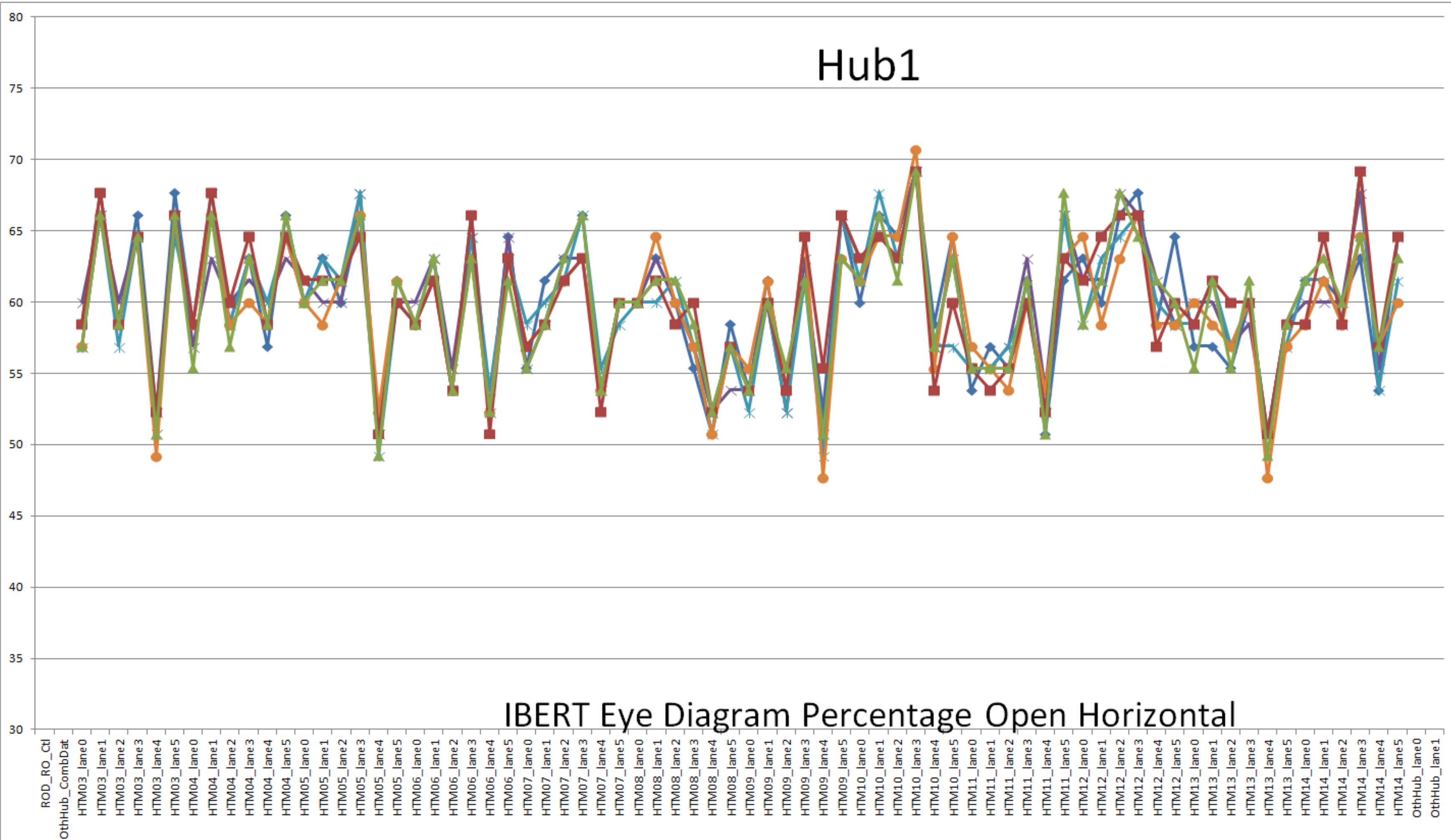


Hub1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



- H% HUB1 05-Nov-2018_b noDFE&EqOFF
- H% HUB1 05-Nov-2018_c noDFE&EqOFF
- H% HUB1 06-Nov-2018_a noDFE&EqOFF
- H% HUB1 06-Nov-2018_b noDFE&EqOFF
- H% HUB1 06-Nov-2018_c noDFE&EqOFF
- H% HUB1 06-Nov-2018_d noDFE&EqOFF
- H%

Hub1: SN04
FW: IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW: IBERT+IPbus
rev 12-Sep-2018

ROD2: SN00
FWIBERT 03/05-Aug-2017

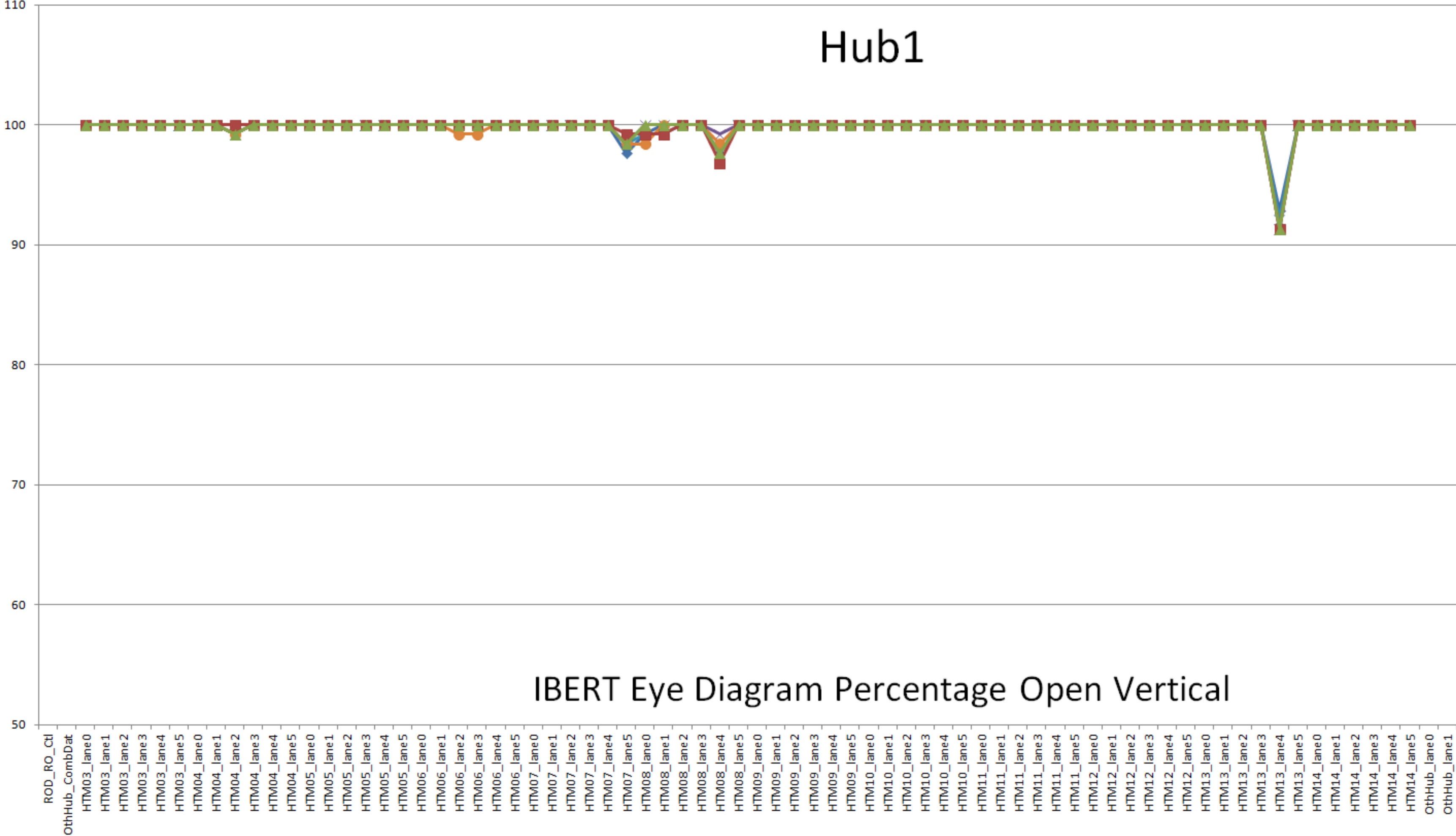
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3.13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Horizontal

Hub1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



- V% HUB1 05-Nov-2018_b noDFE&EqOFF
- V% HUB1 05-Nov-2018_c noDFE&EqOFF
- V% HUB1 06-Nov-2018_a noDFE&EqOFF
- V% HUB1 06-Nov-2018_b noDFE&EqOFF
- V% HUB1 06-Nov-2018_c noDFE&EqOFF
- V% HUB1 06-Nov-2018_d noDFE&EqOFF
- V%

Hub1: SN04
FW:IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW:IBERT+IPbus
rev 12-Sep-2018

ROD2: SN00
FWIBERT 03/05-Aug-2017

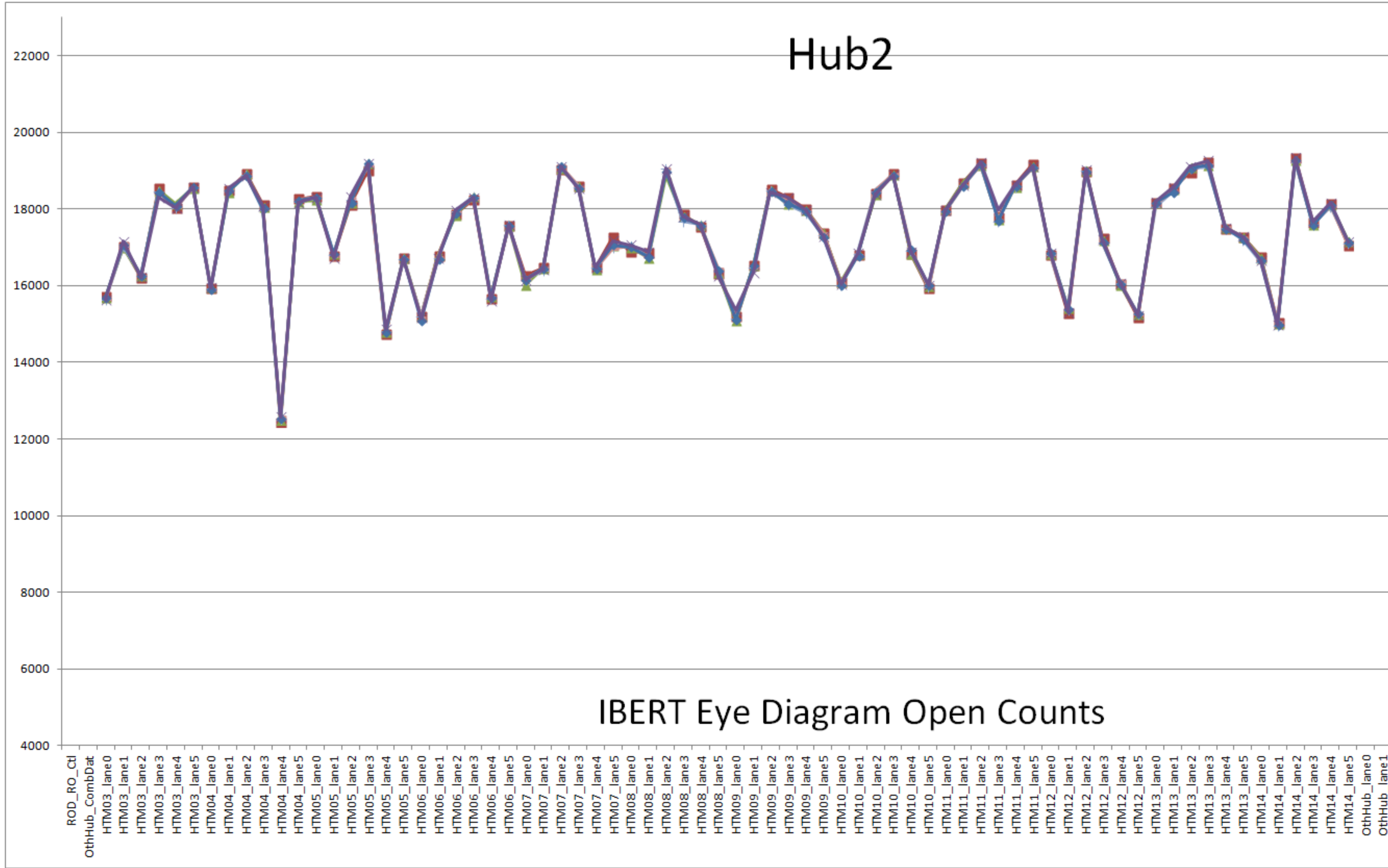
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3.13
FW:IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Vertical

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



- O HUB2 05-Nov-2018_b noDFE&EqOFF
- ▲ O HUB2 05-Nov-2018_c noDFE&EqOFF
- ◆ O HUB2 06-Nov-2018_a noDFE&EqOFF
- ◆ O HUB2 06-Nov-2018_b noDFE&EqOFF
- ◆ O HUB2 06-Nov-2018_c noDFE&EqOFF
- ✱ O HUB2 06-Nov-2018_d noDFE&EqOFF
- ✱ O

Hub 1: SN04
FW: IBERT+IPbus
rev 12-Sep-2018

Hub 2: SN05
FW: IBERT+IPbus
rev 12-Sep-2018

ROD2: SN00
FWIBERT 03/05-Aug-2017

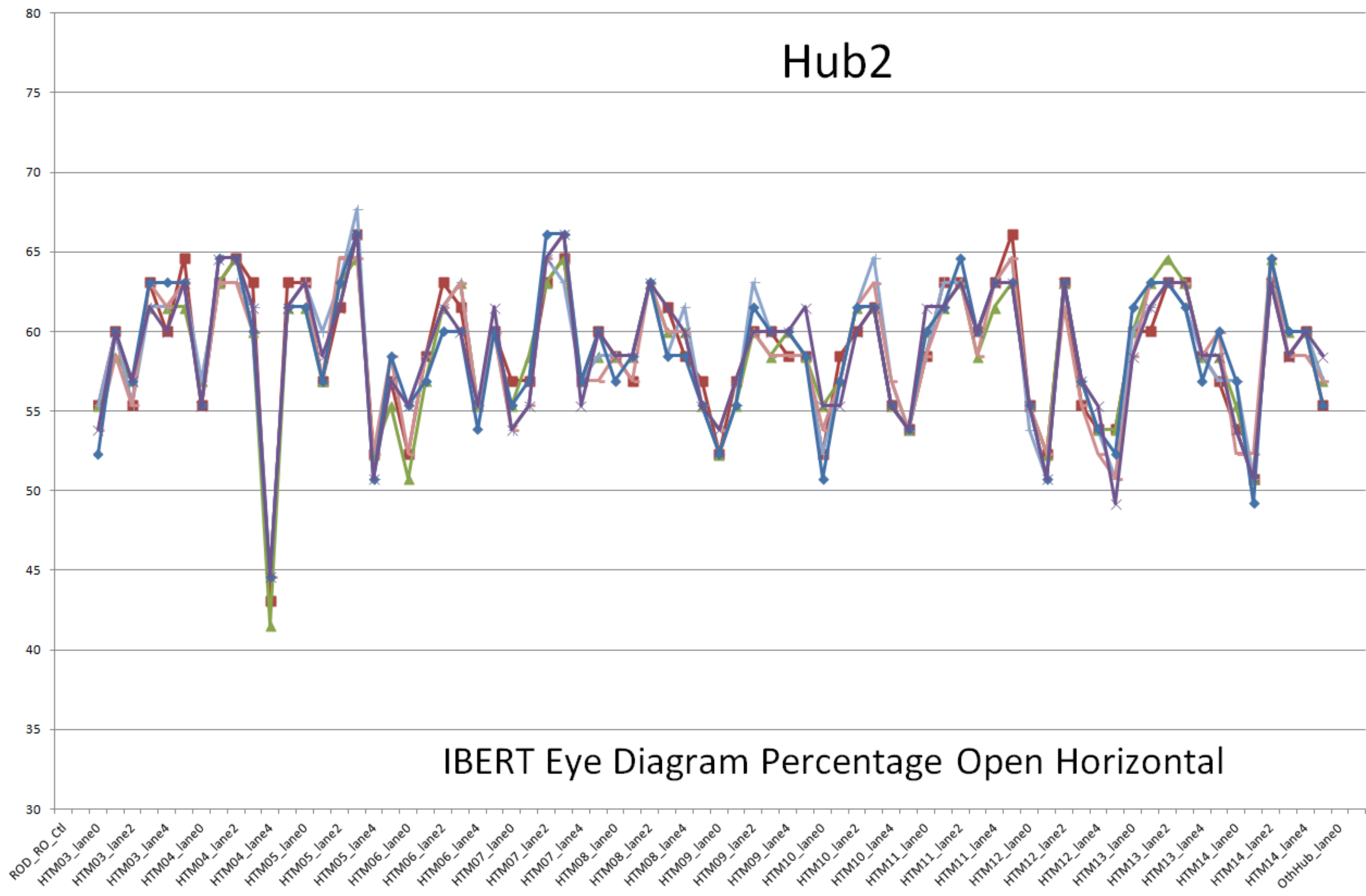
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Open Counts

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



- H% HUB2 05-Nov-2018_b noDFE&EqOFF
- H% HUB2 05-Nov-2018_c noDFE&EqOFF
- H% HUB2 06-Nov-2018_a noDFE&EqOFF
- H% HUB2 06-Nov-2018_b noDFE&EqOFF
- H% HUB2 06-Nov-2018_c noDFE&EqOFF
- H% HUB2 06-Nov-2018_d noDFE&EqOFF
- H%

Hub1: SN04
FW:IBERT+IPbus
rev 12-Sep-2018

Hub 2: SN05
FW:IBERT+IPbus
rev 12-Sep-2018

ROD2:SN00
FWIBERT 03/05-Aug-2017

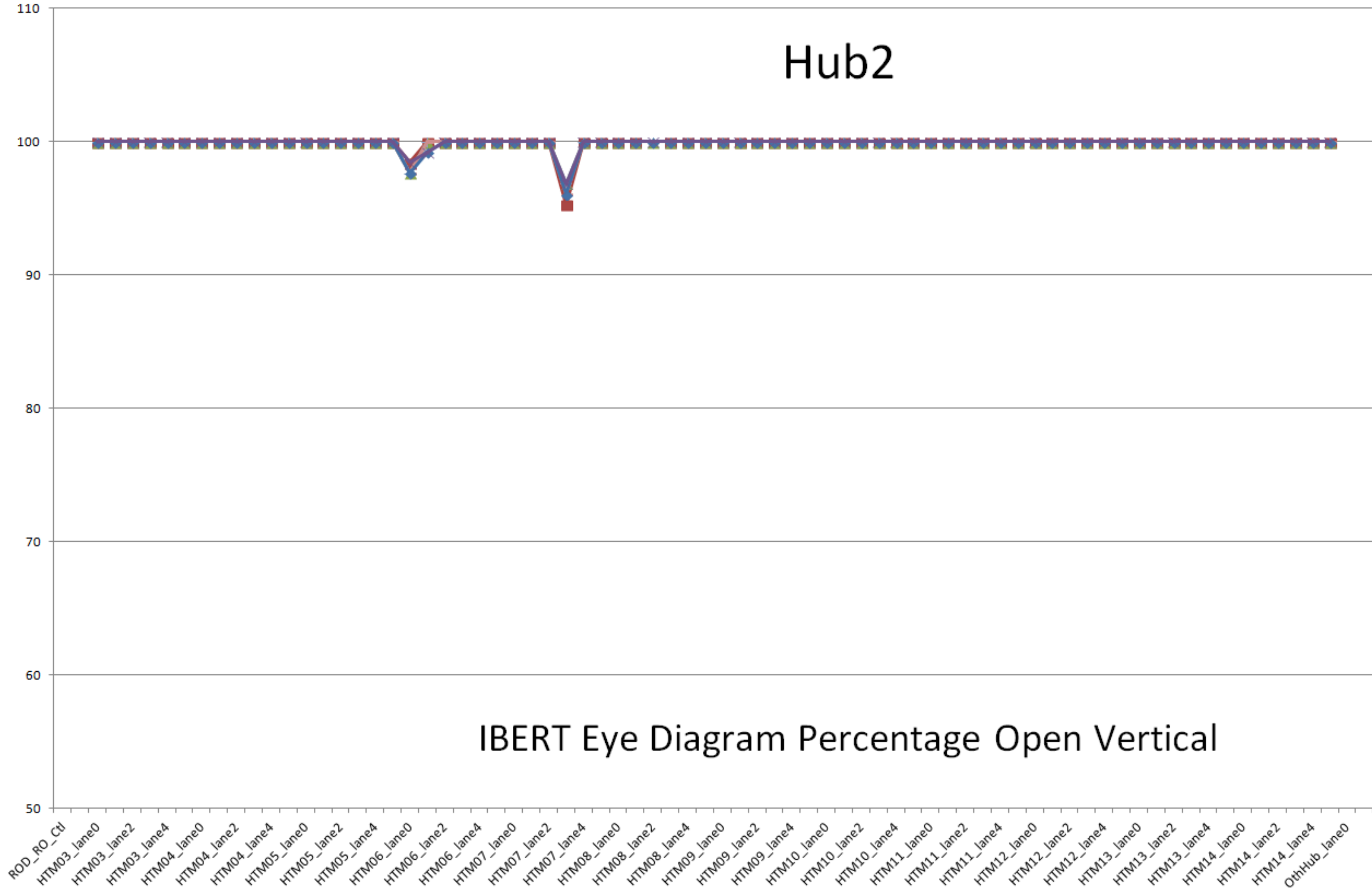
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW:IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Horizontal

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



IBERT Eye Diagram Percentage Open Vertical

- V% HUB2 05-Nov-2018_b noDFE&EqOFF
- V% HUB2 05-Nov-2018_c noDFE&EqOFF
- V% HUB2 06-Nov-2018_a noDFE&EqOFF
- V% HUB2 06-Nov-2018_b noDFE&EqOFF
- V% HUB2 06-Nov-2018_c noDFE&EqOFF
- V% HUB2 06-Nov-2018_d noDFE&EqOFF
- V%

Hub1: SN04
FW: IBERT+IPbus
rev 12-Sep-2018

Hub 2: SN05
FW: IBERT+IPbus
rev 12-Sep-2018

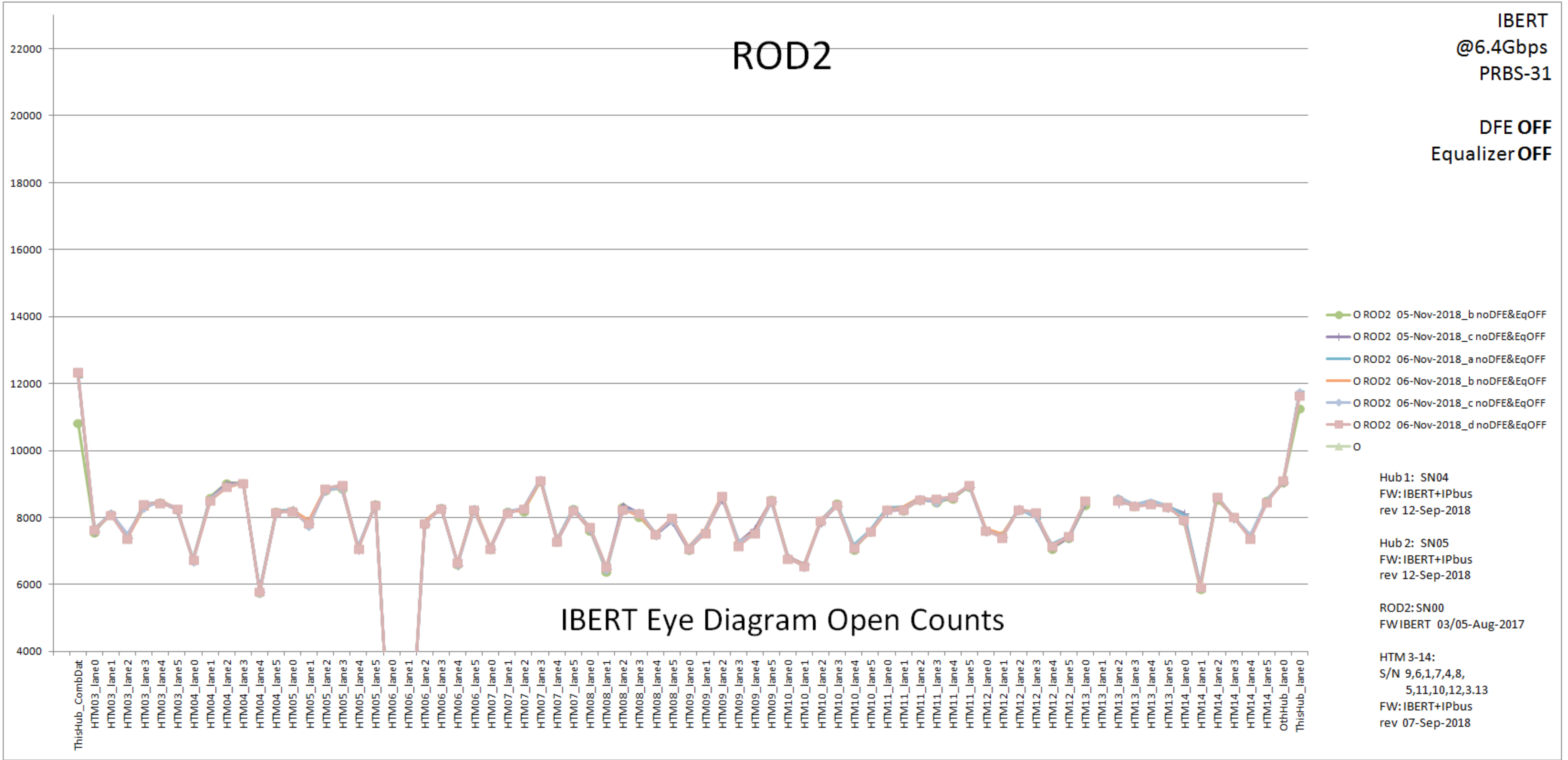
ROD2: SN00
FW: IBERT 03/05-Aug-2017

HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



Hub1: SN04
FW:IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW:IBERT+IPbus
rev 12-Sep-2018

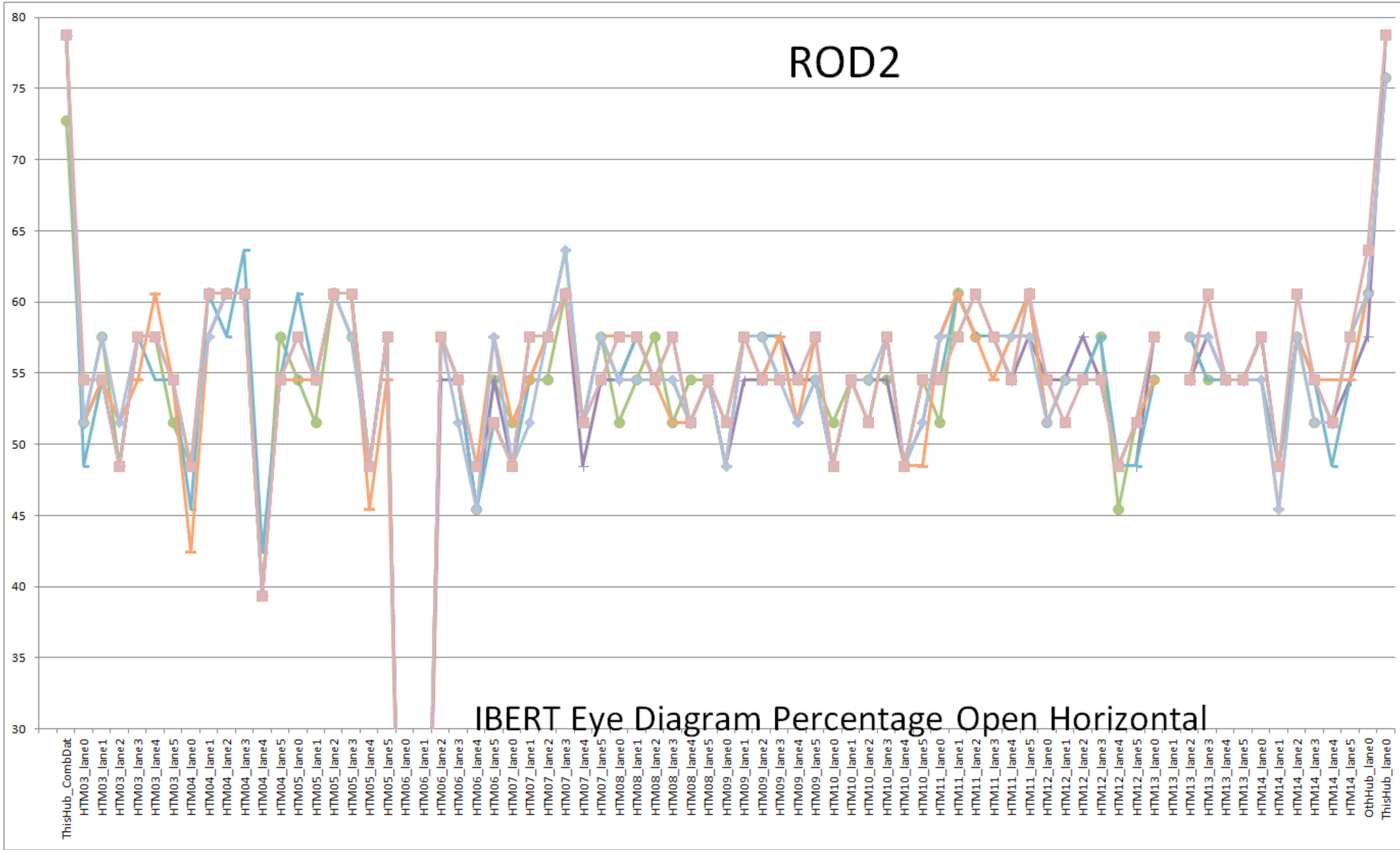
ROD2: SN00
FWIBERT 03/05-Aug-2017

HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW:IBERT+IPbus
rev 07-Sep-2018

ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



- H% ROD2 05-Nov-2018_b noDFE&EqOFF
- H% ROD2 05-Nov-2018_c noDFE&EqOFF
- H% ROD2 06-Nov-2018_a noDFE&EqOFF
- H% ROD2 06-Nov-2018_b noDFE&EqOFF
- H% ROD2 06-Nov-2018_c noDFE&EqOFF
- H% ROD2 06-Nov-2018_d noDFE&EqOFF
- H%

Hub 1: SN04
FW: IBERT+IPbus
rev 12-Sep-2018

Hub 2: SN05
FW: IBERT+IPbus
rev 12-Sep-2018

ROD2: SN00
FWIBERT 03/05-Aug-2017

HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3.13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Horizontal

ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

- V% ROD2 05-Nov-2018_b noDFE&EqOFF
- V% ROD2 05-Nov-2018_c noDFE&EqOFF
- V% ROD2 06-Nov-2018_a noDFE&EqOFF
- V% ROD2 06-Nov-2018_b noDFE&EqOFF
- V% ROD2 06-Nov-2018_c noDFE&EqOFF
- V% ROD2 06-Nov-2018_d noDFE&EqOFF
- V%

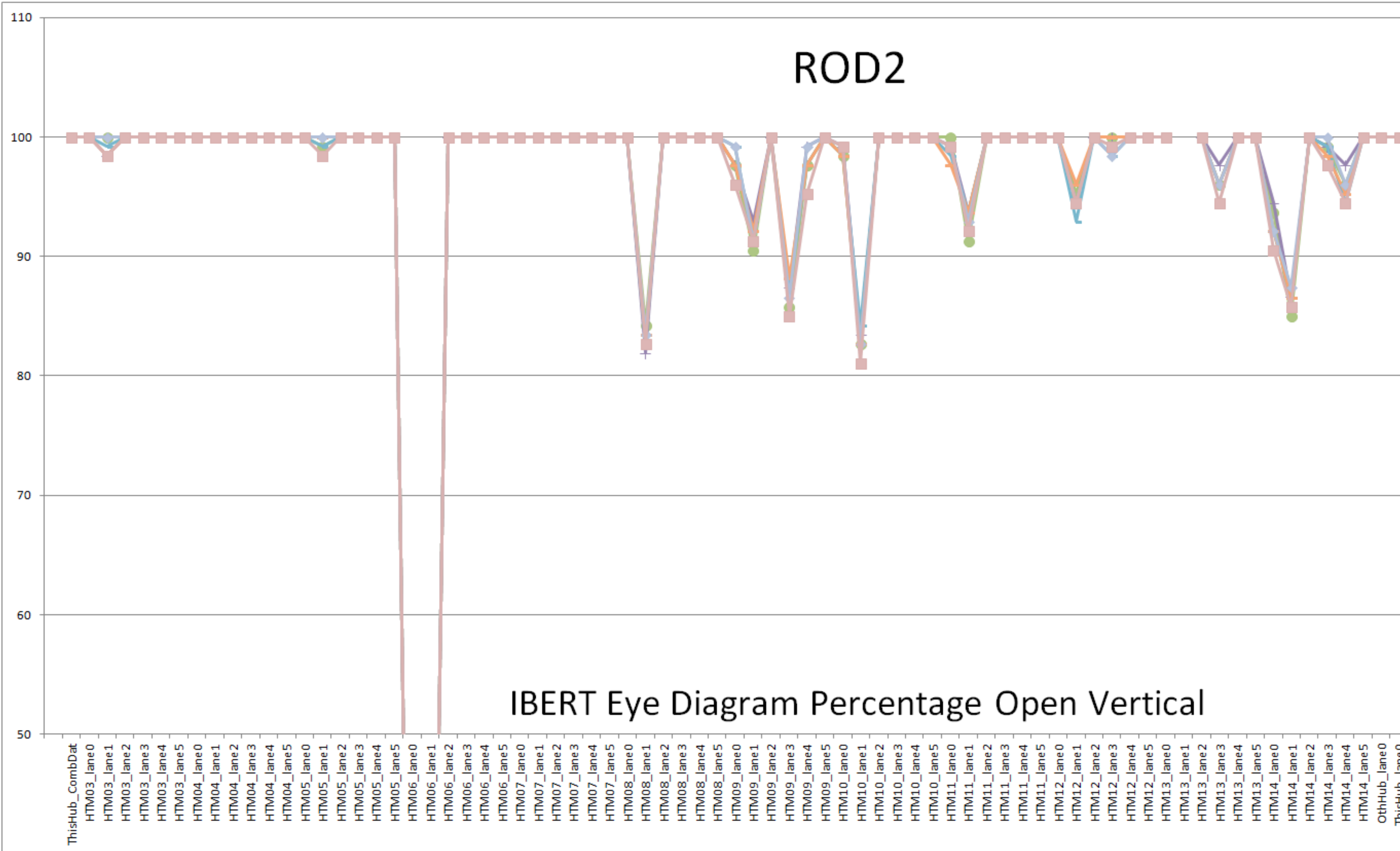
Hub 1: SN04
FW: IBERT+IPbus
rev 12-Sep-2018

Hub 2: SN05
FW: IBERT+IPbus
rev 12-Sep-2018

ROD2: SN00
FWIBERT 03/05-Aug-2017

HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

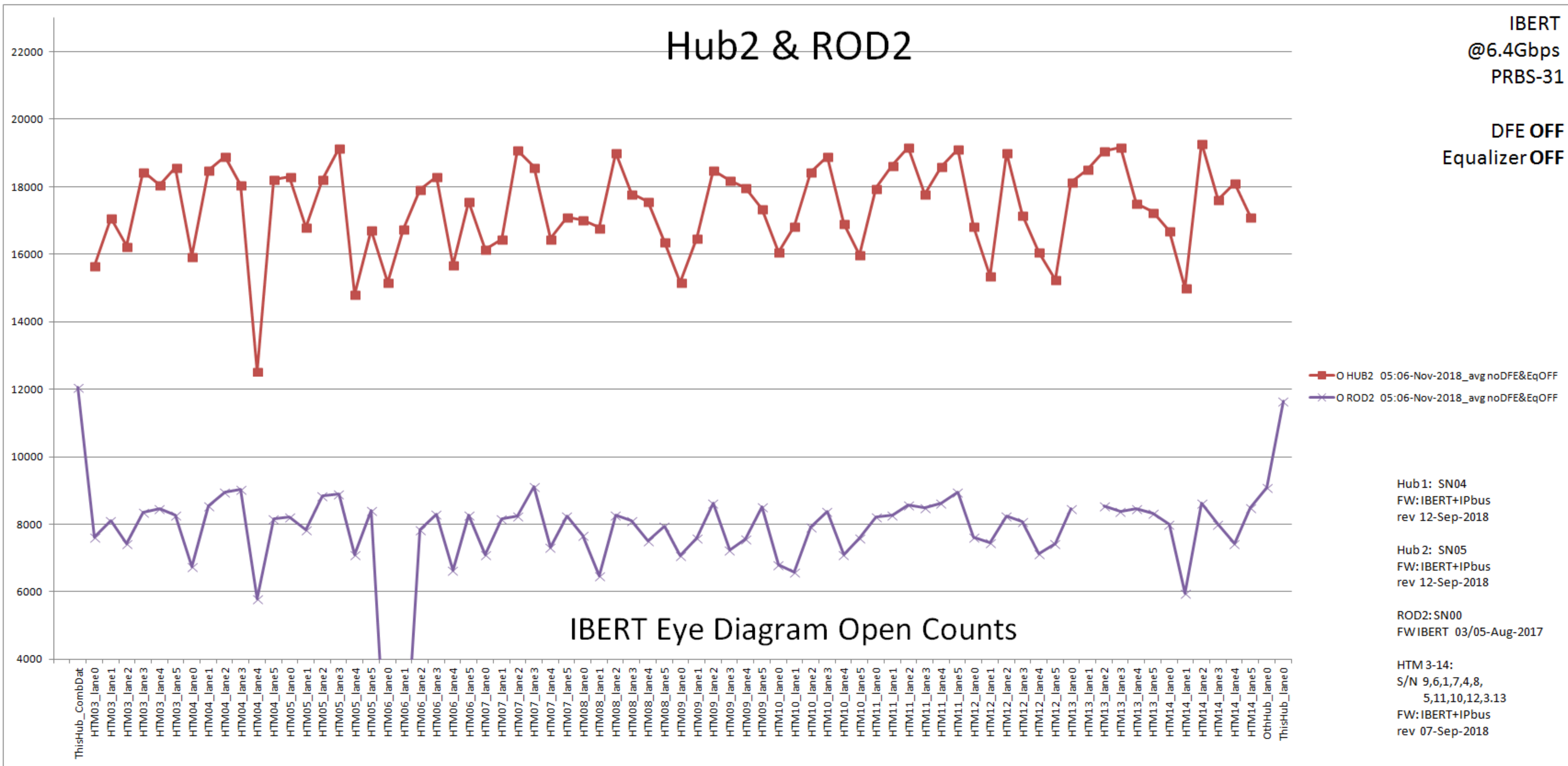
IBERT Eye Diagram Percentage Open Vertical



Hub2 & ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



IBERT Eye Diagram Open Counts

Hub1: SN04
FW: IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW: IBERT+IPbus
rev 12-Sep-2018

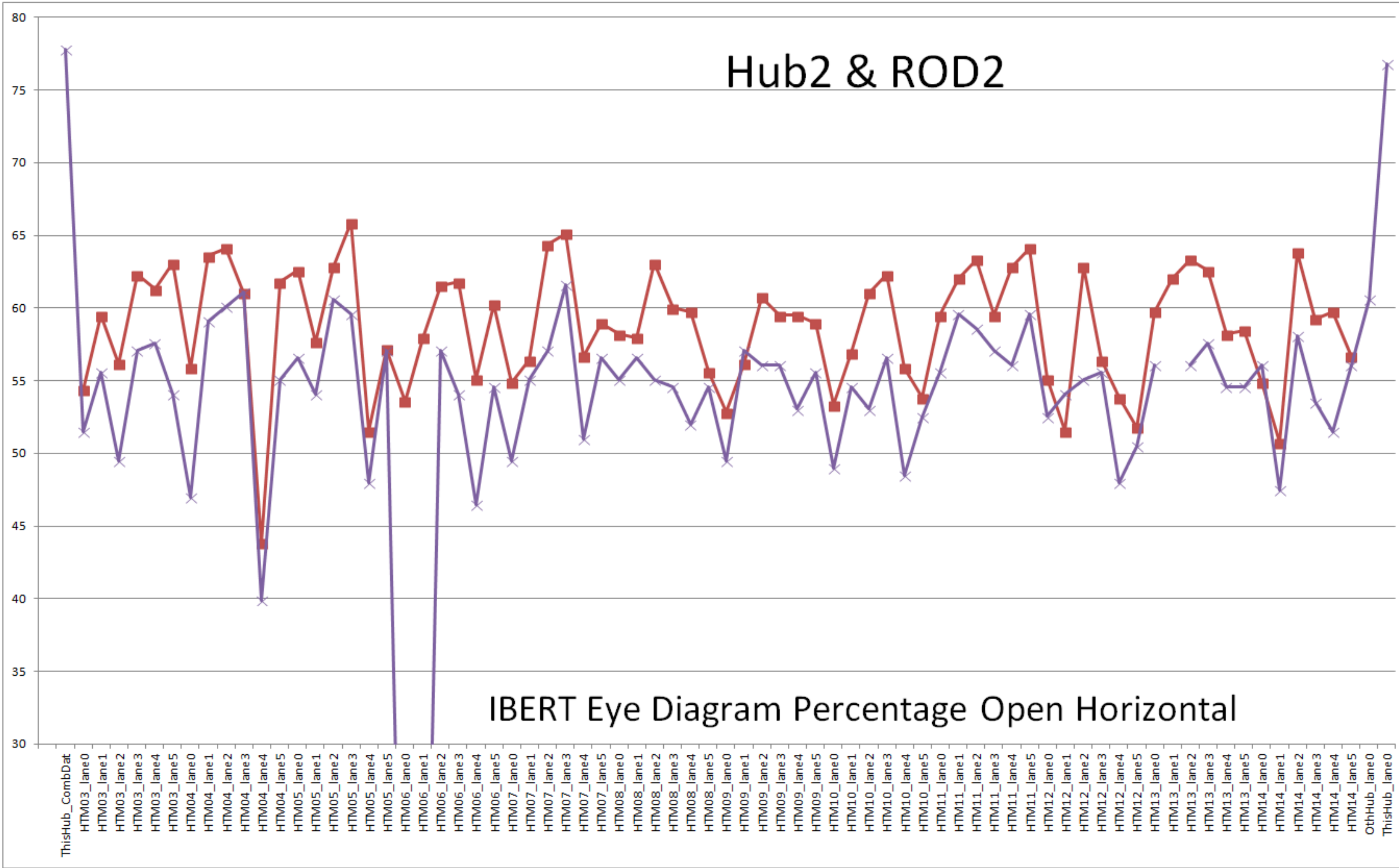
ROD2: SN00
FW: IBERT 03/05-Aug-2017

HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3.13
FW: IBERT+IPbus
rev 07-Sep-2018

Hub2 & ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



IBERT Eye Diagram Percentage Open Horizontal

—■— H% HUB2 05:06-Nov-2018_avg noDFE&EqOFF
—x— H% ROD2 05:06-Nov-2018_avg noDFE&EqOFF

Hub 1: SN04
FW: IBERT+IPbus
rev 12-Sep-2018

Hub 2: SN05
FW: IBERT+IPbus
rev 12-Sep-2018

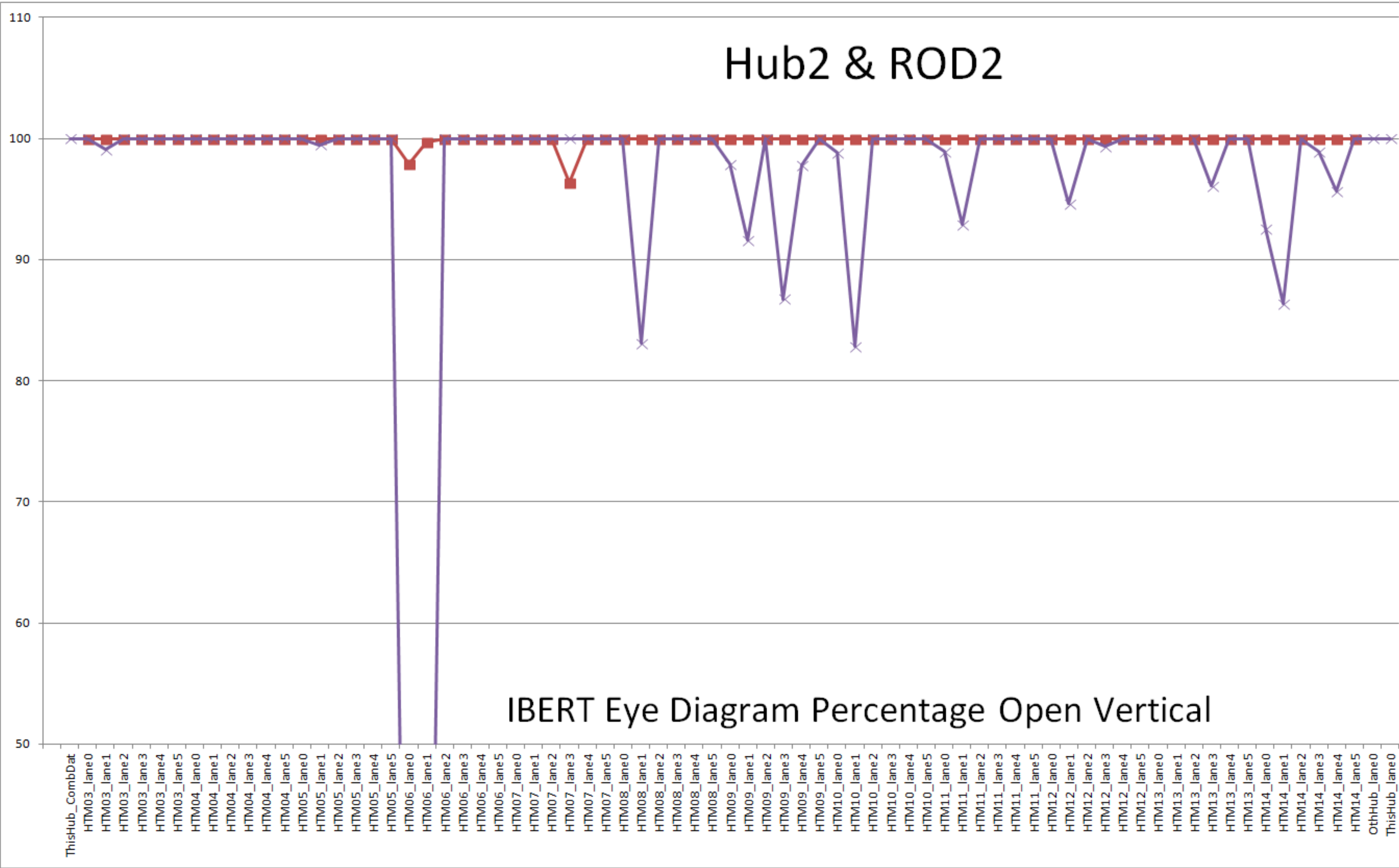
ROD2: SN00
FWIBERT 03/05-Aug-2017

HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

Hub2 & ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



V% HUB2 05:06-Nov-2018_avg noDFE&EqOFF
V% ROD2 05:06-Nov-2018_avg noDFE&EqOFF

Hub1: SN04
FW: IBERT+IPbus
rev 12-Sep-2018

Hub 2: SN05
FW: IBERT+IPbus
rev 12-Sep-2018

ROD2: SN00
FWIBERT 03/05-Aug-2017

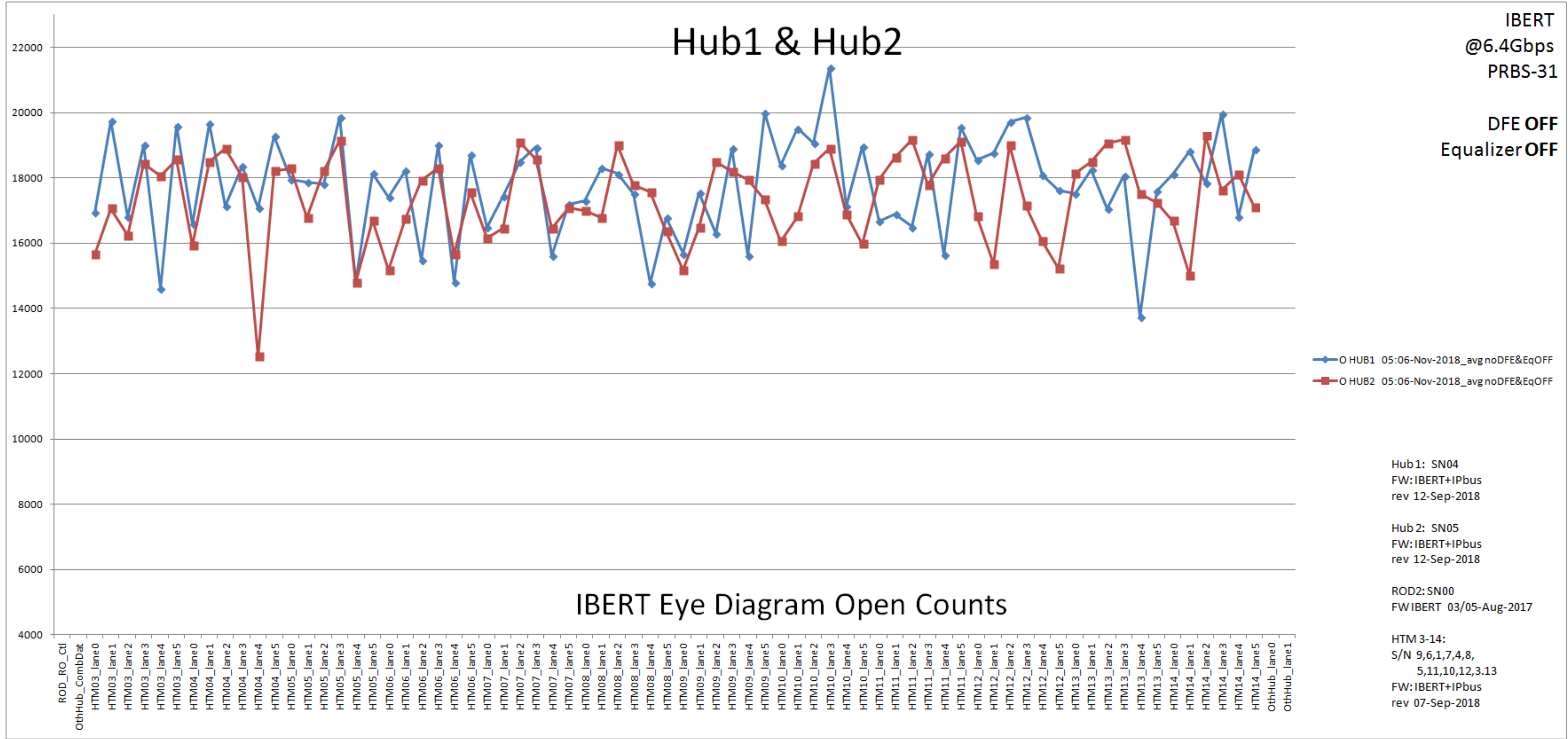
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Vertical

Hub1 & Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



Legend:
◆ O HUB1 05:06-Nov-2018_avg noDFE&EqOFF
■ O HUB2 05:06-Nov-2018_avg noDFE&EqOFF

Hub 1: SN04
FW: IBERT+IPbus
rev 12-Sep-2018

Hub 2: SN05
FW: IBERT+IPbus
rev 12-Sep-2018

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

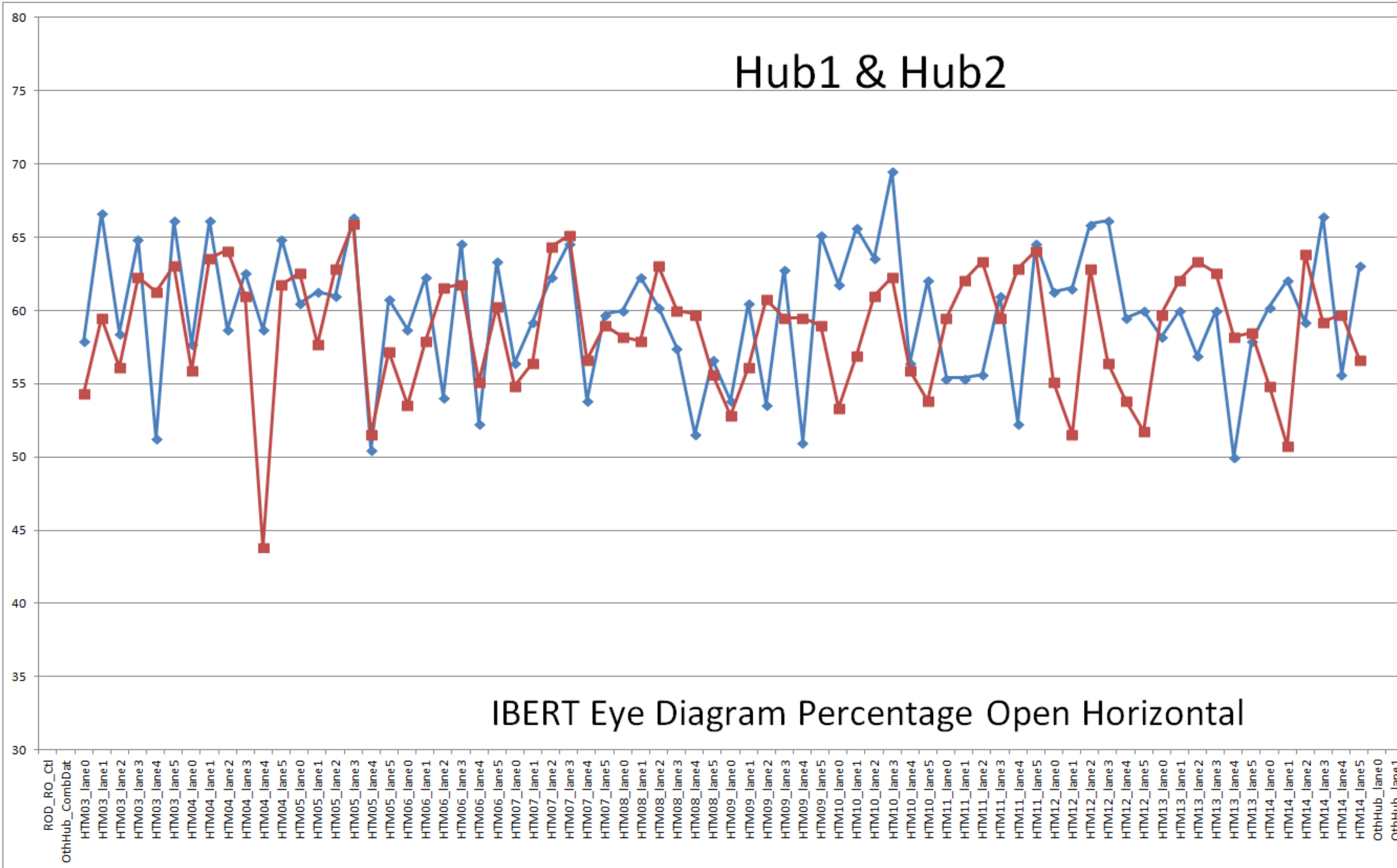
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3.13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Open Counts

Hub1 & Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



H% HUB1 05:06-Nov-2018_avg noDFE&EqOFF
H% HUB2 05:06-Nov-2018_avg noDFE&EqOFF

Hub 1: SN04
FW: IBERT+IPbus
rev 12-Sep-2018

Hub 2: SN05
FW: IBERT+IPbus
rev 12-Sep-2018

ROD2: SN00
FWIBERT 03/05-Aug-2017

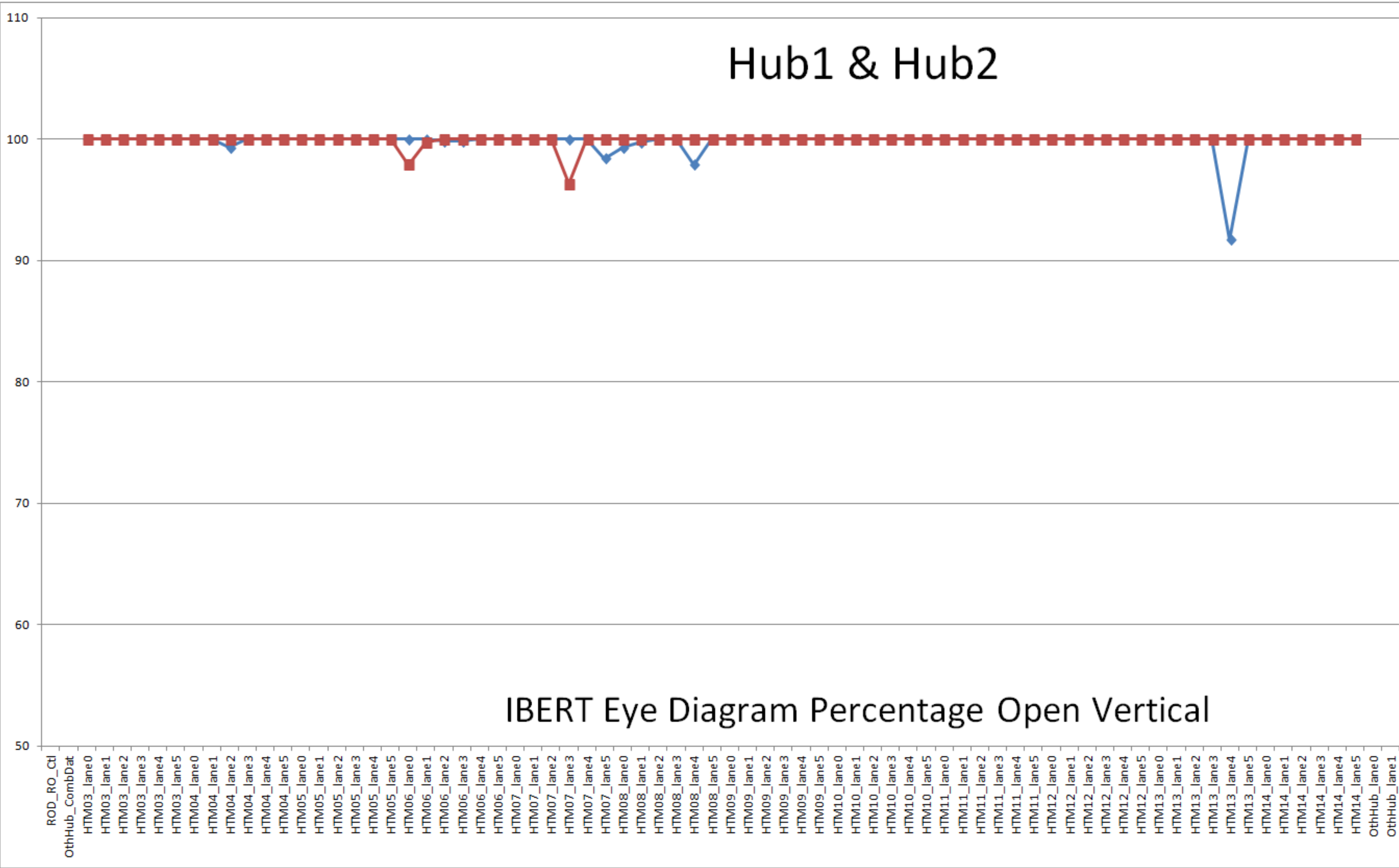
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Horizontal

Hub1 & Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



V% HUB1 05:06-Nov-2018_avg noDFE&EqOFF
V% HUB2 05:06-Nov-2018_avg noDFE&EqOFF

Hub1: SN04
FW: IBERT+IPbus
rev 12-Sep-2018

Hub 2: SN05
FW: IBERT+IPbus
rev 12-Sep-2018

ROD2: SN00
FWIBERT 03/05-Aug-2017

HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3.13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Vertical