

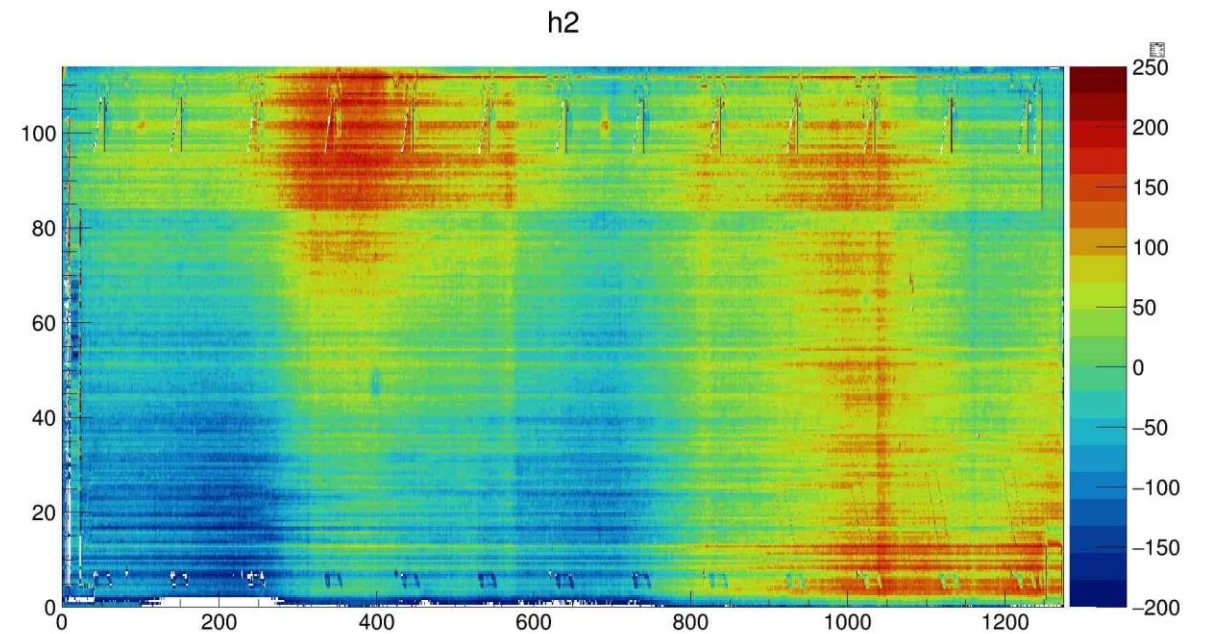
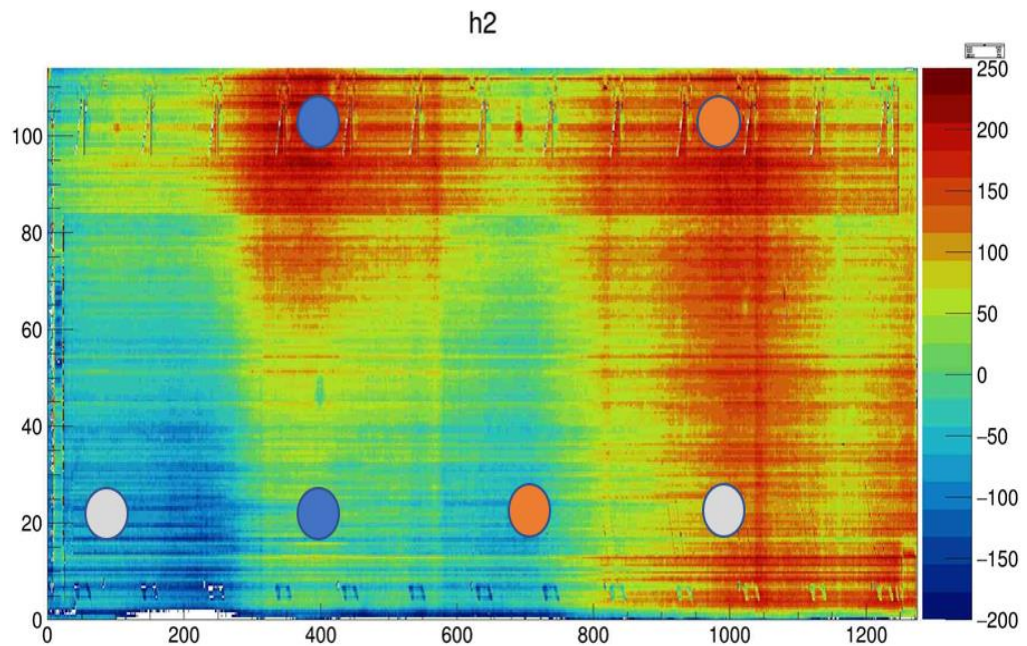
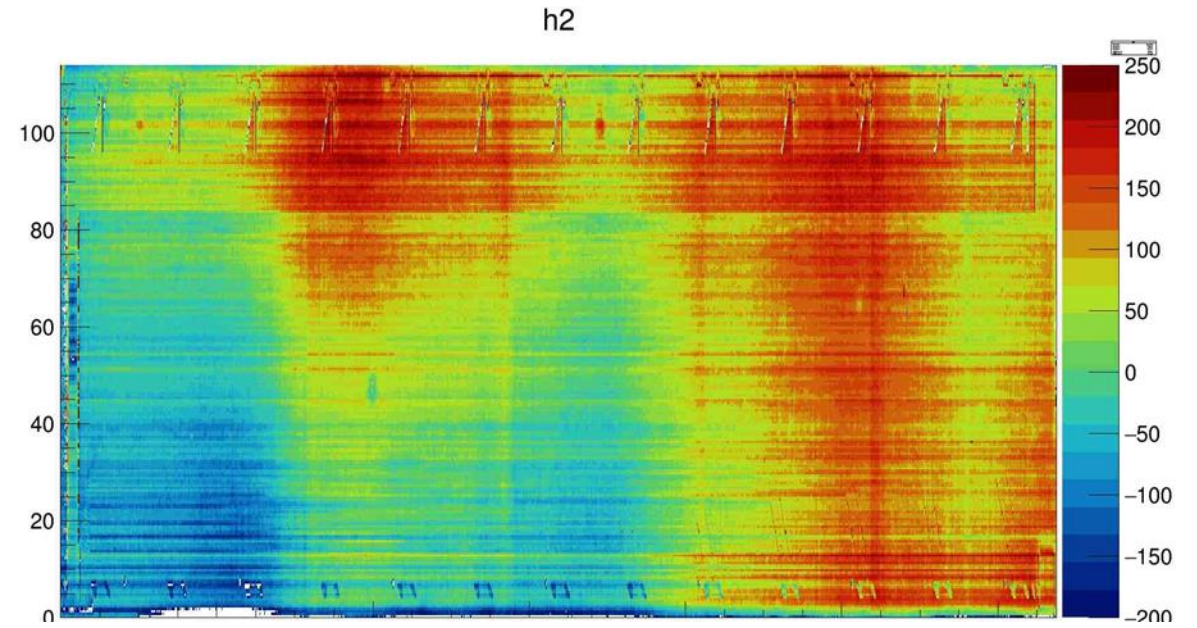
# Stave 6 Local Flatness

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# Rescan of L side with supports switched

Three pairs of supports are changed for the second scan.  
The spots with the same color indicate the switched supports.



## Local flatness code adjustment

- Each small area changes from  $10*10$  to  $5*5$  for increasing precision. So total number of points used for plane fitting changes from 220 to 880. Time for calculating  $\sim 6$  hours each module (98mm).

Two method for finding the “maximum” distance:

1. For a fixed potential plane ( $98*220$ ) formed by 3 out of 880 points, find the maximum distance from the point in  $98*220$  area to plane, then find the minimum value from the distance calculated from other potential planes.
2. For a fixed potential plane, sum the distances from all the points in  $98*220$  area to plane, then find the minimum value from other potential planes, finally output the maximum distance.