Year 2021 - Day and Evening Time Period (All Runway)

	NSR														
Flight ID	SLW-1	SLW-2	SLW-3	TS-1	TS-2	TC-1	TC-2	TC-3	TC-4	TC-5	TC-6	TC-7	TC-11	TC-16	TC-46
HDA3003A	13.4	9.6	3.4	16.9	16.5	18.3	16.4	16.2	15.2	16.2	15.9	19.0	19.0	18.0	15.2
AXM1037A	22.7	19.5	18.2	22.6	22.4	16.9	16.2	15.9	16.6	18.3	18.2	15.1	15.4	16.0	16.4
HDA3045A	16.5	13.7	13.0	21.2	20.7	22.0	20.1	19.9	19.1	20.3	20.0	21.7	21.9	21.5	19.1
HDA3046A	18.2	15.4	14.2	19.7	19.4	17.1	15.9	15.6	15.6	17.0	16.8	16.3	16.5	16.5	15.4
JSA1002A	19.1	16.2	15.0	20.6	20.3	17.5	16.4	16.1	16.2	17.7	17.5	16.5	16.7	16.8	16.0
AIQ1111A	19.1	16.2	15.0	20.5	20.2	17.4	16.3	16.0	16.1	17.6	17.4	16.4	16.6	16.7	15.9
HKE5000A	20.9	17.8	16.6	22.1	21.8	17.8	16.9	16.6	16.9	18.6	18.4	16.3	16.6	17.0	16.8
CCA1067A	22.0	18.8	17.7	24.2	23.8	19.4	18.6	18.2	18.7	20.5	20.3	17.6	17.9	18.5	18.5
CAL1079A	18.3	15.4	14.5	21.1	20.7	19.1	17.8	17.5	17.4	18.8	18.6	18.3	18.5	18.5	17.2
EVA1050A	14.9	12.3	11.3	18.0	17.5	18.1	16.4	16.3	15.5	16.7	16.4	18.4	18.4	17.8	15.5
PAL1206A	22.4	19.3	17.9	22.1	21.9	16.6	15.9	15.6	16.2	17.9	17.8	14.8	15.1	15.7	16.0
AFL1231A	18.5	15.6	14.5	20.6	20.3	18.2	17.0	16.7	16.6	18.1	17.9	17.4	17.6	17.6	16.5
BIZ015A	35.2	29.8	28.7	32.1	32.5	18.3	19.0	18.5	20.9	23.3	23.3	14.6	15.1	17.1	20.6
JAI1023A	14.6	11.9	11.1	18.6	18.2	20.0	18.1	18.0	16.9	18.0	17.7	20.5	20.5	19.7	16.9
HKE5004A	21.3	18.3	16.9	20.5	20.3	15.4	14.6	14.3	14.9	16.5	16.4	13.9	14.1	14.6	14.7
CRK6083D	34.6	30.5	29.7	39.4	38.9	29.3	29.4	28.9	30.6	33.0	32.9	25.7	26.3	28.0	30.2
CRK6093D	32.6	29.0	28.4	39.5	38.9	30.4	30.3	29.8	31.3	33.8	33.6	26.8	27.3	29.1	31.0
CPA2045D	23.5	20.7	20.0	28.6	28.0	29.3	27.5	27.3	26.5	27.7	27.4	29.1	29.2	28.8	26.4
CPA2057D	26.2	23.2	22.2	28.5	28.2	24.9	23.9	23.6	23.8	25.4	25.2	23.7	23.9	24.2	23.6
SRQ1101D	28.4	25.2	24.1	30.7	30.3	25.9	25.1	24.8	25.2	27.0	26.8	24.1	24.4	25.1	25.0
APG1203D	30.2	26.8	25.7	32.5	32.2	26.8	26.1	25.7	26.4	28.3	28.1	24.7	25.0	25.9	26.2
CEB1009D	29.1	26.0	24.6	28.9	28.7	23.2	22.6	22.2	22.9	24.7	24.5	21.4	21.8	22.4	22.7
HDA3017D	26.5	23.4	22.6	30.4	30.0	27.7	26.5	26.2	26.2	27.8	27.5	26.4	26.7	26.9	26.0
GFS2D	47.2	44.3	39.9	32.0	32.4	19.7	20.5	20.1	22.4	24.5	24.6	13.3	14.1	16.7	22.1
AAL1025D	24.1	21.2	20.2	26.4	26.0	24.6	23.2	23.0	22.7	24.1	23.9	24.1	24.2	24.0	22.6
CPA2128D	27.7	24.5	23.6	31.5	31.1	29.1	27.8	27.5	27.4	29.0	28.7	27.7	28.0	28.3	27.2
CPA2127D	22.6	19.8	18.9	25.9	25.5	26.0	24.3	24.2	23.4	24.6	24.3	26.1	26.2	25.6	23.4
CKS6097D	37.2	33.4	31.0	29.1	29.3	19.7	19.8	19.4	21.0	23.0	22.9	13.0	15.9	18.7	20.7
EVA1051D	30.5	27.1	25.9	31.0	30.8	24.5	24.0	23.7	24.5	26.4	26.2	22.4	22.8	23.6	24.3
CKS6098D	36.8	32.4	31.5	41.4	41.2	28.2	28.7	28.2	30.3	32.9	32.9	24.4	24.9	26.9	29.9
CPA2129D	23.9	21.1	20.1	26.5	26.2	25.2	23.8	23.5	23.2	24.5	24.3	24.8	24.9	24.7	23.0
ANA1185D	30.2	26.9	25.7	30.7	30.5	24.4	23.8	23.5	24.3	26.2	26.0	22.3	22.7	23.5	24.1
HDA3082D	20.8	17.9	12.9	24.2	23.8	25.5	23.6	23.5	22.4	23.4	23.2	26.2	26.2	25.3	22.4
HDA3044D	22.7	20.0	19.1	26.0	25.6	26.0	24.3	24.1	23.4	24.6	24.4	25.9	26.0	25.5	23.4
CPA2006D	23.2	20.4	19.5	26.2	25.8	25.7	24.1	23.9	23.3	24.6	24.3	25.5	25.6	25.2	23.2
THA1235D	25.6	22.6	21.6	28.0	27.6	25.5	24.2	24.0	23.9	25.4	25.2	24.5	24.7	24.8	23.8
CPA2130D	24.9	22.0	21.1	27.9	27.5	26.2	24.8	24.6	24.3	25.8	25.5	25.4	25.6	25.6	24.2
CPA2108D	27.7	24.5	23.6	31.0	30.6	27.5	26.4	26.1	26.2	27.9	27.7	26.1	26.4	26.8	26.1
SUM	49.0	45.8	42.7	47.2	46.9	40.6	39.7	39.4	40.0	41.9	41.7	39.2	39.4	39.8	39.8

Year 2021 - Day and Evening Time Period (Third Runway)

	NSR														
Flight ID	SLW-1	SLW-2	SLW-3	TS-1	TS-2	TC-1	TC-2	TC-3	TC-4	TC-5	TC-6	TC-7	TC-11	TC-16	TC-46
HDA3003A	13.4	9.6	3.4	16.9	16.5	18.3	16.4	16.2	15.2	16.2	15.9	19.1	19.0	18.0	15.2
AXM1037A	22.7	19.5	18.2	22.6	22.4	16.9	16.2	15.9	16.6	18.3	18.2	15.1	15.4	16.0	16.4
HDA3045A	16.5	13.7	13.0	21.2	20.7	22.0	20.1	19.9	19.1	20.3	20.0	21.7	21.9	21.5	19.1
HDA3046A	18.2	15.4	14.2	19.7	19.4	17.1	15.9	15.6	15.6	17.0	16.8	16.3	16.5	16.5	15.4
JSA1002A	19.1	16.2	15.0	20.6	20.3	17.5	16.4	16.1	16.2	17.7	17.5	16.5	16.7	16.8	16.0
AIQ1111A	19.1	16.2	15.0	20.5	20.2	17.4	16.3	16.0	16.1	17.6	17.4	16.4	16.6	16.7	15.9
HKE5000A	20.9	17.8	16.6	22.1	21.8	17.8	16.9	16.6	16.9	18.6	18.4	16.3	16.6	17.0	16.8
CCA1067A	22.0	18.8	17.7	24.2	23.8	19.4	18.6	18.2	18.7	20.5	20.3	17.6	17.9	18.5	18.5
CAL1079A	18.3	15.4	14.5	21.1	20.7	19.1	17.8	17.5	17.4	18.8	18.6	18.3	18.5	18.5	17.2
EVA1050A	14.9	12.3	11.3	18.0	17.5	18.1	16.4	16.3	15.5	16.7	16.4	18.4	18.4	17.8	15.5
PAL1206A	22.4	19.3	17.9	22.1	21.9	16.6	15.9	15.6	16.2	17.9	17.8	14.8	15.1	15.7	16.0
AFL1231A	18.5	15.6	14.5	20.6	20.3	18.2	17.0	16.7	16.6	18.1	17.9	17.4	17.6	17.6	16.5
BIZ015A	35.2	29.8	28.7	32.1	32.5	18.3	19.0	18.5	20.9	23.3	23.3	14.6	15.1	17.1	20.6
JAI1023A	14.6	11.9	11.1	18.6	18.2	20.0	18.1	18.0	16.9	18.0	17.7	20.5	20.5	19.7	16.9
HKE5004A	21.3	18.3	16.9	20.5	20.3	15.4	14.6	14.3	14.9	16.5	16.4	13.9	14.1	14.6	14.7
SUM	36.6	32.0	30.8	35.3	35.3	30.2	29.0	28.8	28.9	30.6	30.4	29.4	29.6	29.6	28.8

Year 2021 - Night Time Period (All Runway)

	NSR														
Flight ID	SLW-1	SLW-2	SLW-3	TS-1	TS-2	TC-1	TC-2	TC-3	TC-4	TC-5	TC-6	TC-7	TC-11	TC-16	TC-46
AAR1197A	25.3	22.0	20.4	22.8	22.7	15.4	15.1	14.7	15.8	17.6	17.6	13.2	13.6	14.5	15.5
CPA2054A	26.6	23.1	21.5	24.5	24.5	16.4	16.2	15.9	17.1	19.0	18.9	14.0	14.4	15.5	16.8
CPA2043A	22.7	19.5	18.2	22.5	22.3	16.8	16.2	15.9	16.5	18.3	18.1	15.0	15.3	16.0	16.3
HDA3094A	25.6	22.3	20.7	23.3	23.2	15.7	15.4	15.1	16.2	18.1	18.0	13.5	13.8	14.8	15.9
CPA2042A	27.4	23.7	22.1	25.5	25.5	17.0	16.8	16.4	17.8	19.8	19.7	14.4	14.8	16.0	17.5
BIZ008A	35.4	29.9	28.6	30.8	31.2	17.7	18.3	17.9	20.2	22.4	22.5	14.1	14.6	16.5	19.8
HDA3024A	15.1	12.4	11.5	18.9	18.4	19.7	17.9	17.7	16.8	17.9	17.7	19.9	20.0	19.3	16.8
GIA1122A	18.5	15.6	14.5	20.6	20.3	18.2	17.0	16.7	16.6	18.1	17.9	17.4	17.6	17.6	16.5
VIR1265A	18.3	15.4	14.4	21.1	20.7	19.2	17.8	17.6	17.4	18.8	18.6	18.4	18.5	18.5	17.2
ANA1186A	23.5	20.2	18.9	23.8	23.6	17.7	17.1	16.8	17.6	19.4	19.2	15.7	16.1	16.8	17.3
HDA3025A	15.0	12.3	11.5	18.9	18.4	19.8	18.0	17.8	16.9	18.0	17.7	20.1	20.2	19.5	16.9
KAL1138A	25.0	21.5	20.2	25.3	25.1	18.2	17.8	17.4	18.4	20.3	20.2	15.9	16.3	17.2	18.1
KAL1136A	25.5	22.4	20.5	21.6	21.6	14.0	13.7	13.4	14.5	16.4	16.3	11.8	12.1	13.1	14.3
CRK4027A	24.4	21.5	19.7	20.7	20.7	13.5	13.2	12.9	13.9	15.7	15.6	11.5	11.8	12.7	13.7
HDA3040A	18.3	15.4	14.5	21.6	21.2	20.0	18.6	18.3	18.1	19.5	19.3	19.1	19.3	19.4	18.0
DAL1104A	28.0	24.3	22.6	24.3	24.3	15.6	15.5	15.1	16.5	18.5	18.4	13.0	13.4	14.6	16.2
HDA3027A	14.7	12.0	11.2	18.4	17.9	19.3	17.4	17.3	16.4	17.5	17.2	19.6	19.6	18.9	16.3
HDA3026A	14.6	11.9	11.0	17.8	17.4	18.4	16.6	16.4	15.6	16.7	16.5	18.7	18.7	18.0	15.6
CPA2051D	30.5	27.1	25.9	31.0	30.8	24.5	24.0	23.7	24.5	26.4	26.2	22.4	22.8	23.6	24.3
GFS3D	46.1	41.9	38.0	32.8	33.0	22.8	22.9	22.5	24.2	26.2	26.2	19.4	19.9	21.4	23.9
CRK4007D	22.0	19.3	18.4	25.5	25.1	26.1	24.3	24.1	23.3	24.4	24.1	26.4	26.4	25.7	23.2
NGB6122D	36.9	32.8	30.9	31.8	31.9	22.4	22.5	22.1	23.6	25.6	25.6	19.6	20.1	21.4	23.3
CPA2070D	25.9	22.9	21.8	28.2	27.8	24.9	23.8	23.5	23.6	25.2	25.0	23.8	24.0	24.2	23.4
CPA2071D	26.2	23.2	22.2	28.8	28.4	25.6	24.5	24.2	24.3	25.9	25.6	24.5	24.7	24.9	24.1
CPA2028D	25.8	22.8	21.9	29.4	28.9	27.0	25.7	25.4	25.4	26.9	26.7	25.9	26.1	26.3	25.2
HDA3073D	22.6	19.8	18.9	25.9	25.5	26.0	24.3	24.2	23.4	24.6	24.3	26.1	26.2	25.6	23.4
COA1089D	32.2	28.7	27.4	32.8	32.6	25.3	25.0	24.6	25.7	27.7	27.5	22.9	23.3	24.3	25.4
DLH1142D	31.6	28.1	26.8	32.0	31.8	25.0	24.6	24.2	25.2	27.1	27.0	22.8	23.1	24.1	24.9
SRQ1102D	21.9	19.2	18.3	25.2	24.8	25.7	23.9	23.8	23.0	24.1	23.8	26.0	26.0	25.3	22.9
CAL6021D	35.3	31.2	30.4	40.0	39.6	28.7	28.9	28.4	30.3	32.8	32.7	25.0	25.5	27.4	29.9
CPA6031D	32.0	28.5	27.9	39.3	38.7	31.2	31.0	30.5	31.8	34.2	34.0	27.5	28.1	29.9	31.5
QFA1213D	20.7	18.1	11.9	24.4	24.0	25.9	24.0	23.9	22.8	23.8	23.5	26.7	26.6	25.7	22.7
CPA2029D	22.5	19.8	19.1	27.5	26.9	28.9	27.0	26.8	25.8	26.9	26.6	29.0	29.1	28.5	25.7
SUM	48.1	44.0	41.3	45.5	45.1	39.0	38.2	37.8	38.5	40.4	40.2	37.7	37.9	38.2	38.2

Year 2021 - Night Time Period (Third Runway)

	NSR														
Flight ID	SLW-1	SLW-2	SLW-3	TS-1	TS-2	TC-1	TC-2	TC-3	TC-4	TC-5	TC-6	TC-7	TC-11	TC-16	TC-46
AAR1197A	25.3	22.0	20.4	22.8	22.7	15.4	15.1	14.7	15.8	17.6	17.6	13.2	13.6	14.5	15.5
CPA2054A	26.6	23.1	21.5	24.5	24.5	16.4	16.2	15.9	17.1	19.0	18.9	14.0	14.4	15.5	16.8
CPA2043A	22.7	19.5	18.2	22.5	22.3	16.8	16.2	15.9	16.5	18.3	18.1	15.0	15.3	16.0	16.3
HDA3094A	25.6	22.3	20.7	23.3	23.2	15.7	15.4	15.1	16.2	18.1	18.0	13.5	13.8	14.8	15.9
CPA2042A	27.4	23.7	22.1	25.5	25.5	17.0	16.8	16.4	17.8	19.8	19.7	14.4	14.8	16.0	17.5
BIZ008A	35.4	29.9	28.6	30.8	31.2	17.7	18.3	17.9	20.2	22.4	22.5	14.1	14.6	16.5	19.8
HDA3024A	15.1	12.4	11.5	18.9	18.4	19.7	17.9	17.7	16.8	17.9	17.7	19.9	20.0	19.3	16.8
GIA1122A	18.5	15.6	14.5	20.6	20.3	18.2	17.0	16.7	16.6	18.1	17.9	17.4	17.6	17.6	16.5
VIR1265A	18.3	15.4	14.4	21.1	20.7	19.2	17.8	17.6	17.4	18.8	18.6	18.4	18.5	18.5	17.2
ANA1186A	23.5	20.2	18.9	23.8	23.6	17.7	17.1	16.8	17.6	19.4	19.2	15.7	16.1	16.8	17.3
HDA3025A	15.0	12.3	11.5	18.9	18.4	19.8	18.0	17.8	16.9	18.0	17.7	20.1	20.2	19.5	16.9
KAL1138A	25.0	21.5	20.2	25.3	25.1	18.2	17.8	17.4	18.4	20.3	20.2	15.9	16.3	17.2	18.1
KAL1136A	25.5	22.4	20.5	21.6	21.6	14.0	13.7	13.4	14.5	16.4	16.3	11.8	12.1	13.1	14.3
CRK4027A	24.4	21.5	19.7	20.7	20.7	13.5	13.2	12.9	13.9	15.7	15.6	11.5	11.8	12.7	13.7
HDA3040A	18.3	15.4	14.5	21.6	21.2	20.0	18.6	18.3	18.1	19.5	19.3	19.1	19.3	19.4	18.0
DAL1104A	28.0	24.3	22.6	24.3	24.3	15.6	15.5	15.1	16.5	18.5	18.4	13.0	13.4	14.6	16.2
HDA3027A	14.7	12.0	11.2	18.4	17.9	19.3	17.4	17.3	16.4	17.5	17.2	19.6	19.6	18.9	16.3
HDA3026A	14.6	11.9	11.0	17.8	17.4	18.4	16.6	16.4	15.6	16.7	16.5	18.7	18.7	18.0	15.6
SUM	38.8	34.5	33.1	36.2	36.3	30.3	29.4	29.1	29.6	31.3	31.1	29.3	29.5	29.6	29.4

Year 2030 - Day and Evening Time Period (All Runway)

	NSR														
Flight ID	SLW-1	SLW-2	SLW-3	TS-1	TS-2	TC-1	TC-2	TC-3	TC-4	TC-5	TC-6	TC-7	TC-11	TC-16	TC-46
BIZ028A	35.2	29.7	28.3	30.5	30.9	17.6	18.2	17.8	20.0	22.3	22.3	14.1	14.6	16.4	19.7
CQH1024A	14.9	12.9	11.3	11.9	11.8	0	0	0	0	0	0	0	0	0	0
AIC1043A	15.5	13.1	11.7	15.0	14.8	12.0	10.9	9.9	10.4	12.1	11.9	11.6	11.7	11.5	9.8
BAW1059A	23.4	22.5	20.2	14.8	15.1	0	0	0	0	0	0	0	0	0	0
EVA1070A	8.4	0	0	4.9	0	0	0	0	0	0	0	0	0	0	0
CCA1084A	12.5	7.2	0	12.2	11.9	3.2	0	0	0	0	0	3.2	3.2	0	0
CCA1098A	8.4	0	0	9.4	8.5	6.3	0	0	0	0	0	7.5	7.5	4.8	0
CAL1114A	14.2	12.1	8.8	11.9	11.7	0	0	0	0	0	0	0	0	0	0
UAE1154A	13.6	11.4	3.2	12.5	12.3	0	0	0	0	0	0	0	0	0	0
SWR1202A	11.1	0	0	9.5	7.4	0	0	0	0	0	0	0	0	0	0
CXA1208A	19.0	16.5	14.9	16.9	16.8	12.0	11.3	11.0	11.5	13.0	12.9	10.8	11.0	11.3	11.3
PAL1291A	14.6	12.1	10.5	14.9	14.7	12.9	11.6	11.4	11.2	12.5	12.3	12.7	12.8	12.5	11.1
ALK1351A	22.1	19.1	17.7	21.7	21.5	16.2	15.6	15.2	15.9	17.6	17.4	14.6	14.9	15.4	15.7
VIR1356A	14.5	12.3	10.8	12.8	12.7	0	0	0	0	0	0	0	0	0	0
CPA2013A	18.1	15.3	14.3	21.5	21.1	20.0	18.6	18.4	18.1	19.5	19.2	19.3	19.5	19.4	18.0
CPA2052A	14.3	11.3	10.5	18.4	17.9	15.9	14.6	14.3	14.3	15.9	15.7	14.4	14.7	15.1	14.2
CPA2053A	19.3	16.3	15.4	23.1	22.6	21.0	19.7	19.4	19.3	20.8	20.6	19.8	20.1	20.3	19.1
CPA2054A	14.5	11.8	11.2	19.8	19.2	22.7	20.5	20.4	19.0	19.9	19.6	23.4	23.4	22.4	19.0
CPA2055A	18.2	15.4	14.4	21.2	20.8	19.5	18.1	17.9	17.6	19.1	18.8	18.7	18.9	18.9	17.5
CPA2056A	19.8	16.8	15.9	23.6	23.2	21.1	19.9	19.6	19.6	21.1	20.9	19.7	20.0	20.3	19.4
CPA2057A	22.1	20.3	18.2	15.8	16.0	0	0	0	0	9.7	9.7	0	0	0	0
CPA2182A	18.5	15.6	14.5	20.7	20.3	18.3	17.1	16.8	16.7	18.2	18.0	17.5	17.7	17.7	16.6
CPA2201A	20.3	17.4	16.1	21.1	20.9	17.0	16.1	15.8	16.1	17.7	17.5	15.7	16.0	16.3	15.9
CPA2202A	19.2	16.2	15.2	21.5	21.1	18.7	17.5	17.2	17.2	18.7	18.5	17.6	17.8	18.0	17.1
CPA2209A	17.1	14.3	13.2	19.2	18.8	17.6	16.2	16.0	15.7	17.0	16.8	17.2	17.3	17.1	15.6
HDA3040A	21.7	18.5	17.4	23.6	23.3	19.0	18.1	17.8	18.2	20.0	19.8	17.3	17.6	18.1	18.0
HDA3076A	18.4	15.4	14.7	23.4	22.9	22.9	21.3	21.0	20.6	22.0	21.7	21.8	22.1	22.2	20.5
HDA3136A	20.4	17.5	16.1	20.3	20.1	15.9	15.1	14.8	15.1	16.7	16.6	14.7	14.9	15.2	14.9
CRK4040A	12.6	10.7	7.2	9.5	9.5	0	0	0	0	0	0	0	0	0	0
CPA6089A	15.1	11.9	11.2	21.4	20.8	16.7	16.0	15.6	16.2	18.2	17.9	13.9	14.4	15.6	15.9
FDX6107A	28.2	24.4	23.7	33.7	33.4	21.8	22.1	21.6	23.6	26.1	26.0	18.1	18.7	20.5	23.2
BIZ004D	45.9	41.0	37.7	36.6	37.1	23.3	24.1	23.6	26.0	28.2	28.3	19.3	19.9	22.1	25.6
EVA1069D	19.4	14.2	0	19.0	18.8	10.2	0	0	0	4.8	0	7.9	9.2	0	0
ACA1076D	22.4	19.9	18.5	22.3	22.1	19.7	18.5	18.3	18.2	19.6	19.4	19.3	19.4	19.2	18.1
CAL1113D	16.7	14.6	13.0	14.3	14.2	0	0	0	0	0	0	0	0	0	0
CSN1132D	26.3	23.9	22.2	23.5	23.4	18.1	17.2	16.7	17.8	19.5	19.4	16.3	16.6	17.1	17.4
CSN1146D	25.4	22.9	21.3	23.1	23.0	18.4	17.6	16.4	17.8	19.4	19.2	16.8	17.1	17.5	17.5
UAE1153D	21.0	18.8	17.1	19.3	19.2	0	0	0	0	0	0	0	0	0	0
CSH1169D	19.3	13.5	10.7	20.1	19.8	19.0	15.2	15.0	14.3	16.0	15.7	19.1	19.2	16.7	14.2
GIA1176D	21.1	19.0	17.4	19.3	19.1	0	0	0	0	0	0	0	0	0	0
MAS1213D	35.3	32.4	29.1	22.7	23.1	11.9	12.5	12.0	14.1	16.1	16.1	0	0.2	9.4	13.8
CES1239D	26.6	24.2	22.5	23.5	23.5	17.9	17.0	16.6	17.6	19.5	19.4	16.1	16.4	16.9	17.3
BKP1281D	20.3	18.1	7.3	19.0	18.8	0	0	0	0	0	0	0	0	0	0
THA1326D	19.1	15.0	0	18.7	18.5	9.8	0	0	0	0	0	9.2	9.7	0	0
CPA2045D	26.5	23.5	22.6	29.8	29.4	27.1	25.9	25.6	25.6	27.2	27.0	25.8	26.1	26.4	25.5
CPA2046D	25.4	21.8	20.7	27.0	26.8	19.8	19.4	19.0	20.0	22.0	21.9	17.3	17.7	18.8	19.8
CPA2047D	21.4	18.7	16.6	25.2	24.8	26.5	24.6	24.5	23.5	24.5	24.2	27.0	27.0	26.2	23.4
CPA2048D	25.9	23.0	21.8	27.2	26.9	24.2	23.1	22.8	22.8	24.3	24.1	23.2	23.4	23.6	22.7
CPA2116D	25.4	23.2	21.0	18.3	18.5	6.5	6.4	3.2	10.5	12.9	12.9	0	0	0	9.8
CPA2117D	29.3	25.9	24.8	31.8	31.4	27.5	26.6	26.2	26.5	28.3	28.0	25.9	26.2	26.7	26.3
CPA2118D	26.1	23.1	22.2	29.7	29.3	27.2	25.9	25.7	25.6	27.2	26.9	26.0	26.3	26.5	25.4
CPA2119D	24.0	21.2	20.1	25.9	25.6	24.4	23.0	22.7	22.4	23.7	23.5	24.0	24.1	23.9	22.3
CPA2180D	25.8	22.9	21.7	27.2	26.9	24.5	23.3	23.0	23.0	24.5	24.3	23.6	23.8	23.8	22.8
CPA2183D	23.7	20.9	19.9	26.0	25.6	24.8	23.3	23.1	22.7	24.0	23.7	24.4	24.6	24.3	22.6
CPA2184D	22.2	19.5	18.8	27.2	26.7	28.9	26.9	26.7	25.7	26.7	26.4	29.2	29.2	28.5	25.6
HDA3002D	21.1	18.4	14.5	25.1	24.6	26.6	24.7	24.5	23.5	24.5	24.2	27.2	27.2	26.3	23.4
HDA3029D	21.9	19.1	18.2	25.0	24.6	24.5	23.0	22.8	22.2	23.4	23.2	24.4	24.5	24.1	22.1
HDA3096D	21.3	18.6	14.4	24.4	23.9	25.3	23.4	23.3	22.3	23.4	23.1	25.9	25.8	25.0	22.3
HDA3097D	23.1	20.3	19.2	25.0	24.6	24.4	22.8	22.6	22.0	23.2	23.0	24.5	24.5	24.0	21.9
HDA3098D	21.9	19.2	18.3	25.4	24.9	26.1	24.3	24.1	23.3	24.4	24.1	26.4	26.5	25.8	23.2
HDA3134D	25.0	22.1	21.2	27.9	27.5	26.2	24.9	24.6	24.4	25.8	25.5	25.4	25.6	25.6	24.2
HKE5009D	21.7	19.2	17.9	21.8	21.6	19.6	18.4	18.2	18.0	19.3	19.1	19.4	19.5	19.2	17.9
CPA6084D	31.0	28.0	26.2	26.6	26.7	18.9	18.7	18.4	19.6	21.4	21.3	16.3	16.8	18.0	19.3
AHK6180D	34.2	30.8	28.8	29.2	29.3	20.8	20.7	20.3	21.7	23.6	23.5	18.4	18.8	19.8	21.4
SIA6214D	36.3	32.0	31.1	40.0	39.7	28.1	28.4	28.0	29.9	32.4	32.3	24.5	25.0	26.9	29.5
SUM	48.0	43.7	41.3	45.1	44.9	39.7	38.5	38.3	38.5	40.2	40.0	39.0	39.1	39.1	38.3

Year 2030 - Day and Evening Time Period (Third Runway)

	NSR														
Flight ID	SLW-1	SLW-2	SLW-3	TS-1	TS-2	TC-1	TC-2	TC-3	TC-4	TC-5	TC-6	TC-7	TC-11	TC-16	TC-46
CQH1024A	14.9	12.9	11.3	11.9	11.8	0	0	0	0	0	0	0	0	0	0
AIC1043A	15.5	13.1	11.7	15.0	14.8	12.0	10.9	9.9	10.4	12.1	11.9	11.6	11.7	11.5	9.8
BAW1059A	23.4	22.5	20.2	14.8	15.1	0	0	0	0	0	0	0	0	0	0
EVA1070A	8.4	0	0	4.9	0	0	0	0	0	0	0	0	0	0	0
CCA1084A	12.5	7.2	0	12.2	11.9	3.2	0	0	0	0	0	3.2	3.2	0	0
CCA1098A	8.4	0	0	9.4	8.5	6.3	0	0	0	0	0	7.5	7.5	4.8	0
CAL1114A	14.2	12.1	8.8	11.9	11.7	0	0	0	0	0	0	0	0	0	0
UAE1154A	13.6	11.4	3.2	12.5	12.3	0	0	0	0	0	0	0	0	0	0
SWR1202A	11.1	0	0	9.5	7.4	0	0	0	0	0	0	0	0	0	0
CXA1208A	19.0	16.5	14.9	16.9	16.8	12.0	11.3	11.0	11.5	13.0	12.9	10.8	11.0	11.3	11.3
PAL1291A	14.6	12.1	10.5	14.9	14.7	12.9	11.6	11.4	11.2	12.5	12.3	12.7	12.8	12.5	11.1
VIR1356A	14.5	12.3	10.8	12.8	12.7	0	0	0	0	0	0	0	0	0	0
CPA2013A	18.1	15.3	14.3	21.5	21.1	20.0	18.6	18.4	18.1	19.5	19.2	19.3	19.5	19.4	18.0
CPA2052A	14.3	11.3	10.5	18.4	17.9	15.9	14.6	14.3	14.3	15.9	15.7	14.4	14.7	15.1	14.2
CPA2056A	19.8	16.8	15.9	23.6	23.2	21.1	19.9	19.6	19.6	21.1	20.9	19.7	20.0	20.3	19.4
CPA2057A	22.1	20.3	18.2	15.8	16.0	0	0	0	0	9.7	9.7	0	0	0	0
CPA2182A	18.5	15.6	14.5	20.7	20.3	18.3	17.1	16.8	16.7	18.2	18.0	17.5	17.7	17.7	16.6
CPA2201A	20.3	17.4	16.1	21.1	20.9	17.0	16.1	15.8	16.1	17.7	17.5	15.7	16.0	16.3	15.9
HDA3040A	21.7	18.5	17.4	23.6	23.3	19.0	18.1	17.8	18.2	20.0	19.8	17.3	17.6	18.1	18.0
HDA3076A	18.4	15.4	14.7	23.4	22.9	22.9	21.3	21.0	20.6	22.0	21.7	21.8	22.1	22.2	20.5
HDA3136A	20.4	17.5	16.1	20.3	20.1	15.9	15.1	14.8	15.1	16.7	16.6	14.7	14.9	15.2	14.9
CRK4040A	12.6	10.7	7.2	9.5	9.5	0	0	0	0	0	0	0	0	0	0
SUM	31.4	29.0	27.4	31.9	31.5	28.8	27.6	27.3	27.3	28.8	28.6	27.8	28.0	28.1	27.1

Year 2030 - Night Time Period (All Runway)

	NSR														
Flight ID	SLW-1	SLW-2	SLW-3	TS-1	TS-2	TC-1	TC-2	TC-3	TC-4	TC-5	TC-6	TC-7	TC-11	TC-16	TC-46
CCA1105A	14.6	12.1	10.9	15.0	14.7	13.0	11.7	11.5	11.3	12.6	12.4	12.8	12.9	12.6	11.2
CAL1121A	14.5	12.3	10.8	12.6	12.5	0	0	0	0	0	0	0	0	0	0
CES1250A	14.9	12.9	11.3	11.9	11.9	0	0	0	0	0	0	0	0	0	0
CES1251A	13.9	11.9	6.2	11.3	11.2	0	0	0	0	0	0	0	0	0	0
SIA1315A	17.4	14.9	13.4	16.5	16.3	12.8	11.8	11.6	11.8	13.2	13.1	12.0	12.1	12.2	11.6
TGW1343A	12.7	5.0	0	13.4	13.2	12.4	10.6	10.0	7.9	11.5	11.3	12.6	12.6	12.1	4.9
HDA3121A	13.3	10.3	0	17.3	16.9	19.4	17.4	17.2	16.1	17.0	16.7	20.3	20.2	19.2	16.0
HDA3142A	13.4	10.7	0	17.0	16.5	18.6	16.6	16.5	15.4	16.4	16.1	19.4	19.3	18.3	15.4
CRK4017A	17.3	14.8	13.3	16.4	16.2	12.7	11.8	11.5	11.7	13.1	13.0	11.9	12.1	12.1	11.5
BOX6001A	26.9	23.6	21.8	22.6	22.7	14.4	14.2	13.9	15.2	17.1	17.0	12.0	12.4	13.4	14.9
CPA6049A	22.7	19.5	19.1	31.2	30.4	26.0	25.5	25.0	25.9	28.1	27.8	22.5	23.1	24.7	25.6
CPA6065A	27.5	24.0	22.2	23.1	23.2	14.7	14.6	14.2	15.6	17.5	17.4	12.2	12.6	13.7	15.3
CRK6129A	27.6	24.2	22.3	23.0	23.1	14.5	14.4	14.1	15.4	17.3	17.3	12.1	12.5	13.6	15.2
KAL6147A	25.8	22.2	21.7	32.8	32.3	23.3	23.3	22.8	24.4	26.8	26.7	19.7	20.3	22.0	24.0
NGB6196A	25.5	22.0	21.5	32.9	32.3	23.6	23.6	23.1	24.6	27.1	26.9	20.0	20.6	22.3	24.3
CPA9999A	16.7	13.9	12.9	19.2	18.8	18.0	16.6	16.3	15.9	17.2	17.0	17.7	17.8	17.5	15.8
BIZ040A	16.5	14.5	12.8	12.7	12.7	0	0	0	0	0	0	0	0	0	0
SIA1316A	8.5	0	0	9.4	8.6	6.5	0	0	0	0	0	7.7	7.7	5.1	0
CPA6060D	27.5	25.2	23.0	20.7	20.9	10.1	10.0	8.6	12.8	15.4	15.3	0	0	7.5	12.3
CAL6028D	30.6	27.5	25.6	26.1	26.0	18.0	17.8	17.4	18.7	20.5	20.5	14.9	15.5	16.9	18.4
DLH1201D	22.6	20.9	18.7	15.7	15.9	0	0	0	0	10.6	10.5	0	0	0	0
CPA2013D	24.7	22.3	20.2	18.4	18.5	9.2	9.1	7.4	11.3	13.1	13.0	0	0	5.1	11.0
CRK4012D	22.0	19.6	18.2	21.6	21.4	19.0	17.8	17.5	17.6	18.9	18.7	18.6	18.7	18.5	17.4
CPA2061D	21.6	18.9	18.3	27.0	26.5	30.1	27.8	27.7	26.3	27.3	26.9	30.7	30.8	29.8	26.3
EVA6024D	31.7	28.2	27.7	39.0	38.4	30.7	30.4	29.9	31.1	33.5	33.3	27.4	28.0	29.5	30.8
ETH6100D	33.5	30.2	28.3	29.0	29.1	20.7	20.6	20.3	21.6	23.5	23.4	18.0	18.5	19.7	21.3
CRK4027D	23.8	21.2	19.8	23.1	22.9	19.8	18.8	18.5	18.6	20.0	19.8	19.2	19.3	19.3	18.4
THY1336D	20.5	16.2	12.7	21.4	21.1	20.0	18.6	18.4	16.5	19.3	19.0	20.1	20.1	19.6	16.0
CPA2062D	23.5	20.6	19.9	28.4	27.8	28.9	27.1	26.9	26.2	27.4	27.1	28.7	28.8	28.4	26.1
CPA6088D	31.5	28.0	27.5	39.0	38.4	31.6	31.3	30.8	32.0	34.4	34.1	28.0	28.6	30.3	31.7
CPA2200D	27.5	24.5	23.3	28.2	27.9	23.8	22.9	22.6	23.0	24.6	24.5	22.4	22.6	23.1	22.8
KLM1197D	21.6	19.6	17.9	18.9	18.8	0	0	0	0	3.3	3.2	0	0	0	0
CRK4028D	20.7	16.6	13.2	21.6	21.3	20.2	18.8	18.6	18.2	19.4	19.2	20.2	20.3	19.8	18.1
BIZ041D	25.6	23.4	21.6	21.6	21.6	11.0	8.1	5.0	11.7	14.7	14.6	0	0	6.2	10.5
AFR1040D	23.1	20.7	19.2	21.6	21.5	17.6	16.1	12.3	16.1	18.2	18.0	16.7	16.9	17.0	15.4
BAW1057D	30.6	27.3	26.0	31.5	31.2	25.0	24.5	24.1	25.0	26.9	26.7	22.8	23.2	24.1	24.7
QFA1298D	29.1	26.1	24.6	28.2	28.0	22.5	21.9	21.6	22.2	23.9	23.8	20.8	21.1	21.7	22.0
VIR1357D	23.4	20.9	19.5	22.2	22.0	18.6	17.6	16.7	17.2	19.0	18.8	17.9	18.0	18.0	16.7
CPA2063D	25.8	22.7	22.0	30.2	29.7	28.9	27.5	27.2	26.9	28.4	28.1	27.9	28.1	28.3	8.5
CPA2140D	20.7	17.9	12.8	24.2	23.7	25.5	23.6	23.4	22.4	23.4	23.1	26.2	26.2	25.2	22.4
AFR6018D	35.1	31.3	30.7	42.3	42.0	28.6	29.1	28.6	30.8	33.4	33.4	24.7	25.3	27.3	30.4
CLX6036D	32.7	29.0	28.5	39.5	38.9	30.3	30.3	29.8	31.3	33.7	33.6	26.7	27.3	29.1	31.0
CKS6153D	32.2	28.4	27.8	38.5	38.1	26.6	26.9	26.4	28.4	30.9	30.8	22.9	23.4	25.3	28.0
SUM	43.4	40.1	38.9	48.0	47.5	40.2	39.6	39.1	40.1	42.2	42.1	38.4	38.7	39.3	39.6

Year 2030 - Night Time Period (Third Runway)

	NSR														
Flight ID	SLW-1	SLW-2	SLW-3	TS-1	TS-2	TC-1	TC-2	TC-3	TC-4	TC-5	TC-6	TC-7	TC-11	TC-16	TC-46
CCA1105A	14.6	12.1	10.9	15.0	14.7	13.0	11.7	11.5	11.3	12.6	12.4	12.8	12.9	12.6	11.2
CAL1121A	14.5	12.3	10.8	12.6	12.5	0	0	0	0	0	0	0	0	0	0
CES1250A	14.9	12.9	11.3	11.9	11.9	0	0	0	0	0	0	0	0	0	0
CES1251A	13.9	11.9	6.2	11.3	11.2	0	0	0	0	0	0	0	0	0	0
SIA1315A	17.4	14.9	13.4	16.5	16.3	12.8	11.8	11.6	11.8	13.2	13.1	12.0	12.1	12.2	11.6
TGW1343A	12.7	5.0	0	13.4	13.2	12.4	10.6	10.0	7.9	11.5	11.3	12.6	12.6	12.1	4.9
HDA3121A	13.3	10.3	0	17.3	16.9	19.4	17.4	17.2	16.1	17.0	16.7	20.3	20.2	19.2	16.0
HDA3142A	13.4	10.7	0	17.0	16.5	18.6	16.6	16.5	15.4	16.4	16.1	19.4	19.3	18.3	15.4
CRK4017A	17.3	14.8	13.3	16.4	16.2	12.7	11.8	11.5	11.7	13.1	13.0	11.9	12.1	12.1	11.5
BOX6001A	26.9	23.6	21.8	22.6	22.7	14.4	14.2	13.9	15.2	17.1	17.0	12.0	12.4	13.4	14.9
CPA6049A	22.7	19.5	19.1	31.2	30.4	26.0	25.5	25.0	25.9	28.1	27.8	22.5	23.1	24.7	25.6
CPA6065A	27.5	24.0	22.2	23.1	23.2	14.7	14.6	14.2	15.6	17.5	17.4	12.2	12.6	13.7	15.3
CRK6129A	27.6	24.2	22.3	23.0	23.1	14.5	14.4	14.1	15.4	17.3	17.3	12.1	12.5	13.6	15.2
KAL6147A	25.8	22.2	21.7	32.8	32.3	23.3	23.3	22.8	24.4	26.8	26.7	19.7	20.3	22.0	24.0
NGB6196A	25.5	22.0	21.5	32.9	32.3	23.6	23.6	23.1	24.6	27.1	26.9	20.0	20.6	22.3	24.3
CPA9999A	16.7	13.9	12.9	19.2	18.8	18.0	16.6	16.3	15.9	17.2	17.0	17.7	17.8	17.5	15.8
BIZ040A	16.5	14.5	12.8	12.7	12.7	0	0	0	0	0	0	0	0	0	0
SIA1316A	8.5	0	0	9.4	8.6	6.5	0	0	0	0	0	7.7	7.7	5.1	0
SUM	34.7	31.4	29.9	37.9	37.4	30.9	30.4	29.9	30.9	33.1	32.9	28.8	29.1	29.9	30.6

Year 2032 - Day and Evening Time Period (All Runway)

	NSR														
Flight ID	SLW-1	SLW-2	SLW-3	TS-1	TS-2	TC-1	TC-2	TC-3	TC-4	TC-5	TC-6	TC-7	TC-11	TC-16	TC-46
CQH1028A	14.9	12.9	11.3	11.9	11.9	0	0	0	0	0	0	0	0	0	0
CCA1099A	11.3	0	0	10.3	9.1	0	0	0	0	0	0	0	0	0	0
CAL1115A	14.1	12.0	8.8	11.8	11.7	0	0	0	0	0	0	0	0	0	0
UAE1158A	14.6	12.3	10.8	12.8	12.7	0	0	0	0	0	0	0	0	0	0
SWR1214A	12.9	10.0	0	11.8	11.6	0	0	0	0	0	0	0	0	0	0
BKP1293A	14.7	12.3	11.0	14.9	14.6	12.7	11.5	11.3	10.7	12.4	12.2	12.5	12.6	12.3	10.6
PAL1298A	14.6	12.1	10.5	14.9	14.6	12.9	11.6	11.4	11.2	12.5	12.3	12.7	12.8	12.5	11.1
AFL1338A	16.1	13.7	12.2	15.1	14.9	11.8	10.4	9.2	9.8	12.0	11.8	11.1	11.3	11.2	9.2
ALK1368A	22.2	19.1	17.7	21.7	21.6	16.3	15.6	15.3	15.9	17.6	17.5	14.6	14.9	15.5	15.7
VIR1374A	14.0	11.7	6.3	12.7	12.6	0	0	0	0	0	0	0	0	0	0
CPA2021A	14.8	12.1	11.5	20.6	20.0	24.1	21.8	21.7	20.2	21.1	20.8	24.7	24.8	23.8	20.2
CPA2023A	20.3	17.2	16.4	24.3	23.8	21.5	20.3	20.0	20.1	21.7	21.5	19.9	20.2	20.6	19.9
CPA2101A	14.5	11.8	11.2	20.1	19.5	23.6	21.2	21.1	19.7	20.5	20.2	24.3	24.3	23.3	19.6
CPA2102A	17.5	14.6	13.9	22.3	21.8	22.4	20.7	20.4	19.8	21.1	20.8	21.7	21.9	21.8	19.7
CPA2103A	20.1	17.1	16.2	23.6	23.2	20.7	19.6	19.3	19.4	21.0	20.7	19.3	19.6	20.0	19.2
CPA2104A	14.8	12.1	11.3	18.6	18.2	19.7	17.9	17.7	16.8	17.8	17.6	20.1	20.2	19.4	16.7
CPA2158A	18.3	15.4	14.7	23.4	22.8	22.8	21.3	21.0	20.6	22.0	21.7	21.8	22.1	22.2	20.5
CPA2182A	18.3	15.5	14.5	21.1	20.7	19.1	17.8	17.5	17.4	18.8	18.6	18.3	18.5	18.5	17.2
CPA2183A	17.9	15.0	14.3	22.8	22.2	22.6	21.0	20.7	20.2	21.5	21.2	21.8	22.0	21.9	20.1
CPA2184A	14.3	11.6	10.8	18.4	17.9	20.1	18.1	18.0	16.9	17.9	17.6	20.7	20.7	19.8	16.9
CPA2201A	14.0	11.4	10.8	19.4	18.9	22.5	20.3	20.2	18.8	19.7	19.3	23.3	23.3	22.3	18.8
HDA3026A	18.2	15.4	14.4	21.2	20.8	19.5	18.1	17.9	17.6	19.1	18.8	18.7	18.9	18.9	17.5
HDA3027A	19.4	16.4	15.6	24.3	23.8	22.9	21.5	21.2	21.0	22.5	22.2	21.5	21.8	22.1	20.8
HDA3071A	17.3	14.5	13.7	22.1	21.6	22.4	20.6	20.4	19.8	21.1	20.8	21.8	22.0	21.8	19.7
HDA3085A	17.1	14.3	13.5	21.8	21.3	22.1	20.4	20.1	19.5	20.7	20.4	21.6	21.8	21.5	19.4
HDA3123A	13.2	9.8	0	16.9	16.4	18.6	16.6	16.5	15.4	16.3	16.0	19.4	19.4	18.4	15.3
CPA6042A	25.9	22.8	20.9	21.5	21.5	13.7	13.5	13.1	14.3	16.2	16.1	11.5	11.8	12.8	14.1
FDX6102A	21.1	18.1	17.7	29.4	28.6	26.8	25.9	25.4	25.7	27.7	27.4	23.7	24.3	25.6	25.5
CRK6139A	22.9	19.7	19.3	31.1	30.4	25.6	25.1	24.7	25.6	27.8	27.6	22.2	22.8	24.4	25.3
SIA6228A	27.7	24.2	22.4	23.4	23.4	14.8	14.7	14.3	15.7	17.6	17.6	12.3	12.7	13.8	15.4
THY6235A	28.5	24.6	24.1	35.2	34.9	22.1	22.6	22.1	24.2	26.8	26.7	18.2	18.8	20.8	23.8
ACA1036D	22.0	19.6	18.2	21.6	21.4	19.0	17.8	17.5	17.6	18.9	18.7	18.6	18.7	18.5	17.4
AXM1051D	23.6	21.1	19.6	22.2	22.1	18.5	17.5	16.6	17.2	18.9	18.8	17.8	17.9	17.9	16.7
EVA1074D	14.9	0	0	15.5	15.0	14.0	0	0	0	12.9	9.6	14.2	14.2	13.6	0
CAL1114D	21.5	19.5	17.8	18.7	18.7	0	0	0	0	0	0	0	0	0	0
CSN1147D	22.8	20.3	18.7	20.9	20.8	16.3	15.5	15.3	15.7	17.2	17.1	15.3	15.4	15.7	15.5
UAE1162D	20.5	18.0	16.6	19.1	19.0	15.4	13.2	0	13.2	15.8	15.7	14.3	14.8	14.8	12.1
CSH1174D	13.8	0	0	14.4	13.9	13.2	0	0	0	0	0	13.6	13.5	0	0
GIA1183D	24.2	21.7	20.2	22.5	22.3	18.4	17.2	16.2	17.1	19.0	18.8	17.2	17.5	17.8	16.5
MAS1222D	35.8	31.7	29.7	32.3	32.3	25.3	24.9	24.5	25.4	27.4	27.2	23.0	23.4	24.4	25.2
CES1248D	21.9	19.8	18.2	19.0	19.0	0	0	0	0	0	0	0	0	0	0
CES1249D	21.3	19.1	17.4	19.2	19.1	0	0	0	0	0	0	0	0	0	0
BKP1292D	19.1	15.4	0	18.6	18.2	6.1	0	0	0	0	0	3.3	3.3	0	0
SIA1327D	21.5	19.0	17.6	20.4	20.3	16.7	15.7	15.5	15.7	17.1	17.0	15.9	16.1	16.1	15.5
THA1340D	22.5	20.1	18.7	21.8	21.6	18.7	17.6	17.2	17.4	18.8	18.6	18.2	18.3	18.2	16.9
CPA2017D	17.0	14.3	13.3	19.8	19.4	19.1	17.6	17.4	16.9	18.1	17.9	18.9	19.0	18.6	16.8
CPA2018D	26.1	23.3	22.0	27.2	26.9	24.1	23.0	22.7	22.8	24.3	24.1	23.2	23.4	23.5	22.6
CPA2019D	23.4	20.7	19.6	26.0	25.6	25.2	23.6	23.4	22.9	24.2	24.0	24.9	25.0	24.7	22.8
CPA2020D	13.1	10.5	0	17.4	16.9	19.7	17.6	17.5	16.3	17.2	16.9	20.6	20.5	19.5	16.2
CPA2091D	22.8	20.0	19.4	28.3	27.8	30.3	28.2	28.0	26.9	28.0	27.7	30.6	30.7	29.9	26.8
CPA2092D	22.7	19.9	19.0	26.3	25.8	26.4	24.7	24.5	23.8	25.0	24.7	26.3	26.4	25.9	23.7
CPA2093D	25.6	22.6	21.9	30.4	29.9	29.2	27.7	27.5	27.1	28.6	28.3	28.1	28.4	28.5	27.0
CPA2094D	21.8	19.1	18.4	26.7	26.1	28.6	26.6	26.5	25.3	26.4	26.0	29.0	29.1	28.3	25.3
CPA2095D	23.4	20.6	19.9	28.4	27.9	29.2	27.4	27.2	26.4	27.6	27.3	28.9	29.0	28.7	26.3
CPA2157D	21.4	18.7	16.6	25.2	24.8	26.5	24.6	24.5	23.5	24.5	24.2	27.0	27.0	26.2	23.4
CPA2172D	22.7	20.0	19.0	26.0	25.5	25.9	24.2	24.1	23.4	24.6	24.3	25.9	26.0	25.5	23.3
CPA2197D	21.0	17.8	13.9	24.1	23.7	25.1	23.2	23.1	22.1	23.2	22.9	25.8	25.7	24.8	22.1
HDA3021D	14.0	11.3	10.6	18.9	18.4	21.5	19.4	19.2	18.0	18.9	18.6	22.2	22.2	21.2	17.9
HDA3121D	23.1	20.3	19.2	25.0	24.6	24.4	22.8	22.6	22.0	23.2	23.0	24.5	24.5	24.0	21.9
HDA3165D	20.7	18.0	13.5	24.5	24.0	25.9	24.0	23.9	22.8	23.8	23.5	26.6	26.5	25.6	22.8
HDA3166D	21.5	18.8	15.9	25.2	24.7	26.3	24.4	24.2	23.3	24.3	24.1	26.7	26.7	25.9	23.2
HDA3167D	21.6	18.9	18.0	24.9	24.5	25.8	24.0	23.8	22.9	24.0	23.7	26.2	26.2	25.5	22.8
HDA3176D	22.0	19.3	18.4	25.5	25.0	26.1	24.3	24.1	23.3	24.4	24.1	26.3	26.4	25.7	23.2
HKE5010D	21.6	19.1	17.8	21.9	21.7	19.9	18.7	18.5	18.2	19.5	19.3	19.8	19.8	19.5	18.1
AHK6183D	34.2	30.8	28.8	29.2	29.3	20.8	20.7	20.3	21.7	23.6	23.5	18.4	18.8	19.8	21.4
SUM	41.7	38.4	36.9	42.9	42.6	41.0	39.4	39.1	38.7	40.2	39.9	40.7	40.8	40.4	38.6

Year 2032 - Day and Evening Time Period (Third Runway)

	NSR														
Flight ID	SLW-1	SLW-2	SLW-3	TS-1	TS-2	TC-1	TC-2	TC-3	TC-4	TC-5	TC-6	TC-7	TC-11	TC-16	TC-46
CQH1028A	14.9	12.9	11.3	11.9	11.9	0	0	0	0	0	0	0	0	0	0
CCA1099A	11.3	0	0	10.3	9.1	0	0	0	0	0	0	0	0	0	0
CAL1115A	14.1	12.0	8.8	11.8	11.7	0	0	0	0	0	0	0	0	0	0
UAE1158A	14.6	12.3	10.8	12.8	12.7	0	0	0	0	0	0	0	0	0	0
SWR1214A	12.9	10.0	0	11.8	11.6	0	0	0	0	0	0	0	0	0	0
BKP1293A	14.7	12.3	11.0	14.9	14.6	12.7	11.5	11.3	10.7	12.4	12.2	12.5	12.6	12.3	10.6
PAL1298A	14.6	12.1	10.5	14.9	14.6	12.9	11.6	11.4	11.2	12.5	12.3	12.7	12.8	12.5	11.1
AFL1338A	16.1	13.7	12.2	15.1	14.9	11.8	10.4	9.2	9.8	12.0	11.8	11.1	11.3	11.2	9.2
VIR1374A	14.0	11.7	6.3	12.7	12.6	0	0	0	0	0	0	0	0	0	0
CPA2021A	14.8	12.1	11.5	20.6	20.0	24.1	21.8	21.7	20.2	21.1	20.8	24.7	24.8	23.8	20.2
CPA2101A	14.5	11.8	11.2	20.1	19.5	23.6	21.2	21.1	19.7	20.5	20.2	24.3	24.3	23.3	19.6
CPA2102A	17.5	14.6	13.9	22.3	21.8	22.4	20.7	20.4	19.8	21.1	20.8	21.7	21.9	21.8	19.7
CPA2103A	20.1	17.1	16.2	23.6	23.2	20.7	19.6	19.3	19.4	21.0	20.7	19.3	19.6	20.0	19.2
CPA2158A	18.3	15.4	14.7	23.4	22.8	22.8	21.3	21.0	20.6	22.0	21.7	21.8	22.1	22.2	20.5
CPA2182A	18.3	15.5	14.5	21.1	20.7	19.1	17.8	17.5	17.4	18.8	18.6	18.3	18.5	18.5	17.2
CPA2183A	17.9	15.0	14.3	22.8	22.2	22.6	21.0	20.7	20.2	21.5	21.2	21.8	22.0	21.9	20.1
HDA3026A	18.2	15.4	14.4	21.2	20.8	19.5	18.1	17.9	17.6	19.1	18.8	18.7	18.9	18.9	17.5
HDA3027A	19.4	16.4	15.6	24.3	23.8	22.9	21.5	21.2	21.0	22.5	22.2	21.5	21.8	22.1	20.8
HDA3071A	17.3	14.5	13.7	22.1	21.6	22.4	20.6	20.4	19.8	21.1	20.8	21.8	22.0	21.8	19.7
HDA3085A	17.1	14.3	13.5	21.8	21.3	22.1	20.4	20.1	19.5	20.7	20.4	21.6	21.8	21.5	19.4
SUM	29.6	26.8	25.7	33.1	32.7	32.8	31.1	30.9	30.2	31.6	31.3	32.4	32.5	32.3	30.1

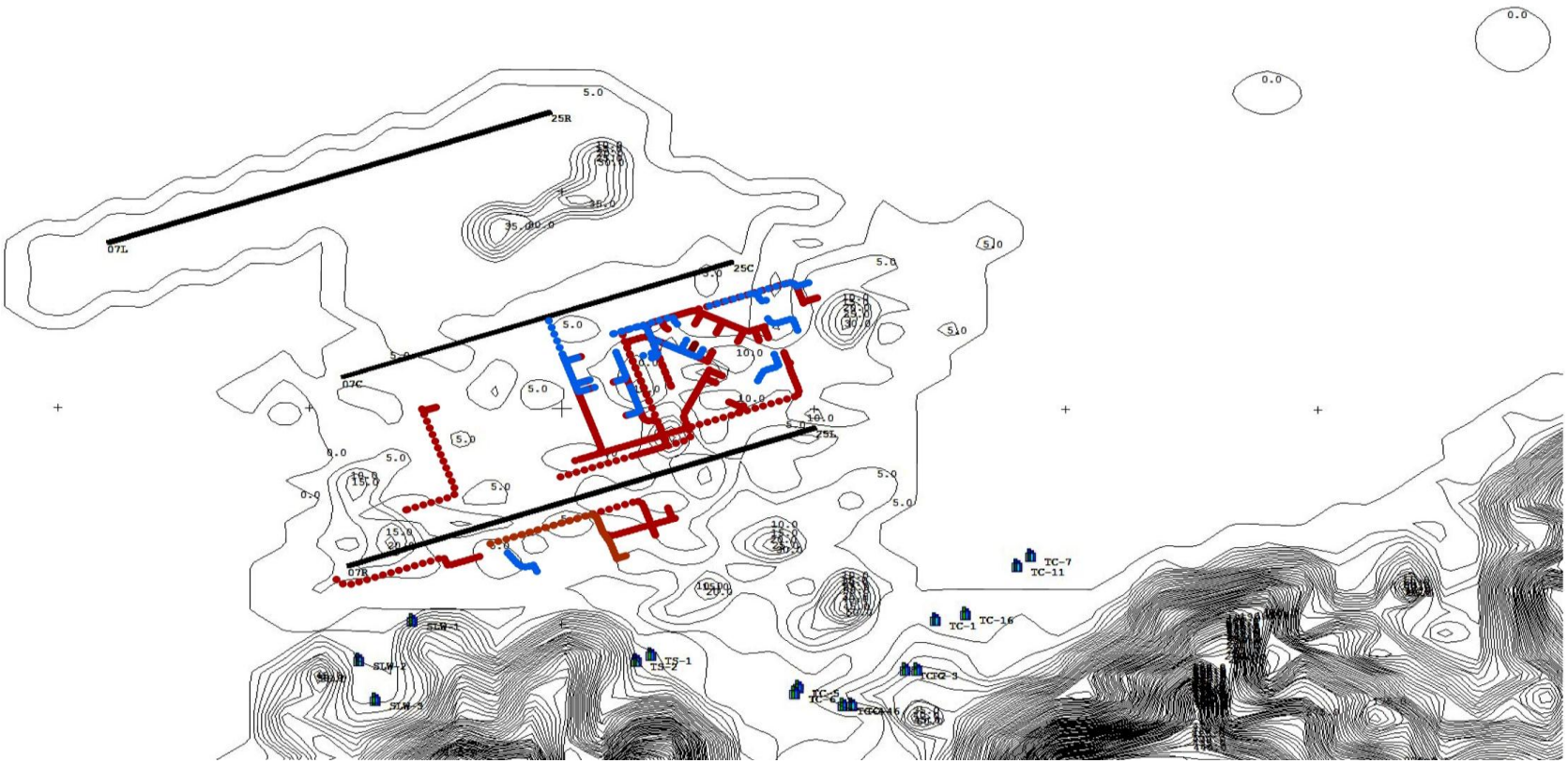
Year 2032 - Night Time Period (All Runway)

	NSR														
Flight ID	SLW-1	SLW-2	SLW-3	TS-1	TS-2	TC-1	TC-2	TC-3	TC-4	TC-5	TC-6	TC-7	TC-11	TC-16	TC-46
BIZ030A	14.4	12.4	10.7	10.7	10.6	0	0	0	0	0	0	0	0	0	0
BIZ032A	16.9	14.9	13.2	13.1	13.1	0	0	0	0	0	0	0	0	0	0
CCA1106A	12.6	6.3	0	13.1	12.9	11.9	8.2	7.3	0.0	10.7	9.7	12.1	12.1	11.5	0
CAL1124A	14.4	12.3	10.8	12.6	12.4	0	0	0	0	0	0	0	0	0	0
CES1261A	14.9	12.9	11.3	11.9	11.9	0	0	0	0	0	0	0	0	0	0
CES1262A	18.2	15.7	14.1	16.3	16.2	11.9	11.1	10.4	11.2	12.7	12.5	10.5	11.0	11.2	11.0
SIA1330A	19.4	17.0	15.3	16.9	16.8	11.7	10.7	9.0	11.3	12.9	12.8	7.5	8.4	10.3	11.1
TGW1357A	14.7	12.2	11.0	15.5	15.3	13.9	12.5	12.3	12.0	13.3	13.1	13.8	13.8	13.5	11.9
CPA2135A	22.7	19.5	18.2	22.5	22.3	16.8	16.1	15.8	16.5	18.2	18.1	15.0	15.3	16.0	16.3
HDA3047A	16.1	13.4	12.4	19.2	18.8	18.8	17.2	17.0	16.4	17.6	17.4	18.6	18.7	18.3	16.3
HDA3147A	18.5	15.5	14.6	22.1	21.6	20.5	19.1	18.9	18.6	20.1	19.8	19.6	19.8	19.9	18.5
HDA3148A	14.8	12.1	11.5	20.6	20.0	24.1	21.8	21.6	20.2	21.1	20.7	24.7	24.8	23.8	20.2
HDA3185A	18.6	15.7	14.6	20.4	20.0	17.7	16.5	16.2	16.2	17.7	17.5	16.8	17.0	17.1	16.1
CRK4021A	18.4	16.1	14.4	15.5	15.4	8.1	0	0	6.1	11.6	11.5	0	0	0	0
BOX6001A	26.0	22.6	21.0	23.5	23.5	15.7	15.5	15.1	16.3	18.2	18.1	13.4	13.8	14.8	16.0
CPA6090A	25.2	22.2	20.3	20.8	20.9	13.2	13.0	12.7	13.8	15.6	15.6	11.1	11.5	12.4	13.6
CRK6128A	25.8	22.2	21.7	32.7	32.2	23.2	23.2	22.8	24.3	26.8	26.6	19.7	20.2	22.0	24.0
CRK6144A	26.0	23.4	21.3	19.8	19.9	11.6	11.6	10.5	12.5	14.3	14.3	0	3.1	9.2	12.3
KAL6164A	24.8	21.4	20.9	32.6	31.9	24.3	24.1	23.6	25.0	27.4	27.3	20.6	21.2	23.0	24.7
CPA9999A	15.2	12.5	12.0	21.2	20.6	24.5	22.2	22.0	20.7	21.6	21.3	24.9	25.0	24.1	20.6
BAW1063D	30.9	28.1	26.2	27.3	27.3	20.2	19.8	19.4	20.6	22.4	22.3	17.7	18.1	19.2	20.4
KLM1208D	24.2	21.9	20.2	21.5	21.4	11.9	9.9	8.0	11.0	14.8	14.7	0	3.1	9.8	10.1
QFA1309D	26.4	23.3	22.4	29.7	29.2	27.2	25.9	25.7	25.6	27.2	26.9	26.0	26.2	26.5	25.5
THY1352D	20.2	15.6	11.3	21.1	20.8	19.8	18.4	18.2	15.0	19.0	18.8	19.9	19.9	19.4	14.6
VIR1374D	21.0	18.8	17.2	19.3	19.2	0	0	0	0	0	0	0	0	0	0
CPA2124D	27.6	24.7	23.3	27.5	27.2	23.0	22.1	21.8	22.2	23.8	23.7	21.6	21.9	22.3	22.0
CPA2125D	29.1	26.1	24.6	28.1	28.0	22.5	21.9	21.5	22.2	23.9	23.8	20.8	21.1	21.7	22.0
CPA2126D	29.0	26.1	24.5	27.8	27.6	22.1	21.5	21.2	21.8	23.6	23.4	20.4	20.7	21.3	21.6
CRK4017D	24.3	21.7	20.2	23.4	23.2	20.0	18.9	18.7	18.8	20.2	20.1	19.2	19.4	19.4	18.6
CRK4018D	23.5	21.0	19.5	22.3	22.1	18.7	17.7	17.3	17.6	19.1	18.9	18.0	18.1	18.1	17.5
CRK4019D	25.3	22.8	21.2	23.4	23.3	19.0	18.1	17.7	18.3	19.8	19.6	17.6	17.9	18.2	18.1
EVA6021D	32.6	30.1	27.9	26.3	26.5	17.3	17.2	16.7	19.1	20.9	20.9	0	7.1	16.0	18.8
ETH6100D	33.7	30.0	29.3	39.8	39.3	29.4	29.5	29.0	30.7	33.2	33.1	25.7	26.3	28.1	30.4
BIZ033D	25.6	23.4	21.6	21.6	21.6	11.0	8.1	5.0	11.7	14.7	14.6	0	0	6.2	10.5
AFR1045D	15.9	13.7	12.1	13.9	13.1	0	0	0	0	0	0	0	0	0	0
CPA2127D	22.2	19.5	18.8	27.2	26.7	28.9	26.9	26.7	25.7	26.7	26.4	29.2	29.2	28.5	25.6
CPA2177D	21.6	18.9	18.3	27.0	26.5	30.1	27.8	27.7	26.3	27.3	26.9	30.7	30.8	29.8	26.3
AFR6018D	32.4	29.5	27.5	27.6	27.7	19.6	19.4	18.9	20.5	22.3	22.3	16.8	17.2	18.5	20.2
CPA6039D	28.0	24.9	24.5	36.3	35.5	33.2	32.3	31.9	32.2	34.3	33.9	30.4	30.9	32.1	32.0
CLX6056D	34.0	30.2	29.5	39.8	39.3	29.0	29.2	28.7	30.5	32.9	32.8	25.4	26.0	27.8	30.1
CKS6155D	26.5	23.6	23.2	34.7	33.9	34.1	32.8	32.4	32.2	34.0	33.6	31.5	32.0	33.0	32.1
SUM	42.6	39.5	38.2	45.8	45.3	40.5	39.5	39.1	39.5	41.5	41.3	38.8	39.1	39.6	39.3

Year 2032 - Night Time Period (Third Runway)

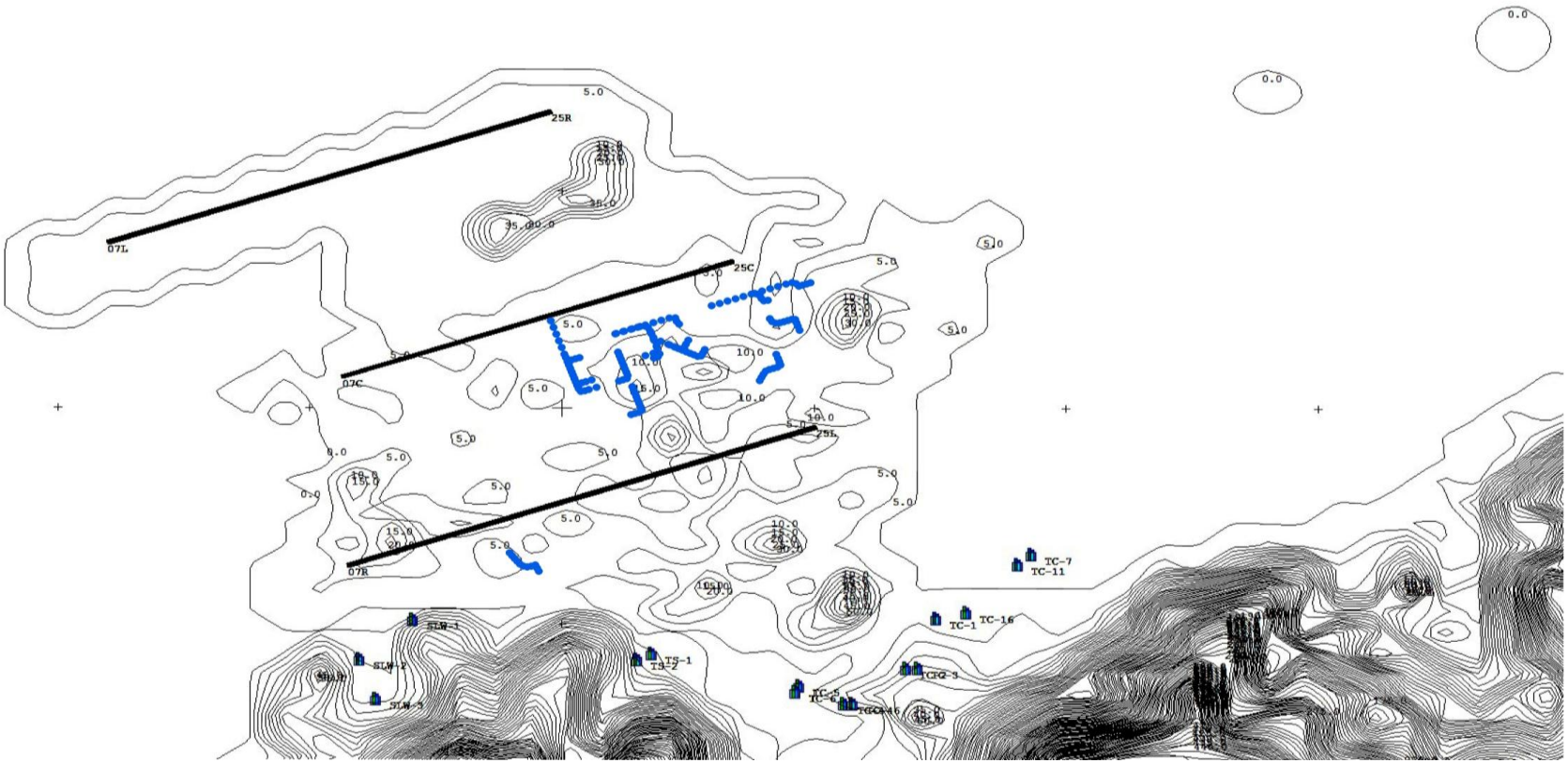
	NSR														
Flight ID	SLW-1	SLW-2	SLW-3	TS-1	TS-2	TC-1	TC-2	TC-3	TC-4	TC-5	TC-6	TC-7	TC-11	TC-16	TC-46
BIZ030A	14.4	12.4	10.7	10.7	10.6	0	0	0	0	0	0	0	0	0	0
BIZ032A	16.9	14.9	13.2	13.1	13.1	0	0	0	0	0	0	0	0	0	0
CCA1106A	12.6	6.3	0	13.1	12.9	11.9	8.2	7.3	0.0	10.7	9.7	12.1	12.1	11.5	0
CAL1124A	14.4	12.3	10.8	12.6	12.4	0	0	0	0	0	0	0	0	0	0
CES1261A	14.9	12.9	11.3	11.9	11.9	0	0	0	0	0	0	0	0	0	0
CES1262A	18.2	15.7	14.1	16.3	16.2	11.9	11.1	10.4	11.2	12.7	12.5	10.5	11.0	11.2	11.0
SIA1330A	19.4	17.0	15.3	16.9	16.8	11.7	10.7	9.0	11.3	12.9	12.8	7.5	8.4	10.3	11.1
TGW1357A	14.7	12.2	11.0	15.5	15.3	13.9	12.5	12.3	12.0	13.3	13.1	13.8	13.8	13.5	11.9
CPA2135A	22.7	19.5	18.2	22.5	22.3	16.8	16.1	15.8	16.5	18.2	18.1	15.0	15.3	16.0	16.3
HDA3047A	16.1	13.4	12.4	19.2	18.8	18.8	17.2	17.0	16.4	17.6	17.4	18.6	18.7	18.3	16.3
HDA3147A	18.5	15.5	14.6	22.1	21.6	20.5	19.1	18.9	18.6	20.1	19.8	19.6	19.8	19.9	18.5
HDA3148A	14.8	12.1	11.5	20.6	20.0	24.1	21.8	21.6	20.2	21.1	20.7	24.7	24.8	23.8	20.2
HDA3185A	18.6	15.7	14.6	20.4	20.0	17.7	16.5	16.2	16.2	17.7	17.5	16.8	17.0	17.1	16.1
CRK4021A	18.4	16.1	14.4	15.5	15.4	8.1	0	0	6.1	11.6	11.5	0	0	0	0
BOX6001A	26.0	22.6	21.0	23.5	23.5	15.7	15.5	15.1	16.3	18.2	18.1	13.4	13.8	14.8	16.0
CPA6090A	25.2	22.2	20.3	20.8	20.9	13.2	13.0	12.7	13.8	15.6	15.6	11.1	11.5	12.4	13.6
CRK6128A	25.8	22.2	21.7	32.7	32.2	23.2	23.2	22.8	24.3	26.8	26.6	19.7	20.2	22.0	24.0
CRK6144A	26.0	23.4	21.3	19.8	19.9	11.6	11.6	10.5	12.5	14.3	14.3	0	3.1	9.2	12.3
KAL6164A	24.8	21.4	20.9	32.6	31.9	24.3	24.1	23.6	25.0	27.4	27.3	20.6	21.2	23.0	24.7
CPA9999A	15.2	12.5	12.0	21.2	20.6	24.5	22.2	22.0	20.7	21.6	21.3	24.9	25.0	24.1	20.6
SUM	34.2	31.2	29.9	37.1	36.6	31.7	30.5	30.2	30.6	32.6	32.4	30.6	30.8	30.9	30.4

Aircraft (or APU) Taxiways during Day & Evening Time Period at Year 2021 (All Runway)



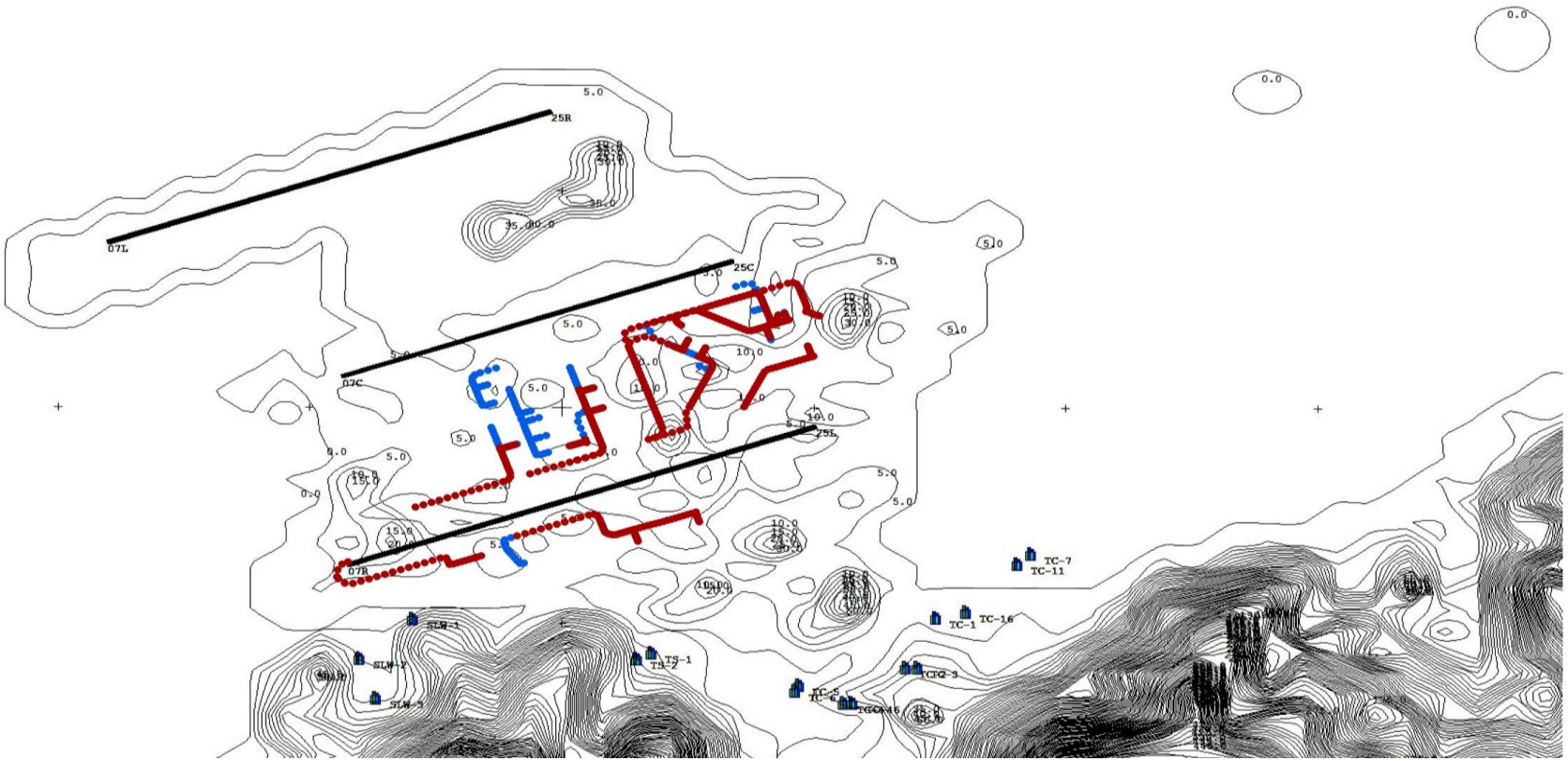
Remark: Flight ID in the maps and locations of segments can be identified under **2021 Day (All) (Shapefile Format)**.

Aircraft (or APU) Taxiways during Day & Evening Time Period at Year 2021 (Third Runway)



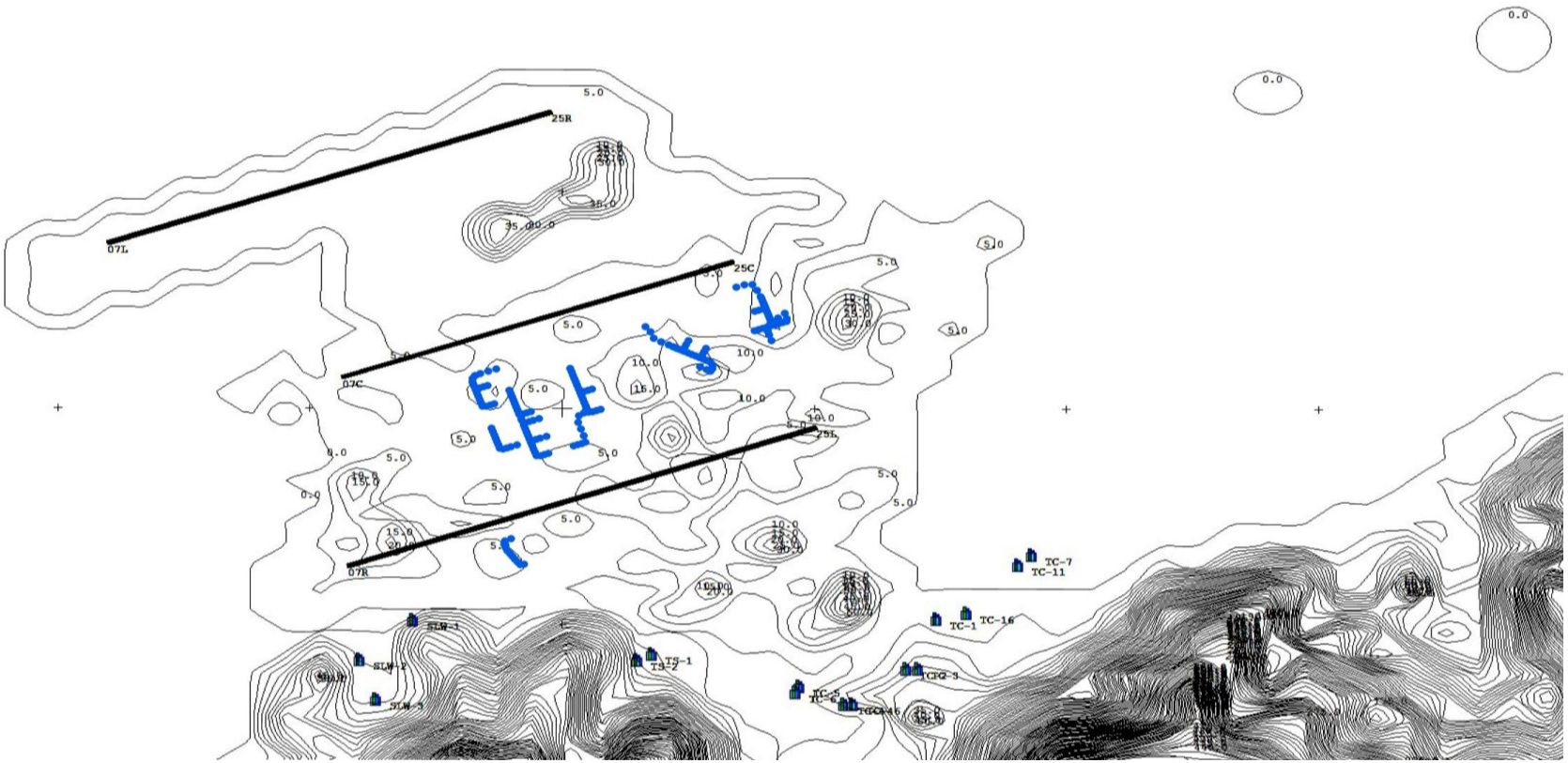
Remark: Flight ID in the maps and locations of segments can be identified under **2021 Day (Third) (Shapefile Format)**.

Aircraft (or APU) Taxiways during Night Time Period at Year 2021 (All Runway)



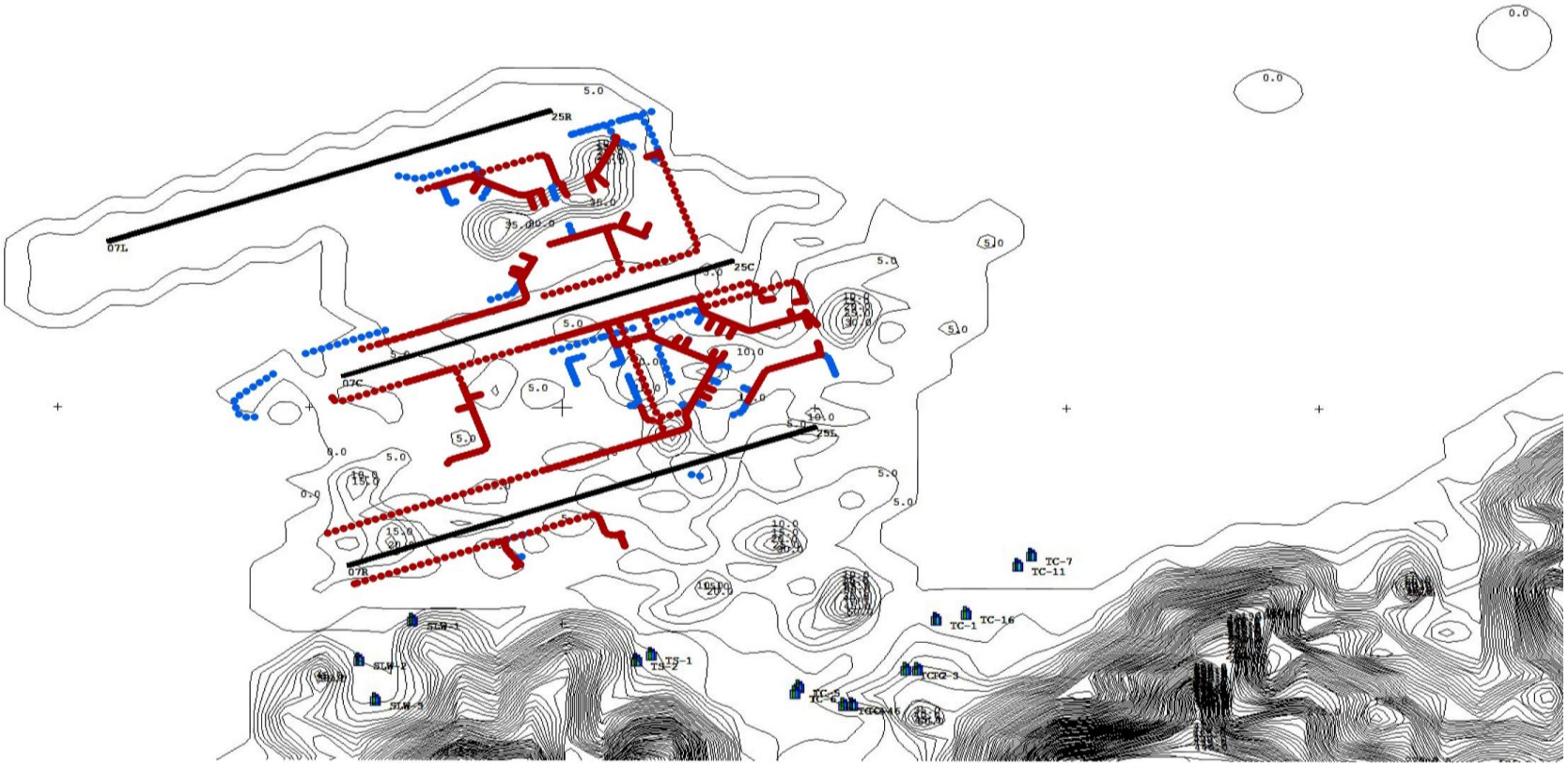
Remark: Flight ID in the maps and locations of segments can be identified under **2021 Night (All) (Shapefile Format)**.

Aircraft (or APU) Taxiways during Night Time Period at Year 2021 (Third Runway)



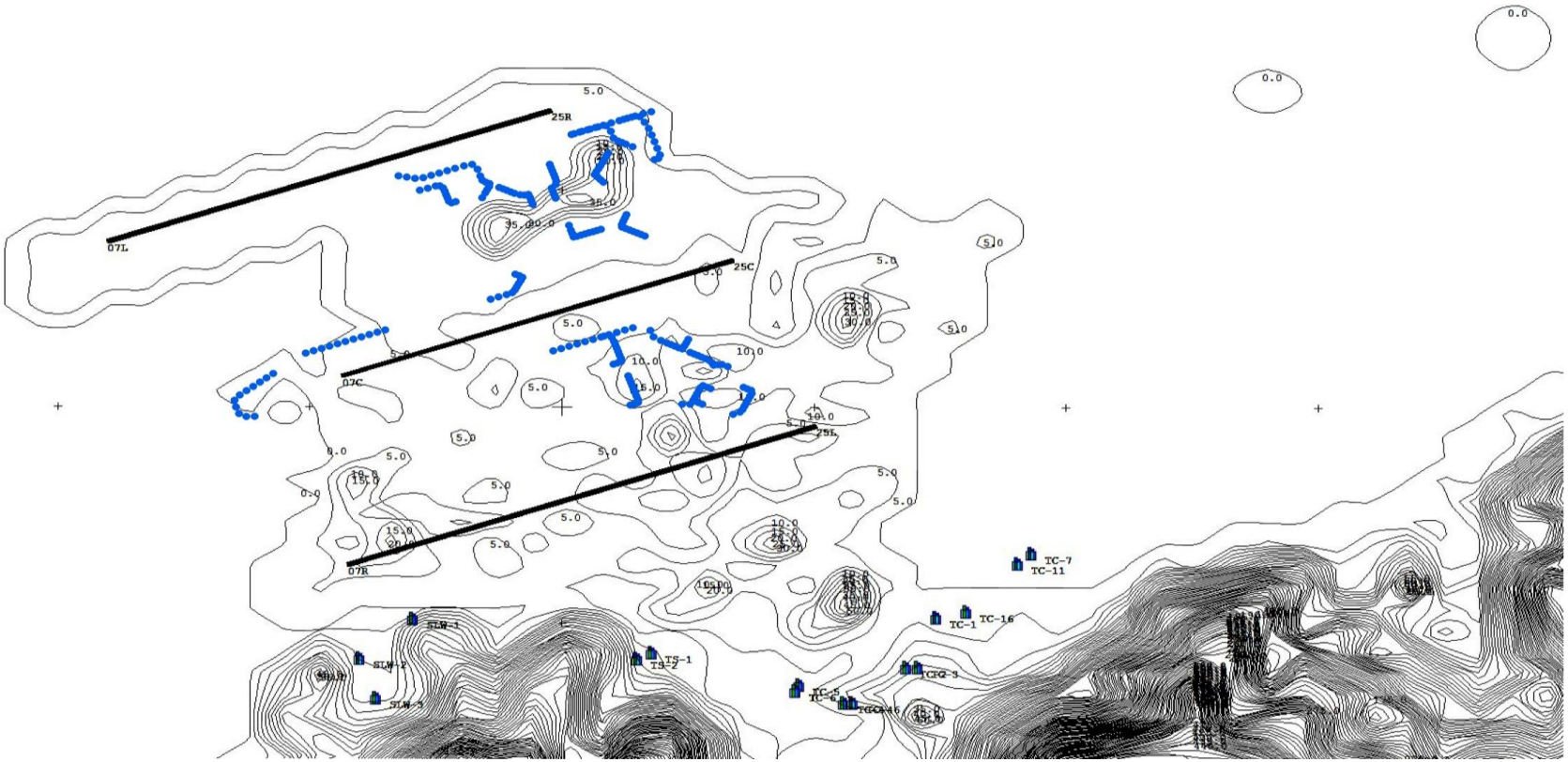
Remark: Flight ID in the maps and locations of segments can be identified under **2021 Night (Third) (Shapefile Format)**.

Aircraft (or APU) Taxiways during Day & Evening Time Period at Year 2030 (All Runway)



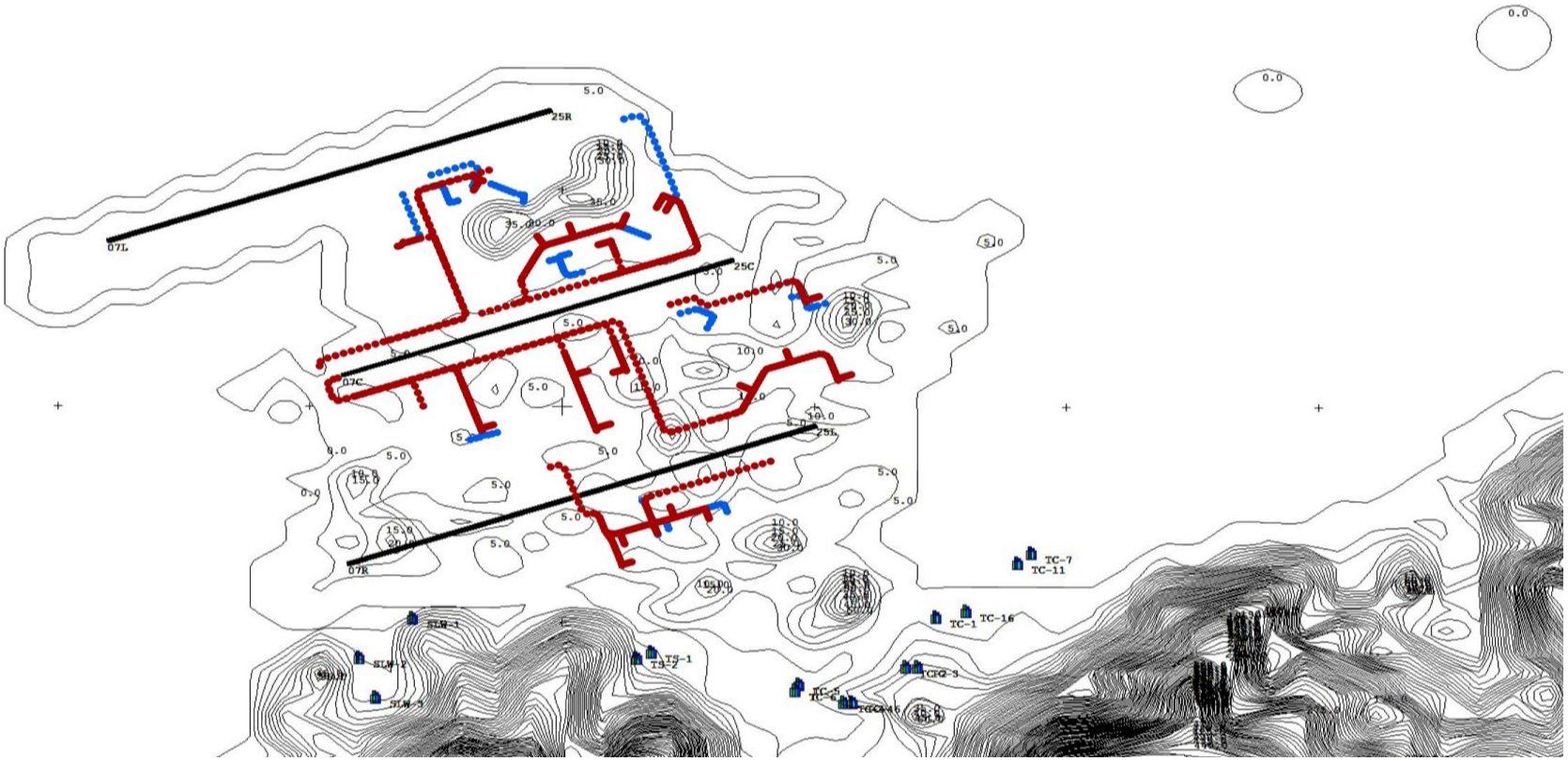
Remark: Flight ID in the maps and locations of segments can be identified under **2030 Day (All) (Shapefile Format)**.

Aircraft (or APU) Taxiways during Day & Evening Time Period at Year 2030 (Third Runway)



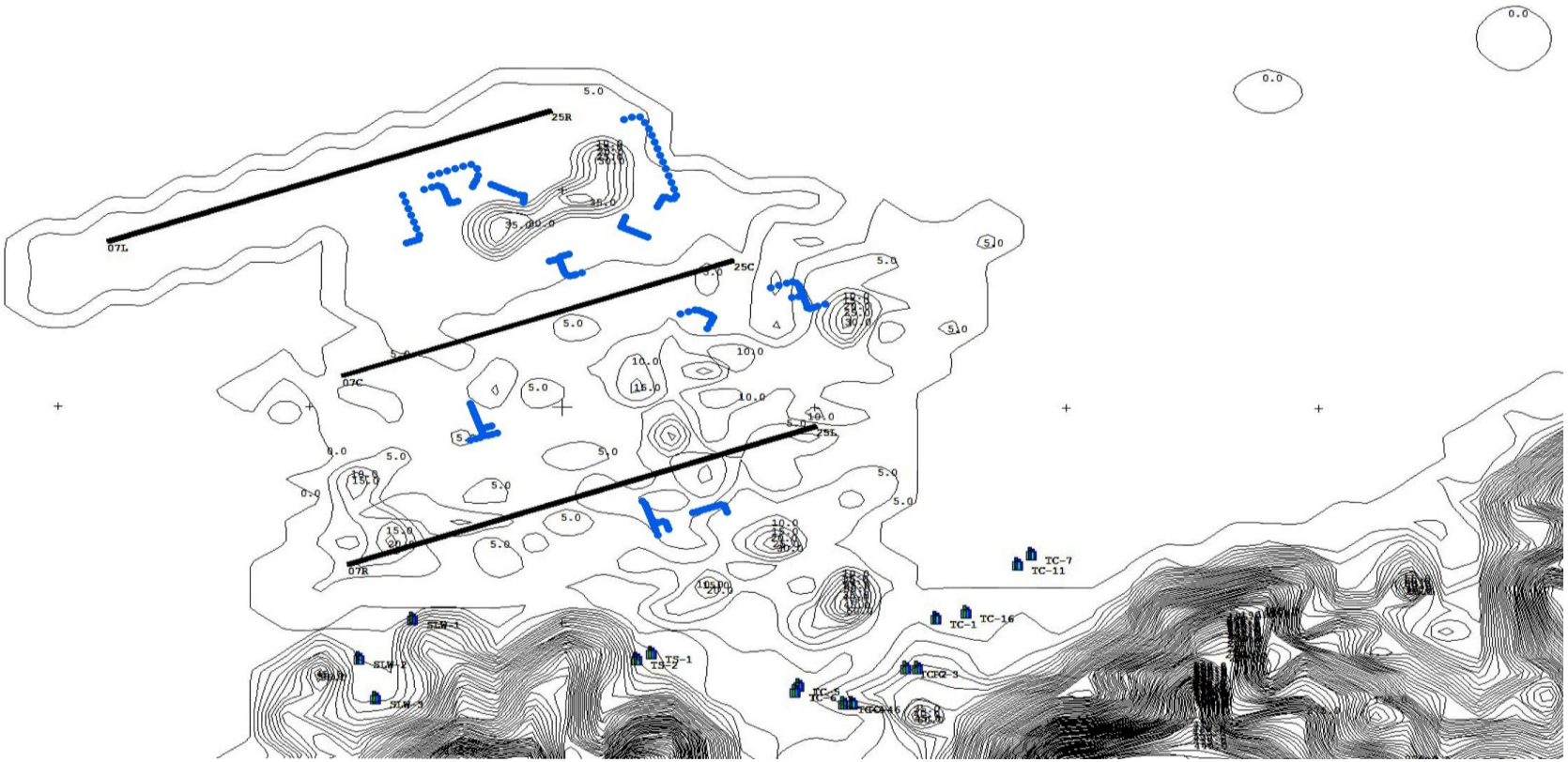
Remark: Flight ID in the maps and locations of segments can be identified under **2030 Day (Third) (Shapefile Format)**.

Aircraft (or APU) Taxiways during Night Time Period at Year 2030 (All Runway)



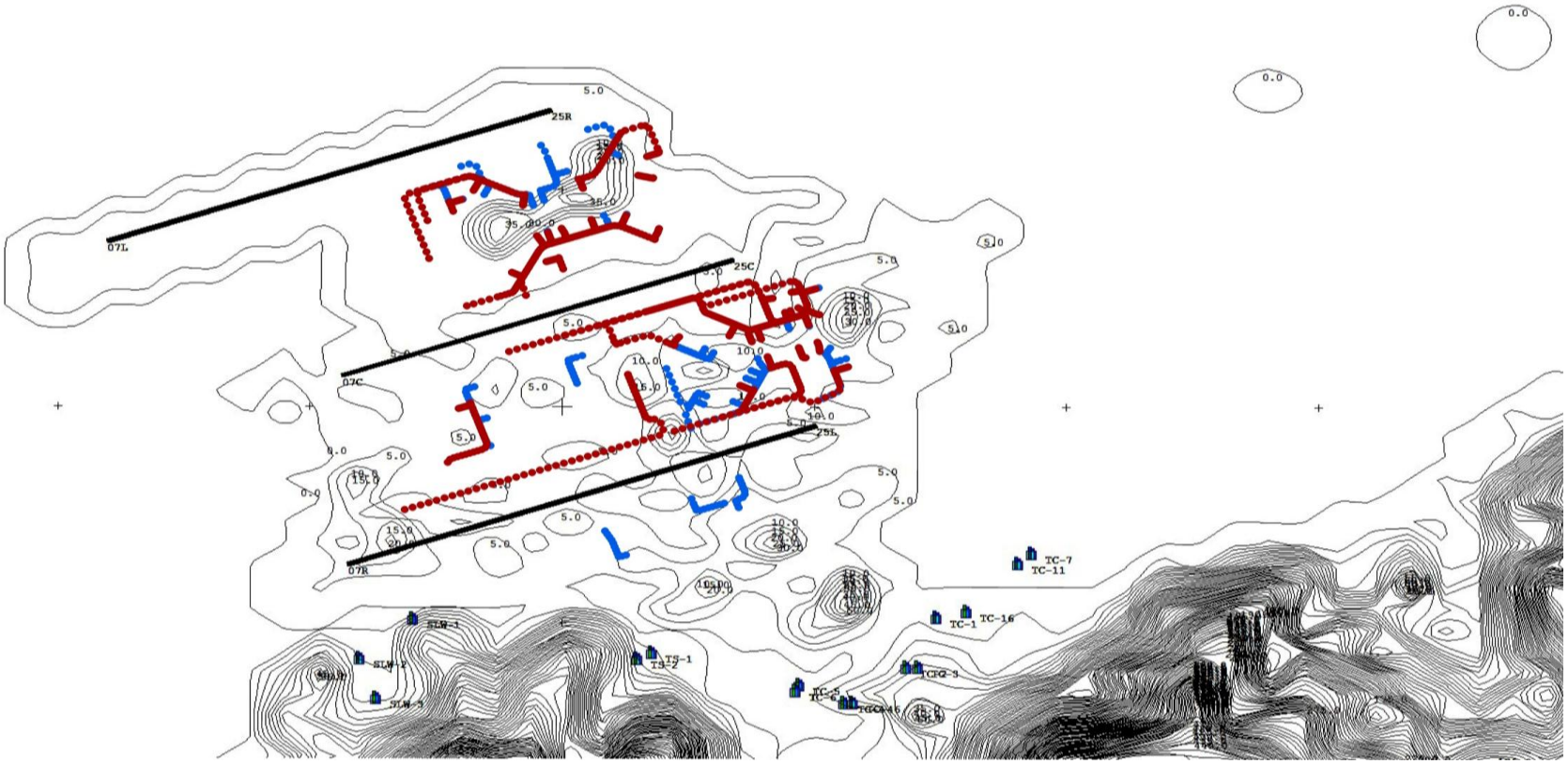
Remark: Flight ID in the maps and locations of segments can be identified under **2030 Night (All) (Shapefile Format)**.

Aircraft (or APU) Taxiways during Night Time Period at Year 2030 (Third Runway)



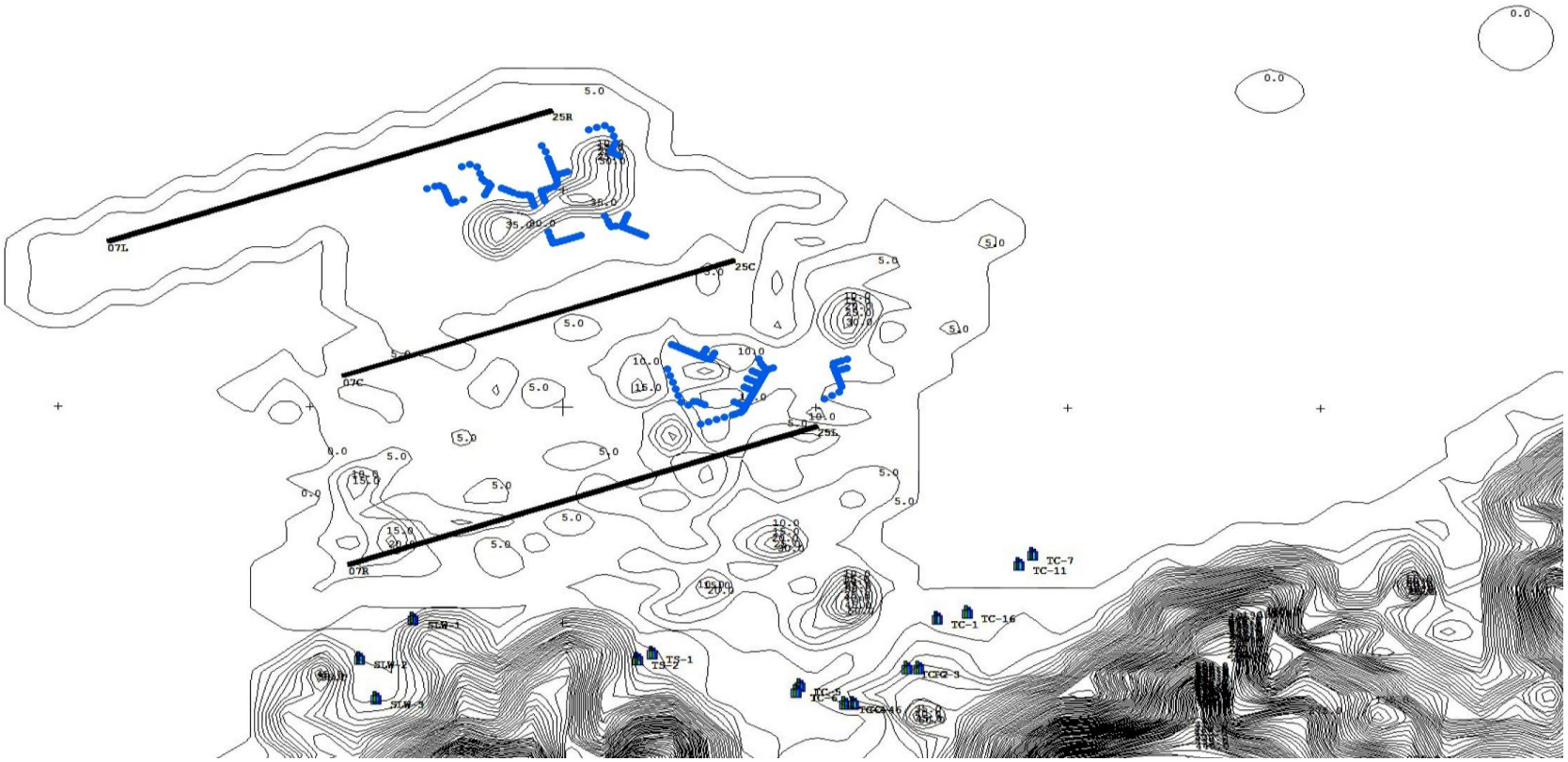
Remark: Flight ID in the maps and locations of segments can be identified under **2030 Night (Third) (Shapefile Format)**.

Aircraft (or APU) Taxiways during Day & Evening Time Period at Year 2032 (All Runway)



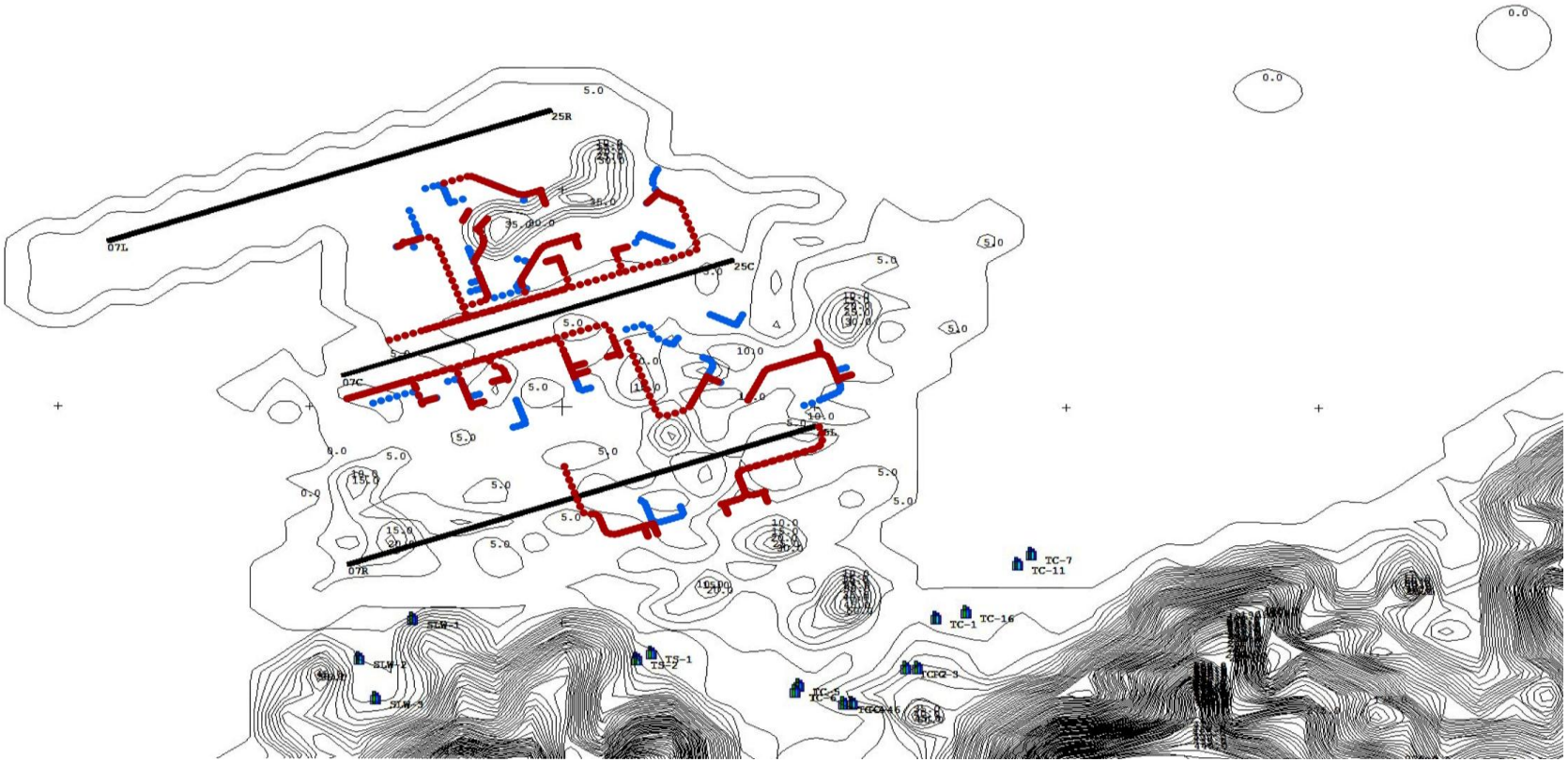
Remark: Flight ID in the maps and locations of segments can be identified under **2032 Day (All) (Shapefile Format)**.

Aircraft (or APU) Taxiways during Day & Evening Time Period at Year 2032 (Third Runway)



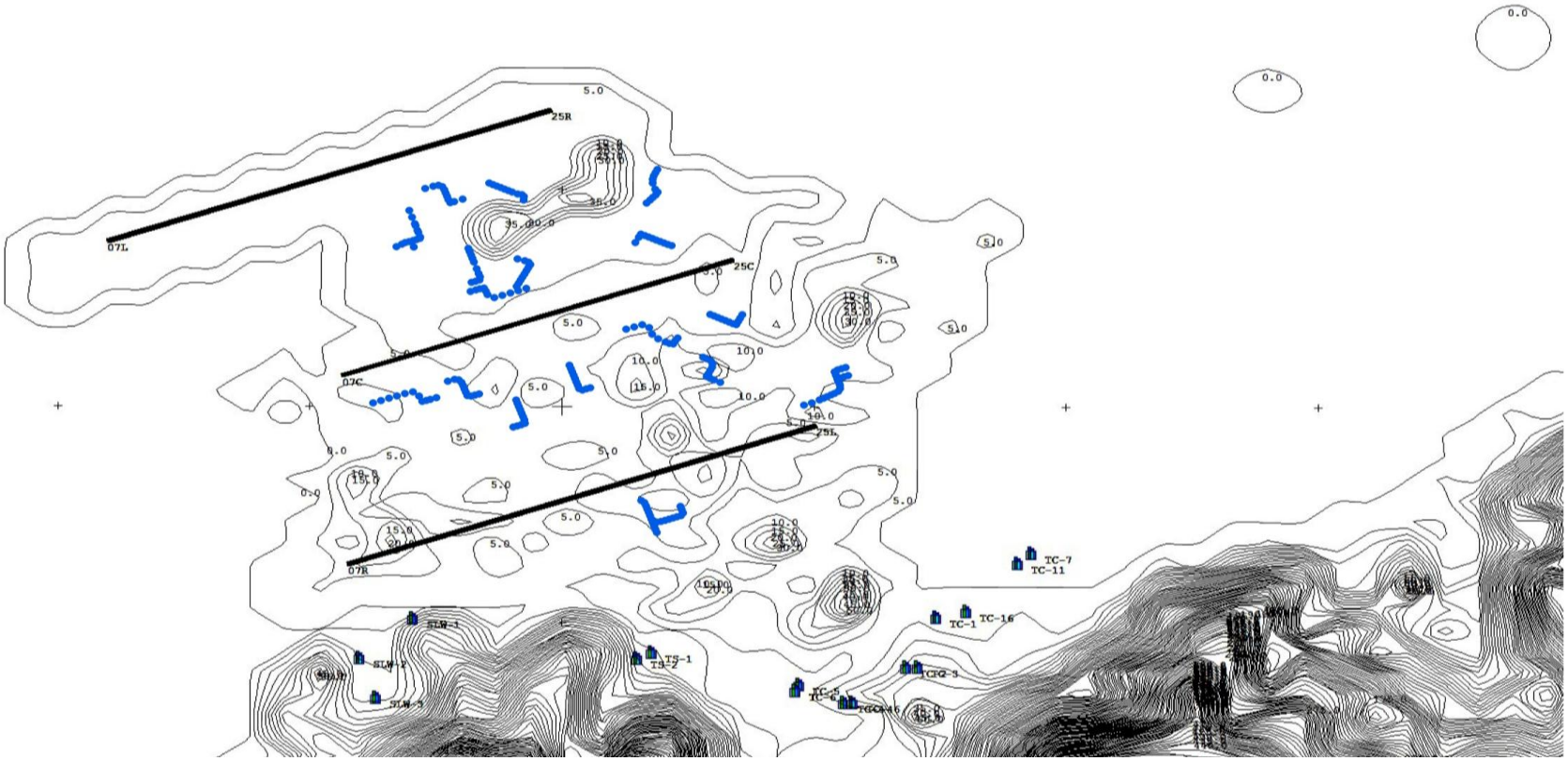
Remark: Flight ID in the maps and locations of segments can be identified under **2032 Day (Third) (Shapefile Format)**.

Aircraft (or APU) Taxiways during Night Time Period at Year 2032 (All Runway)



Remark: Flight ID in the maps and locations of segments can be identified under **2032 Night (All) (Shapefile Format)**.

Aircraft (or APU) Taxiways during Night Time Period at Year 2032 (Third Runway)



Remark: Flight ID in the maps and locations of segments can be identified under **2032 Night (Third) (Shapefile Format)**.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
AAR1197A		117	1	117	0.0	2090.4	2090.4	-74.4	-24.8	3.0	-6.3	14.2
		117	1	117	0.0	2066.3	2066.3	-74.3	-24.8	3.0	-6.2	14.3
		117	1	117	0.0	2042.4	2042.4	-74.2	-24.8	3.0	-6.1	14.5
		117	1	117	0.0	2018.9	2018.9	-74.1	-24.8	3.0	-6.1	14.7
		117	1	117	0.0	1995.4	1995.4	-74.0	-24.8	3.0	-6.0	14.9
		117	1	117	0.0	1972.1	1972.1	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1949.1	1949.1	-73.8	-24.8	3.0	-5.8	15.2
		117	1	117	0.0	1927.2	1927.2	-73.7	-24.8	3.0	-5.8	15.4
		117	1	117	0.0	1935.0	1935.0	-73.7	-24.8	3.0	-5.8	15.3
		117	1	117	0.0	1956.3	1956.3	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1977.9	1977.9	-73.9	-24.8	3.0	-5.9	15.0
											CNL	25.3

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
CPA2054A		117	1	117	0.0	1920.8	1920.8	-73.7	-24.8	3.0	-5.8	15.4
		117	1	117	0.0	1879.7	1879.7	-73.5	-24.8	3.0	-5.6	15.7
		117	1	117	0.0	1848.4	1848.4	-73.3	-24.8	3.0	-5.5	16.0
		117	1	117	0.0	1826.6	1826.6	-73.2	-24.8	3.0	-5.5	16.1
		117	1	117	0.0	1805.2	1805.2	-73.1	-24.8	3.0	-5.4	16.3
		117	1	117	0.0	1783.9	1783.9	-73.0	-24.8	3.0	-5.4	16.5
		117	1	117	0.0	1763.0	1763.0	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1757.9	1757.9	-72.9	-24.8	3.0	-5.3	16.7
		117	1	117	0.0	1780.9	1780.9	-73.0	-24.8	3.0	-5.3	16.5
		117	1	117	0.0	1804.4	1804.4	-73.1	-24.8	3.0	-5.4	16.3
		117	1	117	0.0	1841.9	1841.9	-73.3	-24.8	3.0	-5.5	16.0
											CNL	26.6

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
CPA2043A		117	1	117	0.0	2444.6	2444.6	-75.7	-24.8	3.0	-7.3	11.7
		117	1	117	0.0	2423.6	2423.6	-75.7	-24.8	3.0	-7.3	11.9
		117	1	117	0.0	2402.9	2402.9	-75.6	-24.8	3.0	-7.2	12.0
		117	1	117	0.0	2382.4	2382.4	-75.5	-24.8	3.0	-7.1	12.1
		117	1	117	0.0	2362.1	2362.1	-75.4	-24.8	3.0	-7.1	12.3
		117	1	117	0.0	2342.0	2342.0	-75.4	-24.8	3.0	-7.0	12.4
		117	1	117	0.0	2322.2	2322.2	-75.3	-24.8	3.0	-7.0	12.6
		117	1	117	0.0	2305.2	2305.2	-75.2	-24.8	3.0	-6.9	12.7
		117	1	117	0.0	2321.7	2321.7	-75.3	-24.8	3.0	-7.0	12.6
		117	1	117	0.0	2346.0	2346.0	-75.4	-24.8	3.0	-7.0	12.4
		117	1	117	0.0	2370.4	2370.4	-75.5	-24.8	3.0	-7.1	12.2
											CNL	22.7

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
HDA3094A		117	1	117	0.0	2041.1	2041.1	-74.2	-24.8	3.0	-6.1	14.5
		117	1	117	0.0	2017.4	2017.4	-74.1	-24.8	3.0	-6.1	14.7
		117	1	117	0.0	1994.0	1994.0	-74.0	-24.8	3.0	-6.0	14.9
		117	1	117	0.0	1970.8	1970.8	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1947.7	1947.7	-73.8	-24.8	3.0	-5.8	15.2
		117	1	117	0.0	1925.0	1925.0	-73.7	-24.8	3.0	-5.8	15.4
		117	1	117	0.0	1887.4	1887.4	-73.5	-24.8	3.0	-5.7	15.7
		117	1	117	0.0	1873.3	1873.3	-73.4	-24.8	3.0	-5.6	15.8
		117	1	117	0.0	1895.1	1895.1	-73.5	-24.8	3.0	-5.7	15.6
		117	1	117	0.0	1917.3	1917.3	-73.6	-24.8	3.0	-5.8	15.4
		117	1	117	0.0	1950.4	1950.4	-73.8	-24.8	3.0	-5.9	15.2
											CNL	25.6

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
CPA2042A		117	1	117	0.0	1802.0	1802.0	-73.1	-24.8	3.0	-5.4	16.3
		117	1	117	0.0	1780.9	1780.9	-73.0	-24.8	3.0	-5.3	16.5
		117	1	117	0.0	1759.9	1759.9	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1739.4	1739.4	-72.8	-24.8	3.0	-5.2	16.8
		117	1	117	0.0	1719.1	1719.1	-72.7	-24.8	3.0	-5.2	17.0
		117	1	117	0.0	1699.1	1699.1	-72.6	-24.8	3.0	-5.1	17.1
		117	1	117	0.0	1679.5	1679.5	-72.5	-24.8	3.0	-5.0	17.3
		117	1	117	0.0	1661.6	1661.6	-72.4	-24.8	3.0	-5.0	17.4
		117	1	117	0.0	1676.1	1676.1	-72.5	-24.8	3.0	-5.0	17.3
		117	1	117	0.0	1700.7	1700.7	-72.6	-24.8	3.0	-5.1	17.1
		117	1	117	0.0	1725.4	1725.4	-72.7	-24.8	3.0	-5.2	16.9
											CNL	27.4

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
BIZ008A		117	1	117	0.0	976.3	976.3	-67.8	-24.8	3.0	-2.9	24.1
		117	1	117	0.0	930.1	930.1	-67.4	-24.8	3.0	-2.8	24.7
		117	1	117	0.0	906.6	906.6	-67.1	-24.8	3.0	-2.7	25.0
		117	1	117	0.0	894.1	894.1	-67.0	-24.8	3.0	-2.7	25.1
		117	1	117	0.0	885.3	885.3	-66.9	-24.8	3.0	-2.7	25.2
		117	1	117	0.0	884.3	884.3	-66.9	-24.8	3.0	-2.7	25.3
		117	1	117	0.0	884.4	884.4	-66.9	-24.8	3.0	-2.7	25.3
		117	1	117	0.0	885.1	885.1	-66.9	-24.8	3.0	-2.7	25.2
		117	1	117	0.0	887.5	887.5	-66.9	-24.8	3.0	-2.7	25.2
		117	1	117	0.0	892.5	892.5	-67.0	-24.8	3.0	-2.7	25.1
		117	1	117	0.0	918.9	918.9	-67.2	-24.8	3.0	-2.8	24.8
											CNL	35.4

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
HDA3024A		117	1	117	0.0	3730.7	3730.7	-79.4	-24.8	3.0	-11.2	4.2
		117	1	117	0.0	3716.6	3716.6	-79.4	-24.8	3.0	-11.1	4.3
		117	1	117	0.0	3702.7	3702.7	-79.4	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3689.0	3689.0	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3675.6	3675.6	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3657.3	3657.3	-79.2	-24.8	3.0	-11.0	4.6
		117	1	117	0.0	3628.7	3628.7	-79.2	-24.8	3.0	-10.9	4.8
		117	1	117	0.0	3601.4	3601.4	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3588.3	3588.3	-79.1	-24.8	3.0	-10.8	5.0
		117	1	117	0.0	3575.5	3575.5	-79.0	-24.8	3.0	-10.7	5.0
		117	1	117	0.0	3554.2	3554.2	-79.0	-24.8	3.0	-10.7	5.2
											CNL	15.1

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
GIA1122A		117	1	117	0.0	3041.3	3041.3	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3025.2	3025.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	2992.9	2992.9	-77.5	-24.8	3.0	-9.0	8.3
		117	1	117	0.0	2999.8	2999.8	-77.5	-24.8	3.0	-9.0	8.3
		117	1	117	0.0	3012.2	3012.2	-77.6	-24.8	3.0	-9.0	8.2
		117	1	117	0.0	3022.3	3022.3	-77.6	-24.8	3.0	-9.1	8.2
		117	1	117	0.0	3029.5	3029.5	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3037.2	3037.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3065.6	3065.6	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3095.5	3095.5	-77.8	-24.8	3.0	-9.3	7.7
		117	1	117	0.0	3133.3	3133.3	-77.9	-24.8	3.0	-9.4	7.5
											CNL	18.5

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
VIR1265A		117	1	117	0.0	3019.8	3019.8	-77.6	-24.8	3.0	-9.1	8.2
		117	1	117	0.0	3026.8	3026.8	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3034.1	3034.1	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3041.7	3041.7	-77.6	-24.8	3.0	-9.1	8.0
		117	1	117	0.0	3049.6	3049.6	-77.7	-24.8	3.0	-9.1	8.0
		117	1	117	0.0	3057.8	3057.8	-77.7	-24.8	3.0	-9.2	8.0
		117	1	117	0.0	3066.3	3066.3	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3075.5	3075.5	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3103.7	3103.7	-77.8	-24.8	3.0	-9.3	7.7
		117	1	117	0.0	3133.3	3133.3	-77.9	-24.8	3.0	-9.4	7.5
		117	1	117	0.0	3165.8	3165.8	-78.0	-24.8	3.0	-9.5	7.3
											CNL	18.3

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
ANA1186A		117	1	117	0.0	2318.4	2318.4	-75.3	-24.8	3.0	-7.0	12.6
		117	1	117	0.0	2298.8	2298.8	-75.2	-24.8	3.0	-6.9	12.7
		117	1	117	0.0	2279.6	2279.6	-75.1	-24.8	3.0	-6.8	12.8
		117	1	117	0.0	2260.5	2260.5	-75.1	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2241.8	2241.8	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2223.3	2223.3	-74.9	-24.8	3.0	-6.7	13.2
		117	1	117	0.0	2205.0	2205.0	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2189.9	2189.9	-74.8	-24.8	3.0	-6.6	13.5
		117	1	117	0.0	2210.4	2210.4	-74.9	-24.8	3.0	-6.6	13.3
		117	1	117	0.0	2235.9	2235.9	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2261.5	2261.5	-75.1	-24.8	3.0	-6.8	13.0
											CNL	23.5

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
HDA3025A		117	1	117	0.0	3524.9	3524.9	-78.9	-24.8	3.0	-10.6	5.3
		117	1	117	0.0	3552.7	3552.7	-79.0	-24.8	3.0	-10.7	5.2
		117	1	117	0.0	3580.6	3580.6	-79.1	-24.8	3.0	-10.7	5.0
		117	1	117	0.0	3608.5	3608.5	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3636.5	3636.5	-79.2	-24.8	3.0	-10.9	4.7
		117	1	117	0.0	3664.6	3664.6	-79.3	-24.8	3.0	-11.0	4.6
		117	1	117	0.0	3692.6	3692.6	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3720.7	3720.7	-79.4	-24.8	3.0	-11.2	4.3
		117	1	117	0.0	3748.9	3748.9	-79.5	-24.8	3.0	-11.2	4.1
		117	1	117	0.0	3767.1	3767.1	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3789.3	3789.3	-79.6	-24.8	3.0	-11.4	3.9
											CNL	15.0

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
KAL1138A		117	1	117	0.0	2218.8	2218.8	-74.9	-24.8	3.0	-6.7	13.3
		117	1	117	0.0	2194.4	2194.4	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2164.1	2164.1	-74.7	-24.8	3.0	-6.5	13.6
		117	1	117	0.0	2122.8	2122.8	-74.5	-24.8	3.0	-6.4	13.9
		117	1	117	0.0	2072.5	2072.5	-74.3	-24.8	3.0	-6.2	14.3
		117	1	117	0.0	2037.3	2037.3	-74.2	-24.8	3.0	-6.1	14.5
		117	1	117	0.0	2003.3	2003.3	-74.0	-24.8	3.0	-6.0	14.8
		117	1	117	0.0	1967.4	1967.4	-73.9	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1939.9	1939.9	-73.7	-24.8	3.0	-5.8	15.3
		117	1	117	0.0	1914.0	1914.0	-73.6	-24.8	3.0	-5.7	15.5
		117	1	117	0.0	1888.3	1888.3	-73.5	-24.8	3.0	-5.7	15.7
											CNL	25.0

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
KAL1136A		117	1	117	0.0	2080.3	2080.3	-74.3	-24.8	3.0	-6.2	14.2
		117	1	117	0.0	2053.9	2053.9	-74.2	-24.8	3.0	-6.2	14.4
		117	1	117	0.0	2027.6	2027.6	-74.1	-24.8	3.0	-6.1	14.6
		117	1	117	0.0	2001.6	2001.6	-74.0	-24.8	3.0	-6.0	14.8
		117	1	117	0.0	1975.6	1975.6	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1949.8	1949.8	-73.8	-24.8	3.0	-5.8	15.2
		117	1	117	0.0	1924.1	1924.1	-73.7	-24.8	3.0	-5.8	15.4
		117	1	117	0.0	1898.8	1898.8	-73.6	-24.8	3.0	-5.7	15.6
		117	1	117	0.0	1906.8	1906.8	-73.6	-24.8	3.0	-5.7	15.5
		117	1	117	0.0	1924.6	1924.6	-73.7	-24.8	3.0	-5.8	15.4
		117	1	117	0.0	1942.8	1942.8	-73.8	-24.8	3.0	-5.8	15.2
											CNL	25.5

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
CRK4027A		117	1	117	0.0	2239.7	2239.7	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2205.2	2205.2	-74.9	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2172.0	2172.0	-74.7	-24.8	3.0	-6.5	13.6
		117	1	117	0.0	2146.3	2146.3	-74.6	-24.8	3.0	-6.4	13.8
		117	1	117	0.0	2118.7	2118.7	-74.5	-24.8	3.0	-6.4	14.0
		117	1	117	0.0	2088.6	2088.6	-74.4	-24.8	3.0	-6.3	14.2
		117	1	117	0.0	2062.2	2062.2	-74.3	-24.8	3.0	-6.2	14.4
		117	1	117	0.0	2038.7	2038.7	-74.2	-24.8	3.0	-6.1	14.5
		117	1	117	0.0	2048.8	2048.8	-74.2	-24.8	3.0	-6.1	14.5
		117	1	117	0.0	2065.5	2065.5	-74.3	-24.8	3.0	-6.2	14.3
		117	1	117	0.0	2082.7	2082.7	-74.4	-24.8	3.0	-6.2	14.2
											CNL	24.4

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
HDA3040A		117	1	117	0.0	3057.5	3057.5	-77.7	-24.8	3.0	-9.2	8.0
		117	1	117	0.0	3065.9	3065.9	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3074.6	3074.6	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3083.7	3083.7	-77.8	-24.8	3.0	-9.3	7.8
		117	1	117	0.0	3093.0	3093.0	-77.8	-24.8	3.0	-9.3	7.8
		117	1	117	0.0	3100.5	3100.5	-77.8	-24.8	3.0	-9.3	7.7
		117	1	117	0.0	3093.6	3093.6	-77.8	-24.8	3.0	-9.3	7.7
		117	1	117	0.0	3071.0	3071.0	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3045.6	3045.6	-77.7	-24.8	3.0	-9.1	8.0
		117	1	117	0.0	3036.1	3036.1	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3019.6	3019.6	-77.6	-24.8	3.0	-9.1	8.2
											CNL	18.3

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"* .

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
DAL1104A		117	1	117	0.0	1734.1	1734.1	-72.8	-24.8	3.0	-5.2	16.9
		117	1	117	0.0	1710.0	1710.0	-72.6	-24.8	3.0	-5.1	17.0
		117	1	117	0.0	1686.1	1686.1	-72.5	-24.8	3.0	-5.1	17.2
		117	1	117	0.0	1662.4	1662.4	-72.4	-24.8	3.0	-5.0	17.4
		117	1	117	0.0	1638.9	1638.9	-72.3	-24.8	3.0	-4.9	17.6
		117	1	117	0.0	1615.6	1615.6	-72.1	-24.8	3.0	-4.8	17.8
		117	1	117	0.0	1592.7	1592.7	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1595.2	1595.2	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1616.4	1616.4	-72.2	-24.8	3.0	-4.8	17.8
		117	1	117	0.0	1638.0	1638.0	-72.3	-24.8	3.0	-4.9	17.6
		117	1	117	0.0	1671.6	1671.6	-72.4	-24.8	3.0	-5.0	17.4
											CNL	28.0

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
HDA3027A		117	1	117	0.0	3763.5	3763.5	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3748.9	3748.9	-79.5	-24.8	3.0	-11.2	4.1
		117	1	117	0.0	3734.6	3734.6	-79.4	-24.8	3.0	-11.2	4.2
		117	1	117	0.0	3720.5	3720.5	-79.4	-24.8	3.0	-11.2	4.3
		117	1	117	0.0	3706.6	3706.6	-79.4	-24.8	3.0	-11.1	4.3
		117	1	117	0.0	3692.8	3692.8	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3679.4	3679.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3669.6	3669.6	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3675.9	3675.9	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3699.4	3699.4	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3725.1	3725.1	-79.4	-24.8	3.0	-11.2	4.2
											CNL	14.7

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
HDA3026A		117	1	117	0.0	3716.9	3716.9	-79.4	-24.8	3.0	-11.2	4.3
		117	1	117	0.0	3769.7	3769.7	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3810.2	3810.2	-79.6	-24.8	3.0	-11.4	3.8
		117	1	117	0.0	3794.4	3794.4	-79.6	-24.8	3.0	-11.4	3.9
		117	1	117	0.0	3770.3	3770.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3754.4	3754.4	-79.5	-24.8	3.0	-11.3	4.1
		117	1	117	0.0	3740.0	3740.0	-79.4	-24.8	3.0	-11.2	4.2
		117	1	117	0.0	3725.8	3725.8	-79.4	-24.8	3.0	-11.2	4.2
		117	1	117	0.0	3701.2	3701.2	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3673.9	3673.9	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3646.8	3646.8	-79.2	-24.8	3.0	-10.9	4.7
											CNL	14.6

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
CPA2051D		117	1	117	0.0	2380.9	2380.9	-75.5	-24.8	3.0	-7.1	12.2
		117	1	117	0.0	2373.5	2373.5	-75.5	-24.8	3.0	-7.1	12.2
		117	1	117	0.0	2366.2	2366.2	-75.5	-24.8	3.0	-7.1	12.3
		117	1	117	0.0	2358.8	2358.8	-75.4	-24.8	3.0	-7.1	12.3
		117	1	117	0.0	2351.6	2351.6	-75.4	-24.8	3.0	-7.1	12.4
		117	1	117	0.0	2344.2	2344.2	-75.4	-24.8	3.0	-7.0	12.4
		117	1	117	0.0	2337.0	2337.0	-75.4	-24.8	3.0	-7.0	12.5
		117	1	117	0.0	2329.6	2329.6	-75.3	-24.8	3.0	-7.0	12.5
		117	1	117	0.0	2322.4	2322.4	-75.3	-24.8	3.0	-7.0	12.6
		117	1	117	0.0	2315.1	2315.1	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2308.4	2308.4	-75.2	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2305.1	2305.1	-75.2	-24.8	3.0	-6.9	12.7
		117	1	117	0.0	2306.6	2306.6	-75.2	-24.8	3.0	-6.9	12.7
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2309.9	2309.9	-75.3	-24.8	3.0	-6.9	12.6
		117	1	117	0.0	2303.4	2303.4	-75.2	-24.8	3.0	-6.9	12.7
		117	1	117	0.0	2284.0	2284.0	-75.2	-24.8	3.0	-6.9	12.8
		117	1	117	0.0	2264.9	2264.9	-75.1	-24.8	3.0	-6.8	12.9
		117	1	117	0.0	2246.1	2246.1	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2227.6	2227.6	-74.9	-24.8	3.0	-6.7	13.2
		117	1	117	0.0	2209.2	2209.2	-74.9	-24.8	3.0	-6.6	13.3
		117	1	117	0.0	2191.3	2191.3	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2173.5	2173.5	-74.7	-24.8	3.0	-6.5	13.6
		117	1	117	0.0	2156.0	2156.0	-74.7	-24.8	3.0	-6.5	13.7
		117	1	117	0.0	2139.0	2139.0	-74.6	-24.8	3.0	-6.4	13.8
		117	1	117	0.0	2122.1	2122.1	-74.5	-24.8	3.0	-6.4	13.9
		117	1	117	0.0	2105.6	2105.6	-74.4	-24.8	3.0	-6.3	14.1
		117	1	117	0.0	2089.4	2089.4	-74.4	-24.8	3.0	-6.3	14.2
		117	1	117	0.0	2073.5	2073.5	-74.3	-24.8	3.0	-6.2	14.3
		117	1	117	0.0	2058.1	2058.1	-74.3	-24.8	3.0	-6.2	14.4
		117	1	117	0.0	2042.9	2042.9	-74.2	-24.8	3.0	-6.1	14.5
		117	1	117	0.0	2028.0	2028.0	-74.1	-24.8	3.0	-6.1	14.6
		117	1	117	0.0	2012.7	2012.7	-74.1	-24.8	3.0	-6.0	14.7
		117	1	117	0.0	1988.9	1988.9	-74.0	-24.8	3.0	-6.0	14.9
		117	1	117	0.0	1958.7	1958.7	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1910.6	1910.6	-73.6	-24.8	3.0	-5.7	15.5
		117	1	117	0.0	1856.1	1856.1	-73.4	-24.8	3.0	-5.6	15.9
		117	1	117	0.0	1802.1	1802.1	-73.1	-24.8	3.0	-5.4	16.3
											CNL	30.5

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
GFS3D		117	1	117	0.0	709.4	709.4	-65.0	-24.8	3.0	-2.1	27.7
		117	1	117	0.0	682.0	682.0	-64.7	-24.8	3.0	-2.0	28.1
		117	1	117	0.0	655.1	655.1	-64.3	-24.8	3.0	-2.0	28.5
		117	1	117	0.0	628.5	628.5	-63.9	-24.8	3.0	-1.9	29.0
		117	1	117	0.0	602.3	602.3	-63.6	-24.8	3.0	-1.8	29.4
		117	1	117	0.0	576.7	576.7	-63.2	-24.8	3.0	-1.7	29.9
		117	1	117	0.0	551.5	551.5	-62.8	-24.8	3.0	-1.7	30.4
		117	1	117	0.0	527.0	527.0	-62.4	-24.8	3.0	-1.6	30.8
		117	1	117	0.0	509.4	509.4	-62.1	-24.8	3.0	-1.5	31.2
		117	1	117	0.0	528.3	528.3	-62.4	-24.8	3.0	-1.6	30.8
		117	1	117	0.0	548.1	548.1	-62.8	-24.8	3.0	-1.6	30.4
		117	1	117	0.0	530.5	530.5	-62.5	-24.8	3.0	-1.6	30.8
		117	1	117	0.0	493.2	493.2	-61.8	-24.8	3.0	-1.5	31.5
		117	1	117	0.0	461.4	461.4	-61.3	-24.8	3.0	-1.4	32.2
		117	1	117	0.0	435.9	435.9	-60.8	-24.8	3.0	-1.3	32.7
		117	1	117	0.0	418.1	418.1	-60.4	-24.8	3.0	-1.3	33.2
		117	1	117	0.0	408.9	408.9	-60.2	-24.8	3.0	-1.2	33.4
		117	1	117	0.0	409.0	409.0	-60.2	-24.8	3.0	-1.2	33.4
		117	1	117	0.0	418.4	418.4	-60.4	-24.8	3.0	-1.3	33.1
		117	1	117	0.0	436.4	436.4	-60.8	-24.8	3.0	-1.3	32.7
		117	1	117	0.0	462.0	462.0	-61.3	-24.8	3.0	-1.4	32.2
		117	1	117	0.0	494.1	494.1	-61.9	-24.8	3.0	-1.5	31.5
		117	1	117	0.0	532.0	532.0	-62.5	-24.8	3.0	-1.6	30.7
		117	1	117	0.0	586.1	586.1	-63.3	-24.8	3.0	-1.8	29.7
		117	1	117	0.0	645.5	645.5	-64.2	-24.8	3.0	-1.9	28.7
		117	1	117	0.0	645.5	645.5	-64.2	-24.8	3.0	-1.9	28.7
		117	1	117	0.0	645.5	645.5	-64.2	-24.8	3.0	-1.9	28.7
		117	1	117	0.0	645.5	645.5	-64.2	-24.8	3.0	-1.9	28.7
		117	1	117	0.0	645.5	645.5	-64.2	-24.8	3.0	-1.9	28.7
		117	1	117	0.0	645.5	645.5	-64.2	-24.8	3.0	-1.9	28.7
		117	1	117	0.0	645.5	645.5	-64.2	-24.8	3.0	-1.9	28.7
		117	1	117	0.0	662.9	662.9	-64.4	-24.8	3.0	-2.0	28.4
		117	1	117	0.0	692.4	692.4	-64.8	-24.8	3.0	-2.1	28.0
		117	1	117	0.0	695.5	695.5	-64.8	-24.8	3.0	-2.1	27.9
		117	1	117	0.0	676.6	676.6	-64.6	-24.8	3.0	-2.0	28.2
		117	1	117	0.0	2173.5	2173.5	-74.7	-24.8	3.0	-6.5	13.6
		117	1	117	0.0	2156.0	2156.0	-74.7	-24.8	3.0	-6.5	13.7
		117	1	117	0.0	2139.0	2139.0	-74.6	-24.8	3.0	-6.4	13.8
		117	1	117	0.0	2122.1	2122.1	-74.5	-24.8	3.0	-6.4	13.9
		117	1	117	0.0	2105.6	2105.6	-74.4	-24.8	3.0	-6.3	14.1
		117	1	117	0.0	2089.4	2089.4	-74.4	-24.8	3.0	-6.3	14.2
		117	1	117	0.0	2073.5	2073.5	-74.3	-24.8	3.0	-6.2	14.3
		117	1	117	0.0	2058.1	2058.1	-74.3	-24.8	3.0	-6.2	14.4
		117	1	117	0.0	2042.9	2042.9	-74.2	-24.8	3.0	-6.1	14.5
		117	1	117	0.0	2028.0	2028.0	-74.1	-24.8	3.0	-6.1	14.6
		117	1	117	0.0	2012.7	2012.7	-74.1	-24.8	3.0	-6.0	14.7
		117	1	117	0.0	1988.9	1988.9	-74.0	-24.8	3.0	-6.0	14.9
		117	1	117	0.0	1958.7	1958.7	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1910.6	1910.6	-73.6	-24.8	3.0	-5.7	15.5
		117	1	117	0.0	1856.1	1856.1	-73.4	-24.8	3.0	-5.6	15.9
		117	1	117	0.0	1802.1	1802.1	-73.1	-24.8	3.0	-5.4	16.3
											CNL	46.1

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
CRK4007D		117	1	117	0.0	3785.2	3785.2	-79.5	-24.8	3.0	-11.4	3.9
		117	1	117	0.0	3781.1	3781.1	-79.5	-24.8	3.0	-11.3	3.9
		117	1	117	0.0	3777.1	3777.1	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3773.0	3773.0	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3768.9	3768.9	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3764.9	3764.9	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3761.5	3761.5	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3764.1	3764.1	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3769.3	3769.3	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3759.8	3759.8	-79.5	-24.8	3.0	-11.3	4.1
		117	1	117	0.0	3731.7	3731.7	-79.4	-24.8	3.0	-11.2	4.2
		117	1	117	0.0	3703.4	3703.4	-79.4	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3675.4	3675.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3647.4	3647.4	-79.2	-24.8	3.0	-10.9	4.7
		117	1	117	0.0	3619.3	3619.3	-79.2	-24.8	3.0	-10.9	4.8
		117	1	117	0.0	3591.4	3591.4	-79.1	-24.8	3.0	-10.8	5.0
		117	1	117	0.0	3563.5	3563.5	-79.0	-24.8	3.0	-10.7	5.1
		117	1	117	0.0	3535.6	3535.6	-79.0	-24.8	3.0	-10.6	5.3
		117	1	117	0.0	3507.8	3507.8	-78.9	-24.8	3.0	-10.5	5.4
		117	1	117	0.0	3486.8	3486.8	-78.8	-24.8	3.0	-10.5	5.5
		117	1	117	0.0	3475.7	3475.7	-78.8	-24.8	3.0	-10.4	5.6
		117	1	117	0.0	3466.2	3466.2	-78.8	-24.8	3.0	-10.4	5.6
		117	1	117	0.0	3456.9	3456.9	-78.8	-24.8	3.0	-10.4	5.7
		117	1	117	0.0	3448.0	3448.0	-78.7	-24.8	3.0	-10.3	5.7
		117	1	117	0.0	3439.2	3439.2	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3430.7	3430.7	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3422.5	3422.5	-78.7	-24.8	3.0	-10.3	5.9
		117	1	117	0.0	3414.4	3414.4	-78.6	-24.8	3.0	-10.2	5.9
		117	1	117	0.0	3406.7	3406.7	-78.6	-24.8	3.0	-10.2	6.0
		117	1	117	0.0	3399.2	3399.2	-78.6	-24.8	3.0	-10.2	6.0
		117	1	117	0.0	3392.0	3392.0	-78.6	-24.8	3.0	-10.2	6.1
		117	1	117	0.0	3385.1	3385.1	-78.6	-24.8	3.0	-10.2	6.1
		117	1	117	0.0	3377.8	3377.8	-78.6	-24.8	3.0	-10.1	6.1
		117	1	117	0.0	3360.6	3360.6	-78.5	-24.8	3.0	-10.1	6.2
		117	1	117	0.0	3312.4	3312.4	-78.4	-24.8	3.0	-9.9	6.5
		117	1	117	0.0	3261.2	3261.2	-78.2	-24.8	3.0	-9.8	6.8
		117	1	117	0.0	3210.4	3210.4	-78.1	-24.8	3.0	-9.6	7.1
											CNL	22.0

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
NGB6122D		117	1	117	0.0	1662.8	1662.8	-72.4	-24.8	3.0	-5.0	17.4
		117	1	117	0.0	1656.1	1656.1	-72.4	-24.8	3.0	-5.0	17.5
		117	1	117	0.0	1649.6	1649.6	-72.3	-24.8	3.0	-4.9	17.5
		117	1	117	0.0	1643.0	1643.0	-72.3	-24.8	3.0	-4.9	17.6
		117	1	117	0.0	1636.6	1636.6	-72.3	-24.8	3.0	-4.9	17.6
		117	1	117	0.0	1630.0	1630.0	-72.2	-24.8	3.0	-4.9	17.7
		117	1	117	0.0	1623.6	1623.6	-72.2	-24.8	3.0	-4.9	17.8
		117	1	117	0.0	1617.2	1617.2	-72.2	-24.8	3.0	-4.9	17.8
		117	1	117	0.0	1610.8	1610.8	-72.1	-24.8	3.0	-4.8	17.9
		117	1	117	0.0	1604.4	1604.4	-72.1	-24.8	3.0	-4.8	17.9
		117	1	117	0.0	1598.0	1598.0	-72.1	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1591.7	1591.7	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1586.1	1586.1	-72.0	-24.8	3.0	-4.8	18.1
		117	1	117	0.0	1587.5	1587.5	-72.0	-24.8	3.0	-4.8	18.1
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1589.6	1589.6	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1574.4	1574.4	-71.9	-24.8	3.0	-4.7	18.2
		117	1	117	0.0	1551.9	1551.9	-71.8	-24.8	3.0	-4.7	18.4
		117	1	117	0.0	1529.8	1529.8	-71.7	-24.8	3.0	-4.6	18.6
		117	1	117	0.0	1507.8	1507.8	-71.5	-24.8	3.0	-4.5	18.7
		117	1	117	0.0	1486.3	1486.3	-71.4	-24.8	3.0	-4.5	18.9
		117	1	117	0.0	1465.0	1465.0	-71.3	-24.8	3.0	-4.4	19.1
		117	1	117	0.0	1444.1	1444.1	-71.2	-24.8	3.0	-4.3	19.3
		117	1	117	0.0	1423.6	1423.6	-71.0	-24.8	3.0	-4.3	19.5
		117	1	117	0.0	1397.6	1397.6	-70.9	-24.8	3.0	-4.2	19.7
		117	1	117	0.0	1367.4	1367.4	-70.7	-24.8	3.0	-4.1	20.0
		117	1	117	0.0	1332.7	1332.7	-70.5	-24.8	3.0	-4.0	20.3
		117	1	117	0.0	1287.3	1287.3	-70.2	-24.8	3.0	-3.9	20.8
		117	1	117	0.0	1243.3	1243.3	-69.9	-24.8	3.0	-3.7	21.2
		117	1	117	0.0	1200.9	1200.9	-69.6	-24.8	3.0	-3.6	21.6
		117	1	117	0.0	1160.3	1160.3	-69.3	-24.8	3.0	-3.5	22.1
		117	1	117	0.0	1121.7	1121.7	-69.0	-24.8	3.0	-3.4	22.5
		117	1	117	0.0	1085.1	1085.1	-68.7	-24.8	3.0	-3.3	22.9
		117	1	117	0.0	1050.9	1050.9	-68.4	-24.8	3.0	-3.2	23.3
		117	1	117	0.0	1019.3	1019.3	-68.1	-24.8	3.0	-3.1	23.6
		117	1	117	0.0	990.6	990.6	-67.9	-24.8	3.0	-3.0	23.9
		117	1	117	0.0	965.0	965.0	-67.7	-24.8	3.0	-2.9	24.3
		117	1	117	0.0	942.8	942.8	-67.5	-24.8	3.0	-2.8	24.5
											CNL	36.9

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
CPA2070D		117	1	117	0.0	3201.0	3201.0	-78.1	-24.8	3.0	-9.6	7.1
		117	1	117	0.0	3201.0	3201.0	-78.1	-24.8	3.0	-9.6	7.1
		117	1	117	0.0	3201.0	3201.0	-78.1	-24.8	3.0	-9.6	7.1
		117	1	117	0.0	3201.3	3201.3	-78.1	-24.8	3.0	-9.6	7.1
		117	1	117	0.0	3203.1	3203.1	-78.1	-24.8	3.0	-9.6	7.1
		117	1	117	0.0	3206.5	3206.5	-78.1	-24.8	3.0	-9.6	7.1
		117	1	117	0.0	3211.2	3211.2	-78.1	-24.8	3.0	-9.6	7.1
		117	1	117	0.0	3216.5	3216.5	-78.1	-24.8	3.0	-9.6	7.0
		117	1	117	0.0	3221.7	3221.7	-78.1	-24.8	3.0	-9.7	7.0
		117	1	117	0.0	3227.0	3227.0	-78.2	-24.8	3.0	-9.7	7.0
		117	1	117	0.0	3234.8	3234.8	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3243.9	3243.9	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3246.6	3246.6	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3212.8	3212.8	-78.1	-24.8	3.0	-9.6	7.1
		117	1	117	0.0	3162.3	3162.3	-78.0	-24.8	3.0	-9.5	7.3
		117	1	117	0.0	3112.3	3112.3	-77.8	-24.8	3.0	-9.3	7.6
		117	1	117	0.0	3062.7	3062.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3013.6	3013.6	-77.6	-24.8	3.0	-9.0	8.2
		117	1	117	0.0	2965.0	2965.0	-77.4	-24.8	3.0	-8.9	8.5
		117	1	117	0.0	2909.8	2909.8	-77.3	-24.8	3.0	-8.7	8.8
		117	1	117	0.0	2863.2	2863.2	-77.1	-24.8	3.0	-8.6	9.1
		117	1	117	0.0	2825.7	2825.7	-77.0	-24.8	3.0	-8.5	9.3
		117	1	117	0.0	2788.9	2788.9	-76.9	-24.8	3.0	-8.4	9.6
		117	1	117	0.0	2753.0	2753.0	-76.8	-24.8	3.0	-8.3	9.8
		117	1	117	0.0	2718.1	2718.1	-76.7	-24.8	3.0	-8.2	10.0
		117	1	117	0.0	2684.1	2684.1	-76.6	-24.8	3.0	-8.1	10.2
		117	1	117	0.0	2651.2	2651.2	-76.5	-24.8	3.0	-8.0	10.4
		117	1	117	0.0	2619.2	2619.2	-76.3	-24.8	3.0	-7.9	10.6
		117	1	117	0.0	2588.3	2588.3	-76.2	-24.8	3.0	-7.8	10.8
		117	1	117	0.0	2558.5	2558.5	-76.1	-24.8	3.0	-7.7	11.0
		117	1	117	0.0	2529.9	2529.9	-76.0	-24.8	3.0	-7.6	11.2
		117	1	117	0.0	2502.5	2502.5	-75.9	-24.8	3.0	-7.5	11.4
		117	1	117	0.0	2476.1	2476.1	-75.9	-24.8	3.0	-7.4	11.5
		117	1	117	0.0	2451.2	2451.2	-75.8	-24.8	3.0	-7.4	11.7
		117	1	117	0.0	2418.3	2418.3	-75.7	-24.8	3.0	-7.3	11.9
		117	1	117	0.0	2359.6	2359.6	-75.4	-24.8	3.0	-7.1	12.3
		117	1	117	0.0	2302.4	2302.4	-75.2	-24.8	3.0	-6.9	12.7
											CNL	25.9

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
CPA2071D		117	1	117	0.0	3130.2	3130.2	-77.9	-24.8	3.0	-9.4	7.5
		117	1	117	0.0	3121.2	3121.2	-77.9	-24.8	3.0	-9.4	7.6
		117	1	117	0.0	3112.3	3112.3	-77.8	-24.8	3.0	-9.3	7.6
		117	1	117	0.0	3103.3	3103.3	-77.8	-24.8	3.0	-9.3	7.7
		117	1	117	0.0	3094.4	3094.4	-77.8	-24.8	3.0	-9.3	7.7
		117	1	117	0.0	3085.4	3085.4	-77.8	-24.8	3.0	-9.3	7.8
		117	1	117	0.0	3076.4	3076.4	-77.7	-24.8	3.0	-9.2	7.8
		117	1	117	0.0	3067.5	3067.5	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3058.6	3058.6	-77.7	-24.8	3.0	-9.2	8.0
		117	1	117	0.0	3049.6	3049.6	-77.7	-24.8	3.0	-9.1	8.0
		117	1	117	0.0	3041.2	3041.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3040.2	3040.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3037.6	3037.6	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3030.2	3030.2	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3023.0	3023.0	-77.6	-24.8	3.0	-9.1	8.2
		117	1	117	0.0	3011.8	3011.8	-77.6	-24.8	3.0	-9.0	8.2
		117	1	117	0.0	2999.4	2999.4	-77.5	-24.8	3.0	-9.0	8.3
		117	1	117	0.0	2987.4	2987.4	-77.5	-24.8	3.0	-9.0	8.4
		117	1	117	0.0	2961.1	2961.1	-77.4	-24.8	3.0	-8.9	8.5
		117	1	117	0.0	2911.4	2911.4	-77.3	-24.8	3.0	-8.7	8.8
		117	1	117	0.0	2911.4	2911.4	-77.3	-24.8	3.0	-8.7	8.8
		117	1	117	0.0	2857.4	2857.4	-77.1	-24.8	3.0	-8.6	9.1
		117	1	117	0.0	2808.7	2808.7	-77.0	-24.8	3.0	-8.4	9.4
		117	1	117	0.0	2772.4	2772.4	-76.8	-24.8	3.0	-8.3	9.7
		117	1	117	0.0	2736.9	2736.9	-76.7	-24.8	3.0	-8.2	9.9
		117	1	117	0.0	2702.4	2702.4	-76.6	-24.8	3.0	-8.1	10.1
		117	1	117	0.0	2668.9	2668.9	-76.5	-24.8	3.0	-8.0	10.3
		117	1	117	0.0	2636.4	2636.4	-76.4	-24.8	3.0	-7.9	10.5
		117	1	117	0.0	2604.9	2604.9	-76.3	-24.8	3.0	-7.8	10.7
		117	1	117	0.0	2574.5	2574.5	-76.2	-24.8	3.0	-7.7	10.9
		117	1	117	0.0	2545.3	2545.3	-76.1	-24.8	3.0	-7.6	11.1
		117	1	117	0.0	2517.2	2517.2	-76.0	-24.8	3.0	-7.6	11.3
		117	1	117	0.0	2490.2	2490.2	-75.9	-24.8	3.0	-7.5	11.4
		117	1	117	0.0	2464.6	2464.6	-75.8	-24.8	3.0	-7.4	11.6
		117	1	117	0.0	2444.2	2444.2	-75.7	-24.8	3.0	-7.3	11.7
		117	1	117	0.0	2401.7	2401.7	-75.6	-24.8	3.0	-7.2	12.0
		117	1	117	0.0	2342.9	2342.9	-75.4	-24.8	3.0	-7.0	12.4
											CNL	26.2

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"* .

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
CPA2028D		117	1	117	0.0	3162.5	3162.5	-78.0	-24.8	3.0	-9.5	7.3
		117	1	117	0.0	3153.7	3153.7	-78.0	-24.8	3.0	-9.5	7.4
		117	1	117	0.0	3144.8	3144.8	-77.9	-24.8	3.0	-9.4	7.5
		117	1	117	0.0	3136.0	3136.0	-77.9	-24.8	3.0	-9.4	7.5
		117	1	117	0.0	3127.2	3127.2	-77.9	-24.8	3.0	-9.4	7.6
		117	1	117	0.0	3118.3	3118.3	-77.9	-24.8	3.0	-9.4	7.6
		117	1	117	0.0	3109.5	3109.5	-77.8	-24.8	3.0	-9.3	7.7
		117	1	117	0.0	3100.7	3100.7	-77.8	-24.8	3.0	-9.3	7.7
		117	1	117	0.0	3091.9	3091.9	-77.8	-24.8	3.0	-9.3	7.8
		117	1	117	0.0	3082.8	3082.8	-77.8	-24.8	3.0	-9.2	7.8
		117	1	117	0.0	3075.4	3075.4	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3073.7	3073.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3073.7	3073.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3073.7	3073.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3073.7	3073.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3073.7	3073.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3073.7	3073.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3073.7	3073.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3073.7	3073.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3073.7	3073.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3073.7	3073.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3073.7	3073.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3073.7	3073.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3073.7	3073.7	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3078.2	3078.2	-77.7	-24.8	3.0	-9.2	7.8
		117	1	117	0.0	3087.3	3087.3	-77.8	-24.8	3.0	-9.3	7.8
		117	1	117	0.0	3096.7	3096.7	-77.8	-24.8	3.0	-9.3	7.7
		117	1	117	0.0	3100.3	3100.3	-77.8	-24.8	3.0	-9.3	7.7
		117	1	117	0.0	3086.5	3086.5	-77.8	-24.8	3.0	-9.3	7.8
		117	1	117	0.0	3060.0	3060.0	-77.7	-24.8	3.0	-9.2	7.9
		117	1	117	0.0	3031.0	3031.0	-77.6	-24.8	3.0	-9.1	8.1
		117	1	117	0.0	3002.0	3002.0	-77.5	-24.8	3.0	-9.0	8.3
		117	1	117	0.0	2973.1	2973.1	-77.4	-24.8	3.0	-8.9	8.5
		117	1	117	0.0	2944.2	2944.2	-77.4	-24.8	3.0	-8.8	8.6
		117	1	117	0.0	2915.3	2915.3	-77.3	-24.8	3.0	-8.7	8.8
		117	1	117	0.0	2886.3	2886.3	-77.2	-24.8	3.0	-8.7	9.0
		117	1	117	0.0	2857.6	2857.6	-77.1	-24.8	3.0	-8.6	9.1
		117	1	117	0.0	2828.8	2828.8	-77.0	-24.8	3.0	-8.5	9.3
		117	1	117	0.0	2800.1	2800.1	-76.9	-24.8	3.0	-8.4	9.5
		117	1	117	0.0	2771.5	2771.5	-76.8	-24.8	3.0	-8.3	9.7
		117	1	117	0.0	2742.9	2742.9	-76.7	-24.8	3.0	-8.2	9.8
		117	1	117	0.0	2714.3	2714.3	-76.7	-24.8	3.0	-8.1	10.0
		117	1	117	0.0	2662.1	2662.1	-76.5	-24.8	3.0	-8.0	10.3
		117	1	117	0.0	2627.3	2627.3	-76.4	-24.8	3.0	-7.9	10.6
		117	1	117	0.0	2591.1	2591.1	-76.3	-24.8	3.0	-7.8	10.8
		117	1	117	0.0	2531.5	2531.5	-76.0	-24.8	3.0	-7.6	11.2
		117	1	117	0.0	2473.7	2473.7	-75.8	-24.8	3.0	-7.4	11.5
		117	1	117	0.0	2416.1	2416.1	-75.6	-24.8	3.0	-7.2	11.9
		117	1	117	0.0	2358.7	2358.7	-75.4	-24.8	3.0	-7.1	12.3
											CNL	25.8

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
HDA3073D		117	1	117	0.0	3563.3	3563.3	-79.0	-24.8	3.0	-10.7	5.1
		117	1	117	0.0	3567.1	3567.1	-79.0	-24.8	3.0	-10.7	5.1
		117	1	117	0.0	3570.8	3570.8	-79.0	-24.8	3.0	-10.7	5.1
		117	1	117	0.0	3574.6	3574.6	-79.0	-24.8	3.0	-10.7	5.0
		117	1	117	0.0	3578.4	3578.4	-79.1	-24.8	3.0	-10.7	5.0
		117	1	117	0.0	3582.3	3582.3	-79.1	-24.8	3.0	-10.7	5.0
		117	1	117	0.0	3586.1	3586.1	-79.1	-24.8	3.0	-10.8	5.0
		117	1	117	0.0	3590.0	3590.0	-79.1	-24.8	3.0	-10.8	5.0
		117	1	117	0.0	3594.0	3594.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3597.8	3597.8	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3601.8	3601.8	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3608.4	3608.4	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3610.0	3610.0	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3586.3	3586.3	-79.1	-24.8	3.0	-10.8	5.0
		117	1	117	0.0	3558.4	3558.4	-79.0	-24.8	3.0	-10.7	5.1
		117	1	117	0.0	3530.6	3530.6	-78.9	-24.8	3.0	-10.6	5.3
		117	1	117	0.0	3503.4	3503.4	-78.9	-24.8	3.0	-10.5	5.4
		117	1	117	0.0	3484.0	3484.0	-78.8	-24.8	3.0	-10.5	5.5
		117	1	117	0.0	3474.0	3474.0	-78.8	-24.8	3.0	-10.4	5.6
		117	1	117	0.0	3464.6	3464.6	-78.8	-24.8	3.0	-10.4	5.7
		117	1	117	0.0	3455.3	3455.3	-78.8	-24.8	3.0	-10.4	5.7
		117	1	117	0.0	3446.4	3446.4	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3437.6	3437.6	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3429.2	3429.2	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3420.9	3420.9	-78.7	-24.8	3.0	-10.3	5.9
		117	1	117	0.0	3413.0	3413.0	-78.6	-24.8	3.0	-10.2	5.9
		117	1	117	0.0	3405.3	3405.3	-78.6	-24.8	3.0	-10.2	6.0
		117	1	117	0.0	3397.9	3397.9	-78.6	-24.8	3.0	-10.2	6.0
		117	1	117	0.0	3390.7	3390.7	-78.6	-24.8	3.0	-10.2	6.1
		117	1	117	0.0	3383.9	3383.9	-78.6	-24.8	3.0	-10.2	6.1
		117	1	117	0.0	3375.5	3375.5	-78.5	-24.8	3.0	-10.1	6.1
		117	1	117	0.0	3355.0	3355.0	-78.5	-24.8	3.0	-10.1	6.3
		117	1	117	0.0	3303.5	3303.5	-78.4	-24.8	3.0	-9.9	6.5
		117	1	117	0.0	3252.4	3252.4	-78.2	-24.8	3.0	-9.8	6.8
		117	1	117	0.0	3201.7	3201.7	-78.1	-24.8	3.0	-9.6	7.1
		117	1	117	0.0	3151.4	3151.4	-78.0	-24.8	3.0	-9.5	7.4
		117	1	117	0.0	3101.2	3101.2	-77.8	-24.8	3.0	-9.3	7.7
											CNL	22.6

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
COA1089D		117	1	117	0.0	1863.8	1863.8	-73.4	-24.8	3.0	-5.6	15.8
		117	1	117	0.0	1871.6	1871.6	-73.4	-24.8	3.0	-5.6	15.8
		117	1	117	0.0	1879.2	1879.2	-73.5	-24.8	3.0	-5.6	15.7
		117	1	117	0.0	1887.0	1887.0	-73.5	-24.8	3.0	-5.7	15.7
		117	1	117	0.0	1894.6	1894.6	-73.5	-24.8	3.0	-5.7	15.6
		117	1	117	0.0	1902.5	1902.5	-73.6	-24.8	3.0	-5.7	15.5
		117	1	117	0.0	1910.2	1910.2	-73.6	-24.8	3.0	-5.7	15.5
		117	1	117	0.0	1917.9	1917.9	-73.6	-24.8	3.0	-5.8	15.4
		117	1	117	0.0	1925.7	1925.7	-73.7	-24.8	3.0	-5.8	15.4
		117	1	117	0.0	1933.5	1933.5	-73.7	-24.8	3.0	-5.8	15.3
		117	1	117	0.0	1941.3	1941.3	-73.7	-24.8	3.0	-5.8	15.3
		117	1	117	0.0	1949.1	1949.1	-73.8	-24.8	3.0	-5.8	15.2
		117	1	117	0.0	1957.0	1957.0	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1965.9	1965.9	-73.9	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1974.6	1974.6	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1980.9	1980.9	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1964.9	1964.9	-73.8	-24.8	3.0	-5.9	15.1
											CNL	32.2

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
DLH1142D		117	1	117	0.0	2276.9	2276.9	-75.1	-24.8	3.0	-6.8	12.9
		117	1	117	0.0	2269.2	2269.2	-75.1	-24.8	3.0	-6.8	12.9
		117	1	117	0.0	2261.5	2261.5	-75.1	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2253.8	2253.8	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2246.1	2246.1	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2238.4	2238.4	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2230.8	2230.8	-75.0	-24.8	3.0	-6.7	13.2
		117	1	117	0.0	2223.1	2223.1	-74.9	-24.8	3.0	-6.7	13.2
		117	1	117	0.0	2215.5	2215.5	-74.9	-24.8	3.0	-6.6	13.3
		117	1	117	0.0	2207.8	2207.8	-74.9	-24.8	3.0	-6.6	13.3
		117	1	117	0.0	2200.3	2200.3	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2193.0	2193.0	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2189.8	2189.8	-74.8	-24.8	3.0	-6.6	13.5
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2192.5	2192.5	-74.8	-24.8	3.0	-6.6	13.4
		117	1	117	0.0	2174.7	2174.7	-74.7	-24.8	3.0	-6.5	13.6
		117	1	117	0.0	2157.3	2157.3	-74.7	-24.8	3.0	-6.5	13.7
		117	1	117	0.0	2140.1	2140.1	-74.6	-24.8	3.0	-6.4	13.8
		117	1	117	0.0	2123.3	2123.3	-74.5	-24.8	3.0	-6.4	13.9
		117	1	117	0.0	2106.8	2106.8	-74.5	-24.8	3.0	-6.3	14.0
		117	1	117	0.0	2090.5	2090.5	-74.4	-24.8	3.0	-6.3	14.2
		117	1	117	0.0	2074.7	2074.7	-74.3	-24.8	3.0	-6.2	14.3
		117	1	117	0.0	2059.1	2059.1	-74.3	-24.8	3.0	-6.2	14.4
		117	1	117	0.0	2043.9	2043.9	-74.2	-24.8	3.0	-6.1	14.5
		117	1	117	0.0	2029.1	2029.1	-74.1	-24.8	3.0	-6.1	14.6
		117	1	117	0.0	2014.1	2014.1	-74.1	-24.8	3.0	-6.0	14.7
		117	1	117	0.0	1990.8	1990.8	-74.0	-24.8	3.0	-6.0	14.9
		117	1	117	0.0	1960.7	1960.7	-73.8	-24.8	3.0	-5.9	15.1
		117	1	117	0.0	1915.6	1915.6	-73.6	-24.8	3.0	-5.7	15.4
		117	1	117	0.0	1861.1	1861.1	-73.4	-24.8	3.0	-5.6	15.9
		117	1	117	0.0	1807.0	1807.0	-73.1	-24.8	3.0	-5.4	16.3
		117	1	117	0.0	1753.4	1753.4	-72.9	-24.8	3.0	-5.3	16.7
		117	1	117	0.0	1700.4	1700.4	-72.6	-24.8	3.0	-5.1	17.1
		117	1	117	0.0	1648.1	1648.1	-72.3	-24.8	3.0	-4.9	17.6
		117	1	117	0.0	1596.4	1596.4	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1545.4	1545.4	-71.8	-24.8	3.0	-4.6	18.4
		117	1	117	0.0	1495.2	1495.2	-71.5	-24.8	3.0	-4.5	18.9
											CNL	31.6

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
SRQ1102D		117	1	117	0.0	3743.1	3743.1	-79.4	-24.8	3.0	-11.2	4.1
		117	1	117	0.0	3735.2	3735.2	-79.4	-24.8	3.0	-11.2	4.2
		117	1	117	0.0	3727.4	3727.4	-79.4	-24.8	3.0	-11.2	4.2
		117	1	117	0.0	3719.6	3719.6	-79.4	-24.8	3.0	-11.2	4.3
		117	1	117	0.0	3711.9	3711.9	-79.4	-24.8	3.0	-11.1	4.3
		117	1	117	0.0	3704.2	3704.2	-79.4	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3696.5	3696.5	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3688.8	3688.8	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3682.4	3682.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3682.4	3682.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3682.4	3682.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3682.4	3682.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3682.4	3682.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3682.4	3682.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3682.4	3682.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3682.4	3682.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3682.4	3682.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3682.4	3682.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3682.4	3682.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3682.4	3682.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3682.4	3682.4	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3679.9	3679.9	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3669.6	3669.6	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3675.9	3675.9	-79.3	-24.8	3.0	-11.0	4.5
		117	1	117	0.0	3689.5	3689.5	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3703.1	3703.1	-79.4	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3717.0	3717.0	-79.4	-24.8	3.0	-11.2	4.3
		117	1	117	0.0	3731.1	3731.1	-79.4	-24.8	3.0	-11.2	4.2
		117	1	117	0.0	3745.4	3745.4	-79.5	-24.8	3.0	-11.2	4.1
		117	1	117	0.0	3759.9	3759.9	-79.5	-24.8	3.0	-11.3	4.1
		117	1	117	0.0	3771.1	3771.1	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3765.6	3765.6	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3742.5	3742.5	-79.4	-24.8	3.0	-11.2	4.1
		117	1	117	0.0	3688.8	3688.8	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3635.5	3635.5	-79.2	-24.8	3.0	-10.9	4.7
		117	1	117	0.0	3582.3	3582.3	-79.1	-24.8	3.0	-10.7	5.0
		117	1	117	0.0	3529.4	3529.4	-78.9	-24.8	3.0	-10.6	5.3
		117	1	117	0.0	3476.9	3476.9	-78.8	-24.8	3.0	-10.4	5.6
		117	1	117	0.0	3433.3	3433.3	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3433.3	3433.3	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3433.3	3433.3	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3433.3	3433.3	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3433.3	3433.3	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3433.3	3433.3	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3433.3	3433.3	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3433.3	3433.3	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3433.3	3433.3	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3433.3	3433.3	-78.7	-24.8	3.0	-10.3	5.8
		117	1	117	0.0	3433.3	3433.3	-78.7	-24.8	3.0	-10.3	5.8
											CNL	21.9

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
CAL6021D		117	1	117	0.0	1759.5	1759.5	-72.9	-24.8	3.0	-5.3	16.7
		117	1	117	0.0	1759.9	1759.9	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1760.4	1760.4	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1760.9	1760.9	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1761.4	1761.4	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1762.1	1762.1	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1762.7	1762.7	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1763.4	1763.4	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1764.1	1764.1	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1765.0	1765.0	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1765.8	1765.8	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1766.6	1766.6	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1770.5	1770.5	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1765.4	1765.4	-72.9	-24.8	3.0	-5.3	16.6
		117	1	117	0.0	1734.6	1734.6	-72.8	-24.8	3.0	-5.2	16.8
		117	1	117	0.0	1703.8	1703.8	-72.6	-24.8	3.0	-5.1	17.1
		117	1	117	0.0	1673.1	1673.1	-72.5	-24.8	3.0	-5.0	17.3
		117	1	117	0.0	1642.3	1642.3	-72.3	-24.8	3.0	-4.9	17.6
		117	1	117	0.0	1613.4	1613.4	-72.1	-24.8	3.0	-4.8	17.8
		117	1	117	0.0	1589.8	1589.8	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1572.6	1572.6	-71.9	-24.8	3.0	-4.7	18.2
		117	1	117	0.0	1576.4	1576.4	-71.9	-24.8	3.0	-4.7	18.2
		117	1	117	0.0	1581.7	1581.7	-72.0	-24.8	3.0	-4.7	18.1
		117	1	117	0.0	1587.6	1587.6	-72.0	-24.8	3.0	-4.8	18.1
		117	1	117	0.0	1594.0	1594.0	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1595.3	1595.3	-72.0	-24.8	3.0	-4.8	18.0
		117	1	117	0.0	1581.0	1581.0	-72.0	-24.8	3.0	-4.7	18.1
		117	1	117	0.0	1545.7	1545.7	-71.8	-24.8	3.0	-4.6	18.4
		117	1	117	0.0	1486.2	1486.2	-71.4	-24.8	3.0	-4.5	18.9
		117	1	117	0.0	1426.8	1426.8	-71.1	-24.8	3.0	-4.3	19.5
		117	1	117	0.0	1367.7	1367.7	-70.7	-24.8	3.0	-4.1	20.0
		117	1	117	0.0	1308.8	1308.8	-70.3	-24.8	3.0	-3.9	20.6
		117	1	117	0.0	1250.2	1250.2	-69.9	-24.8	3.0	-3.8	21.1
		117	1	117	0.0	1191.9	1191.9	-69.5	-24.8	3.0	-3.6	21.7
		117	1	117	0.0	1134.0	1134.0	-69.1	-24.8	3.0	-3.4	22.3
		117	1	117	0.0	1076.5	1076.5	-68.6	-24.8	3.0	-3.2	23.0
		117	1	117	0.0	1019.5	1019.5	-68.1	-24.8	3.0	-3.1	23.6
											CNL	35.3

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"* .

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
CPA6031D		117	1	117	0.0	2241.1	2241.1	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2241.4	2241.4	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2241.8	2241.8	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2242.3	2242.3	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2242.7	2242.7	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2243.3	2243.3	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2243.9	2243.9	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2244.4	2244.4	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2245.1	2245.1	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2245.8	2245.8	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2250.9	2250.9	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2250.9	2250.9	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2250.9	2250.9	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2250.9	2250.9	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2250.9	2250.9	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2250.9	2250.9	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2250.9	2250.9	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2250.9	2250.9	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2250.9	2250.9	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2250.9	2250.9	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2250.9	2250.9	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2250.9	2250.9	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2250.9	2250.9	-75.0	-24.8	3.0	-6.8	13.0
		117	1	117	0.0	2245.8	2245.8	-75.0	-24.8	3.0	-6.7	13.1
		117	1	117	0.0	2214.9	2214.9	-74.9	-24.8	3.0	-6.6	13.3
		117	1	117	0.0	2184.2	2184.2	-74.8	-24.8	3.0	-6.6	13.5
		117	1	117	0.0	2153.3	2153.3	-74.6	-24.8	3.0	-6.5	13.7
		117	1	117	0.0	2122.5	2122.5	-74.5	-24.8	3.0	-6.4	13.9
		117	1	117	0.0	2091.7	2091.7	-74.4	-24.8	3.0	-6.3	14.2
		117	1	117	0.0	2060.9	2060.9	-74.3	-24.8	3.0	-6.2	14.4
		117	1	117	0.0	2030.1	2030.1	-74.1	-24.8	3.0	-6.1	14.6
		117	1	117	0.0	1999.3	1999.3	-74.0	-24.8	3.0	-6.0	14.8
		117	1	117	0.0	1968.6	1968.6	-73.9	-24.8	3.0	-5.9	15.0
		117	1	117	0.0	1938.0	1938.0	-73.7	-24.8	3.0	-5.8	15.3
		117	1	117	0.0	1907.3	1907.3	-73.6	-24.8	3.0	-5.7	15.5
		117	1	117	0.0	1876.7	1876.7	-73.4	-24.8	3.0	-5.6	15.7
		117	1	117	0.0	1846.0	1846.0	-73.3	-24.8	3.0	-5.5	16.0
		117	1	117	0.0	1815.2	1815.2	-73.2	-24.8	3.0	-5.4	16.2
		117	1	117	0.0	1784.5	1784.5	-73.0	-24.8	3.0	-5.4	16.5
		117	1	117	0.0	1753.7	1753.7	-72.9	-24.8	3.0	-5.3	16.7
		117	1	117	0.0	1723.0	1723.0	-72.7	-24.8	3.0	-5.2	16.9
		117	1	117	0.0	1692.2	1692.2	-72.6	-24.8	3.0	-5.1	17.2
		117	1	117	0.0	1661.5	1661.5	-72.4	-24.8	3.0	-5.0	17.4
		117	1	117	0.0	1631.0	1631.0	-72.2	-24.8	3.0	-4.9	17.7
		117	1	117	0.0	1604.0	1604.0	-72.1	-24.8	3.0	-4.8	17.9
		117	1	117	0.0	1581.9	1581.9	-72.0	-24.8	3.0	-4.7	18.1
		117	1	117	0.0	1573.4	1573.4	-71.9	-24.8	3.0	-4.7	18.2
		117	1	117	0.0	1578.4	1578.4	-71.9	-24.8	3.0	-4.7	18.1
		117	1	117	0.0	1583.9	1583.9	-72.0	-24.8	3.0	-4.8	18.1
											CNL	32.0

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
QFA1213D		117	1	117	0.0	3959.0	3959.0	-79.9	-24.8	3.0	-11.9	3.0
		117	1	117	0.0	3954.0	3954.0	-79.9	-24.8	3.0	-11.9	3.0
		117	1	117	0.0	3949.2	3949.2	-79.9	-24.8	3.0	-11.8	3.1
		117	1	117	0.0	3944.2	3944.2	-79.9	-24.8	3.0	-11.8	3.1
		117	1	117	0.0	3939.3	3939.3	-79.9	-24.8	3.0	-11.8	3.1
		117	1	117	0.0	3935.4	3935.4	-79.9	-24.8	3.0	-11.8	3.1
		117	1	117	0.0	3932.3	3932.3	-79.9	-24.8	3.0	-11.8	3.1
		117	1	117	0.0	3929.3	3929.3	-79.9	-24.8	3.0	-11.8	3.2
		117	1	117	0.0	3926.3	3926.3	-79.9	-24.8	3.0	-11.8	3.2
		117	1	117	0.0	3923.2	3923.2	-79.9	-24.8	3.0	-11.8	3.2
		117	1	117	0.0	3920.2	3920.2	-79.8	-24.8	3.0	-11.8	3.2
		117	1	117	0.0	3916.8	3916.8	-79.8	-24.8	3.0	-11.8	3.2
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3911.1	3911.1	-79.8	-24.8	3.0	-11.7	3.3
		117	1	117	0.0	3919.8	3919.8	-79.8	-24.8	3.0	-11.8	3.2
		117	1	117	0.0	3941.3	3941.3	-79.9	-24.8	3.0	-11.8	3.1
		117	1	117	0.0	3956.0	3956.0	-79.9	-24.8	3.0	-11.9	3.0
		117	1	117	0.0	3968.8	3968.8	-80.0	-24.8	3.0	-11.9	3.0
		117	1	117	0.0	3981.9	3981.9	-80.0	-24.8	3.0	-11.9	2.9
		117	1	117	0.0	3995.0	3995.0	-80.0	-24.8	3.0	-12.0	2.8
		117	1	117	0.0	4008.4	4008.4	-80.0	-24.8	3.0	-12.0	2.8
		117	1	117	0.0	4022.1	4022.1	-80.1	-24.8	3.0	-12.1	2.7
		117	1	117	0.0	4030.0	4030.0	-80.1	-24.8	3.0	-12.1	2.6
		117	1	117	0.0	4020.6	4020.6	-80.1	-24.8	3.0	-12.1	2.7
		117	1	117	0.0	3989.0	3989.0	-80.0	-24.8	3.0	-12.0	2.9
		117	1	117	0.0	3934.3	3934.3	-79.9	-24.8	3.0	-11.8	3.1
		117	1	117	0.0	3879.8	3879.8	-79.8	-24.8	3.0	-11.6	3.4
		117	1	117	0.0	3825.5	3825.5	-79.6	-24.8	3.0	-11.5	3.7
		117	1	117	0.0	3771.5	3771.5	-79.5	-24.8	3.0	-11.3	4.0
		117	1	117	0.0	3717.7	3717.7	-79.4	-24.8	3.0	-11.2	4.3
		117	1	117	0.0	3664.1	3664.1	-79.3	-24.8	3.0	-11.0	4.6
		117	1	117	0.0	3610.8	3610.8	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3557.8	3557.8	-79.0	-24.8	3.0	-10.7	5.1
		117	1	117	0.0	3505.2	3505.2	-78.9	-24.8	3.0	-10.5	5.4
		117	1	117	0.0	3452.7	3452.7	-78.7	-24.8	3.0	-10.4	5.7
		117	1	117	0.0	3400.5	3400.5	-78.6	-24.8	3.0	-10.2	6.0
		117	1	117	0.0	3348.8	3348.8	-78.5	-24.8	3.0	-10.0	6.3
		117	1	117	0.0	3297.4	3297.4	-78.3	-24.8	3.0	-9.9	6.6
											CNL	20.7

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.

Year 2021 - Night Time Period (All Runway)

NSR: SLW-1

Flight ID	APU Familiy	Sound Power Level (SWL)			Distance to NSR (m)			Correction, dB(A)				Corrected Noise Level, dB(A)
		SWL, dB(A)*	Quantity	Total SWL, dB(A)	Vert	Hori	Slant	Dist.	Time Corr.	Façade	Atmospheric corr.^	
CPA2029D		117	1	117	0.0	3722.4	3722.4	-79.4	-24.8	3.0	-11.2	4.3
		117	1	117	0.0	3719.3	3719.3	-79.4	-24.8	3.0	-11.2	4.3
		117	1	117	0.0	3716.1	3716.1	-79.4	-24.8	3.0	-11.1	4.3
		117	1	117	0.0	3713.0	3713.0	-79.4	-24.8	3.0	-11.1	4.3
		117	1	117	0.0	3709.9	3709.9	-79.4	-24.8	3.0	-11.1	4.3
		117	1	117	0.0	3706.8	3706.8	-79.4	-24.8	3.0	-11.1	4.3
		117	1	117	0.0	3703.8	3703.8	-79.4	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3700.7	3700.7	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3697.7	3697.7	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3694.7	3694.7	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3692.0	3692.0	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3695.8	3695.8	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3699.9	3699.9	-79.3	-24.8	3.0	-11.1	4.4
		117	1	117	0.0	3685.2	3685.2	-79.3	-24.8	3.0	-11.1	4.5
		117	1	117	0.0	3656.0	3656.0	-79.2	-24.8	3.0	-11.0	4.6
		117	1	117	0.0	3626.8	3626.8	-79.2	-24.8	3.0	-10.9	4.8
		117	1	117	0.0	3597.5	3597.5	-79.1	-24.8	3.0	-10.8	4.9
		117	1	117	0.0	3568.3	3568.3	-79.0	-24.8	3.0	-10.7	5.1
		117	1	117	0.0	3539.1	3539.1	-79.0	-24.8	3.0	-10.6	5.2
		117	1	117	0.0	3510.0	3510.0	-78.9	-24.8	3.0	-10.5	5.4
		117	1	117	0.0	3480.9	3480.9	-78.8	-24.8	3.0	-10.4	5.6
		117	1	117	0.0	3451.8	3451.8	-78.7	-24.8	3.0	-10.4	5.7
		117	1	117	0.0	3422.8	3422.8	-78.7	-24.8	3.0	-10.3	5.9
		117	1	117	0.0	3393.9	3393.9	-78.6	-24.8	3.0	-10.2	6.0
		117	1	117	0.0	3364.8	3364.8	-78.5	-24.8	3.0	-10.1	6.2
		117	1	117	0.0	3334.4	3334.4	-78.4	-24.8	3.0	-10.0	6.4
		117	1	117	0.0	3304.1	3304.1	-78.4	-24.8	3.0	-9.9	6.5
		117	1	117	0.0	3276.2	3276.2	-78.3	-24.8	3.0	-9.8	6.7
		117	1	117	0.0	3248.2	3248.2	-78.2	-24.8	3.0	-9.7	6.9
		117	1	117	0.0	3220.4	3220.4	-78.1	-24.8	3.0	-9.7	7.0
		117	1	117	0.0	3192.5	3192.5	-78.1	-24.8	3.0	-9.6	7.2
		117	1	117	0.0	3164.8	3164.8	-78.0	-24.8	3.0	-9.5	7.3
		117	1	117	0.0	3137.1	3137.1	-77.9	-24.8	3.0	-9.4	7.5
		117	1	117	0.0	3109.5	3109.5	-77.8	-24.8	3.0	-9.3	7.7
		117	1	117	0.0	3081.9	3081.9	-77.8	-24.8	3.0	-9.2	7.8
		117	1	117	0.0	3054.4	3054.4	-77.7	-24.8	3.0	-9.2	8.0
		117	1	117	0.0	3027.1	3027.1	-77.6	-24.8	3.0	-9.1	8.1
											CNL	22.5

Remarks:

(*) The worst reference noise level of 65 dBA at a distance of 152 m (i.e. SWL 117 dBA) for the APU of Large Pass./Freights (B747) (Source: www.m-a-g.fsnet.co.uk) is assumed for all APUs.

(^) An atmospheric correction (assumed at 500 Hz, 23.6°C, RH 68.3%) has been accounted for in accordance with *ISO-9613 "Acoustics - Attenuation of sound during propagation outdoors – Part 1: Calculation of the absorption of sound by the atmosphere"*.

[1] Equivalent stationary locations for each APU have been adopted with the total operation time of 1 min. (before the aircraft reaching the gate) / 5 mins. (after the aircraft leaving the gate) throughout the 30 mins. period under the runway utilization mode of arrival / departure, respectively.