



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

December 11, 2019

Attachment 4 – Accident Flight Release

OPERATIONAL FACTORS

DCA19CA091

HD 0957 17FEB1821 RL BZN
095717BZN01
17FEB19

FLIGHT DISPATCH RELEASE ACKNOWLEDGEMENT

* FLT 0957/17FEB SHIP 3730 BZN-ATL DOMESTIC RLS 1 *

DAL 0957/17FEB ETE- 3:05 RLS 1

██████████ DESK-██████████ PHONE-██████████
BZN/KBZN/BOZEMAN YELLOWSTONE I - ATL/KATL/HARTSFIELD - JACKSON
SCHEDULED BZN/KBZN 2125Z-1425L - ATL/KATL 0112Z-2012L
PLANNED 2125Z-1425L 0050Z-1950L
DEST ALTN: SAV/KSAV/SAVANNAH/HILTON HEAD INTL

SHIP 3730 IFR BLK FUEL 28800
MIN FUEL FOR T/O 25991

CAPTAINS SIGNATURE VERIFIES THAT CURRENT FAR 121.445 SPECIAL
AIRPORT PICTORIALS (JEPP 19-XX)-IF REQUIRED FOR THIS FLIGHT-
HAVE BEEN REVIEWED WITHIN THE LAST 12 MONTHS.

I HAVE RECEIVED WEATHER REPORTS AND FORECASTS FOR THE
DESTINATION AND ALL REQUIRED ALTERNATE AIRPORTS. I BELIEVE
THE PLANNED FLIGHT CAN BE COMPLETED SAFELY AND I CONSIDER
MY PHYSICAL CONDITION SATISFACTORY FOR THIS FLIGHT:

CAPTAIN 1 SIGNATURE/PRINTED NAME/CREW BASE

CAPTAIN 2 SIGNATURE/PRINTED NAME/CREW BASE

I CONSIDER MY PHYSICAL CONDITION SATISFACTORY FOR THIS FLIGHT

FIRST OFFICER 1 SIGNATURE/PRINTED NAME/CREW BASE

FIRST OFFICER 2 SIGNATURE/PRINTED NAME/CREW BASE

* FLT 0957/17FEB SHIP 3730 BZN-ATL DOMESTIC RLS 1 *

ACARS USE 0957/17 LOCAL DEP DATE IS 17FEB

FLIGHT DISPATCH RELEASE ACKNOWLEDGEMENT - CAPTAIN COPY

I CONSIDER ALL FACTORS INCLUDING MY OWN PHYSICAL
CONDITION SATISFACTORY FOR THIS FLIGHT.

██████████ DESK-██████████ PHONE-██████████
DAL 0957/17FEB ETE- 3:05 RLS 1
BZN/KBZN/BOZEMAN YELLOWSTONE I - ATL/KATL/HARTSFIELD - JACKSON
SCHEDULED BZN/KBZN 2125Z-1425L - ATL/KATL 0112Z-2012L
PLANNED 2125Z-1425L 0050Z-1950L
DEST ALTN: SAV/KSAV/SAVANNAH/HILTON HEAD INTL

TARGET LANDING WINDOW *** 0048Z - 0058Z ***

IFR ICAO FLIGHT PLAN
SHIP 3730 B738/M-SDE2E3GHIJ4RWXZ/LB1
PBN/A1B1C1D1O1S1T1 NAV/RNVD1E2A1 SUR/260B REG/N3730B
SEL/AEBG CODE/A4414A
ELEVATION BZN/KBZN 4473 FT ATL/KATL 1026 FT

KBZN DCT BZN DCT CZI DCT PWE DCT MCI DCT FAM DCT BNA DCT NEWBB
DCT IHAVE DCT MTHEW CHPPR1 KATL

FL 370 T-O-C WINDS 28010 ISA P06
ETE- 3:05 NM 1437 TAS 458
SCHEDULED GATE C47

PASSENGERS 139
CARGO 0
ZERO FUEL WT 124559
BLOCK FUEL 28800
MIN FUEL FOR T/O 25991
RAMP WT 153359
TAKEOFF GROSS WT 153112
FMS RESERVE FUEL 7393
LANDING WT 135056

COST INDEX 57

FLIGHT PLAN FUEL REQUIRED DISCRETIONARY
TIME/BURN TIME/BURN

TAXI :11/ 247
TRIP BZN/KBZN-ATL/KATL 3:05/ 18055
ALTN: SAV/KSAV FL270 :39/ 3787
RESERVE FUEL :45/ 3606
CONTINGENCY FUEL :07/ 543 :33/ 2562

MIN FUEL FOR T/O * 25991 *

BLOCK FUEL * 28800 *

ENROUTE FUEL PLAN

*** PLANNED LNDG FUEL AT DEST *** 10497 ***
*** MINIMUM LNDG FUEL AT DEST *** 7393 ***
*** AVAIL DELAY FUEL *** 3104
WHICH IS 39 MINS AT FL150/CLEAN

TAXI IN :09/ 202

FIX LIST KBZN BZN CZI PWE MCI FAM BNA NEWBB IHAVE MTHEW MGRIF
BBABE LEMKE CHPPR MRCHH KATL

MEL ITEMS FOR SHIP NUMBER 3730
01 S53-00-01 - PERFORMANCE CORRECTION FOR 2KU WIFI RADOME
02 S99-99-01 - NON HZMAT AC PART IN CRGO-ACCTED FOR IN AWABS-NO
PILOT ACT REQ
03 M73-00-04 - FUEL FILTER DIFFERENTIAL PRESSURE WARNING
SYSTEMS
EXPIRES 26FEB19 AT 2359Z

DISPATCHER REMARKS

01 POSSIBLE LT/MOD TURB FL210-300 VICINITY MCI - FAM
02 ENROUTE PENALTY OF 716 LBS APPLIED TO DRIFTDOWN AND ETP
CALCULATIONS

** DRIFTDOWN INFORMATION **
03 NO DRIFTDOWN ISSUES UP TO MPTOW 156135

FLIGHT OPERATIONS AND MAINTENANCE REMARKS

3730 N2333/17 12SEP172037Z-UFN
FOR OPERATIONAL CONTACT WITH DISPATCH/MCC
CALL ATL RADIO - PHONE NO. [REDACTED]

DELTA CITY PAIR REMARKS

NO AIRPORT PAIR NOTAMS

DELTA AIRPORT REMARKS

*****KBZN/BZN -- BOZEMAN-BOZEMAN YELLOWSTONE
INTL*****

GEN

AIRPORT

BZN N260/19 08FEB190051Z-UFN

OUTBOUND ONLY

DEICE GUIDE UPDATE FOR CLARIANT
SAFEWING MP IV LAUNCH TYPE IV FLUID:
THE BOTTOM ROW OF PUBLISHED HOLDOVER
TIMES ARE EFFECTIVE BELOW -18C TO -25C.

.
HOLDOVER TIMES FOR OAT BELOW -25C
TO -28.5C ARE AS FOLLOWS:
FR.FOG/ICE CRYSTALS: 0:23 TO 0:38
VERY LT SNOW: 0:15 TO 0:23
LT SNOW: 0:05 TO 0:15
MOD SNOW: 0:01 TO 0:05

.
BELOW -28.5: USE TYPE I FLUID
[REDACTED]/FLT OPS//07FEB19KS

BZN N1266/18 24AUG180407Z-UFN

IF FLYING THE RNAV (RNP) RWY 30 PLEASE VERIFY FMS
ALTITUDES MATCH THE JEPP APPROACH ALTITUDES. FLY
THE APPROACH AT THE HIGHER ALTITUDE IF THERE IS A
DISCREPANCY.// [REDACTED]/FLT OPS/24AUG18MB

BZN N992/18 13JUN182216Z-UFN

B737 RWY 30 RNAV RNP AUTHORIZED FOR DAY AND NIGHT
OPERATIONS.
RWY 30 CIRCLE TO LAND NIGHT OPERATIONS NOT AUTHORIZED.
//[REDACTED]/FOPS/13JUN18//KS

*****KATL/ATL -- ATLANTA-HARTSFIELD - JACKSON
ATLANTA I*****

GEN

AIRPORT

ATL N31/19 07JAN192340Z-UFN

ATL (INBOUND ALL EQUIP)
REF FDC NOTAM 8/1452 AND CHART CHANGE NOTICE: S-LOC
8L MDA CHANGE ALSO APPLIES TO DELTA TAILORED CHART
11-1 AMEND 5 DTD 12SEP14. JEPP UPDATE PENDING.
//[REDACTED]/FLTOPS/08JAN19CC

ATL N90/19 22JAN191547Z-UFN

DEICING B777. ENGINES RUNNING DEICING IS APPROVED.
COMPANY PAGE UPDATE PENDING.// [REDACTED]/FLTOPS/22JAN19/LV

ATL N267/19 08FEB190426Z-UFN

EFF 08FEB19: SPECIAL ASSIST FREQ FOR

CONCOURSE B CHANGED TO ██████████
CONCOURSE A AND T FREQ REMAIN AS ██████████
COMPANY PAGE UPDATE PENDING. ██████████/FLTOPS/
07FEB19JG

ATL N573/18 24APR181218Z-UFN
ALL DELTA AIRCRAFT ARE CAPABLE OF ACHIEVING ALL
PUBLISHED NON-STANDARD CLIMB GRADIENTS FOR ALL
PROCEDURES AT ATLANTA AIRPORT.//██████████
//24DEC18CC

DELTA ALTERNATE AIRPORT REMARKS

*****KSAV/SAV -- SAVANNAH-SAVANNAH/HILTON HEAD
INTL*****

GEN

AIRPORT

SAV N1569/18 09OCT180144Z-UFN
SAV (INBOUND ALL EQUIP)
RNAV (GPS) RWY 10: THREE M88 FLTS HAVE
REPORTED THAT THIS APPROACH LINED THEM
UP APPROX 300FT SOUTH OF RWY CL. DO NOT
MISTAKE TWY C FOR RWY 10.
██████████/08OCT18/JAGS

OVERFLT AUTHORIZATIONS

NO OVERFLT AUTHORIZATIONS APPLICABLE TO PLANNED ROUTE

SCHEDULED BZN/KBZN 2125Z-1425L - ATL/KATL 0112Z-2012L
PLANNED 2125Z-1425L 0050Z-1950L

PLND	PLND	TAKEOFF	ETE	ETA	PLND	PLND
OUT	OFF		ON	IN		
2125Z	2136Z	Z	3:05	Z	0041Z	0050Z
1425L	1436L	TZDIF PLUS 2.0HRS		L	1941L	1950L

RTE LAT MAG IAS/M GS ZT TRMG ZF
FMS LONG TRUE FL ZD ETA ATA PRMG

TAXI	N 4546.6		3:05	
KBZN	W11109.2	CLB		28.6

DCT N 4547.0 M332 263 :01 3:04 0.3
BZN W11109.3 T348 CLB 0 28.3

* T-O-C * N 4440.2 M098 256/.79 468 :22 2:42 4.0

W10803.9 T116 FL370 147 24.3

** COST INDEX 57 **

** FIR KZDV (DENVER) ** N4407.3 W10643.9 **

DCT N 4400.0 M098 254/.79 470 :11 2:31 1.0
CZI W10626.1 T116 FL370 81 23.3

** DAL POSN RPT **

** FIR KZMP (MINNEAPOLIS) ** N4123.3 W09901.5 **

DCT N 4012.0 M100 255/.79 488 1:02 1:29 5.8
PWE W09612.4 T113 FL370 509 17.5

** DAL POSN RPT **

** FIR KZKC (KANSAS CITY) ** N4004.6 W09600.1 **

DCT N 3917.1 M124 256/.79 505 :11 1:18 0.9
MCI W09444.2 T129 FL370 87 16.6

DCT N 3740.4 M108 256/.79 550 :25 :53 2.3
FAM W09014.0 T113 FL370 233 14.3

** DAL POSN RPT **

** FIR KZME (MEMPHIS) ** N3723.8 W08933.8 **

DCT N 3608.2 M116 256/.79 540 :22 :31 1.9
BNA W08641.1 T117 FL370 194 12.4

DCT N 3544.2 M152 258/.80 475 :03 :28 0.3
NEWBB W08624.2 T150 FL370 28 12.1

DCT N 3533.4 M154 258/.80 480 :02 :26 0.2
IHAVE W08616.5 T150 FL370 12 11.9

** FIR KZTL (ATLANTA) ** N3530.8 W08614.7 **

DCT N 3525.8 M154 258/.80 480 :01 :25 0.1
MTHEW W08611.2 T150 FL370 9 11.8

DCT N 3516.2 M146 258/.80 497 :01 :24 0.1
MGRIF W08601.8 T142 FL370 12 11.7

* T-O-D * N 3459.2 M146 257/.80 499 :03 :21 0.2
W08545.6 T142 FL370 22 11.5

** COST INDEX 55 **

DCT N 3447.5 M146 502 :02 :19 0.0
BBABE W08534.5 T142 DES 15 11.5

DCT N 3421.6 M146 416 :04 :15 0.1
LEMKE W08510.2 T142 DES 33 11.4

DCT N 3408.6 M146 371 :02 :13 0.0
CHPPR W08458.1 T142 DES 16 11.4

DCT N 3400.8 M146 321 :03 :11 0.1
MRCHH W08450.7 T142 DES 10 11.3

DCT N 3338.2 M142 247 :10 :00 0.8
KATL W08425.7 T137 DES 31 10.5

ENROUTE FORECAST WINDS

FIX CRZ FL FL240 FL300 FL340 FL390
TROP SAT TAT SAT TAT SAT TAT SAT TAT SAT TAT
CZI 37 25020 30002 15015 25015 25023
30 -51 -23 -46 -18 -56 -29 -54 -27 -50 -22
PWE 37 25102 26050 25079 25100 25099
31 -48 -20 -38 -09 -44 -15 -47 -19 -49 -21
MCI 37 25145 25097 24144 24155 25135
39 -50 -22 -33 -03 -41 -12 -47 -19 -52 -24
FAM 37 25161 25130 25154 24161 25159
41 -55 -27 -25 006 -37 -08 -47 -19 -58 -31
BNA 37 26133 24096 25122 26130 26134
42 -56 -29 -22 009 -38 -09 -48 -20 -60 -33
NEWBB 37 26133 24096 25122 26130 26134
42 -56 -28 -22 010 -38 -08 -48 -19 -60 -33
IHAVE 37 26118 25104 25113 26115 26119
42 -55 -27 -22 010 -37 -07 -47 -18 -59 -32
MTHEW 37 26118 25104 25113 26115 26119
42 -55 -27 -22 010 -37 -07 -47 -18 -59 -32
MGRIF 37 26118 25104 25113 26115 26119
42 -55 -27 -22 010 -37 -07 -47 -18 -59 -32

FORECAST WINDS *1610Z* - NEXT UPDATE AT 2250Z

DESCENT FORECAST WINDS

35000 30000 25000 20000 15000 10000 05000
26101 25101 25098 25092 24081 24050 23038

WAYPOINT NOTAMS (COMPANY AND GOVERNMENT)

NO ENROUTE NOTAMS FOUND

████████████████████ DESK ██████████ PHONE-████████████████████
DAL 0957/17/RLS 1 BZN-ATL 17FEB1821Z

HD 0957 17FEB2014 NTB BZN

GOVERNMENT NOTAMS

DL0957/17 REV 01 BZN-ATL

*****KBZN/BZN -- BOZEMAN-BOZEMAN YELLOWSTONE INTL*****

RUNWAY

BZN A2243/19 15FEB191148-31MAR191900Z
BZN 02/243 BZN RWY NW/SE CLSD TO FIXED WING
1902151148-1903311900

AIRPORT

BZN A2367/19 17FEB192005-17FEB192359Z
BZN 02/367 BZN TWY C, C1, C2, C3 FICON 1IN DRY SN OBS AT
1902172005.
1902172005-1902172359

BZN A2366/19 17FEB192001-17FEB192200Z
BZN 02/366 BZN TWY A3, A4 FICON 1/8IN DRY SN AND WET OBS AT
1902172001. 1902172001-1902172200

BZN A2363/19 17FEB191919-17FEB192300Z
BZN 02/363 BZN APRON CARGO RAMP, CUST RAMP, EAST RAMP, TIE
DOWN SELF FUELING RAMP FICON 1IN DRY SN OBS AT 1902171919.
1902171919-1902172300

BZN A2362/19 17FEB191916-17FEB192300Z
BZN 02/362 BZN APRON EAST DEICE PAD, WEST DEICE PAD FICON
1/8IN DRY SN OBS AT 1902171916. 1902171916-1902172300

BZN A2361/19 17FEB191914-17FEB192200Z
BZN 02/361 BZN APRON TERMINAL RAMP, GA RAMP FICON 1/8IN DRY
SN AND WET OBS AT 1902171914. 1902171914-1902172200

BZN A2355/19 17FEB191741-17FEB192300Z
BZN 02/355 BZN TWY F, H FICON 1IN DRY SN OBS AT 1902171741.
1902171741-1902172300

BZN A2345/19 17FEB191616-17FEB192200Z
BZN 02/345 BZN TWY M FICON 1IN DRY SN OBS AT 1902171616.
1902171616-1902172200

BZN A2319/19 17FEB191355-18FEB191355Z

BZN 02/319 BZN TWY ALL FICON 24IN SNOWBANKS OBS AT
1902171355.
1902171355-1902181355

BZN A2275/19 15FEB192224-18FEB190100Z
BZN 02/275 BZN TWY J CLSD 1902152224-1902180100

03

RUNWAY

BZN A2365/19 17FEB191957-17FEB192300Z 03
BZN 02/365 BZN TWY M BTN TWY H AND APCH END RWY 03 CLSD
1902171957-1902172300

21

RUNWAY

BZN A2340/19 17FEB191610-17FEB192200Z 21
BZN 02/340 BZN RWY 21 CLSD 1902171610-1902172200

29

RUNWAY

BZN A2364/19 17FEB191956-17FEB192300Z 29
BZN 02/364 BZN RWY 29 FICON 3/3/3 100 PCT 1IN DRY SN OBS AT
1902171956. 1902171956-1902172300

*****KATL/ATL -- ATLANTA-HARTSFIELD - JACKSON ATLANTA
I*****

AIRPORT

ATL A2184/19 15FEB192101-19FEB192000Z
ATL 02/184 ATL AD AP BIRD ACT INCREASED GROUPS OF LARGE BIRDS
S TO N
1902152101-1902192000

08L

RUNWAY

ATL A2199/19 17FEB191559-18FEB191559Z 08L
ATL 02/199 ATL RWY 08L FICON 5/5/5 100 PCT WET OBS AT
1902171559.
1902171559-1902181559

APPROACH PROCEDURES

ATL A81471/18 07NOV181924-01JUN191924Z 08L
FDC 8/1471 ATL IAP HARTSFIELD - JACKSON ATLANTA INTL,
ATLANTA, GA.

RNAV (RNP) Z RWY 8L, AMDT 1...
RNP 0.15 DA 1512/HAT 497 ALL CATS, VISIBILITY ALL CATS RVR
5000.
RNP 0.30 DA 1567/HAT 552 ALL CATS, VISIBILITY ALL CATS RVR
6000.
TEMPORARY CRANE 1230 MSL 1.01 NM SOUTHWEST OF RWY 8L
(2017-ASO-952-NRA), TEMPORARY CRANE 1244 MSL 1.07 NM WEST OF
RWY 8L
(2018-AS0-13497-OE).
1811071924-1906011924EST

ATL A81465/18 07NOV181924-01JUN191924Z 08L
FDC 8/1465 ATL IAP HARTSFIELD - JACKSON ATLANTA INTL,
ATLANTA, GA.
RNAV (GPS) PRM Y RWY 8L, ORIG-A...
LPV DA 1572/HAT 557 ALL CATS, VISIBILITY ALL CATS RVR 6000.
LNAV/VNAV DA 1594/HAT 579 ALL CATS, VISIBILITY ALL CATS RVR
6000.
TEMPORARY CRANE 1230 MSL 1.01 NM SOUTHWEST OF RWY 8L
(2017-ASO-952-NRA), TEMPORARY CRANE 1244 MSL 1.07 NM WEST OF
RWY 8L
(2018-AS0-13497-OE).
1811071924-1906011924EST

ATL A81455/18 07NOV181924-01JUN191924Z 08L
FDC 8/1455 ATL IAP HARTSFIELD - JACKSON ATLANTA INTL,
ATLANTA, GA.
RNAV (GPS) Y RWY 08L, AMDT 4A...
LPV DA 1572/HAT 557 ALL CATS, VISIBILITY ALL CATS RVR 6000.
LNAV/VNAV DA 1594/HAT 579 ALL CATS, VISIBILITY ALL CATS RVR
6000.
LNAV MDA 1560/HAT 545 ALL CATS. VDP NA. TEMPORARY CRANE 1230
MSL
1.01 NM SOUTHWEST OF RWY 8L (2017-ASO-952-NRA), TEMPORARY
CRANE
1244 MSL 1.07 NM WEST OF RWY 8L (2018-AS0-13497-OE).
1811071924-1906011924EST

ATL A81452/18 07NOV181924-01JUN191924Z 08L
FDC 8/1452 ATL IAP HARTSFIELD - JACKSON ATLANTA INTL,
ATLANTA, GA.
ILS OR LOC RWY 8L, AMDT 5A...
S-LOC 8L MDA 1560/HAT 545 ALL CATS.
SIDESTEP 8R MDA 1560/HAT 536 ALL CATS.
VDP NA.
TEMPORARY CRANE 1244 MSL 1.07 NM WEST OF RWY 8L
(2018-AS0-13497-OE).
1811071924-1906011924EST

ATL A87245/18 24SEP181605-06MAY191605Z 08L
FDC 8/7245 ATL IAP HARTSFIELD - JACKSON ATLANTA INTL,
ATLANTA, GA.
ILS OR LOC RWY 8L, AMDT 5A...
ILS RWY 8L (SA CAT I), AMDT 5A...

ILS RWY 8L (CAT II AND III), AMDT 5A...
ILS PRM RWY 8L (SIMULTANEOUS CLOSE PARALLEL), AMDT 2...
ILS PRM RWY 8L (SA CAT I)(SIMULTANEOUS CLOSE PARALLEL), AMDT
2...
ILS PRM RWY 8L (CAT II AND III) (SIMULTANEOUS CLOSE PARALLEL),
AMDT
2...
DME REQUIRED EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE RNAV
SYSTEM
WITH GPS.
FLANC LOM OTS.
1809241605-1905061605EST

08R

RUNWAY

ATL A2200/19 17FEB191559-18FEB191559Z 08R
ATL 02/200 ATL RWY 08R FICON 5/5/5 100 PCT WET OBS AT
1902171559.
1902171559-1902181559

APPROACH PROCEDURES

ATL A81462/18 07NOV181924-01JUN191924Z 08R
FDC 8/1462 ATL IAP HARTSFIELD - JACKSON ATLANTA INTL,
ATLANTA, GA.
ILS PRM RWY 8R (SIMULTANEOUS CLOSE PARALLEL), AMDT 2...
S-ILS 8R DA 1568/ HAT 544 ALL CATS, VISIBILITY ALL CATS 1
5/8.
TEMPORARY CRANE 1230 MSL 5992FT WEST OF RWY 8R
(2017-ASO-952-NRA),
TEMPORARY CRANE 1244 MSL 1.09 NM WEST OF RWY 8R
(2018-ASO-13497-OE).
1811071924-1906011924EST

ATL A81461/18 07NOV181924-01JUN191924Z 08R
FDC 8/1461 ATL IAP HARTSFIELD - JACKSON ATLANTA INTL,
ATLANTA, GA.
ILS OR LOC RWY 8R, AMDT 61...
S-ILS 8R DA 1568/ HAT 544 ALL CATS, VISIBILITY ALL CATS 1
5/8.
S-LOC 8R MDA 1560/HAT 536 ALL CATS, VISIBILITY CATS C/D/E 1
1/2.
SIDESTEP 8L MDA 1560/ HAT 545 ALL CATS, VISIBILITY CAT C 1
1/2. VDP
NA. TEMPORARY CRANE 1230 MSL 5992FT WEST OF RWY 8R
(2017-ASO-952-NRA), TEMPORARY CRANE 1244 MSL 1.09 NM WEST OF
RWY 8R
(2018-ASO-13497-OE).
1811071924-1906011924EST

ATL A81460/18 07NOV181924-01JUN191924Z 08R
FDC 8/1460 ATL IAP HARTSFIELD - JACKSON ATLANTA INTL,

ATLANTA, GA.
RNAV (GPS) PRM RWY 8R (SIMULTANEOUS CLOSE PARALLEL), ORIG-A
...
LPV DA 1568/HAT 544 ALL CATS, VISIBILITY ALL CATS 1 5/8.
LNAV/VNAV
DA 1592/HAT 568 ALL CATS, VISIBILITY ALL CATS 1 5/8.
TEMPORARY
CRANE 1230 MSL 1.13 NM WEST OF RWY 8R (2017-ASO-952-NRA),
TEMPORARY
CRANE 1244 MSL 1.09 NM WEST OF RWY 8R (2018-AS0-13497-OE).
1811071924-1906011924EST

ATL A81457/18 07NOV181924-01JUN191924Z 08R
FDC 8/1457 ATL IAP HARTSFIELD - JACKSON ATLANTA INTL,
ATLANTA, GA.
RNAV (GPS) RWY 8R, AMDT 4A ...
LPV DA 1568/HAT 544 ALL CATS, VISIBILITY ALL CATS 1 5/8.
LNAV/VNAV
DA 1592/HAT 568 ALL CATS, VISIBILITY ALL CATS 1 5/8. LNAV MDA
1560/HAT 536 ALL CATS, VISIBILITY CATS C/D 1 1/2. VDP NA.
TEMPORARY
CRANE 1230 MSL 1.13 NM WEST OF RWY 8R (2017-ASO-952-NRA),
TEMPORARY
CRANE 1244 MSL 1.09 NM WEST OF RWY 8R (2018-AS0-13497-OE)
1811071924-1906011924EST

ATL A9303/18 19SEP181709Z-UFN 08R
ATL 09/303 ATL NAV ILS RWY 08R LOC UNUSABLE BEYOND 12 DEG
RIGHT OF
RCL 1809191709-PERM

09L

RUNWAY

ATL A2183/19 18FEB190430-18FEB191130Z 09L
ATL 02/183 ATL RWY 09L/27R CLSD 1902180430-1902181130

ATL A2201/19 17FEB191600-18FEB191600Z 09L
ATL 02/201 ATL RWY 09L FICON 5/5/5 100 PCT WET OBS AT
1902171600.
1902171600-1902181600

ATL A2024/19 05FEB191205-08MAR192359Z 09L
ATL 02/024 ATL RWY 09L PAPI OTS 1902051205-1903082359EST

ATL A9064/18 07SEP181116Z-UFN 09L
ATL 09/064 ATL RWY 09L ALS DECOMMISSIONED 1809071116-PERM

APPROACH PROCEDURES

ATL A2023/19 05FEB191155-08MAR192359Z 09L
ATL 02/023 ATL NAV ILS RWY 09L LOC/DME/GP OTS
1902051155-1903082359EST

09R

RUNWAY

ATL A2182/19 18FEB190430-18FEB191130Z 09R
ATL 02/182 ATL RWY 09R/27L CLSD 1902180430-1902181130

ATL A2202/19 17FEB191601-18FEB191601Z 09R
ATL 02/202 ATL RWY 09R FICON 5/5/5 100 PCT WET OBS AT
1902171601.
1902171601-1902181601

10

RUNWAY

ATL A2203/19 17FEB191602-18FEB191602Z 10
ATL 02/203 ATL RWY 10 FICON 5/5/5 100 PCT WET OBS AT
1902171602.
1902171602-1902181602

26L

SID

ATL A81450/18 07NOV181924-01JUN191924Z 26L
FDC 8/1450 ATL SID HARTSFIELD - JACKSON ATLANTA INTL,
ATLANTA, GA.
ATLANTA NINE DEPARTURE...
TAKEOFF MINIMUMS: RWY 26R: 300-1 1/4 OR STANDARD WITH MINIMUM
CLIMB
OF 455 FT PER NM TO 1400 (2018-ASO-13497-OE). RWY 26L: 300-1
1/4 OR
STANDARD WITH MINIMUM CLIMB OF 423 FT PER NM TO 1400
(2018-ASO-13497-OE). TAKEOFF OBSTACLE NOTES: RWY 26R:
TEMPORARY
CRANE 4919 FT FROM DER, 181 FT LEFT OF CENTERLINE, 214 FT
AGL/1244
FT MSL (2018-ASO-13497-OE). TEMPORARY CRANE 6024 FT FROM DER,
2067
FT LEFT OF CENTERLINE, 211 FT AGL/1230 FT MSL
(2017-ASO-952-NRA).
RWY 26L: TEMPORARY CRANE 5121 FT FROM DER, 818 FT RIGHT OF
CENTERLINE, 214 FT AGL/1244 FT MSL (2018-ASO-13497-OE).
TEMPORARY
CRANE 5831 FT FROM DER, 1380 FT LEFT OF CENTERLINE, 211 FT
AGL/1230
FT MSL (2017-ASO-952-NRA).
ALL OTHER DATA REMAINS AS PUBLISHED. 1811071924-1906011924EST

ATL A81440/18 07NOV181924-01JUN191924Z 26L
FDC 8/1440 ATL ODP HARTSFIELD - JACKSON ATLANTA INTL,
ATLANTA, GA.

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT
7...

TAKEOFF MINIMUMS: RWY 26R, 300-1 1/4 OR STANDARD WITH MINIMUM
CLIMB

OF 455 FT PER NM TO 1400 (2018-ASO-13497-OE). RWY 26L, 300-1
1/4 OR

STANDARD WITH MINIMUM CLIMB OF 423 FT PER NM TO 1400
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AGL/1244

FT MSL (2018-ASO-13497-OE). TEMPORARY CRANE 6024 FT FROM DER,
2067

FT LEFT OF CENTERLINE, 211 FT AGL/1230FT MSL
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FT MSL (2017-ASO-952-NRA).

ALL OTHER DATA REMAINS AS PUBLISHED. 1811071924-1906011924EST

26R

SID

ATL A81450/18 07NOV181924-01JUN191924Z 26R

FDC 8/1450 ATL SID HARTSFIELD - JACKSON ATLANTA INTL,
ATLANTA, GA.

ATLANTA NINE DEPARTURE...

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FT LEFT OF CENTERLINE, 211 FT AGL/1230 FT MSL
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TEMPORARY

CRANE 5831 FT FROM DER, 1380 FT LEFT OF CENTERLINE, 211 FT
AGL/1230

FT MSL (2017-ASO-952-NRA).

ALL OTHER DATA REMAINS AS PUBLISHED. 1811071924-1906011924EST

ATL A81440/18 07NOV181924-01JUN191924Z 26R

FDC 8/1440 ATL ODP HARTSFIELD - JACKSON ATLANTA INTL,
ATLANTA, GA.

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT
7...

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TEMPORARY

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FT LEFT OF CENTERLINE, 211 FT AGL/1230FT MSL
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TEMPORARY

CRANE 5831 FT FROM DER, 1380 FT LEFT OF CENTERLINE, 211 FT
AGL/1230

FT MSL (2017-ASO-952-NRA).

ALL OTHER DATA REMAINS AS PUBLISHED. 1811071924-1906011924EST

27L

RUNWAY

ATL A2182/19 18FEB190430-18FEB191130Z 27L

ATL 02/182 ATL RWY 09R/27L CLSD 1902180430-1902181130

27R

RUNWAY

ATL A2183/19 18FEB190430-18FEB191130Z 27R

ATL 02/183 ATL RWY 09L/27R CLSD 1902180430-1902181130

*****KSAV/SAV -- SAVANNAH-SAVANNAH/HILTON HEAD INTL*****

AIRPORT

SAV A2014/19 13FEB191437-30APR192000Z

SAV 02/014 SAV TWY F CLSD 1902131437-1904302000

SAV A12023/18 11DEC181422-15APR191700Z

SAV 12/023 SAV TWY GA6 CLSD 1812111422-1904151700

10

APPROACH PROCEDURES

SAV A1044/19 31JAN191134-28MAR192000Z 10

SAV 01/044 SAV NAV ILS RWY 10 DME OTS

1901311134-1903282000EST

SAV A85057/18 13NOV181541-13NOV201541Z 10
FDC 8/5057 SAV IAP SAVANNAH/HILTON HEAD INTL,
SAVANNAH, GA.
ILS OR LOC RWY 10, AMDT 29...
ILS RWY 10 (SA CAT I AND II), AMDT 29...
S-LOC 10 MINIMUMS NA.
RADAR REQUIRED FOR PROCEDURE ENTRY EXCEPT FOR ACFT EQUIPPED
WITH
SUITABLE RNAV SYSTEM WITH GPS.
I-SAV DME OTS.
1811131541-2011131541EST

SAV A85055/18 13NOV181541-13NOV201541Z 10
FDC 8/5055 SAV IAP U.S. DOD SAVANNAH/HILTON HEAD
INTL, SAVANNAH, GA.
HI - ILS OR LOC RWY 10, AMDT 8...
S-LOC 10 MINIMUMS NA.
RADAR REQUIRED FOR PROCEDURE ENTRY EXCEPT FOR ACFT EQUIPPED
WITH
SUITABLE RNAV SYSTEM WITH GPS.
I-SAV DME OTS.
1811131541-2011131541EST

SAV A88793/18 26SEP181920-08MAY191920Z 10
FDC 8/8793 SAV IAP SAVANNAH/HILTON HEAD INTL,
SAVANNAH, GA.
RNAV (GPS) RWY 10, AMDT 2A...
LNAV/VNAV DA 517/HAT 487.
1809261920-1905081920EST

28

APPROACH PROCEDURES

SAV A80436/18 06NOV182320-19SEP191553Z 28
FDC 8/0436 SAV IAP SAVANNAH/HILTON HEAD INTL, SAVANNAH, GA.
RNAV (RNP) Y RWY 28, AMDT 2
RNP 0.15 DA 416/HAT 366
THIS IS RNAV (RNP) Y RWY 28 AMDT 2A.
1811062320-1909191553

END OF NOTAMS DOCUMENT - DL0957/17 REV 01 BZN-ATL

HD 0957 17FEB2031OP FOA BZN

////////////////////////////////////
////////////////////////////////////
// FLIGHT OPS ALERTS //
// DL0957/17/RLS 1 BZN-ATL 17FEB2031 //
//-----//
// NO ALERT MESSAGES AVAILABLE //
//-----//
// END OF REPORT //
////////////////////////////////////
////////////////////////////////////

HD 0957 17FEB2031 ADR BZN
BZN 13B620
172031

AIRCRAFT DISCREPANCY REPORT - CAPTAIN COPY
FOR SHIP 3730 AS OF 1531 EASTERN ON 17FEB19
FOR ANY QUESTIONS ABOUT AN ITEM CONTACT MAINT CTL
CODE LOC DATE DESCRIPTION
73-00-04 16FEB19 LOG 5541062//RIGHT FUEL FILTER DIFF
PRESSURE WARNING SYSTEM INOP/ REF LOG PG
5541054
END OF REPORT

HD 0957 17FEB2031 MBM BZN
BZN 13B620
172031

WEATHER BRIEFING
DL957/17 BZN-ATL SH-3730 RLS 1
DISP 97 FL 370 ETE 0305 17FEB2031
BZN 2125Z 1425L-ATL 0112Z 2012L ALTN SAV
KBZN..BZN..CZI..PWE..MCI..FAM..BNA..NEWBB..IHAVE..MTHEW.CHPPR1.
KATL0305

DESTINATION WEATHER
ATL 171800 METAR 171752Z 10010KT 1 1/4SM BR OVC004 09/08 A2996
RMK AO2 SFC VIS 3 RAE1653 SLP147 TWRINC P0001 60002
T00940078 10100 20094 50005
ATL 171900 METAR 171852Z 10008KT 1/4SM R09R/P6000FT BR OVC002
10/08 A2992 RMK AO2 SFC VIS 1 SLP132 TWRINC
T01000083
ATL 172000 METAR 171952Z 10010KT 1/4SM R09R/3500V4500FT -DZ BR
OVC002 10/09 A2990 RMK AO2 SFC VIS 3/4 DZB47 SLP127
TWRINC P0000 T01000089

DESTINATION FORECAST

TERMINAL FORECAST

ATL DL 171905 AMD 01 VALID 171905-182300 UTC

FM171900 10010KT 1SM -RA BR OVC002
FM172100 10010KT 3SM BR OVC004
FM180200 22006KT 4SM -RA BR OVC006
FM180600 31009KT 5SM -RA BR OVC008
FM181200 32010KT P6SM SCT012 SCT040
FM181400 32012G20KT P6SM FEW050
RMK DL TAF BY HEYING
DISCUSSION - NONE %

WEATHER AROUND DESTINATION

MGE 172000 METAR 171956Z 10009KT 3SM -DZ BR OVC006 09/08 A2991
RMK AO2A SLP124 WND DATA ESTMD ALSTG/SLP ESTMD
MGE 172000 METAR 171956Z 10009KT 3SM -DZ BR OVC006 09/08 A2991
RMK AO2A SLP124 WND DATA ESTMD ALSTG/SLP ESTMD
MGE 172000 METAR 171956Z 10009KT 3SM -DZ BR OVC006 09/08 A2991
RMK AO2A SLP124 WND DATA ESTMD ALSTG/SLP ESTMD
MGE 172000 METAR 171956Z 10009KT 3SM -DZ BR OVC006 09/08 A2991
RMK AO2A SLP124 WND DATA ESTMD ALSTG/SLP ESTMD
CSG 172000 METAR 171951Z 21007KT 10SM BKN018 BKN026 OVC065
23/17 A2986 RMK AO2 SLP107 T02280172
CHA 172000 METAR 171953Z 15003KT 1 1/2SM BR OVC005 11/09 A2984
RMK AO2 SLP106 T01060094
CHA 172018 SPECI 172016Z 16005KT 1 1/2SM -RA BR OVC004 11/09
A2983 RMK AO2 RAB1959 P0000 T01060094
BHM 172000 SPECI 171950Z 18004KT 2 1/2SM RA BR SCT007 BKN016
OVC021 17/16 A2980 RMK AO2 RAB11 P0005
BHM 172000 METAR 171953Z 20005KT 2SM -RA BR SCT007 BKN016
OVC021 17/16 A2982 RMK AO2 RAB11 SLP093 P0005
T01720161
BHM 172007 SPECI 172005Z 20004KT 3/4SM PRA BR FEW007 BKN016
OVC021 17/17 A2982 RMK AO2 P0006 T01720167 RVRNO
BHM 172019 SPECI 172017Z 00000KT 2SM RA BR FEW006 BKN016 OVC021
17/17 A2980 RMK AO2 PRESFR P0012 T01720167
AGS 172000 METAR 171953Z 07004KT 7SM OVC006 11/09 A2999 RMK AO2
RAB20E31 SLP154 P0000 T01060089

ALTERNATE AIRPORT WEATHER

SAV 171800 METAR 171753Z 08004KT 6SM BR OVC005 16/14 A3001 RMK
AO2 DZB22E38 SLP161 P0000 60000 T01560139 10161
20117 58008
SAV 171900 METAR 171853Z 13005KT 10SM OVC010 18/15 A2999 RMK
AO2 SLP154 T01780150
SAV 172000 METAR 171953Z 11011KT 10SM SCT013 OVC020 18/14 A2996
RMK AO2 SLP146 T01830144
SAV 172016 SPECI 172014Z 09009KT 10SM BKN013 OVC020 18/14 A2997
RMK AO2 T01780144

ALTERNATE FORECAST

TERMINAL FORECAST

SAV NWS 171733 KSAV 171730Z 1718/1818 12008KT P6SM OVC006
FM172030 15007KT P6SM SCT012 BKN020
FM180600 21010KT P6SM SCT004 OVC009

FM181500 28009KT P6SM VCSH OVC015

ORIGIN WEATHER

BZN 171900 METAR 171856Z 32007KT 6SM HZ SCT027 BKN035 OVC085
M12/M16 A3007 RMK AO2 SLP260 T11221161
BZN 172000 METAR 171956Z 30005KT 10SM FEW028 SCT032 OVC085
M12/M17 A3007 RMK AO2 SLP260 T11221172

ORIGIN FORECAST

TERMINAL FORECAST

BZN NWS 171742 KBZN 171739Z 1718/1824 30008KT 5SM -SHSN SCT015
BKN035
TEMPO 1718/1720 2SM -SN BR OVC015
FM172100 34008KT P6SM VCSH SCT025 BKN050
FM180700 VRB06KT P6SM VCFG SCT050 BKN080
FM181600 VRB06KT P6SM SCT040

TAKEOFF ALTERNATE WEATHER

NO REPORT

DRIFTDOWN ALTERNATE WEATHER

NO REPORT

ENROUTE SURFACE WEATHER

HLN 172000 METAR 171953Z 33013KT 10SM SCT035 BKN060 OVC095
M14/M21 A3019 RMK AO2 SLP319 T11441211
BIL 172000 METAR 171953Z 11006KT 2 1/2SM HZ FEW018 BKN035
OVC042 M15/M18 A3017 RMK AO2 SFC VIS 4 SNB12E32
SLP294 P0000 T11501183
BIL 172009 SPECI 172008Z 11004KT 5SM HZ FEW018 BKN042 OVC050
M15/M18 A3017 RMK AO2 T11501183
OMA 172000 METAR 171952Z 32013KT 8SM BKN017 BKN050 OVC070
M04/M08 A2992 RMK AO2 SNE49 SLP143 P0000 T10391078
MCI 172000 METAR 171953Z 29009KT 8SM OVC019 M03/M08 A2991 RMK
AO2 SLP140 T10331078
STL 172000 METAR 171951Z 26013KT 10SM OVC012 01/M01 A2981 RMK
AO2 SLP102 T00111011
BNA 172000 METAR 171953Z 30005KT 10SM BKN007 OVC011 09/07 A2976
RMK AO2 RAB22E52 SLP078 P0005 T00940072
BNA 172015 SPECI 172013Z 26004KT 1 3/4SM R02L/5000VP6000FT RA
BR OVC007 09/08 A2976 RMK AO2 VIS 3/4V5 RAB1958
P0002 T00890078
BNA 172025 SPECI 172023Z 24004KT 1 1/4SM R02L/5000VP6000FT PRA
BR BKN009 BKN015 OVC025 09/08 A2977 RMK AO2 SFC VIS
1 3/4 RAB1958 P0011 T00890078

TPS-ENROUTE AND UNITED STATES REGIONAL OUTLOOKS

SW26 172100-180300

TP SW26 170826Z

1.HI CA NV AZ

2.* ADVISORY *

VOR:BTY EED

HAZ:TURBC-UPPER FRONT

SOURCE:FORECAST
LINE:40N125W 38N122W
36N117W 35N114W
WIDTH:110NM
TIME:POSN AT 18/0000Z
ALTS:FL180-270 LGT/MOD
MVG FROM:33025
INFO:FRNT SHEAR-TOPS
3.VALID 172100Z/180300Z
4.CANCEL SW16

NW95 171940-181900
OUTLOOK: MOUNTAIN WAVE OUTLOOK
REGION: NW
ISSUED: 17/1940Z BY THOMAS
VALID:17/2000Z TO 18/1900Z
NOT ACTIVE:YXC GTF BZN BOY CZI BPI
COMMENTS: NO WAVES EXPECTED.

SW95 171940-181900
OUTLOOK: MOUNTAIN WAVE OUTLOOK
REGION: SW
ISSUED: 17/1940Z BY THOMAS
VALID:17/2000Z TO 18/1900Z
NOT ACTIVE:SLC CYS DEN BJC PUB ALS CIM FMG OAL BTY
COMMENTS: NO WAVES EXPECTED.

CN59 172100-180300
TP CN59 171744Z
1.KS OK MO IA IL IN
MI OH
2.* ADVISORY *
VOR:ICT COU BDF CRL
HAZ:TURBC-FRONT/TROP
SOURCE:FORECAST
LINE:37N097W 39N093W
41N089W 42N084W
WIDTH:120NM
TIME:POSN AT 18/0000Z
ALTS:FL370-410 LGT/MOD
FL200-300 LGT/MOD
MVG FROM:27010
3.VALID 172100Z/180300Z
4.CANCEL CN57

CS76 172100-180300
TP CS76 171636Z
1.NM TX OK KS
2.* ADVISORY *
VOR:TCS PNH ICT
HAZ:TURBC-UPPER FRONT
SOURCE:FORECAST
LINE:33N107W 35N100W
37N097W

WIDTH:120NM
TIME:POSN AT 18/0000Z
ALTS:FL200-270 LGT/MOD
MVG FROM:23015
3.VALID 172100Z/180300Z
4.CANCEL CS71

NE84 172100-180300
TP NE84 171948Z
1.KY TN NC VA
2.* ADVISORY *
VOR:PTW VHP BNA SWL
HAZ:TURBC-OTHER
SOURCE:FORECAST
AREA:40N076W 39N086W
35N086W 37N075W
TIME:POSN AT 18/0000Z
ALTS:FL350-400 LGT/MOD
150-FL250 LGT/MOD
MVG FROM:26030
INFO:LWR ALTS DUE TO
SHWRS/SHEAR. HIER
ALTS SPORADIC IN
CLOUDS MOSTLY LGT
3.VALID 172100Z/180300Z
4.CANCEL NE76

ALERTS NOT AVAILABLE FOR FIX MRCHH

TPS-STATION
BZN NO REPORT
ATL NO REPORT
SAV NO REPORT

DELTA PIREPS
DAL0928/17 SHIP 3609 POSN43277W108186,BOY,181706,400,JAC01,1827
59,JAC,M47,255030,104631C
DAL2664/17 SHIP 3033 POS MCI OVR 1736 NXT
ETA ENS ALT 350 FOB 0211 SAT 4 WND
250 10 MCH TRB LT CHOP SKY ICE RMK
DAL1193/17 SHIP 3735 POSN39172W094436,MCI,183213,370,AXC,185937
,VHP,M51,246113,1635473
DAL2816/17 SHIP 3740 POSN39171W094440,MCI,201642,370,ENL,204418
,JDUNN,M52,247136,1494FC9
DAL2891/17 SHIP 1402 POSN37218W094589,BUM02,174510,360,GLD,1841
16,DVV,M53,246171,431,81817FE
DAL2884/17 SHIP 3068 POS BUM OVR 1904 NXT
ETA ENS ALT 340 FOB 0264 SAT 4 WND
242 17 MCH TRB LT CHOP SKY ICE RMK
DAL0186/17 SHIP 7109 POSN37403W090138,FAM,173643,370,BNA,175630
,NEWBB,M55,253166,376FD69
DAL0678/17 SHIP 6714 POSN37203W090235,FAM08,174458,350,BNA,1805
01,NEWBB,M50,249155,165,80549A2
DAL0996/17 SHIP 5803 POSN36382W089267,,180327,330,VIS01,180702,

DIT02,M44,249146,231,788365E
DAL1605/17 SHIP 3852 POSN37402W090134,FAM,190806,330,BNA,192903
,NEWBB,M45,248161,16037E0
DAL2815/17 SHIP 3839 POSN38435W088401,ENL01,180837,320,IOW,1840
00,MNOSO,M44,252166,1909F9D
DAL0296/17 SHIP 7103 POSN38515W090290,STL,193105,370,BNA,195758
,NEWBB,M55,248177,3822BFC
DAL1269/17 SHIP 3724 POSN37479W086161,BWG01,192948,371,LOZ01,19
4058,KPA01,M53,255156,1476B99
REPORT INCOMPLETE

SUBSEQUENT STATIONS

NONE

FIELD CONDITIONS

BZN UPDATED-172029

%*RWY 12 DRY SNOW COVERAGE 100PCT DEPTH 1/8IN (3MM) RCC
%5/5/5 RMK-12IN SNOWBANKS OBS AT 1902041258
%*RWY 30 WET COVERAGE 50PCT RCC 5/5/5 RMK-12IN SNOWBANKS
%OBS AT 1902041258
%*TAXIWAY CONDITION CONTAINS DRY BRA NOT REPORTED
%RMK-NONE
%*RAMP CONDITION CONTAINS WATER OVER COMPCTD SNOW BRA NOT
%REPORTED RMK-NONE
%*BZN AIRPORT RMK-NONE

ATL UPDATED-171948

%*RWY 08L WET COVERAGE 100PCT RCC 5/5/5
%*RWY 08R WET COVERAGE 100PCT RCC 5/5/5
%*RWY 08R-E1 WET COVERAGE 100PCT RCC 5/5/5
%*RWY 09L WET COVERAGE 100PCT RCC 5/5/5
%*RWY 09L-M2 WET COVERAGE 100PCT RCC 5/5/5
%*RWY 09L-T WET COVERAGE 100PCT RCC 5/5/5
%*RWY 09R WET COVERAGE 100PCT RCC 5/5/5
%*RWY 10 WET COVERAGE 100PCT RCC 5/5/5
%*RWY 10-SG2 WET COVERAGE 100PCT RCC 5/5/5
%*TAXIWAY CONDITION CONTAINS WET BRA GOOD RMK-NONE
%*RAMP CONDITION CONTAINS WET BRA GOOD RMK-NONE
%*ATL AIRPORT RMK-NONE

SAV UPDATED-172014

%*RWY 01 DRY
%*RWY 10 DRY
%*RWY 19 DRY
%*RWY 28 DRY
%*TAXIWAY CONDITION CONTAINS DRY BRA NOT REPORTED
%RMK-NONE
%*RAMP CONDITION CONTAINS DRY BRA NOT REPORTED RMK-NONE
%*SAV AIRPORT RMK-NONE

WEATHER BRIEFING DL957/17 RLS NBR 01 END

HD 0957 17FEB2031 WCH BZN
BZN 13B620
172031

CREW MEMBER LIST
DL957/17/RLS 1 BZN-ATL 17FEB2031

1P/ [REDACTED] 14FEB

PLT A [REDACTED]

1P/ [REDACTED] 16FEB

PLT B [REDACTED]

4F/ [REDACTED] 17FEB

F/A A [REDACTED]-----

F/A B [REDACTED]-----

F/A C [REDACTED]-----

F/A D [REDACTED]-----

CREW FOR DL957/17 RLS NBR 01

HD 0957 17FEB2031 RLA BZN

BZN 13B620
172031

FLIGHT PLAN ADDENDUM

FLT 0957/17FEB SHIP 3730 BZN-ATL RLS 1

**** LATEST ALLOWABLE TAKEOFF TIME
**** DUE MAXIMUM FLIGHT DUTY PERIOD LIMIT

FIRST OFFICER ROTATION ID [REDACTED]
DUTY LATT DUE MAX FDP LIMIT: 18/0511Z
DUTY LATT DUE MAX FDP LIMIT WITH EXTENSION APPLIED:18/0711Z

CAPTAIN ROTATION ID [REDACTED]
DUTY LATT DUE MAX FDP LIMIT: 18/0511Z
DUTY LATT DUE MAX FDP LIMIT WITH EXTENSION APPLIED:18/0711Z

PSGR CONFIG 16/144

MEL NOTES:
S53-00-01

PERFORMANCE CORRECTION FOR 2KU WIFI RADOME
FLT OPS PROC:PERFORMANCE CORRECTIONS HAVE BEEN APPLIED
S99-99-01
NON HZMAT AC PART IN CRGO-ACCTED FOR IN AWABS-NO PILOT ACT REQ
FLT OPS PROC:PERFORMANCE CORRECTIONS HAVE BEEN APPLIED
M73-00-04
FUEL FILTER DIFFERENTIAL PRESSURE WARNING SYSTEMS
FLT OPS PROC: REFER TO MEL

CAPTAIN/FLIGHT ATTENDANT BRIEFING GUIDE

DAL 0957 17FEB19 BZN-ATL ETE 03:05
PILOT NAMES

A [REDACTED]

B [REDACTED]

ALL FLIGHTS:

1. SECURITY CONSIDERATIONS
2. FLIGHT DECK ENTRY/EXIT
3. PLANNED FLT TIME/ALT
4. ENROUTE/DEST WX
5. OVERWATER BRIEFING
6. PA COORDINATION
7. EASY VICTOR, RED, YELLOW
8. EXTRA CREW MEMBER-XCM
9. REQUIRED DOCS/PASSPORT
10. MEDICAL EVENT PLAN
11. FA/ACS MINUTE BRIEF

FIRST FLIGHT OF THE DAY/AFTER CREW CHANGE

12. SEAT BELT/NO SMOKING SIGN USE
13. REVIEW OF CABIN DISCREPANCIES
14. PASSENGER MISCONDUCT PROCEDURES

HD 0957 17FEB2110 MBU BZN
BZN 0FA907
172110

*****TEAR HERE*****

UPDATED WEATHER BRIEFING

DL957/17 BZN-ATL SH-3730 RLS 1
DISP 97 FL 370 ETE 0305 17FEB2110
BZN 2125Z 1425L-ATL 0112Z 2012L ALTN SAV
KBZN..BZN..CZI..PWE..MCI..FAM..BNA..NEWBB..IHAVE..MTHEW.CHPPR1.
KATL0305

DESTINATION WEATHER

ATL 172100 METAR 172052Z 10010KT 1/4SM R09R/2200V3000FT -DZ FG
OVC002 09/08 A2988 RMK AO2 SFC VIS 1/2 RAB25E38
SLP120 P0000 60000 T00940083 56026

WEATHER AROUND DESTINATION

MGE 172100 METAR 172056Z 11009KT 3SM -RA BR OVC006 09/09 A2989
RMK AO2A SLP117 WND DATA ESTMD ALSTG/SLP ESTMD
MGE 172100 METAR 172056Z 11009KT 3SM -RA BR OVC006 09/09 A2989
RMK AO2A SLP117 WND DATA ESTMD ALSTG/SLP ESTMD
MGE 172100 METAR 172056Z 11009KT 3SM -RA BR OVC006 09/09 A2989
RMK AO2A SLP117 WND DATA ESTMD ALSTG/SLP ESTMD
MGE 172100 METAR 172056Z 11009KT 3SM -RA BR OVC006 09/09 A2989
RMK AO2A SLP117 WND DATA ESTMD ALSTG/SLP ESTMD
CSG 172100 METAR 172051Z 20010KT 10SM FEW023 SCT050 OVC060
23/17 A2984 RMK AO2 SLP103 T02280172 56028
CHA 172100 METAR 172053Z 17003KT 1 1/2SM -DZ BR OVC004 11/09
A2982 RMK AO2 RAB1959E19DZB19 SLP098 P0002 60002
T01060094 58018
BHM 172100 METAR 172053Z 18006KT 7SM -RA BKN009 BKN030 OVC037
18/17 A2978 RMK AO2 RAE33B53 SLP080 P0014 60019
T01780167 58026
AGS 172100 METAR 172053Z AUTO 11004KT 9SM OVC005 11/09 A2995
RMK AO2 RAB04E13 SLP143 P0000 60000 T01060089 58022

ALTERNATE AIRPORT WEATHER

SAV 172100 METAR 172053Z 09006KT 10SM OVC013 18/14 A2996 RMK
AO2 SLP144 T01780144 56017

ORIGIN WEATHER

BZN 172100 METAR 172056Z 29006KT 10SM FEW030 SCT036 OVC085
M12/M18 A3008 RMK AO2 SLP264 T11221183 51005

ENROUTE SURFACE WEATHER

HLN 172100 METAR 172053Z 34017KT 10SM OVC050 M14/M21 A3019 RMK
AO2 SLP319 T11391211 58000
BIL 172100 SPECI 172051Z 08005KT 1 3/4SM -SN SCT016 BKN039

OVC050 M14/M18 A3018 RMK AO2 SNB48 P0001
BIL 172100 METAR 172053Z 09006KT 1 1/2SM -SN SCT016 BKN034
OVC050 M14/M18 A3018 RMK AO2 SNB48 SLP296 P0001
60002 T11441178 51005
BIL 172101 SPECI 172059Z 06006KT 2 1/2SM -SN SCT016 BKN030
OVC045 M14/M18 A3018 RMK AO2 P0000 T11441183
OMA 172100 METAR 172052Z 33015KT 9SM BKN018 OVC070 M04/M08
A2993 RMK AO2 SLP147 60000 T10391083 53007
MCI 172100 METAR 172053Z 29011KT 9SM OVC021 M03/M08 A2993 RMK
AO2 SLP145 T10331083 53009
STL 172100 METAR 172051Z 28012KT 10SM OVC015 01/M02 A2983 RMK
AO2 SLP110 T00111022 53006
BNA 172100 METAR 172053Z 30006KT 3SM RA BR BKN008 BKN015 OVC030
09/08 A2979 RMK AO2 SFC VIS 4 RAB1958 SLP087 P0026
60031 T00940078 55003

TPS-ENROUTE AND UNITED STATES REGIONAL OUTLOOKS

CN66 172056-180300
TP CN66 172056Z
1.KS OK MO IA IL IN
MI OH
2.* ADVISORY *
VOR:CRL ICT
HAZ:TURBC-FRONT/TROP
SOURCE:PIREPS
LINE:42N084W 37N097W
WIDTH:120NM
TIME:POSN AT 17/2055Z
ALTS:FL370-410 LGT/MOD
FL200-300 LGT/MOD
MVG FROM:27010
3.VALID 172056Z/180300Z
4.CANCEL CN61 CN59

SE08 172053-180300
TP SE08 172053Z
1.MS AL GA TN
2.* ADVISORY *
VOR:SQS VXV MCN
HAZ:TURBC-OTHER
SOURCE:PIREPS
AREA:34N091W 36N085W
33N084W 33N090W
TIME:POSN AT 17/2051Z
ALTS:150-FL330 LGT/MOD
MVG FROM:27025
INFO:FAST MOVG
RAINSHWRS. MOST
TOPS AOB
FL250..ISLD TO
FL320. CELLS MVG NE
60KTS
3.VALID 172053Z/180300Z

4.CANCEL NONE

NE90 172103-180300

TP NE90 172103Z

1.KY TN NC VA

2.* ADVISORY *

VOR:RBV ROD YOCKY SWL

HAZ:TURBC-OTHER

SOURCE:FORECAST

AREA:41N075W 40N084W

37N084W 38N075W

TIME:POSN AT 18/0000Z

ALTS:FL370-410 LGT/MOD

150-FL250 LGT/MOD

MVG FROM:26030

INFO:LWR ALTS DUE TO

SHWRS/SHEAR. HIER

ALTS SPORADIC IN

TROP.

3.VALID 172103Z/180300Z

4.CANCEL NE89

FIELD CONDITIONS

BZN UPDATED-172100

%*RWY 12 DRY SNOW COVERAGE 100PCT DEPTH 1/8IN (3MM) RCC

%5/5/5 RMK-12IN SNOWBANKS OBS AT 1902041258

%*RWY 30 WET COVERAGE 50PCT RCC 5/5/5 RMK-12IN SNOWBANKS

%OBS AT 1902041258

%*TAXIWAY CONDITION CONTAINS DRY BRA NOT REPORTED

%RMK-NONE

%*RAMP CONDITION CONTAINS WATER OVER COMPCTD SNOW BRA NOT

%REPORTED RMK-NONE

%*BZN AIRPORT RMK-NONE

ATL UPDATED-172058

%*RWY 08L WET COVERAGE 100PCT RCC 5/5/5

%*RWY 08R WET COVERAGE 100PCT RCC 5/5/5

%*RWY 08R-E1 WET COVERAGE 100PCT RCC 5/5/5

%*RWY 09L WET COVERAGE 100PCT RCC 5/5/5

%*RWY 09L-M2 WET COVERAGE 100PCT RCC 5/5/5

%*RWY 09L-T WET COVERAGE 100PCT RCC 5/5/5

%*RWY 09R WET COVERAGE 100PCT RCC 5/5/5

%*RWY 10 WET COVERAGE 100PCT RCC 5/5/5

%*RWY 10-SG2 WET COVERAGE 100PCT RCC 5/5/5

%*TAXIWAY CONDITION CONTAINS WET BRA GOOD RMK-NONE

%*RAMP CONDITION CONTAINS WET BRA GOOD RMK-NONE

%*ATL AIRPORT RMK-NONE

SAV UPDATED-172100

%*RWY 01 DRY

%*RWY 10 DRY

%*RWY 19 DRY

%*RWY 28 DRY

%*TAXIWAY CONDITION CONTAINS DRY BRA NOT REPORTED

%RMK-NONE

%*RAMP CONDITION CONTAINS DRY BRA NOT REPORTED RMK-NONE
%*SAV AIRPORT RMK-NONE

{
UPDATED BRIEFING DL957/17 RLS NBR 01 END

HD 0957 17FEB2110 GMR BZN

GATE MESSAGE
DL957BZN/RLS 1 BZN-ATL 17FEB2110

NONE TRANSMITTED

END OF REPORT

HD 0957 17FEB2110 LAT BZN
FAR 117 LATEST ALLOWABLE TAKEOFF TIMES

DL0957/17/RLS 01 BZN-ATL 17FEB2110Z

***** LATEST ALLOWABLE TAKEOFF TIME *****
***** DUE MAXIMUM FLIGHT DUTY PERIOD LIMIT *****

FIRST OFFICER ROTATION ID/DATE [REDACTED]/16FEB
DUTY LATT DUE MAX FDP LIMIT: 18/0511Z
DUTY LATT DUE MAX FDP LIMIT WITH EXTENSION APPLIED: 18/0711Z

CAPTAIN ROTATION ID/DATE [REDACTED]/14FEB
DUTY LATT DUE MAX FDP LIMIT: 18/0511Z
DUTY LATT DUE MAX FDP LIMIT WITH EXTENSION APPLIED: 18/0711Z

***** LATEST ALLOWABLE TAKEOFF TIME *****
***** DUE MAXIMUM FLIGHT TIME LIMIT *****

FIRST OFFICER ROTATION ID/DATE [REDACTED]/16FEB

(:) PLUS 05:46 EQUALS (:)

OUT MAX TAXI BLOCK LATT

CAPTAIN ROTATION ID/DATE NYCC384/14FEB

(:) PLUS 05:46 EQUALS (:)

OUT MAX TAXI BLOCK LATT

FAR 117 LATEST ALLOWABLE TAKEOFF TIMES DL0957/17/RLS 01