

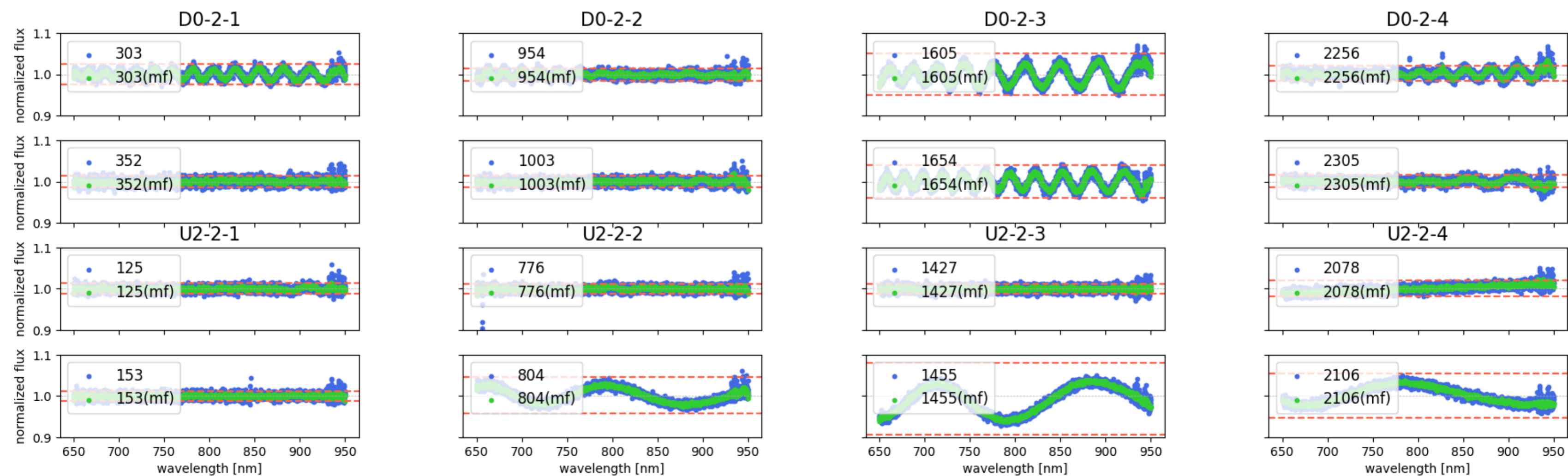
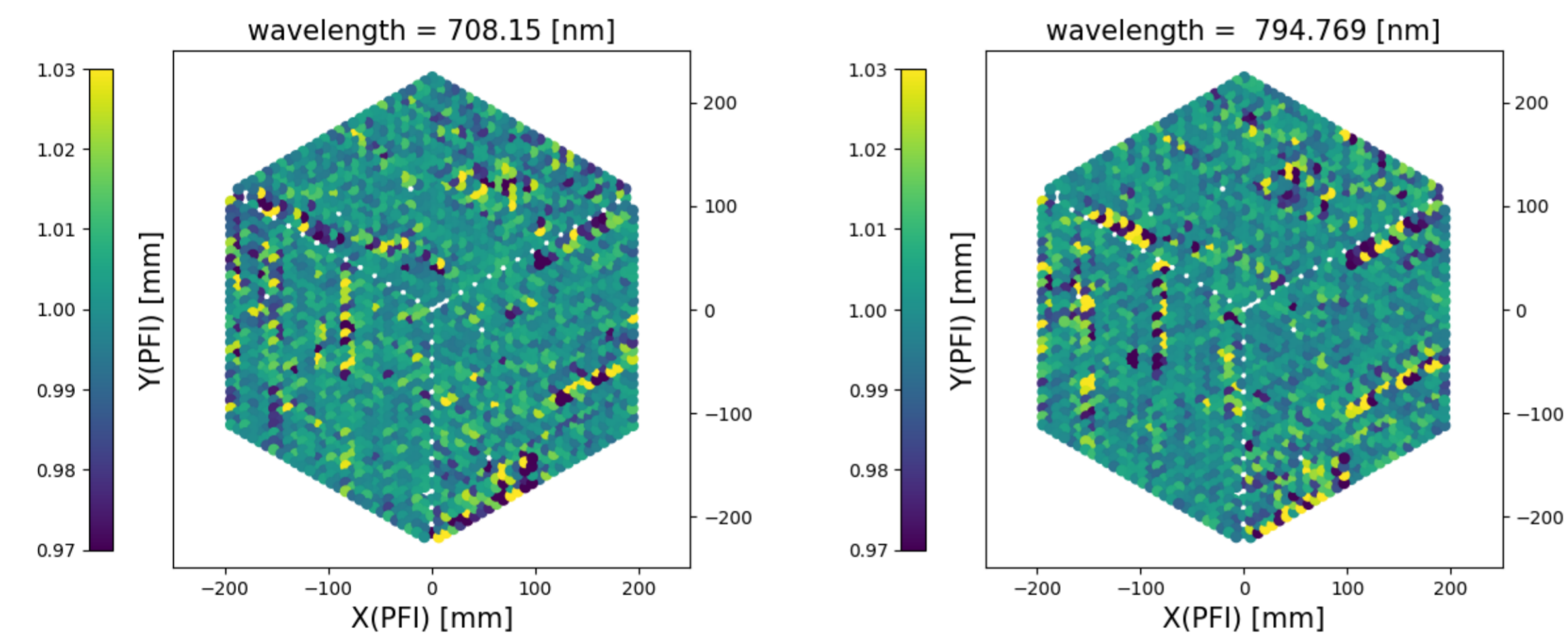
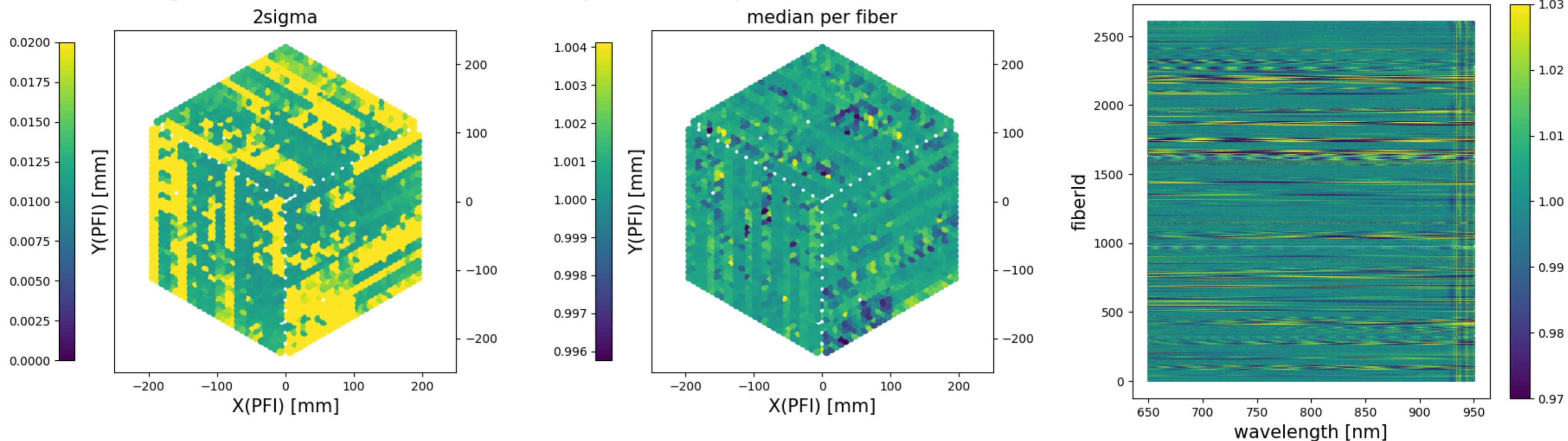
quartz - pfsArm :115017 (2024-09-02 19:45:56 HST), arm=r, insrot = 0.0, azimuth = 322.0
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set1_115017.png

IQR sigma (Q75,Q25) measured from flattened array of fibers times pixels: r1= 0.0084

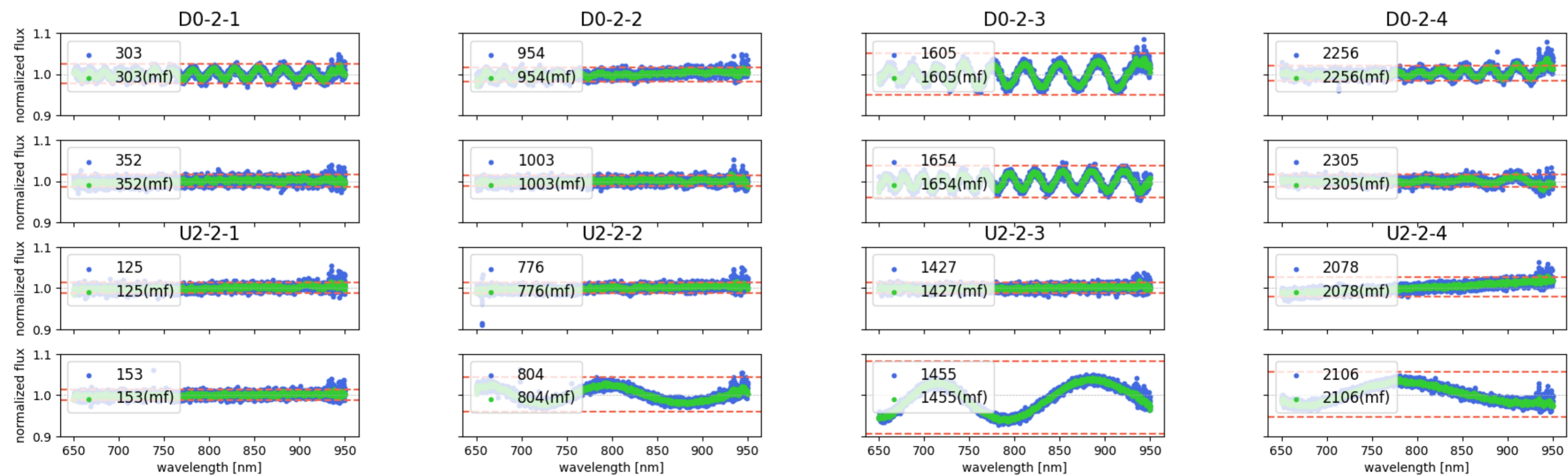
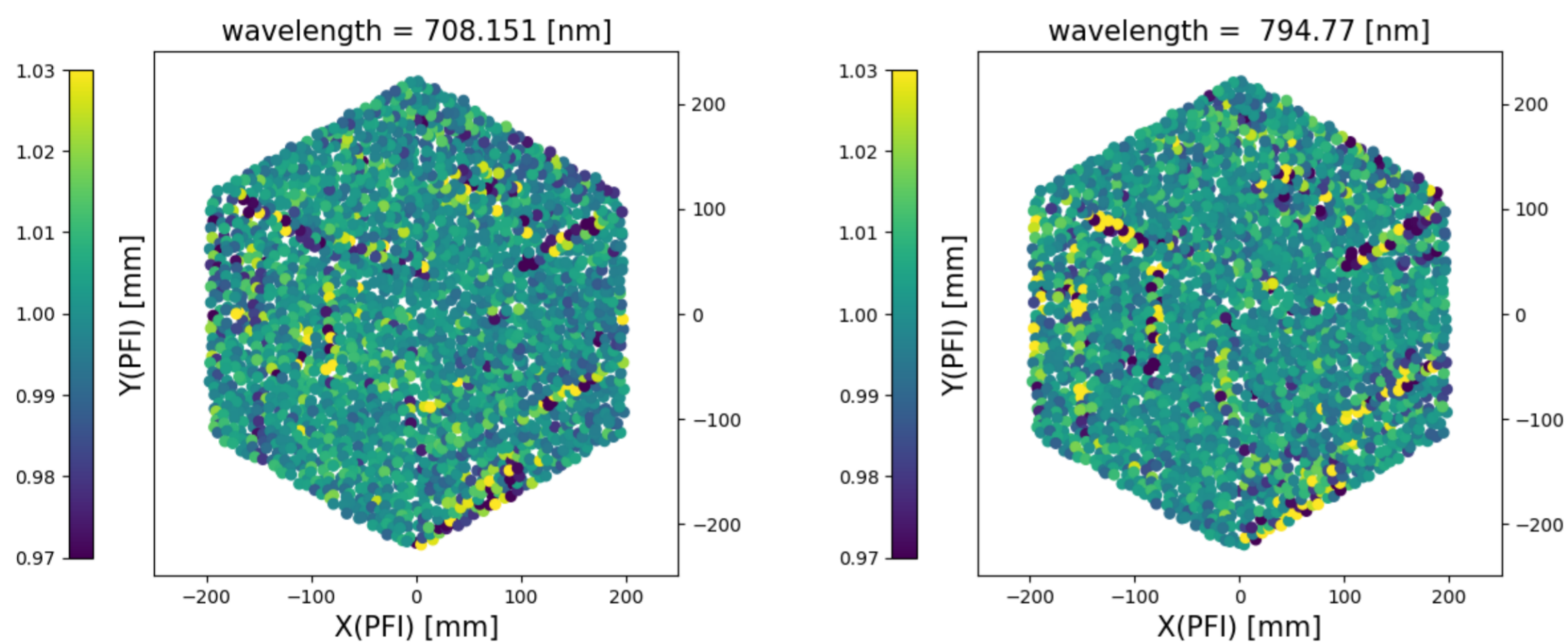
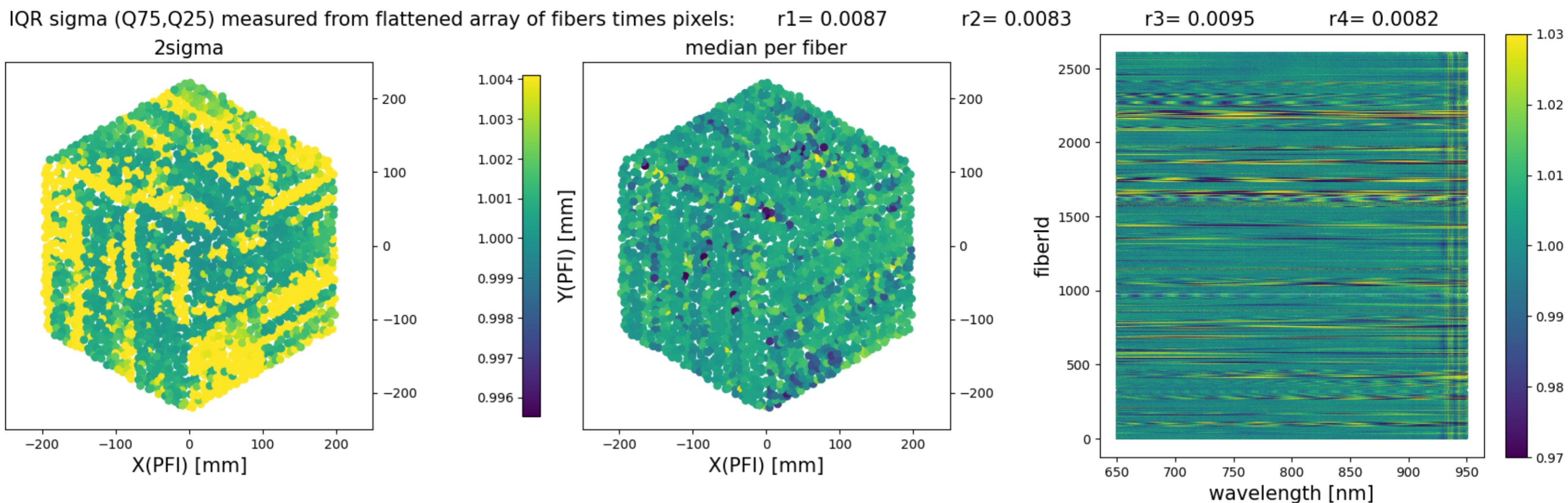
r2= 0.0081

r3= 0.0092

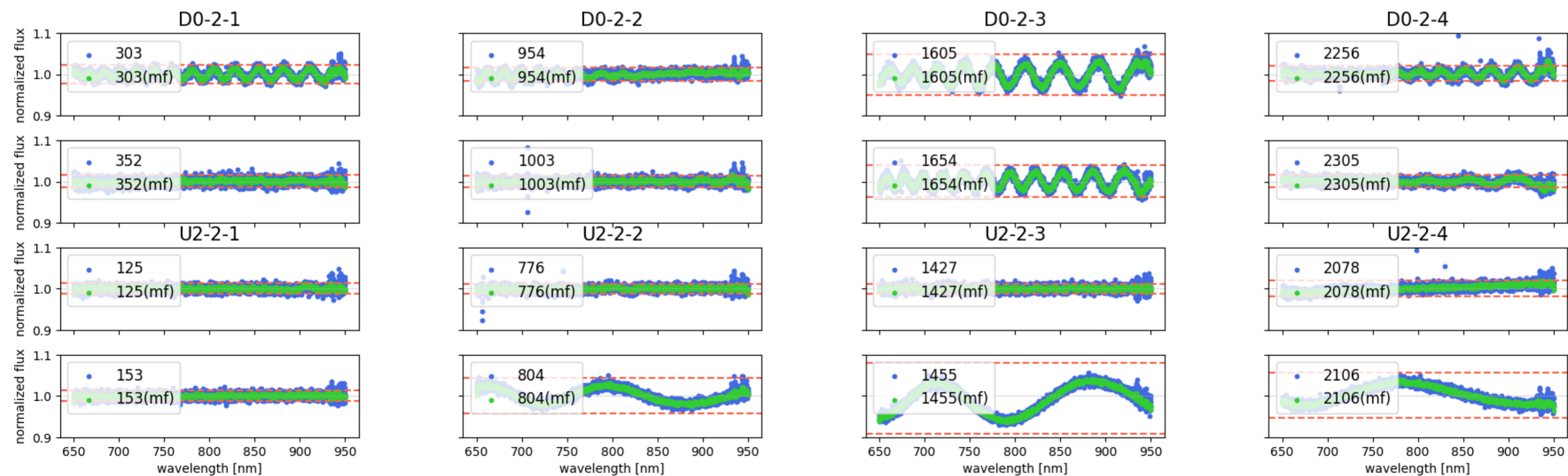
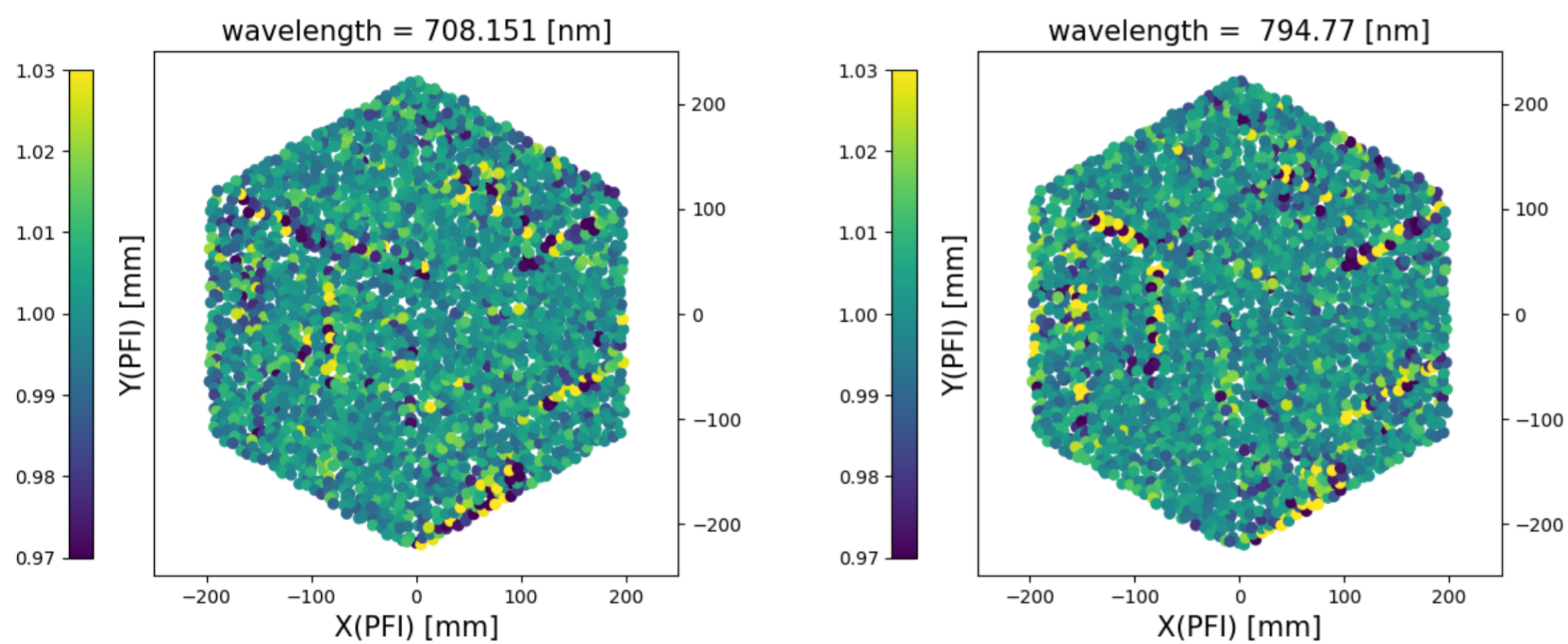
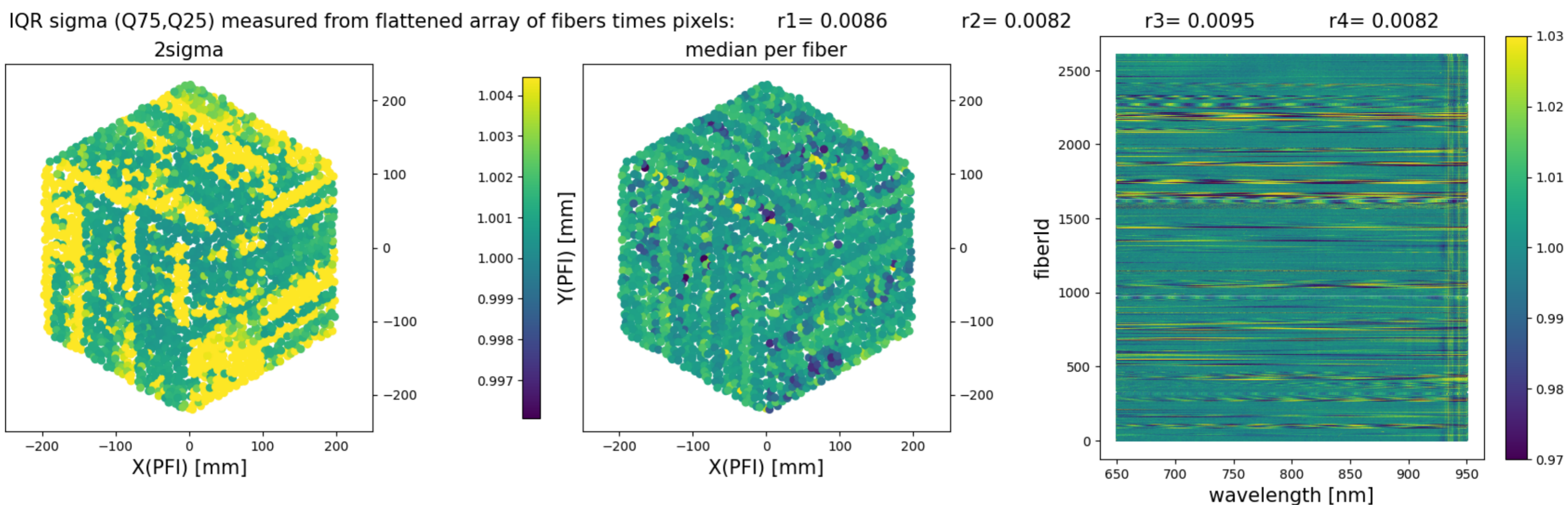
r4= 0.008



quartz - pfsArm : 115023 (2024-09-02 20:38:49 HST), arm=r, insrot = -84.1, azimuth = 4.5
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set1_115023.png



quartz - pfsArm :115024 (2024-09-02 20:43:23 HST), arm=r, insrot = -0.0, azimuth = 4.5
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set1_115024.png



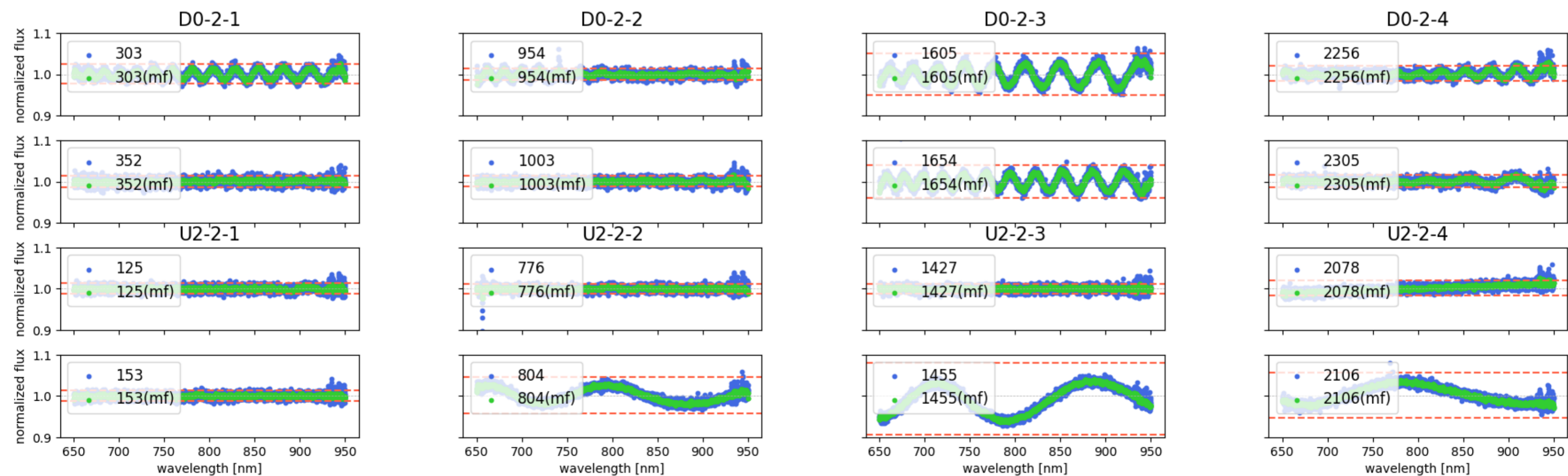
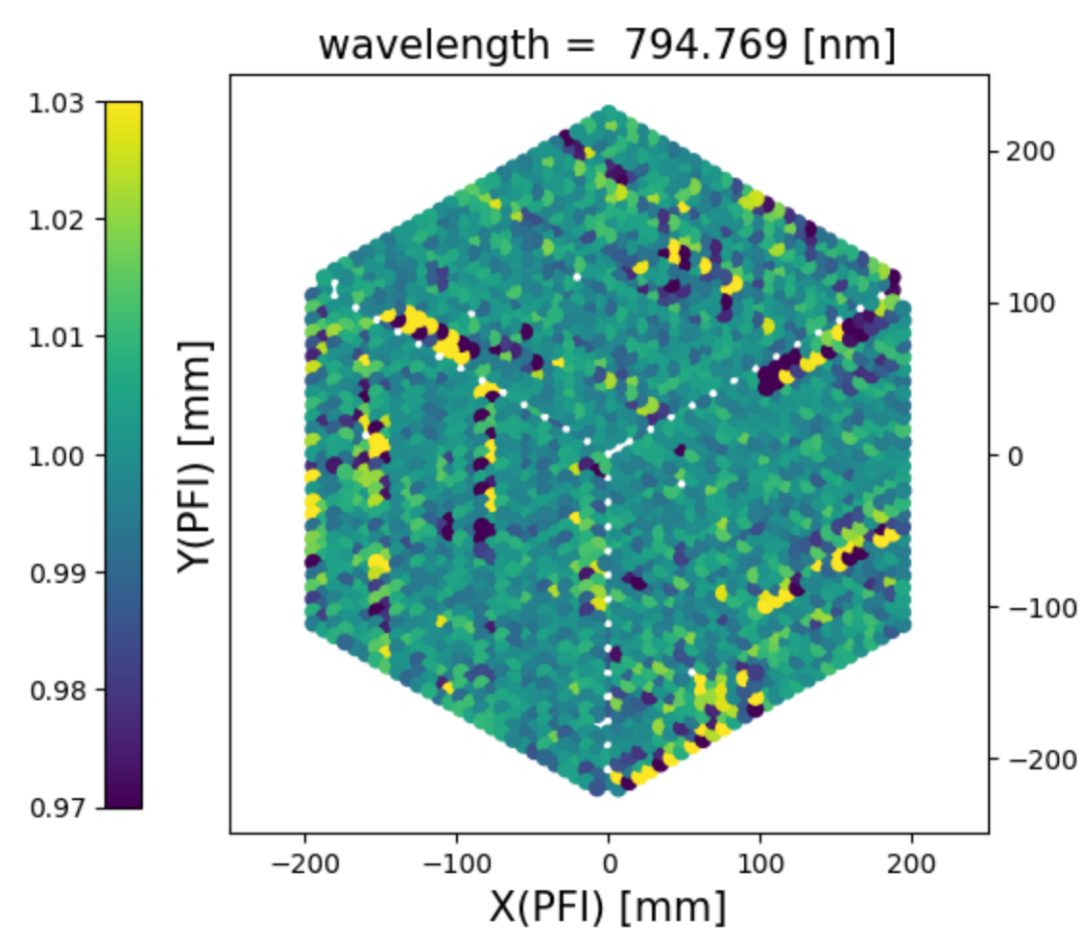
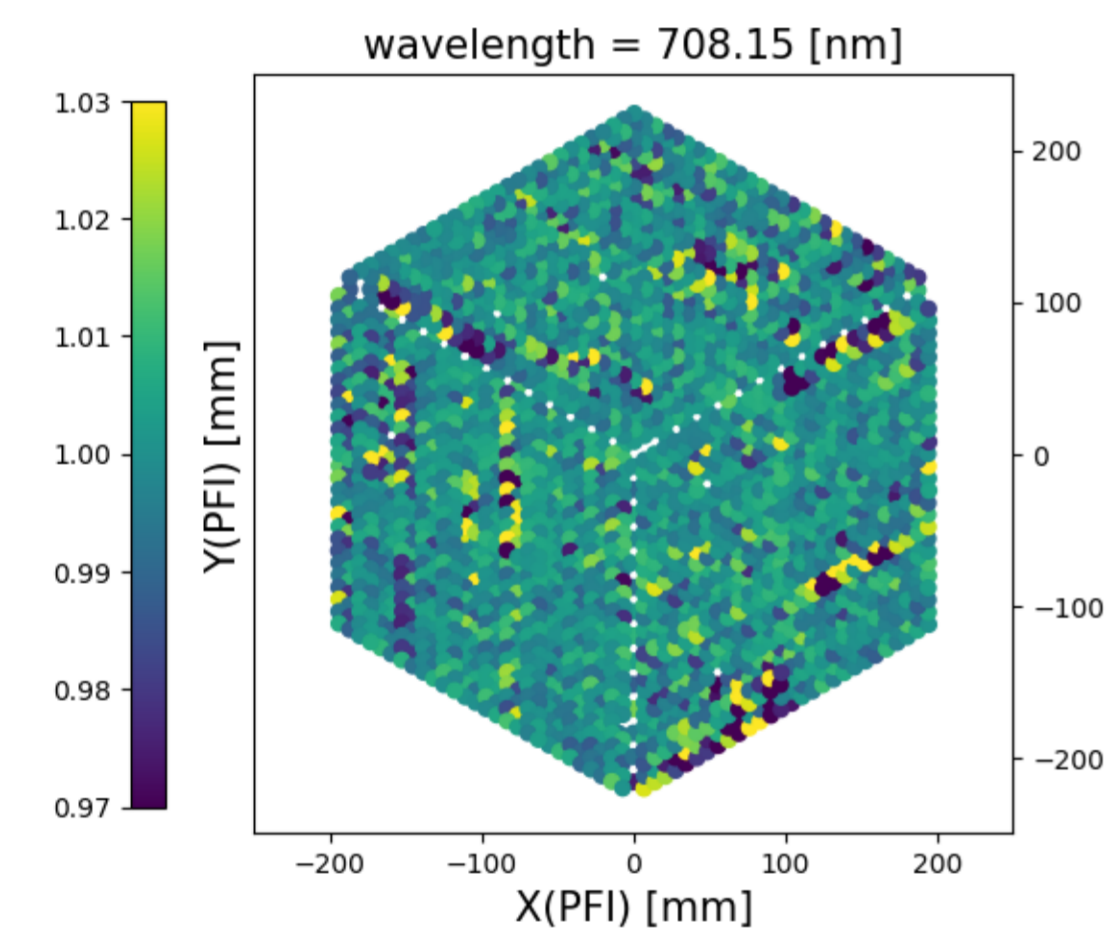
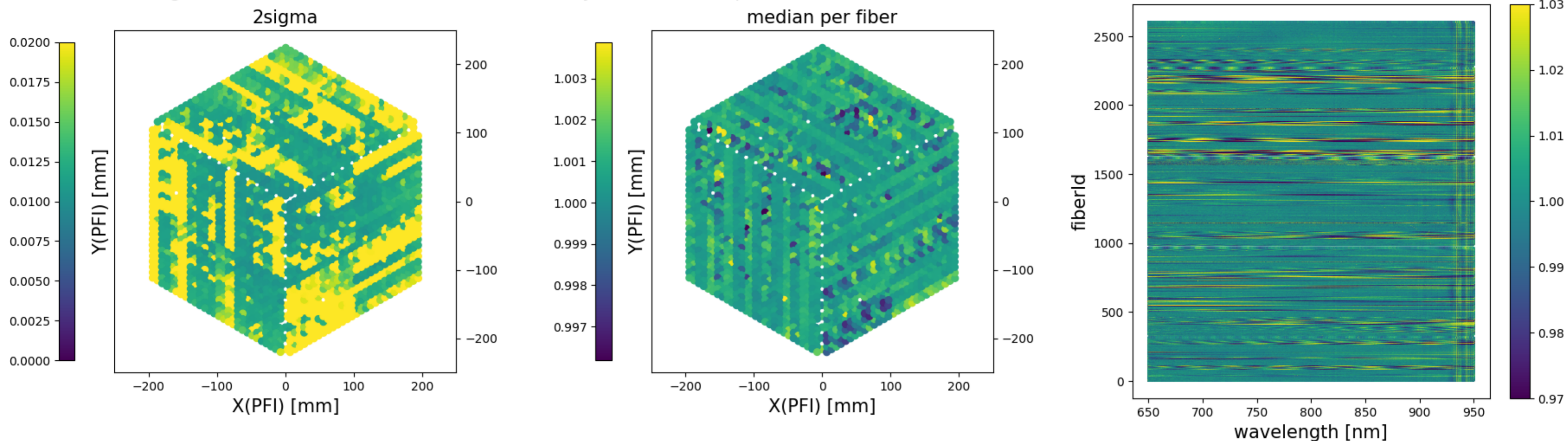
quartz - pfsArm :115026 (2024-09-02 20:46:29 HST), arm=r, insrot = -0.0, azimuth = 4.5
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set1_115026.png

IQR sigma (Q75,Q25) measured from flattened array of fibers times pixels: r1= 0.0085

r2= 0.0081

r3= 0.0093

r4= 0.008



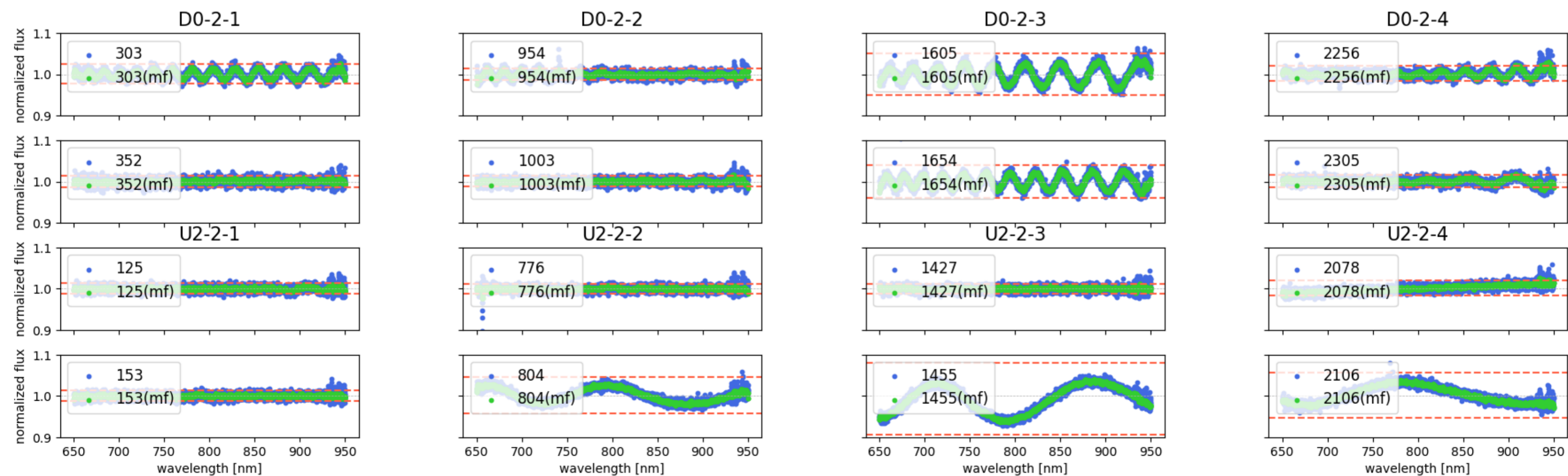
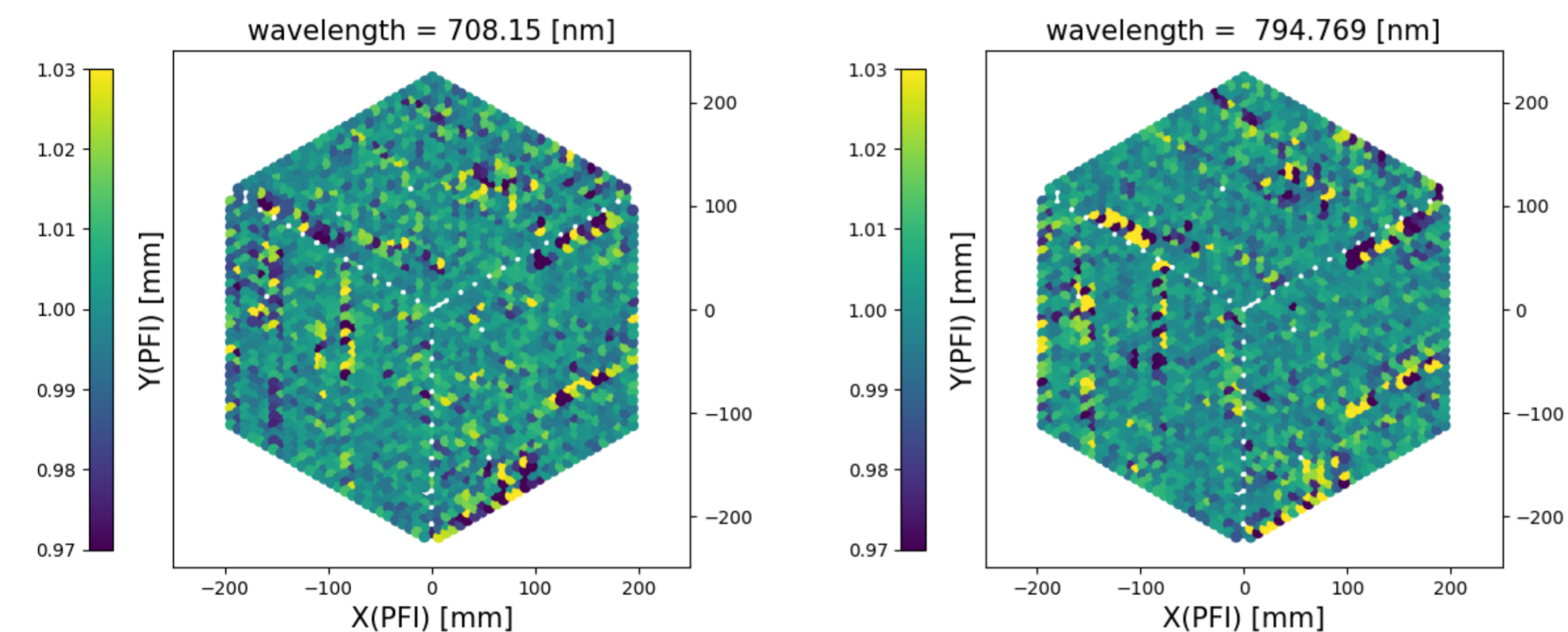
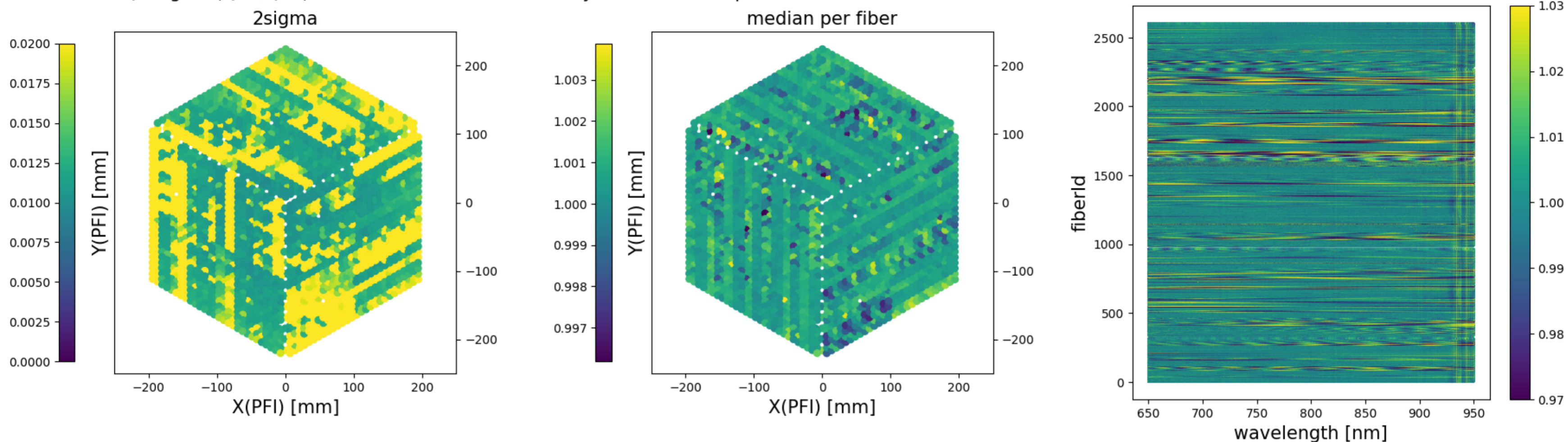
quartz - pfsArm :115026 (2024-09-02 20:46:29 HST), arm=r, insrot = -0.0, azimuth = 4.5
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set2_115026.png

IQR sigma (Q75,Q25) measured from flattened array of fibers times pixels: r1= 0.0085

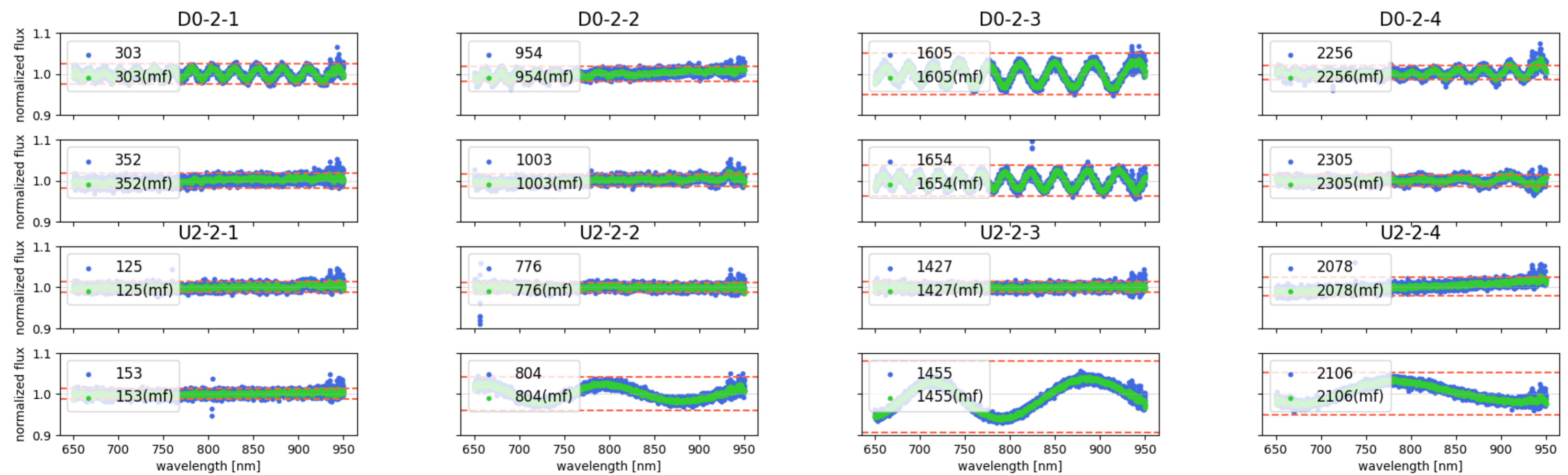
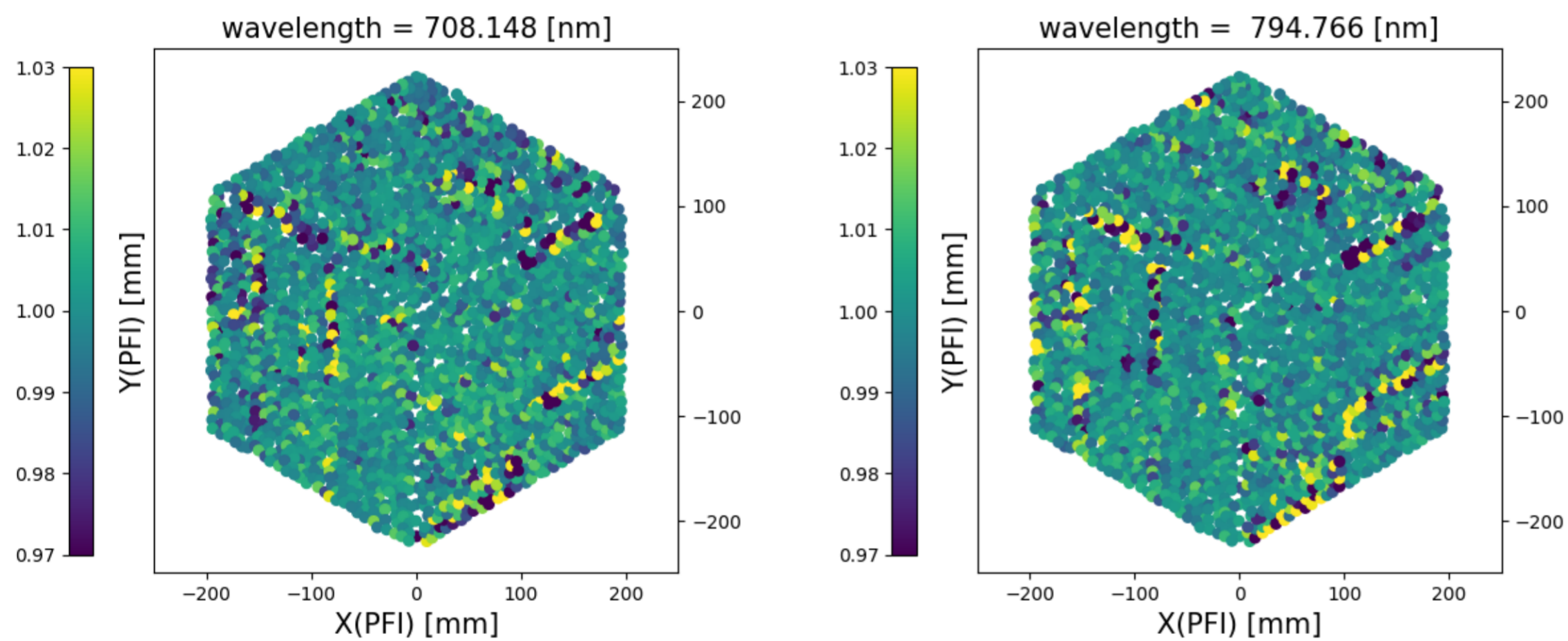
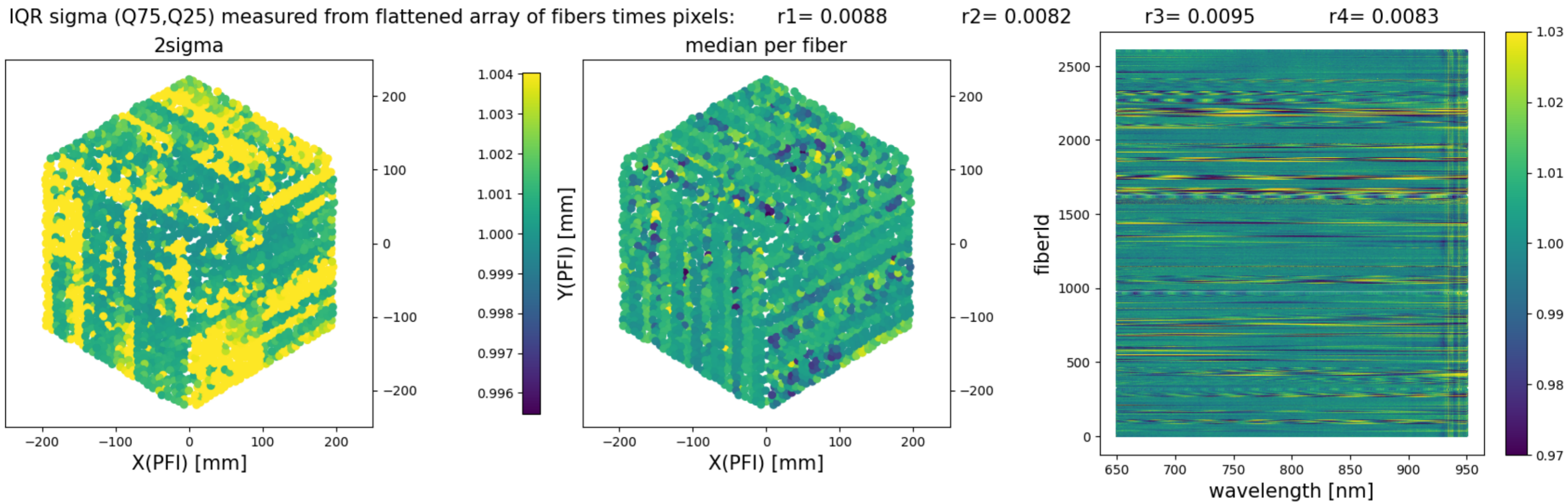
r2= 0.0081

r3= 0.0093

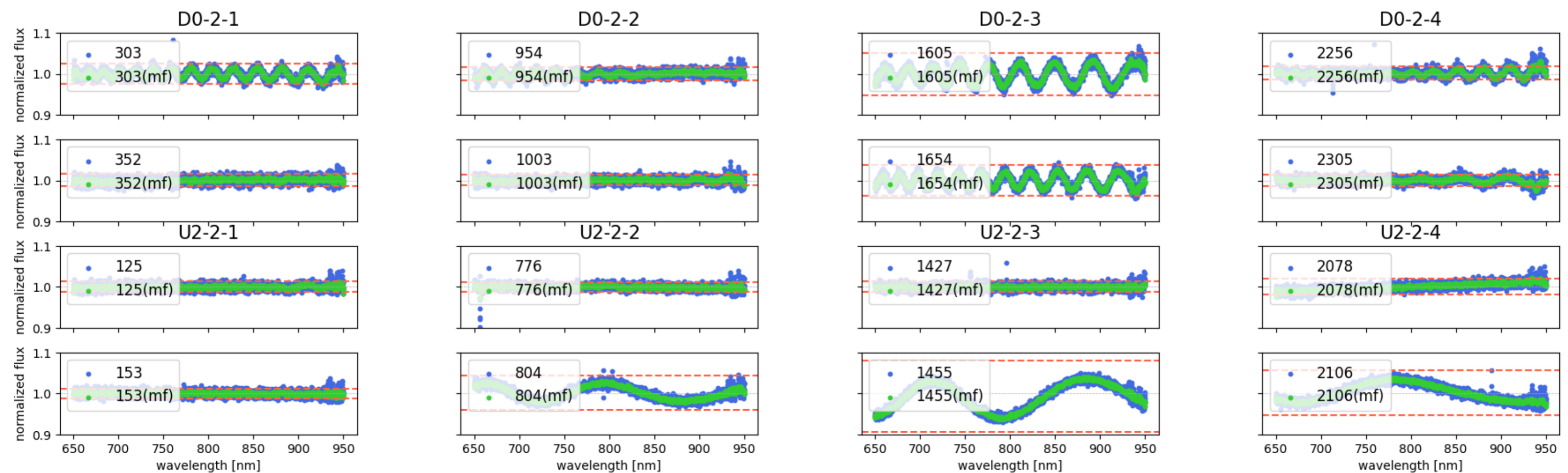
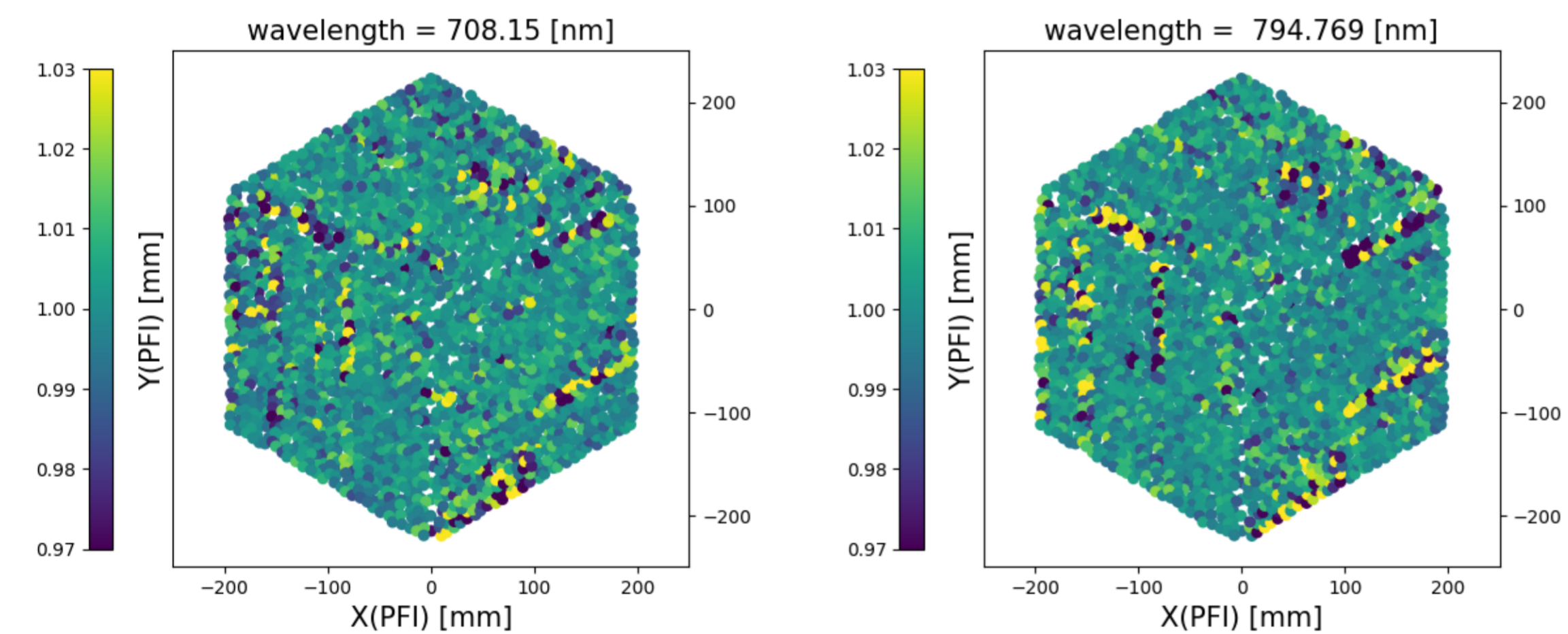
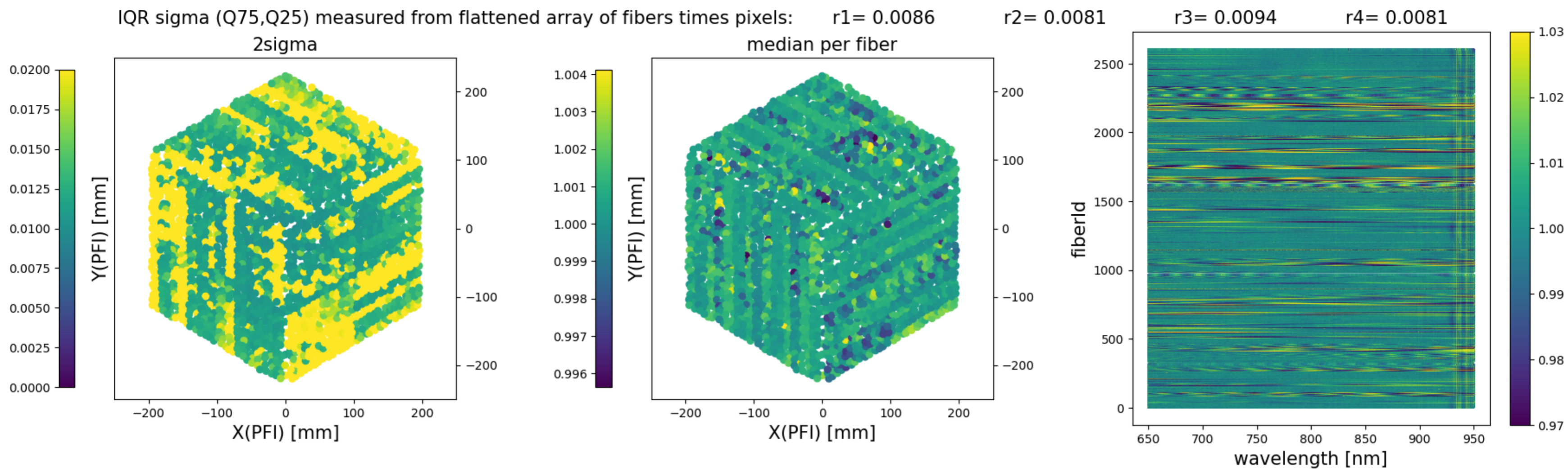
r4= 0.008



quartz - pfsArm : 115030 (2024-09-02 21:29:20 HST), arm=r, insrot = 100.6, azimuth = 310.3
/kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
file at pfsArm/20241209/r-arm/set2_115030.png



quartz - pfsArm :115031 (2024-09-02 21:32:37 HST), arm=r, insrot = 0.0, azimuth = 310.3
/kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
file at pfsArm/20241209/r-arm/set2_115031.png



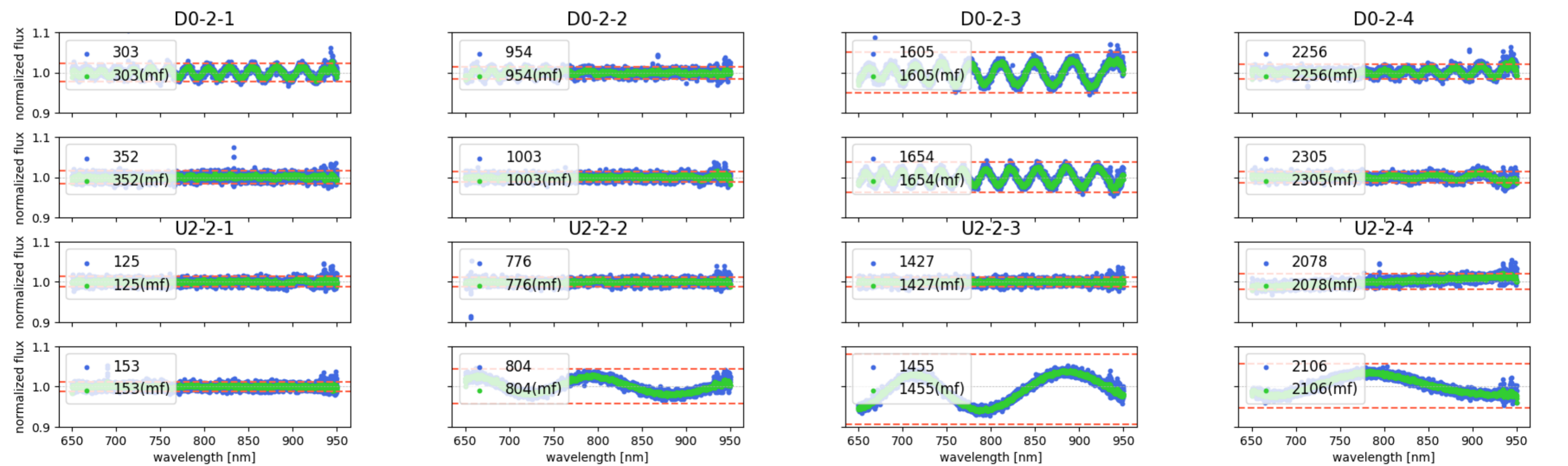
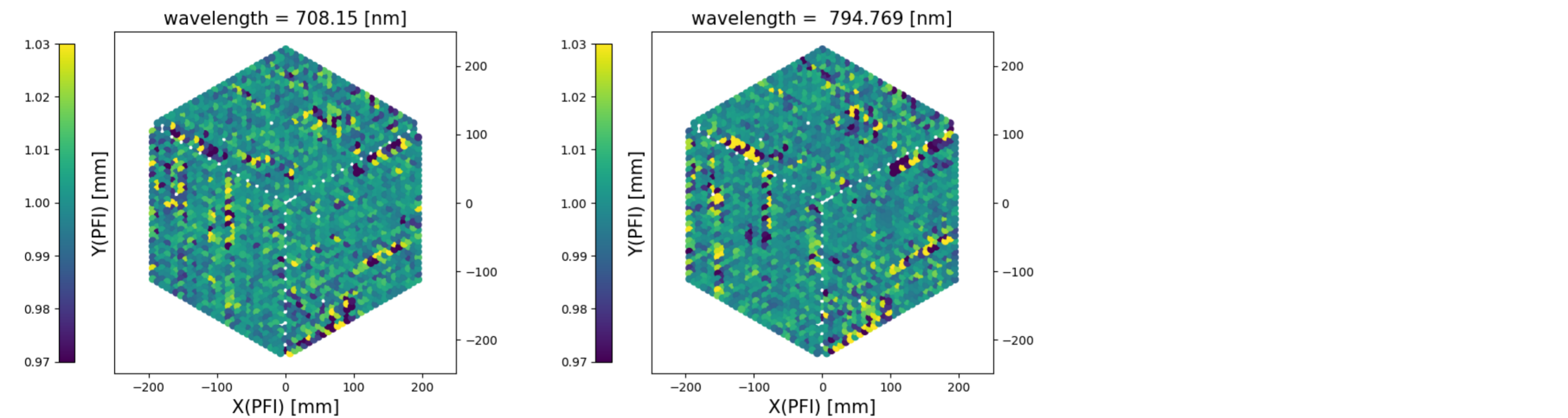
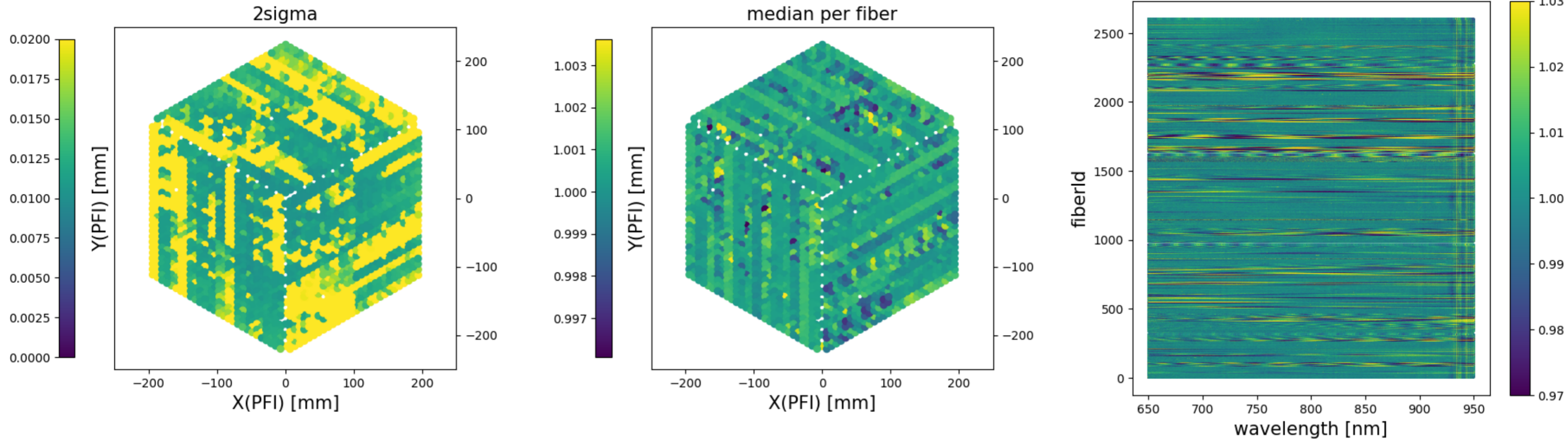
quartz - pfsArm :115033 (2024-09-02 21:35:43 HST), arm=r, insrot = 0.0, azimuth = 310.3
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set2_115033.png

IQR sigma (Q75,Q25) measured from flattened array of fibers times pixels: r1= 0.0085

r2= 0.008

r3= 0.0093

r4= 0.008



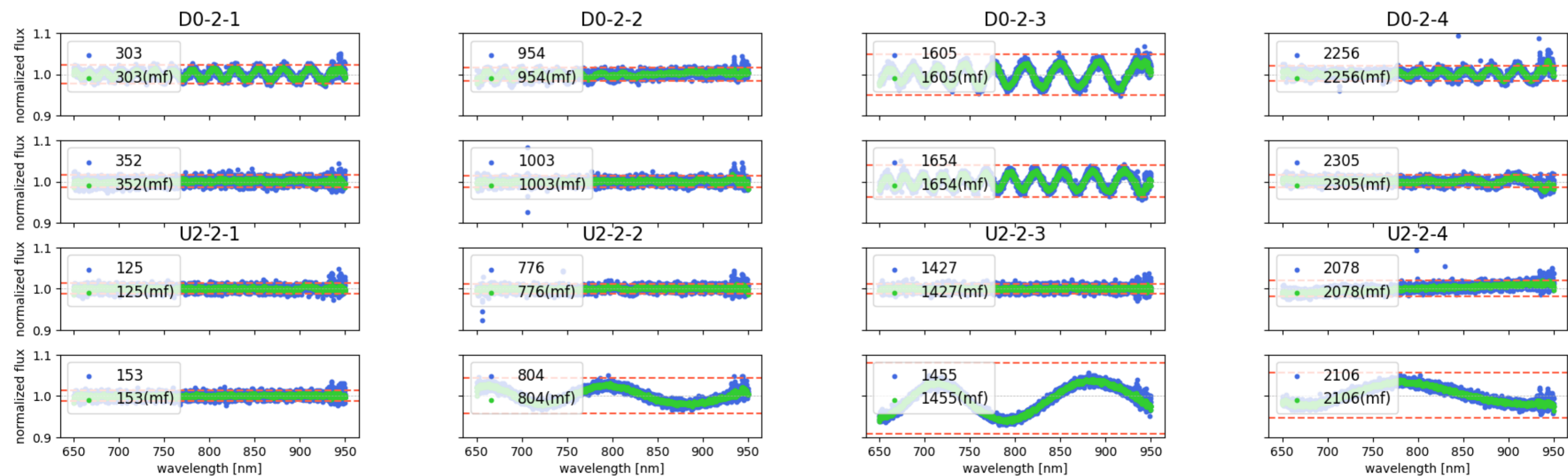
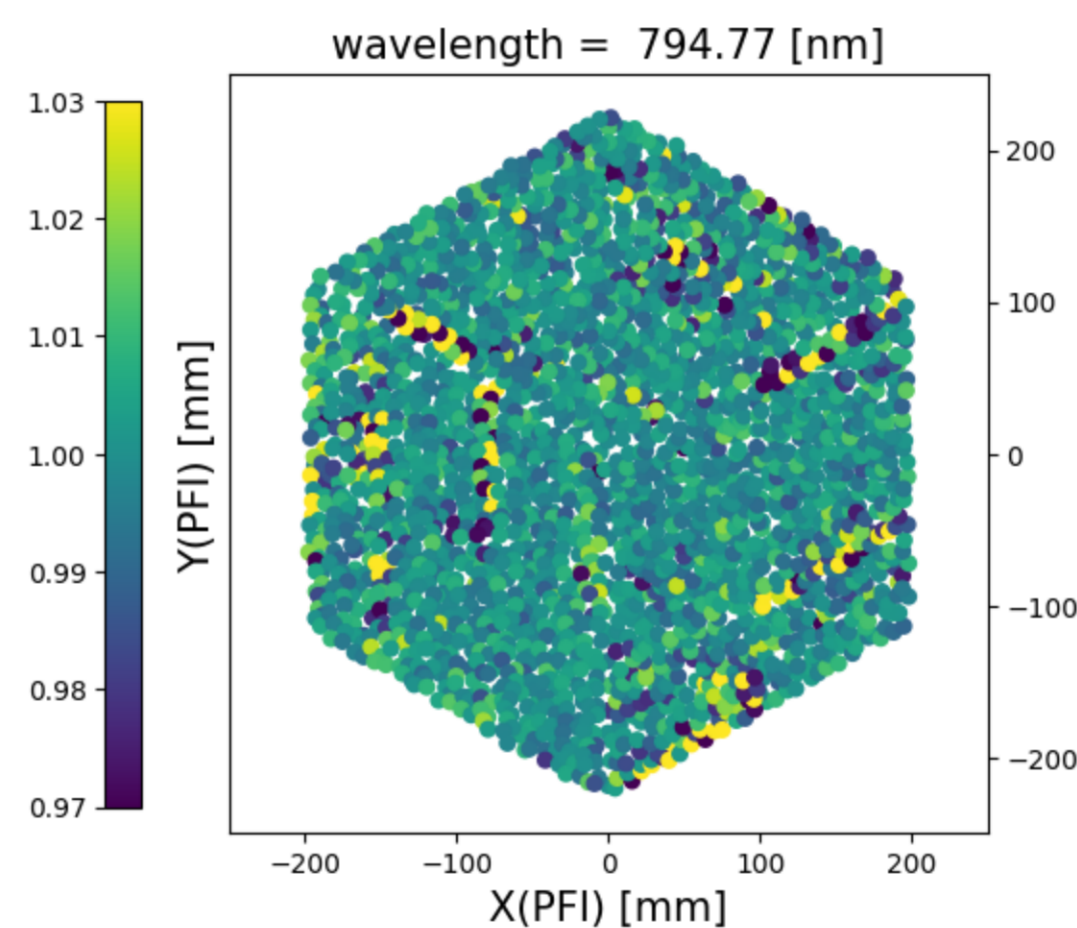
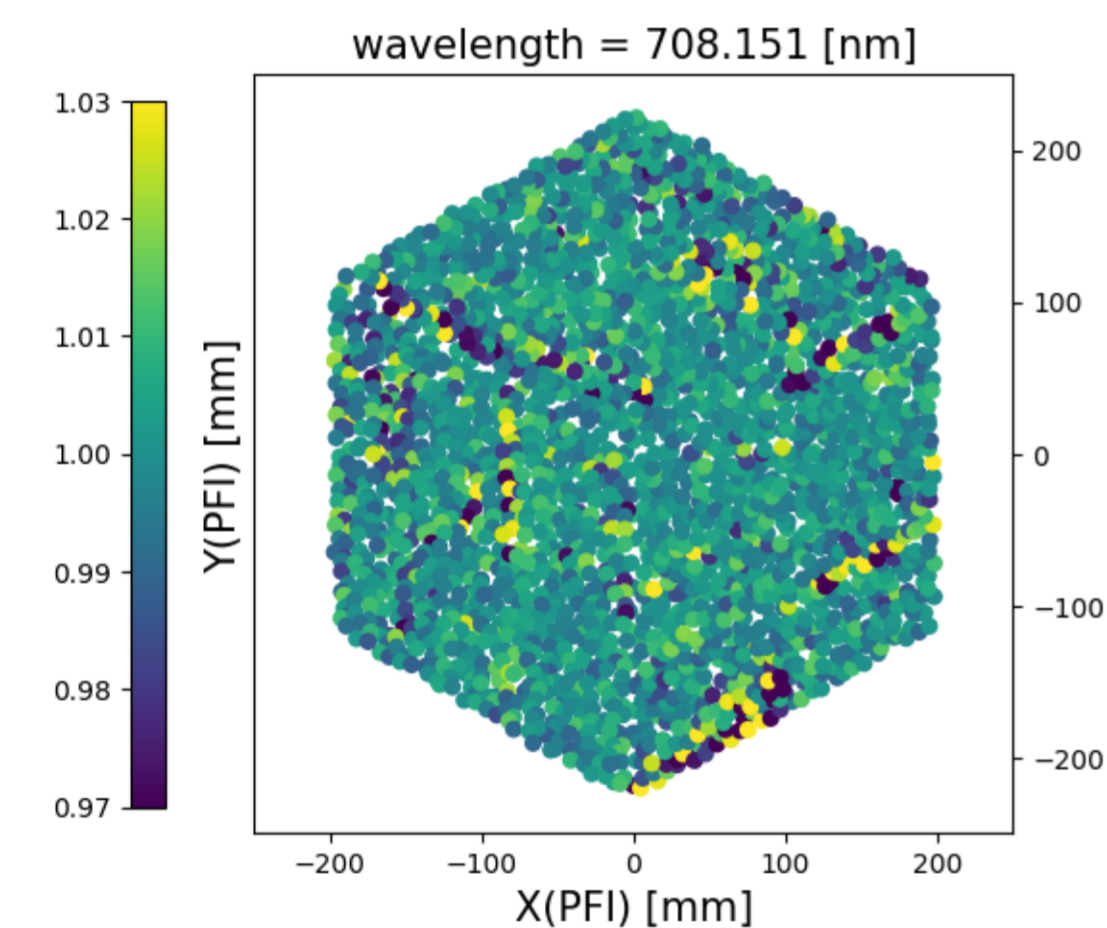
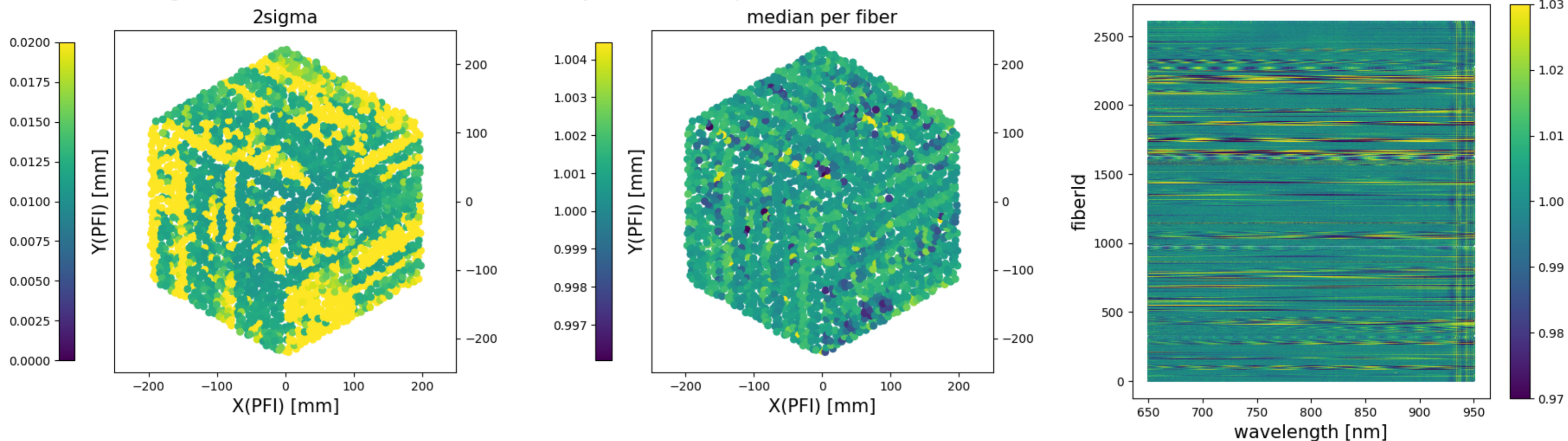
quartz - pfsArm :115024 (2024-09-02 20:43:23 HST), arm=r, insrot = -0.0, azimuth = 4.5
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 /home/ayumitk/run18/output/pfsArm/20241209/r-arm/set3_115024.png

IQR sigma (Q75,Q25) measured from flattened array of fibers times pixels: r1= 0.0086

r2= 0.0082

r3= 0.0095

r4= 0.0082



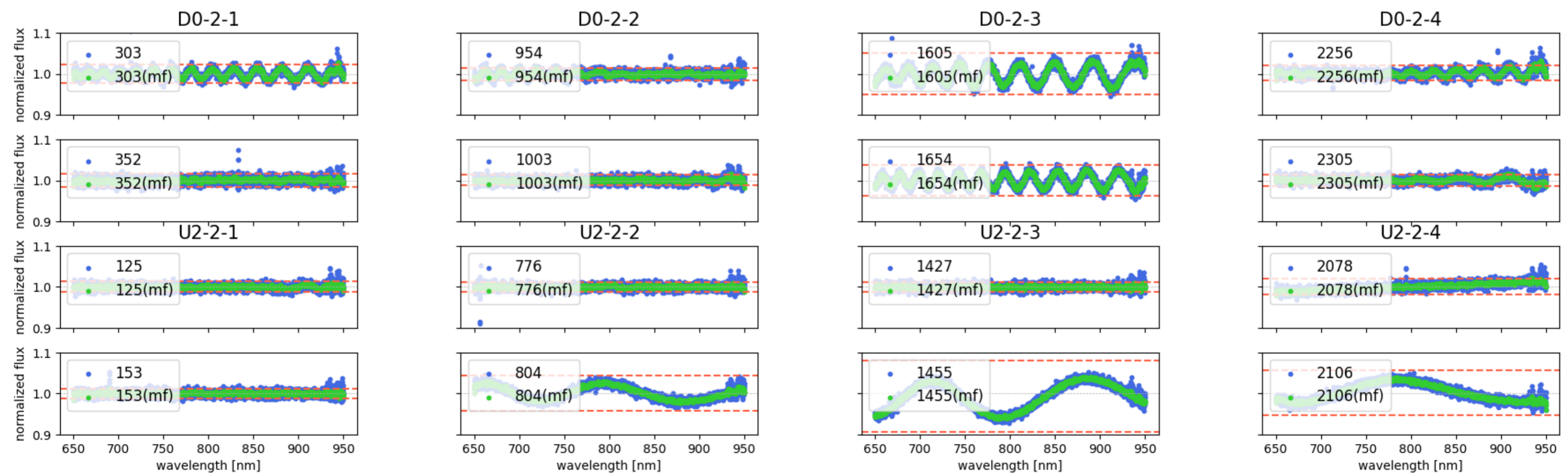
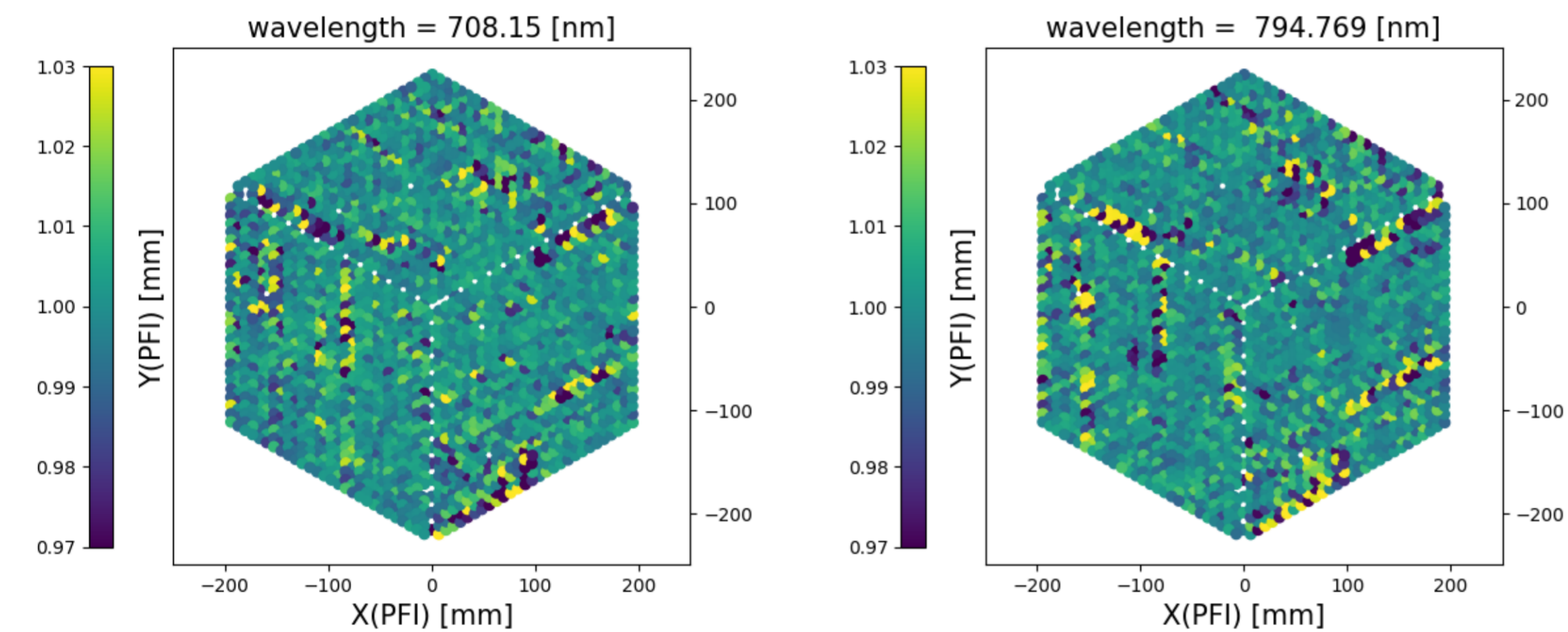
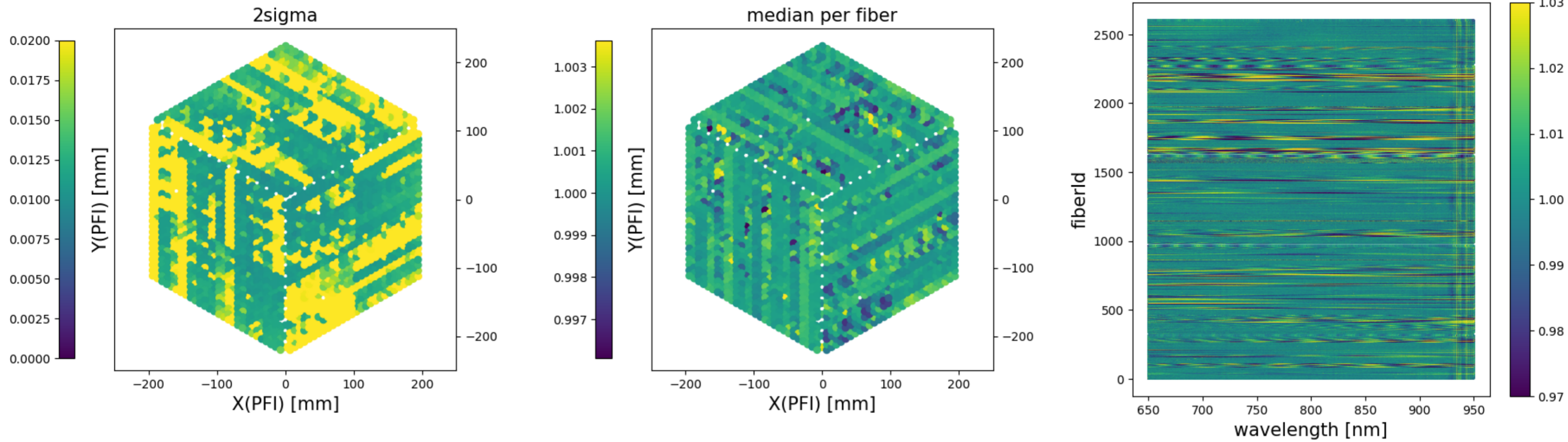
quartz - pfsArm :115033 (2024-09-02 21:35:43 HST), arm=r, insrot = 0.0, azimuth = 310.3
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set3_115033.png

IQR sigma (Q75,Q25) measured from flattened array of fibers times pixels: r1= 0.0085

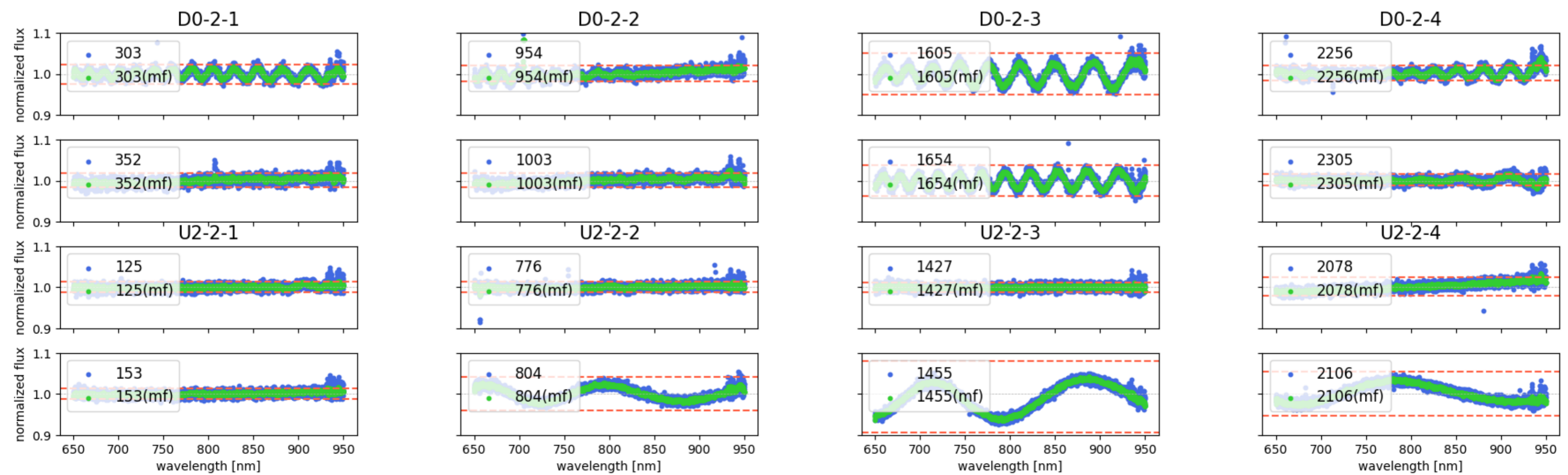
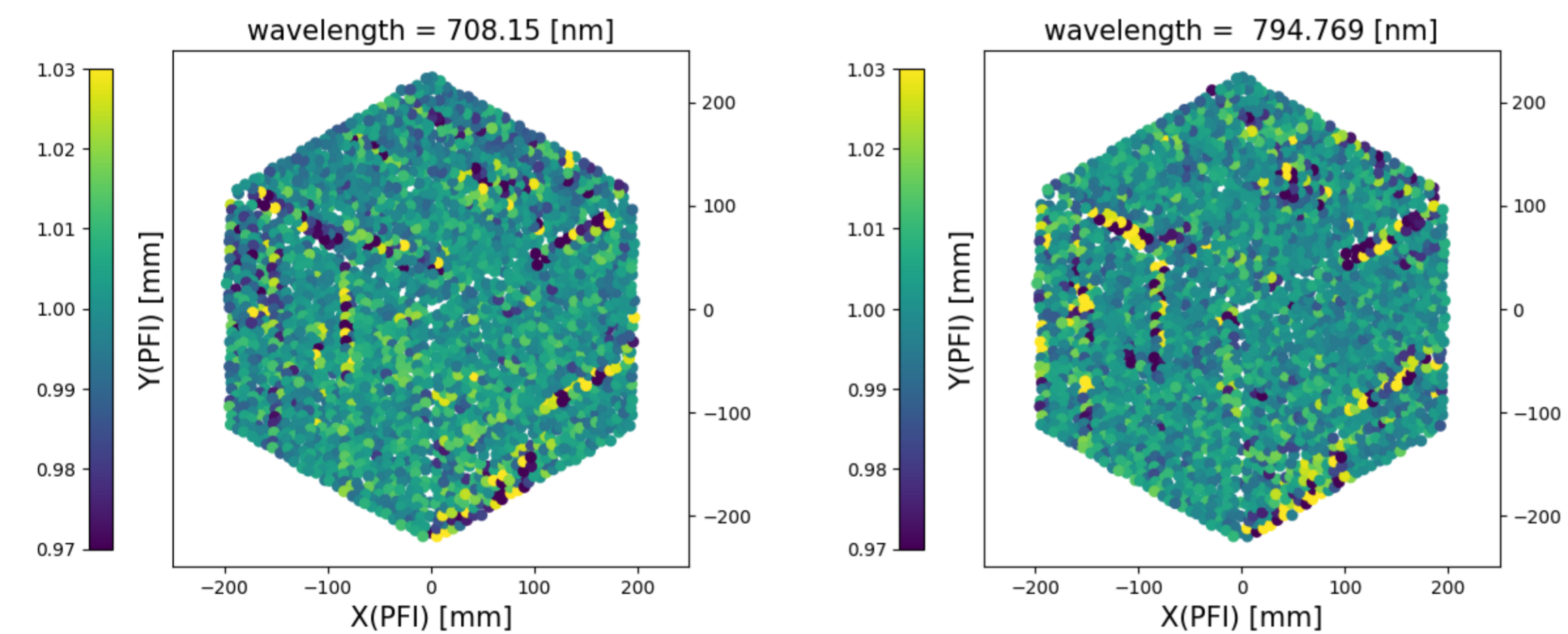
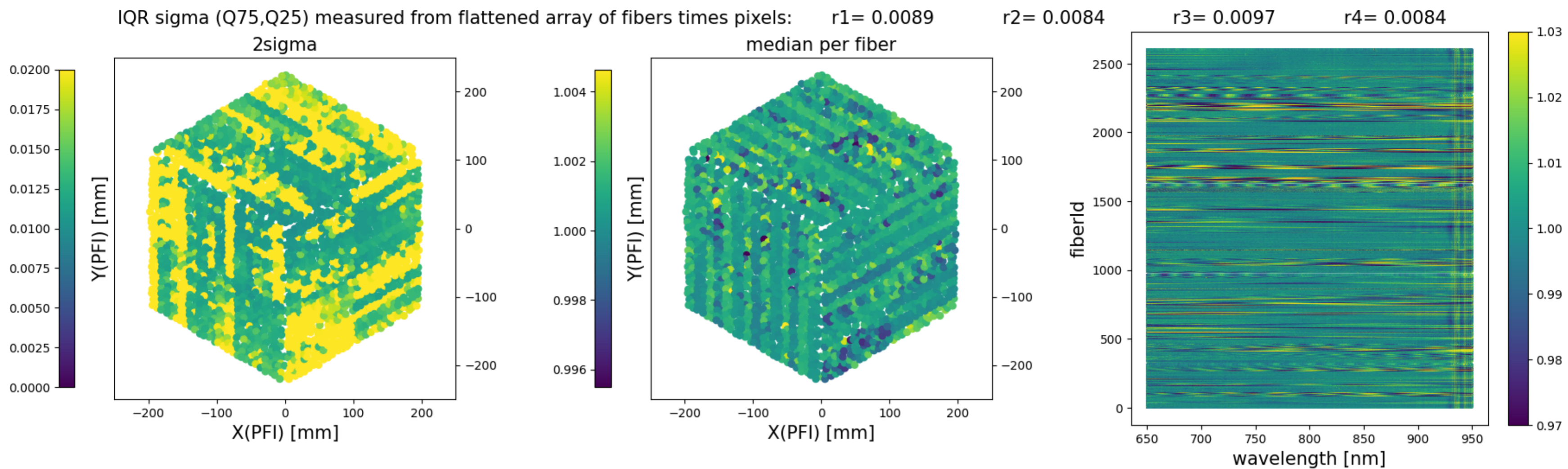
r2= 0.008

r3= 0.0093

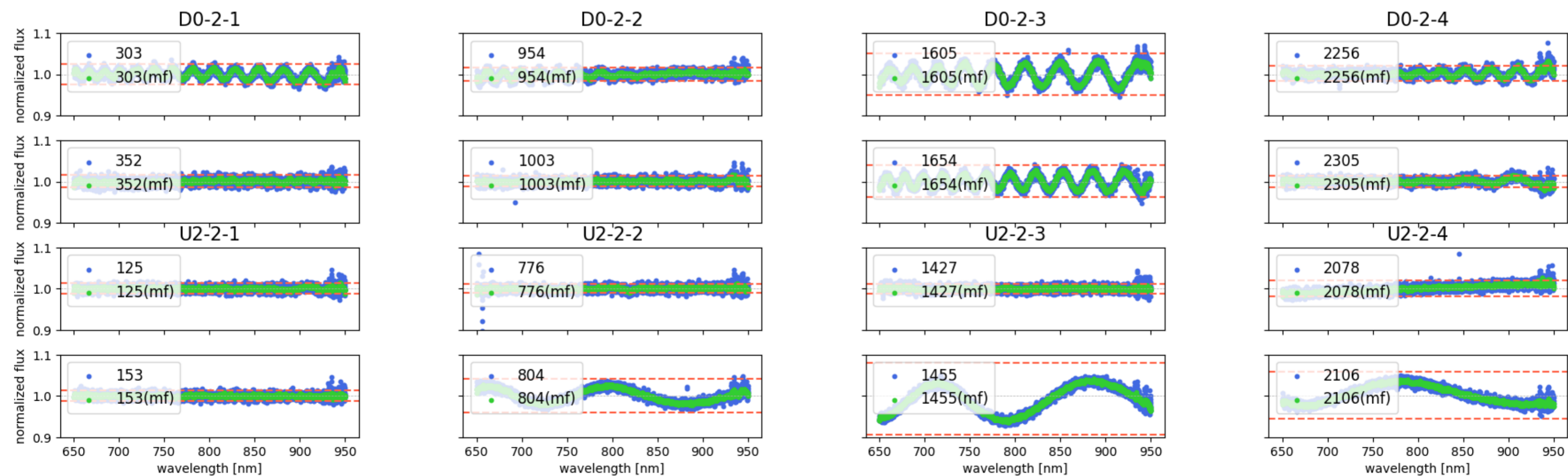
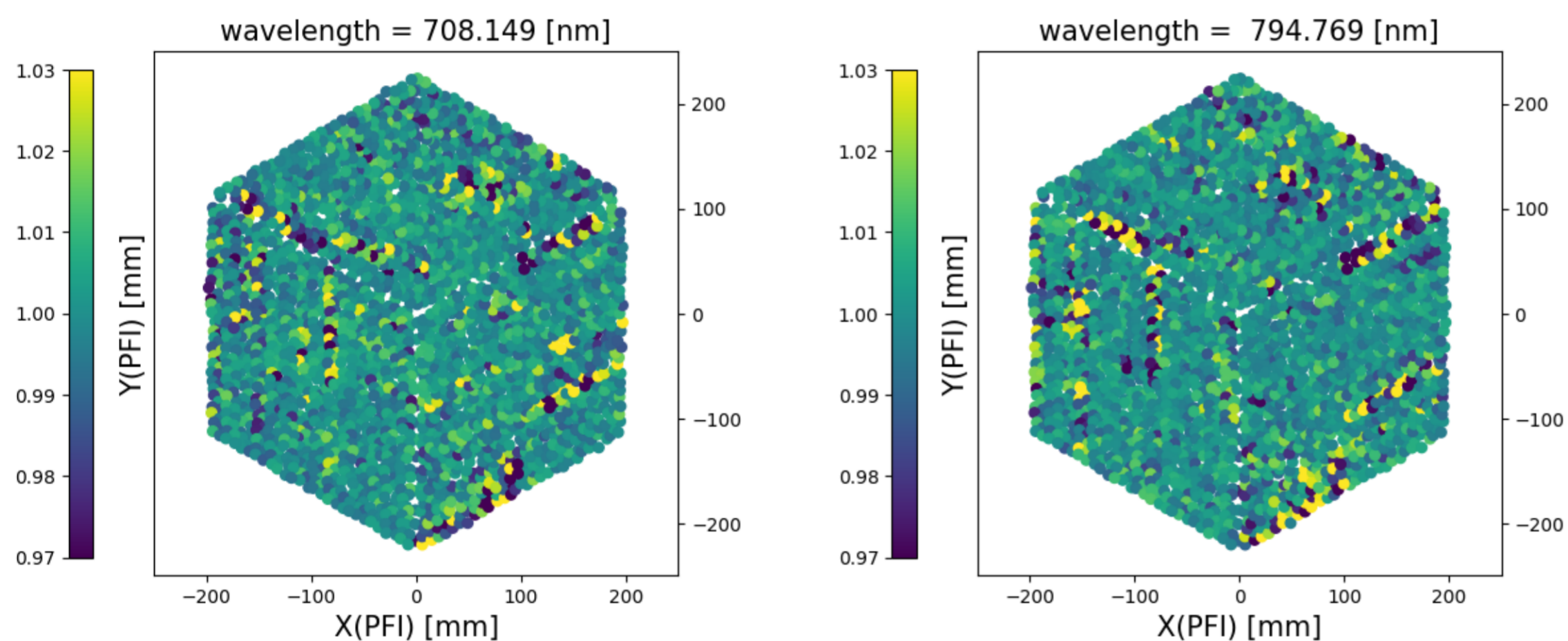
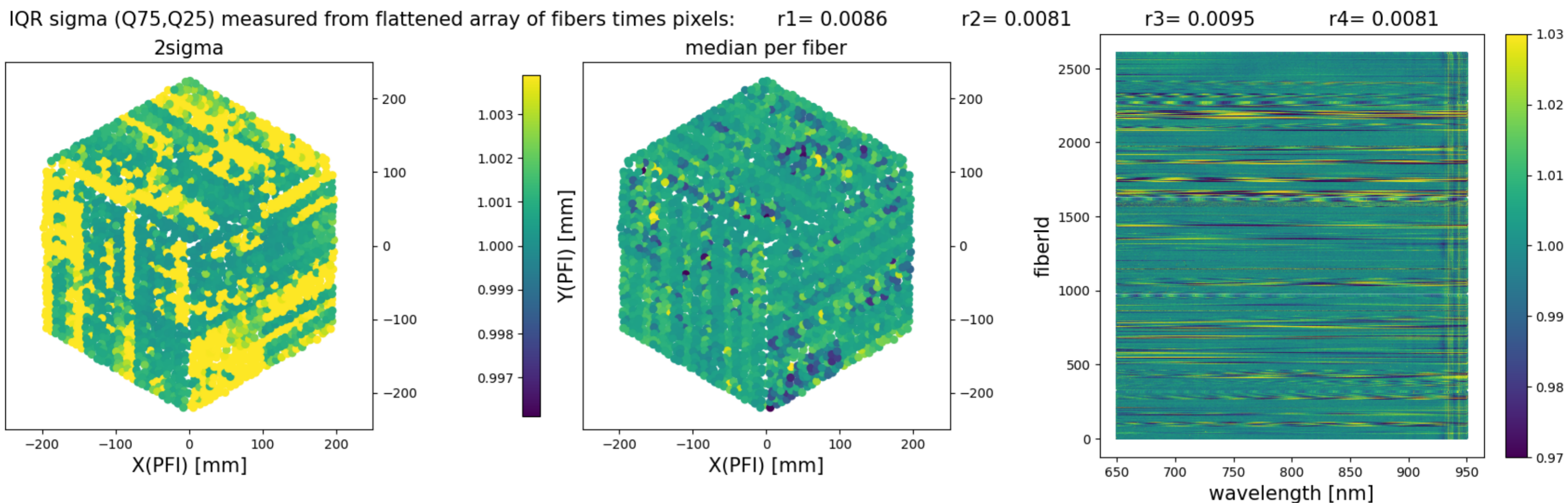
r4= 0.008



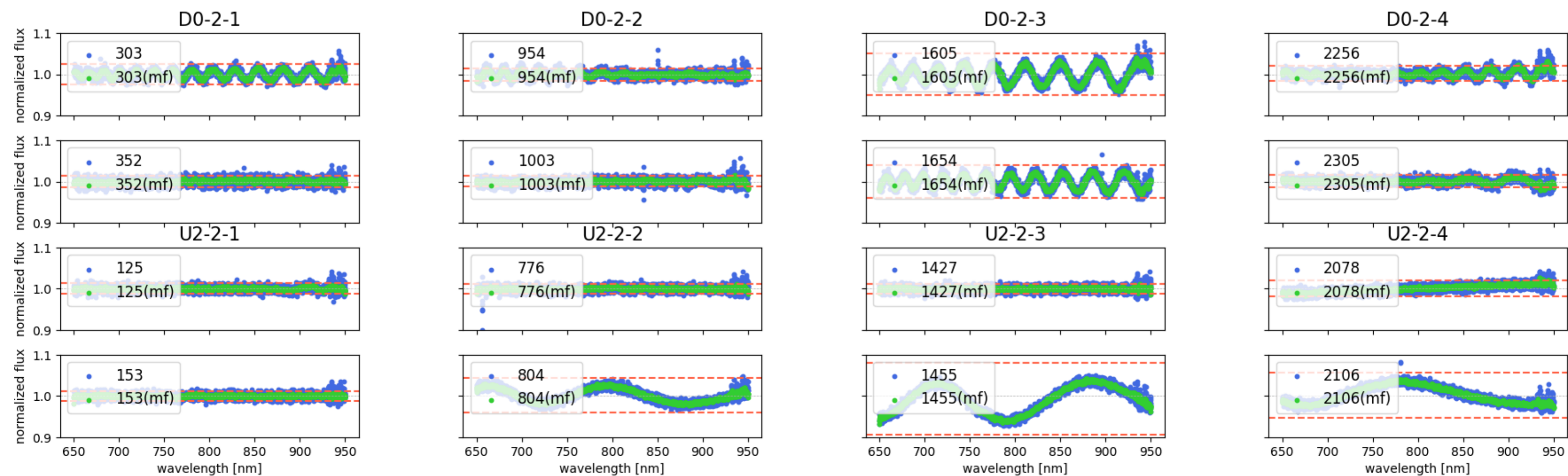
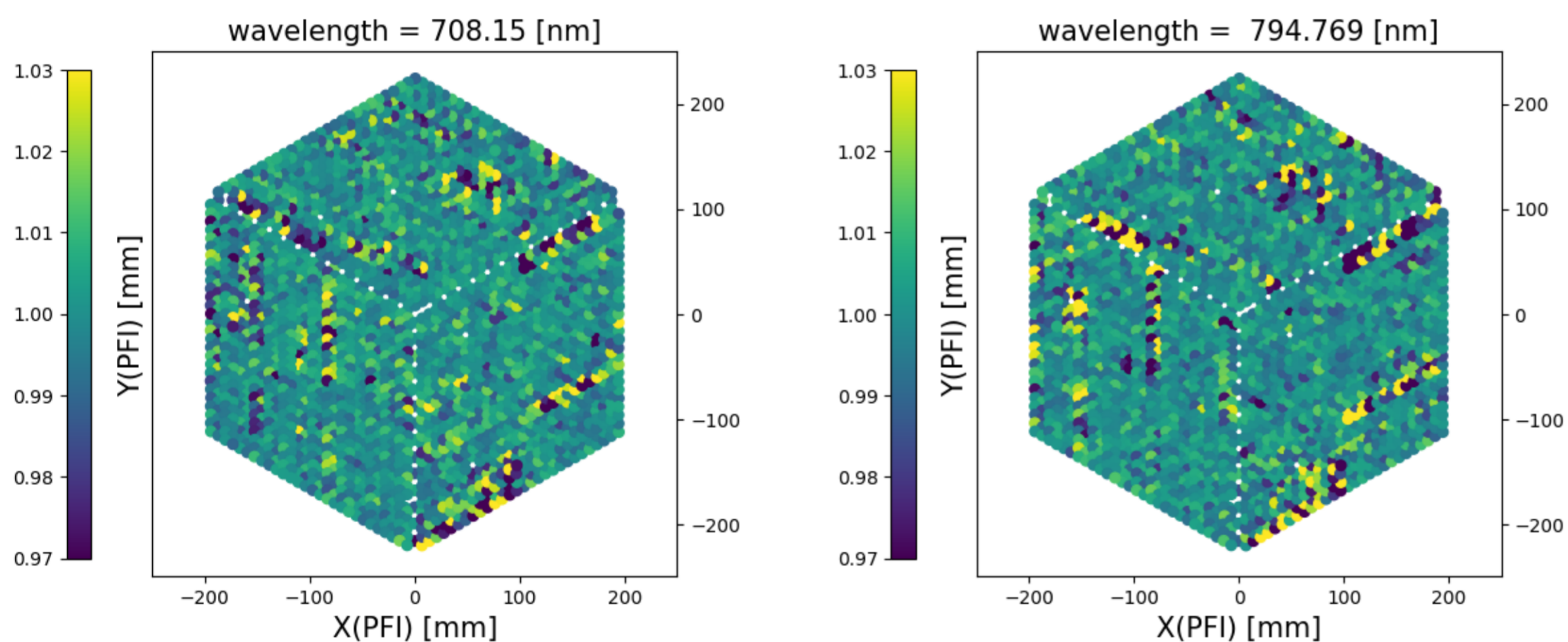
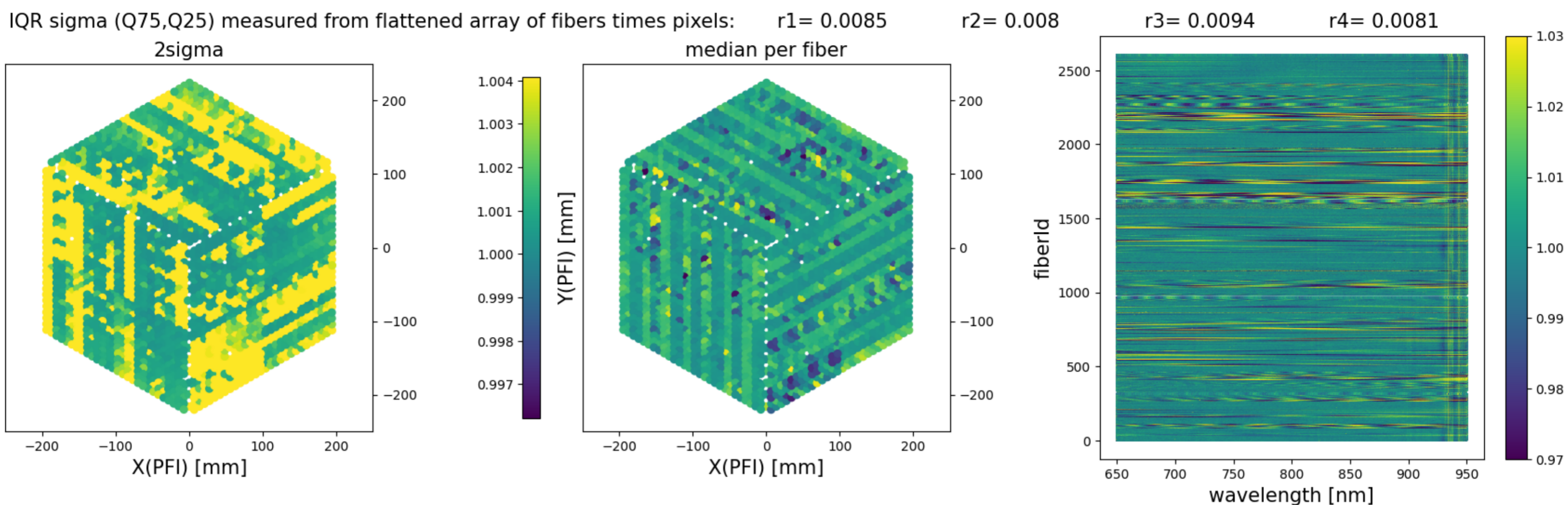
quartz - pfsArm : 115037 (2024-09-02 22:15:51 HST), arm=r, insrot = 115.5, azimuth = 17.7
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set3_115037.png



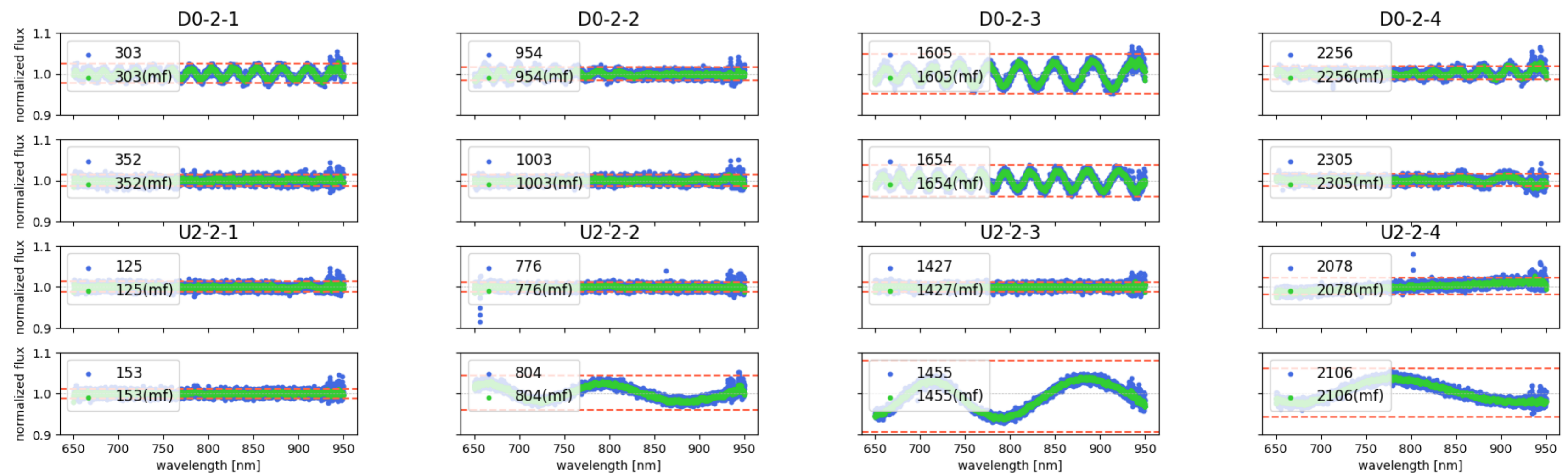
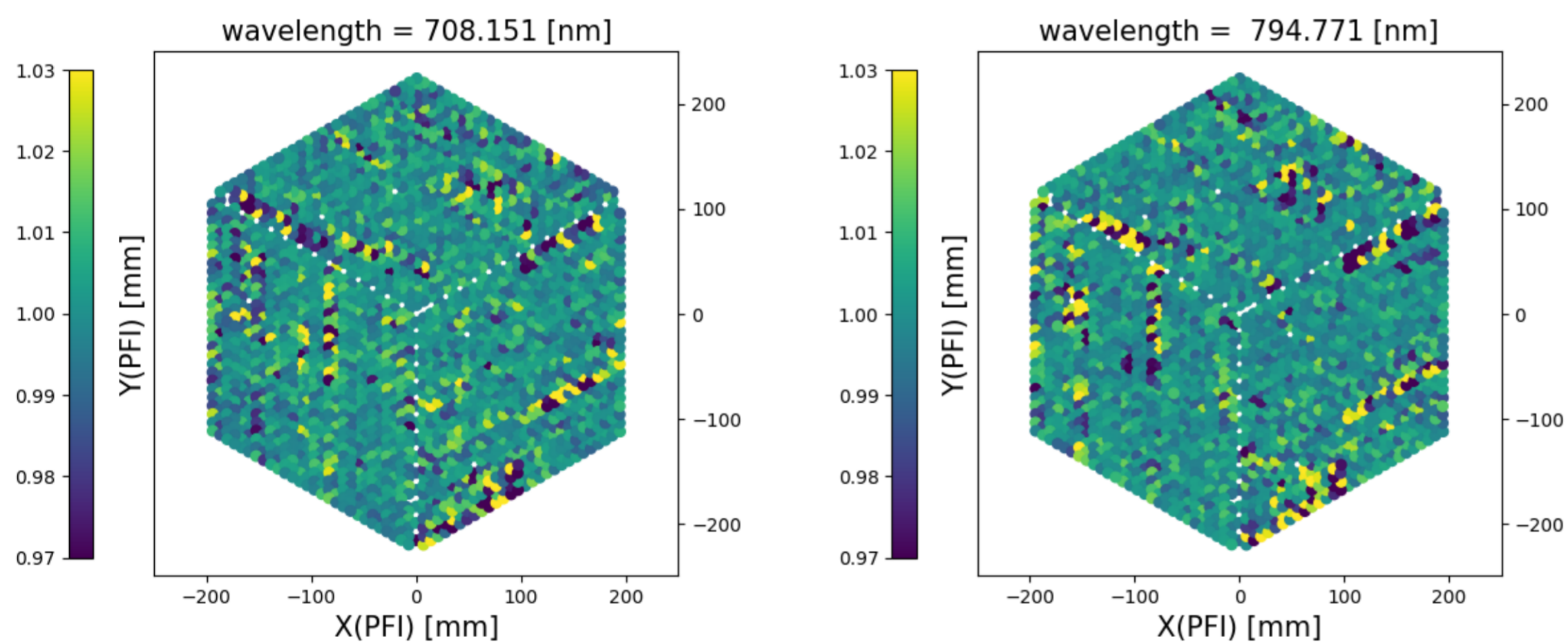
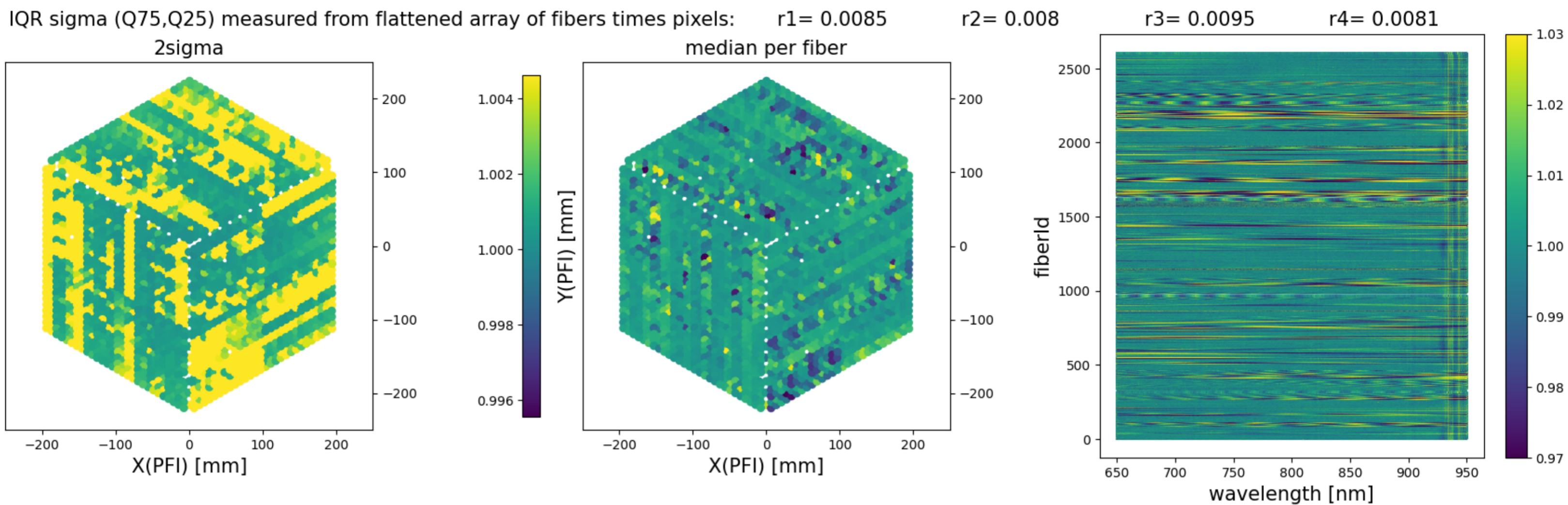
quartz - pfsArm : 115038 (2024-09-02 22:19:29 HST), arm=r, insrot = -0.0, azimuth = 17.7
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set3_115038.png



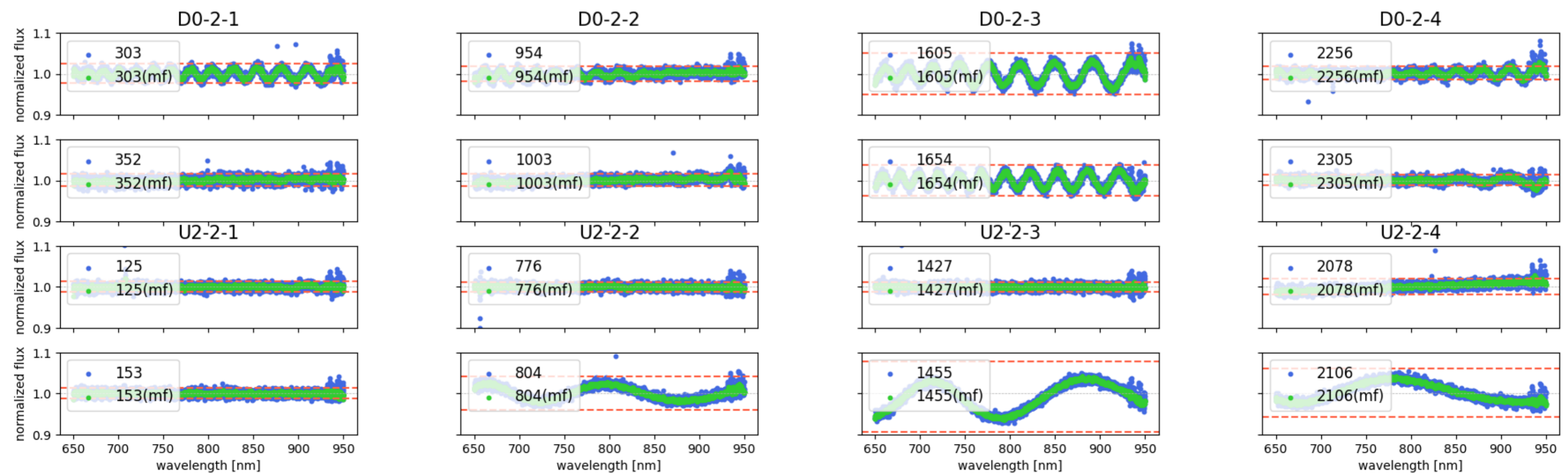
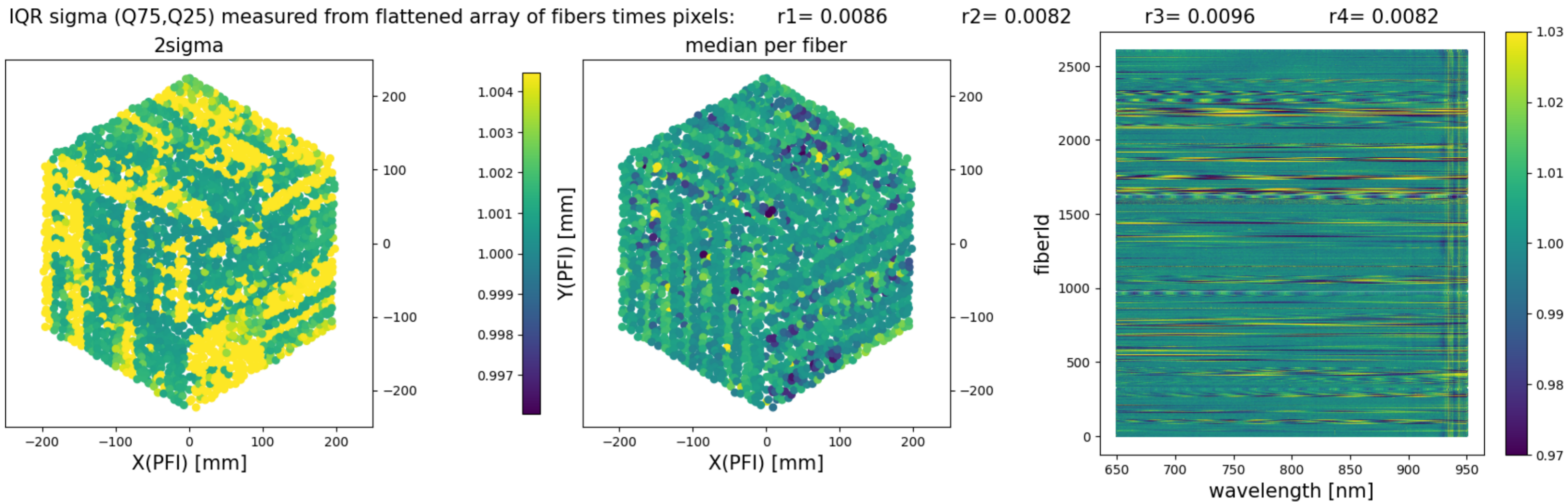
quartz - pfsArm : 115040 (2024-09-02 22:22:24 HST), arm=r, insrot = -0.0, azimuth = 17.7
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set3_115040.png



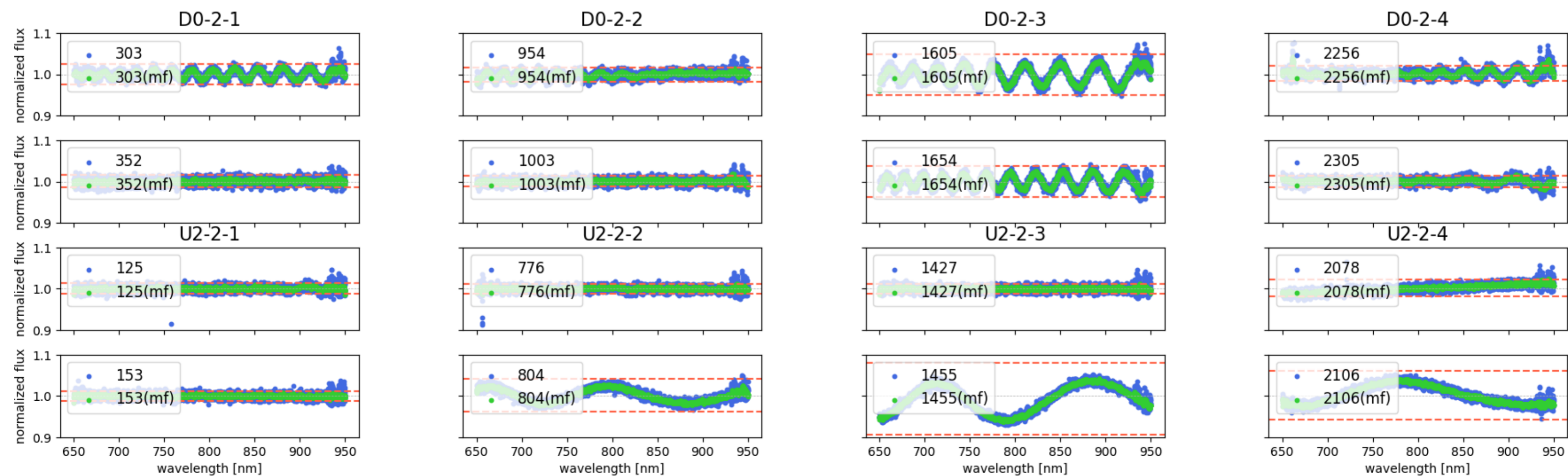
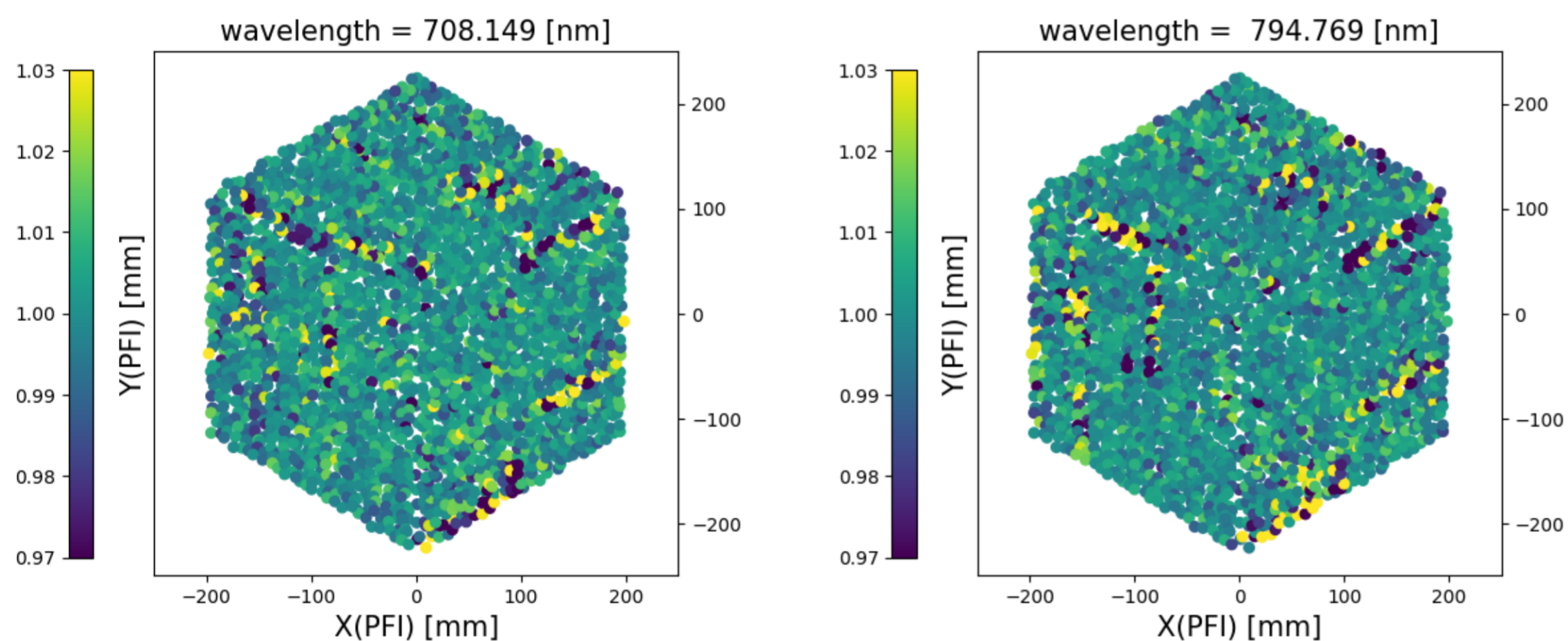
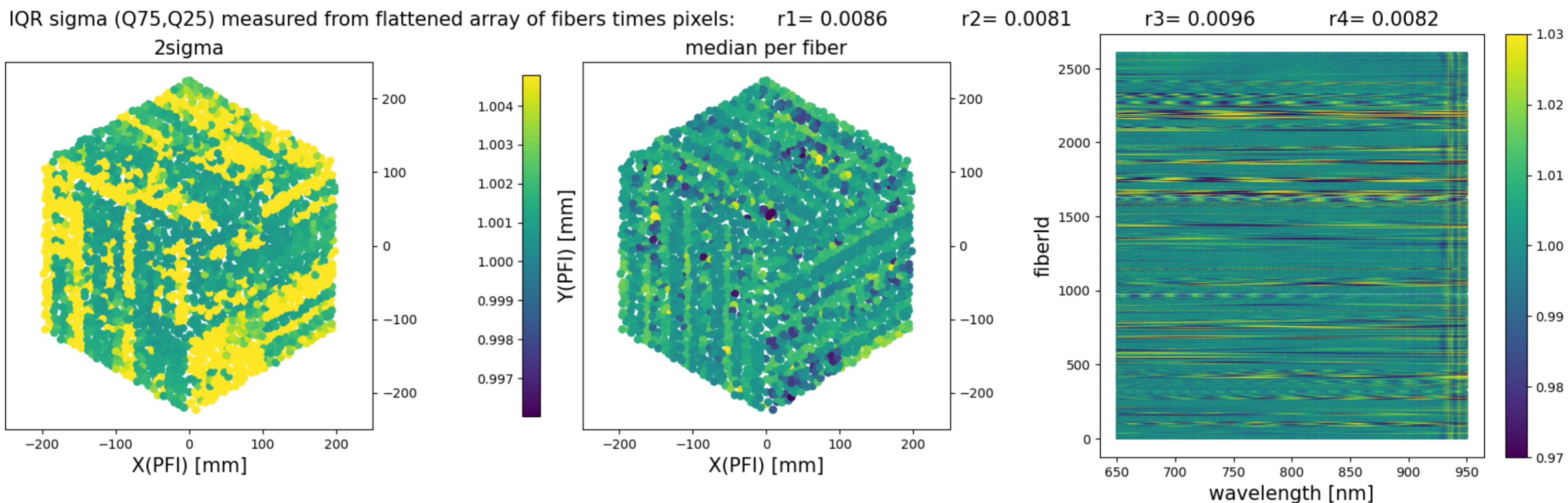
quartz - pfsArm :115047 (2024-09-02 23:31:42 HST), arm=r, insrot = 0.0, azimuth = 180.8
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set4_115047.png



quartz - pfsArm : 115051 (2024-09-03 00:10:43 HST), arm=r, insrot = 27.2, azimuth = 210.0
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set4_115051.png



quartz - pfsArm : 115052 (2024-09-03 00:13:06 HST), arm=r, insrot = -0.0, azimuth = 210.0
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set4_115052.png



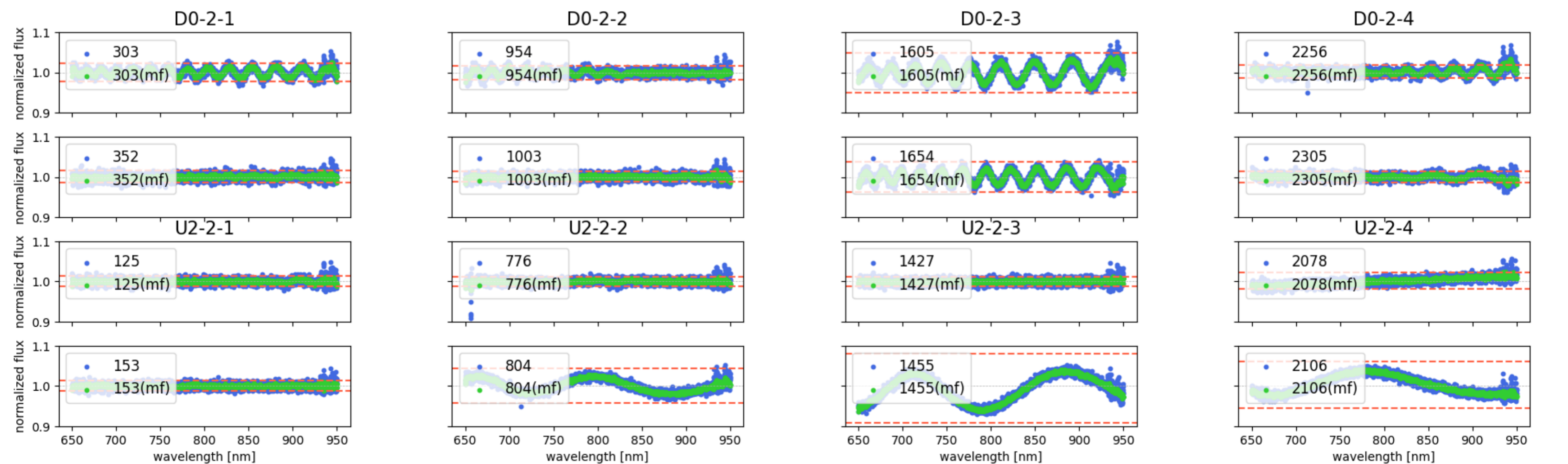
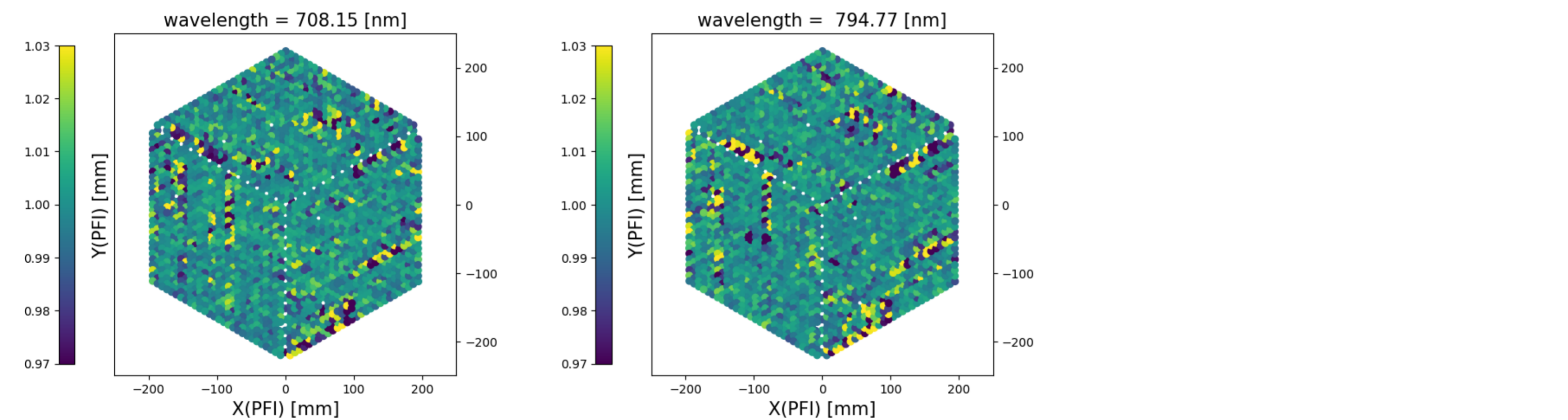
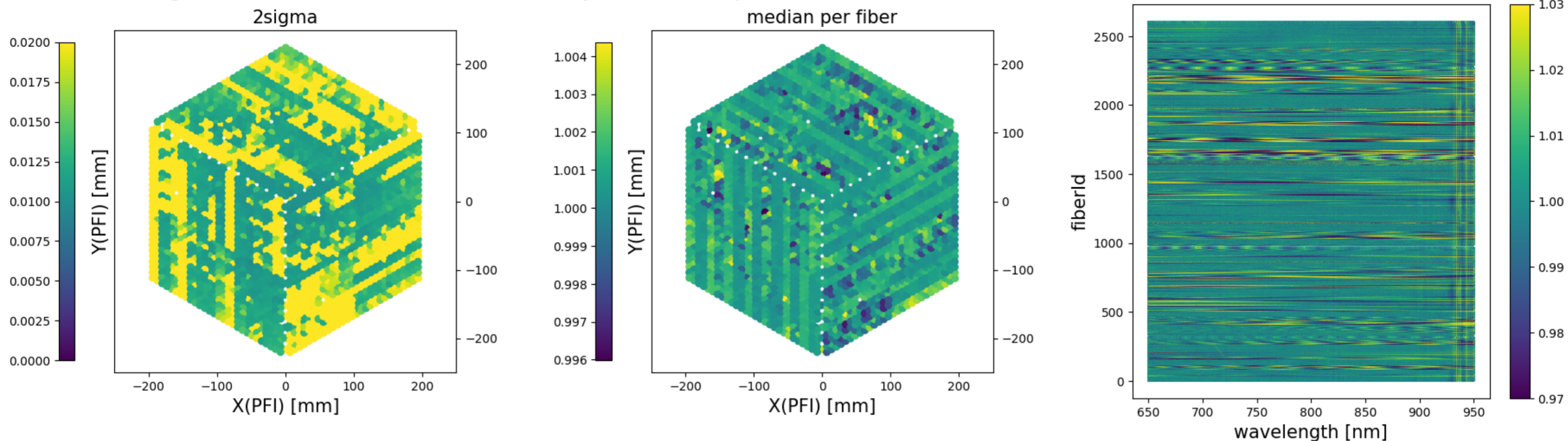
quartz - pfsArm :115054 (2024-09-03 00:16:01 HST), arm=r, insrot = 0.0, azimuth = 210.0
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set4_115054.png

IQR sigma (Q75,Q25) measured from flattened array of fibers times pixels: r1= 0.0085

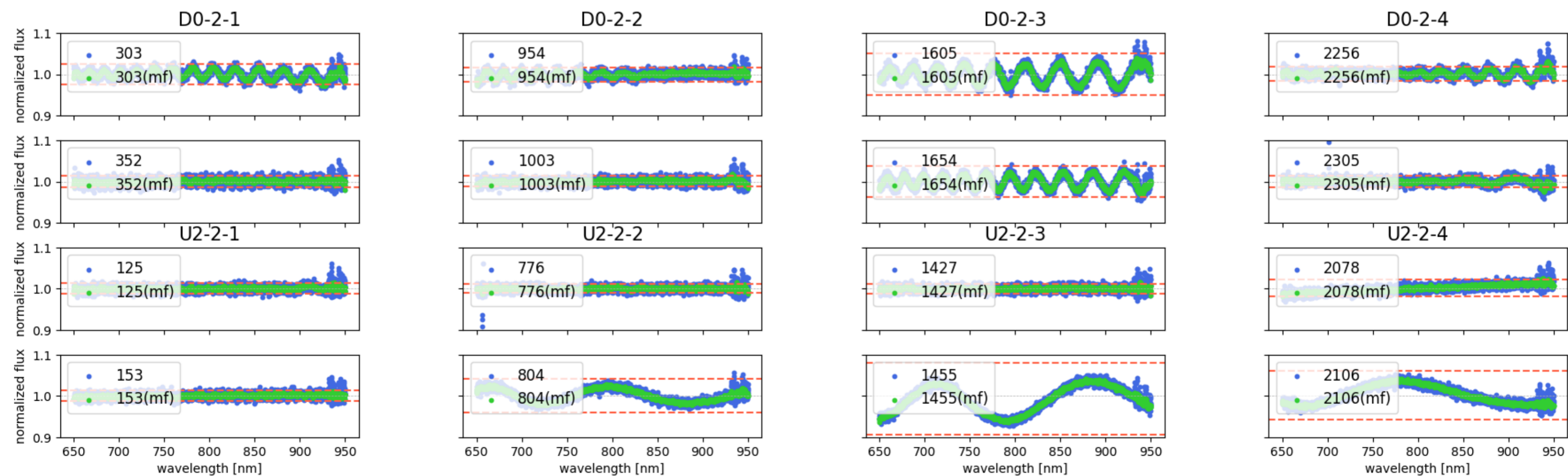
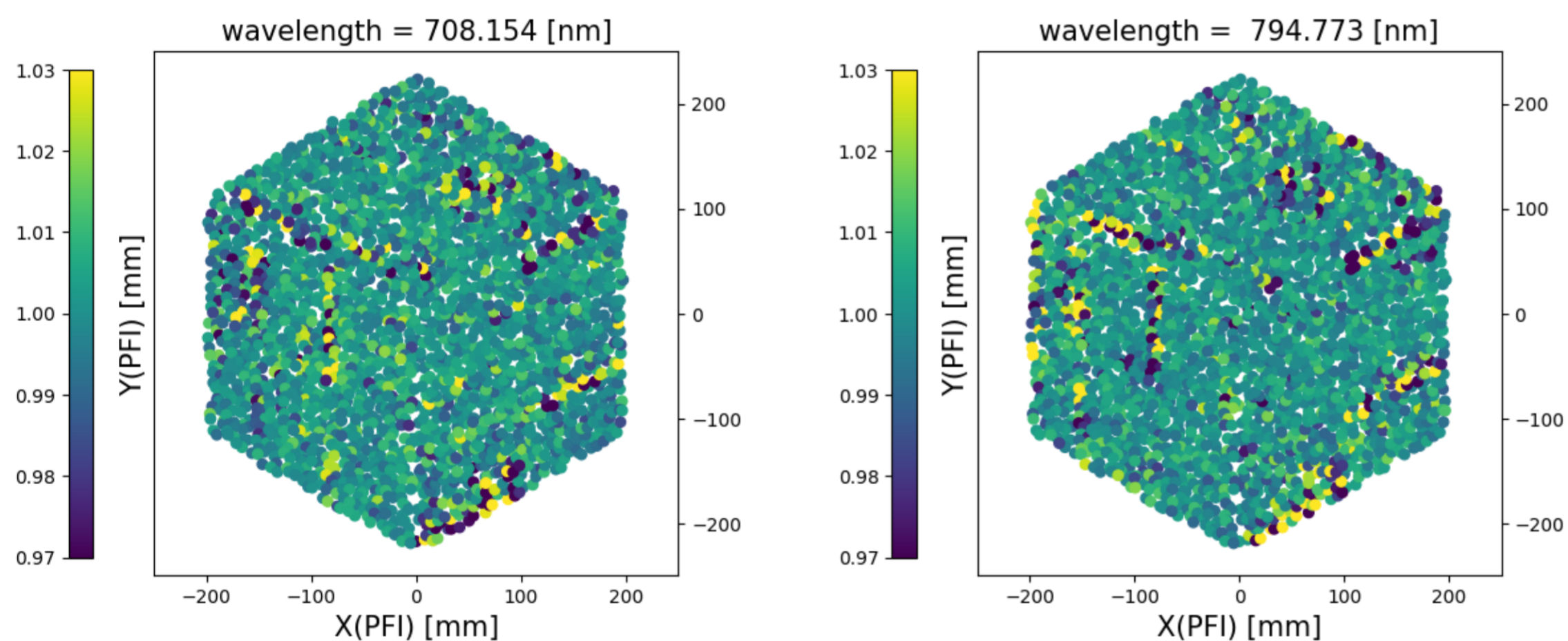
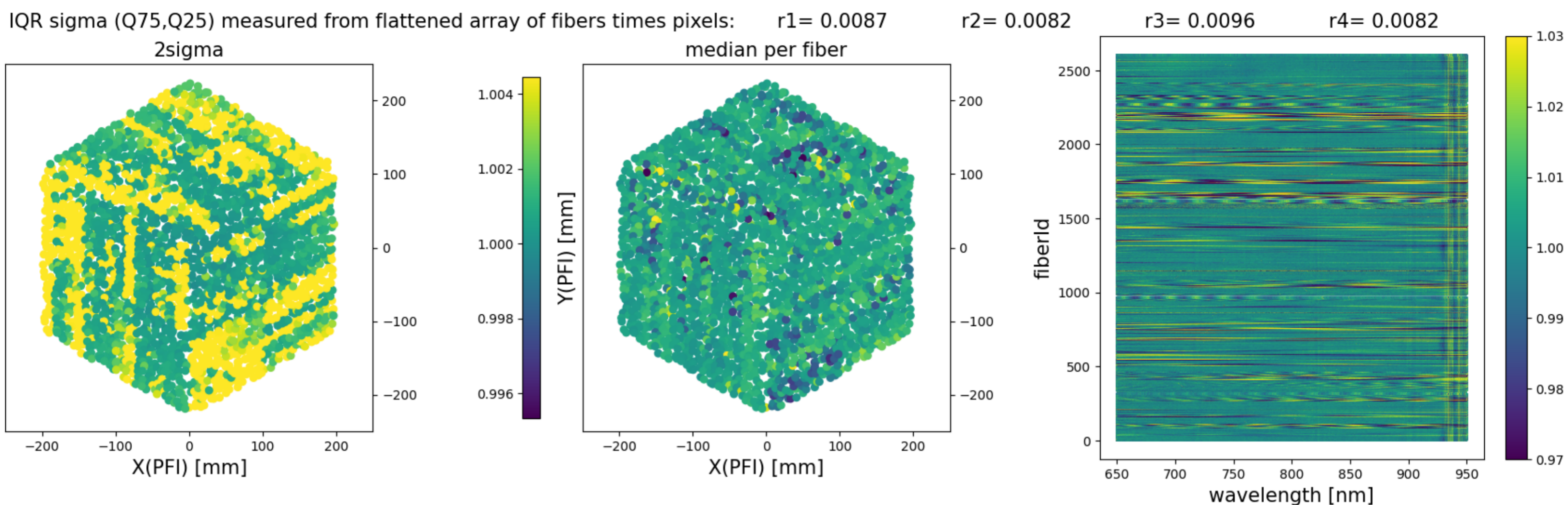
r2= 0.0081

r3= 0.0096

r4= 0.0082



quartz - pfsArm : 115068 (2024-09-03 02:40:38 HST), arm=r, insrot = -38.0, azimuth = 139.6
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set6_115068.png



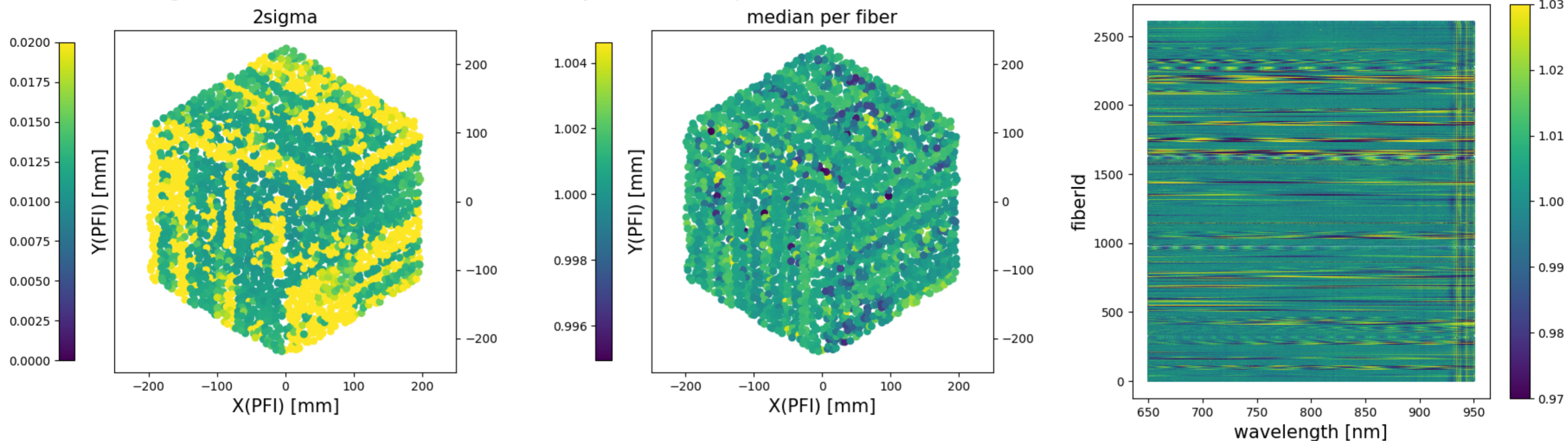
quartz - pfsArm :115069 (2024-09-03 02:43:22 HST), arm=r, insrot = 0.0, azimuth = 139.6
/kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
file at pfsArm/20241209/r-arm/set6_115069.png

IQR sigma (Q75,Q25) measured from flattened array of fibers times pixels: r1= 0.0086

r2= 0.0082

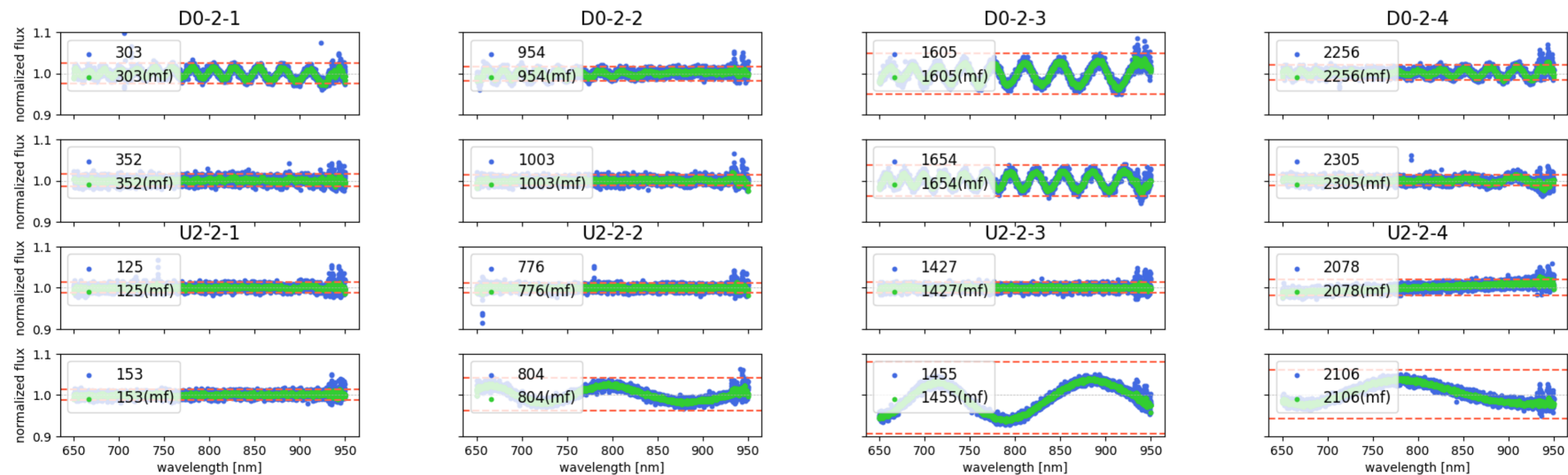
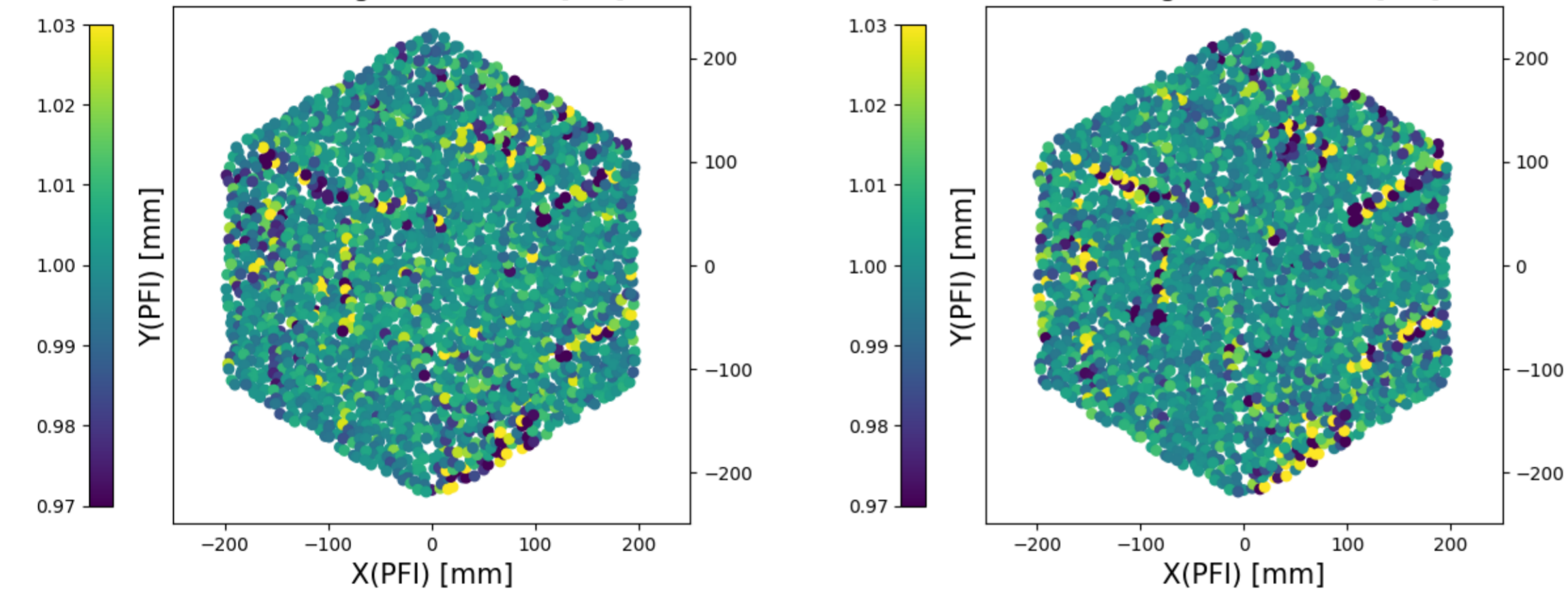
r3= 0.0096

r4= 0.0082



wavelength = 708.154 [nm]

wavelength = 794.773 [nm]



quartz - pfsArm :115071 (2024-09-03 02:46:28 HST), arm=r, insrot = 0.0, azimuth = 139.6
 /kiyoyabe/erun/run18/20240923, /work/drp/CALIB-2024-07-v7
 file at pfsArm/20241209/r-arm/set6_115071.png

IQR sigma (Q75,Q25) measured from flattened array of fibers times pixels: r1= 0.0085

r2= 0.008

r3= 0.0095

r4= 0.0082

