

SENT TO COUNCIL:

Distributed on:  
JAN 06 2011  
City Manager's Office

# Memorandum

**TO:** HONORABLE MAYOR AND  
CITY COUNCIL

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

**SUBJECT:** MONTHLY NOISE  
REPORT FOR  
NOVEMBER 2010

**DATE:** January 4, 2010

Approved

Date

1/5/2011

## INFORMATION

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

/s/

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

Attachment

NORMAN Y. MINETA  
**SAN JOSE**  
INTERNATIONAL  
A I R P O R T



# Monthly Noise Report November 2010



Monthly Noise Report  
Table of Contents - November 2010

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

# Analysis of November 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 November 2010 was **100%** Stage 3.

## Noise Complaints

**The Noise Complaint Summary - November 2010** shows a decrease in the total number of complaints from **29** in October 2010 to **16** in November 2010 (a decrease of **13**). There was a total of **11** complainants, with one complainant accounting for **4** complaints, and another for **2** complaints.

## Monthly Curfew Intrusions Report

**November 2010** resulted in **28** curfew intrusions, an increase of **1** from October 2010. There were **0** complaints associated with the curfew intrusions. There were **4** operations "**In Non-Compliance**" with the Noise Control Program. A description can be found in the **Monthly Curfew Intrusions Report**.

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

### **General Aviation**

Complaints associated with General Aviation operations changed from **2** in October 2010 to **3** in November 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 **3** airline run-ups during November 2010. This compares with **5** in October 2010. There were **2** High Power Engine run-ups; **2** 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 - November 2010

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

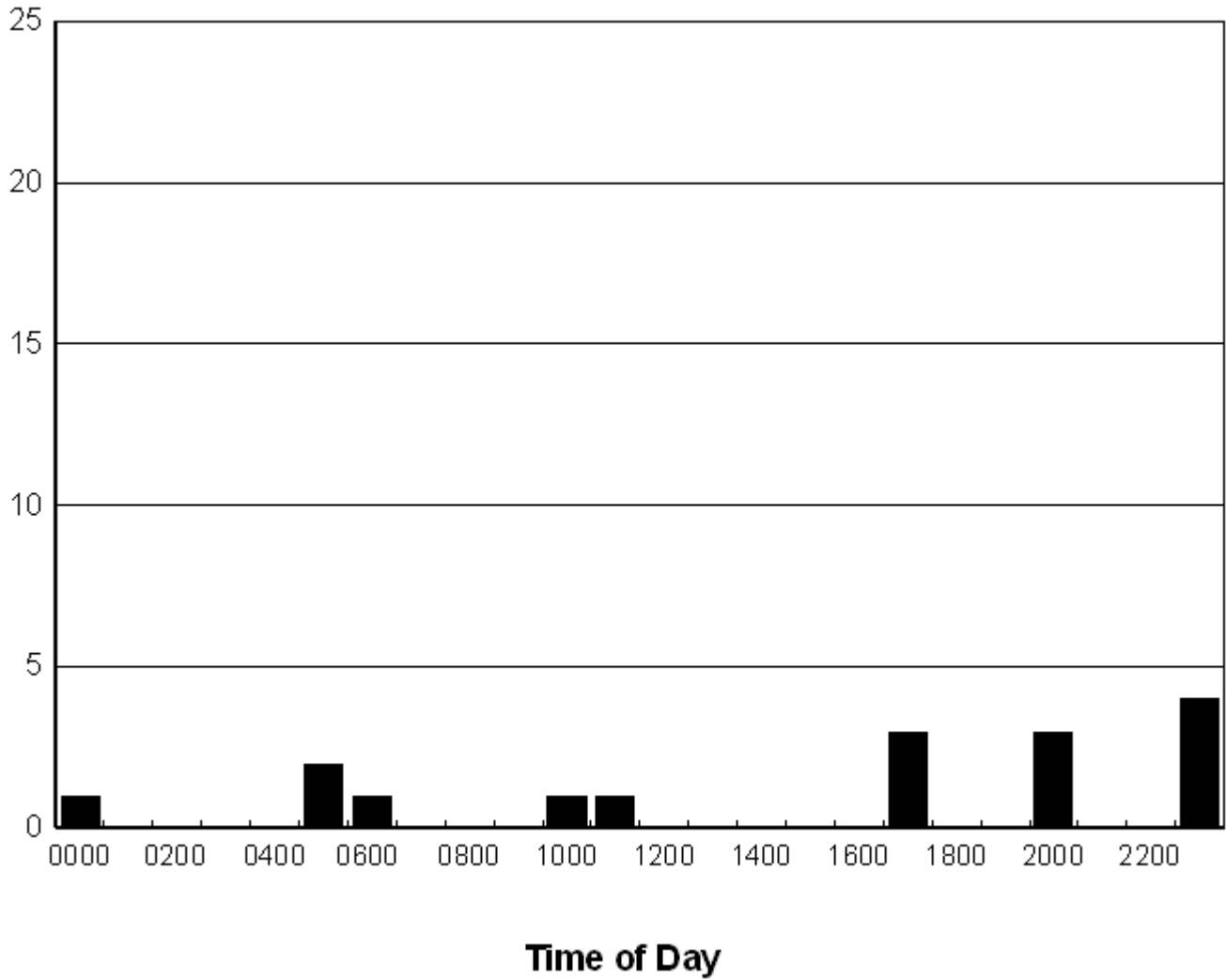
Noise Complaints		Jun 2010	Jul 2010	Aug 2010	Sep 2010	Oct 2010	Nov 2010
<b>Commercial</b>	Intrusion Related	17	11	4	5	6	1
	Loud	21	14	25	14	21	12
	Frequency	0	0	0	0	0	0
	Overflight	0	0	0	0	0	0
	Other	23	0	0	1	0	0
	<b>Total</b>	<b>61</b>	<b>25</b>	<b>29</b>	<b>20</b>	<b>27</b>	<b>13</b>
<b>General Aviation</b>	Intrusion Related	0	0	0	0	0	0
	Fixed Wing	8	7	4	3	0	3
	Helicopter	1	2	0	1	2	0
	Police Helicopter	0	0	0	1	0	0
	<b>Total</b>	<b>9</b>	<b>9</b>	<b>4</b>	<b>5</b>	<b>2</b>	<b>3</b>
<b>Monthly Noise Complaints</b>		<b>70</b>	<b>34</b>	<b>34</b>	<b>25</b>	<b>29</b>	<b>16</b>

Complaints by Area		Jun 2010	Jul 2010	Aug 2010	Sep 2010	Oct 2010	Nov 2010
<b>City of San Jose</b>	SJSH - Shasta/Hanchett	6	7	2	3	1	4
	SJRG - Rose Garden	12	1	2	1	2	1
	SJCC - Civic Center	3	0	4	1	6	1
	SJHP - Hensley Park	3	0	0	0	1	0
	SJWG - Willow Glen	8	4	11	4	1	0
	SJO - Other	18	13	2	3	3	0
	<b>Total</b>	<b>50</b>	<b>25</b>	<b>21</b>	<b>12</b>	<b>14</b>	<b>6</b>
<b>City of Santa Clara</b>	SCNA - North Areas	15	9	6	11	7	2
	SCO - Other	0	0	0	0	0	0
	<b>Total</b>	<b>15</b>	<b>9</b>	<b>6</b>	<b>11</b>	<b>7</b>	<b>2</b>
<b>Other (Includes Unknown)</b>	Other Areas	5	0	7	2	8	8
	<b>Total</b>	<b>5</b>	<b>0</b>	<b>7</b>	<b>2</b>	<b>8</b>	<b>8</b>
<b>Monthly Noise Complaints</b>		<b>70</b>	<b>34</b>	<b>34</b>	<b>25</b>	<b>29</b>	<b>16</b>

<b>No. of Citizens Filing Complaints</b>	46	19	16	17	18	11
<b>Average Complaints per Day</b>	2.3	1.1	1.1	0.8	0.9	.5

# Noise Complaints by Time of Day

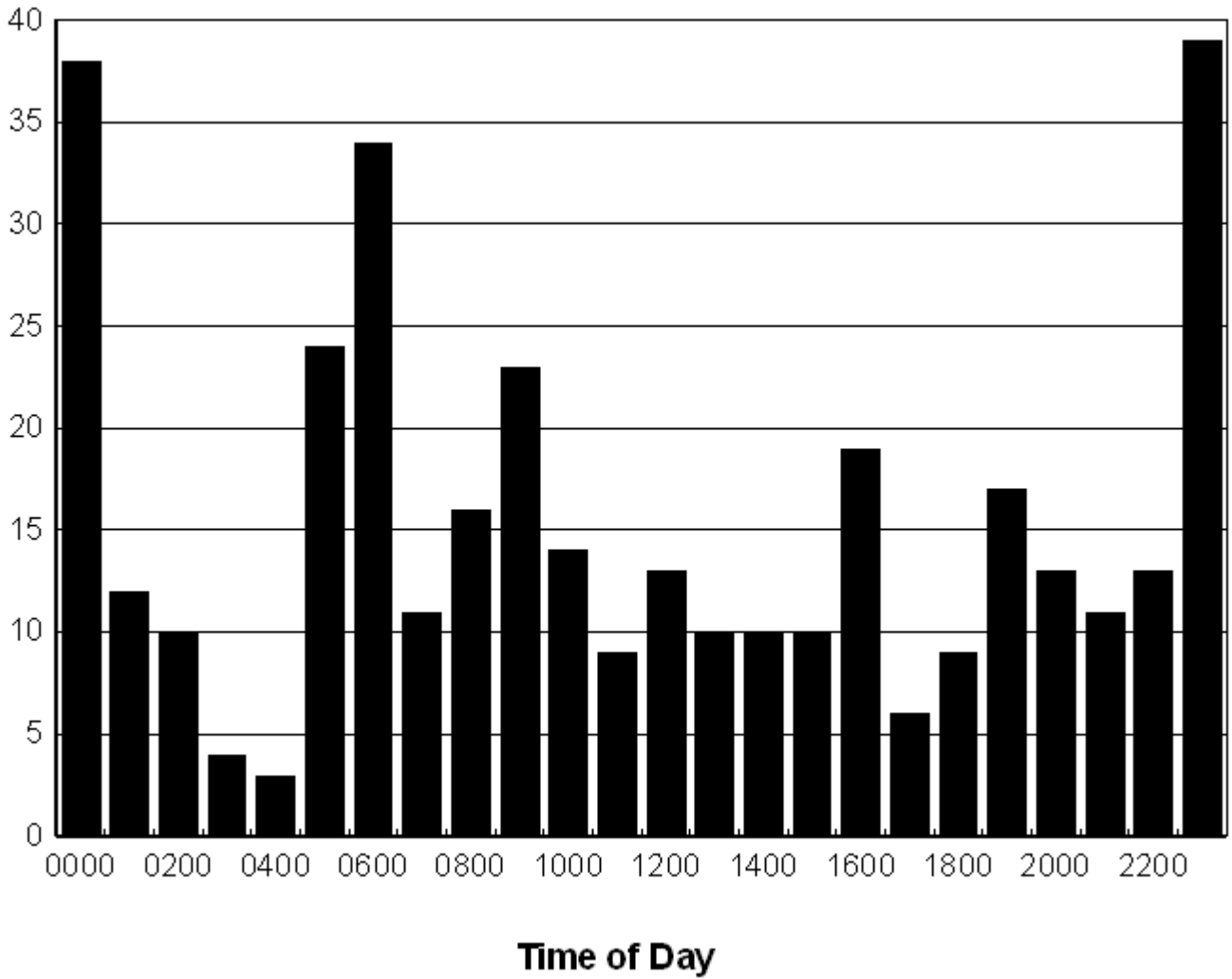
Norman Y. Mineta San Jose International Airport  
Number of Complaints - November 2010



**16 Total Complaints**

# Noise Complaints by Time of Day - YTD

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

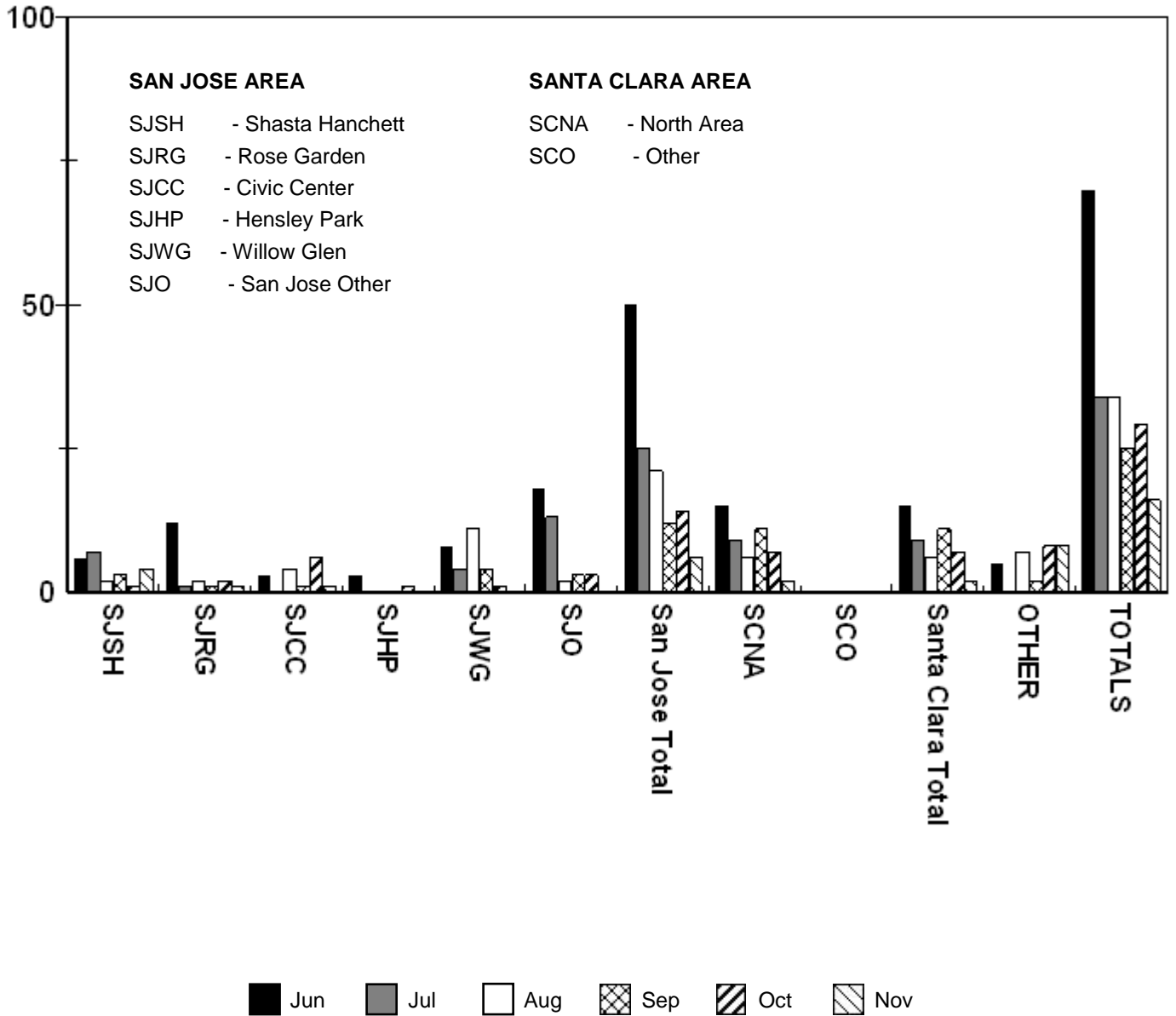


**368 Total Complaints**



## Noise Complaints - City Areas

**Norman Y. Mineta San Jose International Airport - SJC  
Complaints - June 2010 through November 2010**



## Monthly Curfew Intrusion Report - November 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
11/01/10	23:29	SWA	SWA929	A30R	B737	MECHANICAL	0
11/03/10	00:00	AAL	AAL1035	A30L	MD82	WEATHER	0
11/05/10	00:37	TRNSP3	N724YS	A30L	B727	OTHER	0
11/05/10	01:18	TRNSP3	N724YS	D30R	B727	OTHER	0
11/08/10	23:42	UAL	UAL467	A30R	A320	WEATHER	0
11/10/10	00:10	AAL	AAL1035	A12R	MD83	MECHANICAL	0
11/11/10	23:36	BSK	BSK393	D30L	B734	CURFEW	0
11/17/10	00:13	UAL	UAL467	A30L	A320	WEATHER	0
11/18/10	00:13	AAL	AAL1355	A30L	MD83	MECHANICAL	0
11/18/10	23:46	UAL	UAL467	A30R	A320	WEATHER	0
11/19/10	00:59	TRNSP3	N724YS	A30L	B727	OTHER	0
11/19/10	01:45	TRNSP3	N724YS	D30R	B727	OTHER	0
11/19/10	23:33	SWA	SWA1418	A30L	B737	CURFEW	0
11/19/10	23:40	SWA	SWA329	A30R	B735	CURFEW	0
11/21/10	23:40	UAL	UAL467	A30L	A319	MECHANICAL	0
11/22/10	23:47	SWA	SWA718	A30L	B737	WEATHER	0
11/22/10	23:56	SWA	SWA2010	A30R	B737	WEATHER	0
11/22/10	23:59	SWA	SWA948	A30R	B733	MECHANICAL	0
11/23/10	01:21	SWA	SWA582	A12R	B737	WEATHER	0
11/24/10	00:21	JBU	JBU174	D30R	A320	WEATHER	0
11/24/10	00:42	SWA	SWA329	A30R	B735	WEATHER	0
11/24/10	01:27	SWA	SWA513	A12L	B733	WEATHER	0
11/24/10	23:34	SWA	SWA1418	A30R	B737	WEATHER	0
11/28/10	01:49	TRNSP3	N724YS	A30L	B727	OTHER	0
11/28/10	03:24	TRNSP3	N724YS	D30R	B727	OTHER	0
11/28/10	23:37	TRNSP3	N682RW	A30L	DC95	CURFEW	0
11/29/10	23:39	DAL	DAL1684	D30R	B738	SECURITY	0
11/30/10	23:36	UAL	UAL467	A30L	A320	WEATHER	0

**Total Intrusions = 28**

**Total Complaints = 0**

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

### KEY

**RUNWAY** - A = Arrival D = Departure (Number)  
**STAGE 2 BTJ** - Older Technology Business Turbojet  
**TRNSP3** - Stage 3 Transport Category Aircraft  
**LIFEFLIGHT** - Medical Emergency Flights  
**OTHER**  
**UNKNOWN**

**ATC** - FAA Air Traffic Control Factors  
**MECHANICAL** - Aircraft Mechanical Delays  
**WEATHER** - Weather Related Factors  
**UNIVERSAL TIME** - 1pm = 13:00 and 11pm = 23:00  
**SECURITY**

### INTRUSIONS IN COMPLIANCE WITH ANCP

ATC Related Operations	Total:	0
Mechanical Related Operations	Total:	5
Weather Related Operations	Total:	12
Lifeflight/Medical Emergency Related Operations	Total:	0
Government/Military/Emergency Related Operations	Total:	1
Other	Total:	6

**OTHER:** Flight N724YS (B727) San Jose Sharks Charter  
**OTHER:** Flight N724YS (B727) San Jose Sharks Charter  
**OTHER:** Flight N724YS (B727) San Jose Sharks Charter  
**OTHER:** Flight N724YS (B727) San Jose Sharks Charter  
**OTHER:** Flight N724YS (B727) San Jose Sharks Charter  
**OTHER:** Flight N724YS (B727) San Jose Sharks Charter

### INTRUSIONS IN NON-COMPLIANCE WITH ANCP

**CURFEW:** Miami Air International, Flight BSK393, (B734) New York Islanders Hockey Charter-Late Departure  
**CURFEW:** Southwest Airlines Co. Flight SWA1418, (B737) Southwest Airlines- Late Arrival-Citation Issued  
**CURFEW:** Southwest Airlines Co. Flight SWA329, (B735) Southwest Airlines-Late Arrival-Citation Issued  
**CURFEW:** Flight N682RW, (DC95) Detroit Red Wings Charter-Citation Issued-Late Departure

**Non-Compliant Operations** **Total:** 4

## Curfew (Turbojet) Report Summary - November 2010

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

### Aircraft Curfew Intrusions

Airline	Arrivals	Departures	Total	Complaints
AAL - AMERICAN AIRLINES	3	0	3	0
BSK - MIAMI AIR INTERNATIONAL, INC.	0	1	1	0
DAL - DELTA AIR LINES, INC.	0	1	1	0
JBU - JETBLUE AIRWAYS	0	1	1	0
SWA - SOUTHWEST AIRLINES	10	0	10	0
UAL - UNITED AIRLINES	5	0	5	0
<b>Commercial Totals</b>	<b>18</b>	<b>3</b>	<b>21</b>	<b>0</b>
Business Jets Stage 2	0	0	0	0
Transport Jets Stage 3	4	3	7	0
<b>Business/Transport Jet Totals</b>	<b>4</b>	<b>3</b>	<b>7</b>	<b>0</b>
<b>Turbojet Totals</b>	<b>22</b>	<b>6</b>	<b>28</b>	<b>0</b>

Total Operations: 10,778

## Curfew Operations VS Total Operations - November 2010

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

Airline	Curfew Operations			Total Operations*	Curfew as % of Total Operations		
	Compliant	Non Compliant	Total		Compliant	Non Compliant	Total
AMERICAN AIRLINES	3	0	3	460	0.65	0.00	0.65
DELTA AIR LINES, INC.	1	0	1	156	0.64	0.00	0.64
JETBLUE AIRWAYS	1	0	1	118	0.85	0.00	0.85
MIAMI AIR INTERNATIONAL, INC.	0	1	1	6	0.00	16.67	16.67
SOUTHWEST AIRLINES	8	2	10	3777	0.21	0.05	0.26
UNITED AIRLINES	5	0	5	176	2.84	0.00	2.84
<b>Totals</b>	<b>18</b>	<b>3</b>	<b>21</b>	<b>4693</b>	<b>0.38</b>	<b>0.06</b>	<b>0.45</b>

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

## Curfew (Turbojet) Report Summary - November 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	1	0	1	0
2330 - 2359	11	2	13	0
0000 - 0029	4	1	5	0
0030 - 0059	3	0	3	0
0100 - 0129	2	1	3	0
0130 - 0159	1	1	2	0
0200 - 0229	0	0	0	0
0230 - 0259	0	0	0	0
0300 - 0329	0	1	1	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
<b>TOTALS</b>	<b>22</b>	<b>6</b>	<b>28</b>	<b>0</b>

## Monthly Airline Run-up Report - November 2010

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

Date	Time	Carrier	Runway	Aircraft	Run-up Type	Complaints
11/06/10	06:45	ASA	TWY-Y@L&M	B737	HIGH POWER	0
11/17/10	05:45	UAL	A-10	B757	LOW POWER	0
11/17/10	06:25	UAL	TWY-Y@M&N	B757	HIGH POWER	0

## Monthly Airline Run-up Summary - November 2010

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

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	1	0	0	1	0
UAL - UNITED AIRLINES	1	0	1	2	0
<b>Totals</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>



## Complaints - November 2010

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

Event Date Time	Call Date Time	Event	Resolution
11/02/2010 17:02	11/02/2010 17:10	Mr. S from the Shasta/Hanchett area reported aircraft noise over his area. Mr. S did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 11/5.
11/02/2010 17:06	11/02/2010 16:08	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 11/2. Frequent caller postcard sent on 11/5.
11/04/2010 10:23	11/04/2010 10:25	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 11/5.
11/07/2010 23:00	11/07/2010 23:00	Mr. W from Sunnyvale reported aircraft noise over his area. Mr. W did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 11/12.
11/07/2010 23:00	11/07/2010 23:26	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 11/12.
11/14/2010 06:31	11/14/2010 11:31	Mr. W from Sunnyvale reported aircraft noise over his area. Mr. W did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 11/19.
11/14/2010 11:41	11/14/2010 11:50	Mr. P from Los Gatos reported aircraft noise over his area. Mr. P did not request contact.	Arrival by commercial aircraft. Frequent caller postcard sent on 11/19.
11/14/2010 17:48	11/14/2010 17:52	Mr. P from Los Gatos reported aircraft noise over his area. Mr. P did not request contact.	Arrival by commercial aircraft. Frequent caller postcard sent on 11/19.
11/15/2010 00:23	11/15/2010 01:12	Mr. P from Los Gatos reported aircraft noise over his area. Mr. P did not request contact.	Curfew investigation revealed a compliant arrival by a commercial aircraft. Frequent caller postcard sent on 11/19.
11/15/2010 05:33	11/15/2010 05:50	Ms. D from Campbell reported aircraft noise over his area. Ms. D did not request contact.	Compliant departure by a Stage 3 business jet. Frequent caller postcard sent on 11/19.
11/15/2010 20:30	11/15/2010 21:05	Ms. C from the Rose Garden area reported aircraft noise over her area. Ms. C did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 11/19.
11/15/2010 20:37	11/15/2010 21:24	Ms. C from the Civic Center area reported aircraft noise over her area. Ms. C did not request contact.	Departure by commercial aircraft. Frequent caller postcard sent on 11/19.
11/15/2010 23:22	11/15/2010 23:50	Mr. P from Los Gatos reported aircraft noise over his area. Mr. P did not request contact.	Arrival by commercial aircraft. Frequent caller postcard sent on 11/19.
11/17/2010 05:25	11/17/2010 17:50	Mr. S from the Shasta/Hanchett area aircraft noise over his area. Mr. S did not request contact.	Compliant departure by a Stage 3 business jet. Frequent caller postcard sent on 11/19.
11/29/2010 20:22	11/29/2010 21:30	Ms. L from the Shasta/Hanchett area reported aircraft noise over her area. Ms. L did not request contact.	Arrival by commercial aircraft. Frequent caller postcard sent on 12/3.
11/29/2010 23:59	11/30/2010 12:50	Mr. M from Campbell 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 12/3.