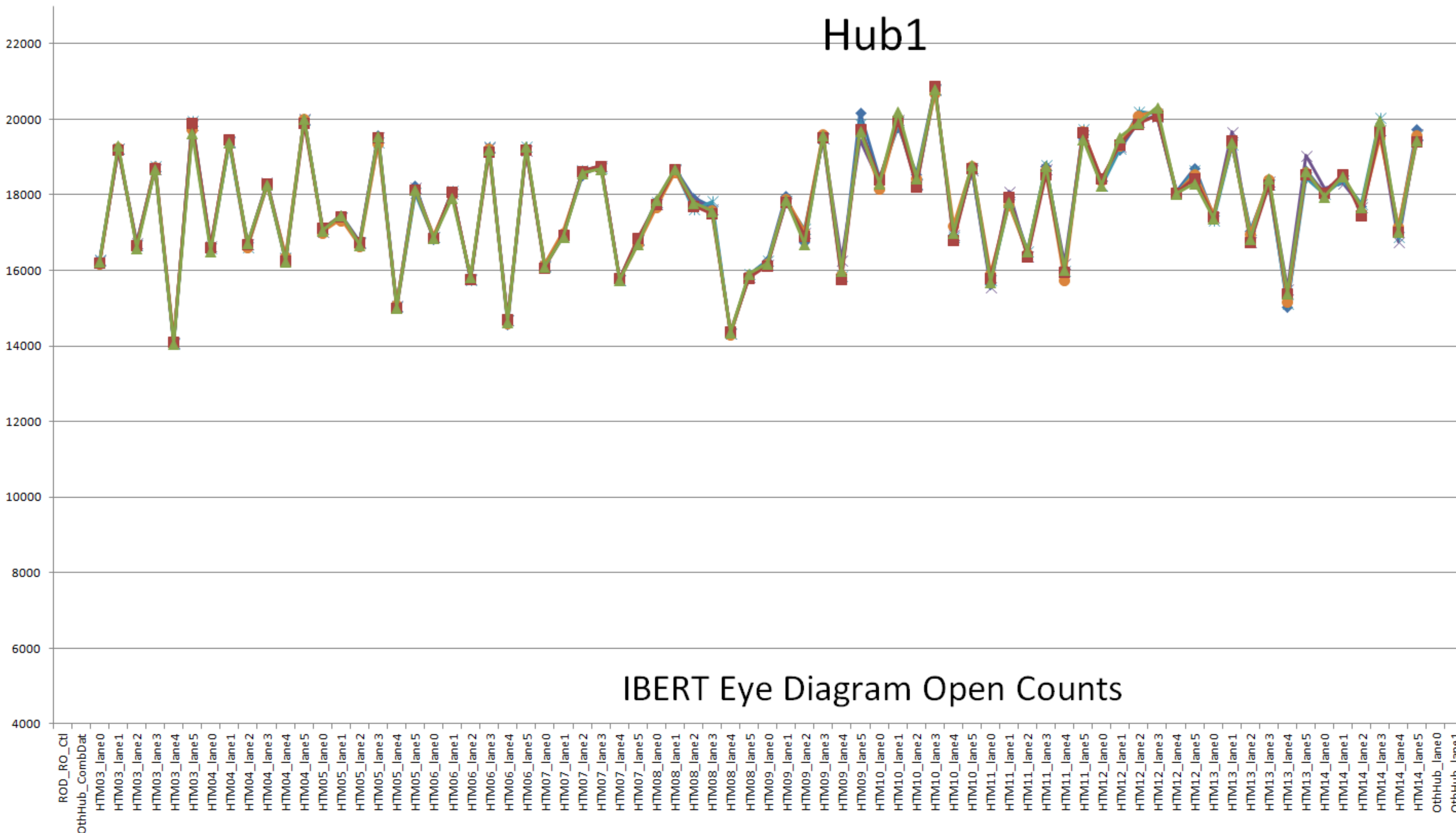


Hub1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



- O HUB1 16-Nov-2018_a noDFE&EqOFF
- O HUB1 17-Nov-2018_a noDFE&EqOFF
- O HUB1 17-Nov-2018_b noDFE&EqOFF
- O HUB1 17-Nov-2018_c noDFE&EqOFF
- O HUB1 17-Nov-2018_d noDFE&EqOFF
- O HUB1 18-Nov-2018_a noDFE&EqOFF
- O

Hub1: SN08
FW: IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW: IBERT+IPbus
rev 06-Nov2018

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

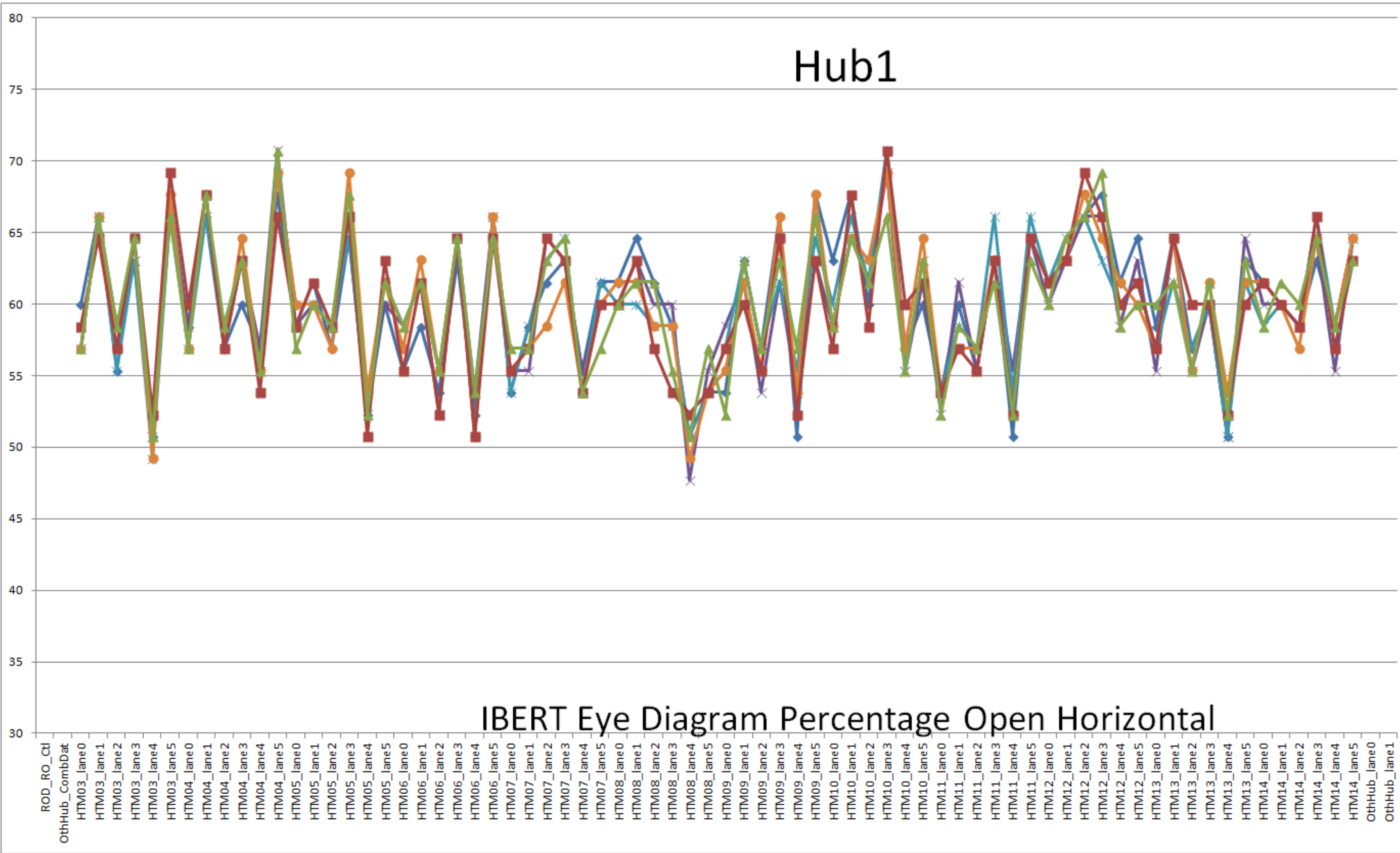
HTM3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Open Counts

Hub1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



- H% HUB1 16-Nov-2018_a noDFE&EqOFF
- H% HUB1 17-Nov-2018_a noDFE&EqOFF
- H% HUB1 17-Nov-2018_b noDFE&EqOFF
- H% HUB1 17-Nov-2018_c noDFE&EqOFF
- H% HUB1 17-Nov-2018_d noDFE&EqOFF
- H% HUB1 18-Nov-2018_a noDFE&EqOFF
- H%

Hub1: SN08
FW: IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW: IBERT+IPbus
rev 06-Nov2018

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

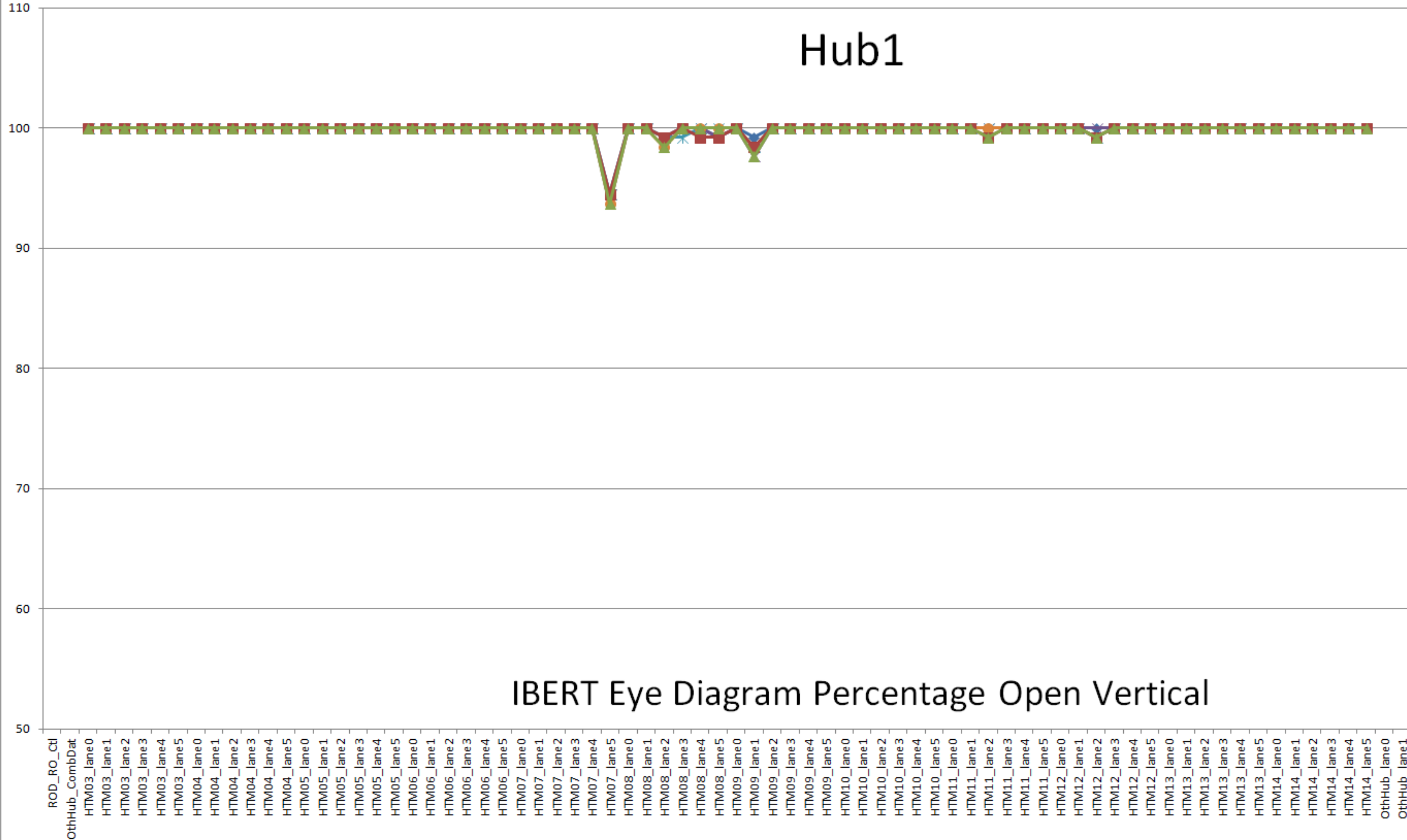
HTM3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Horizontal

Hub1

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



IBERT Eye Diagram Percentage Open Vertical

- V% HUB1 16-Nov-2018_a noDFE&EqOFF
- V% HUB1 17-Nov-2018_a noDFE&EqOFF
- V% HUB1 17-Nov-2018_b noDFE&EqOFF
- V% HUB1 17-Nov-2018_c noDFE&EqOFF
- V% HUB1 17-Nov-2018_d noDFE&EqOFF
- V% HUB1 18-Nov-2018_a noDFE&EqOFF
- V%

Hub1: SN08
FW: IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW: IBERT+IPbus
rev 06-Nov2018

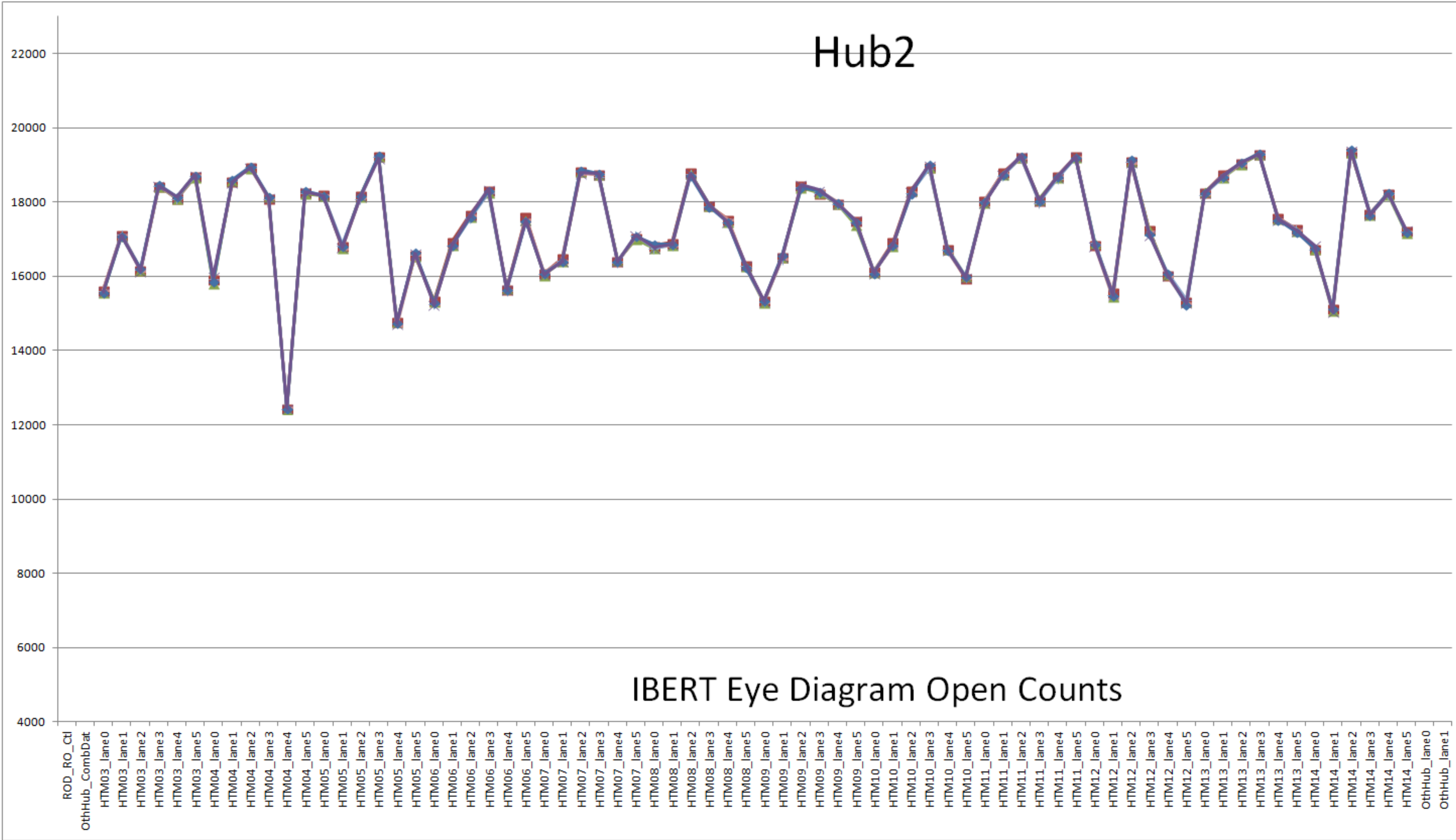
ROD2: SN00
FWIBERT 03/05-Aug-2017

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 OFF



- O HUB2 16-Nov-2018_a noDFE&EqOFF
- O HUB2 17-Nov-2018_a noDFE&EqOFF
- O HUB2 17-Nov-2018_b noDFE&EqOFF
- O HUB2 17-Nov-2018_c noDFE&EqOFF
- O HUB2 17-Nov-2018_d noDFE&EqOFF
- O HUB2 18-Nov-2018_a noDFE&EqOFF
- O

Hub1: SN08
FW: IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW: IBERT+IPbus
rev 06-Nov2018

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

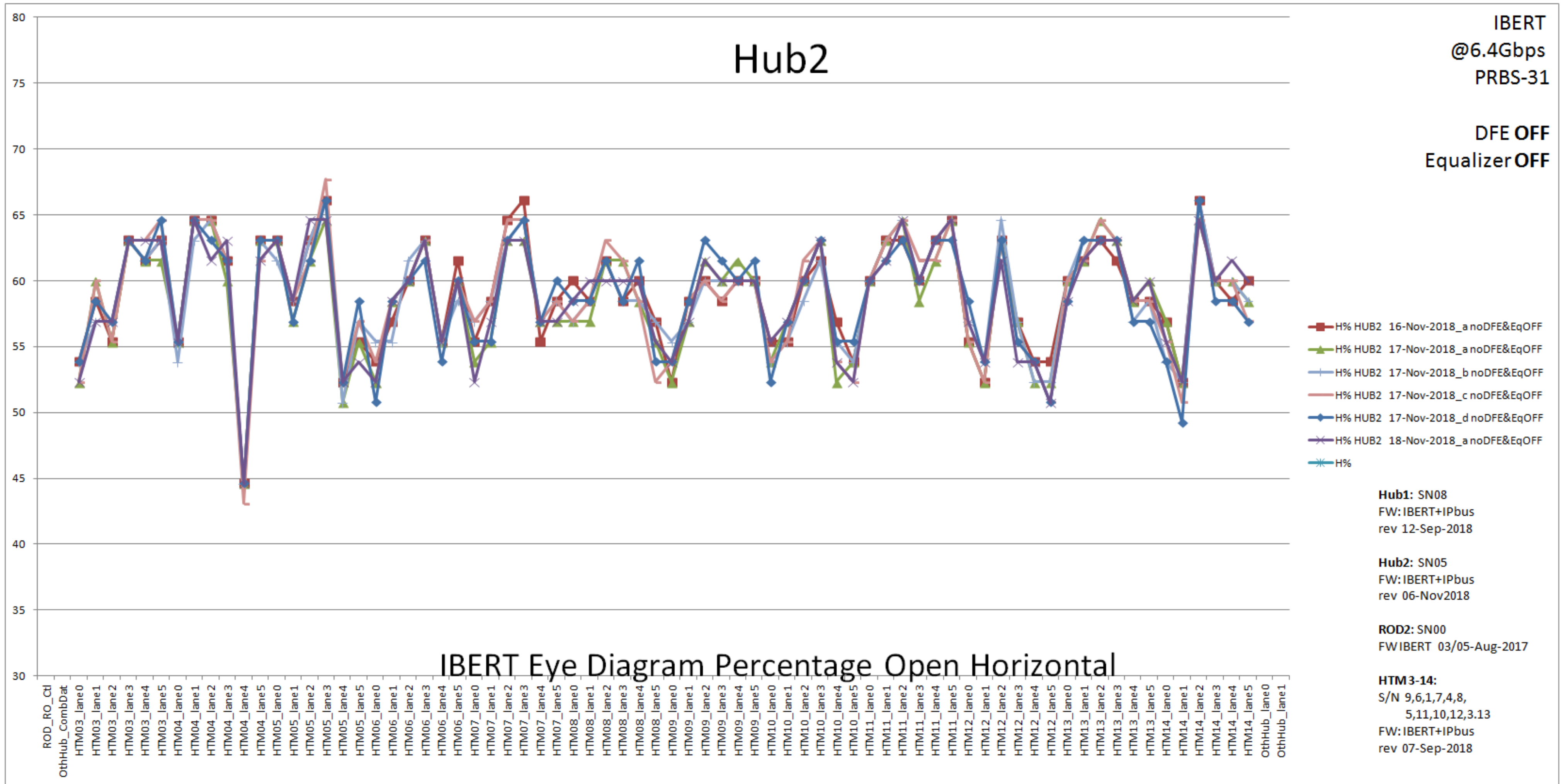
HTM3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Open Counts

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



- H% HUB2 16-Nov-2018_a noDFE&EqOFF
- H% HUB2 17-Nov-2018_a noDFE&EqOFF
- H% HUB2 17-Nov-2018_b noDFE&EqOFF
- H% HUB2 17-Nov-2018_c noDFE&EqOFF
- H% HUB2 17-Nov-2018_d noDFE&EqOFF
- H% HUB2 18-Nov-2018_a noDFE&EqOFF
- H%

Hub1: SN08
FW: IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW: IBERT+IPbus
rev 06-Nov2018

ROD2: SN00
FWIBERT 03/05-Aug-2017

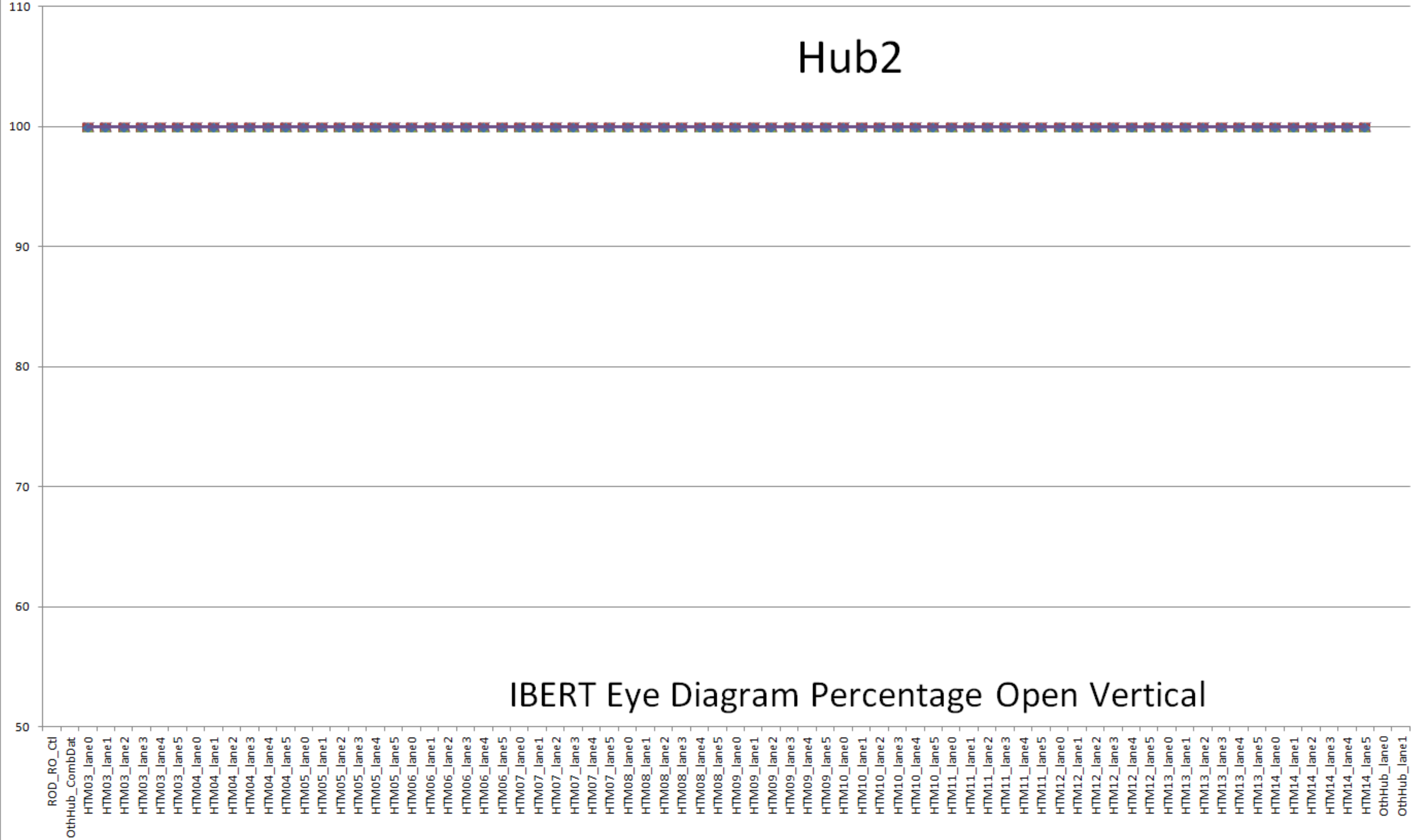
HTM3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Horizontal

Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



- V% HUB2 16-Nov-2018_a noDFE&EqOFF
- V% HUB2 17-Nov-2018_a noDFE&EqOFF
- V% HUB2 17-Nov-2018_b noDFE&EqOFF
- V% HUB2 17-Nov-2018_c noDFE&EqOFF
- V% HUB2 17-Nov-2018_d noDFE&EqOFF
- V% HUB2 18-Nov-2018_a noDFE&EqOFF
- V%

Hub1: SN08
FW: IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW: IBERT+IPbus
rev 06-Nov2018

ROD2: SN00
FWIBERT 03/05-Aug-2017

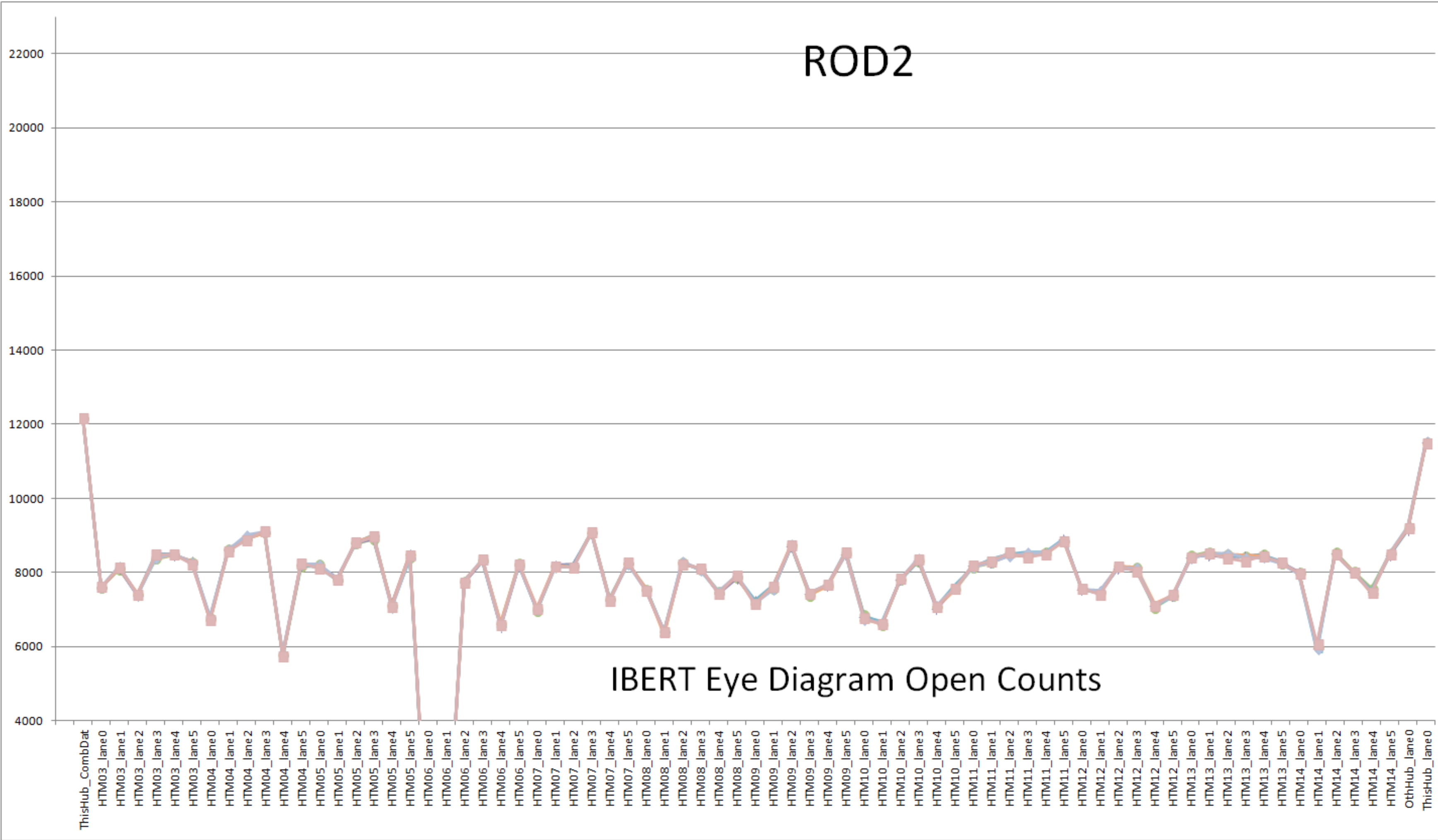
HTM 3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3.13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Vertical

ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



- O ROD2 16-Nov-2018_a noDFE&EqOFF
- O ROD2 17-Nov-2018_a noDFE&EqOFF
- O ROD2 17-Nov-2018_b noDFE&EqOFF
- O ROD2 17-Nov-2018_c noDFE&EqOFF
- O ROD2 17-Nov-2018_d noDFE&EqOFF
- O ROD2 18-Nov-2018_a noDFE&EqOFF
- O

Hub1: SN08
FW: IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW: IBERT+IPbus
rev 06-Nov2018

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

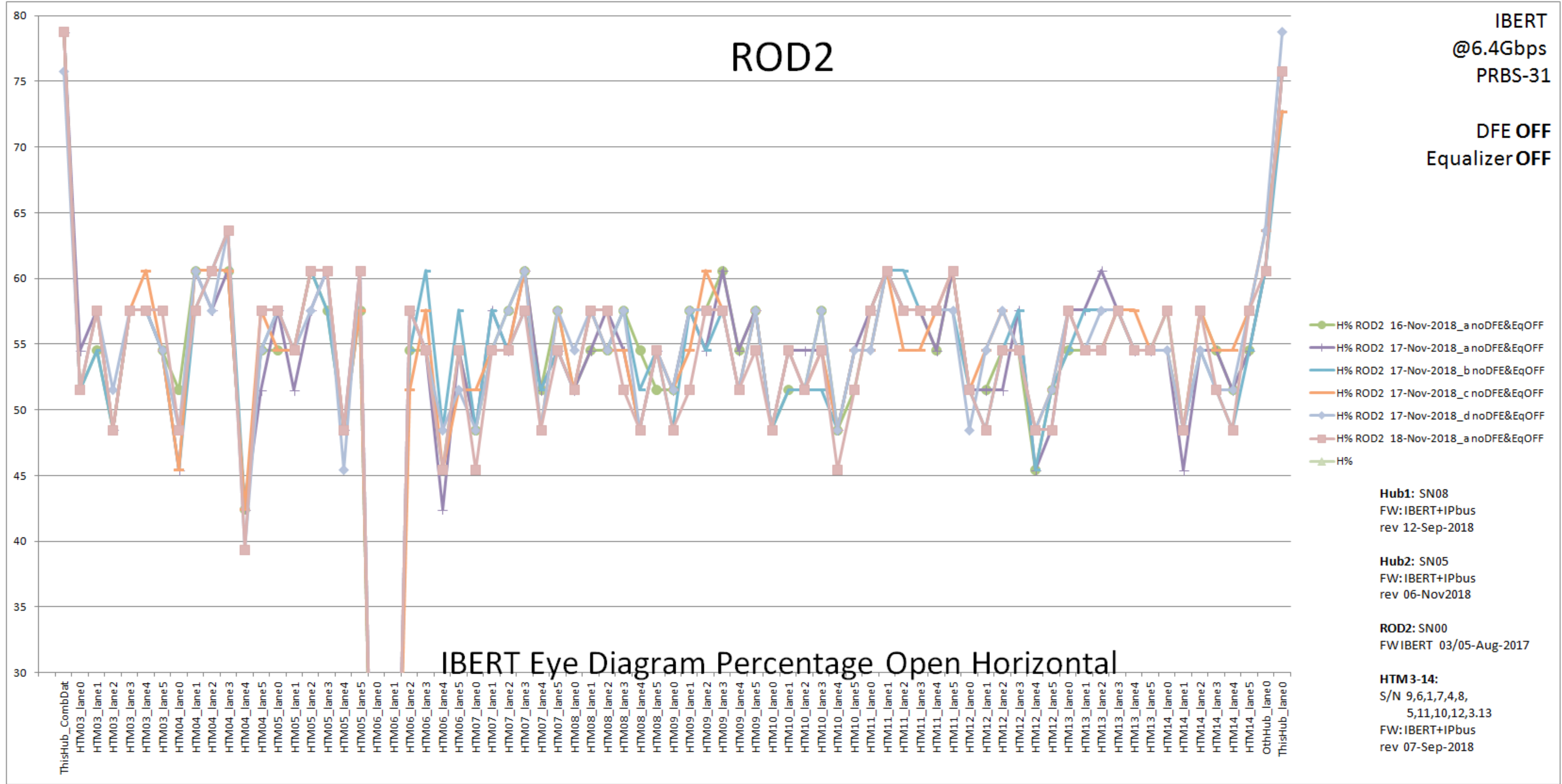
H3M13-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Open Counts

ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



IBERT Eye Diagram Percentage Open Horizontal

Hub1: SN08
FW: IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW: IBERT+IPbus
rev 06-Nov2018

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

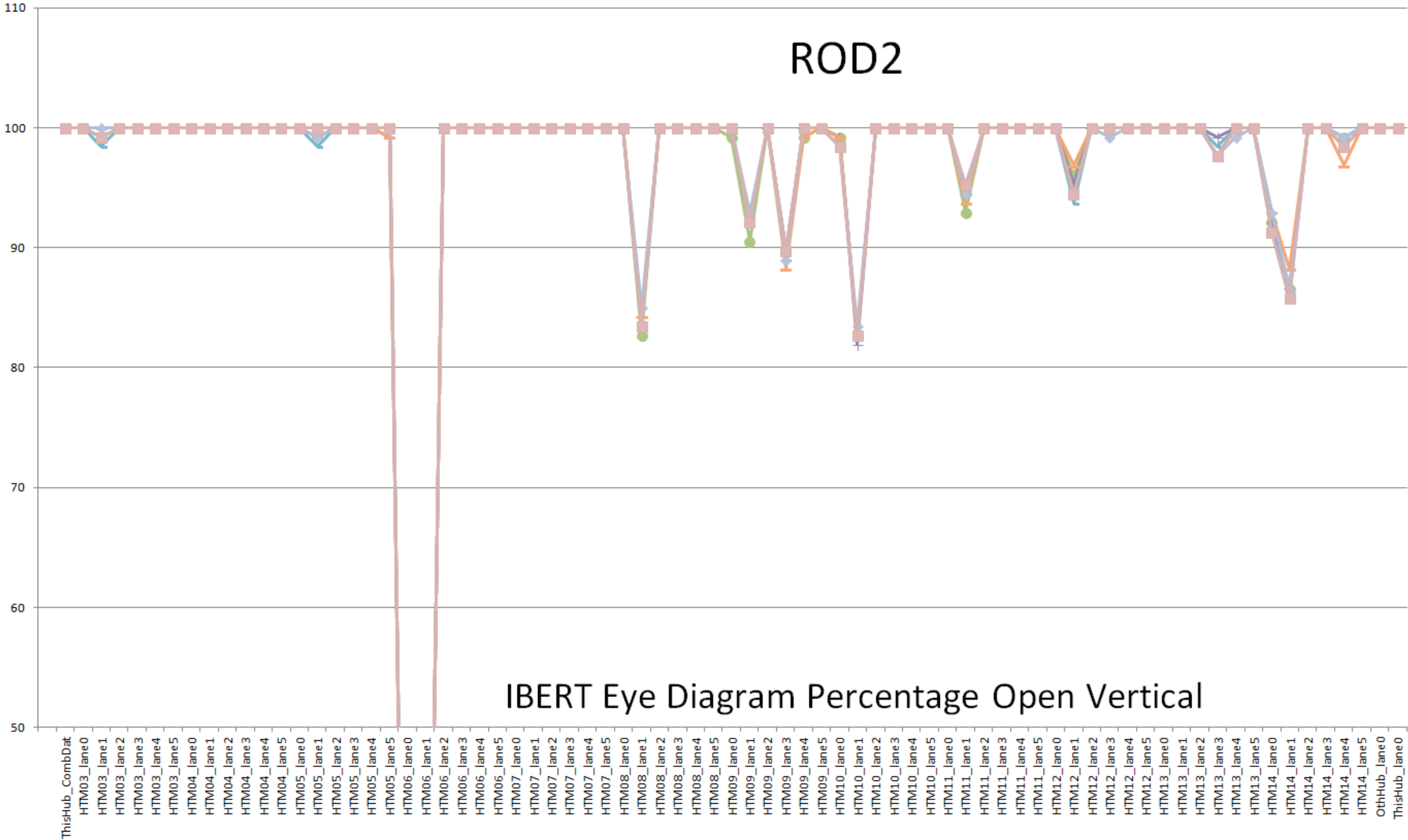
HTM3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3,13
FW: IBERT+IPbus
rev 07-Sep-2018

ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF

IBERT Eye Diagram Percentage Open Vertical



- V% ROD2 16-Nov-2018_a noDFE&EqOFF
- V% ROD2 17-Nov-2018_a noDFE&EqOFF
- V% ROD2 17-Nov-2018_b noDFE&EqOFF
- V% ROD2 17-Nov-2018_c noDFE&EqOFF
- V% ROD2 17-Nov-2018_d noDFE&EqOFF
- V% ROD2 18-Nov-2018_a noDFE&EqOFF
- V%

Hub1: SN08
FW: IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW: IBERT+IPbus
rev 06-Nov2018

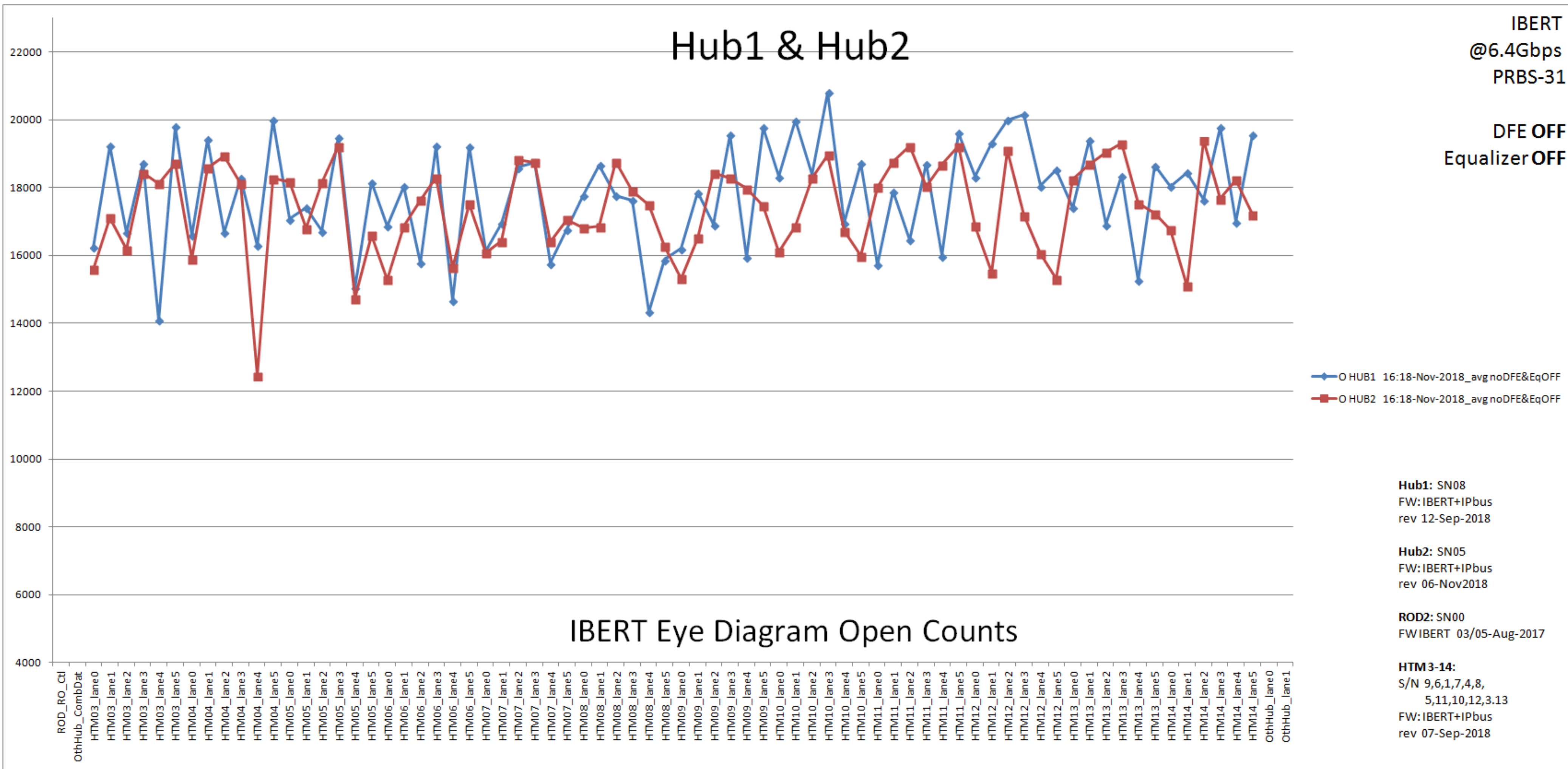
ROD2: SN00
FWIBERT 03/05-Aug-2017

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 OFF



◆ O HUB1 16:18-Nov-2018_avg noDFE&EqOFF
■ O HUB2 16:18-Nov-2018_avg noDFE&EqOFF

Hub1: SN08
 FW: IBERT+IPbus
 rev 12-Sep-2018

Hub2: SN05
 FW: IBERT+IPbus
 rev 06-Nov2018

ROD2: SN00
 FWIBERT 03/05-Aug-2017

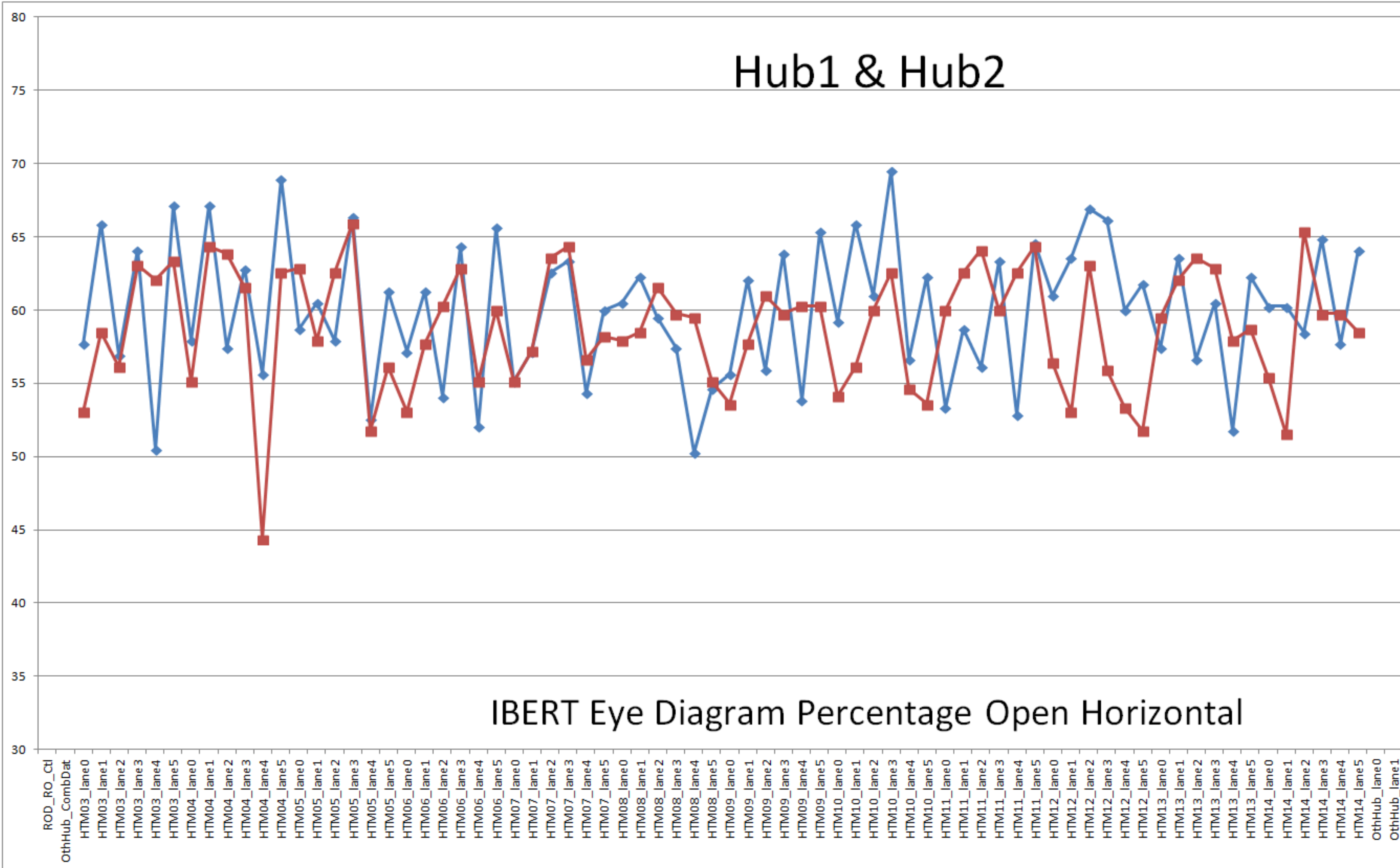
HTM3-14:
 S/N 9,6,1,7,4,8,
 5,11,10,12,3,13
 FW: IBERT+IPbus
 rev 07-Sep-2018

IBERT Eye Diagram Open Counts

Hub1 & Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



◆ H% HUB1 16:18-Nov-2018_avg noDFE&EqOFF
■ H% HUB2 16:18-Nov-2018_avg noDFE&EqOFF

Hub1: SN08
 FW: IBERT+IPbus
 rev 12-Sep-2018

Hub2: SN05
 FW: IBERT+IPbus
 rev 06-Nov2018

ROD2: SN00
 FWIBERT 03/05-Aug-2017

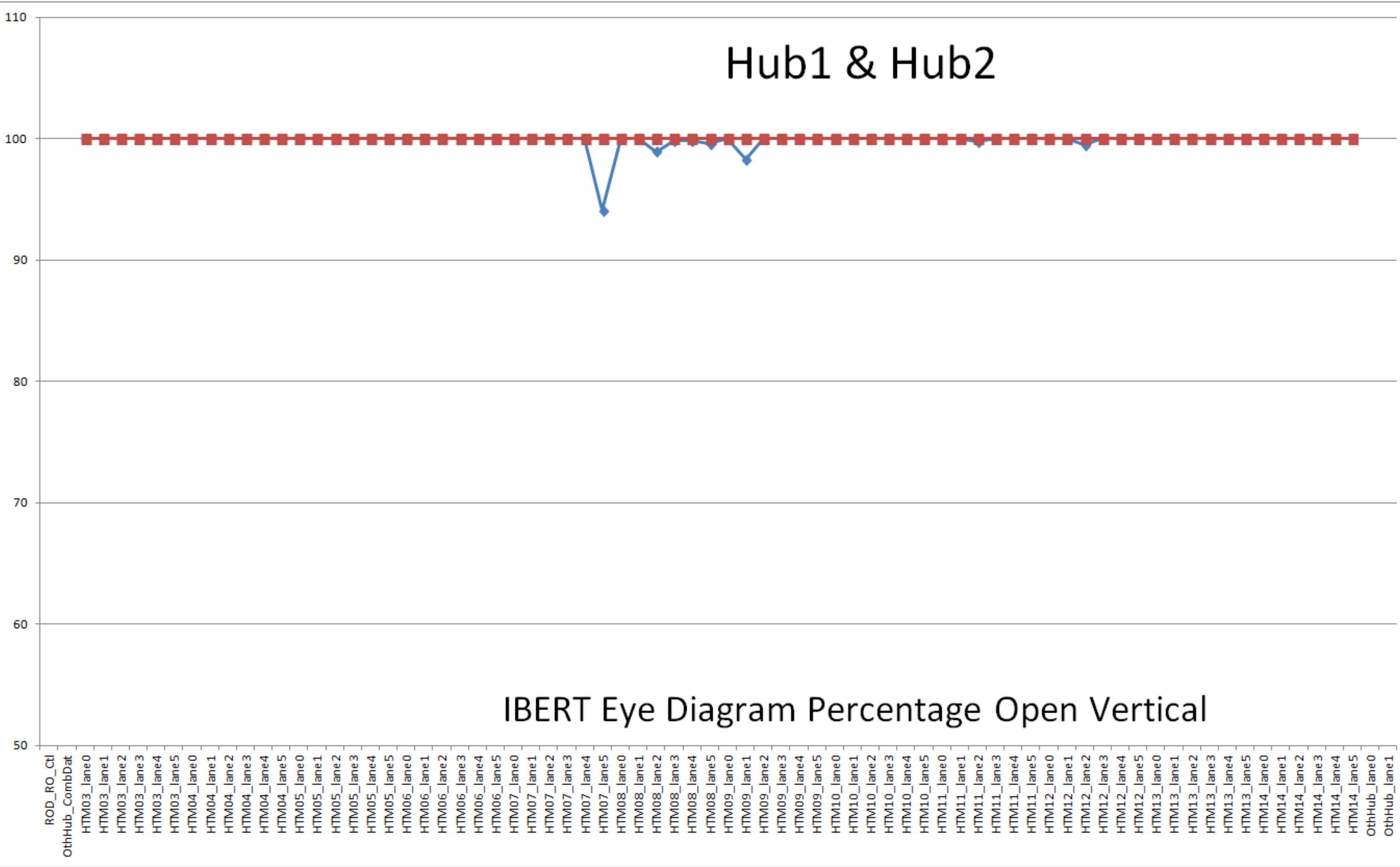
HTM3-14:
 S/N 9,6,1,7,4,8,
 5,11,10,12,3.13
 FW: IBERT+IPbus
 rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Horizontal

Hub1 & Hub2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



V% HUB1 16:18-Nov-2018_avg noDFE&EqOFF
V% HUB2 16:18-Nov-2018_avg noDFE&EqOFF

Hub1: SN08
FW: IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW: IBERT+IPbus
rev 06-Nov2018

ROD2: SN00
FWIBERT 03/05-Aug-2017

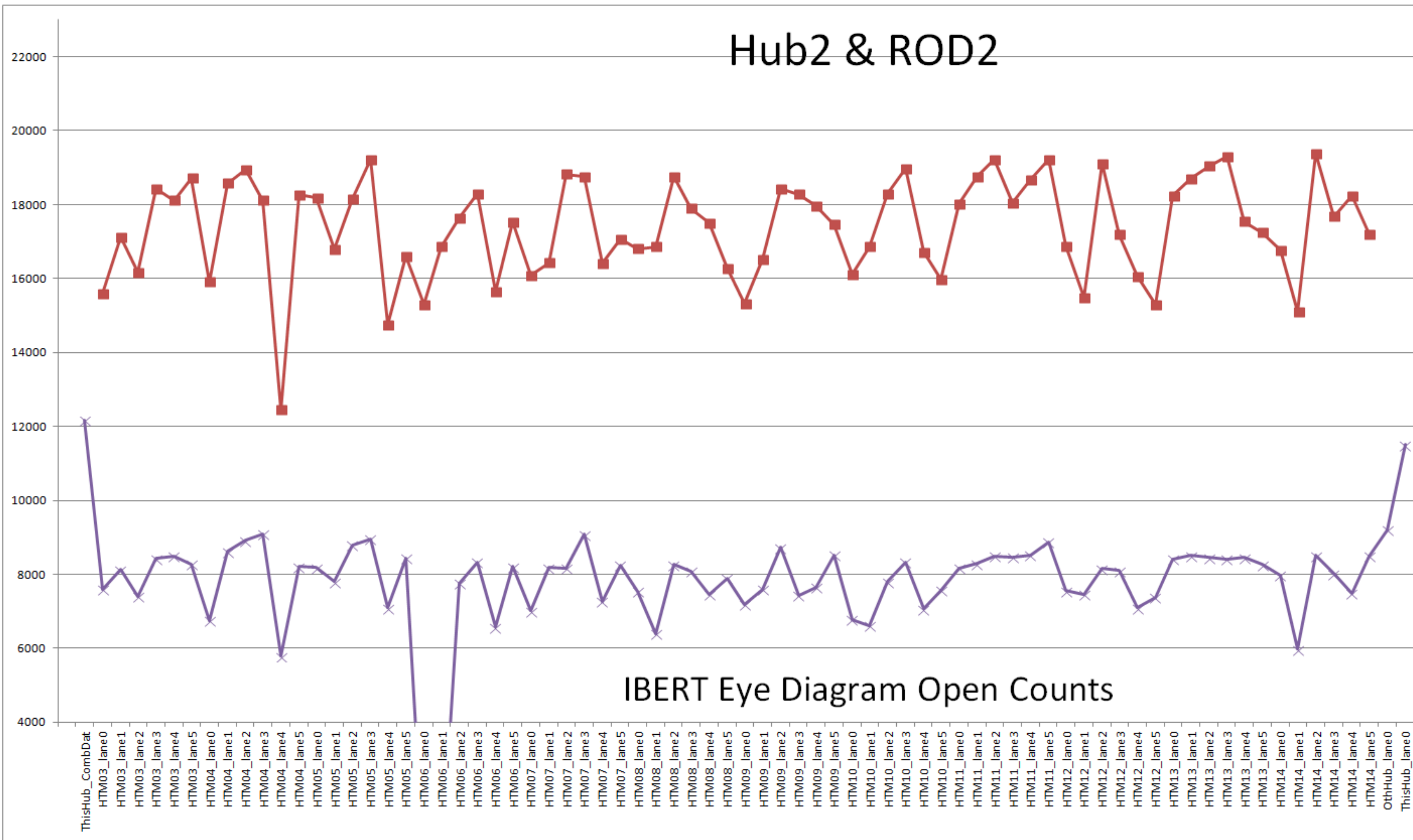
HTM3-14:
S/N 9,6,1,7,4,8,
5,11,10,12,3.13
FW: IBERT+IPbus
rev 07-Sep-2018

IBERT Eye Diagram Percentage Open Vertical

Hub2 & ROD2

IBERT
@6.4Gbps
PRBS-31

DFE OFF
Equalizer OFF



■ O HUB2 16:18-Nov-2018_avg noDFE&EqOFF
x O ROD2 16:18-Nov-2018_avg noDFE&EqOFF

Hub1: SN08
 FW: IBERT+IPbus
 rev 12-Sep-2018

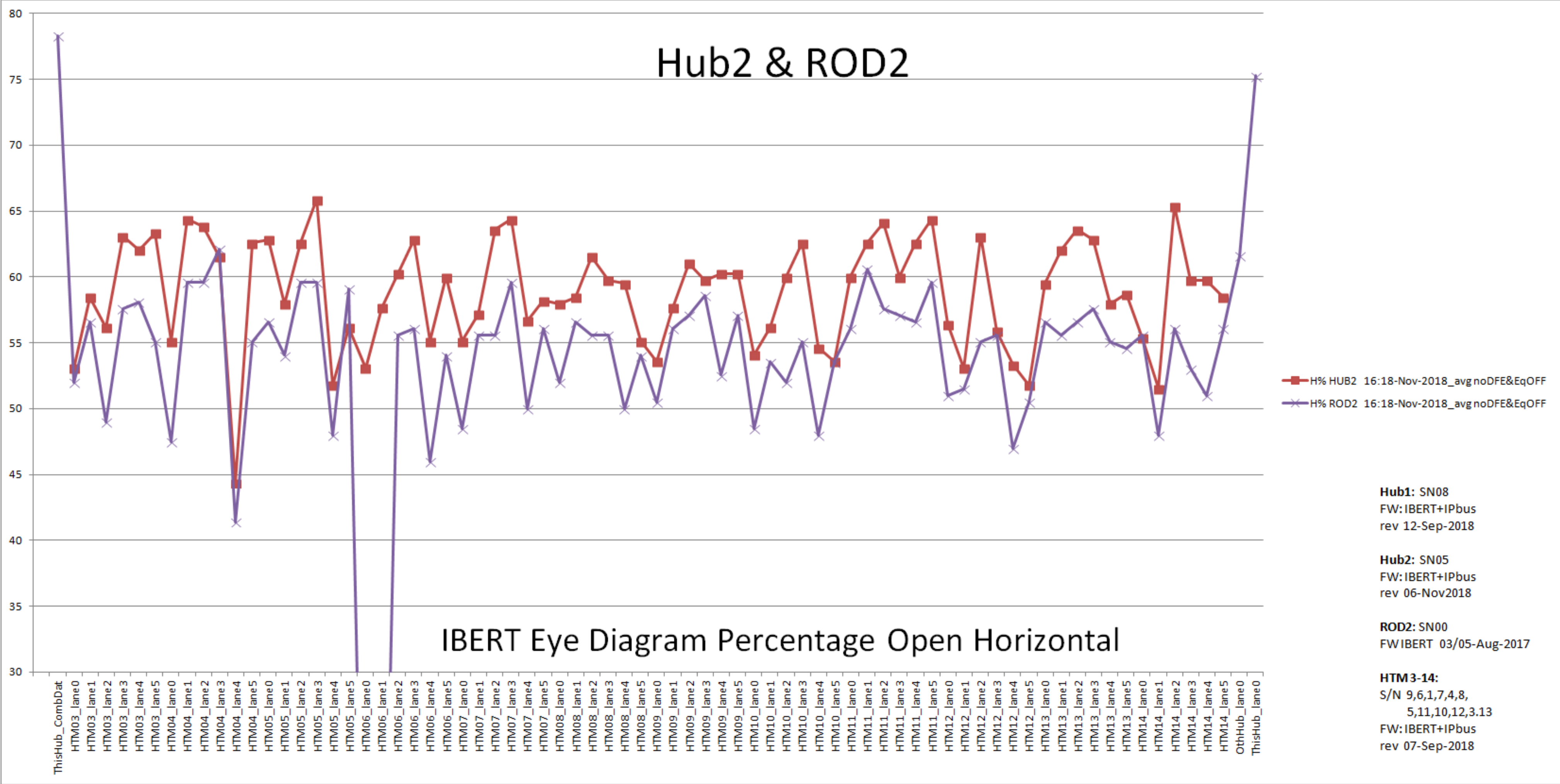
Hub2: SN05
 FW: IBERT+IPbus
 rev 06-Nov2018

ROD2: SN00
 FWIBERT 03/05-Aug-2017

HTM3-14:
 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 Eye Diagram Percentage Open Horizontal

Hub1: SN08
 FW: IBERT+IPbus
 rev 12-Sep-2018

Hub2: SN05
 FW: IBERT+IPbus
 rev 06-Nov2018

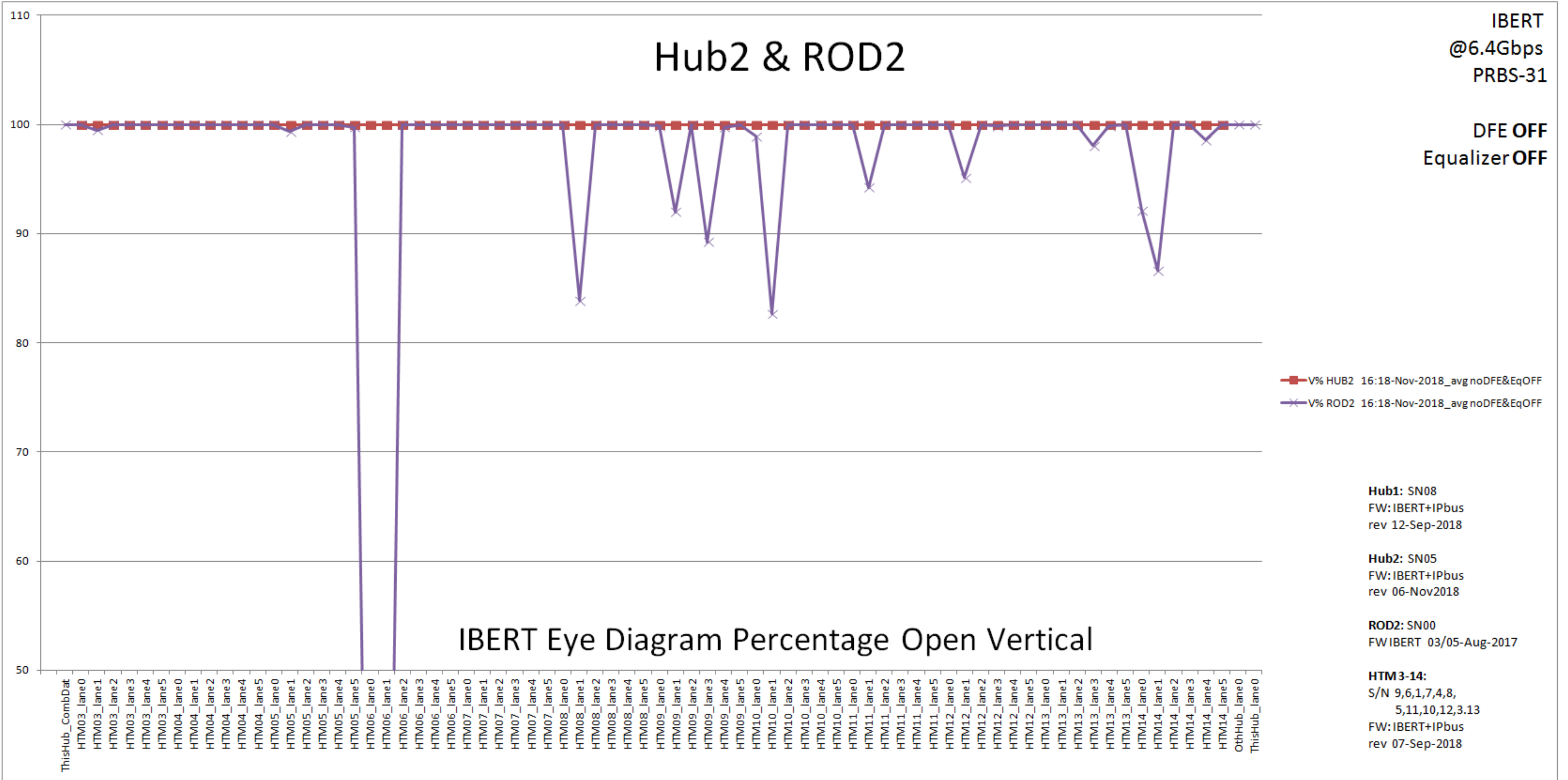
ROD2: SN00
 FW: IBERT 03/05-Aug-2017

HTM3-14:
 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 Vertical

Hub1: SN08
FW: IBERT+IPbus
rev 12-Sep-2018

Hub2: SN05
FW: IBERT+IPbus
rev 06-Nov2018

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