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#### TO: HONORABLE MAYOR AND CITY COUNCIL

#### SUBJECT: MONTHLY NOISE REPORT FOR October 2009

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

**DATE:** November 18, 2009

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Approved	E		X	- کر		I

Date 11/20/09

#### **INFORMATION**

Attached for distribution is the Norman Y. Mineta San José International Airport Monthly Noise Report for October 2009.

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

Attachments



# Monthly Noise Report October 2009



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# Analysis of October 2009 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 "**under appeal**" 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 October 2009 was **100%** Stage 3.

#### **Noise Complaints**

The Noise Complaint Summary - October 2009 shows a decrease in the total number of complaints from 46 in September 2009 to 38 in October 2009 (a decrease of 8). There was a total of 22 complainants, with one complainant accounting for 6 complaints, and another for 6 complaints.

#### Monthly Curfew Intrusions Report

**October 2009** resulted in **21** curfew intrusions, an increase of **7** from September 2009. 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 October 2009 Noise Data (continued)

## **General Aviation**

Complaints associated with General Aviation operations changed from **10** in September 2009 to **8** in October 2009. 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 **3** airline run-ups during October 2009. This compares with **0** in September 2009. There were **2** High Power Engine run-ups; **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 - October 2009

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

Noise Complaint	S	May 2009	Jun 2009	Jul 2009	Aug 2009	Sep 2009	Oct 2009
Commercial	Intrusion Related	5	5	4	3	0	1
	Loud	41	31	28	29	33	27
	Frequency	0	0	0	0	0	0
	Overflight	0	1	2	0	3	1
	Other	0	0	0	0	0	1
	Total	46	37	34	32	36	30
General	Intrusion Related	0	0	0	0	0	0
Aviation	Fixed Wing	8	15	12	2	8	8
	Helicopter	0	2	0	1	1	0
	Police Helicopter	0	0	1	0	0	0
	Total	8	17	13	3	9	8
Monthly Noise C	omplaints	54	54	47	35	46	38

Complaints by A	Area	May 2009	Jun 2009	Jul 2009	Aug 2009	Sep 2009	Oct 2009
City of	SJSH - Shasta/Hanchett	0	0	0	1	1	3
San Jose	SJRG - Rose Garden	0	2	1	0	0	3
	SJCC - Civic Center	1	1	4	1	5	2
	SJHP - Hensley Park	0	0	0	0	0	0
	SJWG - Willow Glen	2	4	10	4	9	6
	SJO - Other	11	6	4	6	10	9
	Total	14	13	19	12	25	23
City of	SCNA - North Areas	38	37	24	16	17	12
Santa Clara	SCO - Other	0	0	2	1	0	0
	Total	38	37	26	17	17	12
Other	Other Areas	2	4	2	6	4	3
(Includes Unknown)	Total	2	4	2	6	4	3
Monthly Noise C	Complaints	54	54	47	35	46	38
		:					
No. of Citizens F	Filing Complaints	21	22	18	19	16	22

1.7

Average Complaints per Day

1.8

1.5

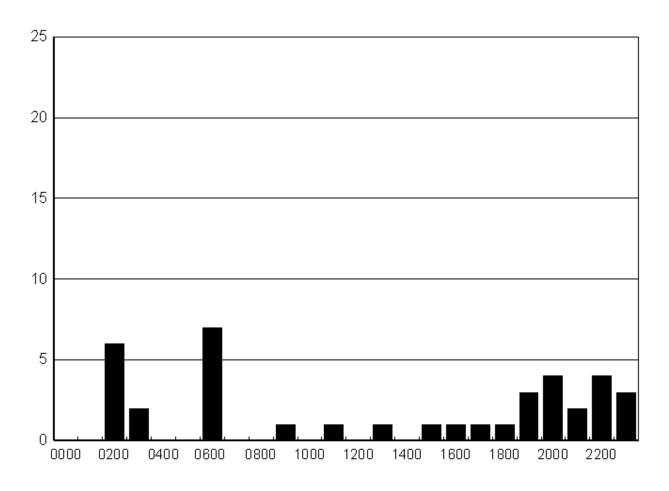
1.1

1.5

1.2

# Noise Complaints by Time of Day

Norman Y. Mineta San Jose International Airport Number of Complaints - October 2009

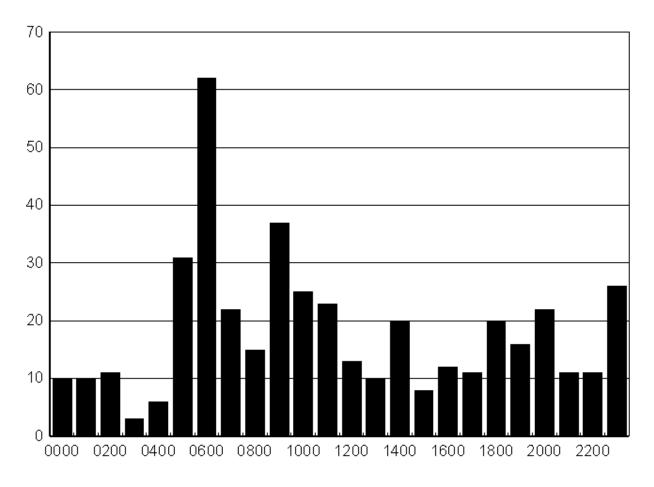


Time of Day

**38 Total Complaints** 

## Noise Complaints by Time of Day - YTD

Norman Y. Mineta San Jose International Airport Number of Complaints - YTD through October 2009

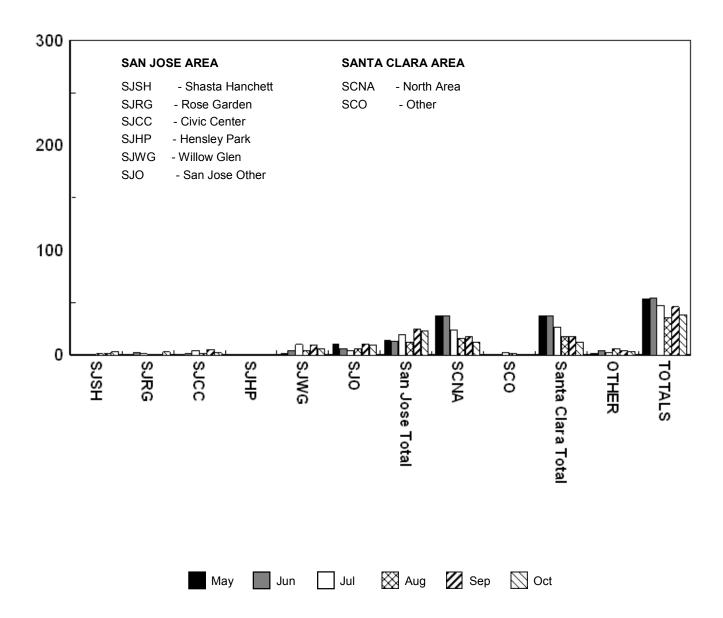


Time of Day

**435 Total Complaints** 

#### **Noise Complaints - City Areas**

#### Norman Y. Mineta San Jose International Airport - SJC Complaints - May 2009 through October 2009



## Monthly Curfew Intrusion Report - October 2009

#### 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
10/01/09	23:56	AAL	AAL1035	A30R	MD83	WEATHER	0
10/03/09	00:41	AAL	AAL1035	A30L	MD83	MECHANICAL	0
10/04/09	23:44	UAL	UAL467	A30L	A319	MECHANICAL	1
10/10/09	23:57	FFT	FFT165	A30L	A318	WEATHER	0
10/13/09	00:00	UAL	UAL467T	A12R	A319	MECHANICAL	0
10/13/09	23:31	AAL	AAL1035	A12R	MD83	WEATHER	0
10/13/09	23:36	UAL	UAL467	A12R	A319	WEATHER	0
10/14/09	00:48	JBU	JBU174	D12L	A320	WEATHER	0
10/16/09	00:46	UAL	UAL467	A30L	A319	MECHANICAL	0
10/19/09	00:27	UAL	UAL467	A30L	A319	MECHANICAL	0
10/21/09	23:53	AAL	AAL1035	A30L	MD83	WEATHER	0
10/24/09	23:32	JBU	JBU174	D30L	A320	WEATHER	0
10/26/09	00:14	AAL	AAL1035	A30L	MD83	WEATHER	0
10/26/09	01:39	TRNSP3	724YS	A30L	B727	OTHER	0
10/26/09	02:31	TRNSP3	724YS	D30L	B727	OTHER	3
10/26/09	23:49	SWA	SWA406	A30L	B737	MECHANICAL	0
10/27/09	00:28	JBU	JBU174	D30R	A320	MECHANICAL	0
10/27/09	00:55	AAL	AAL1035	A30L	MD83	MECHANICAL	0
10/27/09	23:36	SWA	SWA406	A30L	B737	ATC	0
10/30/09	01:18	AAL	AAL1035	A30L	MD83	WEATHER	0
10/31/09	00:07	UAL	UAL467	A30L	A320	MECHANICAL	0

Total Intrusions = 21

Total Complaints = 4

## Monthly Curfew Intrusion Report - October 2009 (continued)

# <u>KEY</u>

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

#### INTRUSIONS IN COMPLIANCE WITH ANCP

ATC Related Operations	Total:	1
Mechanical Related Operations	Total:	9
Weather Related Operations	Total:	9
Lifeflight/Medical Emergency Related Operations	Total:	0
Government/Military/Emergency Related Operations	Total:	0
Other	Total:	2

OTHER:	Flight 724YS (B727)	San Jose Sharks Charter
OTHER:	Flight 724YS (B727)	San Jose Sharks Charter

### INTRUSIONS IN NON-COMPLIANCE WITH ANCP

Non-Comp	liant O	perations	
Non Comp		perationio	

Total:

0

# Curfew (Turbojet) Report Summary - October 2009

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

∆ircraft	Curfew	Intrusions
Anciait	Currew	1111111310113

Airline	Arrivals	Departures	Total	Complaints
AAL - AMERICAN AIRLINES	7	0	7	0
FFT - FRONTIER AIRLINES INC	1	0	1	0
JBU - JETBLUE AIRWAYS	0	3	3	0
SWA - SOUTHWEST AIRLINES	2	0	2	0
UAL - UNITED AIRLINES	6	0	6	1
Commercial Totals	16	3	19	1
Business Jets Stage 2	0	0	0	0
Transport Jets Stage 3	1	1	2	3
Business/Transport Jet Totals	1	1	2	3
Turbojet Totals	17	4	21	4

Total Operations: 12,061

# **Curfew Operations VS Total Operations - October 2009**

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

	Curfew Operations			Total Operations*	Curfew as % of Total Operations		
Airline	Compliant	Non Compliant	Total		Compliant	Non Compliant	Total
AMERICAN AIRLINES	7	0	7	465	1.51	0.00	1.51
FRONTIER AIRLINES INC	1	0	1	186	0.54	0.00	0.54
JETBLUE AIRWAYS	3	0	3	226	1.33	0.00	1.33
SOUTHWEST AIRLINES	2	0	2	4182	0.05	0.00	0.05
UNITED AIRLINES	6	0	6	172	3.49	0.00	3.49
Totals	19	0	19	5231	0.36	0.00	0.36

\*Does not include Cargo or non-scheduled operations.

# Curfew (Turbojet) Report Summary - October 2009

#### 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	8	1	9	1
0000 - 0029	4	1	5	0
0030 - 0059	3	1	4	0
0100 - 0129	1	0	1	0
0130 - 0159	1	0	1	0
0200 - 0229	0	0	0	0
0230 - 0259	0	1	1	3
0300 - 0329	0	0	0	0
0330 - 0359	0	0	0	0
0400 - 0429	0	0	0	0
0430 - 0459	0	0	0	0
0500 - 0529	0	0	0	0
0530 - 0559	0	0	0	0
0600 - 0629	0	0	0	0
0630 - 0659	0	0	0	0
TOTALS	17	4	21	4

# Monthly Airline Run-up Report - October 2009

Date	Time	Carrier	Runway	Aircraft	Run-up Type	Complaints
10/09/09	13:30	AAL	GATE A-1	MD80	LOW POWER	0
10/28/09	21:50	DAL	TWY-Y@L&M	B737	HIGH POWER	0
10/31/09	14:50	SWA	TWY-Y@L&M	B737	HIGH POWER	0

# Monthly Airline Run-up Summary - October 2009

Carrier	Run-up High Power Over 90%	Run-up Part Power 60% to 90%	Run-up Low Power Less than 60%	Total	Complaints
AAL - AMERICAN AIRLINES	0	0	1	1	0
DAL - DELTA AIR LINES INC	1	0	0	1	0
SWA - SOUTHWEST AIRLINES	1	0	0	1	0
Totals	2	0	1	3	0

# Complaints - October 2009

Event Date Time	Call Date Time	Event	Resolution
10/01/2009 02:58	10/16/2009 07:09	Ms. S from the Civic Center reported aircraft noise over her area. Ms. S did not request contact.	Overflight by aircraft enroute to OAK. Frequent caller postcard sent on 10/2.
10/01/2009 09:23	10/01/2009 11:30	Mr. L from San Jose reported aircraft noise over his area. Mr. L did not request contact.	Arrival by commercial aircraft. Frequent caller postcard sent on 10/2.
10/01/2009 20:31	10/02/2009 11:33	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 10/2.
10/01/2009 20:32	10/01/2009 20:33	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 10/2.
10/02/2009 15:01	10/02/2009 15:44	Ms. M from Willow Glen reported aircraft noise over her area. Ms. M did request contact.	Arrival by commercial aircraft. Noise Staff contacted Ms. M on 10/2. Frequent caller postcard sent on 10/2.
10/04/2009 23:42	10/05/2009 09:03	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 10/9.
10/05/2009 21:50	10/05/2009 22:02	Mr. D from San Jose reported aircraft noise over his area. Mr. D did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 10/9.
10/06/2009 06:38	10/06/2009 20:38	Mr. C from Willow Glen reported aircraft noise over his area. Mr. C did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 10/9.
10/07/2009 06:37	10/07/2009 10:41	Mr. C from Willow Glen reported aircraft noise over his area. Mr. C did not request contact.	Arrival by commercial aircraft. Frequent caller postcard sent on 10/9.
10/07/2009 17:30	10/07/2009 21:04	Ms. M from Willow Glen reported aircraft noise over her area. Ms. M did request contact.	Arrival by commercial aircraft. Frequent caller postcard sent on 10/9.
10/09/2009 11:08	10/09/2009 11:09	Mr. P from Los Gatos reported aircraft noise over his area. Mr. P did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 10/9.
10/09/2009 22:52	10/09/2009 22:53	Mr. D from San Jose reported aircraft noise over his area. Mr. D did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 10/9.
10/10/2009 22:50	10/10/2009 22:55	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 10/16.
10/10/2009 22:51	10/10/2009 22:55	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 10/16.
10/11/2009 03:35	10/13/2009 11:41	Mr. M from North Santa Clara reported aircraft noise over his area. Mr. M did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 10/16.
10/11/2009 06:15	10/19/2009 13:51	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 10/16.
10/11/2009 06:17	10/11/2009 16:51	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 10/16.
10/11/2009 06:30	10/11/2009 16:48	Mr. M from North Santa Clara reported aircraft noise over his area. Mr. M did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 10/16.
10/11/2009 06:35	10/11/2009 16:49	Mr. M from North Santa Clara reported aircraft noise over his area. Mr. M did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 10/16.

# Complaints - October 2009

Event Date Time	Call Date Time	Event	Resolution
10/11/2009 16:48	10/19/2009 13:47	Mr. M from North Santa Clara reported aircraft noise over his area. Mr. M did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 10/23.
10/12/2009 23:15	10/12/2009 23:16	Mr. K from San Jose reported aircraft noise over his area. Mr. K did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 10/16.
10/15/2009 13:00	10/15/2009 16:57	Ms. S from Willow Glen reported aircraft noise over his area. Ms. S did not request contact.	Arrival by commercial aircraft. Frequent caller postcard sent on 10/16.
10/15/2009 18:35	10/15/2009 19:07	Ms. N from San Jose reported aircraft noise over her area. Ms. N did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 10/16.
10/15/2009 21:22	10/15/2009 21:32	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 10/16.
10/15/2009 23:45	10/15/2009 23:44	Ms. A from San Jose reported aircraft noise over her area. Ms. A did request contact.	Compliant arrival by a Stage 3 business jet. Noise Staff contacted Ms. A on 10/16. Frequent caller postcard sent on 10/16.
10/17/2009 20:54	10/17/2009 20:54	Ms. R from Willow Glen reported aircraft noise over her area. Ms. R did request contact.	Arrival by commercial aircraft. Noise Staff contacted Ms. R on 10/17. Frequent caller postcard sent on 10/23.
10/17/2009 22:50	10/17/2009 23:36	Ms. R from Willow Glen reported aircraft noise over her area. Ms. R did not request contact.	Arrival by commercial aircraft. Frequent caller postcard sent on 10/23.
10/18/2009 02:56	10/18/2009 02:57	Ms. R from Willow Glen reported aircraft noise over her area. Ms. R did request contact.	Departure by a Stage 3 business jet. Frequent caller postcard sent on 10/23.
10/18/2009 03:44	10/18/2009 03:44	Mr. P from San Jose reported aircraft noise over his area. Mr. P did request contact.	Overflight by aircraft enroute to OAK. Noise Staff contacted Mr. P on 10/19. Frequent caller postcard sent on 10/23.
10/18/2009 06:25	10/18/2009 06:51	Ms. P from the Rose Garden area reported aircraft noise over her area. Ms. P did request contact.	Departure by commercial aircraft. Noise Staff contacted Ms. P on 10/18. Frequent caller postcard sent on 10/23.
10/21/2009 19:20	10/21/2009 21:06	Ms. D from San Jose reported aircraft noise over her area. Ms. D did request contact.	Departure by commercial aircraft. Noise Staff contacted Ms. D on 10/21. Frequent caller postcard sent on 10/30.
10/22/2009 20:27	10/22/2009 20:29	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 10/30.
10/25/2009 19:46	10/25/2009 20:02	Mr. N from the Shasta/Hanchett area reported aircraft noise over his area. Mr. N did not request contact.	Arrival by commercial aircraft. Frequent caller postcard sent on 10/30.
10/26/2009 02:30	10/26/2009 07:48	Mr. S from the Shasta/Hanchett area reported aircraft noise over his area. Mr. S did not request contact.	Departure by a Stage 3 business jet. Frequent caller postcard sent on 10/30.
10/26/2009 02:30	10/26/2009 07:43	Mr. T from the Shasta/Hanchett area reported aircraft noise over his area. Mr. T did request contact.	Departure by a Stage 3 business jet. Noise Staff contacted Mr. T on 10/26. Frequent caller postcard sent on 10/30.
10/26/2009 02:30	10/26/2009 02:39	Mr. S from the Rose Garden area reported aircraft noise over his area. Mr. S did request contact.	Departure by a Stage 3 business jet. Noise Staff contacted Mr. S on 10/26. Frequent caller postcard sent on 10/30.

Complaints - October 2009 Norman Y. Mineta San Jose International Airport Aircraft Noise Monitoring Center						
Event Date Time	Call Date Time	Event	Resolution			
10/26/2009 02:30	10/26/2009 08:41	Mr. M from the Rose Garden area reported aircraft noise over his area. Mr. M did request contact.	Departure by a Stage 3 business jet. Noise Staff contacted Mr. M on 10/27. Frequent caller postcard sent on 10/30.			
10/26/2009 19:40	10/26/2009 19:58	Mr. H from the Civic Center area reported aircraft noise over his area. Mr. H did request contact.	Arrival by commercial aircraft. Noise Staff contacted Mr. H on 10/26. Frequent caller postcard sent on 10/30.			