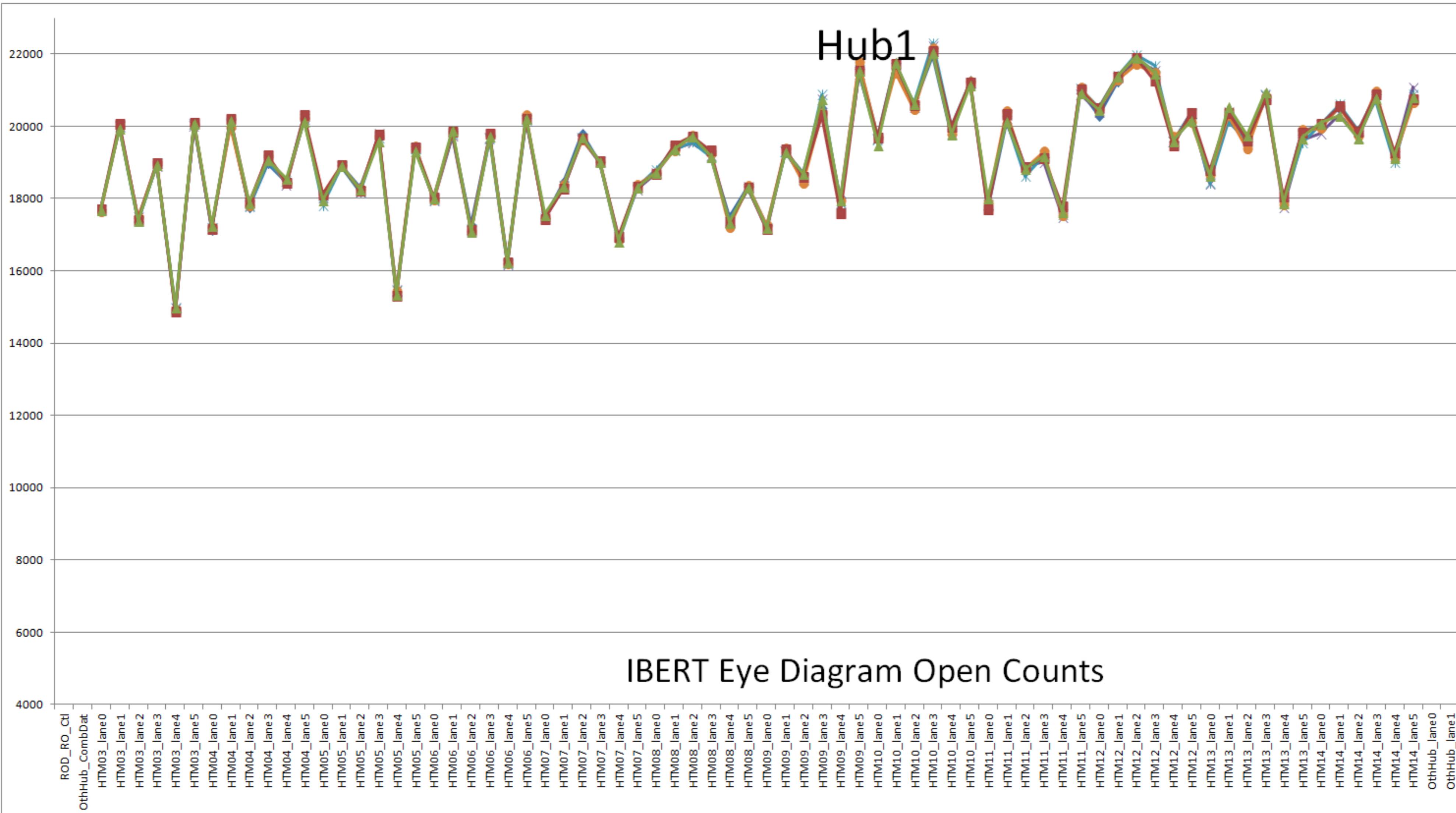


# Hub1

IBERT  
@6.4Gbps  
PRBS-31

DFE OFF  
Equalizer ON



- O HUB1 04-Nov-2018\_a noDFE&EqON
- O HUB1 04-Nov-2018\_b noDFE&EqON
- O HUB1 04-Nov-2018\_c noDFE&EqON
- O HUB1 04-Nov-2018\_d noDFE&EqON
- O HUB1 04-Nov-2018\_e noDFE&EqON
- O HUB1 04-Nov-2018\_f noDFE&EqON
- O

## IBERT Eye Diagram Open Counts

Hub1: S/N 5 w/RODS/N 0  
FW: IBERT+IPbus  
rev 12-Sep-2018

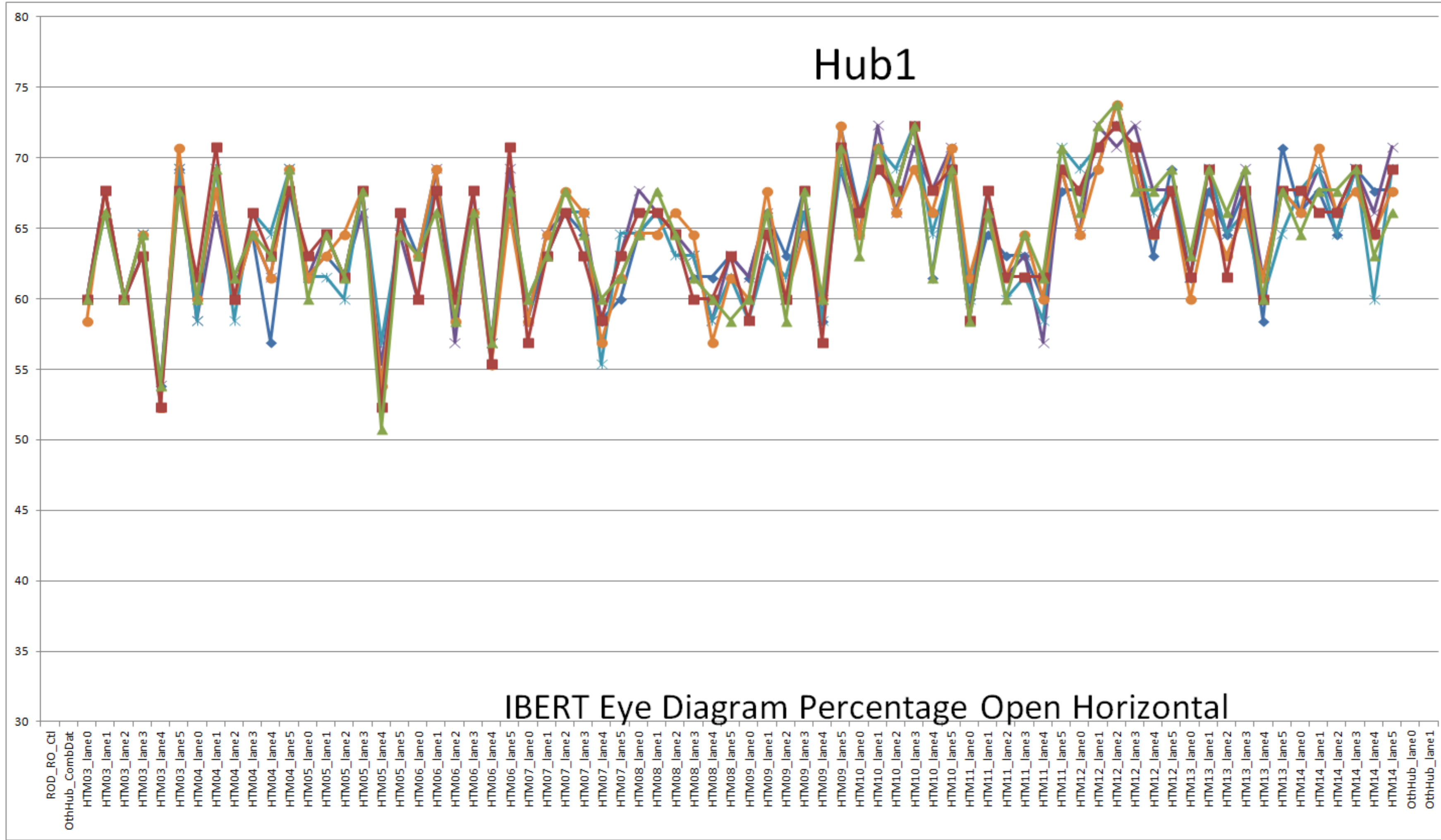
Hub2: S/N 4  
FW: IBERT+IPbus  
rev 12-Sep-2018

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

IBERT  
@6.4Gbps  
PRBS-31

DFE OFF  
Equalizer ON



- H% HUB1 04-Nov-2018\_a noDFE&EqON
- H% HUB1 04-Nov-2018\_b noDFE&EqON
- H% HUB1 04-Nov-2018\_c noDFE&EqON
- H% HUB1 04-Nov-2018\_d noDFE&EqON
- H% HUB1 04-Nov-2018\_e noDFE&EqON
- H% HUB1 04-Nov-2018\_f noDFE&EqON
- H%

Hub1: S/N5 w/RODS/N0  
FW: IBERT+IPbus  
rev 12-Sep-2018

Hub2: S/N4  
FW: IBERT+IPbus  
rev 12-Sep-2018

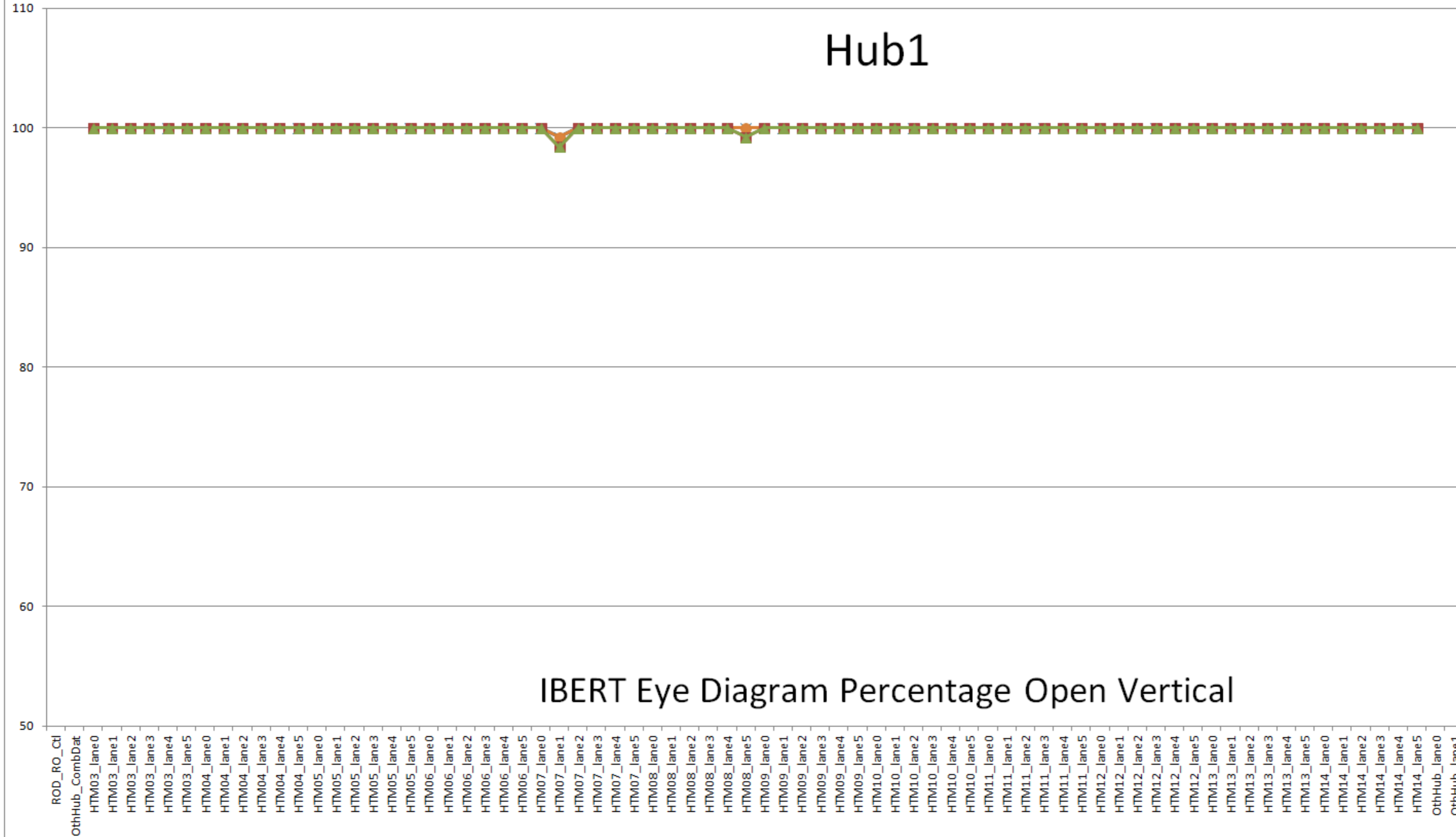
HTM 3-14:  
S/N 9,6,1,7,4,8,  
5,11,10,12,3,13  
FW: IBERT+IPbus  
rev 07-Sep-2018

## IBERT Eye Diagram Percentage Open Horizontal

# Hub1

IBERT  
@6.4Gbps  
PRBS-31

DFE OFF  
Equalizer ON



- V% HUB1 04-Nov-2018\_a noDFE&EqON
- V% HUB1 04-Nov-2018\_b noDFE&EqON
- V% HUB1 04-Nov-2018\_c noDFE&EqON
- V% HUB1 04-Nov-2018\_d noDFE&EqON
- V% HUB1 04-Nov-2018\_e noDFE&EqON
- V% HUB1 04-Nov-2018\_f noDFE&EqON
- V%

Hub1: S/N5 w/RODS/N0  
FW: IBERT+IPbus  
rev 12-Sep-2018

Hub2: S/N4  
FW: IBERT+IPbus  
rev 12-Sep-2018

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

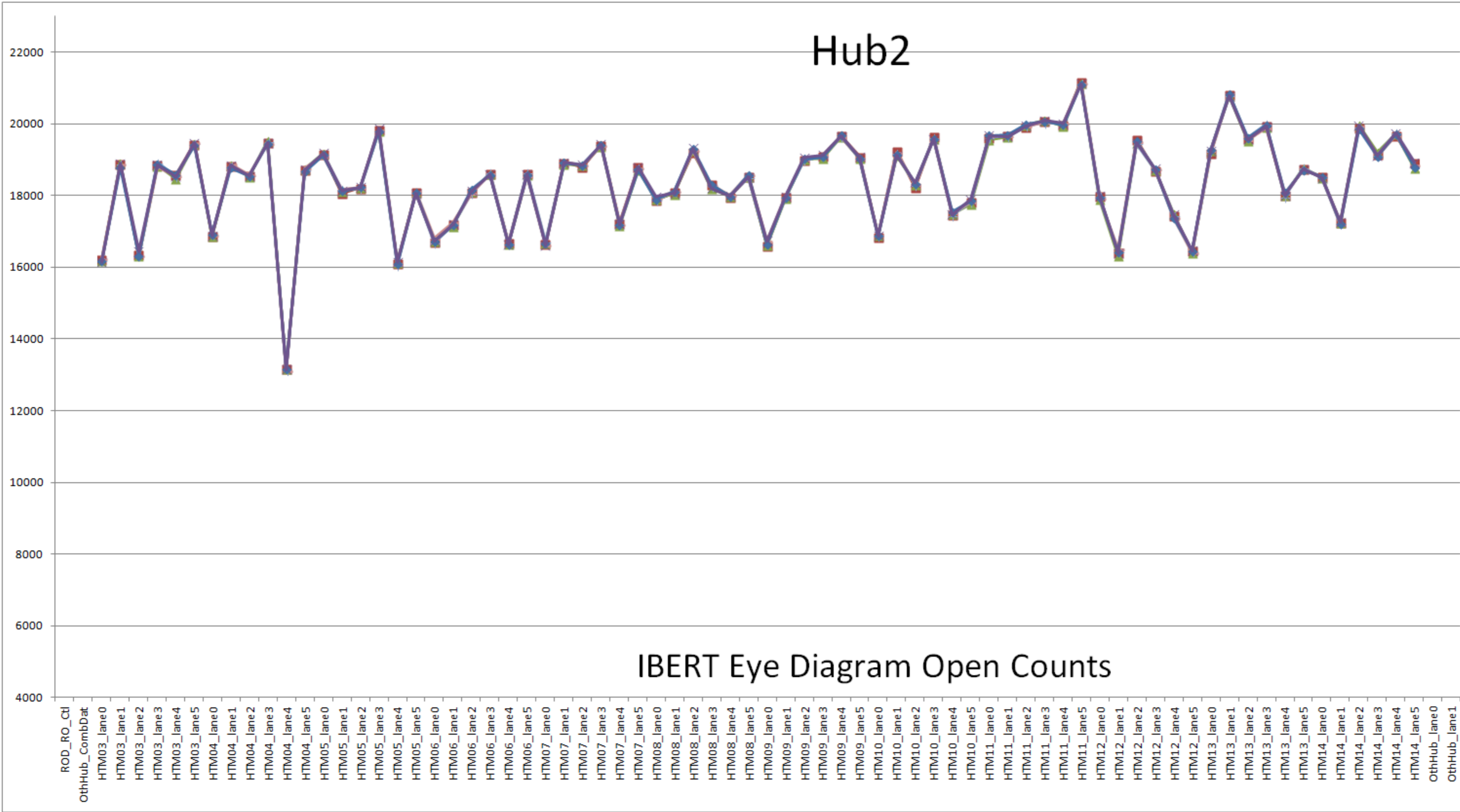
## IBERT Eye Diagram Percentage Open Vertical



# Hub2

IBERT  
@6.4Gbps  
PRBS-31

DFE OFF  
Equalizer ON



- O HUB2 04-Nov-2018\_a noDFE&EqON
- O HUB2 04-Nov-2018\_b noDFE&EqON
- O HUB2 04-Nov-2018\_c noDFE&EqON
- O HUB2 04-Nov-2018\_d noDFE&EqON
- O HUB2 04-Nov-2018\_e noDFE&EqON
- O HUB2 04-Nov-2018\_f noDFE&EqON
- O

Hub1: S/N5 w/RODS/N0  
FW:IBERT+IPbus  
rev 12-Sep-2018

Hub2: S/N4  
FW:IBERT+IPbus  
rev 12-Sep-2018

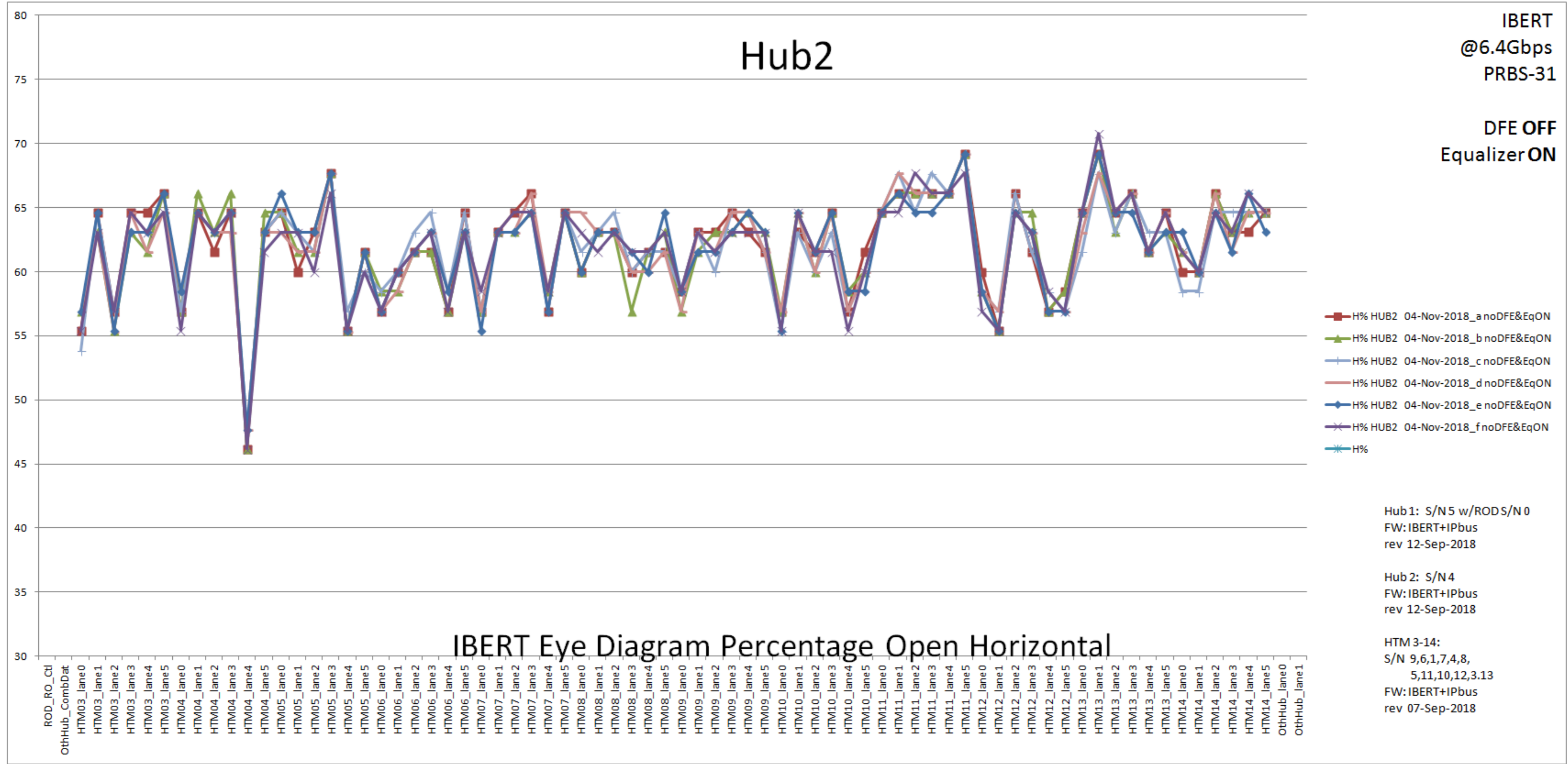
HTM 3-14:  
S/N 9,6,1,7,4,8,  
5,11,10,12,3,13  
FW:IBERT+IPbus  
rev 07-Sep-2018

## IBERT Eye Diagram Open Counts

# Hub2

IBERT  
@6.4Gbps  
PRBS-31

DFE OFF  
Equalizer ON



- H% HUB2 04-Nov-2018\_a noDFE&EqON
- H% HUB2 04-Nov-2018\_b noDFE&EqON
- H% HUB2 04-Nov-2018\_c noDFE&EqON
- H% HUB2 04-Nov-2018\_d noDFE&EqON
- H% HUB2 04-Nov-2018\_e noDFE&EqON
- H% HUB2 04-Nov-2018\_f noDFE&EqON
- H%

Hub1: S/N 5 w/RODS/N 0  
FW: IBERT+IPbus  
rev 12-Sep-2018

Hub2: S/N 4  
FW: IBERT+IPbus  
rev 12-Sep-2018

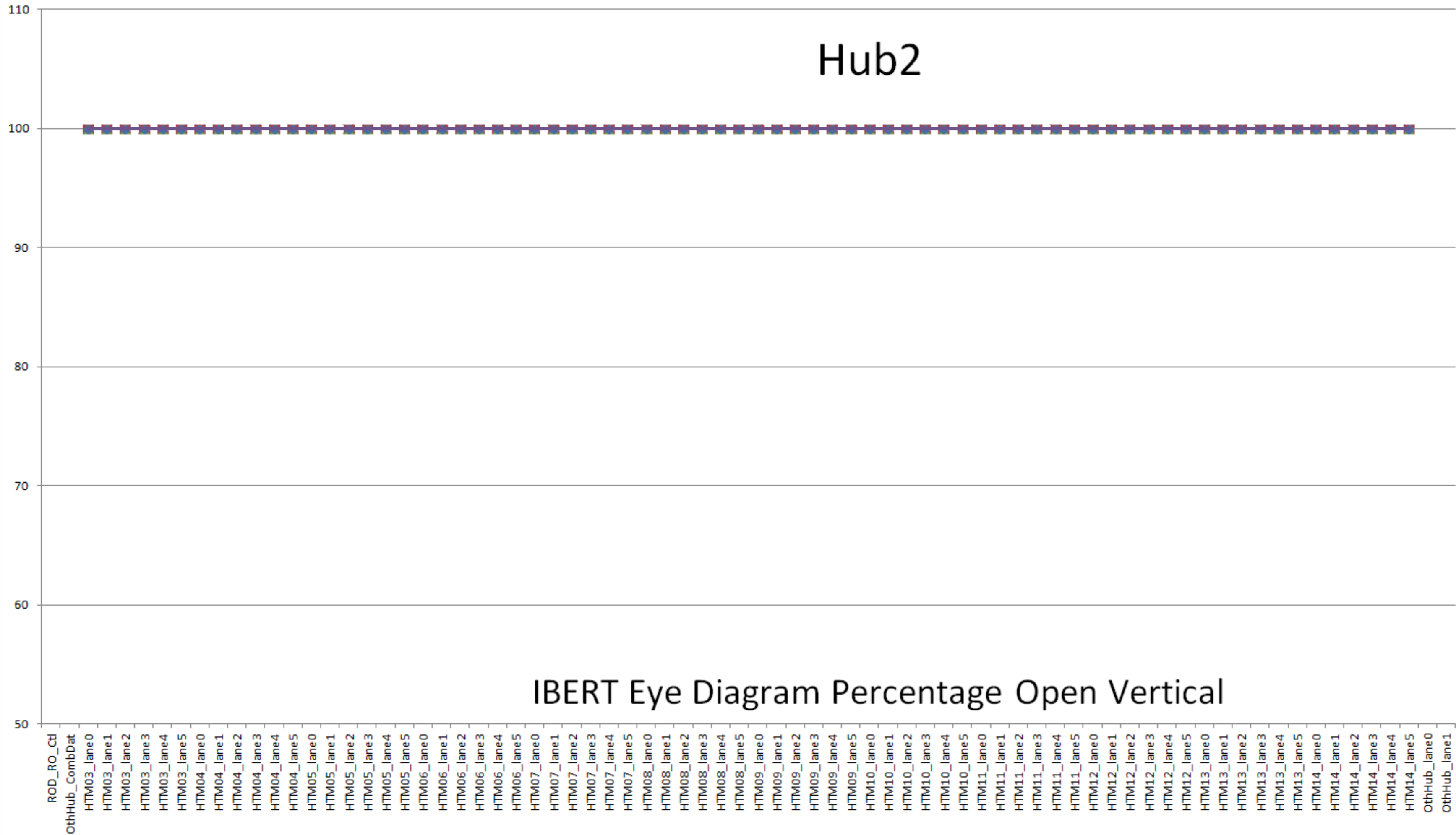
HTM 3-14:  
S/N 9,6,1,7,4,8,  
5,11,10,12,3,13  
FW: IBERT+IPbus  
rev 07-Sep-2018

## IBERT Eye Diagram Percentage Open Horizontal

# Hub2

IBERT  
@6.4Gbps  
PRBS-31

DFE OFF  
Equalizer ON



- V% HUB2 04-Nov-2018\_a noDFE&EqON
- V% HUB2 04-Nov-2018\_b noDFE&EqON
- V% HUB2 04-Nov-2018\_c noDFE&EqON
- V% HUB2 04-Nov-2018\_d noDFE&EqON
- V% HUB2 04-Nov-2018\_e noDFE&EqON
- V% HUB2 04-Nov-2018\_f noDFE&EqON
- V%

Hub1: S/N5 w/RODS/N0  
FW: IBERT+IPbus  
rev 12-Sep-2018

Hub2: S/N4  
FW: IBERT+IPbus  
rev 12-Sep-2018

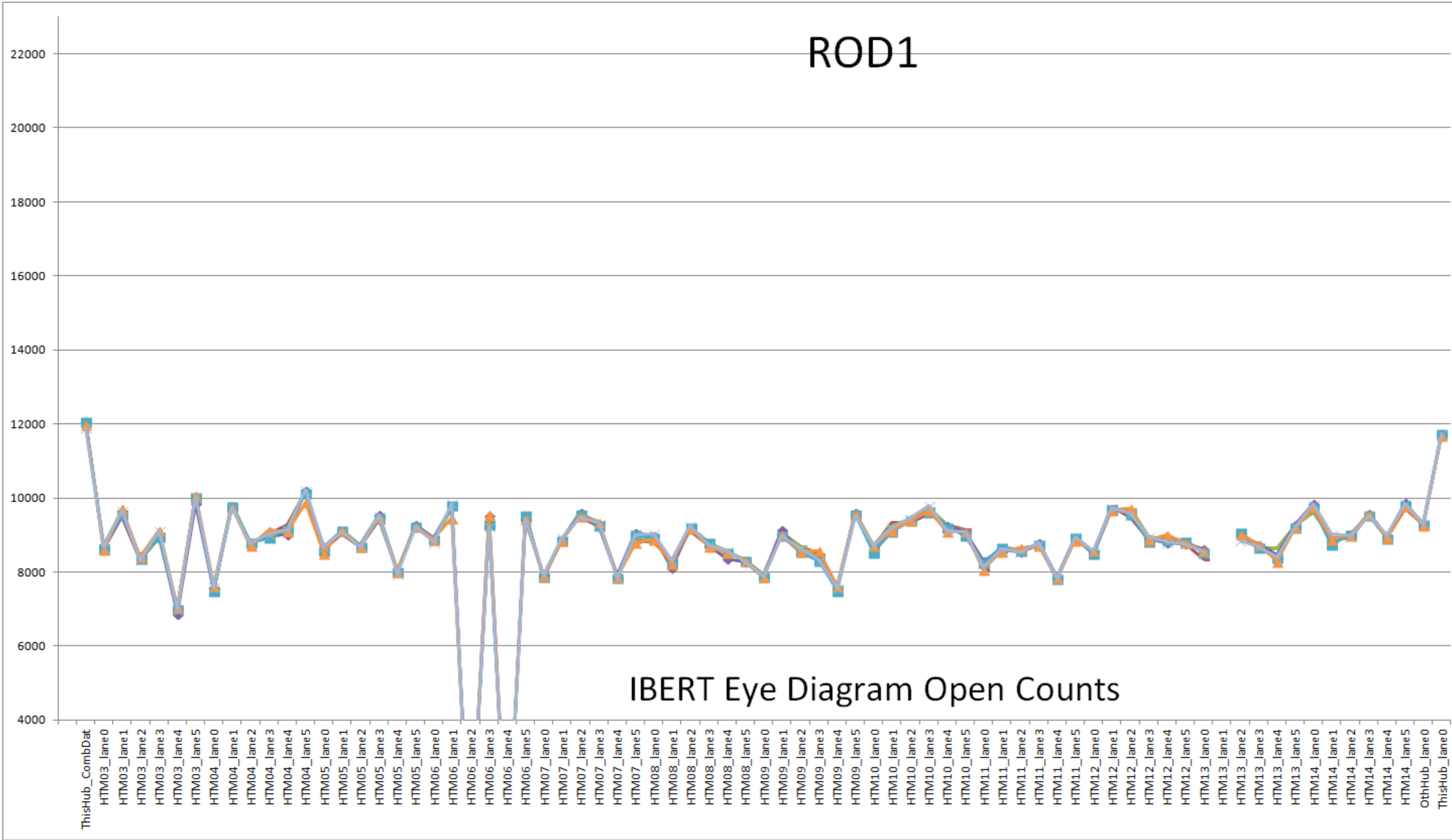
HTM 3-14:  
S/N 9,6,1,7,4,8,  
5,11,10,12,3,13  
FW: IBERT+IPbus  
rev 07-Sep-2018

## IBERT Eye Diagram Percentage Open Vertical

# ROD1

IBERT  
@6.4Gbps  
PRBS-31

DFE OFF  
Equalizer ON



## IBERT Eye Diagram Open Counts

- O ROD1 04-Nov-2018\_a noDFE&EqON
- O ROD1 04-Nov-2018\_b noDFE&EqON
- O ROD1 04-Nov-2018\_c noDFE&EqON
- O ROD1 04-Nov-2018\_d noDFE&EqON
- O ROD1 04-Nov-2018\_e noDFE&EqON
- O ROD1 04-Nov-2018\_f noDFE&EqON
- O

Hub 1: S/N 5 w/RODS/N 0  
FW: IBERT+IPbus  
rev 12-Sep-2018

Hub 2: S/N 4  
FW: IBERT+IPbus  
rev 12-Sep-2018

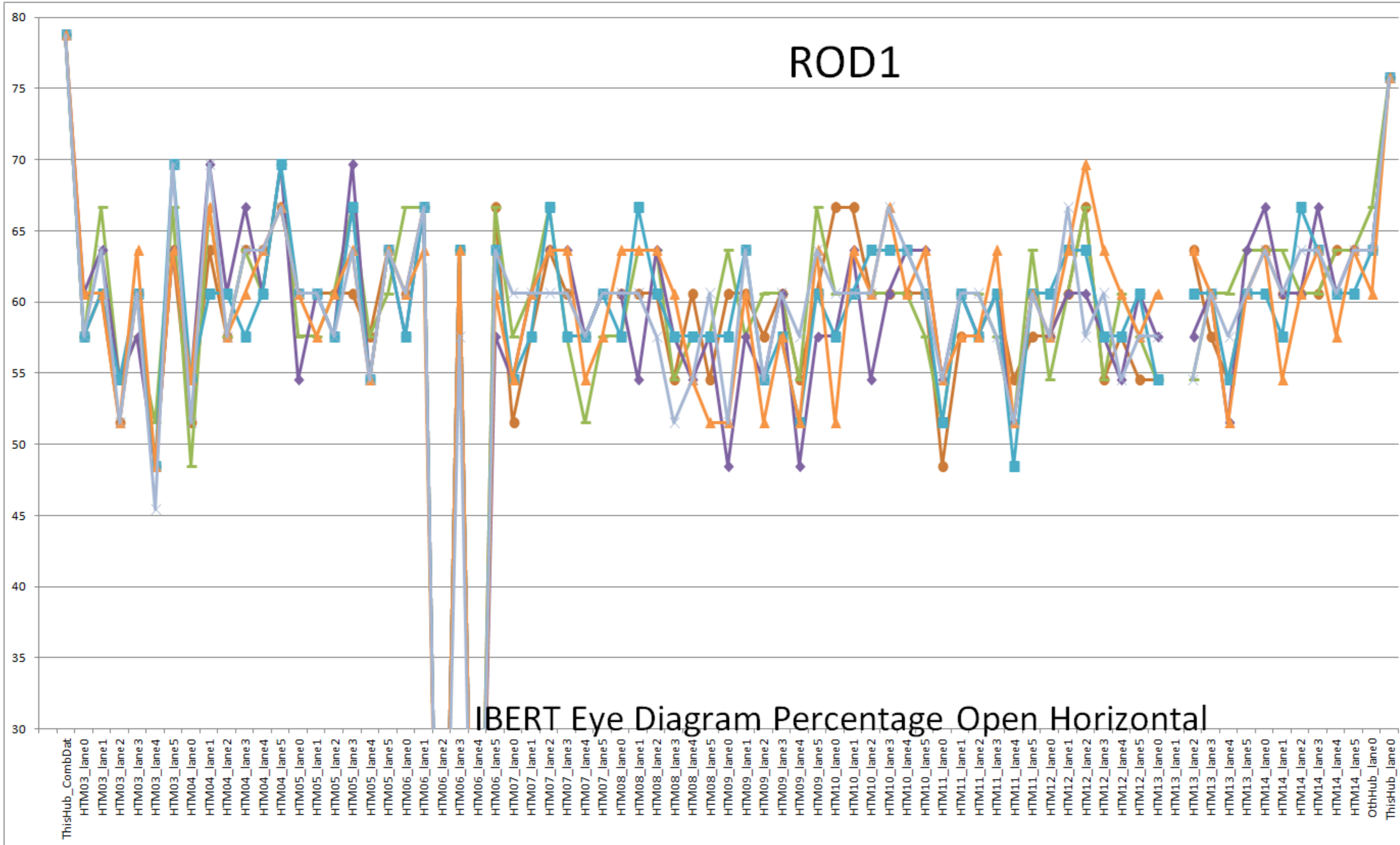
HTM 3-14:  
S/N 9,6,1,7,4,8,  
5,11,10,12,3,13  
FW: IBERT+IPbus  
rev 07-Sep-2018



# ROD1

IBERT  
@6.4Gbps  
PRBS-31

DFE OFF  
Equalizer ON



- H% ROD1 04-Nov-2018\_a noDFE&EqON
- H% ROD1 04-Nov-2018\_b noDFE&EqON
- H% ROD1 04-Nov-2018\_c noDFE&EqON
- H% ROD1 04-Nov-2018\_d noDFE&EqON
- H% ROD1 04-Nov-2018\_e noDFE&EqON
- H% ROD1 04-Nov-2018\_f noDFE&EqON
- H%

Hub1: S/N 5 w/RODS/N 0  
FW: IBERT+IPbus  
rev 12-Sep-2018

Hub2: S/N 4  
FW: IBERT+IPbus  
rev 12-Sep-2018

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

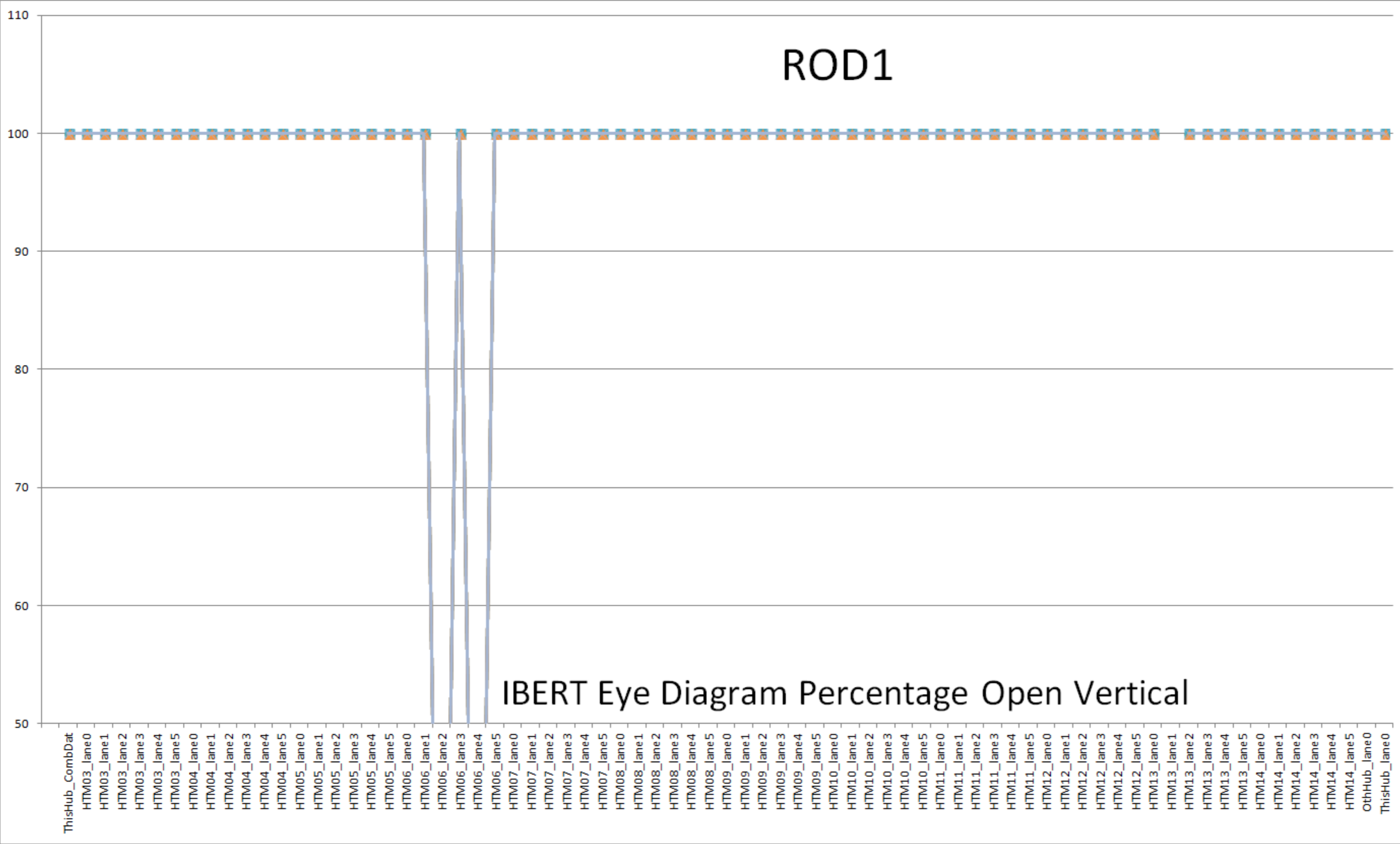
IBERT Eye Diagram Percentage Open Horizontal



# ROD1

IBERT  
@6.4Gbps  
PRBS-31

DFE OFF  
Equalizer ON



IBERT Eye Diagram Percentage Open Vertical

- V% ROD1 04-Nov-2018\_a noDFE&EqON
- V% ROD1 04-Nov-2018\_b noDFE&EqON
- V% ROD1 04-Nov-2018\_c noDFE&EqON
- V% ROD1 04-Nov-2018\_d noDFE&EqON
- V% ROD1 04-Nov-2018\_e noDFE&EqON
- V% ROD1 04-Nov-2018\_f noDFE&EqON
- V%

Hub1: S/N5 w/RODS/N0  
FW: IBERT+IPbus  
rev 12-Sep-2018

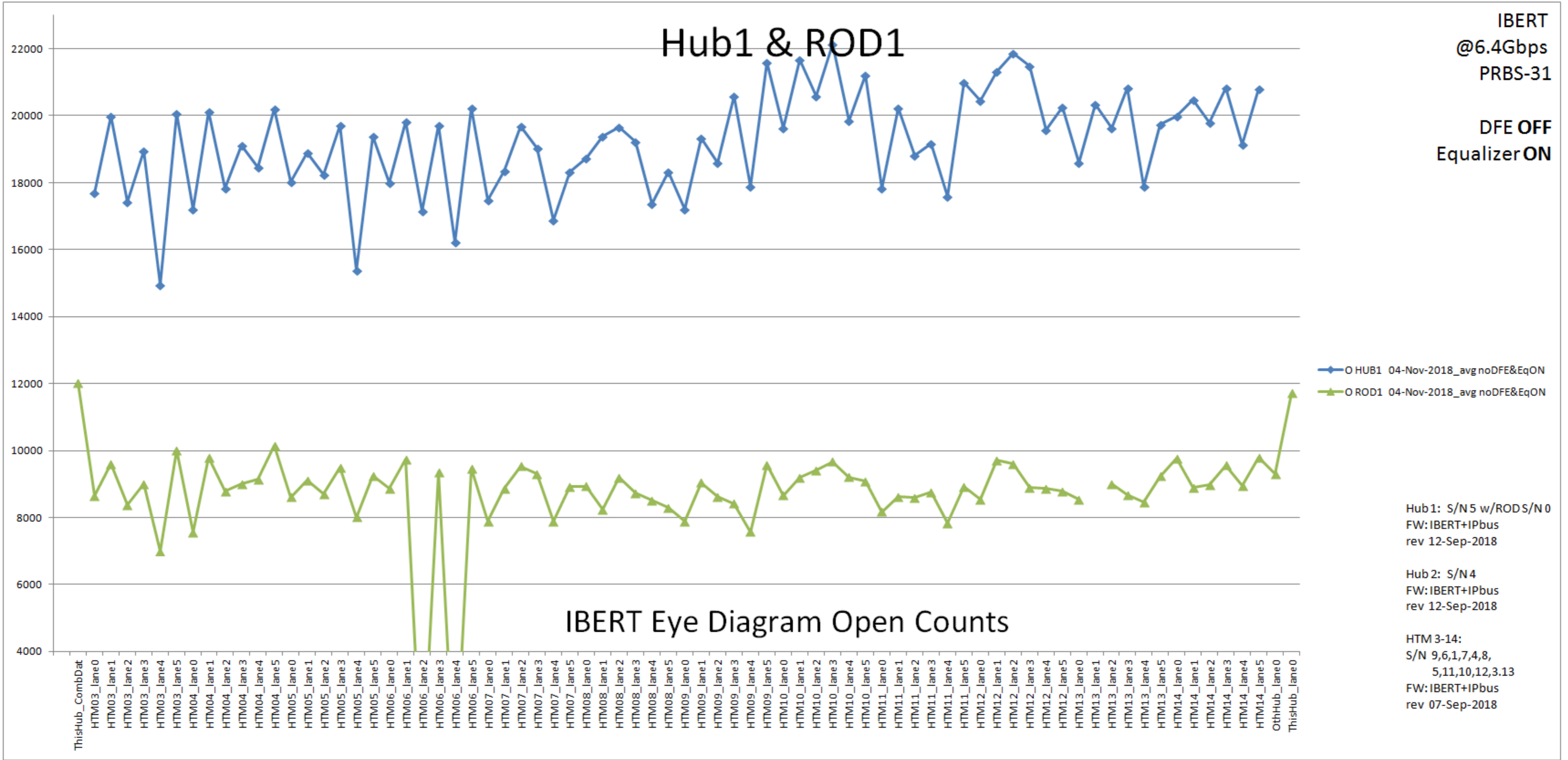
Hub2: S/N4  
FW: IBERT+IPbus  
rev 12-Sep-2018

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 & ROD1

IBERT  
@6.4Gbps  
PRBS-31

DFE OFF  
Equalizer ON



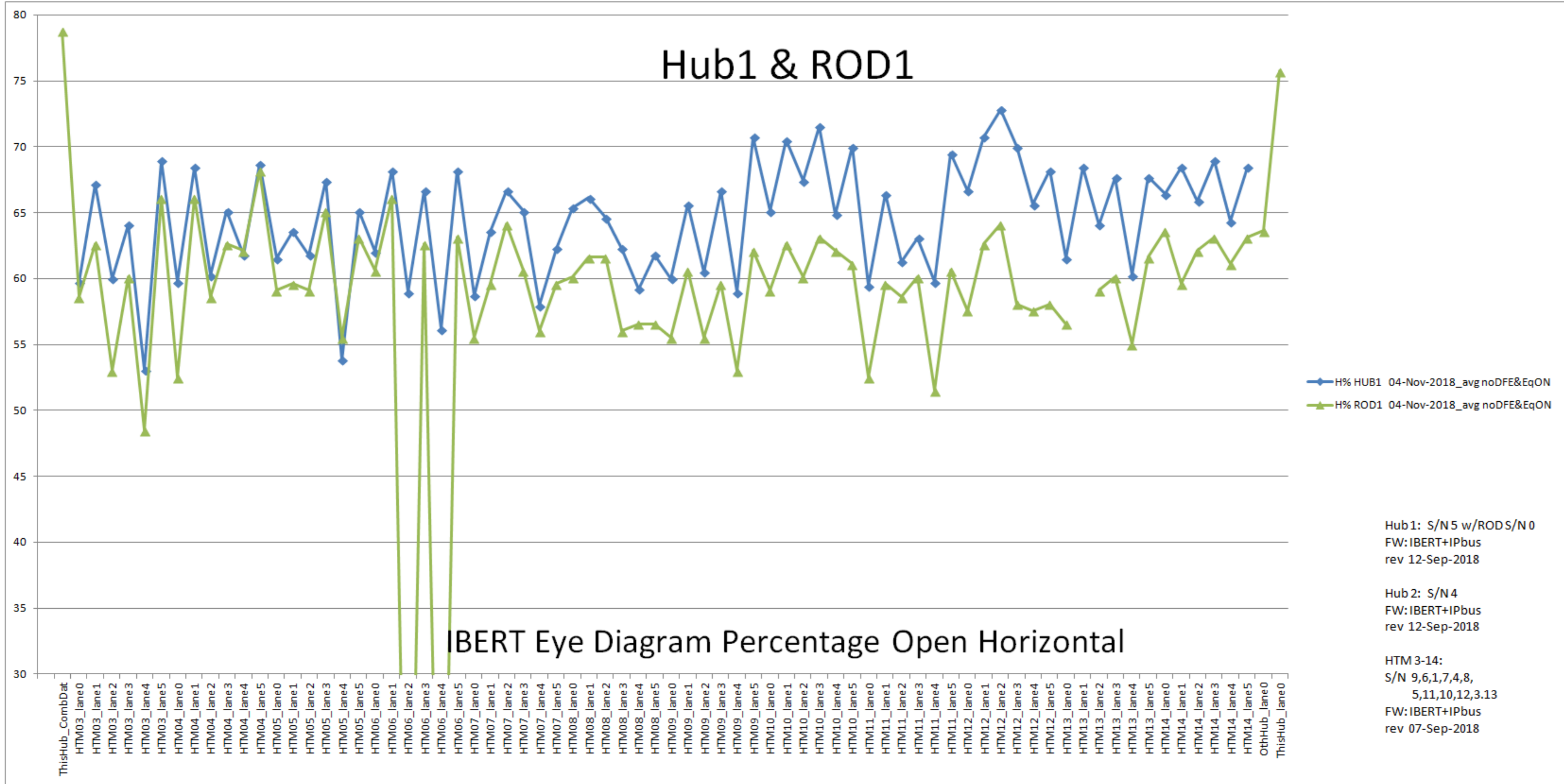
## IBERT Eye Diagram Open Counts

Hub1: S/N5 w/RODS/N0  
FW: IBERT+IPbus  
rev 12-Sep-2018

Hub2: S/N4  
FW: IBERT+IPbus  
rev 12-Sep-2018

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 & ROD1



## IBERT Eye Diagram Percentage Open Horizontal

◆ H% HUB1 04-Nov-2018\_avg noDFE&EqON  
▲ H% ROD1 04-Nov-2018\_avg noDFE&EqON

Hub1: S/N5 w/RODS/N0  
 FW:IBERT+IPbus  
 rev 12-Sep-2018

Hub2: S/N4  
 FW:IBERT+IPbus  
 rev 12-Sep-2018

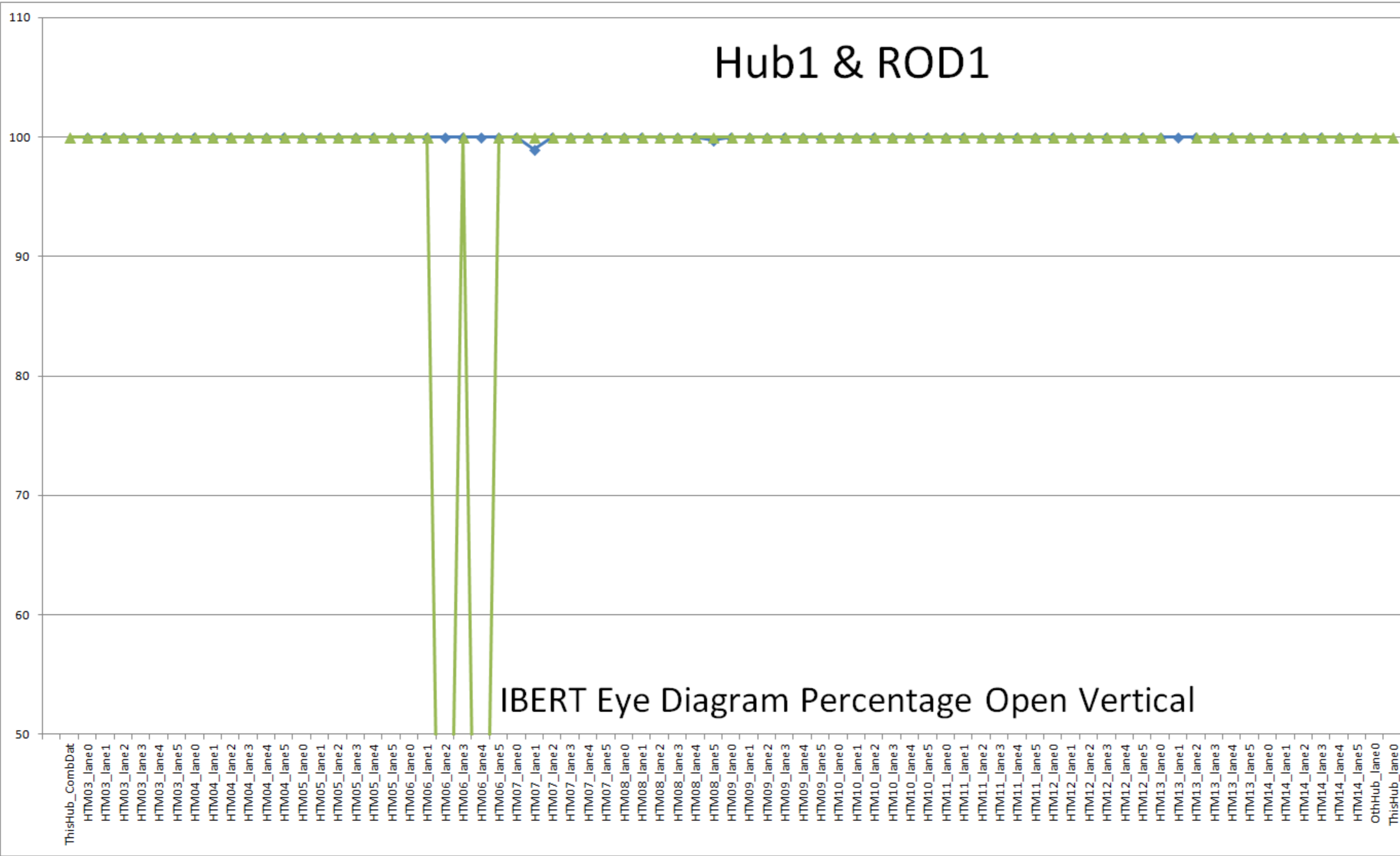
HTM 3-14:  
 S/N 9,6,1,7,4,8,  
 5,11,10,12,3.13  
 FW:IBERT+IPbus  
 rev 07-Sep-2018



# Hub1 & ROD1

IBERT  
@6.4Gbps  
PRBS-31

DFE OFF  
Equalizer ON



V% HUB1 04-Nov-2018\_avg noDFE&EqON  
V% ROD1 04-Nov-2018\_avg noDFE&EqON

## IBERT Eye Diagram Percentage Open Vertical

Hub1: S/N5 w/RODS/N0  
FW: IBERT+IPbus  
rev 12-Sep-2018

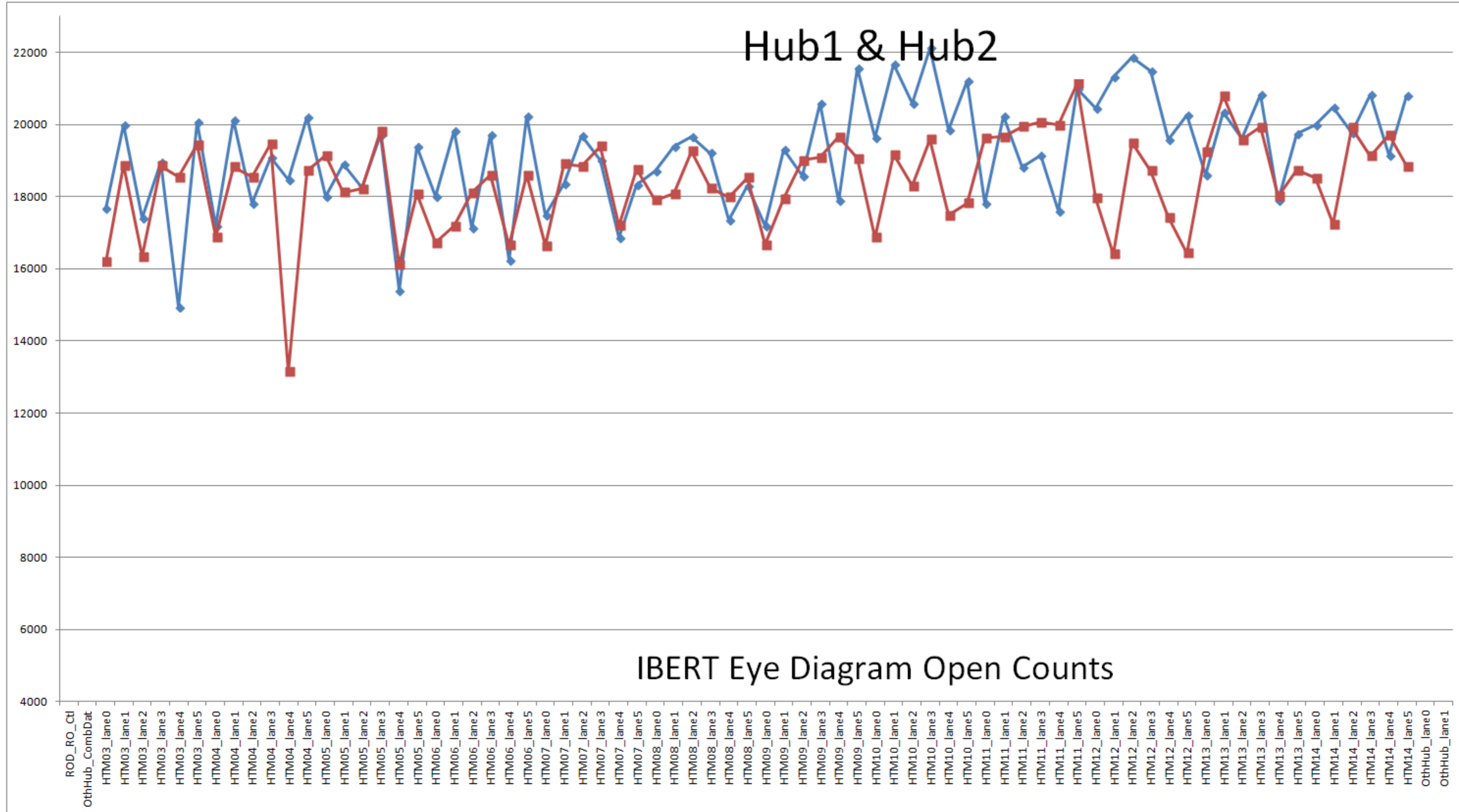
Hub2: S/N4  
FW: IBERT+IPbus  
rev 12-Sep-2018

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



O HUB1 04-Nov-2018\_avg noDFE&EqON  
O HUB2 04-Nov-2018\_avg noDFE&EqON

## IBERT Eye Diagram Open Counts

Hub1: S/N5 w/RODS/N0  
FW: IBERT+IPbus  
rev 12-Sep-2018

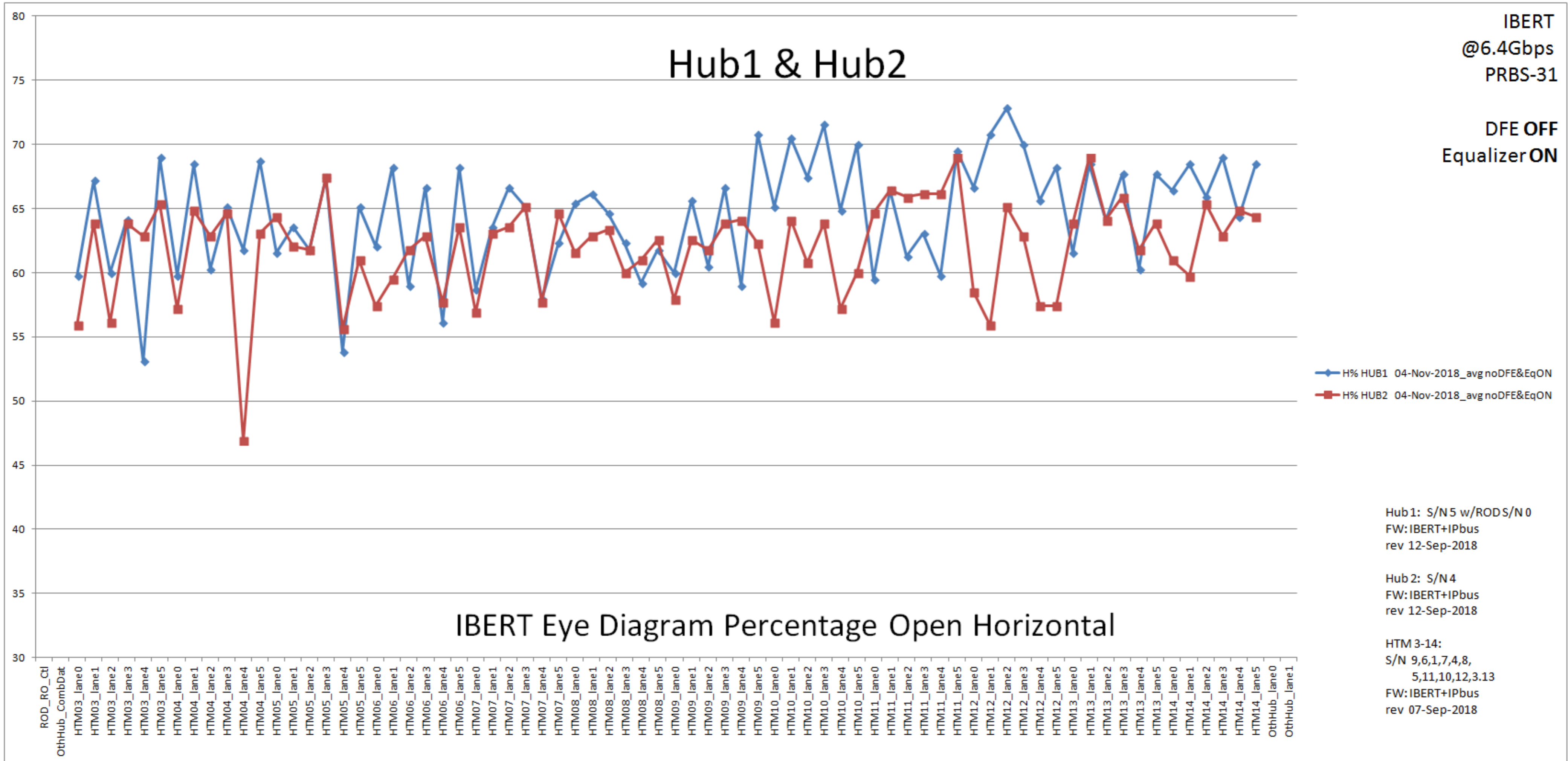
Hub2: S/N4  
FW: IBERT+IPbus  
rev 12-Sep-2018

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



## IBERT Eye Diagram Percentage Open Horizontal

Hub1: S/N5 w/RODS/N0  
FW: IBERT+IPbus  
rev 12-Sep-2018

Hub2: S/N4  
FW: IBERT+IPbus  
rev 12-Sep-2018

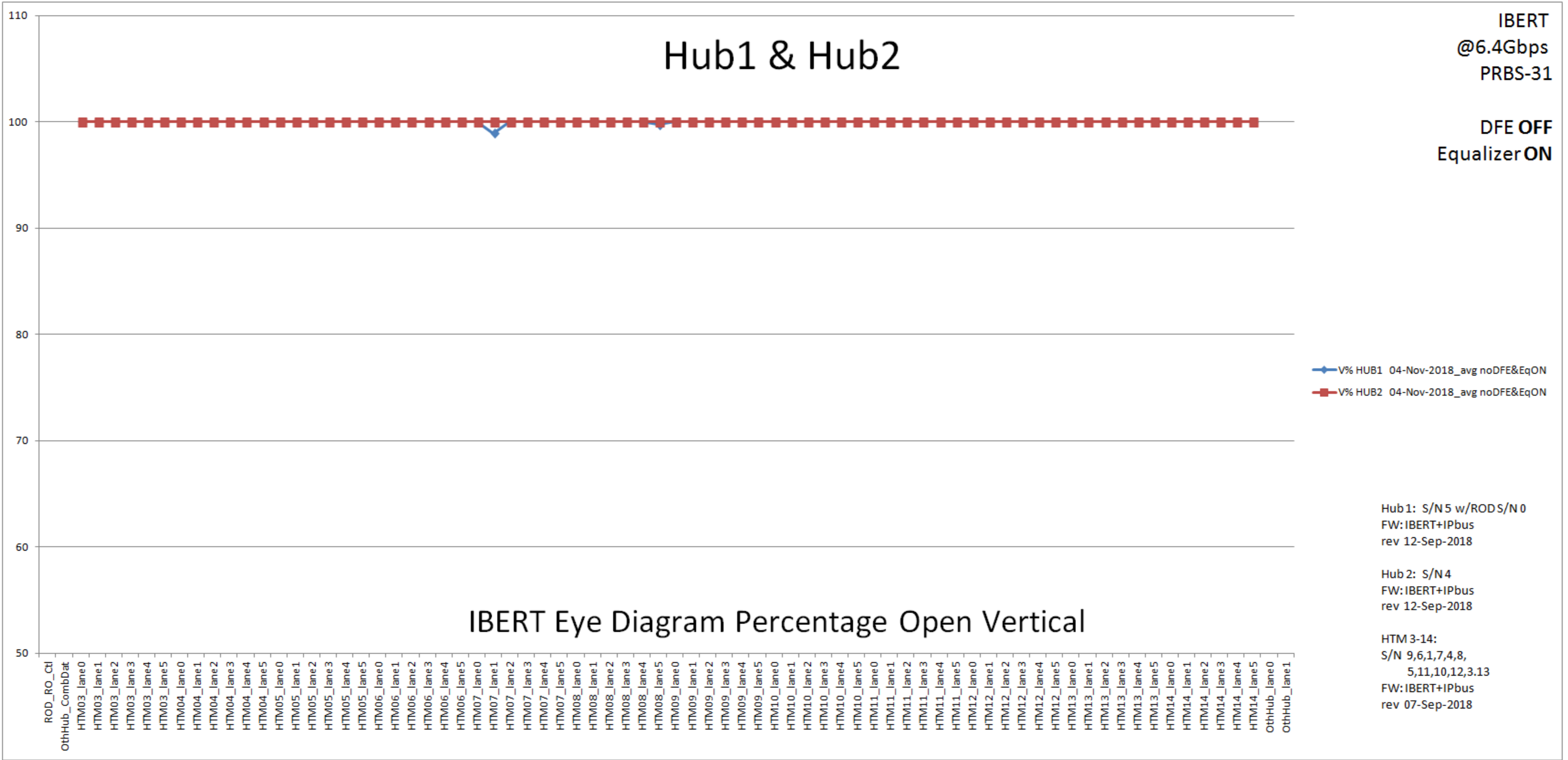
HTM 3-14:  
S/N 9,6,1,7,4,8,  
5,11,10,12,3,13  
FW: IBERT+IPbus  
rev 07-Sep-2018



# Hub1 & Hub2

IBERT  
@6.4Gbps  
PRBS-31

DFE OFF  
Equalizer ON



## IBERT Eye Diagram Percentage Open Vertical

Hub 1: S/N5 w/RODS/N0  
FW: IBERT+IPbus  
rev 12-Sep-2018

Hub 2: S/N4  
FW: IBERT+IPbus  
rev 12-Sep-2018

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