**KEY:**  Red = tracking, Green = tracked (ML), Blue = tracked (Andrea).

**TT3: C2 whisker**

Smooth pole, interesting videos:

1. 12/08/16 – Horizontal ('TT3\_20160812\_133508.dat') Vertical ('TT3\_20160812\_133343.dat').
2. 12/08/16 – Horizontal ('TT3\_20160812\_133542.dat’) Vertical ('TT3\_20160812\_133417.dat').
3. 12/08/16 – Horizontal ('TT3\_20160812\_133608.dat') Vertical ('TT3\_20160812\_133443.dat').
4. 12/08/16 – Horizontal ('TT3\_20160812\_133622.dat') Vertical ('TT3\_20160812\_133457.dat').
5. 12/08/16 – Horizontal ('TT3\_20160812\_134201.dat') Vertical ('TT3\_20160812\_134036.dat').
6. 12/08/16 – Horizontal ('TT3\_20160812\_134222.dat') Vertical ('TT3\_20160812\_134058.dat').
7. 12/08/16 – Horizontal ('TT3\_20160812\_134308.dat') Vertical ('TT3\_20160812\_134143.dat').
8. 12/08/16 – Horizontal ('TT3\_20160812\_134543.dat') Vertical ('TT3\_20160812\_134418.dat').
9. 12/08/16 – Horizontal ('TT3\_20160812\_134603.dat') Vertical ('TT3\_20160812\_134438.dat').
10. 12/08/16 – Horizontal ('TT3\_20160812\_134821.dat') Vertical ('TT3\_20160812\_134657.dat').
11. 24/08/16 – Horizontal ('TT3\_20160824\_115924.dat') Vertical ('TT3\_20160824\_115754.dat').
12. 24/08/16 – Horizontal ('TT3\_20160824\_120015.dat') Vertical ('TT3\_20160824\_115845.dat').
13. 24/08/16 – Horizontal ('TT3\_20160824\_120029.dat') Vertical ('TT3\_20160824\_115900.dat').
14. 24/08/16 – Horizontal ('TT3\_20160824\_120039.dat') Vertical ('TT3\_20160824\_115910.dat').

Closed coil, interesting videos:

1. 19/08/16 - Horizontal ('TT3\_20160819\_143117.dat') Vertical ('TT3\_20160819\_142949.dat').
2. 19/08/16 - Horizontal ('TT3\_20160819\_143622.dat') Vertical ('TT3\_20160819\_143454.dat').
3. 19/08/16 - Horizontal ('TT3\_20160819\_143726.dat') Vertical ('TT3\_20160819\_143558.dat').
4. 19/08/16 - Horizontal ('TT3\_20160819\_144012.dat') Vertical ('TT3\_20160819\_143844.dat').
5. 19/08/16 - Horizontal ('TT3\_20160819\_144343.dat') Vertical ('TT3\_20160819\_144215.dat').
6. 19/08/16 - Horizontal ('TT3\_20160819\_144544.dat') Vertical ('TT3\_20160819\_144416.dat').
7. 19/08/16 - Horizontal ('TT3\_20160819\_144600.dat') Vertical ('TT3\_20160819\_144432.dat').
8. 19/08/16 - Horizontal ('TT3\_20160819\_144641.dat') Vertical ('TT3\_20160819\_144513.dat').
9. 23/08/16 - Horizontal ('TT3\_20160823\_145810.dat') Vertical ('TT3\_20160823\_145641.dat').
10. 23/08/16 - Horizontal ('TT3\_20160823\_145822.dat') Vertical ('TT3\_20160823\_145652.dat').
11. 23/08/16 - Horizontal ('TT3\_20160823\_150052.dat') Vertical ('TT3\_20160823\_145923.dat').
12. 23/08/16 - Horizontal ('TT3\_20160823\_150104.dat') Vertical ('TT3\_20160823\_145935.dat').
13. 23/08/16 - Horizontal ('TT3\_20160823\_150114.dat') Vertical ('TT3\_20160823\_145945.dat').
14. 23/08/16 - Horizontal ('TT3\_20160823\_150146.dat') Vertical ('TT3\_20160823\_150017.dat').

Open Coil, interesting videos:

1. 19/08/16 - Horizontal ('TT3\_20160819\_145003.dat') Vertical ('TT3\_20160819\_144836.dat').
2. 19/08/16 - Horizontal ('TT3\_20160819\_145454.dat') Vertical ('TT3\_20160819\_145326.dat').
3. 19/08/16 - Horizontal ('TT3\_20160819\_145529.dat') Vertical ('TT3\_20160819\_145401.dat').
4. 19/08/16 - Horizontal ('TT3\_20160819\_145549.dat') Vertical ('TT3\_20160819\_145421.dat').
5. 19/08/16 - Horizontal ('TT3\_20160819\_145753.dat') Vertical ('TT3\_20160819\_145625.dat').
6. 23/08/16 - Horizontal ('TT3\_20160823\_143728.dat') Vertical ('TT3\_20160823\_143558.dat').
7. 23/08/16 - Horizontal ('TT3\_20160823\_143815.dat') Vertical ('TT3\_20160823\_143645.dat').
8. 23/08/16 - Horizontal ('TT3\_20160823\_143825.dat') Vertical ('TT3\_20160823\_143655.dat').
9. 23/08/16 - Horizontal ('TT3\_20160823\_143856.dat') Vertical ('TT3\_20160823\_143727.dat').
10. 23/08/16 - Horizontal ('TT3\_20160823\_144149.dat') Vertical ('TT3\_20160823\_144019.dat').
11. 23/08/16 - Horizontal ('TT3\_20160823\_144352.dat') Vertical ('TT3\_20160823\_144223.dat').
12. 23/08/16 - Horizontal ('TT3\_20160823\_144850.dat') Vertical ('TT3\_20160823\_144721.dat').
13. 23/08/16 - Horizontal ('TT3\_20160823\_145041.dat') Vertical ('TT3\_20160823\_144911.dat').
14. 23/08/16 - Horizontal ('TT3\_20160823\_145145.dat') Vertical ('TT3\_20160823\_145016.dat').

Carbon Pole, interesting videos:

1. 19/08/16 - Horizontal ('TT3\_20160819\_145936.dat') Vertical ('TT3\_20160819\_145809.dat').
2. 19/08/16 - Horizontal ('TT3\_20160819\_150034.dat') Vertical ('TT3\_20160819\_145906.dat').
3. 19/08/16 - Horizontal ('TT3\_20160819\_150055.dat') Vertical ('TT3\_20160819\_145927.dat').
4. 19/08/16 - Horizontal ('TT3\_20160819\_150251.dat') Vertical ('TT3\_20160819\_150123.dat').
5. 24/08/16 - Horizontal ('TT3\_20160824\_115337.dat') Vertical ('TT3\_20160824\_115207.dat').
6. 24/08/16 - Horizontal ('TT3\_20160824\_115539.dat') Vertical ('TT3\_20160824\_115409.dat').
7. 24/08/16 - Horizontal ('TT3\_20160824\_115613.dat') Vertical ('TT3\_20160824\_115444.dat').
8. 24/08/16 - Horizontal ('TT3\_20160824\_115613.dat') Vertical ('TT3\_20160824\_115444.dat').

Black sandpaper, interesting videos:

1. 24/08/16 - Horizontal ('TT3\_20160824\_121539.dat') Vertical ('TT3\_20160824\_121409.dat').
2. 24/08/16 - Horizontal ('TT3\_20160824\_121737.dat') Vertical ('TT3\_20160824\_121607.dat').
3. 24/08/16 - Horizontal ('TT3\_20160824\_121747.dat') Vertical ('TT3\_20160824\_121617.dat').
4. 24/08/16 - Horizontal ('TT3\_20160824\_121853.dat') Vertical ('TT3\_20160824\_121723.dat').
5. 24/08/16 - Horizontal ('TT3\_20160824\_121925.dat') Vertical ('TT3\_20160824\_121756.dat').
6. 24/08/16 - Horizontal ('TT3\_20160824\_122155.dat) Vertical ('TT3\_20160824\_122025.dat').
7. 24/08/16 - Horizontal ('TT3\_20160824\_122518.dat') Vertical ('TT3\_20160824\_122348.dat').

Whisking in air:

1. 08/09/16 – Horizontal ('TT3\_20160908\_123350.dat') Vertical ('TT3\_20160908\_123214.dat')
2. 08/09/16 – Horizontal ('TT3\_20160908\_123441.dat') Vertical ('TT3\_20160908\_123305.dat')
3. 08/09/16 – Horizontal ('TT3\_20160908\_123623.dat') Vertical ('TT3\_20160908\_123447.dat')
4. 08/09/16 – Horizontal ('TT3\_20160908\_123712.dat') Vertical ('TT3\_20160908\_123535.dat')
5. 08/09/16 – Horizontal ('TT3\_20160908\_123809.dat') Vertical ('TT3\_20160908\_123632.dat')
6. 08/09/16 – Horizontal ('TT3\_20160908\_123855.dat') Vertical ('TT3\_20160908\_123718.dat')
7. 08/09/16 – Horizontal ('TT3\_20160908\_124104.dat') Vertical ('TT3\_20160908\_123927.dat')
8. 08/09/16 – Horizontal ('TT3\_20160908\_124410.dat') Vertical ('TT3\_20160908\_124234.dat')
9. 08/09/16 – Horizontal ('TT3\_20160908\_124821.dat') Vertical ('TT3\_20160908\_124645.dat')
10. 08/09/16 – Horizontal ('TT3\_20160908\_124834.dat') Vertical ('TT3\_20160908\_124658.dat')
11. 08/09/16 – Horizontal ('TT3\_20160908\_124944.dat') Vertical ('TT3\_20160908\_124808.dat')
12. 08/09/16 – Horizontal ('TT3\_20160908\_125018.dat') Vertical ('TT3\_20160908\_124842.dat')
13. 08/09/16 – Horizontal ('TT3\_20160908\_125042.dat') Vertical ('TT3\_20160908\_124906.dat')

Wood, interesting videos:

1. 25/08/16 - Horizontal ('TT3\_20160825\_113941.dat') Vertical ('TT3\_20160825\_113811.dat').

Bamboo:

1. 08/09/16- Horizontal ('TT3\_20160908\_123249.dat') Vertical ('TT3\_20160908\_123112.dat')
2. 08/09/16- Horizontal ('TT3\_20160908\_123329.dat') Vertical ('TT3\_20160908\_123152.dat')
3. 08/09/16- Horizontal ('TT3\_20160908\_123402.dat') Vertical ('TT3\_20160908\_123226.dat')
4. 08/09/16- Horizontal ('TT3\_20160908\_123429.dat') Vertical ('TT3\_20160908\_123252.dat')
5. 08/09/16- Horizontal ('TT3\_20160908\_123535.dat') Vertical ('TT3\_20160908\_123359.dat')
6. 08/09/16- Horizontal ('TT3\_20160908\_123735.dat') Vertical ('TT3\_20160908\_123558.dat')
7. 08/09/16- Horizontal ('TT3\_20160908\_123819.dat') Vertical ('TT3\_20160908\_123643.dat')
8. 08/09/16- Horizontal ('TT3\_20160908\_124008.dat') Vertical ('TT3\_20160908\_123832.dat')
9. 08/09/16- Horizontal ('TT3\_20160908\_124030.dat') Vertical ('TT3\_20160908\_123854.dat')
10. 08/09/16- Horizontal ('TT3\_20160908\_124042.dat') Vertical ('TT3\_20160908\_123906.dat')
11. 08/09/16- Horizontal ('TT3\_20160908\_124053.dat') Vertical ('TT3\_20160908\_123917.dat')
12. 08/09/16- Horizontal ('TT3\_20160908\_124139.dat') Vertical ('TT3\_20160908\_124003.dat')

Toothpick:

1. 08/09/16- Horizontal ('TT3\_20160908\_124359.dat') Vertical ('TT3\_20160908\_124223.dat')
2. 08/09/16- Horizontal ('TT3\_20160908\_124444.dat') Vertical ('TT3\_20160908\_124308.dat')
3. 08/09/16- Horizontal ('TT3\_20160908\_124630.dat') Vertical ('TT3\_20160908\_124453.dat')
4. 08/09/16- Horizontal ('TT3\_20160908\_124652.dat') Vertical ('TT3\_20160908\_124516.dat')
5. 08/09/16- Horizontal ('TT3\_20160908\_124715.dat') Vertical ('TT3\_20160908\_124539.dat')
6. 08/09/16- Horizontal ('TT3\_20160908\_124932.dat') Vertical ('TT3\_20160908\_124756.dat')
7. 08/09/16- Horizontal ('TT3\_20160908\_125057.dat') Vertical ('TT3\_20160908\_124921.dat')
8. 08/09/16- Horizontal ('TT3\_20160908\_125203.dat') Vertical ('TT3\_20160908\_125027.dat')
9. 08/09/16- Horizontal ('TT3\_20160908\_125236.dat') Vertical ('TT3\_20160908\_125100.dat')
10. 08/09/16- Horizontal ('TT3\_20160908\_125247.dat') Vertical ('TT3\_20160908\_125111.dat')

**TT1: D- row**

Aim is to track 3 whiskers (D1,2,3)

Orange indicates these videos as being listed as tracked on Video\_LED\_data spreadsheet. 1) Check this is true and 2) check quality of tracking.

Whisking in air:

1. 07/09/16 - Horizontal ('TT1\_20160907\_134639.dat') Vertical ('TT1\_20160907\_134503.dat').
2. 07/09/16 - Horizontal ('TT1\_20160907\_135020.dat') Vertical ('TT1\_20160907\_134844.dat').
3. 07/09/16 - Horizontal ('TT1\_20160907\_135400.dat') Vertical ('TT1\_20160907\_135224.dat').
4. 07/09/16 - Horizontal ('TT1\_20160907\_135513.dat') Vertical ('TT1\_20160907\_135337.dat').
5. 07/09/16 - Horizontal ('TT1\_20160907\_135528.dat') Vertical ('TT1\_20160907\_135352.dat').
6. 07/09/16 - Horizontal ('TT1\_20160907\_135626.dat') Vertical ('TT1\_20160907\_135450.dat').
7. 07/09/16 - Horizontal ('TT1\_20160907\_135859.dat') Vertical ('TT1\_20160907\_135724.dat').
8. 07/09/16 - Horizontal ('TT1\_20160907\_135929.dat') Vertical ('TT1\_20160907\_135753.dat').
9. 07/09/16 - Horizontal ('TT1\_20160907\_140143.dat') Vertical ('TT1\_20160907\_140007.dat').
10. 07/09/16 - Horizontal ('TT1\_20160907\_140416.dat') Vertical ('TT1\_20160907\_140240.dat').
11. 07/09/16 - Horizontal ('TT1\_20160907\_140527.dat') Vertical ('TT1\_20160907\_140351.dat').
12. 07/09/16 - Horizontal ('TT1\_20160907\_140815.dat') Vertical ('TT1\_20160907\_140639.dat').
13. 07/09/16 - Horizontal ('TT1\_20160907\_140949.dat') Vertical ('TT1\_20160907\_140813.dat').

Open coil, interesting videos:

1. 07/09/16 - Horizontal ('TT1\_20160907\_134359.dat') Vertical ('TT1\_20160907\_134223.dat').
2. 07/09/16 - Horizontal ('TT1\_20160907\_134511.dat') Vertical ('TT1\_20160907\_134335.dat').
3. 07/09/16 - Horizontal ('TT1\_20160907\_134624.dat') Vertical ('TT1\_20160907\_134448.dat').
4. 07/09/16 - Horizontal ('TT1\_20160907\_134807.dat') Vertical ('TT1\_20160907\_134631.dat').
5. 07/09/16 - Horizontal ('TT1\_20160907\_134937.dat') Vertical ('TT1\_20160907\_134802.dat').
6. 07/09/16 - Horizontal ('TT1\_20160907\_135035.dat') Vertical ('TT1\_20160907\_134859.dat').
7. 07/09/16 - Horizontal ('TT1\_20160907\_135445.dat') Vertical ('TT1\_20160907\_135310.dat').
8. 07/09/16 - Horizontal ('TT1\_20160907\_135845.dat') Vertical ('TT1\_20160907\_135710.dat').
9. 07/09/16 - Horizontal ('TT1\_20160907\_140043.dat') Vertical ('TT1\_20160907\_135907.dat').
10. 07/09/16 - Horizontal ('TT1\_20160907\_140124.dat') Vertical ('TT1\_20160907\_135948.dat').
11. 07/09/16 - Horizontal ('TT1\_20160907\_140156.dat') Vertical ('TT1\_20160907\_140020.dat').
12. 07/09/16 - Horizontal ('TT1\_20160907\_140607.dat') Vertical ('TT1\_20160907\_140432.dat').
13. 07/09/16 - Horizontal ('TT1\_20160907\_140647.dat') Vertical ('TT1\_20160907\_140511.dat').
14. 07/09/16 - Horizontal ('TT1\_20160907\_140748.dat') Vertical ('TT1\_20160907\_140612.dat').
15. 07/09/16 - Horizontal ('TT1\_20160907\_140857.dat') Vertical ('TT1\_20160907\_140721.dat').
16. 07/09/16 - Horizontal ('TT1\_20160907\_140910.dat') Vertical ('TT1\_20160907\_140734.dat').

ML: find more interesting texture videos from TT1?

**TT5: C-row**

Aim is to track 3 whiskers (C1,2,3)

Videos?

Poster child videos: