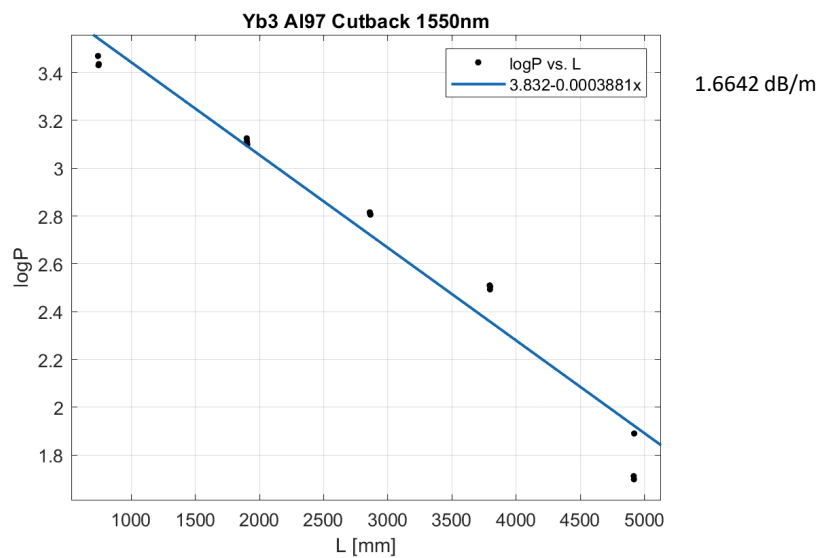


# Cutback 1550nm

Friday, 6 January 2023 11:16

| N  | Cut  | P      |
|----|------|--------|
| 1  | 4    | 6.620m |
| 2  | 2    | 5.466  |
| 3  | 2    | 5.540  |
| 4  | 1118 | 12.24  |
| 5  | 2    | 12.1   |
| 6  | 2    | 12.3   |
| 7  | 930  | 16.54  |
| 8  | 2    | 16.62  |
| 9  | 2    | 16.7   |
| 10 | 955  | 22.2   |
| 11 | 2    | 22.47  |
| 12 | 2    | 22.76  |
| 13 | 1153 | 31.05  |
| 14 | 2    | 30.91  |
| 15 | 2    | 27.34  |
| 16 | 2    | 32.12  |
| 17 | 2    | 29     |

L740



The cutback measurement was done with a 1.55um fiber coupled laser and butt-coupling the light into the test fiber. The starting length of 4924mm was chosen so that there was still some power measurable with the power meter at the other end. The fiber was cut 5 times by approximately 1 meter and cleaved at least 3 times for each length to ensure a good fiber surface. The power was recorded each time and the absorption coefficient was obtained by fitting an exponential function to the data according to the beer lambert law.