



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

January 24, 2020

Attachment 8 – Accident Flight Weight and Balance

OPERATIONAL FACTORS

DCA19CA081

19:30:24z

QU DDLXCXA

.PERFFCP 131930

M34

AN N613CZ/FI CP5763

- 64848,7.2,FLT RLS TIME

5763 1 1930Z

WIND OAT C QNH

000/00 17 29.97

SEC A SEC D CG/PGTOW

12/0 18/0 19.3/80348

SEC B SEC E CG/ ZFW

10/2 13/3 23.5/64848

SEC C TOT BAG/CGO FUEL

8 /4 45 / 0 16000

REMARKS

NO LIVE

KSNA 20R 5701

DT H196 0.2

FLEX-T/O-1-ECS ON

FLEX MRTW/LIM V1 123

32C 81333/O VR 125

FLAP MTOW V2 128

4 81333 VFS 200

STAB CTOW/CG ACCEL

2.9 80848/19.3 1056

DAFD

19:30:25z

QU DDLXCXA

.PERFFCP 131930

M34

AN N613CZ/FI CP5763

- 64848,7.2,FLT RLS TIME

5763 1 1930Z

WIND OAT C QNH

000/00 17 29.97

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REMARKS

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FLEX MRTW/LIM V1 123
32C 81333/O VR 125
FLAP MTOW V2 128
4 81333 VFS 200
STAB CTOW/CG ACCEL
2.9 80848/19.3 1056

DAFD

19:30:35z
QU DDLXCXA
.PERFFCP 131930
M34
AN N613CZ/FI CP5763
- 64848,7.2,FLT RLS TIME
5763 1 1930Z
WIND OAT C QNH
000/00 17 29.97
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12/0 18/0 19.3/80348
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10/2 13/3 23.5/64848
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REMARKS
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KSNA 20R 5701
DT H196 0.2
FLEX-T/O-1-ECS ON
FLEX MRTW/LIM V1 123
32C 81333/O VR 125
FLAP MTOW V2 128
4 81333 VFS 200
STAB CTOW/CG ACCEL
2.9 80848/19.3 1056

DAFD

20:46:52z

Landing Request

AeroData Code	=	91
Message Format ID	=	F
ICAO Origin Code	=	KSNA
ICAO Destination Code	=	KSEA
Runway 1	=	16R
Runway 2	=	34L
Surface Code	=	0 (Dry)
Runway Condition Code	=	0 (6-DRY)
Runway Condition Code - Thirds	=	
Flaps	=	0 (5)
Wind Direction	=	000
Wind Speed	=	00
OAT °C	=	
QNH	=	
Estimated Landing Weight	=	72048
Anti-Ice	=	0 (Off)
Visibility	=	0 (Normal)
Ice Accretion	=	0 (No)
Stall Protection Ice Speed	=	0 (No)
Thrust Reverser Credit	=	0 (No)
QRH Factor	=	
QRH Vrf Add	=	0
Control Code	=	CF13

20:46:55z

FLT	LDW	TIME
5763	72048	2046Z
WIND	OAT C	QNH
000/00	3	29.62

REMARKS
NONE

KSEA 16R 8500
ECS ON

FLAP MLDW/LIM VREF 131
5 75177/S
LDW VAC 156
72048 VFS 189
MIN REQUIRED DIST 3922F
DEMONSTRATED DIST 3410F

KSEA 34L 8500
ECS ON

FLAP MLDW/LIM VREF 131
5 75177/S
LDW VAC 156
72048 VFS 189
MIN REQUIRED DIST 3858F
DEMONSTRATED DIST 3354F

20:47:00z

Landing Request

AeroData Code	= 91
Message Format ID	= F
ICAO Origin Code	= KSNA
ICAO Destination Code	= KSEA
Runway 1	= 16R
Runway 2	= 34L
Surface Code	= 0 (Dry)
Runway Condition Code	= 0 (6-DRY)
Runway Condition Code - Thirds	=
Flaps	= 0 (5)
Wind Direction	= 000
Wind Speed	= 00
OAT °C	=
QNH	=
Estimated Landing Weight	= 75848
Anti-Ice	= 0 (Off)
Visibility	= 0 (Normal)
Ice Accretion	= 0 (No)
Stall Protection Ice Speed	= 0 (No)
Thrust Reverser Credit	= 0 (No)

QRH Factor =
QRH Vrf Add = 0
Control Code = B8D6

20:47:01z

QU DDLXCXA
.PERFFCP 132047
M36
AN N613CZ/FI CP5763
- FLT LDW TIME
5763 75848 2047Z
WIND OAT C QNH
000/00 3 29.62

REMARKS
NONE

KSEA 16R 8500
ECS ON

FLAP MLDW/LIM VREF 135
5 75177/S
LDW VAC 161
75848 VFS 194
MIN REQUIRED DIST 4081F
DEMONSTRATED DIST 3549F
/SMLDW EXCEEDED BY 671//
KSEA 34L 8500
ECS ON

FLAP MLDW/LIM VREF 135
5 75177/S
LDW VAC 161
75848 VFS 194
MIN REQUIRED DIST 4013F
DEMONSTRATED DIST 3490F
/SMLDW EXCEEDED BY 671//
C83A