

CS002HBA0 XXΥY -0.04-0.06-0.08-0.10-0.128 Clock (ns) 6 5 H5 previous 0 10000 20000 10000 20000

Time (s)

CS002HBA0 XXΥY -0.04-0.06-0.08-0.10-0.128 Clock (ns) 6 5 H5 previous 0 10000 20000 10000 20000

Time (s)

CS002HBA1 XXΥY -0.050 TEC $(10^{16} \cdot m^{-2})$ -0.075-0.100-0.125-0.150-0.17512 Clock (ns) 10 8 6 H5 previous 4 20000 20000 0 10000 10000 Time (s) Time (s)

CS002HBA1 XXΥY -0.050 TEC $(10^{16} \cdot m^{-2})$ -0.075-0.100-0.125-0.150-0.17512 Clock (ns) 10 8 6 H5 previous 4 20000 20000 0 10000 10000 Time (s) Time (s)

CS003HBA0 XXΥY -0.04-0.06 -0.08-0.10-0.1210 H5 previous Clock (ns) 8 6 0

20000

10000

Time (s)

10000

Time (s)

20000

CS003HBA0 XXΥY -0.04-0.06 -0.08-0.10-0.1210 H5 previous Clock (ns) 8 6 0

20000

10000

Time (s)

10000

Time (s)

20000

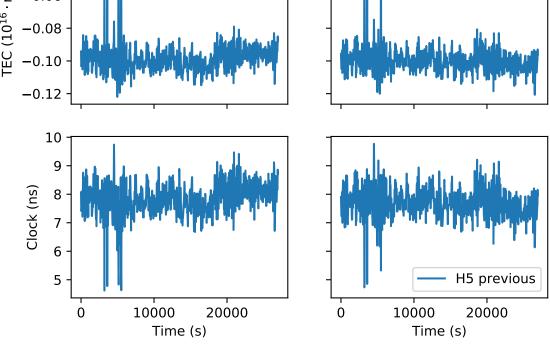
CS003HBA1 XXYY -0.050-0.075-0.100-0.125-0.150H5 previous 10 Clock (ns) 8 20000 20000 10000 10000 Time (s) Time (s)

CS003HBA1 XXYY -0.050-0.075-0.100-0.125-0.150H5 previous 10 Clock (ns) 8 20000 20000 10000 10000 Time (s) Time (s)

CS004HBA0

XX YY

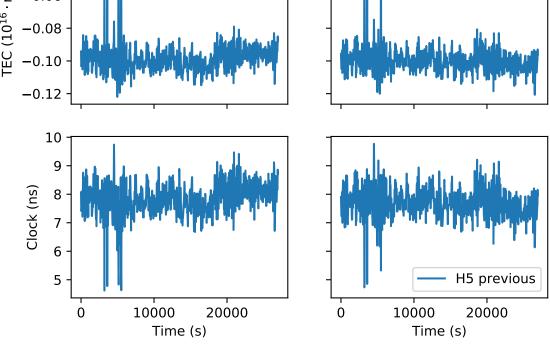
-0.04 - 0.06 - 0.00



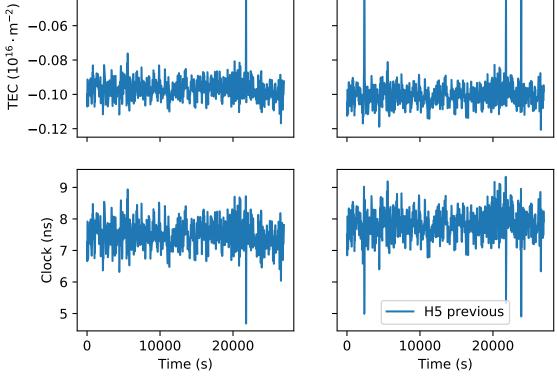
CS004HBA0

XX YY

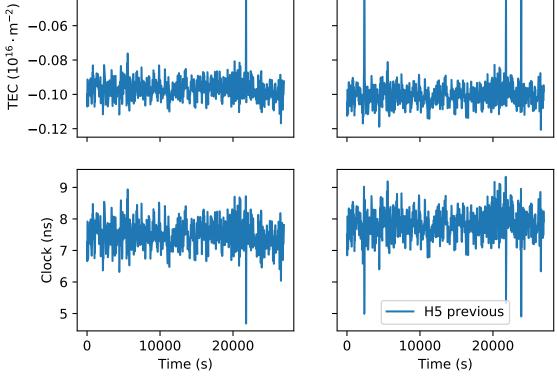
-0.04 - 0.06 - 0.00

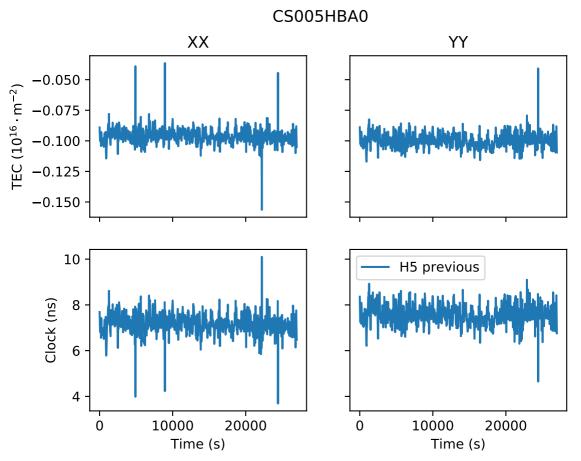


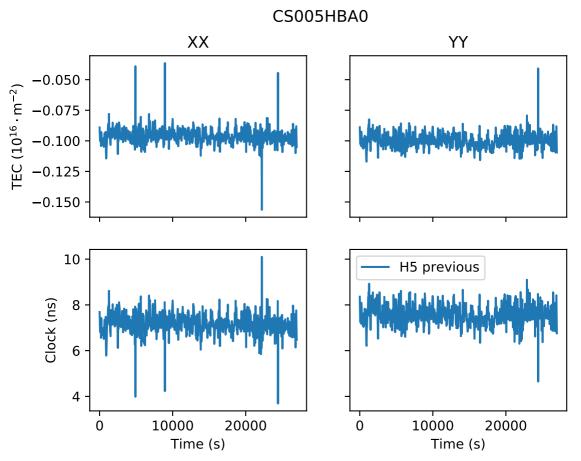
CS004HBA1 XXYY -0.04-0.06-0.08-0.10-0.12



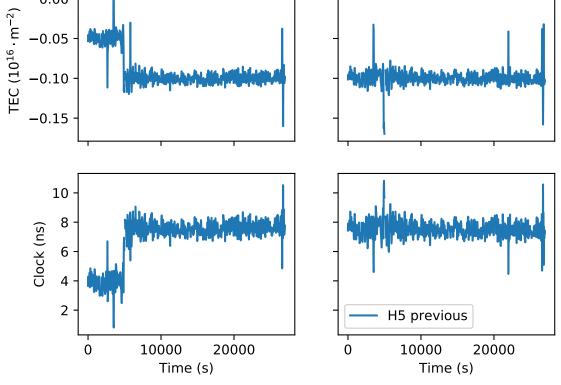
CS004HBA1 XXYY -0.04-0.06-0.08-0.10-0.12



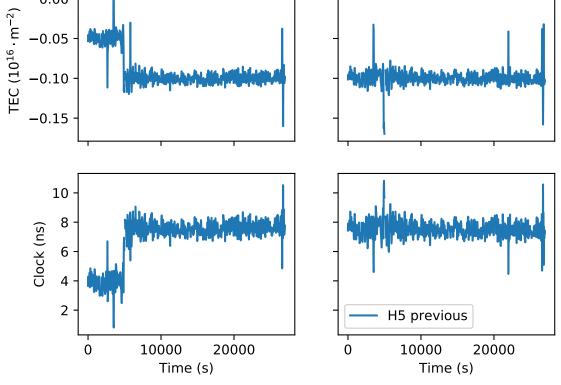


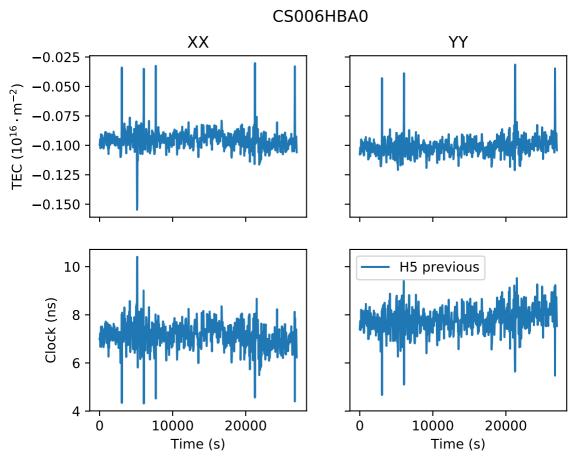


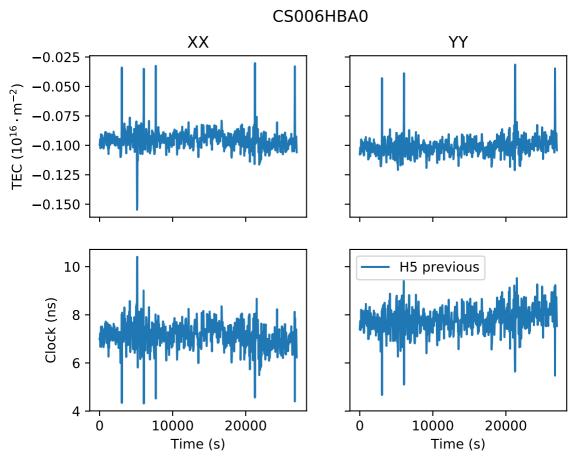
CS005HBA1 XXΥY 0.00 TEC $(10^{16} \cdot m^{-2})$ -0.05-0.10-0.1510



CS005HBA1 XXΥY 0.00 TEC $(10^{16} \cdot m^{-2})$ -0.05-0.10-0.1510







CS006HBA1 XXΥY -0.08 -0.10 -0.12-0.14-0.1610 H5 previous Clock (ns) 8 6

10000

Time (s)

20000

20000

10000

CS006HBA1 XXΥY -0.08 -0.10 -0.12-0.14-0.1610 H5 previous Clock (ns) 8 6

10000

Time (s)

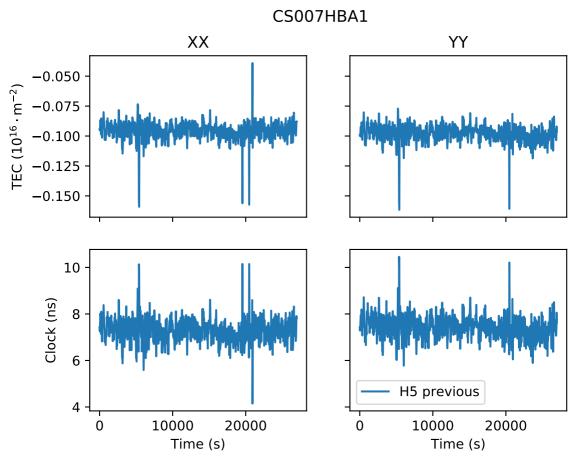
20000

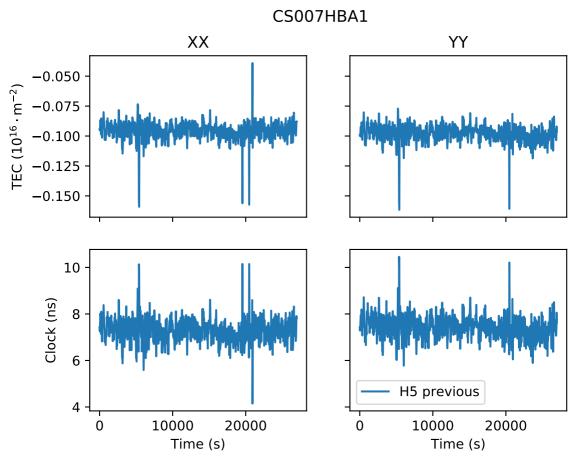
20000

10000

CS007HBA0 XXΥY -0.04 -0.06-0.08-0.10-0.129 Clock (ns) 6 5 H5 previous ò 20000 20000 10000 10000 Time (s) Time (s)

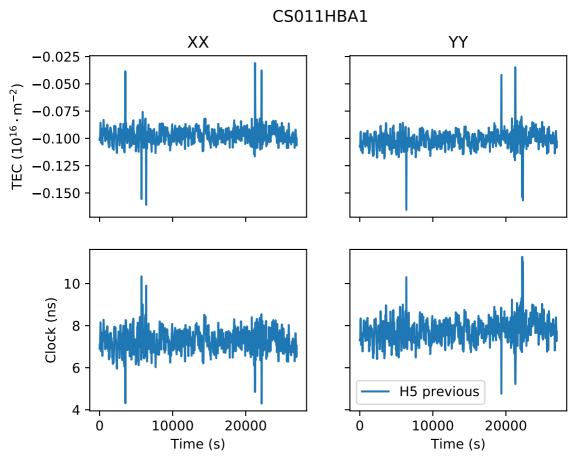
CS007HBA0 XXΥY -0.04 -0.06-0.08-0.10-0.129 Clock (ns) 6 5 H5 previous ò 20000 20000 10000 10000 Time (s) Time (s)

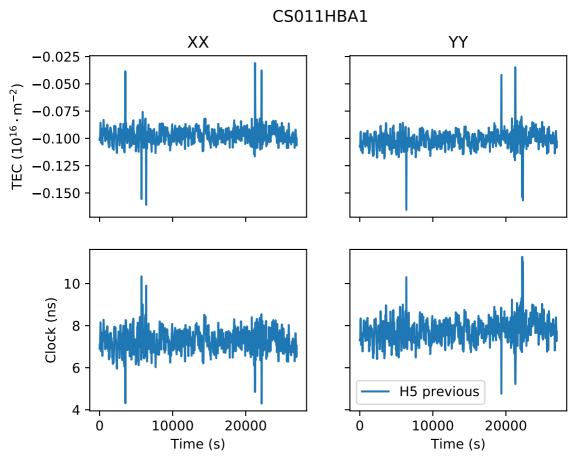




CS011HBA0 XXYY 0.05 TEC $(10^{16} \cdot m^{-2})$ -0.10-0.15H5 previous 10 Clock (ns) 8 6 0 20000 20000 10000 10000 Time (s) Time (s)

CS011HBA0 XXYY 0.05 TEC $(10^{16} \cdot m^{-2})$ -0.10-0.15H5 previous 10 Clock (ns) 8 6 0 20000 20000 10000 10000 Time (s) Time (s)





CS017HBA0 XXΥY 0.00 -0.05-0.10-0.15H5 previous 10.0 7.5 Clock (ns) 5.0 2.5 0.0 20000 10000 20000 0 10000 Time (s) Time (s)

CS017HBA0 XXΥY 0.00 -0.05-0.10-0.15H5 previous 10.0 7.5 Clock (ns) 5.0 2.5 0.0 20000 10000 20000 0 10000 Time (s) Time (s)

CS017HBA1 XXΥY -0.05 TEC $(10^{16} \cdot m^{-2})$ -0.10-0.15-0.2014 -H5 previous 12 Clock (ns) 10 8 6 4 20000 20000 0 10000 10000

Time (s)

CS017HBA1 XXΥY -0.05 TEC $(10^{16} \cdot m^{-2})$ -0.10-0.15-0.2014 -H5 previous 12 Clock (ns) 10 8 6 4 20000 20000 0 10000 10000

Time (s)

CS021HBA0 XXΥY 0.05 -0.10-0.15 10 Clock (ns) 8 6 H5 previous 4 20000 20000 10000 10000 Time (s) Time (s)

CS021HBA0 XXΥY 0.05 -0.10-0.15 10 Clock (ns) 8 6 H5 previous 4 20000 20000 10000 10000 Time (s) Time (s)

CS021HBA1 XXYY -0.05 -0.10-0.15H5 previous 10 Clock (ns) 8 6 ò 10000 20000 10000 20000 Time (s) Time (s)

CS021HBA1 XXYY -0.05 -0.10-0.15H5 previous 10 Clock (ns) 8 6 ò 10000 20000 10000 20000 Time (s) Time (s)

CS024HBA0 XXΥY -0.05 -0.10-0.15 -0.20H5 previous 12 Clock (ns) 10 8 6 4 ò 20000 20000 10000 10000 Time (s) Time (s)

CS024HBA0 XXΥY -0.05 -0.10-0.15 -0.20H5 previous 12 Clock (ns) 10 8 6 4 ò 20000 20000 10000 10000 Time (s) Time (s)

CS024HBA1 XXYY -0.05 -0.10-0.15H5 previous 10 Clock (ns) 8 6 4 20000 20000 10000 0 10000

Time (s)

Time (s)

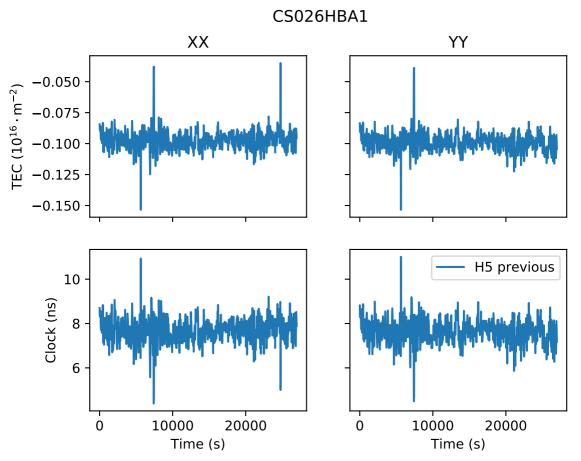
CS024HBA1 XXYY -0.05 -0.10-0.15H5 previous 10 Clock (ns) 8 6 4 20000 20000 10000 0 10000

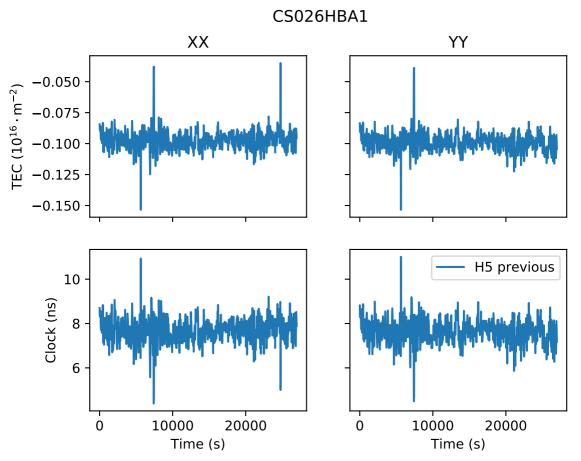
Time (s)

Time (s)

CS026HBA0 XXYY 0.05 -0.10-0.15H5 previous 10 Clock (ns) 8 6 0 10000 20000 10000 20000 Time (s) Time (s)

CS026HBA0 XXYY 0.05 -0.10-0.15H5 previous 10 Clock (ns) 8 6 0 10000 20000 10000 20000 Time (s) Time (s)

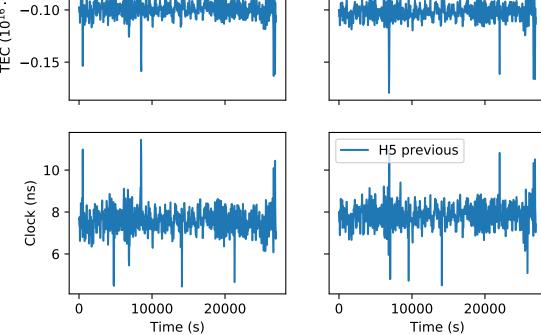




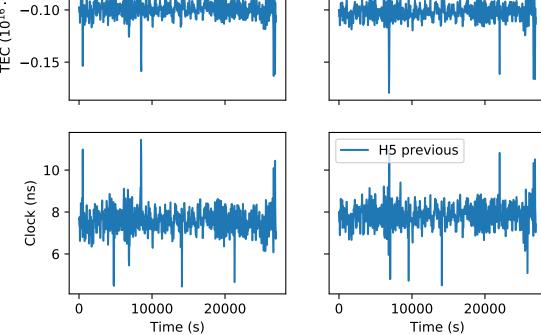
CS028HBA0 XXYY -0.025-0.050 -0.075-0.100-0.125-0.150H5 previous 10 Clock (ns) 8 6 20000 20000 10000 10000 Time (s) Time (s)

CS028HBA0 XXYY -0.025-0.050 -0.075-0.100-0.125-0.150H5 previous 10 Clock (ns) 8 6 20000 20000 10000 10000 Time (s) Time (s)

CS028HBA1 XX YY -0.05 -0.10



CS028HBA1 XX YY -0.05 -0.10



CS030HBA0 XXYY -0.050 -0.075-0.100 --0.125-0.150-0.17510 Clock (ns) 8 6 H5 previous 20000 20000 10000 10000 Time (s) Time (s)

CS030HBA0 XXYY -0.050 -0.075-0.100 --0.125-0.150-0.17510 Clock (ns) 8 6 H5 previous 20000 20000 10000 10000 Time (s) Time (s)

CS030HBA1 XXΥY -0.05 TEC $(10^{16} \cdot m^{-2})$ -0.10-0.15-0.2014 12 Clock (ns) 10 8 6 H5 previous 4 0 20000 20000 10000 10000 Time (s) Time (s)

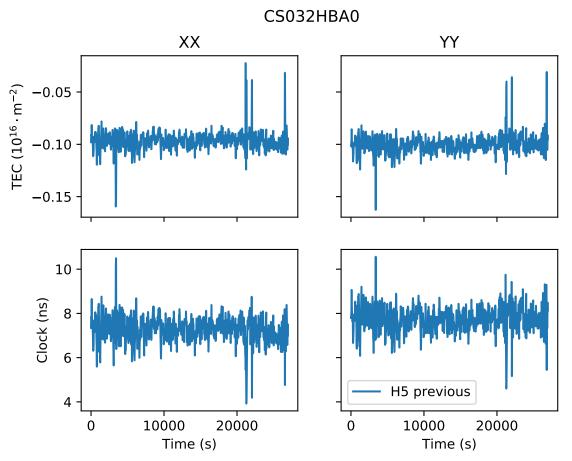
CS030HBA1 XXΥY -0.05 TEC $(10^{16} \cdot m^{-2})$ -0.10-0.15-0.2014 12 Clock (ns) 10 8 6 H5 previous 4 0 20000 20000 10000 10000 Time (s) Time (s)

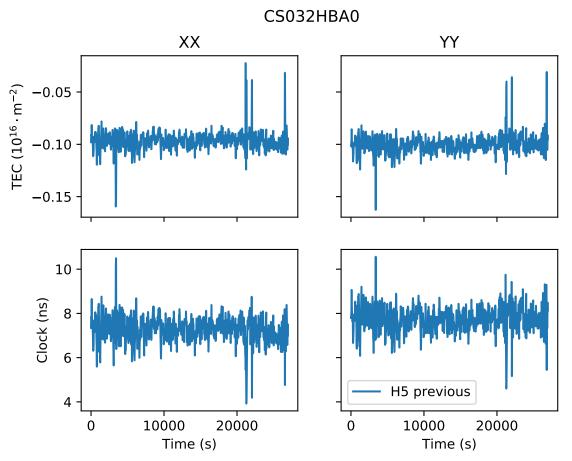
CS031HBA0 XXΥY -0.05 -0.10-0.1510 Clock (ns) 8 6 H5 previous 0 20000 20000 10000 10000 Time (s) Time (s)

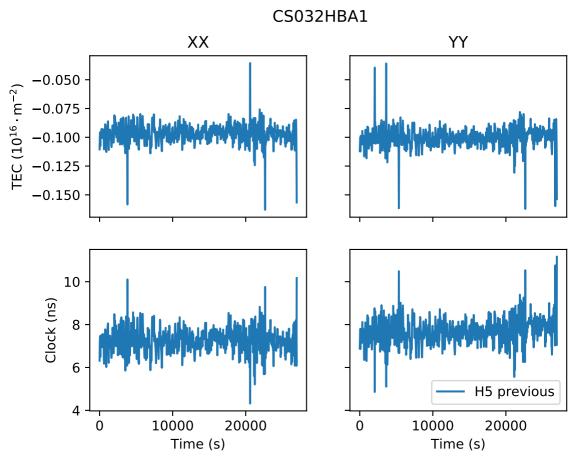
CS031HBA0 XXΥY -0.05 -0.10-0.1510 Clock (ns) 8 6 H5 previous 0 20000 20000 10000 10000 Time (s) Time (s)

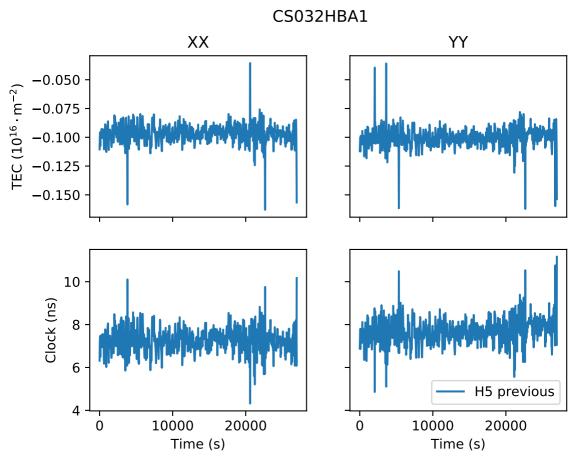
CS031HBA1 XXΥY 0.05 -0.10-0.1510 -H5 previous Clock (ns) 8 6 20000 10000 20000 10000 Time (s) Time (s)

CS031HBA1 XXΥY 0.05 -0.10-0.1510 -H5 previous Clock (ns) 8 6 20000 10000 20000 10000 Time (s) Time (s)









CS101HBA0 XXYY 0.05 -0.10-0.1510 Clock (ns) 8 6 H5 previous 0 20000 20000 10000 10000 Time (s) Time (s)

CS101HBA0 XXYY 0.05 -0.10-0.1510 Clock (ns) 8 6 H5 previous 0 20000 20000 10000 10000 Time (s) Time (s)

CS101HBA1 XXYY -0.050 TEC $(10^{16} \cdot m^{-2})$ -0.075-0.100-0.125-0.150H5 previous 10 Clock (ns) 8 6 20000 20000 10000 10000 Time (s) Time (s)

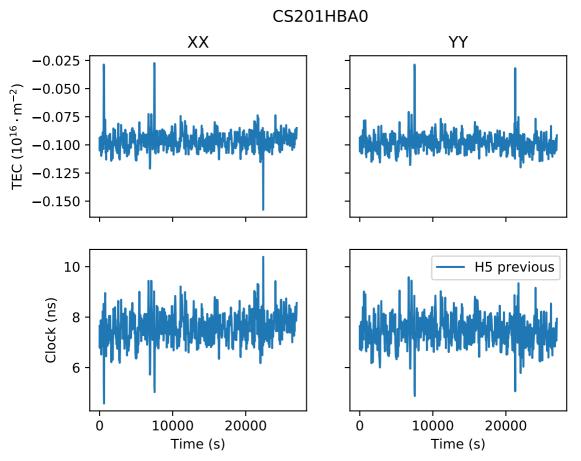
CS101HBA1 XXYY -0.050 TEC $(10^{16} \cdot m^{-2})$ -0.075-0.100-0.125-0.150H5 previous 10 Clock (ns) 8 6 20000 20000 10000 10000 Time (s) Time (s)

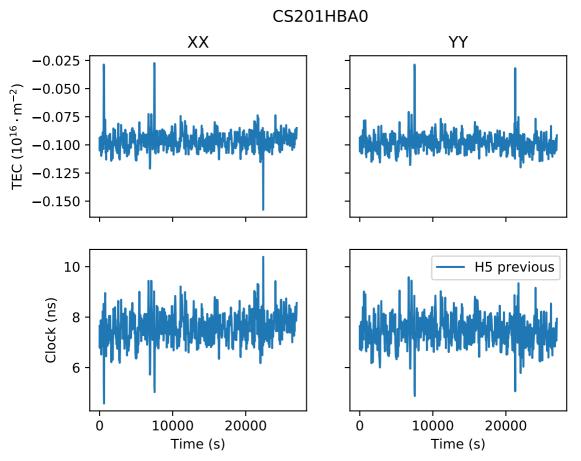
CS103HBA0 XXΥY 0.05 -0.15 H5 previous 10 Clock (ns) 6 20000 10000 20000 10000 Time (s) Time (s)

CS103HBA0 XXΥY 0.05 -0.15 H5 previous 10 Clock (ns) 6 20000 10000 20000 10000 Time (s) Time (s)

CS103HBA1 XXΥY -0.050-0.075-0.100-0.125-0.15010 H5 previous 9 Clock (ns) 8 6 5 20000 20000 10000 10000 Time (s) Time (s)

CS103HBA1 XXΥY -0.050-0.075-0.100-0.125-0.15010 H5 previous 9 Clock (ns) 8 6 5 20000 20000 10000 10000 Time (s) Time (s)





CS201HBA1 XXYY -0.025-0.050-0.075-0.100-0.125-0.150H5 previous 10 Clock (ns) 8 6 20000 20000 10000 10000 Time (s) Time (s)

CS201HBA1 XXYY -0.025-0.050-0.075-0.100-0.125-0.150H5 previous 10 Clock (ns) 8 6 20000 20000 10000 10000 Time (s) Time (s)

CS301HBA0 XXYY -0.025-0.050 -0.075 -0.100 -0.125-0.150H5 previous 10 Clock (ns) 8 6 4 -20000 20000 10000 10000 Time (s) Time (s)

CS301HBA0 XXYY -0.025-0.050 -0.075 -0.100 -0.125-0.150H5 previous 10 Clock (ns) 8 6 4 -20000 20000 10000 10000 Time (s) Time (s)

CS301HBA1 XXΥY -0.025-0.050 -0.075-0.100-0.125-0.150H5 previous 10 Clock (ns) 20000 20000 10000 10000 Time (s) Time (s)

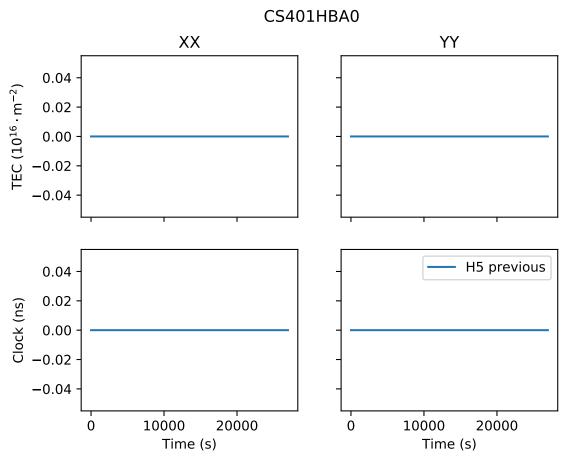
CS301HBA1 XXΥY -0.025-0.050 -0.075-0.100-0.125-0.150H5 previous 10 Clock (ns) 20000 20000 10000 10000 Time (s) Time (s)

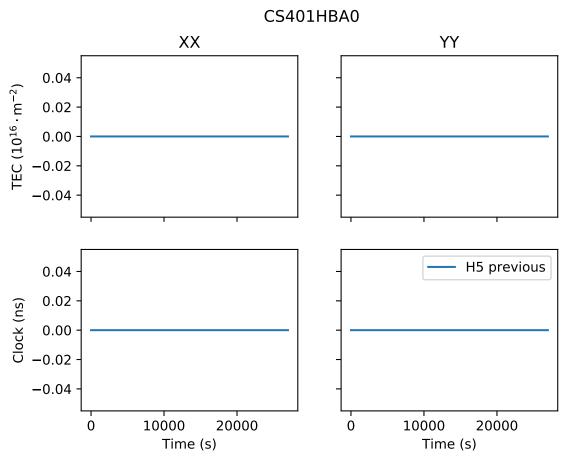
CS302HBA0 XXYY 0.05 -0.1510 -H5 previous Clock (ns) 8 6 ò 20000 20000 10000 10000 Time (s) Time (s)

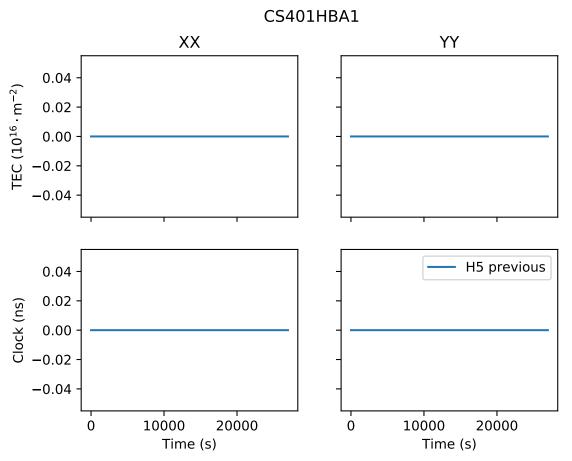
CS302HBA0 XXYY 0.05 -0.1510 -H5 previous Clock (ns) 8 6 ò 20000 20000 10000 10000 Time (s) Time (s)

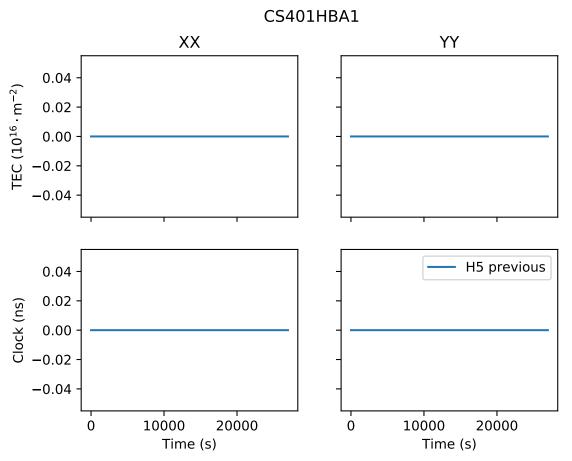
CS302HBA1 XXΥY -0.05 -0.10-0.1510 H5 previous 8 Clock (ns) 4 ò 20000 20000 10000 10000 Time (s) Time (s)

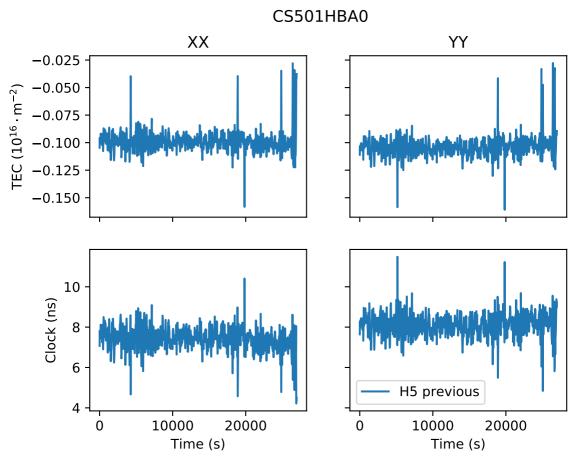
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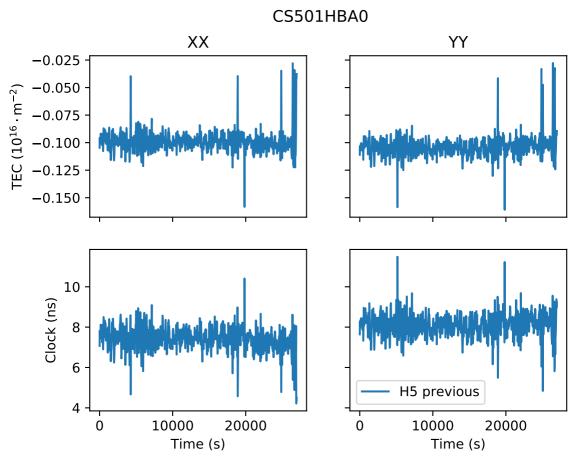






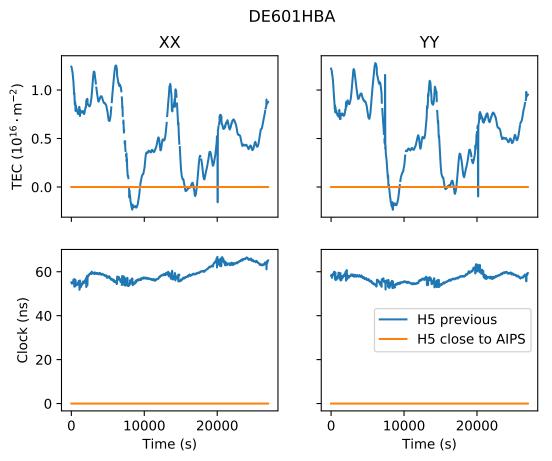


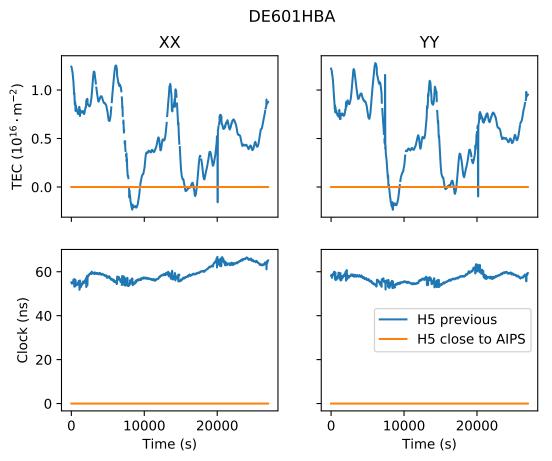


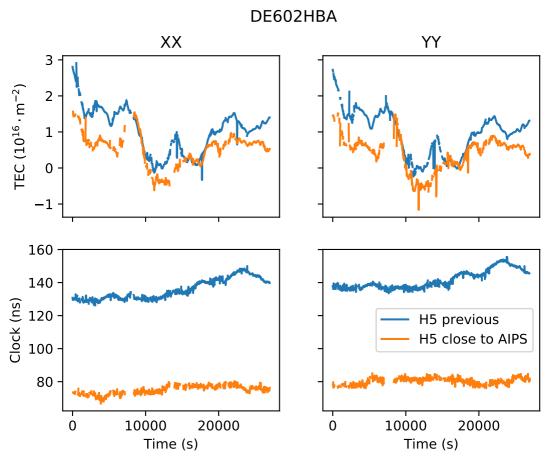


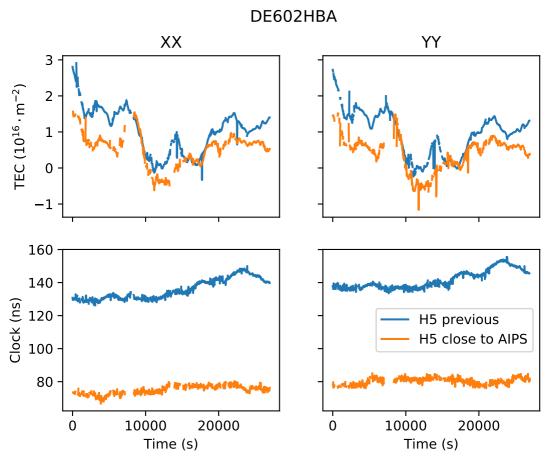
CS501HBA1 XXΥY -0.05-0.10-0.15-0.20H5 previous 12 Clock (ns) 10 8 6 4 20000 10000 20000 0 10000 Time (s) Time (s)

CS501HBA1 XXΥY -0.05-0.10-0.15-0.20H5 previous 12 Clock (ns) 10 8 6 4 20000 10000 20000 0 10000 Time (s) Time (s)









DE603HBA XXYY 1.5 TEC $(10^{16} \cdot m^{-2})$ 1.0 0.5 0.0 -0.5100 -80 Clock (ns) H5 previous 60 H5 close to AIPS 40 20 0 20000 20000 10000 10000 Time (s) Time (s)

DE603HBA XXYY 1.5 TEC $(10^{16} \cdot m^{-2})$ 1.0 0.5 0.0 -0.5100 -80 Clock (ns) H5 previous 60 H5 close to AIPS 40 20 0 20000 20000 10000 10000 Time (s) Time (s)

DE604HBA XXYY 0.5 TEC $(10^{16} \cdot \text{m}^{-2})$ 0.0 -0.5-1.0-1.5100 Clock (ns) 80 H5 previous 60 H5 close to AIPS 40 0 20000 10000 10000 20000 Time (s) Time (s)

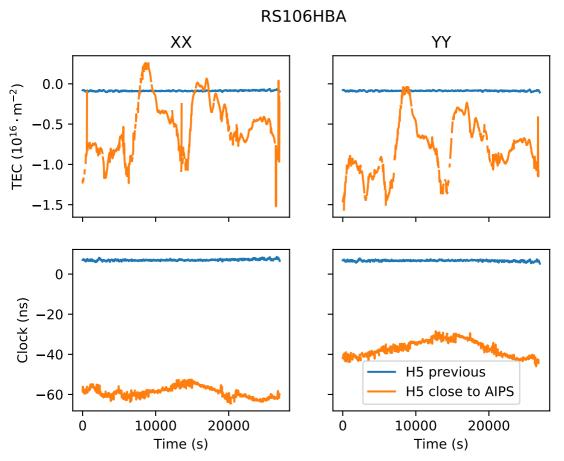
DE604HBA XXYY 0.5 TEC $(10^{16} \cdot \text{m}^{-2})$ 0.0 -0.5-1.0-1.5100 Clock (ns) 80 H5 previous 60 H5 close to AIPS 40 0 20000 10000 10000 20000 Time (s) Time (s)

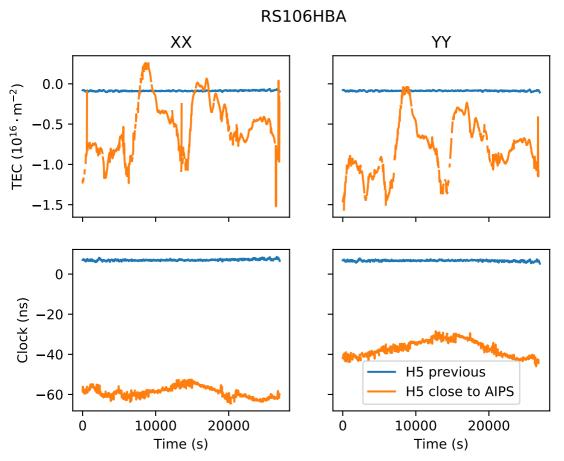
DE605HBA XXYY 1.0 TEC $(10^{16} \cdot m^{-2})$ 0.5 0.0 -0.5160 140 Clock (ns) H5 previous 120 H5 close to AIPS 100 80 0 20000 20000 10000 10000 Time (s) Time (s)

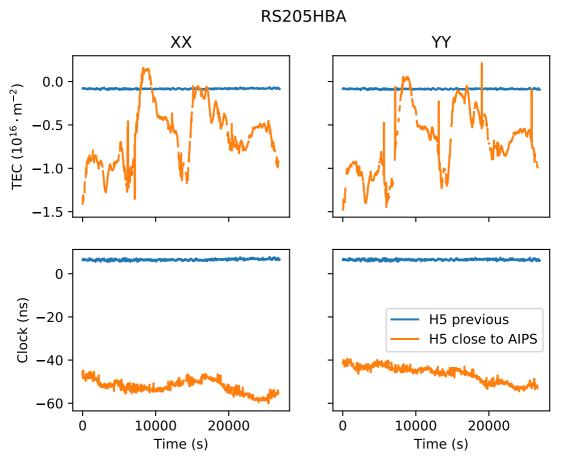
DE605HBA XXYY 1.0 TEC $(10^{16} \cdot m^{-2})$ 0.5 0.0 -0.5160 140 Clock (ns) H5 previous 120 H5 close to AIPS 100 80 0 20000 20000 10000 10000 Time (s) Time (s)

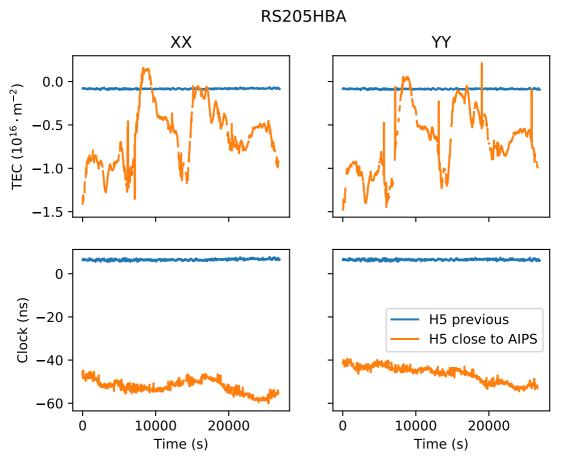
FR606HBA XXYY 3 TEC $(10^{16} \cdot m^{-2})$ 0 50 Clock (ns) 0 H5 previous H5 close to AIPS -50 -100 20000 20000 0 10000 0 10000 Time (s) Time (s)

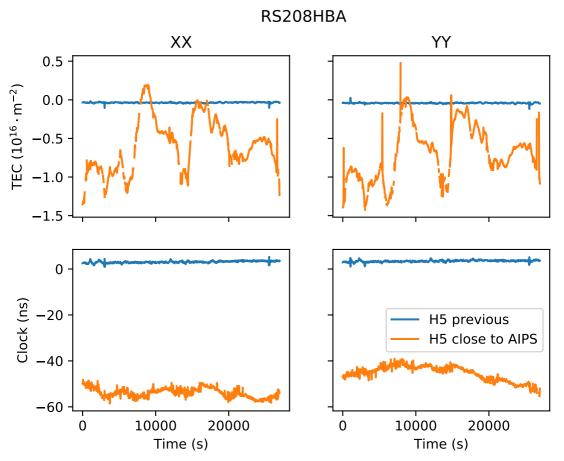
FR606HBA XXYY 3 TEC $(10^{16} \cdot m^{-2})$ 0 50 Clock (ns) 0 H5 previous H5 close to AIPS -50 -100 20000 20000 0 10000 0 10000 Time (s) Time (s)

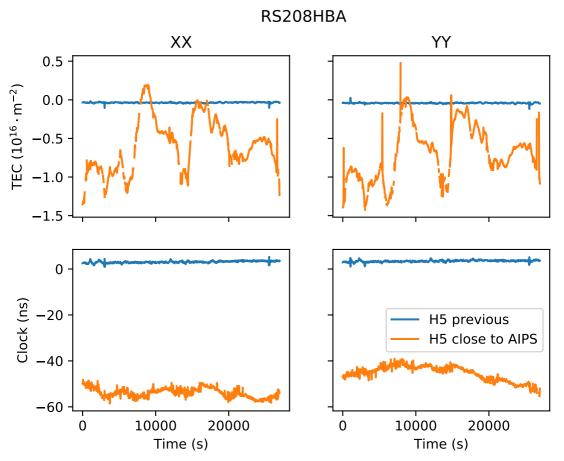


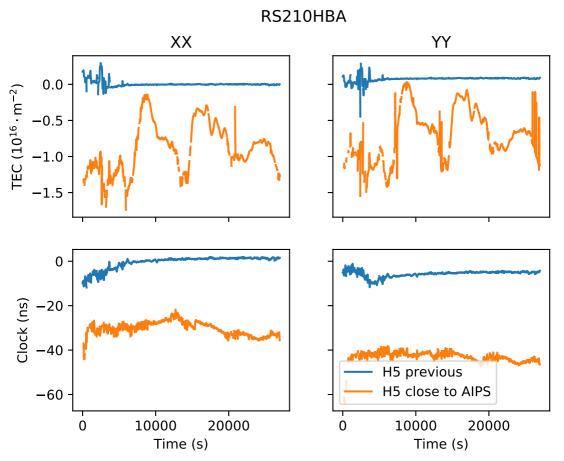


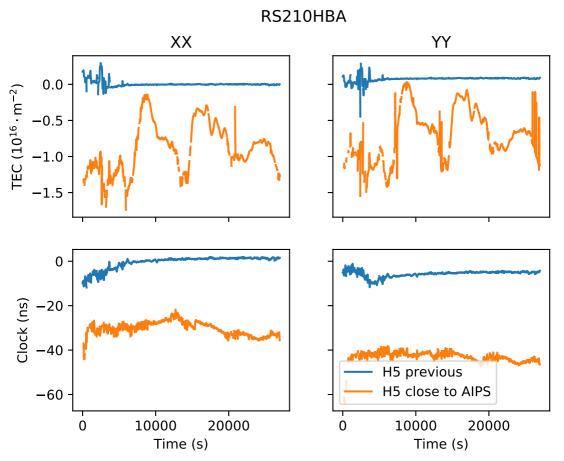


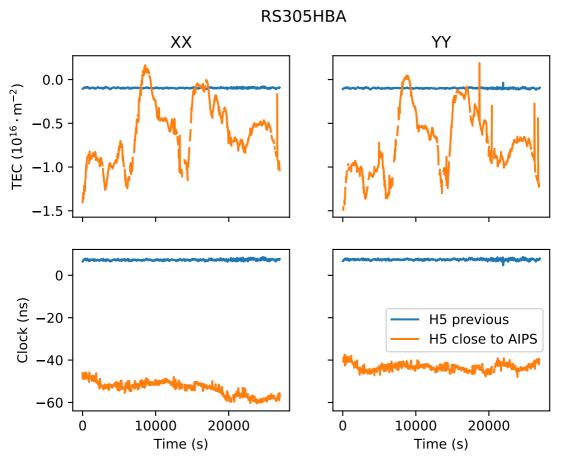


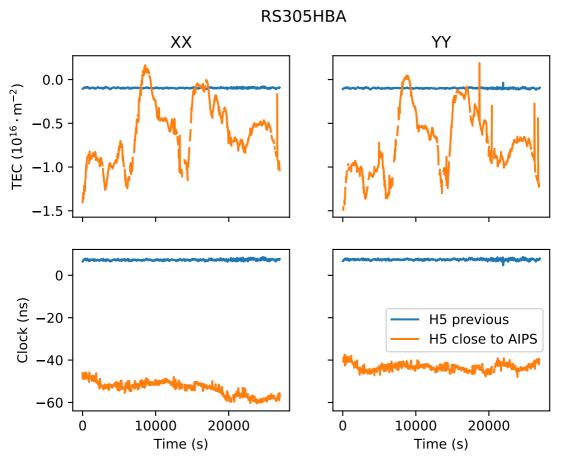


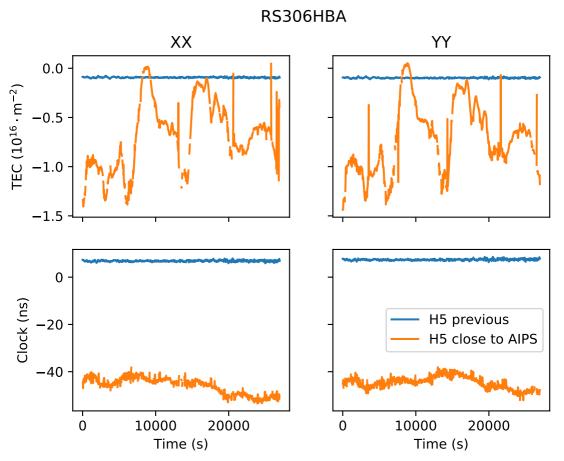


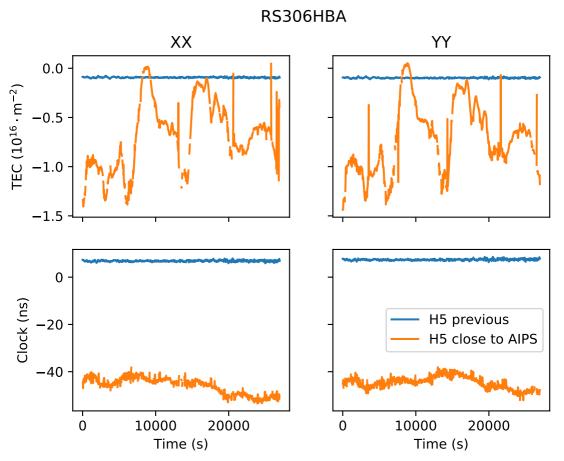


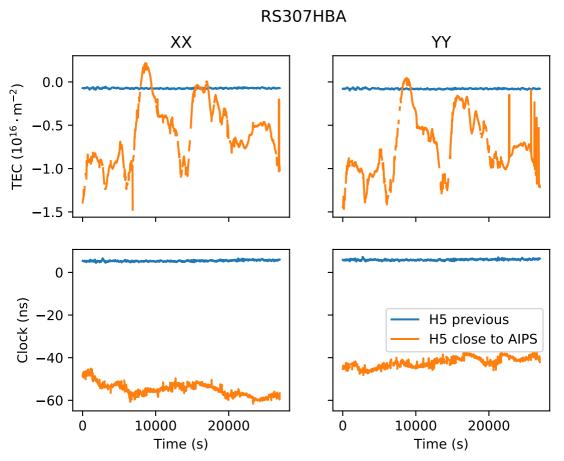


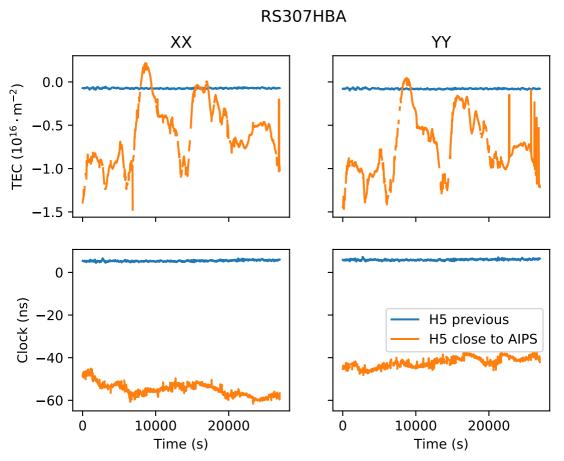


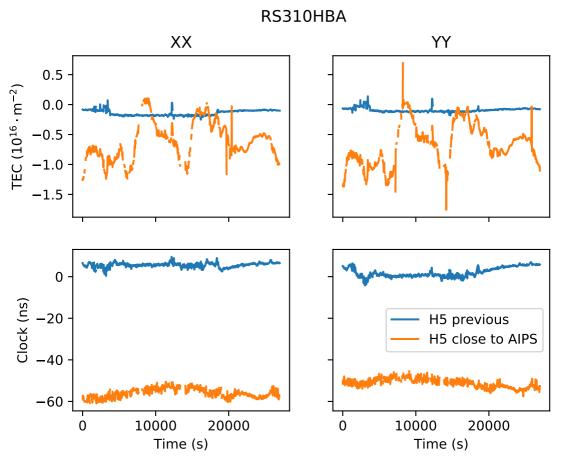


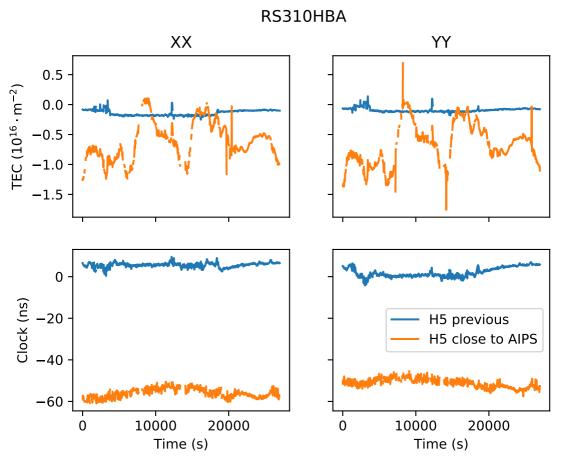


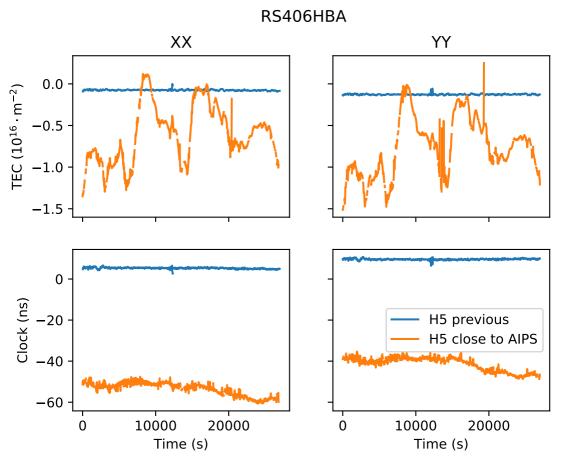


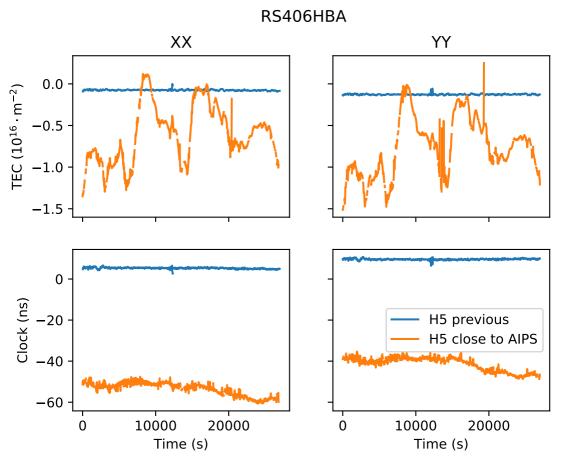


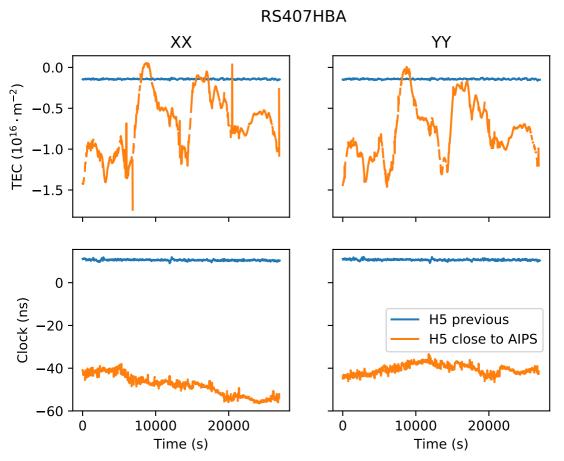


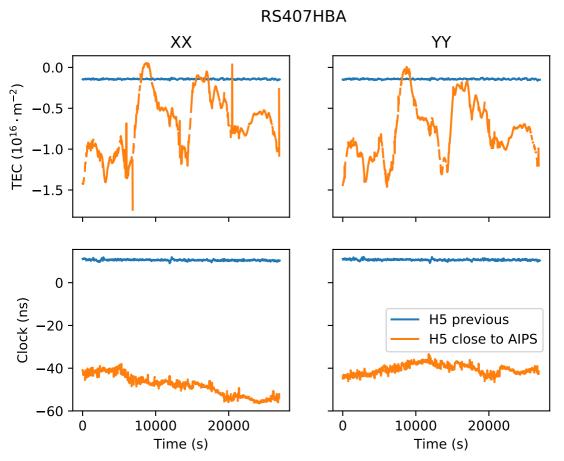


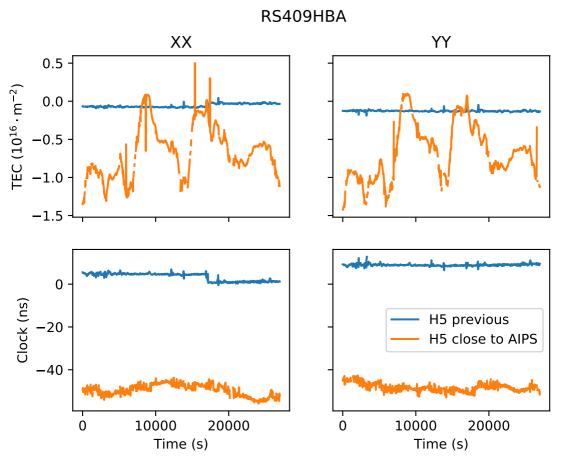


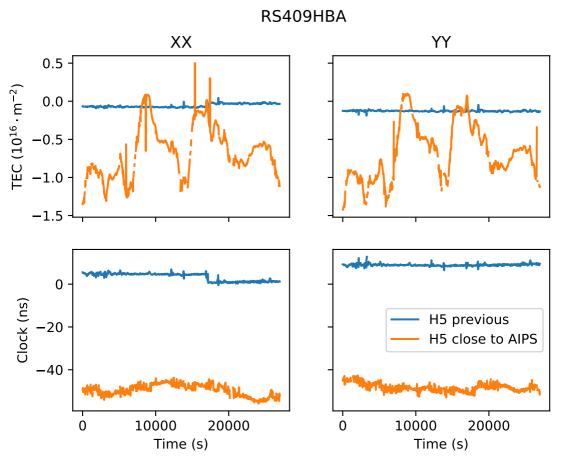


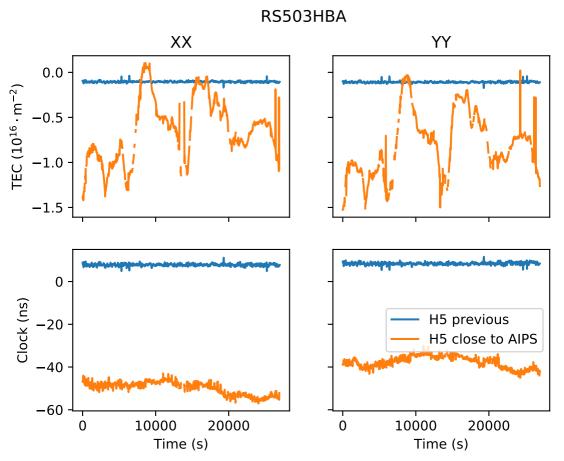


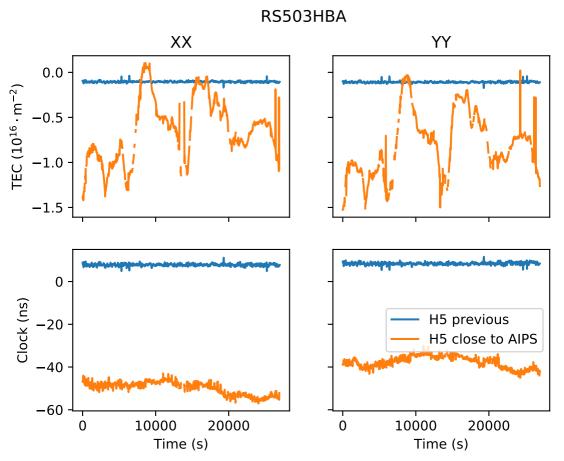


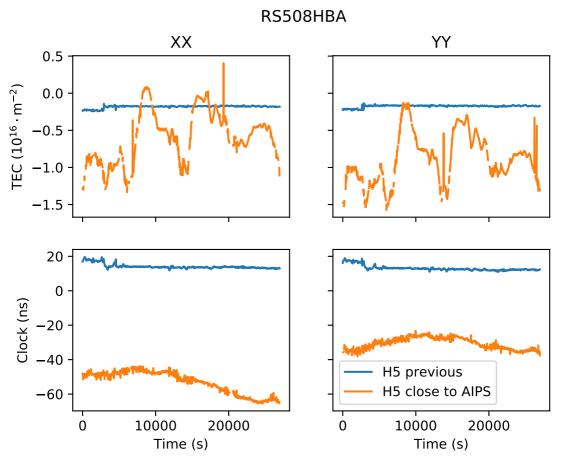


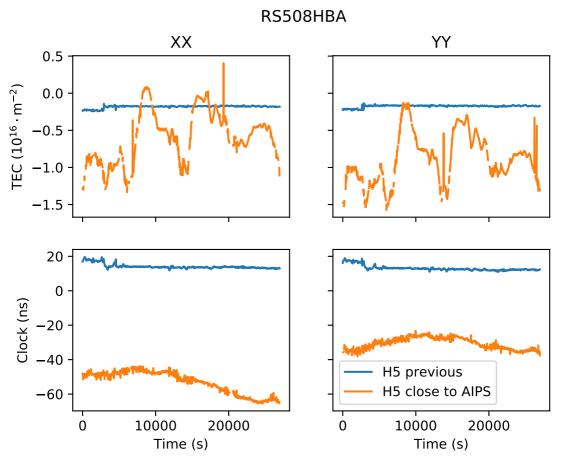


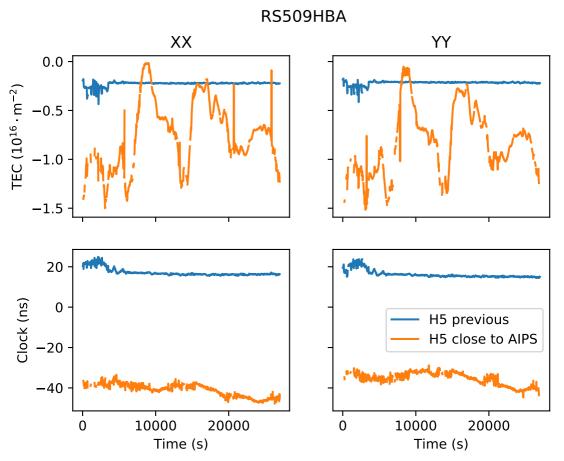


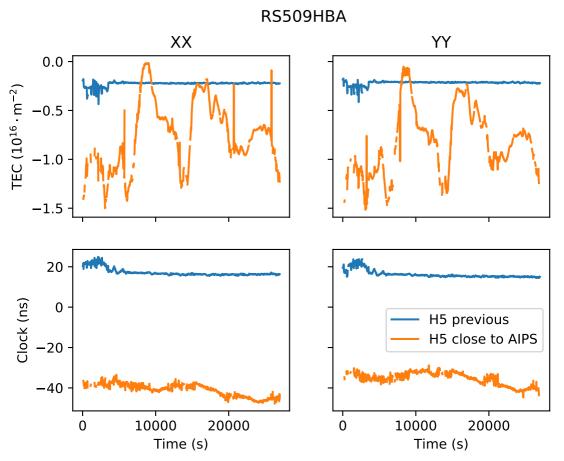


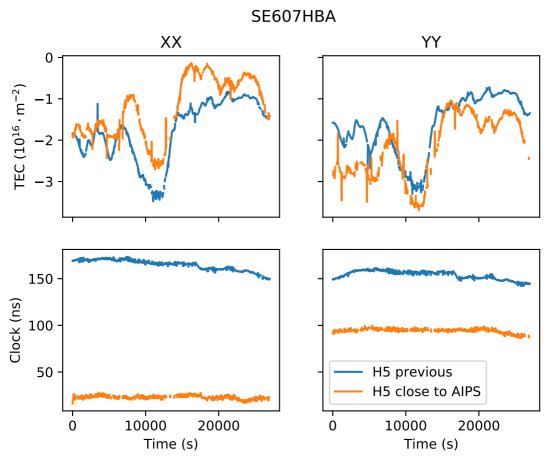


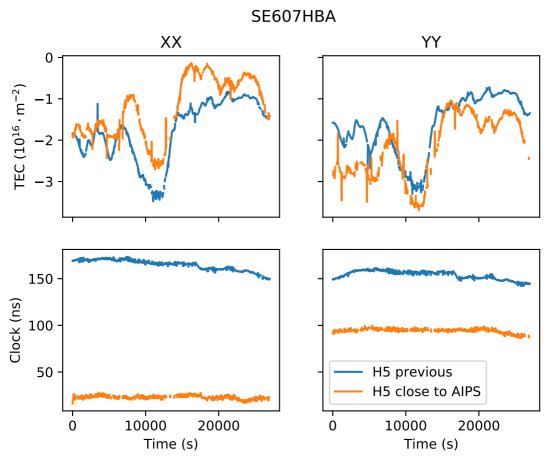












UK608HBA XXYY 1.0 TEC $(10^{16} \cdot \text{m}^{-2})$ 0.5 0.0 -0.5 -1.0-1.5180 160 Clock (ns) H5 previous 140 H5 close to AIPS 120 100 0 20000 20000 10000 10000 Time (s) Time (s)

UK608HBA XXYY 1.0 TEC $(10^{16} \cdot \text{m}^{-2})$ 0.5 0.0 -0.5 -1.0-1.5180 160 Clock (ns) H5 previous 140 H5 close to AIPS 120 100 0 20000 20000 10000 10000 Time (s) Time (s)