

LOVE FIELD ENVIRONMENTAL ADVISORY COMMITTEE QUARTERLY REPORT

January 18, 2018

Dallas Love Field
7555 Lemmon Ave
Conference Room 103



AGENDA

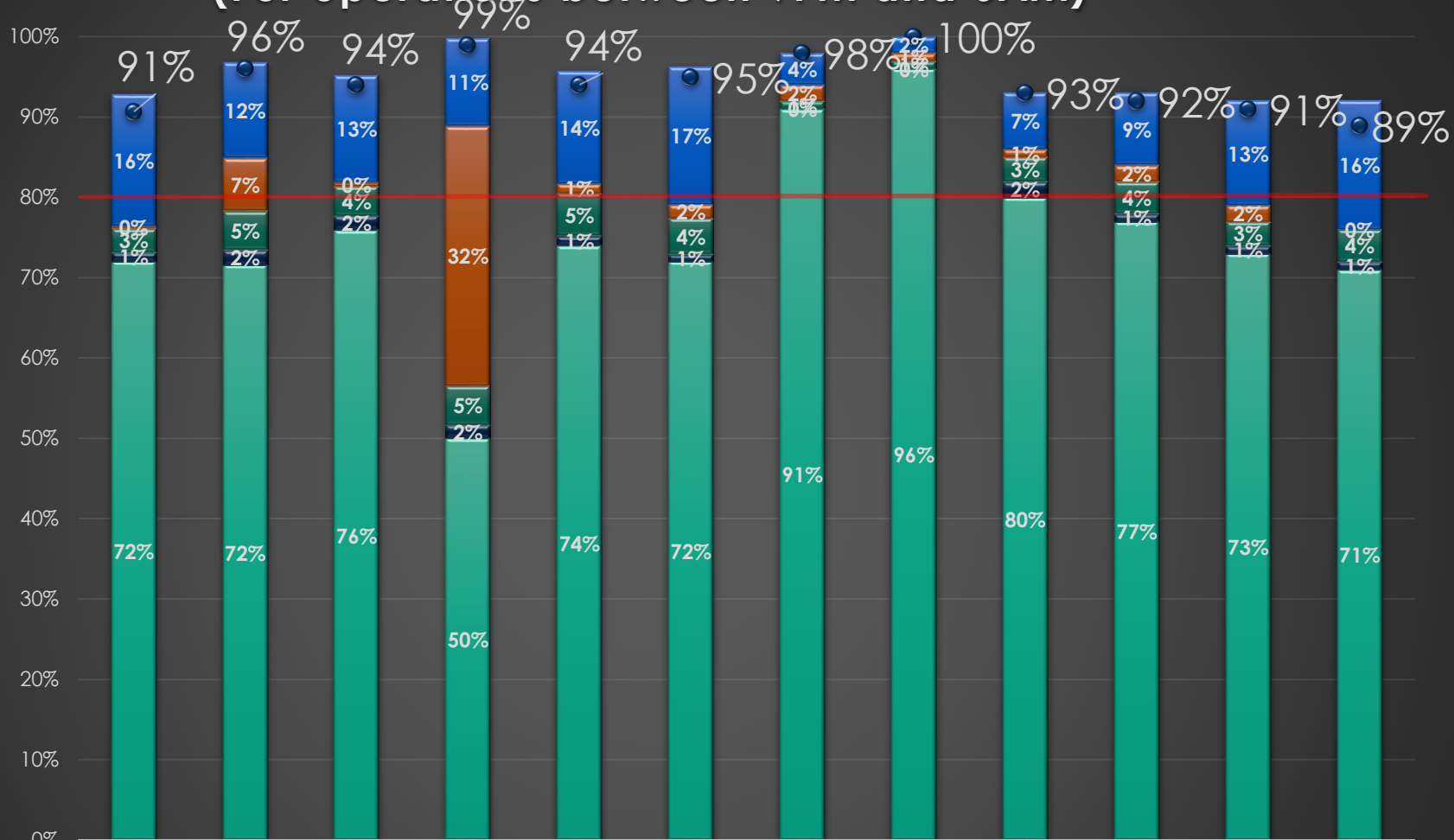
- ▶ Noise Control
 - ▶ Preferential Runway Participation Percentage
 - ▶ Noise Complaints
- ▶ Noise Operations and Monitoring System
 - ▶ New Vendor – Casper
- ▶ Open Discussion
- ▶ Next Meeting – April 19, 2018

VOLUNTARY NOISE CONTROL PROGRAM DURING PREFERENTIAL HOURS

2100 – 0600

(JAN–DEC 2017)

Preferential Runway Program Performance Measure (For operations between 9PM and 6AM)



2017	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ATC SPACING	16%	12%	13%	11%	14%	17%	4%	2%	7%	9%	13%	16%
CONSTRUCTION	0%	7%	0%	32%	1%	2%	2%	1%	1%	2%	2%	0%
WEIGHT 13L/31R	3%	5%	4%	5%	5%	4%	1%	1%	3%	4%	3%	4%
MEDICAL 13L/31R	1%	2%	2%	2%	1%	1%	0%	0%	2%	1%	1%	1%
Raw Data	72%	72%	76%	50%	74%	72%	91%	96%	80%	77%	73%	71%
Percentage	91%	96%	94%	99%	94%	95%	98%	100%	93%	92%	91%	89%

▶ Preferential Runway Program Performance Measure explanations

- ▶ ATC SPACING - (\pm)2 minutes of aircraft landing on Preferential Runway to allow for ATC spacing needs
- ▶ CONSTRUCTION – Aircraft used Runway 13L/31R due to a closure of Preferential Runway
- ▶ WEIGHT – Aircraft exempt from participation since it is a Turboprop aircraft under 12,500 lbs
- ▶ MEDICAL – Aircraft used runway 13L/31R in the process of responding to a medical emergency
- ▶ RAW – Runway utilization prior to any adjustments

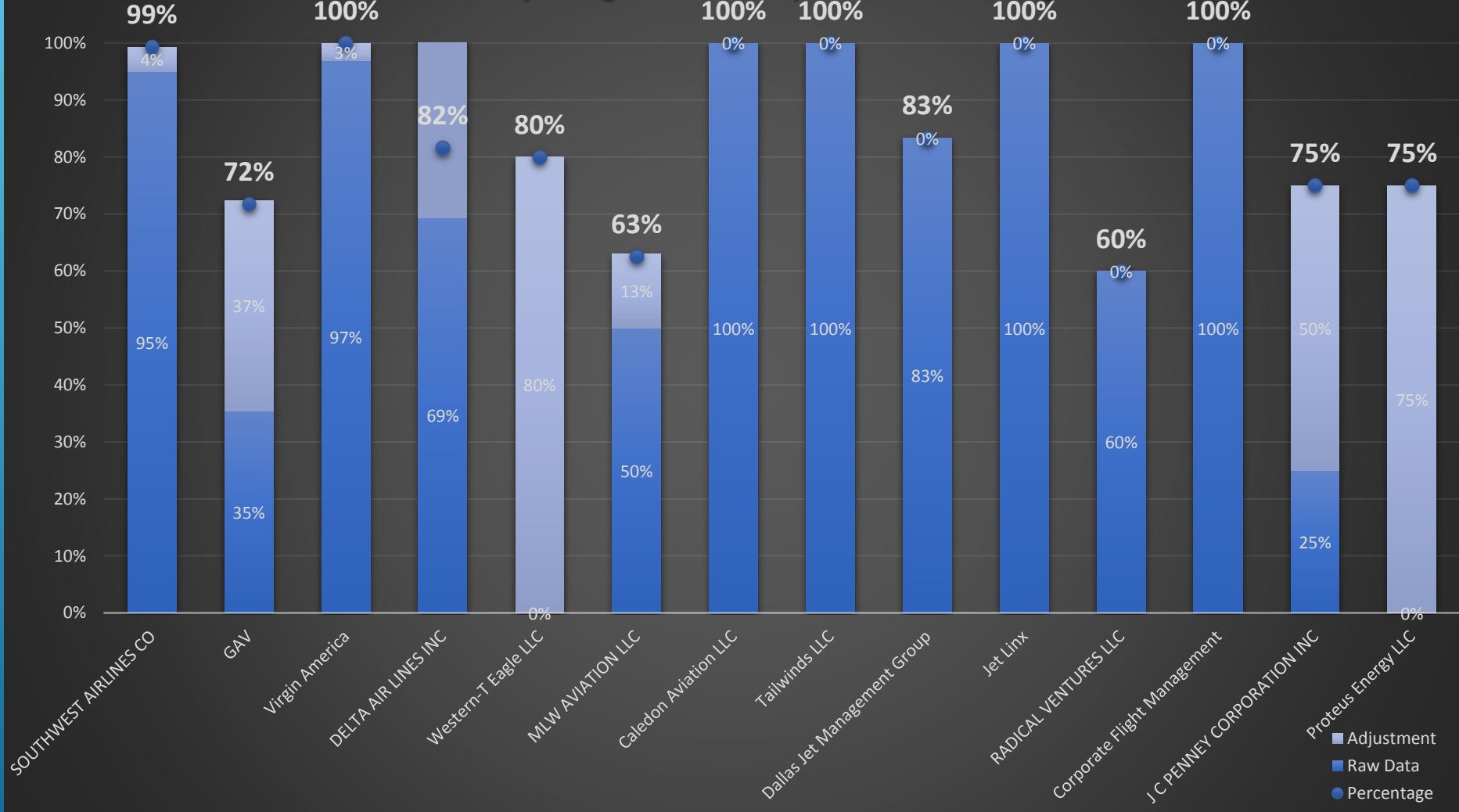


OPERATORS DURING PREFERENTIAL HOURS

2100 – 0600

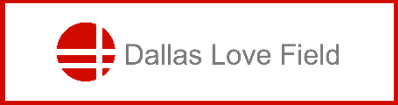
(OCT–DEC 2017)

Preferential Runway Program Participation Percentage - October

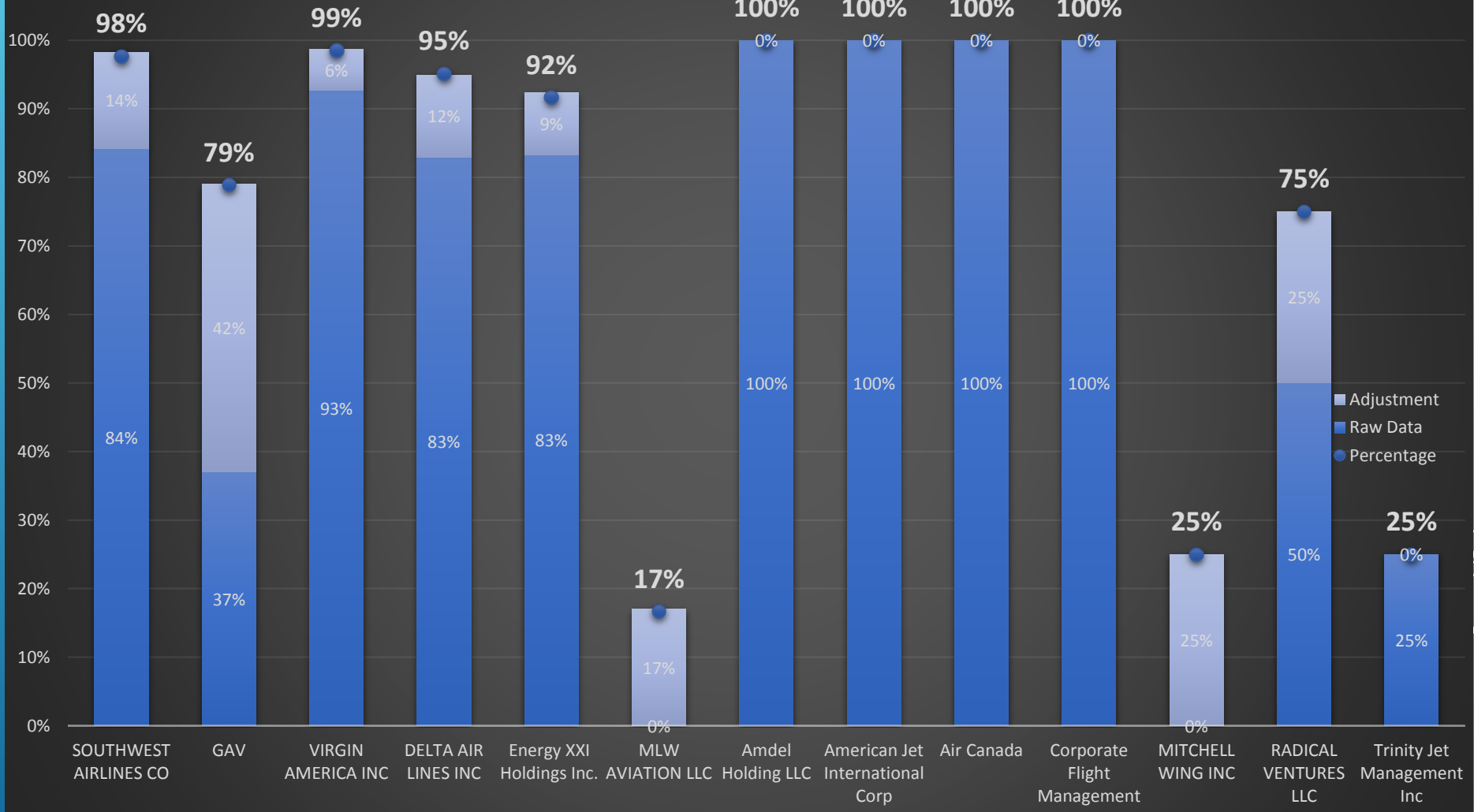


*GAV – All operators who operated at DAL less than 4 times in the month

OCT 2017



Preferential Runway Program Participation Percentage - November

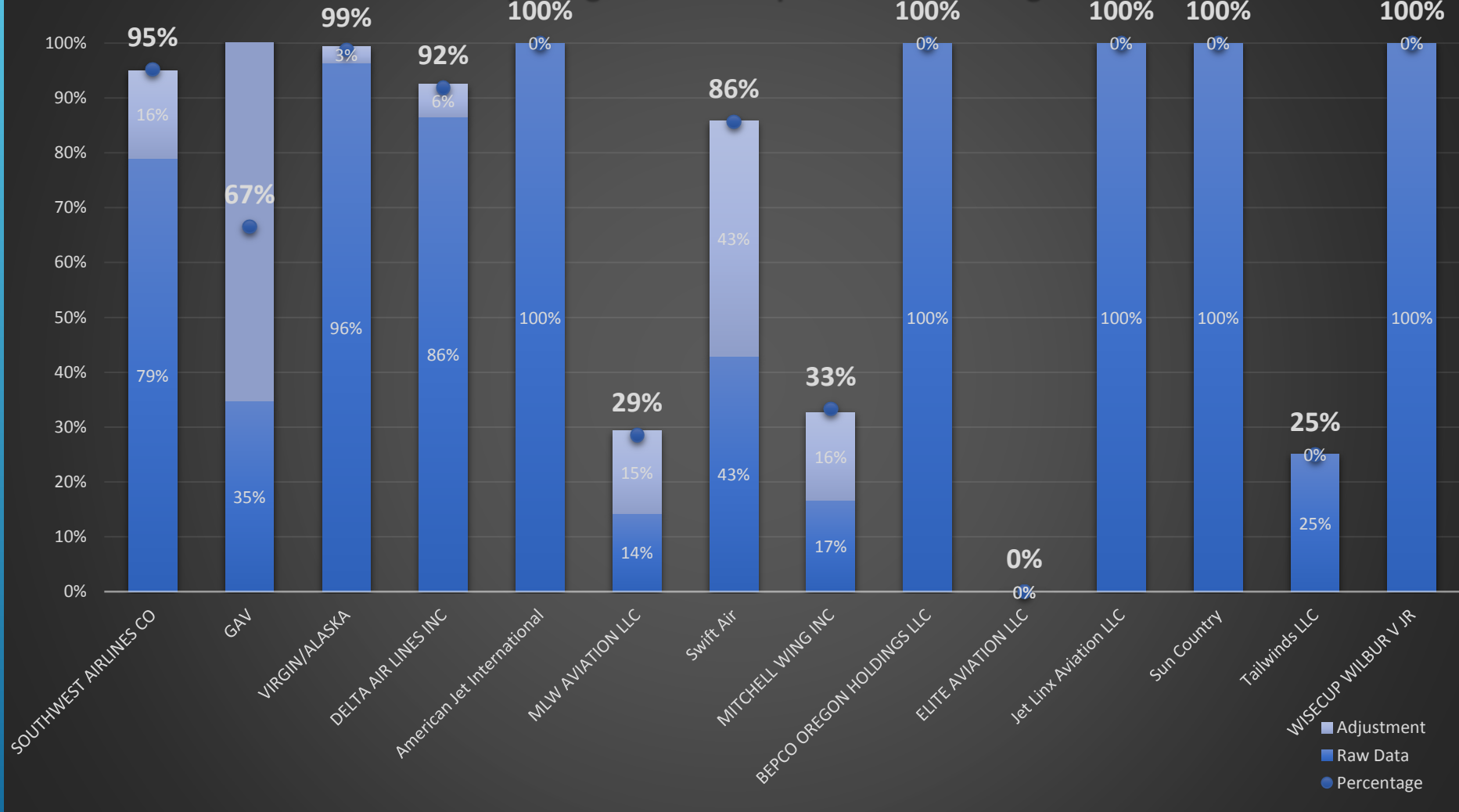


*GAV – All operators who operated at DAL less than 4 times in the month

NOV 2017

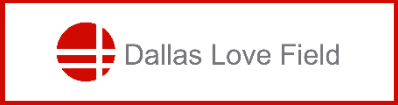


Preferential Runway Program Participation Percentage - December



*GAV – All operators who operated at DAL less than 4 times in the month

DEC 2017



NOISE COMPLAINTS

- ▶ 2014: 976 Complaints
 - ▶ 260 Complainants
- ▶ 2015: 2503 Complaints
 - ▶ 169 Complainants
- ▶ 2016: 1768 Complaints
 - ▶ 175 Complainants
- ▶ 2017: 837 Complaints
 - ▶ 120 Complainants

*Includes RBD and Non Identified

NEW NOISE AND OPERATIONS MONITORING SYSTEM

- ▶ Casper Noise
 - ▶ Based out of the Netherlands
- ▶ Customers Around the World
 - ▶ London Gatwick
 - ▶ Auckland
 - ▶ Amsterdam Schiphol
 - ▶ Dallas Fort Worth
 - ▶ Tampa
 - ▶ San Diego
 - ▶ Frankfurt
- ▶ Noise Operations and Monitoring System
 - ▶ New Public Portal
 - ▶ Spanish and English
 - ▶ Will be adding Noise Lab for additional data direct to community

CURRENT SYSTEM

Symphony PublicVue

City of Dallas

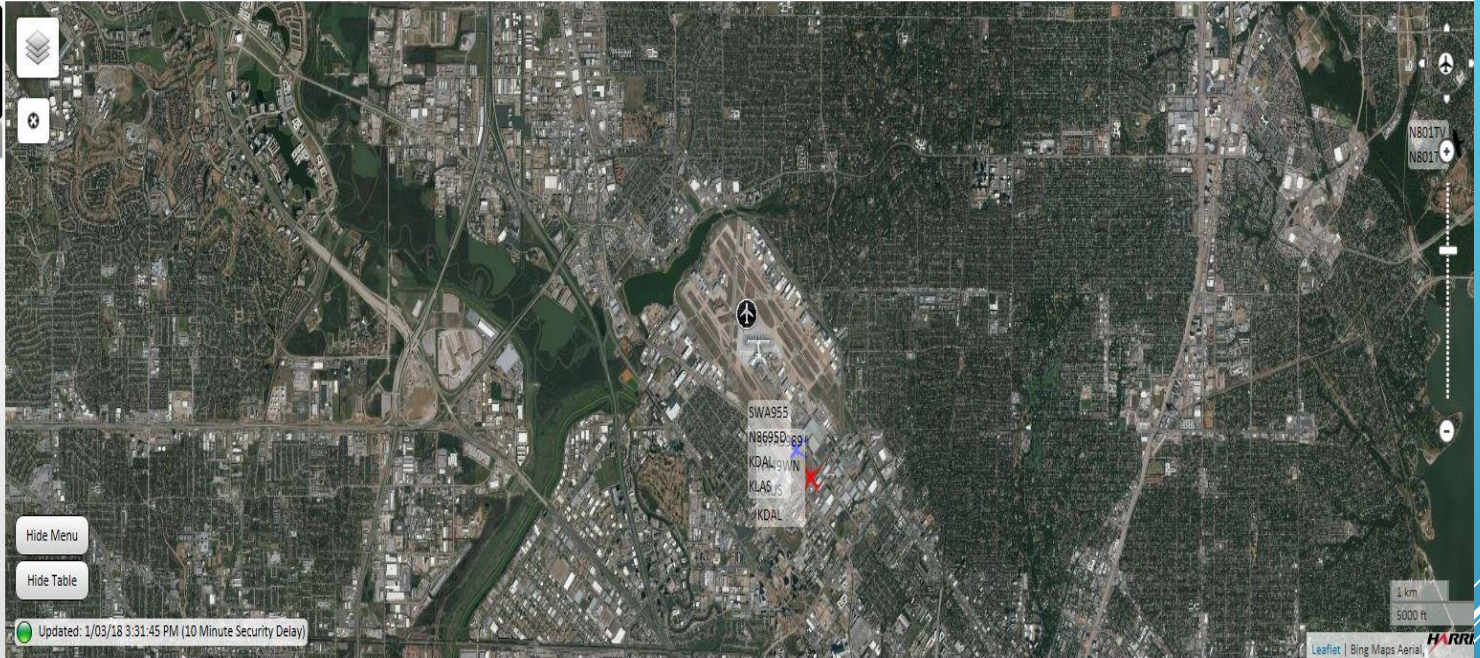


[Home](#) [Complaint](#) [Flight Tracking](#) [Contact Us](#)

- Details
- Tools
- Replay
- My Flights
- Help
- About
- Options

Properties

Select an object on the map to view its detailed properties



Flights

Flight ID	Tail Number	Destination	Altitude
SKW3360	N177SY	KDAL	1850
N1350S	N1350S	KDAL	18550
SWA1126	N927WN	KDAL	2875
SWA320	N413WN	KDAL	38000
N801TV	N801TV		950
SKV7665	CFEJB	KDFW	
LXJ553	N553FX	KDAL	
N520RP	N520RP	KDAL	



CASPER SYSTEM

Live
Replay Sat 31 Jul 2010 11:48:04

1x 2x 6x 10x 25x 50x 100x

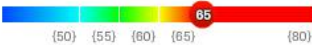
Overview Tracks Settings

Find a location
wilnis

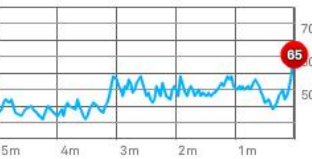
Show distance

Aircraft noise

Monitor name:
Monitor location:




(50) (55) (60) (65) (80)



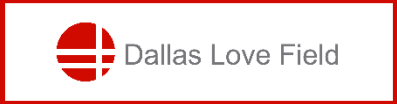
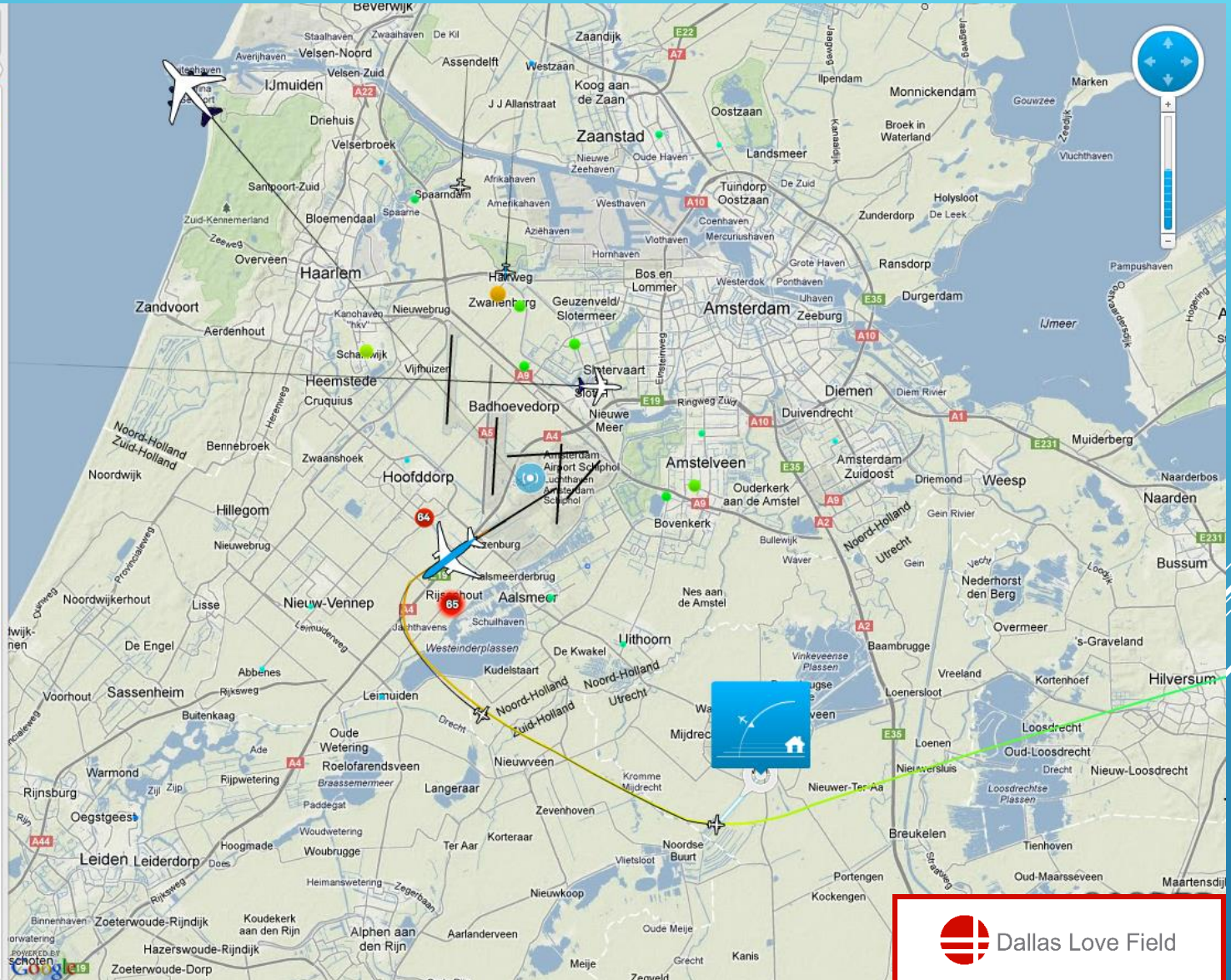
5m 4m 3m 2m 1m

Flight information

OHY966

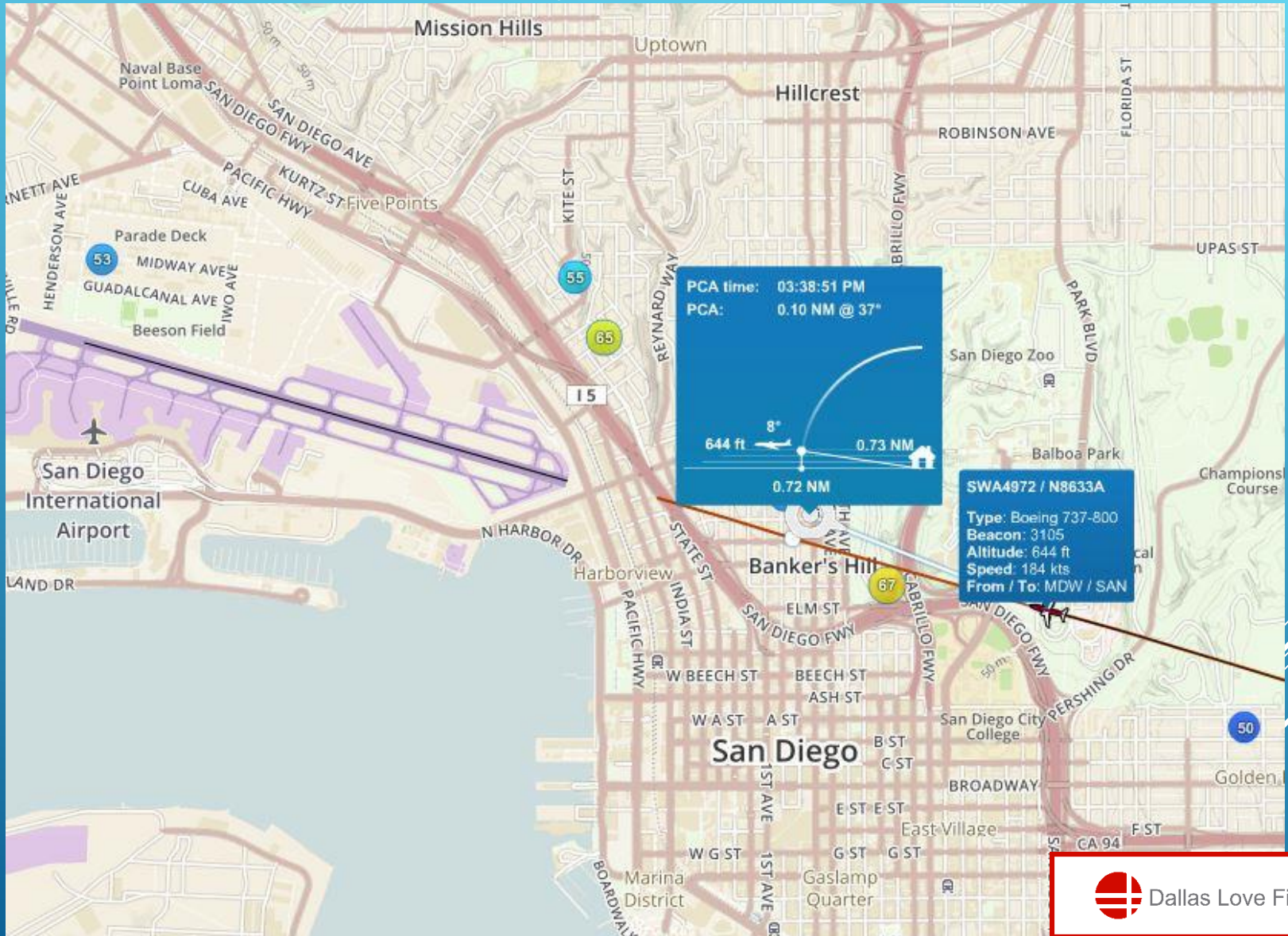


TC-OBH (© Airliners.net)



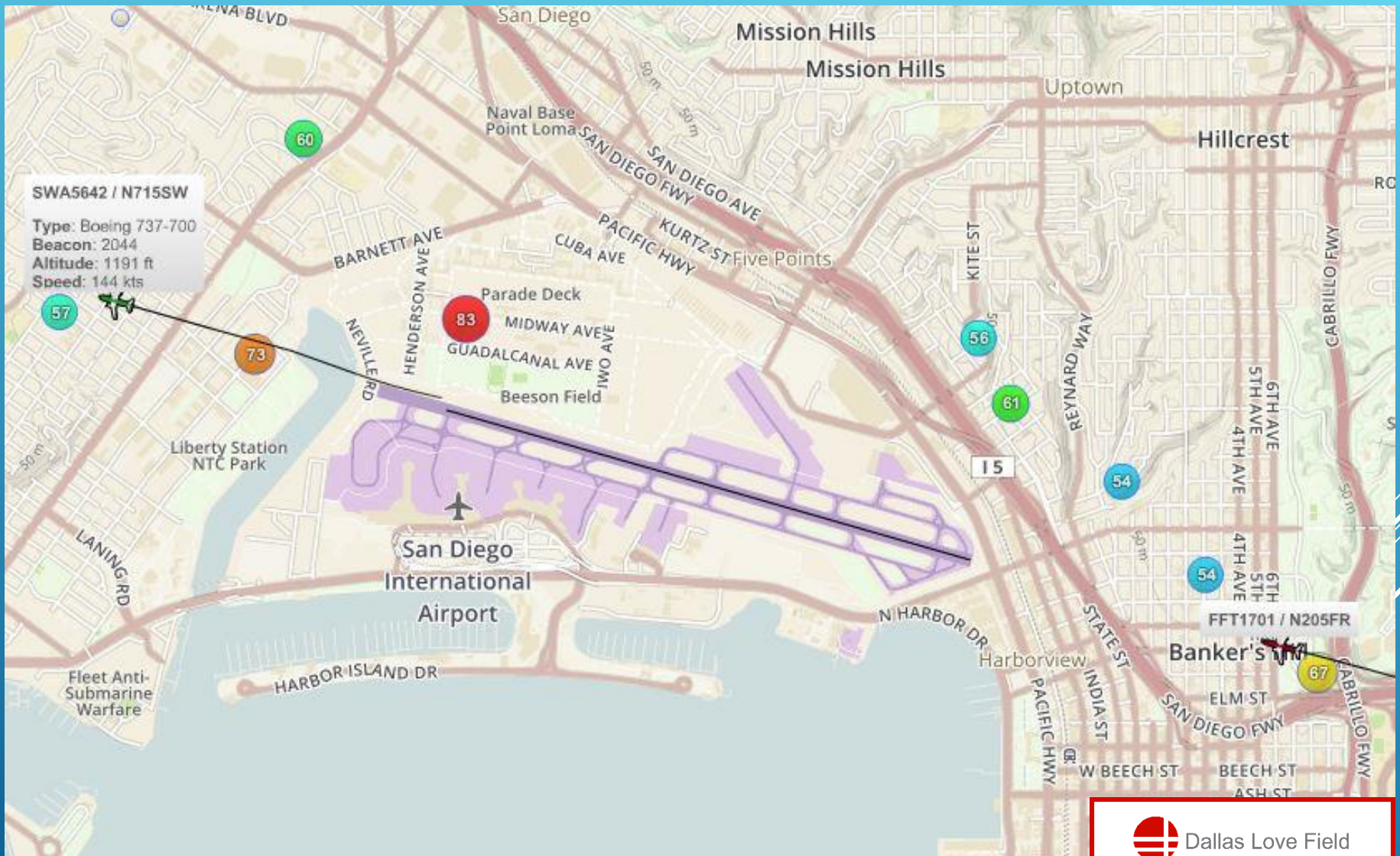
CASPER SYSTEM

Easily Accessible Data



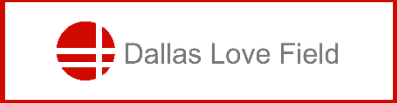
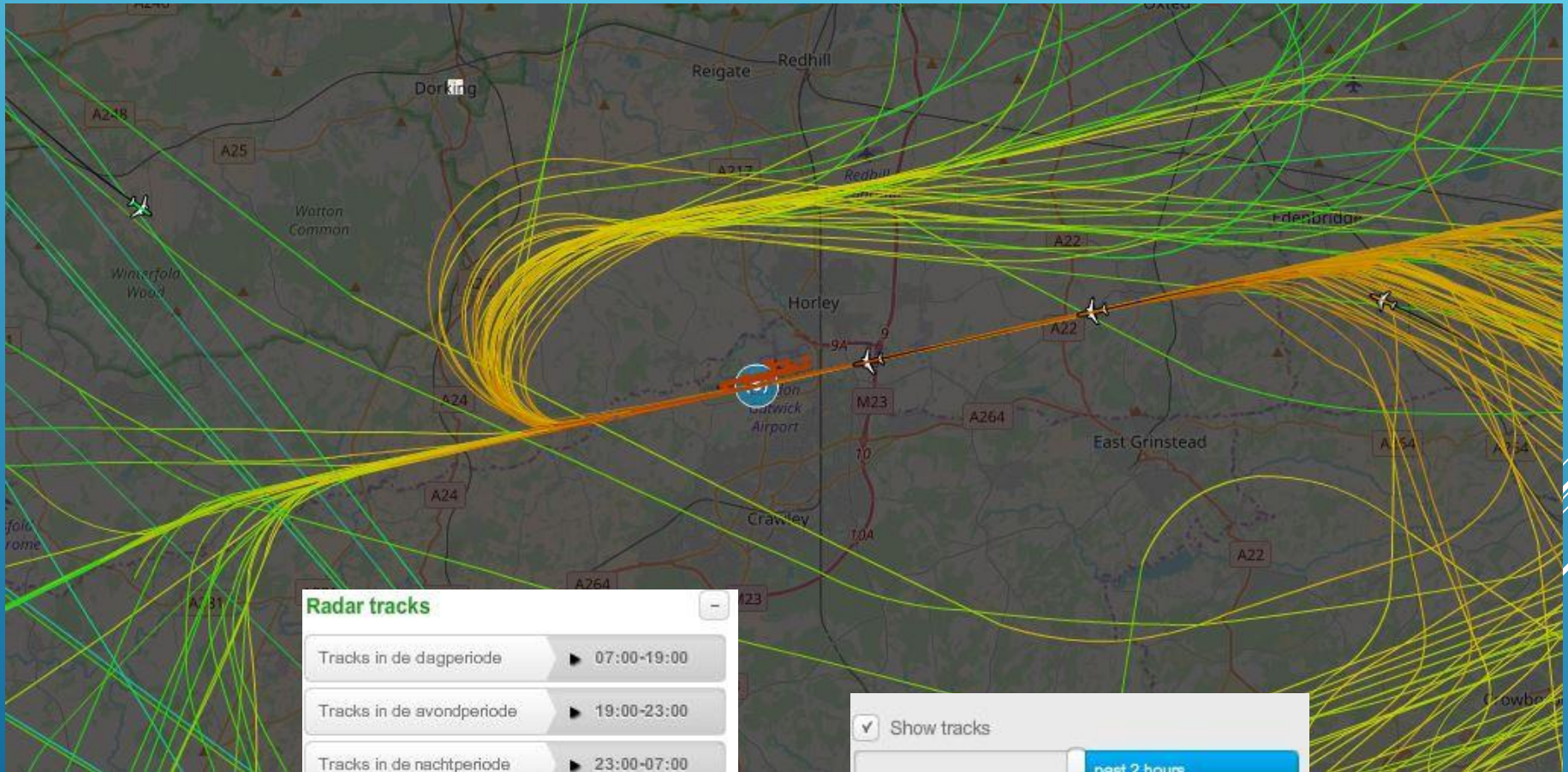
CASPER SYSTEM

Integrated Noise Monitors



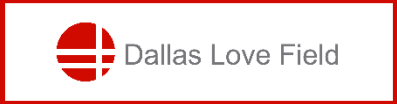
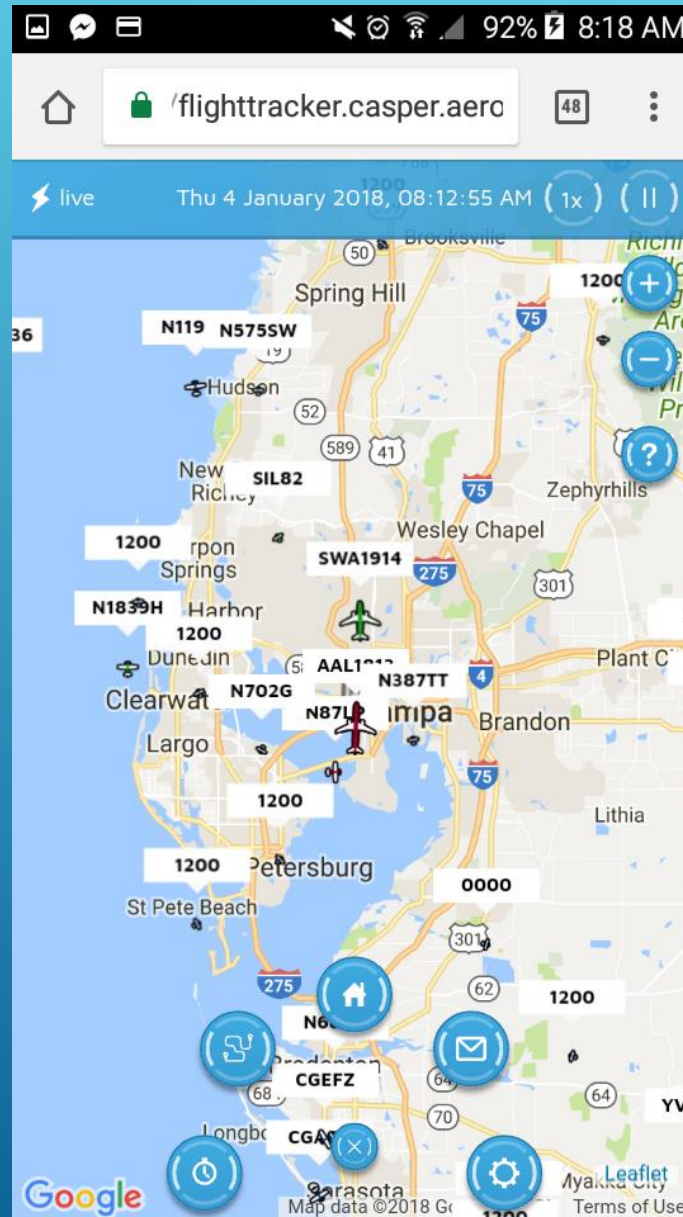
CASPER SYSTEM

Generate Flight Tracks



CASPER SYSTEM

Optimized for Phone




CASPER SYSTEM

Complain via Phone

8:18 AM 92% 49

flighttracker.casper.aero

 **Submit Noise Concern**

Name title:

First name:

Last name:

Street number:

Street:

City:



Dallas Love Field

CASPER SYSTEM

Permanent Noise Monitors

- ▶ Retiring the antiquated TA-400001 Noise Monitoring Stations around Love Field
 - ▶ Installing 4 new Larson Davis 831-NMS like ones currently around Dallas Executive
-
- ▶ Larson Davis 831-NMS
 - ▶ Solar Powered
 - ▶ Remote Calibration checks
 - ▶ Cell phone based technology




NEW NOISE AND OPERATIONS MONITORING SYSTEM

NOISE LAB
Mid 2018

CASPER SYSTEM


Noise Lab

TODAY



TUE 03 DEC 2013

ACTUAL




Map data ©2013 Google - Terms of Use

THE WEATHER

Schiphol Airport

0°C



1

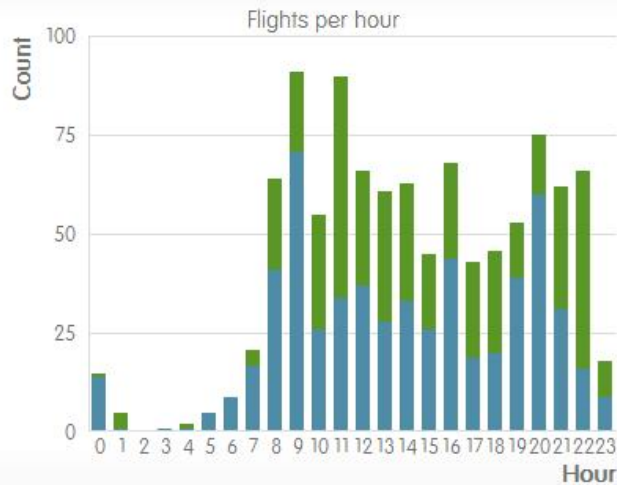
Scattered clouds, good visibility, light air (windspeed 1) from the North

CALENDAR < DEC 2013 >

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

15-12-2013: Maintenance at runway planned.

DATA FROM YESTERDAY



ABOUT NOISE LAB

...



ABOUT AIRCRAFT NOISE

The characteristics of sound from aircraft can va...



DIFFERENCES IN AIRCRAFT NOISE

Different aircraft type and different flying proce...



DATABROWSER

...



Dallas Love Field

CASPER SYSTEM

Number of flights utilizing departure procedure

HISTORIE

Periode

Anders...

19-04-2013

20-04-2013

Dag

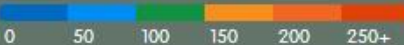
Nacht

Eemaal

Geluidmeetpost

meetpost 13 Leimuider

Geluidmetingen per dag



Baan

Kaagbaan (zuidwestzijde)

Richting

Starten

Landen

Beide

Grafieken

Alle grafieken

Maak rapport

Toelichting bij deze kaart

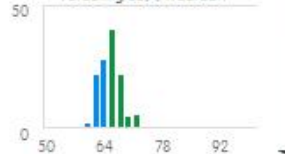


Periode van 19-04-2013 t/m 20-04-2013, meetpost 13, baan Kaagbaan (zuidwestzijde), starts

Verdeling starts per baan



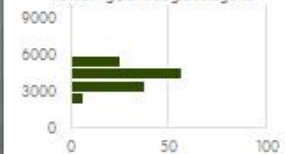
Verdeling dB(A) waarden



NAxx verdeling



Verdeling per hoogtecategorie



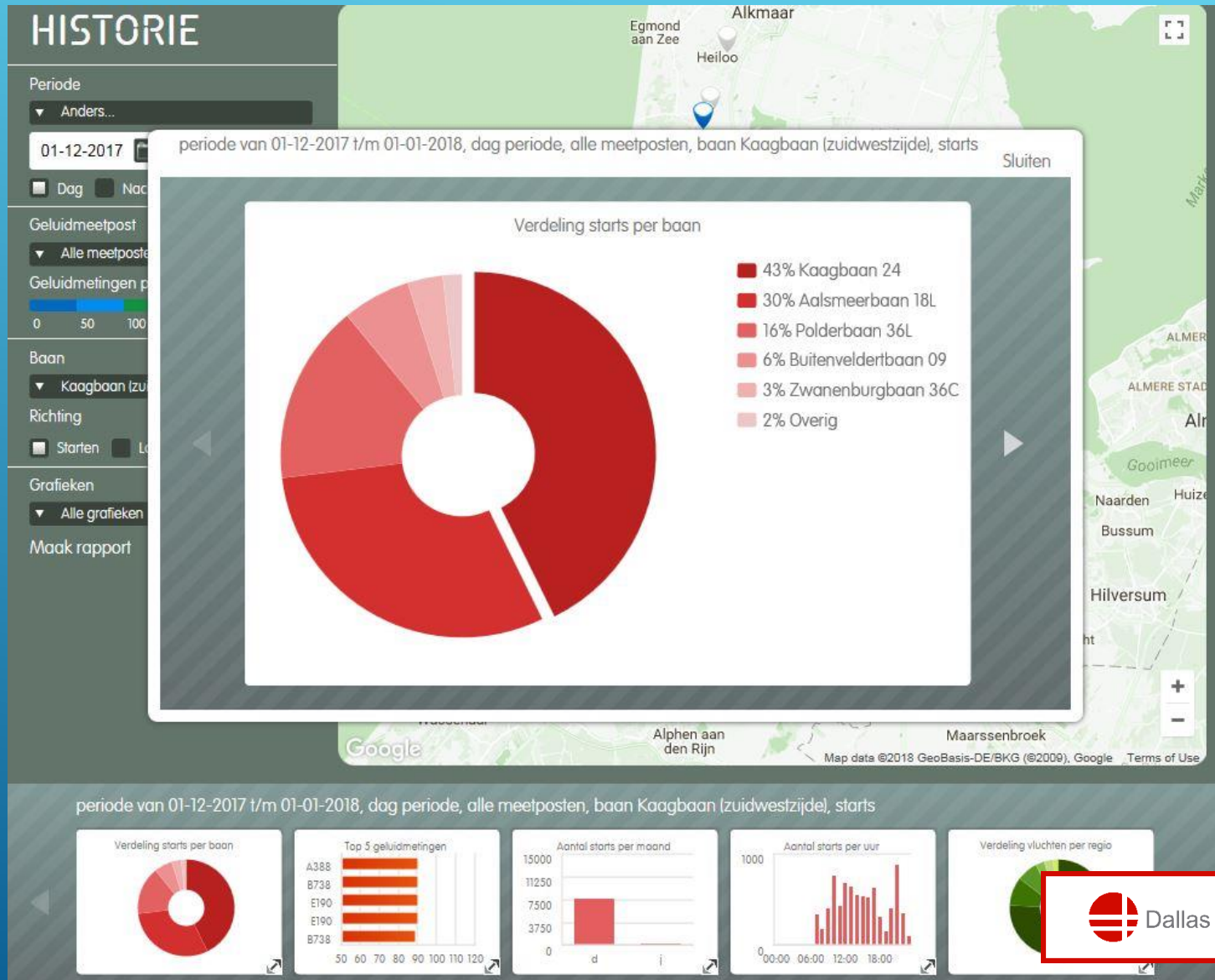
Top 5 geluidmetingen



Dallas Love Field

CASPER SYSTEM

Automatically generated charts and graphs



CASPER SYSTEM

See Departure and Arrival routes


TRAFFIC

Corridors

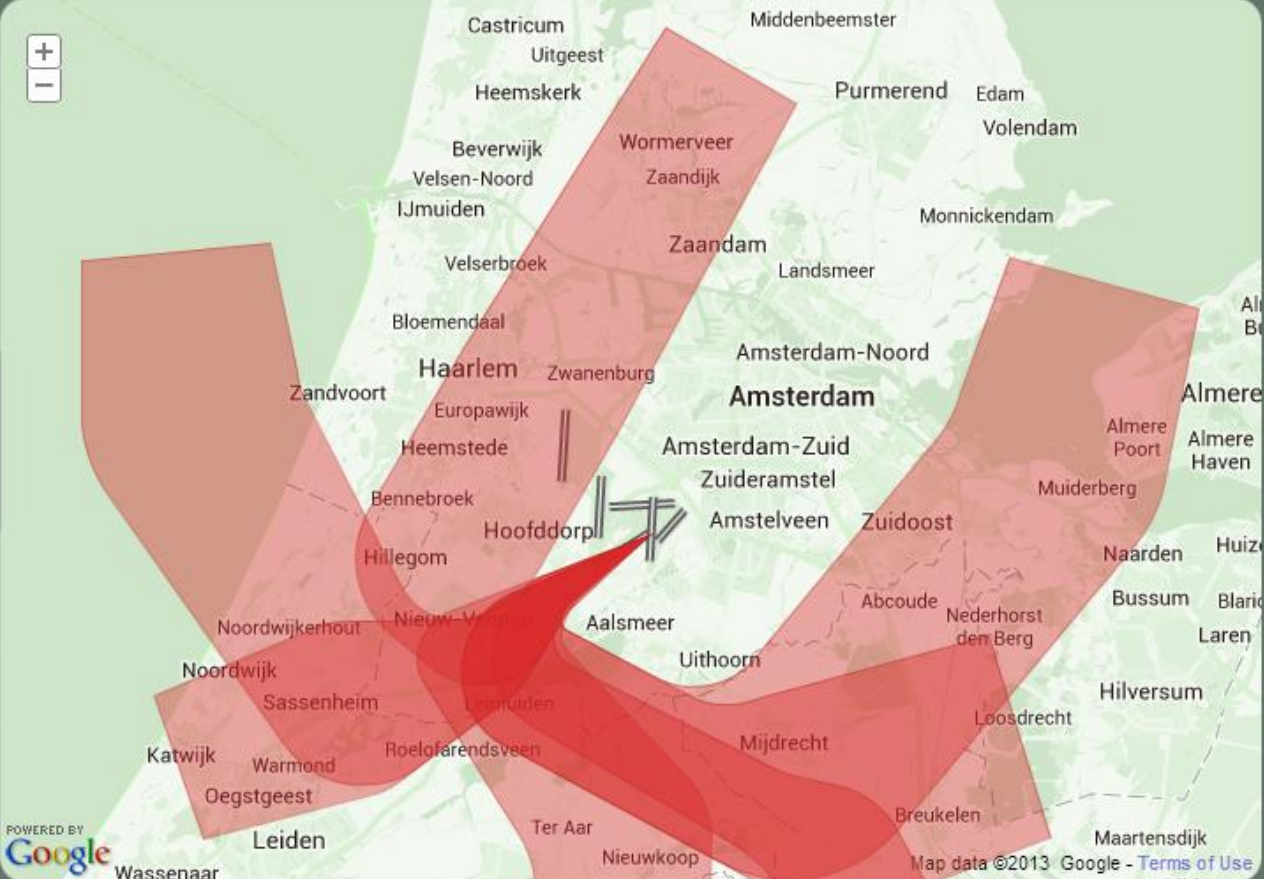
- Aalsmeerbaan - south
- Buitenveldertbaan - east
- Kaagbaan - northeast
- Kaagbaan - southwest
- Polderbaan - north
- Zwanenburgbaan - south
- Zwanenburgbaan - north
- Oostbaan - northeast
- Oostbaan - southwest

Period

- Day
- Night

Enter a location... 

Map data ©2013 Google - [Terms of Use](#)



CASPER SYSTEM


Flight track concentration

ACTUEEL

4 januari 2018
07:24:14

Baangebruik
■ start ■ landing

Geluidmeetposten
40  80 dB(A)

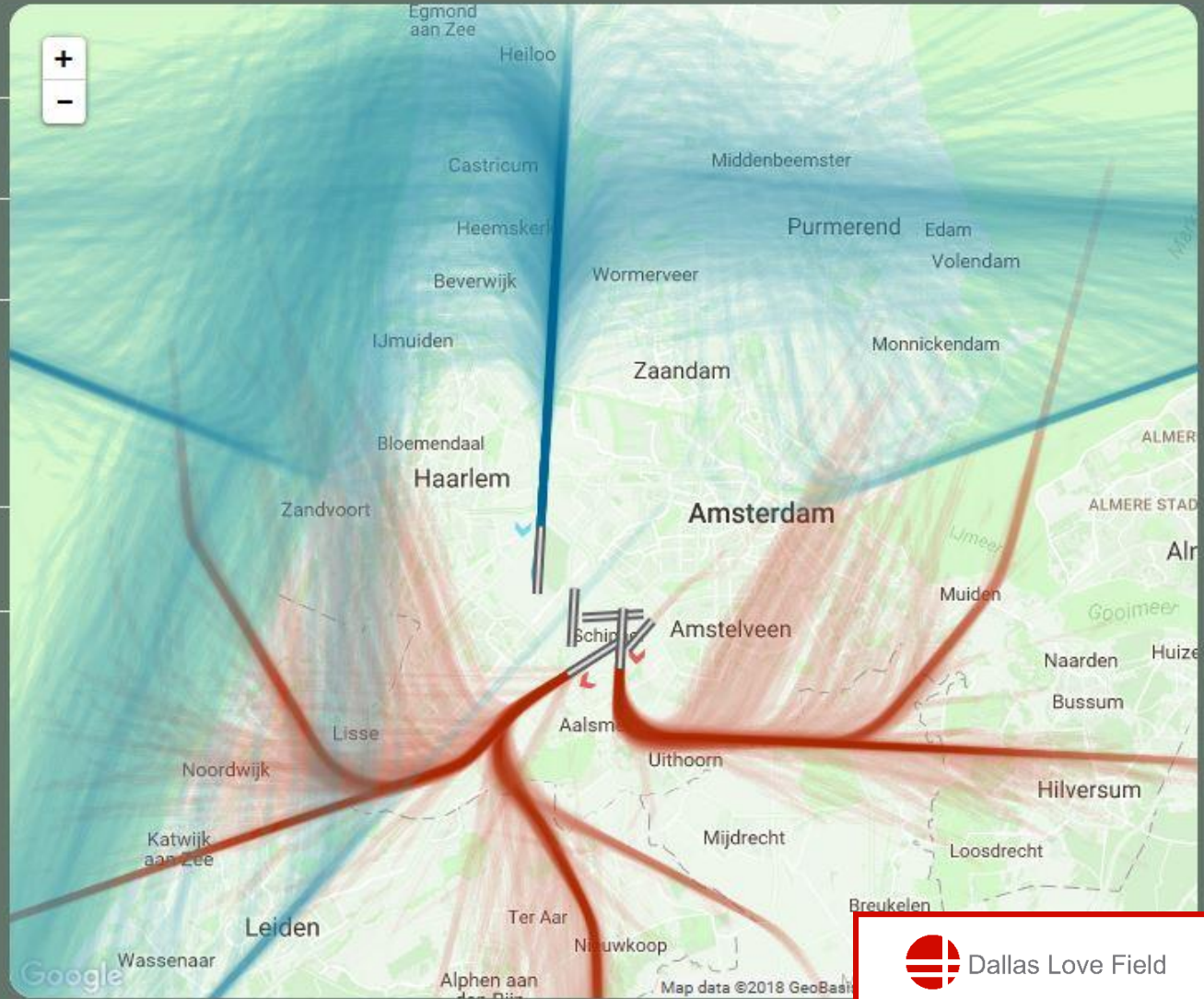
Laagfrequente meetposten
40  80 dB(C)

Geen meetposten

Vliegverkeersverdeling

Geluidverdeling

Toon mijn locatie...



Dallas Love Field

CASPER SYSTEM

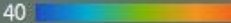
Noise Contours

ACTUEEL

4 januari 2018
07:23:53

Baangebruik
 start landing

Geluidmeetposten
40  80 dB(A)

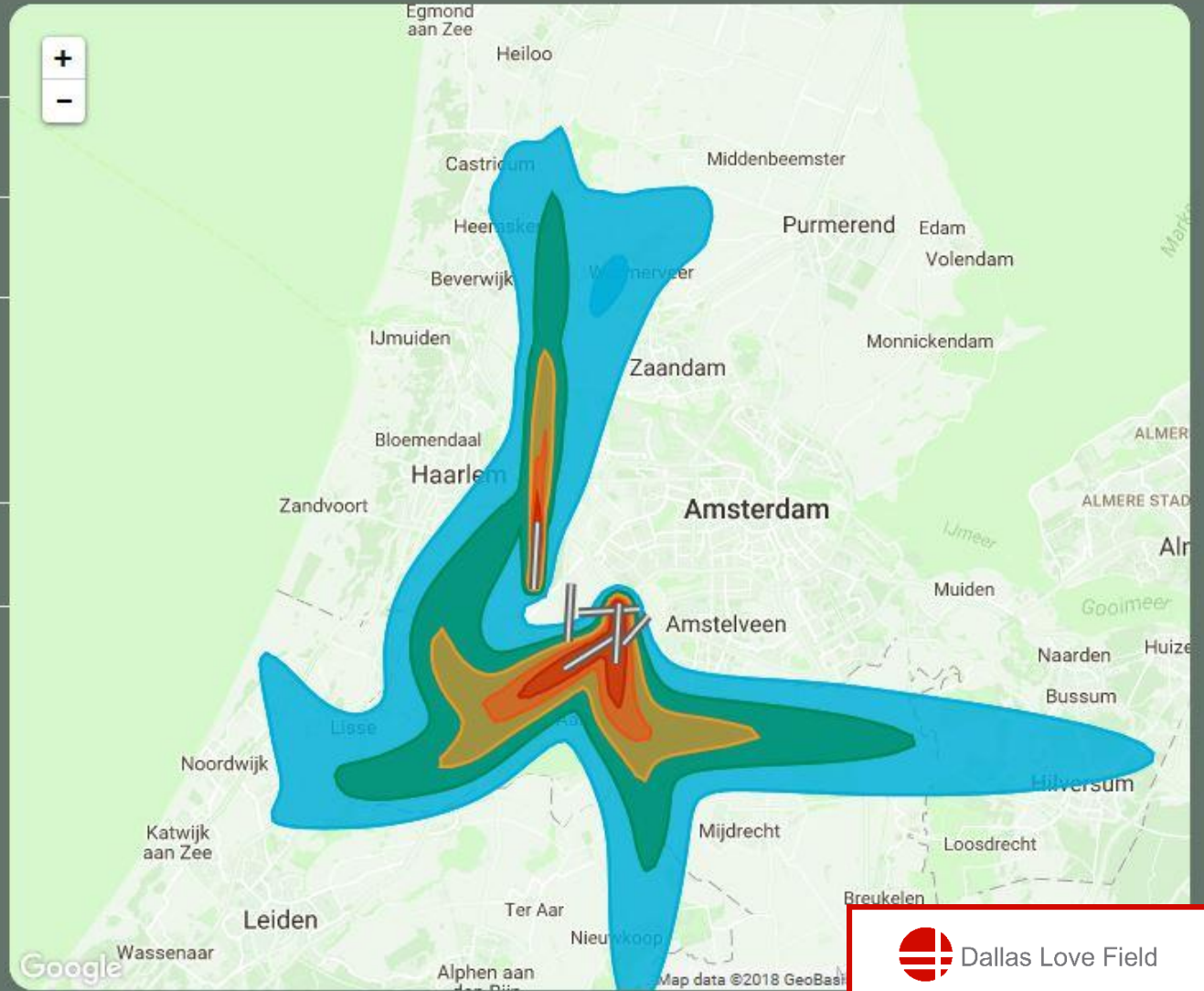
Laagfrequente meetposten
40  80 dB(C)

Geen meetposten

Vliegverkeersverdeling

Geluidverdeling

Toon mijn locatie...



Dallas Love Field

OPEN DISCUSSION AND QUESTIONS

Next Meeting
April 19, 2018 at 6PM