

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety Washington, D.C. 20594

May 8, 2014

Attachment 3 – Dispatch Release

OPERATIONAL FACTORS

DCA14IA037

Domestic Dispatch Release

FLIGHT 4013	NES IFF	R DISPATCH R	ELEASE	-4				PLAN# 9126 2/14 2153Z
DEPART 21452 KMDW/MDW: 1545L 1545C	. KBBG	СVE 2320z Б/ВКG: 1720L 1720C	DOT	/ETE: 01+1 OT: 2334 POSED DEP4	4z/1734ı	_ TAX	I IN:	: 00+15 00+04
REMARKS: CODESHARE - FL ADDITIONAL FUEL			RRIVAL	DEMAND				
	NOSE: N272	TYPE: B737-700W	CAP: 143	ATOG: 134.4	LM: L	TP: 21	FP: 30	RWY: 14
DEPART: KMDW/ T/O ALTN:	MDW (620`) ARRI ALTN		ЗG/ВКG (1		DIST: ALTN 2		M
FMS RTE MDWBKG0 KMDWACITOAD		MIEARLYN.	.STLM	IAPDGD	KBBG			
KMDW: N4147.2 N FOC: 380 WIND			EV: M61	./-04 FL	. CHANGE	: 380		
* <mel> 0 * <mel> 0 * <mel> 0</mel></mel></mel>	ERED IN 01/21/20 -1 CONT/ -1 DECR -1 INCR -1 INCR	OPERATIVE	FUEL T IER/OBT JRN BY GW BY DES NOT	ANK BOOST AIN COPY 5000 LBS 5000 LBS INCLUDE	PUMP OF RBF MEL/CDL	13-65 FUEL	RETRA	
		TIME	PLAN	WEIGHT	STRUC	LIMIT		
NROUTE BURN	FUEL 0064 0013	01+18	OEW PYLD	085762 027400				
NROUTE BURN				085762 027400 113200	MZFW	120500) .	:
NROUTE BURN ONT/HOLD ISP ADD LTERNATE	0064 0013 0011 0000	01+18 00+17 00+15 00+00	PYLD ZFW FOB	027400 113200 017700	MFW	046200)	:
NROUTE BURN ONT/HOLD ISP ADD LTERNATE AR RESERVE	0064 0013 0011 0000 0033	01+18 00+17 00+15	PYLD ZFW FOB TOW	027400 113200 017700 130900		046200)	4
NROUTE BURN ONT/HOLD ISP ADD LTERNATE AR RESERVE EL/CDL	0064 0013 0011 0000	01+18 00+17 00+15 00+00	PYLD ZFW FOB TOW	027400 113200 017700	MFW	046200)	:
NROUTE BURN	0064 0013 0011 0000 0033 0052 0000	01+18 00+17 00+15 00+00	PYLD ZFW FOB TOW BURN LGW	027400 113200 017700 130900 011600	MFW MTOW	046200 154500)	
NROUTE BURN ONT/HOLD ISP ADD LTERNATE AR RESERVE EL/CDL ALLAST	0064 0013 0011 0000 0033 0052 0000 0173 0004 0004 0004 0181	01+18 00+17 00+15 00+00 00+45	PYLD ZFW FOB TOW BURN LGW	027400 113200 017700 130900 011600 119300	MFW MTOW	046200 154500)	:
NROUTE BURN ONT/HOLD ISP ADD LTERNATE AR RESERVE EL/CDL ALLAST INIMUM TAKEOFF XTRA LAN TAXI OUT INIMUM PLANNED	0064 0013 0011 0000 0033 0052 0000 0173 0004 0004 0004 0181	01+18 00+17 00+15 00+00 00+45 02+35	PYLD ZFW FOB TOW BURN LGW	027400 113200 017700 130900 011600 119300	MFW MTOW	046200 154500)	:
NROUTE BURN ONT/HOLD ISP ADD LTERNATE AR RESERVE EL/CDL ALLAST INIMUM TAKEOFF 	0064 0013 0011 0000 0033 0052 0000 0173 	01+18 00+17 00+15 00+00 00+45 02+35	PYLD ZFW FOB TOW BURN LGW MQTW	027400 113200 017700 130900 011600 119300	MFW MTOW MLGW	046200 154500 128000)	MIN

Printed on 01/12/2014 at 4:06 PM

Page 1 of 4

e and			ic Dispa							
/	•• •••••	-	3 from							
FUEL ≉BURŃ ADJUSTM	ENT FOR 10	UULBS II	NCREASE .	IN TOW:	0036	LBS				
TAKEOFF: WIND TEMP ONH	DWV	PLDC	ENC AT		-		107 LTT		1.147	
	RWY 8 DRY	ON	ENG AI OFF				WY WT 2L 143		LMT OBSO6	
LANDING:										
WIND TEMP QNH	RWY	BLDS	ENG/WNC	GAI I	CE F	PR	WY WT		LMT	
CALM 21 29.6	3 DRY	ON	OFF/OFF	= N	O 3	0 1	4 134		STRUC	
ENROUTE:		APU	ENG A/I	[
ENROUTE (METHOD 1)) .	NORM								
SEGMENT NO LIMITING TERRA	EN			TERRAII	N O	VRWGT		.5	ALT NONE	
DSP: DICK LANGER			DESK:	<u>17 عبر</u> 17	; 214	- 1	//8	00-		
					$\sum c$		Δ			-
CAP: HORNE RONALD	OLLIE		SIGNA			2				en
	-						0			-
	FIT	NESS FO	R DUTY S		NT					
		V CTATE		CHE TC	CTT D		ITV TN	ACCOI	DANCE	
EACH CREWMEMBER AF WITH 14 CFR PART 1		T STATE	S HE OR	SHE 15		-		ACCO	NUANCE	
WITH 14 CFR PART 1	.17.	T STATE	S HE UK	SHE IS		-		4000	RDANCE	
	.17.	T STATE		TURE:		-		4000		
WITH 14 CFR PART 1 CAP: HORNE RONALD	.17. OLLIE		SIGNA	TURE:		-		4000		
WITH 14 CFR PART 1 CAP: HORNE RONALD	.17. OLLIE			TURE:		-				
WITH 14 CFR PART 1 CAP: HORNE RONALD F/O: LANGFORD KENN	17. OLLIE ETH HARLEY		SIGNA	TURE:						
WITH 14 CFR PART 1	17. OLLIE ETH HARLEY		SIGNA	TURE:						
WITH 14 CFR PART 1 CAP: HORNE RONALD =/O: LANGFORD KENN XXXXXXXXXXXXXXXXXXXXXXX	17. OLLIE ETH HARLEY	XX END	SIGNA SIGNA OF RELEA	TURE:						
WITH 14 CFR PART 1 CAP: HORNE RONALD F/O: LANGFORD KENN	17. OLLIE ETH HARLEY	XX END	SIGNA SIGNA OF RELEA	TURE:				PLAN		
WITH 14 CFR PART 1 CAP: HORNE RONALD F/O: LANGFORD KENN XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	17. OLLIE ETH HARLEY	XX END	SIGNA SIGNA OF RELEA	TURE:				PLAN	××××××××××××××××××××××××××××××××××××××	
WITH 14 CFR PART 1 CAP: HORNE RONALD F/O: LANGFORD KENN XXXXXXXXXXXXXXXXXXXX SOUTHWEST AIRLINES FLIGHT 4013	17. OLLIE ETH HARLEY XXXXXXXXXX OPERATION IAS MCH	AL FLIG	SIGNA SIGNA OF RELEA IT PLAN	TURE:	EGD	FRMN	JEPP 01/2 TTREM	PLAN 12/14	(XXXXXX) (# 9126 (+ 2153z) (- / ATA	
WITH 14 CFR PART 1 CAP: HORNE RONALD F/O: LANGFORD KENN XXXXXXXXXXXXXXXXXXXXX SOUTHWEST AIRLINES FLIGHT 4013	17. OLLIE ETH HARLEY XXXXXXXXXX OPERATION	AL FLIG	SIGNA SIGNA OF RELEA IT PLAN	TURE:	EGD	FRMN SEGF	JEPP 01/2	PLAN 12/14	(XXXXXX) (# 9126 (+ 2153z) (- / ATA	
WITH 14 CFR PART 1 CAP: HORNE RONALD F/O: LANGFORD KENN XXXXXXXXXXXXXXXXXXXXXXXX SOUTHWEST AIRLINES FLIGHT 4013 WYPT FREQ AWY LAT LONG	17. OLLIE ETH HARLEY XXXXXXXXXX OPERATION IAS MCH	AL FLIG	SIGNA SIGNA OF RELEA IT PLAN	TURE:	EGD	FRMN	JEPP 01/2 TTREM	PLAN 12/14	(XXXXXX) (# 9126 (+ 2153z) (- / ATA	
WITH 14 CFR PART 1 CAP: HORNE RONALD F/O: LANGFORD KENN XXXXXXXXXXXXXXXXXXXXX 50UTHWEST AIRLINES FLIGHT 4013 VYPT FREQ AWY LAT LONG WAVAID NAME	17. OLLIE ETH HARLEY XXXXXXXXXX OPERATION IAS MCH	AL FLIG	SIGNA SIGNA DF RELEA HT PLAN FRP MSA VNDALFT	TURE:	EGD	FRMN SEGF AFOB	JEPP 01/2 TTREM	PLAN 12/14 ETA SEG	4# 9126 2153z	
WITH 14 CFR PART 1 CAP: HORNE RONALD F/O: LANGFORD KENN XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	17. OLLIE ETH HARLEY XXXXXXXXXX OPERATION IAS MCH	AL FLIGI AL FLIGI ALT TMP V ATP 4 CLB -	SIGNA SIGNA OF RELEA IT PLAN	TURE: TURE: SE XXXX MC S TC D MH	EGD TGO	FRMN SEGF	JEPP 01/2 TTREM TTIME	PLAN 12/14 ETA SEG	жххххх # 9126 2153z 4 / ата т	
WITH 14 CFR PART 1 CAP: HORNE RONALD F/O: LANGFORD KENN XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	17. OLLIE ETH HARLEY XXXXXXXXXX OPERATION IAS MCH	AL FLIGI AL FLIGI ALT T TMP V ATP 4 CLB -	SIGNA SIGNA DF RELEA HT PLAN FRP MSA VNDALFT	TURE: TURE: SE XXXX MC S TC D MH	EGD TGO 000 426	FRMN SEGF AFOB)	PLAN 12/14 ETA SEG	жххххх # 9126 2153z 4 / ата т	
WITH 14 CFR PART 1 CAP: HORNE RONALD F/O: LANGFORD KENN XXXXXXXXXXXXXXXXXXXXXXXX SOUTHWEST AIRLINES FLIGHT 4013 WYPT FREQ AWY LAT LONG	17. OLLIE ETH HARLEY XXXXXXXXXX OPERATION IAS MCH	AL FLIGI AL FLIGI ALT T TMP V ATP 4 CLB -	SIGNA SIGNA DF RELEA HT PLAN FRP MSA VNDALFT WND	TURE: TURE: SE XXXX MC S TC D MH 0 0	EGD TGO 000 426	FRMN SEGF AFOB 12.5 00.4)	PLAN 12/14 ETA SEG	жххххх # 9126 2153z 4 / ата т	
WITH 14 CFR PART 1 CAP: HORNE RONALD F/O: LANGFORD KENN XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	17. OLLIE ETH HARLEY XXXXXXXXX OPERATION IAS MCH TAS G/S	AL FLIGI	SIGNA SIGNA DF RELEA IT PLAN IT PLAN IT PLAN	TURE:	EGD TGO 0000 426	FRMN SEGF AFOB 12.5 00.4)	PLAN 12/14 ETA SEG	(XXXXXXX # 9126 21532 / ATA T ./ 00	
WITH 14 CFR PART 1 CAP: HORNE RONALD F/O: LANGFORD KENN XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	17. OLLIE ETH HARLEY XXXXXXXXXX OPERATION IAS MCH TAS G/S	AL FLIGI AL FLIGI ALT T TMP V ATP A CLB - 3 380 3	SIGNA SIGNA DF RELEA IT PLAN IT PLAN	TURE:	EGD TGO 0000 426	FRMN SEGF AFOB 12.5 00.4)	PLAN 12/14 ETA SEG 00+	xxxxxxxx # 9126 2 2153z . / ATA T ./ 00	
WITH 14 CFR PART 1 CAP: HORNE RONALD F/O: LANGFORD KENN XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	17. OLLIE ETH HARLEY XXXXXXXXXX OPERATION IAS MCH TAS G/S	AL FLIGI	SIGNA SIGNA DF RELEA IT PLAN IT PLAN	TURE:	EGD TGO 000 426	FRMN SEGF AFOB 12.5 00.4)	PLAN 12/14 ETA SEG 00+	xxxxxxxx # 9126 2 2153z . / ATA T ./ 00	

на стана 1975 — 1976 1976 — 1976 — 1976 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 — 1976 —

Domestic Dispatch Release Flight 4013 from MDW to BKG _____ 243 .77 380 380 032 202 0022 09.4 00+59/.... ARLYN . . N4019.0 W08840.0 437 381 M61 249/081 199 0321 00.3 00+19 00+04 210 STL 117.4 .. 242 .77 380 380 032 225 0121 07.9 00+39/... N3851.6 W09028.9 437 365 M60 246/077 224 0200 01.5 00+39 00+20 SAINT LOUIS 230 MAP 113.4 .. 242 .77 380 380 032 216 0098 06.8 00+24/.... N3735.4 W09147.3 438 372 M59 242/071 219 0102 01.2 00+54 00+15 224 MAPLES (TOP OF DESCENT COINCIDES WITH PREVIOUS CHECKPOINT) --- DSC --- 204 ---- 06.1 00+00/.... KBBG N3631.9 W09312.0 --- --- --- 208 0000 00.7 01+18 00+24 203 ALTITUDE FUEL TIME FMS RTE NBR _____ -------------0064 01+18 MDWBKG01 400 0065 360 01+18 MDWBKG01 340 0065 01+19 MDWBKG01 ----- ATC FLIGHT PLAN -----(FPL-SWA4013-IS -B737/M-SDE2E3GIRWZ/S -KMDW2229 -N0437F380 DCT ACITO DCT ADELL DCT AKMIE DCT ARLYN DCT STL DCT MAP DCT DGD ... DCL -KBBG0118 -PBN/D101S2T1 NAV/RNVD1E1A1 REG/N272WN "EET/KZKC0023 KZME0111) ----- RAIM OUTAGE TIMES ------NO RAIM OUTAGES Printed on 01/12/2014 at 4:06 PM Page 3 of 4

ATTACHMENT 3 – DISPATCH RELEASE

Domestic Dispatch Release

9-1, MP		ht 4013 fro	m MDW to B	KG	
· · · · · · · · · · · · · · · · · · ·		······································			
		ALIEKNATE	DATA		
	ELEV	MSA DIST	FL W/C T	IME FUEL	
T/O ALTN -			-		
DEST ALTN 1 -					
DEST ALTN 2 -					
	ENROUTE	WIND AND TE	EMPERATURE SU	IMMARY	
MDWBKG01					
WPT FL250	FL290	FL310	FL330	FL370	FL410
КМDW АСІТО 25071M3101	25077M3902	25080M4401	25082м4801	25088M5702	26098m6004
ADELL 25071M3101		25080M4401	25081M4801	25086M5702	26096M6004
AKMIE 25071M3001		25078M4401		25083M5702	25093M600
ARLYN 25071M3001		25074M4300		25078M5702	25089м600
STL 25067M3001		25069M4300	25069M4803	25072M5704	25085M600
MAP 24062M2901		24062M4400	24062M4800	24066m5603	25079M5904
DGD 24059M3001		24062м4400	24062м4800	24067M5603	24079M5804
кввд 24060м2901		24064m4400	24064M4803	24068M5604	24079M5804
DESCENT WINDS					
[°] 34000 30	000 240	00 180	000 120	00 090	000
23/064м53 24/0	64M44 24/06	Ом29 24/05	3M15 24/05	5 00 24/05	9P07
	ENR	OUTE RADIO F	REQUENCIES -		
WYPT LAT	LONG	STATION	SWA FREQ	ARINC FR	EQ
KMDW N4147.	2 w08745.1	MDW	130.12	129.40	
ARLYN N4019.	0 w08840.0	CMI	131.70		
STL N3851.		STL		129.45	
MAP N3735.		COU		•••	
(ТОР КВВG N3631.	9 w09312.0	BKG			

Printed on 01/12/2014 at 4:06 PM

2. , Ļ №

Page 4 of 4

5

SOUTHWEST AIRLINES IFR DISPATCH RELEASE-4 JEPP PLAN# 9126 FLIGHT 4013 01/12/14 2153z DEPART 2145Z ARRIVE 2320Z STE/ETE: 01+16/01+18 TAXI OUT: 00+15 KMDW/MDW: 1545L KBBG/BKG: 1720L DOT OT: 2334Z/1734L TAXI IN: 00+04 1545C 1720C PROPOSED DEPARTURE TIME: 2229Z REMARKS : CODESHARE - FL FLT# 6013 ADDITIONAL FUEL FOR ATC/AIRPORT ARRIVAL DEMAND FLT: AC: NOSE: TYPE: CAP: ATOG: LM: TP: FP: RWY : 4013 N272WN N272 B737-700W 143 134.4 L 21 30 14 DEPART: KMDW/MDW [620'] ARRIVE: KBBG/BKG [1302'] DIST: 0426 NM T/O ALTN: ALTN 1: ALTN 2: FMS RTE MDWBKG01: KMDW..ACITO..ADELL..AKMIE..ARLYN..STL..MAP..DGD..KBBG KMDW: N4147.2 W08745.1 TOC: 380 WIND: 249/081 TEMP/DEV: M61/-04 FL CHANGE: 380 MEL/CDL: <MEL> 33-8-04 [01/18/2014] RIGHT RETRACTABLE LND LT - WILL NOT RETRACT LIGHT IS CONSIDERED INOPERATIVE <MEL> 28-1-02 [01/21/2014] #2 AFT FUEL TANK BOOST PUMP * <MEL> 0-1 CONTACT DISPATCHER/OBTAIN COPY OF RBF 13-65 * <MEL> 0-1 DECREASE PLAN BURN BY 5000 LBS * <MEL> 0-1 INCREASE PLAN LGW BY 5000 LBS * <MEL> 0-1 PLAN ARR FUEL DOES NOT INCLUDE MEL/CDL FUEL * <MEL> 0-1 CONT/HOLD INCLUDES ENROUTE BURN ADJUSTMENT PLAN WEIGHT FUEL TIME STRUC LIMIT ENROUTE BURN 0064 OEW 085762 01+18 CONT/HOLD 0013 00+17 PYLD 027400 DISP ADD 0011 00+15 ZFW 113200 MZFW 120500 ALTERNATE 0000 00+00 FOB 017700 MFW 046200 FAR RESERVE 0033 00+45 TOW 130900 MTOW 154500 MEL/CDL 0052 BURN 011600 BALLAST 0000 LGW 119300 MLGW 128000 MINIMUM TAKEOFF 0173 02+35 MQTW 159000 ------EXTRA 0004 PLAN TAXI OUT 0004 00+15MINIMUM PLANNED 0181 ****** TANKER 0000 MAXIMUM PLANNED 0181 PLAN ARR FUEL 0061 ARR STN CONT FUEL IMPACT: LOW/15 MIN

Flight Release, flight 4013, MDW

Wed Jan 15 08:56:33 2014

Page: 1 of 4

Flight Release, flight 4013, MDW

AVG WIND M065 FUEL BIAS + 2.5 PCT CRZ C20 FUEL BURN ADJUSTMENT FOR 1000LBS INCREASE IN TOW: 0036 LBS TAKEOFF: WIND TEMP QNH RWY BLDS ENG AI FP RWY WT LMT CALM 8 29.58 DRY ON OFF 22L 143.5 OBS06 5 LANDING: WIND TEMP QNH RWY BLDS ENG/WNG AI ICE FP RWY WT LMT CALM 21 29.63 DRY ON OFF/OFF NO 30 14 134.4 STRUC ENROUTE : APU ENG A/I ENROUTE [METHOD 1] NORM ON SEGMENT TERRAIN OVRWGT WT ALT NO LIMITING TERRAIN 154.5 NONE DSP: DICK LANGER DESK: 17 PH: 214-792-6112//800-447-9291 CAP: HORNE RONALD OLLIE SIGNATURE: ----- FITNESS FOR DUTY STATEMENT ------EACH CREWMEMBER AFFIRMATIVELY STATES HE OR SHE IS FIT FOR DUTY IN ACCORDANCE WITH 14 CFR PART 117. CAP: HORNE RONALD OLLIE SIGNATURE: F/O: LANGFORD KENNETH HARLEY SIGNATURE: SOUTHWEST AIRLINES OPERATIONAL FLIGHT PLAN JEPP PLAN# 9126 FLIGHT 4013 01/12/14 2153Z WYPT FREQ AWY IAS MCH ALT TRP MSA MC SEGD FRMN TTREM ETA / ATA LONG LAT TAS G/S TMP WNDALFT TC DTGO SEGF TTIME SEGT NAVAID NAME ATP AWND MH AFOB KMDW --- --- CLB --- --- 0000 12.5 01+18/.... N4147.2 W08745.1 --- --- --- --- 0426 00.4 00+00 00+00 •••• ••••• _____ TOC .. 243 CLB 380 380 032 202 0083 09.7 01+03/.... N4039.6 W08830.6 437 381 M61 249/081 199 0343 02.9 00+15 00+15

Wed Jan 15 08:56:33 2014

Page: 2 of 4

Flight Release, flight 4013, MDW

			RAIM OUTAG	E TIMES		
NO RAIM	OUTAGES					
			ALTERNATI	E DATA		
		ELEV	MSA DIST	FL W/C I	ime fuel	
T/O ALTE	I –					
DEST ALT	'N 1 -					
DEST ALI	'N 2 -					
		ENROUTE	WIND AND TH	MPERATURE SU	MMARY	
MDWBKG01						
WPT	FL250	FL290	FL310	FL330	FL370	FL410
ACITO 25	071M3101	25077M3902	25080M4401	25082M4801	25088M5702	26098M6004
ADELL 25	071M3002	25077M3902	25080M4401	25081M4801	25086M5702	26096M6004
AKMIE 25	071M3001	25075M3901	25078M4401	25078M4800	25083M5702	25093M6004
ARLYN 25	071M3001	25073M3901	25074M4300	25074M4800	25078M5702	25089M6002
STL 25	067M3001	25069M3900	25069M4300	25069M4803	25072M5704	25085M6003
MAP 24	062M2901	24062M3900	24062M4400	24062M4800	24066M5603	25079M5904
DGD 24	059M3001	24061M3901	24062M4400	24062M4800	24067M5603	24079M5804
KBBG 24	060M2901	24063M3901	24064M4400	24064M4803	24068M5604	24079M5804
DESCENT	WINDS					
34000	300	00 240	00 180	00 120	00 090	00
23/064M5	3 24/06	4M44 24/06	OM29 24/05	3M15 24/05	5 00 24/05	9 P 07
		ENR	OUTE RADIO H	REQUENCIES -		
WYPT	LAT	LONG	STATION	SWA FREQ	ARINC FR	EQ
KMDW	N4147.2	W08745.1	MDW	130.12	129.40	
ARLYN	N4019.0	W08840.0	CMI	131.70	•••	
STL	N3851.6	W09028.9	STL	•••	129.45	
MAP	N3735.4	W09147.3	COU	•••	•••	
[TOP						
1101						

Page: 4 of 4