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**TO:** HONORABLE MAYOR AND

CITY COUNCIL

FROM: William F. Sherry, A.A.E.

SUBJECT: MONTHLY NOISE

REPORT FOR **JULY 2010** 

**DATE:** September 1, 2010

Approved

Date

#### **INFORMATION**

Attached for distribution is the Norman Y. Mineta San José International Airport Monthly Noise Report for July 2010.

/s/

WILLIAM F. SHERRY, A.A.E. Director of Aviation

Attachments



# Monthly Noise Report July 2010







## Monthly Noise Report Table of Contents - July 2010

		Page
1.	Analysis	1
2.	Noise Complaint Section	
	A. Noise Complaint Summary	3
	B. Graph - Complaints for July 2010 by Time of Day	4
	C. Graph - Complaints for Year to Date through July 2010	5
	D. Graph - Complaints by City Area - February 2010 through July 2010	6
3.	Airline Operation Section	
	A. Monthly Curfew Intrusions Report	7
	B. Curfew (Turbojet) Report Summary/Total Operations	10
	C. Curfew Operations VS Total Operations	11
	D. Curfew (Turbojet) Report Summary	12
	E. Monthly Airline Run-up Report	13
	F. Monthly Airline Run-up Summary	14
	G. Complaints	15

### **Analysis of July 2010 Noise Data**

At the direction of the City Council, the Monthly Noise Report (MNR) has been designed to present a comprehensive picture of the Airport's noise impact on the community. The Analysis Section is intended to provide an identification of significant trends relating to observed data captured in the report.

#### **Terminology**

To establish terminology consistent with the Airport Noise Control Program (ANCP), the following terminology is used to describe aircraft operations that occur during the curfew period. All aircraft operations occurring during the curfew are referred to as "Intrusions". Those intrusions that occur for reasons that are exempted in the ANCP (i.e. weather, mechanical or air traffic control problems) are defined as "Intrusions in Compliance" with the ANCP. Those intrusions that are not exempted by the ANCP are defined as "Intrusions in Non-Compliance". All turbojet curfew intrusions are identified in the Monthly Curfew Intrusion Report section.

In the **Noise Complaint Summary** section of the report, the subheading **Commercial Aircraft** contains the following terminology: "**Intrusion Related**" identifies the number of complaints associated with curfew intrusions. The term "**Loud Aircraft**" refers to complaints about the loudness of a particular operation. Additionally, the category titled "**Frequency**" refers to complaints about multiple operations and helps to enhance the quality of the report's data. This assists in sorting the noise report data and clarifies the nature of these complaints.

On October 21, 2003, San Jose City Council approved Ordinance No. 27000 to preserve the existing nighttime noise environment by restructuring the "Curfew" from a weight-based to a noise-based curfew and adding provisions for fines and penalties. The Monthly Noise Report will now reflect the issuance of Administrative Citations as part of the curfew. The statement "under investigation" means the operation is in the process of being investigated for curfew compliance; the statement "citation issued" means a citation was issued for a non-compliant operation. Additionally, the statement "under appeal" means a citation is scheduled for an appeal hearing and no disposition is known; the statement "citation overturned" means a citation has been officially overturned by the Airport Commission.

#### **Operational Impacts**

The total scheduled commercial transport category turbojet operations for July 2010 was 100% Stage 3.

#### **Noise Complaints**

The Noise Complaint Summary - July 2010 shows a decrease in the total number of complaints from 70 in June 2010 to 34 in July 2010 (a decrease of 36). There was a total of 19 complainants, with one complainant accounting for 8 complaints, and another for 3 complaints.

#### **Monthly Curfew Intrusions Report**

**July 2010** resulted in **47** curfew intrusions, an increase of **11** from June 2010. There were **4** complaints associated with the curfew intrusions. There were **0** operations "In Non-Compliance" with the Noise Control Program. A description can be found in the **Monthly Curfew Intrusions Report.** 

#### **Analysis of July 2010 Noise Data (continued)**

### **General Aviation**

Complaints associated with General Aviation operations remained constant with **9** in June 2010 and **9** in July 2010. There were **0** complaints associated with the San Jose Police Department helicopter surveillance activity.

### **Monthly Airline Turbojet Run-up Report**

There was a total of **2** airline run-ups during July 2010. This compares with **4** in June 2010. There was **1** High Power Engine run-up; **0** of which took place during the curfew hours. There were **0** complaints associated with engine run-ups. Engine run-ups were performed in accordance with Federal Aviation Administration and airline safety procedures.

## Noise Complaint Summary - July 2010

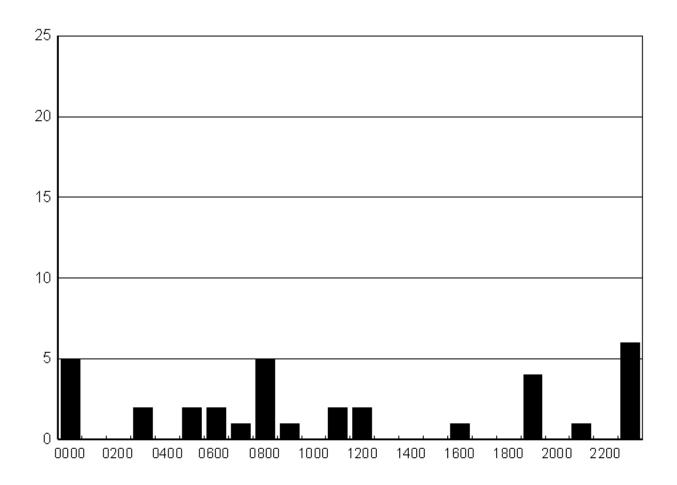
Noise Complaints		Feb 2010	Mar 2010	Apr 2010	May 2010	Jun 2010	Jul 2010
Commercial	Intrusion Related	1	3	3	4	17	11
	Loud	13	19	29	26	21	14
	Frequency	0	0	1	0	0	0
	Overflight	0	0	0	1	0	0
	Other	0	0	0	0	23	0
	Total	14	22	33	31	61	25
General	Intrusion Related	0	0	0	0	0	0
Aviation	Fixed Wing	3	11	11	13	8	7
	Helicopter	0	1	1	0	1	2
	Police Helicopter	0	0	0	0	0	0
	Total	3	12	12	13	9	9
Monthly Noise Co	omplaints	17	35	45	45	70	34

Complaints by Area		Feb 2010	Mar 2010	Apr 2010	May 2010	Jun 2010	Jul 2010
City of	SJSH - Shasta/Hanchett	2	4	4	4	6	7
San Jose	SJRG - Rose Garden	1	2	6	3	12	1
	SJCC - Civic Center	0	3	4	1	3	0
	SJHP - Hensley Park	0	3	1	0	3	0
	SJWG - Willow Glen	2	3	4	5	8	4
	SJO - Other	5	9	7	11	18	13
	Total	10	24	26	24	50	25
City of	SCNA - North Areas	3	8	16	14	15	9
Santa Clara	SCO - Other	0	1	0	0	0	0
	Total	3	9	16	14	15	9
Other	Other Areas	4	2	3	7	5	0
(Includes Unknown)	Total	4	2	3	7	5	0
Monthly Noise Complaints		17	35	45	45	70	34

No. of Citizens Filing Complaints	9	24	28	23	46	19
Average Complaints per Day	0.6	1.1	1.5	1.5	2.3	1.1

## **Noise Complaints by Time of Day**

#### Norman Y. Mineta San Jose International Airport Number of Complaints - July 2010

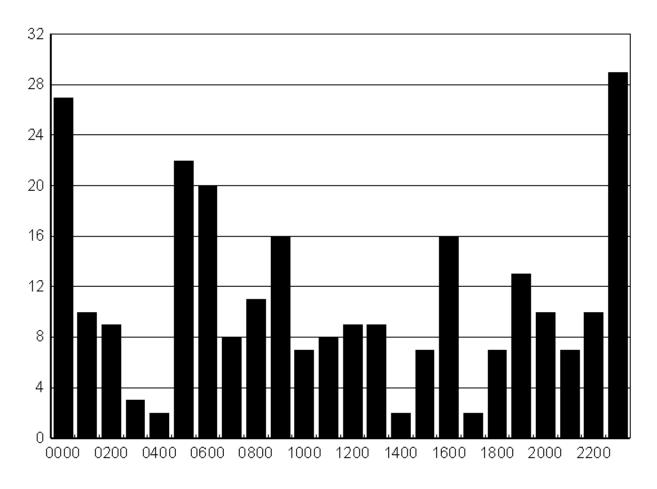


Time of Day

**34 Total Complaints** 

## Noise Complaints by Time of Day - YTD

### Norman Y. Mineta San Jose International Airport Number of Complaints - YTD through July 2010

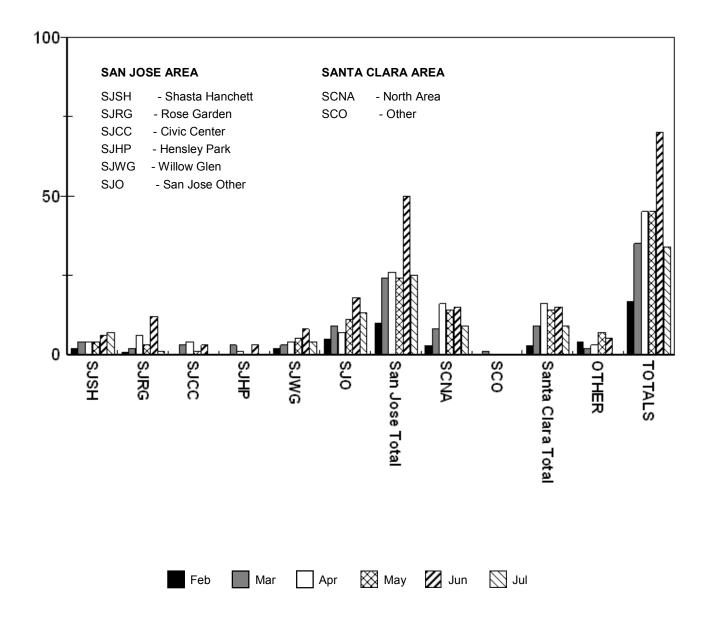


Time of Day

**264 Total Complaints** 

## **Noise Complaints - City Areas**

# Norman Y. Mineta San Jose International Airport - SJC Complaints - February 2010 through July 2010



## **Monthly Curfew Intrusion Report - July 2010**

# Norman Y. Mineta San Jose International Airport Aircraft Noise Monitoring Center

#### **Curfew Intrusion Criteria**

Curfew intrusion times are validated by ANOMS Noise Monitoring Sites #106 and #110 located at both ends of Runway 30L/12R. *All times are rounded to the nearest minute.* 

Date	Time	Carrier	Flight_No	Runway	Aircraft	Comment	Complaints
07/01/10	00:10	SWA	SWA2897	A30L	B737	WEATHER	1
07/01/10	01:27	DAL	DAL1797	A30L	A320	MECHANICAL	0
07/01/10	02:54	DAL	DAL1684	D30R	A320	MECHANICAL	0
07/01/10	23:57	SWA	SWA1098	A30R	B737	MECHANICAL	0
07/02/10	00:02	COA	COA489	A30R	B738	WEATHER	0
07/02/10	00:15	DAL	DAL1684	D30R	A320	WEATHER	1
07/02/10	01:45	UAL	UAL467	A30L	B752	WEATHER	0
07/02/10	23:38	SWA	SWA2897	A30R	B737	WEATHER	0
07/04/10	23:36	UAL	UAL723	A30L	B752	WEATHER	0
07/07/10	00:31	SWA	SWA3855	A30L	B737	WEATHER	0
07/07/10	01:22	UAL	UAL467	A30L	B752	MECHANICAL	0
07/07/10	23:39	COA	COA421	A30L	B738	WEATHER	1
07/07/10	23:42	COA	COA489	A30L	B738	WEATHER	0
07/08/10	00:01	SWA	SWA3855	A30L	B737	ATC	0
07/08/10	00:10	SWA	SWA1098	A30R	B737	WEATHER	0
07/08/10	00:59	UAL	UAL467	A30L	B752	MECHANICAL	0
07/09/10	23:36	AAL	AAL1035	A30L	MD82	WEATHER	0
07/09/10	23:46	SWA	SWA731	A30R	B737	MECHANICAL	0
07/11/10	23:41	UAL	UAL467	A30L	B752	WEATHER	0
07/11/10	23:45	SWA	SWA1098	A30R	B737	MECHANICAL	1
07/11/10	23:54	SWA	SWA724	A30L	B737	WEATHER	0
07/13/10	00:10	DAL	DAL1684	D30R	A320	WEATHER	0
07/14/10	01:11	UAL	UAL467	A30L	B752	ATC	0
07/14/10	02:26	DAL	DAL1797	A30L	A320	WEATHER	0
07/14/10	03:50	DAL	DAL1684	D30L	A320	WEATHER	0
07/15/10	00:34	UAL	UAL467	A30L	B752	MECHANICAL	0
07/15/10	23:32	DAL	DAL1107	A30L	A320	ATC	0
07/15/10	23:40	SWA	SWA724	A30R	B737	ATC	0
07/16/10	23:30	DAL	DAL1107	A30L	A319	ATC	0
07/18/10	23:37	DAL	DAL9851	A30L	A320	MECHANICAL	0
07/19/10	01:37	DAL	DAL1684	D30R	A320	MECHANICAL	0
07/19/10	23:37	JBU	JBU174	D30R	A320	WEATHER	0

#### **Curfew Intrusion Criteria**

Curfew intrusion times are validated by ANOMS Noise Monitoring Sites #106 and #110 located at both ends of Runway 30L/12R. *All times are rounded to the nearest minute.* 

Date	Time	Carrier	Flight_No	Runway	Aircraft	Comment	Complaints
07/20/10	00:02	ASA	ASA330	A30L	B738	MECHANICAL	0
07/20/10	01:13	UAL	UAL467	A30L	B752	ATC	0
07/21/10	00:07	DAL	DAL1107	A30R	A320	MECHANICAL	0
07/23/10	05:42	SCX	SCX8902	A30R	B738	MILITARY	0
07/24/10	23:45	HAL	HAL43	D30L	B763	MECHANICAL	0
07/25/10	23:36	JBU	JBU471	A30L	A320	MECHANICAL	0
07/26/10	00:28	JBU	JBU472	D30R	A320	MECHANICAL	0
07/28/10	23:37	SWA	SWA724	A30L	B737	WEATHER	0
07/29/10	23:34	SWA	SWA724	A30R	B737	MECHANICAL	0
07/29/10	23:37	JBU	JBU174	D30R	A320	MECHANICAL	0
07/29/10	23:52	SWA	SWA3764	D30R	B737	ATC	0
07/30/10	00:53	UAL	UAL467	A30L	B752	ATC	0
07/30/10	23:58	SWA	SWA1098	A30R	B737	WEATHER	0
07/31/10	01:00	SWA	SWA3855	A30R	B737	MECHANICAL	0
07/31/10	01:16	UAL	UAL467	A30R	B752	MECHANICAL	0

**Total Intrusions = 47** 

Total Complaints = 4

#### Monthly Curfew Intrusion Report - July 2010 (continued)

#### **KEY**

- A = Arrival D = Departure (Number) ATC - FAA Air Traffic Control Factors **RUNWAY STAGE 2 BTJ** - Older Technology Business Turbojet MECHANICAL - Aircraft Mechanical Delays - Stage 3 Transport Category Aircraft - Weather Related Factors TRNSP3 WEATHER - Medical Emergency Flights **UNIVERSAL TIME** - 1pm = 13:00 and 11pm = 23:00 LIFEFLIGHT OTHER **SECURITY UNKNOWN** 

#### INTRUSIONS IN COMPLIANCE WITH ANCP

ATC Related Operations	Total:	8
Mechanical Related Operations	Total:	19
Weather Related Operations	Total:	19
Lifeflight/Medical Emergency Related Operations	Total:	0
Government/Military/Emergency Related Operations	Total:	1
Other	Total:	0

#### **INTRUSIONS IN NON-COMPLIANCE WITH ANCP**

Non-Compliant Operations Total: 0

## **Curfew (Turbojet) Report Summary - July 2010**

#### Norman Y. Mineta San Jose International Airport Aircraft Noise Monitoring Center

#### **Aircraft Curfew Intrusions**

Airline	Arrivals	Departures	Total	Complaints
AAL - AMERICAN AIRLINES	1	0	1	0
ASA - ALASKA AIRLINES	1	0	1	0
COA - CONTINENTAL AIRLINES	3	0	3	1
DAL - DELTA AIR LINES, INC.	6	5	11	1
HAL - HAWAIIAN AIRLINES	0	1	1	0
JBU - JETBLUE AIRWAYS	1	3	4	0
SCX - SUN COUNTRY AIRLINES	1	0	1	0
SWA - SOUTHWEST AIRLINES	14	1	15	2
UAL - UNITED AIRLINES	10	0	10	0
Commercial Totals	37	10	47	4
Business Jets Stage 2	0	0	0	0
Transport Jets Stage 3	0	0	0	0
Business/Transport Jet Totals	0	0	0	0
Turbojet Totals	37	10	47	4

**Total Operations: 11,303** 

## **Curfew Operations VS Total Operations - July 2010**

	Curfew Operations			Total Operations*		rfew as % of tal Operation	
Airline	Compliant	Non Compliant	Total		Compliant	Non Compliant	Total
ALASKA AIRLINES	1	0	1	633	0.16	0.00	0.16
AMERICAN AIRLINES	1	0	1	472	0.21	0.00	0.21
CONTINENTAL AIRLINES	3	0	3	179	1.68	0.00	1.68
DELTA AIR LINES, INC.	11	0	11	255	4.31	0.00	4.31
HAWAIIAN AIRLINES	1	0	1	62	1.61	0.00	1.61
JETBLUE AIRWAYS	4	0	4	122	3.28	0.00	3.28
SUN COUNTRY AIRLINES	1	0	1	4	25.00	0.00	25.00
SOUTHWEST AIRLINES	15	0	15	4109	0.37	0.00	0.37
UNITED AIRLINES	10	0	10	239	4.18	0.00	4.18
Totals	47	0	47	6075	0.77	0.00	0.77

<sup>\*</sup>Does not include Cargo or non-scheduled operations.

## **Curfew (Turbojet) Report Summary - July 2010**

# Norman Y. Mineta San Jose International Airport Aircraft Noise Monitoring Center

Summary of Curfew Turbojet Operations
\*\*\*\*\*Airport Curfew is 11:00 P.M. through 7:00 A.M.\*\*\*\*\*

Hours	Arrivals	Departures	Total	Complaints
2300 - 2329	0	0	0	0
2330 - 2359	18	4	22	2
0000 - 0029	6	3	9	2
0030 - 0059	4	0	4	0
0100 - 0129	6	0	6	0
0130 - 0159	1	1	2	0
0200 - 0229	1	0	1	0
0230 - 0259	0	1	1	0
0300 - 0329	0	0	0	0
0330 - 0359	0	1	1	0
0400 - 0429	0	0	0	0
0430 - 0459	0	0	0	0
0500 - 0529	0	0	0	0
0530 - 0559	1	0	1	0
0600 - 0629	0	0	0	0
0630 - 0659	0	0	0	0
TOTALS	37	10	47	4

## Monthly Airline Run-up Report - July 2010

Date	Time	Carrier	Runway Aircraft		Run-up Type	Complaints
07/25/10	12:10	HAL	TWY-Y@M&N	B767	HIGH POWER	0
07/26/10	09:35	ASA	A-8	B737	LOW POWER	0

## Monthly Airline Run-up Summary - July 2010

Carrier	Run-up High Power Over 90%	Run-up Part Power 60% to 90%	Run-up Low Power Less than 60%	Total	Complaints
ASA - ALASKA AIRLINES	0	0	1	1	0
HAL - HAWAIIAN AIRLINES	1	0	0	1	0
Totals	1	0	1	2	0

## Complaints - July 2010

Event Date Time	Call Date Time	Event	Resolution
07/01/2010 00:19	07/02/2010 10:23	Mr. N from San Jose reported aircraft noise over his area. Mr. N did not request contact.	Compliant arrival by a Stage 3 business jet. Frequent caller postcard sent on 7/2.
07/01/2010 19:30	07/01/2010 20:53	Ms. M from the Shasta/Hanchett area reported aircraft noise over her area. Ms. M did request contact.	Departure by commercial aircraft. Noise Staff contacted Ms. M on 7/2. Frequent caller postcard sent on 7/2.
07/02/2010 00:08	07/02/2010 01:43	Mr. N from San Jose reported aircraft noise over his area. Mr. N did not request contact.	Curfew investigation revealed a compliant departure by a commercial aircraft. Frequent caller postcard sent on 7/9.
07/02/2010 00:15	07/02/2010 00:16	Mr. M from North Santa Clara reported aircraft noise over his area. Mr. M did not request contact.	Curfew investigation revealed a compliant arrival by a commercial aircraft. Frequent caller postcard sent on 7/9.
07/04/2010 11:19	07/04/2010 11:25	Ms. C from San Jose reported aircraft noise over her area. Ms. C did not request contact.	Arrival by commercial aircraft. Frequent caller postcard sent on 7/9.
07/05/2010 09:02	07/05/2010 09:05	Ms. H from Willow Glen reported aircraft noise over her area. Ms. H did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 7/9.
07/06/2010 08:11	07/06/2010 09:11	Mr. W from San Jose reported aircraft noise over his area. Mr. W did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 7/9.
07/07/2010 23:37	07/08/2010 11:26	Mr. N from San Jose reported aircraft noise over his area. Mr. N did not request contact.	Curfew investigation revealed a compliant arrival by a commercial aircraft. Frequent caller postcard sent on 7/9.
07/08/2010 12:33	07/08/2010 13:33	Ms. V from the Shasta/Hanchett area reported aircraft noise over her area. Ms. V did not request contact.	Overflight by survey aircraft. Frequent caller postcard sent on 7/9.
07/08/2010 21:54	07/08/2010 23:07	Mr. F from San Jose reported aircraft noise over his area. Mr. F did not request contact.	Overflight by medical helicopter. Frequent caller postcard sent on 7/9.
07/09/2010 03:19	07/09/2010 03:25	Mr. M from North Santa Clara reported aircraft noise over his area. Mr. M did not request contact.	Compliant departure by a Stage 2 medical charter. Frequent caller postcard sent on 7/16.
07/09/2010 05:04	07/09/2010 05:32	Mr. M from North Santa Clara reported aircraft noise over his area. Mr. M did not request contact.	Compliant departure by a Stage 3 business jet. Frequent caller postcard sent on 7/16.
07/11/2010 23:44	07/12/2010 19:54	Mr. N from San Jose reported aircraft noise over his area. Mr. N did not request contact.	Curfew investigation revealed a compliant arrival by a commercial aircraft. Frequent caller postcard sent on 7/16.
07/14/2010 03:52	07/14/2010 10:06	Mr. N from San Jose reported aircraft noise over his area. Mr. N did not request contact.	Curfew investigation revealed a compliant departure by a commercial aircraft. Frequent caller postcard sent on 7/16.
07/15/2010 06:05	07/15/2010 06:10	Mr. M from North Santa Clara reported aircraft noise over his area. Mr. M did not request contact.	Compliant departure by a Stage 3 business jet. Frequent caller postcard sent on 7/16.
07/15/2010 12:09	07/15/2010 13:10	Mr. F from San Jose reported aircraft noise over his area. Mr. F did not request contact.	Overflight by news helicopter. Frequent caller postcard sent on 7/16.
07/15/2010 16:00	07/15/2010 17:18	Mr. M from Willow Glen reported aircraft noise over his area. Mr. M did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 7/16.

# Complaints - July 2010

Event Date Time	Call Date Time	Event	Resolution
07/17/2010 00:32	07/17/2010 06:58	Mr. S from North Santa Clara	Curfew investigation revealed a
		reported aircraft noise over his area. Mr. S did not request contact.	compliant departure by a commercial aircraft. Frequent caller postcard sent on 7/23.
07/19/2010 23:35	07/20/2010 20:41	Mr. N from San Jose reported aircraft noise over his area. Mr. N did not request contact.	Curfew investigation revealed a compliant departure by a commercial aircraft. Frequent caller postcard sent on 7/23.
07/20/2010 23:53	07/21/2010 19:08	Mr. N from San Jose reported aircraft noise over his area. Mr. N did not request contact.	Overflight by a GA aircraft. Frequent caller postcard sent on 7/23.
07/21/2010 00:05	07/22/2010 11:42	Mr. N from San Jose reported aircraft noise over his area. Mr. N did not request contact.	Overflight by a GA aircraft. Frequent caller postcard sent on 7/23.
07/21/2010 08:30	07/21/2010 08:51	Mr. Z from the Shasta/Hanchett area reported aircraft noise over his area. Mr. Z did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 7/23.
07/22/2010 08:45	07/22/2010 09:24	Mr. Z from the Shasta/Hanchett area reported aircraft noise over his area. Mr. Z did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 7/23.
07/23/2010 06:05	07/23/2010 06:25	Ms. P from Shasta/Hanchett reported aircraft noise over her area. Ms. P did not request contact.	Compliant departure by a Stage 3 business jet. Frequent caller postcard sent on 7/23.
07/24/2010 19:39	07/25/2010 09:37	Mr. D from Willow Glen reported aircraft noise over his area. Mr. D did not request contact.	Arrival by commercial aircraft. Frequent caller postcard sent on 7/30.
07/24/2010 23:53	07/24/2010 13:46	Mr. D from San Jose reported aircraft noise over his area. Mr. D did not request contact.	Curfew investigation revealed a compliant arrival by a commercial aircraft. Frequent caller postcard sent on 7/30.
07/25/2010 19:39	07/25/2010 19:49	Ms. S from Willow Glen reported aircraft noise over her area. Ms. S did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 7/30.
07/27/2010 05:09	07/27/2010 22:08	Mr. M from North Santa Clara reported aircraft noise over his area. Mr. M did not request contact.	Compliant departure by a commercial aircraft. Frequent caller postcard sent on 7/30.
07/28/2010 07:35	07/28/2010 07:40	Mr. Z from the Shasta/Hanchett area reported aircraft noise over his area. Mr. Z did request contact.	Departure by commercial aircraft. Noise Staff contacted Mr. Z on 7/28. Frequent caller postcard sent on 7/30.
07/29/2010 11:00	07/29/2010 11:10	Ms. C from the Rose Garden area reported aircraft noise over her area. Ms. C did request contact.	Departure by commercial aircraft. Noise Staff contacted Ms. C on 7/29. Frequent caller postcard sent on 7/30.
07/29/2010 19:12	07/29/2010 19:14	Mr. T from the Shasta/Hanchett area reported aircraft noise over his area. Mr. T did request contact.	Departure by commercial aircraft. Noise Staff contacted Mr. T on 7/29. Frequent caller postcard sent on 7/30.
07/29/2010 23:37	07/29/2010 23:42	Mr. M from North Santa Clara reported aircraft noise over his area. Mr. M did not request contact.	Curfew investigation revealed a compliant departure by a commercial aircraft. Frequent caller postcard sent on 8/6.
07/30/2010 08:43	07/30/2010 12:38	Mr. S from North Santa Clara reported aircraft noise over his area. Mr. S did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 8/6.
07/30/2010 08:45	07/30/2010 12:39	Mr. S from North Santa Clara reported aircraft noise over his area. Mr. S did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 8/6.