

Total Airline Operations and Exceedances During Late Night Hours in 2nd Quarter 2023

PAX = passenger airline

CRG = cargo airline

| Airline Code | Airline Name | Type* | Total Operations | Total Number of Exceedances | Percent of Operations |
|---------------|--|-------|------------------|-----------------------------|-----------------------|
| AAL | American Airlines | PAX | 174 | 4 | 2% |
| AAR | Asiana Airlines Cargo | CRG | 7 | 7 | 100% |
| ABX | ABX Air | CRG | 16 | 0 | 0% |
| ACA | Air Canada | PAX | 13 | 0 | 0% |
| ADB | Antonov Airlines | CRG | 2 | 2 | 100% |
| ANA | All Nippon Airlines | PAX | 1 | 0 | 0% |
| ASA | Alaska Airlines | PAX | 825 | 0 | 0% |
| ATN | Air Transport Intl ¹ (Amazon) | CRG | 264 | 19 | 7% |
| BOX | Aerologic | CRG | 14 | 0 | 0% |
| CAL | China Airlines Cargo | CRG | 66 | 41 | 62% |
| CLX | Cargolux | CRG | 17 | 14 | 82% |
| DAL | Delta Air Lines | PAX | 406 | 0 | 0% |
| EVA | EVA Air | PAX | 93 | 0 | 0% |
| FDX | FedEx Express | CRG | 67 | 26 | 39% |
| FFT | Frontier Airlines | PAX | 12 | 0 | 0% |
| GTI | Atlas Air | PAX | 6 | 0 | 0% |
| HAL | Hawaiian Airlines | PAX | 23 | 0 | 0% |
| JBU | JetBlue | PAX | 53 | 0 | 0% |
| KAL | Korean Air Cargo | CRG | 34 | 16 | 47% |
| KYE | Sky Lease Cargo | CRG | 11 | 7 | 64% |
| NAC | Northern Air Cargo | CRG | 1 | 0 | 0% |
| NKS | Spirit Airlines | PAX | 26 | 0 | 0% |
| OAE | Omni Air | PAX | 6 | 0 | 0% |
| QXE | Horizon Air | PAX | 15 | 0 | 0% |
| SCX | Sun Country | PAX | 13 | 0 | 0% |
| SKW | SkyWest Airlines | PAX | 24 | 0 | 0% |
| SWA | Southwest Airlines | PAX | 283 | 0 | 0% |
| UAL | United Airlines | PAX | 281 | 1 | Less than 1% |
| VOI | Volaris | PAX | 3 | 0 | 0% |
| Totals | | | 2756 | 137 | 5% |

Airlines With No Operations During Late Night Hours:

Lufthansa, Japan Airlines, Emirates Airlines, Virgin Atlantic, Aeromexico, Aer Lingus, Finnair, Air Tahiti Nui
Jazz Aviation, Iceland Air, Qatar Airways, Air France, Singapore Airlines, Condor, Turkish Airlines, British Airways

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 12

| Noise Monitor | Date/Time | Airline | Flight Number | Aircraft Type | Runway | SEL Noise Level |
|---------------|------------------|-----------------------|---------------|---------------|--------|-----------------|
| SEA12 | 04/26/2023 00:47 | China Airlines Cargo | CAL5241 | B744 | 34R | 95.944 |
| SEA12 | 04/27/2023 00:12 | Cargolux | CLX38B | B748 | 34R | 95.233 |
| SEA12 | 05/08/2023 04:33 | China Airlines Cargo | CAL5285 | B744 | 34R | 98.816 |
| SEA12 | 05/10/2023 01:07 | China Airlines Cargo | CAL5241 | B744 | 34R | 97.522 |
| SEA12 | 05/13/2023 01:04 | American Airlines | AAL521 | A321 | 34R | 91.705 |
| SEA12 | 05/15/2023 00:04 | American Airlines | AAL156 | B772 | 34R | 91.109 |
| SEA12 | 05/18/2023 02:40 | Cargolux | CLX38B | B748 | 34R | 94.337 |
| SEA12 | 05/24/2023 02:27 | China Airlines Cargo | CAL5241 | B744 | 34R | 96.281 |
| SEA12 | 05/25/2023 00:27 | American Airlines | AAL156 | B772 | 34R | 93.365 |
| SEA12 | 05/26/2023 03:03 | China Airlines Cargo | CAL5235 | B744 | 34R | 97.553 |
| SEA12 | 06/02/2023 03:30 | China Airlines Cargo | CAL5235 | B744 | 34R | 96.45 |
| SEA12 | 06/04/2023 04:35 | China Airlines Cargo | CAL5235 | B744 | 34R | 97.763 |
| SEA12 | 06/05/2023 00:21 | Asiana Airlines Cargo | AAR241 | B744 | 34R | 96.124 |
| SEA12 | 06/05/2023 03:15 | China Airlines Cargo | CAL5285 | B744 | 34R | 94.797 |
| SEA12 | 06/11/2023 00:50 | Cargolux | CLX38F | B748 | 34R | 93.753 |
| SEA12 | 06/11/2023 04:12 | China Airlines Cargo | CAL5235 | B744 | 34R | 99.005 |
| SEA12 | 06/22/2023 00:42 | Cargolux | CLX38B | B748 | 34R | 95.238 |
| SEA12 | 06/22/2023 04:08 | Korean Air Cargo | KAL9210 | B748 | 34R | 93.886 |
| SEA12 | 06/26/2023 00:52 | United Airlines | UAL2242 | B737 | 34R | 91.281 |
| SEA12 | 06/30/2023 03:05 | China Airlines Cargo | CAL5235 | B744 | 34R | 97.87 |

Aircraft Departures Exceeding 91 dB SEL at Noise Monitor 19

| Noise Monitor | Date/Time | Airline | Flight Number | Aircraft Type | Runway | SEL Noise Level |
|---------------|------------------|-----------------------|---------------|---------------|--------|-----------------|
| SEA19 | 04/02/2023 04:00 | China Airlines Cargo | CAL5235 | B744 | 16L | 96.047 |
| SEA19 | 04/03/2023 04:42 | China Airlines Cargo | CAL5285 | B744 | 16L | 93.155 |
| SEA19 | 04/04/2023 03:47 | China Airlines Cargo | CAL5235 | B744 | 16L | 95.324 |
| SEA19 | 04/05/2023 00:02 | China Airlines Cargo | CAL5171 | B744 | 16L | 96.922 |
| SEA19 | 04/08/2023 04:37 | Sky Lease Cargo | KYE9501 | B744 | 16L | 92.593 |
| SEA19 | 04/10/2023 03:41 | China Airlines Cargo | CAL5285 | B744 | 16L | 96.786 |
| SEA19 | 04/11/2023 04:41 | China Airlines Cargo | CAL5235 | B744 | 16L | 93.226 |
| SEA19 | 04/12/2023 00:46 | China Airlines Cargo | CAL5241 | B744 | 16L | 96.553 |
| SEA19 | 04/13/2023 02:30 | Cargolux | CLX38B | B748 | 16L | 94.251 |
| SEA19 | 04/16/2023 04:08 | Cargolux | CLX38F | B744 | 16L | 95.124 |
| SEA19 | 04/16/2023 04:31 | China Airlines Cargo | CAL5235 | B744 | 16L | 98.36 |
| SEA19 | 04/17/2023 03:12 | China Airlines Cargo | CAL5285 | B744 | 16L | 96.821 |
| SEA19 | 04/18/2023 03:49 | China Airlines Cargo | CAL5235 | B744 | 16L | 95.217 |
| SEA19 | 04/19/2023 00:29 | China Airlines Cargo | CAL5241 | B744 | 16L | 96.983 |
| SEA19 | 04/20/2023 00:43 | Cargolux | CLX38B | B748 | 16L | 95.603 |
| SEA19 | 04/20/2023 04:27 | Asiana Airlines Cargo | AAR241 | B744 | 16L | 96.828 |
| SEA19 | 04/23/2023 02:14 | Cargolux | CLX38F | B744 | 16L | 96.947 |
| SEA19 | 04/23/2023 03:54 | China Airlines Cargo | CAL5235 | B744 | 16L | 98.705 |
| SEA19 | 04/24/2023 03:18 | Asiana Airlines Cargo | AAR241 | B744 | 16L | 96.788 |
| SEA19 | 04/24/2023 03:28 | China Airlines Cargo | CAL5285 | B744 | 16L | 96.806 |
| SEA19 | 04/30/2023 04:05 | China Airlines Cargo | CAL5235 | B744 | 16L | 99.199 |
| SEA19 | 05/01/2023 03:54 | China Airlines Cargo | CAL5285 | B744 | 16L | 96.367 |
| SEA19 | 05/03/2023 00:38 | China Airlines Cargo | CAL5241 | B744 | 16L | 97.233 |
| SEA19 | 05/07/2023 00:04 | Cargolux | CLX38F | B744 | 16L | 97.693 |
| SEA19 | 05/07/2023 03:59 | China Airlines Cargo | CAL5235 | B744 | 16L | 97.139 |
| SEA19 | 05/30/2023 03:33 | Cargolux | CLX46U | B748 | 16L | 92.735 |
| SEA19 | 06/09/2023 04:58 | China Airlines Cargo | CAL5235 | B744 | 16L | 96.516 |
| SEA19 | 06/14/2023 03:31 | Antonov Airlines | ADB3569 | A124 | 16L | 99.031 |
| SEA19 | 06/14/2023 04:22 | China Airlines Cargo | CAL5241 | B744 | 16L | 96.355 |
| SEA19 | 06/15/2023 00:02 | Cargolux | CLX38B | B748 | 16L | 96.102 |
| SEA19 | 06/16/2023 01:15 | China Airlines Cargo | CAL5235 | B744 | 16L | 98.748 |

| Noise Monitor | Date/Time | Airline | Flight Number | Aircraft Type | Runway | SEL Noise Level |
|---------------|------------------|-----------------------|---------------|---------------|--------|-----------------|
| SEA19 | 06/18/2023 04:35 | China Airlines Cargo | CAL5235 | B744 | 16L | 98.31 |
| SEA19 | 06/20/2023 02:39 | China Airlines Cargo | CAL5231 | B744 | 16L | 93.58 |
| SEA19 | 06/21/2023 01:06 | China Airlines Cargo | CAL5241 | B744 | 16L | 96.951 |
| SEA19 | 06/26/2023 04:38 | Korean Air Cargo | KAL9210 | B744 | 16L | 99.038 |
| SEA19 | 06/27/2023 03:48 | China Airlines Cargo | CAL5235 | B744 | 16L | 97.508 |
| SEA19 | 06/28/2023 01:02 | China Airlines Cargo | CAL5235 | B744 | 16L | 97.382 |
| SEA19 | 06/28/2023 02:31 | Asiana Airlines Cargo | AAR243 | B744 | 16L | 98.19 |
| SEA19 | 06/28/2023 04:19 | China Airlines Cargo | CAL5241 | B744 | 16L | 96.269 |
| SEA19 | 06/29/2023 04:07 | Cargolux | CLX38B | B744 | 16L | 98.812 |

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 12

| Noise Monitor | Date/Time | Airline | Flight Number | Aircraft Type | Runway | SEL Noise Level |
|---------------|------------------|-----------------------|---------------|---------------|--------|-----------------|
| SEA12 | 04/01/2023 03:12 | Air Transport Intl' | ATN3364 | B763 | 16L | 88.697 |
| SEA12 | 04/04/2023 04:20 | FedEx Express | FDX1885 | MD11 | 16L | 88.841 |
| SEA12 | 04/05/2023 03:54 | FedEx Express | FDX1885 | MD11 | 16L | 89.589 |
| SEA12 | 04/06/2023 03:42 | FedEx Express | FDX1885 | MD11 | 16L | 90.678 |
| SEA12 | 04/07/2023 02:30 | Air Transport Intl' | ATN3364 | B763 | 16L | 93.868 |
| SEA12 | 04/07/2023 03:41 | FedEx Express | FDX1885 | MD11 | 16L | 91.203 |
| SEA12 | 04/07/2023 04:20 | Korean Air Cargo | KAL233 | B748 | 16L | 88.071 |
| SEA12 | 04/08/2023 02:25 | Sky Lease Cargo | KYE9501 | B744 | 16L | 95.14 |
| SEA12 | 04/08/2023 03:48 | Korean Air Cargo | KAL8233 | B748 | 16L | 89.067 |
| SEA12 | 04/11/2023 02:09 | Air Transport Intl' | ATN3364 | B763 | 16L | 88.686 |
| SEA12 | 04/11/2023 03:47 | FedEx Express | FDX1885 | MD11 | 16L | 92.638 |
| SEA12 | 04/11/2023 03:55 | Korean Air Cargo | KAL233 | B748 | 16L | 89.084 |
| SEA12 | 04/12/2023 03:46 | FedEx Express | FDX1885 | MD11 | 16L | 88.992 |
| SEA12 | 04/13/2023 04:03 | FedEx Express | FDX1885 | MD11 | 16L | 91.528 |
| SEA12 | 04/17/2023 02:41 | Air Transport Intl' | ATN3364 | B763 | 16L | 93.931 |
| SEA12 | 04/18/2023 01:06 | China Airlines Cargo | CAL5235 | B744 | 16L | 89.933 |
| SEA12 | 04/18/2023 03:14 | Sky Lease Cargo | KYE9501 | B744 | 16L | 95.445 |
| SEA12 | 04/18/2023 04:26 | Korean Air Cargo | KAL233 | B748 | 16L | 91.24 |
| SEA12 | 04/18/2023 04:31 | FedEx Express | FDX1885 | MD11 | 16L | 89.598 |
| SEA12 | 04/19/2023 04:09 | FedEx Express | FDX1885 | MD11 | 16L | 89.904 |
| SEA12 | 04/20/2023 01:56 | Air Transport Intl' | ATN3324 | B763 | 16L | 88.017 |
| SEA12 | 04/20/2023 02:23 | Asiana Airlines Cargo | AAR242 | B744 | 16L | 92.753 |
| SEA12 | 04/20/2023 04:06 | FedEx Express | FDX1885 | MD11 | 16L | 89.909 |
| SEA12 | 04/21/2023 02:38 | Air Transport Intl' | ATN3364 | B763 | 16L | 88.161 |
| SEA12 | 04/21/2023 03:54 | FedEx Express | FDX1885 | MD11 | 16L | 89.481 |
| SEA12 | 04/22/2023 02:09 | Air Transport Intl' | ATN3364 | B763 | 16C | 88.703 |
| SEA12 | 04/22/2023 03:40 | Korean Air Cargo | KAL8233 | B748 | 16L | 89.785 |
| SEA12 | 04/24/2023 00:35 | China Airlines Cargo | CAL5285 | B744 | 16L | 89.19 |
| SEA12 | 04/24/2023 01:08 | Asiana Airlines Cargo | AAR242 | B744 | 16L | 93.653 |
| SEA12 | 04/24/2023 02:27 | Air Transport Intl' | ATN3364 | B763 | 16L | 88.831 |
| SEA12 | 04/29/2023 04:18 | Korean Air Cargo | KAL8233 | B748 | 16L | 88.372 |
| SEA12 | 05/03/2023 02:20 | Air Transport Intl' | ATN3364 | B763 | 16L | 88.192 |
| SEA12 | 05/05/2023 03:43 | FedEx Express | FDX1885 | B763 | 16L | 93.751 |
| SEA12 | 05/05/2023 04:09 | Korean Air Cargo | KAL233 | B748 | 16L | 88.696 |
| SEA12 | 05/06/2023 04:51 | Korean Air Cargo | KAL8233 | B748 | 16L | 88.531 |
| SEA12 | 05/16/2023 04:23 | FedEx Express | FDX1885 | B763 | 16L | 88.892 |
| SEA12 | 05/17/2023 03:53 | FedEx Express | FDX1885 | B763 | 16L | 88.698 |
| SEA12 | 05/30/2023 00:22 | Cargolux | CLX46U | B748 | 16L | 88.97 |
| SEA12 | 05/30/2023 01:53 | Air Transport Intl' | ATN3364 | B763 | 16L | 88.437 |
| SEA12 | 06/08/2023 02:00 | Air Transport Intl' | ATN3364 | B763 | 16L | 88.089 |
| SEA12 | 06/08/2023 04:10 | FedEx Express | FDX1885 | B763 | 16L | 91.74 |
| SEA12 | 06/08/2023 04:27 | Sky Lease Cargo | KYE9501 | B744 | 16L | 92.028 |
| SEA12 | 06/09/2023 02:03 | Air Transport Intl' | ATN3364 | B763 | 16L | 89.35 |
| SEA12 | 06/09/2023 04:00 | FedEx Express | FDX1885 | B763 | 16L | 88.071 |
| SEA12 | 06/09/2023 04:47 | FedEx Express | FDX1423 | B763 | 16L | 89.325 |
| SEA12 | 06/14/2023 00:43 | China Airlines Cargo | CAL5241 | B744 | 16L | 89.916 |
| SEA12 | 06/14/2023 04:13 | FedEx Express | FDX1885 | B763 | 16L | 88.568 |
| SEA12 | 06/16/2023 03:57 | Korean Air Cargo | KAL233 | B744 | 16L | 88.885 |
| SEA12 | 06/17/2023 04:01 | Korean Air Cargo | KAL8233 | B748 | 16L | 89.119 |
| SEA12 | 06/17/2023 04:17 | Antonov Airlines | ADB368F | A124 | 16L | 90.115 |
| SEA12 | 06/19/2023 04:29 | Sky Lease Cargo | KYE4871 | B744 | 16L | 89.363 |
| SEA12 | 06/20/2023 02:05 | Air Transport Intl' | ATN3364 | B763 | 16L | 88.818 |
| SEA12 | 06/20/2023 03:55 | FedEx Express | FDX1885 | B763 | 16L | 89.999 |
| SEA12 | 06/27/2023 04:05 | FedEx Express | FDX1885 | B763 | 16L | 90.462 |
| SEA12 | 06/28/2023 00:18 | Asiana Airlines Cargo | AAR244 | B744 | 16L | 89.523 |

Aircraft Arrivals Exceeding 82 dB SEL at Noise Monitor 13

| Noise Monitor | Date/Time | Airline | Flight Number | Aircraft Type | Runway | SEL Noise Level |
|---------------|------------------|---------------------|---------------|---------------|--------|-----------------|
| SEA13 | 04/23/2023 02:30 | Air Transport Intl' | ATN3364 | B763 | 16R | 84.009 |

Aircraft Arrivals Exceeding 89 dB SEL at Noise Monitor 18

| Noise Monitor | Date/Time | Airline | Flight Number | Aircraft Type | Runway | SEL Noise Level |
|---------------|------------------|----------------------|---------------|---------------|--------|-----------------|
| SEA18 | 05/12/2023 02:19 | Air Transport Intl' | ATN3364 | B763 | 34L | 89.394 |
| SEA18 | 06/04/2023 02:53 | Sky Lease Cargo | KYE9501 | B744 | 34C | 89.818 |
| SEA18 | 06/30/2023 00:17 | China Airlines Cargo | CAL5235 | B744 | 34L | 89.515 |

Aircraft Arrivals Exceeding 88 dB SEL at Noise Monitor 19

| Noise Monitor | Date/Time | Airline | Flight Number | Aircraft Type | Runway | SEL Noise Level |
|---------------|------------------|----------------------|---------------|---------------|--------|-----------------|
| SEA19 | 04/14/2023 04:12 | FedEx Express | FDX1885 | MD11 | 34R | 90.032 |
| SEA19 | 04/27/2023 02:28 | Air Transport Intl' | ATN3364 | B763 | 34R | 88.507 |
| SEA19 | 04/27/2023 03:50 | FedEx Express | FDX1885 | MD11 | 34R | 90.822 |
| SEA19 | 04/28/2023 03:38 | FedEx Express | FDX1885 | MD11 | 34R | 88.936 |
| SEA19 | 04/28/2023 04:07 | Korean Air Cargo | KAL233 | B748 | 34R | 88.809 |
| SEA19 | 05/02/2023 02:22 | Air Transport Intl' | ATN3364 | B763 | 34R | 90.718 |
| SEA19 | 05/09/2023 02:35 | Air Transport Intl' | ATN3364 | B763 | 34R | 88.101 |
| SEA19 | 05/18/2023 00:13 | Cargolux | CLX37B | B748 | 34R | 88.959 |
| SEA19 | 05/26/2023 00:20 | American Airlines | AAL156 | B772 | 34R | 89.866 |
| SEA19 | 05/31/2023 04:30 | FedEx Express | FDX1885 | MD11 | 34R | 90.643 |
| SEA19 | 06/02/2023 04:22 | Korean Air Cargo | KAL233 | B744 | 34R | 89.442 |
| SEA19 | 06/02/2023 04:56 | FedEx Express | FDX1423 | MD11 | 34R | 89.017 |
| SEA19 | 06/06/2023 04:18 | FedEx Express | FDX1885 | B763 | 34R | 88.929 |
| SEA19 | 06/22/2023 01:52 | Korean Air Cargo | KAL9210 | B748 | 34R | 88.595 |
| SEA19 | 06/22/2023 03:30 | Sky Lease Cargo | KYE9501 | B744 | 34R | 90.242 |
| SEA19 | 06/23/2023 03:29 | China Airlines Cargo | CAL5235 | B744 | 34R | 88.725 |
| SEA19 | 06/26/2023 01:54 | Korean Air Cargo | KAL9210 | B744 | 34R | 88.221 |
| SEA19 | 06/26/2023 02:09 | Air Transport Intl' | ATN3364 | B763 | 34R | 90.104 |