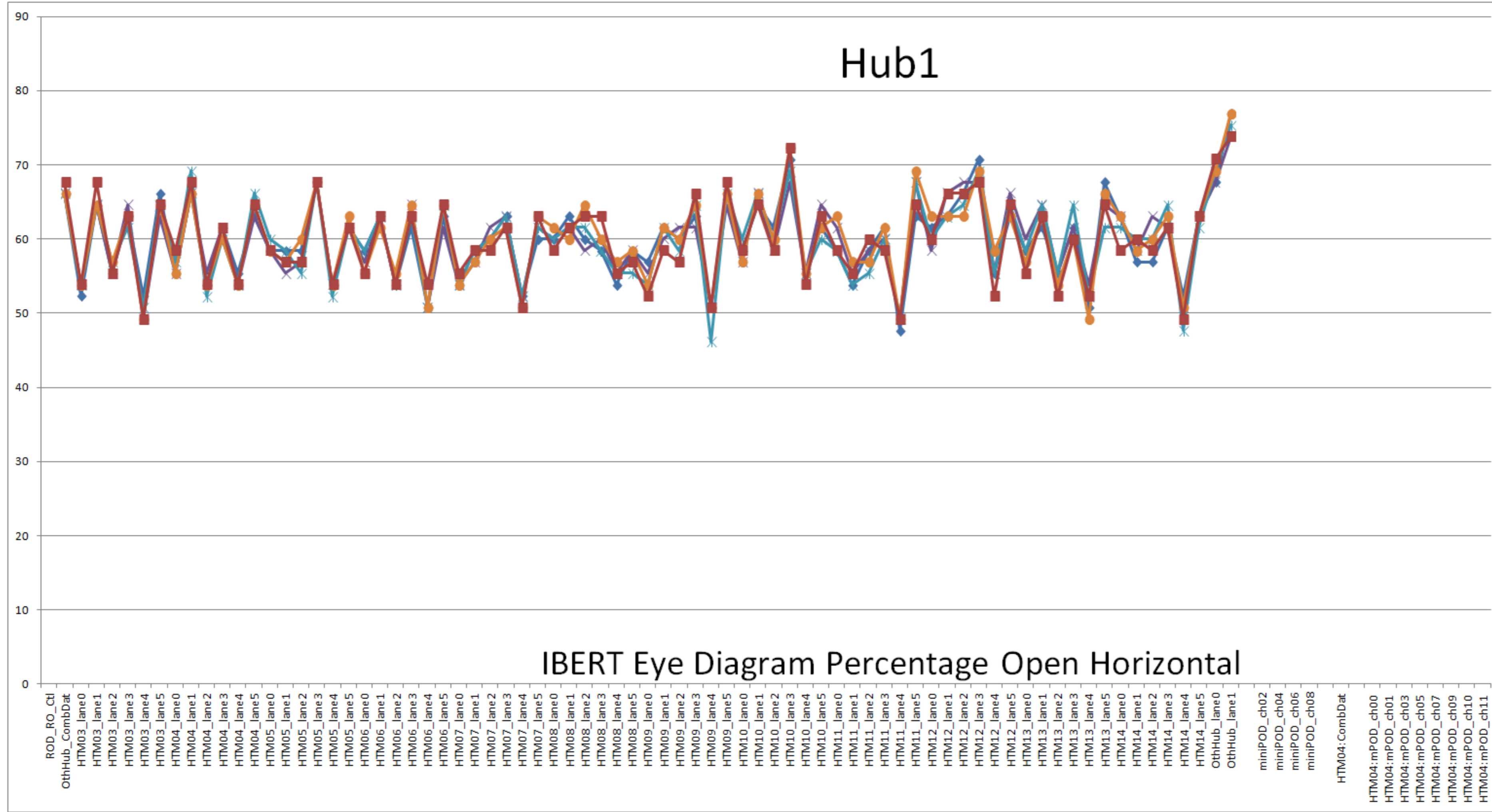
IBERT Eye Diagram Open Counts

Hub1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Clock locked to GBT



- H% HUB1 15-May-2019_a noDFE&EqOFF
- H% HUB1 15-May-2019_b noDFE&EqOFF
- H% HUB1 16-May-2019_a noDFE&EqOFF
- H% HUB1 16-May-2019_b noDFE&EqOFF
- H% HUB1 16-May-2019_c noDFE&EqOFF
- H%
- H%

Hub1: SN11
FW: IBERT+IPbus+GBT
Temp v3 19-Dec-2018

Hub2: SN05
FW: IBERT+IPbus
Test v2p2 14-Dec-2018

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

HTM3-14:
S/N 5,17,1,11,4,12,
3,13,16,6,9,8
HTM11 just replaced
FW: IBERT+IPbus
rev 07-Sep-2018

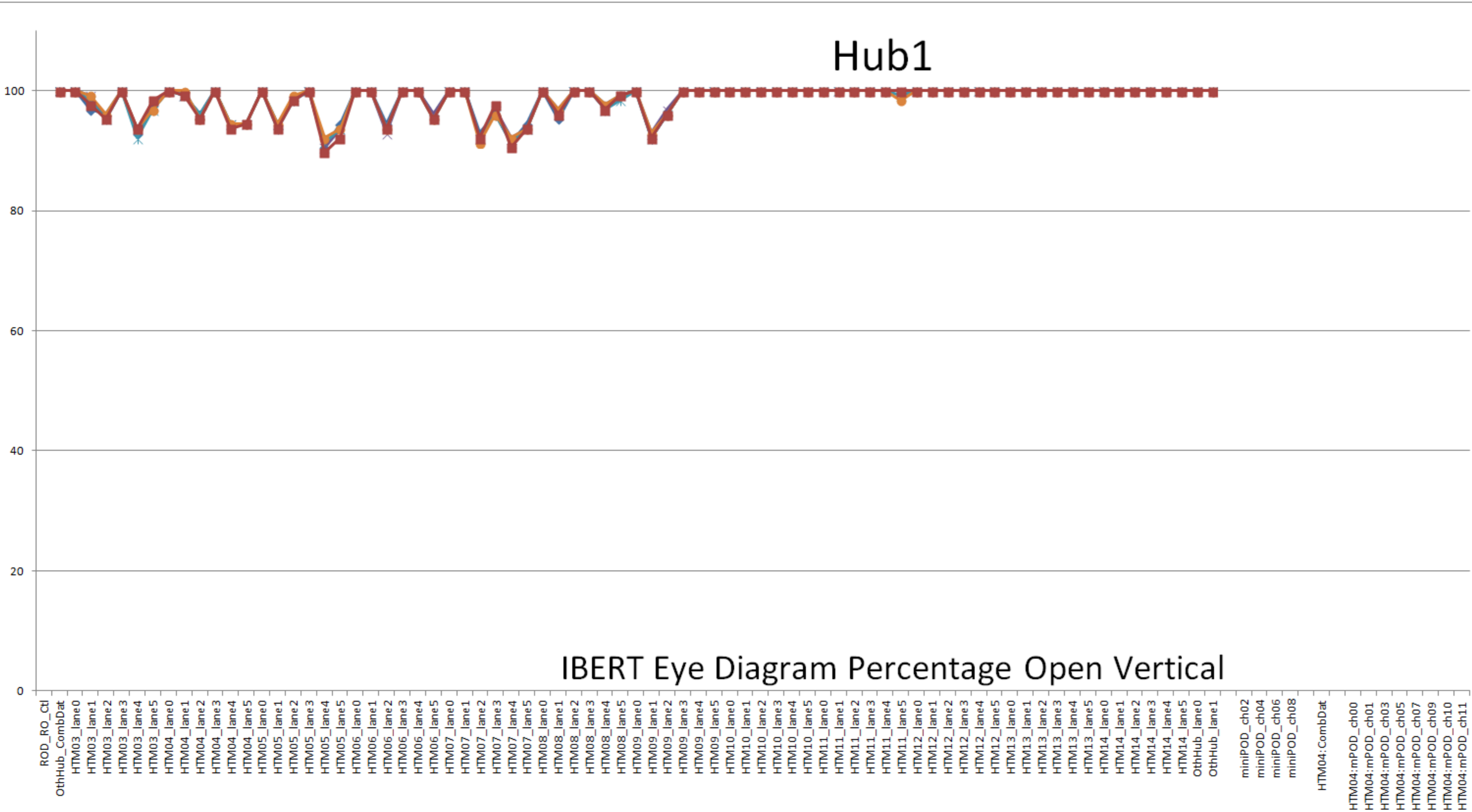
IBERT Eye Diagram Percentage Open Horizontal

Hub1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Clock locked to GBT



IBERT Eye Diagram Percentage Open Vertical

- V% HUB1 15-May-2019_a noDFE&EqOFF
- V% HUB1 15-May-2019_b noDFE&EqOFF
- V% HUB1 16-May-2019_a noDFE&EqOFF
- V% HUB1 16-May-2019_b noDFE&EqOFF
- V% HUB1 16-May-2019_c noDFE&EqOFF
- V%
- V%

Hub1: SN11
FW:IBERT+IPbus+GBT
Temp v3 19-Dec-2018

Hub2: SN05
FW:IBERT+IPbus
Test v2p2 14-Dec-2018
ROD2: SN00
FWIBERT 03/05-Aug-2017

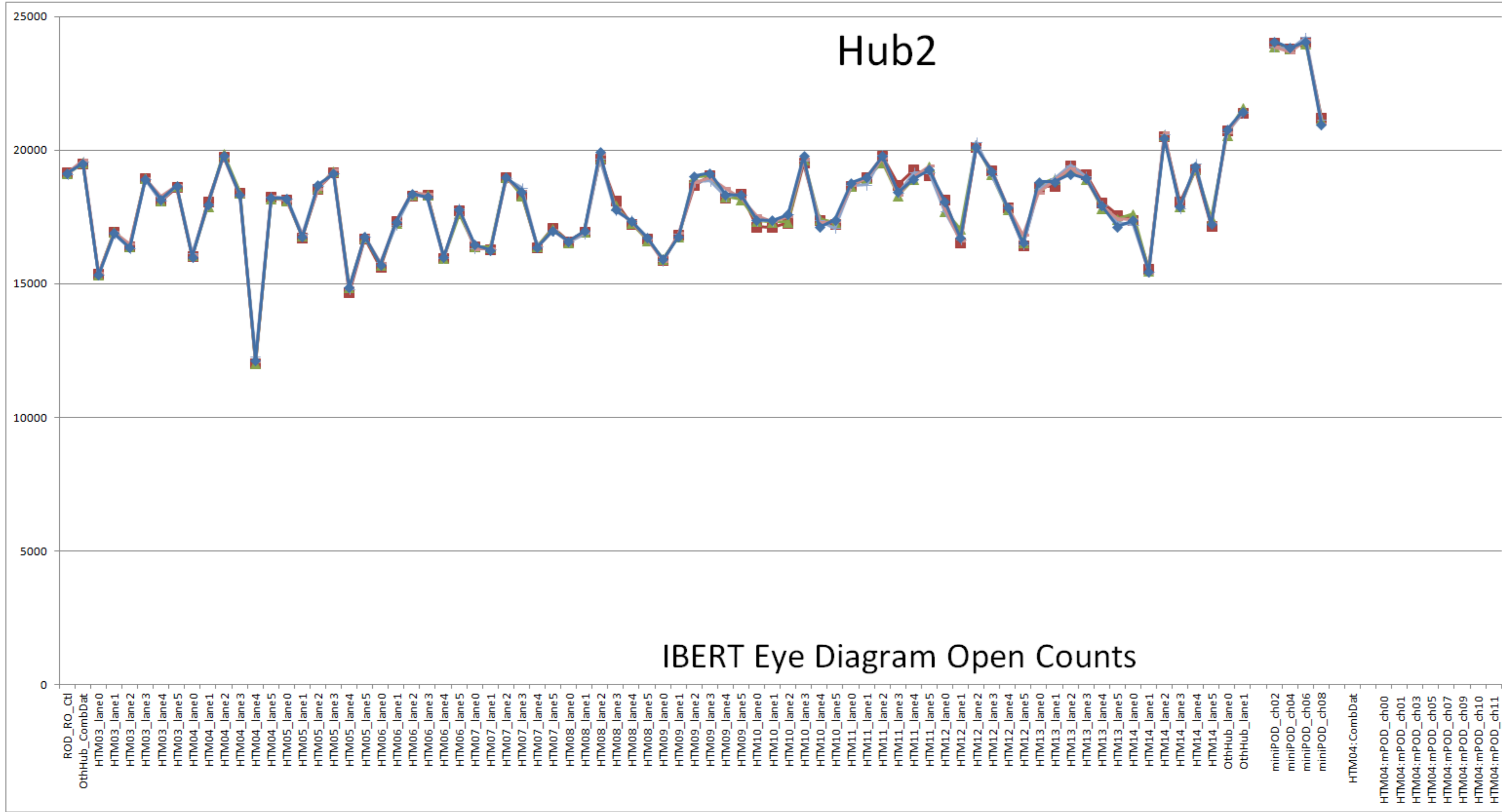
HTM3-14:
S/N 5,17,1,11,4,12,
3,13,16,6,9,8
HTM11 just replaced
FW:IBERT+IPbus
rev 07-Sep-2018

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Clock locked to GBT



- O HUB2 15-May-2019_a noDFE&EqOFF
- ▲ O HUB2 15-May-2019_b noDFE&EqOFF
- ◆ O HUB2 16-May-2019_a noDFE&EqOFF
- ◆ O HUB2 16-May-2019_b noDFE&EqOFF
- ◆ O HUB2 16-May-2019_c noDFE&EqOFF
- ✕ O
- ✕ O

Hub1: SN11
FW:IBERT+IPbus+GBT
Temp v3 19-Dec-2018

Hub2: SN05
FW:IBERT+IPbus
Test v2p2 14-Dec-2018

ROD2: SN00
FWIBERT 03/05-Aug-2017

HTM3-14:
S/N 5,17,1,11,4,12,
3,13,16,6,9,8
HTM11 just replaced
FW:IBERT+IPbus
rev 07-Sep-2018

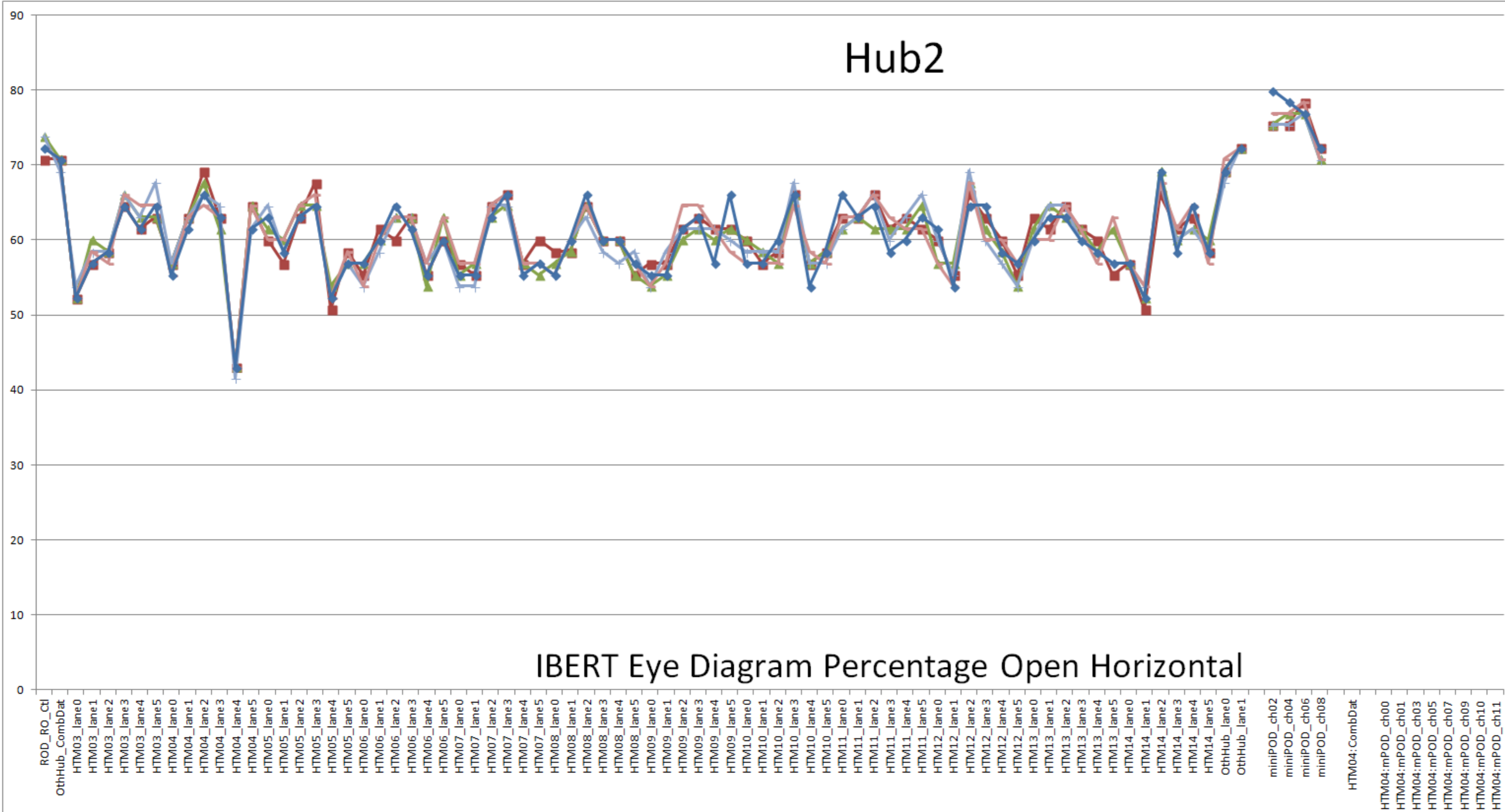
IBERT Eye Diagram Open Counts

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Clock locked to GBT



IBERT Eye Diagram Percentage Open Horizontal

Hub1: SN11
FW: IBERT+IPbus+GBT
Temp v3 19-Dec-2018

Hub2: SN05
FW: IBERT+IPbus
Test v2p2 14-Dec-2018

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

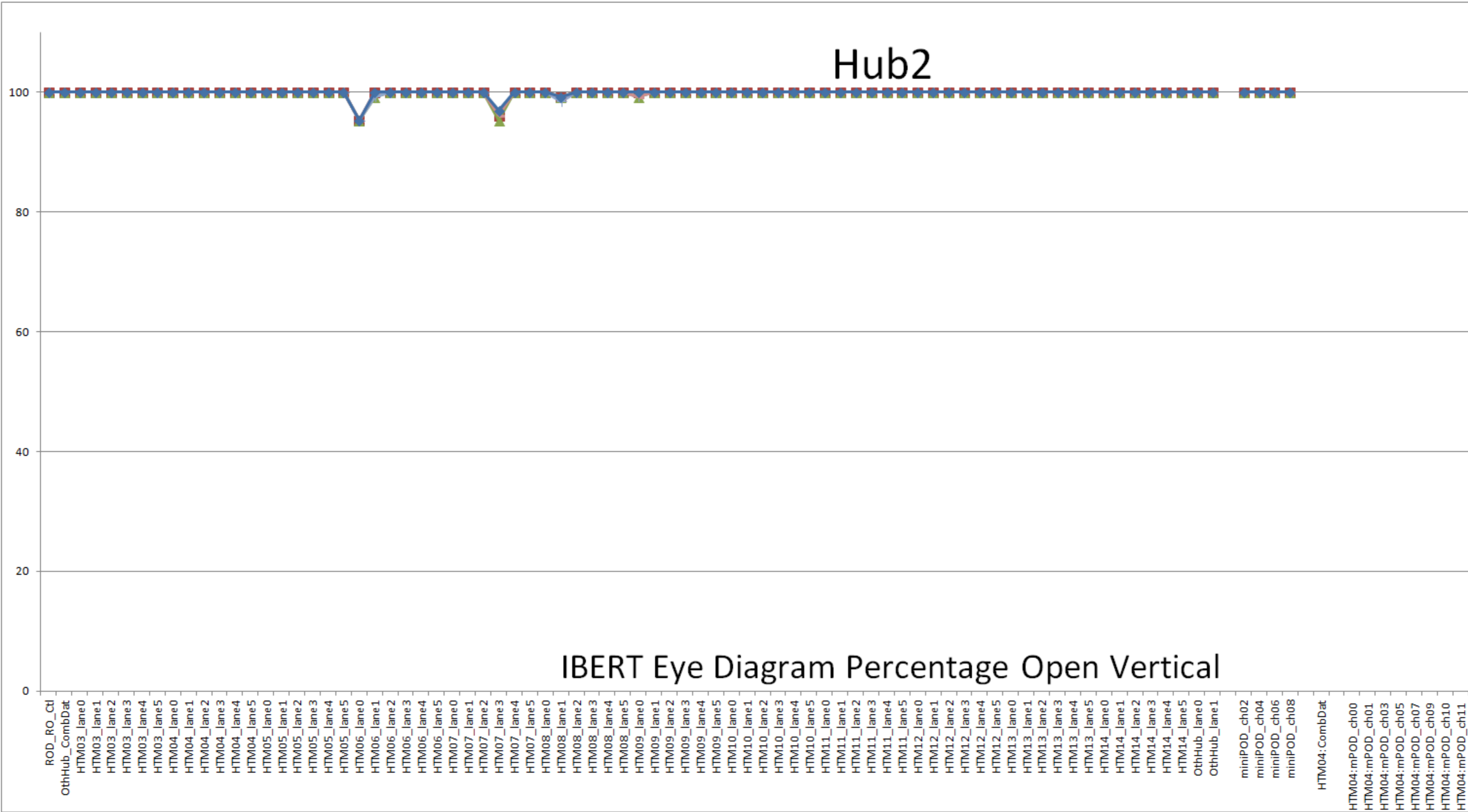
HTM3-14:
S/N 5,17,1,11,4,12,
3,13,16,6,9,8
HTM 11 just replaced
FW: IBERT+IPbus
rev 07-Sep-2018

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Clock locked to GBT



IBERT Eye Diagram Percentage Open Vertical

- V% HUB2 15-May-2019_a noDFE&EqOFF
- V% HUB2 15-May-2019_b noDFE&EqOFF
- V% HUB2 16-May-2019_a noDFE&EqOFF
- V% HUB2 16-May-2019_b noDFE&EqOFF
- V% HUB2 16-May-2019_c noDFE&EqOFF
- V%
- V%

Hub1: SN11
FW: IBERT+IPbus+GBT
Temp v3 19-Dec-2018

Hub2: SN05
FW: IBERT+IPbus
Test v2p2 14-Dec-2018

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

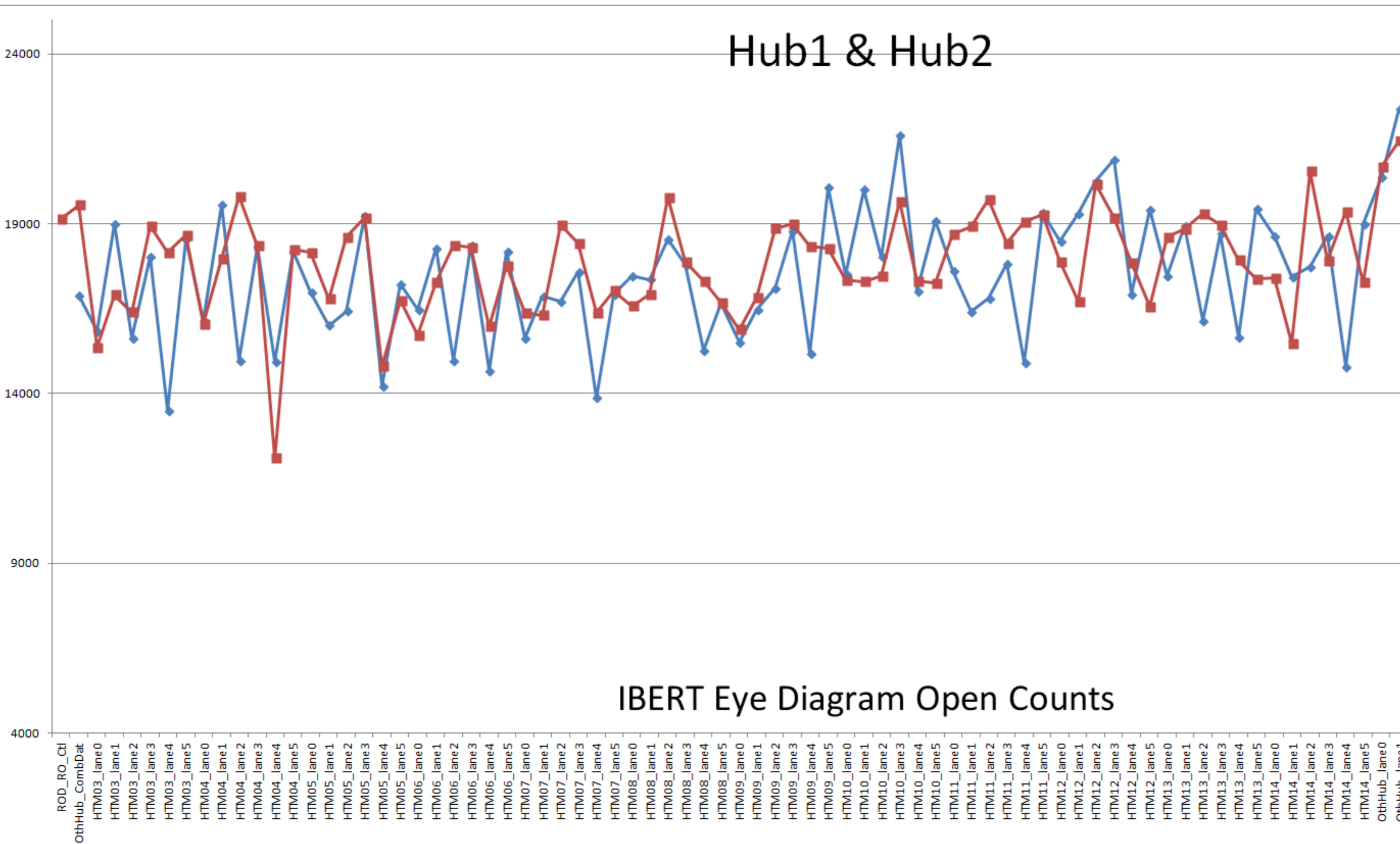
HTM3-14:
S/N 5,17,1,11,4,12,
3,13,16,6,9,8
HTM11 just replaced
FW: IBERT+IPbus
rev 07-Sep-2018

Hub1 & Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Clock locked to GBT



— O HUB1 15:16-May-2019_avg noDFE&EqOFF
— O HUB2 15:16-May-2019_avg noDFE&EqOFF

IBERT Eye Diagram Open Counts

Hub1: SN11
FW: IBERT+IPbus+GBT
Temp v3 19-Dec-2018

Hub2: SN05
FW: IBERT+IPbus
Test v2p2 14-Dec-2018

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

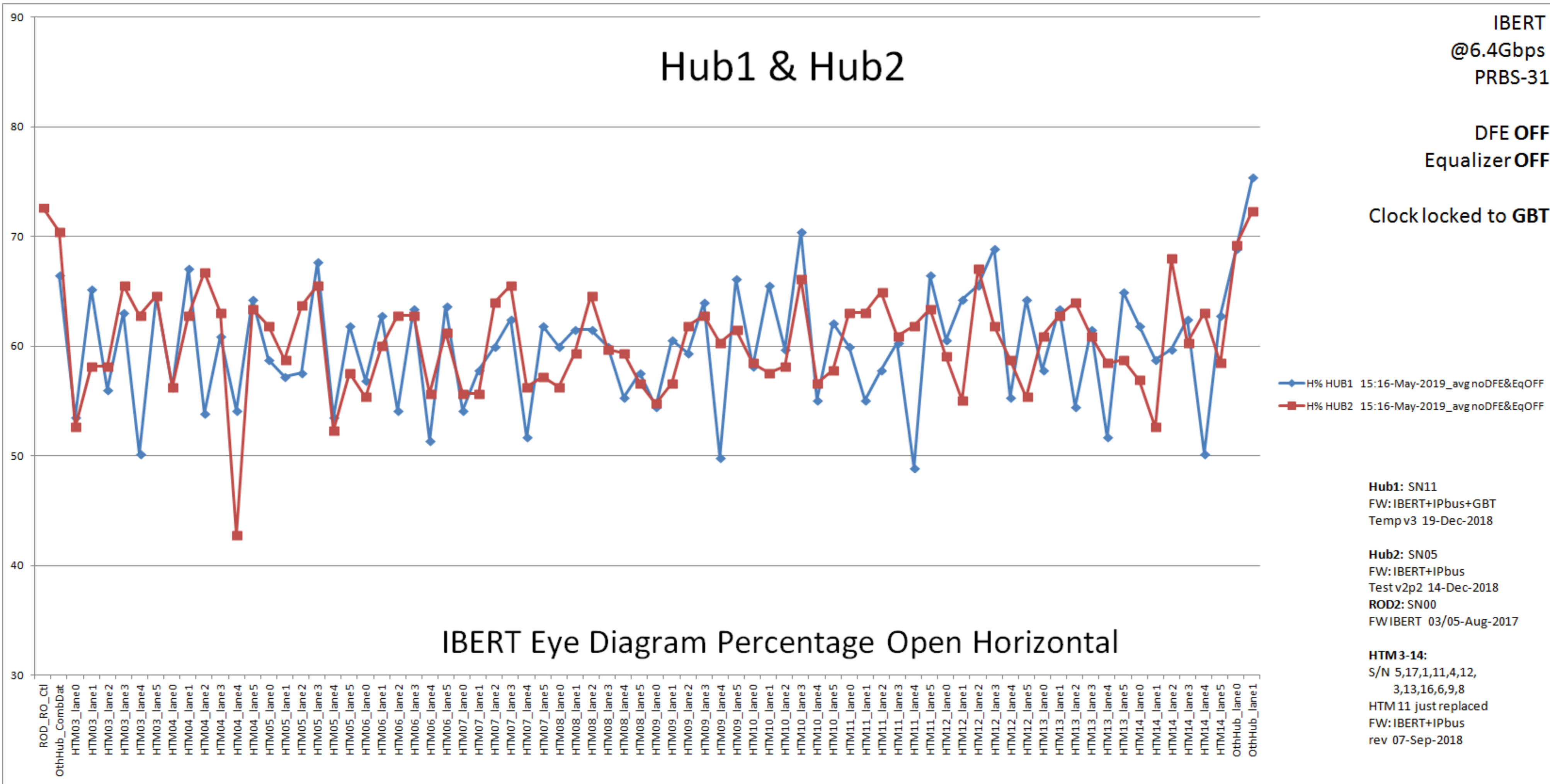
HTM3-14:
S/N 5,17,1,11,4,12,
3,13,16,6,9,8
HTM11 just replaced
FW: IBERT+IPbus
rev 07-Sep-2018

Hub1 & Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Clocklocked to GBT



IBERT Eye Diagram Percentage Open Horizontal

Hub1: SN11
FW: IBERT+IPbus+GBT
Tempv3 19-Dec-2018

Hub2: SN05
FW: IBERT+IPbus
Testv2p2 14-Dec-2018

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

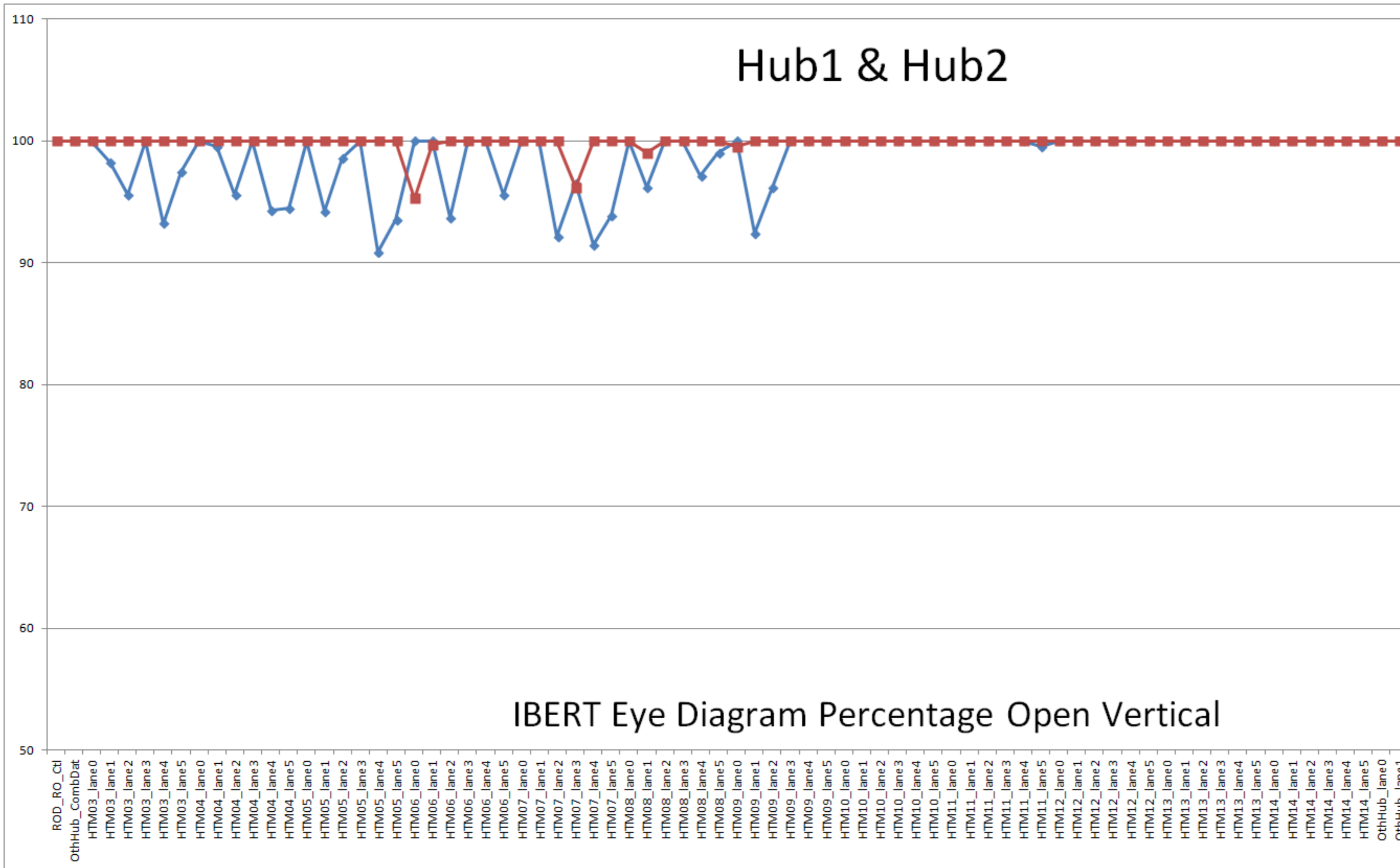
HTM3-14:
S/N 5,17,1,11,4,12,
3,13,16,6,9,8
HTM 11 just replaced
FW: IBERT+IPbus
rev 07-Sep-2018

Hub1 & Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Clock locked to GBT



◆ V% HUB1 15:16-May-2019_avg noDFE&EqOFF
■ V% HUB2 15:16-May-2019_avg noDFE&EqOFF

Hub1: SN11
 FW: IBERT+IPbus+GBT
 Temp v3 19-Dec-2018

Hub2: SN05
 FW: IBERT+IPbus
 Test v2p2 14-Dec-2018
ROD2: SN00
 FW IBERT 03/05-Aug-2017

HTM3-14:
 S/N 5,17,1,11,4,12,
 3,13,16,6,9,8
 HTM11 just replaced
 FW: IBERT+IPbus
 rev 07-Sep-2018

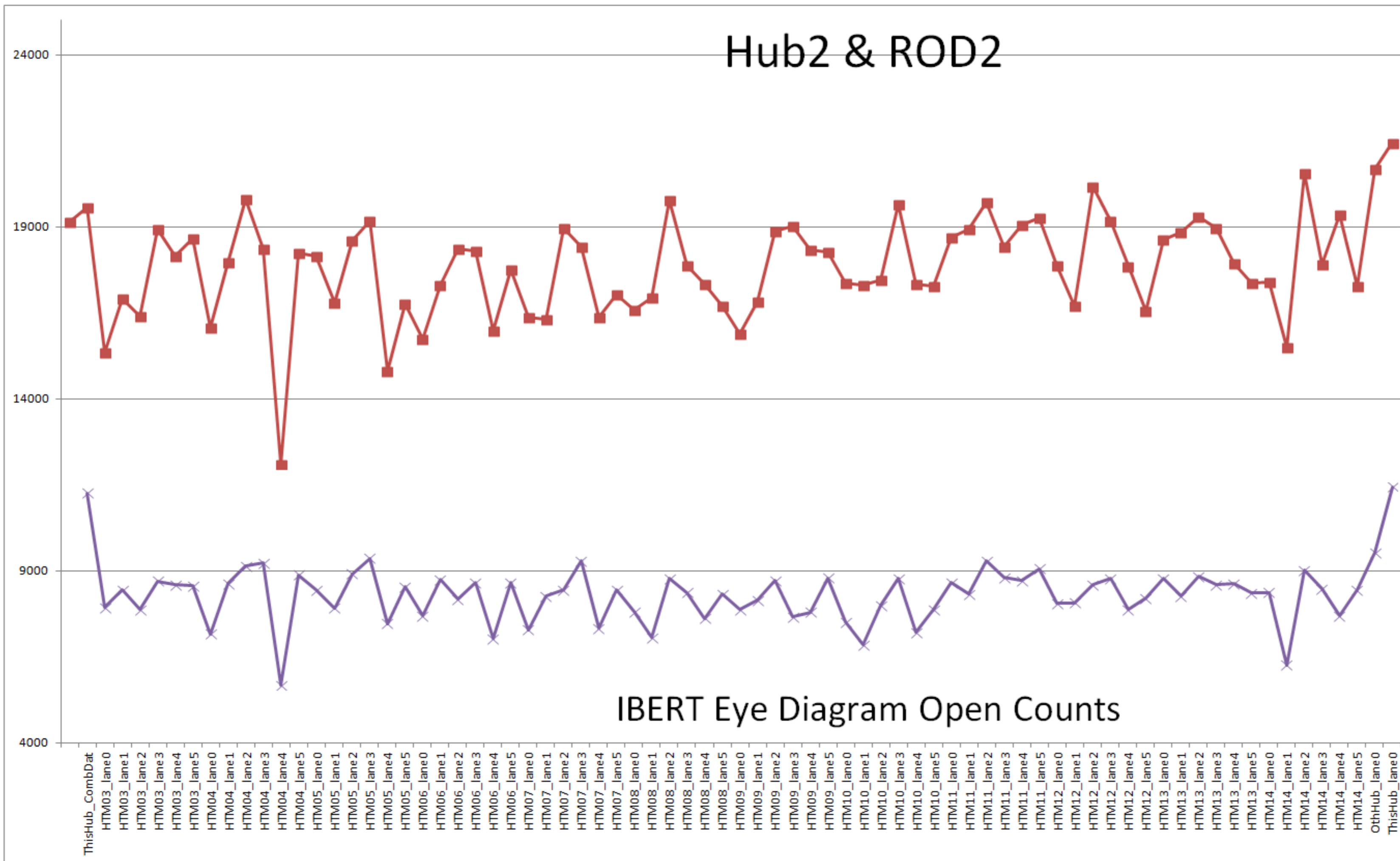
IBERT Eye Diagram Percentage Open Vertical

Hub2 & ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Clock locked to GBT



—■— O HUB2 15:16-May-2019_avg noDFE&EqOFF
—×— O ROD2 15:16-May-2019_avg noDFE&EqOFF

Hub1: SN11
FW: IBERT+IPbus+GBT
Temp v3 19-Dec-2018

Hub2: SN05
FW: IBERT+IPbus
Test v2p2 14-Dec-2018
ROD2: SN00
FW: IBERT 03/05-Aug-2017

HTM3-14:
S/N 5,17,1,11,4,12,
3,13,16,6,9,8
HTM11 just replaced
FW: IBERT+IPbus
rev 07-Sep-2018

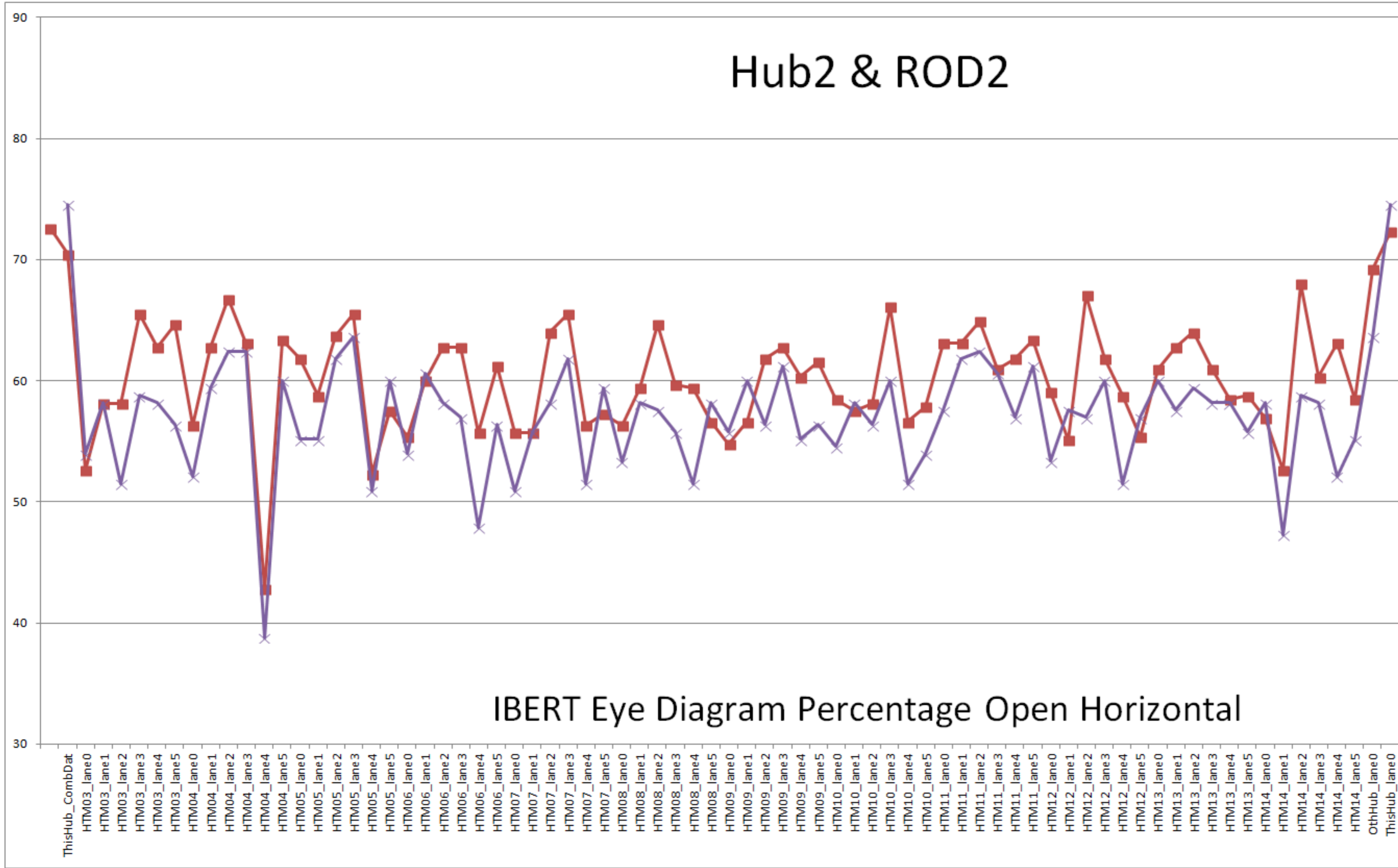
IBERT Eye Diagram Open Counts

Hub2 & ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Clock locked to GBT



■ H% HUB2 15:16-May-2019_avg noDFE&EqOFF
 × H% ROD2 15:16-May-2019_avg noDFE&EqOFF

Hub1: SN11
 FW: IBERT+IPbus+GBT
 Temp v3 19-Dec-2018

Hub2: SN05
 FW: IBERT+IPbus
 Test v2p2 14-Dec-2018
 ROD2: SN00
 FW: IBERT 03/05-Aug-2017

HTM3-14:
 S/N 5,17,1,11,4,12,
 3,13,16,6,9,8
 HTM11 just replaced
 FW: IBERT+IPbus
 rev 07-Sep-2018

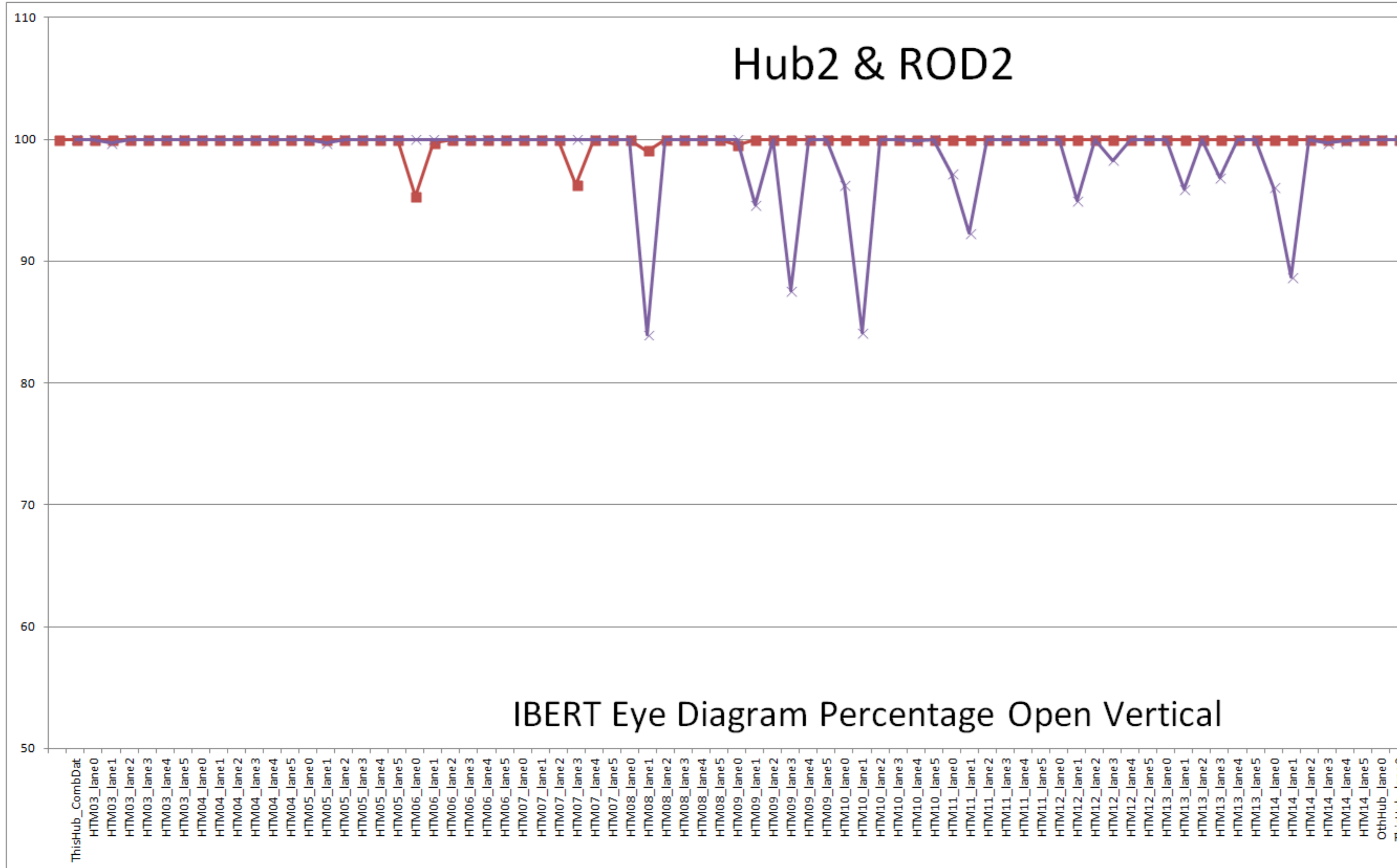
IBERT Eye Diagram Percentage Open Horizontal

Hub2 & ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

Clock locked to GBT



■ V% HUB2 15:16-May-2019_avg noDFE&EqOFF
 × V% ROD2 15:16-May-2019_avg noDFE&EqOFF

Hub1: SN11
 FW: IBERT+IPbus+GBT
 Tempv3 19-Dec-2018

Hub2: SN05
 FW: IBERT+IPbus
 Testv2p2 14-Dec-2018
ROD2: SN00
 FWIBERT 03/05-Aug-2017

HTM3-14:
 S/N 5,17,1,11,4,12,
 3,13,16,6,9,8
 HTM 11 just replaced
 FW: IBERT+IPbus
 rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Vertical