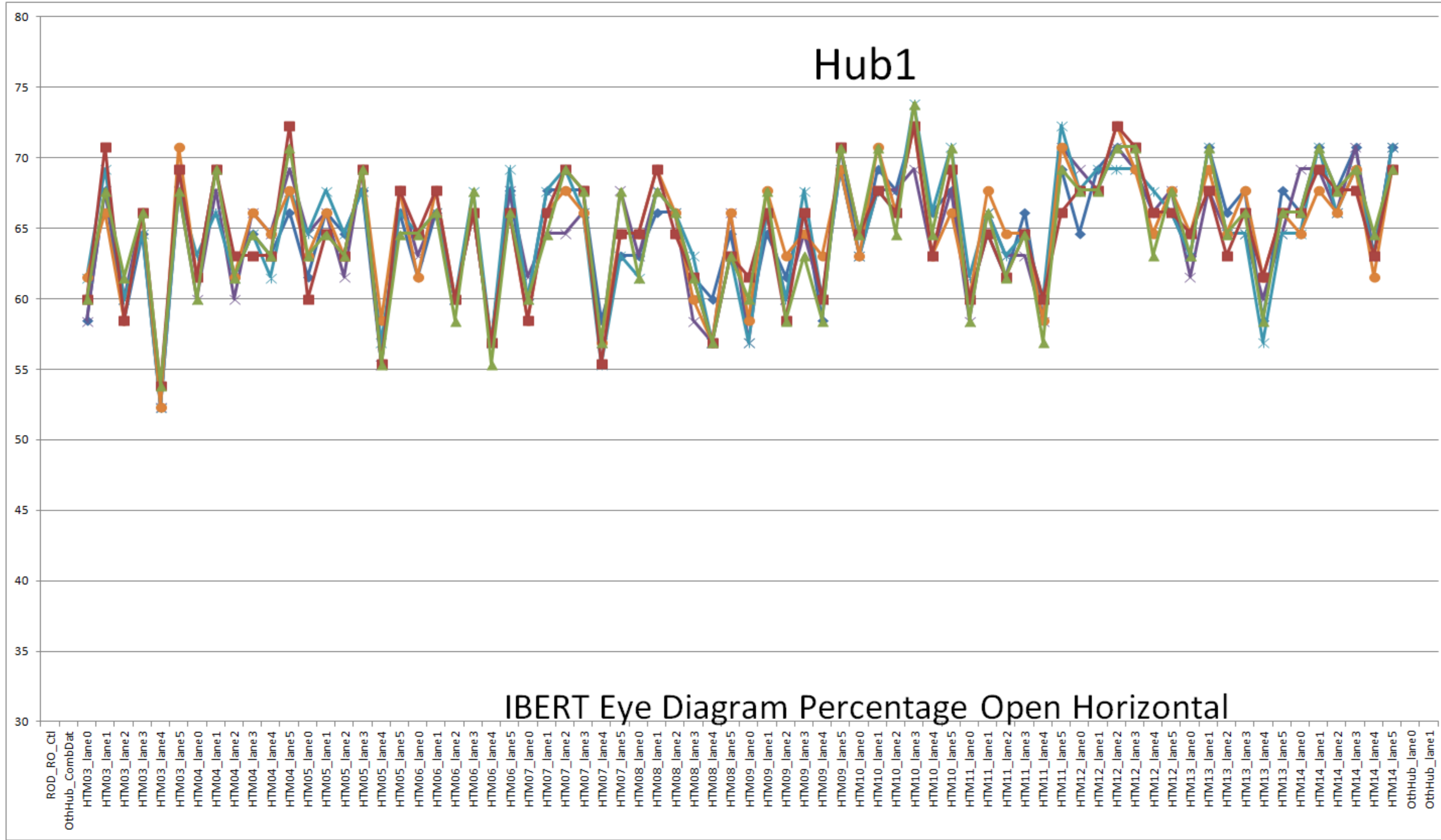


Hub1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer ON



- H% HUB1 07-Nov-2018_b noDFE&EqON
- H% HUB1 07-Nov-2018_c noDFE&EqON
- H% HUB1 07-Nov-2018_d noDFE&EqON
- H% HUB1 07-Nov-2018_e noDFE&EqON
- H% HUB1 07-Nov-2018_f noDFE&EqON
- H% HUB1 07-Nov-2018_g noDFE&EqON
- 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

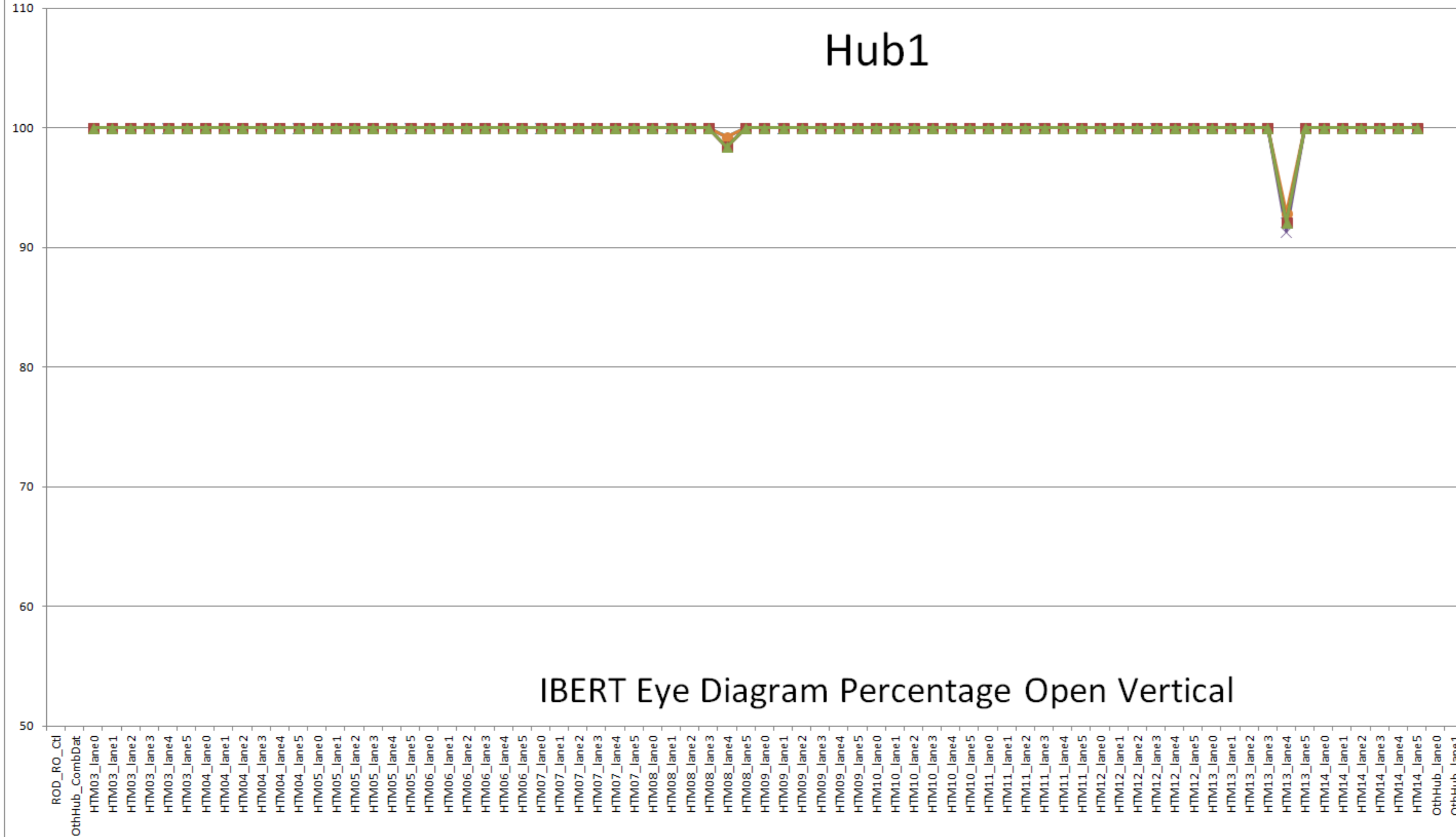
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Horizontal

Hub1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer ON



IBERT Eye Diagram Percentage Open Vertical

- V% HUB1 07-Nov-2018_b noDFE&EqON
- V% HUB1 07-Nov-2018_c noDFE&EqON
- V% HUB1 07-Nov-2018_d noDFE&EqON
- V% HUB1 07-Nov-2018_e noDFE&EqON
- V% HUB1 07-Nov-2018_f noDFE&EqON
- V% HUB1 07-Nov-2018_g noDFE&EqON
- V%

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

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

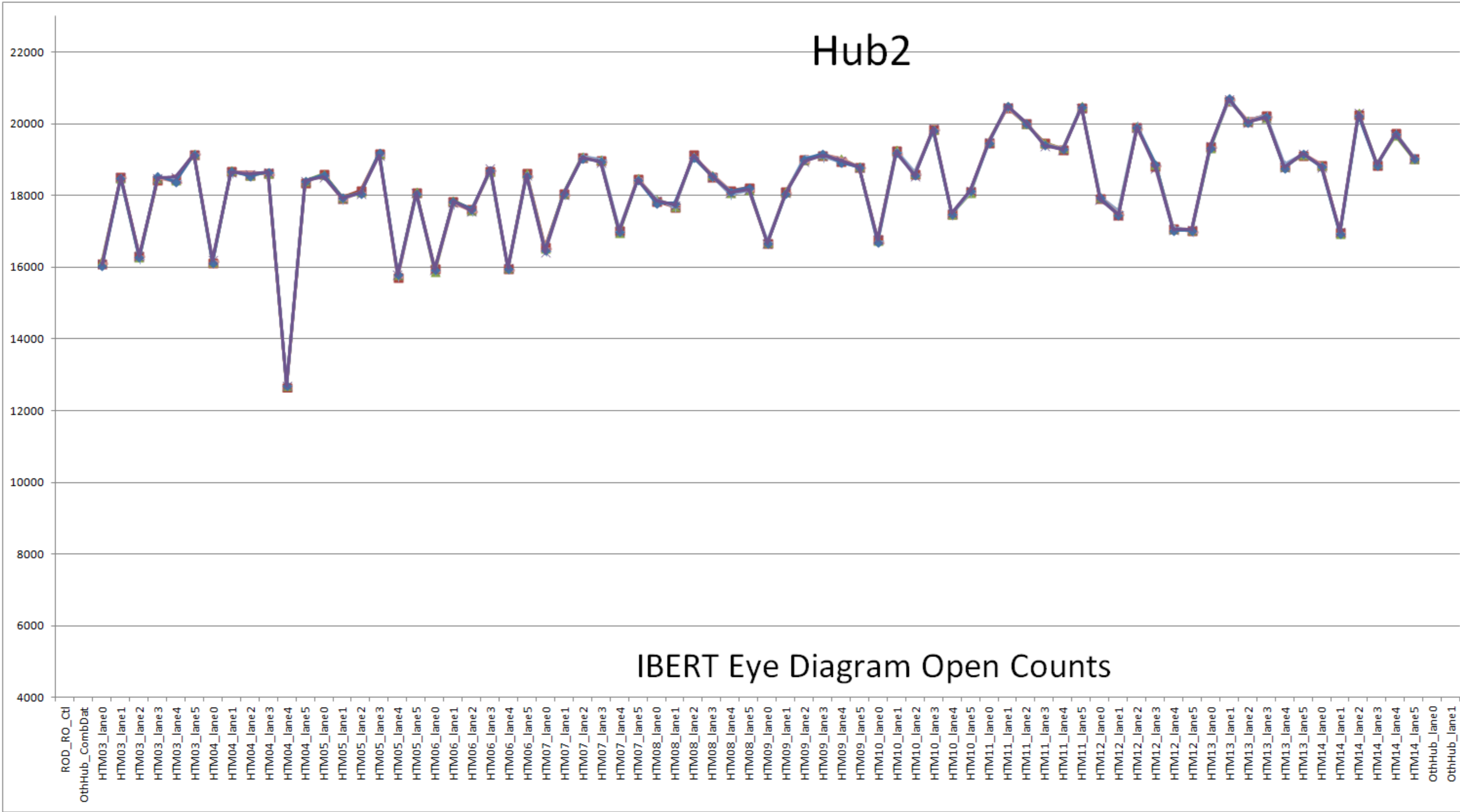
ROD2: SN00
FWIBERT 03/05-Aug-2017

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

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer ON



- O HUB2 07-Nov-2018_b noDFE&EqON
- ▲ O HUB2 07-Nov-2018_c noDFE&EqON
- ◆ O HUB2 07-Nov-2018_d noDFE&EqON
- O HUB2 07-Nov-2018_e noDFE&EqON
- ◆ O HUB2 07-Nov-2018_f noDFE&EqON
- ◆ O HUB2 07-Nov-2018_g noDFE&EqON
- ◆ O

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

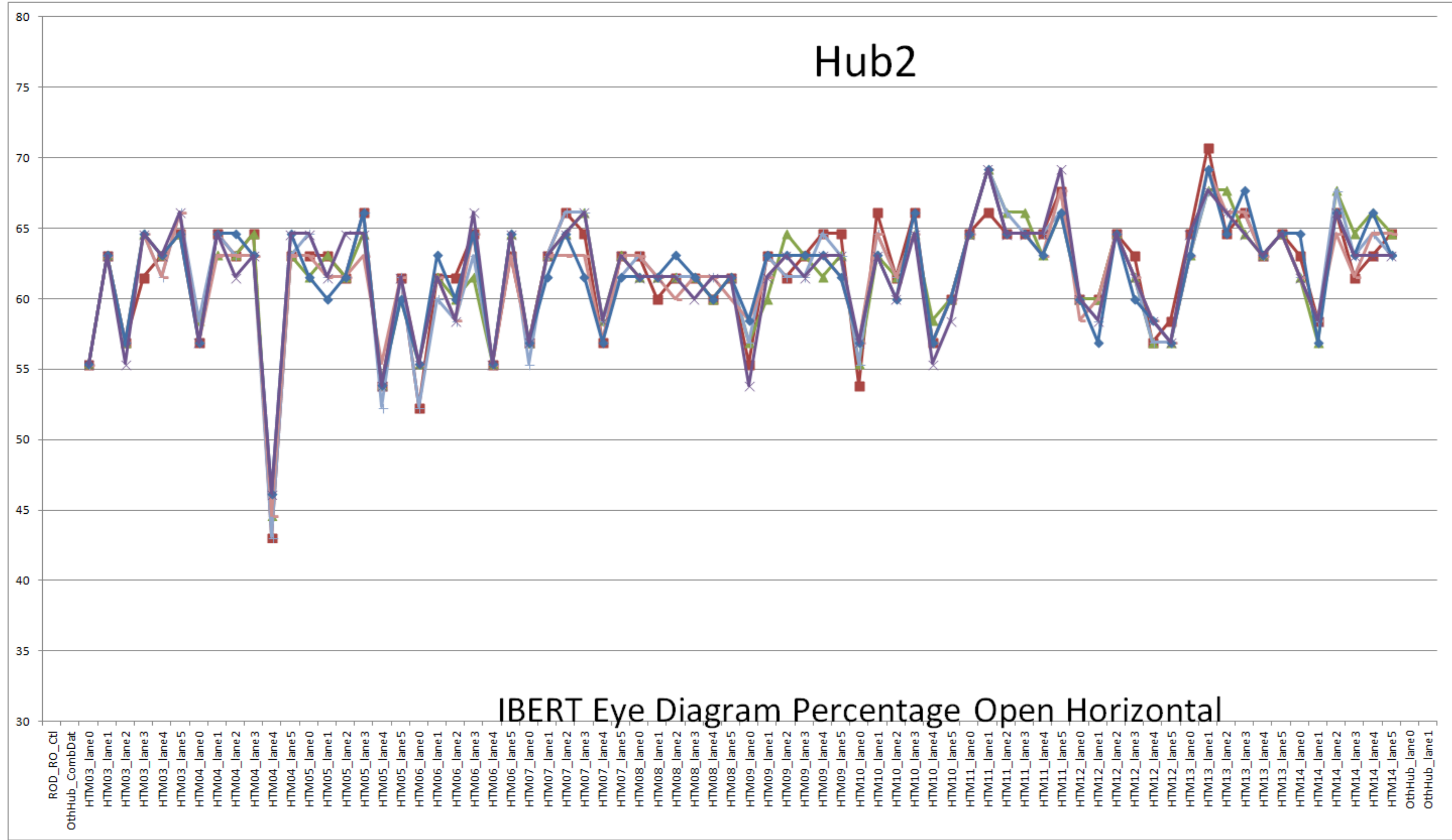
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Open Counts

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer ON



- H% HUB2 07-Nov-2018_b noDFE&EqON
- H% HUB2 07-Nov-2018_c noDFE&EqON
- H% HUB2 07-Nov-2018_d noDFE&EqON
- H% HUB2 07-Nov-2018_e noDFE&EqON
- H% HUB2 07-Nov-2018_f noDFE&EqON
- H% HUB2 07-Nov-2018_g noDFE&EqON
- 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

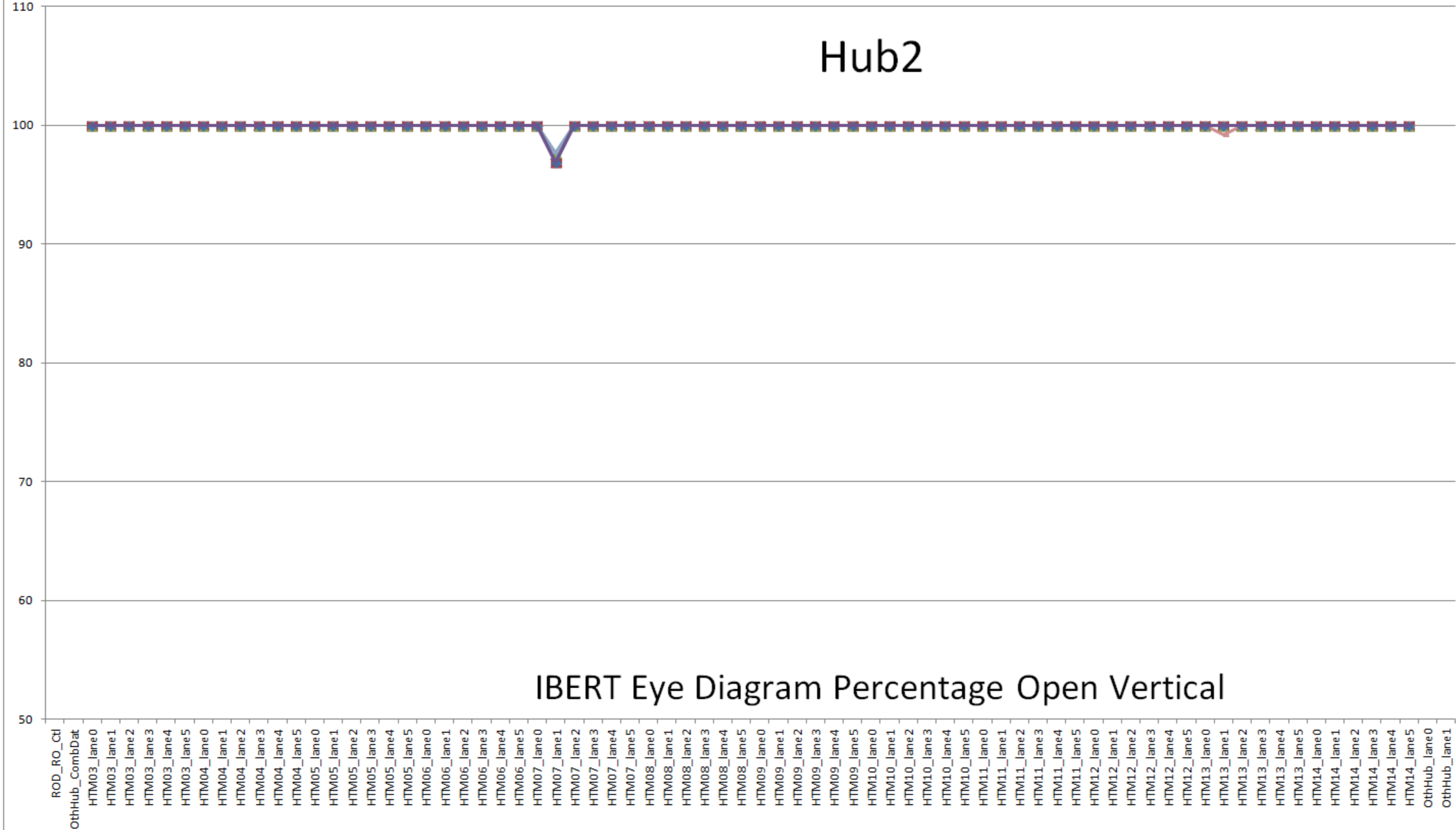
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Horizontal

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer ON



IBERT Eye Diagram Percentage Open Vertical

- V% HUB2 07-Nov-2018_b noDFE&EqON
- V% HUB2 07-Nov-2018_c noDFE&EqON
- V% HUB2 07-Nov-2018_d noDFE&EqON
- V% HUB2 07-Nov-2018_e noDFE&EqON
- V% HUB2 07-Nov-2018_f noDFE&EqON
- V% HUB2 07-Nov-2018_g noDFE&EqON
- V%

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

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

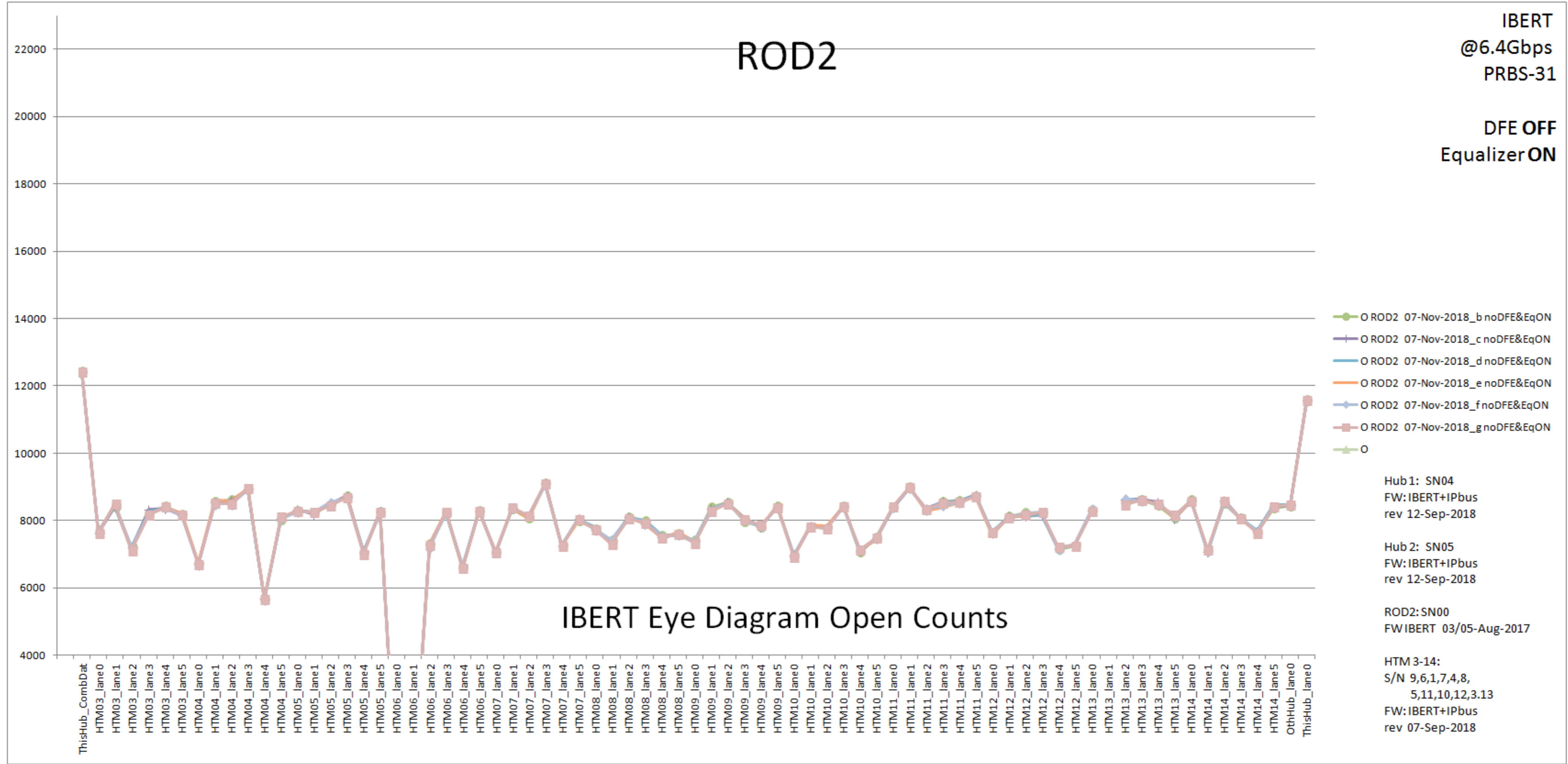
ROD2:SN00
FWIBERT 03/05-Aug-2017

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

ROD2

IBERT
@6.4Gbps
PRBS-31

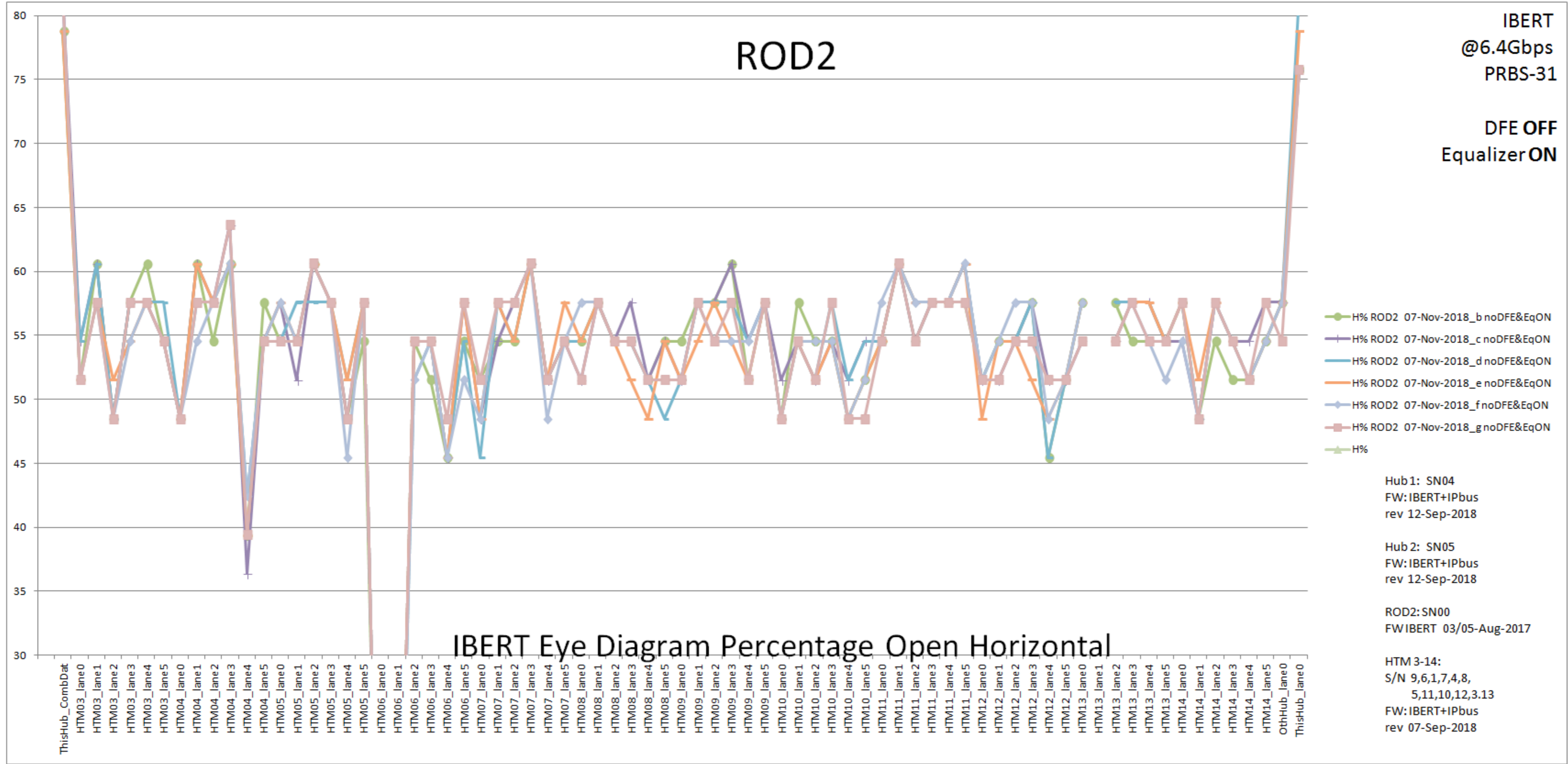
DFE OFF
Equalizer ON



ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer ON



- H% ROD2 07-Nov-2018_b noDFE&EqON
- H% ROD2 07-Nov-2018_c noDFE&EqON
- H% ROD2 07-Nov-2018_d noDFE&EqON
- H% ROD2 07-Nov-2018_e noDFE&EqON
- H% ROD2 07-Nov-2018_f noDFE&EqON
- H% ROD2 07-Nov-2018_g noDFE&EqON
- 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

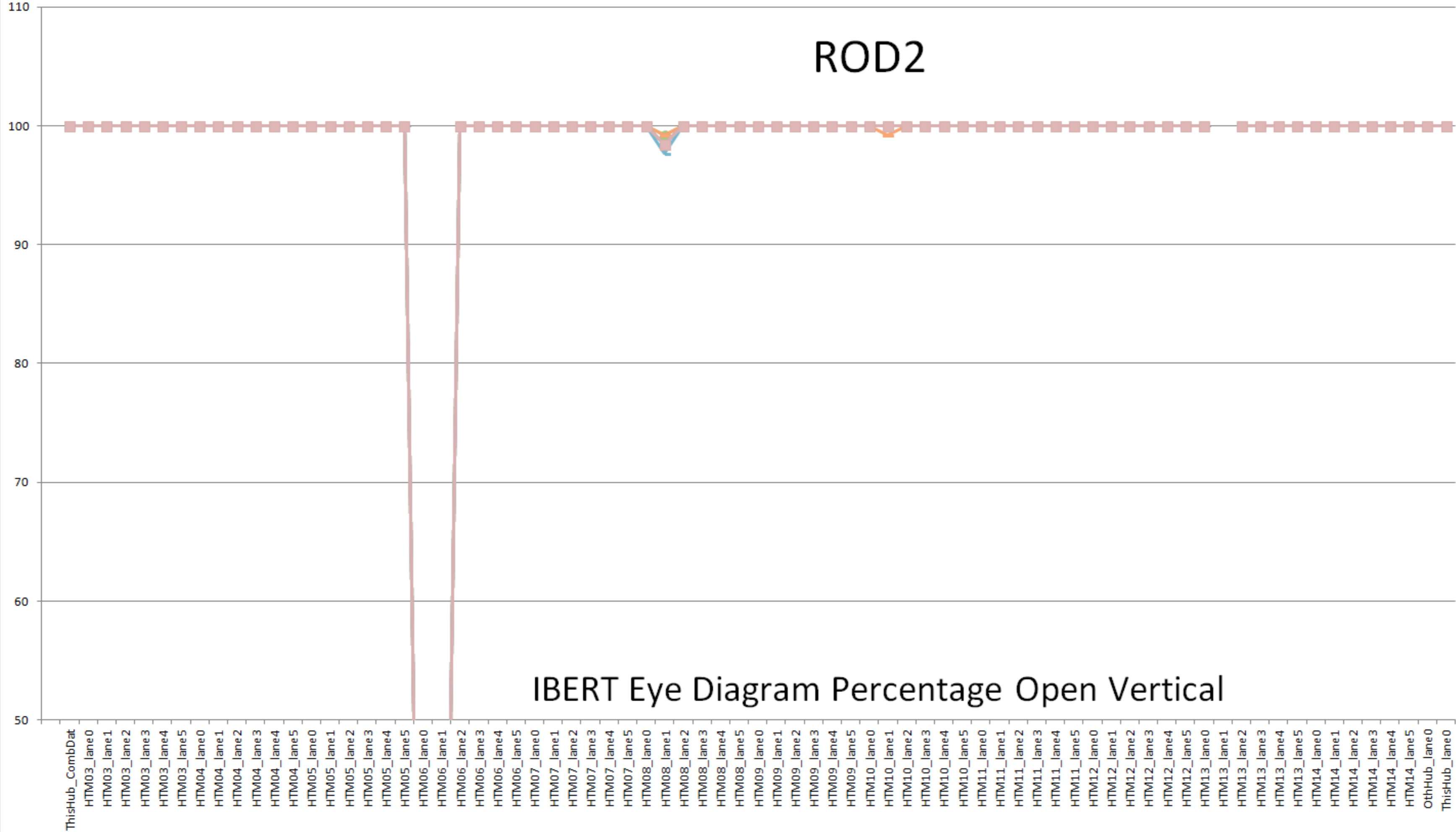
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Horizontal

ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer ON



IBERT Eye Diagram Percentage Open Vertical

- V% ROD2 07-Nov-2018_b noDFE&EqON
- V% ROD2 07-Nov-2018_c noDFE&EqON
- V% ROD2 07-Nov-2018_d noDFE&EqON
- V% ROD2 07-Nov-2018_e noDFE&EqON
- V% ROD2 07-Nov-2018_f noDFE&EqON
- V% ROD2 07-Nov-2018_g noDFE&EqON
- V%

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

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

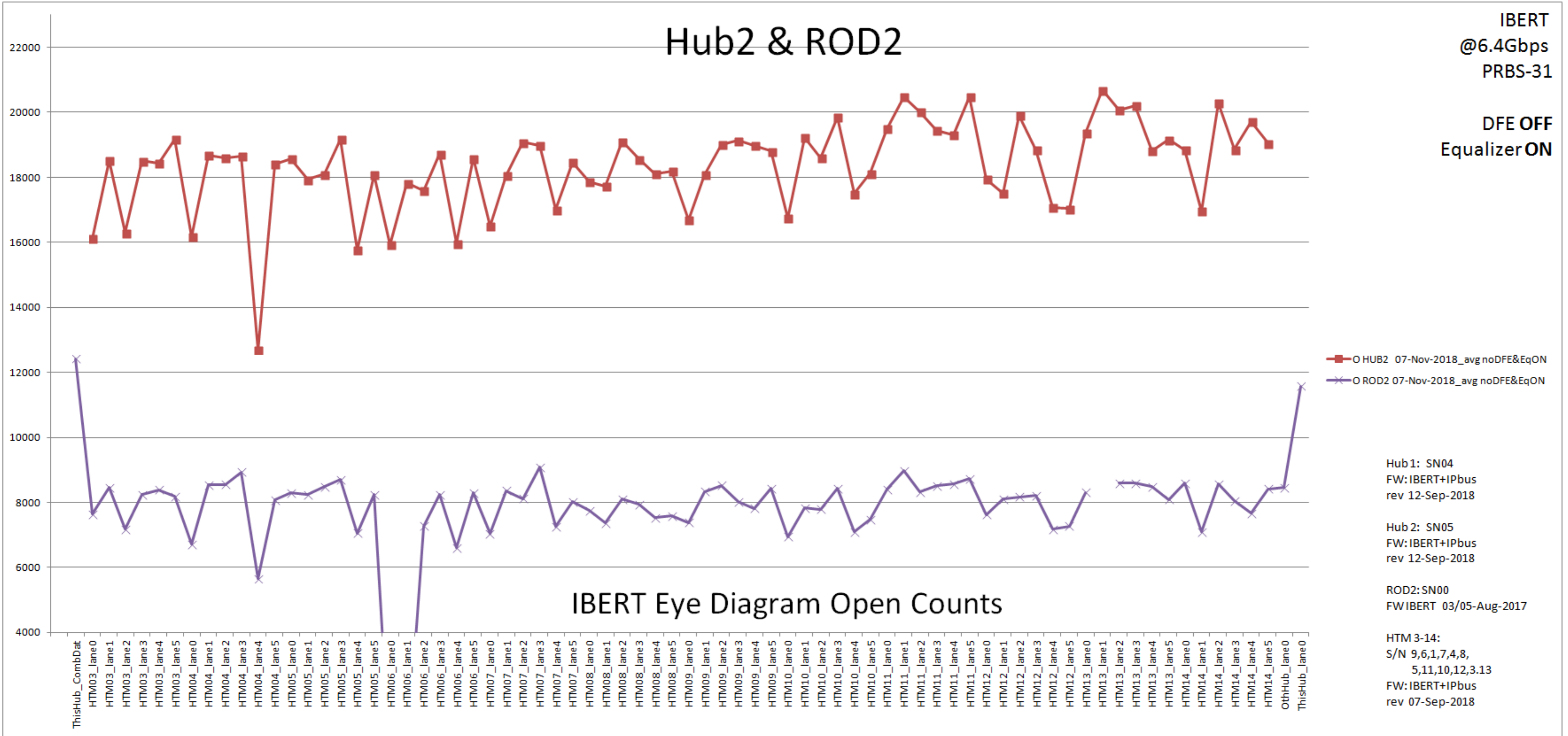
ROD2: SN00
FW: IBERT 03/05-Aug-2017

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

Hub2 & ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer ON



O HUB2 07-Nov-2018_avg noDFE&EqON
O ROD2 07-Nov-2018_avg noDFE&EqON

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

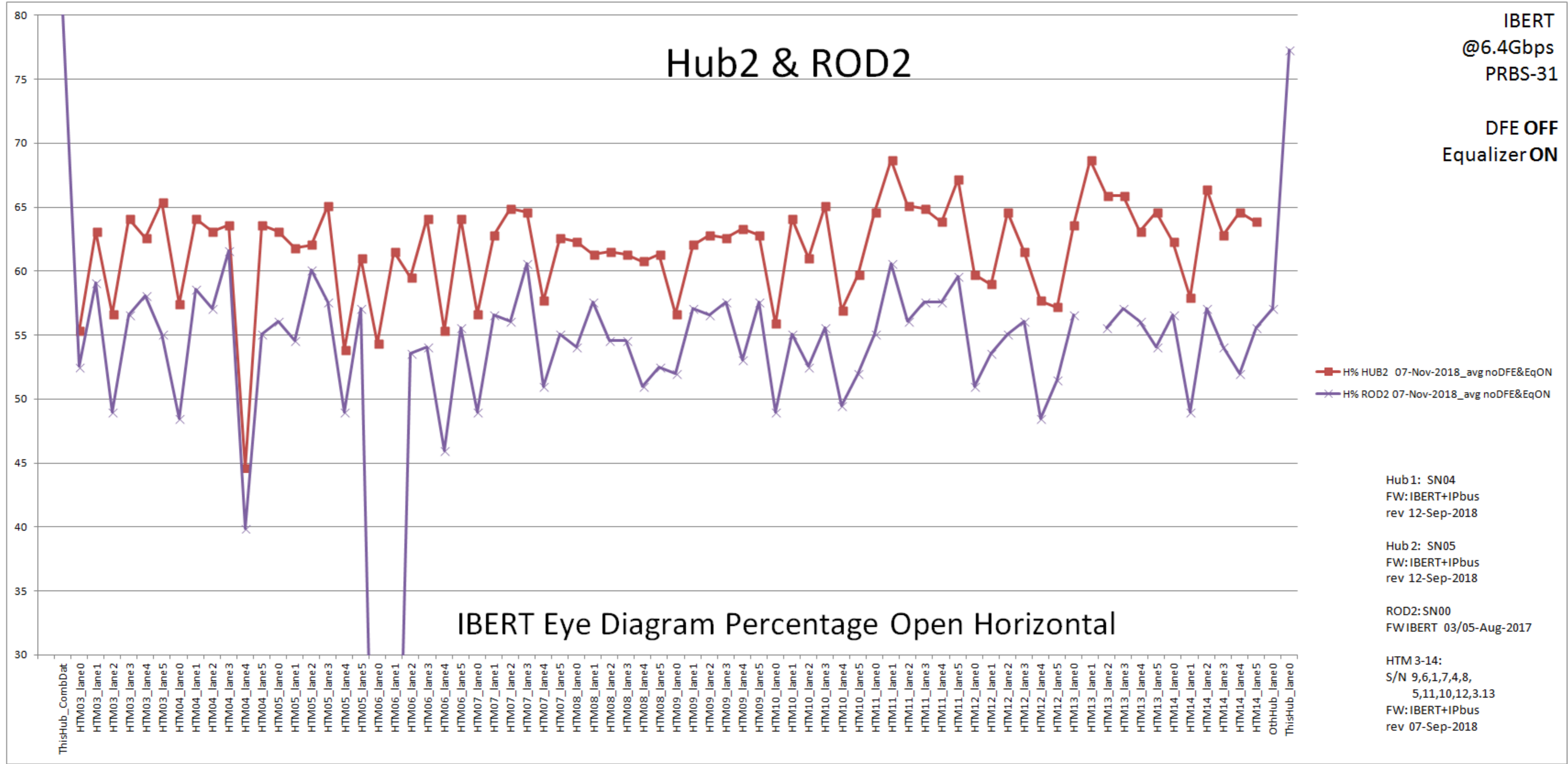
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3.13
FW:IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Open Counts

Hub2 & ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer ON



■ H% HUB2 07-Nov-2018_avg noDFE&EqON
 × H% ROD2 07-Nov-2018_avg noDFE&EqON

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

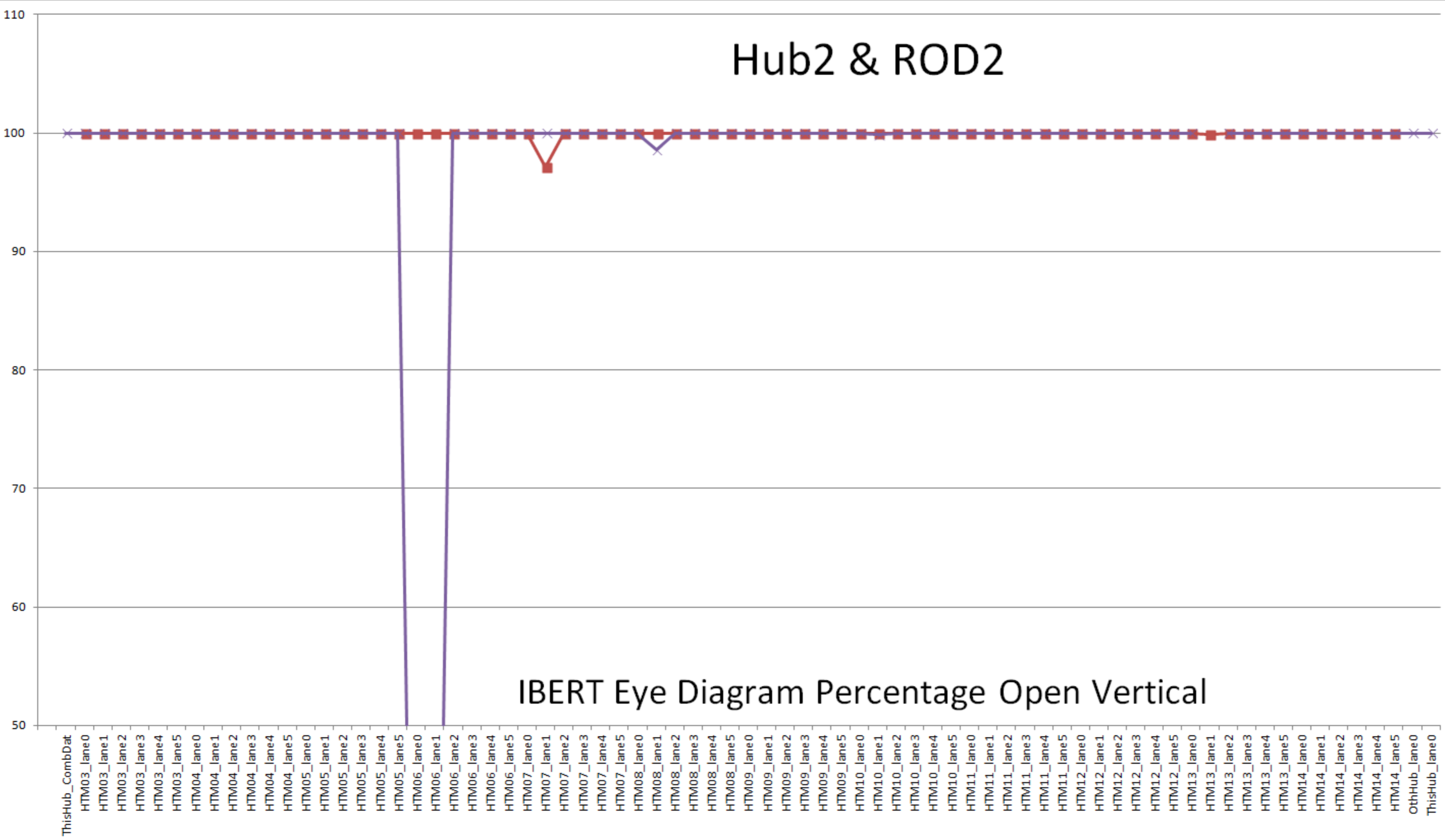
HTM 3-14:
 S/N 9,6,1,7,4,8,
 5,11,10,12,3,13
 FW: IBERT+IPbus
 rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Horizontal

Hub2 & ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer ON



V% HUB2 07-Nov-2018_avg noDFE&EqON
V% ROD2 07-Nov-2018_avg noDFE&EqON

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

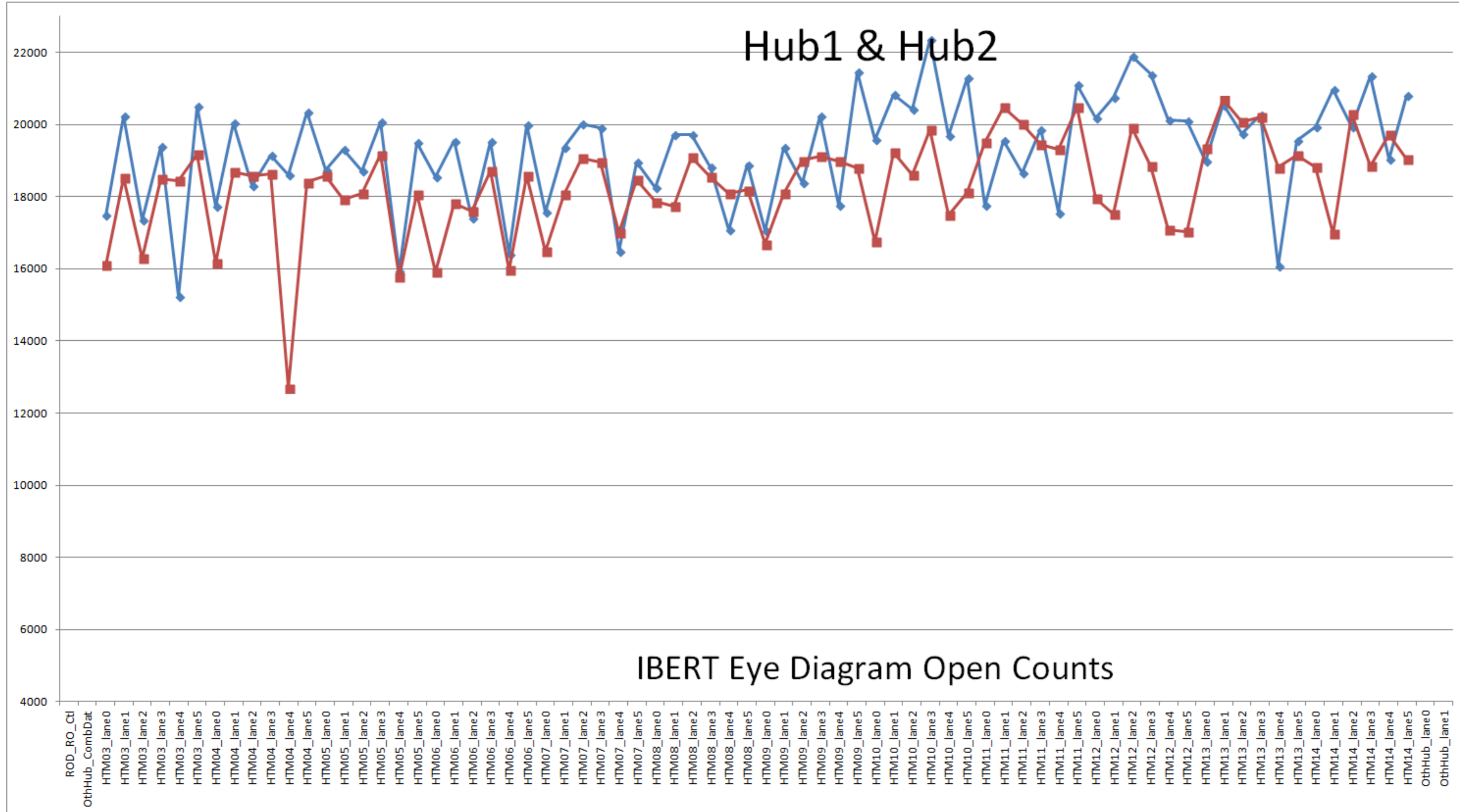
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Vertical

Hub1 & Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer ON



O HUB1 07-Nov-2018_avg noDFE&EqON
O HUB2 07-Nov-2018_avg noDFE&EqON

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

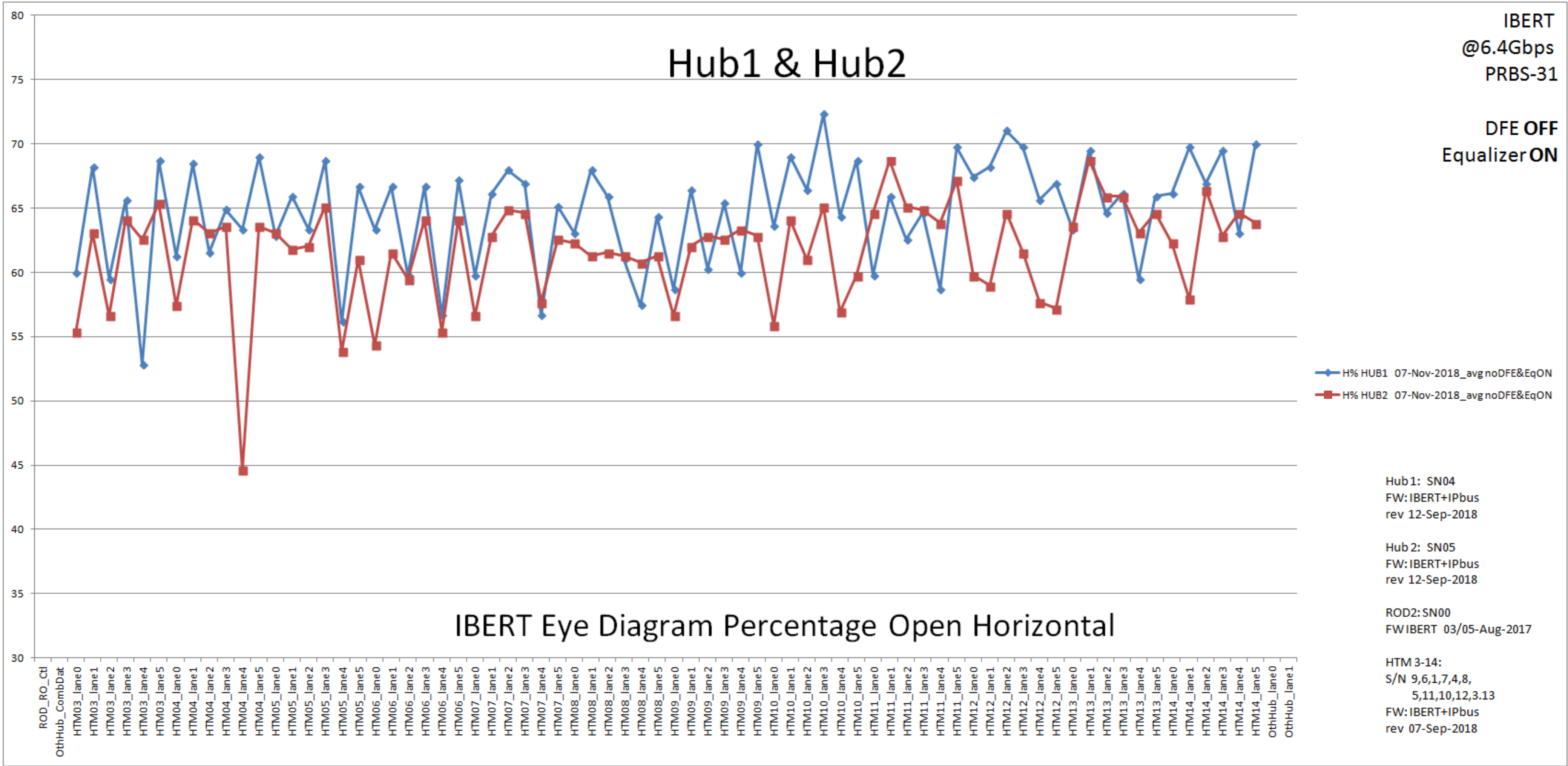
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3.13
FW:IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Open Counts

Hub1 & Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer ON



IBERT Eye Diagram Percentage Open Horizontal

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

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

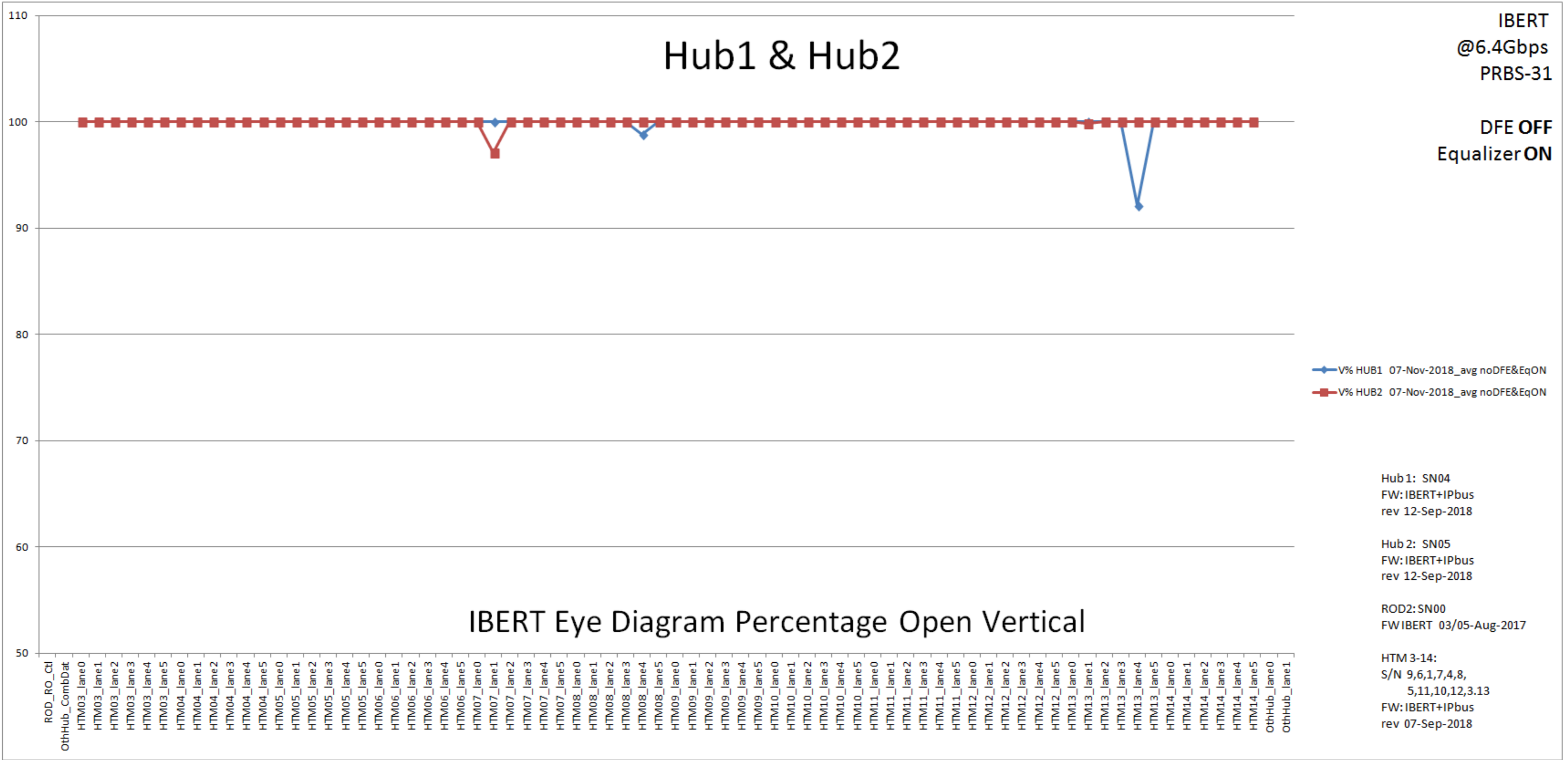
ROD2: SN00
FWIBERT 03/05-Aug-2017

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

Hub1 & Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer ON



V% HUB1 07-Nov-2018_avg noDFE&EqON
V% HUB2 07-Nov-2018_avg noDFE&EqON

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

IBERT Eye Diagram Percentage Open Vertical