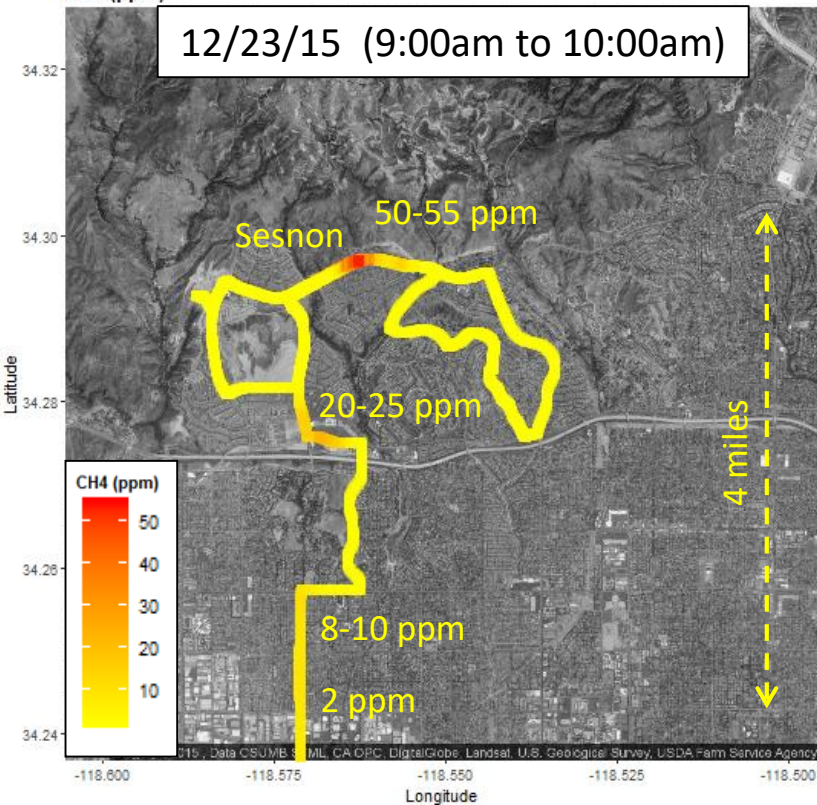


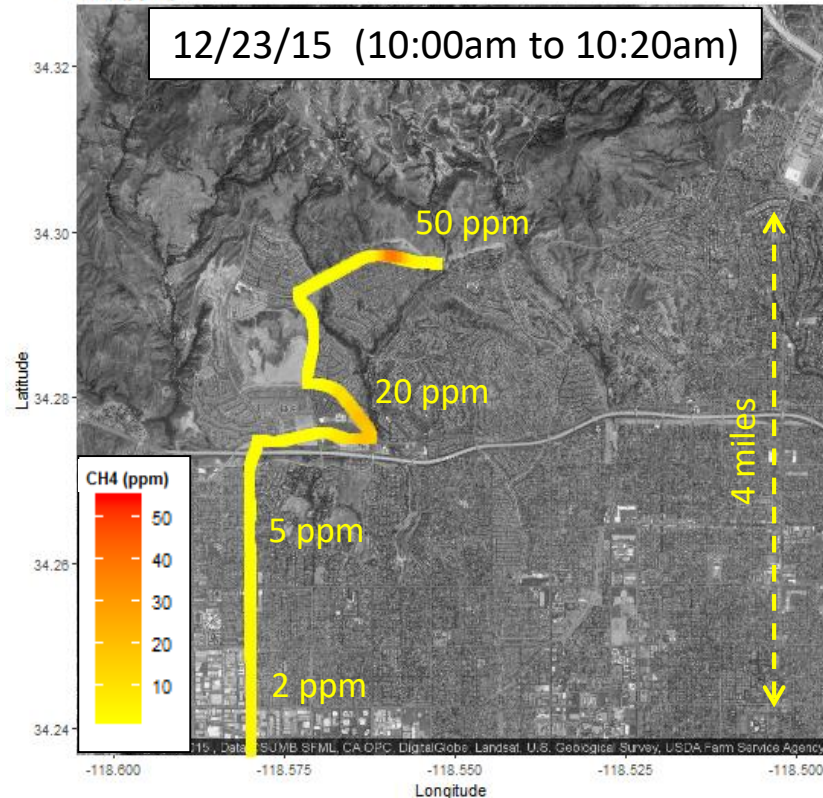
CH4 (ppm)

12/23/15 (9:00am to 10:00am)

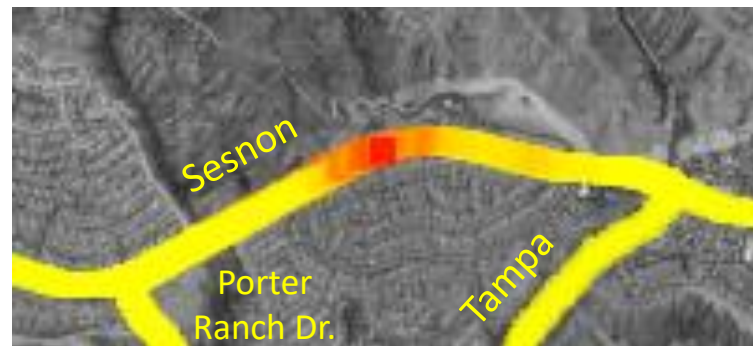


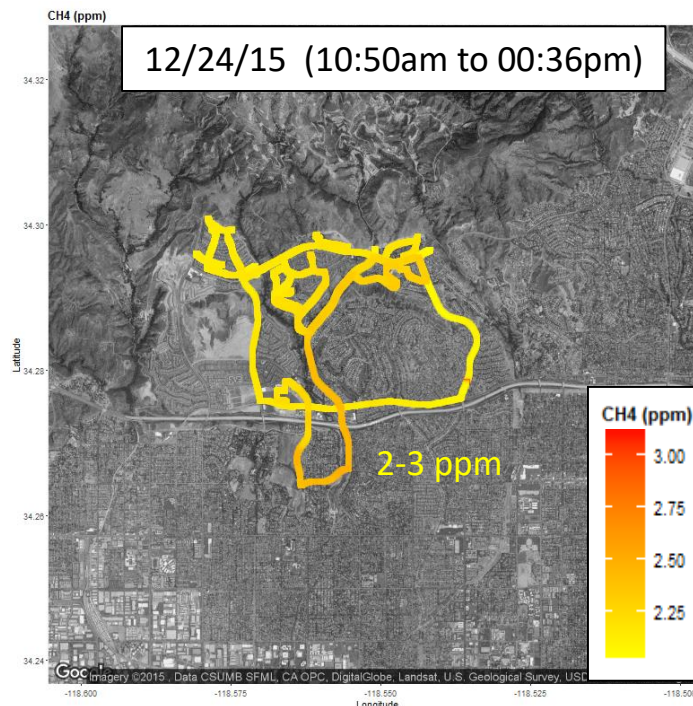
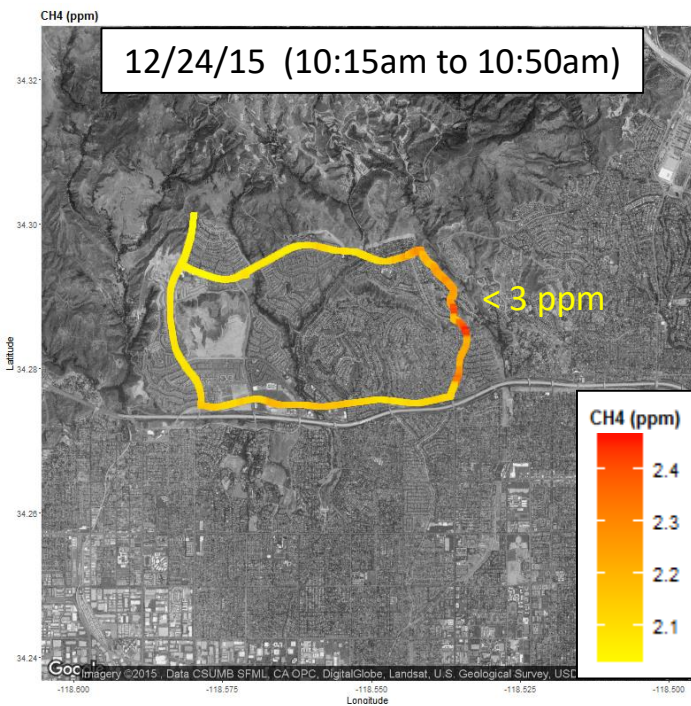
CH4 (ppm)

12/23/15 (10:00am to 10:20am)

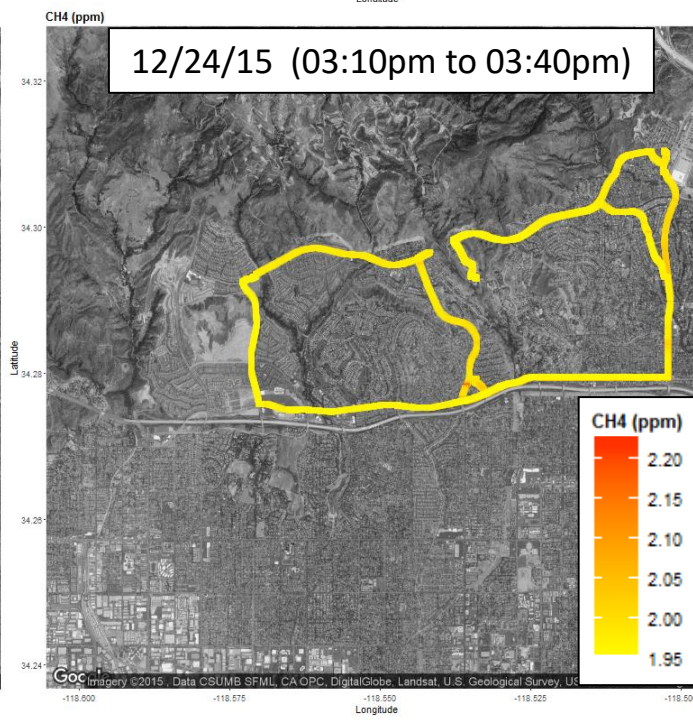
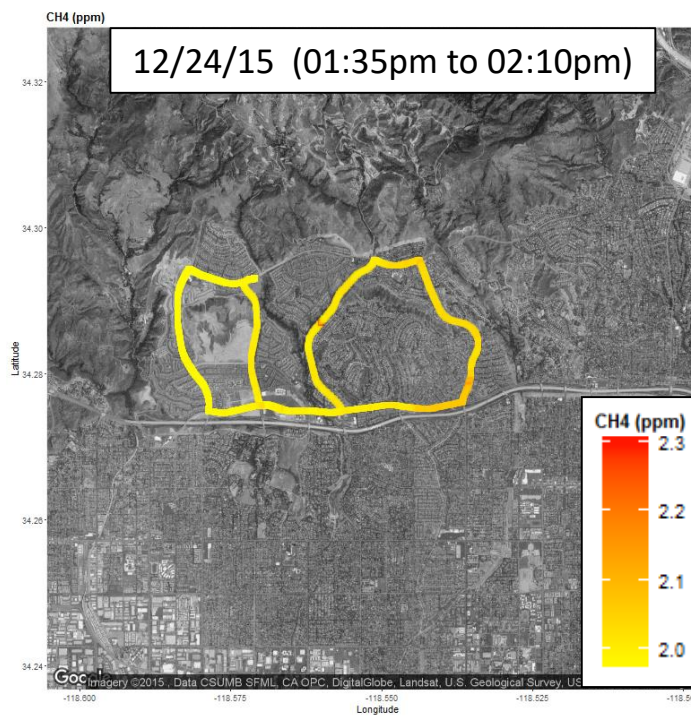


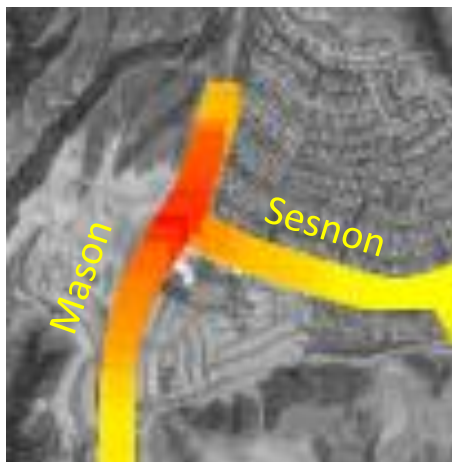
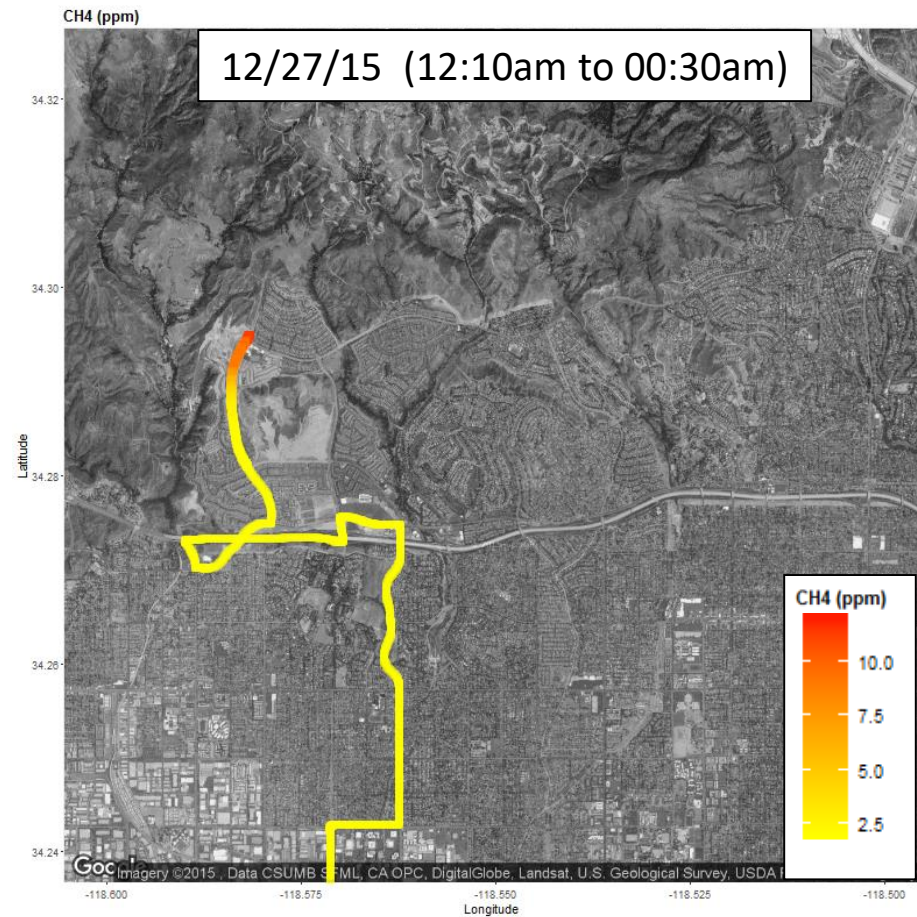
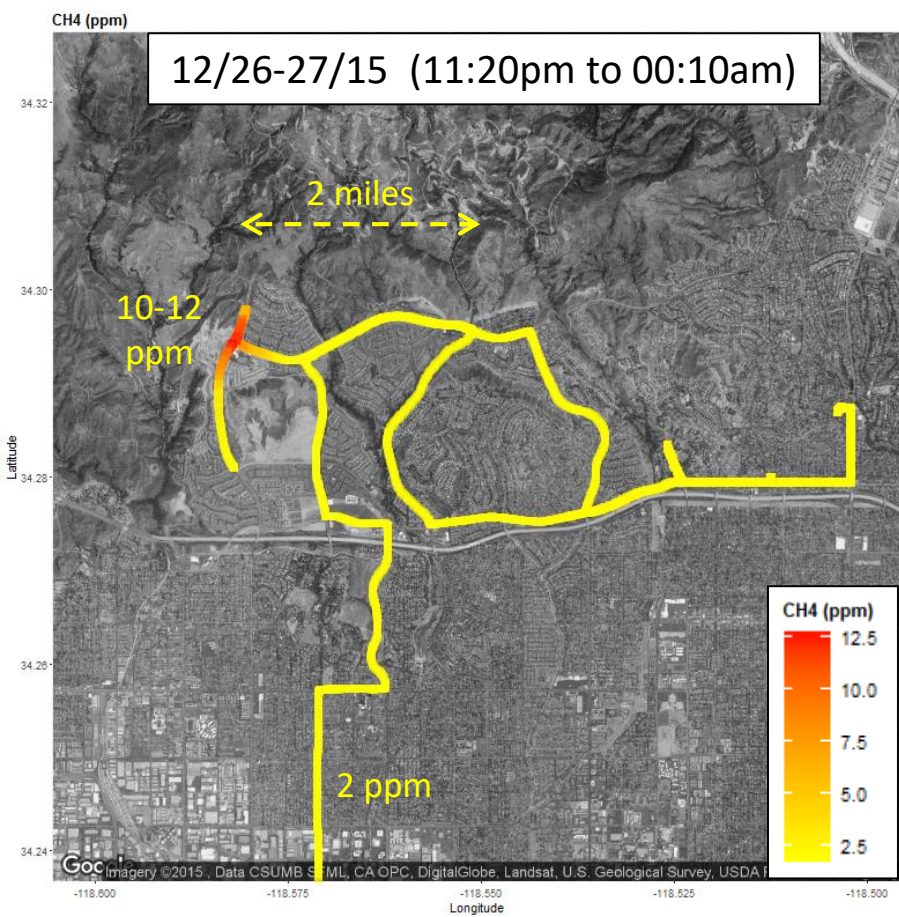
- Northerly winds
- The highest methane concentrations (up to 55 ppm) were measured on Sesnon Blvd, between Porter Ranch Dr. and Tampa Ave. and not too far from (and downwind of) the SoCalGas facility
- A distinctive smell of mercaptan was detected on Sesnon Blvd
- The methane concentration decreased gradually driving from Porter Ranch towards the 118 freeway and reached 2 ppm (background) ~4 miles south of Sesnon Blvd



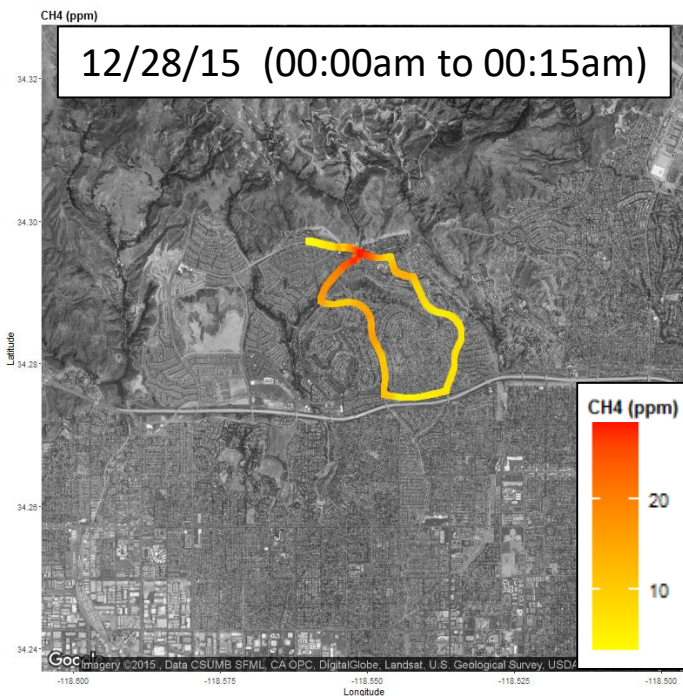
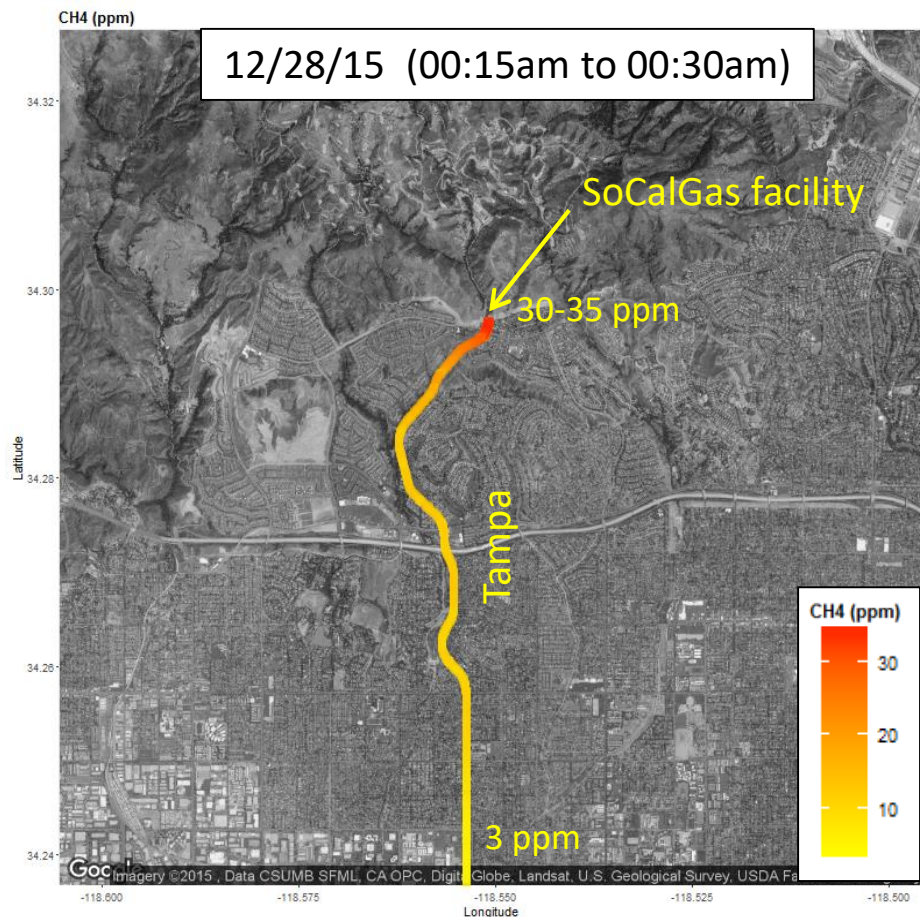
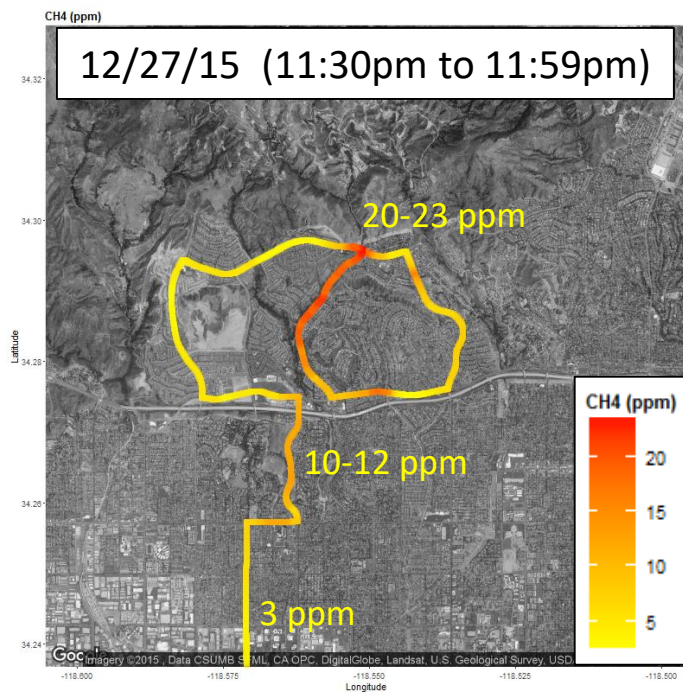


- The highest methane concentrations were slightly above background





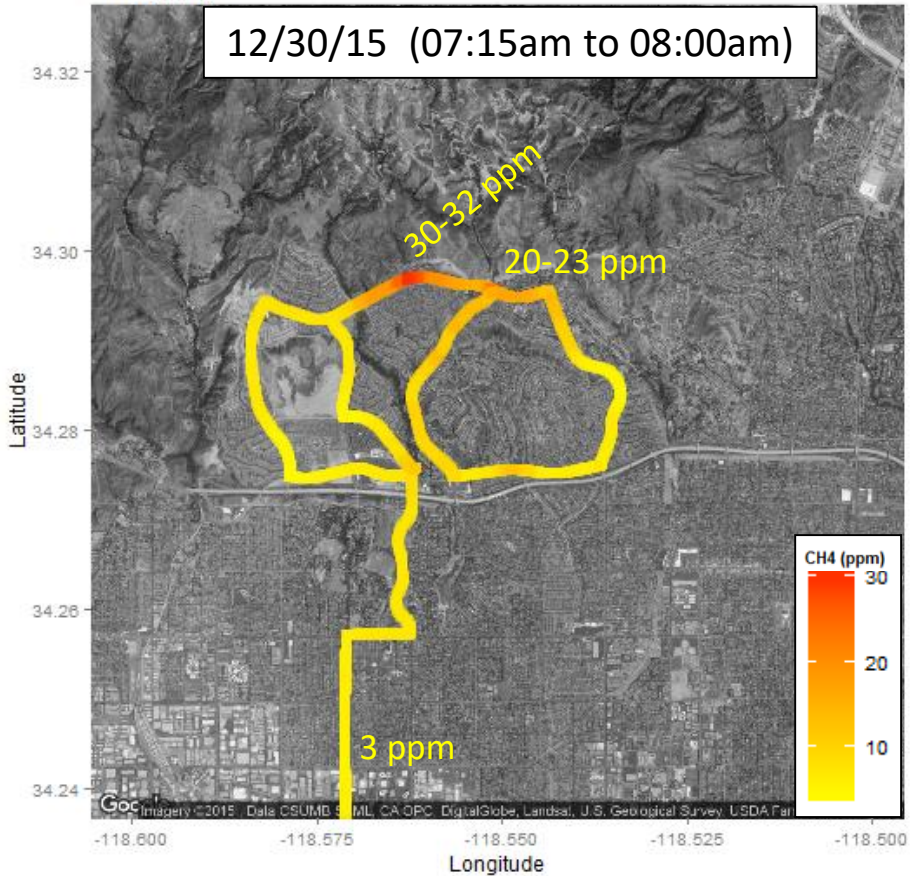
- Easterly winds
- The highest methane concentrations (10-12 ppm) were measured at the intersection between Sesnon Blvd and Mason, about 2 miles West of the source
- No smell of mercaptan was detected



- Calm wind conditions
- Elevated baseline levels (> 3ppm)
- The highest methane concentrations (30-35 ppm) were measured at the entrance of the SoCalGas facility (between Sesnon and Tampa) and decreased gradually moving south on Tampa
- No smell of mercaptan was detected

CH4 (ppm)

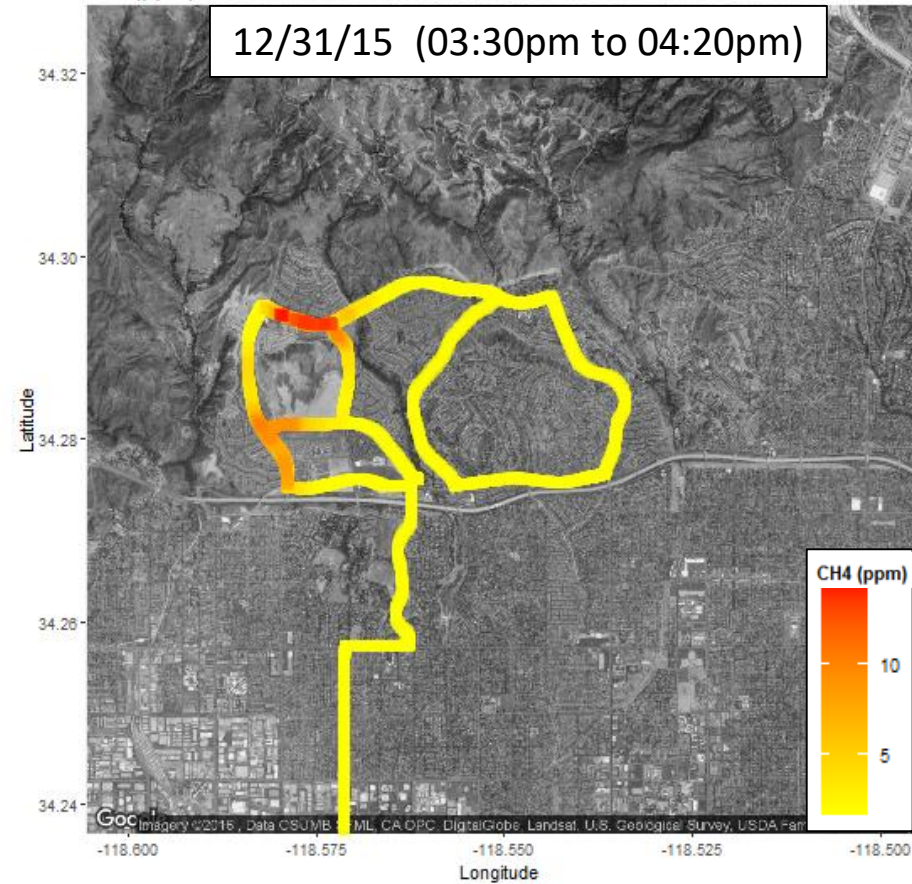
12/30/15 (07:15am to 08:00am)



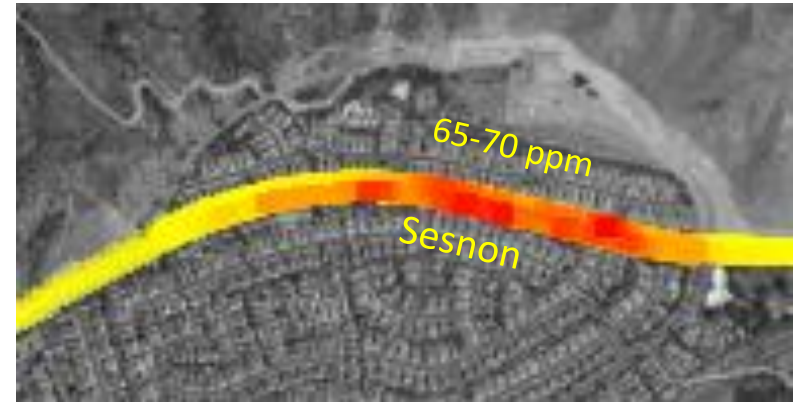
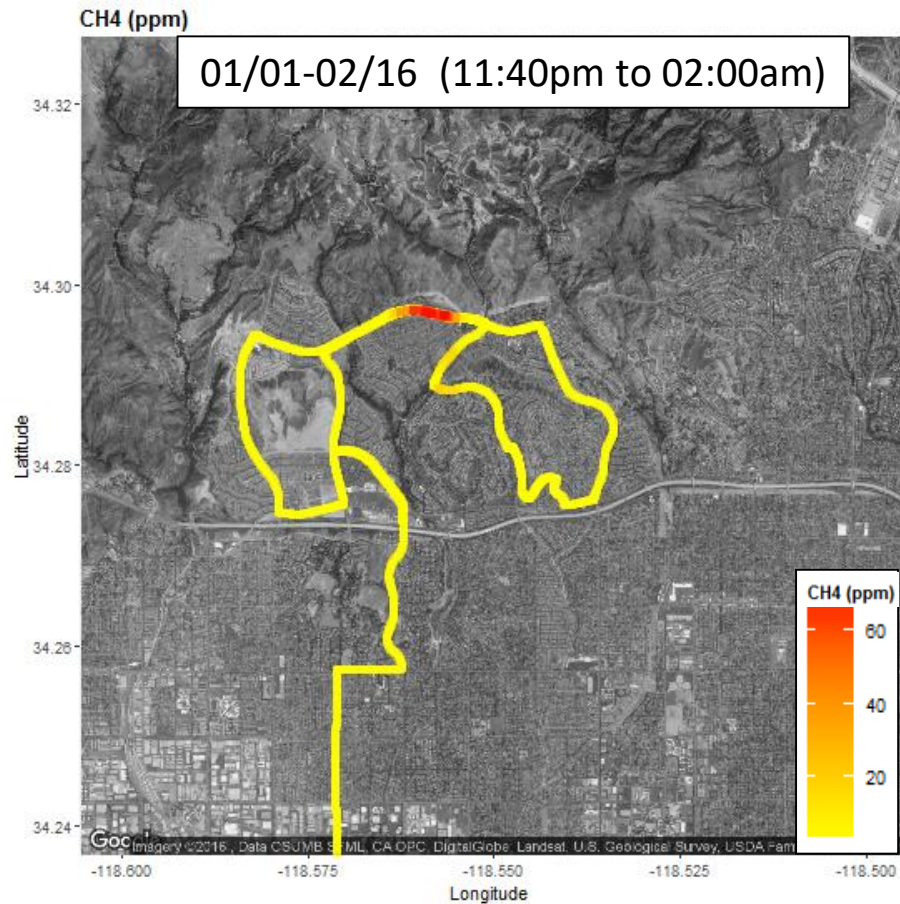
- Calm wind conditions
- Slightly elevated baseline methane levels (~3ppm)
- The highest methane concentrations (30-32 ppm) were measured on Sesnon Blvd near High Glen Way, where one of South Coast AQMD monitoring trailer is located
- No smell of mercaptan was detected

CH4 (ppm)

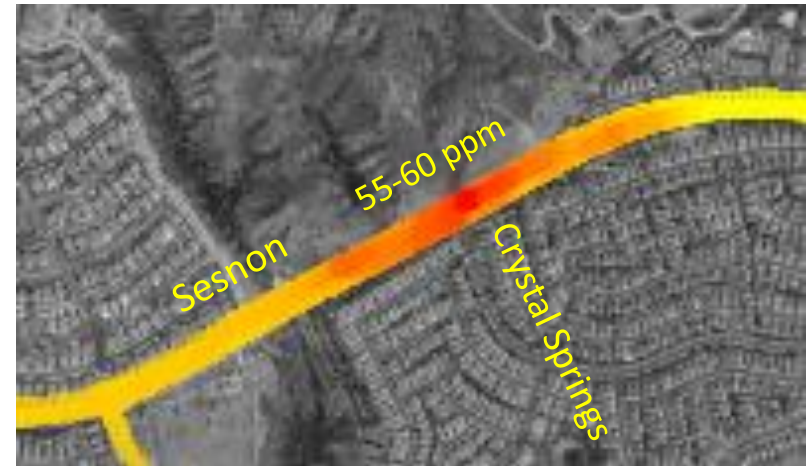
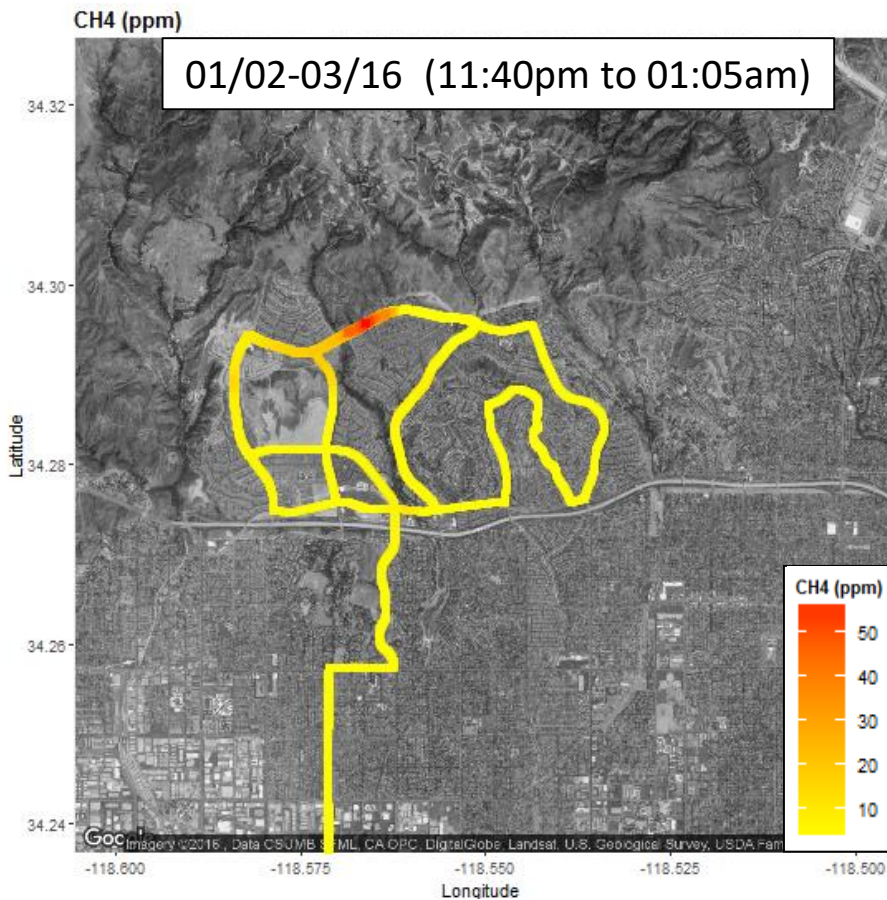
12/31/15 (03:30pm to 04:20pm)



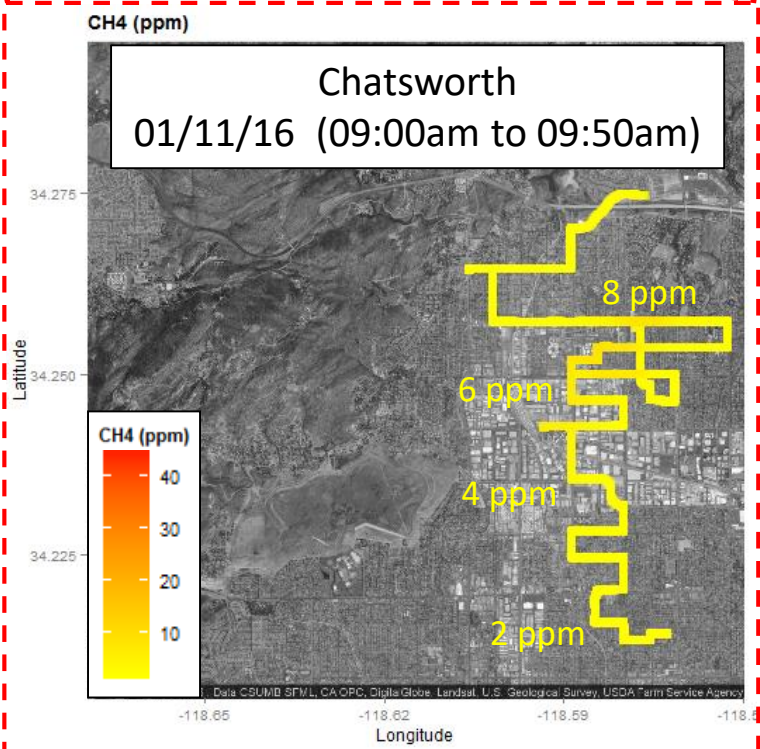
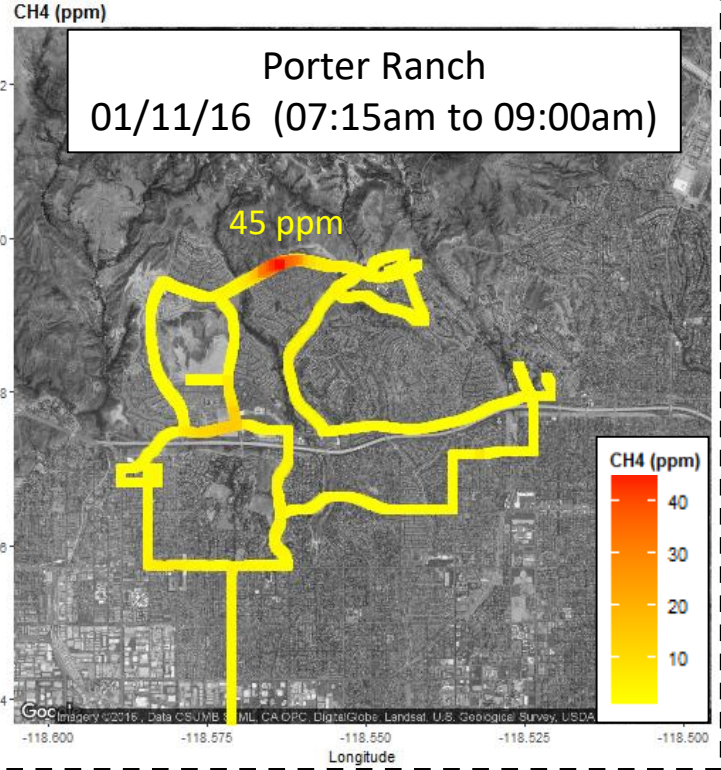
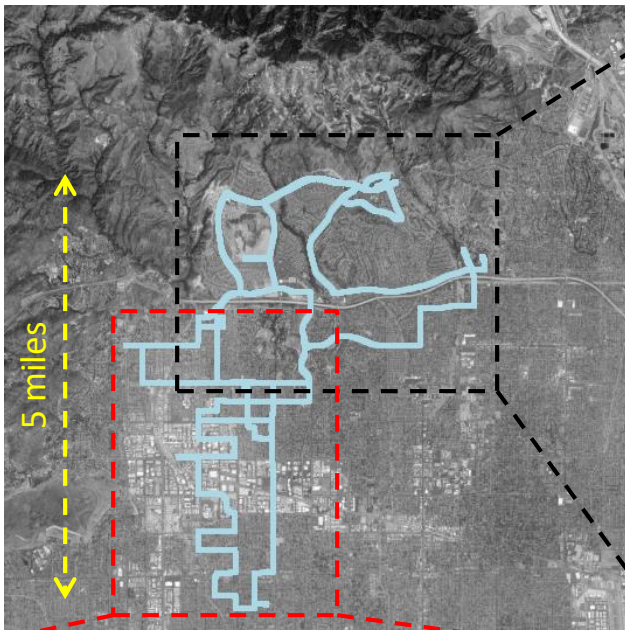
- Winds were blowing from North-East
- The highest methane concentrations (12-14 ppm) were measured on Sesnon Blvd near Porter Ranch Community School, where one of South Coast AQMD monitoring trailer is located
- Increased concentrations were also measured on Mason St. (south of Corbin)
- No smell of mercaptan was detected



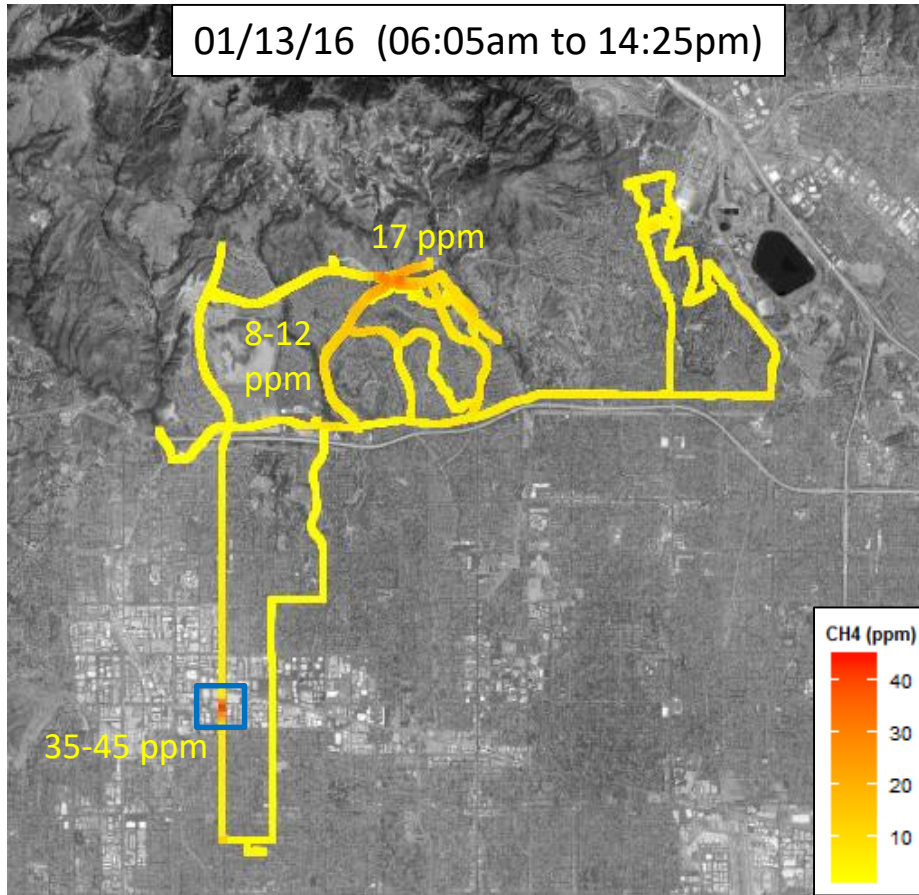
- Winds were calm and blowing from the North
- The highest methane concentrations (65-70 ppm) were measured on Sesnon Blvd
- The smell of mercaptan was very pronounced



- Winds were calm and blowing from the North
- The highest methane concentrations (55-60 ppm) were measured between Seshon Blvd and Crystal Springs
- Increased methane levels were also measured on Porter Ranch Dr. (near Seshon)
- The smell of mercaptan was very pronounced

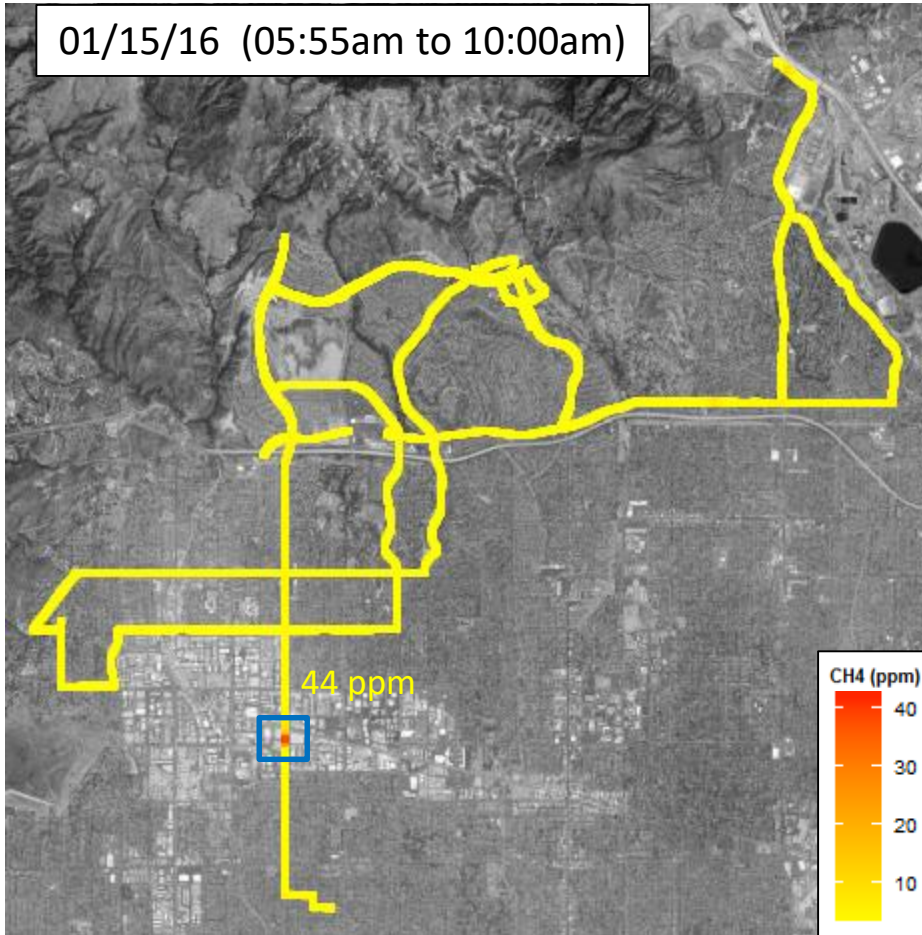


- Winds were blowing from North-East
- The highest methane concentrations (up to 45 ppm) were measured on Sesnon Blvd; here the smell of mercaptan was quite pronounced
- Methane concentrations decreased gradually moving South-West towards Chatsworth and returned to background level (2ppm) about 5 miles South of the SoCalGas facility
- Methane levels in Chatsworth were 2 to 4 times higher than background



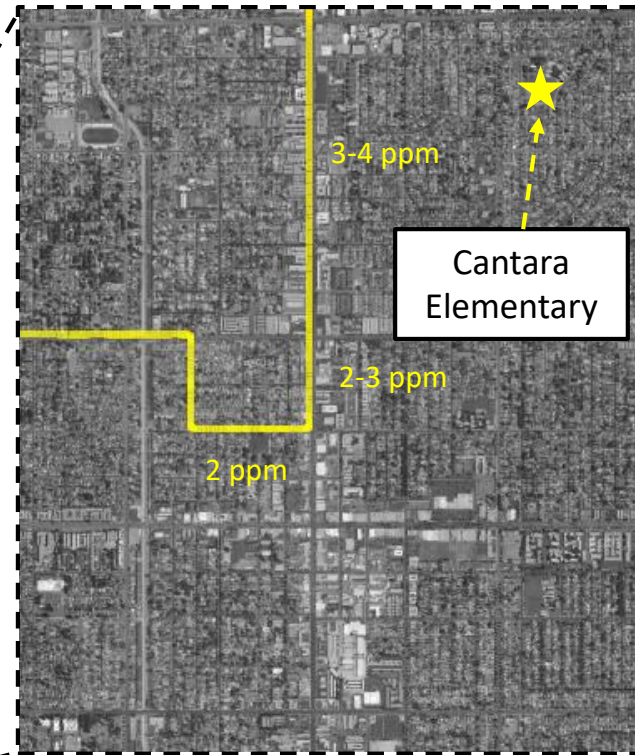
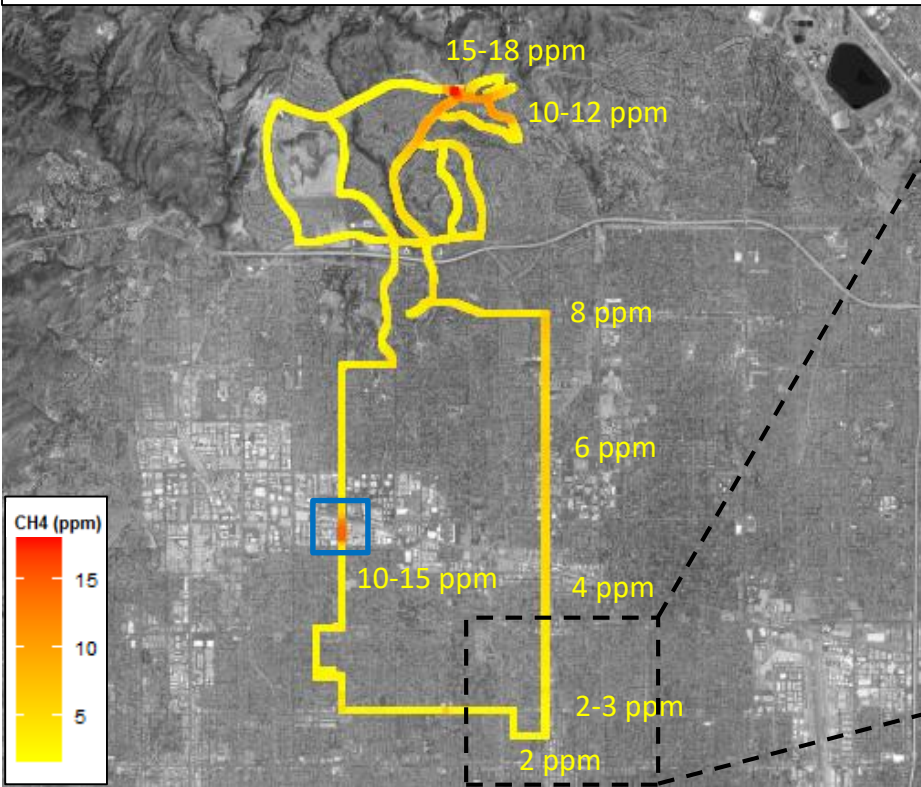
- Overcast / calm winds
- The highest methane concentrations (35-45 ppm) were measured in Winnetka near Mason Ave. and Nordhoff St. These elevated methane levels are probably not related to natural gas emissions from Aliso Canyon
- Increased methane concentrations (up to 17 ppm) were also measured on Sesnon Blvd; here no smell of mercaptan was detected

01/15/16 (05:55am to 10:00am)



- Overcast / low clouds / calm winds
- The highest methane concentrations (44 ppm) were measured in Winnetka near Mason Ave. and Nordhoff St. These elevated methane levels are probably not related to natural gas emissions from Aliso Canyon

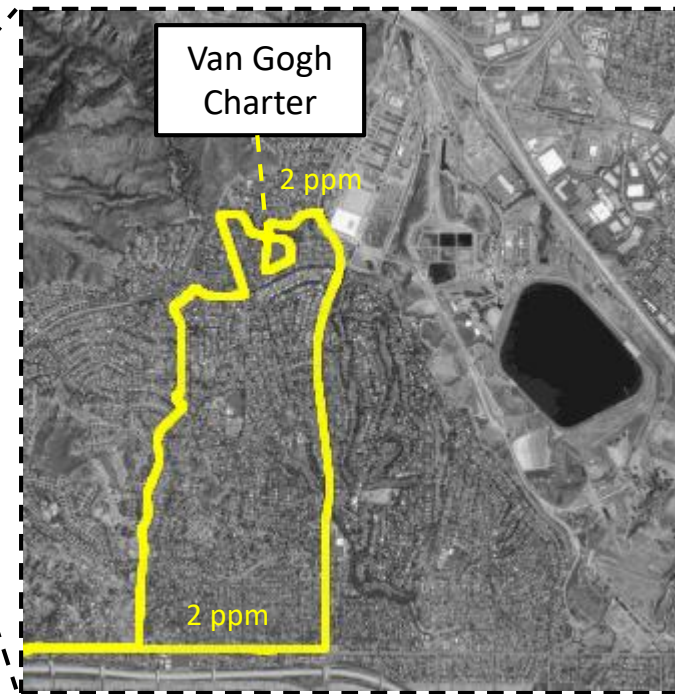
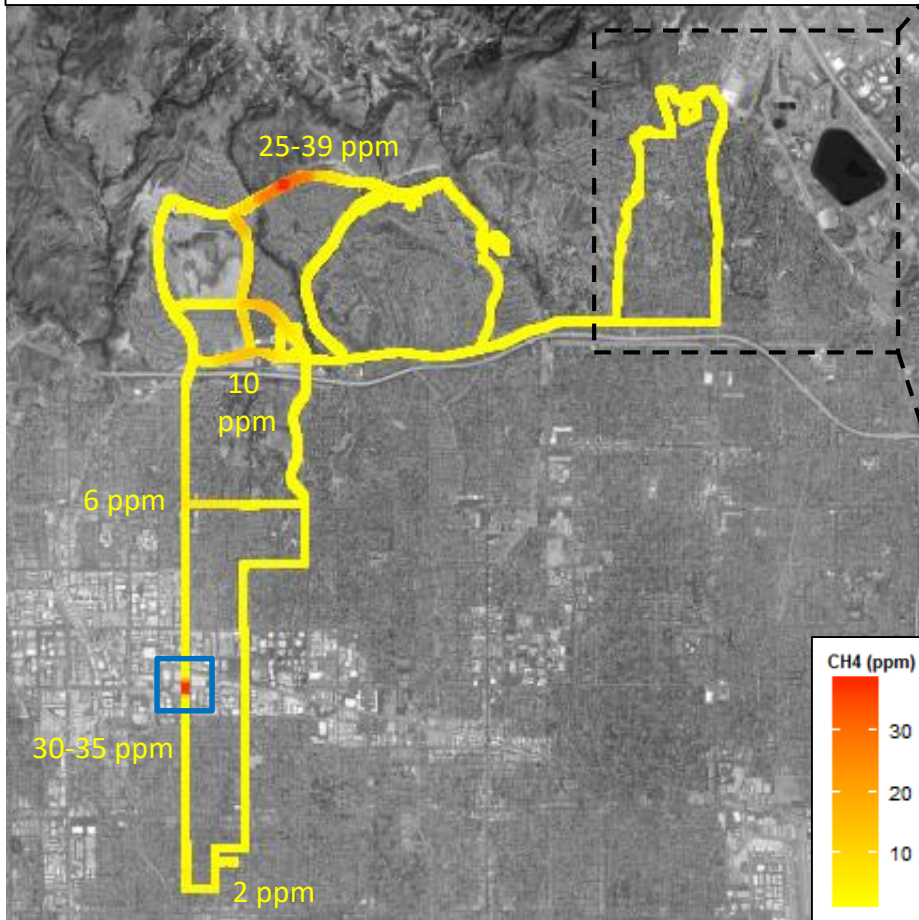
01/17-18/16 (11:50pm to 01:15am)



• Methane levels on Reseda Blvd and 0.6 mi West of Cantara Elementary School were slightly above background level (3-4 ppm)

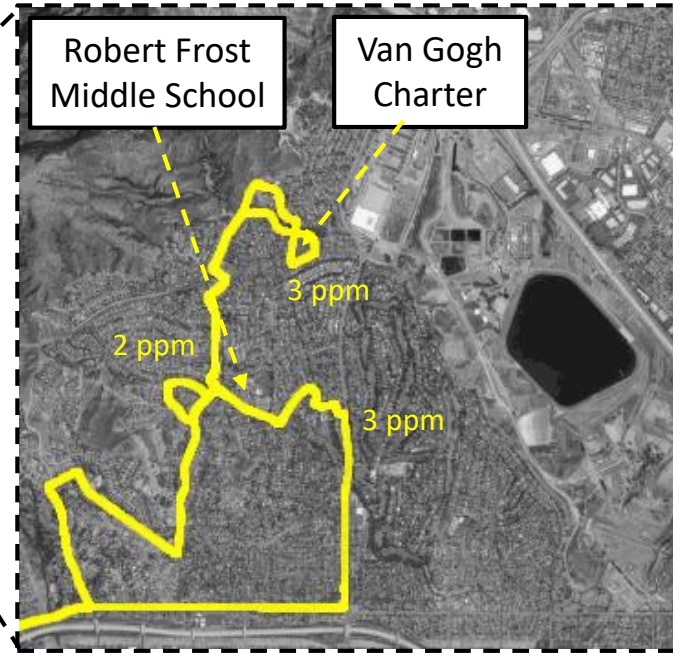
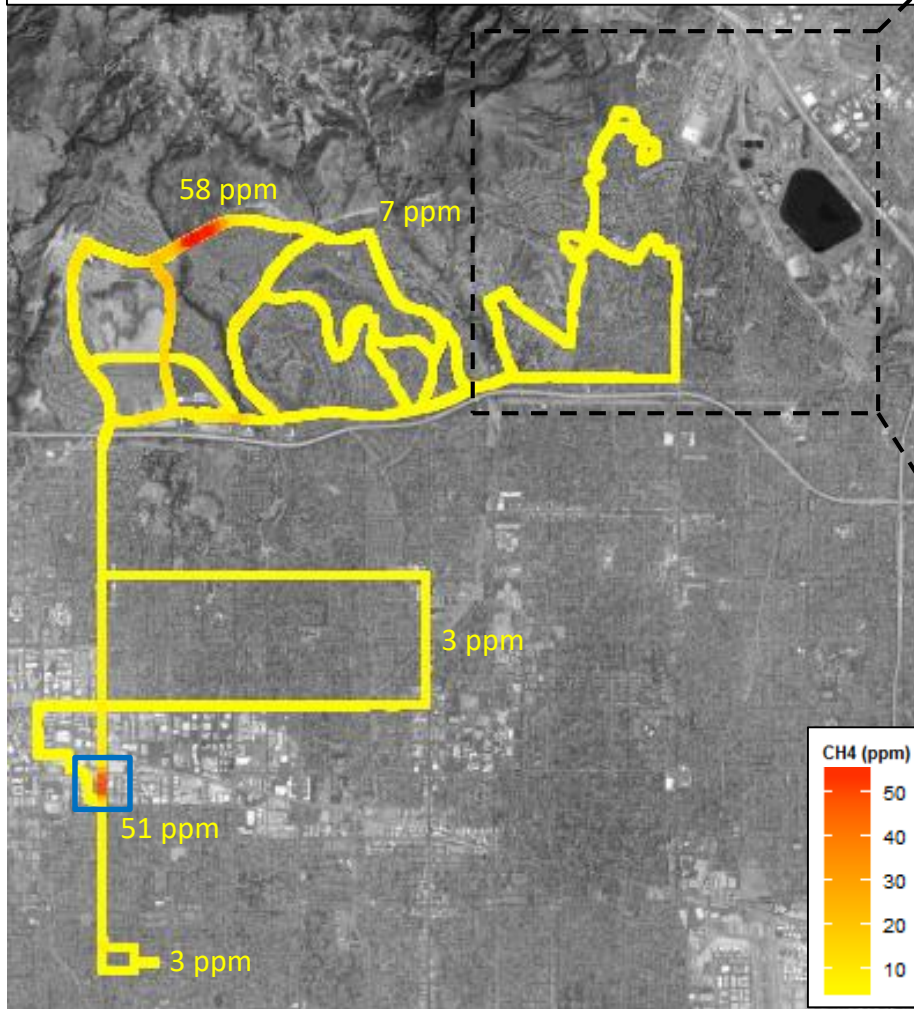
- Winds were blowing from North / North-West
- The highest methane levels (15-18 ppm) were measured on Sesnon Blvd; here no smell of mercaptan was detected
- Methane concentrations decreased gradually moving towards Northridge and returned to background level (2ppm) about 6.5 miles South of the SoCalGas facility
- Increased methane levels (10-15 ppm) were also measured in Winnetka near Winnetka Ave. and Nordhoff St. These elevated concentrations are probably not related to natural gas emissions from Aliso Canyon

01/21/16 (06:05am to 01:05pm)



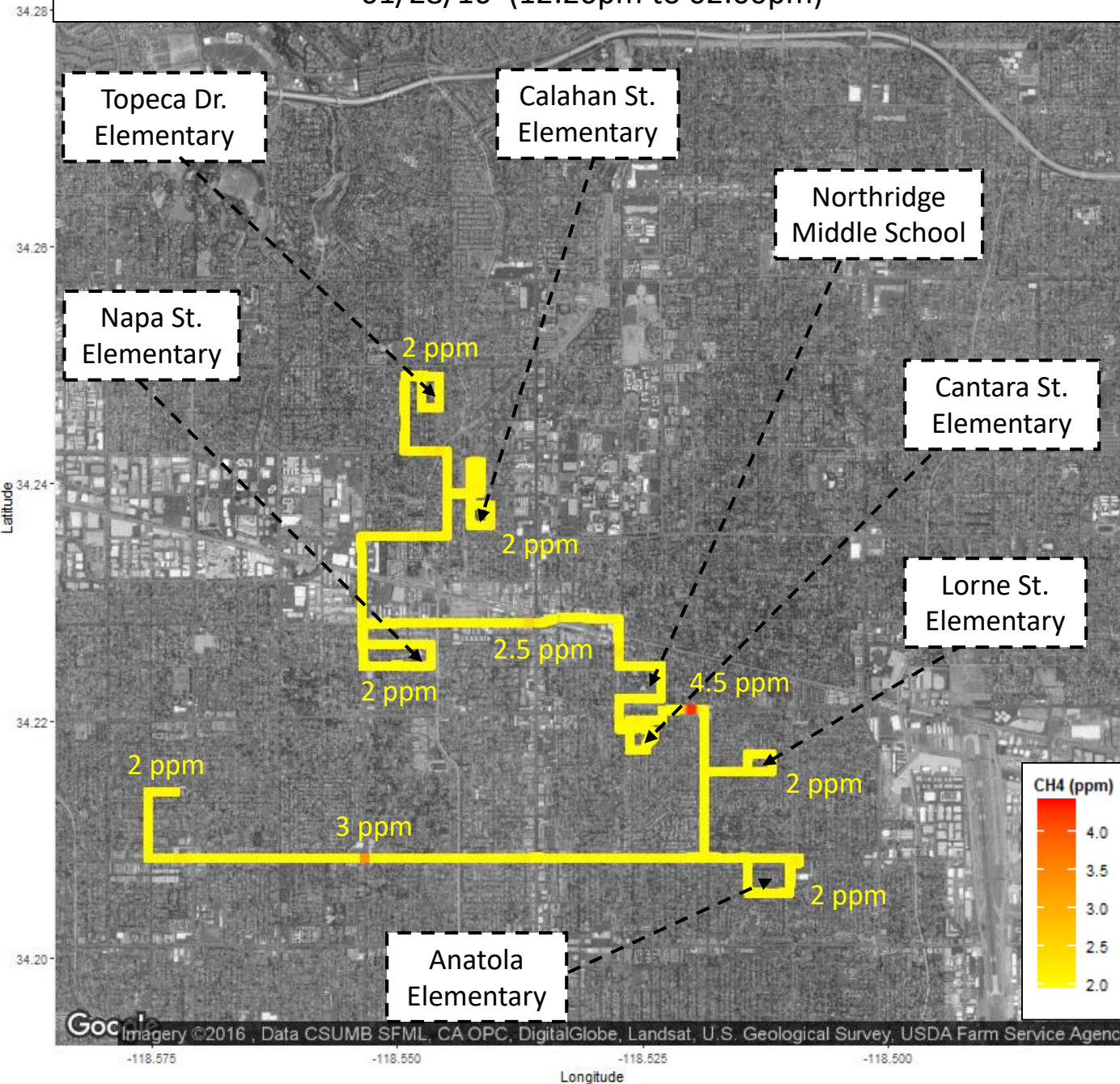
- Winds were blowing from the North
- The highest methane levels (up to 39 ppm) were recorded on Sesnon Blvd; here no smell of mercaptan was detected
- Methane concentrations near and around Van Gogh Charter School (Granada Hills) were close to background
- Elevated methane concentrations (30-35 ppm) were measured in Winnetka near Mason Ave. and Nordhoff St. These elevated concentrations are probably not related to natural gas emissions from Aliso Canyon

01/22/16 (05:50am to 10:40pm)



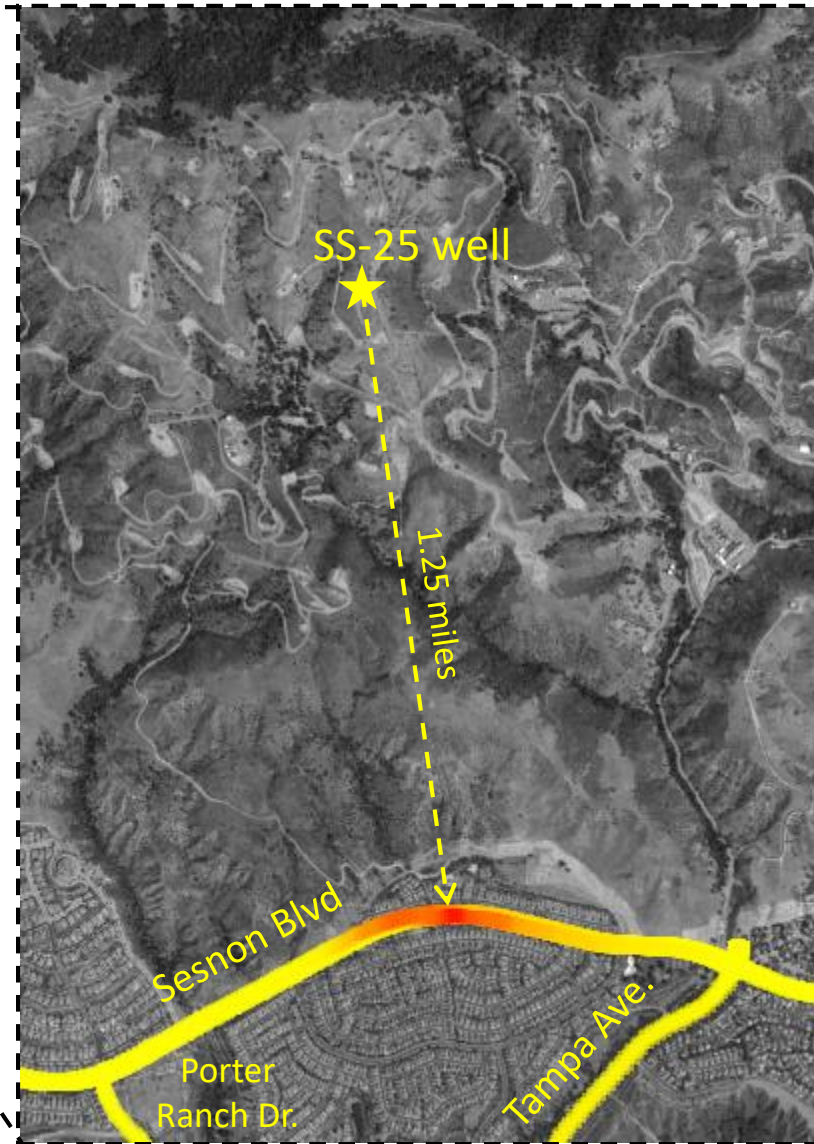
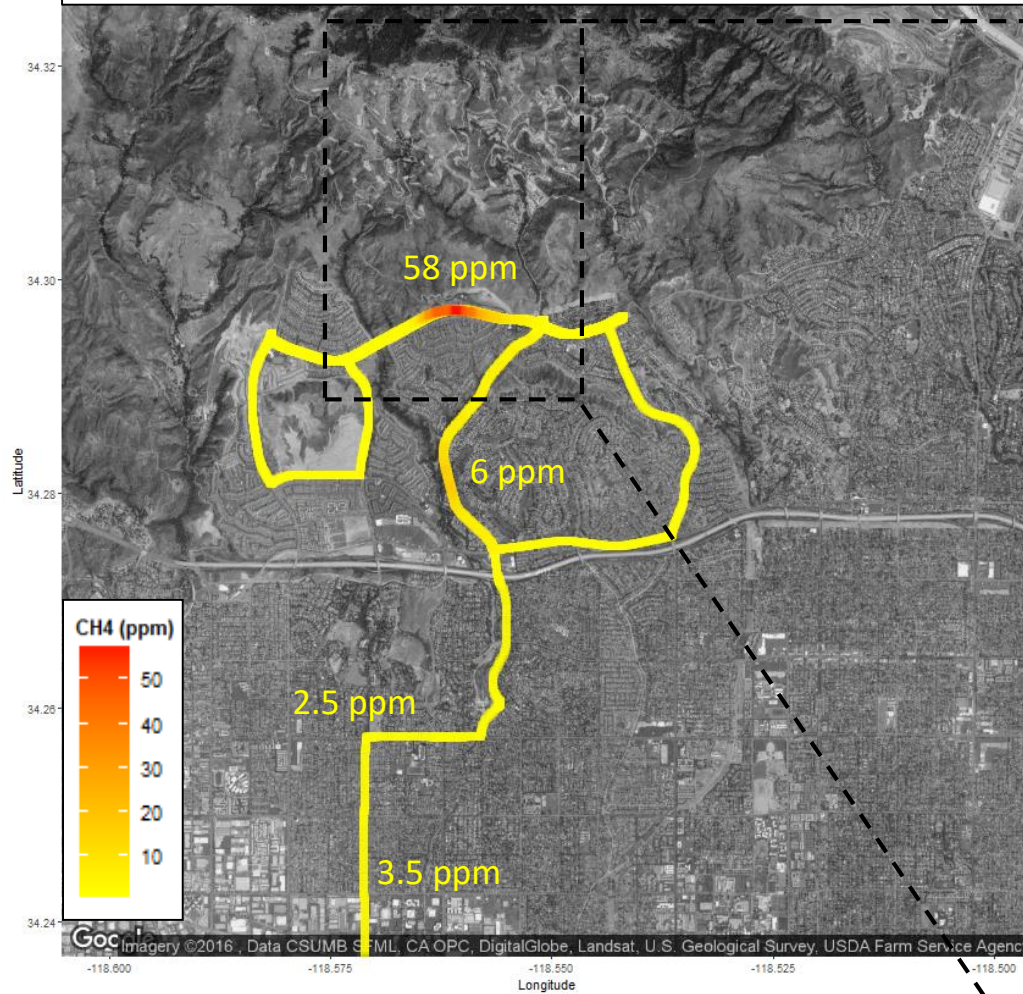
- Winds were calm and blowing from North / North-East
- The highest methane levels (up to 58 ppm) were recorded on Sesnon Blvd; here no smell of mercaptan was detected
- Methane concentrations near and around Van Gogh Charter School (Granada Hills) and Robert Frost Middle School (Granada Hills) were close to background
- Elevated methane concentrations (up to 51 ppm) were measured in Winnetka near Mason Ave. and Nordhoff St. These elevated concentrations are probably not related to natural gas emissions from Aliso Canyon

01/28/16 (12:20pm to 02:00pm)



- Winds were calm
- Methane concentrations near and around several schools in the Northridge, Reseda, and Lake Balboa area were close to background (2 ppm)
- Slightly elevated methane levels (up to 4.5 ppm) were measured for short periods of time while driving on surface streets

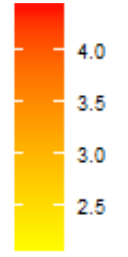
02/10/16 (06:20am to 07:40am)



- Winds were strong and blowing from the North
- The highest methane concentrations (up to 58 ppm) were measured on Seson Blvd near High Glen Way, where one of South Coast AQMD monitoring trailer is located; the smell of mercaptan was quite pronounced
- Increased methane levels were also measured on Tampa Ave.

02/10/16 (09:30am to 11:00am)

CH₄ (ppm)



Latitude

34.24

34.22

34.20

34.18

Chaminade College Prep High School

Enadia Way Elementary

First United Preschool

West Valley Christian School

Canoga Park High School

Taft Charter High School

Hart St Elementary

Pierce College

4.5 ppm

3.5 ppm

2 ppm

3 ppm

3.5 ppm

2.5 ppm

2 ppm

2 ppm

- Winds were blowing from the North
- Methane concentrations near and around several schools in Canoga Park and Woodland Hills were close to background
- Slightly elevated methane levels (up to 4.5 ppm) were measured for short periods of time while driving on surface streets

-118.650

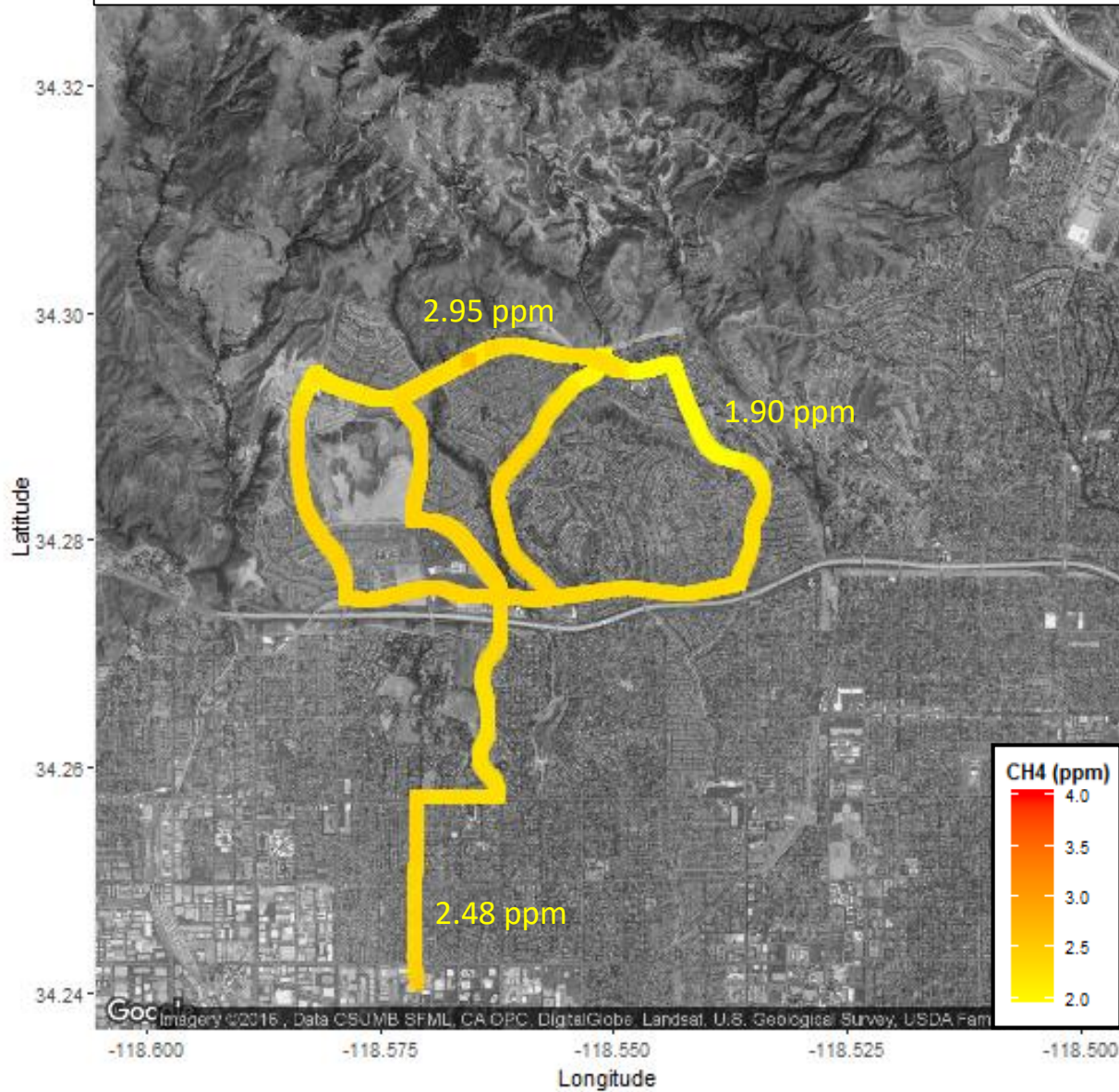
-118.625

-118.600

-118.575

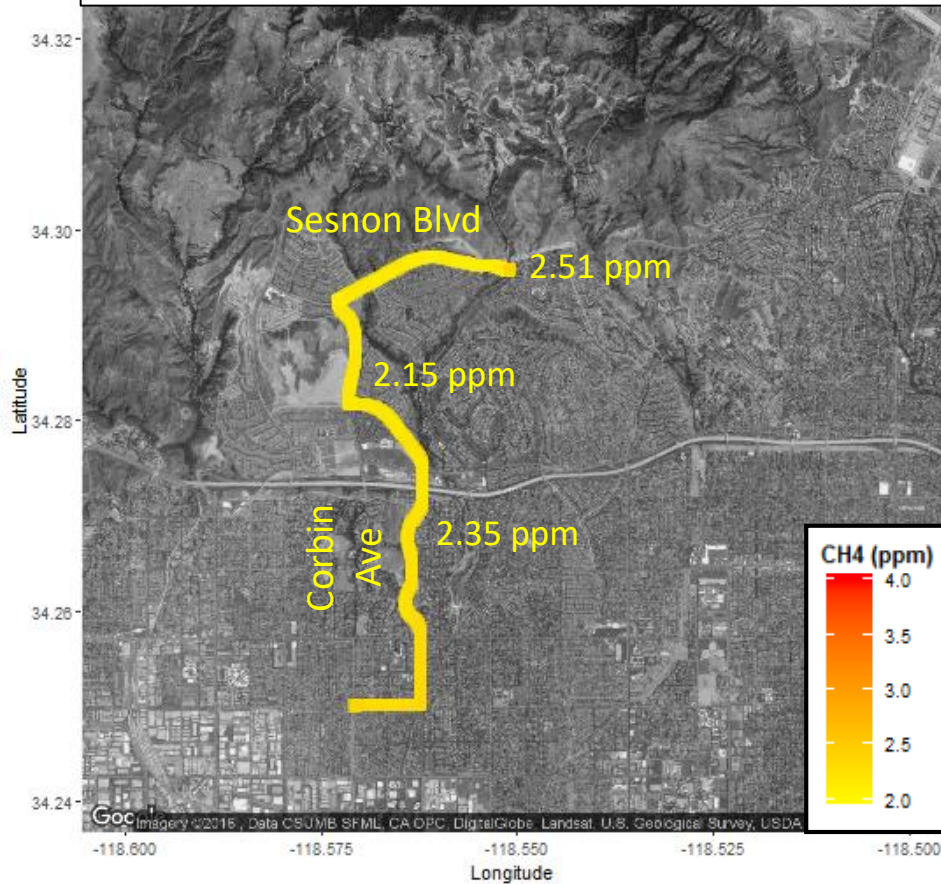
Longitude

02/12/16 (08:20am to 09:20am)



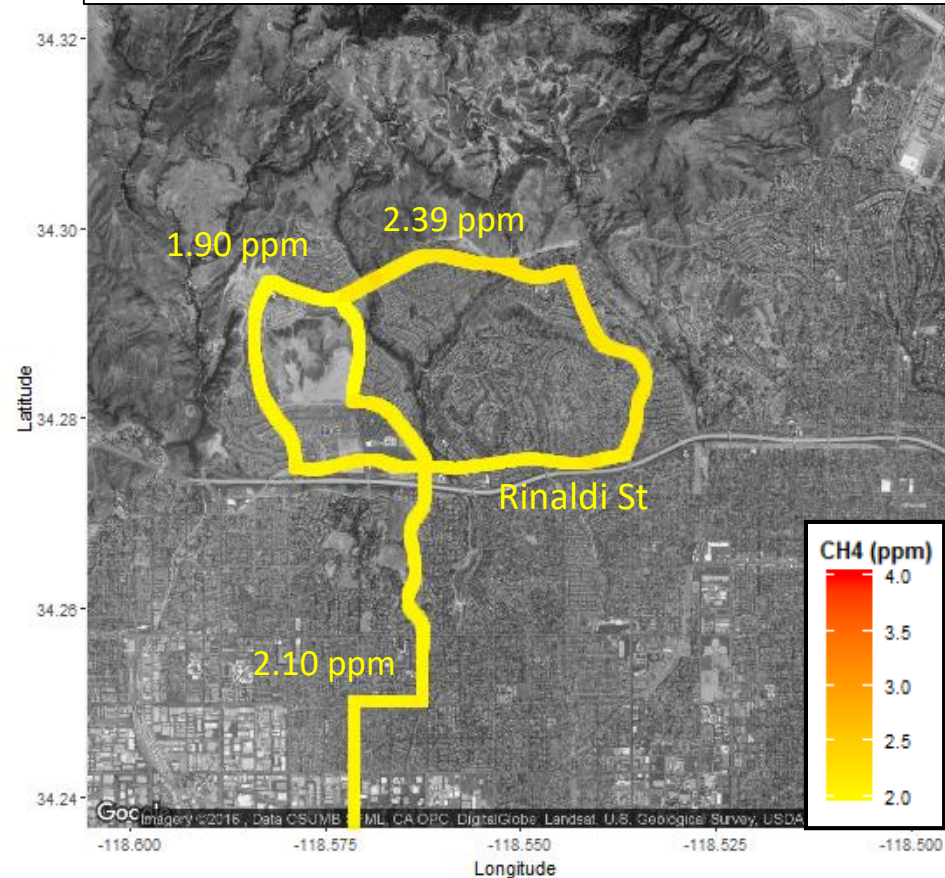
- Winds were calm and blowing from the North
- Methane levels south of Sesnon Blvd. and around Porter Ranch have decreased substantially since well SS25 has been capped
- The average methane concentration measured in the Porter Ranch and Northridge areas was 2.18 ppm; the maximum methane level (2.95 ppm) was recorded on Sesnon Blvd

02/13/16 (09:05am to 09:40am)



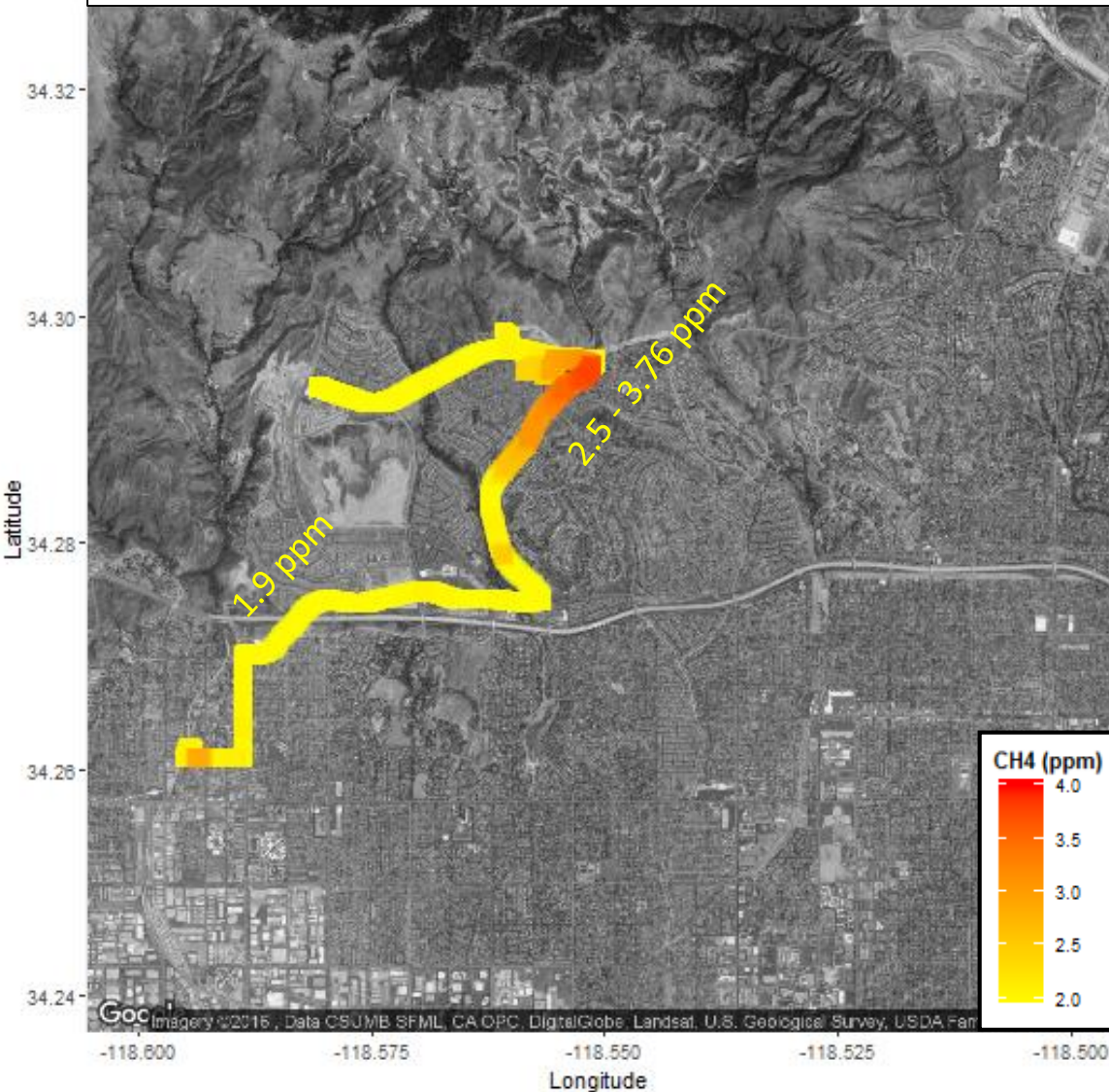
- Winds were blowing from the North
- The average methane concentration recorded during this short survey was 2.16 ppm; the maximum methane level (2.51 ppm) was measured on Sesnon Blvd

02/13/16 (03:35pm to 04:15pm)



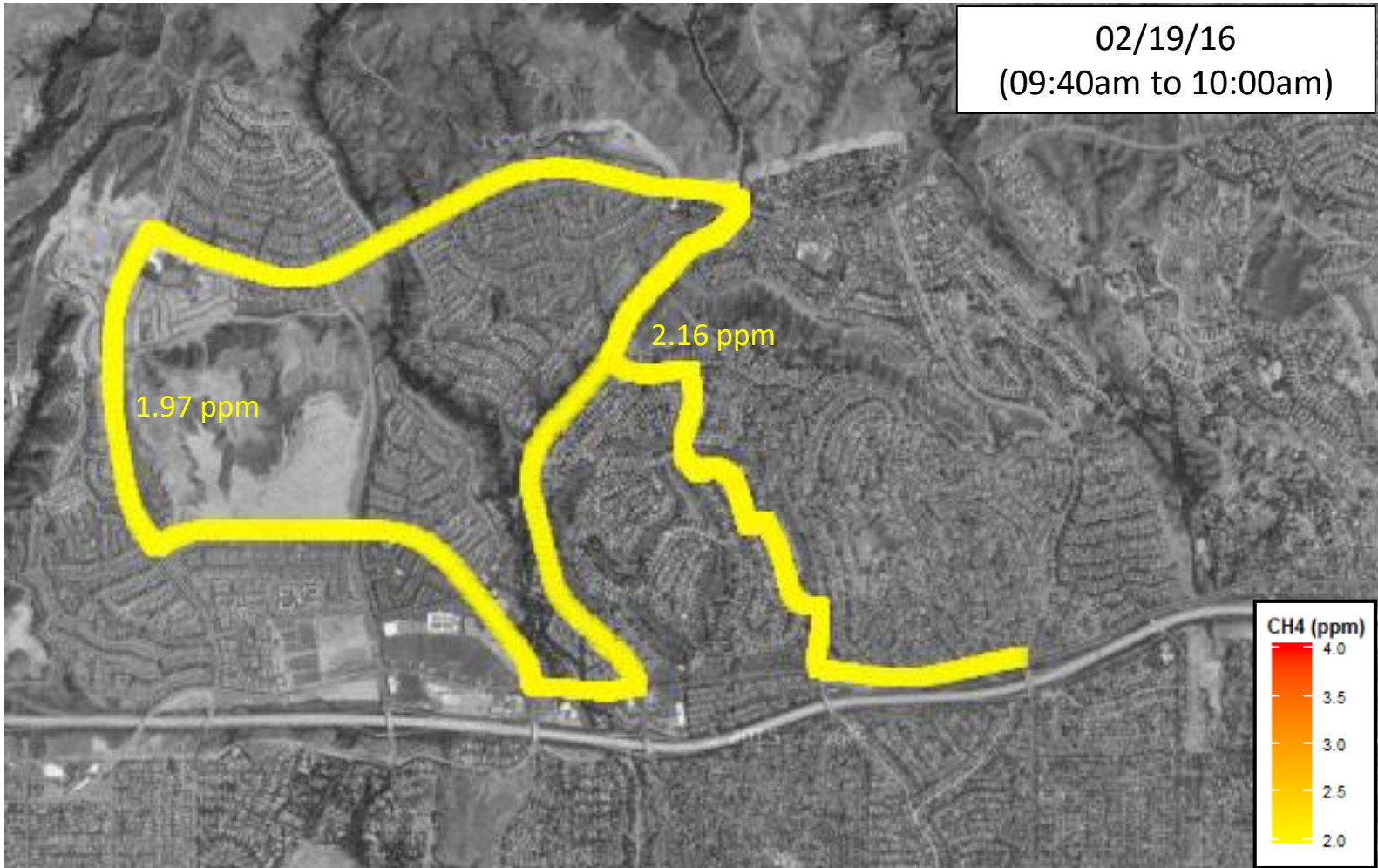
- Winds were blowing from the North
- The average methane concentration measured in the Porter Ranch and Northridge areas was 2.04 ppm; the maximum methane level (2.39 ppm) was recorded on Sesnon Blvd
- Overall, methane levels in Porter Ranch have decreased substantially since well SS25 has been capped

02/16/16 (05:20pm to 07:35pm)

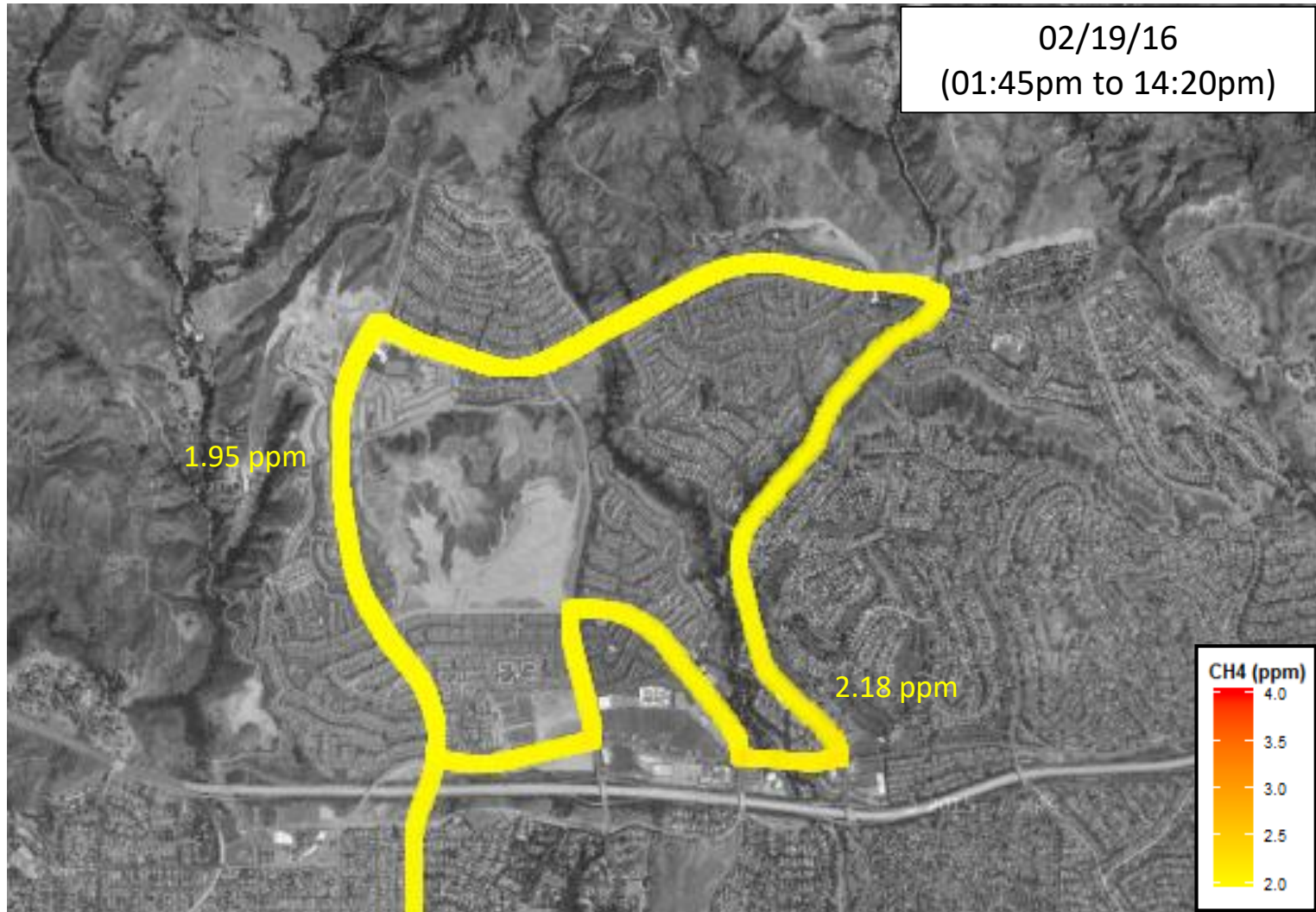


- Overall, methane levels in the Porter Ranch area have decreased substantially since well SS25 has been capped
- However, methane concentrations on Tampa Ave. and south of Sesnon Blvd. were significantly higher than background

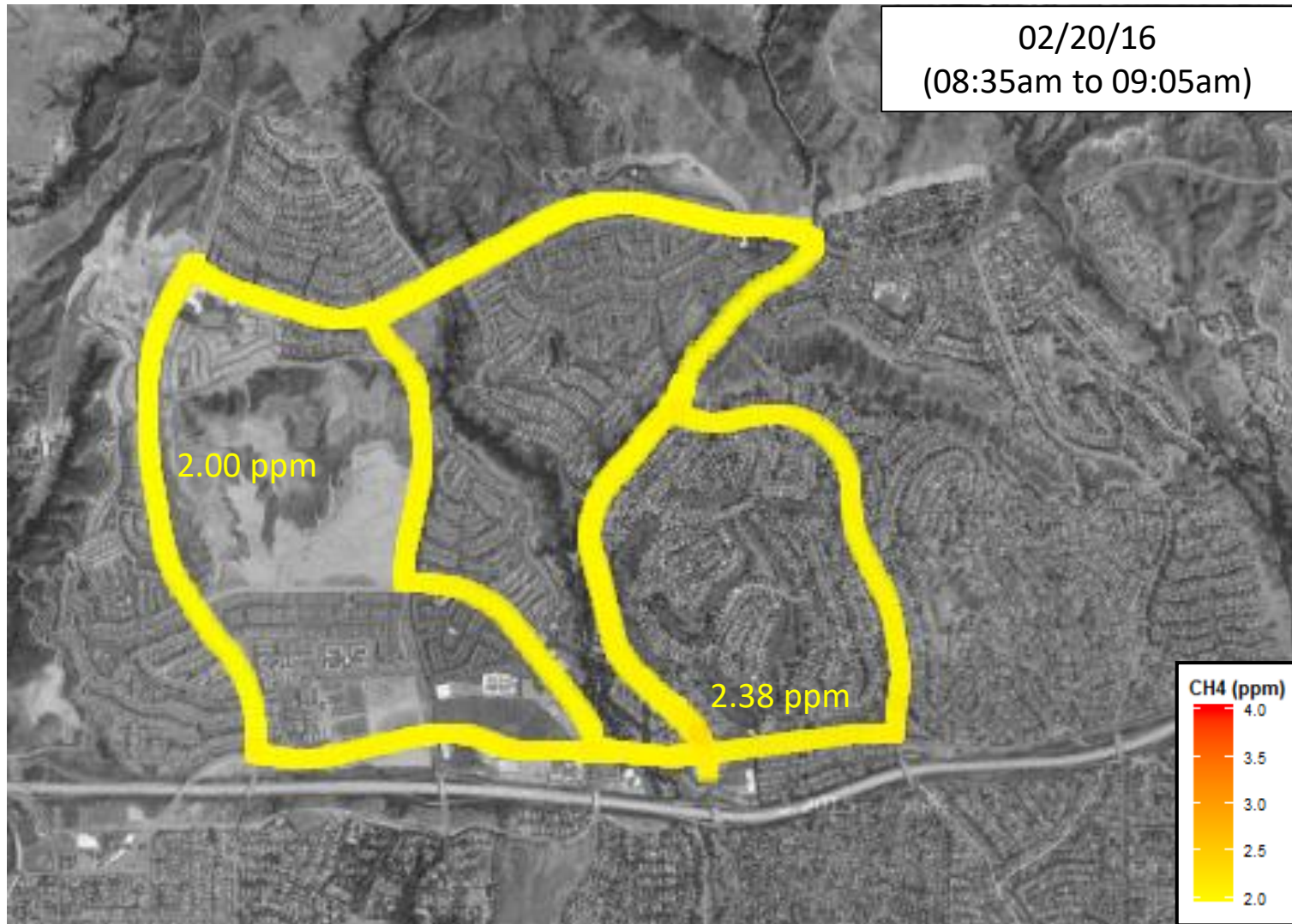
02/19/16
(09:40am to 10:00am)



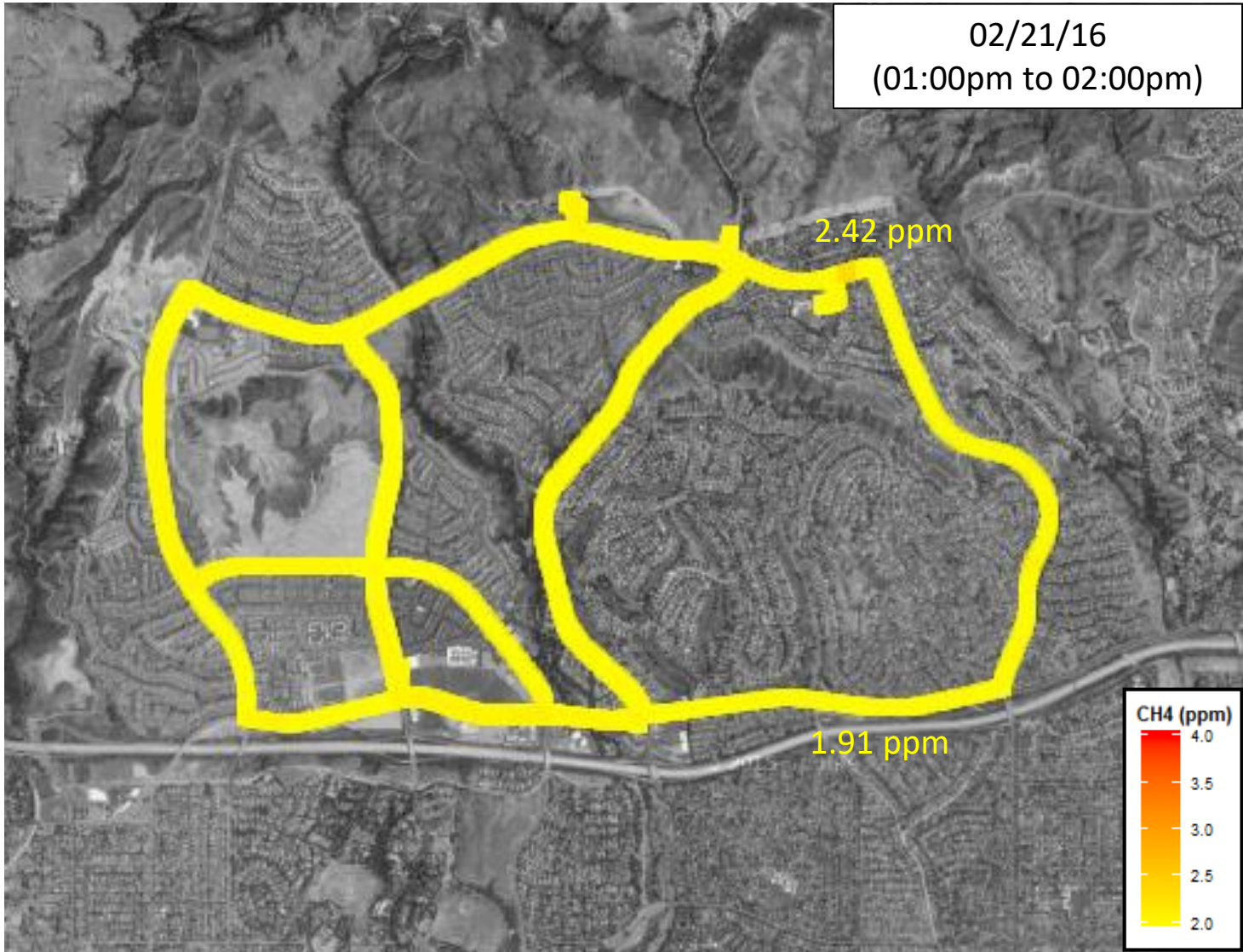
02/19/16
(01:45pm to 14:20pm)



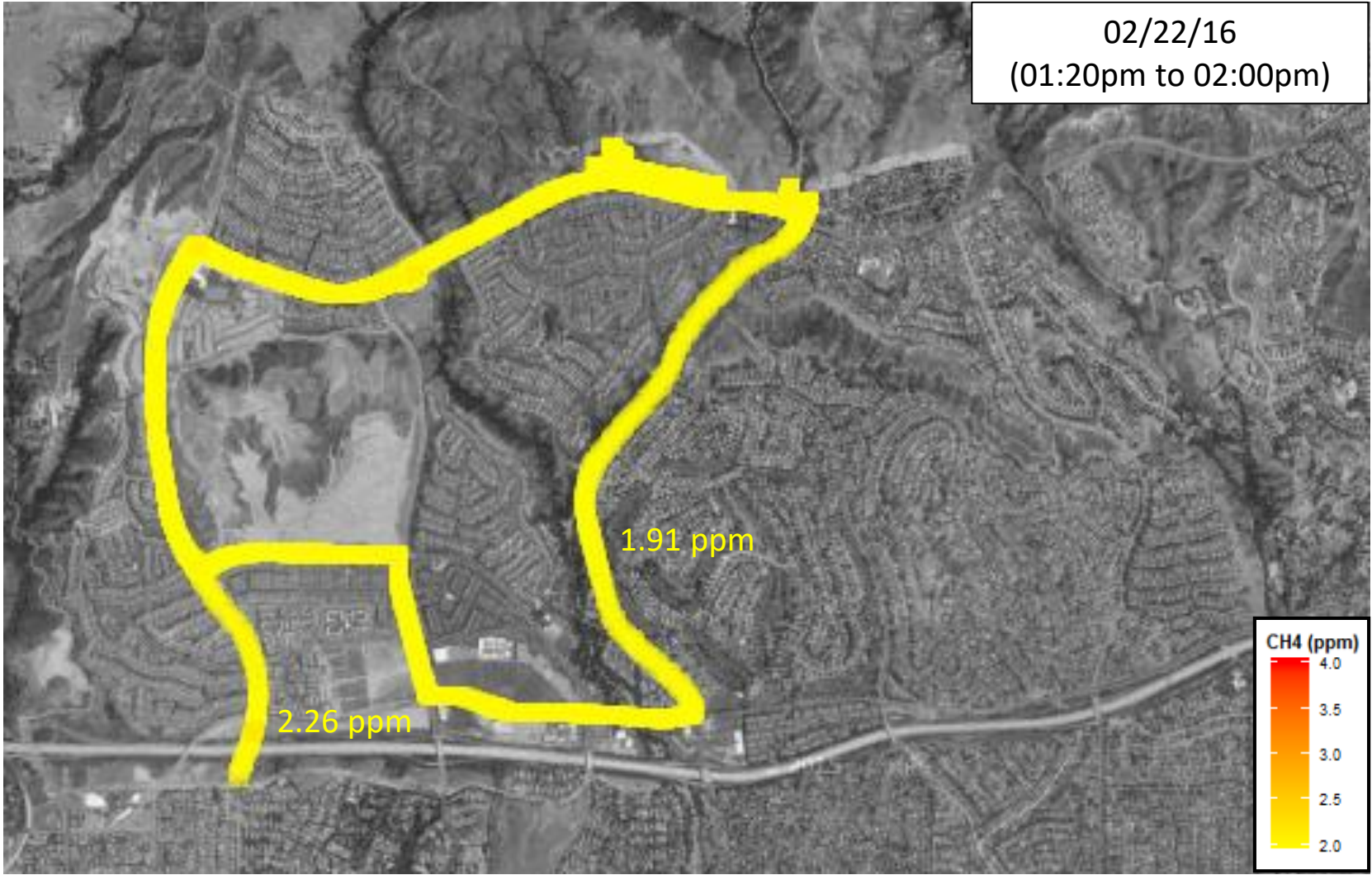
02/20/16
(08:35am to 09:05am)



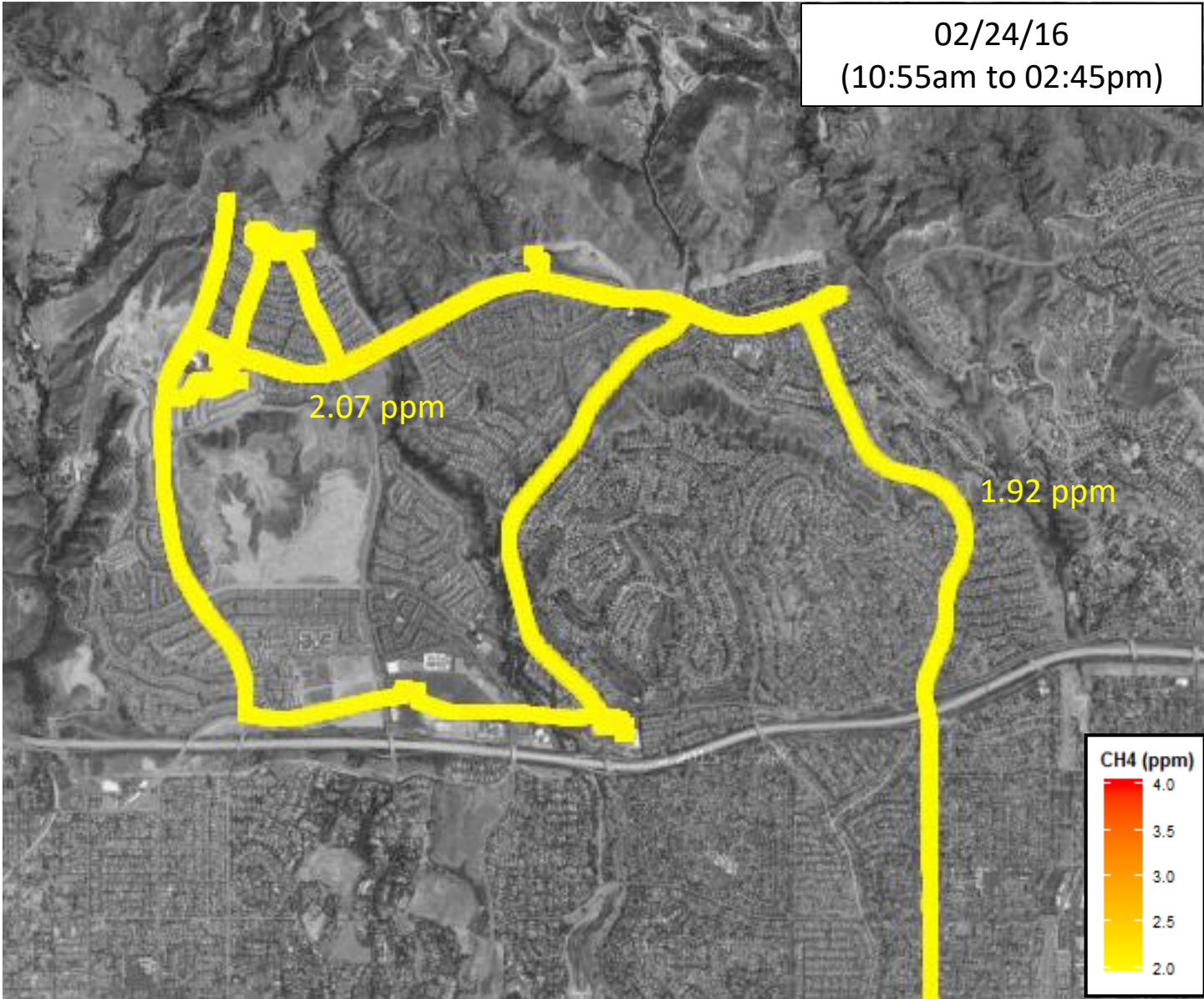
02/21/16
(01:00pm to 02:00pm)



02/22/16
(01:20pm to 02:00pm)

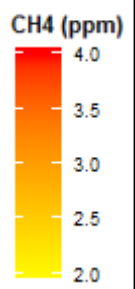


02/24/16
(10:55am to 02:45pm)



2.07 ppm

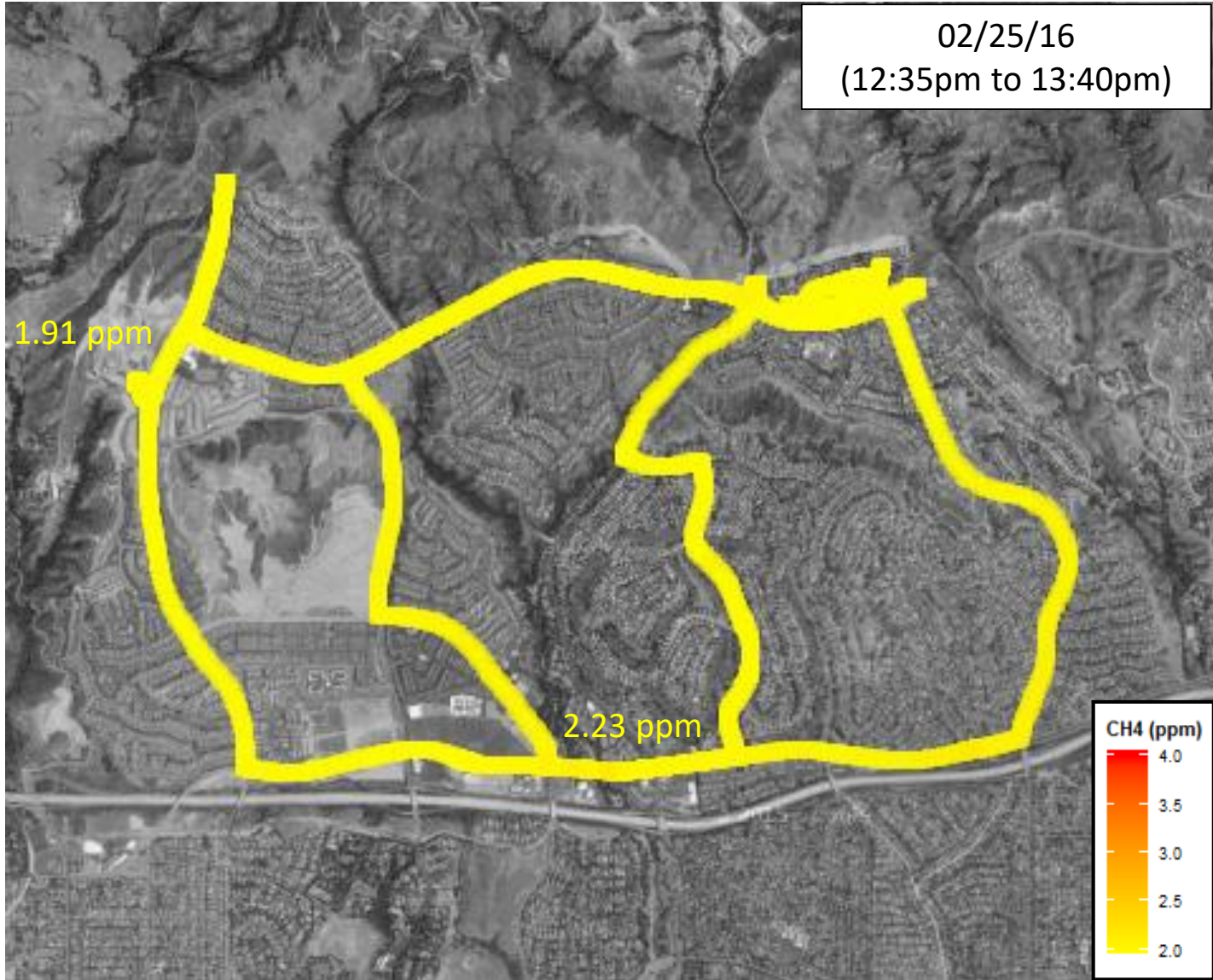
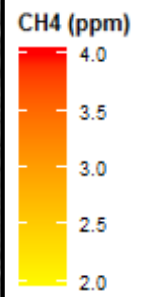
1.92 ppm



02/25/16
(12:35pm to 13:40pm)

1.91 ppm

2.23 ppm

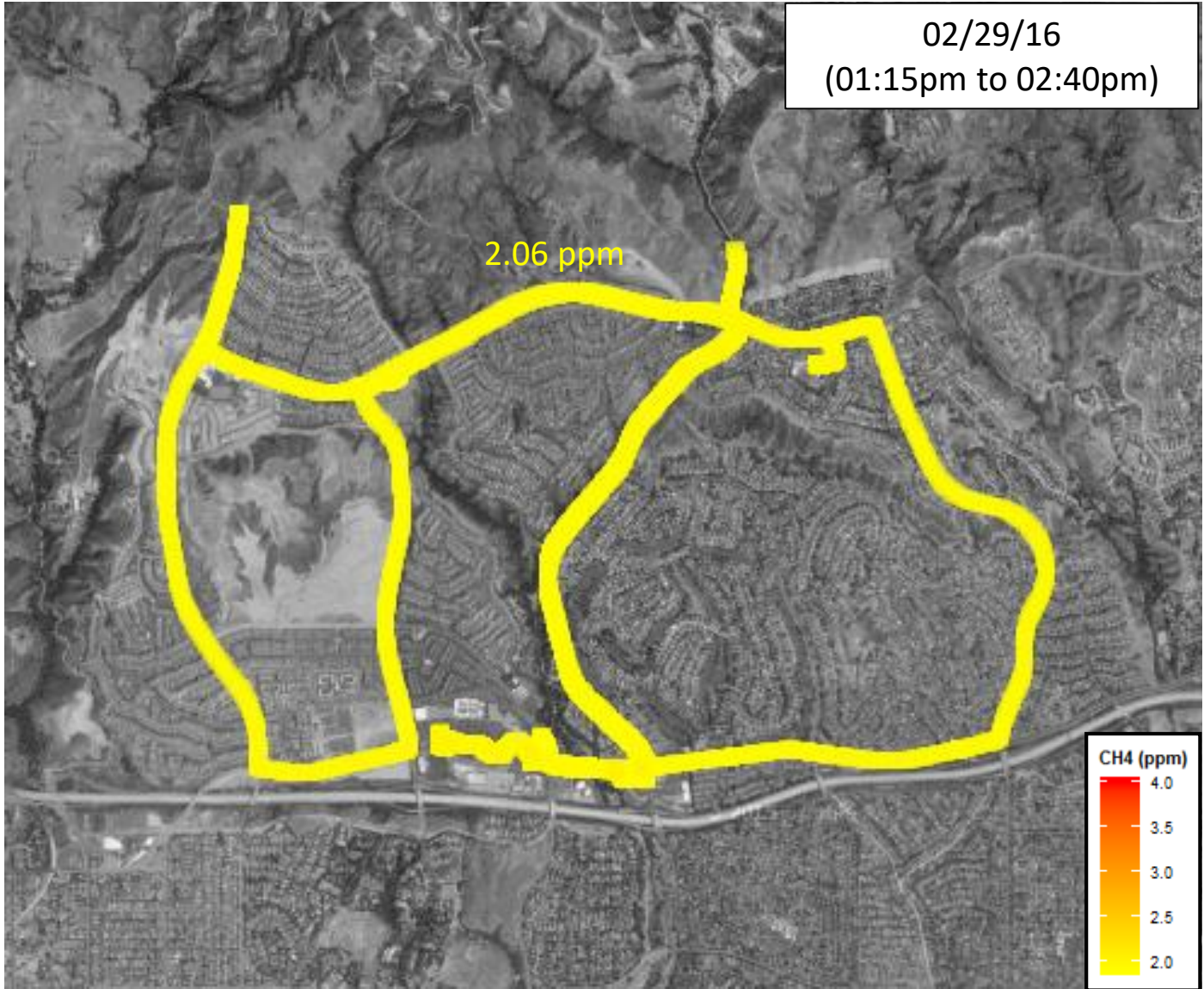
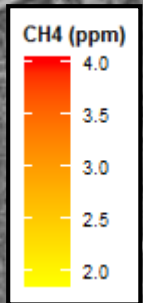


02/26/16
(11:45am to 13:20pm)

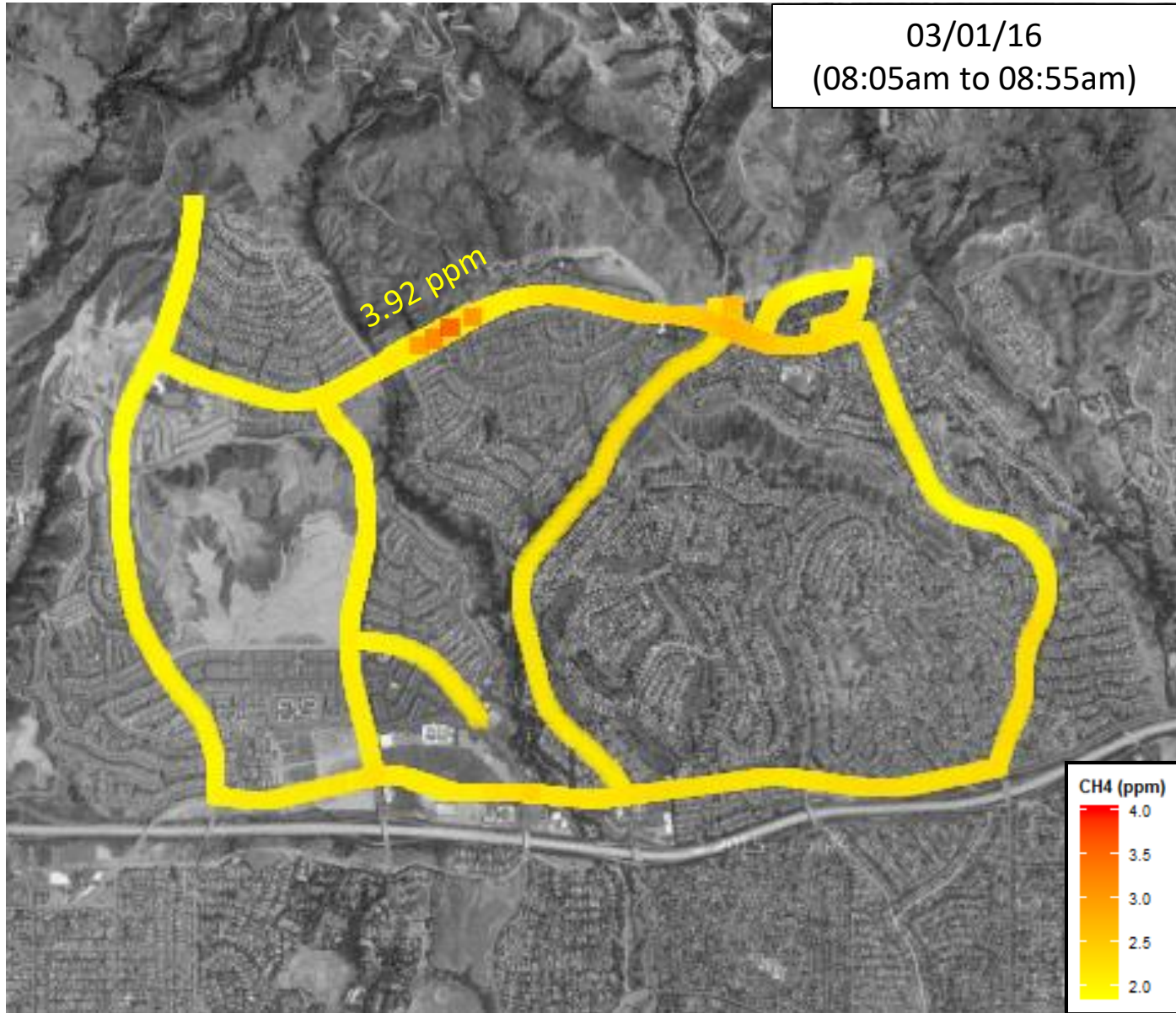


02/29/16
(01:15pm to 02:40pm)

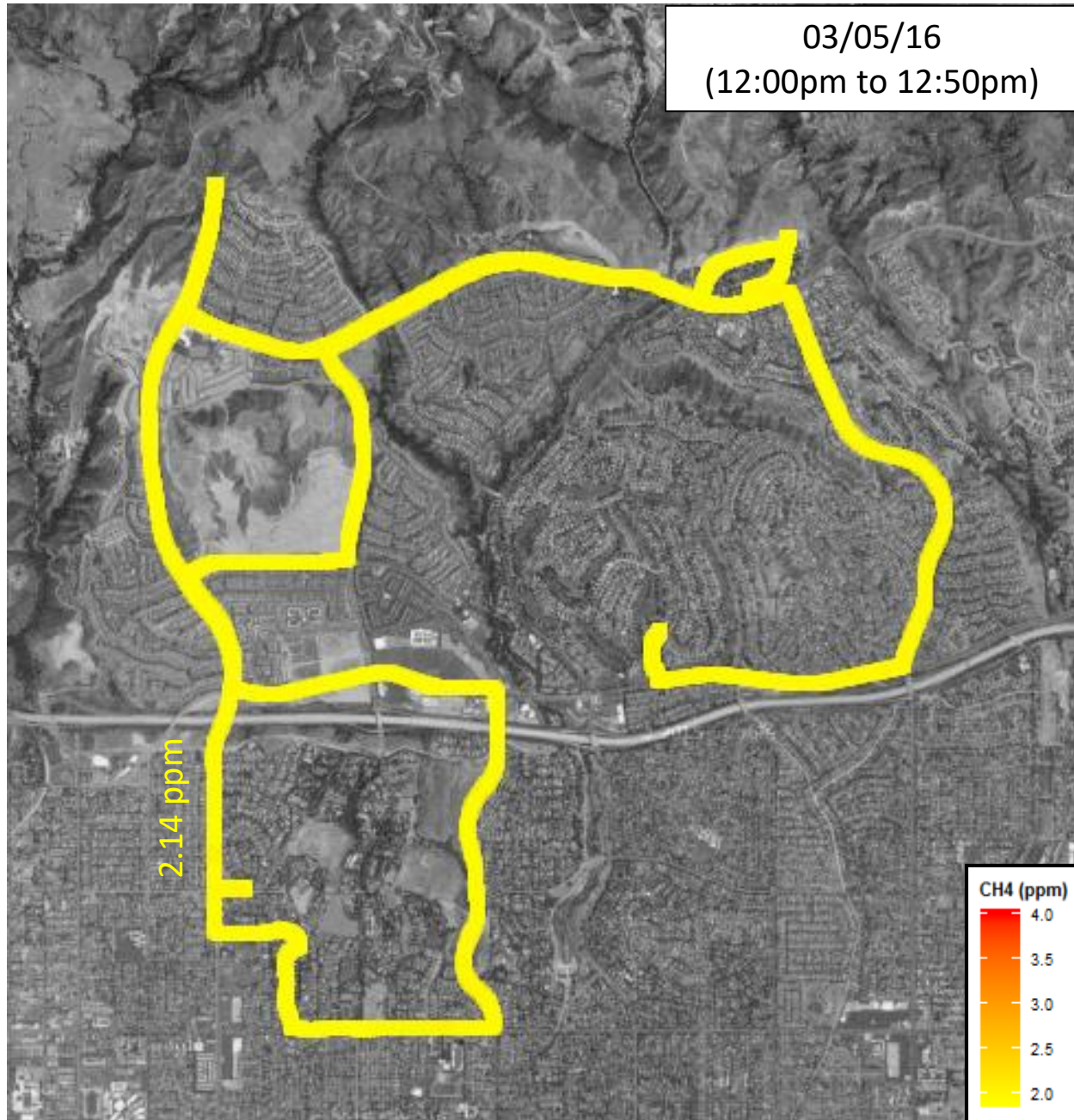
2.06 ppm



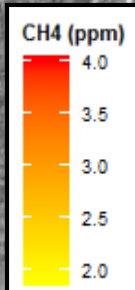
03/01/16
(08:05am to 08:55am)



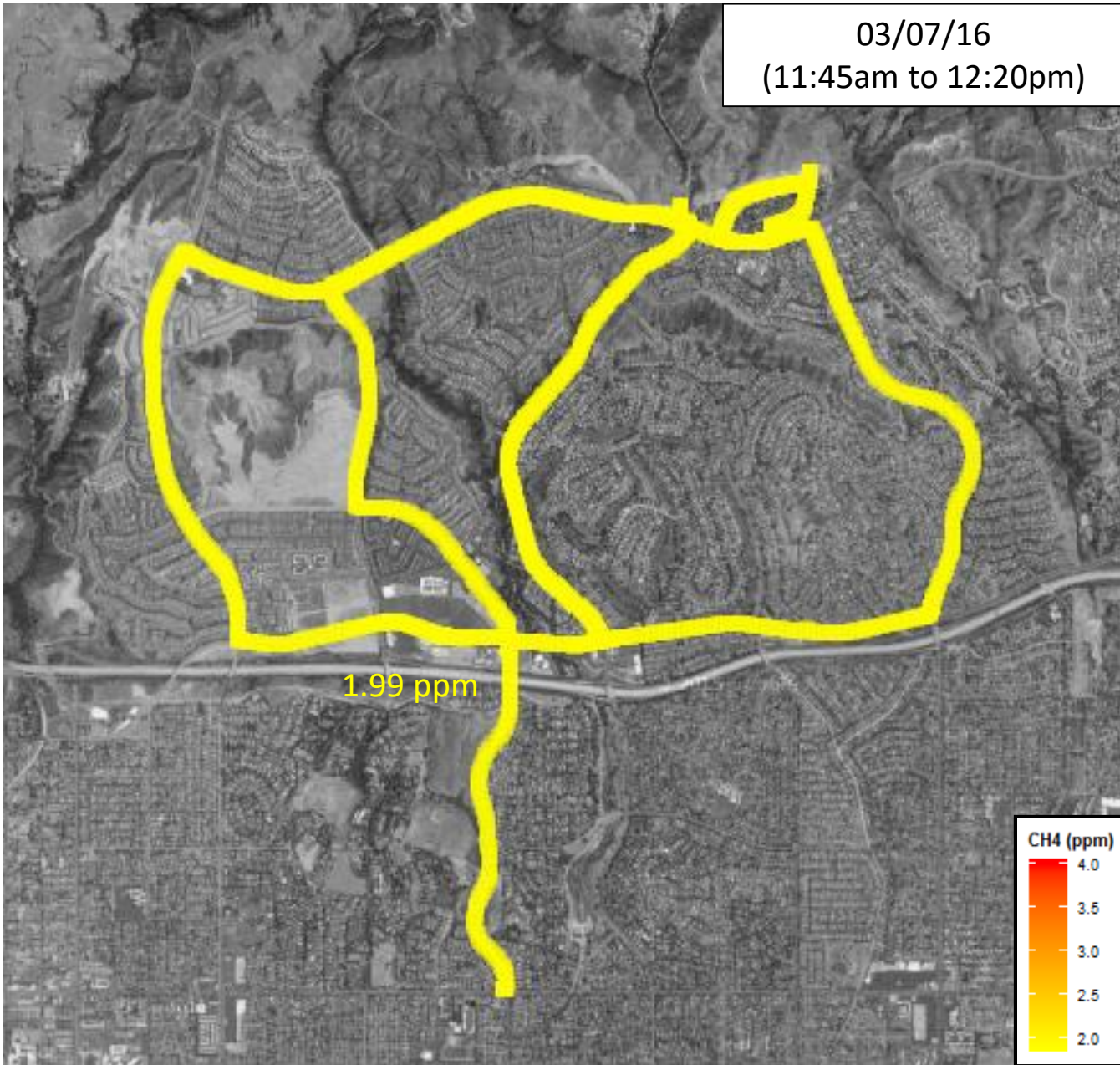
03/05/16
(12:00pm to 12:50pm)



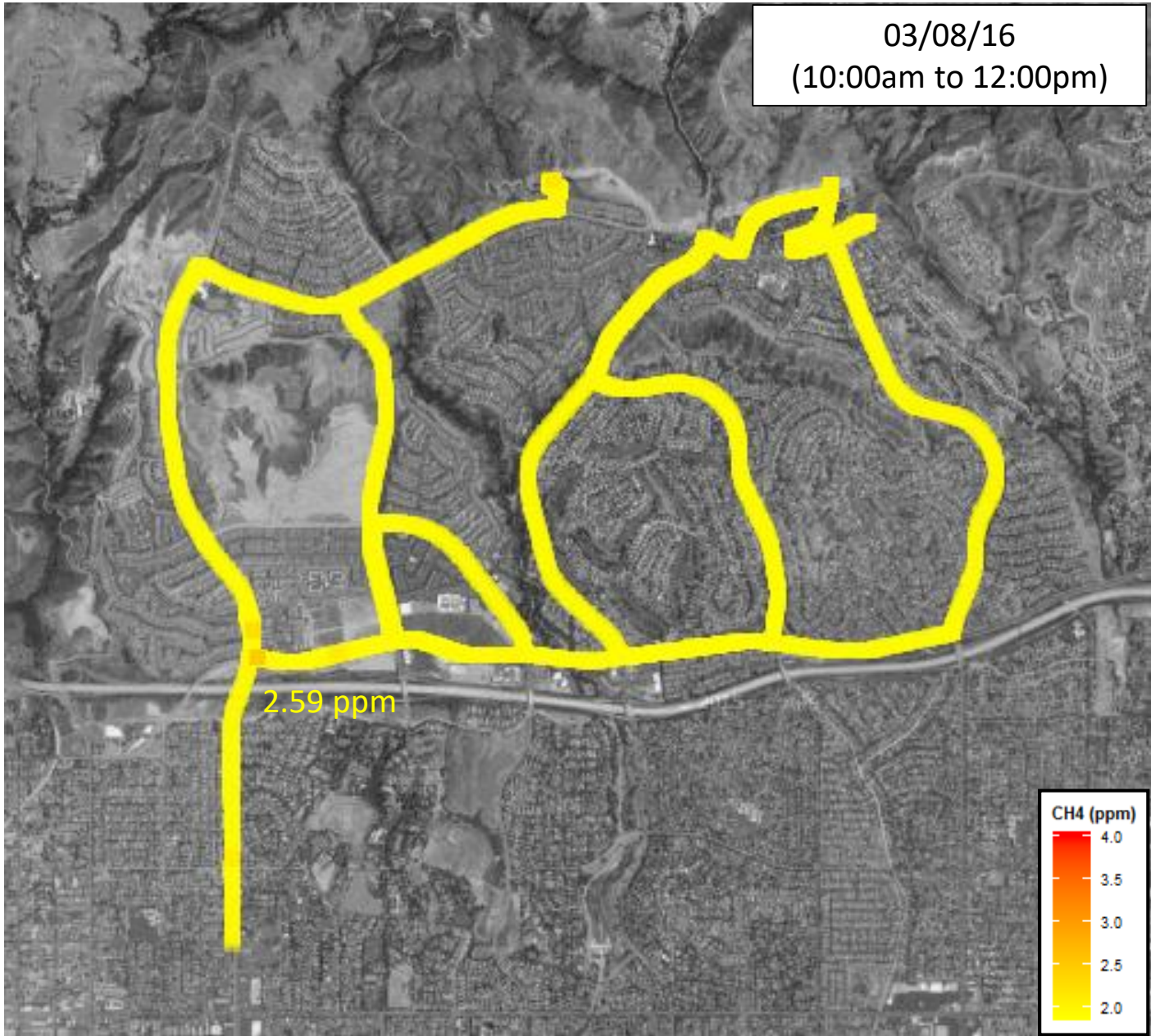
2.14 ppm



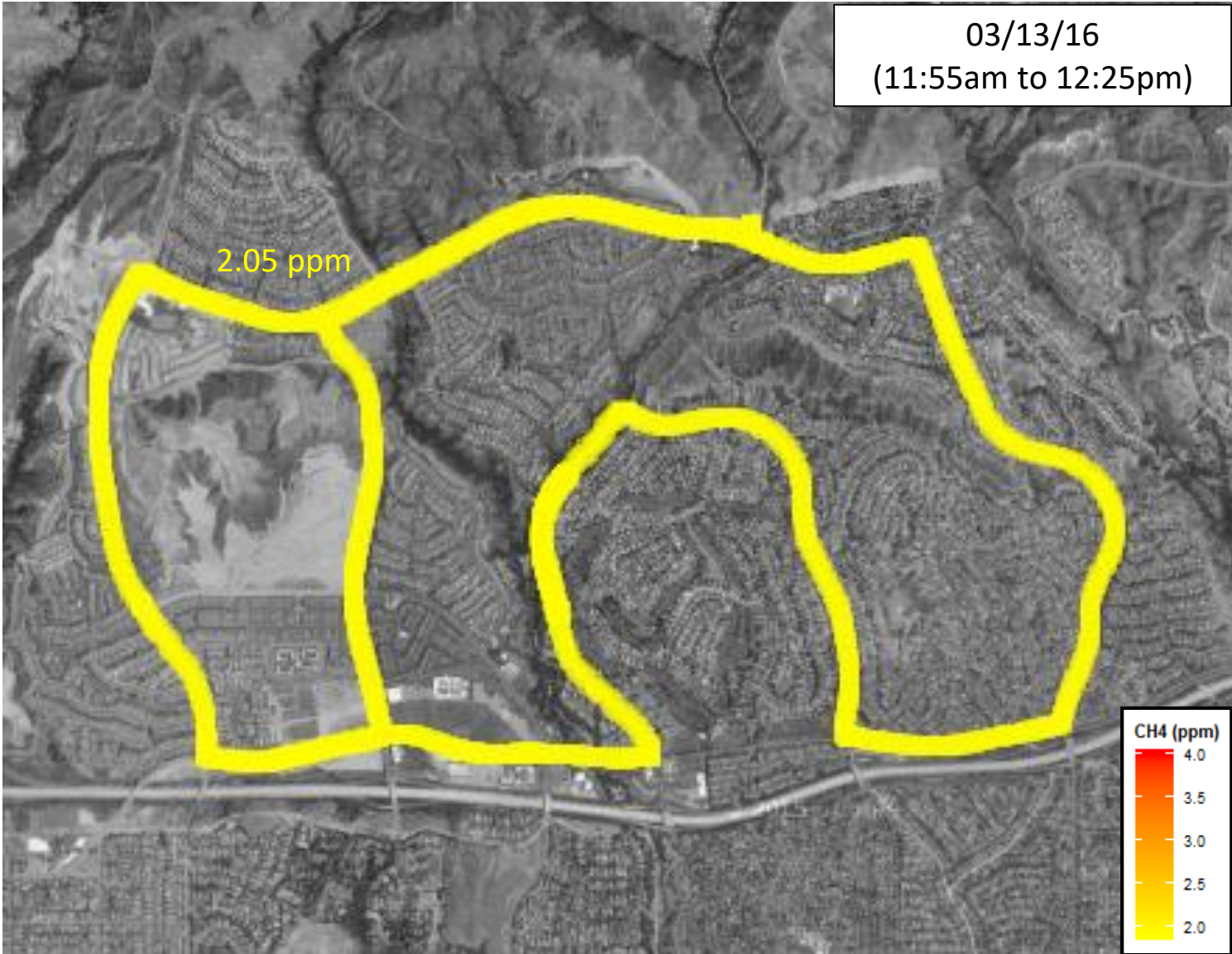
03/07/16
(11:45am to 12:20pm)



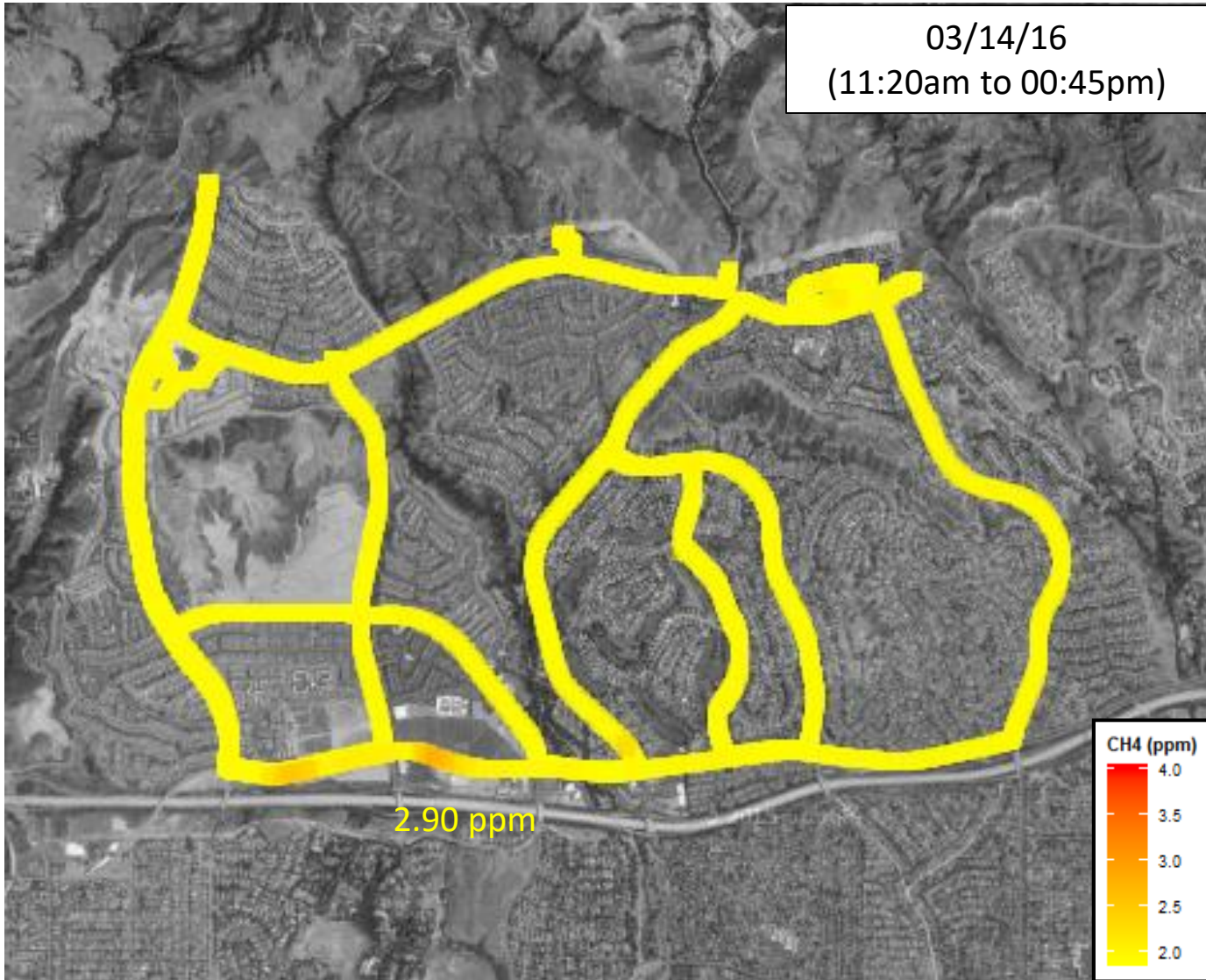
03/08/16
(10:00am to 12:00pm)



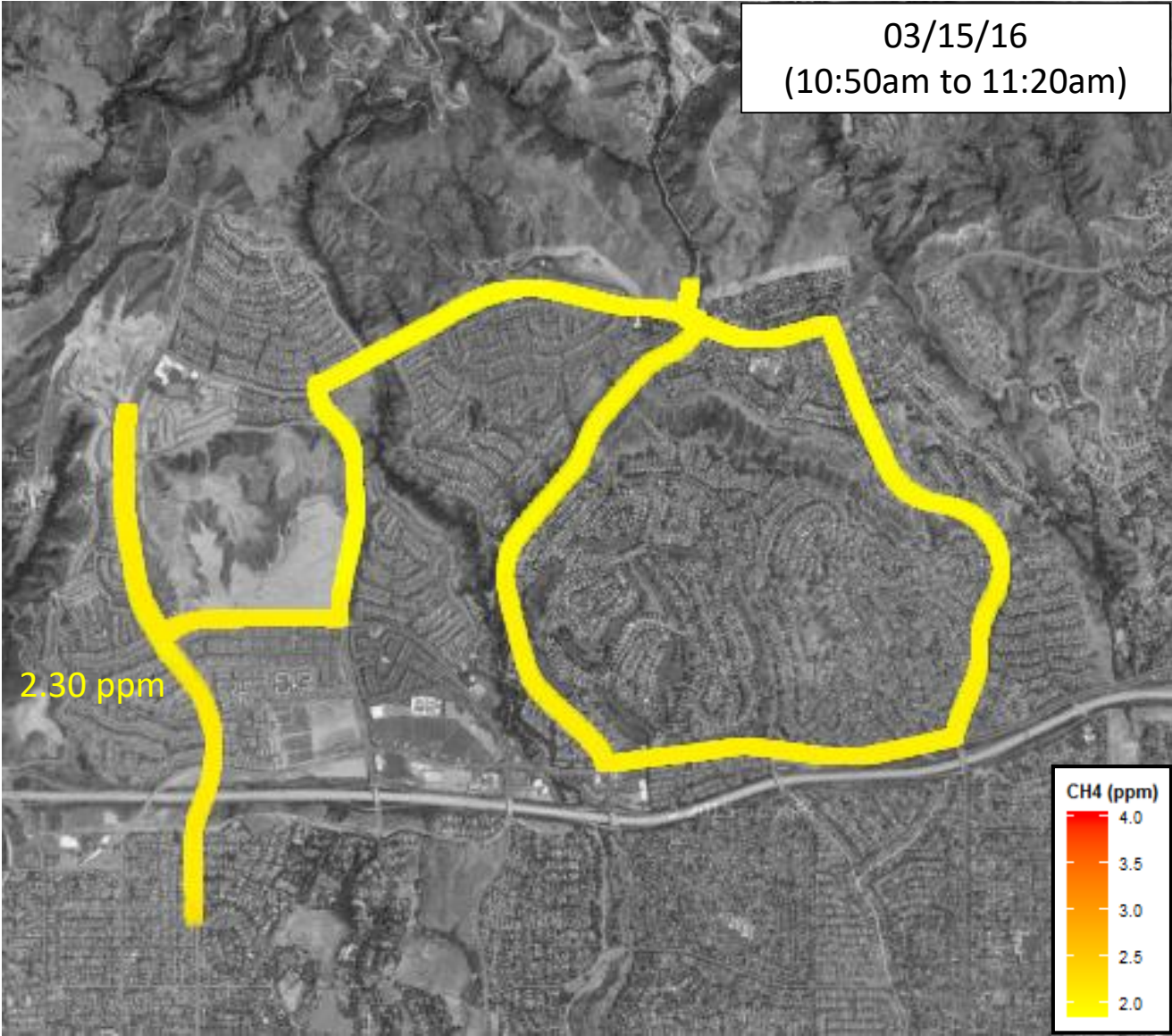
03/13/16
(11:55am to 12:25pm)



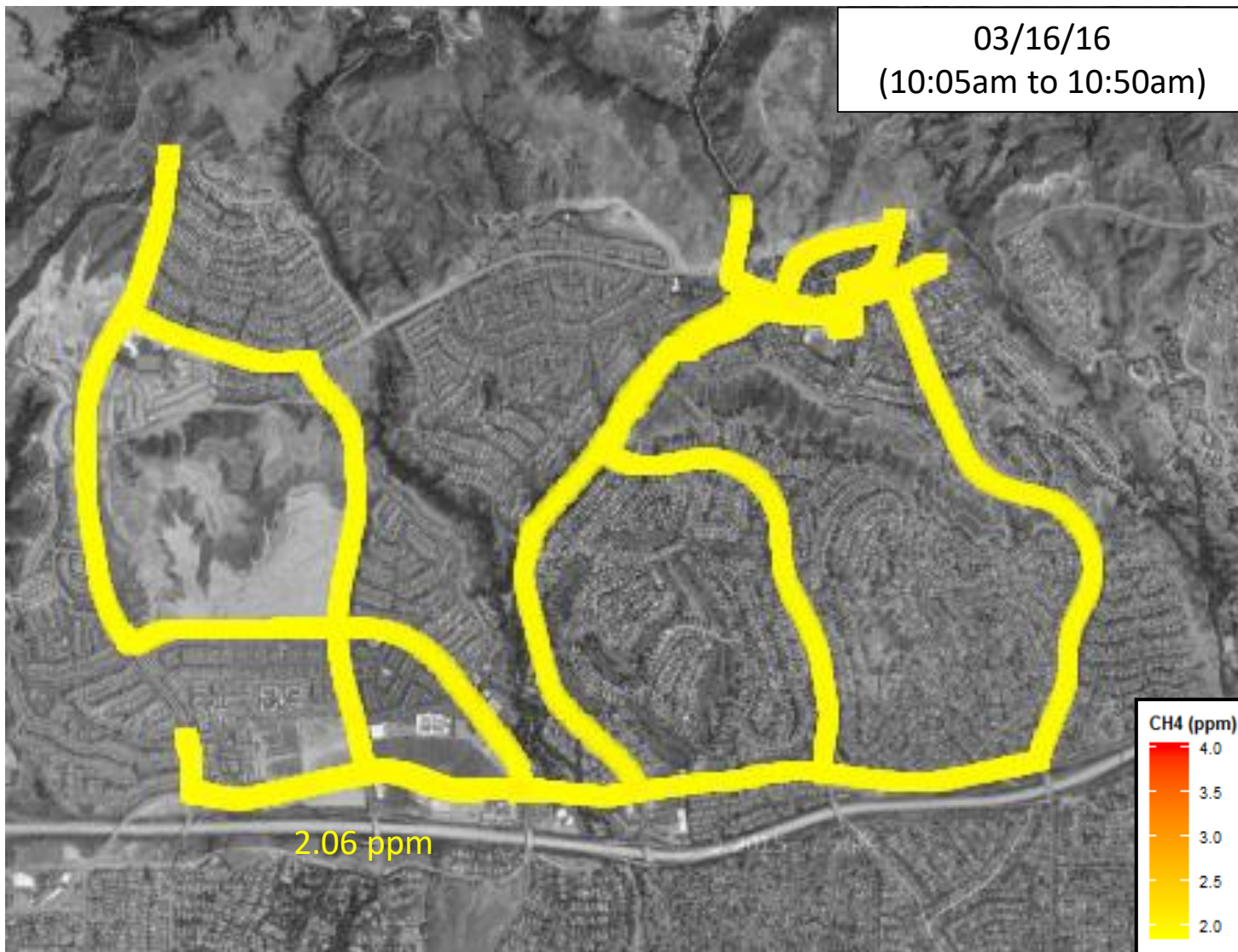
03/14/16
(11:20am to 00:45pm)



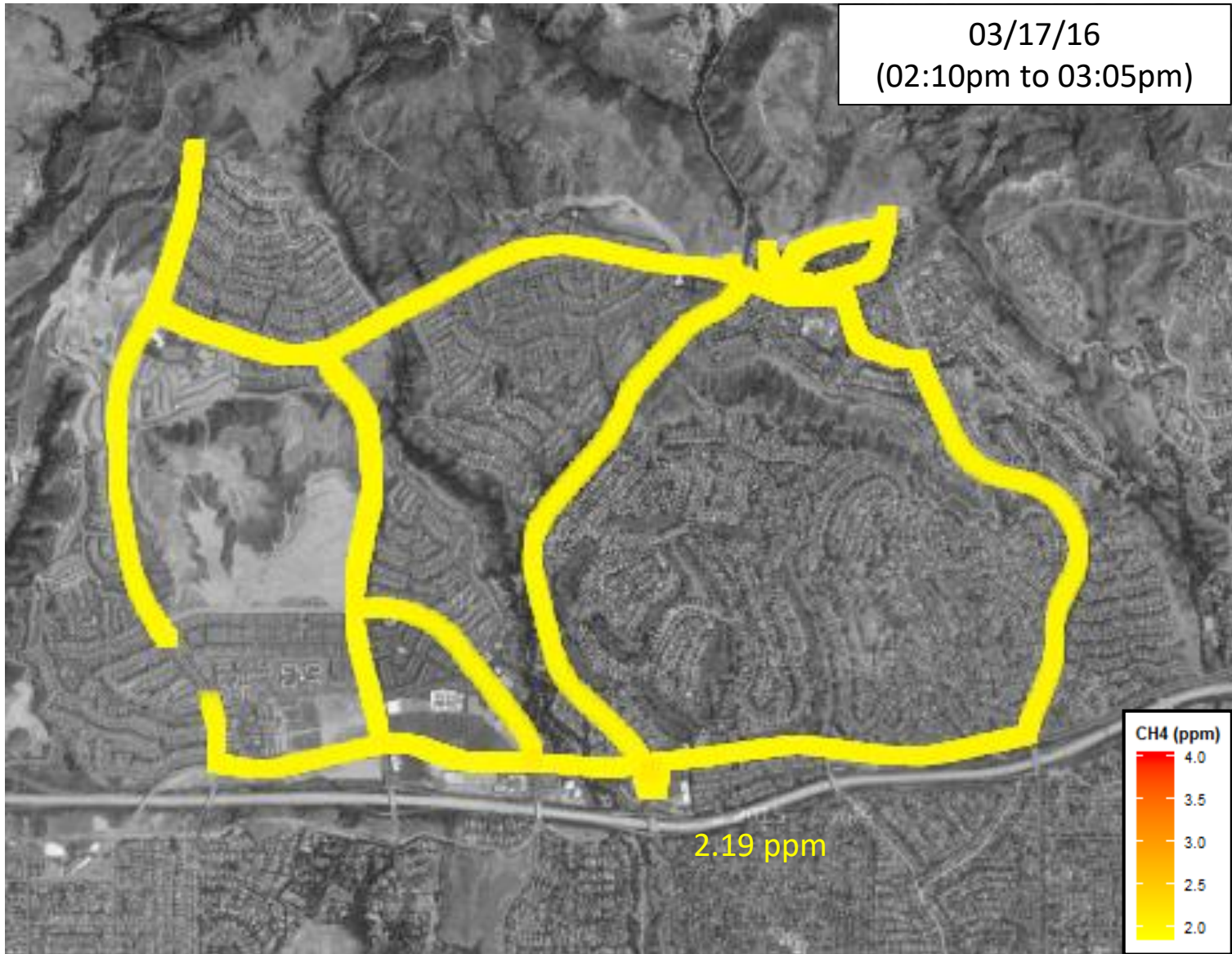
03/15/16
(10:50am to 11:20am)



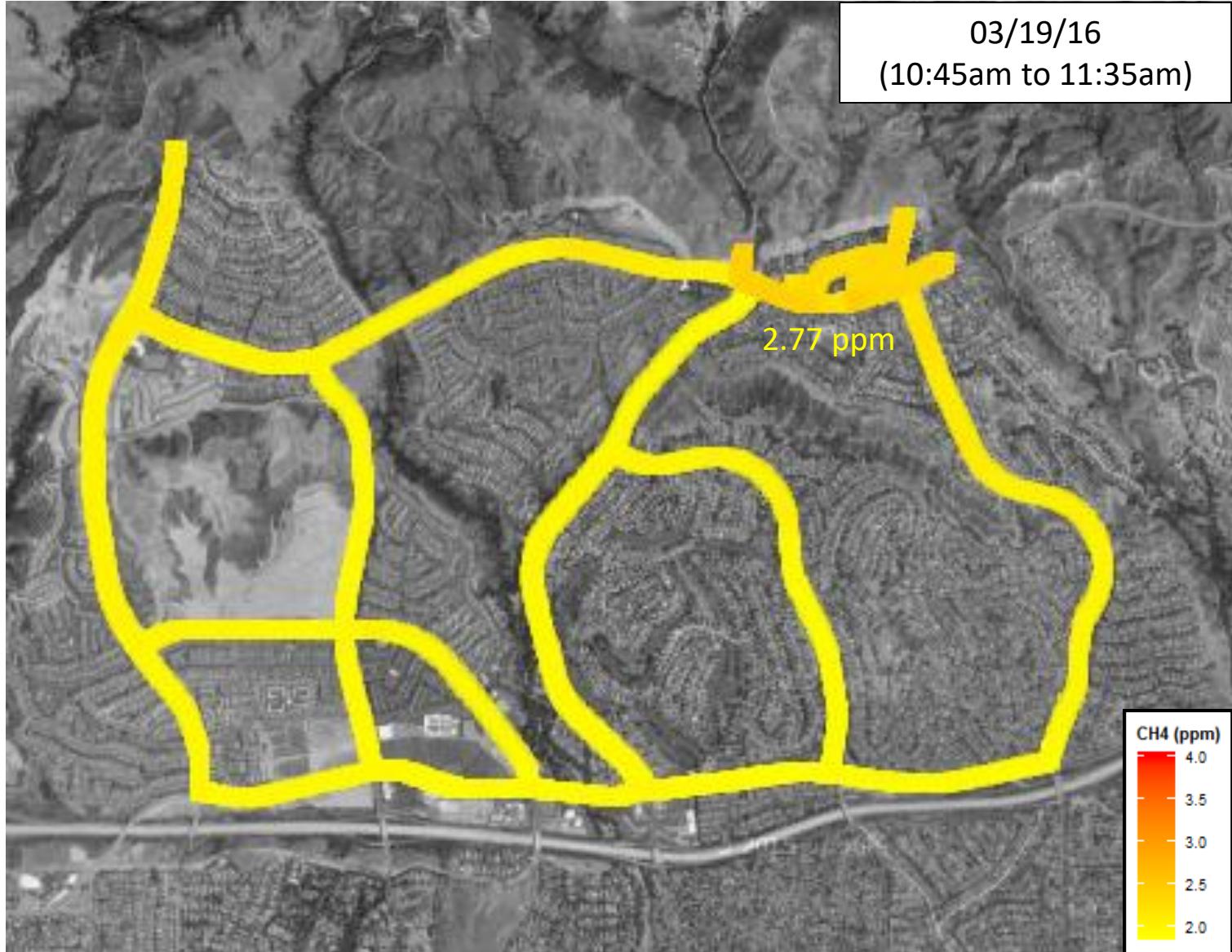
03/16/16
(10:05am to 10:50am)



03/17/16
(02:10pm to 03:05pm)

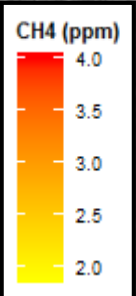
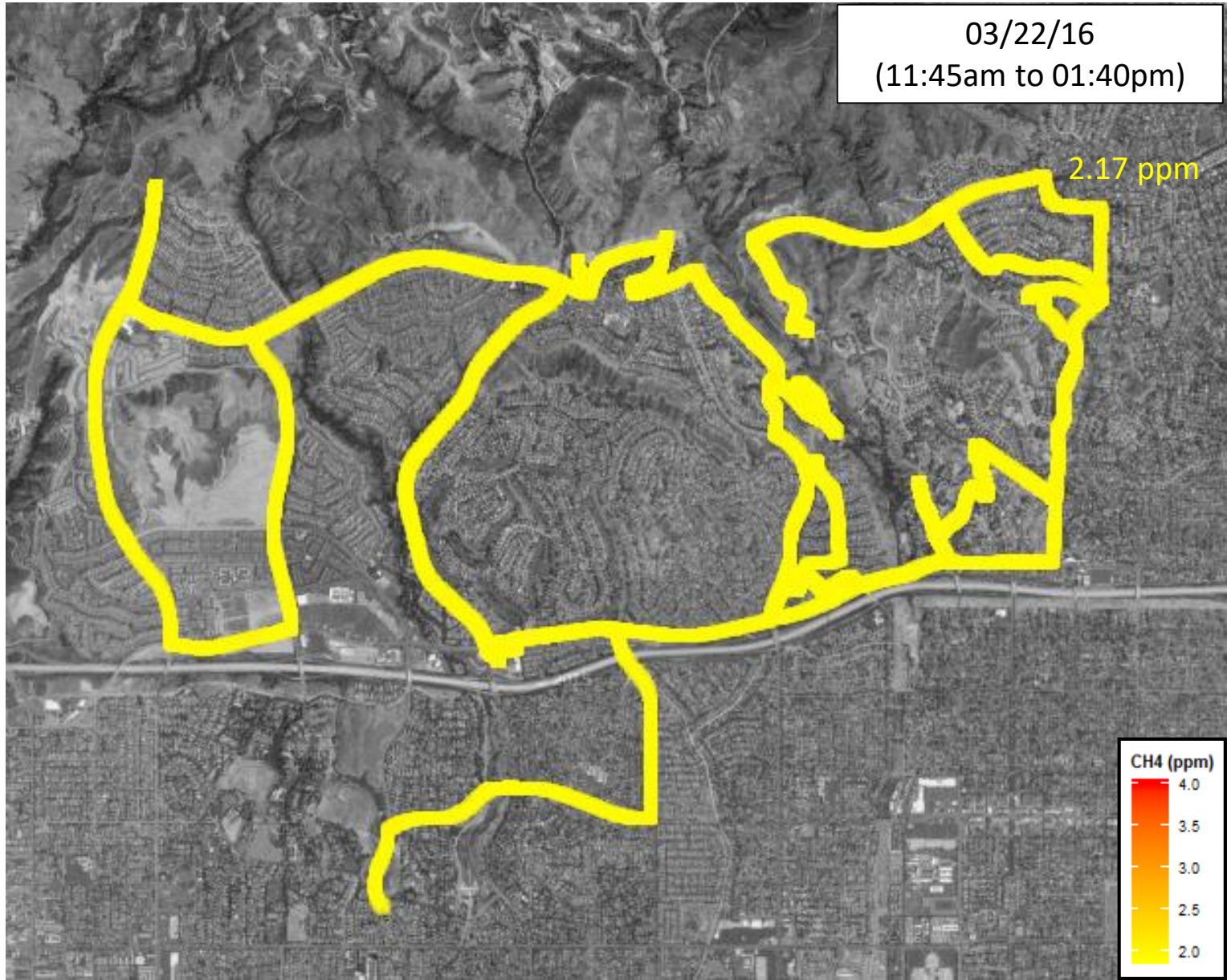


03/19/16
(10:45am to 11:35am)



03/22/16
(11:45am to 01:40pm)

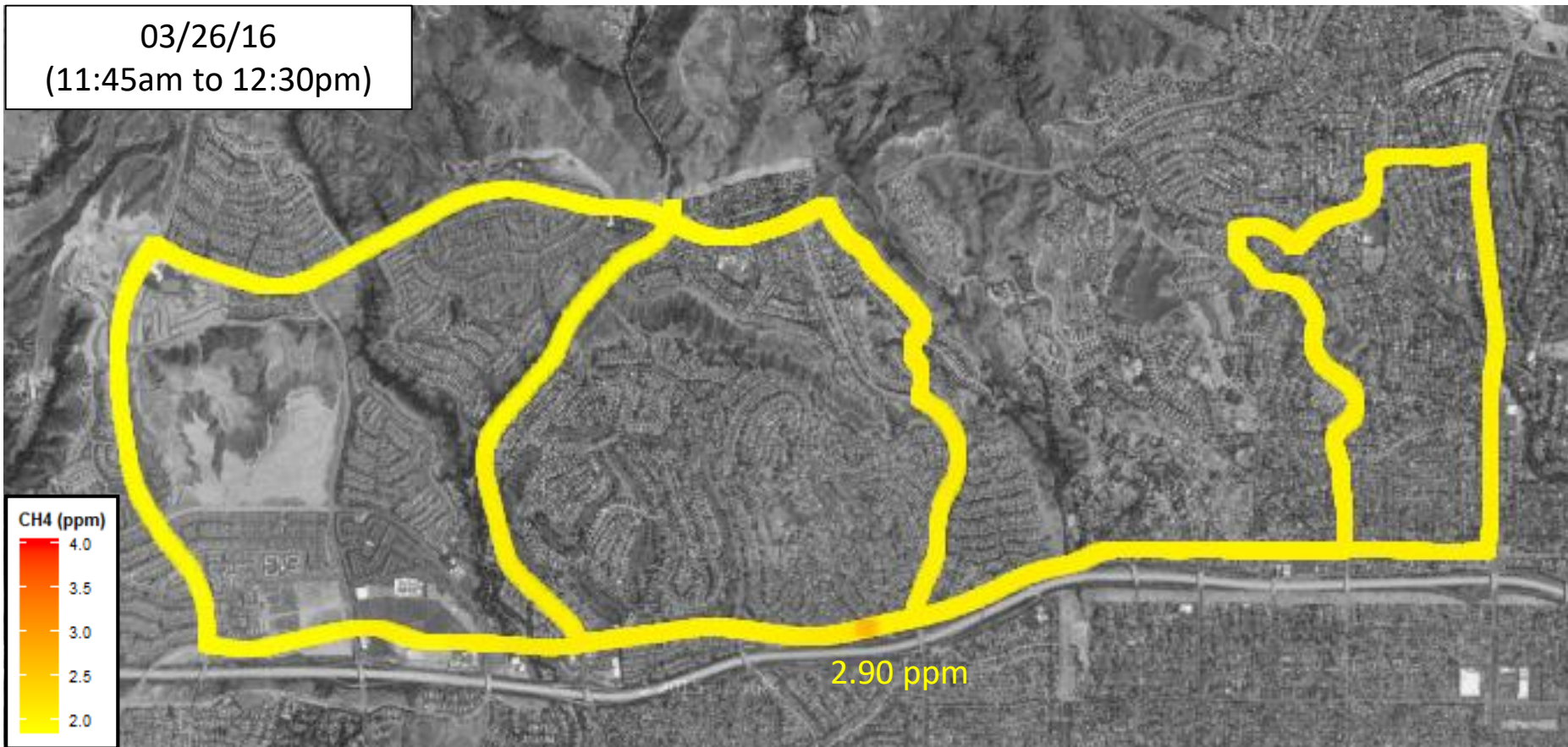
2.17 ppm



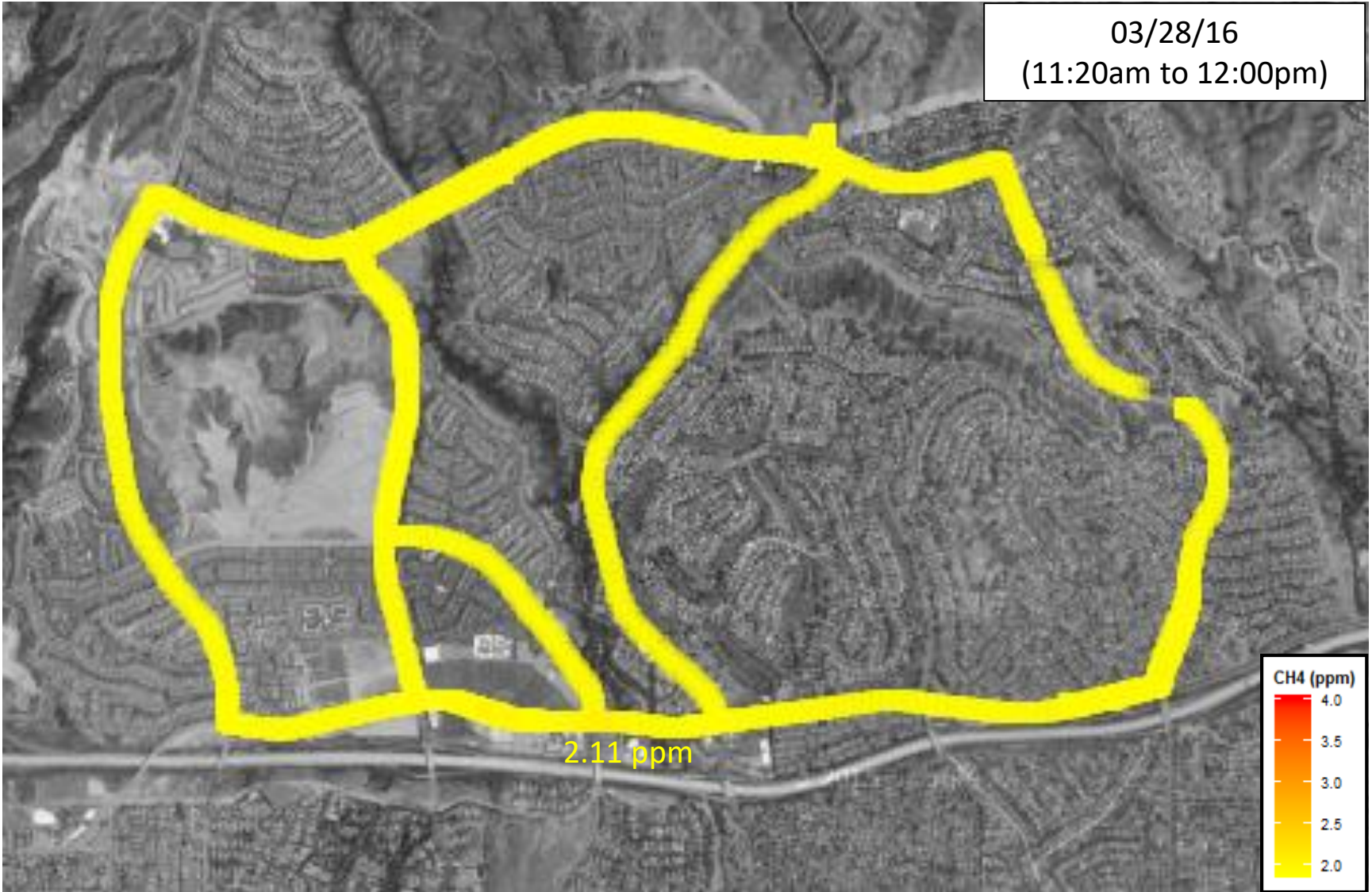
03/25/16
(11:25am to 02:00pm)



03/26/16
(11:45am to 12:30pm)

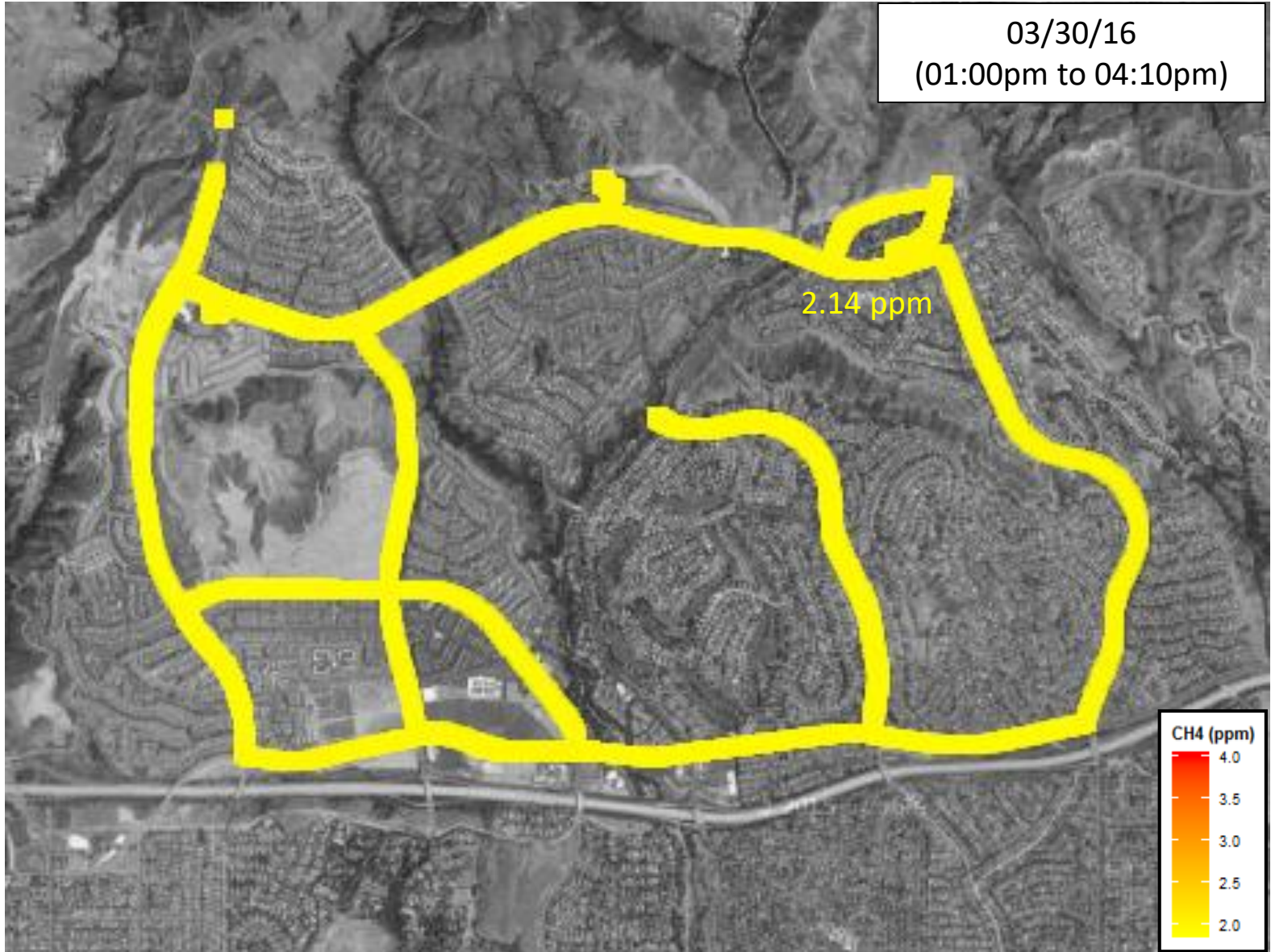
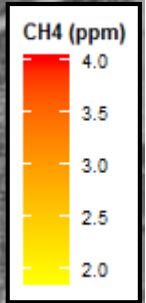


03/28/16
(11:20am to 12:00pm)



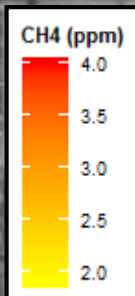
03/30/16
(01:00pm to 04:10pm)

2.14 ppm



03/31/16
(12:20pm to 01:25pm)

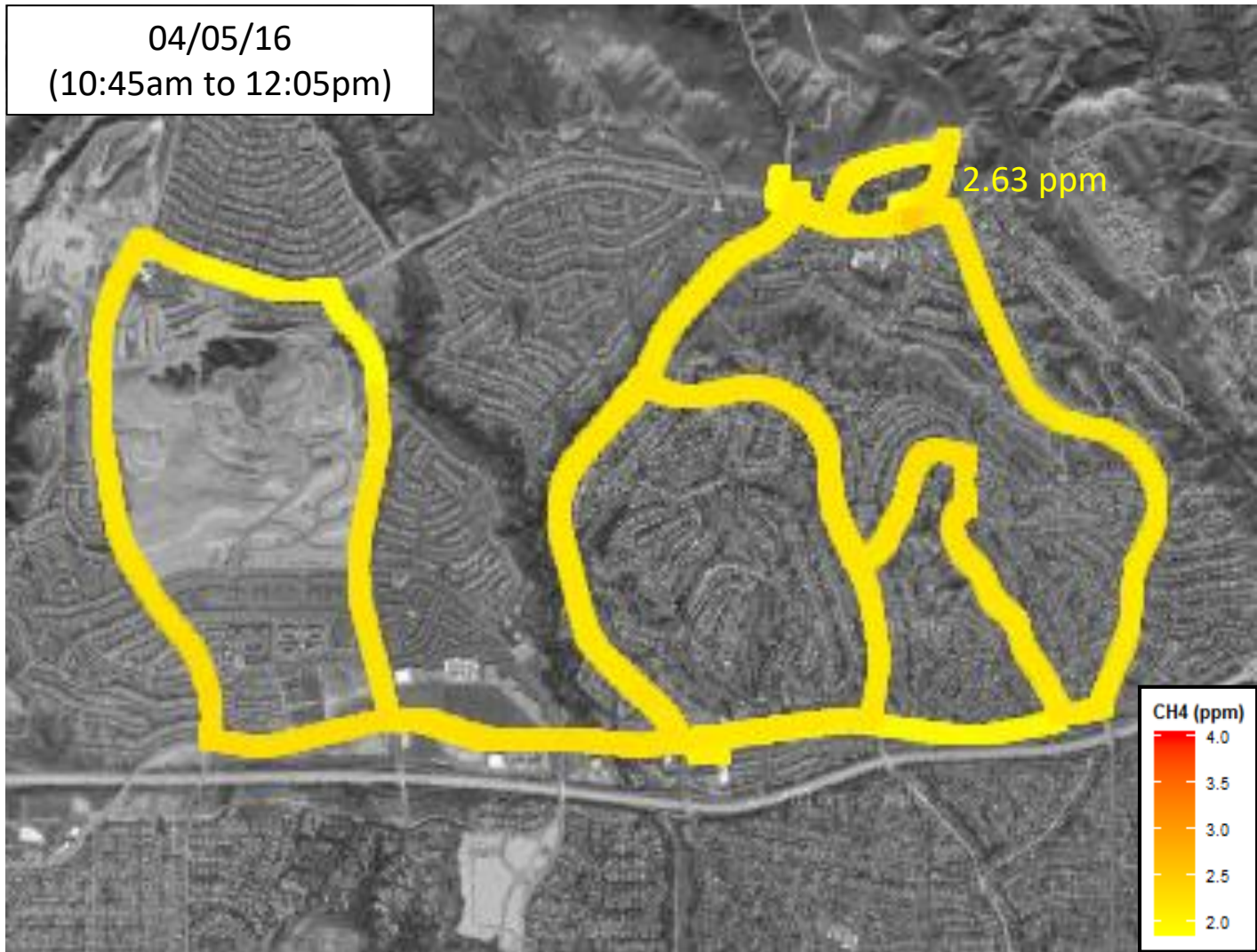
2.07 ppm



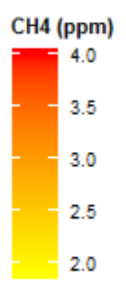
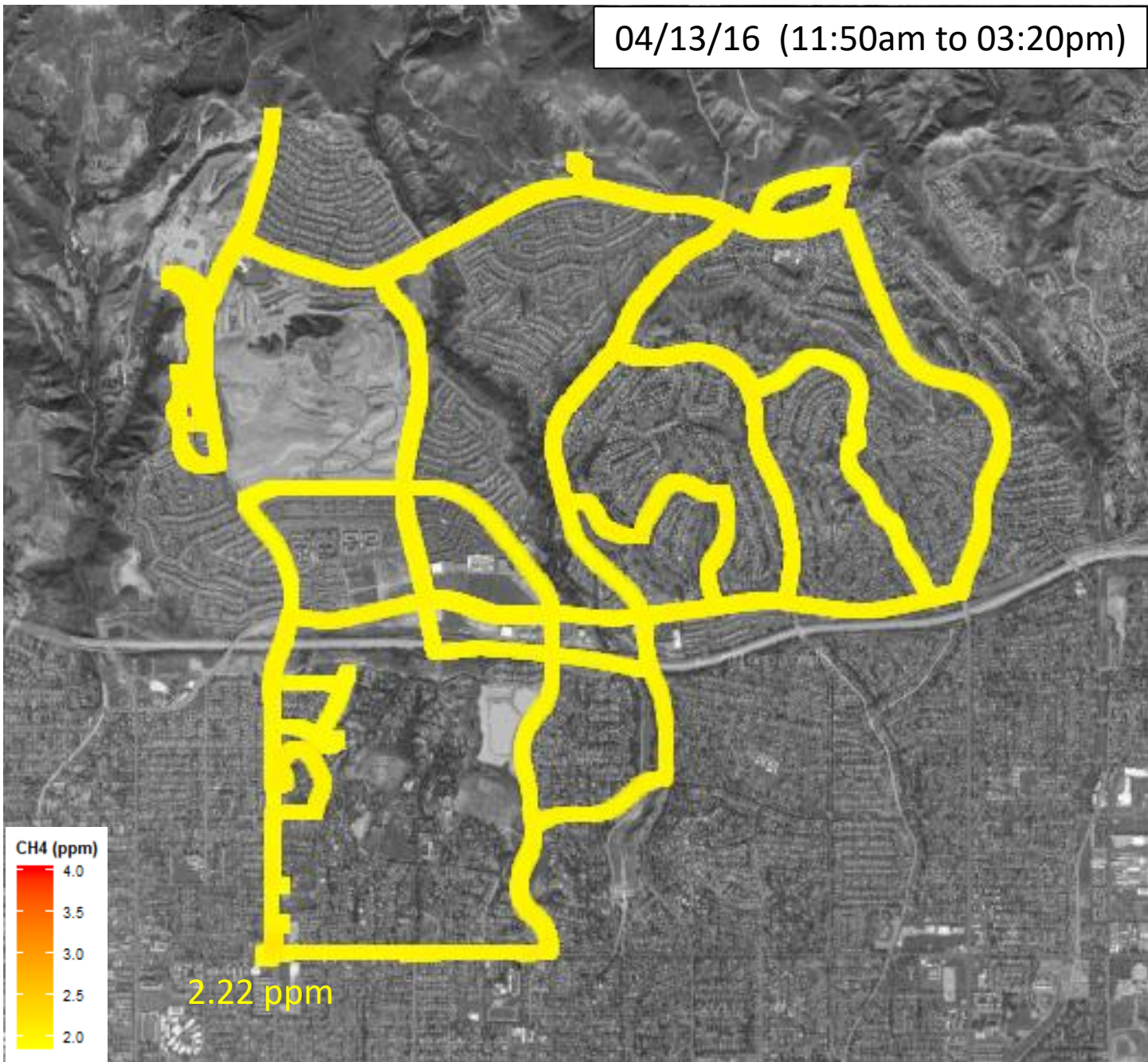
04/03/16
(10:25am to 11:00am)



04/05/16
(10:45am to 12:05pm)

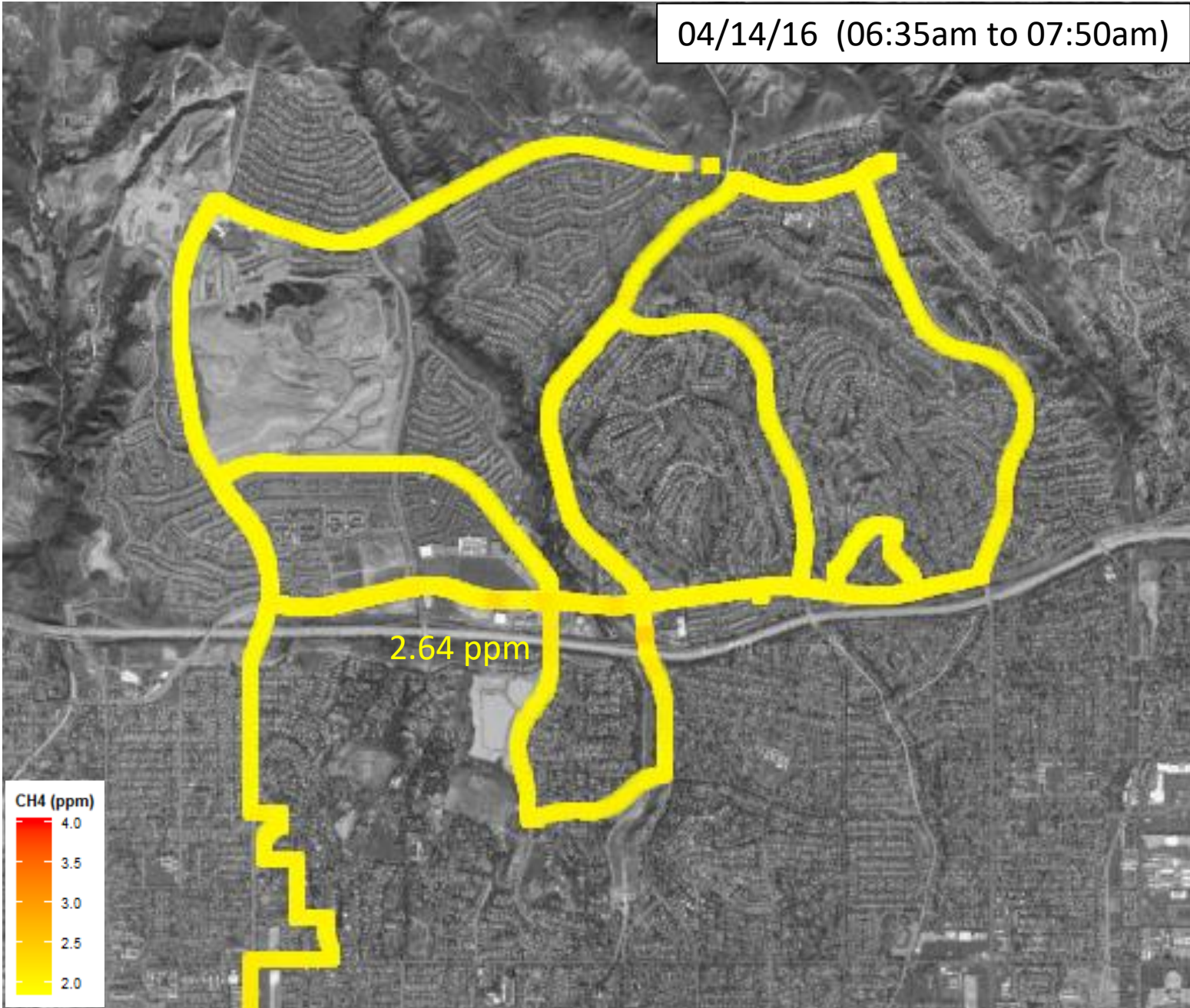


04/13/16 (11:50am to 03:20pm)



2.22 ppm

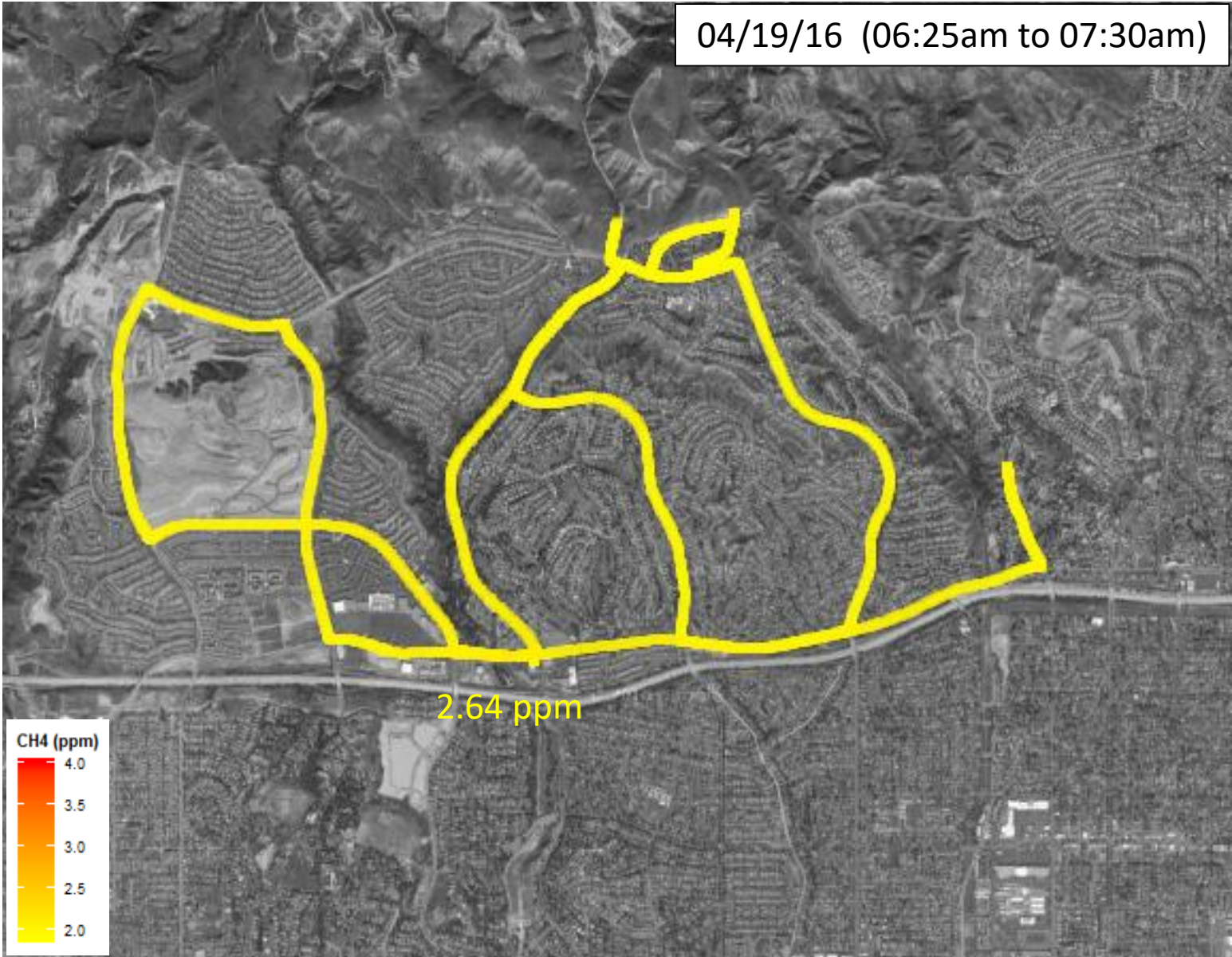
04/14/16 (06:35am to 07:50am)



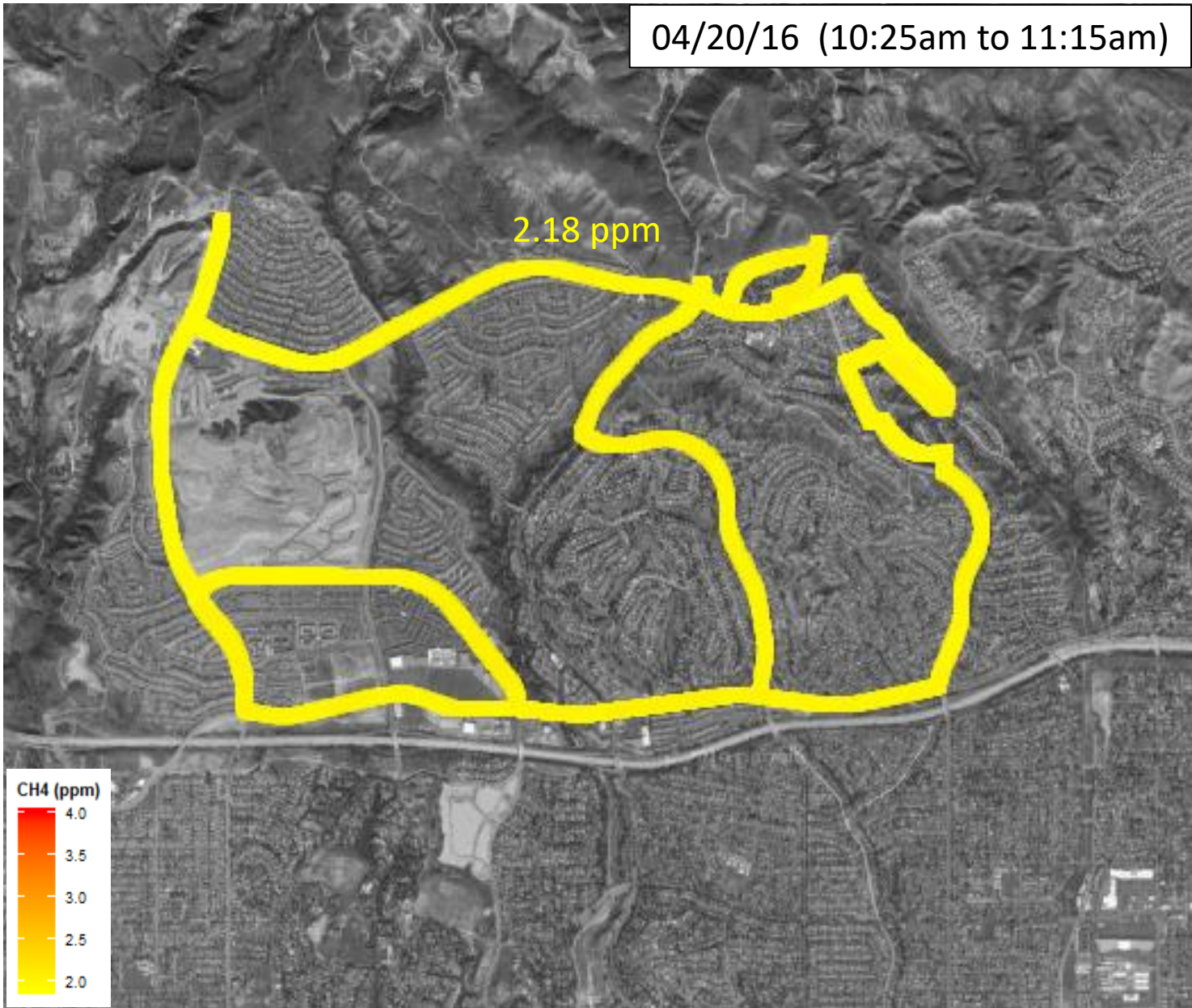
04/16/16 (01:00pm to 01:50pm)



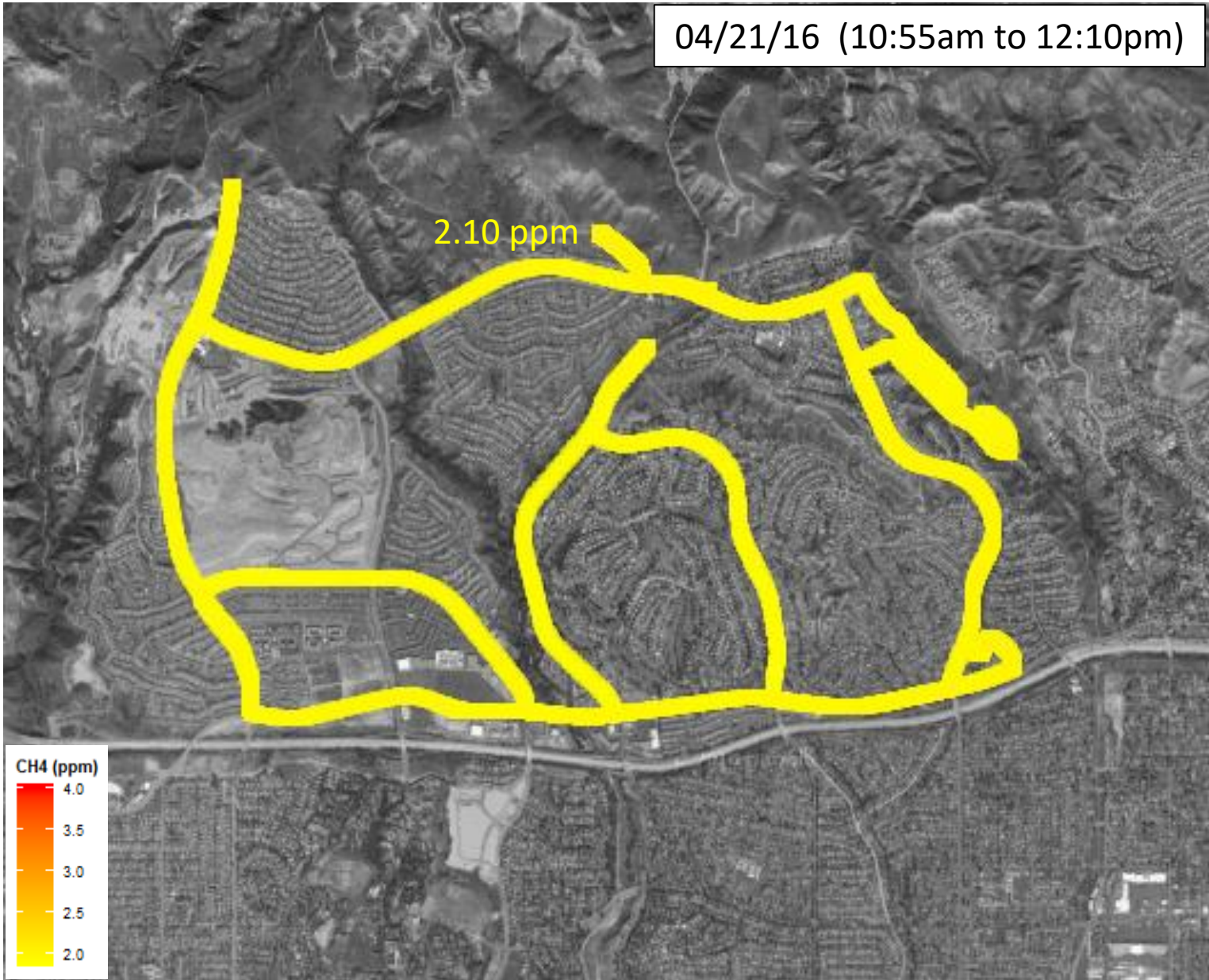
04/19/16 (06:25am to 07:30am)



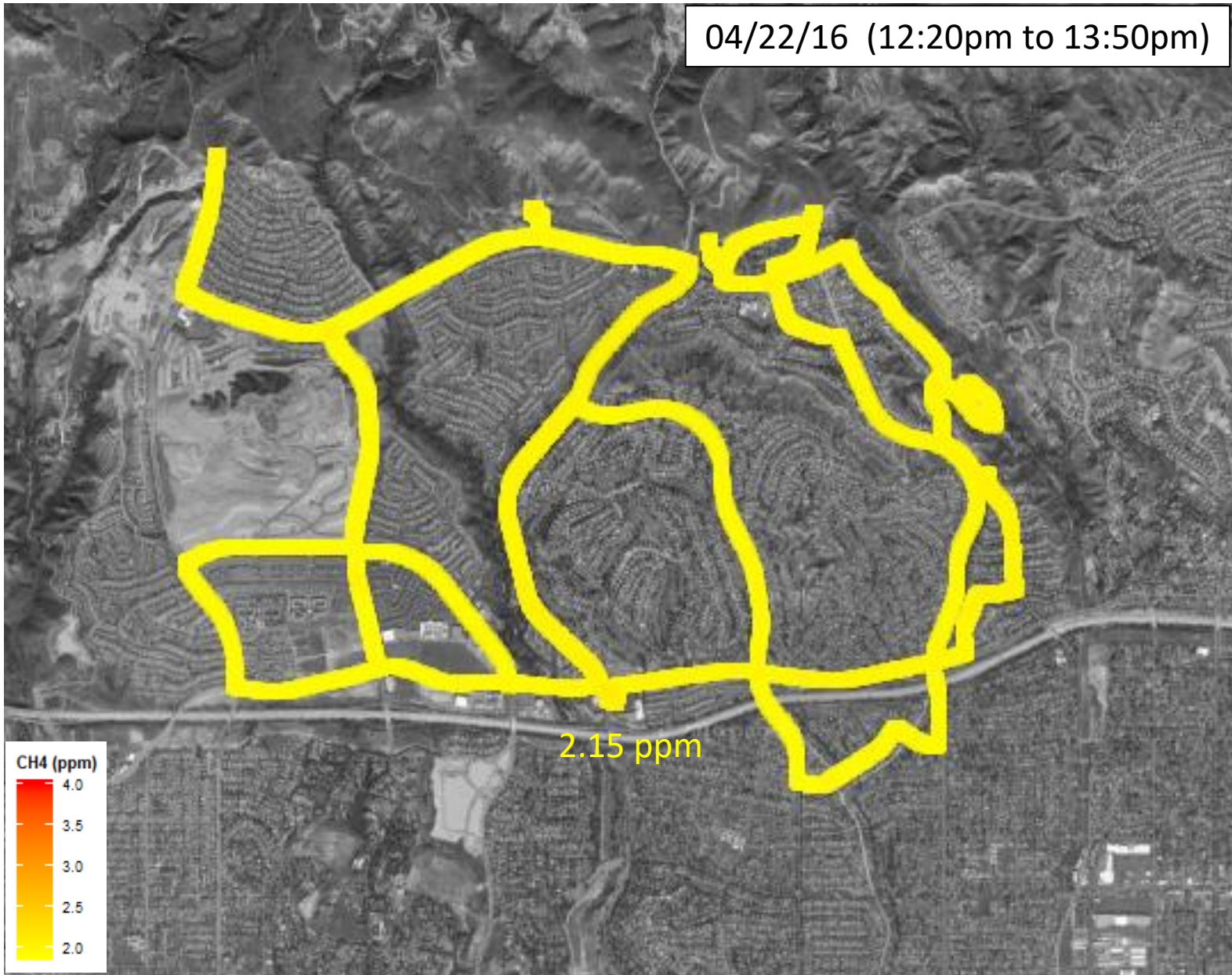
04/20/16 (10:25am to 11:15am)



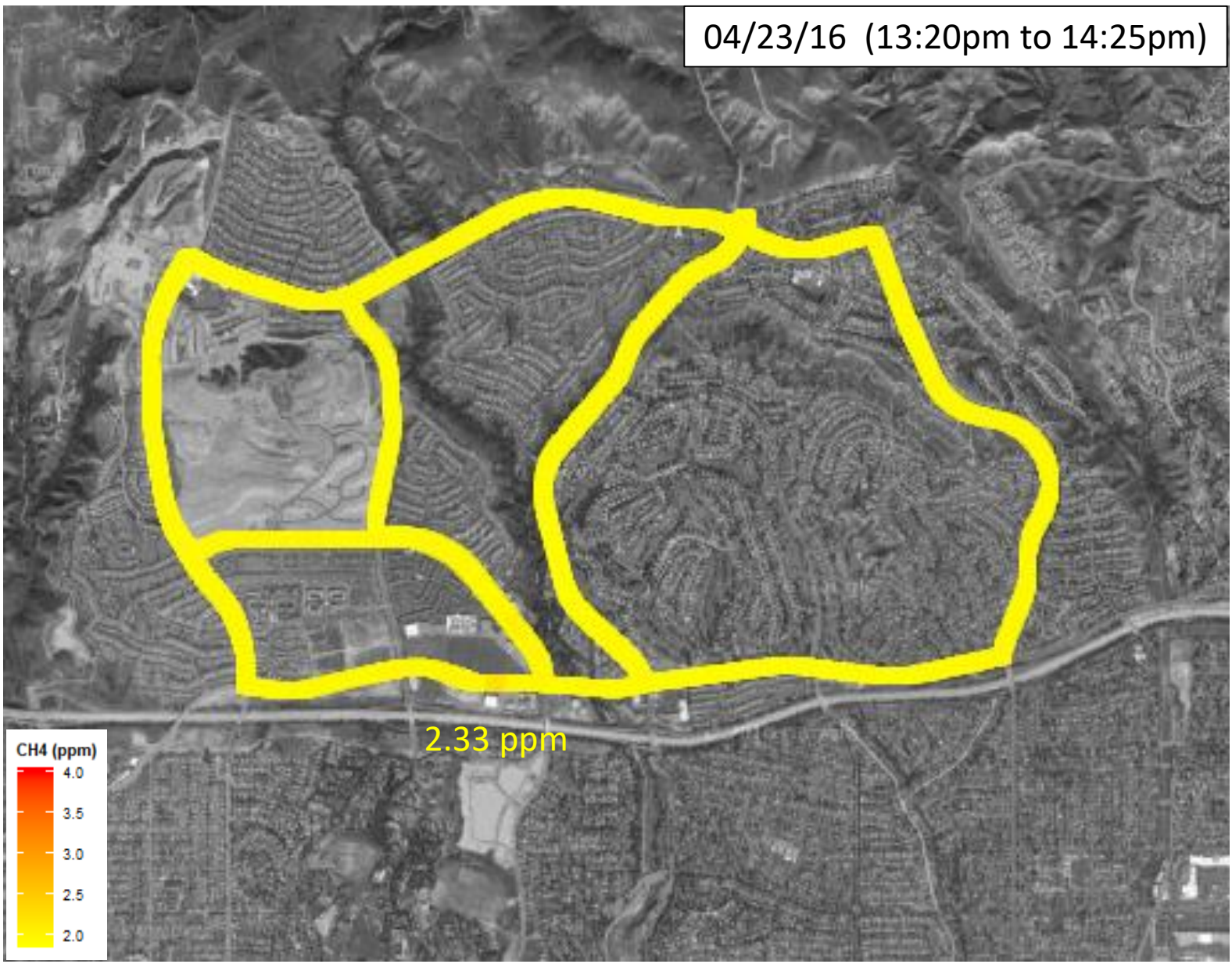
04/21/16 (10:55am to 12:10pm)



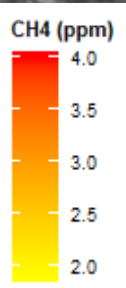
04/22/16 (12:20pm to 13:50pm)



04/23/16 (13:20pm to 14:25pm)



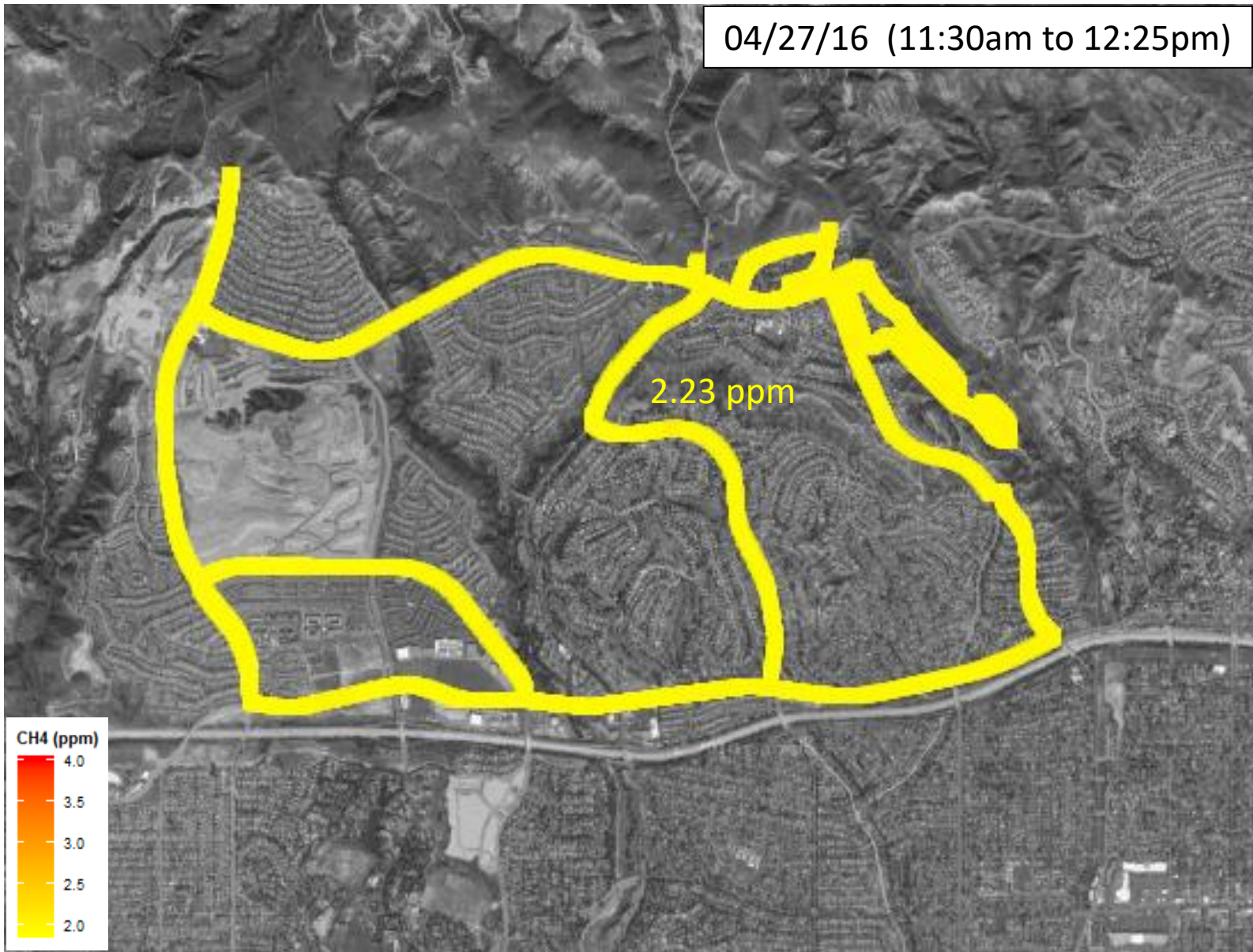
2.33 ppm



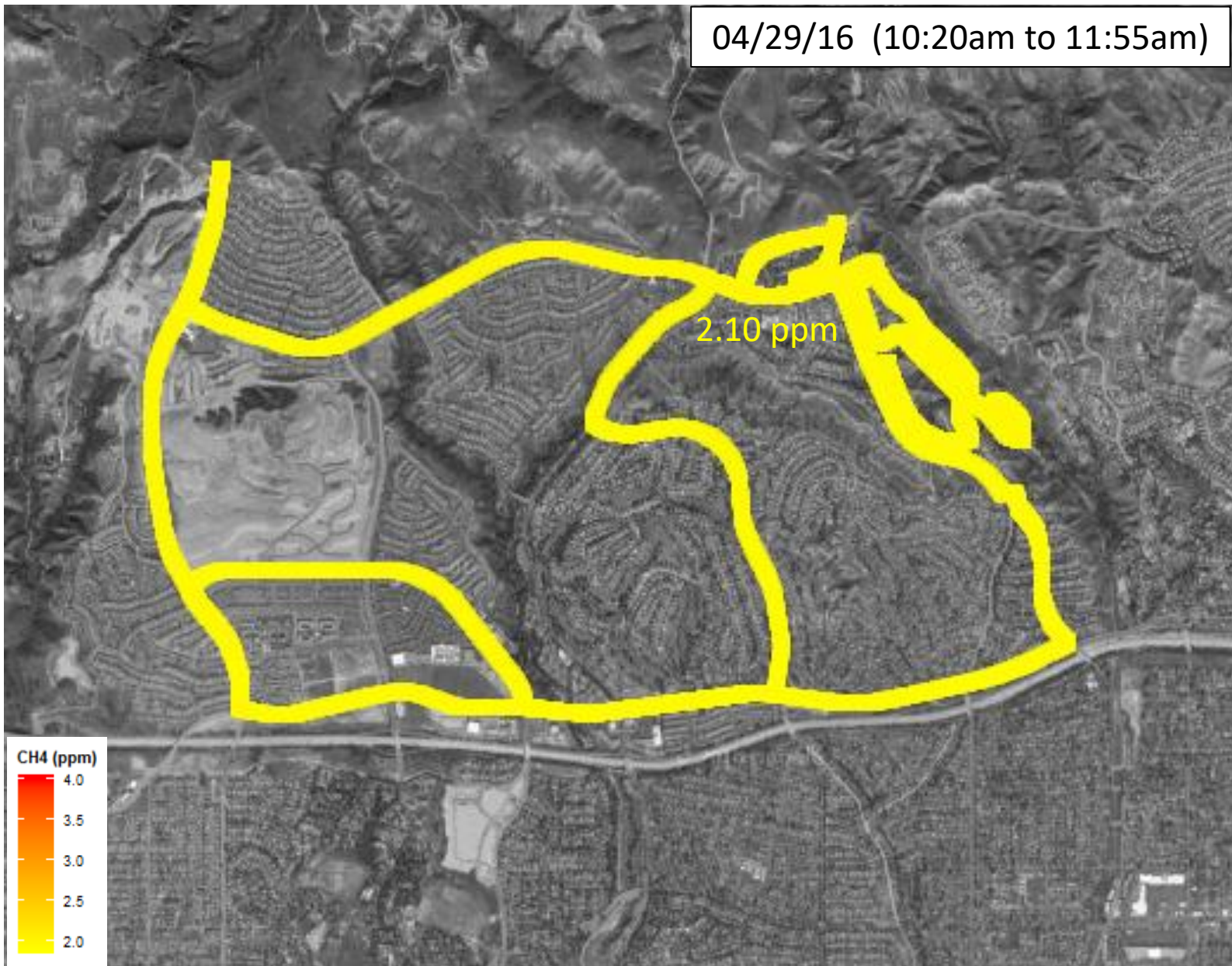
04/26/16 (07:50am to 08:50am)



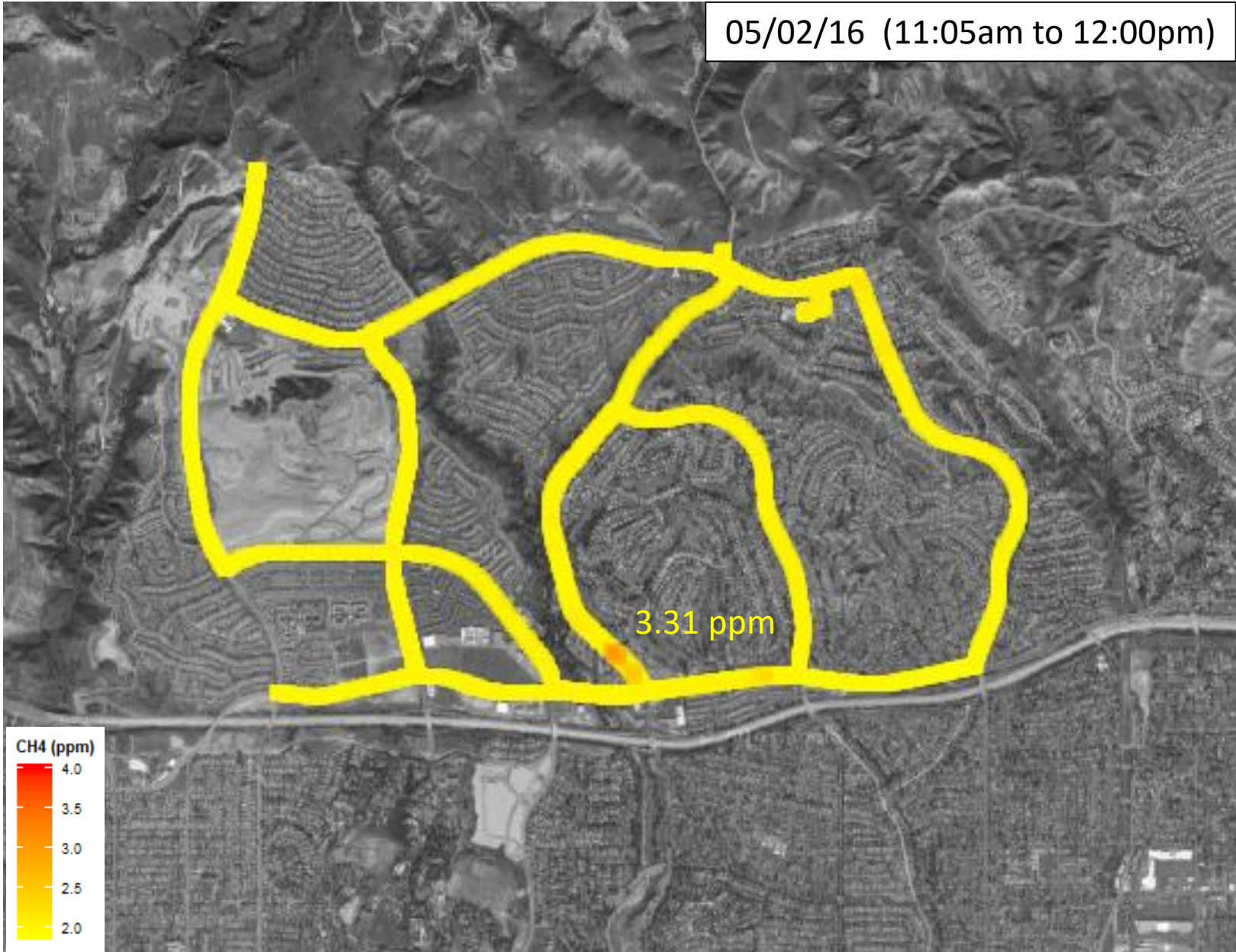
04/27/16 (11:30am to 12:25pm)



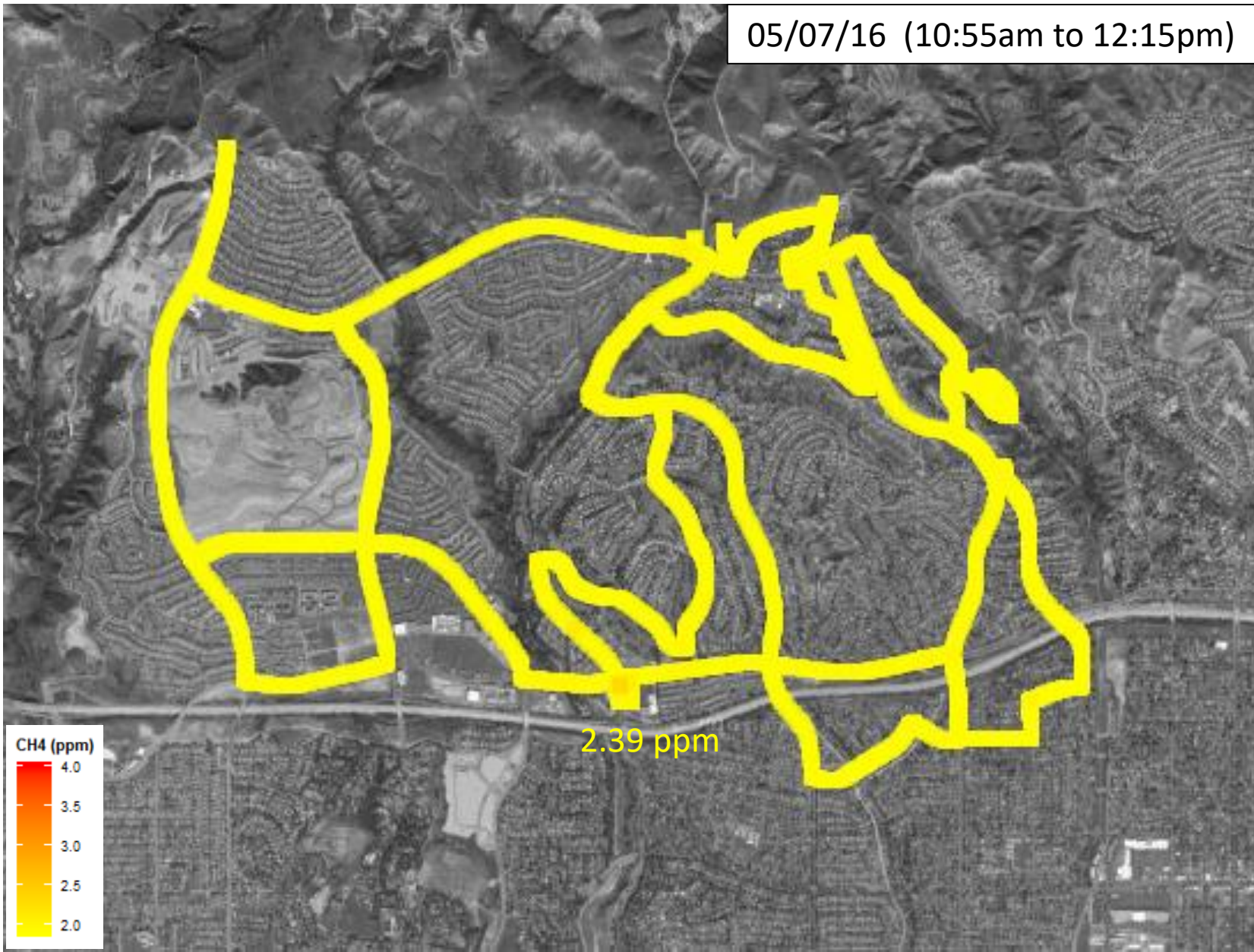
04/29/16 (10:20am to 11:55am)



05/02/16 (11:05am to 12:00pm)

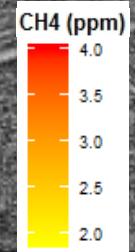


05/07/16 (10:55am to 12:15pm)

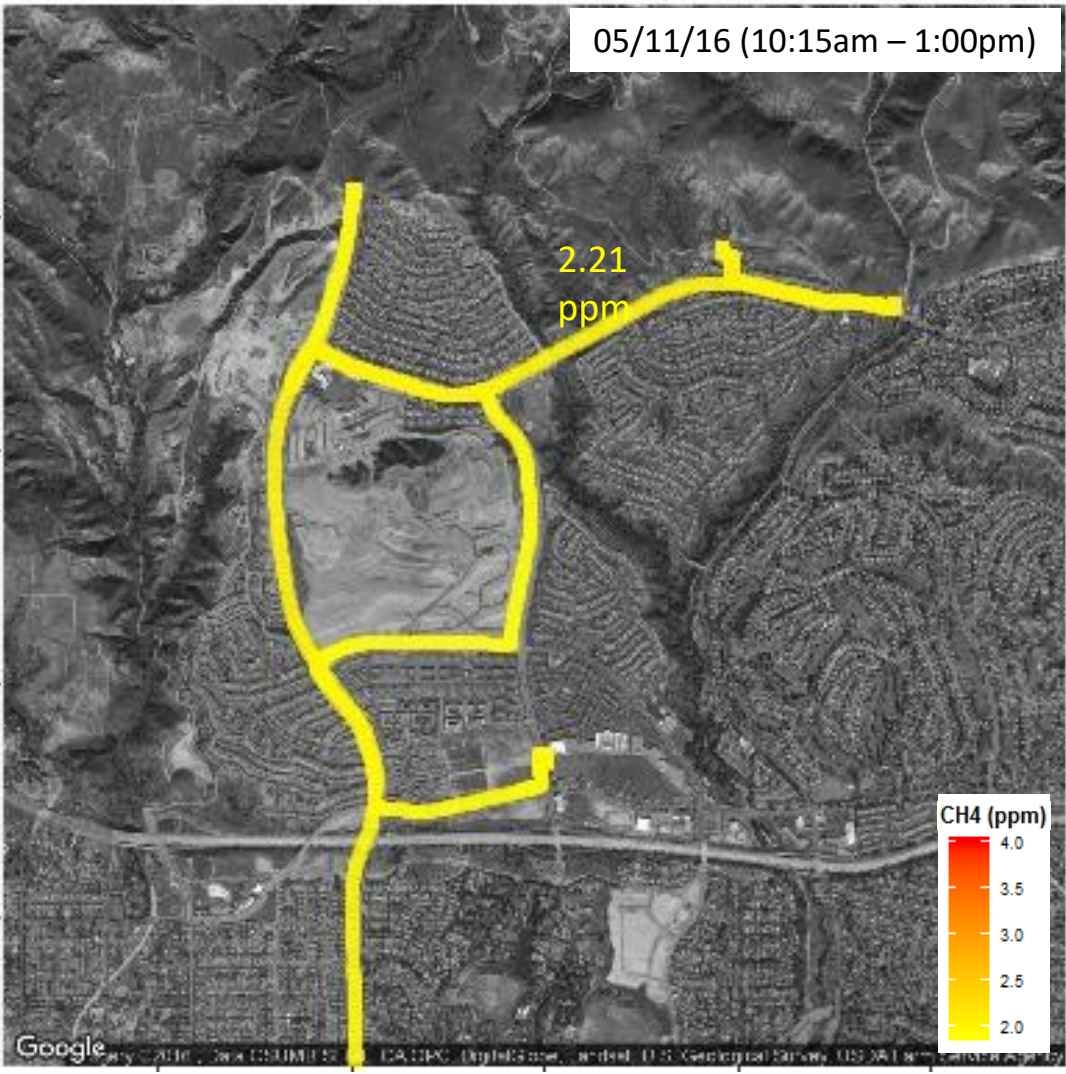


05/11/16 (10:15am - 1:00pm)

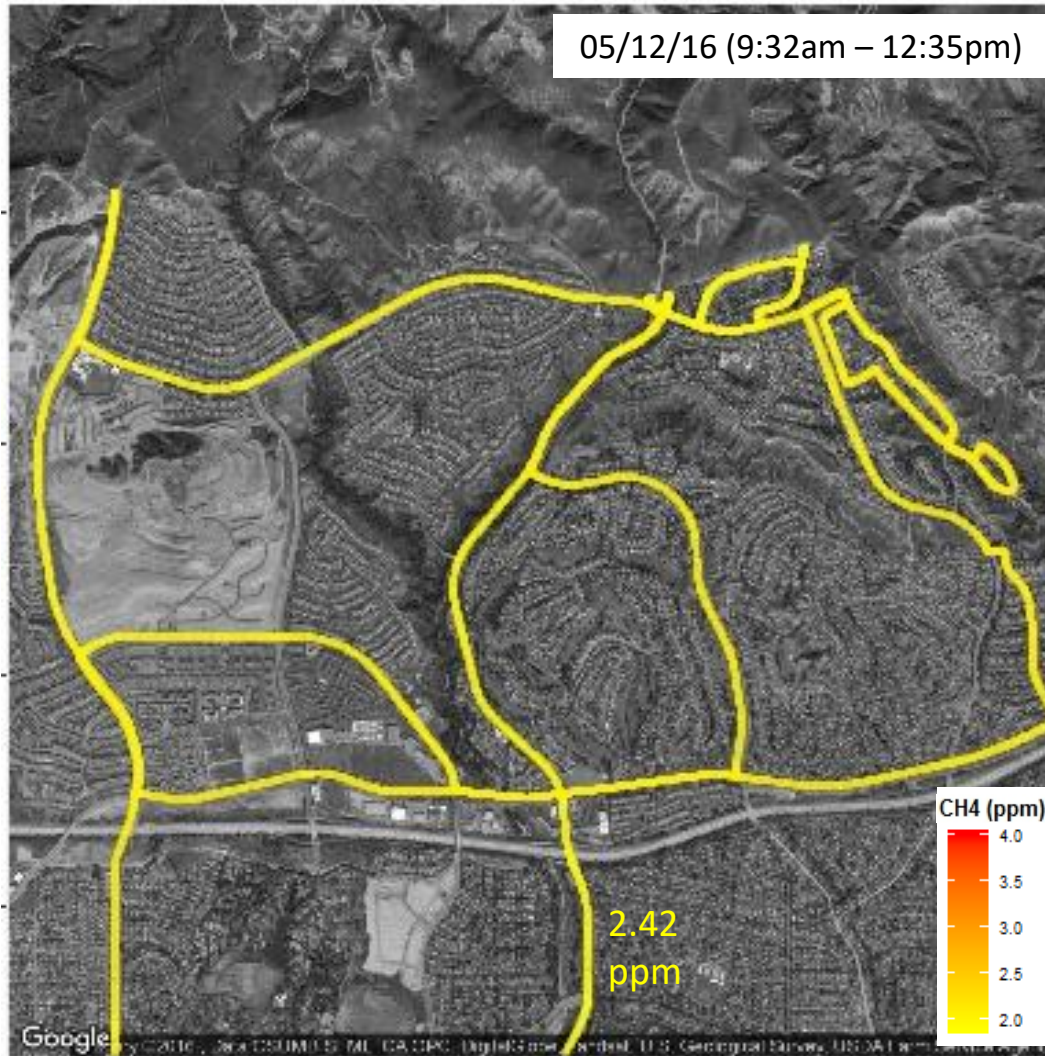
2.21
ppm



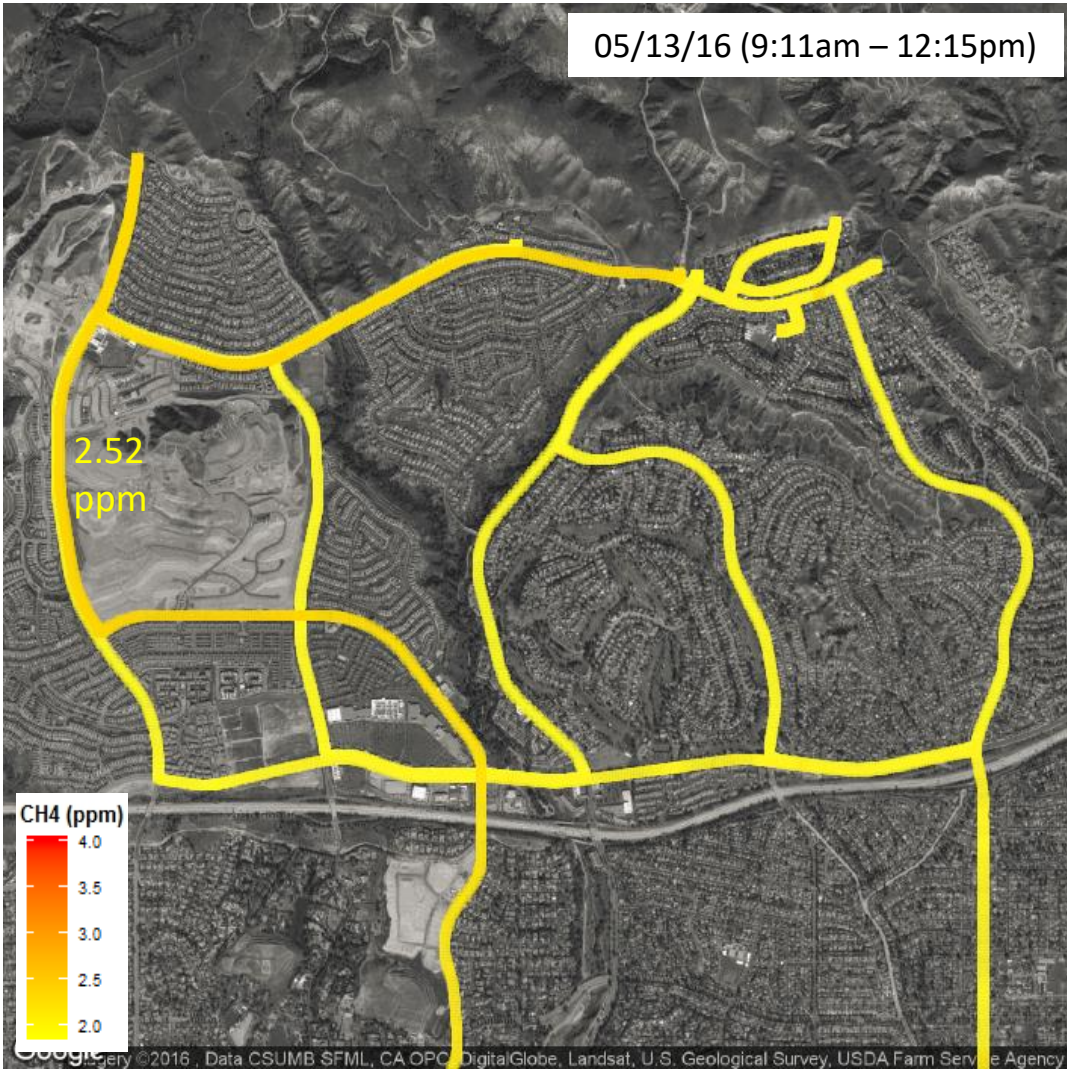
Google



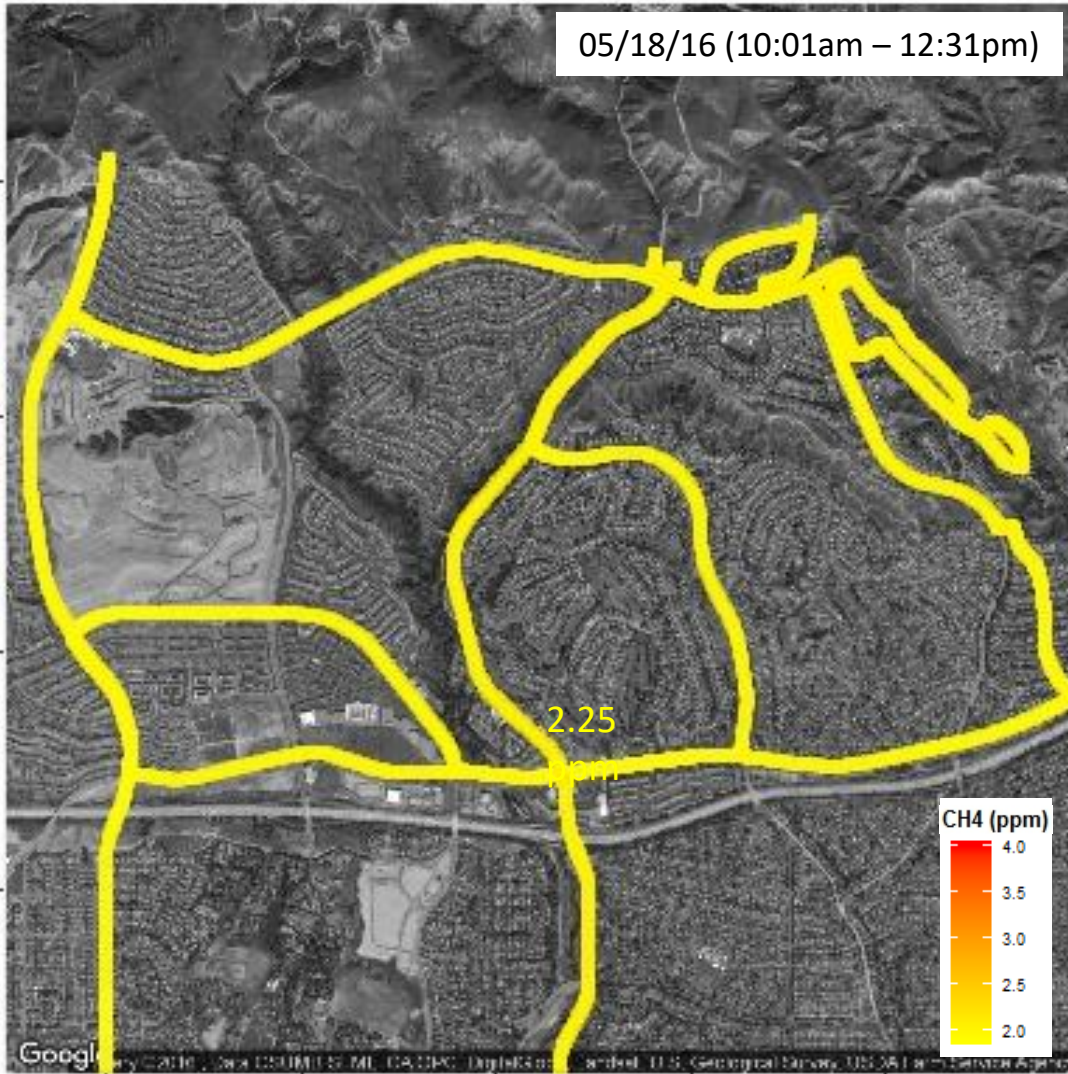
05/12/16 (9:32am – 12:35pm)



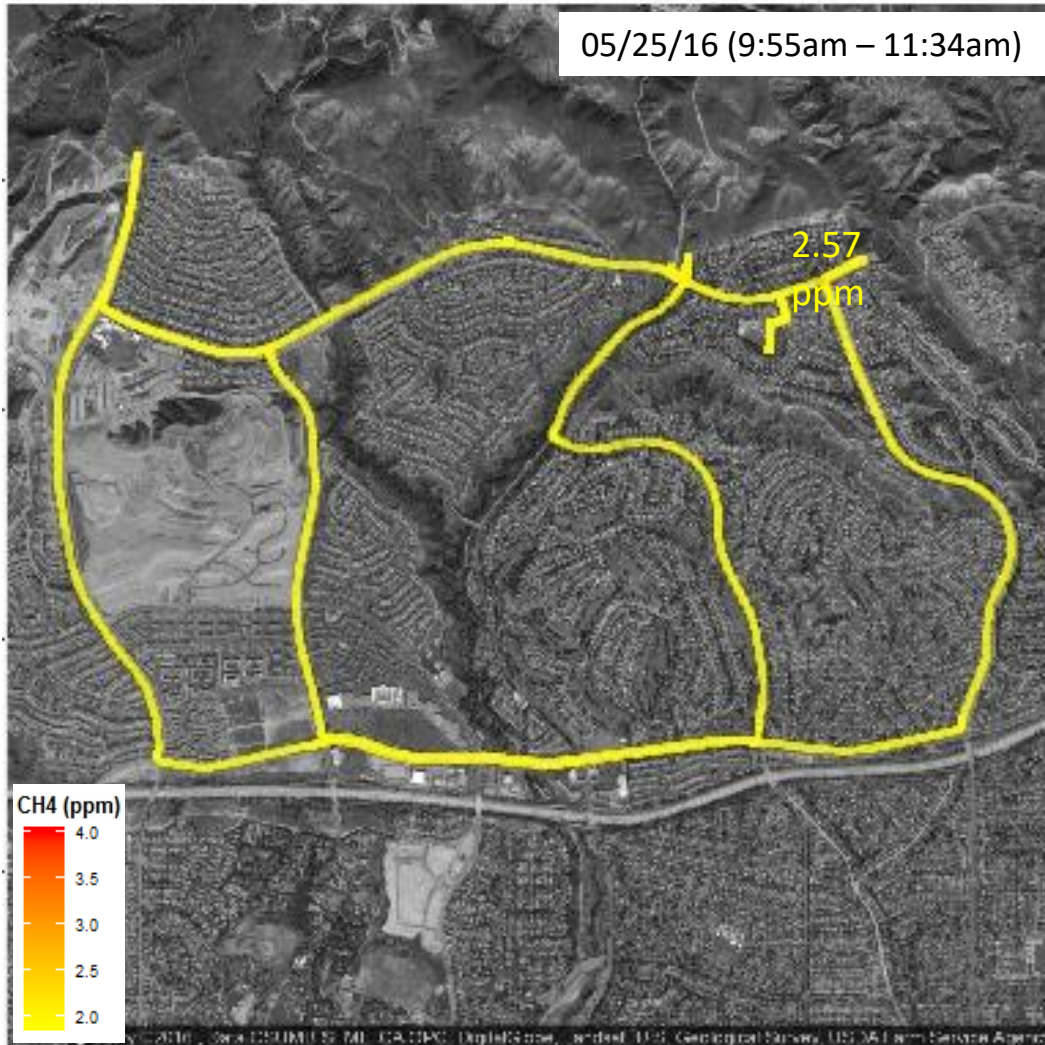
05/13/16 (9:11am – 12:15pm)



05/18/16 (10:01am - 12:31pm)



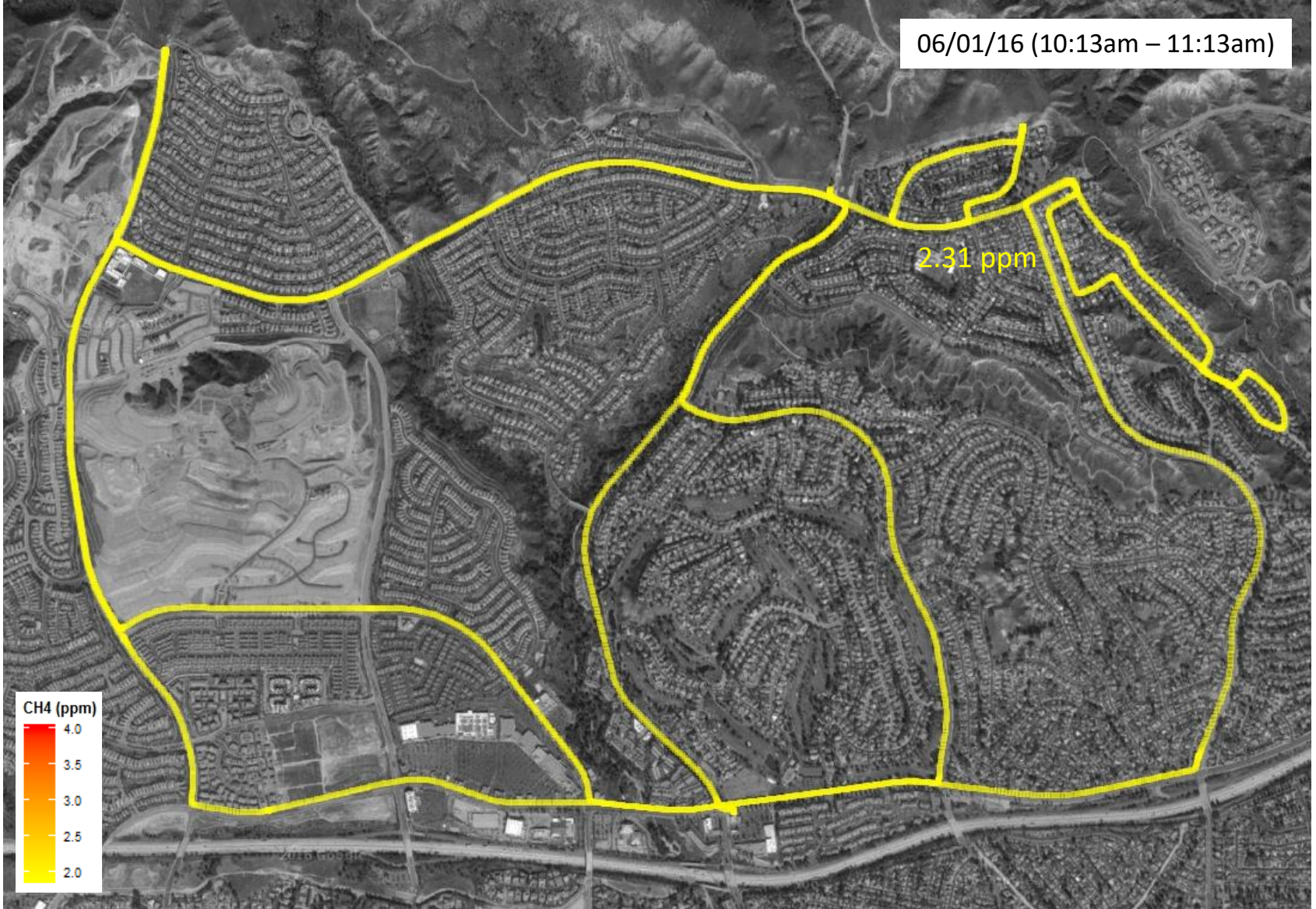
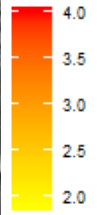
05/25/16 (9:55am – 11:34am)



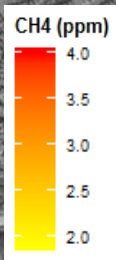
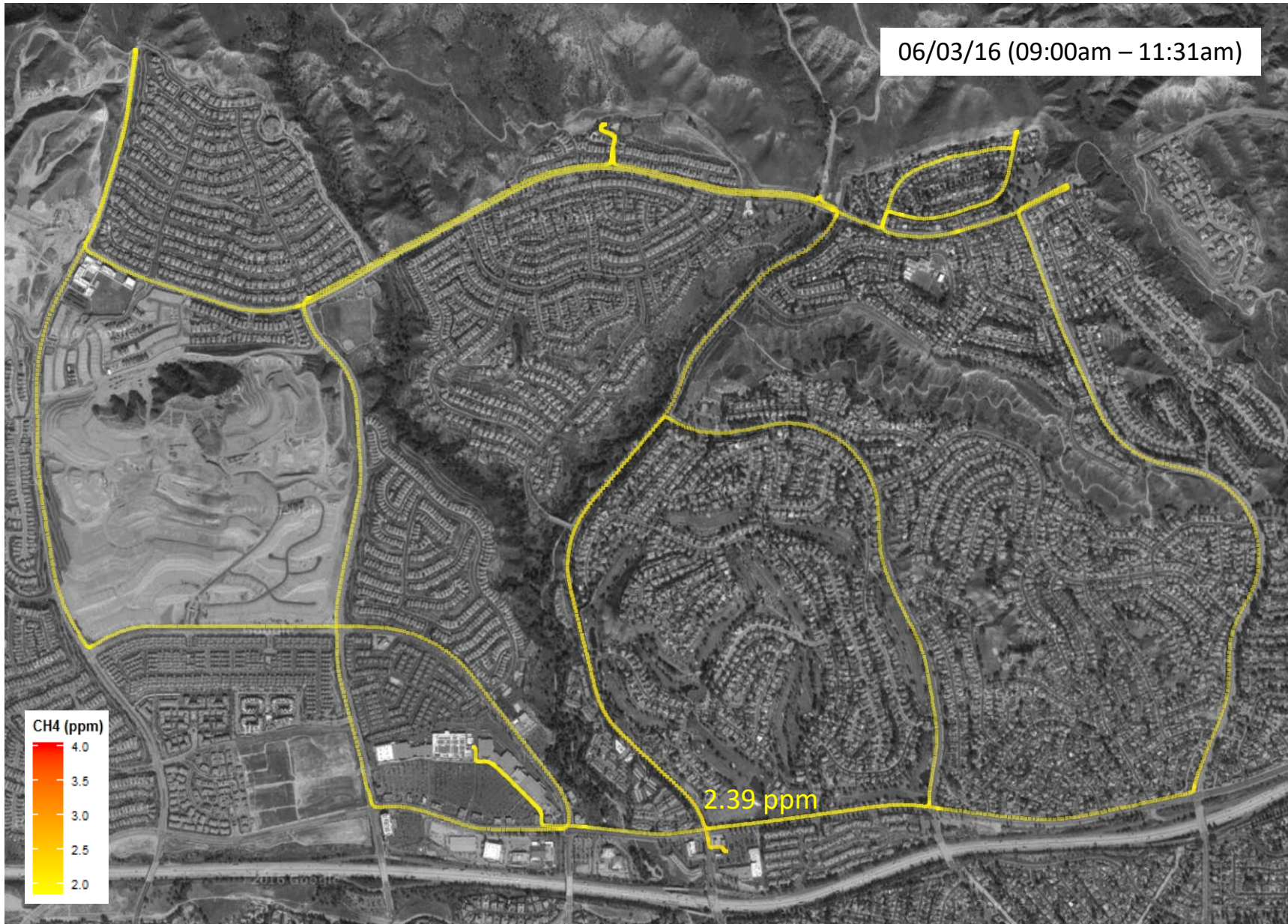
06/01/16 (10:13am - 11:13am)

2.31 ppm

CH4 (ppm)



06/03/16 (09:00am – 11:31am)



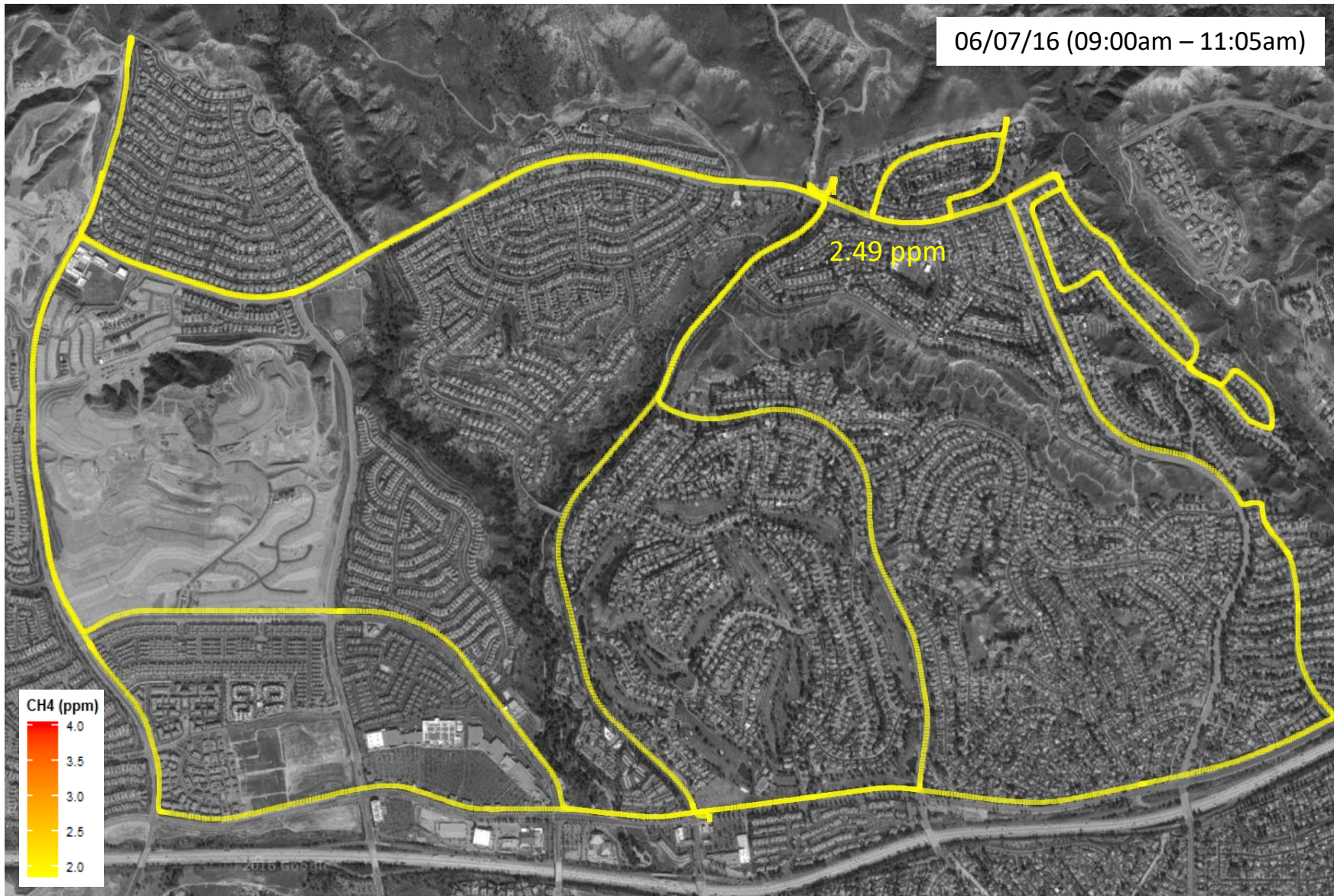
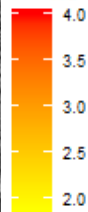
2.39 ppm

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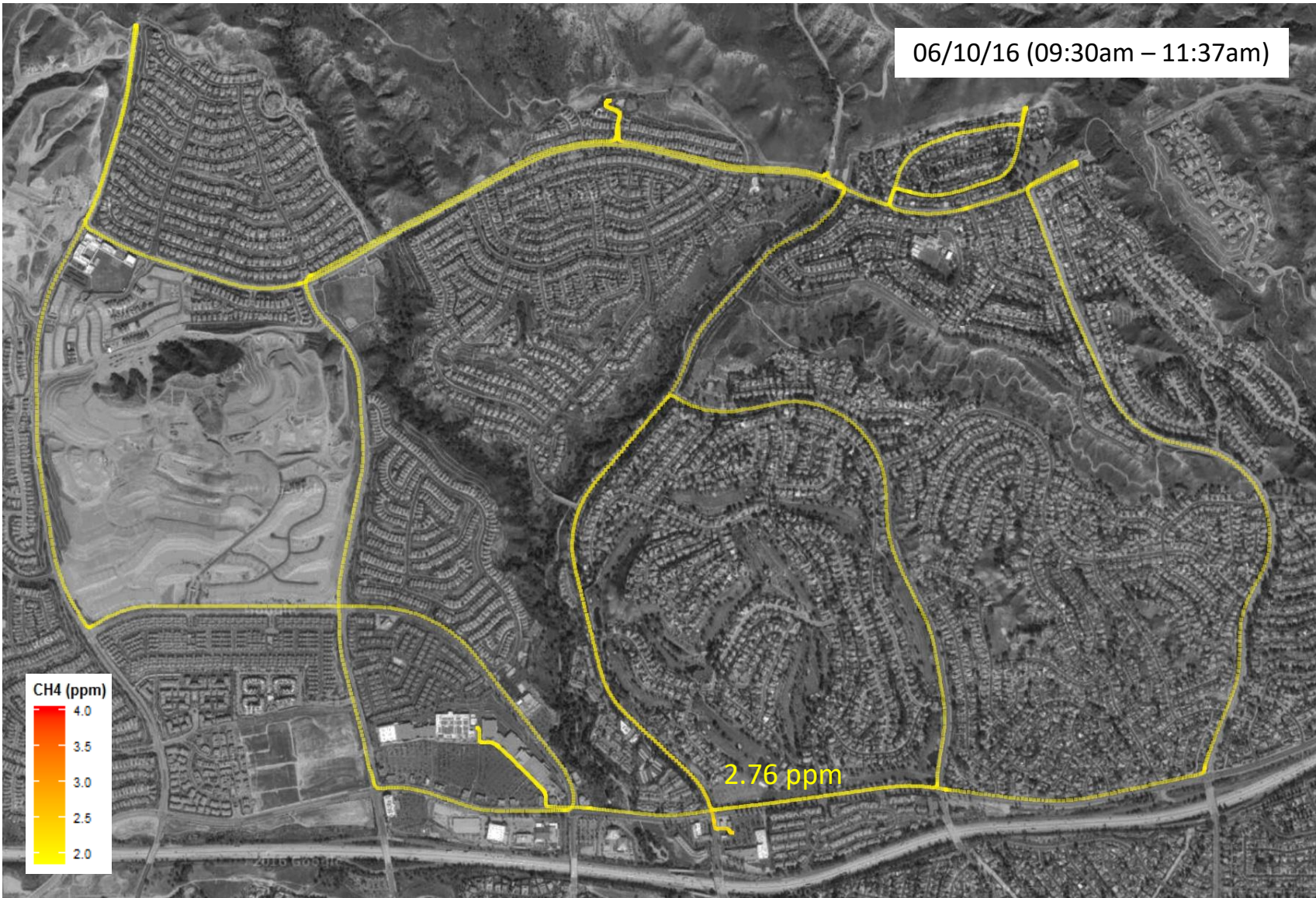
06/07/16 (09:00am – 11:05am)

2.49 ppm

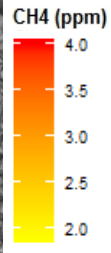
CH4 (ppm)



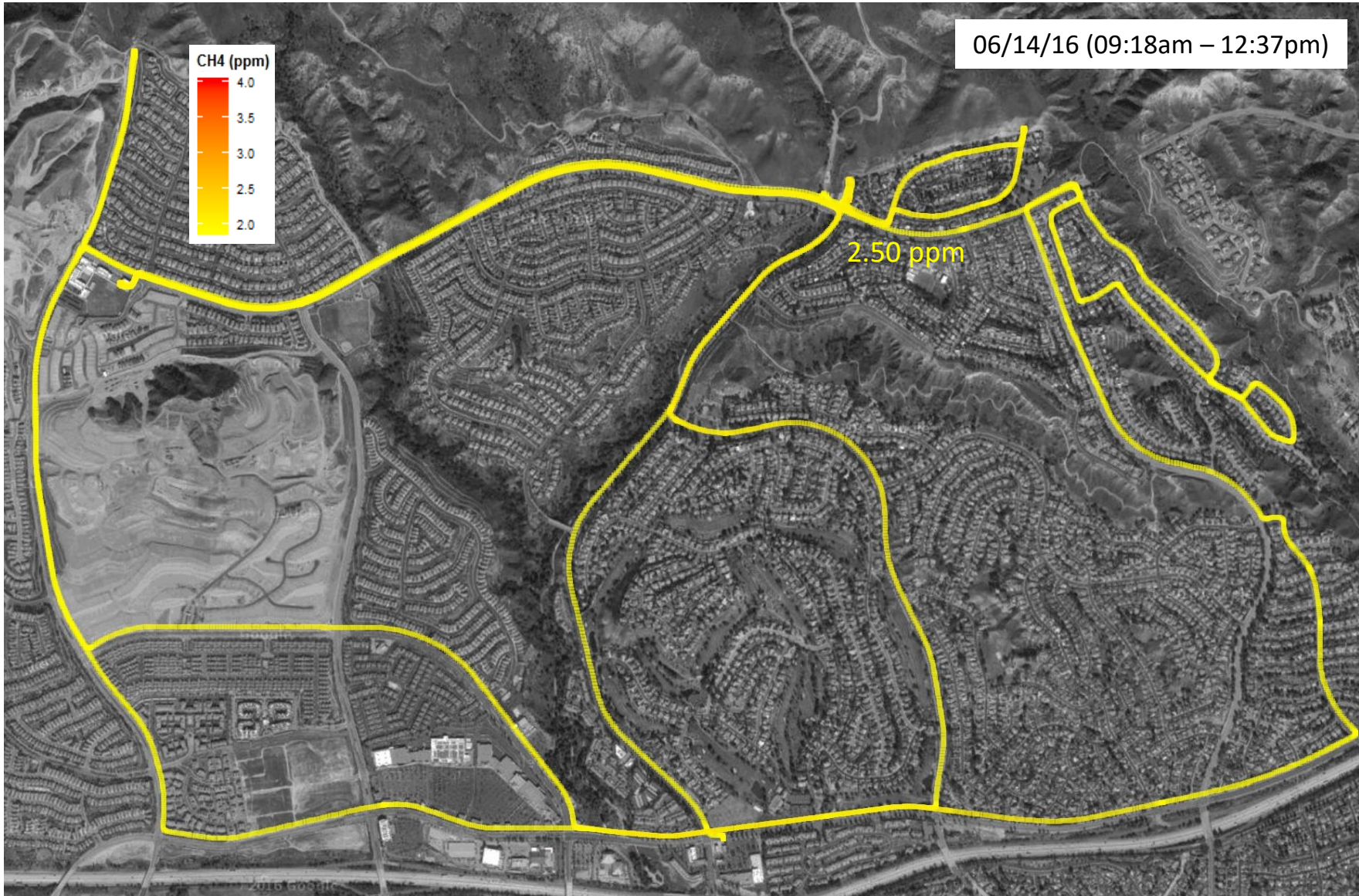
06/10/16 (09:30am – 11:37am)



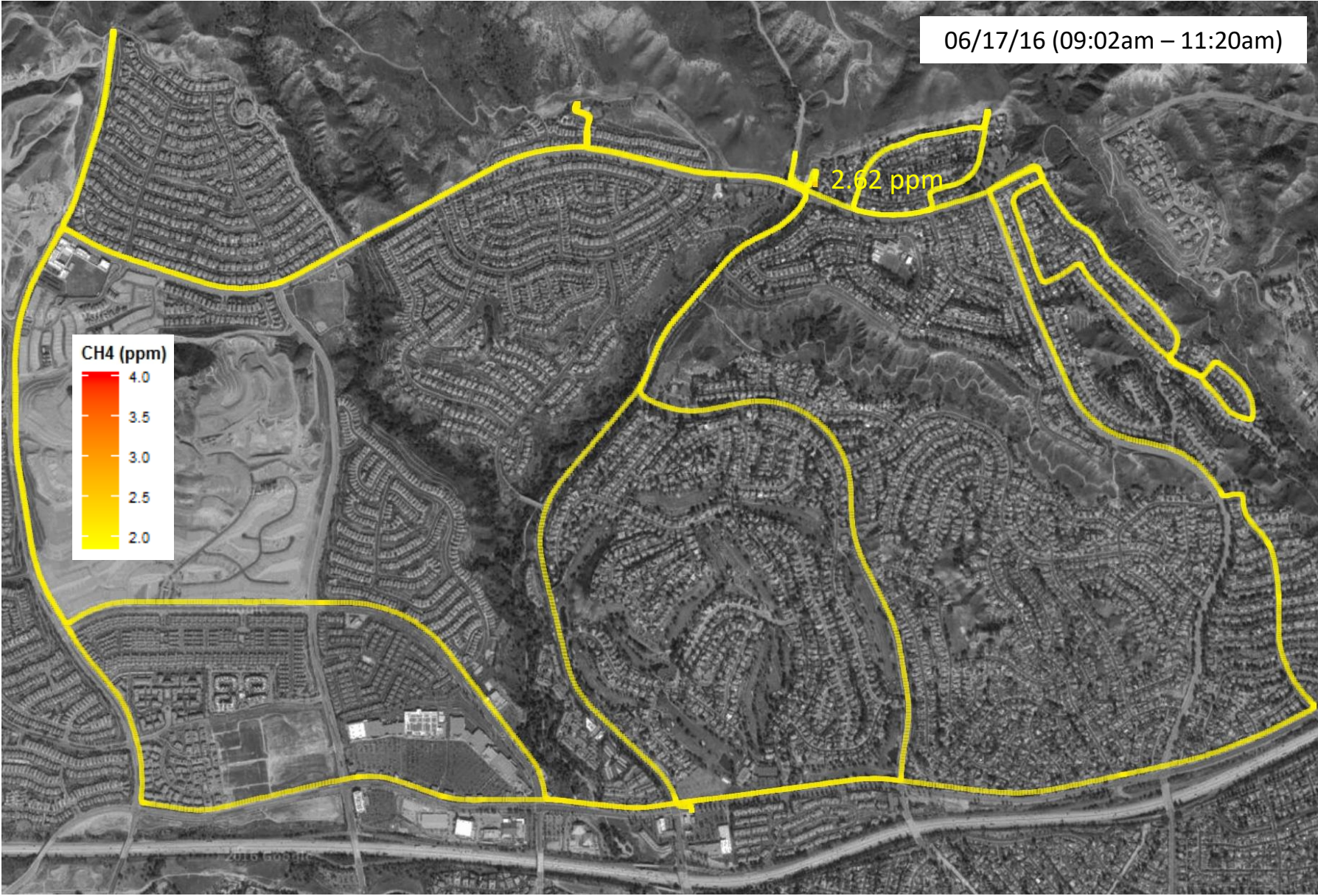
06/14/16 (09:18am – 12:37pm)



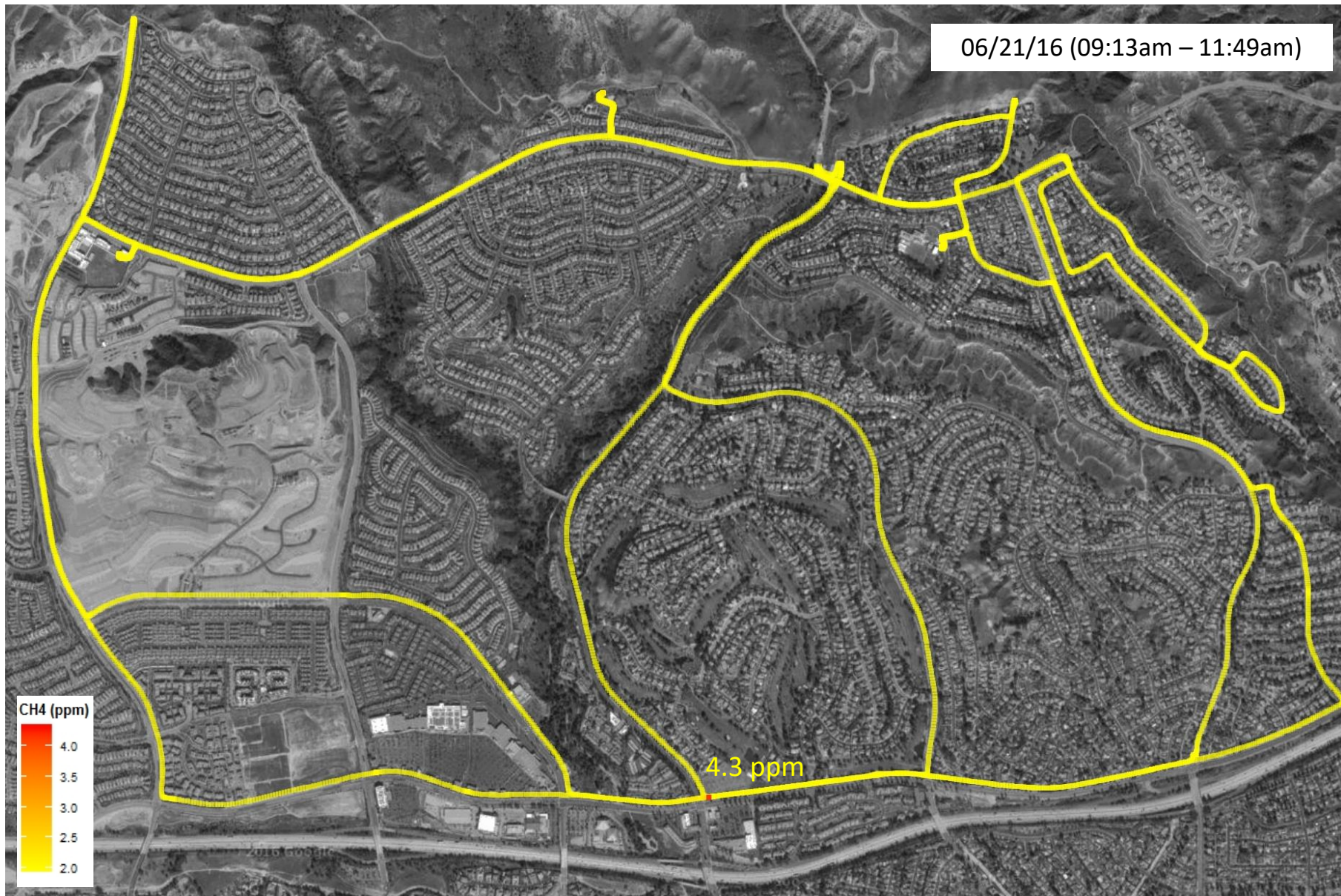
2.50 ppm



06/17/16 (09:02am – 11:20am)



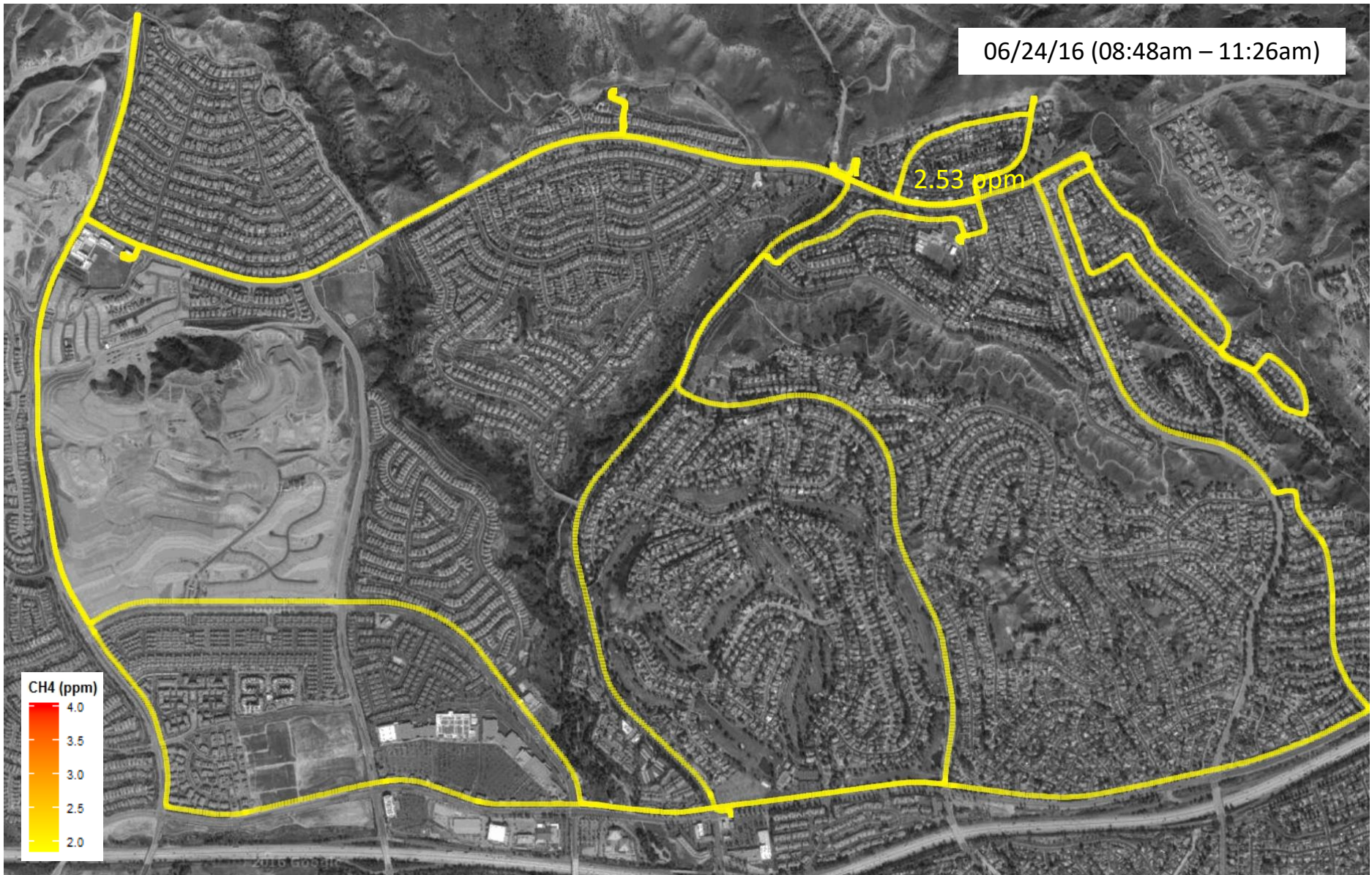
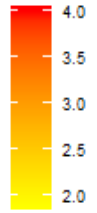
06/21/16 (09:13am – 11:49am)



06/24/16 (08:48am - 11:26am)

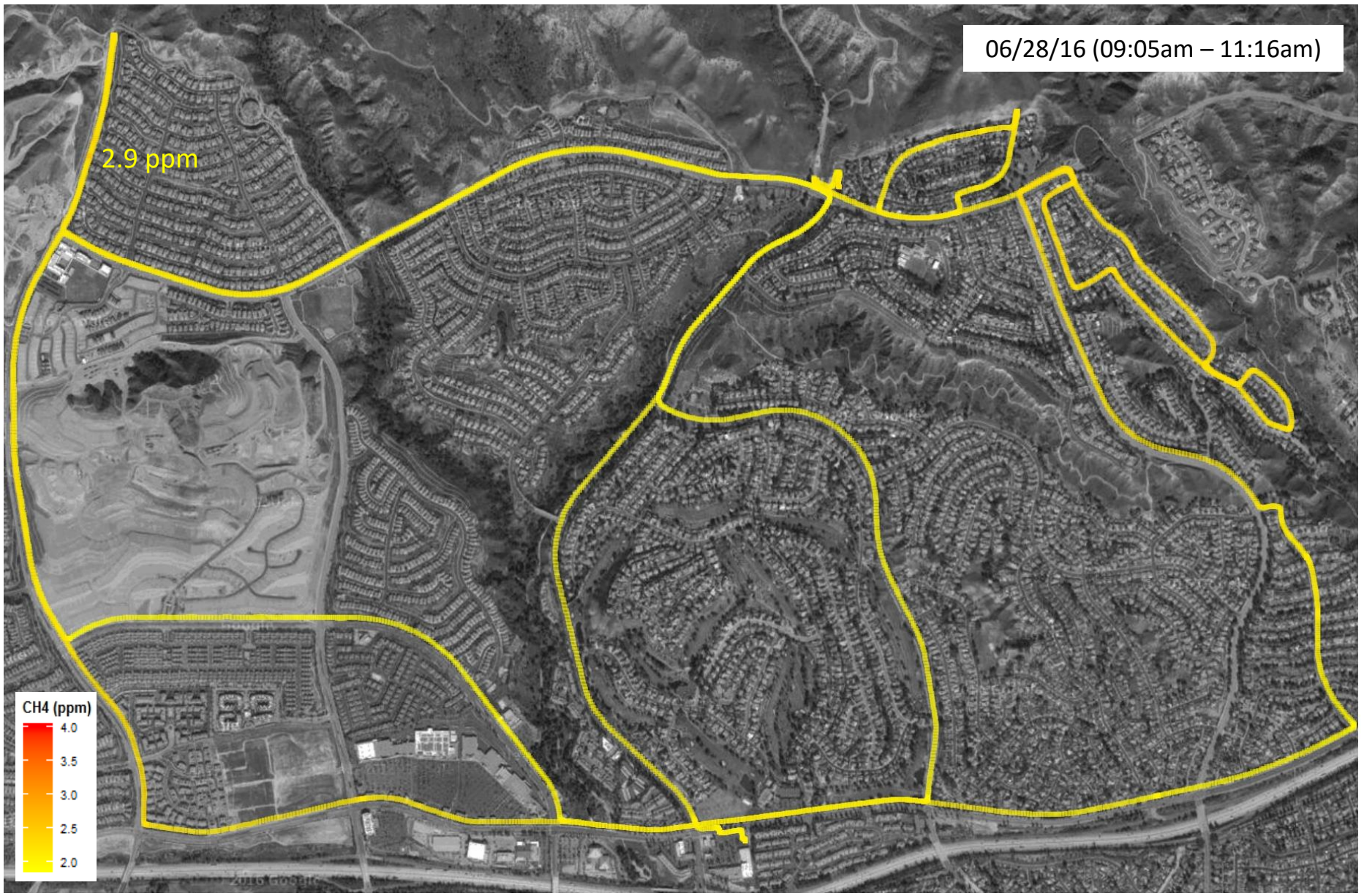
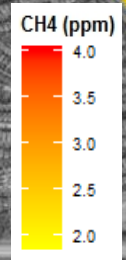
2.53 ppm

CH4 (ppm)

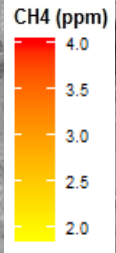


06/28/16 (09:05am - 11:16am)

2.9 ppm



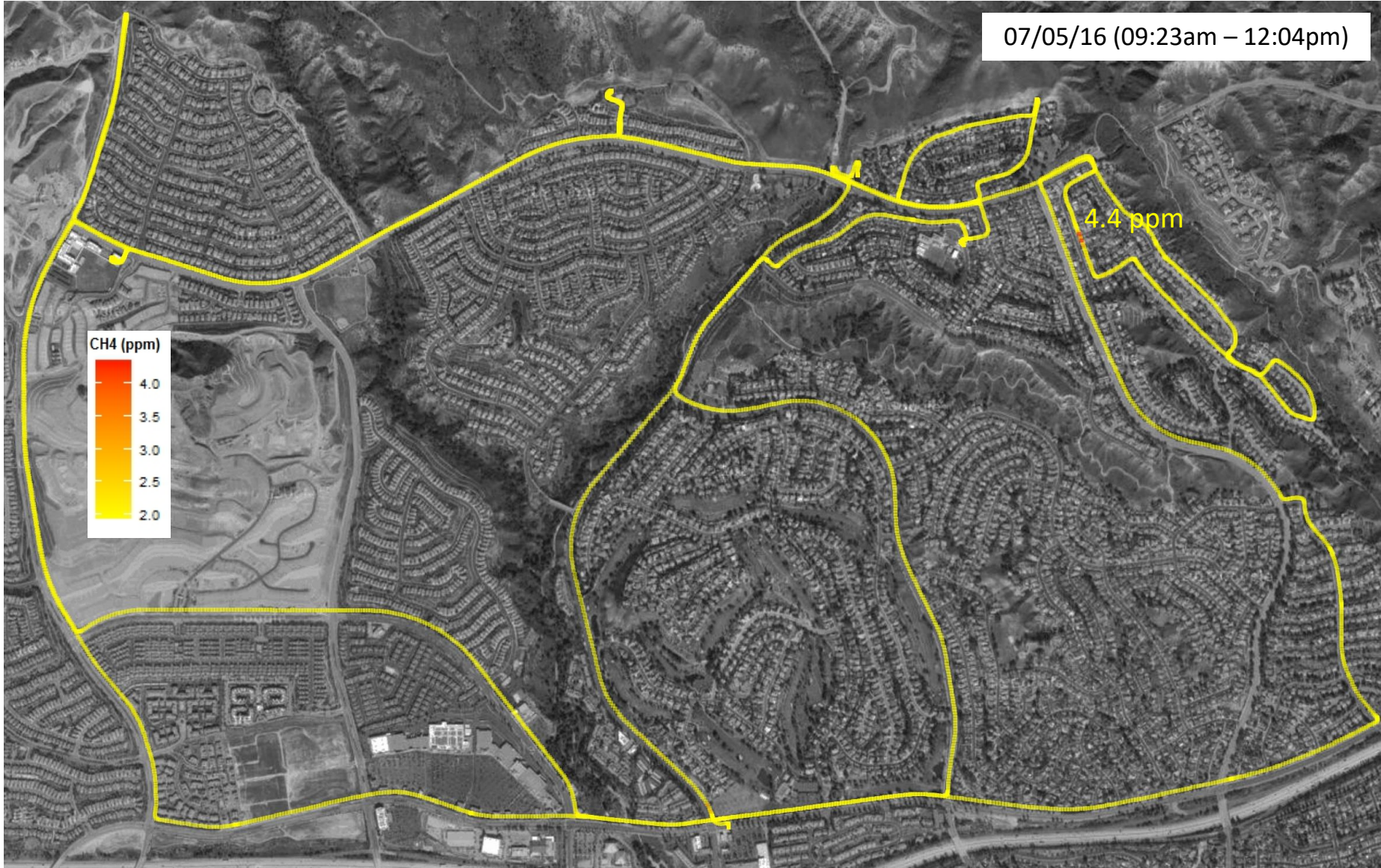
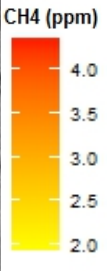
07/01/16 (09:00am – 11:32am)



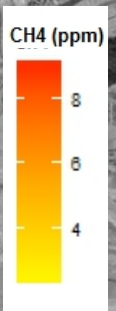
2.4 ppm

07/05/16 (09:23am - 12:04pm)

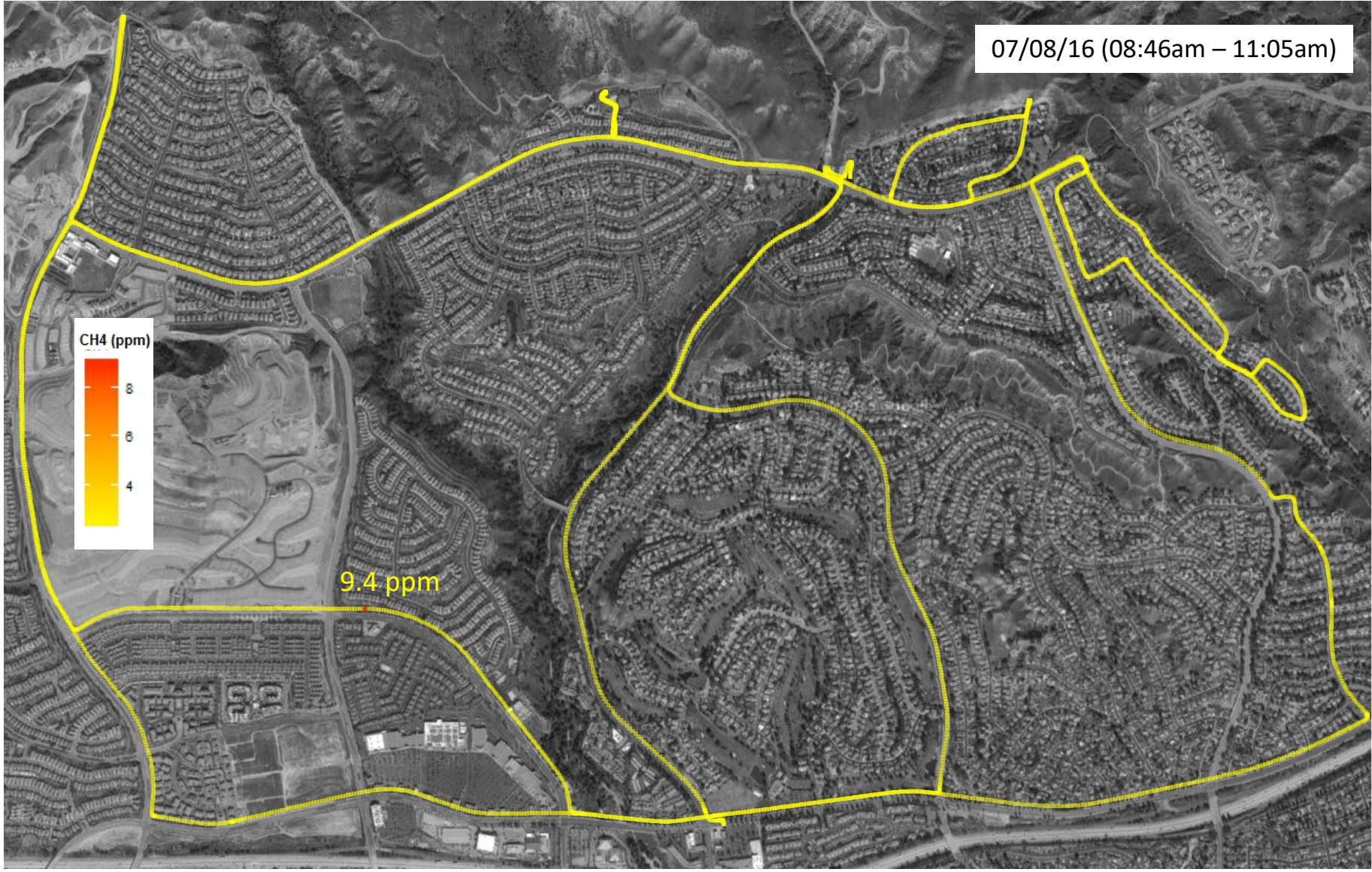
4.4 ppm



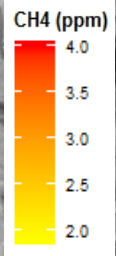
07/08/16 (08:46am – 11:05am)



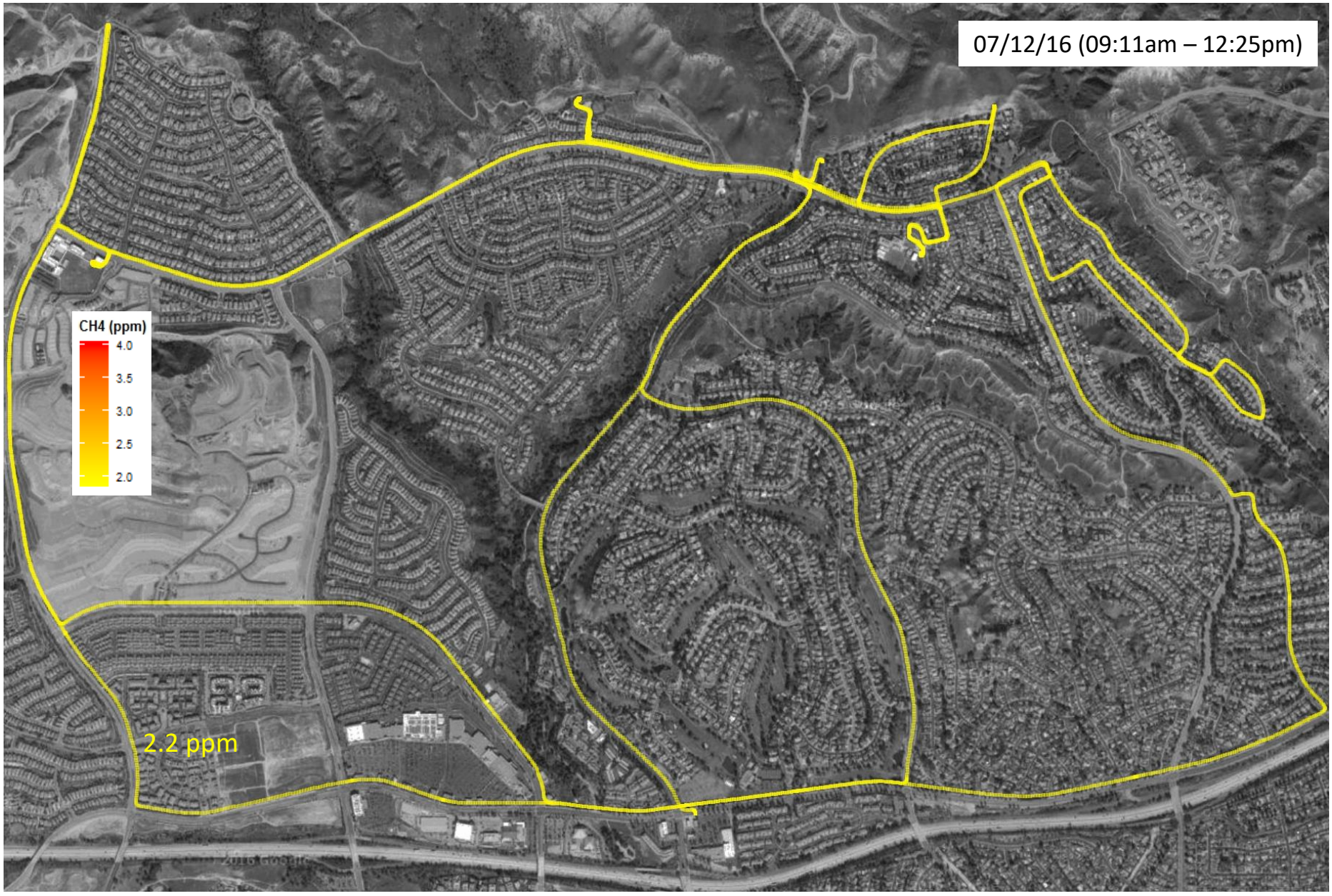
9.4 ppm



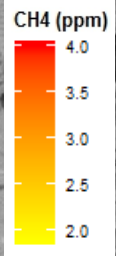
07/12/16 (09:11am – 12:25pm)



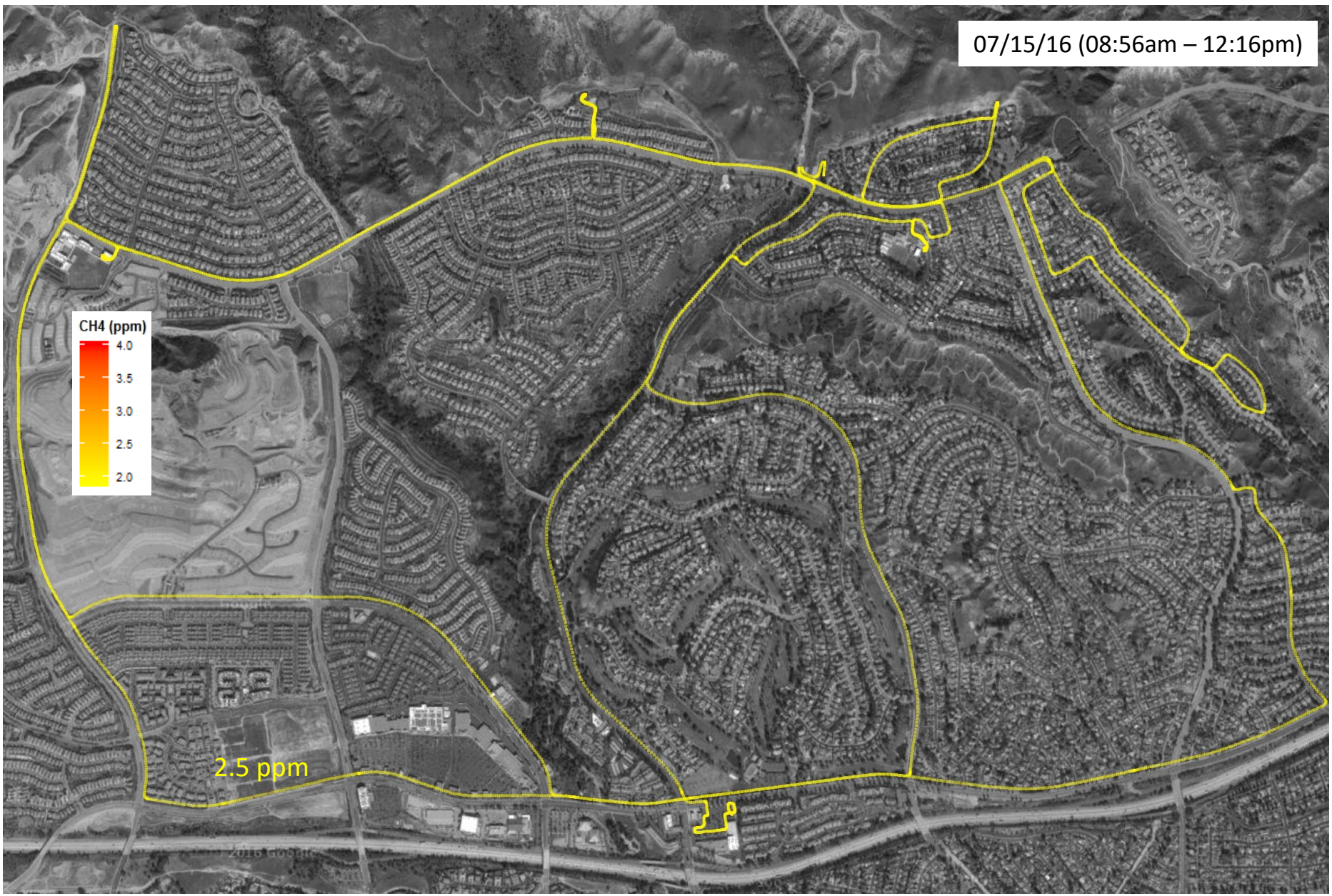
2.2 ppm



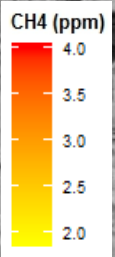
07/15/16 (08:56am – 12:16pm)



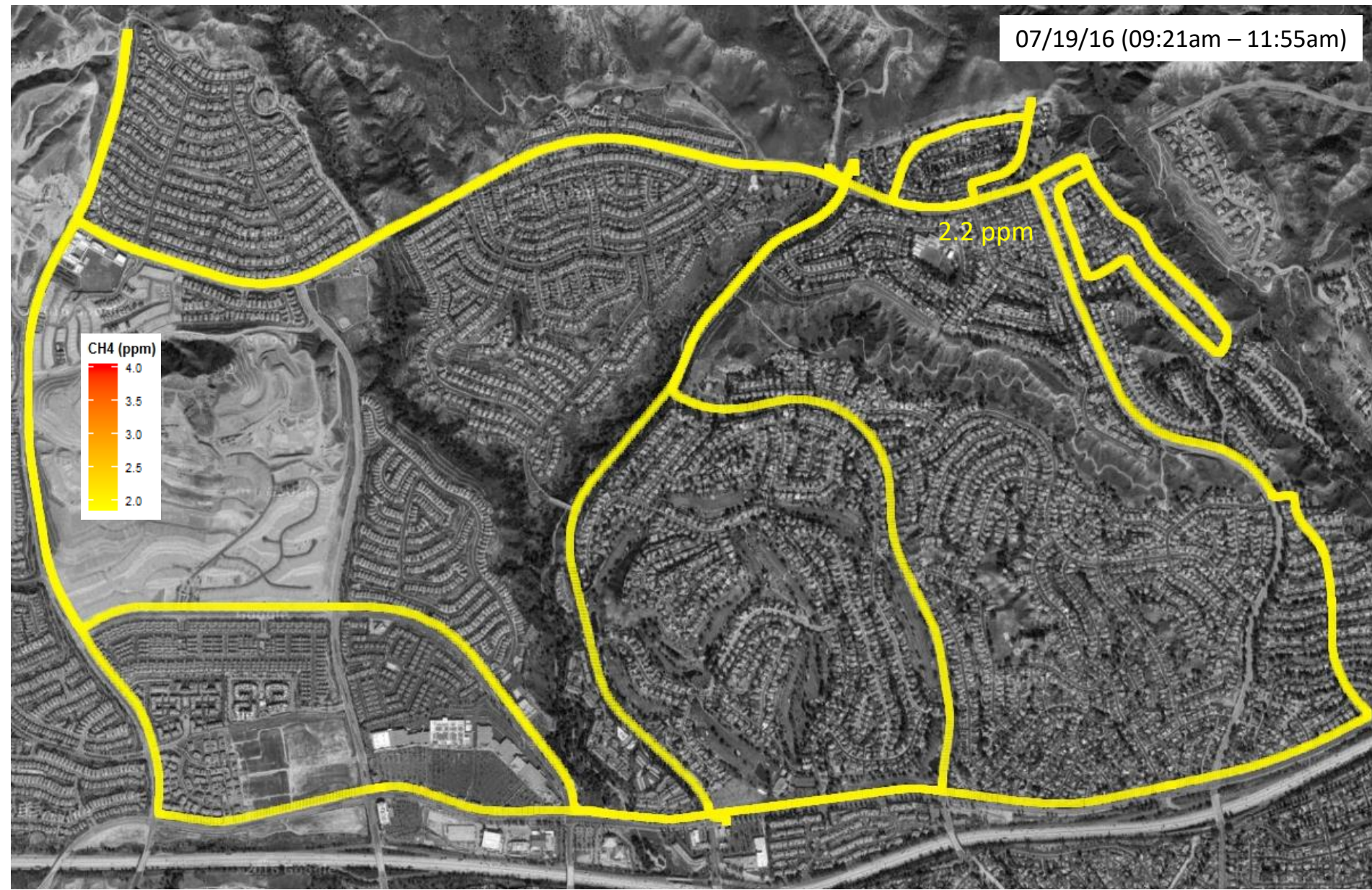
2.5 ppm



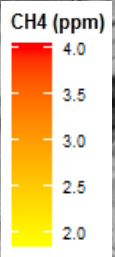
07/19/16 (09:21am - 11:55am)



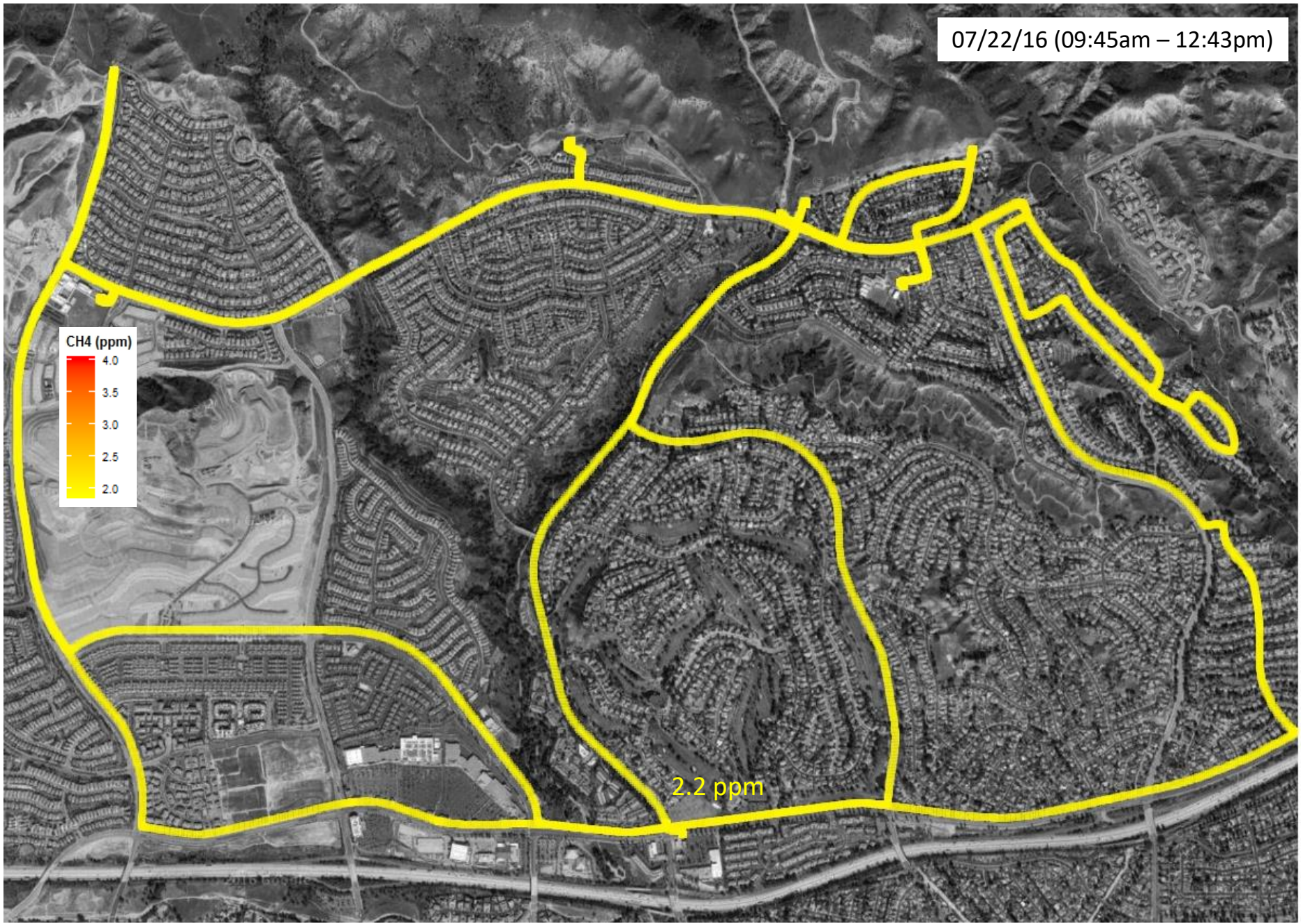
2.2 ppm



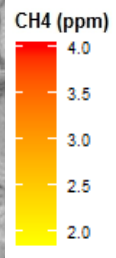
07/22/16 (09:45am – 12:43pm)



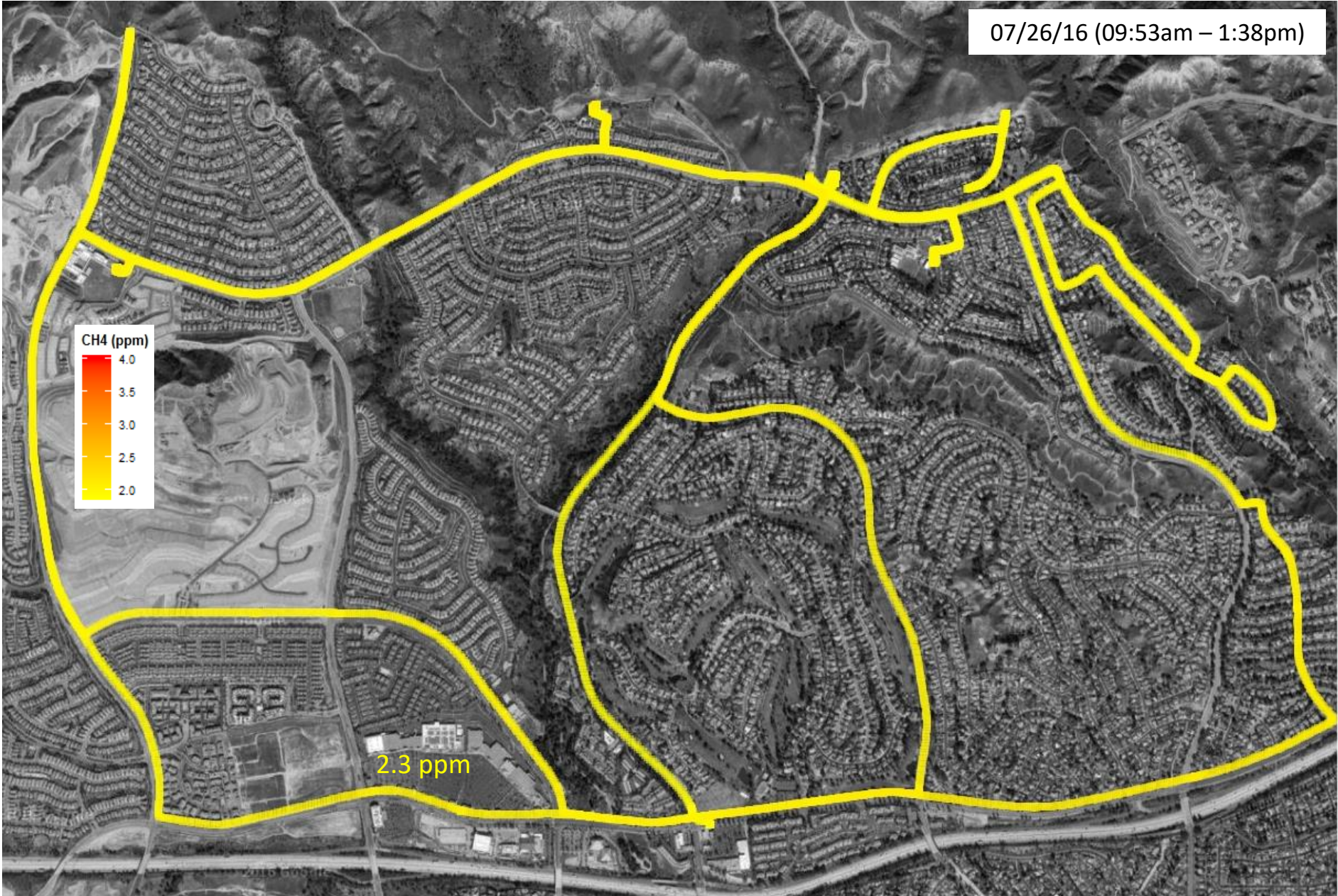
2.2 ppm



07/26/16 (09:53am – 1:38pm)

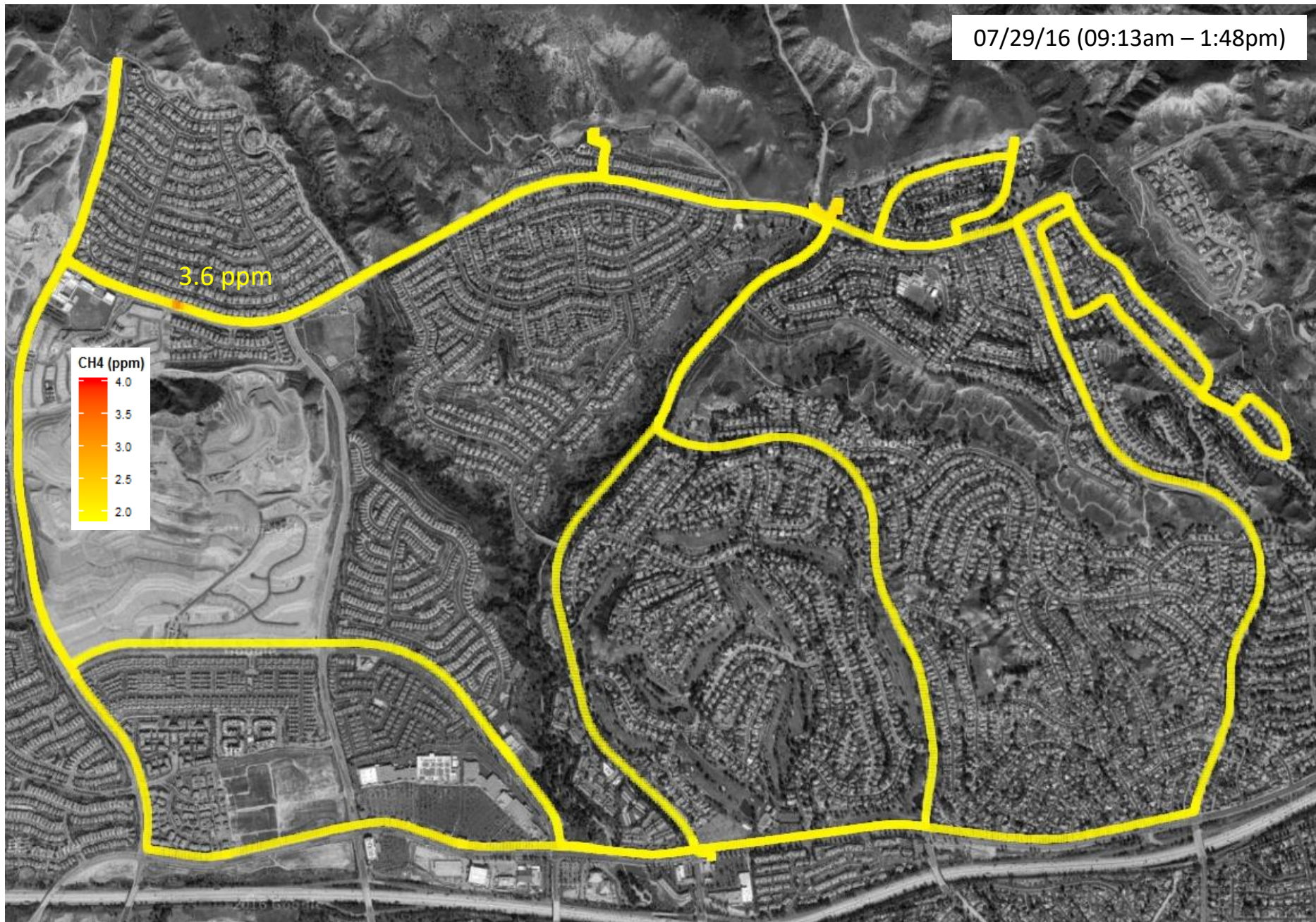
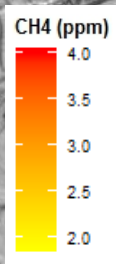


2.3 ppm

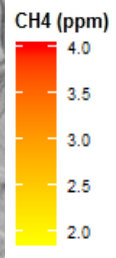


07/29/16 (09:13am – 1:48pm)

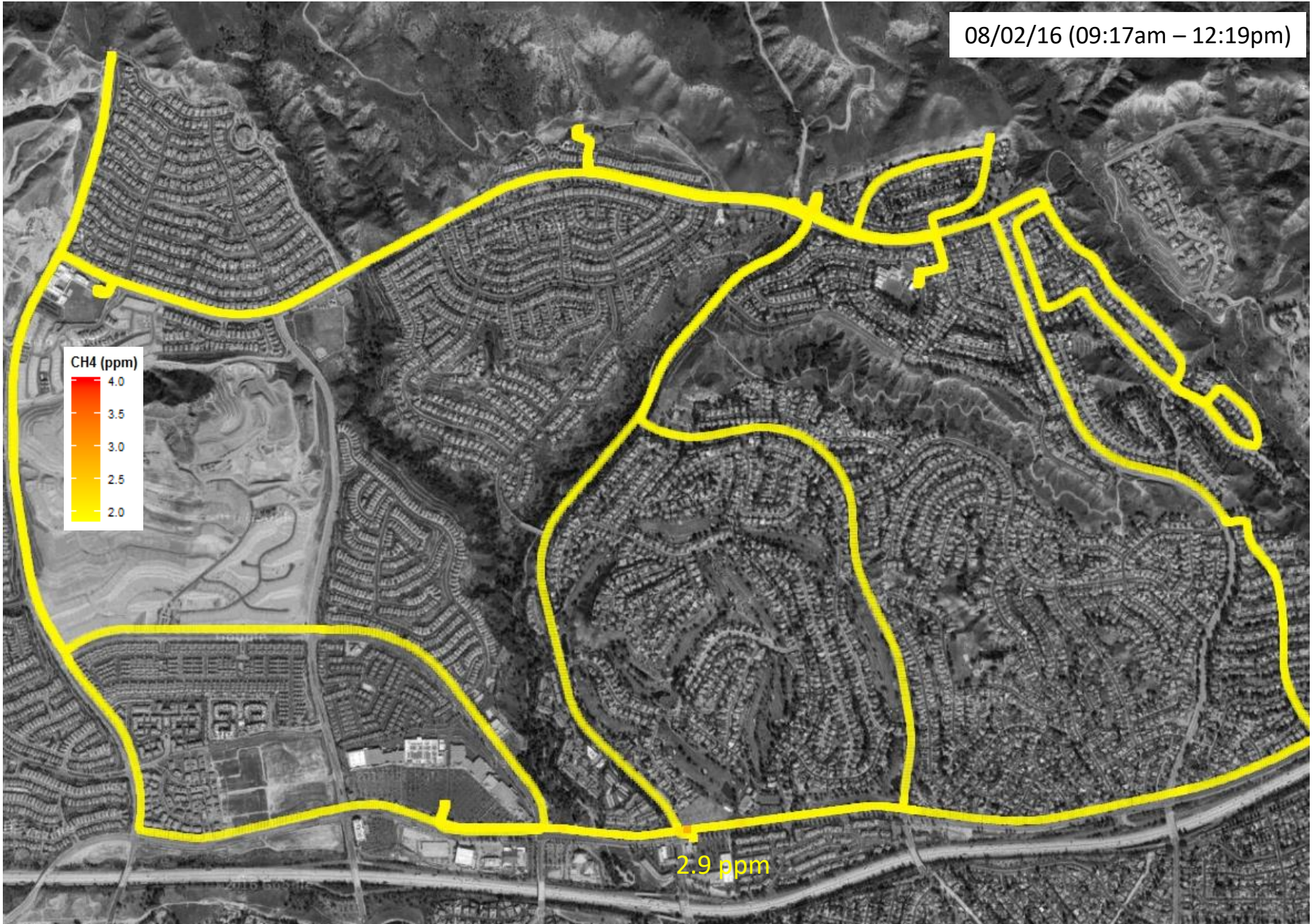
3.6 ppm



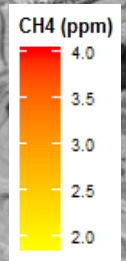
08/02/16 (09:17am - 12:19pm)



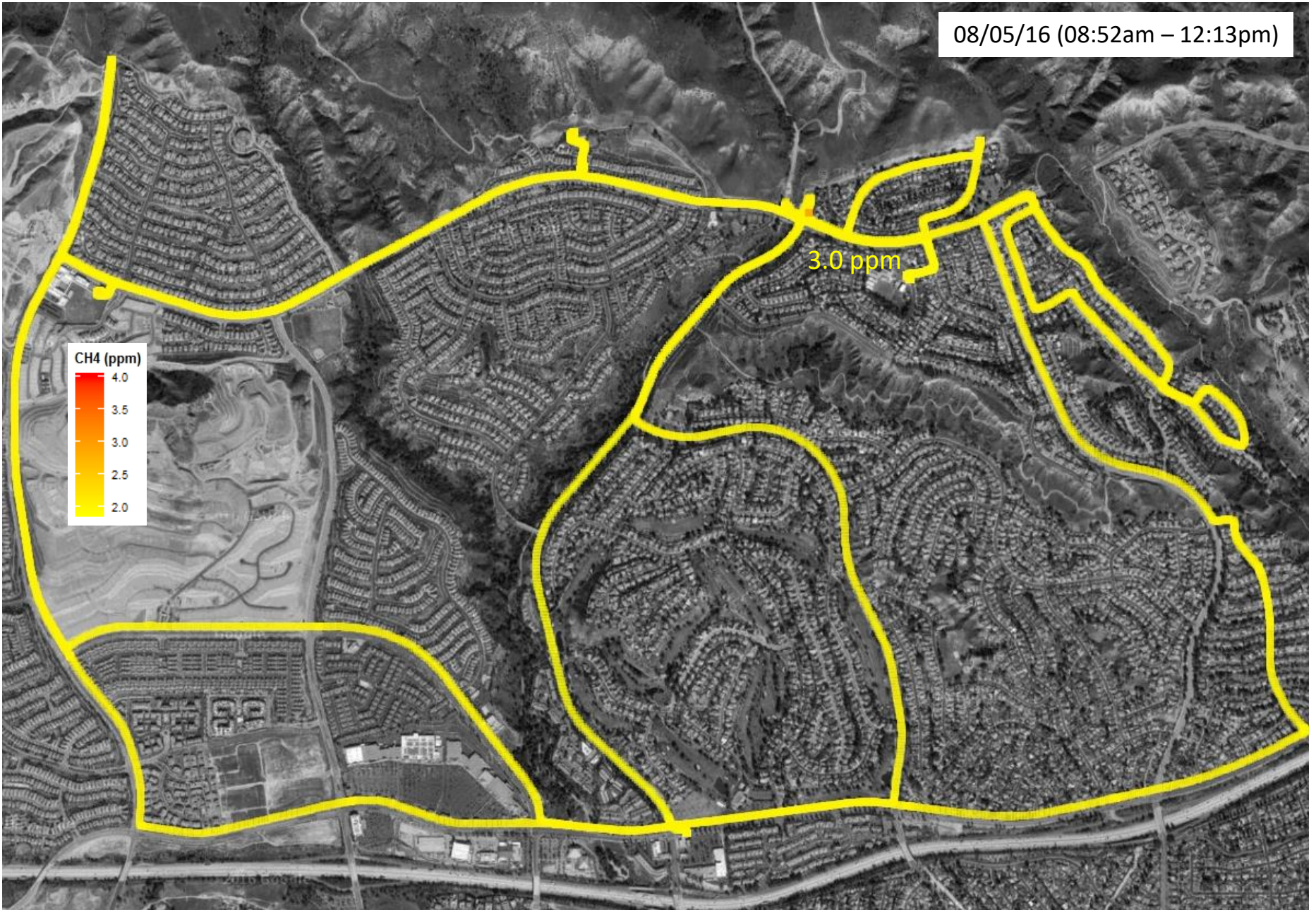
2.9 ppm



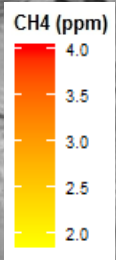
08/05/16 (08:52am – 12:13pm)



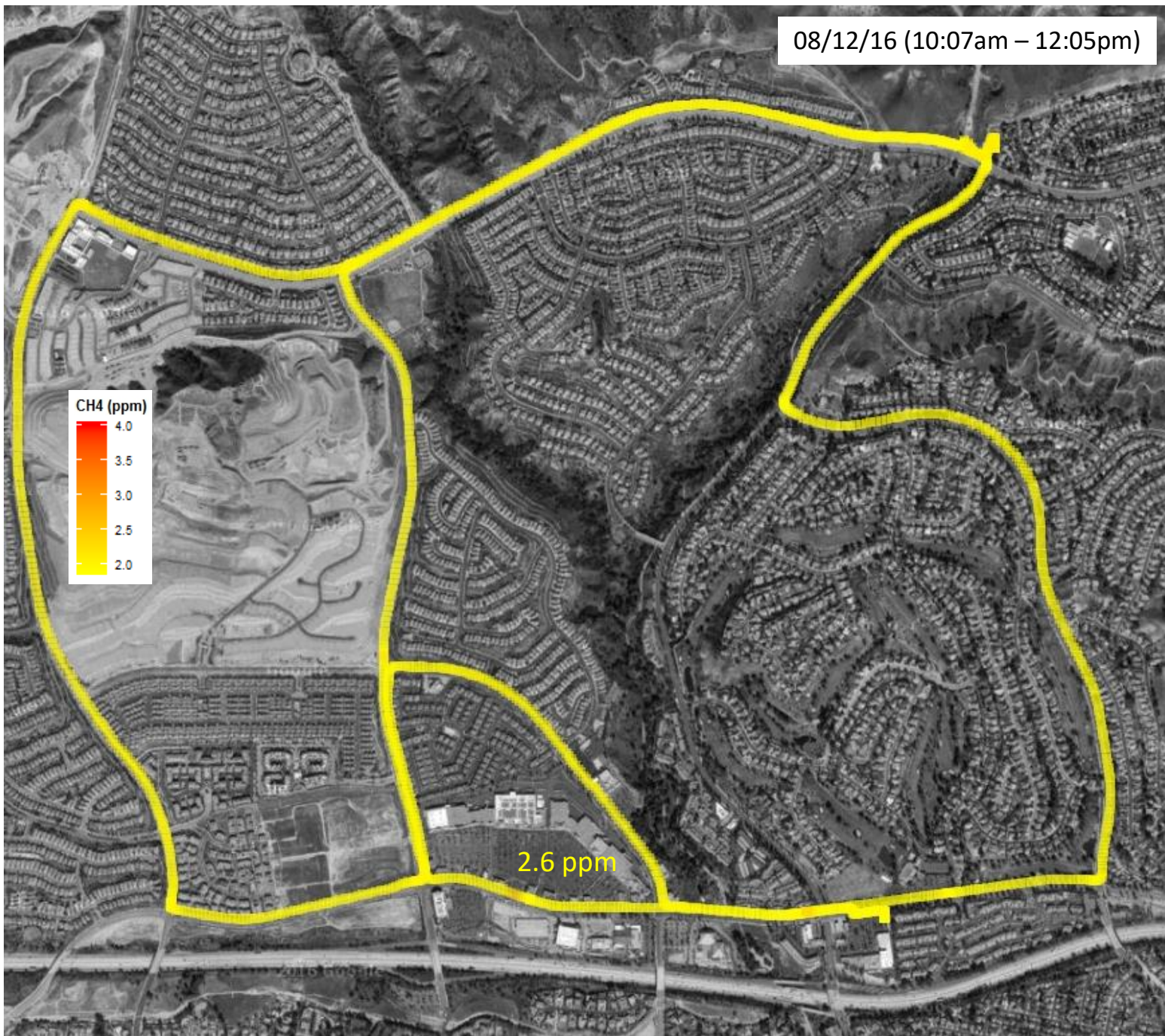
3.0 ppm



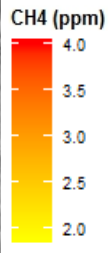
08/12/16 (10:07am - 12:05pm)



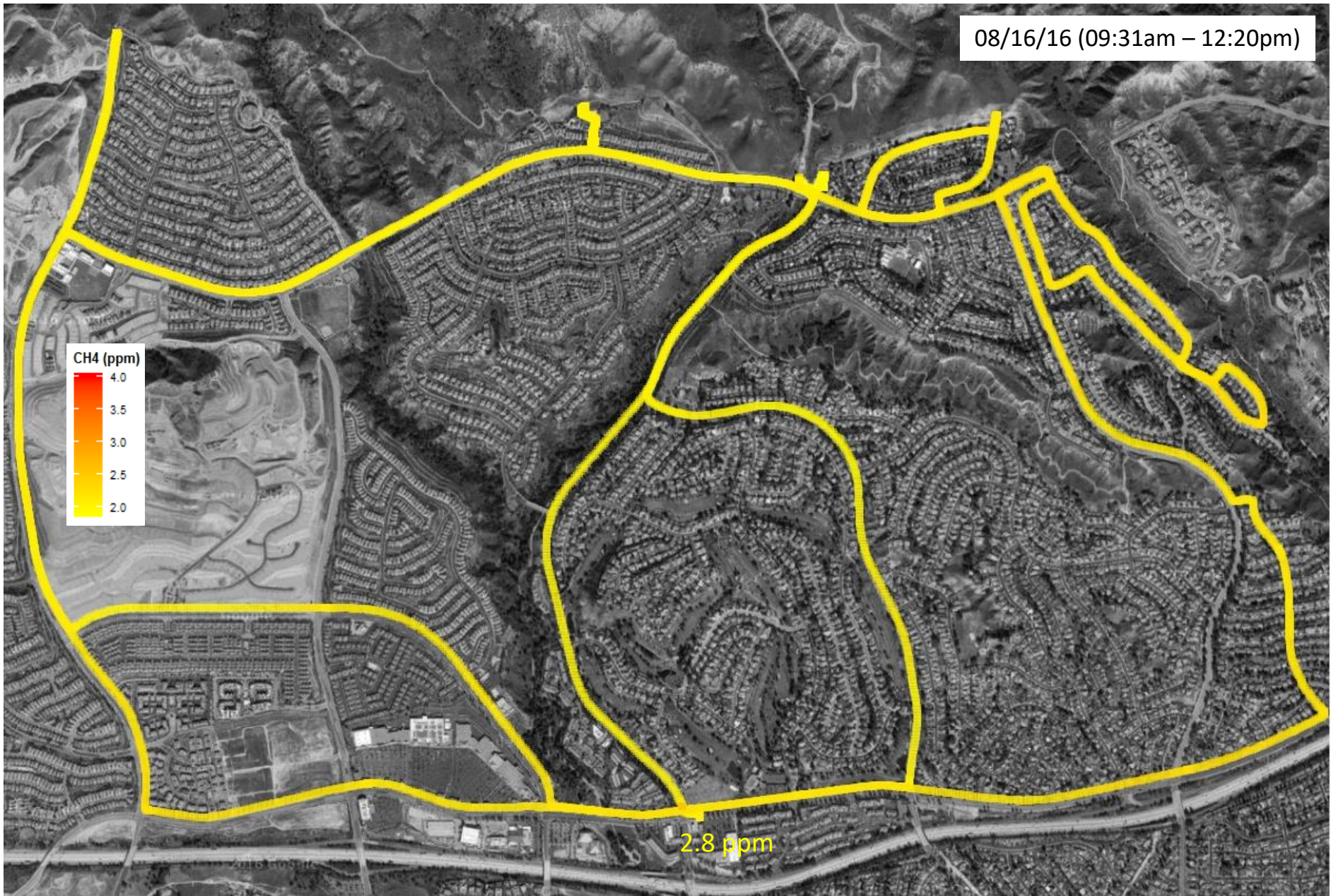
2.6 ppm



08/16/16 (09:31am – 12:20pm)

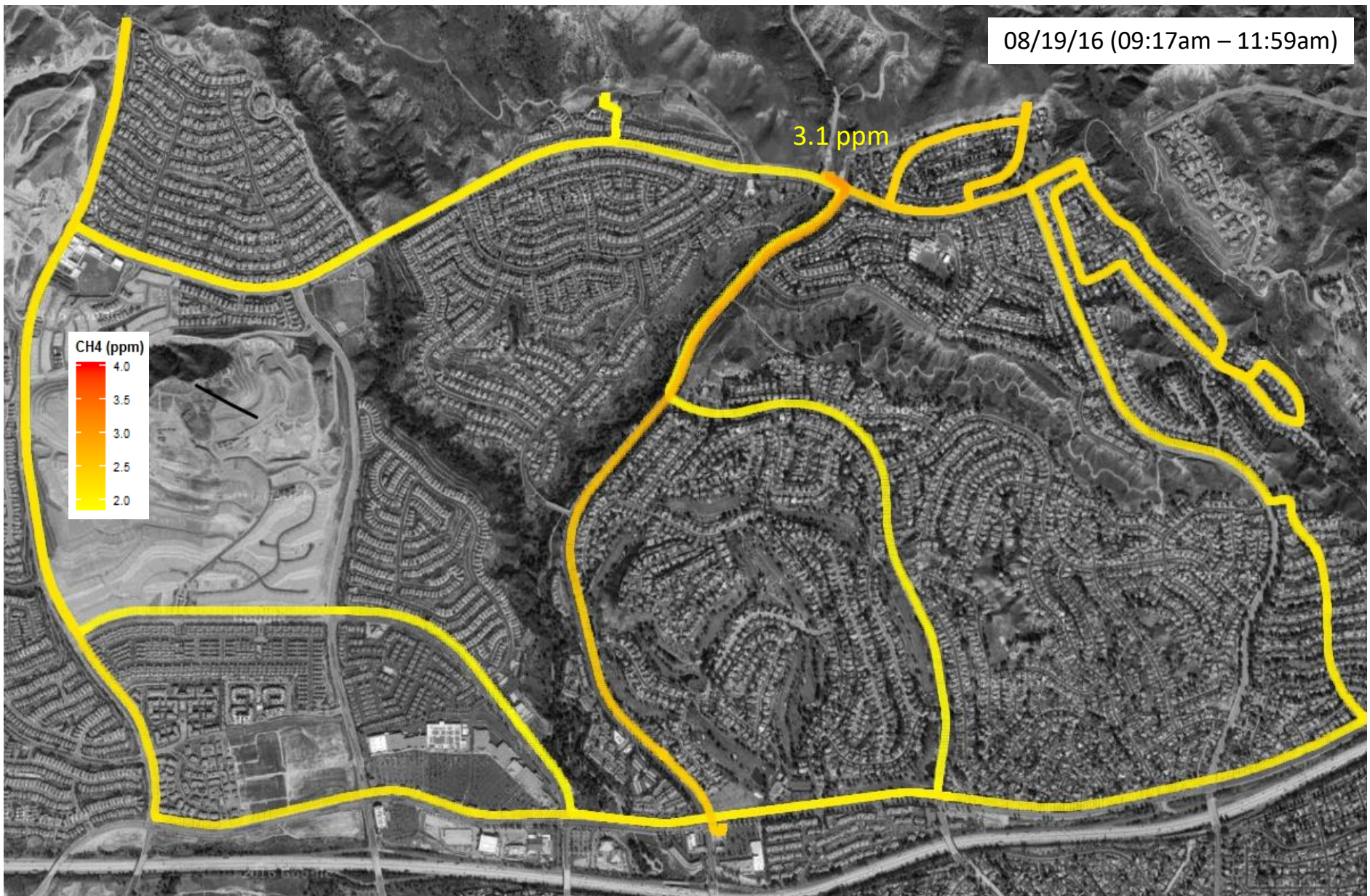
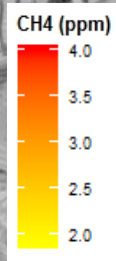


2.8 ppm

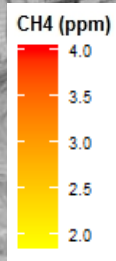


08/19/16 (09:17am - 11:59am)

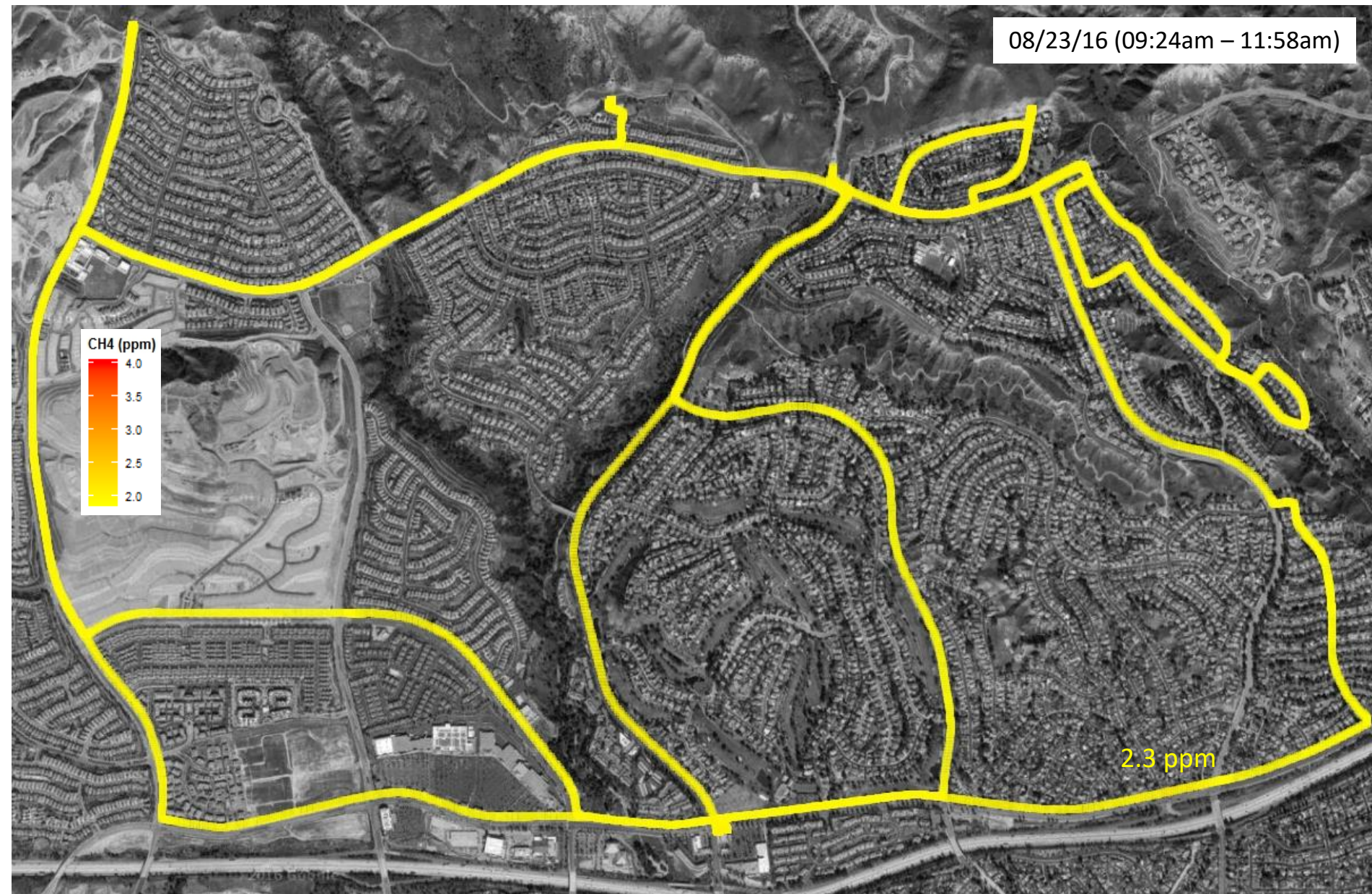
3.1 ppm



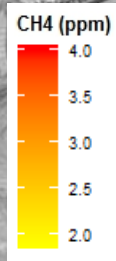
08/23/16 (09:24am - 11:58am)



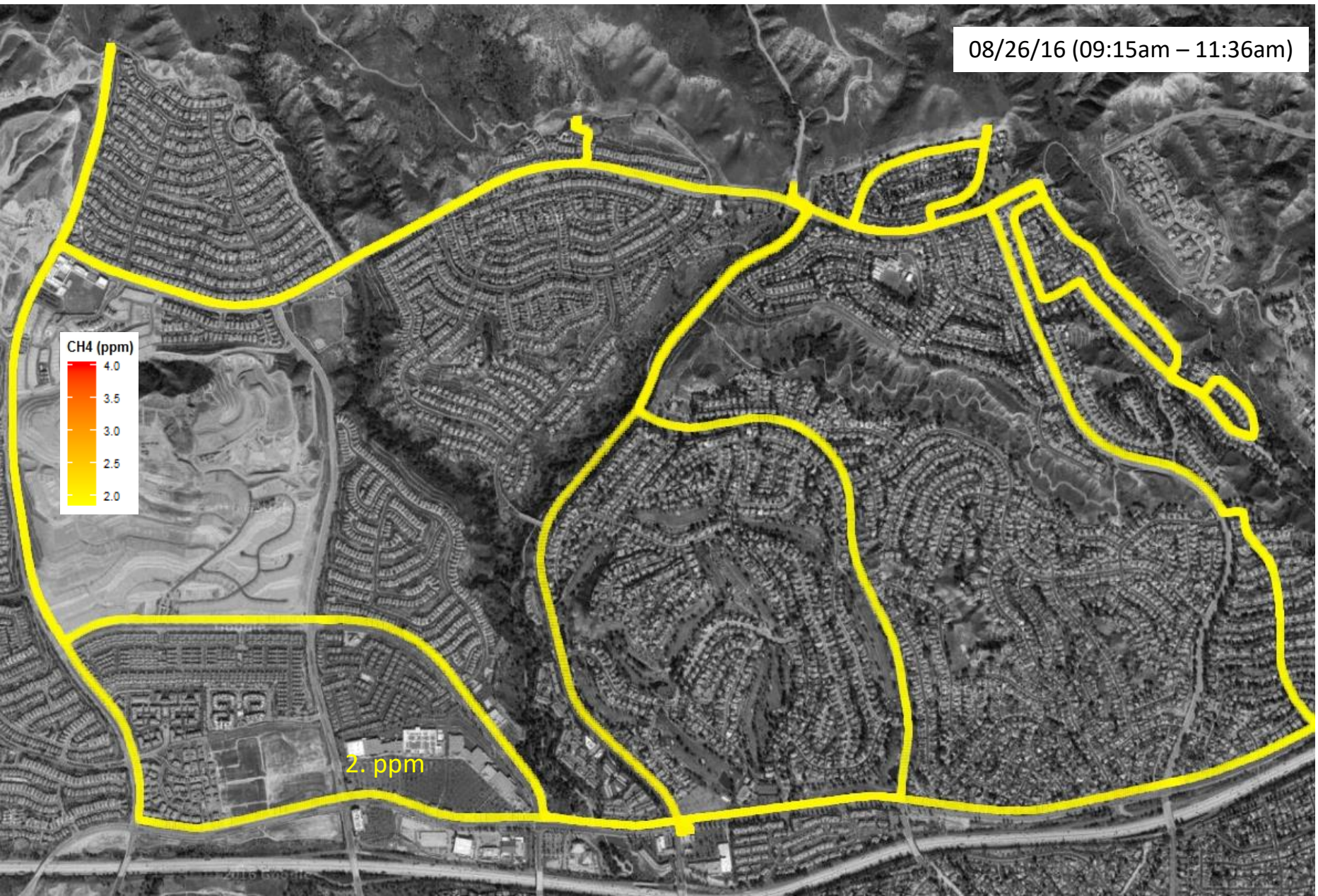
2.3 ppm



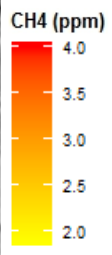
08/26/16 (09:15am – 11:36am)



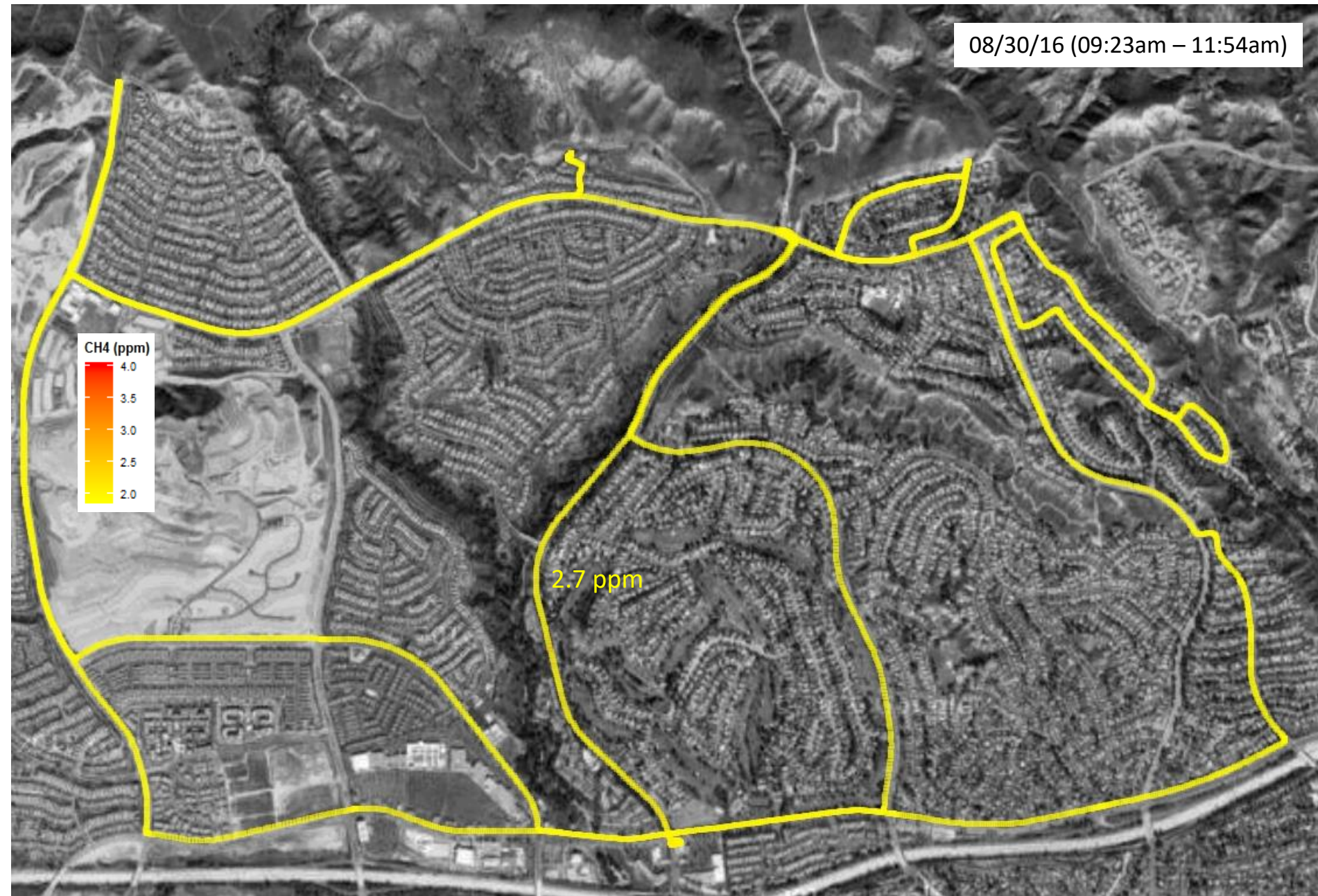
2. ppm



08/30/16 (09:23am – 11:54am)

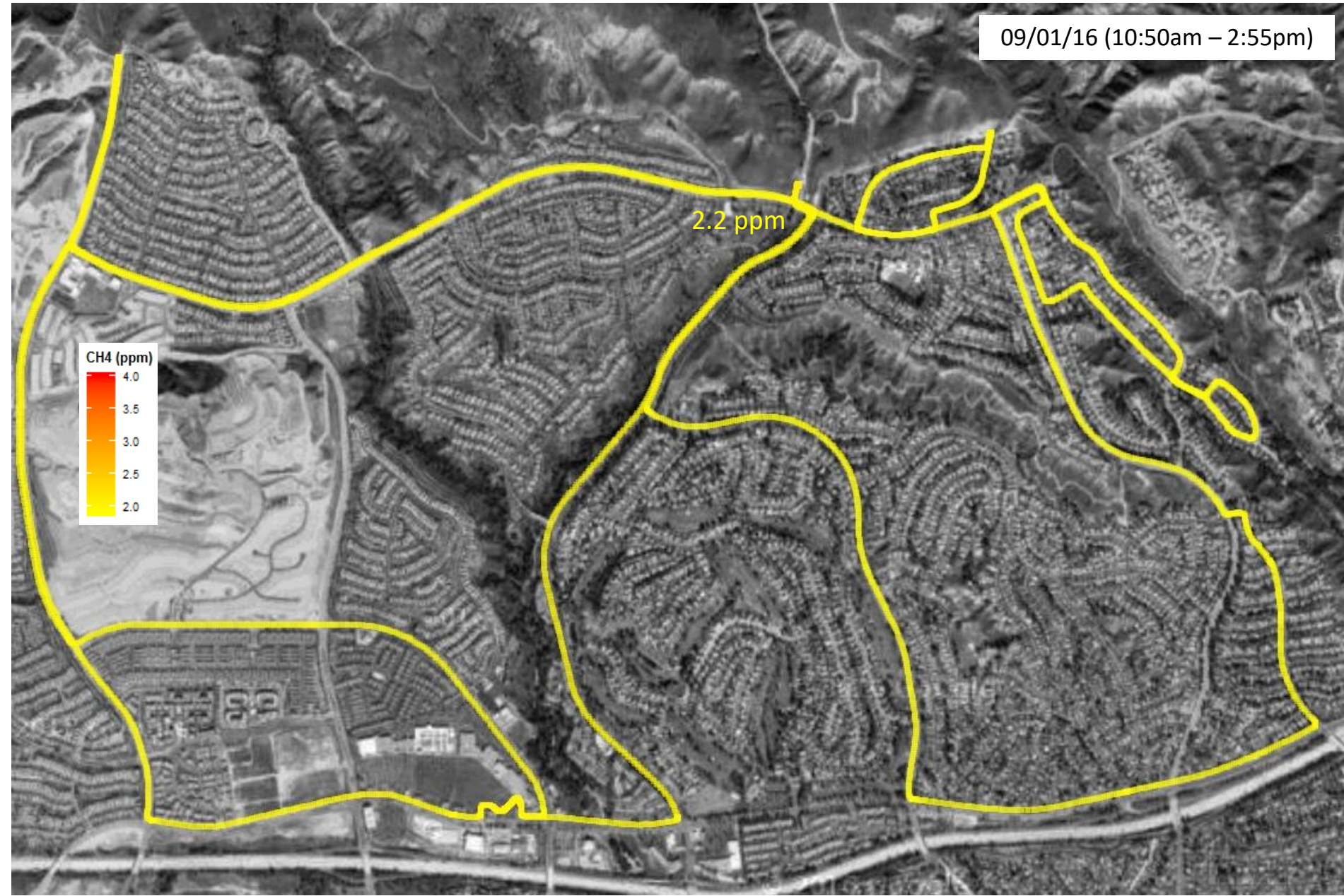
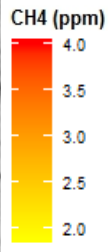


2.7 ppm



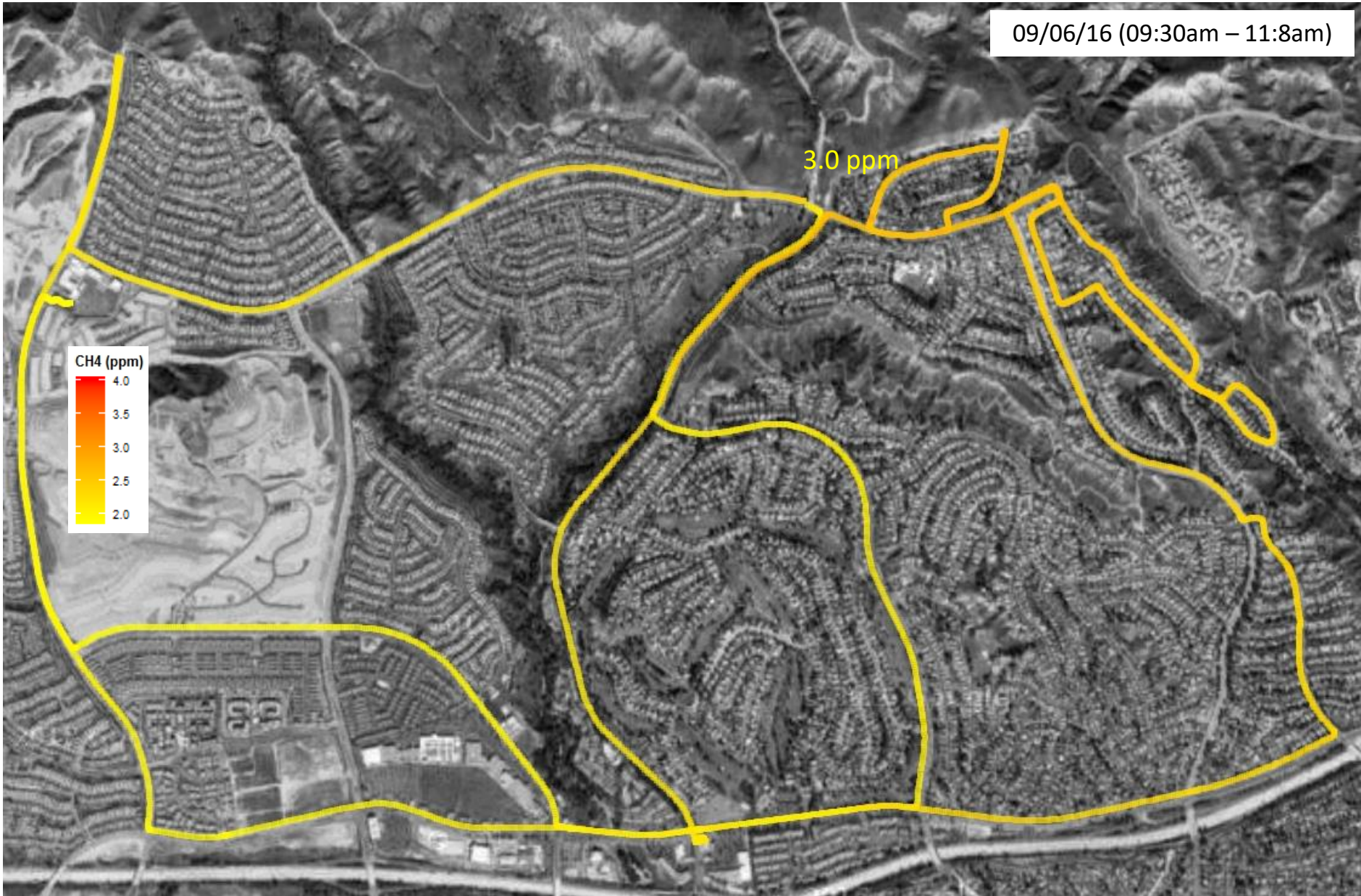
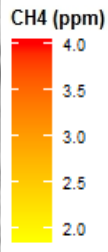
09/01/16 (10:50am – 2:55pm)

2.2 ppm



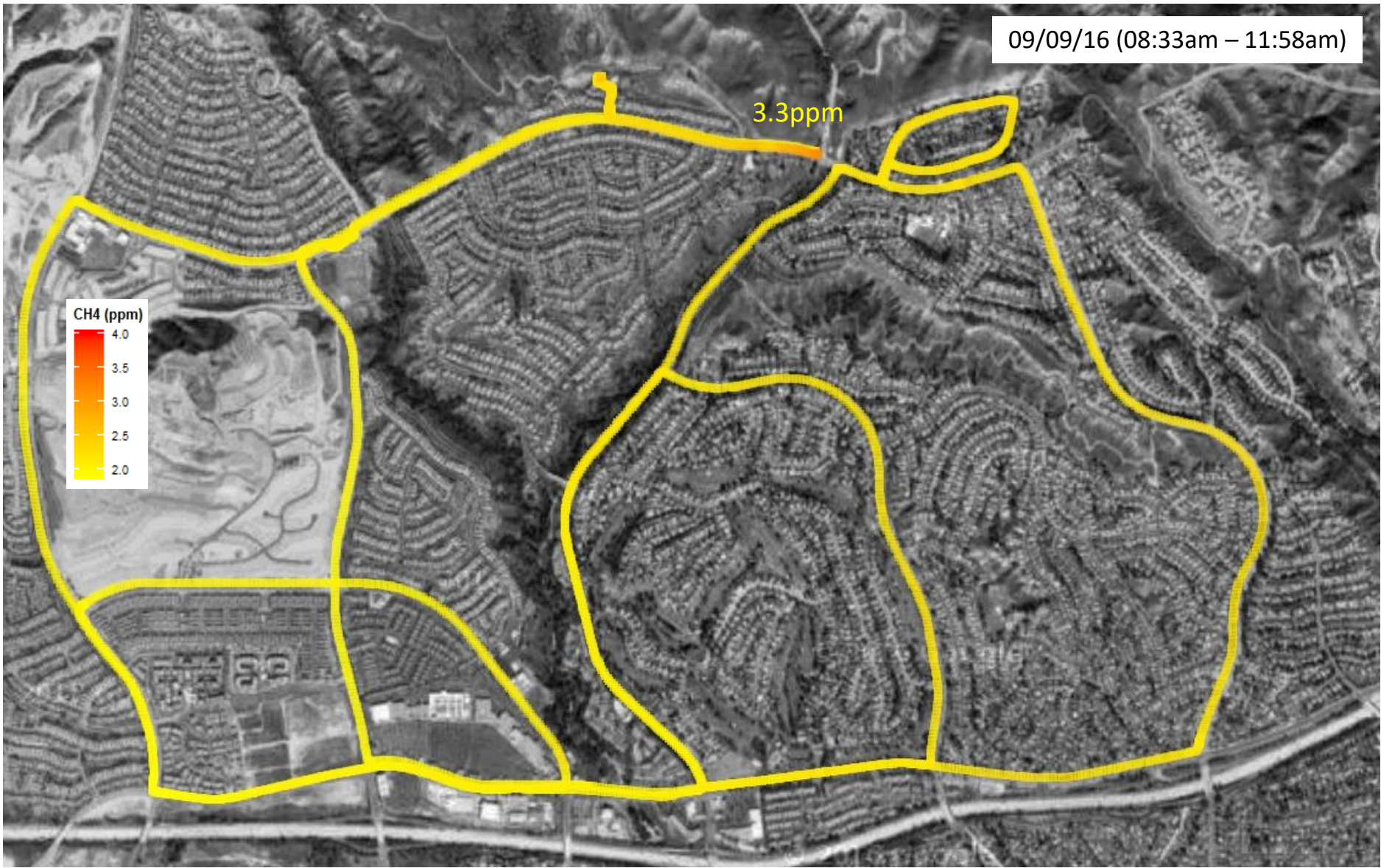
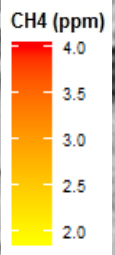
09/06/16 (09:30am – 11:8am)

3.0 ppm

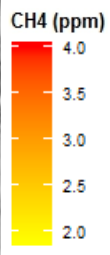


09/09/16 (08:33am - 11:58am)

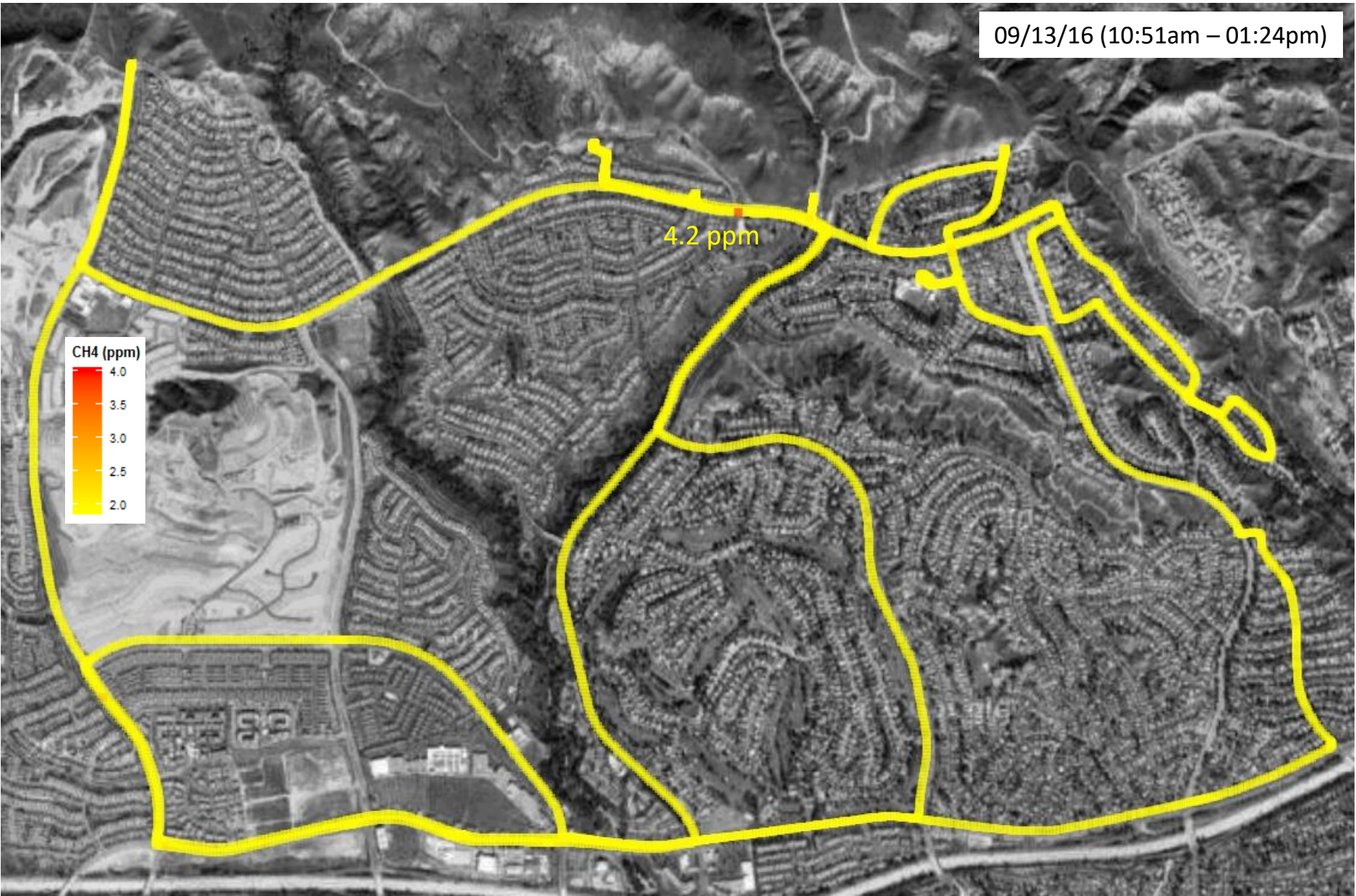
3.3ppm



09/13/16 (10:51am - 01:24pm)

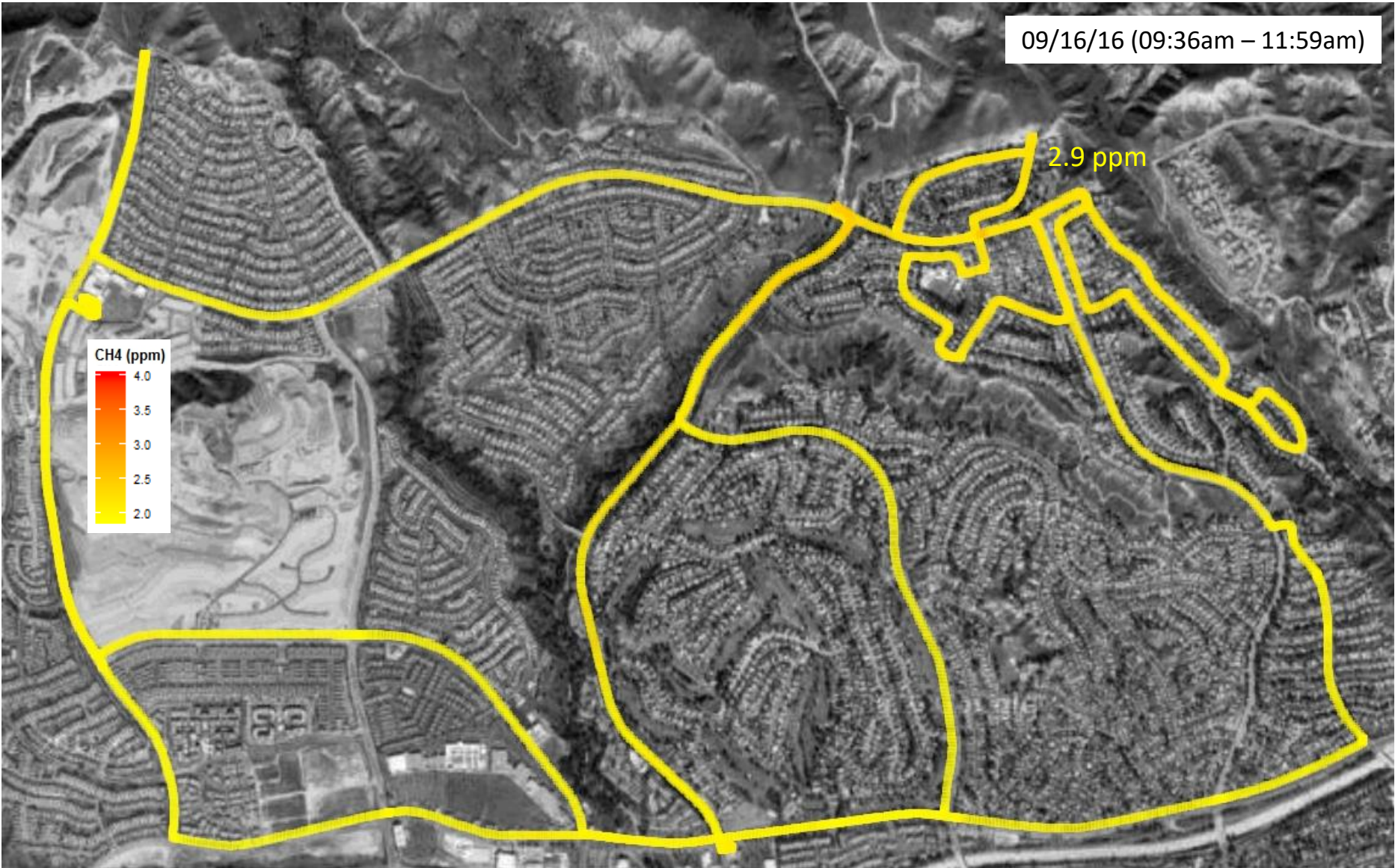
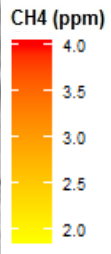


4.2 ppm



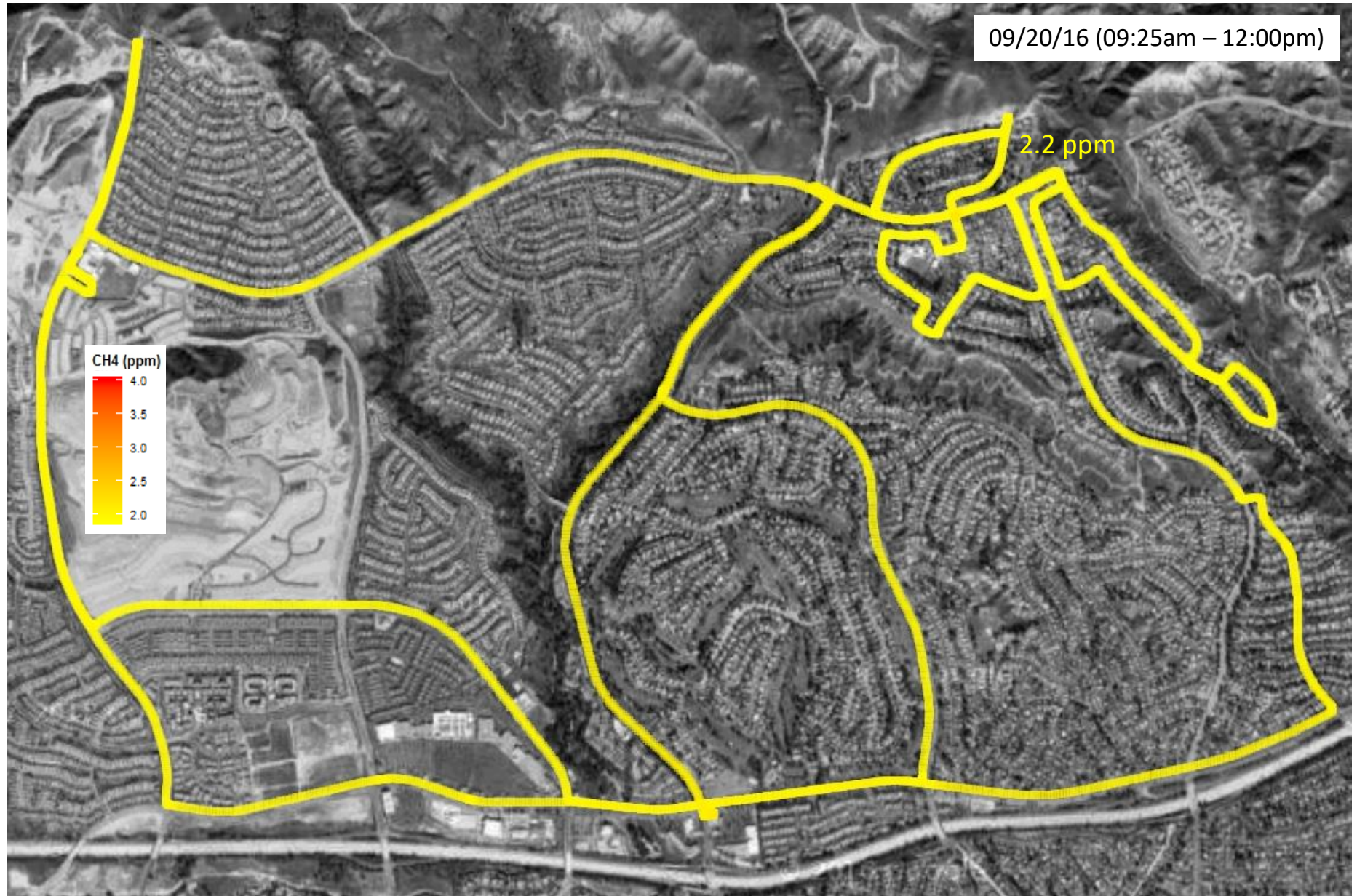
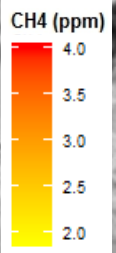
09/16/16 (09:36am – 11:59am)

2.9 ppm

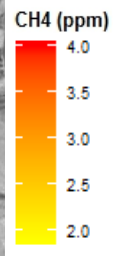


09/20/16 (09:25am – 12:00pm)

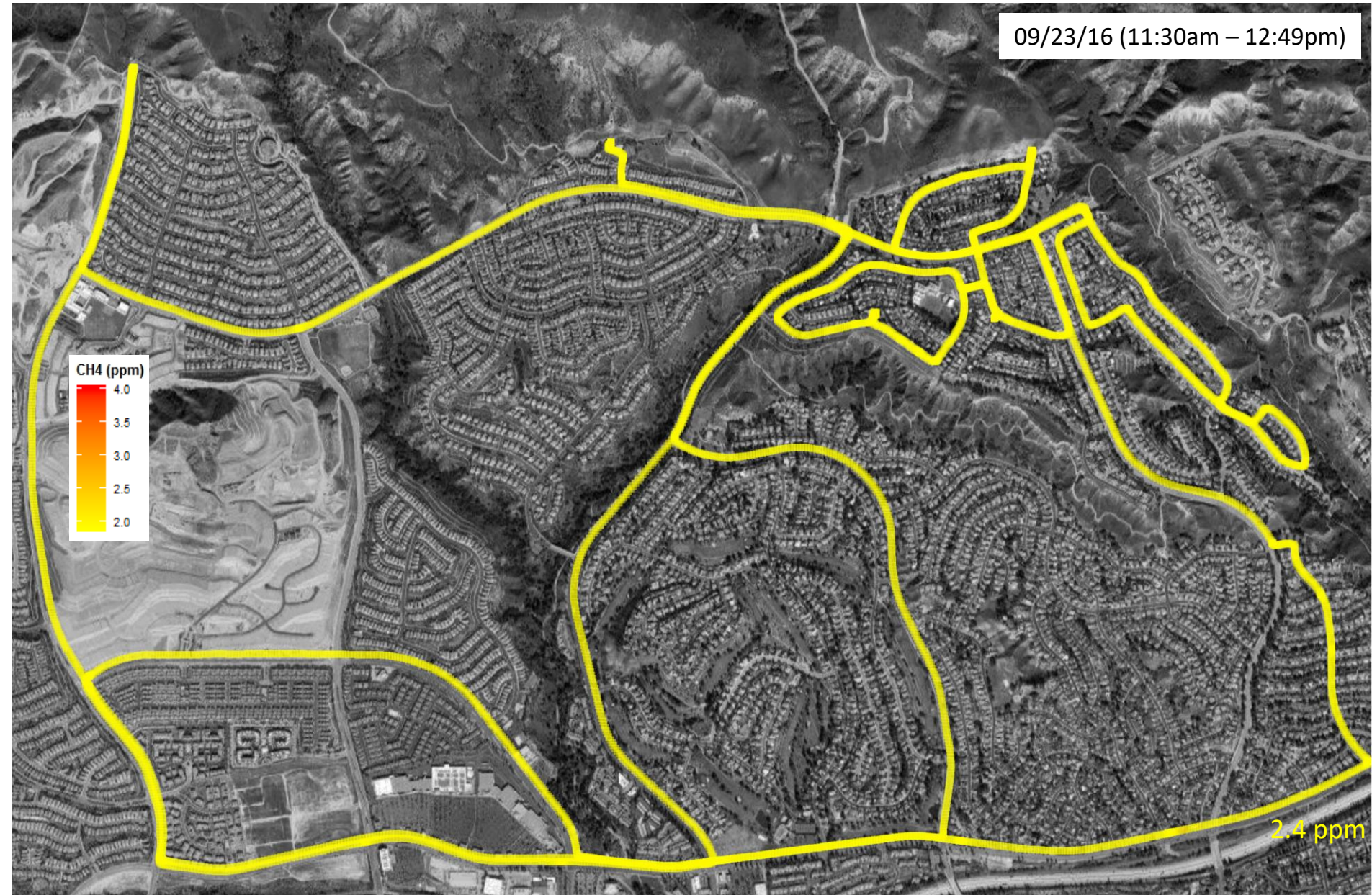
2.2 ppm



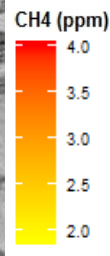
09/23/16 (11:30am – 12:49pm)



2.4 ppm



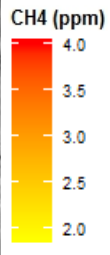
09/27/16 (09:41am – 12:12pm)



2.5 ppm



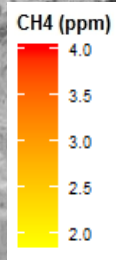
09/30/16 (09:13am – 12:04pm)



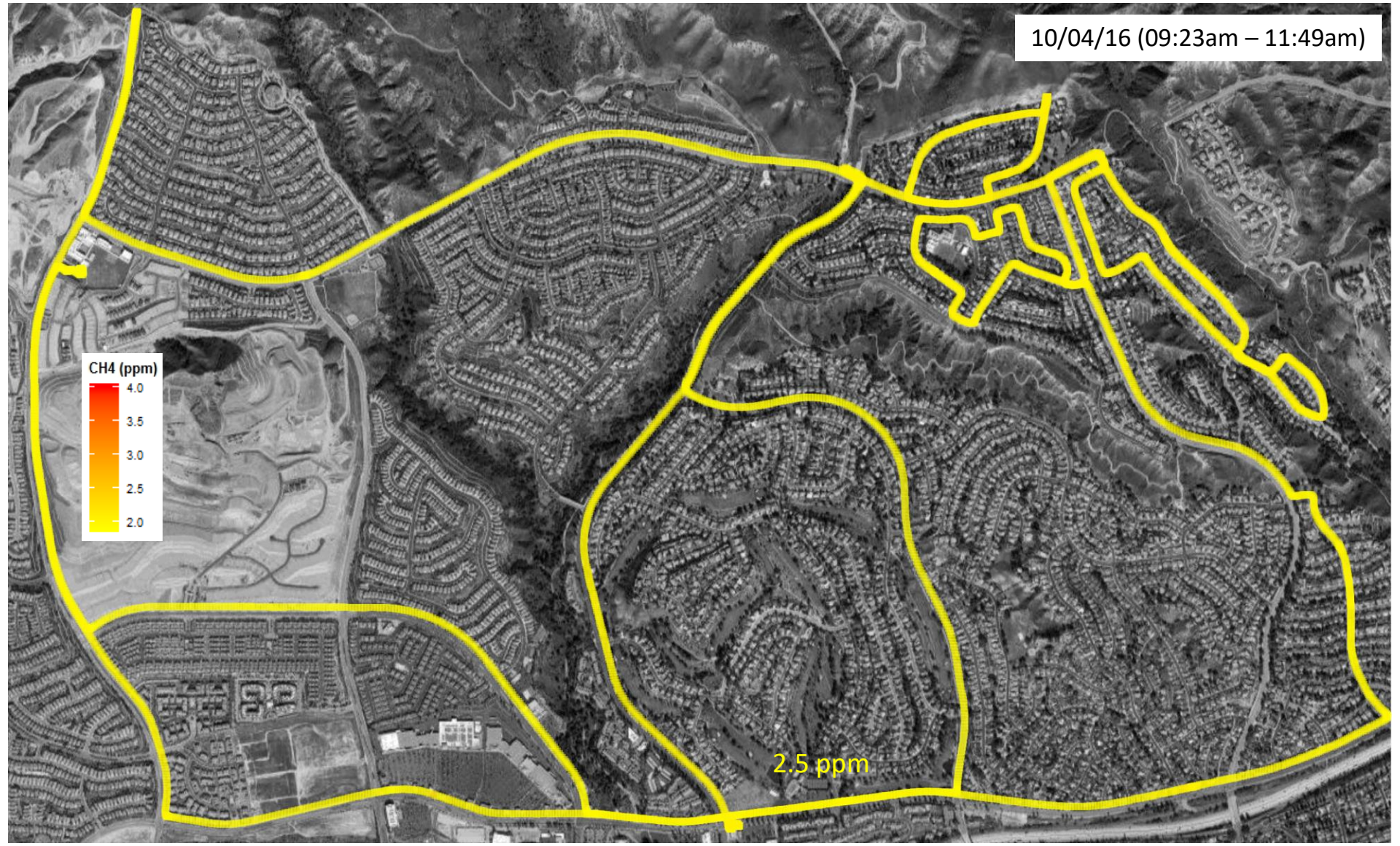
2.6 ppm



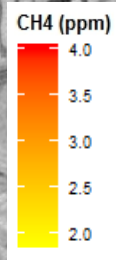
10/04/16 (09:23am - 11:49am)



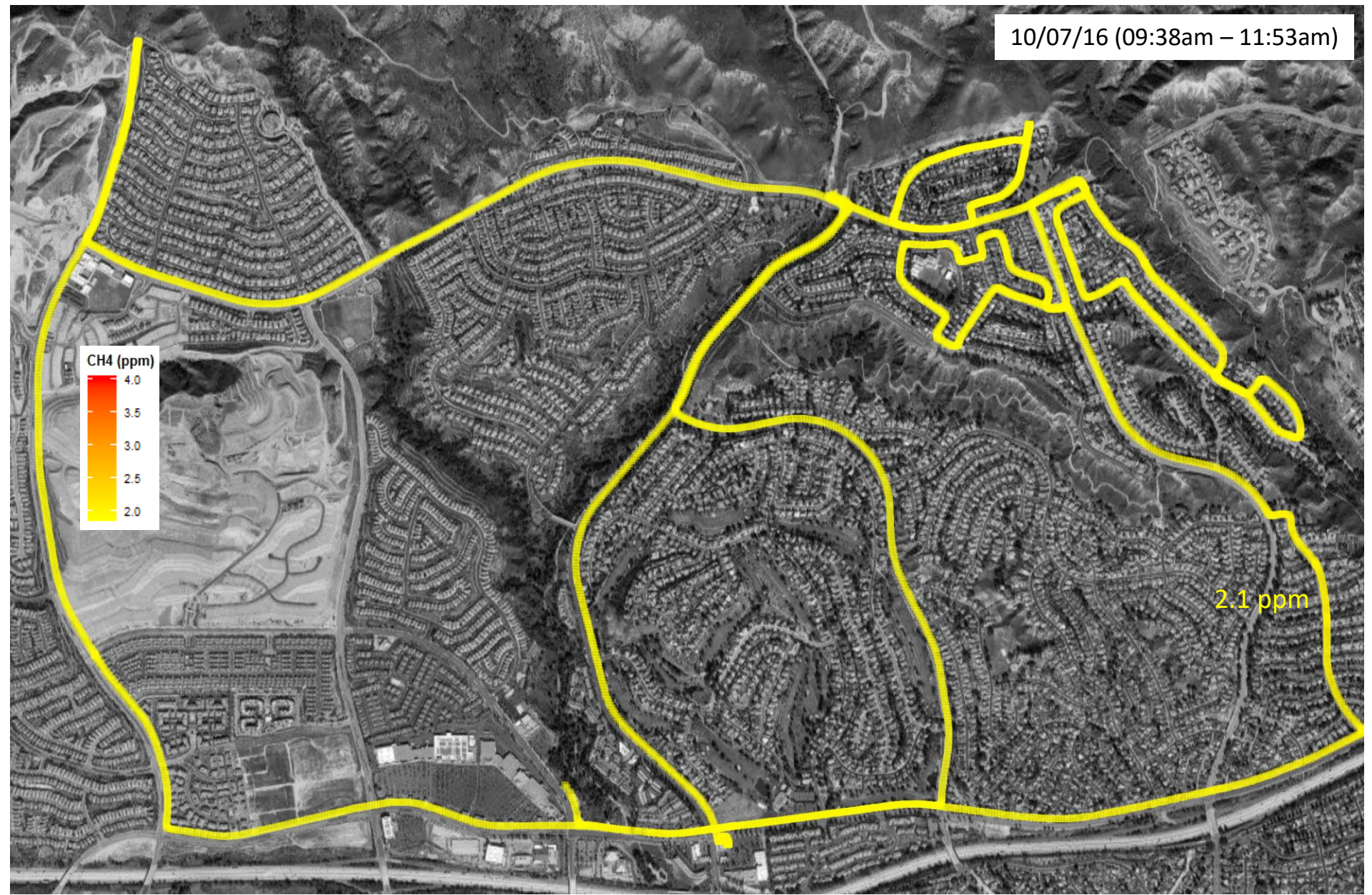
2.5 ppm



10/07/16 (09:38am – 11:53am)

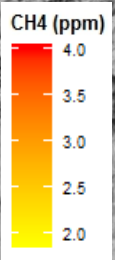


2.1 ppm

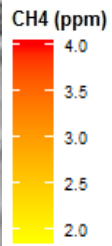


10/11/16 (09:32am – 11:55am)

2.5 ppm



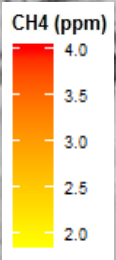
12/30/16 (12:40pm – 01:55pm)



2.0 ppm



01/27/17 (11:53am – 12:34pm)

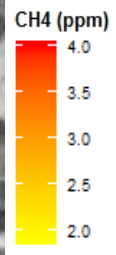


2.2 ppm

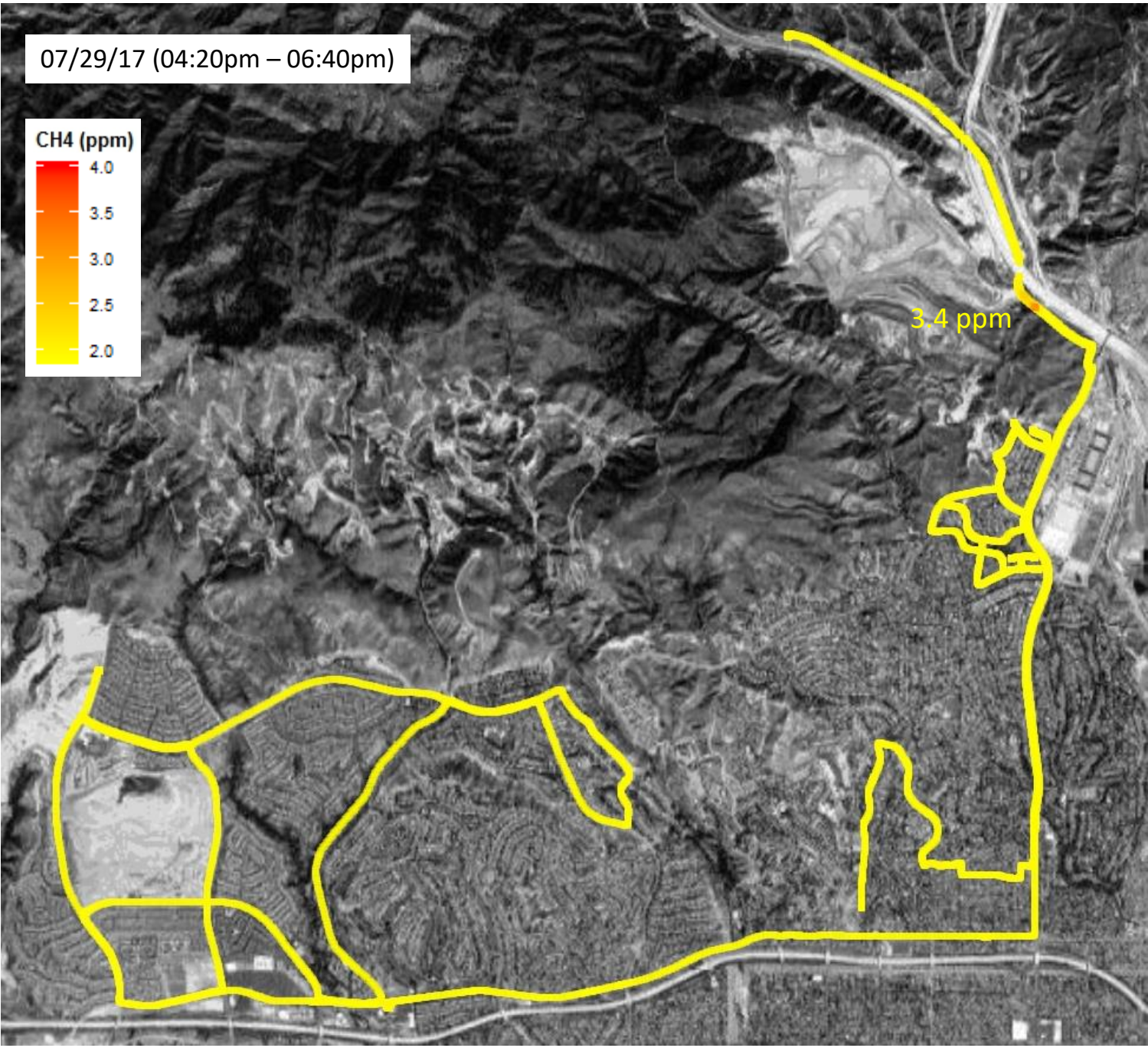
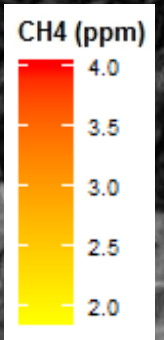


07/28/17 (08:10pm - 09:00pm)

2.3 ppm

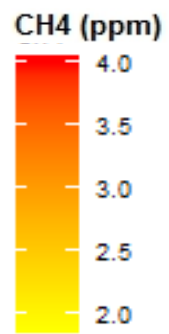


07/29/17 (04:20pm – 06:40pm)

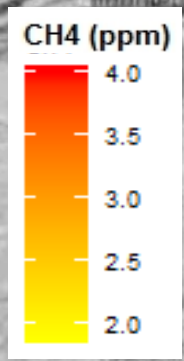


08/01/17 (02:34pm – 03:44pm)

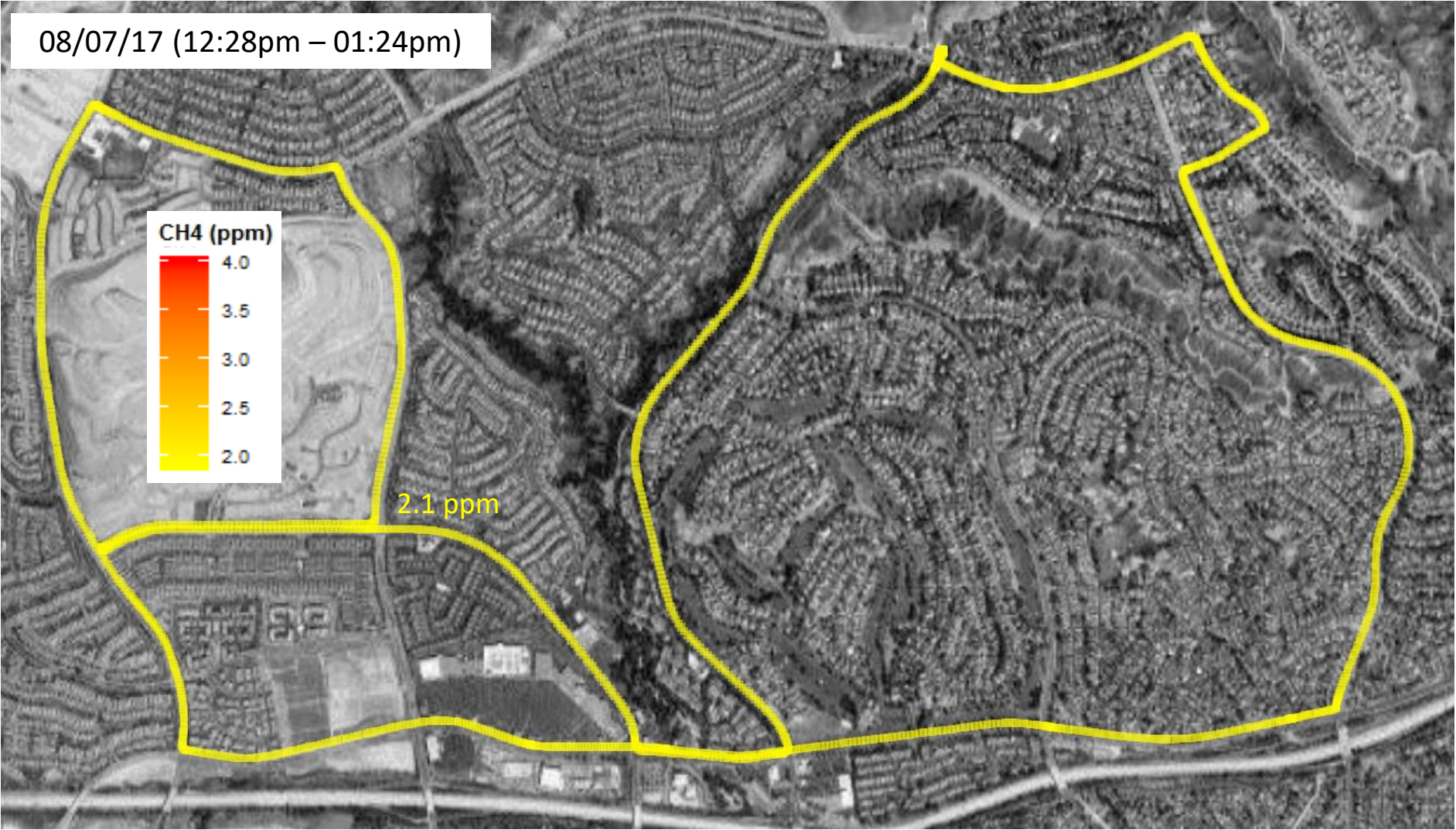
2.1 ppm



08/07/17 (12:28pm – 01:24pm)

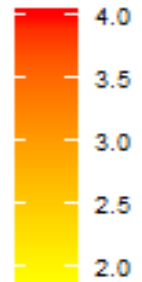


2.1 ppm



08/25/17 (01:36pm – 02:42pm)

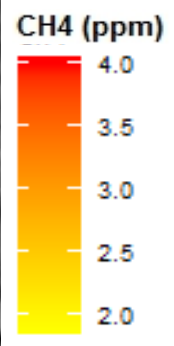
CH₄ (ppm)



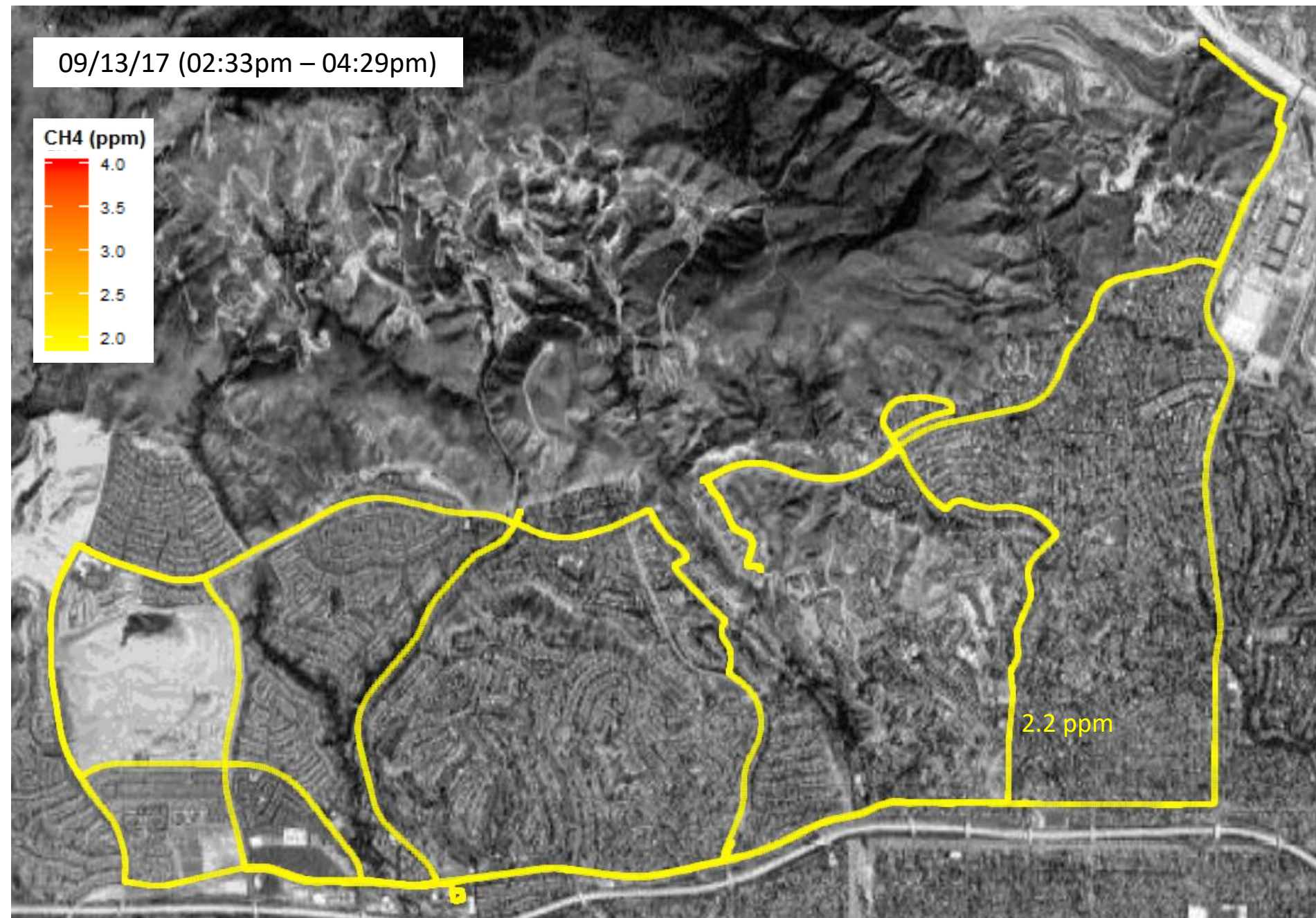
2.3 ppm



09/13/17 (02:33pm – 04:29pm)



2.2 ppm



06/05/19 (12:00pm – 03:30pm)

- Methane levels were at background level (~2.1 ppm) throughout the Porter Ranch community.
- The few slightly elevated levels of ~3ppm measured south of Porter Ranch only lasted for a few seconds and were not likely related to methane emissions from SoCalGas facility.

