

# Analysis of SMO Flight Traffic

Friday, April 15, 2011



John Fairweather  
April 15, 2011

# Introduction

On Friday April 15, 2011, concerned residents of neighborhoods surrounding Santa Monica Airport (SMO) conducted a test of airport flights in order to accurately assess the nature and makeup of the flights occurring. Unlike earlier tests, we did not do a detailed study of flight path compliance or noise levels on this occasion. This report is one in an on-going series of such reports conducted by residents to monitor airport operations. The previous report analyzed traffic on January 08, 2011.

By looking up the registrations for each tail number together with other data from various flight tracking web sites, we were able to determine the operators of each aircraft and thus to break the flights observed into three major categories for the purposes of analysis:

1. Flight Schools and Training Flights
2. Jet Aircraft
3. Other Prop Aircraft Traffic

A total of 109 flights were recorded during the period from 11:00 AM to 4:00 PM, an average of one flight every 2.7 minutes. On this occasion 50% of all traffic was flight school and training related. Just four planes accounted for fully 34% of all flights.

# Types of Use

For the purpose of this analysis, category 1 (Flight schools and training flights) included not only aircraft that could be directly tracked to flight school operators, but also flights that did more than one takeoff and landing within a one hour period. These flights are mostly flying round SMO's local loop in order to practice takeoffs and landings. Figure 1 below shows the breakdown of flight according to the three usage types defined above.

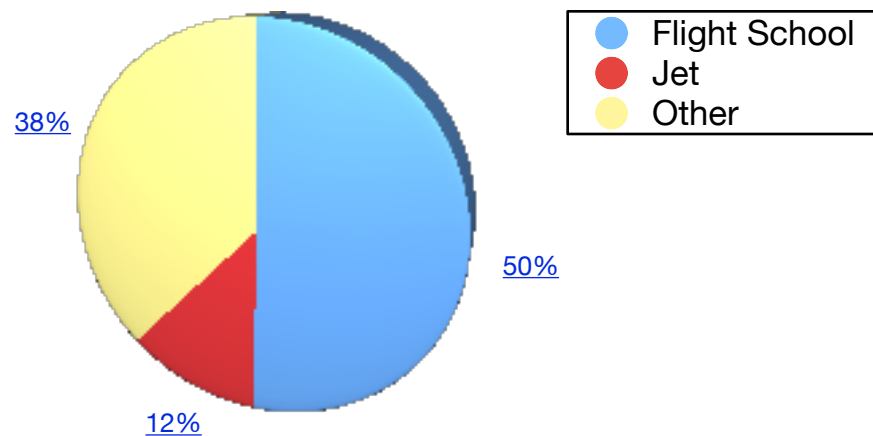
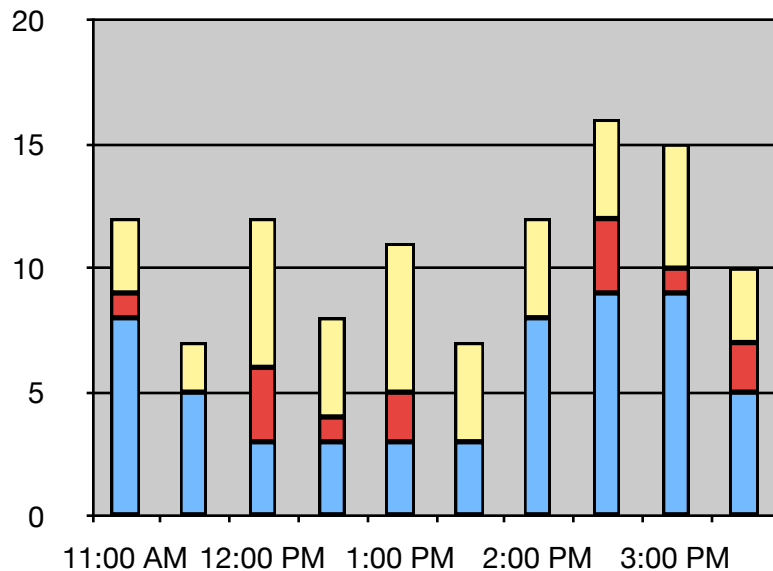


Figure 1 - Flight Breakdown by Usage Type

Fifty percent (50%) of the flights were flight school and training related, 38% were other prop traffic, and 12% were jet traffic. As in previous reports, we have ignored helicopter traffic (6 flights).

The chart below shows the distribution of these flights between the three categories over the day using the same color scheme. As in prior studies, the level of flight school traffic surges in the afternoon.

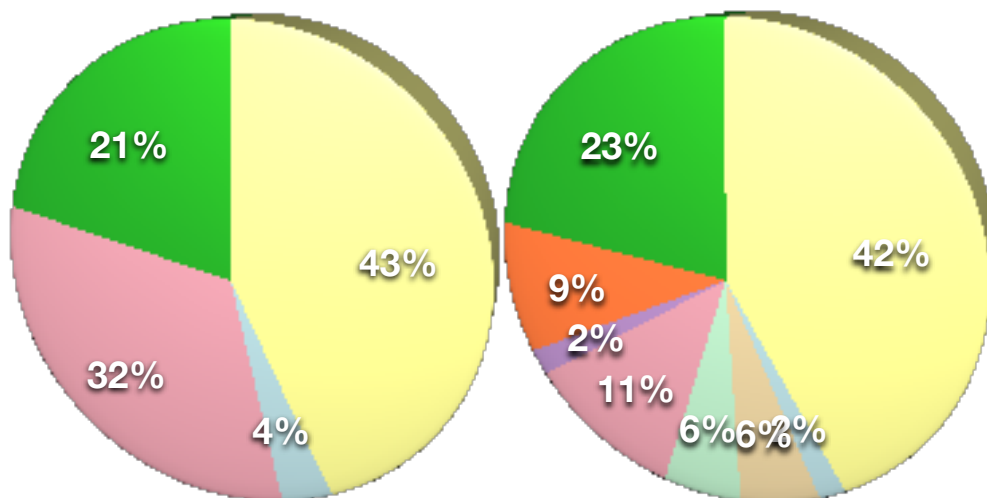


## Flight School Details

As this and earlier reports have shown, approximately 1/2 to 3/4 of flight traffic and noise tends to be caused by flight school operations. These percentages warrant additional analysis to compare and contrast the 'sociability' of the various flight schools operating out of SMO.

School/Loop Traffic	Color	Flights
Justice Aviation	Yellow	24
Skyward Aviation	Blue	2
Proteus Air Services	Orange	0
Santa Monica Flyers	Light Green	0
American Flyers	Pink	18
Seaside Aviation	Do not provide aircraft. Instruction is in own aircraft	
Santa Monica Aviation	Purple	0
Air-Spacers Flying Club	Dark Orange	0
Local loop traffic	Green	12

### Weekend % of Flights



The higher percentages for American Flyers during the weekdays may be indicative of a business that, as one would expect, operates primarily during business hours. The fact that the smaller flight schools operate mainly on the weekend suggests that they may have a more recreational nature to them than the two big schools. Justice

Aviation, and the un-traced loop traffic, appear to operate identically both within, and outside of, normal business hours.

Note that four aircraft are heavily represented in these results, accounting for 34% of all traffic on this date:

N41D - 7 flights (Zachary Bryson)

N52AF - 5 flights (American Flyers)

N9448Z - 10 flights (American Flyers)

N96575 - 15 flights (Justice Aviation)

## SMO WebTrak Analysis

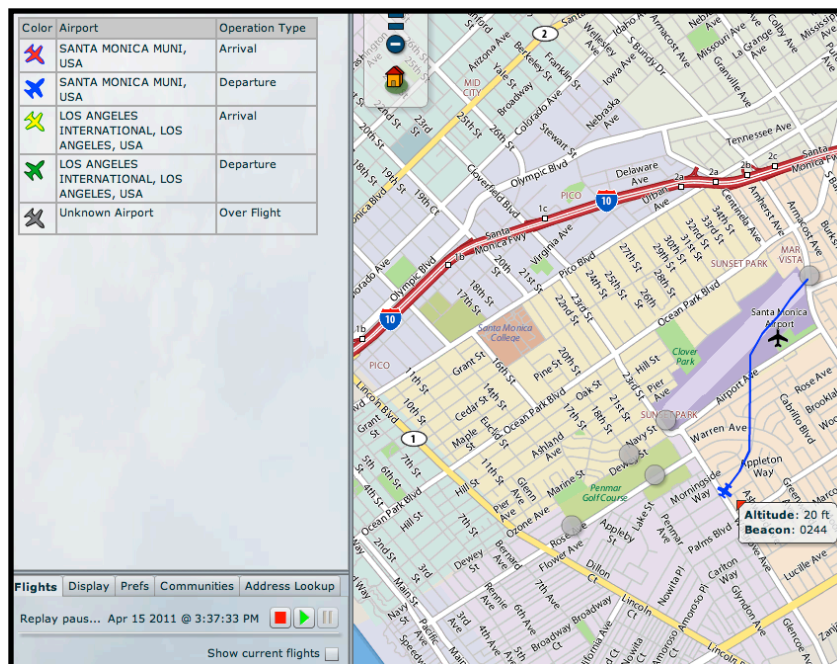
The SMO WebTrack site has come on line ( <http://webtrak.bksv.com/smo>). In our previous report we analyzed the LAX WebTrack site ( <http://www331.webtrak-lochard.com/webtrak/lax4>) and found that it exhibited many systemic inaccuracies. As anticipated, the SMO WebTrack site has all the same problems as the LAX site, and offers no better accuracy whatsoever. This is unsurprising given that it is driven by data from the same LAX radar.

One anticipated benefit of the SMO site was to have been the inclusion of the SMO noise monitoring stations to assist the public in identifying noisy aircraft. Unfortunately, although SMO site shows 6 very prominent grey circles that are the noise monitors, we have been informed by airport staff that these cannot show actual noise readings since the SMO noise sensors are analog, and must be replaced by digital sensors in order to work with the site. One wonders how such a basic problem could exist given that the reason the city commissioned the SMO WebTrack site was to assist the public in registering noise complaints.



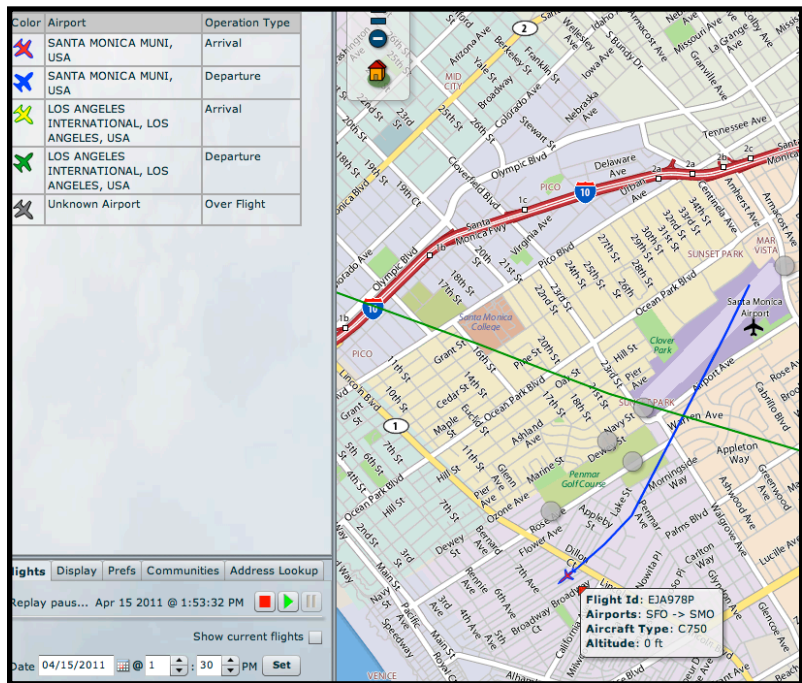
## WebTrak Path Accuracy

Of the 109 flights detailed in the report, eight of the WebTrak tracks (7.5%) are missing entirely from the WebTrak record. As before, flight paths on landings for the most part drop out when the aircraft gets below around 350 ft., and flight paths on takeoff frequently miss the important section immediately after takeoff, thus rendering them of little use for determining flight path violations. We have documented the inaccuracies in WebTrak paths previously, so we'll simply include some of our favorites for the day of this report by way of illustration:



The screenshot to the left shows a landing. Note that the plane is approximately 30 ft. underground and many blocks outside the airport boundary when it comes to rest.

The jet landing pictured to the right illustrates the neighborhood's nightmare scenario of a runway overshoot by a jet aircraft. Fortunately, this is just another WebTrak data error.



Above we see a good example of the issue with missing takeoff tracks. The track for this aircraft first appears when the aircraft is a considerable distance off shore.



Finally the last screen shot below wins best pick of the day. This is actually a helicopter takeoff, but the system shows it as two identical prop planes flying close together at the same altitude.



The bottom line is that while WebTrak is a useful tool, its output cannot be considered in any way to be an accurate representation of what actually happened. This despite the fact that at the last airport commission meeting (March 28th) when presenting the new WebTrack system, Nicole Eib, a representative of Bruel & Kjaer (the firm that installed the SMO and LAX WebTrak systems) quoted the system accuracy as 99.9%. Clearly she was referring to the accuracy of the Google map data underlying the displays, and not to any of the aircraft symbols plotted on top of it by WebTrak.

# Full Result Spreadsheet

Time	Aircraft Type	Tail Number	Registered to/Operated By	Comments	Flight path (Observed)
11:00	H				3
11:06	P (2003 SR22) Single Engine	N925TH	Registered to Robert Rowbotham, 1644 14th St, Santa Monica CA 90404 (Individual)	Missing on WebTrak	3
11:10	P (1978 Gulfstream AA-5B) Single Engine	N41D	Registered to Zachary Bryson, 3942 Yellowtail Dr., Rossmore CA 90720 (Individual)	South Loop	1
11:12	P (1975 Beech F33A) Single Engine	N48BW	Registered to Wayne Miller, 724 Alta Ave, Santa Monica CA 90402 (Individual)	Coast then north	4a
11:13	P	Not Available (Letters too small)	Not available	South Loop	1
11:16	P (1978 Gulfstream AA-5B) Single Engine	N41D	Registered to Zachary Bryson, 3942 Yellowtail Dr., Rossmore CA 90720 (Individual)	T&G non stop (Missing on WebTrak)	1
11:21	P (1978 Gulfstream AA-5B) Single Engine	N41D	Registered to Zachary Bryson, 3942 Yellowtail Dr., Rossmore CA 90720 (Individual)	T&G non stop (South Loop)	1
11:23	P (2003 SR22) Single Engine	N925TH	Registered to Robert Rowbotham, 1644 14th St, Santa Monica CA 90404 (Individual)	SMO > CDC	3
11:24	P (1997 Cessna 172R) Single Engine	N9448Z	Registered to Ameriflyers of Illinois Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	Coast then north	3
11:25	P (1998 Golden Circle Air T Bird II) Single Engine	N474AF	Registered to Gary Smith, 11509 270th St., Linden Iowa 50146 (Individual)	Coast then north	1
11:26	P (1978 Gulfstream AA-5B) Single Engine	N41D	Registered to Zachary Bryson, 3942 Yellowtail Dr., Rossmore CA 90720 (Individual)	T&G non stop (South loop)	1
11:27	P	N124AZ	Registered to Harold Cooper, 4691 NE 10th St., El Dorado KS 67042	Coast then north	3
11:27	J (1994 Cessna 560) Multi Engine	N252CV	Registered to Pilatus Montana LLC, 600 On One Rd, Rollins Montana 59931 (Corporation)	SMO > LTO	3
11:27	H				

11:35	P (1978 Gulfstream AA-5B) Single Engine	N41D	Registered to Zachary Bryson, 3942 Yellowtail Dr., Rossmore CA 90720 (Individual)	T&G non stop (South Loop)	1
11:38	P (2005 Cessna 172S) Single Engine	N353MV	Registered to PIA Aviation LLC, 12753 Appleton Way, Los Angeles CA 90066-1755 (Corporation). Operated by Justice Aviation	Coast then north	4a
11:39	P	N1197S ?	Not known	Missing on WebTrak	4a
11:43	P (1978 Gulfstream AA-5B) Single Engine	N41D	Registered to Zachary Bryson, 3942 Yellowtail Dr., Rossmore CA 90720 (Individual)	T&G non stop (South Loop)	1
11:49	P (1978 Gulfstream AA-5B) Single Engine	N41D	Registered to Zachary Bryson, 3942 Yellowtail Dr., Rossmore CA 90720 (Individual)	South Loop	1
11:53	P (1978 Cessna 172N) Single Engine	N739TD	Ultimate Aviation Inc, 3141 Donald Douglas Loop S, Santa Monica CA 90405 (Corporation)	Coast then north	1
11:56	P (2001 Cessna 172R) Single Engine	N67AF	Registered to Ameriflyers of Florida LLC, 16151 Addison Rd, Addison TX 75001-3252 (Corporation)	Coast then north	1
12:00	J (Canadair CL-600 Challenger) Multi Engine	N618RL	Registered to N618AJ LLC, 1150 S. Vineyard Ave, Ontario CA 91761 (Corporation)	SMO > SJD	3
12:01	J (2006 Cessna 560XL)	N660QS (EJA660)	Registered to Netjets Sales Inc, 11 N. Broadway ave, Ste 1500, Oklahoma City OK 73102 (Co-owned)	SMO > CRQ	3
12:03	P (1974 Piper PA-28-151) Single Engine	N777VP (POL16)	Registered to Flightwing Equipment Corp, 335 N. Oakhurst Dr 3, Beverly Hills CA 90210 (Corporation)	Coast then north	4a
12:06	TP (2004 Pilatus PC-12/45) Single Engine	N888WG (EEEWG)	Registered to J&M Aircraft LLC, 23055 Airport Rd, NE Ste. 9, Aurora OR 97002 (Corporation)	SC1 > PSP (Coast then north then east)	3
12:07	P (1999 Cessna 172R) Single Engine	N2447B	Registered to Justice Aviation Inc., 3011 Airport Ave, Santa Monica CA 90405-6110 (Corporation)	Coast then north	1
12:10	J (Eclipse Aviation EA500)	N519EJ	Registered to National Flooring Systems Inc., 8962 Grant Line Rd, Elk Grove, CA 95624 (Corporation)	SMO > SDL	3

12:11	P (1977 Cessna A185F) Single Engine	N585Z	Registered to Dairy Air LLC, 3100 Donald Douglas Loop N, Ste. 107, Santa Monica CA 90405 (Corporation)	SC4 > TRM (Coast then north)	1
12:13	P (PA-28-161) Single Engine	N2092L	Registered to Skyward Aviation Inc., 3147 Donald Douglas Loop S, Santa Monica CA 90405-3210 (Corporation)	SMO > SBA (Coast then north)	3
12:18	P (2007 SR22) Single Engine	N54LW	Registered to Dogtown Aviation LLC, 714 7th St., Santa Monica CA 90402 (Corporation)	Coast then north	1
12:19	P (1983 Cuby) Single Engine	N1933J	Registered to Experimental Aircraft Association Inc, PO Box 3086, Oshkosh WI 54903 (Corporation)	Coast then north	4a
12:24	H				3
12:27	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	South Loop	3
12:29	P (2009 Aviat A-1C-200) Single Engine	N89HU	Registered to GBH Aviation, 3100 Donald Douglas Loop N, Santa Monica CA 90405 (Corporation)	Coast then north	1
12:32	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	T&G non stop (South Loop)	3
12:35	P	N625JR or N62SJR	Not available	Coast then north	1
12:37	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	T&G NS (South Loop)	1
12:41	P (1977 M20J) Single Engine	N201QS	Registered to Mark Loranger, 3435 Ocean Park Blvd, #107-472, Santa Monica CA 90405 (Individual)	SC6 > SBP (Coast then North)	4a
12:42	H				3
12:45	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	T&G NS (South Loop)	1
12:51	J (2007 Learjet 60)	N262FX	Registered to BomBardier Aerospace Corp, 3400 Waterview Pkwy, Ste. 400, Richardson TX 75080 (Non Citien Co-Owned)	SMO > LAX	3

12:54	P (2007 SR22) Single Engine	N726SR	Registered to T Street Management Inc, 3400 Irvine Ave, Ste 118, Newport Beach CA 92660 (Corporation)	Missing on WebTrak	1
12:57	H	Sheriff			East
12:58	TP (1978 Beech C90) Multi Engine	N410MC	Registered to JVWL LLC, 9240 Excelsior Ave, Hanford CA 92320 (Corporation)	Ocean then north	3
13:02	P (1970 Beech A36) Single Engine	N3704A	Registered to Loelco Enterprises, PO Box 6785, San Jose CA 95150 (Corporation)	Coast then north	2
13:03	P (1969 PA-28R-200) Single Engine	N9457N	Registered to Timothy Mark Harrison, 1901 Roscomare Rd, Los Angeles CA 90077 (Individual)	SMO >UDD	1
13:04	J (EMB-500) Multi Engine	N102PA	Registered to Arrabon Management Services, 325 Wilshire Blvd, Ste. 203, Santa Monica CA 90401 (Corporation)	SMO > UDD	3
13:10	P (1980 Cessna 172RG) Single Engine	N4668V	Registered to Ameriflyers of Texas Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	Coast then north	1
13:15	TP (BE10)	N904PA	This tail number cannot be found on FAA website	SMO > VNY	3
13:17	P (1976 Cessna 172N) Single Engine	N172EP	Registered to Nashville Air Inc., 404 James Robertson Pkwy, Ste 1712, Nashville TN 37219. Operated by Justice Aviation	Coast then north	1
13:18	P (2001 Cessna 172R) Single Engine	N106AF	Registered to Ameriflyers of California Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	Coast then north	1
13:19	J (2000 Learjet 60) Multi Engine	N1221J	Registered to Turner Holdings LLC, 5950 Sherry Ln, Ste 370, Dallas TX 75225 (Corporation)	Coast then north	3
13:19	P	Not Available	Not available	Coast then north	
13:20	P (1971 Piper PA-28-140) Single Engine	N4252T	Registered to Flightwing Equipment Corp, 335 N. Oakhurst Dr 3, Beverly Hills CA 90210 (Corporation)	Coast	1
13:25	P (2009 CC11-100) Single Engine	N399CC	Registered to Richard Festa, 955 Enchanted Way, Pacific Palisades CA 90272 (Individual)	Coast then early turn north	2
13:35	P (2001 Cessna 172R) Single Engine	N52AF	Registered to Ameriflyers of Texas Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	South Loop	4a back to 1
13:41	P (2001 Cessna 172R) Single Engine	N52AF	Registered to Ameriflyers of Texas Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	T&G NS (Coast then North)	1



13:42	P (1990 Beech F33A) Single Engine	N200JF	Registered to Peter Del Rosso, 1006 S Hayworth Ave, Los Angeles CA 90035 (Individual)	SMO>OXR (Coast then north)	3
13:45	P (1999 Cessna 172R) Single Engine	N2447B	Registered to Justice Aviation Inc., 3011 Airport Ave, Santa Monica CA 90405-6110 (Corporation)	Coast then north	1
13:50	P (1981 Cessna 172P) Single Engine	N53463	Registered to Nick Fara, 3 Lisa Dr, San Anselmo CA 94960 (Individual)	South Loop	3
13:55	P (2004 Cessna 172S) Single Engine	N577FA	Registered to Mark Weaver Aviation LLC, 2318 Vanderbilt Ln, Unit B, Redondo Beach CA 90278 (Corporation)	Coast then north	3
13:59	P (1967 Mooney M20F) Single Engine	N3527N	Registered to Tresser Enterprises LLC, 1725 Acacia Ln, Fallbrook CA 92028 (Corporation)	North Loop (turned east before the coast)	1
14:00	P (2005 DA 40) Single Engine	N483MA	Registered to LA Quinta Surgery Center LLC, PO Box 2114, Rancho Santa Fe CA 92067 (Corporation)	Immediately turned north then east	6C
14:03	P (2001 Cessna 172S) Single Engine	N830SP	Registered to Kylan Aviation Inc, 13218 Fiji Way, Unit A, Marina Del Rey CA 90292 (Corporation). Operated by Justice Aviation	Coast then north	1
14:05	P (1977 Cessna 152) Single Engine	N757UN	Registered to Bruce Cavarano, 11627 Walnut St., Redlands CA 92374 (Partnership)	Coast then north	2
14:09	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	South loop	1
14:14	P (2001 Cessna 172R) Single Engine	N52AF	Registered to Ameriflyers of Texas Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	T&G NS (South Loop)	1 to 4B
14:18	P (1997 Cessna 172R) Single Engine	N9448Z	Registered to Ameriflyers of Illinois Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	South Loop	3
14:19	P (1976 Cessna 172N) Single Engine	N172EP	Registered to Nashville Air Inc., 404 James Robertson Pkwy, Ste 1712, Nashville TN 37219. Operated by Justice Aviation	South Loop	3
14:22	TP (1979 Beech 200) Multi Engine	N326RT	Registered to Perfect Agreements Leasing Inc, 8939 Green Jade Drive, Las Vegas NV 89129 (Corporation)	Coast then north	3

14:23	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	South Loop	6e
14:25	P (1999 Cessna 172R) Single Engine	N2447B	Registered to Justice Aviation Inc., 3011 Airport Ave, Santa Monica CA 90405-6110 (Corporation)	South Loop	1
14:28	P (1975 Cessna 172M) Single Engine	N80127	Registered to JC Dalco Inc., PO Box 924, Westminster CA 92683 (Corporation)	Missing on WebTrak	3
14:29	P (2001 Cessna 172R) Single Engine	N52AF	Registered to Ameriflyers of Texas Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	250 heading	1
14:30	J (1997 Raytheon Hawker 800XP)	N92UP	Registered to Allyson Aviation LLC, 855 Aviation Drive, Camarillo CA 93010	Coast then north	3
14:31	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	T&G NS (South Loop)	1
14:32	P (2006 Cessna T182T) Single Engine	N2439D	Registered to Juliet Lima LLC, 10430 Wilshire Blvd, Apt 201, Los Angeles CA 90024 (Corporation)	SMO > VNY (Early turn north before coast)	1
14:36	P (1997 Cessna 172R) Single Engine	N9448Z	Registered to Ameriflyers of Illinois Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	South Loop (early turn)	1
14:37	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	T&G NS (South Loop)	1
14:38	P (Mooney M20J) Single Engine	N58103	Registered to James Watkins III, 44 Newburg St., San Francisco CA 94131 (Individual)	South Loop	3
14:39	J (1998 Gulfstream G-IV) Multi Engine	N428QS	Registered to NJI Sales Inc, 100 N. Broadway Ave, Ste 1500, Oklahoma City OK 73102 (Co-owned)	SMO > IAH	1
14:40	P (2008 Cirrus SR20) Single Engine	N427GE	Registered to East Pole Aviation LLC, PO Box 181, East Setauket NY 11722 (Corporation)	SMO > SQL	2
14:41	P (1955 Cessna 170B) Single Engine	N4478B	Registered to Gerald Fowler, 209 E. Pilar St, Hernando FL 34442 (Individual)	South Loop	1

14:43	P (1980 Piper PA-28-161) Single Engine	N8258S	Registered to Skyward Aviation Inc., 3147 Donald Douglas Loop S, Santa Monica CA 90405-3210 (Corporation)	Coast	1
14:46	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	T&G NS (South Loop)	3
14:49	P (Mooney M20J) Single Engine	N58103	Registered to James Watkins III, 44 Newburg St., San Francisco CA 94131 (Individual)	SC6 > OAK (Coast then north)	
14:50	J (2010 Hawker Beechcraft 400A)	N497TM	Registered to Aircraft Holding Co. One LLC, 2101 County Road 6 West, Unit 15, Elkhart IN 46514 (Corporation)	SMO > LAS (Coast then north)	3
14:54	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	T&G NS (South Loop)	1
14:55	P (1981 Cessna 172P) Single Engine	N53463	Registered to Nick Fara, 3 Lisa Dr, San Anselmo CA 94960 (Individual)	South Loop	3
14:57	P (1997 Cessna 172R) Single Engine	N9448Z	Registered to Ameriflyers of Illinois Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	Missing on WebTrak	3
15:00	J (Canada Air CL-600-2B16)	N650LG	Registered to Wilmington Trust Co Trustee, 1100 N. Market St., Wilmington Delaware 19890 (Corporation)	SMO > HJO (Coast then north)	3
15:01	TP (1976 Beech 58P) Multi Engine	N1815L	Registered to Dale Kiker, 1215 Pomona Rd, Ste. D, Corona CA 92882 (Individual)	SMO > SDL (Coast then north)	3
15:02	TP (1980 DHC-6-300) Multi Engine	N692AR	Registered to Bristol Ltd, PO Box 570337, Las Vegas NV 89157 (Corporation)	Coast, south, east, south	3
15:04	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	T&G NS (South Loop)	1
15:07	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	T&G NS (South Loop)	3
15:10	P (1997 Cessna 172R) Single Engine	N9448Z	Registered to Ameriflyers of Illinois Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	South Loop	3

15:14	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	T&G NS (Coast then south)	1
15:14	H				3
15:17	P (1997 Cessna 172R) Single Engine	N9448Z	Registered to Ameriflyers of Illinois Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	T&G NS (South loop)	1
15:20	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	T&G NS (South Loop)	1
15:21	P (2004 SR22) Single Engine	N5384W	Registered to Flitemax Inc, 3416 The Strand, Manhattan Beach CA 90266 (Corporation)	Coast then north	3
15:22	P (1968 Piper PA-28-180) Single Engine	N6577J	Registered to John Jirschevske, 5818 Hedda St., Lakewood CA 90713 (Individual)	South Loop	6e
15:24	P (1997 Cessna 172R) Single Engine	N9448Z	Registered to Ameriflyers of Illinois Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	T&G NS (South Loop)	3
15:26	P (1976 Cessna 172N) Single Engine	N172EP	Registered to Nashville Air Inc., 404 James Robertson Pkwy, Ste 1712, Nashville TN 37219. Operated by Justice Aviation	Missing on WebTrak	1
15:27	P (1976 Beech A36) Single Engine	N74F	Registered to Redloh Group Inc, 910 W Battlefield St, Springfield Missouri 65807 (Corporation)	Coast then north	
15:28	P (1984 Cessna 172P) Single Engine	N96575	Registered to Nacelle Aviation Inc, 2629 Foothill Blvd, #537, La Crescenta CA 91214. (Corporation). Operated by Justice Aviation	T&G NS (South Loop)	1
15:30	P (1997 Cessna 172R) Single Engine	N9448Z	Registered to Ameriflyers of Illinois Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	T&G NS (South Loop)	1
15:31	P (2008 SR22) Single Engine	N826BB	Registered to Chad Grismer, 16535 Manassas St, San Diego CA 92127) Individual	South Loop	3
15:35	P (2006 Cirrus SR22) Single Engine	N122CL	Registered to Charles Finkel, 21125 River Bluff Dr, Anderson CA 96007 (Individual)	SMO > RDD	
15:38	P	Not available	Not known	Coast then north	1
15:41	P (1997 Cessna 172R) Single Engine	N9448Z	Registered to Ameriflyers of Illinois Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	T&G NS (South Loop)	1

15:47	P (1997 Cessna 172R) Single Engine	N9448Z	Registered to Ameriflyers of Illinois Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	Missing on WebTrak	1
15:49	J (2008 Gulfstream GIV-X (G450)	N884WT	Registered to Qualcomm Inc, 5775 Morehouse Dr RM N-480X, San Diego CA 92121 (Corporation)	SMO > CRQ (Coast then north)	3
15:55	P (2002 Cessna 172S) Single Engine	N974TA	Registered to Envision Aviation LLC, 959 E. Carillo Rd, Santa Barbara CA 93103 (Corporation). Operated by Justice Aviation	SMO > VNY	
15:58	J (1981 1124A) Multi Engine	N3AV	Registered to Avjet Corporation, 4301 W Empire Ave, Burbank CA 91505 (Corporation)	SMO > LAS	
16:05	P (2001 Cessna 172R) Single Engine	N52AF	Registered to Ameriflyers of Texas Inc, 16151 Addison Rd, Addison TX 75001 (Corporation)	SMO > HHR	

Justice Aviation				
Skyward Aviation				
Proteus Air Services				
Santa Monica Flyers				
American Flyers				
Seaside Aviation		Do not provide aircraft. Instruction is in own aircraft		
Santa Monica Aviation				
Air-Spacers Flying Club				
Local loop traffic				