



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

March 9, 2017

Attachment 8 – Incident Flight On Board Paperwork

OPERATIONAL FACTORS

DCA17IA020

PLAN 1948 EAL3452 KFOD TO KLGA 7370 LRC/F IFR 10/27/16
NONSTOP COMPUTED 1839Z FOR ETD 2000Z PROGS 2712NWS N278EA KGS

MASAL

EASTERN AIRLINES FOR ETD 2000Z VOID 2200Z
ORIGIN FOD/KFOD FT DODGE REGL
DESTINATION LGA/KLGA LAGUARDIA
ALTERNATE ACY/KACY ATLANTIC CITY

	FUEL	TIME	DIST	PLAN	ACTUAL	STRUC
BURN KLGA	004560	02.03	0938	OEW 039612	. . . .	LIMIT
RSV 0 PCT	001566	00.45		PYLD 007500	. . . .
ALTN KACY	000858	00.20	0086	ZFW 047112	. . . .	.054567
HOLD	000000	00.00		TOW 060885	. . . .	.069399
CONT	000000	00.00				
MIN RQRD	006984	03.08		TOF 013773	. . . .
EXTRA	006789	03.11		BURN 004560	. . . .
TNKR	000000	00.00		LDW 056325	. . . .	.058059
TOTAL T/O	013773	06.19				
TAXI	000227					
TOTAL RMP	014000			TOTAL RMP IN LBS		030865

LNDG FUEL 009213 AVG W/C P056 NAM 0839

BURNOFF ADJUSTMENT PER 2000 KGS CHANGE IN TAKEOFF WT 0109 KGS

FLT CREW	BLOCK TIME	FLT TIME	FUEL
CAPT ROBERT GALLOWAY	IN 2350	ON 2342	T/O 13.8
F/O DIEGO RESTREPO	OUT 2110	OFF 2122	LDG
PUR VICTORIA VERA	TTL 2440	TTL 2420	TTL
FA VICTORIA MERCER	FA JOSE CORTES	FA INES CUSELL	
FA STEPHEN DIEHL	MX GREGORY NICHOLLS	GSC WENDY DIANNE	

DEPT ATIS *AWOS 180/8 CLR 17/30.10*
CLEARANCE *..LGA ALO as f- 80 1620*

MEL 27-07 AUTO SPOILER DID NOT DEPLOY ON LANDING

RMKS - FOD - FORT DODGE FLT. SUPPORT FREQ: 123.00
LGA - SHELTAIR FREQ: : 129.70

*** MIN RQRD FUEL 6984 KGS EQUALS 15365 LBS ***
*** FLY AWAY KIT 605 KGS ***

(FPL-EAL3452-IN
-B737/M-SDFGHILORVWY/H
-KFOD2000
-N0442F370 DCT ALO DCT DBQ J94 OBK DCT GIJ J146 ETG MIP4
-KLGA0203 KACY
-PBN/B1C1D1O1S1S2 DOF/161027 REG/N278EA
EET/KZAU0008 KZOB0054 CZYZ0105 KZNY0131 SEL/CDBL RMK/TCAS EQUIPPED)

CPT AWY DIST MCS MACH TRP WIND PFRM LEG-T ETA FL ACTUAL
 FRQ GRS TCS TAS TDV TEMP AFRM TOT-T ATA ACT WIND
 LAT/LON SHEAR

2/22

KFOD

N42 33.1 W094 11.5

~~A/O~~ .. 080 087 CLB 41 32/058 0127 00.13 35 CLB /
 112.2 497 089 459 ... M044 00.13 36 /
 N42 33.4 W092 23.9 ..

TOC .. 032 091 CLB 40 32/080 0125 00.03 38 370 /
 492 096 442 ... M060 12.6 00.16 41 /
 N42 29.4 W091 41.4 ..

~~DEQ~~ .. 044 091 .777 40 32/080 0123 00.06 44 370 /
 115.8 492 096 442 M03 M060 12.4 00.22 45 /
 N42 24.1 W090 42.5 05

COTON J94 062 090 .777 40 32/078 0120 00.07 51 370 /
 488 094 442 M03 M060 12.1 00.29 53 /
 N42 19.2 W089 18.7 04 1

OBK J94 061 098 .775 39 32/084 0117 00.08 59 370 /
 113.0 492 095 441 M03 M060 00.37 /
 N42 13.3 W087 57.1 03

GIJ .. 078 112 .775 39 32/085 0114 00.09 22.0 08 370 /
 115.4 511 110 441 M03 M060 00.46 /
 N41 46.1 W086 19.1 02

PLAIN J146 050 089 .775 38 32/082 0112 00.06 14 370 /
 489 089 441 M03 M060 00.52 /
 N41 46.7 W085 12.4 04

GERBS J146 035 096 .773 38 31/079 0110 00.04 18 370 /
 493 090 440 M03 M060 00.56 /
 N41 46.7 W084 25.5 05

IDEAS J146 039 097 .773 38 31/076 0108 00.05 23 370 /
 497 090 441 M02 M059 01.01 /
 N41 46.3 W083 33.1 04

WOODST J146 035 104 .773 37 31/072 0107 00.04 27 370 /
 504 097 442 M01 M058 01.05 /
 N41 41.7 W082 47.4 04

CXR J146 074 105 .773 37 30/066 0104 00.09 36 370 /
 112.7 505 098 443 00 M057 10.5 01.14 37 /
 N41 31.0 W081 09.8 04

TEESY J146 048 102 .773 37 29/061 0102 00.06 42 370 /
 503 097 443 00 M057 01.20 /
 N41 25.3 W080 06.7 01

MIGET J146 057 107 .771 36 28/059 0099 00.07 49 370 /

RUSON
 390
 1 38980
 2 39000
 3 39100

ETG

		502	097	443	P01	M056		01.27	49	/
N41	17.7	W078	51.9		01					/
WAVEL	J146	019	108	.771	36	27/059	0099	00.02	51	370 /
		501	098	442	00	M057		01.29		/
N41	15.0	W078	27.5		01					/
EVG	J146	014	109	.771	36	27/060	0098	00.01	52	370 /
	116.0	501	098	442	00	M057		01.30		/
N41	12.9	W078	08.6		01					/
MIP	MIP4	068	109	.771	37	26/061	0095	00.09	2300 07	370 /
	109.2	500	099	441	M01	M058		01.39		/
N41	01.4	W076	39.9		03					/
TOD	MIP4	010	117	.770	37	26/065	0095	00.01	02	370 /
		496	108	440	M01	M058	10.0	01.40	48	/
N40	58.2	W076	27.6		01					/
MARRC	MIP4	011	117	.DSC	37	26/064	0095	00.01	03	DSC /
		502	108	448	M03	M055		01.41		/
N40	55.1	W076	13.9		01					/
BILEY	MIP4	023	120	.DSC	37	26/058	0094	00.03	06	DSC /
		465	108	418	M01	M039		01.44		/
N40	48.0	W075	44.8		01					/
VIBES	MIP4	007	120	.DSC	37	26/056	0094	00.00	06	DSC /
		452	108	406	P01	M034		01.44		/
N40	45.8	W075	36.0		01					/
FJC	MIP4	007	120	.DSC	37	26/054	0094	00.01	07	DSC /
	117.5	438	108	395	P02	M029		01.45		/
N40	43.6	W075	27.3		02					/
LIZZI	MIP4	014	115	.DSC	37	26/047	0094	00.02	09	DSC /
		410	105	371	P04	M019		01.47		/
N40	39.9	W075	08.9		02					/
BEUTY	MIP4	008	145	.DSC	37	25/043	0094	00.02	11	DSC /
		377	132	357	P04	M013		01.49		/
N40	34.2	W075	00.7		02					/
HARLM	MIP4	013	124	.DSC	37	25/041	0094	00.02	13	DSC /
		368	112	338	P04	M007		01.51		/
N40	29.4	W074	44.9		01					/
DREMS	MIP4	010	124	.DSC	37	25/040	0094	00.02	15	DSC /
		318	111	290	P03	M002		01.53		/
N40	25.7	W074	32.4		02					/
APPLE	MIP4	023	083	.DSC	37	22/037	0093	00.04	19	DSC /
		283	070	262	M01	P006		01.57		/
N40	33.4	W074	03.7		07					/
PROUD	MIP4	005	046	.DSC	37	19/030	0093	00.01	20	DSC /
		272	033	256	M02	P009		01.58		/

M16-ET
 w AP
 390-10
 2305

(B) 130-9 3 R 15 B 2200 19/11 3014 F 22
 -MIP 22
 9 N

N40 37.8 W074 00.0 07
 KLGA MIP4 011 046 DSC 37 15/021 0092 00.05 2320 DSC /
 159 033 150 ... P009 02.03 /
 N40 46.6 W073 52.4 .. 21 22 /
 © 2251 120-9 3 K 9 6 15 0VE 13/11 23 3014 J22 CL OTS 5-100 W 078
 TIME TTK DIST FL W/C FUEL
 ALTERNATE - 1 KACY 00.20 202 0086 160 M026 858

START OF WIND AND TEMPERATURE SUMMARY FOD TO LGA													
FL	ISA	WIND	CMP	TMP	WIND	CMP	TMP	WIND	CMP	TMP	WIND	CMP	TMP
390	-56	33087	+051	-64	33083	+046	-64	33079	+047	-64	32076	+063	-63
370	-56	32080	+050	-60	32078	+046	-60	32084	+051	-60	32085	+070	-60
350	-54	32073	+048	-55	32073	+047	-56	32078	+051	-56	32085	+072	-56
		DBQ			COTON			ORR			GIJ		
390	-56	32074	+046	-63	31072	+050	-61	31068	+052	-60	30065	+058	-59
370	-56	32082	+048	-60	31079	+053	-60	31076	+056	-59	31072	+062	-58
350	-54	32090	+052	-56	32086	+055	-56	31083	+057	-56	31078	+065	-56
		PLAIN			GERBS			IDEAS			WOOST		
390	-56	29061	+058	-58	29058	+057	-57	28057	+057	-57	27057	+057	-57
370	-56	30066	+062	-57	29061	+060	-57	28059	+059	-56	27059	+059	-57
350	-54	30070	+064	-55	29063	+062	-55	28061	+061	-55	27061	+060	-55
		CXR			TEESY			MIGET			WEVEL		
390	-56	27058	+057	-57	27060	+058	-58						
370	-56	27060	+059	-57	26061	+059	-58						
350	-54	27061	+060	-55	26062	+059	-56						
		ETG			MIP								

I hereby certify that I have reviewed all the pertinent material from FLIGHT PLAN 1948 and the MEL status of the aircraft and I am route qualified IAW FAR 121.443. Further, I have had proper rest prior to this flight and I affirm that I am physiologically and mentally prepared and capable of performing the duties assigned to me by Eastern Airlines.

CA SIGN: _____

I have had proper rest prior to this flight and I affirm that I am physiologically and mentally prepared and capable of performing the duties assigned to me by Eastern Airlines.

FO SIGN: _____

RLSD BY

ACCEPTED BY

CHEFY CEDENO

CAPTAINS SIGNATURE

Briefing**Data for KFOD****METARs**

KFOD 271835Z AUTO 17009KT 10SM CLR 14/07 A3016 RMK AO1
 KFOD 271815Z AUTO 17008KT 14CV200 10SM CLR 13/07 A3018 RMK AO1
 KFOD 271755Z AUTO 16008KT 10SM CLR 13/06 A3019 RMK AO1 10130
 20070 57020

TAFs

TAF KFOD 271733Z 2718/2818 16008KT P6SM SKC
 FM281400 19012G18KT P6SM SCT070

Winds/Temps Aloft (FBUS Data)

No Winds/Temps Aloft (FBUS Data) issued.

SIGMETs

No SIGMETs issued.

WSI SIGMETs

No WSI SIGMETs issued.

D NOTAMS

!FOD 10/161 FOD TWY F, G, H, D BTN APCH END RWY 12 AND RWY 06/24 CLSD 1610271459-1610272100
 !FOD 10/160 FOD RWY 12/30 CLSD 1610271454-1610272100
 !FOD 10/158 FOD TWY C CLSD 1610262058-1610282200
 !FOD 10/140 FOD NAV TACAN OUT OF SERVICE 1610241731-1611161800EST
 !FOD 10/139 FOD APRON TERMINAL RAMP SE 440FT CLSD EXC ACFT WINGSPAN LESS THAN 79FT 1610241711-
 1611182300
 !FOD 10/138 FOD APRON TERMINAL RAMP SE 440FT WIP CONST LGTD AND BARRICADED 1610241634-
 1611182300
 !FOD 10/134 FOD OBST TOWER LGT (ASR 1018119) 422946.70N0941233.60W (3.4NM SSW FOD) 1455.7FT
 (324.8FT AGL) OUT OF SERVICE 1610221711-1611061711
 !FOD 10/082 FOD OBST TOWER LGT (ASR 1018120) 422942.70N0941233.90W (3.5NM SSW FOD) 1763.8FT
 (637.8FT AGL) OUT OF SERVICE 1610150507-1610300507
 !FOD 10/072 FOD OBST TOWER LGT (ASR 1053246) 422908.00N0941110.00W (4.0NM S FOD) 1476.4FT
 (419.9FT AGL) OUT OF SERVICE 1610140039-1611150039

FDC NOTAMs

No FDC NOTAMs issued.

Data for KLGA**METARs**

SPECI KLGA 271814Z 09010KT 9SM -RA SCT013 BKN025 OVC031 07/04 A3029
 RMK AO2 CIG 013 R22 SW P0002 T00720039 S
 KLGA 271751Z 09013G20KT 10SM -RA BKN014 OVC027 07/04 A3029 RMK
 AO2 RAE1652B14 PRESFR SLP257 P0001 60008 T00720039 10072 20056
 58041 \$

Briefing : Data for KLG : TAFs

TAFs

TAF KLG 271740Z 2718/2818 12013G20KT 6SM -RA BKN015 OVC025
FM272100 14014G22KT 3SM -RA BR SCT007 OVC015
FM272300 16013G20KT 1SM RA BR BKN007 OVC012
FM280200 21011KT 3SM -RA BR OVC015
FM280500 28012G19KT P6SM BKN025
FM281000 29016G22KT P6SM BKN035
FM281500 30018G26KT P6SM BKN040

Winds/Temps Aloft (FBUS Data)

No Winds/Temps Aloft (FBUS Data) issued.

SIGMETs

OUTLOOK VALID 271955-272355
AREA 1...FROM 40ENE EWC-JFK-40SE SBY-40SE SPA-ATL-30N VUZ-60ENE
LOZ-40ENE EWC
WST ISSUANCES POSS. REFER TO MOST RECENT ACUS01 KWNS FROM STORM
PREDICTION CENTER FOR SYNOPSIS AND METEOROLOGICAL DETAILS.

WSI SIGMETs

No WSI SIGMETs issued.

D NOTAMs

!LGA 10/159 LGA SVC TFC MANAGEMENT PROGRAM ALERT SEE ATCSCC MSG
1610271700-1610280159

!LGA 10/160 LGA TWY F WEST OF TWY BB, TWY D WEST OF TWY BB CLSD 1610271700-1610281700

!LGA 10/158 LGA TWY B EDGE MARKINGS BTN TWY D AND TWY C NOT STD 1610271018-1612312359

!LGA 10/157 LGA RWY 04/22 RWY STATUS LGT SYSTEM OUT OF SERVICE 1610261554-1610312359

!LGA 10/154 LGA TWY J CL MARKINGS NOT STD 1610251233-1704302359

!LGA 10/133 LGA TWY CY SEC PAINTED HLDG PSN SIGNS AT RWY 04/22 EAST
SIDE FADED 1610211322-1612311600

!LGA 10/132 LGA TWY E HLDG PSN MARKINGS FOR TWY B NOT MARKED 1610210803-1612160300

!LGA 10/115 LGA TWY C HLDG PSN MARKINGS FOR RWY 04/22 EAST SIDE FADED 1610182152-1612312359

!LGA 10/097 LGA TWY Z IN PAVEMENT RWY GUARD LGT AT APCH END RWY 31 OUT OF SERVICE 1610161346-
1612312359

!LGA 10/096 LGA TWY Z ELEVATED GUARD LGT AT APCH END RWY 31
OUT OF SERVICE 1610161340-1612312359

!LGA 10/067 LGA TWY A BTN EAST TRANSIENT PRKG TAXILANE EAST ENTRANCE AND EAST TRANSIENT PRKG
TAXILANE WEST ENTRANCE CLSD 1610120400-1611121100

!LGA 10/069 LGA TWY L BTN TWY A AND TWY B CLSD 1610120400-1611121100

!LGA 10/070 LGA APRON TAXILANE ZA NOW TWY A 1610120400-1611121100

!LGA 10/072 LGA TWY A BTN TWY M AND TWY K WIP OPEN TRENCH IN THE SAFETY AREA 1610120400-
1611121100

!LGA 10/075 LGA TWY A BTN TWY M AND TWY K TAXI SPEED 10 KT OR LESS
1610120400-1611121100

!LGA 10/073 LGA TWY B BTN TWY M AND TWY K WIP OPEN TRENCH IN THE SAFETY AREA 1610120400-
1611121100

!LGA 10/076 LGA TWY TWY A BTN TWY M AND TWY K CLSD TO ACFT WINGSPAN MORE THAN 118 FT
1610120400-1611121100

Briefing : Data for KLGA : D NOTAMs

!LGA 10/074 LGA TWY A CL LGT BTN TWY M AND TWY K OUT OF SERVICE 1610120400-1611121100
!LGA 10/059 LGA RWY 31 RWY END ID LGT OUT OF SERVICE 1610101033-1611301100
!LGA 10/049 LGA RWY 22 BTN TWY Y AND TWY C NOT GROOVED 1610081842-1612312359
!LGA 10/048 LGA RWY 04 BTN TWY Y AND TWY C NOT GROOVED 1610081841-1612312359
!LGA 10/033 LGA TWY Y SFC PAINTED HLDG PSN SIGNS FOR RWY 04/22 EAST SIDE FADED 1610060013-1612311100
!LGA 10/023 LGA AD AP MIGRATORY BIRD ACT INCREASED 1610031932-1612311100
!LGA 10/022 LGA AD AP FRICTION MEASURING DEVICE OUT OF SERVICE 1610031842-1612311100
!LGA 09/117 LGA RWY 04/22 RCLL OUT OF SERVICE 1609260836-1611301100
!LGA 09/108 LGA COM VOR VOICE 122.1 OUT OF SERVICE 1609221151-PERM
!LGA 09/059 LGA RWY 31 LEAD OFF LGT AT TWY T OUT OF SERVICE 1609150455-1701161700
!LGA 09/058 LGA RWY 31 LEAD OFF LGT AT TWY S OUT OF SERVICE 1609150452-1701161700
!LGA 09/050 LGA TWY G EDGE LGT BTN RWY 04/22 AND TWY R OUT OF SERVICE 1609120642-1610310400
!LGA 09/049 LGA TWY Q EDGE LGT OUT OF SERVICE 1609120640-1610310400
!LGA 09/048 LGA TWY F CL MARKINGS BTN RWY 04/22 AND TWY B OBSC 1609120044-1611141700
!LGA 09/001 LGA APRON TRANSIENT PARKING RAMP SPOT 9 NONMOVEMENT AREA BDRY MARKINGS S SIDE NOT STD 1609010019-1612312359
!LGA 08/111 LGA TWY R SFC PAINTED HLDG PSN SIGNS AT RWY 04/22 ILS NOT STD 1608310632-1612312359
!LGA 08/062 LGA TWY B CL LGT BTN APCH END RWY 04 AND TWY F OUT OF SERVICE 1608180936-1610312300
!LGA 08/058 LGA TWY Z CL LGT BTN APCH END RWY 31 AND TWY B OUT OF SERVICE 1608170801-1612312300EST
!LGA 08/055 LGA RWY 04 LEAD ON LGT AT TWY B OUT OF SERVICE 1608161021-1612311100
!LGA 07/157 LGA RWY 31 LEAD ON CL MARKINGS AT TWY Z NOT STD 1607310845-1612312359
!LGA 07/145 LGA RWY 31 LEAD OFF LGT AT TWY J OUT OF SERVICE 1607300244-1612312359
!LGA 07/119 LGA TWY U SFC PAINTED HLDG PSN SIGNS FOR RWY 04/22 OBSC 1607252348-1612312359
!LGA 07/117 LGA TWY U HLDG PSN MARKINGS FOR RWY 04/22 OBSC 1607252340-1612312359
!LGA 07/077 LGA TWY Z EDGE LGT BTN APCH END RWY 31 AND TWY B OUT OF SERVICE 1607140943-1612312300
!LGA 07/076 LGA TWY L EDGE LGT BTN RWY 13/31 AND TWY B OUT OF SERVICE 1607140942-1612312300
!LGA 07/075 LGA TWY J EDGE LGT BTN RWY 13/31 AND TWY B OUT OF SERVICE 1607140941-1612312300
!LGA 07/074 LGA TWY W EDGE LGT BTN RWY 13/31 AND TWY B OUT OF SERVICE 1607140940-1612312300
!LGA 07/073 LGA TWY F EDGE LGT BTN RWY 04/22 AND TWY AA OUT OF SERVICE 1607140937-1612312300
!LGA 07/059 LGA TWY L CL LGT BTN TWY A AND TWY B OUT OF SERVICE 1607120730-1612312300
!LGA 07/058 LGA TWY M CL LGT BTN TWY A AND TWY B OUT OF SERVICE 1607120724-1612312300
!LGA 07/049 LGA TWY L IN PAVEMENT RWY GUARD LGT OUT OF SERVICE 1607110846-1612312359
!LGA 05/129 LGA RWY 13 LEAD OFF LGT AT TWY Z OUT OF SERVICE 1605240930-1612312359
!LGA 05/115 LGA RWY 13 LEAD OFF LGT AT TWY W OUT OF SERVICE 1605220439-1612312359

Briefing : Data for KLGA : D NOTAMS

!LGA 05/103 LGA TWY V EDGE LGT BTN RWY 13/31 AND TWY B OUT OF SERVICE 1605191024-1611101900
!LGA 05/083 LGA TWY M ELEVATED GUARD LGT OUT OF SERVICE 1605150126-1612312359
!LGA 05/084 LGA TWY M HLDG PSN SIGN LGT OUT OF SERVICE 1605150126-1612312359
!LGA 05/082 LGA TWY M IN PAVEMENT RWY GUARD LGT OUT OF SERVICE 1605150125-1612312359
!LGA 05/018 LGA TWY CC BTN TWY E AND TRANSIENT PARKING RAMP SPOT 9 WIP CONST ADJ WEST SHOULDER BARRICADED DLY SR-SS 1605041751-1611150500
!LGA 05/015 LGA TWY CC BTN TWY G AND TWY E CLSD TO ACFT WINGSPAN MORE THAN 125FT 1605041746-1611150500
!LGA 05/014 LGA TWY L HLDG PSN SIGN NOT LGTD 1605041004-1612312359
!LGA 05/010 LGA RWY 13 LEAD OFF LGT AT TWY L OUT OF SERVICE 1605030930-1611302300
!LGA 05/009 LGA TWY L ELEVATED GUARD LGT OUT OF SERVICE 1605030928-1611302300
!LGA 04/096 LGA TWY J CL LGT BTN RWY 13/31 AND TWY B OUT OF SERVICE 1604240019-1610312300
!LGA 04/078 LGA TWY J IN PAVEMENT RWY GUARD LGT AT RWY 13/31 OUT OF SERVICE 1604220045-1612310500
!LGA 04/077 LGA TWY J ELEVATED GUARD LGT AT RWY 13/31 OUT OF SERVICE 1604220041-1612310500
!LGA 04/044 LGA AD AP CLSD TO FIXED WING EXC PPR DLY 0401-1000 1604150401-1611051000
!LGA 04/045 LGA AD AP ALL SFC WIP CONST DLY 0401-1000 1604150401-1611051000
!LGA 03/145 LGA TWY T IN PAVEMENT RWY GUARD LGT OUT OF SERVICE 1603241132-1612310500
!LGA 03/144 LGA TWY T ELEVATED GUARD LGT OUT OF SERVICE 1603241129-1612310500
!LGA 03/130 LGA RWY 31 LEAD OFF LGT FOR TWY S OUT OF SERVICE 1603221104-1612310500
!LGA 03/116 LGA TWY DD BTN TRANSIENT PARKING RAMP AT TWY ECHO AND TRANSIENT PARKING RAMP SPOT 9 WIP CONST ADJ EAST SHOULDER LGTD AND BARRICADED 1603201956-1611160500
!LGA 01/015 LGA TWY BB OPEN FULL LENGTH FOR AIRCRAFT DESIGN GROUP IV 1601010329-PERM

FDC NOTAMS

!FDC 6/1195 LGA IAP LAGUARDIA, NEW YORK, NY.
LOC RWY 31, AMDT 3B...
DME OR RADAR REQUIRED EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE
RNAV SYSTEM WITH GPS, CRI R-052 AND CRI R-077 UNUSABLE.
1610171312-1705291312EST

!FDC 6/7538 LGA IAP LAGUARDIA, NEW YORK, NY.
COPTER RNAV (GPS) 250, ORIG-A...
H-250 MDA 500/HAS 371.
SURFACE ELEVATION 129.
FAS OBST: 232 ANTENNA 405112N/0734258W.
MSA FROM WITKN 25 NM: 2900.
MISSED APPROACH: CLIMBING LEFT TURN TO 1240 HEADING 070, THEN CLIMB
TO 2000 DIRECT ZALAT AND HOLD.
1610121246-1705241246EST

!FDC 6/7228 LGA ODP LAGUARDIA, NEW YORK, NY.
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 10...
NOTE: RWY 13, TEMP CRANE 5308 FT FROM DER, 596 FT LEFT OF
CENTERLINE, 150 FT AGL/153 FT MSL (2016-AEA-3794-OE).
ALL OTHER DATA REMAINS AS PUBLISHED. 1609231154-1705051154EST

!FDC 6/7229 LGA SID LAGUARDIA, NEW YORK, NY.
LA GUARDIA FIVE DEPARTURE...
TAKEOFF OBSTACLES NOTES: RWY 13: TEMP CRANE 5308 FT FROM DER, 596
FT LEFT OF CENTERLINE, 150 FT AGL/153 FT MSL (2016-AEA-3794-OE).
ALL OTHER DATA REMAINS AS PUBLISHED. 1609231154-1705051154EST

Briefing : Data for KLGA : FDC NOTAMs

!FDC 6/4594 LGA IAP LAGUARDIA, NEW YORK, NY.
RNAV (RNP) Z RWY 4, AMDT 1...
PROCEDURE NA.
1609191731-1705011731EST

!FDC 6/4572 LGA IAP LAGUARDIA, NEW YORK, NY.
LDA-A, AMDT 2D...
CIRCLING CAT A/B MDA 760/HAA 736.
MISSED APPROACH: CLIMB TO 3000 VIA LGA VOR/DME R-225 TO PROUD INT
AND HOLD.
1609191722-1705011722EST

!FDC 6/5961 LGA IAP LA GUARDIA, NEW YORK, NY.
LOC RWY 31, AMDT 3B...
NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA.
DISREGARD NOTES: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 31
PROCEDURE NA AT NIGHT. HELICOPTER VISIBILITY REDUCTION BELOW 1 SM
NA.
1606061325-1701161325EST

!FDC 6/8367 LGA STAR LAGAURDIA, NEW YORK, NY. HAARP THREE ARRIVAL...
TURBOJET AIRCRAFT EXPECT TO CROSS BASYE AT 8000.

1602011825-1611102359EST

!FDC 6/8364 LGA STAR LAGUARDIA, NEW YORK, NY. HAARP THREE
ARRIVAL TURBOJET AIRCRAFT EXPECT TO CROSS BAYSE AT 8000.

1602011815-1701052359EST

Data for KACY

METARs

KACY 271754Z AUTO 16013G20KT 10SM OVC032 14/07 A3025 RMK AO2
SLP244 T01440072 10144 20078 58034

TAFs

TAF KACY 271744Z 2718/2818 16012G20KT P6SM OVC030
TEMPO 2718/2720 3SM SHRA BKN015
FM272000 17009KT 6SM -RA BR OVC025
FM280000 20009G17KT 6SM -RA BR OVC015
FM280200 22010G18KT 6SM -SHRA BR OVC025
FM280500 26009G17KT P6SM OVC050
FM281200 30014G22KT P6SM SRC

Winds/Temps Aloft (FBUS Data)

KACY

Issue Time: 2016-10-27 14:02Z
Valid Time: 2016-10-27 18:00Z
For Use Between 14Z and 21Z

Alt	FL030	FL060	FL090	FL120	FL180	FL240	FL300	FL340	FL390
Wind	180@25	240@39	240@34	250@44	260@42	250@49	250@60	250@68	250@81
Temp	N/A	5C	0C	-5C	-17C	-27C	-44C	-54C	-63C

SIGMETs

OUTLOOK VALID 271955-272355
AREA 1...FROM 40ENE EWC-JFK-40SE SBY-40SE SPA-ATL-30N VU2-60ENE
LOZ-40ENE EWC
WST ISSUANCES POSS. REFER TO MOST RECENT ACUS01 KWNS FROM STORM
PREDICTION CENTER FOR SYNOPSIS AND METEOROLOGICAL DETAILS.

Briefing : Data for KACY : WSI SIGMETs

WSI SIGMETs

No WSI SIGMETs issued.

D NOTAMs

!ACY 10/076 ACY NAV ILS RWY 13 LOC/DME OUT OF SERVICE 1610271736-1610312000EST

!ACY 10/075 ACY OBST TOWER LGT (ASR UNKNOWN) 393317.75N0742753.76W
(8.1NM NE ACY) UNKNOWN (168FT AGL) OUT OF SERVICE
1610251400-1611252359

!ACY 10/073 ACY TWY D BTN TWY P AND AIR NATIONAL GUARD RAMP CLSD EXC
MIL OPS 1610241944-1611011130

!ACY 10/072 ACY TWY D BTN RWY 04/22 AND TWY P CLSD 1610241941-1611011130

!ACY 10/055 ACY OBST TOWER LGT (ASR 1046911) 392740.00N0744106.00W
(5.0NM W ACY) 359.9FT (290.0FT AGL) OUT OF SERVICE
1610181509-1611082300

!ACY 10/047 ACY TWY A BTN RWY 13/31 AND APCH END RWY 22 CLSD 1610171030-1611072200

!ACY 10/048 ACY RWY 04/22 CLSD EXC TAX 1610171030-1611072200

!ACY 10/015 ACY RWY 04 SAFETY AREA APCH END E SIDE ADJ TWY A IRREGULAR SFC 1610062141-
1611062359

!ACY 10/004 ACY OBST TOWER LGT (ASR 1264968) 392752.70N0742956.20W (3.6NM E ACY) 282.8FT
(222.8FT AGL) OUT OF SERVICE 1610032248-1611112245

!ACY 10/002 ACY TWY A BTN TWY B AND TWY G WIP RESURFACING 1610020401-1611302359

!ACY 09/073 ACY APRON COMMERCIAL RAMP WIP MAINT ADJ TO GATE 10 LGTD AND BARRICADED 1609301330-
1612302359

!ACY 09/057 ACY TWY A BTN APCH END RWY 04 AND TWY B CLSD 1609232024-1611012359

!ACY 09/055 ACY TWY G CLSD 1609232023-1611012359

!ACY 08/110 ACY OBST POLE (ASN UNKNOWN) 392651N0743423W (0.56NM SE ACY)
158FT (100FT AGL) NOT LGTD 1608311359-1610312359

!ACY 07/023 ACY NAV RWY 4 ILS EXPERIMENTAL ONLY FOR FAA TEST ACFT ONLY 1407101817-PERM

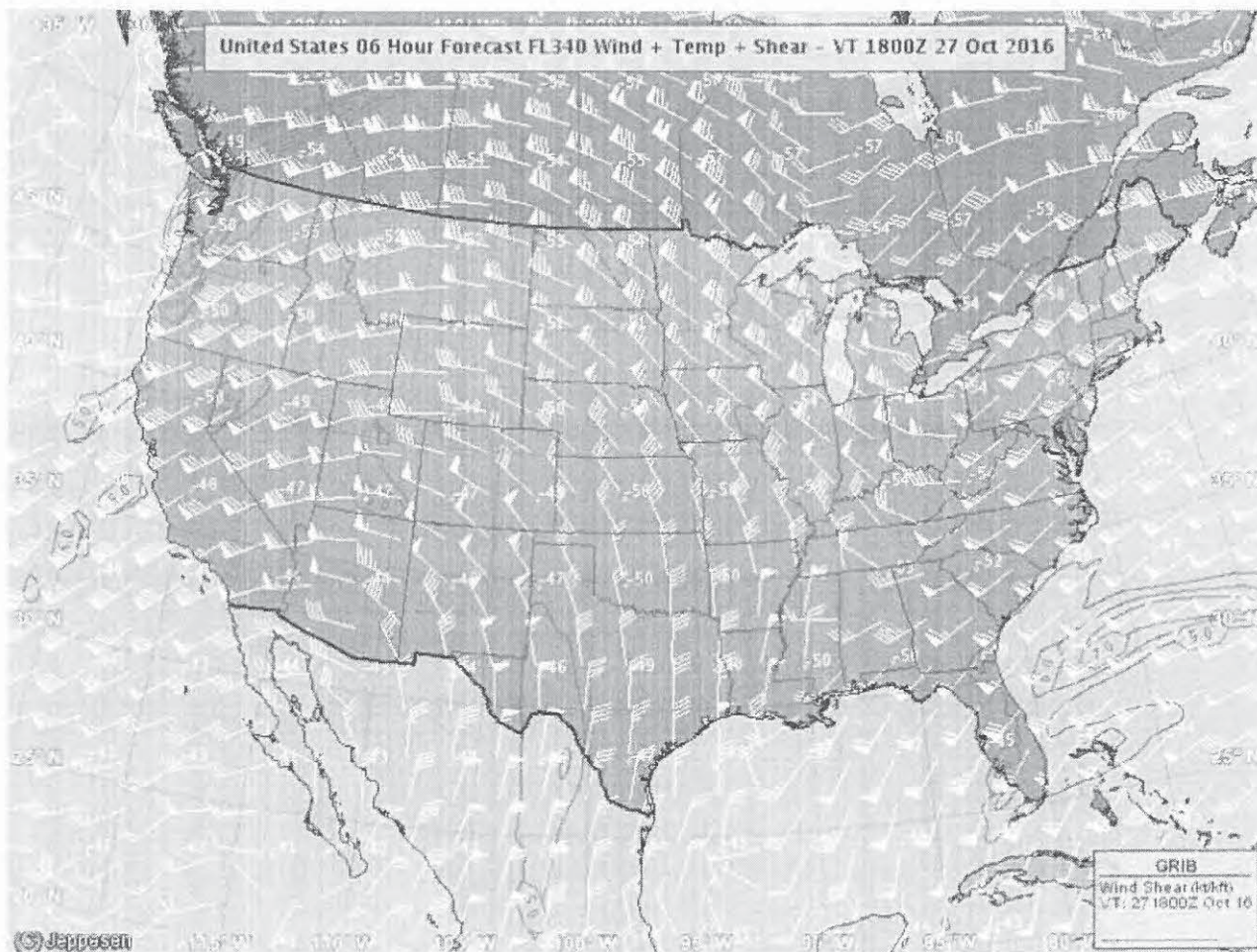
FDC NOTAMs

!FDC 6/4847 ACY IAP ATLANTIC CITY INTL,
ATLANTIC CITY, NJ.
VOR RWY 4, AMDT 15B...
RADAR OR DME REQUIRED EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE
RNAV SYSTEM WITH GPS,
VCN VORTAC OUT OF SERVICE. 1610211520-1612011520EST

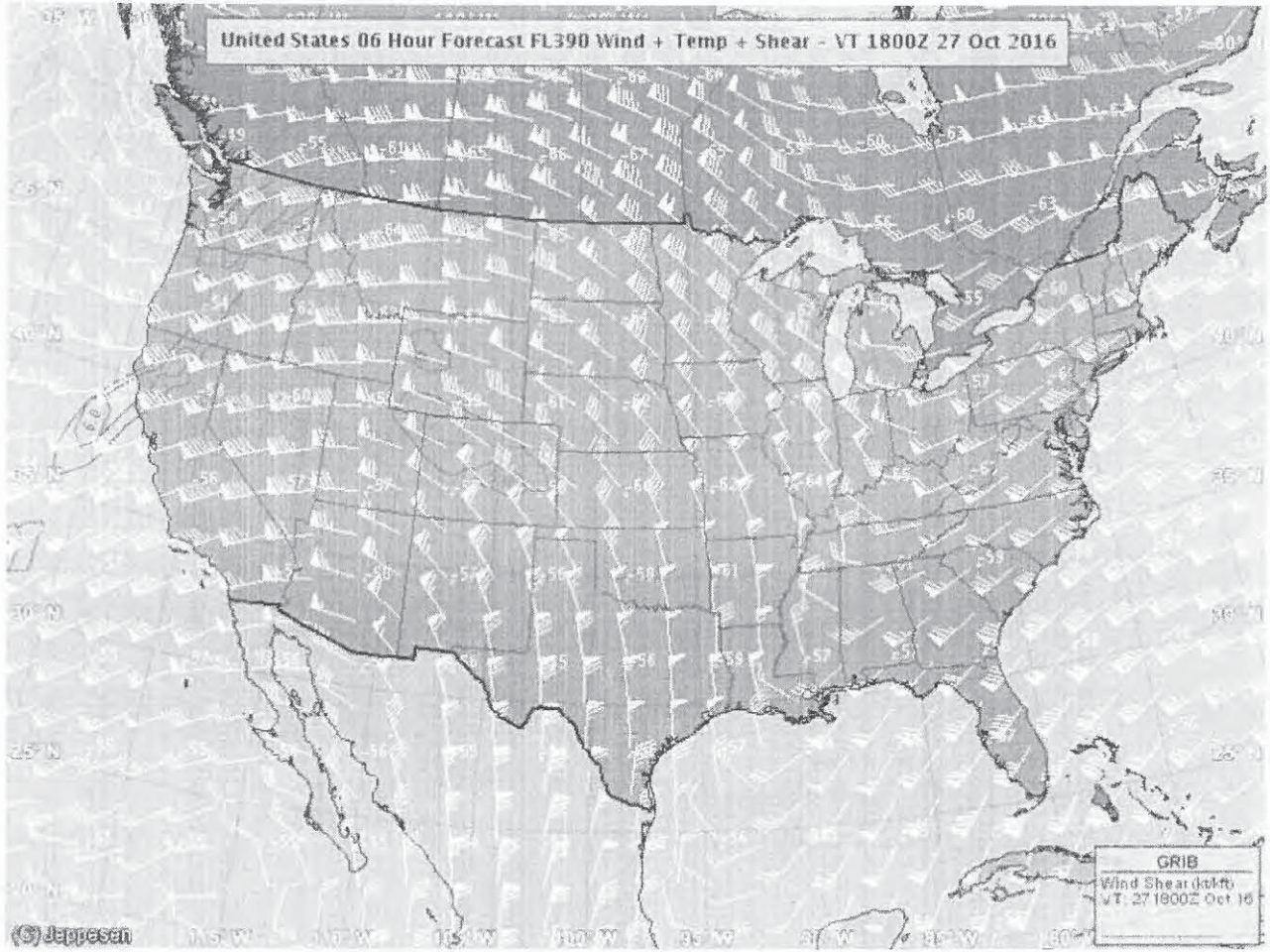
!FDC 6/8737 ACY IAP ATLANTIC CITY INTL,
ATLANTIC CITY, NJ.
VOR RWY 4, AMDT 15B...
PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SIE VORTAC AIRWAY
RADIALS 333 CW 059.
NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
1610131239-1705251239EST

!FDC 6/8396 ACY IAP ATLANTIC CITY INTL,
ATLANTIC CITY, NJ.
VOR/DME RWY 22, AMDT 6C...
PROCEDURE NA EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE RNAV SYSTEM
WITH GPS,
SIE VORTAC OUT OF SERVICE. 1605241050-1701101050EST

United States 06 Hour Forecast FL340 Wind + Temp + Shear - VT 1800Z 27 Oct 2016



United States 06 Hour Forecast FL390 Wind + Temp + Shear - VT 1800Z 27 Oct 2016



B737-700W/CFM56-7B22 TAKEOFF PERFORMANCE

Improved Climb choice Fixed improved climb value KFOD
 Improved Climb value (if applicable) 0 FT DODGE REGL
 Runway Surface Condition Wet RWY 06
 Depth of Contamination (if applicable) 0 6547 ft
 Maximum Computational Weight 69399 SLOPE: 1.16
 Derated Takeoff Thrust Full Rated Thrust Location: FT DODGE
 Flap Position 5 Elevation: 1156 ft
 Air Conditioning Auto Date: 27 Oct 2016
 Anti-Icing Off
 Anti-Skid On
 Thrust Reverser Credit All Reversers Operative
 QNH 30.25

OAT C	0 kts			5 kts			10 kts		
	MTOW (Kgs)	IMP CLIMB VALUE	V1-VR-V2 (kts)	MTOW (Kgs)	IMP CLIMB VALUE	V1-VR-V2 (kts)	MTOW (Kgs)	IMP CLIMB VALUE	V1-VR-V2 (kts)
0	64573 *	0	128-135-140	65192 *	0	129-136-141	65818 *	0	131-136-141
2	64441 *	0	128-135-140	65061 *	0	129-135-140	65685 *	0	130-136-141
5	64222 *	0	128-134-139	64853 *	0	129-135-140	65473 *	0	130-136-141
8	63968 *	0	127-134-139	64644 *	0	128-135-140	65260 *	0	130-136-141
11	63713 *	0	127-134-139	64406 *	0	128-135-140	65053 *	0	129-135-140
14	63458 *	0	126-133-139	64153 *	0	128-134-139	64840 *	0	129-135-140
17	63202 *	0	126-133-138	63900 *	0	127-134-139	64589 *	0	129-135-140
20	62944 *	0	126-133-138	63645 *	0	127-134-139	64336 *	0	128-134-140
23	62686 *	0	125-132-138	63388 *	0	127-133-138	64081 *	0	128-134-139
26	62425 *	0	125-132-137	63127 *	0	126-133-138	63824 *	0	127-134-139
29	61928 *	0	124-131-137	62626 *	0	126-132-138	63319 *	0	127-133-138
32	60643 *	0	123-130-135	61318 *	0	125-131-136	61986 *	0	126-132-137
35	59331 *	0	122-129-134	59982 *	0	124-130-135	60617 *	0	125-131-135
37	58448 *	0	122-128-133	59080 *	0	123-129-134	59642 *	0	124-130-134
40	57086 *	0	121-127-131	57632 *	0	122-128-132	58170 *	0	123-128-132
43	55696 *	0	119-125-130	56222 *	0	121-126-130	56738 *	0	122-127-131
46	54358 *	0	118-124-128	54862 *	0	119-125-128	55357 *	0	120-125-129
49	53009 *	0	117-123-126	53491 *	0	118-123-127	53966 *	0	119-124-127
52	51655 *	0	116-121-125	52116 *	0	117-122-125	52571 *	0	118-122-126
55	NA	NA	NA	NA	NA	NA	NA	NA	NA
58	NA	NA	NA	NA	NA	NA	NA	NA	NA
61	NA	NA	NA	NA	NA	NA	NA	NA	NA
64	NA	NA	NA	NA	NA	NA	NA	NA	NA
67	NA	NA	NA	NA	NA	NA	NA	NA	NA
70	NA	NA	NA	NA	NA	NA	NA	NA	NA

Minimum Flap Retraction Height 1001 FT

TAKEOFF BASED ON CLIMBING ON EXTENDED RUNWAY CENTERLINE

Legend

S The structural or maximum selected computational weight

C The second segment climb gradient limitation

* The obstacle clearance limitation

B737-700W/CFM56-7B22 TAKEOFF PERFORMANCE

Improved Climb choice Fixed improved climb value KFOD
 Improved Climb value (if applicable) 0 FT DODGE REGL
 Runway Surface Condition Wet RWY 24
 Depth of Contamination (if applicable) 0 6547 ft
 Maximum Computational Weight 69399 SLOPE: -1.16
 Derated Takeoff Thrust Full Rated Thrust Location: FT DODGE
 Flap Position 5 Elevation: 1156 ft
 Air Conditioning Auto Date: 27 Oct 2016
 Anti-Icing Off
 Anti-Skid On
 Thrust Reverser Credit All Reversers Operative
 QNH 30.25

OAT C	0 kts			5 kts			10 kts		
	MTOW (Kgs)	IMP CLIMB VALUE	V1-VR-V2 (kts)	MTOW (Kgs)	IMP CLIMB VALUE	V1-VR-V2 (kts)	MTOW (Kgs)	IMP CLIMB VALUE	V1-VR-V2 (kts)
0	68011 *	0	128-139-143	68940 *	0	130-140-144	69399 S	0	131-140-145
2	67769 *	0	128-139-143	68700 *	0	130-140-144	69399 S	0	131-140-145
5	67401 *	0	128-138-143	68327 *	0	129-139-144	69242 *	0	131-140-145
8	67038 *	0	127-138-142	67956 *	0	129-139-143	68874 *	0	130-140-144
11	66679 *	0	127-137-142	67592 *	0	128-138-143	68512 *	0	130-139-144
14	66324 *	0	126-137-142	67232 *	0	128-138-143	68147 *	0	129-139-144
17	65974 *	0	126-137-141	66876 *	0	127-138-142	67786 *	0	129-139-143
20	65626 *	0	125-136-141	66524 *	0	127-137-142	67427 *	0	128-138-143
23	65282 *	0	125-136-141	66174 *	0	126-137-142	67072 *	0	128-138-142
26	64956 *	0	124-135-140	65825 *	0	126-136-141	66718 *	0	127-137-142
29	64431 *	0	124-135-140	65261 *	0	125-136-141	66146 *	0	127-137-142
32	63223 *	0	123-134-138	64041 *	0	124-135-139	64858 *	0	126-136-140
35	61990 *	0	122-133-137	62797 *	0	124-134-138	63610 *	0	125-135-139
37	61163 *	0	122-132-136	61960 *	0	123-133-137	62760 *	0	125-134-138
40	59927 *	0	121-131-134	60709 *	0	122-132-135	61479 *	0	124-133-136
43	58718 *	0	120-129-133	59475 *	0	121-130-134	60225 *	0	123-132-135
46	57551 *	0	119-128-132	58284 *	0	121-129-133	59019 *	0	122-130-133
49	56376 *	0	118-127-130	57092 *	0	120-128-131	57813 *	0	121-129-132
52	55200 *	0	118-126-129	55901 *	0	119-127-130	56472 C	0	120-128-130
55	NA	NA	NA	NA	NA	NA	NA	NA	NA
58	NA	NA	NA	NA	NA	NA	NA	NA	NA
61	NA	NA	NA	NA	NA	NA	NA	NA	NA
64	NA	NA	NA	NA	NA	NA	NA	NA	NA
67	NA	NA	NA	NA	NA	NA	NA	NA	NA
70	NA	NA	NA	NA	NA	NA	NA	NA	NA

Minimum Flap Retraction Height 1001 FT

TAKEOFF BASED ON CLIMBING ON EXTENDED RUNWAY CENTERLINE

Legend

S The structural or maximum selected computational weight

C The second segment climb gradient limitation

* The obstacle clearance limitation

OBSERVE OPERATIONAL LIMITS

B737-700W/CFM56-7B22 LANDING PERFORMANCE

Runway Surface Condition Wet KFOD
 Approach Climb Flap 15 FT DODGE REGL
 Landing Flap 30 RWY 24
 Air Conditioning Auto 6547 ft
 Anti-Icing Off SLOPE: -1.16
 Anti-Skid On Location: FT DODGE
 Thrust Reverse credit All Reversers Operative Elevation: 1156 ft
 QNH 30.25 Date: 27 Oct 2016

OATC	0 kts			5 kts			10 kts		
	MLW	MQTW	MQTT	MLW	MQTW	MQTT	MLW	MQTW	MQTT
0	58059 S	74424	62	58059 S	75695	62	58059 S	77000	62
2	58059 S	74131	62	58059 S	75386	62	58059 S	76681	62
5	58059 S	73697	62	58059 S	74932	62	58059 S	76211	62
8	58059 S	73273	62	58059 S	74487	62	58059 S	75749	62
11	58059 S	72862	62	58059 S	74055	62	58059 S	75297	62
14	58059 S	72455	62	58059 S	73629	62	58059 S	74851	62
17	58059 S	72047	62	58059 S	73210	62	58059 S	74412	62
20	58059 S	71647	62	58059 S	72803	62	58059 S	73984	62
23	58059 S	71252	62	58059 S	72401	62	58059 S	73564	62
26	58059 S	70865	62	58059 S	72004	62	58059 S	73158	62
29	58059 S	70484	62	58059 S	71614	62	58059 S	72761	62
32	58059 S	70110	62	58059 S	71230	62	58059 S	72369	62
35	58059 S	69736	62	58059 S	70848	62	58059 S	71978	62
37	58059 S	69487	62	58059 S	70593	62	58059 S	71717	62
40	58059 S	69115	62	58059 S	70213	62	58059 S	71328	62
43	58059 S	68750	62	58059 S	69839	62	58059 S	70946	62
46	58059 S	68393	62	58059 S	69474	62	58059 S	70573	62
49	57111 A	68044	62	57111 A	69116	62	57111 A	70207	62
52	55417 A	67702	62	55417 A	68766	62	55417 A	69848	62
55	NA	NA	NA	NA	NA	NA	NA	NA	NA
58	NA	NA	NA	NA	NA	NA	NA	NA	NA
61	NA	NA	NA	NA	NA	NA	NA	NA	NA
64	NA	NA	NA	NA	NA	NA	NA	NA	NA
67	NA	NA	NA	NA	NA	NA	NA	NA	NA
70	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend

S The selected maximum computational weight

A The approach climb limited weight

OBSERVE OPERATIONAL LIMITS

B737-700W/CFM56-7B22 LANDING PERFORMANCE

Runway Surface Condition Wet
 Approach Climb Flap 15
 Landing Flap 30
 Air Conditioning Auto
 Anti-Icing Off
 Anti-Skid On
 Thrust Reverse credit All Reversers Operative
 QNH 30.41

KLAGA
 LAGUARDIA
 RWY 04
 7001 ft
 SLOPE: -0.13
 Location: NEW YORK
 Elevation: 21 ft
 Date: 27 Oct 2016

QATC	0 kts			5 kts			10 kts		
	MLW	MQW	MQT	MLW	MQW	MQT	MLW	MQW	MQT
0	58059 S	77562	62	58059 S	78810	62	58059 S	80084	62
2	58059 S	77243	62	58059 S	78508	62	58059 S	79772	62
5	58059 S	76772	62	58059 S	78063	62	58059 S	79313	62
8	58059 S	76309	62	58059 S	77627	62	58059 S	78864	62
11	58059 S	75854	62	58059 S	77164	62	58059 S	78422	62
14	58059 S	75407	62	58059 S	76703	62	58059 S	77988	62
17	58059 S	74966	62	58059 S	76249	62	58059 S	77560	62
20	58059 S	74531	62	58059 S	75801	62	58059 S	77098	62
23	58059 S	74111	62	58059 S	75359	62	58059 S	76644	62
26	58059 S	73698	62	58059 S	74925	62	58059 S	76198	62
29	58059 S	73296	62	58059 S	74502	62	58059 S	75761	62
32	58059 S	72905	62	58059 S	74092	62	58059 S	75330	62
35	58059 S	72517	62	58059 S	73686	62	58059 S	74903	62
37	58059 S	72254	62	58059 S	73415	62	58059 S	74619	62
40	58059 S	71865	62	58059 S	73022	62	58059 S	74206	62
43	58059 S	71479	62	58059 S	72633	62	58059 S	73799	62
46	58059 S	71104	62	58059 S	72250	62	58059 S	73402	62
49	58059 S	70737	62	58059 S	71874	62	58059 S	73023	62
52	57569 A	70378	62	57569 A	71506	62	57569 A	72652	62
55	NA	NA	NA	NA	NA	NA	NA	NA	NA
58	NA	NA	NA	NA	NA	NA	NA	NA	NA
61	NA	NA	NA	NA	NA	NA	NA	NA	NA
64	NA	NA	NA	NA	NA	NA	NA	NA	NA
67	NA	NA	NA	NA	NA	NA	NA	NA	NA
70	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend

S The selected maximum computational weight

A The approach climb limited weight

B737-700W/CFM56-7B22 LANDING PERFORMANCE

Runway Surface Condition Wet KLGA
 Approach Climb Flap 15 LAGUARDIA
 Landing Flap 30 RWY 13
 Air Conditioning Auto 7003 ft
 Anti-Icing Off SLOPE: -0.07
 Anti-Skid On Location: NEW YORK
 Thrust Reverse credit All Reversers Operative Elevation: 21 ft
 QNH 30.41 Date: 27 Oct 2016

OATC	0 kts			5 kts			10 kts		
	MLW	MQTW	MQTT	MLW	MQTW	MQTT	MLW	MQTW	MQTT
0	58059 S	77620	62	58059 S	78868	62	58059 S	80143	62
2	58059 S	77306	62	58059 S	78566	62	58059 S	79831	62
5	58059 S	76834	62	58059 S	78121	62	58059 S	79372	62
8	58059 S	76371	62	58059 S	77684	62	58059 S	78922	62
11	58059 S	75915	62	58059 S	77226	62	58059 S	78479	62
14	58059 S	75467	62	58059 S	76765	62	58059 S	78045	62
17	58059 S	75025	62	58059 S	76310	62	58059 S	77617	62
20	58059 S	74588	62	58059 S	75861	62	58059 S	77159	62
23	58059 S	74168	62	58059 S	75419	62	58059 S	76705	62
26	58059 S	73754	62	58059 S	74984	62	58059 S	76258	62
29	58059 S	73350	62	58059 S	74559	62	58059 S	75820	62
32	58059 S	72959	62	58059 S	74148	62	58059 S	75388	62
35	58059 S	72571	62	58059 S	73741	62	58059 S	74961	62
37	58059 S	72309	62	58059 S	73470	62	58059 S	74676	62
40	58059 S	71919	62	58059 S	73076	62	58059 S	74262	62
43	58059 S	71533	62	58059 S	72687	62	58059 S	73854	62
46	58059 S	71157	62	58059 S	72304	62	58059 S	73456	62
49	58059 S	70789	62	58059 S	71927	62	58059 S	73076	62
52	57569 A	70430	62	57569 A	71559	62	57569 A	72705	62
55	NA	NA	NA	NA	NA	NA	NA	NA	NA
58	NA	NA	NA	NA	NA	NA	NA	NA	NA
61	NA	NA	NA	NA	NA	NA	NA	NA	NA
64	NA	NA	NA	NA	NA	NA	NA	NA	NA
67	NA	NA	NA	NA	NA	NA	NA	NA	NA
70	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend

S The selected maximum computational weight

A The approach climb limited weight

B737-700W/CFM56-7B22 LANDING PERFORMANCE

Runway Surface Condition Wet
 Approach Climb Flap 15
 Landing Flap 30
 Air Conditioning Auto
 Anti-Icing Off
 Anti-Skid On
 Thrust Reverse credit All Reversers Operative
 QNH 30.41

KLGA
 LAGUARDIA
 RWY 22
 7001 ft
 SLOPE: 0.13
 Location: NEW YORK
 Elevation: 21 ft
 Date: 27 Oct 2016

OATC	0 kts			5 kts			10 kts		
	MLW	MQTW	MQTT	MLW	MQTW	MQTT	MLW	MQTW	MQTT
0	58059 S	77823	62	58059 S	79073	62	58059 S	80351	62
2	58059 S	77525	62	58059 S	78771	62	58059 S	80038	62
5	58059 S	77051	62	58059 S	78324	62	58059 S	79577	62
8	58059 S	76585	62	58059 S	77885	62	58059 S	79126	62
11	58059 S	76127	62	58059 S	77443	62	58059 S	78682	62
14	58059 S	75677	62	58059 S	76980	62	58059 S	78246	62
17	58059 S	75232	62	58059 S	76523	62	58059 S	77816	62
20	58059 S	74792	62	58059 S	76071	62	58059 S	77375	62
23	58059 S	74366	62	58059 S	75626	62	58059 S	76918	62
26	58059 S	73951	62	58059 S	75189	62	58059 S	76469	62
29	58059 S	73544	62	58059 S	74760	62	58059 S	76028	62
32	58059 S	73149	62	58059 S	74345	62	58059 S	75594	62
35	58059 S	72760	62	58059 S	73937	62	58059 S	75165	62
37	58059 S	72499	62	58059 S	73664	62	58059 S	74878	62
40	58059 S	72108	62	58059 S	73265	62	58059 S	74458	62
43	58059 S	71721	62	58059 S	72874	62	58059 S	74049	62
46	58059 S	71343	62	58059 S	72492	62	58059 S	73650	62
49	58059 S	70974	62	58059 S	72115	62	58059 S	73264	62
52	57569 A	70614	62	57569 A	71745	62	57569 A	72891	62
55	NA	NA	NA	NA	NA	NA	NA	NA	NA
58	NA	NA	NA	NA	NA	NA	NA	NA	NA
61	NA	NA	NA	NA	NA	NA	NA	NA	NA
64	NA	NA	NA	NA	NA	NA	NA	NA	NA
67	NA	NA	NA	NA	NA	NA	NA	NA	NA
70	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend

S The selected maximum computational weight

A The approach climb limited weight

B737-700W/CFM56-7B22 LANDING PERFORMANCE

Runway Surface Condition Wet
 Approach Climb Flap 15
 Landing Flap 30
 Air Conditioning Auto
 Anti-Icing Off
 Anti-Skid On
 Thrust Reverse credit All Reversers Operative
 QNH 30.41

KLGA
 LAGUARDIA
 RWY 31
 7003 ft
 SLOPE: 0.07
 Location: NEW YORK
 Elevation: 21 ft
 Date: 27 Oct 2016

OATC	0 kts			5 kts			10 kts		
	MLW	MQTW	MQTT	MLW	MQTW	MQTT	MLW	MQTW	MQTT
0	58059 S	77765	62	58059 S	79014	62	58059 S	80291	62
2	58059 S	77462	62	58059 S	78712	62	58059 S	79979	62
5	58059 S	76989	62	58059 S	78266	62	58059 S	79519	62
8	58059 S	76524	62	58059 S	77827	62	58059 S	79067	62
11	58059 S	76066	62	58059 S	77381	62	58059 S	78624	62
14	58059 S	75617	62	58059 S	76918	62	58059 S	78188	62
17	58059 S	75173	62	58059 S	76462	62	58059 S	77759	62
20	58059 S	74734	62	58059 S	76011	62	58059 S	77313	62
23	58059 S	74310	62	58059 S	75567	62	58059 S	76857	62
26	58059 S	73895	62	58059 S	75131	62	58059 S	76408	62
29	58059 S	73488	62	58059 S	74702	62	58059 S	75969	62
32	58059 S	73095	62	58059 S	74289	62	58059 S	75535	62
35	58059 S	72706	62	58059 S	73881	62	58059 S	75107	62
37	58059 S	72445	62	58059 S	73609	62	58059 S	74820	62
40	58059 S	72054	62	58059 S	73211	62	58059 S	74402	62
43	58059 S	71667	62	58059 S	72821	62	58059 S	73993	62
46	58059 S	71290	62	58059 S	72438	62	58059 S	73594	62
49	58059 S	70921	62	58059 S	72061	62	58059 S	73210	62
52	57569 A	70561	62	57569 A	71692	62	57569 A	72838	62
55	NA	NA	NA	NA	NA	NA	NA	NA	NA
58	NA	NA	NA	NA	NA	NA	NA	NA	NA
61	NA	NA	NA	NA	NA	NA	NA	NA	NA
64	NA	NA	NA	NA	NA	NA	NA	NA	NA
67	NA	NA	NA	NA	NA	NA	NA	NA	NA
70	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend

S The selected maximum computational weight

A The approach climb limited weight

OBSERVE OPERATIONAL LIMITS

B737-700W/CFM56-7B22 LANDING PERFORMANCE

Runway Surface Condition Wet
 Approach Climb Flap 15
 Landing Flap 30
 Air Conditioning Auto
 Anti-Icing Off
 Anti-Skid On
 Thrust Reverse credit All Reversers Operative
 QNH 30.35

KACY
 ATLANTIC CITY INTL
 RWY 04
 6144 ft
 SLOPE: 0.1
 Location: ATLANTIC CITY
 Elevation: 75 ft
 Date: 27 Oct 2016

QATC	0 kts			5 kts			10 kts		
	MLW	MQTTW	MQTT	MLW	MQTTW	MQTT	MLW	MQTTW	MQTT
0	58059 S	77631	62	58059 S	78876	62	58059 S	80148	62
2	58059 S	77317	62	58059 S	78575	62	58059 S	79836	62
5	58059 S	76845	62	58059 S	78130	62	58059 S	79377	62
8	58059 S	76381	62	58059 S	77693	62	58059 S	78928	62
11	58059 S	75925	62	58059 S	77235	62	58059 S	78486	62
14	58059 S	75476	62	58059 S	76773	62	58059 S	78052	62
17	58059 S	75033	62	58059 S	76318	62	58059 S	77623	62
20	58059 S	74596	62	58059 S	75867	62	58059 S	77185	62
23	58059 S	74175	62	58059 S	75424	62	58059 S	76710	62
26	58059 S	73761	62	58059 S	74989	62	58059 S	76263	62
29	58059 S	73356	62	58059 S	74563	62	58059 S	75824	62
32	58059 S	72965	62	58059 S	74152	62	58059 S	75391	62
35	58059 S	72577	62	58059 S	73745	62	58059 S	74963	62
37	58059 S	72314	62	58059 S	73474	62	58059 S	74678	62
40	58059 S	71924	62	58059 S	73079	62	58059 S	74264	62
43	58059 S	71538	62	58059 S	72690	62	58059 S	73855	62
46	58059 S	71163	62	58059 S	72307	62	58059 S	73458	62
49	58059 S	70795	62	58059 S	71930	62	58059 S	73077	62
52	57422 A	70436	62	57422 A	71562	62	57422 A	72706	62
55	NA	NA	NA	NA	NA	NA	NA	NA	NA
58	NA	NA	NA	NA	NA	NA	NA	NA	NA
61	NA	NA	NA	NA	NA	NA	NA	NA	NA
64	NA	NA	NA	NA	NA	NA	NA	NA	NA
67	NA	NA	NA	NA	NA	NA	NA	NA	NA
70	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend

S The selected maximum computational weight

A The approach climb limited weight

B737-700W/CFM56-7B22 LANDING PERFORMANCE

Runway Surface Condition Wet KACY
 Approach Climb Flap 15 ATLANTIC CITY INTL
 Landing Flap 30 RWY 13
 Air Conditioning Auto 10000 ft
 Anti-Icing Off SLOPE: -0.12
 Anti-Skid On Location: ATLANTIC CITY
 Thrust Reverse credit All Reversers Operative Elevation: 75 ft
 QNH 30.35 Date: 27 Oct 2016

OATC	0 kts			5 kts			10 kts		
	MLW	MQTW	MQTT	MLW	MQTW	MQTT	MLW	MQTW	MQTT
0	58059 S	77398	62	58059 S	78654	62	58059 S	79923	62
2	58059 S	77079	62	58059 S	78353	62	58059 S	79612	62
5	58059 S	76610	62	58059 S	77910	62	58059 S	79155	62
8	58059 S	76149	62	58059 S	77467	62	58059 S	78707	62
11	58059 S	75695	62	58059 S	76999	62	58059 S	78266	62
14	58059 S	75249	62	58059 S	76540	62	58059 S	77834	62
17	58059 S	74808	62	58059 S	76087	62	58059 S	77393	62
20	58059 S	74378	62	58059 S	75639	62	58059 S	76932	62
23	58059 S	73959	62	58059 S	75199	62	58059 S	76479	62
26	58059 S	73547	62	58059 S	74766	62	58059 S	76034	62
29	58059 S	73149	62	58059 S	74348	62	58059 S	75598	62
32	58059 S	72759	62	58059 S	73939	62	58059 S	75166	62
35	58059 S	72370	62	58059 S	73533	62	58059 S	74742	62
37	58059 S	72108	62	58059 S	73267	62	58059 S	74463	62
40	58059 S	71720	62	58059 S	72875	62	58059 S	74051	62
43	58059 S	71335	62	58059 S	72485	62	58059 S	73644	62
46	58059 S	70961	62	58059 S	72102	62	58059 S	73253	62
49	58059 S	70594	62	58059 S	71727	62	58059 S	72874	62
52	57422 A	70236	62	57422 A	71360	62	57422 A	72503	62
55	NA	NA	NA	NA	NA	NA	NA	NA	NA
58	NA	NA	NA	NA	NA	NA	NA	NA	NA
61	NA	NA	NA	NA	NA	NA	NA	NA	NA
64	NA	NA	NA	NA	NA	NA	NA	NA	NA
67	NA	NA	NA	NA	NA	NA	NA	NA	NA
70	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend

S The selected maximum computational weight

A The approach climb limited weight

B737-700W/CFM56-7B22 LANDING PERFORMANCE

Runway Surface Condition Wet KACY
 Approach Climb Flap 15 ATLANTIC CITY INTL
 Landing Flap 30 RWY 22
 Air Conditioning Auto 6144 ft
 Anti-Icing Off SLOPE: -0.1
 Anti-Skid On Location: ATLANTIC CITY
 Thrust Reverse credit All Reversers Operative Elevation: 75 ft
 QNH 30.35 Date: 27 Oct 2016

OATC	0 kts			5 kts			10 kts		
	MLW	MQTW	MQTT	MLW	MQTW	MQTT	MLW	MQTW	MQTT
0	58059 S	77422	62	58059 S	78677	62	58059 S	79946	62
2	58059 S	77104	62	58059 S	78376	62	58059 S	79635	62
5	58059 S	76634	62	58059 S	77933	62	58059 S	79178	62
8	58059 S	76173	62	58059 S	77491	62	58059 S	78730	62
11	58059 S	75718	62	58059 S	77023	62	58059 S	78289	62
14	58059 S	75272	62	58059 S	76564	62	58059 S	77856	62
17	58059 S	74831	62	58059 S	76111	62	58059 S	77417	62
20	58059 S	74401	62	58059 S	75663	62	58059 S	76956	62
23	58059 S	73981	62	58059 S	75222	62	58059 S	76503	62
26	58059 S	73569	62	58059 S	74789	62	58059 S	76058	62
29	58059 S	73171	62	58059 S	74370	62	58059 S	75621	62
32	58059 S	72780	62	58059 S	73961	62	58059 S	75191	62
35	58059 S	72391	62	58059 S	73555	62	58059 S	74765	62
37	58059 S	72129	62	58059 S	73288	62	58059 S	74485	62
40	58059 S	71741	62	58059 S	72896	62	58059 S	74073	62
43	58059 S	71356	62	58059 S	72506	62	58059 S	73666	62
46	58059 S	70981	62	58059 S	72123	62	58059 S	73274	62
49	58059 S	70615	62	58059 S	71748	62	58059 S	72895	62
52	57422 A	70257	62	57422 A	71381	62	57422 A	72524	62
55	NA	NA	NA	NA	NA	NA	NA	NA	NA
58	NA	NA	NA	NA	NA	NA	NA	NA	NA
61	NA	NA	NA	NA	NA	NA	NA	NA	NA
64	NA	NA	NA	NA	NA	NA	NA	NA	NA
67	NA	NA	NA	NA	NA	NA	NA	NA	NA
70	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend

S The selected maximum computational weight

A The approach climb limited weight

B737-700W/CFM56-7B22 LANDING PERFORMANCE

Runway Surface Condition Wet KACY
 Approach Climb Flap 15 ATLANTIC CITY INTL
 Landing Flap 30 RWY 31
 Air Conditioning Auto 10000 ft
 Anti-Icing Off SLOPE: 0.12
 Anti-Skid On Location: ATLANTIC CITY
 Thrust Reverse credit All Reversers Operative Elevation: 75 ft
 QNH 30.35 Date: 27 Oct 2016

OATC	0 kts			5 kts			10 kts		
	MLW	MQTW	MQTT	MLW	MQTW	MQTT	MLW	MQTW	MQTT
0	58059 S	77654	62	58059 S	78899	62	58059 S	80171	62
2	58059 S	77342	62	58059 S	78598	62	58059 S	79860	62
5	58059 S	76869	62	58059 S	78152	62	58059 S	79401	62
8	58059 S	76405	62	58059 S	77715	62	58059 S	78951	62
11	58059 S	75949	62	58059 S	77259	62	58059 S	78508	62
14	58059 S	75500	62	58059 S	76797	62	58059 S	78074	62
17	58059 S	75056	62	58059 S	76341	62	58059 S	77645	62
20	58059 S	74618	62	58059 S	75891	62	58059 S	77189	62
23	58059 S	74197	62	58059 S	75447	62	58059 S	76734	62
26	58059 S	73782	62	58059 S	75011	62	58059 S	76286	62
29	58059 S	73378	62	58059 S	74585	62	58059 S	75847	62
32	58059 S	72986	62	58059 S	74174	62	58059 S	75414	62
35	58059 S	72598	62	58059 S	73767	62	58059 S	74986	62
37	58059 S	72336	62	58059 S	73495	62	58059 S	74700	62
40	58059 S	71945	62	58059 S	73100	62	58059 S	74285	62
43	58059 S	71559	62	58059 S	72711	62	58059 S	73877	62
46	58059 S	71183	62	58059 S	72328	62	58059 S	73479	62
49	58059 S	70815	62	58059 S	71951	62	58059 S	73098	62
52	57422 A	70456	62	57422 A	71583	62	57422 A	72727	62
55	NA	NA	NA	NA	NA	NA	NA	NA	NA
58	NA	NA	NA	NA	NA	NA	NA	NA	NA
61	NA	NA	NA	NA	NA	NA	NA	NA	NA
64	NA	NA	NA	NA	NA	NA	NA	NA	NA
67	NA	NA	NA	NA	NA	NA	NA	NA	NA
70	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend

S The selected maximum computational weight

A The approach climb limited weight

OBSERVE OPERATIONAL LIMITS

RAIM Prediction Report

For N278EA on the route of Flight Plan JPDC_219224

No GPS Outages predicted for the submitted Flight Plan.

Route (from KFOD to KLGA)

There are no Baro Aided Outages

Airports: KFOD	KLGA	KACY
RNP: 1.0	1.0	1.0
Mask Angle: 0	0	0

There are no Baro Aided Outages

Scenario Information	
Scenario Start	27-Oct-2016 20:00:00 UTC
Scenario End	27-Oct-2016 23:03:00 UTC
GPS Algorithm	FD BARO
Receiver Mask Angle	2
Departure RNP	1.0
Enroute RNP	2
Arrival RNP	1.0
Scenario Almanac	Week: 896 TOA: 589824
Minimum Duration Outage	5 Minutes (PT5M)
Sample Period	1 Minute (PT1M)
Request Time	27-Oct-2016 18:47:19 UTC