

DCA21FA085

OPERATIONAL FACTORS

Attachment 6
ACARS Communication
October 27, 2022

(FPL-UAL328-IS
-B772/H-SDE3FGHIJ3J5M1RWXYZ/LB1D1
-KDEN1915
-N0482F360 ZIMMR2 CHNGY DCT EKR DCT OGD DCT LCU DCT RBL DCT
FATMO/M083F360 DCT 36N135W/M083F380 DCT 33N142W/M083F400 DCT
30N148W DCT AUNTI R463 APACK MAGGI3
-PHNLO646 PHJR
-PBN/A1L1B1C1D1O1S2T1 NAV/RNP2 DAT/1FANS2PDC CPDLCX SUR/260B
DOF/210220 REG/N772UA EET/KZLC0035 KZOA0138 KZAK0230 PHZH0558
SEL/AQCM CODE/AA7238 OPR/UAL PER/C RALT/KSFO PHOG RMK/TCAS)20-17:05 Out OTHER (FPL-
UAL328-IS -B772/H-SDE3FGHIJ3J5M1RWXYZ/LB1D1 -KDEN1915 -N0482F360 ZIMMR2 Message
20-17:05 Out OTHER (FPL-UAL328-IS -B772/H-SDE3FGHIJ3J5M1RWXYZ/LB1D1 -KDEN1915 -N0482F360
ZIMMR2 Message

20-17:05 ATC QU DPATTUA .CHIXCX 201705 FF KDPAUALT

201705 KZCDZQZX ACK FPL KZDV UAL3 Message

20-17:06 O LANDING WEIGHT CALCULATION LOG: UAL328-20 KDEN-PHNL (RLS 1) (EA3) ETOPS

(EA3) ETOPS Alternate: KSFO (Pass)
Suitability Window: 23:28z-03:13z
Estimated Landing Weight: 429626 lbs
Available Runways:
RW28R
LDA: 11236'
Landing Runway Limit Weight (Full): 580000 lbs

RW10L
LDA: 11193'
Landing Runway Limit Weight (Full): 580000 lbs

RW10R
LDA: 10704'
Landing Runway Limit Weight (Full): 580000 lbs

RW28L
LDA: 10275'
Landing Runway Limit Weight (Full): 580000 lbs

RW19L
LDA: 8650'
Landing Runway Limit Weight (Full): 580000 lbs

RW01R

LDA: 8090'
Landing Runway Limit Weight (Full): 580000 lbs

RW19R
LDA: 7650'
Landing Runway Limit Weight (Full): 580000 lbs

RW01L
LDA: 7010'
Landing Runway Limit Weight (Full): 579953 lbs

(EA4) ETOPS Alternate: PHOG (Pass)
Suitability Window: 02:06z-03:13z
Estimated Landing Weight: 413372 lbs
Available Runways:

RW20
LDA: 6995'
Landing Runway Limit Weight (Full): 579553 lbs

RW02
LDA: 6995'
Landing Runway Limit Weight (Full): 579553 lbs

RW23
LDA: 4990'
Landing Runway Limit Weight (Full): 0 lbs

RW05
LDA: 4990'
Landing Runway Limit Weight (Full): 0 lbs
20-17:20 TAF 3 Y

20-17:21 TAF PHJR 201720Z 2018/2118 07006KT P6SM FEW035FM202000 12010G16KT P6SM FEW Alert
- TAF PHJR 201720Z 2018/2118 07006KT P6SM FEW035
FM202000 12010G16KT P6SM FEW035 SCT050
FM210600 03005KT P6SM SCT025 BKN040

20-17:20 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int
Alert

20-17:20 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int
Alert

20-17:20 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int
Alert

20-17:20 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-17:20 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-17:20 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-17:20 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-17:20 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-17:20 TAF 3 Y

20-17:21 TAF PHNL 201720Z 2018/2124 07006KT P6SM FEW025 SCT045FM202000 08012G20KT P Alert
- PHNL -HNL - HONOLULU INTL

TAF 201720Z 2018/2124 07006KT P6SM FEW025 SCT045
FM202000 08012G20KT P6SM SCT030 SCT050
FM210600 06007KT P6SM FEW025 SCT045
FM212000 07014G22KT P6SM SCT025 SCT045.

** END OF PART 01 **

20-17:20 TAF 3 Y

20-17:21 TAF PHOG 201720Z 2018/2118 06011KT P6SM FEW035 SCT050FM202000 05016G25KT P Alert
- TAF PHOG 201720Z 2018/2118 06011KT P6SM FEW035 SCT050

FM202000 05016G25KT P6SM SCT030 SCT050
FM210600 04008KT P6SM SCT035 BKN050
AMD LTD TO VIS AND WIND 2109/2116

20-17:20 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-17:20 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-17:20 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-17:34 SP 3 Y

20-17:51 KSFO 201732Z 31017G28KT 9SM FEW018 SCT023 SCT038 12/07 A3035RMK AO2 PK WND Alert

20-17:43 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 17:43:00+00 until 2021-02-20 19:00:00+00 Int Alert

20-17:44 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 17:43:00+00 until 2021-02-20 21:00:00+00 Int Alert

20-17:44 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 17:43:00+00 until 2021-02-20 22:00:00+00 Int Alert

20-17:44 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 17:43:31+00 until 2021-02-20 17:43:31+00 Int Alert

20-17:44 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 18:00:00+00 until 2021-02-20 21:00:00+00 Int Alert

20-17:44 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 17:43:31+00 until 2021-02-20 17:43:31+00 Int Alert

20-17:44 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 18:00:00+00 until 2021-02-20 21:00:00+00 Int Alert

20-17:44 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 18:00:00+00 until 2021-02-20 21:00:00+00 Int Alert

20-17:44 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 22:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-17:44 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 22:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-17:48 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 22:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-18:07 KDEN NOTAM 3 Y

20-18:34 New Notam arrived A1443/21 NOTAMN Q)KZDV/QMXLC/IV/M/A/000/999/3952N10440W005 A)K Alert - Q)KZDV/QMXLC/IV/M/A/000/999/3952N10440W005 A)KDEN B)2102202000 C)2102202100 E)TWY D9, D11, D2, D12, D, D3, D5, D6, D8, TWY WC BTN RWY 16L/34R AND RWY 16R/34L, TWY WA BTN APCH END RWY 34L AND DEICE PAD WA, TWY WB BTN RWY 16R/34L AND TWY F, TWY WD BTN RWY 16L/34R AND RWY 16R/34L, TWY WE BTN RWY 16L/34R AND APCH END RWY 16R CLSD

20-18:07 KDEN NOTAM 3 Y

20-18:34 New Notam arrived A1444/21 NOTAMN Q)KZDV/QPACH/I/NBO/A/000/999/3952N10440W005 A) Alert - A1444/21 NOTAMN Q)KZDV/QPACH/I/NBO/A/000/999/3952N10440W005 A)KDEN B)2102201645 C)2102211645EST E)LAWGR TWO ARRIVAL...PROC: ATC ASSIGNED ONLY

20-18:07 KDEN NOTAM 3 Y

20-18:34 New Notam arrived A1442/21 NOTAMN Q)KZDV/QMRLC/IV/NBO/A/000/999/3952N10440W005 A Alert - New Notam arrived A1442/21 NOTAMN Q)KZDV/QMRLC/IV/NBO/A/000/999/3952N10440W005

A)KDEN B)2102202000 C)2102202100 E)RWY 16R/34L CLSD

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 22:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:34 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:41 In AGM QU HDQOPUA .QXSXMXS 201841 M33 FI UA2465/AN N772UA DT QXS DENA 201841 M20A - / Message

20-18:57 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:57 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:57 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:57 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-18:57 In AGM QU HDQOPUA .QXSXMXS 201857 M33 FI UA2465/AN N772UA DT QXS DENA 201857 M21A - / Message

20-18:57 In AGM QU HDQOPUA .QXSXMXS 201857 AGM FI UA0000/AN N772UA DT QXS DENA 201857 M22A - / Message

20-18:58 In OTHER CMD AN N772UA - QUHDQWDUA~1DISPATCH RELEASE UA328/20 KDEN PHNL SENT: 18:57: Message

20-18:58 In FPN QU HDQDLUA .DDLXCXA 201858 FML FI UA328/AN N772UA DT DDL DEN 201858 F38A - Message

20-18:58 In AGM QU HDQDLUA .DDLXCXA 201858 AGM FI UA328/AN N772UA DT DDL DEN 201858 M90A - Message

20-18:58 Out FPN FMD AN N772UA - FPN/FNUAL328/RP:DA:KDEN:AA:PHNL:F:CHNGY,N40007W106281..EKR,N4 Message

20-18:58 Out CMD CMD AN N772UA - QUHDQWDUA~1TAF** PART 01 OF 01 ** PHNL -HNL - HONOLULU IN Message

20-19:01 In FPN QU DPCUNUA .QXSXMXS 201901 FML FI UA328/AN N772UA DT QXS DENA 201901 F00A - Message

20-19:02 In FPN QU DPCUNUA .QXSXMXS 201902 FML FI UA0328/AN N772UA DT QXS DENA 201902 F01A Message

20-19:02 In PWI QU DPCUNUA .QXSXMXS 201902 FML FI UA0328/AN N772UA DT QXS DENA 201902 F02A Message

20-19:03 In QU HDQOPUA .QXSXMXS 201902 AGM FI UA0328/AN N772UA DT QXS DENA 201902 M23A - / Message

20-19:03 Out CMD CMD AN N772UA - QUHDQWDUA~1CREW LIST UA328/20 KDEN PHNL SENT: 19:03:02z GATE Message

20-19:03 Out PWI FMD AN N772UA - PWI/WD430,CHNGY,258113.EKR,258110.OGD,266071.LCU,270063.RBL,3 Message

20-19:03 In PWI QU DPCUNUA .QXSXMXS 201903 FML FI UA0328/AN N772UA DT QXS DENA 201903 F03A Message

20-19:04 In PWI QU DPCUNUA .QXSXMXS 201904 FML FI UA0328/AN N772UA DT QXS DENA 201904 F04A Message

20-19:04 In PWI QU DPCUNUA .QXSXMXS 201904 FML FI UA0328/AN N772UA DT QXS DENA 201904 F05A Message

20-19:05 ACARS 3 N FUEL RECEIPT UA328/20 KDEN PHNL AIRCRAFT 2372/N772UA LAST IN 20FEB 1825Z -- Alert

20-19:05 ACARS 3 Y

20-19:05 Out POS FMD AN N772UA - POS/RFCHNGY.EKR.OGD.LCU.RBL.FATMO.N36000W135000.N33000W142000 Message

20-19:05 In AGM QU DPCUNUA .DDLXCXA 201905 AGM FI UA328/AN N772UA DT DDL DVJK 201905 M01A - Message

20-19:05 Out AGM AGM AN N772UA FLT# 328-20 KDEN 19:05 PART 117 RLS 1 CCO T Message

20-19:05 In OTHER CMD AN N772UA - QUHDQWDUA~1RLS VERIFICATION RLS 01 NOT SIGNED PO EMP NAME Message

20-19:05 In POS QU DPCUNUA .QXSXMXS 201905 FML FI UA0328/AN N772UA DT QXS DENA 201905 F06A Message

20-19:07 KZDV PIREP 3 Y

20-19:40 ASE UA /OV DBL093029/TM 1856/FL190/TP B350/SK TOPS190/TB MOD/RM ZDV FD Alert

20-19:10 SP 3 Y

20-19:39 PHJR 201908Z 08008KT 10SM SCT002 SCT070 26/19 A3015 RMK AO2T02610189 Alert

20-19:10 In AGM QU DPCNOUA .QXSXMXS 201910 AGM FI UA0328/AN N772UA DT QXS DENA 201910 M24A Message

20-19:11 Out CMD CMD AN N772UA - QUHDQWDUA~1TAKEOFF DATA** PART 01 OF 01 **
***** Message

20-19:11 Out LDI FMD AN N772UA - LDI/RW250,,,,,4758,,P12,D0,3524,,5,0,,P37,149153155:,,800,80 Message

20-19:20 KZLC PIREP 3 Y

20-19:40 LGU UA /OV MLD250036/TM 1906/FL290/TP E75L/TB MOD CHOP/RM FL290-250 /ZL C Alert

20-19:20 In AGM QU DPCUNUA .QXSXMXS 201920 AGM FI UA0328/AN N772UA DT QXS DENA 201920 M25A Message

20-19:20 In OTHER CMD AN N772UA - QUHDQWDUA~1RLS VERIFICATION RLS 01 PO EMP NAME EMP NO FFD Message

20-19:27 KZOA PIREP 3 Y

20-19:40 FI UAL208/OV 4019N12221W 1925 F320 /TA /WV /SK /TB MODERATE/IC Alert

20-19:28 KZDV PIREP 3 Y

20-19:40 BJC UA /OV BJC/TM 1925/FL059/TP C172/RM 1000 FPM DWNDFT UPWIND 12R Alert

20-19:38 In PER QU DPCUNUA .QXSXMXS 201938 FML FI UA0328/AN N772UA DT QXS DENA 201938
F07A Message

20-19:38 In PER QU DPCUNUA .QXSXMXS 201938 FML FI UA0328/AN N772UA DT QXS DENA 201938
F08A Message

20-19:39 In AGM QU DPCNOUA .QXSXMXS 201939 AGM FI UA0328/AN N772UA DT QXS DENA 201939
M27A Message

20-19:40 Out CMD CMD AN N772UA - QUHDQWDUA~1TAKEOFF DATA** PART 01 OF 01 **
***** Message

T/O DEN 25 *T PROC*
12000 FT
777-200 PW4077
TEMP 12C ALT 29.74
WIND 352/4 MAG
OKT HW 4KT XW
TOCG/TRIM 29.2/5.44

DRY

FLAPS 5

PACKS ON

ANTI-ICE OFF

ASSMD WT. 474.5

ASSMD TMP. 37C

REDUCED EPR 1.37

N1 *HW* V1 VR V2

88.4 OKT 148 152 154

TW EPR N1 ATMP V1/VR/V2

0 1.37 88 37C 48/52/54

5 1.38 89 36C 44/48/51

10 1.39 90 35C 41/45/48

MAX EPR 1.47

N1 TOG V1 VR V2

94.4 474.5 124 144 149

THR RED 6231 (800 AFE)
ACC ALT 6231 (800 AFE)

MTOG 531.8 VR MAX 162

MEL/CDL.
9790 BROADBAND ANTENNA
INSTALLED

PARTIAL RUNWAY CODES
25/B2 11670FT 25A
25/B3 10500FT 25B

TRK RCL TO DEN VOR D5.0.
TURN RT HDG 010 DEG.
** END OF PART 01 **

20-19:40 Out LDI FMD AN N772UA - LDI/RW250,,,,,4745,,P12,D0,3524,,5,0,,P37,148152154:,,800,80
Message

20-19:41 In LDI QU DPCUNUA .QXSXMXS 201941 FML FI UA0328/AN N772UA DT QXS DENA 201941
F09A Message

20-19:41 In LDI QU DPCUNUA .QXSXMXS 201941 FML FI UA0328/AN N772UA DT QXS DENA 201941
F10A Message

20-19:44 KZDV PIREP 3 Y

20-19:46 BJC UA /OV BJC/TM 1939/FL065/TP C172/TB CONS LGT OCNL MOD TURB/RM UDDF 500-1000
Alert

20-19:49 ACARS 3 N SILENT PUSH PUSH REQUEST RECEIVED AT 1949Z. MONITOR RAMP FREQUENCY
FOR PUSHBACK Alert

20-19:50 Out AGM AGM AN N772UA FLT# 328-20 KDEN 19:50 PART 117 RLS 1 CCO T Message

20-20:04 In AGM QU HDQOPUA .QXSXMXS 202004 M33 FI UA0328/AN N772UA DT QXS DEN2 202004
M32A - / Message

20-20:19 Out REQ FMD AN N772UA - REQPOS037B Message

20-20:19 In PR QU DPCUNUA .QXSXMXS 202019 FML FI UA0328/AN N772UA DT QXS APA1 202019
F11A Message

20-20:20 Out CMD CMD AN N772UA - QUWHQVDUA~1MSG FROM DISP UA328-20 KDEN PHNL
RETURNING TO FIELD? Message

20-20:23 KZLC PIREP 3 Y

20-20:23 FI UAL1736/OV 4030N10939W 2017 F360 /TA /WV 240110/SK ON TOP /TB NONE Alert

20-20:28 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-20:28 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 00:00:00+00 until 2021-02-21 03:00:00+00 Int Alert

20-20:28 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 20:27:57+00 until 2021-02-20 20:27:57+00 Int Alert

20-20:28 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 20:27:57+00 until 2021-02-20 20:27:57+00 Int Alert

20-20:28 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-20:28 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 00:00:00+00 Int Alert

20-20:28 WX 3 N WSI SIGMET - TURB Valid: 2021-02-21 01:00:00+00 until 2021-02-21 06:00:00+00 Int Alert

20-20:28 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 20:27:57+00 until 2021-02-20 20:27:57+00 Int Alert

20-20:28 WX 3 N WSI SIGMET - TURB Valid: 2021-02-20 21:00:00+00 until 2021-02-21 01:00:00+00 Int Alert

20-20:32 IROPS 2 Y

20-20:33 Flight return to field Alert

20-20:32 IROPS 2 Y

20-20:33 Flight return to field Alert

20-20:37 FLIGHT 3 Y

20-20:38 New release after verification Alert

20-20:37 Out REQ FMD AN N772UA - REQPOS037B Message

20-20:37 In REQ QU DPCUNUA .QXSXMXS 202037 FML FI UA0328/AN N772UA DT QXS DEN1 202037 F00A Message

20-20:42 FLIGHT 3 Y

20-20:43 ETA exceeded >=:10 Alert

20-21:28 FLIGHT 3 Y

20-21:30 Taxi in >= :60