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City Manager's Office

Memorandum

TO: HONORABLE MAYOR AND
CITY COUNCIL

FROM: Kimberly B. Aguirre

SUBJECT: MONTHLY NOISE
REPORT FOR
FEBRUARY 2011

DATE: April 6, 2011

Approved

Date

4/8/11

INFORMATION

Attached for distribution is the Norman Y. Mineta San José International Airport Monthly Noise Report for February 2011.

/s/

Kimberly B. Aguirre
Assistant Director of Aviation

Attachments

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



Monthly Noise Report February 2011



Monthly Noise Report
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Analysis of February 2011 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 February 2011 was **100%** Stage 3.

Noise Complaints

The Noise Complaint Summary - February 2011 shows a decrease in the total number of complaints from **28** in January 2011 to **25** in February 2011 (a decrease of **3**). There was a total of **14** complainants, with one complainant accounting for **5** complaints, and another for **3** complaints.

Monthly Curfew Intrusions Report

February 2011 resulted in **49** curfew intrusions, an increase of **23** from January 2011. There were **12** complaints associated with the curfew intrusions. There were **9** operations "**In Non-Compliance**" with the Noise Control Program. A description can be found in the **Monthly Curfew Intrusions Report**.

Analysis of February 2011 Noise Data (continued)

General Aviation

Complaints associated with General Aviation operations changed from **8** in January 2011 to **5** in February 2011. 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 **1** airline run-up during February 2011. This compares with **9** in January 2011. There were **0** 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 - February 2011
Norman Y. Mineta San Jose International Airport
Aircraft Monitoring Center

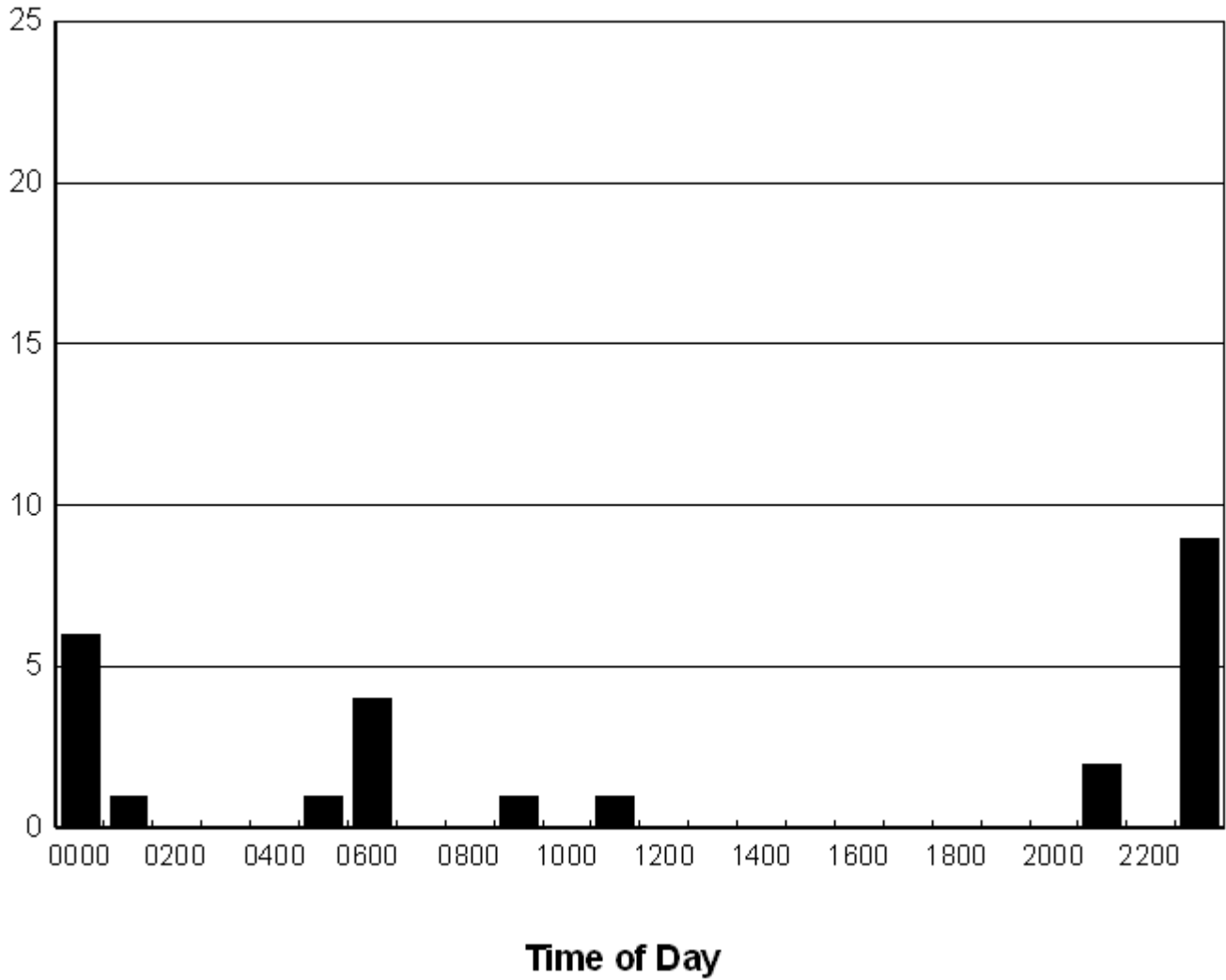
Noise Complaints		Sep 2010	Oct 2010	Nov 2010	Dec 2010	Jan 2011	Feb 2011
Commercial	Intrusion Related	5	6	1	7	4	14
	Loud	14	21	12	9	14	6
	Frequency	0	0	0	0	0	0
	Overflight	0	0	0	0	2	0
	Other	1	0	0	0	0	0
	Total	20	27	13	16	20	20
General Aviation	Intrusion Related	0	0	0	0	3	2
	Fixed Wing	3	0	3	1	4	1
	Helicopter	1	2	0	1	0	2
	Police Helicopter	1	0	0	0	1	0
	Total	5	2	3	2	8	5
Monthly Noise Complaints		25	29	16	18	28	25

Complaints by Area		Sep 2010	Oct 2010	Nov 2010	Dec 2010	Jan 2011	Feb 2011
City of San Jose	SJSH - Shasta/Hanchett	3	1	4	3	2	4
	SJRG - Rose Garden	1	2	1	0	0	1
	SJCC - Civic Center	1	6	1	4	5	7
	SJHP - Hensley Park	0	1	0	0	0	1
	SJWG - Willow Glen	4	1	0	2	4	1
	SJO - Other	3	3	0	3	3	2
	Total	12	14	6	12	14	16
City of Santa Clara	SCNA - North Areas	11	7	2	2	8	7
	SCO - Other	0	0	0	0	1	0
	Total	11	7	2	2	9	7
Other (Includes Unknown)	Other Areas	2	8	8	4	5	2
	Total	2	8	8	4	5	2
Monthly Noise Complaints		25	29	16	18	28	25

No. of Citizens Filing Complaints	17	18	11	14	17	14
Average Complaints per Day	0.8	0.9	0.5	0.6	0.9	.9

Noise Complaints by Time of Day

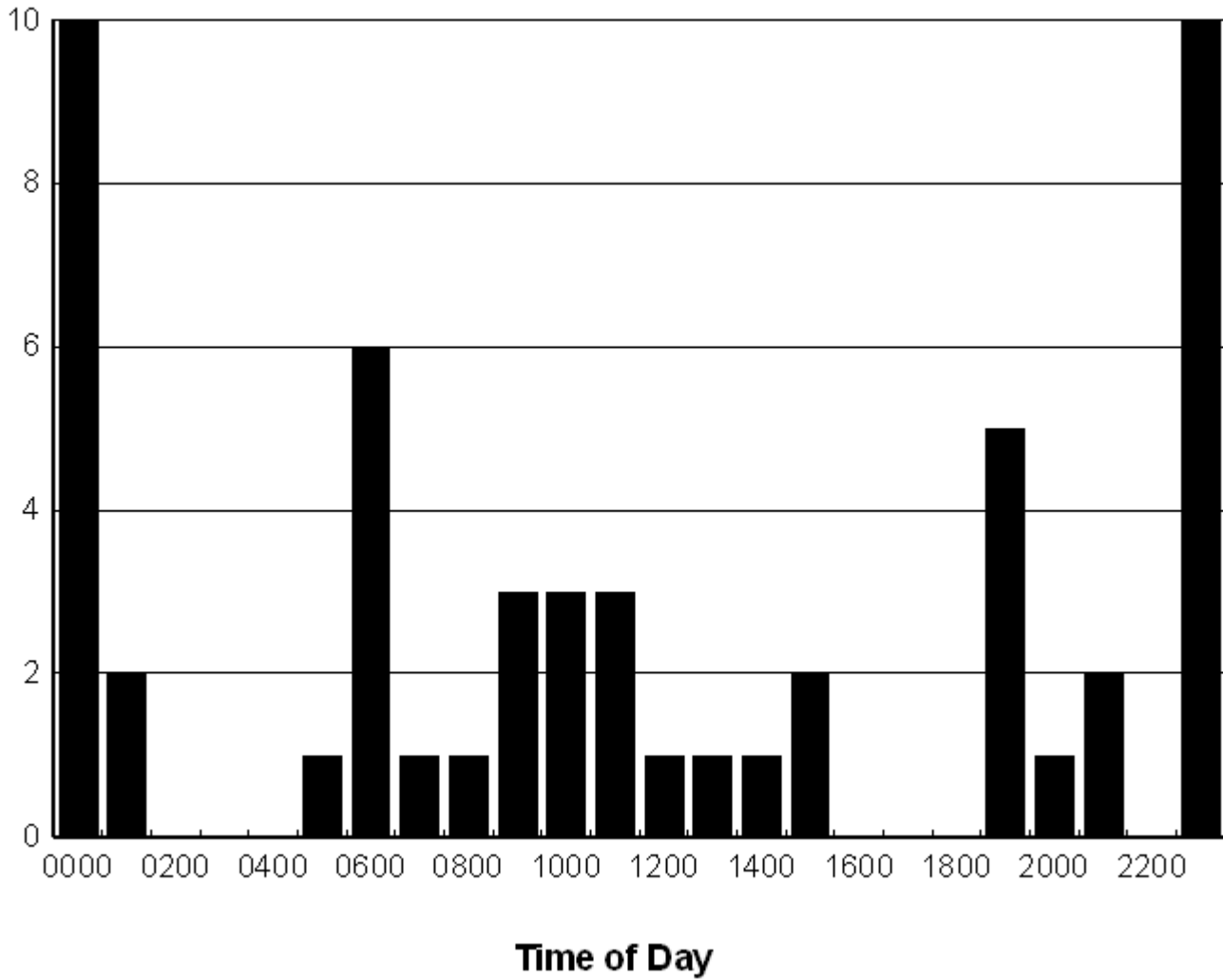
Norman Y. Mineta San Jose International Airport
Number of Complaints - February 2011



25 Total Complaints

Noise Complaints by Time of Day - YTD

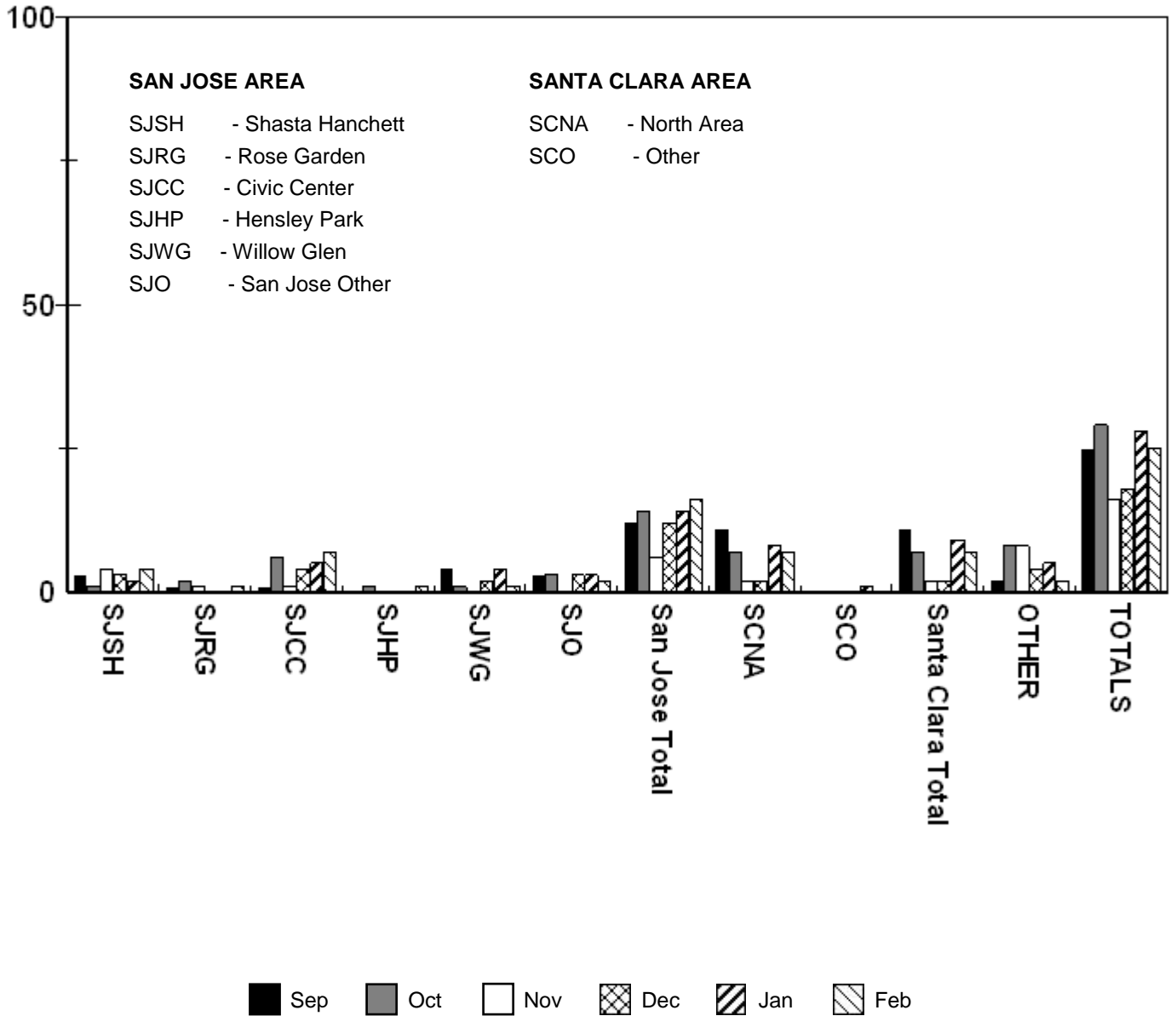
Norman Y. Mineta San Jose International Airport
Number of Complaints - YTD through February 2011



53 Total Complaints

Noise Complaints - City Areas

**Norman Y. Mineta San Jose International Airport - SJC
Complaints - September 2010 through February 2011**



Monthly Curfew Intrusion Report - February 2011

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
02/01/11	23:58	TRNSP3	N724YS	D30L	B722	OTHER	2
02/02/11	00:17	AAL	AAL1065	A30L	MD83	WEATHER	0
02/03/11	23:44	SWA	SWA692	A30L	B737	MECHANICAL	0
02/03/11	23:52	DAL	DAL1684	D30R	A320	SECURITY	1
02/04/11	23:48	SWA	SWA469	A30R	B737	WEATHER	0
02/04/11	23:52	AAL	AAL1065	A30L	MD83	WEATHER	0
02/05/11	00:11	ASA	ASA226	D12L	B738	CURFEW	1
02/05/11	00:49	SWA	SWA893	A30L	B737	WEATHER	0
02/05/11	01:25	SWA	SWA893	D12L	B737	WEATHER	1
02/06/11	01:45	ASA	ASA894	A30L	B738	MECHANICAL	0
02/14/11	00:12	ASA	ASA226	D12L	B738	CURFEW	0
02/14/11	23:54	ASA	ASA226	D12L	B738	CURFEW	1
02/16/11	01:44	TRNSP3	N724YS	A30L	B722	OTHER	0
02/17/11	00:43	ASA	ASA226	D12L	B738	CURFEW	0
02/17/11	23:39	COA	COA489	A12R	B738	WEATHER	0
02/18/11	00:07	JBU	JBU173	A12R	A320	WEATHER	0
02/18/11	00:10	SWA	SWA1596	A12R	B737	MECHANICAL	0
02/18/11	01:10	JBU	JBU174	D12L	A320	WEATHER	0
02/18/11	23:32	SWA	SWA215	A30L	B735	ATC	0
02/18/11	23:38	JBU	JBU173	A30L	A320	WEATHER	0
02/18/11	23:44	UAL	UAL467	A30L	A319	WEATHER	0
02/18/11	23:56	ASA	ASA226	D30R	B738	CURFEW	0
02/19/11	00:45	JBU	JBU174	D30R	A320	WEATHER	0
02/20/11	00:20	JBU	JBU173	A30L	A320	WEATHER	1
02/20/11	01:32	JBU	JBU174	D30R	A320	WEATHER	0
02/21/11	00:06	ASA	ASA226	D30R	B738	CURFEW	0
02/21/11	01:16	AAL	AAL827	A30L	B738	ATC	0
02/21/11	23:41	SWA	SWA531	A30R	B733	WEATHER	0
02/21/11	23:56	DAL	DAL1684	D30R	B738	WEATHER	1
02/21/11	23:58	ASA	ASA226	D30R	B738	CURFEW	2
02/22/11	00:02	JBU	JBU174	D30R	A320	WEATHER	2
02/22/11	00:29	DAL	DAL2279	A30L	MD88	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
02/22/11	23:47	UAL	UAL467	A30R	A319	MECHANICAL	0
02/23/11	00:26	SWA	SWA1596	A30R	B737	MECHANICAL	0
02/23/11	23:30	SWA	SWA215	A30L	B735	MECHANICAL	0
02/23/11	23:31	ASA	ASA226	D30R	B738	CURFEW	0
02/24/11	23:34	SWA	SWA2981	A12L	B737	WEATHER	0
02/25/11	00:10	SWA	SWA2550	A12R	B733	MECHANICAL	0
02/25/11	00:19	AAL	AAL1721	A12R	MD83	MECHANICAL	0
02/25/11	05:50	DAL	DAL9858	A12R	B738	MECHANICAL	0
02/25/11	23:36	ASA	ASA226	D30R	B738	CURFEW	0
02/26/11	00:26	JBU	JBU173	A30L	A320	ATC	0
02/26/11	01:24	JBU	JBU174	D12L	A320	WEATHER	0
02/26/11	02:42	SWA	SWA2981	A30L	B737	MECHANICAL	0
02/26/11	23:48	JBU	JBU174	D30R	A320	WEATHER	0
02/27/11	00:02	AAL	AAL827	A30L	B738	WEATHER	0
02/27/11	23:30	AAL	AAL827	A30L	B738	WEATHER	0
02/27/11	23:45	SWA	SWA2550	A30L	B733	MECHANICAL	0
02/28/11	23:57	ASA	ASA226	D30R	B738	MECHANICAL	0

Total Intrusions = 49

Total Complaints = 12

Monthly Curfew Intrusion Report - February 2011 (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:	3
Mechanical Related Operations	Total:	12
Weather Related Operations	Total:	22
Lifeflight/Medical Emergency Related Operations	Total:	0
Government/Military/Emergency Related Operations	Total:	1
Other	Total:	2

OTHER: Flight N724YS (B722) San Jose Sharks Charter

OTHER: Flight N724YS (B722) San Jose Sharks Charter

INTRUSIONS IN NON-COMPLIANCE WITH ANCP

CURFEW: Alaska Airlines Inc. Flight ASA226, (B738) Citation Issued
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Non-Compliant Operations	Total:	9
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Curfew (Turbojet) Report Summary - February 2011

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

Aircraft Curfew Intrusions

Airline	Arrivals	Departures	Total	Complaints
AAL - AMERICAN AIRLINES	6	0	6	0
ASA - ALASKA AIRLINES	1	10	11	4
COA - CONTINENTAL AIRLINES	1	0	1	0
DAL - DELTA AIR LINES, INC.	2	2	4	2
JBU - JETBLUE AIRWAYS	4	6	10	3
SWA - SOUTHWEST AIRLINES	12	1	13	1
UAL - UNITED AIRLINES	2	0	2	0
Commercial Totals	28	19	47	10
Business Jets Stage 2	0	0	0	0
Transport Jets Stage 3	1	1	2	2
Business/Transport Jet Totals	1	1	2	2
Turbojet Totals	29	20	49	12

Total Operations: 9,774

Curfew Operations VS Total Operations - February 2011

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
ALASKA AIRLINES	2	9	11	576	0.35	1.56	1.91
AMERICAN AIRLINES	6	0	6	394	1.52	0.00	1.52
CONTINENTAL AIRLINES	1	0	1	124	0.81	0.00	0.81
DELTA AIR LINES, INC.	4	0	4	136	2.94	0.00	2.94
JETBLUE AIRWAYS	10	0	10	72	13.89	0.00	13.89
SOUTHWEST AIRLINES	13	0	13	3458	0.38	0.00	0.38
UNITED AIRLINES	2	0	2	128	1.56	0.00	1.56
Totals	38	9	47	4888	0.78	0.18	0.96

*Does not include Cargo or non-scheduled operations.

Curfew (Turbojet) Report Summary - February 2011

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	13	10	23	7
0000 - 0029	10	4	14	4
0030 - 0059	1	2	3	0
0100 - 0129	1	3	4	1
0130 - 0159	2	1	3	0
0200 - 0229	0	0	0	0
0230 - 0259	1	0	1	0
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	1	0	1	0
0600 - 0629	0	0	0	0
0630 - 0659	0	0	0	0
TOTALS	29	20	49	12

Monthly Airline Run-up Report - February 2011

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

Date	Time	Carrier	Runway	Aircraft	Run-up Type	Complaints
02/19/11	00:15	SWA	R-35	B734	LOW POWER	0

Monthly Airline Run-up Summary - February 2011

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
SWA - SOUTHWEST AIRLINES	0	0	1	1	0
Totals	0	0	1	1	0

Complaints - February 2011

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

Event Date Time	Call Date Time	Event	Resolution
02/01/2011 21:10	02/02/2011 00:30	Ms. G from Shasta Hanchett Area reported aircraft noise over her area. Ms. G did not request contact.	Departure by commercial aircraft.
02/01/2011 23:57	02/02/2011 00:19	Ms. G from Shasta Hatchett Area reported aircraft noise over her area. Mr. G did not request contact.	Curfew investigation revealed a compliant departure by a Stage III aircraft.
02/01/2011 23:57	02/02/2011 00:03	Ms. C from Rose Garden Area reported aircraft noise over her area. Ms. C did not request contact.	Curfew investigation revealed a compliant departure by a Stage III aircraft. Frequent caller postcard sent on 02/04.
02/02/2011 09:30	02/02/2011 12:52	Mr. S from North Santa Clara reported aircraft noise over his area. Mr. S did not request contact.	Departure by a commercial aircraft. Frequent caller postcard sent on 02/04.
02/03/2011 00:25	02/03/2011 05:46	Ms. S from San Jose Civic Center reported aircraft noise over her area. Ms. S did not request contact.	Compliant departure by Stage III aircraft. Frequent caller postcard sent on 02/03.
02/03/2011 05:40	02/03/2011 06:33	Ms. W from Santa Clara reported aircraft noise over her area. Ms. W did request contact.	Compliant departure by Stage III aircraft. Noise staff contacted Ms. W on 02/03.
02/03/2011 23:51	02/04/2011 00:24	Mr. S from North Santa Clara reported aircraft noise over his area. Mr. S did not request contact.	Curfew investigation revealed a compliant departure by a commercial aircraft. Frequent caller postcard sent on 02/11.
02/05/2011 00:15	02/05/2011 00:15	Ms. M from San Jose Civic Center area reported aircraft noise over her area. Mr. M did not request contact.	Curfew investigation revealed a non-compliant departure by a commercial aircraft. Frequent caller postcard sent on 02/11.
02/05/2011 01:25	02/05/2011 13:30	Ms. S from San Jose Civic Center area reported aircraft noise over her area. Ms. S did not request contact.	Curfew investigation revealed compliant departure by commercial aircraft. Frequent caller postcard sent on 02/11.
02/05/2011 06:00	02/05/2011 06:50	Ms. E from Hensley Park Area reported aircraft noise over her area. Ms. E did request contact.	Departure by compliant Stage III commercial aircraft. Noise Staff contacted Ms. E on 2/5. Frequent caller postcard sent on 02/11.
02/05/2011 06:30	02/05/2011 06:56	Ms. M from San Jose Civic Center reported aircraft noise over her area. Ms. M did request contact.	Departure by commercial aircraft. Noise Staff contacted Ms. M on 2/5. Frequent caller postcard sent on 02/11.
02/06/2011 11:10	02/06/2011 11:22	Mr. A from Willow Glen area reported aircraft noise over his area. Mr. A did not request contact.	Arrival by commercial aircraft.
02/09/2011 06:06	02/09/2011 06:09	Ms. P from Shasta Hanchett reported aircraft noise over her area. Ms. P did not request contact.	Departure by compliant Stage III General Aviation aircraft. Frequent caller postcard sent on 02/11.
02/11/2011 23:11	02/11/2011 23:11	Ms. C from San Jose Civic Center reported aircraft noise over her area. Ms. P did not request contact.	Departure by commercial aircraft.
02/12/2011 23:30	02/12/2011 23:35	Ms. G from San Jose Shasta Hanchett area reported aircraft noise over her area. Ms. G did not request contact.	Departure by commercial aircraft.

Complaints - February 2011

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

Event Date Time	Call Date Time	Event	Resolution
02/14/2011 23:55	02/14/2011 23:59	Ms. M from San Jose Civic Center area reported aircraft noise over her area. Ms. M did request contact.	Curfew investigation revealed a non compliant departure by a commercial aircraft. Noise Staff contacted Ms. M on 02/16. Frequent caller postcard sent on 02/18.
02/18/2011 06:50	02/18/2011 07:02	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 02/18.
02/20/2011 00:18	02/20/2011 11:08	Ms. S from San Jose reported aircraft noise over her area. Ms. S did not request contact.	Curfew investigation revealed a compliant arrival of a commercial aircraft. Frequent caller postcard sent on 02/22.
02/21/2011 21:37	02/21/2011 21:56	Mr. M from Campbell area reported helicopter noise over his area. Mr. M did not request contact.	Overflight by CALSTAR helicopter.
02/21/2011 23:56	02/22/2011 07:41	Mr. S from North Santa Clara reported aircraft noise over his area. Mr. S did not request contact.	Curfew investigation revealed a compliant departure by a commercial aircraft. Frequent caller postcard sent on 02/22.
02/21/2011 23:58	02/22/2011 07:41	Mr. S from North Santa Clara reported aircraft noise over his area. Mr. S did not request contact.	Curfew investigation revealed a non-compliant departure by a commercial aircraft. Frequent caller postcard sent on 02/22.
02/21/2011 23:58	02/22/2011 00:03	Mr. M from North Santa Clara reported aircraft noise over his area. Mr. M did not request contact.	Curfew investigation revealed a non-compliant departure by a commercial aircraft. Frequent caller postcard sent on 02/22.
02/22/2011 00:02	02/22/2011 07:41	Mr. S from North Santa Clara reported aircraft noise over his area. Mr. S did not request contact.	Curfew investigation revealed a compliant departure by a commercial aircraft. Frequent caller postcard sent on 02/22.
02/22/2011 00:03	02/22/2011 00:06	Ms. C from San Jose Civic Center reported aircraft noise over her area. Ms. C did not request contact.	Curfew investigation revealed compliant departure by commercial aircraft.
02/22/2011 00:06	02/22/2011 00:19	Mr. M from Campbell reported helicopter noise over his area. Mr. M did not request contact.	Overflight by CALSTAR helicopter.