

Factual Report – Attachment 2
Flight Release and Weather Packet

OPERATIONAL FACTORS/HUMAN PERFORMANCE

DCA18IA081

Packet Information for Flight 2184

===== QX Briefing Packet =====
===== Release =====

= Dispatch Release QX 2184 -SEA- 20171229 =
===== FLT RELEASE RC#: 6779 ===== FLT: 2184 CITY: SEA ===

HORIZON AIR IFR DISPATCH RELEASE REV 0

LG FLT DEP/TIME ARV/TIME BO AF RE CT MT OP AL1 AL2 TOA PYLD PX
1 2184 SEA/0123 PUW/0224 20 24 19 09 072 084 SEA 09200 42
FLIGHT PLAN- 210 DCT SEA DCT NORMY J90 MWH DCT PUW DCT 0039

RELEASE LEGS- 1 - 1 / / DATE- 29DEC2017
ACFT- 412
CAPTAIN-WILCOX DAVID CR DISPATCHER-WINONA C /SELCAL 24

REMARKS-
GOOD EVE DAVE AND DEREK
CT: ATC/WX

KSEA -FF QXE/AR 11/2
PLS CONTACT IDS FOR DEICE COORDINATION ON PRIMARY FREQ 129.325.
BACK UP FREQ 129.95 AND 131.87. REQUEST ALL TACTILE INSPECTIONS
THROUGH IDS.

GEN -FF QXE/GE 12/27
PLEASE CONTACT THE DE-ICING COORDINATOR 15 MINUTES PRIOR TO DE-ICING.

KPUW -FF QXE/AR 07/180
DURING PERIODS OF PUW RCO OUTAGE CONTACT FSS
[REDACTED]
TO CANCEL IFR OR OBTAIN IFR CLEARANCE

-----	MEL STATUS	-----	
TAIL RSI	REF	WRITE UP	CAT/EXPDATE
NO MEL'S			
-----	CDL STATUS	-----	
TAIL RSI	REF	WRITE UP	EXPDATE
NO CDL'S			

CAT	RNP	LPV
III	0.1	YES
---	---	---

NEXT LEG (NOT RELEASED) PUW-SEA FLT 2203 A/C 412 PAX 26

CAPTAIN..... DISPATCHER.....
I AFFIRM I AM FIT FOR DUTY PER 14 CFR 117.5.

FIRST OFFICER -MULVIHILL DEREK HR

FIRST OFFICER.....
I AFFIRM I AM FIT FOR DUTY PER 14 CFR 117.5.

End of Release.
===== Release Copy 2 =====

= Dispatch Release QX 2184 -SEA- 20171229 =
===== FLT RELEASE RC#: 6779 ===== FLT: 2184 CITY: SEA ===

HORIZON AIR IFR DISPATCH RELEASE REV 0

LG FLT DEP/TIME ARV/TIME BO AF RE CT MT OP AL1 AL2 TOA PYLD PX
1 2184 SEA/0123 PUW/0224 20 24 19 09 072 084 SEA 09200 42
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ACFT- 412
CAPTAIN-WILCOX DAVID CR DISPATCHER-WINONA C /SELCAL 24

REMARKS-
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CT: ATC/WX

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THROUGH IDS.

GEN -FF QXE/GE 12/27
PLEASE CONTACT THE DE-ICING COORDINATOR 15 MINUTES PRIOR TO DE-ICING.

KPUW -FF QXE/AR 07/180
DURING PERIODS OF PUW RCO OUTAGE CONTACT FSS
888-766-8267
TO CANCEL IFR OR OBTAIN IFR CLEARANCE

-----	MEL STATUS	-----	
TAIL RSI	REF	WRITE UP	CAT/EXPDATE
NO MEL'S			
-----	CDL STATUS	-----	
TAIL RSI	REF	WRITE UP	EXPDATE
NO CDL'S			

CAT	RNP	LPV
III	0.1	YES
---	---	---

NEXT LEG (NOT RELEASED) PUW-SEA FLT 2203 A/C 412 PAX 26

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End of Release.

===== FLT PLN RC#: 6779 ===== Flt: 2184 City: SEA ===
===== FLT PLN RC#: 6779 ===== Flt: 2184 City: SEA =====
QXE2184 /30DEC17 SEA PUW ACFT N412QX PERF ID-HSC
CLIMB-Type I CRUISE-HSC DESCENT-Type I

SEA	FUEL	FL	TIME	DIST	ISA/WIND	ATC ROUTING
PUW	1866	210	00+39	222	P02/T078	F01/KSEA.SEA.NORMY J90
						MWH.PUW.KPUW
AL1 SEA	2430	200	01+06	252	P03/H067	ALT/KPUW..PUW..PSC V204
						YKM V4 CHINS CHINS2
						KSEA

RE	1889				
CT	860				
TAXI	140				
MIN	7185	PZFW	PTOW	PLDW	
TF	1215	49304	57564	55698	
OPT	8400				

PLANNED PAYLOAD	9200
PAYLOAD CAPABILITY	15502
BURN INCREASE PER 1000 TOW	8

MTOW 65200 MLDW 62000
MTOW ADJUSTED FOR MLDW 63866
METW 65200

FL	WIND/ISA	RTE	DIST	MAG	TIME	ETA	BURN	ACTUAL
KIAS	TAS/GS	WPT	DTGO	HDG	TTREM	ATA	FREM	FREM
		-----	-----		-----		-----	
		KSEA	222		00+39			

CLM	198/017M05	..	1	162	00+01	.....	16
		SEA	221		00+38	.....	8244
		116.8					
CLM	246/058 00	..	24	083	00+06	.....	414
		NORMY	197		00+32	.....	7846
CLM	252/091P01	J90	27	080	00+05	.....	767
		TOC	170		00+27	.....	7493
FL210	252/091P01	J90	26	080	00+04	.....	923
257 KIAS	350/435	BLUIT	144		00+23	.....	7337
FL210	253/085P03	J90	41	094	00+06	.....	1169
255 KIAS	349/419	TOD	103		00+17	.....	7091
DSC	250/091P03	J90	5	094	00+00	.....	1203
		MWH	98		00+17	.....	7057
		115.0					
DSC	240/036M02	..	92	102	00+15	.....	1730
		PUW	6		00+02	.....	6530
		109.0					
DSC	231/030M04	..	6		00+02		1866
		KPUW	0		00+00		6394

ETA PUW

WINDS ALOFT

	6000	10000	14000	18000	20000	22000	24000	25000
SEA	2346P01	2450M05	2566M13	2581M20	2589M24	2597M28	7404M31	7406M34
NORMY	2241P00	2551M05	2566M13	2581M20	2589M24	2597M28	7504M31	7506M34
BLUIT	2125M01	2552M06	2567M13	2680M20	2588M24	2595M27	7502M31	7505M34
MWH	2229M01	2651M05	2663M12	2676M18	2682M22	2588M26	2594M31	2596M33
PUW	2436P01	2647M05	2658M11	2769M18	2674M22	2679M26	2685M30	2688M33
KPUW	2434P01	2647M05	2757M11	2766M18	2771M22	2676M26	2681M30	2685M33

***** T E R R A I N C L E A R A N C E *****

SEA TO PUW

TERRAIN CLEARANCE COMPUTED: ANTI-ICE ON
TERRAIN CLEARANCE ALTITUDE: 10,341 FT.

DEPARTURE TERRAIN CLEARANCE WEIGHT 65.2 ISA TEMP DEV +02

***** T E R R A I N C L E A R A N C E *****

LANDING ALTERNATE(S) - SEA

ROUTING: PUW PUW PSC GUSSE PAIDS MARLI PAPPS MARRK YKM GLEED TITON CADED
CHINS RADDY HUMPP AUBRN SEA

TERRAIN CLEARANCE COMPUTED: ANTI-ICE ON
TERRAIN CLEARANCE ALTITUDE: 8,402 FT.

TERRAIN CLEARANCE WEIGHT 63.3 ISA TEMP DEV +10

(FPL-QXE2184-IS
-DH8D/M-SBDFGIRZ/S
-KSEA0147
-N0350F210 DCT SEA DCT NORMY J90 MWH DCT PUW DCT
-KPUW0039 KSEA
-PBN/C2D2O2S2T1 NAV/RNVD1E2A1 SBAS DOF/171230 REG/N412QX PER/C)

29DEC17/2337Z=====\\fltopsfs.alaskaair.com\fltops\fltdat\perf_files\6779.dat=====

===== Performance Data RC#: 6779

TAKEOFF AND LANDING REPORT QXE 2184 SEA-PUW 29DEC17

TLR-6779 SEQ-103231182 29DEC17 2340Z

A/C 412 DHC8-402 PW150A

/// TAKEOFF DATA ///

APT	PRWY	POAT	PWIND	PQNH	PMRTW	FLP	MAXV1	PTOW	MFPTW
SEA	16L	9.0	000M00	29.71	652	15	114	575	640

RMKS NONE

RWY OAT WIND QNH MRTW FLP MAXV1 PWR CONFIG/CONDITION

----- RUNWAY INFO -----

RWY	LENGTH	PMTOW	EFP	NOTES
16C	9426	640	SPECIAL	
16C/D	9165	640	SPECIAL	
16C/E	8075	640	SPECIAL	
16L	11901	640	SPECIAL	
16L/D	11640	640	SPECIAL	
16L/E	10550	640	SPECIAL	
16L/H	8820	640	SPECIAL	
16L/L	6910	640	SPECIAL	
16R	8500	640	SPECIAL	
34C	9426	640	SPECIAL	
34L	8500	640	SPECIAL	
34R	11901	640	SPECIAL	NOTAMS A3632/17
34R/S	10071	640	SPECIAL	NOTAMS A3632/17
34R/Q	9386	640	SPECIAL	NOTAMS A3632/17
34R/P	9056	640	SPECIAL	NOTAMS A3632/17
34R/M	6521	640	SPECIAL	NOTAMS A3632/17

----- SPECIAL ENG FAIL TAKEOFF PROCEDURES -----

RWY	CLB	VIA	REACHING	OR	TURN	FRA	HOLD
16C		-SEA R161				1433	
-IF SEA VOR OTS USE PAE R-163 - EARLY ALL ENG OPERATING TURN ABOVE							
500 FT AFE OK							
16L		-SEA R161				1433	
-IF SEA VOR OTS USE PAE R-163 - EARLY ALL ENG OPERATING TURN ABOVE							
500 FT AFE OK							
16R		-SEA R161				1433	
-IF SEA VOR OTS USE PAE R-163 - EARLY ALL ENG OPERATING TURN ABOVE							
500 FT AFE OK							
34C		-SEA R341				1500	
-IF SEA VOR OTS USE PAE R-163 - EARLY ALL ENG OPERATING TURN ABOVE							
500 FT AFE OK							
34L		-SEA R341				1500	
-IF SEA VOR OTS USE PAE R-163 - EARLY ALL ENG OPERATING TURN ABOVE							
500 FT AFE OK							
34R		-SEA R341				1500	
-IF SEA VOR OTS USE PAE R-163 - EARLY ALL ENG OPERATING TURN ABOVE							
500 FT AFE OK							

----- NTOP - DRY RWY - BLDS ON - NO FLUIDS - NO ICING -----

	16C	16C/D	16C/E	16L
	9426 FT	9165 FT	8075 FT	11901 FT
	SPECIAL	SPECIAL	SPECIAL	SPECIAL
OAT TRQ	FLAP 15	FLAP 15	FLAP 15	FLAP 15
13 90.3	652 A 15	652 A 15	652 A 15	652 A 15
12 90.3	652 A 15	652 A 15	652 A 15	652 A 15
11 90.3	652 A 15	652 A 15	652 A 15	652 A 15
10 90.3	652 A 15	652 A 15	652 A 15	652 A 15
/ 09 90.3	652 A 15	/ 652 A 15	/ 652 A 15	/ 652 A 15
08 90.3	652 A 15	652 A 15	652 A 15	652 A 15
07 90.3	652 A 15	652 A 15	652 A 15	652 A 15
06 90.3	652 A 15	652 A 15	652 A 15	652 A 15
05 90.3	652 A 15	652 A 15	652 A 15	652 A 15
HW/10KT	0 0	0 0	0 0	0 0
TW/10KT	0 0	0 0	0 0	0 0
BL OFF .0	0 0	0 0	0 0	0 0
FLUIDS	0 2	0 2	0 2	0 2
ICING	-55 -6	-55 -6	-55 -6	-55 -6

	16L/D	16L/E	16L/H	16L/L
	11640 FT	10550 FT	8820 FT	6910 FT
	SPECIAL	SPECIAL	SPECIAL	SPECIAL
OAT TRQ	FLAP 15	FLAP 15	FLAP 15	FLAP 15
13 90.3	652 A 15	652 A 15	652 A 15	652 A 15
12 90.3	652 A 15	652 A 15	652 A 15	652 A 15
11 90.3	652 A 15	652 A 15	652 A 15	652 A 15
10 90.3	652 A 15	652 A 15	652 A 15	652 A 15
/ 09 90.3	652 A 15	/ 652 A 15	/ 652 A 15	/ 652 A 15

08 90.3	652 A 15	652 A 15	652 A 15	652 A 15
07 90.3	652 A 15	652 A 15	652 A 15	652 A 15
06 90.3	652 A 15	652 A 15	652 A 15	652 A 15
05 90.3	652 A 15	652 A 15	652 A 15	652 A 15
HW/10KT	0 0	0 0	0 0	0 0
TW/10KT	0 0	0 0	0 0	0 0
BL OFF .0	0 0	0 0	0 0	0 0
FLUIDS	0 2	0 2	0 2	0 2
ICING	-55 -6	-55 -6	-55 -6	-55 -6

	16R	34C	34L	34R
	8500 FT	9426 FT	8500 FT	11901 FT
	SPECIAL	SPECIAL	SPECIAL	SPECIAL
OAT TRQ	FLAP 15	FLAP 15	FLAP 15	FLAP 15
13 90.3	652 A 15	652 A 15	652 A 15	652 A 15
12 90.3	652 A 15	652 A 15	652 A 15	652 A 15
11 90.3	652 A 15	652 A 15	652 A 15	652 A 15
10 90.3	652 A 15	652 A 15	652 A 15	652 A 15
/ 09 90.3	652 A 15	/ 652 A 15	/ 652 A 15	/ 652 A 15
08 90.3	652 A 15	652 A 15	652 A 15	652 A 15
07 90.3	652 A 15	652 A 15	652 A 15	652 A 15
06 90.3	652 A 15	652 A 15	652 A 15	652 A 15
05 90.3	652 A 15	652 A 15	652 A 15	652 A 15
HW/10KT	0 0	0 0	0 0	0 0
TW/10KT	0 0	0 0	0 0	0 0
BL OFF .0	0 0	0 0	0 0	0 0
FLUIDS	0 2	0 2	0 2	0 2
ICING	-55 -6	-55 -6	-55 -6	-55 -6

	34R/M	34R/P	34R/Q	34R/S
	6521 FT	9056 FT	9386 FT	10071 FT
	SPECIAL	SPECIAL	SPECIAL	SPECIAL
OAT TRQ	FLAP 15	FLAP 15	FLAP 15	FLAP 15
13 90.3	652 A 15	652 A 15	652 A 15	652 A 15
12 90.3	652 A 15	652 A 15	652 A 15	652 A 15
11 90.3	652 A 15	652 A 15	652 A 15	652 A 15
10 90.3	652 A 15	652 A 15	652 A 15	652 A 15
/ 09 90.3	652 A 15	/ 652 A 15	/ 652 A 15	/ 652 A 15
08 90.3	652 A 15	652 A 15	652 A 15	652 A 15
07 90.3	652 A 15	652 A 15	652 A 15	652 A 15
06 90.3	652 A 15	652 A 15	652 A 15	652 A 15
05 90.3	652 A 15	652 A 15	652 A 15	652 A 15
HW/10KT	0 0	0 0	0 0	0 0
TW/10KT	-6 -1	0 0	0 0	0 0
BL OFF .0	0 0	0 0	0 0	0 0
FLUIDS	0 2	0 2	0 2	0 2
ICING	-55 -6	-55 -6	-55 -6	-55 -6

----- NTOP - DRY RWY - BLDs ON - NO FLUIDS - ICING - FLAPS 10 -----

	16C	16C/D	16C/E	16L
OAT TRQ	FLAP 10	FLAP 10	FLAP 10	FLAP 10
13 90.3	652 A 20	652 A 20	652 A 20	652 A 20
12 90.3	652 A 20	652 A 20	652 A 20	652 A 20
11 90.3	652 A 20	652 A 20	652 A 20	652 A 20
10 90.3	652 A 20	652 A 20	652 A 20	652 A 20
/ 09 90.3	652 A 20	/ 652 A 20	/ 652 A 20	/ 652 A 20
08 90.3	652 A 20	652 A 20	652 A 20	652 A 20
07 90.3	652 A 20	652 A 20	652 A 20	652 A 20
06 90.3	652 A 20	652 A 20	652 A 20	652 A 20
05 90.3	634 C 17	634 C 17	634 C 17	634 C 17
HW/10KT	0 0	0 0	0 0	0 0
TW/10KT	0 0	0 0	0 0	0 0
BL OFF .0	-1 0	-1 0	-1 0	-1 0
FLUIDS	0 2	0 2	0 2	0 2

	16L/D	16L/E	16L/H	16L/L
OAT TRQ	FLAP 10	FLAP 10	FLAP 10	FLAP 10
13 90.3	652 A 20	652 A 20	652 A 20	652 A 20
12 90.3	652 A 20	652 A 20	652 A 20	652 A 20
11 90.3	652 A 20	652 A 20	652 A 20	652 A 20
10 90.3	652 A 20	652 A 20	652 A 20	652 A 20
/ 09 90.3	652 A 20	/ 652 A 20	/ 652 A 20	/ 652 A 20
08 90.3	652 A 20	652 A 20	652 A 20	652 A 20
07 90.3	652 A 20	652 A 20	652 A 20	652 A 20
06 90.3	652 A 20	652 A 20	652 A 20	652 A 20

05 90.3	634 C 17	634 C 17	634 C 17	634 C 17
HW/10KT	0 0	0 0	0 0	0 0
TW/10KT	0 0	0 0	0 0	0 2
BL OFF .0	-1 0	-1 0	-1 0	-1 0
FLUIDS	0 2	0 2	0 2	0 2

	16R	34C	34L	34R
OAT TRQ	FLAP 10	FLAP 10	FLAP 10	FLAP 10
13 90.3	652 A 20	652 A 20	652 A 20	652 A 20
12 90.3	652 A 20	652 A 20	652 A 20	652 A 20
11 90.3	652 A 20	652 A 20	652 A 20	652 A 20
10 90.3	652 A 20	652 A 20	652 A 20	652 A 20
/ 09 90.3	652 A 20	/ 652 A 20	/ 652 A 20	/ 652 A 20
08 90.3	652 A 20	652 A 20	652 A 20	652 A 20
07 90.3	652 A 20	652 A 20	652 A 20	652 A 20
06 90.3	652 A 20	652 A 20	652 A 20	652 A 20
05 90.3	634 C 17	634 C 17	634 C 17	634 C 17
HW/10KT	0 0	0 0	0 0	0 0
TW/10KT	0 0	0 0	0 0	0 0
BL OFF .0	-1 0	-1 0	-1 0	-1 0
FLUIDS	0 2	0 2	0 2	0 2

	34R/M	34R/P	34R/Q	34R/S
OAT TRQ	FLAP 10	FLAP 10	FLAP 10	FLAP 10
13 90.3	652 A 20	652 A 20	652 A 20	652 A 20
12 90.3	652 A 20	652 A 20	652 A 20	652 A 20
11 90.3	652 A 20	652 A 20	652 A 20	652 A 20
10 90.3	652 A 20	652 A 20	652 A 20	652 A 20
/ 09 90.3	652 A 20	/ 652 A 20	/ 652 A 20	/ 652 A 20
08 90.3	652 A 20	652 A 20	652 A 20	652 A 20
07 90.3	652 A 20	652 A 20	652 A 20	652 A 20
06 90.3	652 A 20	652 A 20	652 A 20	652 A 20
05 90.3	634 C 17	634 C 17	634 C 17	634 C 17
HW/10KT	0 0	0 0	0 0	0 0
TW/10KT	-28 -3	0 0	0 0	0 0
BL OFF .0	-1 0	-1 0	-1 0	-1 0
FLUIDS	-4 2	0 2	0 2	0 2

----- NTOP - DRY RWY - BLDS OFF - NO FLUIDS - NO ICING -----

	16C	16C/D	16C/E	16L
OAT TRQ	FLAP 15	FLAP 15	FLAP 15	FLAP 15
13 90.3	652 A 15	652 A 15	652 A 15	652 A 15
12 90.3	652 A 15	652 A 15	652 A 15	652 A 15
11 90.3	652 A 15	652 A 15	652 A 15	652 A 15
10 90.3	652 A 15	652 A 15	652 A 15	652 A 15
/ 09 90.3	652 A 15	/ 652 A 15	/ 652 A 15	/ 652 A 15
08 90.3	652 A 15	652 A 15	652 A 15	652 A 15
07 90.3	652 A 15	652 A 15	652 A 15	652 A 15
06 90.3	652 A 15	652 A 15	652 A 15	652 A 15
05 90.3	652 A 15	652 A 15	652 A 15	652 A 15
HW/10KT	0 0	0 0	0 0	0 0
TW/10KT	0 0	0 0	0 0	0 0
FLUIDS	0 2	0 2	0 2	0 2
ICING	-55 -6	-55 -6	-55 -6	-55 -6

	16L/D	16L/E	16L/H	16L/L
OAT TRQ	FLAP 15	FLAP 15	FLAP 15	FLAP 15
13 90.3	652 A 15	652 A 15	652 A 15	652 A 15
12 90.3	652 A 15	652 A 15	652 A 15	652 A 15
11 90.3	652 A 15	652 A 15	652 A 15	652 A 15
10 90.3	652 A 15	652 A 15	652 A 15	652 A 15
/ 09 90.3	652 A 15	/ 652 A 15	/ 652 A 15	/ 652 A 15
08 90.3	652 A 15	652 A 15	652 A 15	652 A 15
07 90.3	652 A 15	652 A 15	652 A 15	652 A 15
06 90.3	652 A 15	652 A 15	652 A 15	652 A 15
05 90.3	652 A 15	652 A 15	652 A 15	652 A 15
HW/10KT	0 0	0 0	0 0	0 0
TW/10KT	0 0	0 0	0 0	0 0
FLUIDS	0 2	0 2	0 2	0 2
ICING	-55 -6	-55 -6	-55 -6	-55 -6

	16R	34C	34L	34R
OAT TRQ	FLAP 15	FLAP 15	FLAP 15	FLAP 15
13 90.3	652 A 15	652 A 15	652 A 15	652 A 15
12 90.3	652 A 15	652 A 15	652 A 15	652 A 15

11	90.3	652	A	15	652	A	15	652	A	15	652	A	15
10	90.3	652	A	15	652	A	15	652	A	15	652	A	15
/	09	90.3	652	A	15	/	652	A	15	/	652	A	15
08	90.3	652	A	15	652	A	15	652	A	15	652	A	15
07	90.3	652	A	15	652	A	15	652	A	15	652	A	15
06	90.3	652	A	15	652	A	15	652	A	15	652	A	15
05	90.3	652	A	15	652	A	15	652	A	15	652	A	15
HW/10KT		0		0	0		0	0		0		0	0
TW/10KT		0		0	0		0	0		0		0	0
FLUIDS		0		2	0		2	0		2		0	2
ICING		-55		-6	-55		-6	-55		-6		-55	-6

		34R/M		34R/P		34R/Q		34R/S					
OAT	TRQ	FLAP 15		FLAP 15		FLAP 15		FLAP 15					
13	90.3	652	A	15	652	A	15	652	A	15			
12	90.3	652	A	15	652	A	15	652	A	15			
11	90.3	652	A	15	652	A	15	652	A	15			
10	90.3	652	A	15	652	A	15	652	A	15			
/	09	90.3	652	A	15	/	652	A	15	/	652	A	15
08	90.3	652	A	15	652	A	15	652	A	15	652	A	15
07	90.3	652	A	15	652	A	15	652	A	15	652	A	15
06	90.3	652	A	15	652	A	15	652	A	15	652	A	15
05	90.3	652	A	15	652	A	15	652	A	15	652	A	15
HW/10KT		0		0	0		0	0		0		0	0
TW/10KT		-5		0	0		0	0		0		0	0
FLUIDS		0		2	0		2	0		2		0	2
ICING		-55		-6	-55		-6	-55		-6		-55	-6

/// LANDING DATA ///

APT	PRWY	POAT	PWIND	PQNH	PMRLW	FLP	PLDW
PUW	06	4.0	000M00	29.94	651	35	556

RMKS ICING CONDITIONS

RWY	OAT	WIND	QNH	MRLW	FLP	VREF	PWR	CONFIG/CONDITION
-----	-----	------	-----	------	-----	------	-----	------------------

----- FLAPS 35 - DRY/WET RWY - BLEEDS ON - RDC NP -----
VREF / VREF-ICE

	06	24
OAT	6200 FT	5240 FT
10	604C/ 604C	604C/ 604C
08	606C/ 606C	606C/ 606C
06	608C/ 608C	608C/ 608C
/ 04	610C/ 610C	610C/ 610C
02	612C/ 612C	612C/ 612C
00	613C/ 613C	613C/ 613C
-02	615C/ 615C	615C/ 615C
HW/10KT	0/ 0	0/ 0
TW/10KT	0/ 0	0/ 0

----- FLAPS 35 - DRY/WET RWY - BLEEDS ON - NP 1020 -----
VREF / VREF-ICE

	06	24
OAT	651A/ 651A	651A/ 651A
10	651A/ 651A	651A/ 651A
08	651A/ 651A	651A/ 651A
06	651A/ 651A	651A/ 651A
/ 04	651A/ 651A	651A/ 651A
02	651A/ 651A	651A/ 651A
00	651A/ 651A	651A/ 651A
-02	651A/ 651A	651A/ 651A
HW/10KT	0/ 0	0/ 0
TW/10KT	0/ 0	0/ 0
RDC NP	-48/-----	-48/-----

----- FLAPS 35 - DRY/WET RWY - BLEEDS OFF - NP 1020 -----
VREF / VREF-ICE

	06	24
OAT	651A/ 651A	651A/ 651A
10	651A/ 651A	651A/ 651A
08	651A/ 651A	651A/ 651A
06	651A/ 651A	651A/ 651A
/ 04	651A/ 651A	651A/ 651A
02	651A/ 651A	651A/ 651A

00	651A/ 651A	651A/ 651A
-02	651A/ 651A	651A/ 651A
HW/10KT	0/ 0	0/ 0
TW/10KT	0/ 0	0/ 0
RDC NP	-38/-----	-38/-----

----- FLAPS 35 - TW - DRY/WET RWY - BLEEDS OFF - NP 1020 -----
15 KTS / 20 KTS

OAT	06	24
10	644C/ 638C	644C/ 638C
08	644C/ 638C	644C/ 638C
06	644C/ 638C	644C/ 638C
/ 04	644C/ 638C	644C/ 638C
02	644C/ 638C	644C/ 638C
00	644C/ 638C	644C/ 638C
-02	644C/ 638C	644C/ 638C

----- FLAPS 15 - DRY/WET RWY - BLEEDS ON - RDC NP -----
VREF / VREF-ICE

OAT	06	24
10	651A/ 651A	651A/ 651A
08	651A/ 651A	651A/ 651A
06	651A/ 651A	651A/ 651A
/ 04	651A/ 651A	651A/ 651A
02	651A/ 651A	651A/ 651A
00	651A/ 651A	651A/ 651A
-02	651A/ 651A	651A/ 651A
HW/10KT	0/ 0	0/ 0
TW/10KT	-4/ -4	-4/ -90

----- FLAPS 15 - DRY/WET RWY - BLEEDS ON - NP 1020 -----
VREF / VREF-ICE

OAT	06	24
10	651A/ 651A	651A/ 651A
08	651A/ 651A	651A/ 651A
06	651A/ 651A	651A/ 651A
/ 04	651A/ 651A	651A/ 651A
02	651A/ 651A	651A/ 651A
00	651A/ 651A	651A/ 651A
-02	651A/ 651A	651A/ 651A
HW/10KT	0/ 0	0/ 0
TW/10KT	-4/ -4	-4/ -41
RDC NP	0/-----	0/-----

----- FLAPS 15 - DRY/WET RWY - BLEEDS OFF - NP 1020 -----
VREF / VREF-ICE

OAT	06	24
10	651A/ 651A	651A/ 651A
08	651A/ 651A	651A/ 651A
06	651A/ 651A	651A/ 651A
/ 04	651A/ 651A	651A/ 651A
02	651A/ 651A	651A/ 651A
00	651A/ 651A	651A/ 651A
-02	651A/ 651A	651A/ 651A
HW/10KT	0/ 0	0/ 0
TW/10KT	-4/ -4	-4/ -41
RDC NP	0/-----	0/-----

----- FLAPS 35 - CONTAM - BLEEDS OFF - NP 1020 -----
VREF / VREF-ICE

OAT	06	24
10	651A/ 651A	651A/ 605F
08	651A/ 651A	651A/ 605F
06	651A/ 651A	651A/ 605F
/ 04	651A/ 651A	651A/ 605F
02	651A/ 651A	651A/ 605F
00	651A/ 651A	651A/ 605F
-02	651A/ 651A	651A/ 605F
HW/10KT	0/ 0	0/ 23
TW/10KT	0/ -5	-38/ -132

----- FLAPS 15 - CONTAM - BLEEDS OFF - NP 1020 -----
VREF / VREF-ICE

OAT	06	24
10	651A/ 645F	614F/ 487F

08	651A/ 645F	614F/ 487F
06	651A/ 645F	614F/ 487F
/ 04	651A/ 645F	614F/ 487F
02	651A/ 645F	614F/ 487F
00	651A/ 645F	614F/ 487F
-02	651A/ 645F	614F/ 487F
HW/10KT	0/ 3	18/ 37
TW/10KT	-4/ -117	-114/ -106

END TAKEOFF AND LANDING REPORT QXE 2184 SEA-PUW 29DEC17

===== Gate Report Date: 20171229 Flight #: 2184 Station: SEA =====
 Airline, Station, InFlt, OutFlt, InGate, OutGate, In-Time-Zulu, In-Time-Local
 QX, SEA, 2395, 2184, C10 , C10A , 2500, 1700
 QX, PUW, 2184, 2203, HG , HG , 2635, 1835

===== DEPARTURE WX ===== Flt: 2184 City: SEA =====
 METAR KSEA 300053Z 18010KT 5SM -RA BR BKN024 OVC029 11/11 A2968
 RMK
 AO2 SLP057 P0003 T01060106 \$

TAF KSEA 292335Z 3000/3106 15012KT 6SM -RA BR FEW006 FEW030
 OVC045
 FM300300 21018G25KT 4SM -RA BR OVC012
 FM300700 22022G30KT P6SM -SHRA BKN020 OVC040
 FM301000 22018G26KT P6SM VCSH BKN020 BKN040
 FM301300 21015G23KT P6SM VCSH OVC015
 FM301800 20009KT P6SM SCT008 BKN025

!SEA 12/293 SEA RWY 16L 4000FT DIST REMAINING SIGN RIGHT SIDE
 NOT LGTD 1712250747-1801011200

!SEA 10/264 SEA COM CPDLC DEP CLR LOGON CHANGED TO KUSA
 1710220644-PERM

SEA UA /OV SEA120010/TM 0040/FL086/TP E50P/WV 220070

SEA UA /OV SEA161003/TM 0001/FL040/TP DH8D/SK 038OVC

SEA UA /OV TCM197006 /TM 2348 /FL119 /TP B738 /TB CONT MDT /RM
 ASA473 DURGD HAWK26 CONT MDT TURB 16000-12000 AWC-WEB:

FMS OTS APPROACHES
 RNAV (RNP) M Rwy 34L
 RNAV (RNP) M Rwy 16R

KSEA -FF QXE/AR 11/2
 BEGIN: 11/04/2017 00:01Z END: 03/31/2018 23:59Z
 ORIG STN - ALL FLEET TYPES
 PLS CONTACT IDS FOR DEICE COORDINATION ON PRIMARY FREQ
 129.325.
 BACK UP FREQ 129.95 AND 131.87. REQUEST ALL TACTILE
 INSPECTIONS
 THROUGH IDS.

METAR KBFI 300053Z 15009KT 4SM -RA BR FEW020 OVC029 10/10 A2968
 RMK
 AO2 RAE11B27 SLP049 P0001 T01000100

TAF KBFI 292335Z 3000/3024 15009G18KT 6SM -RA BR SCT005 BKN016
 OVC045
 FM300300 18015G23KT 4SM -RA BR OVC015
 FM300700 19015G22KT P6SM -SHRA BKN020 PROB30 3009/3010 4SM
 -RA
 OVC007
 FM301000 19012G19KT P6SM VCSH BKN025 BKN045
 FM301800 19007G17KT P6SM SCT012 BKN030

!BFI 08/068 BFI RWY 13L/31R CHANGED TO RWY 14L/32R
 1708170700-PERM

!BFI 08/067 BFI RWY 13R/31L CHANGED TO RWY 14R/32L

1708170700-PERM

!BFI 09/021 BFI RWY 14R PAPI COMMISSIONED 1709142232-PERM

!BFI 12/021 BFI OBST TOWER LGT (ASR 1023596)

473204.80N1222201.50W
(2.6NM W BFI) 442.3FT (98.1FT AGL) OUT OF SERVICE
1712200522-1801191300

!BFI 12/018 BFI OBST TOWER LGT (ASR 1033409)

473348.50N1222139.70W (3.1NM NW BFI) 444.9FT (217.8FT AGL) OUT
OF SERVICE 1712151828-1801151200

!BFI 03/016 BFI OBST WATERTOWER (ASN UNKNOWN) 473122N1221813W
(0.2NM SSW BFI)

135FT (120FT AGL) NOT LGTD 1503192157-PERM

BFI UA /OV BFI310004/TM 2309/FL013/TP T210/SK BKN013

=====

===== DESTINATION WX ===== Flt: 2184 City: SEA ===

METAR KPUW 300053Z AUTO 06003KT 5SM RA BR BKN007 OVC018 04/02
A2992
RMK AO2 SLP148 P0011 T00390022

TAF KPUW 292322Z 3000/3024 07003KT 3SM RA BR BKN006 OVC012
FM300900 24020G30KT P6SM BKN010
FM301800 25016G25KT P6SM BKN030 BKN150

!PUW 12/218 PUW RWY 06 FICON 5/5/5 100 PRCT WET OBSERVED AT
1712292349. 1712292349-1712302349

!PUW 12/217 PUW APRON ALL FICON 3IN WATER AND WET OBSERVED AT
1712292349. 1712292349-1712302349

!PUW 12/219 PUW TWY ALL FICON WET OBSERVED AT 1712292350.
1712292350-1712302350

FMS OTS APPROACHES
RNAV (GPS) Rwy 24

KPUW -FF QXE/AR 10/14
BEGIN: 10/19/2017 00:01Z END: NEVER
ORIG AND DEST STN - ALL FLEET TYPES
----- PUW RNP -----
PUW RNP 0.11 WITHIN LIMITS FROM:
12/29/2017 10:00Z TO 12/30/2017 10:00Z

PUW RNP 0.13 WITHIN LIMITS FROM:
12/29/2017 10:00Z TO 12/30/2017 10:00Z

PUW RNP 0.30 WITHIN LIMITS FROM:
12/29/2017 10:00Z TO 12/30/2017 10:00Z

KPUW -FF QXE/AR 07/180
BEGIN: 05/15/2013 00:01Z END: NEVER
ORIG AND DEST STN - ALL FLEET TYPES
DURING PERIODS OF PUW RCO OUTAGE CONTACT FSS
888-766-8267
TO CANCEL IFR OR OBTAIN IFR CLEARANCE

METAR KSEA 300053Z 18010KT 5SM -RA BR BKN024 OVC029 11/11 A2968
RMK
AO2 SLP057 P0003 T01060106 \$

TAF KSEA 292335Z 3000/3106 15012KT 6SM -RA BR FEW006 FEW030
OVC045
FM300300 21018G25KT 4SM -RA BR OVC012
FM300700 22022G30KT P6SM -SHRA BKN020 OVC040
FM301000 22018G26KT P6SM VCSH BKN020 BKN040

FM301300 21015G23KT P6SM VCSH OVC015
FM301800 20009KT P6SM SCT008 BKN025

!SEA 12/293 SEA RWY 16L 4000FT DIST REMAINING SIGN RIGHT SIDE
NOT LGTD 1712250747-1801011200

!SEA 10/264 SEA COM CPDLC DEP CLR LOGON CHANGED TO KUSA
1710220644-PERM

SEA UA /OV SEA120010/TM 0040/FL086/TP E50P/WV 220070

SEA UA /OV SEA161003/TM 0001/FL040/TP DH8D/SK 038OVC

SEA UA /OV TCM197006 /TM 2348 /FL119 /TP B738 /TB CONT MDT /RM
ASA473 DURGD HAWKZ6 CONT MDT TURB 16000-12000 AWC-WEB:

FMS OTS APPROACHES
RNAV (RNP) M Rwy 34L
RNAV (RNP) M Rwy 16R

METAR KLWS 300056Z 33003KT 1/2SM -RA FG SCT003 OVC011 02/02
A2994
RMK AO2 SLP152 P0003 T00220022

TAF KLWS 292322Z 3000/3024 VRB03KT 1/2SM -RA FG FEW004 BKN015
OVC045
TEMPO 3000/3004 1SM -RA BR BKN004 OVC015
FM300400 17006KT P6SM -RA OVC030
FM300600 20015G22KT P6SM SCT150

!LWS 12/152 LWS RWY 30 FICON 5/5/5 100 PRCT WET OBSERVED AT
1712292004. 1712292004-1712302004

!LWS 12/151 LWS RWY 12 FICON 5/5/5 100 PRCT WET OBSERVED AT
1712292004. 1712292004-1712302004

!LWS 12/149 LWS RWY 26 FICON 5/5/5 100 PRCT WET 4IN BERMS
OBSERVED AT 1712292001. 1712292001-1712302001

!LWS 12/148 LWS RWY 08 FICON 5/5/5 100 PRCT WET 4IN BERMS
OBSERVED AT 1712292001. 1712292001-1712302001

!LWS 12/150 LWS TWY K, Z, Z1, Z2 FICON 2IN SLUSH OBSERVED AT
1712292002. 1712292002-1712302002

!LWS 08/006 LWS TWY B NONMOVEMENT AREA 1708212201-PERM

FMS OTS APPROACHES
RNAV (GPS) Y Rwy 12
RNAV (RNP) Z Rwy 26

KLWS -FF QXE/AR 10/1
BEGIN: 10/04/2017 00:01Z END: NEVER
DEST STN - DH8-400
DO NOT FLY DIRECT EVOYU WHEN ARRIVING FROM SEA FOR RNAV
APPROACHES TO RWY 8. INSTEAD FLY APPROACH FROM BIDDY.
VNAV DISCONNECT MAY HAPPEN IF DIRECT EVOYU IS FLOWN .

KLWS -FF QXE/AR 07/220
BEGIN: 12/16/2016 08:01Z END: NEVER
ORIG AND DEST STN - DH8-400
----- LWS RNP -----
LWS RNP 0.20 WITHIN LIMITS FROM
12/29/2017 10:00Z TO 12/30/2017 10:00Z

KLWS -FF QXE/AR 07/173
BEGIN: 01/11/2012 00:01Z END: NEVER
DEST STN - ALL FLEET TYPES
FUELER HOURS #####
LWS fueler hours:
0500-1700 LCL SUN-FRI
0500-1630 LCL SAT
45 MINUTE CALL OUT AFTER HOURS

If fuel is required for after hours
contact LWS as early as possible to
arrange for fueling and avoid delay.

#####

===== ENROUTE WX ===== Flt: 2184 City: SEA =====
METAR KYKM 300053Z 09004KT 2SM -FZRA BR OVC007 01/M01 A2989 RMK
AO2
SFC VIS 2 1/2 RAE39FZTAB39 PRESFR SLP134 P0001 I1001
T00111006

TAF KYKM 292335Z 3000/3024 VRB03KT 2SM -RA BR OVC012
TEMPO 3000/3002 4SM BR OVC015
FM300200 32004KT 4SM -RA BR OVC030
FM300900 27010KT 5SM BR SCT030 SCT050
FM301800 28010KT P6SM SCT060

!YKM 12/104 YKM RWY 04/22 CLSD 1712292127-1712312359

!YKM 12/105 YKM RWY 27 FICON 5/5/5 100 PRCT WET OBSERVED AT
1712292132. 1712292132-1712302132

!YKM 12/107 YKM APRON ALL FICON WET ICE BA MEDIUM TO POOR
OBSERVED AT 1712300042. 1712300042-1712310042

!YKM 12/103 YKM TWY A2, A3, A4, B, B1, B2, C CLSD
1712292127-1712312359

!YKM 12/106 YKM TWY A, A1, A5 FICON WET OBSERVED AT 1712292358.
1712292358-1712302358

FMS OTS APPROACHES
RNAV (RNP) Y Rwy 27

KYKM -FF QXE/AR 10/9
BEGIN: 10/10/2017 00:01Z END: NEVER
DEST STN - DH8-400
RNP RWY 9, DATVE TRANSITION: REQUEST TO CROSS DATVE AT 6700FT
TO AVOID
VNAV DISCONNECT. EXPECT LATE DESCENT CLEARANCE DUE TO HIGH
MINIMUM
VECTERING ALTITUDES IN THE AREA.

KYKM -FF QXE/AR 07/227
BEGIN: 12/16/2016 08:01Z END: NEVER
ORIG AND DEST STN - DH8-400
----- YKM RNP -----
YKM RNP 0.10 WITHIN LIMITS FROM
12/29/2017 10:00Z TO 12/30/2017 10:00Z

KYKM -FF QXE/AR 07/212
BEGIN: 10/11/2016 00:01Z END: NEVER
DEST STN - ALL FLEET TYPES
FOQA data has detected a large number of
unstable visual approaches on rwy 27 in YKM.
Most unstable approaches result from a tight
base turn leading to high bank angles at low
altitude.
FOQA recommends making a left turn eastbound
onto a downwind once clear of the restricted
area.

KYKM -FF QXE/AR 07/179
BEGIN: 04/16/2013 00:01Z END: NEVER
ORIG AND DEST STN - DH8-400
YKM RWY 4/22 IS CLOSED TO AIR CARRIER OPERATIONS UFN.
PORT OF YKM ADVISES THIS IS DUE TO DETERIORATING RWY
CONDITION.

METAR KPSC 300053Z 20004KT 4SM -RA BR SCT026 BKN035 OVC060
00/M01
A2996 RMK AO2 PRESFR SLP151 P0002 T00001006 \$

TAF KPSC 292335Z 3000/3024 28005KT 4SM -RA BR OVC015
FM300200 21007KT 6SM -RA OVC025
FM300600 24015G25KT P6SM OVC060
FM302100 21012KT P6SM BKN050

!PSC 12/085 PSC RWY 03R/21L CLSD 1712292225-1801012359

!PSC 12/081 PSC APRON EAST GA RAMP FICON ICE OBSERVED AT
1712291509. 1712291509-1712301509

!PSC 11/011 PSC APRON EAST GA RAMP SOUTHEAST OF TWY E1 WIP
CONST LGTD
AND BARRICADED 1711072250-1803312359

!PSC 12/086 PSC NAV VOR OUT OF SERVICE 1712292351-1801032100EST

!PSC 06/016 PSC OBST TOWER LGT (ASR UNKNOWN)
461510.26N1185314.89W (10NM E PSC) UNKNOWN (210FT AGL) OUT OF
SERVICE 1706261424-1801081430

PSC UA /OV PSC/TM 2320/FL020/TP CRJ2/TA 04/IC TRACE MIXED/RM
DURC

KPSC -FF QXE/AR 09/20
BEGIN: 09/27/2017 00:01Z END: NEVER
ORIG AND DEST STN - ALL FLEET TYPES
----- PSC RNP -----
PSC RNP 0.30 WITHIN LIMITS FROM:
12/29/2017 10:00Z TO 12/30/2017 10:00Z

PSC RNP 0.11 WITHIN LIMITS FROM:
12/29/2017 10:00Z TO 12/30/2017 10:00Z

KPSC -FF QXE/AR 07/168
BEGIN: 10/17/2009 11:00Z END: NEVER
ORIG AND DEST STN - ALL FLEET TYPES
FUELER HOURS #####
PSC fueler hours:
0430-2000 LCL MON-FRI
0530-1900 LCL SAT-SUN
45 MINUTE CALL OUT AFTER HOURS

If fuel is required after hours contact
PSC as early as possible to arrange for
fueling and avoid delay.

===== PIREP SUMMARY BY STATE FOR WA

BFI UA /OV BFI310004/TM 2309/FL013/TP T210/SK BKN013

PSC UA /OV PSC/TM 2320/FL020/TP CRJ2/TA 04/IC TRACE MIXED/RM
DURC

SEA UA /OV SEA120010/TM 0040/FL086/TP E50P/WV 220070

SEA UA /OV SEA161003/TM 0001/FL040/TP DH8D/SK 038OVC

SEA UA /OV TCM197006 /TM 2348 /FL119 /TP B738 /TB CONT MDT /RM
ASA473 DURGD HAWKZ6 CONT MDT TURB 16000-12000 AWC-WEB:

TDO UA /OV OLM154015 /TM 2344 /FL158 /TP B738 /TB INTMT LT /RM
ASA473 DURGD HAWKZ6 INTMT LT TURB FL360-16000 AWC-WEB:

===== ENROUTE NAVAIDS Flt: 2184 =====

===== State: WA =====

WA !MWH 12/033 MWH NAV VOR GND REC CHECKPOINT FOR RUNUP AREA
RWY 32R OUT OF SERVICE 1712201406-1806202100EST
WA !PSC 12/086 PSC NAV VOR OUT OF SERVICE
1712292351-1801032100EST
WA !RNT 10/004 RNT NAV NDB DECOMMISSIONED 1710181605-PERM
WA !TCM 10/004 TCM NAV VOR DECOMMISSIONED 1710130005-PERM

==== State: ID =====

----- KZSE SIGMETS Data -----

NO GOV SIGMETS AS OF: 2017-12-30 01:00Z

----- KZLC SIGMETS Data -----

NO GOV SIGMETS AS OF: 2017-12-30 01:00Z

===== Hazardous Weather Data for NW

TYPE TURB MTW
ID 56357
VALID 300030Z-300300Z
INTST MDT
ALT FL330-FL390
MVT N OKT
OUTLK NC
DISC TERRAIN INDUCED
AREA 30SE ALS - 55ENE HBU - 95NW DEN - 30ESE BFF -
65WSW GLD - 70W LBL - 30SE ALS

TYPE TURB MTW
ID 57876
VALID 292300Z-300300Z
INTST MDT
ALT FL120-FL200
MVT N OKT
OUTLK NC
DISC TERRAIN INDUCED
AREA 95NW DEN - 55ENE HBU - 45E BRK - 35SSW BFF -
95NW DEN

===== WINDS ALOFT =====

===== Flt: 2184 City: SEA =====

DATA BASED ON 291800Z
VALID 300000Z FOR USE 2000-0300Z. TEMPS NEG ABV 24000
FT 3000 6000 9000 12000 18000 24000 30000 34000 39000
SEA 2151 2458+04 2347-01 2447-06 2583-19 7402-29 751545 752255 751060

FT 45000 53000
SEA 276655 274456

DATA BASED ON 291800Z
VALID 300000Z FOR USE 2000-0300Z. TEMPS NEG ABV 24000
FT 3000 6000 9000 12000 18000 24000 30000 34000 39000
YKM 1710 2448+02 2653+00 2638-05 2680-17 2593-28 259944 761254 761064

DATA BASED ON 291800Z
VALID 300000Z FOR USE 2000-0300Z. TEMPS NEG ABV 24000
FT 3000 6000 9000 12000 18000 24000 30000 34000 39000
LWS 2214 2634+01 2640-03 2751-07 2755-17 2757-28 277246 770655 781263

=====

===== AREA FORECAST Flt: 2184 =====

SFOZ WA 292045

AIRMET ZULU UPDT 3 FOR ICE AND FRZLVL VALID UNTIL 300300

AIRMET ICE...WA OR CA ID MT WY NV UT CO AND CSTL WTRS

FROM 50WSW YXC TO 20WNW SHR TO 80NW RAP TO 70SW RAP TO SNY TO
CHE

TO 40SSW BKE TO 140W FOT TO 140W TOU TO 20WSW HUH TO 50WSW YXC
MOD ICE BTN FRZLVL AND FL220. FRZLVL SFC-110. CONDS CONTG BYD

03Z

THRU 09Z

SFOT WA 292045

AIRMET TANGO UPDT 3 FOR TURB STG WNDS AND LLWS VALID UNTIL

300300

AIRMET STG SFC WNDS...WA OR AND CSTL WTRS

FROM 100WSW HQM TO 40S HQM TO 70WNW OED TO 150NW FOT TO 100WSW
HQM

SUSTAINED SURFACE WINDS GTR THAN 30KT EXP. CONDS ENDG 03Z

SFOT WA 292045

AIRMET TANGO UPDT 3 FOR TURB STG WNDS AND LLWS VALID UNTIL

300300

AIRMET TURB...WA OR CA AND CSTL WTRS

FROM 60WSW YXC TO 50SE REO TO 30SSE LKV TO 160NW FOT TO 140W TOU
TO 20NNW TOU TO 60WSW YXC

MOD TURB BTN FL270 AND FL410. CONDS CONTG BYD 03Z THRU 09Z

SFOT WA 292045

AIRMET TANGO UPDT 3 FOR TURB STG WNDS AND LLWS VALID UNTIL

300300

AIRMET TURB...WA OR CA ID NV AND CSTL WTRS

FROM 50WSW YXC TO 50SE REO TO 40SSW FMG TO 60N FOT TO 140WSW FOT
TO 160WSW TOU TO 40W HUH TO 50WSW YXC

MOD TURB BLW 140. CONDS CONTG BYD 03Z THRU 09Z

SFOT WA 292045

AIRMET TANGO UPDT 3 FOR TURB STG WNDS AND LLWS VALID UNTIL

300300

LLWS POTENTIAL...WA OR CA ID NV AND CSTL WTRS

BOUNDED BY 20ESE YDC-40NE GEG-40SW BAM-40W FMG-80WSW OED-TOU-
20ESE YDC

LLWS EXP. CONDS CONTG BYD 03Z THRU 09Z

=====

===== FDCNOTAMS Flt: 2184 =====

!FDC 7/4129 SEA SID SEATTLE-TACOMA INTL, Seattle, WA.

ATOME TWO DEPARTURE (RNAV)...

DISREGARD NOTE: TOP ALTITUDE: 15000. NOTE: TOP ALTITUDE 9000.

ZADON, BANDR, NORMY TRANSITIONS: RADAR REQUIRED.

ALL OTHER DATA REMAINS AS PUBLISHED. 1710131349-1805251349EST

!FDC 7/6799 SEA IAP SEATTLE-TACOMA INTL, Seattle, WA.

ILS RWY 34R (SA CAT I AND II), AMDT 2D ...

PROCEDURE NA. TEMP CRANE 615 MSL 1.08 NM N OF RWY 34R

(2017-ANM-964-NRA). 1712181900-1801251900EST

!FDC 7/6798 SEA IAP SEATTLE-TACOMA INTL, Seattle, WA.

ILS RWY 16L (CAT II AND III), AMDT 7A ...

PROCEDURE NA. TEMP CRANE 615 MSL 5508 FT S OF RWY 16L

(2017-ANM-964-NRA). 1712181900-1801251900EST

!FDC 7/2572 SEA IAP SEATTLE-TACOMA INTL, Seattle, WA.

ILS OR LOC RWY 34L, AMDT 1E ...

CHART NOTE: ASTERISK, ASTERISK RVR 1800 AUTHORIZED WITH USE OF FD

OR AP OR HUD TO DA. CHANGE S-ILS 34L TO S-ILS 34L ASTERISK,

ASTERISK. THIS IS ILS OR LOC RWY 34L, AMDT 1F. 1710121142-PERM

!FDC 7/1492 SEA CHART SEATTLE-TACOMA INTL,

Seattle, WA.

ILS RWY 16C (CAT II & III), AMDT 16A ...

CORRECT PROFILE: SWAP SODOE AND ANVIL TEXT. SODOE I-SZI 6.2 DME

RADAR SHOULD BE 4.4 NM FROM THRESHOLD AND ANVIL I-SZI 10.3 DME

RADAR SHOULD BE 8.5 NM FROM THRESHOLD 1711211845-PERM

!FDC 7/7699 BFI IAP BOEING FIELD/KING COUNTY INTL,
Seattle, WA.
RNAV (RNP) Z RWY 14R, AMDT 1...
RNP 0.15 DA 657/HAT 639, VIS 1 7/8 ALL CATS. RNP 0.30 DA 754/HAT
736, VIS 2 1/2 ALL CATS. FOR INOPERATIVE MALSF, INCREASE RNP 0.15
VISIBILITY TO 2 1/2. INOPERATIVE TABLE DOES NOT APPLY TO RNP 0.30.
1710181900-1805301900EST

!FDC 7/4336 BFI IAP BOEING FIELD/KING COUNTY INTL,
Seattle, WA.
RNAV (GPS) Y RWY 14R, AMDT 1...
NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH
75).
1709150023-1804270023EST

!FDC 7/4334 BFI IAP BOEING FIELD/KING COUNTY INTL,
Seattle, WA.
ILS OR LOC RWY 14R, AMDT 31...
NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH
75).
1709150023-1804270023EST

!FDC 7/6196 BFI IAP BOEING FIELD/KING COUNTY INTL,
Seattle, WA.
RNAV (RNP) Z RWY 13R, ORIG-C...
CHANGE ALL REFERENCES FROM RWY 13R TO RWY 14R.
ADD 5 DEGREES TO ALL COURSES AND HEADINGS.
1708211353-1804021353EST

!FDC 7/4413 BFI IAP BOEING FIELD/KING COUNTY INTL,
Seattle, WA.
RNAV (RNP) Z RWY 13R, ORIG-C...
DISREGARD PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
1706191908-1801291908EST

!FDC 7/6198 BFI VFP BOEING FIELD/KING COUNTY INTL,
Seattle, WA.
HARBOR VISUAL RWY 13R, AMDT 3...
CHANGE ALL REFERENCES FROM RWY 13R TO RWY 14R.
1708211355-1804021355EST

!FDC 7/9274 PUW ODP PULLMAN/MOSCOW RGNL,
Pullman/Moscow, WA.
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 4...
TAKEOFF MINIMUMS: RWY 24: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB
OF 400 FT PER NM TO 2900.
ALL OTHER DATA REMAINS AS PUBLISHED. 1708111919-1803231919EST

!FDC 7/7309 PUW ODP PULLMAN/MOSCOW RGNL,
Pullman/Moscow, WA.
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 4...
NOTE: RWY 6, CONSTRUCTION TRAILER 488 FT FROM DER, 405 FT LEFT OF
CENTERLINE, 14 FT AGL/2572 FT MSL
(2017-ANM-1108/1109/1110/1111-NRA).
ALL OTHER DATA REMAINS AS PUBLISHED. 1707261444-1803071442EST

!FDC 7/6226 LWS IAP LEWISTON-NEZ PERCE COUNTY,
Lewiston, ID.
RNAV (GPS) Y RWY 26, ORIG-B...
LNAV CAT A/B MDA 1940/HAT 498, VIS CAT C 1. CIRCLING CAT A/B MDA
1940/HAA 498.
DISREGARD NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED,
PROCEDURE NA.
1711131836-1806251836EST

!FDC 7/8670 LWS IAP LEWISTON-NEZ PERCE COUNTY,
Lewiston, ID.
RNAV (RNP) RWY 30, ORIG-C...
RNP 0.30 DA 1778/336 HAT, VIS 1 1/8 ALL CATS..
1710191843-1805311843EST

!FDC 7/0023 ZSE WA..ROUTE ZSE.
V4 BLAKO INT, WA MRA 8500.

1712061834-1807181834EST

!FDC 7/5756 ZSE ROUTE ZSE ZOA.
V195 FORTUNA (FOT) VORTAC, CA TO RED BLUFF (RBL) VORTAC, CA CHANGE
OVER POINT FOT 40 NM.
1711131326-1806251326EST

!FDC 7/6139 ZSE WA..ROUTE ZSE.
V187 ORTIN, WA TO MCCHORD (TCM) VORTAC, WA MEA 8000.
1710031758-1805151758EST

!FDC 7/8292 ZSE OR..ROUTE ZSE.
V121 NORTH BEND (OTH) VOR/DME, OR R-093 TO ROSEBURG (RBG) VOR/DME,
OR MEA 6000.
OTH VOR. 1709071627-1804191627EST

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===== GENERAL AND AIRCRAFT FIELD & FACILITIES =====

===== Flt: 2184 City: SEA =====
GEN -FF QXE/GE 12/27
BEGIN: 12/23/2017 00:01Z END: 01/22/2018 23:59Z
PLEASE CONTACT THE DE-ICING COORDINATOR 15 MINUTES PRIOR TO
DE-ICING.
GEN -FF QXE/GE 07/297
BEGIN: 12/07/2017 09:02Z END: 01/04/2018 09:01Z
---FMS NAVDATA EXPIRATION---

04-JAN-2018 0901Z
GEN -FF QXE/GE 07/243
BEGIN: 05/15/2017 00:01Z END: NEVER
GPS RAIM

FORECAST TIME PERIOD:
12/229/2017 10:00Z TO 12/30/2017 10:00Z

FORECAST UNAVAILABILITY:

STATIONS: NONE Q-ROUTES: NONE
