

Late Night Noise Limitation Program quarterly reports for 2020

Total Airline Operations and Exceedances During Late Night Hours

PAX = passenger airline

CRG = cargo airline

Airline Code	Airline Name	Type*	Total Operations	Total Number of Exceedances	Percent of Operations
AAL	American Airlines	PAX	230	0	0%
ABX	ABX Air	CRG	11	1	9%
AJT	Amerijet	CRG	3	0	0%
ASA	Alaska Airlines	PAX	790	5	Less than 1%
ATN	Air Transport International	CRG	236	28	12%
BAW	British Airways	PAX	1	1	100%
CAL	China Airlines Cargo	CRG	32	30	94%
CKS	Kalitta Air	CRG	3	1	33%
CLX	Cargolux	CRG	15	11	73%
CPA	Cathay Pacific	PAX	48	0	0%
CPZ	Compass Airlines	PAX	15	0	0%
DAL	Delta Air Lines	PAX	324	2	Less than 1%
EIN	Aer Lingus	PAX	2	0	0%
EVA	EVA Air	PAX	114	61	54%
FDX	FedEx Express	CRG	92	54	59%
GTI	Atlas Air	CRG	2	1	50%
HAL	Hawaiian Airlines	PAX	11	0	0%
JBU	JetBlue	PAX	40	0	0%
KAL	Korean Air Cargo	CRG	15	7	47%
NKS	Spirit Airlines	PAX	9	0	0%
OAE	Omni Air	PAX	24	3	13%
QXE	Horizon Airlines	PAX	211	0	0%
SCX	Sun Country Airlines	PAX	4	0	0%
SKW	SkyWest Airlines	PAX	25	0	0%
SWA	Southwest Airlines	PAX	109	2	2%
SWQ	Swift Air	PAX	1	0	0%
UAL	United Airlines	PAX	172	1	Less than 1%
VDA	Volga-Dnepr Airlines	CRG	6	5	83%
Totals			2545	213	8%

Airlines With No Operations During Late Night Hours:

Frontier Airlines, Lufthansa, Virgin Atlantic, Hainan Airlines, Japan Airlines, All Nippon Airlines, Emirates Airlines, Air Canada, Volaris, Jazz Aviation, Iceland Air, Air France, Norwegian Airlines, Singapore Airlines, Asiana Airlines, Aeromexico

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA12	01/13/2020 01:27	EVA Air	EVA003	B77W	94.32
SEA12	01/13/2020 02:08	EVA Air	EVA025	B77W	95.523
SEA12	01/14/2020 01:05	EVA Air	EVA025	B77W	91.277
SEA12	01/14/2020 02:21	China Airlines Cargo	CAL5261	B744	97.105
SEA12	02/09/2020 00:25	EVA Air	EVA025	B77W	91.792
SEA12	03/08/2020 00:31	EVA Air	EVA025	B77W	91.849
SEA12	03/09/2020 01:27	EVA Air	EVA025	B77W	91.116
SEA12	03/14/2020 01:48	EVA Air	EVA025	B77W	91.321
SEA12	03/14/2020 03:15	China Airlines Cargo	CAL5261	B744	96.847
SEA12	03/15/2020 02:45	Atlas Air	GTI2871	B744	94.514
SEA12	03/16/2020 01:32	Cargolux	CLX38F	B748	92.186
SEA12	03/18/2020 01:35	EVA Air	EVA025	B77W	91.929
SEA12	03/21/2020 02:08	China Airlines Cargo	CAL5261	B744	98.28

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 19

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA19	01/01/2020 00:42	EVA Air	EVA025	B77W	91.41
SEA19	01/02/2020 00:11	EVA Air	EVA003	B77W	92.36
SEA19	01/02/2020 00:41	EVA Air	EVA025	B77W	91.775
SEA19	01/04/2020 00:25	EVA Air	EVA003	B77W	91.69
SEA19	01/04/2020 00:51	EVA Air	EVA025	B77W	91.56
SEA19	01/04/2020 01:27	China Airlines Cargo	CAL5261	B744	95.688
SEA19	01/05/2020 00:29	Cargolux	CLX38F	B744	94.069
SEA19	01/06/2020 00:36	EVA Air	EVA003	B77W	91.459
SEA19	01/06/2020 01:29	EVA Air	EVA025	B77W	92.084
SEA19	01/06/2020 04:47	China Airlines Cargo	CAL5281	B744	94.406
SEA19	01/07/2020 01:14	China Airlines Cargo	CAL5261	B744	94.295
SEA19	01/08/2020 00:57	EVA Air	EVA025	B77W	91.548
SEA19	01/09/2020 00:33	Cargolux	CLX38B	B748	94.191
SEA19	01/09/2020 00:47	EVA Air	EVA003	B77W	94.097
SEA19	01/09/2020 01:07	EVA Air	EVA025	B77W	93.362
SEA19	01/10/2020 00:47	EVA Air	EVA025	B77W	92.009
SEA19	01/11/2020 00:31	EVA Air	EVA003	B77W	91.864
SEA19	01/11/2020 01:17	EVA Air	EVA025	B77W	92.318
SEA19	01/11/2020 01:22	China Airlines Cargo	CAL5261	B744	97.567
SEA19	01/12/2020 01:32	Cargolux	CLX38F	B748	91.816
SEA19	01/12/2020 02:00	EVA Air	EVA025	B77W	92.073

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA19	01/13/2020 02:38	China Airlines Cargo	CAL5281	B744	97.165
SEA19	01/17/2020 00:36	EVA Air	EVA025	B77W	92.065
SEA19	01/18/2020 00:25	EVA Air	EVA003	B77W	91.448
SEA19	01/18/2020 00:46	EVA Air	EVA025	B77W	91.334
SEA19	01/18/2020 01:18	China Airlines Cargo	CAL5261	B744	96.293
SEA19	01/19/2020 00:46	EVA Air	EVA025	B77W	91.623
SEA19	01/20/2020 00:51	EVA Air	EVA025	B77W	92.042
SEA19	01/21/2020 00:51	China Airlines Cargo	CAL5261	B744	94.402
SEA19	01/23/2020 00:16	EVA Air	EVA003	B77W	91.624
SEA19	01/23/2020 00:47	EVA Air	EVA025	B77W	91.062
SEA19	01/24/2020 01:11	British Airways	BAW48Q	B772	92.386
SEA19	01/24/2020 01:26	EVA Air	EVA025	B77W	91.937
SEA19	01/25/2020 00:52	China Airlines Cargo	CAL5261	B744	94.776
SEA19	01/26/2020 00:47	Cargolux	CLX38F	B744	96.432
SEA19	01/27/2020 00:41	EVA Air	EVA025	B77W	91.509
SEA19	01/28/2020 00:42	EVA Air	EVA025	B77W	93.009
SEA19	01/28/2020 01:06	Cargolux	CLX46U	B748	91.748
SEA19	01/28/2020 01:20	China Airlines Cargo	CAL5321	B744	95.819
SEA19	01/30/2020 00:30	EVA Air	EVA025	B77W	91.972
SEA19	01/31/2020 00:35	EVA Air	EVA025	B77W	91.304
SEA19	02/01/2020 01:21	China Airlines Cargo	CAL5261	B744	97.265
SEA19	02/02/2020 01:25	EVA Air	EVA025	B77W	91.358
SEA19	02/03/2020 00:38	EVA Air	EVA025	B77W	93.367
SEA19	02/04/2020 00:58	China Airlines Cargo	CAL5261	B744	97.835
SEA19	02/06/2020 00:04	EVA Air	EVA003	B77W	91.423
SEA19	02/08/2020 01:07	China Airlines Cargo	CAL5261	B744	98.691
SEA19	02/11/2020 00:36	EVA Air	EVA025	B77W	91.717
SEA19	02/12/2020 00:31	EVA Air	EVA025	B77W	91.592
SEA19	02/13/2020 00:12	EVA Air	EVA003	B77W	91.574
SEA19	02/13/2020 00:40	EVA Air	EVA025	B77W	91.845
SEA19	02/13/2020 00:47	Cargolux	CLX38B	B748	94.213
SEA19	02/15/2020 00:06	EVA Air	EVA003	B77W	91.167
SEA19	02/15/2020 00:38	EVA Air	EVA025	B77W	91.473
SEA19	02/15/2020 01:02	China Airlines Cargo	CAL5261	B744	98.216
SEA19	02/16/2020 00:31	EVA Air	EVA025	B77W	91.117
SEA19	02/16/2020 03:16	Cargolux	CLX38F	B748	93.894
SEA19	02/17/2020 02:44	Volga-Dnepr	VDA2911	A124	93.983
SEA19	02/18/2020 00:52	China Airlines Cargo	CAL5261	B744	98.044
SEA19	02/22/2020 00:00	EVA Air	EVA003	B77W	91.32
SEA19	02/22/2020 00:30	EVA Air	EVA025	B77W	91.955
SEA19	02/22/2020 01:01	China Airlines Cargo	CAL5261	B744	99.102
SEA19	02/25/2020 00:49	China Airlines Cargo	CAL5261	B744	96.368
SEA19	02/29/2020 00:43	EVA Air	EVA025	B77W	91.036
SEA19	02/29/2020 02:34	China Airlines Cargo	CAL5261	B744	96.22
SEA19	03/01/2020 00:55	EVA Air	EVA025	B77W	91.065

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA19	03/02/2020 00:50	EVA Air	EVA025	B77W	91.112
SEA19	03/03/2020 03:59	Cargolux	CLX46U	B748	93.71
SEA19	03/05/2020 00:10	Cargolux	CLX38B	B748	91.41
SEA19	03/05/2020 00:37	EVA Air	EVA025	B77W	91.307
SEA19	03/06/2020 00:48	EVA Air	EVA025	B77W	91.146
SEA19	03/07/2020 00:37	EVA Air	EVA025	B77W	92.432
SEA19	03/07/2020 01:02	China Airlines Cargo	CAL5261	B744	99.213
SEA19	03/11/2020 01:49	EVA Air	EVA025	B77W	91.46
SEA19	03/11/2020 01:56	Korean Air Cargo	KAL8248	B744	97.463
SEA19	03/12/2020 00:40	EVA Air	EVA003	B77W	92.551
SEA19	03/13/2020 01:43	EVA Air	EVA025	B77W	91.395
SEA19	03/19/2020 01:25	EVA Air	EVA025	B77W	92.408
SEA19	03/20/2020 01:43	EVA Air	EVA025	B77W	92.757
SEA19	03/20/2020 02:21	Air Transport Intl	ATN3408	B763	93.547
SEA19	03/22/2020 01:37	EVA Air	EVA025	B77W	92.804
SEA19	03/25/2020 01:20	EVA Air	EVA025	B77W	92.014
SEA19	03/26/2020 03:11	Air Transport Intl	ATN3412	B763	93.527
SEA19	03/28/2020 01:31	EVA Air	EVA025	B77W	91.022
SEA19	03/28/2020 02:10	China Airlines Cargo	CAL5261	B744	97.764
SEA19	03/28/2020 02:25	Air Transport Intl	ATN3408	B763	93.368
SEA19	03/30/2020 01:58	Cargolux	CLX38F	B744	94.096
SEA19	03/31/2020 01:29	EVA Air	EVA025	B77W	91.57
SEA19	03/31/2020 04:37	China Airlines Cargo	CAL5261	B744	98.433

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA12	01/02/2020 04:12	FedEx Express	FDX1423	MD11	88.601
SEA12	01/03/2020 02:40	China Airlines Cargo	CAL5235	B744	92.044
SEA12	01/03/2020 03:09	Air Transport Intl	ATN3203	B763	89.446
SEA12	01/03/2020 04:00	FedEx Express	FDX1885	MD11	91.686
SEA12	01/04/2020 02:39	Air Transport Intl	ATN3203	B763	88.491
SEA12	01/04/2020 03:31	FedEx Express	FDX1885	MD11	90.403
SEA12	01/04/2020 03:42	Omni Air	OAE5704	B763	88.806
SEA12	01/05/2020 02:56	Air Transport Intl	ATN3203	B763	88.43
SEA12	01/06/2020 02:03	China Airlines Cargo	CAL5281	B744	88.85
SEA12	01/06/2020 02:55	Air Transport Intl	ATN3203	B763	90.432
SEA12	01/07/2020 02:28	Air Transport Intl	ATN3203	B763	91.825
SEA12	01/07/2020 04:00	Omni Air	OAE323	B763	92.024
SEA12	01/07/2020 04:11	FedEx Express	FDX1885	MD11	90.731
SEA12	01/08/2020 04:07	FedEx Express	FDX1885	MD11	89.663
SEA12	01/10/2020 04:06	FedEx Express	FDX1885	MD11	91.346
SEA12	01/11/2020 03:46	Air Transport Intl	ATN3203	B763	88.815
SEA12	01/11/2020 04:04	FedEx Express	FDX1885	MD11	90.819
SEA12	01/12/2020 03:50	FedEx Express	FDX710	MD11	90.583
SEA12	01/15/2020 03:56	FedEx Express	FDX1885	MD11	88.644
SEA12	01/17/2020 04:56	FedEx Express	FDX1885	MD11	88.369
SEA12	01/18/2020 03:10	Air Transport Intl	ATN3203	B763	89.602
SEA12	01/18/2020 03:57	FedEx Express	FDX1885	MD11	91.028
SEA12	01/19/2020 03:38	FedEx Express	FDX710	MD11	91.037
SEA12	01/21/2020 02:19	Korean Air Cargo	KAL233	B748	88.358
SEA12	01/21/2020 03:35	FedEx Express	FDX1885	MD11	88.011
SEA12	01/22/2020 02:22	Air Transport Intl	ATN3203	B763	88.408
SEA12	01/22/2020 03:51	FedEx Express	FDX1885	MD11	89.395
SEA12	01/23/2020 02:04	Air Transport Intl	ATN3203	B763	88.198
SEA12	01/23/2020 03:54	FedEx Express	FDX1885	MD11	93.557
SEA12	01/23/2020 04:20	Omni Air	OAE323	B763	88.172
SEA12	01/24/2020 03:57	FedEx Express	FDX1885	MD11	90.63
SEA12	01/25/2020 04:11	FedEx Express	FDX1885	MD11	89.28
SEA12	01/26/2020 03:22	FedEx Express	FDX710	MD11	90.802
SEA12	01/27/2020 03:53	Air Transport Intl	ATN3203	B763	88.843
SEA12	01/27/2020 04:09	ABX Air	ABX904	B762	88.657
SEA12	01/28/2020 00:13	Volga-Dnepr	VDA2834	A124	94.571
SEA12	01/28/2020 04:00	FedEx Express	FDX1885	MD11	90.739
SEA12	01/29/2020 04:21	FedEx Express	FDX1885	MD11	89.527
SEA12	01/30/2020 04:12	FedEx Express	FDX1885	MD11	89.095
SEA12	01/31/2020 02:30	Korean Air Cargo	KAL233	B77L	88.27
SEA12	01/31/2020 02:51	Air Transport Intl	ATN3203	B763	90.349
SEA12	01/31/2020 04:00	FedEx Express	FDX1885	MD11	92.547
SEA12	02/01/2020 02:20	Alaska Airlines	ASA126	B739	89.331

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA12	02/01/2020 03:29	Air Transport Intl	ATN3203	B763	92.583
SEA12	02/01/2020 03:53	FedEx Express	FDX1885	MD11	92.831
SEA12	02/01/2020 04:59	Delta Air Lines	DAL2024	B739	88.051
SEA12	02/03/2020 00:41	Volga-Dnepr	VDA2854	A124	88.072
SEA12	02/04/2020 04:14	FedEx Express	FDX1885	MD11	89.173
SEA12	02/05/2020 02:36	Air Transport Intl	ATN3203	B763	90.159
SEA12	02/05/2020 04:25	Alaska Airlines	ASA128	B739	89.844
SEA12	02/06/2020 03:58	FedEx Express	FDX1885	MD11	92.677
SEA12	02/07/2020 03:48	FedEx Express	FDX1885	MD11	88.376
SEA12	02/08/2020 00:14	Volga-Dnepr	VDA2860	A124	94.132
SEA12	02/08/2020 02:49	Air Transport Intl	ATN3203	B763	90.176
SEA12	02/08/2020 04:08	FedEx Express	FDX1885	MD11	89.853
SEA12	02/11/2020 02:18	Korean Air Cargo	KAL233	B748	89.29
SEA12	02/11/2020 04:11	FedEx Express	FDX1885	MD11	90.669
SEA12	02/13/2020 03:56	FedEx Express	FDX1885	MD11	92.316
SEA12	02/14/2020 02:51	Air Transport Intl	ATN3203	B763	89.546
SEA12	02/14/2020 04:05	FedEx Express	FDX1885	MD11	90.793
SEA12	02/15/2020 02:33	Air Transport Intl	ATN3203	B763	89.528
SEA12	02/15/2020 04:02	FedEx Express	FDX1885	MD11	89.776
SEA12	02/16/2020 02:30	Air Transport Intl	ATN3203	B763	88.404
SEA12	02/16/2020 03:38	FedEx Express	FDX710	MD11	89.629
SEA12	02/22/2020 03:52	FedEx Express	FDX1885	MD11	89.177
SEA12	02/23/2020 03:29	FedEx Express	FDX710	MD11	91.213
SEA12	02/24/2020 00:10	Delta Air Lines	DAL763	B763	88.988
SEA12	02/27/2020 04:39	FedEx Express	FDX1885	MD11	88.056
SEA12	02/29/2020 02:57	Air Transport Intl	ATN3203	B763	88.998
SEA12	02/29/2020 04:06	FedEx Express	FDX1885	MD11	89.35
SEA12	03/01/2020 03:31	FedEx Express	FDX710	MD11	88.413
SEA12	03/03/2020 02:40	Korean Air Cargo	KAL233	B748	89.31
SEA12	03/03/2020 03:29	China Airlines Cargo	CAL5261	B744	89.773
SEA12	03/03/2020 03:59	FedEx Express	FDX1885	MD11	88.565
SEA12	03/04/2020 03:45	FedEx Express	FDX1885	MD11	88.077
SEA12	03/05/2020 03:48	FedEx Express	FDX1885	MD11	88.868
SEA12	03/06/2020 03:21	China Airlines Cargo	CAL5235	B744	89.278
SEA12	03/06/2020 03:36	Volga-Dnepr	VDA2970	A124	92.103
SEA12	03/06/2020 03:40	FedEx Express	FDX1885	MD11	88.453
SEA12	03/07/2020 02:34	Air Transport Intl	ATN3203	B763	89.068
SEA12	03/07/2020 03:47	FedEx Express	FDX1885	MD11	88.44
SEA12	03/08/2020 01:10	Air Transport Intl	ATN4203	B763	88.575
SEA12	03/08/2020 03:26	FedEx Express	FDX710	MD11	88.871
SEA12	03/11/2020 04:09	FedEx Express	FDX1885	MD11	90.872
SEA12	03/20/2020 03:50	FedEx Express	FDX1885	MD11	88.621
SEA12	03/22/2020 03:11	FedEx Express	FDX710	DC10	88.402
SEA12	03/23/2020 02:33	Air Transport Intl	ATN3401	B763	88.066
SEA12	03/24/2020 02:33	China Airlines Cargo	CAL5261	B744	90.132

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA12	03/24/2020 03:49	FedEx Express	FDX1885	MD11	88.584
SEA12	03/27/2020 03:40	FedEx Express	FDX1885	MD11	91.071
SEA12	03/27/2020 04:22	China Airlines Cargo	CAL5235	B744	91.131
SEA12	03/29/2020 03:42	FedEx Express	FDX710	MD11	91.696
SEA12	03/29/2020 04:58	Kalitta Air	CKS344	B763	89.869
SEA12	03/30/2020 02:40	Air Transport Intl	ATN3401	B763	88.748

Aircraft Arrivals Exceeding 82 dB SEL at Noise Monitor 13

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA13	01/01/2020 00:05	Alaska Airlines	ASA124	B739	82.195
SEA13	01/01/2020 01:00	Delta Air Lines	DAL3060	B752	82.551
SEA13	01/03/2020 00:59	United Airlines	UAL351	B739	82.763
SEA13	01/03/2020 01:02	Southwest Airlines	SWA2280	B738	82.117
SEA13	01/24/2020 02:13	Air Transport Intl	ATN3203	B763	84.965
SEA13	01/31/2020 00:25	Alaska Airlines	ASA1761	B739	82.289
SEA13	02/01/2020 00:02	Southwest Airlines	SWA301	B737	82.38
SEA13	02/07/2020 00:08	Alaska Airlines	ASA21	B739	82.161
SEA13	02/14/2020 00:18	Alaska Airlines	ASA1761	B739	82.633
SEA13	02/18/2020 02:37	Korean Air Cargo	KAL233	B748	83.345

Aircraft Arrivals Exceeding 89 dB SEL at Noise Monitor 18

- No Exceedances in Q1 -

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 19

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA19	01/14/2020 02:26	Air Transport Intl	ATN3203	B763	88.954
SEA19	01/14/2020 04:17	FedEx Express	FDX1885	MD11	88.461
SEA19	02/09/2020 03:55	FedEx Express	FDX710	MD11	90.181
SEA19	03/09/2020 02:44	Air Transport Intl	ATN3203	B763	90.678
SEA19	03/14/2020 00:32	China Airlines Cargo	CAL5261	B744	91.86
SEA19	03/14/2020 03:54	FedEx Express	FDX1885	MD11	88.545
SEA19	03/14/2020 04:25	Korean Air Cargo	KAL233	B748	88.149
SEA19	03/15/2020 03:47	FedEx Express	FDX710	MD11	89.441
SEA19	03/17/2020 03:30	Korean Air Cargo	KAL233	B748	88.066
SEA19	03/21/2020 03:49	FedEx Express	FDX1885	MD11	88.632

Total Airline Operations and Exceedances During Late Night Hours in 2nd Quarter 2020

PAX = passenger airline

CRG = cargo airline

Airline Code	Airline Name	Type*	Total Operations	Total Number of Exceedances	Percent of Operations
AAL	American Airlines	PAX	19	0	0%
AAR	Asiana Cargo	CRG	14	9	64%
ABX	ABX Air	CRG	11	1	9%
AJT	Amerijet	CRG	4	0	0%
ASA	Alaska Airlines	PAX	188	0	0%
ATN	Air Transport Intl' (Prime Air)	CRG	372	20	5%
CAL	China Airlines Cargo	CRG	44	32	73%
CKS	Kalitta Air	CRG	10	6	60%
CLX	Cargolux	CRG	23	22	96%
DAL	Delta Air Lines	PAX	67	0	0%
EVA	EVA Air	PAX	74	30	41%
FDX	FedEx Express	CRG	125	59	47%
GTI	Atlas Air	CRG	9	2	22%
HAL	Hawaiian Airlines	PAX	8	0	0%
JBU	JetBlue	PAX	3	0	0%
KAL	Korean Air Cargo	CRG	42	9	21%
NKS	Spirit Airlines	PAX	1	0	0%
OAE	Omni Air	PAX	7	0	0%
QXE	Horizon Airlines	PAX	1	0	0%
SKW	SkyWest Airlines	PAX	7	0	0%
SWA	Southwest Airlines	PAX	32	0	0%
WGN	Western Global Airlines	CRG	1	1	100%
Totals			1062	191	18%

Airlines With No Operations During Late Night Hours:

Frontier Airlines, Lufthansa, Virgin Atlantic, Hainan Airlines, Japan Airlines, All Nippon Airlines, Emirates Airlines, Air Canada, United Airlines, Volaris, Jazz Aviation, Iceland Air, Air France, Norwegian Airlines, Singapore Airlines, Aeromexico Sun Country Airlines, Cathay Pacific

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	SEL Noise Level
SEA12	04/02/2020 01:30	EVA Air	EVA025	B77W	91.279
SEA12	04/06/2020 04:57	China Airlines Cargo	CAL5281	B744	97.768
SEA12	04/09/2020 01:21	Cargolux	CLX38B	B748	91.855
SEA12	04/18/2020 01:58	China Airlines Cargo	CAL5261	B744	98.236
SEA12	04/25/2020 01:21	EVA Air	EVA025	B77W	93.072
SEA12	04/29/2020 02:32	Air Transport Intl'	ATN3408	B762	91.925
SEA12	05/07/2020 01:14	EVA Air	EVA025	B77W	91.602
SEA12	05/07/2020 03:59	Cargolux	CLX38B	B748	93.258
SEA12	05/08/2020 03:33	Air Transport Intl'	ATN3412	B763	92
SEA12	05/09/2020 02:18	China Airlines Cargo	CAL5261	B744	96.08
SEA12	05/28/2020 00:26	Cargolux	CLX38B	B748	94.199
SEA12	05/30/2020 01:49	China Airlines Cargo	CAL5261	B744	97.505
SEA12	06/02/2020 01:45	Cargolux	CLX46U	B748	95.314
SEA12	06/02/2020 01:55	China Airlines Cargo	CAL5261	B744	97.998
SEA12	06/02/2020 02:20	EVA Air	EVA025	B77W	91.603
SEA12	06/04/2020 00:09	Cargolux	CLX38B	B748	94.396
SEA12	06/04/2020 02:47	Air Transport Intl'	ATN3224	B762	91.253
SEA12	06/04/2020 04:42	FedEx Express	FDX492	A306	91.51
SEA12	06/05/2020 01:17	EVA Air	EVA025	B77W	91.526
SEA12	06/09/2020 02:13	EVA Air	EVA003	B77W	91.18
SEA12	06/18/2020 00:17	Cargolux	CLX38B	B748	94.506
SEA12	06/18/2020 02:02	EVA Air	EVA025	B77W	92.528
SEA12	06/18/2020 03:25	Air Transport Intl'	ATN3224	B762	91.315
SEA12	06/19/2020 01:23	EVA Air	EVA025	B77W	91.653
SEA12	06/19/2020 03:59	Asiana Cargo	AAR2613	B744	93.529
SEA12	06/22/2020 01:51	Asiana Cargo	AAR2819	B744	96.324
SEA12	06/22/2020 01:57	EVA Air	EVA003	B77W	92.179
SEA12	06/22/2020 02:27	Air Transport Intl'	ATN3224	B762	92.077
SEA12	06/22/2020 02:36	China Airlines Cargo	CAL5235	B744	95.69
SEA12	06/22/2020 04:14	Asiana Cargo	AAR241	B744	98.849

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	SEL Noise Level
SEA12	06/23/2020 02:21	China Airlines Cargo	CAL5261	B744	94.012
SEA12	06/25/2020 00:08	Cargolux	CLX38B	B748	93.075
SEA12	06/25/2020 01:17	EVA Air	EVA025	B77W	91.458
SEA12	06/25/2020 02:04	EVA Air	EVA003	B77W	92.09
SEA12	06/25/2020 04:53	Asiana Cargo	AAR241	B744	93.722
SEA12	06/27/2020 01:46	EVA Air	EVA025	B77W	91.334
SEA12	06/27/2020 02:24	China Airlines Cargo	CAL5261	B744	98.372

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 19

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA19	04/01/2020 03:12	Cargolux	CLX46U	B744	93.639
SEA19	04/04/2020 01:17	EVA Air	EVA025	B77W	91.228
SEA19	04/04/2020 02:03	China Airlines Cargo	CAL5261	B744	97.34
SEA19	04/04/2020 03:14	Air Transport Intl'	ATN3412	B763	94.215
SEA19	04/07/2020 01:31	China Airlines Cargo	CAL5261	B744	98.115
SEA19	04/07/2020 01:43	EVA Air	EVA025	B77W	91.922
SEA19	04/11/2020 02:23	China Airlines Cargo	CAL5261	B744	99.327
SEA19	04/14/2020 01:57	China Airlines Cargo	CAL5261	B744	97.349
SEA19	04/21/2020 01:55	China Airlines Cargo	CAL5261	B744	96.905
SEA19	04/23/2020 03:28	Cargolux	CLX38B	B744	95.26
SEA19	04/28/2020 02:03	China Airlines Cargo	CAL5261	B744	96.944
SEA19	04/30/2020 00:45	Cargolux	CLX38B	B744	96.367
SEA19	05/02/2020 02:06	China Airlines Cargo	CAL5261	B744	95.054
SEA19	05/03/2020 01:59	Cargolux	CLX38F	B744	96.92
SEA19	05/12/2020 01:53	China Airlines Cargo	CAL5261	B744	98.529
SEA19	05/12/2020 02:04	EVA Air	EVA025	B77W	91.551
SEA19	05/14/2020 00:42	Cargolux	CLX38B	B744	97.51

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 19

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA19	05/16/2020 01:59	China Airlines Cargo	CAL5261	B744	98.833
SEA19	05/17/2020 00:33	Cargolux	CLX38F	B744	95.191
SEA19	05/19/2020 01:56	China Airlines Cargo	CAL5261	B744	96.837
SEA19	05/19/2020 02:03	EVA Air	EVA025	B77W	91.36
SEA19	05/20/2020 04:53	FedEx Express	FDX637	MD11	92.551
SEA19	05/21/2020 01:40	Cargolux	CLX38B	B744	94.012
SEA19	05/23/2020 01:53	China Airlines Cargo	CAL5261	B744	98.353
SEA19	05/24/2020 00:01	Cargolux	CLX38F	B744	98.002
SEA19	05/26/2020 01:24	China Airlines Cargo	CAL5261	B744	97.53
SEA19	05/26/2020 03:16	Cargolux	CLX46U	B748	91.2
SEA19	06/03/2020 01:41	China Airlines Cargo	CAL5235	B744	97.196
SEA19	06/06/2020 01:59	China Airlines Cargo	CAL5261	B744	98.272
SEA19	06/07/2020 01:57	EVA Air	EVA003	B77W	91.061
SEA19	06/08/2020 01:33	EVA Air	EVA003	B77W	91.05
SEA19	06/09/2020 03:33	China Airlines Cargo	CAL5261	B744	96.845
SEA19	06/11/2020 02:02	EVA Air	EVA025	B77W	91.255
SEA19	06/11/2020 02:22	Air Transport Intl'	ATN3224	B762	91.273
SEA19	06/11/2020 02:26	EVA Air	EVA003	B77W	91.389
SEA19	06/12/2020 01:40	EVA Air	EVA025	B77W	91.063
SEA19	06/13/2020 01:38	EVA Air	EVA025	B77W	91.626
SEA19	06/14/2020 02:35	EVA Air	EVA003	B77W	92.197
SEA19	06/15/2020 01:56	EVA Air	EVA003	B77W	91.47
SEA19	06/16/2020 02:06	China Airlines Cargo	CAL5261	B744	99.158
SEA19	06/16/2020 02:09	EVA Air	EVA025	B77W	92.272
SEA19	06/16/2020 02:30	EVA Air	EVA003	B77W	92.462
SEA19	06/16/2020 02:49	Air Transport Intl'	ATN3224	B762	91.082
SEA19	06/17/2020 02:03	EVA Air	EVA003	B77W	91.472
SEA19	06/17/2020 03:00	China Airlines Cargo	CAL5235	B744	98.381
SEA19	06/17/2020 03:49	Asiana Cargo	AAR241	B744	98.34
SEA19	06/17/2020 05:00	FedEx Express	FDX637	MD11	92.383

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 19

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA19	06/20/2020 01:38	Asiana Cargo	AAR2819	B744	96.172
SEA19	06/21/2020 04:45	FedEx Express	FDX492	A306	91.367
SEA19	06/24/2020 02:21	China Airlines Cargo	CAL5235	B744	96.126
SEA19	06/28/2020 02:03	EVA Air	EVA003	B77W	91.043
SEA19	06/28/2020 02:29	Air Transport Intl'	ATN3224	B762	91.092
SEA19	06/29/2020 01:15	Asiana Cargo	AAR2819	B744	96.728
SEA19	06/29/2020 03:06	China Airlines Cargo	CAL5235	B744	99.187
SEA19	06/30/2020 01:55	China Airlines Cargo	CAL5261	B744	98.704
SEA19	06/30/2020 02:06	China Airlines Cargo	CAL5171	B744	98.32
SEA19	06/30/2020 02:25	Cargolux	CLX46U	B748	94.82

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	Event SEL
SEA12	04/01/2020 00:20	Cargolux	CLX46U	B744	91.954
SEA12	04/02/2020 00:29	Cargolux	CLX37B	B744	89.812
SEA12	04/03/2020 03:56	FedEx Express	FDX1885	MD11	88.468
SEA12	04/11/2020 04:03	FedEx Express	FDX1885	MD11	88.347
SEA12	04/15/2020 03:44	FedEx Express	FDX1885	MD11	88.825
SEA12	04/19/2020 03:51	FedEx Express	FDX710	MD11	89.771
SEA12	04/21/2020 02:20	Air Transport Intl'	ATN3401	B763	89.368
SEA12	04/21/2020 03:50	FedEx Express	FDX1885	MD11	89.479
SEA12	04/23/2020 03:51	FedEx Express	FDX1885	MD11	91.536
SEA12	04/24/2020 04:04	FedEx Express	FDX1885	MD11	88.348
SEA12	04/25/2020 03:58	China Airlines Cargo	CAL5261	B744	88.45
SEA12	04/25/2020 04:12	FedEx Express	FDX1885	MD11	88.923
SEA12	04/25/2020 04:15	Korean Air Cargo	KAL233	B748	88.322
SEA12	04/26/2020 04:11	FedEx Express	FDX710	MD11	92.002
SEA12	04/26/2020 04:19	Kalitta Air	CKS344	B763	90.609
SEA12	04/30/2020 03:32	FedEx Express	FDX1885	MD11	88.392
SEA12	05/01/2020 03:41	FedEx Express	FDX630	MD11	88.013
SEA12	05/02/2020 03:56	FedEx Express	FDX1825	MD11	91.195
SEA12	05/02/2020 04:10	Korean Air Cargo	KAL233	B748	88.731
SEA12	05/03/2020 04:22	Kalitta Air	CKS344	B763	90.09
SEA12	05/03/2020 04:46	FedEx Express	FDX710	MD11	90.692
SEA12	05/05/2020 02:32	Air Transport Intl'	ATN3401	B763	90.726
SEA12	05/06/2020 01:55	Air Transport Intl'	ATN3401	B763	90.35
SEA12	05/06/2020 03:45	FedEx Express	FDX1885	MD11	89.48
SEA12	05/11/2020 02:33	Air Transport Intl'	ATN3401	B763	88.022
SEA12	05/13/2020 02:11	Air Transport Intl'	ATN3401	B763	88.144
SEA12	05/13/2020 03:39	FedEx Express	FDX1885	MD11	89.077
SEA12	05/13/2020 04:59	FedEx Express	FDX1604	DC10	89.441
SEA12	05/14/2020 03:40	FedEx Express	FDX1885	MD11	88.205

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	Event SEL
SEA12	05/15/2020 03:40	FedEx Express	FDX1885	MD11	90.077
SEA12	05/17/2020 03:37	FedEx Express	FDX710	MD11	90.358
SEA12	05/17/2020 04:09	Kalitta Air	CKS344	B763	88.81
SEA12	05/20/2020 01:28	Air Transport Intl'	ATN3401	B763	88.638
SEA12	05/20/2020 03:54	FedEx Express	FDX1885	MD11	89.676
SEA12	05/21/2020 03:41	FedEx Express	FDX1885	MD11	88.301
SEA12	05/21/2020 04:39	FedEx Express	FDX1717	B763	88.344
SEA12	05/22/2020 03:27	China Airlines Cargo	CAL5235	B744	89.153
SEA12	05/22/2020 04:10	FedEx Express	FDX1885	DC10	89.307
SEA12	05/22/2020 04:42	FedEx Express	FDX1717	MD11	88.031
SEA12	05/23/2020 03:48	Korean Air Cargo	KAL233	B748	88.34
SEA12	05/24/2020 04:29	Kalitta Air	CKS344	B763	89.198
SEA12	05/26/2020 00:19	Cargolux	CLX46U	B748	89.603
SEA12	05/26/2020 01:51	Air Transport Intl'	ATN3401	B763	88.433
SEA12	05/31/2020 03:03	FedEx Express	FDX710	MD11	90.349
SEA12	05/31/2020 04:41	Kalitta Air	CKS344	B763	89.675
SEA12	06/03/2020 03:58	FedEx Express	FDX1885	MD11	90.172
SEA12	06/06/2020 03:46	FedEx Express	FDX1885	MD11	89.188
SEA12	06/07/2020 00:25	EVA Air	EVA003	B77W	88.642
SEA12	06/07/2020 03:39	FedEx Express	FDX710	DC10	88.788
SEA12	06/08/2020 00:02	EVA Air	EVA003	B77W	88.473
SEA12	06/08/2020 01:58	Air Transport Intl'	ATN3401	B763	88.328
SEA12	06/08/2020 03:56	ABX Air	ABX904	B762	88.539
SEA12	06/10/2020 03:56	FedEx Express	FDX1885	MD11	89.336
SEA12	06/11/2020 03:14	Korean Air Cargo	KAL8210	B748	88.319
SEA12	06/11/2020 03:34	Cargolux	CLX38B	B748	90.035
SEA12	06/11/2020 03:40	FedEx Express	FDX1885	MD11	89.877
SEA12	06/12/2020 03:30	FedEx Express	FDX1885	MD11	88.566
SEA12	06/14/2020 02:46	FedEx Express	FDX710	MD11	90.128
SEA12	06/14/2020 04:32	Kalitta Air	CKS344	B763	93.469
SEA12	06/16/2020 03:01	Western Global Airlines	WGN7543	MD11	89.272
SEA12	06/16/2020 03:25	Atlas Air	GTI2468	B744	88.114
SEA12	06/16/2020 04:02	FedEx Express	FDX1885	MD11	88.612

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	Event SEL
SEA12	06/17/2020 00:13	Asiana Cargo	AAR242	B744	88.739
SEA12	06/17/2020 03:54	FedEx Express	FDX1885	MD11	88.534
SEA12	06/21/2020 02:20	Air Transport Intl'	ATN3401	B763	89.29
SEA12	06/21/2020 04:13	FedEx Express	FDX710	MD11	90.365
SEA12	06/24/2020 03:47	FedEx Express	FDX1885	MD11	89.157

Aircraft Arrivals Exceeding 82 dB SEL at Noise Monitor 13

No aircraft exceeded noise thresholds

Aircraft Arrivals Exceeding 89 dB SEL at Noise Monitor 18

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	Event SEL
SEA18	06/23/2020 03:29	Atlas Air	GTI2468	B744	91.051

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 19

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	SEL Noise Level
SEA19	04/06/2020 01:28	China Airlines Cargo	CAL5281	B744	90.235
SEA19	04/09/2020 04:02	FedEx Express	FDX1885	MD11	89.384
SEA19	04/12/2020 03:44	FedEx Express	FDX710	MD11	89.108
SEA19	04/18/2020 03:57	FedEx Express	FDX1885	MD11	88.229
SEA19	04/18/2020 04:14	Korean Air Cargo	KAL233	B748	88.946
SEA19	04/29/2020 03:30	FedEx Express	FDX1885	MD11	89.905
SEA19	04/29/2020 04:59	FedEx Express	FDX1717	DC10	89.572
SEA19	05/07/2020 01:30	Cargolux	CLX38B	B748	90.024
SEA19	05/08/2020 03:55	FedEx Express	FDX1885	MD11	88.407
SEA19	05/19/2020 03:45	FedEx Express	FDX1885	MD11	89.481
SEA19	05/23/2020 04:12	FedEx Express	FDX1885	MD11	89.032
SEA19	05/27/2020 04:13	FedEx Express	FDX1885	MD11	89.087
SEA19	05/28/2020 03:48	FedEx Express	FDX1885	MD11	88.154
SEA19	05/29/2020 03:35	FedEx Express	FDX1885	MD11	88.339
SEA19	05/30/2020 03:42	FedEx Express	FDX1885	MD11	89.665
SEA19	05/30/2020 04:56	Korean Air Cargo	KAL233	B748	88.012
SEA19	06/01/2020 02:48	Air Transport Intl'	ATN3401	B763	88.233
SEA19	06/02/2020 02:15	Air Transport Intl'	ATN3401	B763	88.598
SEA19	06/02/2020 04:10	FedEx Express	FDX1885	MD11	88.178
SEA19	06/02/2020 04:20	Korean Air Cargo	KAL233	B748	88.192
SEA19	06/05/2020 03:40	FedEx Express	FDX1885	MD11	91.41
SEA19	06/18/2020 03:27	Korean Air Cargo	KAL8210	B748	88.337
SEA19	06/18/2020 03:58	FedEx Express	FDX1885	MD11	89.937
SEA19	06/19/2020 03:48	FedEx Express	FDX1885	MD11	88.362
SEA19	06/22/2020 01:45	Asiana Cargo	AAR242	B744	88.966
SEA19	06/25/2020 01:58	Asiana Cargo	AAR242	B744	88.477
SEA19	06/25/2020 03:30	Korean Air Cargo	KAL8210	B748	89.073
SEA19	06/25/2020 03:49	FedEx Express	FDX1885	MD11	89.655
SEA19	06/26/2020 03:46	FedEx Express	FDX1885	MD11	88.008
SEA19	06/27/2020 03:48	FedEx Express	FDX1885	MD11	91.763

Total Airline Operations and Exceedances During Late Night Hours in 3rd Quarter 2020

PAX = passenger airline

CRG = cargo airline

Airline Code	Airline Name	Type*	Total Operations	Total Number of Exceedances	Percent of Operations
AAL	American Airlines	PAX	80	3	4%
AAR	Asiana Cargo	CRG	20	16	80%
ABX	ABX Air	CRG	14	0	0%
ASA	Alaska Airlines	PAX	295	0	0%
ATN	Air Transport Intl' (Prime Air)	CRG	423	28	7%
CAL	China Airlines Cargo	CRG	71	55	77%
CKS	Kalitta Air	CRG	13	6	46%
CLX	Cargolux	CRG	10	9	90%
DAL	Delta Air Lines	PAX	337	0	0%
EVA	EVA Air	PAX	117	41	35%
FDX	FedEx Express	CRG	87	61	70%
FFT	Frontier	PAX	20	0	0%
GTI	Atlas Air	CRG	8	2	25%
HAL	Hawaiian Airlines	PAX	21	0	0%
KAL	Korean Air Cargo	CRG	39	14	36%
NAC	Northern Air Cargo	CRG	2	0	0%
OAE	Omni Air	PAX	14	0	0%
QXE	Horizon Airlines	PAX	6	0	0%
SCX	Sun Country	PAX	1	0	0%
SKW	SkyWest Airlines	PAX	2	0	0%
SWA	Southwest Airlines	PAX	3	0	0%
UAL	United Airlines	PAX	2	0	0%
VOI	Volaris	PAX	1	0	0%
Totals			1586	235	15%

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	SEL Noise Level
SEA12	07/05/2020 00:33	Cargolux	CLX38F	B748	94.592
SEA12	07/05/2020 02:29	EVA Air	EVA003	B77W	91.671
SEA12	07/09/2020 02:59	EVA Air	EVA003	B77W	93.272
SEA12	07/11/2020 02:35	EVA Air	EVA1025	B77W	93.145
SEA12	07/11/2020 03:03	China Airlines Cargo	CAL5261	B744	98.569
SEA12	07/13/2020 04:23	Asiana Cargo	AAR2819	B744	98.378
SEA12	07/14/2020 03:30	EVA Air	EVA003	B77W	91.107
SEA12	07/14/2020 03:33	China Airlines Cargo	CAL5235	B744	98.47
SEA12	07/15/2020 02:34	China Airlines Cargo	CAL5235	B744	98.374
SEA12	07/16/2020 03:05	EVA Air	EVA003	B77W	91.996
SEA12	07/19/2020 02:03	EVA Air	EVA003	B77W	92.184
SEA12	07/19/2020 03:01	China Airlines Cargo	CAL5235	B744	98.541
SEA12	07/20/2020 03:51	China Airlines Cargo	CAL5285	B744	97.796
SEA12	07/25/2020 02:03	China Airlines Cargo	CAL5261	B744	98.214
SEA12	07/25/2020 02:12	EVA Air	EVA1025	B77W	91.59
SEA12	07/26/2020 04:38	China Airlines Cargo	CAL5235	B744	97.413
SEA12	07/27/2020 01:52	EVA Air	EVA003	B77W	91.39
SEA12	07/27/2020 04:32	China Airlines Cargo	CAL5285	B744	98.909
SEA12	07/28/2020 02:00	China Airlines Cargo	CAL5261	B744	96.658
SEA12	07/28/2020 02:23	China Airlines Cargo	CAL5235	B744	97.214
SEA12	07/28/2020 02:28	Air Transport Intl'	ATN3224	B762	91.521
SEA12	07/30/2020 00:12	Cargolux	CLX38B	B748	93.01
SEA12	07/30/2020 01:53	EVA Air	EVA003	B77W	91.029
SEA12	07/30/2020 04:01	China Airlines Cargo	CAL5381	B744	97.935
SEA12	07/31/2020 01:46	EVA Air	EVA003	B77W	91.127
SEA12	07/31/2020 01:59	EVA Air	EVA025	B77W	91.632
SEA12	08/04/2020 00:12	Asiana Cargo	AAR2915	B744	95.933
SEA12	08/04/2020 01:58	China Airlines Cargo	CAL5261	B744	94.304
SEA12	08/08/2020 01:33	China Airlines Cargo	CAL5381	B744	96.569
SEA12	08/08/2020 02:16	Air Transport Intl'	ATN3224	B762	91.431
SEA12	08/08/2020 02:18	EVA Air	EVA025	B77W	91.072

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	SEL Noise Level
SEA12	08/09/2020 00:02	Cargolux	CLX38F	B744	95.566
SEA12	08/09/2020 01:20	EVA Air	EVA003	B77W	91.15
SEA12	08/09/2020 01:54	Air Transport Intl'	ATN3224	B762	91.666
SEA12	08/10/2020 01:56	China Airlines Cargo	CAL5381	B744	95.618
SEA12	08/11/2020 01:41	China Airlines Cargo	CAL5261	B744	97.008
SEA12	08/15/2020 04:38	Asiana Cargo	AAR241	B744	94.734
SEA12	08/18/2020 03:02	EVA Air	EVA025	B77W	91.629
SEA12	08/24/2020 01:36	China Airlines Cargo	CAL5381	B744	94.55
SEA12	08/25/2020 01:46	China Airlines Cargo	CAL5261	B744	98.603
SEA12	08/25/2020 01:57	Asiana Cargo	AAR2915	B744	97.816
SEA12	08/27/2020 02:49	Cargolux	CLX38B	B744	96.745
SEA12	08/27/2020 03:44	China Airlines Cargo	CAL5381	B744	99.111
SEA12	08/29/2020 02:08	Air Transport Intl'	ATN3224	B762	91.765
SEA12	08/29/2020 02:31	EVA Air	EVA025	B77W	91.807
SEA12	09/01/2020 02:23	EVA Air	EVA025	B77W	91.666
SEA12	09/01/2020 04:04	Asiana Cargo	AAR2915	B744	93.454
SEA12	09/03/2020 01:30	EVA Air	EVA025	B77W	92.479
SEA12	09/07/2020 01:55	China Airlines Cargo	CAL5381	B744	98.538
SEA12	09/10/2020 00:41	American Airlines	AAL600	A321	91.327
SEA12	09/29/2020 01:46	EVA Air	EVA025	B77W	93.602
SEA12	09/30/2020 01:07	EVA Air	EVA003	B77W	92.049

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 19

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA19	07/01/2020 01:41	China Airlines Cargo	CAL5235	B744	98.44
SEA19	07/03/2020 02:31	EVA Air	EVA003	B77W	91.451
SEA19	07/03/2020 03:27	Asiana Cargo	AAR2493	B744	95.127
SEA19	07/03/2020 04:51	China Airlines Cargo	CAL5281	B744	99.051
SEA19	07/04/2020 01:49	China Airlines Cargo	CAL5261	B744	99.228
SEA19	07/04/2020 02:06	EVA Air	EVA025	B77W	91.572
SEA19	07/06/2020 02:28	Air Transport Intl'	ATN3224	B762	91.292
SEA19	07/06/2020 02:48	EVA Air	EVA003	B77W	92.585
SEA19	07/06/2020 03:42	China Airlines Cargo	CAL5381	B744	99.401
SEA19	07/06/2020 04:12	Asiana Cargo	AAR2819	B744	96.376
SEA19	07/07/2020 01:59	China Airlines Cargo	CAL5261	B744	98.806
SEA19	07/07/2020 04:57	China Airlines Cargo	CAL5235	B744	97.373
SEA19	07/08/2020 00:43	Asiana Cargo	AAR241	B744	98.916
SEA19	07/09/2020 00:09	Asiana Cargo	AAR241	B744	99.545
SEA19	07/09/2020 02:42	EVA Air	EVA025	B77W	91.334
SEA19	07/11/2020 02:29	EVA Air	EVA025	B77W	91.893
SEA19	07/12/2020 02:06	EVA Air	EVA003	B77W	91.069
SEA19	07/18/2020 00:18	American Airlines	AAL610	A321	91.727
SEA19	07/18/2020 02:26	EVA Air	EVA025	B77W	92.57
SEA19	07/18/2020 02:38	EVA Air	EVA1025	B77W	92.186
SEA19	07/18/2020 03:49	Air Transport Intl'	ATN3224	B762	91.831
SEA19	07/21/2020 02:00	China Airlines Cargo	CAL5261	B744	98.687
SEA19	07/21/2020 02:06	EVA Air	EVA025	B77W	91.135
SEA19	07/21/2020 02:36	EVA Air	EVA003	B77W	91.599
SEA19	07/21/2020 02:42	Air Transport Intl'	ATN3224	B763	92.611
SEA19	07/21/2020 03:25	China Airlines Cargo	CAL5235	B744	98.511
SEA19	07/22/2020 03:42	China Airlines Cargo	CAL5235	B744	97.65
SEA19	07/23/2020 04:24	China Airlines Cargo	CAL5381	B744	98.644
SEA19	07/24/2020 02:10	EVA Air	EVA025	B77W	91.033
SEA19	07/24/2020 02:20	EVA Air	EVA003	B77W	91.214
SEA19	07/24/2020 02:30	Air Transport Intl'	ATN3224	B762	91.403
SEA19	07/29/2020 01:47	EVA Air	EVA003	B77W	93.12
SEA19	07/29/2020 04:48	FedEx Express	FDX637	DC10	92.971

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 19

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA19	08/01/2020 02:35	China Airlines Cargo	CAL5381	B744	96.559
SEA19	08/01/2020 02:37	EVA Air	EVA025	B77W	91.246
SEA19	08/03/2020 01:11	EVA Air	EVA1025	B77W	91.377
SEA19	08/03/2020 01:49	China Airlines Cargo	CAL5381	B744	92.402
SEA19	08/12/2020 04:14	Atlas Air	GTI2418	B744	95.374
SEA19	08/13/2020 01:27	Cargolux	CLX38B	B748	94.633
SEA19	08/13/2020 01:57	China Airlines Cargo	CAL5381	B744	99.01
SEA19	08/17/2020 02:32	China Airlines Cargo	CAL5381	B744	93.827
SEA19	08/18/2020 02:09	China Airlines Cargo	CAL5261	B744	96.357
SEA19	08/20/2020 01:58	China Airlines Cargo	CAL5381	B744	95.933
SEA19	08/22/2020 02:17	China Airlines Cargo	CAL5381	B744	98.144
SEA19	08/22/2020 02:46	EVA Air	EVA025	B77W	91.631
SEA19	08/31/2020 01:41	China Airlines Cargo	CAL5381	B744	94.067
SEA19	09/12/2020 03:21	China Airlines Cargo	CAL5381	B744	99.035
SEA19	09/14/2020 00:29	China Airlines Cargo	CAL5381	B744	94.855
SEA19	09/15/2020 00:32	American Airlines	AAL600	A321	91.06
SEA19	09/15/2020 01:45	EVA Air	EVA025	B77W	92.07
SEA19	09/17/2020 00:22	China Airlines Cargo	CAL5381	B744	96.197
SEA19	09/17/2020 03:27	Cargolux	CLX38B	B748	95.86
SEA19	09/18/2020 01:06	EVA Air	EVA025	B77W	91.115
SEA19	09/19/2020 04:05	China Airlines Cargo	CAL5381	B744	98.242
SEA19	09/21/2020 02:21	China Airlines Cargo	CAL5381	B744	96.379
SEA19	09/22/2020 01:42	EVA Air	EVA025	B77W	92.029
SEA19	09/22/2020 01:59	China Airlines Cargo	CAL5261	B744	98.763
SEA19	09/23/2020 00:46	EVA Air	EVA003	B77W	91.202
SEA19	09/24/2020 02:24	China Airlines Cargo	CAL5381	B744	96.022
SEA19	09/26/2020 01:50	EVA Air	EVA025	B77W	91.905
SEA19	09/27/2020 01:23	EVA Air	EVA025	B77W	92.732
SEA19	09/27/2020 02:14	Cargolux	CLX38F	B744	97.867
SEA19	09/27/2020 02:48	China Airlines Cargo	CAL5243	B744	93.124

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	SEL Noise Level
SEA12	07/01/2020 04:01	FedEx Express	FDX1885	MD11	89.818
SEA12	07/01/2020 04:50	FedEx Express	FDX1717	MD11	88.79
SEA12	07/01/2020 04:53	Atlas Air	GTI525	B744	88.258
SEA12	07/02/2020 03:24	Korean Air Cargo	KAL8210	B748	90.449
SEA12	07/02/2020 03:59	FedEx Express	FDX1885	MD11	91.744
SEA12	07/03/2020 03:42	FedEx Express	FDX1885	MD11	88.378
SEA12	07/06/2020 03:21	Korean Air Cargo	KAL8210	B748	88.932
SEA12	07/06/2020 04:29	Asiana Cargo	AAR242	B744	88.865
SEA12	07/07/2020 02:13	Air Transport Intl'	ATN3401	B763	88.464
SEA12	07/07/2020 04:14	FedEx Express	FDX1885	MD11	89.052
SEA12	07/07/2020 04:25	Korean Air Cargo	KAL233	B748	88.511
SEA12	07/09/2020 03:26	Korean Air Cargo	KAL8210	B748	88.122
SEA12	07/17/2020 03:51	FedEx Express	FDX1885	MD11	90.672
SEA12	07/22/2020 03:49	FedEx Express	FDX1885	MD11	91.277
SEA12	07/22/2020 04:33	Asiana Cargo	AAR2368	B744	88.667
SEA12	07/23/2020 02:01	Air Transport Intl'	ATN3401	B763	88.43
SEA12	07/23/2020 03:46	FedEx Express	FDX1885	MD11	92.21
SEA12	07/24/2020 03:47	FedEx Express	FDX1885	MD11	88.874
SEA12	07/28/2020 04:00	FedEx Express	FDX1885	MD11	89.359
SEA12	08/01/2020 04:11	FedEx Express	FDX1885	DC10	88.153
SEA12	08/02/2020 04:37	Kalitta Air	CKS344	B763	88.733
SEA12	08/03/2020 04:51	Kalitta Air	CKS1917	B763	89.029
SEA12	08/06/2020 03:51	FedEx Express	FDX1885	MD11	91.062
SEA12	08/07/2020 03:45	FedEx Express	FDX1885	MD11	88.239
SEA12	08/07/2020 04:16	China Airlines Cargo	CAL5235	B744	90.189
SEA12	08/12/2020 03:48	FedEx Express	FDX1885	MD11	88.047
SEA12	08/18/2020 04:16	FedEx Express	FDX1885	MD11	88.443
SEA12	08/20/2020 03:55	FedEx Express	FDX1885	MD11	88.756
SEA12	08/21/2020 04:08	Korean Air Cargo	KAL233	B77L	88.071
SEA12	08/21/2020 04:42	FedEx Express	FDX1885	MD11	90.43
SEA12	08/22/2020 01:42	Asiana Cargo	AAR242	B744	93.674
SEA12	08/22/2020 03:51	FedEx Express	FDX1885	MD11	91.256

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	SEL Noise Level
SEA12	08/30/2020 03:32	FedEx Express	FDX710	MD11	88.517
SEA12	08/31/2020 02:15	Air Transport Intl'	ATN3401	B763	88.362
SEA12	09/05/2020 02:26	Air Transport Intl'	ATN3401	B763	88.376
SEA12	09/05/2020 03:55	FedEx Express	FDX1885	MD11	88.727
SEA12	09/05/2020 04:21	Asiana Cargo	AAR242	B744	89.551
SEA12	09/11/2020 03:50	FedEx Express	FDX1885	MD11	89.528
SEA12	09/12/2020 04:16	Korean Air Cargo	KAL233	B748	88.004
SEA12	09/13/2020 03:41	FedEx Express	FDX710	MD11	88.604
SEA12	09/14/2020 02:07	Air Transport Intl'	ATN3401	B763	88.612
SEA12	09/15/2020 04:22	FedEx Express	FDX1885	MD11	89.257
SEA12	09/17/2020 01:05	Cargolux	CLX38B	B748	88.503
SEA12	09/19/2020 04:11	FedEx Express	FDX1885	MD11	91.613
SEA12	09/19/2020 04:14	Korean Air Cargo	KAL233	B744	90.812
SEA12	09/20/2020 03:52	FedEx Express	FDX710	MD11	92.202
SEA12	09/22/2020 04:19	FedEx Express	FDX1885	MD11	89.51
SEA12	09/23/2020 04:00	FedEx Express	FDX1885	MD11	89.998
SEA12	09/24/2020 00:21	China Airlines Cargo	CAL5381	B744	88.654
SEA12	09/24/2020 01:37	Air Transport Intl'	ATN3464	B763	88.261
SEA12	09/24/2020 02:15	Air Transport Intl'	ATN3401	B763	88.639
SEA12	09/24/2020 03:57	FedEx Express	FDX1885	MD11	92.405
SEA12	09/25/2020 01:37	Air Transport Intl'	ATN3464	B763	89.032
SEA12	09/25/2020 02:35	Air Transport Intl'	ATN3401	B763	92.969
SEA12	09/25/2020 03:59	FedEx Express	FDX1885	MD11	93.507
SEA12	09/26/2020 01:37	Air Transport Intl'	ATN3464	B763	88.093
SEA12	09/26/2020 04:05	FedEx Express	FDX1885	MD11	92.532
SEA12	09/27/2020 04:02	FedEx Express	FDX710	MD11	88.653

Aircraft Arrivals Exceeding 82 dB SEL at Noise Monitor 13

No aircraft exceeded noise thresholds

Aircraft Arrivals Exceeding 89 dB SEL at Noise Monitor 18

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	SEL Noise Level
SEA18	08/04/2020 02:11	Air Transport Intl'	ATN3401	B763	89.309
SEA18	08/04/2020 03:55	FedEx Express	FDX1885	MD11	91.154
SEA18	08/25/2020 01:17	Air Transport Intl'	ATN3464	B763	89.79
SEA18	08/25/2020 02:10	Air Transport Intl'	ATN3401	B763	90.672
SEA18	08/25/2020 03:29	FedEx Express	FDX1885	MD11	92.525

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 19

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	SEL Noise Level
SEA19	07/05/2020 04:22	Kalitta Air	CKS344	B763	88.029
SEA19	07/08/2020 04:03	FedEx Express	FDX1885	MD11	89.81
SEA19	07/09/2020 03:43	FedEx Express	FDX1885	MD11	88.277
SEA19	07/10/2020 03:38	FedEx Express	FDX1885	MD11	88.173
SEA19	07/11/2020 03:56	FedEx Express	FDX1885	MD11	88.133
SEA19	07/16/2020 02:32	China Airlines Cargo	CAL5381	B744	89.872
SEA19	07/19/2020 00:11	China Airlines Cargo	CAL5235	B744	89.845
SEA19	07/19/2020 03:37	FedEx Express	FDX710	MD11	91.625
SEA19	07/20/2020 01:31	Asiana Cargo	AAR2829	B744	89.141
SEA19	07/20/2020 02:34	Air Transport Intl'	ATN3401	B763	88.331
SEA19	07/20/2020 03:40	Korean Air Cargo	KAL8210	B748	89.139
SEA19	07/20/2020 04:32	China Airlines Cargo	CAL5381	B744	91.386
SEA19	07/25/2020 02:24	Air Transport Intl'	ATN3401	B763	88.059
SEA19	07/25/2020 04:29	FedEx Express	FDX1885	MD11	88.008
SEA19	07/25/2020 04:39	Korean Air Cargo	KAL233	B748	89.084
SEA19	07/26/2020 01:34	China Airlines Cargo	CAL5235	B744	88.905
SEA19	07/26/2020 03:03	FedEx Express	FDX710	MD11	88.501
SEA19	07/27/2020 03:18	Korean Air Cargo	KAL8210	B748	89.393
SEA19	07/30/2020 03:22	Korean Air Cargo	KAL8210	B748	89.161
SEA19	08/05/2020 04:19	FedEx Express	FDX1885	MD11	90.261
SEA19	08/08/2020 04:18	FedEx Express	FDX1885	MD11	88.08
SEA19	08/09/2020 03:39	FedEx Express	FDX710	MD11	88.97
SEA19	08/10/2020 04:56	Kalitta Air	CKS1917	B763	88.766
SEA19	08/11/2020 01:33	Air Transport Intl'	ATN3464	B763	88.619
SEA19	08/11/2020 03:44	FedEx Express	FDX1885	MD11	90.115
SEA19	08/13/2020 03:41	FedEx Express	FDX1885	MD11	89.351
SEA19	08/14/2020 03:40	FedEx Express	FDX1885	MD11	89.924
SEA19	08/15/2020 02:13	Asiana Cargo	AAR242	B744	89.902
SEA19	08/15/2020 03:21	China Airlines Cargo	CAL5381	B744	90.321
SEA19	08/15/2020 03:53	FedEx Express	FDX1885	MD11	88.028
SEA19	08/15/2020 04:24	Korean Air Cargo	KAL233	B748	88.355
SEA19	08/16/2020 04:56	Kalitta Air	CKS344	B763	88.314

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 19

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	SEL Noise Level
SEA19	08/19/2020 03:13	China Airlines Cargo	CAL5241	B744	88.587
SEA19	08/19/2020 04:44	FedEx Express	FDX1885	MD11	88.281
SEA19	08/23/2020 02:12	Air Transport Intl'	ATN3401	B763	89.798
SEA19	08/23/2020 03:30	FedEx Express	FDX710	MD11	89.385
SEA19	08/23/2020 04:58	Kalitta Air	CKS344	B763	89.628
SEA19	08/27/2020 00:07	Cargolux	CLX38B	B744	89.456
SEA19	08/27/2020 03:45	FedEx Express	FDX1885	MD11	89.849
SEA19	08/28/2020 03:49	FedEx Express	FDX1885	MD11	90.145
SEA19	08/29/2020 02:27	Air Transport Intl'	ATN3401	B763	88.181
SEA19	08/29/2020 03:49	FedEx Express	FDX1885	MD11	89.564
SEA19	08/29/2020 04:05	Korean Air Cargo	KAL233	B748	90.471
SEA19	09/01/2020 01:27	Asiana Cargo	AAR2925	B744	90.755
SEA19	09/01/2020 02:23	China Airlines Cargo	CAL5261	B744	90.335
SEA19	09/01/2020 03:53	FedEx Express	FDX1885	MD11	90.18
SEA19	09/01/2020 04:54	Korean Air Cargo	KAL233	B748	90.625
SEA19	09/02/2020 03:51	FedEx Express	FDX1885	MD11	88.44
SEA19	09/03/2020 02:53	China Airlines Cargo	CAL5381	B744	90.351
SEA19	09/03/2020 03:51	FedEx Express	FDX1885	MD11	88.762
SEA19	09/04/2020 03:43	FedEx Express	FDX1885	MD11	89.586
SEA19	09/06/2020 03:30	FedEx Express	FDX710	MD11	88.401
SEA19	09/07/2020 02:16	Air Transport Intl'	ATN3401	B763	91.451
SEA19	09/18/2020 03:41	FedEx Express	FDX1885	MD11	90.048
SEA19	09/29/2020 02:08	Air Transport Intl'	ATN3401	B763	88.207
SEA19	09/29/2020 03:56	FedEx Express	FDX1885	MD11	89.401
SEA19	09/30/2020 04:18	FedEx Express	FDX1885	MD11	88.316

Total Airline Operations and Exceedances During Late Night Hours in 4th Quarter 2020

PAX = passenger airline

CRG = cargo airline

Airline Code	Airline Name	Type*	Total Operations	Total Number of Exceedances	Percent of Operations
AAL	American Airlines	PAX	143	2	1%
AAR	Asiana Cargo	CRG	5	5	100%
ABX	ABX Air	CRG	12	0	0%
ASA	Alaska Airlines	PAX	359	1	Less than 1%
ATN	Air Transport Intl' (Prime Air)	CRG	445	60	13%
BOX	Aerologic	CRG	2	0	0%
CAL	China Airlines Cargo	CRG	86	44	51%
CKK	China Cargo Airlines	CRG	38	16	42%
CKS	Kalitta Air	CRG	9	7	78%
CLX	Cargolux	CRG	14	10	71%
DAL	Delta Air Lines	PAX	312	1	Less than 1%
EVA	EVA Air	PAX	88	27	31%
FDX	FedEx Express	CRG	99	70	71%
FFT	Frontier	PAX	8	0	0%
GTI	Atlas Air	CRG	2	0	0%
HAL	Hawaiian Airlines	PAX	3	0	0%
JBU	JetBlue	PAX	8	0	0%
KAL	Korean Air Cargo	CRG	30	12	40%
MGE	Asia Pacific Airlines	CRG	2	0	0%
NCR	Northern Air Cargo	CRG	2	2	100%
OAE	Omni Air	PAX	11	1	9%
QXE	Horizon Airlines	PAX	36	0	0%
SCX	Sun Country	PAX	8	0	0%
SKW	SkyWest Airlines	PAX	18	0	0%
SWA	Southwest Airlines	PAX	2	0	0%
UAL	United Airlines	PAX	21	0	0%
Totals			1763	258	15%

Airlines With No Operations During Late Night Hours:

Lufthansa, Virgin Atlantic, Hainan Airlines, Japan Airlines, All Nippon Airlines, Emirates Airlines, Air Canada
Jazz Aviation, Iceland Air, Air France, Norwegian Airlines, Singapore Airlines, Aeromexico, Cathay Pacific
British Airways, Aer Lingus, Volaris, Spirit Airlines

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	Event SEL
SEA12	10/02/2020 01:02	EVA Air	EVA025	B77W	91.106
SEA12	10/03/2020 01:35	EVA Air	EVA025	B77W	91.84
SEA12	10/06/2020 01:32	EVA Air	EVA025	B77W	92.59
SEA12	10/06/2020 02:35	China Airlines Cargo	CAL5235	B744	96.932
SEA12	10/06/2020 02:51	Air Transport Intl'	ATN3224	B762	91.351
SEA12	10/24/2020 00:13	American Airlines	AAL600	B738	91.178
SEA12	10/24/2020 01:38	EVA Air	EVA025	B77W	91.454
SEA12	10/26/2020 01:36	China Airlines Cargo	CAL5381	B744	97.598
SEA12	10/27/2020 01:22	EVA Air	EVA025	B77W	91.199
SEA12	10/27/2020 04:47	China Airlines Cargo	CAL5235	B744	95.856
SEA12	10/29/2020 01:36	EVA Air	EVA025	B77W	93.056
SEA12	10/31/2020 01:39	EVA Air	EVA025	B77W	91.107
SEA12	11/01/2020 02:59	Air Transport Intl'	ATN3224	B762	91.791
SEA12	11/08/2020 01:14	China Airlines Cargo	CAL5381	B744	95.593
SEA12	11/08/2020 02:16	Cargolux	CLX38F	B744	95.107
SEA12	11/22/2020 00:08	Cargolux	CLX38F	B744	96.429
SEA12	11/22/2020 00:24	EVA Air	EVA025	B77W	91.142
SEA12	12/28/2020 04:40	China Airlines Cargo	CAL5381	B744	98.598

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 19

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA19	10/01/2020 00:12	Cargolux	CLX38B	B748	93.836
SEA19	10/01/2020 01:48	EVA Air	EVA025	B77W	93.134
SEA19	10/01/2020 04:28	China Airlines Cargo	CAL5381	B744	98.858
SEA19	10/03/2020 01:30	China Airlines Cargo	CAL5381	B744	99.617
SEA19	10/04/2020 00:09	Cargolux	CLX38F	B744	95.297
SEA19	10/05/2020 02:33	China Airlines Cargo	CAL5381	B744	98.757
SEA19	10/07/2020 01:49	China Airlines Cargo	CAL5241	B744	95.359
SEA19	10/07/2020 02:13	Air Transport Intl'	ATN3224	B762	92.272
SEA19	10/08/2020 02:06	China Airlines Cargo	CAL5381	B744	97.484
SEA19	10/09/2020 01:07	EVA Air	EVA025	B77W	91.992
SEA19	10/10/2020 01:48	EVA Air	EVA025	B77W	91.717
SEA19	10/11/2020 01:10	Cargolux	CLX38F	B744	96.249
SEA19	10/12/2020 01:26	Asiana Cargo	AAR241	B744	96.648
SEA19	10/12/2020 03:15	China Airlines Cargo	CAL5381	B744	93.068
SEA19	10/13/2020 04:29	China Airlines Cargo	CAL5235	B744	93.523
SEA19	10/14/2020 00:38	Northern Air Cargo	NCR812	B744	92.775
SEA19	10/14/2020 01:24	Northern Air Cargo	NCR814	B744	92.602
SEA19	10/14/2020 03:15	China Airlines Cargo	CAL5241	B744	98.409
SEA19	10/15/2020 01:37	China Airlines Cargo	CAL5381	B744	98.33
SEA19	10/15/2020 01:48	EVA Air	EVA025	B77W	91.743
SEA19	10/15/2020 04:29	FedEx Express	FDX492	A306	91.804
SEA19	10/17/2020 01:33	EVA Air	EVA025	B77W	91.199
SEA19	10/20/2020 02:02	Air Transport Intl'	ATN3224	B762	91.005
SEA19	10/20/2020 02:55	China Airlines Cargo	CAL5235	B744	94.688
SEA19	10/21/2020 00:36	Cargolux	CLX46U	B744	94.082
SEA19	10/22/2020 01:43	EVA Air	EVA025	B77W	91.289
SEA19	10/22/2020 02:39	China Airlines Cargo	CAL5381	B744	99.415
SEA19	11/02/2020 03:21	Omni Air Intl'	OAE2710	B763	91.508
SEA19	11/03/2020 00:41	EVA Air	EVA025	B77W	92.233
SEA19	11/05/2020 04:30	China Airlines Cargo	CAL5381	B744	98.262
SEA19	11/11/2020 00:34	EVA Air	EVA1025	B77W	91.112

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 19

Noise Monitor	Date/Time	Airline	Flight Number	Aircraft Type	SEL Noise Level
SEA19	11/12/2020 01:38	China Airlines Cargo	CAL5381	B744	97.34
SEA19	11/15/2020 00:19	Cargolux	CLX38F	B744	94.36
SEA19	11/18/2020 00:21	China Airlines Cargo	CAL5235	B744	97.179
SEA19	11/21/2020 00:39	EVA Air	EVA025	B77W	91.882
SEA19	11/24/2020 00:49	EVA Air	EVA025	B77W	91.477
SEA19	11/25/2020 04:48	FedEx Express	FDX637	MD11	91.509
SEA19	11/27/2020 04:51	Korean Air Cargo	KAL234	B748	92.321
SEA19	12/01/2020 00:36	EVA Air	EVA025	B77W	91.75
SEA19	12/03/2020 01:01	Asiana Cargo	AAR241	B744	94.86
SEA19	12/06/2020 04:07	China Airlines Cargo	CAL5381	B744	96.51
SEA19	12/08/2020 01:22	China Airlines Cargo	CAL5171	B744	97.577
SEA19	12/08/2020 04:08	China Airlines Cargo	CAL5235	B744	97.497
SEA19	12/09/2020 00:53	EVA Air	EVA1025	B77W	93.125
SEA19	12/09/2020 03:26	China Airlines Cargo	CAL5235	B744	93.984
SEA19	12/10/2020 00:43	EVA Air	EVA025	B77W	92.693
SEA19	12/12/2020 00:44	EVA Air	EVA025	B77W	91.903
SEA19	12/15/2020 00:51	China Airlines Cargo	CAL5171	B744	97.492
SEA19	12/16/2020 00:23	Asiana Cargo	AAR243	B744	98.087
SEA19	12/16/2020 02:03	Air Transport Intl'	ATN3224	B762	91.1
SEA19	12/19/2020 00:44	EVA Air	EVA025	B77W	91.434
SEA19	12/22/2020 00:43	American Airlines	AAL1886	A321	91.087
SEA19	12/22/2020 02:05	EVA Air	EVA025	B77W	93.985
SEA19	12/26/2020 00:29	EVA Air	EVA025	B77W	91.141
SEA19	12/29/2020 00:55	EVA Air	EVA025	B77W	91.163
SEA19	12/30/2020 01:27	EVA Air	EVA1025	B77W	91.574
SEA19	12/30/2020 01:54	Delta Air Lines	DAL289	A333	91.027
SEA19	12/31/2020 03:05	Asiana Cargo	AAR241	B744	95.477

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	Event SEL
SEA12	10/01/2020 03:53	FedEx Express	FDX1885	MD11	91.597
SEA12	10/02/2020 03:48	FedEx Express	FDX1885	MD11	91.3
SEA12	10/03/2020 03:59	FedEx Express	FDX1885	MD11	90.081
SEA12	10/04/2020 03:16	Air Transport Intl'	ATN3464	B763	88.501
SEA12	10/04/2020 03:25	FedEx Express	FDX710	MD11	90.561
SEA12	10/10/2020 02:08	Air Transport Intl'	ATN3401	B763	88.856
SEA12	10/10/2020 02:19	Air Transport Intl'	ATN3464	B763	90.898
SEA12	10/10/2020 03:51	FedEx Express	FDX1885	MD11	90.992
SEA12	10/10/2020 04:41	Korean Air Cargo	KAL233	B748	88.456
SEA12	10/10/2020 04:49	China Airlines Cargo	CAL5381	B744	89.743
SEA12	10/11/2020 02:09	Air Transport Intl'	ATN3401	B763	89.07
SEA12	10/11/2020 02:11	Air Transport Intl'	ATN3464	B763	88.152
SEA12	10/11/2020 04:07	FedEx Express	FDX710	MD11	88.906
SEA12	10/11/2020 04:30	Kalitta Air	CKS344	B763	90.488
SEA12	10/12/2020 00:48	China Airlines Cargo	CAL5381	B744	92.505
SEA12	10/12/2020 01:42	Air Transport Intl'	ATN3464	B763	93.06
SEA12	10/12/2020 02:31	Air Transport Intl'	ATN3401	B763	92.611
SEA12	10/13/2020 02:40	Air Transport Intl'	ATN3401	B763	89.229
SEA12	10/13/2020 04:02	FedEx Express	FDX1885	MD11	89.921
SEA12	10/14/2020 02:51	Air Transport Intl'	ATN3401	B763	90.862
SEA12	10/14/2020 03:54	FedEx Express	FDX1885	MD11	92.771
SEA12	10/15/2020 04:01	FedEx Express	FDX1885	MD11	88.391
SEA12	10/16/2020 03:50	FedEx Express	FDX1885	MD11	89.137
SEA12	10/16/2020 04:22	China Cargo Airlines	CKK229	B77L	88.799
SEA12	10/17/2020 01:45	Air Transport Intl'	ATN3464	B763	88.371
SEA12	10/17/2020 02:52	Air Transport Intl'	ATN3401	B763	90.791
SEA12	10/17/2020 04:11	FedEx Express	FDX1885	MD11	88.564
SEA12	10/18/2020 01:56	Air Transport Intl'	ATN3464	B763	89.181
SEA12	10/18/2020 04:15	FedEx Express	FDX710	MD11	89.612
SEA12	10/19/2020 01:31	Air Transport Intl'	ATN3464	B763	88.416
SEA12	10/19/2020 02:27	Air Transport Intl'	ATN3401	B763	88.965

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	Event SEL
SEA12	10/20/2020 04:10	FedEx Express	FDX1885	MD11	88.389
SEA12	10/21/2020 04:01	FedEx Express	FDX1885	MD11	89.549
SEA12	10/21/2020 04:11	China Airlines Cargo	CAL5285	B744	89.335
SEA12	10/22/2020 04:02	FedEx Express	FDX1885	MD11	88.547
SEA12	10/23/2020 03:59	FedEx Express	FDX1885	MD11	90.912
SEA12	10/28/2020 04:01	FedEx Express	FDX1885	MD11	90.614
SEA12	10/28/2020 04:28	China Airlines Cargo	CAL5241	B744	88.052
SEA12	10/29/2020 03:57	FedEx Express	FDX1885	MD11	88.526
SEA12	10/30/2020 02:51	Air Transport Intl'	ATN3401	B763	88.115
SEA12	10/30/2020 03:53	FedEx Express	FDX1885	MD11	91.16
SEA12	10/30/2020 04:24	Korean Air Cargo	KAL233	B748	89.738
SEA12	11/02/2020 03:47	China Airlines Cargo	CAL5381	B744	88.254
SEA12	11/03/2020 02:00	Air Transport Intl'	ATN3401	B763	88.067
SEA12	11/03/2020 02:27	Korean Air Cargo	KAL233	B748	91.285
SEA12	11/03/2020 04:03	FedEx Express	FDX1885	MD11	90.251
SEA12	11/04/2020 03:11	Air Transport Intl'	ATN3401	B763	93.244
SEA12	11/04/2020 04:07	FedEx Express	FDX1885	MD11	91.182
SEA12	11/05/2020 01:36	China Airlines Cargo	CAL5381	B744	91.669
SEA12	11/05/2020 02:35	Air Transport Intl'	ATN3401	B763	89.841
SEA12	11/05/2020 03:50	FedEx Express	FDX1885	MD11	90.499
SEA12	11/10/2020 01:57	China Airlines Cargo	CAL5381	B744	89.647
SEA12	11/10/2020 02:17	Air Transport Intl'	ATN3401	B763	92.964
SEA12	11/10/2020 04:15	FedEx Express	FDX1885	MD11	88.456
SEA12	11/11/2020 04:14	FedEx Express	FDX1885	MD11	90.412
SEA12	11/12/2020 04:02	FedEx Express	FDX1885	MD11	90.955
SEA12	11/13/2020 02:15	Air Transport Intl'	ATN3464	B763	88.609
SEA12	11/13/2020 02:23	Air Transport Intl'	ATN3401	B763	91.939
SEA12	11/13/2020 03:06	Korean Air Cargo	KAL233	B748	89.349
SEA12	11/13/2020 04:00	FedEx Express	FDX1885	MD11	94.214
SEA12	11/13/2020 04:17	Alaska Airlines	ASA110	B739	88.055
SEA12	11/14/2020 02:26	Air Transport Intl'	ATN3464	B763	90.342

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	Event SEL
SEA12	11/14/2020 02:27	Air Transport Intl'	ATN3401	B763	91.408
SEA12	11/14/2020 04:18	FedEx Express	FDX1885	MD11	93.173
SEA12	11/15/2020 00:46	FedEx Express	FDX980	MD11	90.565
SEA12	11/15/2020 02:02	Air Transport Intl'	ATN3464	B763	91.27
SEA12	11/15/2020 02:45	Air Transport Intl'	ATN3401	B763	88.934
SEA12	11/17/2020 04:08	FedEx Express	FDX1885	MD11	89.679
SEA12	11/18/2020 02:35	Air Transport Intl'	ATN3401	B763	88.616
SEA12	11/18/2020 04:19	FedEx Express	FDX1885	MD11	90.131
SEA12	11/19/2020 02:22	Air Transport Intl'	ATN3401	B763	90.331
SEA12	11/19/2020 04:00	FedEx Express	FDX1885	MD11	90.23
SEA12	11/20/2020 02:34	Air Transport Intl'	ATN3401	B763	89.031
SEA12	11/20/2020 04:05	FedEx Express	FDX1885	MD11	90.782
SEA12	11/21/2020 02:38	Air Transport Intl'	ATN3401	B763	88.384
SEA12	11/21/2020 04:47	FedEx Express	FDX1885	DC10	90.33
SEA12	11/22/2020 02:18	Air Transport Intl'	ATN3401	B763	90.402
SEA12	11/22/2020 03:13	Kalitta Air	CKS344	B763	89.26
SEA12	11/22/2020 03:51	FedEx Express	FDX710	MD11	90.002
SEA12	11/23/2020 02:24	Air Transport Intl'	ATN3401	B763	90.29
SEA12	11/24/2020 02:33	Korean Air Cargo	KAL233	B748	88.937
SEA12	11/24/2020 02:40	Air Transport Intl'	ATN3401	B763	88.081
SEA12	11/24/2020 04:52	FedEx Express	FDX1885	MD11	92.472
SEA12	11/25/2020 04:24	FedEx Express	FDX1885	MD11	94.821
SEA12	11/26/2020 02:25	Air Transport Intl'	ATN3401	B763	88.193
SEA12	11/27/2020 03:56	FedEx Express	FDX1885	MD11	91.634
SEA12	11/27/2020 04:43	FedEx Express	FDX1717	MD11	90.067
SEA12	11/28/2020 04:05	FedEx Express	FDX1885	MD11	91.78
SEA12	11/29/2020 03:14	Kalitta Air	CKS344	B763	88.92
SEA12	11/29/2020 03:39	FedEx Express	FDX710	MD11	88.059
SEA12	11/29/2020 04:31	China Airlines Cargo	CAL5381	B744	90.481
SEA12	11/30/2020 02:08	Air Transport Intl'	ATN3401	B763	88.62
SEA12	12/03/2020 04:20	FedEx Express	FDX1885	MD11	88.257

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	Event SEL
SEA12	12/05/2020 02:13	Air Transport Intl'	ATN3464	B763	88.319
SEA12	12/05/2020 04:13	FedEx Express	FDX1885	MD11	88.85
SEA12	12/06/2020 00:16	China Airlines Cargo	CAL5381	B744	88.702
SEA12	12/06/2020 03:17	FedEx Express	FDX710	MD11	91.475
SEA12	12/06/2020 04:15	Cargolux	CLX38F	B744	92.534
SEA12	12/06/2020 04:22	Kalitta Air	CKS344	B763	90.861
SEA12	12/07/2020 04:28	China Airlines Cargo	CAL5381	B744	90.329
SEA12	12/08/2020 04:24	FedEx Express	FDX1885	MD11	94.054
SEA12	12/09/2020 00:38	China Airlines Cargo	CAL5235	B744	88.499
SEA12	12/09/2020 03:29	China Cargo Airlines	CKK229	B77L	88.521
SEA12	12/09/2020 04:20	FedEx Express	FDX1885	MD11	93.182
SEA12	12/10/2020 03:47	China Cargo Airlines	CKK229	B77L	88.596
SEA12	12/10/2020 04:36	FedEx Express	FDX1885	MD11	89.741
SEA12	12/10/2020 04:47	China Airlines Cargo	CAL5381	B744	89.982
SEA12	12/11/2020 02:23	Air Transport Intl'	ATN3401	B763	88.234
SEA12	12/11/2020 03:20	Korean Air Cargo	KAL233	B744	90.958
SEA12	12/11/2020 03:35	China Cargo Airlines	CKK229	B77L	88.271
SEA12	12/11/2020 04:14	FedEx Express	FDX1885	MD11	93.566
SEA12	12/12/2020 04:28	FedEx Express	FDX1885	MD11	88.25
SEA12	12/13/2020 03:16	China Cargo Airlines	CKK229	B77L	88.166
SEA12	12/13/2020 03:32	China Airlines Cargo	CAL5381	B744	90.01
SEA12	12/13/2020 03:38	FedEx Express	FDX710	MD11	90.054
SEA12	12/14/2020 02:15	Air Transport Intl'	ATN3401	B763	89.636
SEA12	12/14/2020 02:34	Air Transport Intl'	ATN3464	B763	89.728
SEA12	12/14/2020 03:19	China Cargo Airlines	CKK229	B77L	88.946
SEA12	12/15/2020 02:02	Air Transport Intl'	ATN3464	B763	88.068
SEA12	12/15/2020 02:59	China Cargo Airlines	CKK229	B77L	89.96
SEA12	12/15/2020 03:28	Korean Air Cargo	KAL233	B748	88.482
SEA12	12/16/2020 01:56	Air Transport Intl'	ATN3464	B763	90.149
SEA12	12/16/2020 02:08	Air Transport Intl'	ATN3401	B763	89.758
SEA12	12/16/2020 03:52	Kalitta Air	CKS315	B744	90.803

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	Event SEL
SEA12	12/16/2020 03:55	China Cargo Airlines	CKK229	B77L	89.448
SEA12	12/16/2020 04:47	FedEx Express	FDX1885	MD11	92.796
SEA12	12/17/2020 02:11	Air Transport Intl'	ATN3464	B763	89.602
SEA12	12/17/2020 02:40	Air Transport Intl'	ATN3401	B763	90.405
SEA12	12/17/2020 02:52	China Cargo Airlines	CKK229	B77L	90.482
SEA12	12/17/2020 04:54	FedEx Express	FDX1885	MD11	92.251
SEA12	12/18/2020 02:45	Air Transport Intl'	ATN3401	B763	89.748
SEA12	12/18/2020 03:13	Korean Air Cargo	KAL233	B748	88.902
SEA12	12/18/2020 03:25	China Cargo Airlines	CKK229	B77L	88.774
SEA12	12/18/2020 04:50	FedEx Express	FDX1885	MD11	91.141
SEA12	12/19/2020 02:23	Air Transport Intl'	ATN3401	B763	89.477
SEA12	12/19/2020 02:27	Air Transport Intl'	ATN3464	B763	88.011
SEA12	12/19/2020 03:08	China Cargo Airlines	CKK229	B77L	89.561
SEA12	12/19/2020 04:49	FedEx Express	FDX1885	MD11	88.983
SEA12	12/20/2020 02:19	Air Transport Intl'	ATN3464	B763	91.827
SEA12	12/20/2020 03:56	FedEx Express	FDX710	MD11	89.712
SEA12	12/22/2020 03:32	Korean Air Cargo	KAL233	B748	88.517
SEA12	12/22/2020 04:00	Kalitta Air	CKS315	B744	89.04
SEA12	12/23/2020 03:40	China Cargo Airlines	CKK229	B77L	88.236
SEA12	12/25/2020 03:22	China Cargo Airlines	CKK229	B77L	88.275
SEA12	12/26/2020 01:01	China Airlines Cargo	CAL5235	B744	88.625
SEA12	12/26/2020 03:31	FedEx Express	FDX1885	MD11	89.34
SEA12	12/26/2020 04:46	FedEx Express	FDX1423	MD11	91.226
SEA12	12/27/2020 02:19	Air Transport Intl'	ATN3464	B763	88.168
SEA12	12/27/2020 03:10	Kalitta Air	CKS344	B763	88.716
SEA12	12/27/2020 03:44	FedEx Express	FDX710	MD11	88.394
SEA12	12/27/2020 04:02	Cargolux	CLX38F	B744	93.054
SEA12	12/27/2020 04:21	China Cargo Airlines	CKK229	B77L	89.136
SEA12	12/30/2020 03:27	China Cargo Airlines	CKK229	B77L	89.178
SEA12	12/30/2020 04:14	FedEx Express	FDX1885	MD11	90.504
SEA12	12/31/2020 01:04	Asiana Cargo	AAR242	B744	99.806

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 12

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	Event SEL
SEA12	12/31/2020 02:19	Air Transport Intl'	ATN3401	B763	98.988
SEA12	12/31/2020 02:33	Air Transport Intl'	ATN3464	B763	93.908
SEA12	12/31/2020 03:00	China Cargo Airlines	CKK229	B77L	93.835
SEA12	12/31/2020 04:52	FedEx Express	FDX1885	MD11	92.61

Aircraft Arrivals Exceeding 82 dB SEL at Noise Monitor 13

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	Event SEL
SEA13	12/01/2020 02:16	Korean Air Cargo	KAL233	B748	82.446
SEA13	12/01/2020 04:55	FedEx Express	FDX1885	MD11	82.894
SEA13	12/08/2020 02:40	Air Transport Intl'	ATN3401	B763	83.8

Aircraft Arrivals Exceeding 89 dB SEL at Noise Monitor 18

No flights exceeded the threshold in Q4

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 19

Noise Monitor	Date/Time	Airline	Flight Number	AC Type	SEL Noise Level
SEA19	10/02/2020 02:40	China Airlines Cargo	CAL5235	B744	88.94
SEA19	10/06/2020 03:49	FedEx Express	FDX1885	MD11	88.909
SEA19	10/24/2020 01:48	Air Transport Intl'	ATN3464	B763	88.377
SEA19	10/24/2020 04:04	China Airlines Cargo	CAL5381	B744	91.018
SEA19	10/24/2020 04:09	FedEx Express	FDX1885	DC10	88.301
SEA19	10/27/2020 04:17	FedEx Express	FDX1885	MD11	89.575
SEA19	10/31/2020 04:32	FedEx Express	FDX1825	MD11	89.866
SEA19	11/01/2020 02:08	Air Transport Intl'	ATN3464	B763	88.554
SEA19	11/06/2020 02:21	Air Transport Intl'	ATN3401	B763	89.98
SEA19	11/06/2020 02:39	Korean Air Cargo	KAL233	B748	88.059
SEA19	11/06/2020 03:42	FedEx Express	FDX1885	MD11	90.74
SEA19	11/07/2020 02:01	Air Transport Intl'	ATN3401	B763	89.04
SEA19	11/07/2020 04:03	FedEx Express	FDX1885	MD11	88.674
SEA19	11/08/2020 00:08	Cargolux	CLX38F	B744	88.833
SEA19	11/08/2020 03:14	FedEx Express	FDX710	MD11	88.308
SEA19	12/02/2020 03:25	China Airlines Cargo	CAL5235	B744	88.287
SEA19	12/24/2020 03:25	China Airlines Cargo	CAL5235	B744	88.53
SEA19	12/24/2020 04:05	FedEx Express	FDX1885	MD11	88.625
SEA19	12/28/2020 02:11	China Airlines Cargo	CAL5381	B744	88.758