

UAL1845		OPERATIONAL FLIGHTPLAN PG 1/3 PRTD 13DEC16 2242.01						
UAL1845-13	13DEC16	KSFO/SFO	OUT	2351Z/1551L	OFF	0009Z/1609L		
N24202/3202	B738	KDEN/DEN	ON	0217Z/1917L	IN	0225Z/1925L		
WIND	140000	140600	01:49/00:19E	VRNT	2	RTG 102	RLSE 02	
RLSD IFR TO KDEN/DEN			CH13	ELIZABETH HUNT		847-700-3313		
FAR 121.191A1 ENRT LIMIT: METHOD 1 ENG AND WING ANTI-ICE ON								
MEL ITEM INFO								
4920 - APU OPS REQUIRED FOR ETOPS FLT								
DISPATCHER REMARKS								
EXTRA FUEL FOR EN ROUTE DEVIATIONS								
T/O PLANNED WET								
LOW LEVEL MTN WAVE POSSIBLE ON APPROACH INTO DEN								
LT-MOD TURB POSSIBLE 380-320 EKR-DEN								
RLS 2- ZFW INCREASE								
SYSTEM INFO								
VIA PREF-TIPRE Q126 EKR								
COLDEST ENRT TAT M40C (---) (N3935.6 W11125.0) 1:04/532NM								
IA:KSFO-KHIF-KDEN								
M1 CLEARS TERRAIN								
PTOG 131691 ENRT ATOG 169833 ENG AND WING ANTI-ICE ON								
ACF90=06/ACF99=15 SAMPLE=1156 AVGBDE=00 STDEV=07								
ROUTING								
DIST	879	WC	T88	DRAG/FF	0/+4.3	FECO	-11 USD/1K	
CI	15	OPTD	F390					
FMS INIT LOAD				TOW PARAMETERS				
KSFO/KDEN				R28R T11 A3009 W110/05 TW05				
ARPT REF POINT N3737.1 W12222.5				XW01 F5 WET AI/ANTI-ICE OFF				
F390/M63 (M06) TROP F421				AC/BLEEDS ON L11870				
TOC TIPRE+53NM				LW PARAMETERS				
ZFW	116095 / 138300S			R16R T01 A3009 W130/07 HW05				
TOW	131691 / 155576L			XW05 F30 DRY AI/E AC/ON ENRT				
LW	122416 / 146300S			ICE ACCR L16000				
NO REDISPATCH POINT								
INTENDED DEST								
KDEN/DEN	01:49	9275						
FAR	00:45	3422						
00 PCT	00:00	0						
N/A	00:00	0						
N/A	00:00	0						
ADD	00:00	0						
CF	00:00	0						
UNSB	00:00	0						
MIN T/O	02:34	12696						
EXTRA	00:30	2427					CAPT	
CAPT	00:00	0						
ACF90	00:06	472					DOM	
PLAN T/O	03:10	15596					MIN	
TAXI	00:18	437					SIGNED	
PLAN GATE	03:28	16032						
REMF	01:20	6321						
CI 120	-00:00	412			LCL APT	DIST	TIME FUEL	
CI 0	00:00	-4			KCOS	64	00:18 1960	
PER 1K		70			KCYS	78	00:21 2262	

UAL1845		OPERATIONAL FLIGHTPLAN PG 2/3 PRTD 13DEC16 2242.01											
UAL1845-13		13DEC16		N24202/3202		B738		VRNT 2		RTG 102		RLSE 02	
DEP INFO													
CLEARANCE													
OFP													
(FPL-UAL1845-IS													
-B738/M-SDE3GHIRWX/P													
-KSFO2351													
-N0430F390 TRUKN2 TIPRE Q126 EKR KAILE2													
-KDEN0149													
-PBN/A1L1B1C1D1O1S2T1 DOF/161213 REG/N24202 EET/KZLC0033													
KZDV0114 SEL/DHFL OPR/UAL PER/D)													
TKOF ALTN		DIST		TIME		FUEL							
				00:00		0							
ARWY	POSITION		MC	DIST		TIME	MOR	FL	MACH	GS/TAS	ZBO		
COORDINATES			MH		EST	ET	ATA	TROP	SAT	WIND	FUEL		
NAME			TC/TH										
FMS POSN VERIFIED													
	KSFO 13 FT		---	0		0	---	---	M759	503/415	437		
N3737.1 W12222.5			---	879		0:00		F416	M60	276/097	15596		
SAN FRANCISCO IN			---/---										
R28R	TIPRE		047	74		12	057	CLB	---	---/---	2681		
N3812.4 W12102.2			043	805		0:12		F444	---	---/---	12915		
TIPRE			061/057										
Q126	(T/C)		066	53		7	148	F390	---	---/---	814		
N3821.5 W11955.8			066	752		0:19		F421	M63	278/108	12100		
			080/080										
RVSM ALTIMETER CHECK													
ENTERING FIR: KZLC SALT LAKE CITY (UNITED STATES)													
Q126	INSLO		067	125		14	148	F390	M765	533/432	1071		
N3840.7 W11717.9			062	627		0:33		F415	M63	276/107	11030		
INSLO			080/075										
Q126	GAROT		065	193		21	144	F390	M759	542/430	1616		
N3918.0 W11315.0			060	434		0:54		F483	M62	274/118	9414		
GAROT			078/073										
ENTERING FIR: KZDV DENVER (UNITED STATES)													
Q126	EKR D115.20		066	251		28	147	F390	M756	530/426	2103		
N4004.0 W10755.5			059	183		1:22		F395	M64	284/117	7311		
MEEKER			078/071										

UAL1845											OPERATIONAL FLIGHTPLAN PG 3/3 PRD 13DEC16 2242.01															
UAL1845-13				13DEC16				N24202/3202				B738				VRNT 2				RTG 102				RLSE 02		
ARWY		POSITION				MC		DIST		EST		TIME		MOR		FL		MACH		GS/TAS		ZBO				
COORDINATES NAME				MH				ET				ATA		TROP		SAT		WIND		FUEL						
				TC/TH																						
R16R		(T/D)				060		54				7		147		F390		M752		528/424		448				
N4017.5 W10647.3				050		129		1:29				F396		M64		284/122		6863								
				075/065																						
R16R		CSPAD				066		23				2		147		DSC		---		---/---		33				
N4023.0 W10619.1 CSPAD				050		106		1:31				F396		---		---/---		6830								
				076/060																						
R16R		FRNCH				067		16				2		166		DSC		---		---/---		24				
N4026.7 W10559.5 FRNCH				058		90		1:33				F388		---		---/---		6806								
				076/067																						
R16R		SKARF				093		15				2		166		DSC		---		---/---		24				
N4023.8 W10541.1 SKARF				091		75		1:35				F388		---		---/---		6781								
				102/100																						
R16R		TOMSN				093		12				1		166		DSC		---		---/---		22				
N4021.4 W10526.2 TOMSN				091		63		1:36				F393		---		---/---		6759								
				102/100																						
R16R		BEOND				091		23				3		166		DSC		---		---/---		57				
N4017.4 W10457.1 BEOND				091		40		1:39				F393		---		---/---		6702								
				100/100																						
R16R		SWAYN				093		4				1		089		DSC		---		---/---		13				
N4016.8 W10453.2 SWAYN				093		36		1:40				F393		---		---/---		6689								
				101/101																						
R16R		KAILE				092		6				1		089		DSC		---		---/---		22				
N4015.8 W10446.1 KAILE				092		30		1:41				F393		---		---/---		6667								
				100/100																						
R16R		KDEN 5434FT				161		30				8		117		DSC		---		---/---		346				
N3951.7 W10440.4 DENVER INTL				164		0		1:49				F393		---		---/---		6321								
				170/173																						
LDG INFO																										
CRITICAL TERRAIN SCENARIO																										
M1 CLEARS TERRAIN																										
PTOG 131691 ENRT ATOG 169833 ENG AND WING ANTI-ICE ON																										

u258659/AE LAGER
13DEC16 UAL1845 KSFO - KDEN

Non Standard MET
page 1/4

UAL1845 13DEC16 SFO-DEN

KSFO -SFO - SAN FRANCISCO INTL

01L/19R 7650 01R/19L 8650 10L/28R 11870 10R/28L 11381
METAR 132256Z 02003KT 10SM SCT032 BKN040 OVC095 13/09 A3008
RMK
AO2 SLP186 T01280089=
METAR 132156Z 36003KT 10SM FEW020 BKN050 OVC095 12/08 A3009
RMK
AO2 SLP189 T01220078=
METAR 132056Z 08003KT 10SM FEW015 SCT045 OVC055 12/08 A3011
RMK
AO2 SLP194 T01170083 58014=
TAF 132302Z 1400/1500 VRB03KT P6SM BKN035 OVC045
PROB30 1400/1403 -SHRA BKN030
FM140300 14004KT P6SM BKN025 OVC035
TEMPO 1403/1406 -SHRA
FM140600 15007KT P6SM BKN017 OVC025
FM141500 14010KT P6SM SCT008 BKN015 OVC025
PROB30 1415/1421 -SHRA
RMK WSI/MB=

KDEN -DEN - DENVER INTL

07/25 12000 08/26 12000 16L/34R 12000 16R/34L 16000 17L/35R
12000 17R/35L 12000
METAR 132253Z 28008KT 10SM SCT120 BKN220 06/M14 A2991 RMK AO2
SLP132 T00611144=
METAR 132153Z 29009KT 10SM FEW120 BKN220 09/M14 A2992 RMK AO2
SLP123 T00891144=
METAR 132053Z 28010KT 10SM FEW120 SCT220 08/M13 A2993 RMK AO2
SLP123 T00781133 56029=
TAF 131701Z 1317/1417 12012KT P6SM SCT120 SCT200
FM132100 31008KT P6SM SCT120 BKN200
FM140000 13007KT P6SM FEW100 BKN200
FM140500 20008KT P6SM FEW100 BKN200
FM140900 04010KT P6SM FEW003 SCT120 BKN200
FM141200 07012KT 4SM BR BKN003 OVC008
RMK WSI/MB=

KHIF -HIF - HILL AFB

14/32 13500
METAR 132258Z AUTO 00000KT 10SM OVC110 02/M07 A3007 RMK AO2
SLP197
T00151066=
METAR 132158Z AUTO 15004KT 10SM OVC120 01/M07 A3007 RMK AO2
SLP197
T00111068=
METAR 132058Z AUTO 00000KT 10SM OVC120 01/M08 A3008 RMK AO2
SLP201
T00131083 56013=
TAF 132103Z 1321/1503 VRB06KT 9999 BKN060 620609 QNH3006INS
BECMG 1414/1415 09009KT 6000 -RASN SCT009 BKN025 620259
QNH3011INS
BECMG 1418/1419 11007KT 8000 -RA SCT025 BKN040 OVC050
620509 QNH2999INS
BECMG 1502/1503 VRB06KT 9999 NSW SCT040 BKN100 QNH2998INS
TX02/1420Z TNM05/1407Z=

KGJT -GJT - GRAND JUNCTION

04/22 5502 11/29 10501
METAR 132253Z 18003KT 10SM OVC120 04/M06 A3007 RMK AO2 SLP194

u258659/AE LAGER
13DEC16 UAL1845 KSFO - KDEN

Non Standard MET
page 2/4

T00441056=
METAR 132153Z 00000KT 10SM BKN120 04/M06 A3006 RMK AO2 SLP189
T00441056=
METAR 132053Z 13003KT 10SM CLR 04/M06 A3007 RMK AO2 SLP190
T00441056 58019=
TAF 131739Z 1318/1418 VRB03KT P6SM SCT200
FM132000 30004KT P6SM BKN200
FM140200 07005KT P6SM BKN150
FM141500 VRB03KT P6SM BKN100=

KRKS -RKS - ROCK SPRINGS
03/21 5228 09/27 10000
METAR 132254Z AUTO 24003KT 10SM BKN095 OVC120 M05/M12 A2999
RMK
AO2 SLP215 T10501122=
METAR 132154Z AUTO 24006KT 10SM BKN120 M05/M12 A2999 RMK AO2
SLP213 T10501117=
METAR 132054Z AUTO 24008KT 10SM FEW120 M06/M12 A2999 RMK AO2
SLP214 T10561122 56020=
TAF 131720Z 1318/1418 24011KT P6SM SCT040
FM131900 27014G22KT P6SM SCT050
FM140100 25010KT P6SM SCT050
FM141300 25014G22KT P6SM VCSH SCT025 BKN050=

KHLN -HLN - HELENA REGNL
05/23 4644 09/27 9000 10/28 1800 17/35 2989
METAR 132253Z 19003KT 8SM CLR M13/M16 A3003 RMK AO2 SLP265
T11281156=
METAR 132153Z 12004KT 10SM SCT075 M14/M16 A3002 RMK AO2 SLP259
T11391161=
METAR 132053Z 00000KT 9SM FEW027 SCT039 BKN046 M12/M14 A3001
RMK AO2 SLP259 P0003 60004 T11171144 56010=
TAF 131944Z 1320/1418 VRB06KT P6SM VCSH SCT025 BKN045
TEMPO 1320/1322 1SM -SN BKN012
FM132200 VRB06KT P6SM BKN060
TEMPO 1410/1414 2SM BR BKN015=

KHDN -HDN - HAYDEN-YAMPA VALLEY
10/28 10000
METAR 132255Z AUTO 00000KT 10SM OVC100 M05/M11 A3001 RMK AO1=
METAR 132235Z AUTO 10003KT 10SM OVC110 M06/M12 A3001 RMK AO1=
METAR 132215Z AUTO 09003KT 10SM BKN120 M06/M12 A3000 RMK AO1=
TAF 131655Z 1317/1411 12006KT P6SM FEW070 SCT120
FM131900 26008KT P6SM SCT100 SCT200
FM140300 VRB05KT P6SM BKN120 BKN200
RMK WSI/MB=

KCOS -COS - COLORADO SPRINGS
13/31 8270 17L/35R 13501 17R/35L 11022
METAR 132254Z 13007KT 10SM FEW160 BKN230 01/M11 A2999 RMK AO2
SLP192 T00111106=
METAR 132154Z VRB03KT 10SM FEW160 BKN230 02/M11 A2998 RMK AO2
SLP197 CCSL SW T00221106=
METAR 132054Z 19007KT 10SM FEW150 SCT230 02/M11 A2998 RMK AO2
SLP191 CCSL SW T00171106 56027=
TAF 131730Z 1318/1418 17012KT P6SM SCT250
FM140200 36009KT P6SM BKN250
FM140700 36010KT P6SM BKN200
FM141400 04010KT P6SM BKN200=

KIAH -IAH - HOUSTON/BUSH INTERCONTINENTAL

u258659/AE LAGER
13DEC16 UAL1845 KSFO - KDEN

Non Standard MET
page 3/4

08L/26R 9000 08R/26L 9402 09/27 10000 15L/33R 12001 15R/33L
10000
METAR 132253Z 32007KT 10SM FEW017 BKN027 22/17 A2996 RMK AO2
SLP145 T02170172=
METAR 132153Z 29007KT 10SM BKN015 BKN027 22/18 A2996 RMK AO2
SLP143 T02170183=
SPECI 132218Z 31009KT 10SM FEW019 BKN027 22/18 A2996 RMK AO2
T02220183=
METAR 132053Z 27007KT 10SM BKN017 23/18 A2994 RMK AO2 SLP139
T02280183 55016=
TAF 132107Z 1321/1417 30006KT P6SM SCT015 BKN025
TEMPO 1321/1400 BKN015
FM140000 35006KT P6SM SCT012 BKN020
FM140400 01006KT 5SM BR BKN007 OVC012
TEMPO 1409/1414 1SM BR OVC004
RMK WSI/DH=

PR 132059Z ARP UAL535 3840N 11717W 2059 F370 260/115KT TB LGT
CHOP RM B752 OV INSLO

PR 132228Z ARP UAL1950 4043N 10455W 2228 F390 MS61 265/151KT
TB SMTH SK CLEAR IC NONE RM B738 OV CYS180030 LIGHT MTN WAVE + -
07KT

PR 132228Z ARP UAL1950 4043N 10455W 2228 F390 MS61 265/151KT
TB SMTH SK CLEAR IC NONE RM B738 OV CYS180030 LIGHT MTN WAVE + -
07KT

PR 132038Z ARP UAL516 3934N 10411W 2038 F370 272/132KT TB LGT
SK CLEAR IC NONE RM B739 OV PEEDE

PR 132038Z ARP UAL516 3934N 10411W 2038 F370 272/132KT TB LGT
SK CLEAR IC NONE RM B739 OV PEEDE

PR 132039Z ARP UAL516 3934N 10411W 2039 F370 TB MOD RM B739 OV
PEEDE

KZOA - - OAKLAND
KZLA - - LOS ANGELES
FP 132242Z - TURB
VALID: 2016-12-14 12:00:00+00 UNTIL 2016-12-14 15:00:00+00
INTENSITY: MDT TYPE: CAT
LEVEL: FL110 - FL170
AREA: 30SE FMG - 45SE FRA - 180W ALLBE - 120NNW ALCOA - 60ESE
RBL
ID: 40245 (WSI/AVF)

KZLC - - SALT LAKE CITY
KZSE - - SEATTLE
FP 132039Z - TURB
VALID: 2016-12-13 21:00:00+00 UNTIL 2016-12-14 00:00:00+00
INTENSITY: OCNL MDT TYPE: CAT
LEVEL: FL240 - FL320
DIRECTIONAL SHEAR
AREA: 65WNW HLN - 60WNW CZI - 45N DNJ - 35NW HQM - 105ENE YKM -
20W MLP
ID: 38752 (WSI/RD)

KZDV - - DENVER
FP 132029Z - TURB
VALID: 2016-12-13 20:00:00+00 UNTIL 2016-12-14 00:00:00+00

u258659/AE LAGER
13DEC16 UAL1845 KSFO - KDEN

Non Standard MET
page 4/4

INTENSITY: OCNL MDT TYPE: CAT
LEVEL: FL090 - FL170
TERRAIN INDUCED
AREA: 35ENE DEN - 20E JNC - 45WSW HBU - 25SW BRK - 20SSW AKO -
15WSW AKO
ID: 40168 (WSI/RD)

Official Pilot Briefing

UAL1845 13DEC16 N24202 38WE KSFO 2351 KDEN 0225+

Page 1/6

Trans ID: 10325369

Creation Time: 13.12.2016 23:06UTC

GENERAL INFORMATION

Confirm Requested Takeoff Data

Crews are reminded to confirm the requested Takeoff data is correct for the Aircraft / Engine Type, Departure City, Runway, and Intersection (if applicable). If the returned data is incorrect, Ex: RWY 25R in PHX, instead of 25R LAX. resubmit request and confirm.

UAL 00891/16
(02 AUG 16)

Sabre FPM Class II Anomaly

The Sabre flight plan may display "Entering Class II Airspace" when in reality the entire route is operated in Class I airspace. If a pilot sees in the Dispatchers remarks "System Info" section: VIA OPTIMIZED-O/W-CLS I VIA ..", these remarks will tell flight crews that this route is operating in Class I navigation airspace.
(Per Dean Mc David/DENTK)

UAL 00707/13
(12 JAN 16)

MINTO fuel and Sabre FPM optimization

When the Sabre FPM optimizes a route, there may be times when the Redispatch MINTO fuel will be greater than the intended destination MINTO fuel.

UAL 01472/11
(03 NOV 14)

If on a re-dispatch flight plan, compare fuel at point of take-off to the higher MINTO value. If it becomes apparent the aircraft will not arrive at the takeoff position with the higher MINTO value, contact Dispatch if you have any questions concerning which MINTO is limiting.

Single page OFP validation:

Sabre release version 4.4 (R-11) only prints Page 1 of the OFP as part of the Release Accept process. If needed, full copies of the OFP can be printed separately in addition to the full OFP supplied as part of the Briefing Package.

UAL 01420/13
(27 AUG 13)

Sabre SIGMET/SEVERE WX requests through ACARS

Do not request SIGMET/SEVERE WX data from ACARS due to no filtering capability. The SIGMET/SEVERE WX data in Sabre FPM is a complete worldwide file and may be over 100 pages and can take up to 30 minutes to upload. Contact Dispatch for the latest SIGMETS/SEVERE WX in the area of concern. (per Eric Krueger-CHIDD) (Edited-BMM/10Mar12)

UAL 03698/11
(10 MAR 12)

Sabre FPM Take-off Performance

The Take-Off performance module will not automatically calculate a PACKS OFF take-off if the airplane is overweight to take-off with PACKS ON.

UAL 01272/11
(09 JUN 11)

If the ACARS runway data returns an "overweight" message, with associated high temperatures, high pressure altitude, etc, re-request Take-off performance data with the following manually entered values :

Desired runway
Airplane TOW
PACKS OFF

Any other input deemed necessary by the crew (flap setting, winds, etc)

AEROPLANE INFORMATION

AIRCRAFT CATEGORY = D

N I L

AIRCRAFT TYPE = B737

Company NOTAM B737 FANS capability

EQUIPMENT

--- B737-900 ---

APPLIES TO 73B SUB FLEET ONLY.... TAIL #'S 818 AND ABOVE.

DUE TO FMC/ACARS SOFTWARE ISSUES DO NOT USE FANS CAPABILITY.

UAL 01330/14
(17 OCT 14)

WIND UPLINK REJECTION

B737 aircraft requesting wind uplinks that use routes with only one waypoint may experience uplink errors. The wind will have to be loaded manually.

UAL 01328/14
(16 OCT 14)

Official Pilot Briefing

Page 2/6
Trans ID: 10325369
Creation Time: 13.12.2016 23:06UTC

AIRCRAFT SUBTYPE = 38WE

N I L

AIRCRAFT REGISTRATION = N24202

N I L

FLIGHT INFORMATION

UAL1845

N I L

SERVICETYPE = J (SCHEDULED)

N I L

FLIGHT LEG INFORMATION

KSFOKDEN

N I L

LOAD-INFO

UAL1845

N I L

SPECIAL INFO ITEMS

UAL1845

N I L

AERODROME INFORMATION

KSFO / SFO
RAIM (SFO)

B757.30A SFO RNP:0.3 OPERATIONS COVERAGE UNACCEPTABLE FOR OPERATION DURING GIVEN PERIOD FROM (Z) TO (Z) 12/14/2016 10:15:30 - 12/14/2016 10:22:30	UAL 01257/14 (13 DEC 16)
B767.30B SFO RNP:0.3 OPERATIONS COVERAGE UNACCEPTABLE FOR OPERATION DURING GIVEN PERIOD FROM (Z) TO (Z) 12/14/2016 10:15:30 - 12/14/2016 10:22:30	
B7772.30B SFO RNP:0.3 OPERATIONS GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 24 HOURS	
B7878.30B SFO RNP:0.3 OPERATIONS GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 24 HOURS	
RWY 28R DECLARED DIST: TORA 11870FT TODA 11870FT ASDA 11870FT LDA 11236FT	KSFOA2941/16 (13 DEC 16)
UNITED INSTRUCTIONS: Landing distances have been updated to 11,236ft. (OPBEG - 22Nov2016 - Meterko)	
14 DEC 2016 08:00-14 DEC 2016 14:00 RWY 01L/19R CLSD	*KSFOA3054/16 (12 DEC 16)
14 DEC 2016 08:00-14 DEC 2016 16:00 RWY 10L/28R CLSD	*KSFOA3053/16 (12 DEC 16)
14 DEC 2016 08:00-14 DEC 2016 16:00 ILS RWY 28R U/S	KSFOA3043/16 (11 DEC 16)
TWY M SOUTHBOUND TRANSITION BTN TWY A AND TWY B CLSD	KSFOA3040/16 (09 DEC 16)

Official Pilot Briefing

Page 3/6
Trans ID: 10325369
Creation Time: 13.12.2016 23:06UTC

TWY M1 SOUTHBOUND TRANSITION BTN TWY A AND TWY B CLSD	KSFOA3038/16 (09 DEC 16)
TWY A BTN TWY M1 AND TWY B CLSD TO ACFT WINGSPAN MORE THAN 171FT	KSFOA2992/16 (01 DEC 16)
RNAV (RNP) Z RWY 10R, AMDT 2A... RNP 0.20 DA 417/HAT 407 ALL CATS. TEMPORARY CRANE 280 FEET MSL 3866FT NORTH OF RWY 10R (2016-AWP-1802-NRA, 2016-AWP-1803-NRA, 2016-AWP-1804-NRA, 2016-AWP-1805-NRA).	KSFOA2978/16 (30 NOV 16)
SAN FRANCISCO INTERNATIONAL, CALIFORNIA, RWY STATUS LGTS ARE IN AN OPR TEST ON RWY 10L/28R, RWY 10R/28L, RWY 01L/19R, RWY 01R/19L AND MUST BE COMPLIED WITH. RWY STATUS LGT ARRAYS MAY BE OFFLINE INTERMITTENTLY THROUGHOUT THE TEST PHASE. RWY STATUS LGTS ARE RED IN-PAVEMENT LGTS THAT SERVE AS WARNING LGTS ON RWYS AND TWYS INDICATING THAT IT IS UNSAFE TO ENTER, CROSS, OR BEGIN TKOF ON A RWY. NOTE: RWY STATUS LGTS INDICATE RWY STATUS ONLY. THEY DO NOT INDICATE CLEARANCE. PILOTS AND VEHICLE OPRS MUST STILL RECEIVE A CLEARANCE FROM AIR TRAFFIC CONTROL BEFORE PROCEEDING. FOR ADDITIONAL INFORMATION VISIT: HTTP://WWW.FAA.GOV/AIR?TRAFFIC/TECHNOLOGY/RWSL	KSFOA2947/16 (25 NOV 16)
RWY 28L DECLARED DIST: TORA 11381FT TODA 11381FT ASDA 10981FT LDA 10275FT	KSFOA2940/16 (22 NOV 16)
OFFSHORE ONE DEPARTURE... FELLOWS TRANSITION NA EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS, FLW VOR/DME U/S	KSFOA2920/16 (21 NOV 16)
FOGGG TWO DEPARTURE (RNAV)... GAP SEVEN DEPARTURE... MOLEN EIGHT DEPARTURE... SAHEY THREE DEPARTURE (RNAV)... ADD TAKEOFF OBSTACLE NOTE: RWY 19R, TEMPORARY CRANE 935FT FROM DER, 609FT RIGHT OF CENTERLINE, 125FT AGL/ 135FT MSL (2016-AWP-2003-NRA). ALL OTHER DATA REMAINS AS PUBLISHED.	KSFOA2893/16 (15 NOV 16)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 9... ADD NOTE: RWY 19R, TEMPORARY CRANE 935FT FROM DER, 609FT RIGHT OF CENTERLINE, 125FT AGL/ 135FT MSL (2016-AWP-2003-NRA). ALL OTHER DATA REMAINS AS PUBLISHED.	KSFOA2892/16 (15 NOV 16)
KSFO GATES	
SFO GATE 75 IS TOW-IN ONLY	UAL 03590/16 (15 NOV 16)
APRON TAXILANE H1 CLSD	KSFOA2850/16 (04 NOV 16)
SSTIK THREE DEPARTURE (RNAV)... WESLA THREE DEPARTURE (RNAV)... YYUNG TRANSITION NA. ALL OTHER DATA REMAINS AS PUBLISHED.	KSFOA2666/16 (14 OCT 16)
ILS OR LOC RWY 28R, AMDT 13B ... S-LOC 28R MDA 540/ HAT 527 ALL CATS, VISIBILITY CATS C/D RVR 5500. SIDESTEP RWY 28L MDA 540/ HAT 527 ALL CATS. VDP AT I-GWQ 3.42 DME? DISTANCE VDP TO THLD 1.44 MILES. CHANGE INOP NOTE TO READ: FOR INOPERATIVE ALSF, INCREASE S-LOC 28R CATS C AND D VISIBILITY TO 1 1/2 MILE. TEMPORARY CRANE 286 MSL 4.95 NM SOUTHEAST OF RWY 28R (2015-AWP-11127-OE).	KSFOA2654/16 (13 OCT 16)
ILS OR LOC RWY 28L, AMDT 25A... TERMINAL ROUTE ARCHI (IAF) TO PONKE/I-SFO 21.6 DME MINIMUM ALTITUDE 6000..	KSFOA2356/16 (01 SEP 16)
TWY S2 BTN TWY Z AND TWY S3 CLSD TO ACFT WINGSPAN MORE THAN 215FT	KSFOA1122/16 (29 APR 16)
TWY S1 CLSD LGTD AND BARRICADED	KSFOA0573/14 (01 NOV 14)

KDEN / DEN
RAIM (DEN)

Official Pilot Briefing

Page 4/6
Trans ID: 10325369
Creation Time: 13.12.2016 23:06UTC

B737NG.30A-DEN DEN RNP:0.3 OPERATIONS GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 24 HOURS	UAL 01210/15 (13 DEC 16)
B757.30A - DEN DEN RNP:0.3 OPERATIONS GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 24 HOURS	
B7674.30A-DEN DEN RNP:0.3 OPERATIONS GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 24 HOURS	
B7772.30B-DEN DEN RNP:0.3 OPERATIONS GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 24 HOURS	
B7878.30B DEN RNP:0.3 OPERATIONS GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 24 HOURS	
14 DEC 2016 06:00-14 DEC 2016 10:00 RWY 16R ILS LOC/GP U/S	KDENA9945/16 (11 DEC 16)
TWY CN BTN TWY G AND TWY J CLSD TO ACFT WINGSPAN MORE THAN 118FT	KDENA9925/16 (09 DEC 16)
TWY CN BTN TWY G AND TWY J WIP CONST NORTH EDGE	KDENA9924/16 (09 DEC 16)
TWY F7 CLSD TO ACFT WINGSPAN MORE THAN 118FT	KDENA9670/16 (01 DEC 16)
ILS OR LOC RWY 07, AMDT 3A... S-LOC 07 SUNKE FIX MINIMUMS MDA 5660/HAT 308 ALL CATS.	KDENA9234/16 (13 NOV 16)
RNAV (RNP) Z RWY 25, ORIG-B... RNP 0.30 DA 5792/HAT 437 ALL CATS..	KDENA8811/16 (20 OCT 16)
TWY BS CLSD TO ACFT WINGSPAN MORE THAN 135FT BTN TWY H AND GATE B16	KDENA8792/16 (19 OCT 16)
RWY 17L/35R SAFETY AREA IRREGULAR SFC 8IN HUMPS SOUTH END	KDENA8601/16 (10 OCT 16)
RWY 26 RTHL U/S	KDENA1569/16 (10 FEB 16)
RWY 16L RTHL U/S	KDENA1567/16 (10 FEB 16)

KHIF / HIF
N I L

ENROUTE INFORMATION

NAM / NORTH AMERICA
N I L

USA / UNITED STATES
N I L

KZOA / OAKLAND

13 DEC 2016 20:45-14 DEC 2016 02:00 W532N ACT F)SFC G)FL500	*KZAAA0565/16 (13 DEC 16)
V113, V28 KATSO, CA TO SPOOK, CA MEA 15000, MOCA 10500.	KZAAA0494/16 (14 OCT 16)
ROUTE V195 FORTUNA (FOT) VORTAC, CA TO RED BLUFF (RBL) VORTAC, CA CHANGE OVER POINT FOT 40 NM.	KZAAA0492/16 (14 OCT 16)
ROUTE V195 FORTUNA (FOT) VORTAC, CA TO RED BLUFF (RBL) VORTAC, CA CHANGE OVER POINT FOT 40 NM.	KZSEA4075/16 (14 OCT 16)
SPECIAL NOTICE..THE FLT INFORMATION SERVICES BCST DATA SOURCE FOR ZOA ARTCC AIRSPACE IS CHANGING. ALL FLT INFORMATION SERVICES	KZAAA0459/16 (22 SEP 16)

BCST PRODUCT FORMATS REMAIN UNCHANGED AND EXISTING AVIONICS SHOULD REMAIN COMPATIBLE WITH THE NEW DATA SOURCE. NOTAM-D AND NOTAM-FDC PRODUCTS THAT ARE OLDER THAN 30 DAYS WILL NO LONGER BE UPLINKED WHEN THIS CHANGE IS IMPLEMENTED. THIS UPDATE WILL OCCUR BTN 1200UTC AND 2200UTC ON SEPTEMBER 26 2016 AND WILL BE PERMANENT. ANY OBSERVED ISSUES SHOULD BE REPORTED VIA EMAIL TO ADSB?FAA.GOV

ROUTE ZOA. A222 POHNPEI (PNI) NDB/DME, UNDEFINED TO AXTEN, NA EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS.

*KZ0AA0416/16
(01 SEP 16)

THE FOLLOWING NAVIGATIONAL REFERENCE SYSTEM (NRS) WAYPOINTS ARE UNUSABLE UFN:

KO33E
KO36C
KO39C
KO48C
KO51C
KO54C

KZ0AA2184/05
(01 APR 15)

FOR AIRCRAFT DEPARTING FROM AIRPORTS ALONG THE WEST COAST OF NORTH AMERICA AND HAWAII, OAKLAND ARTCC REQUESTS THAT DATA-LINK AIRCRAFT NOT LOGON TO OAKLAND OCEANIC (KZAK) UNTIL LEAVING 10,000 FEET. THIS WILL ELIMINATE ADS PERIODIC REPORTS FOR AIRCRAFT THAT ARE STILL ON THE GROUND WHICH WILL ASSIST IN THE TRANSITION FROM OUR DOMESTIC AIRSPACE AUTOMATION ENVIRONMENT TO THE OCEANIC AIRSPACE AUTOMATION ENVIRONMENT. ADDITIONALLY, THIS WILL REDUCE OPERATOR COSTS. ANY QUESTIONS SHOULD BE FORWARDED TO OAKLAND ARTCC AT 510-745-3258/3320.

KZ0AA1125/06
(01 APR 15)

W-285A MIL OPS

W-285A MIL FLEET AREA CONTROL AND SURVEILLANCE FACILITY, 1330Z-0400Z M-F, OTHER TIMES BY NOTAM, SFC-FL450.

*UAL 01930/13
(11 APR 14)

W-283 MIL OPS

W-283 MIL FLEET AREA CONTROL AND SURVEILLANCE FACILITY, 1330Z-0400Z M-F, OTHER TIMES BY NOTAM, SFC-FL600.

*UAL 01929/13
(11 APR 14)

KZLC / SALT LAKE CITY

ZLC OR..ROUTE ZLC.

J153 ROME (REO) VOR/DME, OR TO BAKER CITY (BKE) VOR/DME, OR COP AT BKE R-161 15NM.

KZLCA0278/16
(03 NOV 16)

ZLC ROUTE ZLC.

V231 MISSOULA (MSO) VOR/DME, MT TO ARLEE, MT MEA 9700.

KZLCA0276/16
(03 NOV 16)

HILL AFB RESTRICTED AREAS

HILL AFB RESTRICTED AREAS

Active H24

R-6402A SFC-FL580

R-6402B SFC-FL580

R-6404A SFC-FL580

R-6404C SFC-FL280

R-6405 SFC-FL580

R-6406A SFC-FL580

R-6406B SFC-FL580

R-6407 SFC-FL580

*UAL 01439/12
(30 SEP 16)

SPECIAL NOTICE..THE FLT INFORMATION SERVICES

BCST DATA SOURCE FOR ZLC ARTCC AIRSPACE IS CHANGING. ALL FLT INFORMATION SERVICES BCST PRODUCT FORMATS REMAIN UNCHANGED AND EXISTING AVIONICS SHOULD REMAIN COMPATIBLE WITH THE NEW DATA SOURCE. NOTAM-D AND NOTAM-FDC PRODUCTS THAT ARE OLDER THAN 30 DAYS WILL NO LONGER BE UPLINKED WHEN THIS CHANGE IS IMPLEMENTED. THIS UPDATE WILL OCCUR BTN 1200UTC AND 2200UTC ON SEPTEMBER 26 2016 AND WILL BE PERMANENT. ANY OBSERVED ISSUES SHOULD BE REPORTED VIA EMAIL TO ADSB?FAA.GOV

KZLCA0217/16
(22 SEP 16)

ROUTE ZLC.

J523 ELY (ELY) VOR/DME, NV R-114 UNUSABLE BYD 20NM.

KZLCA0202/16
(26 AUG 16)

KZDV / DENVER

Official Pilot Briefing

Page 6/6
Trans ID: 10325369
Creation Time: 13.12.2016 23:06UTC

V328 HABRO, CO MCA 11300 SOUTHEASTBOUND.	KZDVA0315/16 (28 NOV 16)
V219 HAYES CENTER (HCT) VORTAC, NE R-048 TO YOZLE INT, NE MEA 7000.	*KZDVA0314/16 (21 NOV 16)
Q-114 FROMM NATEE CONT TO BUGGG NOT AUTHORIZED	*KZDVA0296/16 (10 NOV 16)
Q-94 FM WELUM CONT TO ROOLL NOT AUTHORIZED	*KZDVA0298/16 (10 NOV 16)
Q-78 FM MARUE CONT TO TOADD NOT AUTHORIZED	*KZDVA0297/16 (10 NOV 16)
Q-96 FM PURSE CONT TO KIMMR NOT AUTHORIZED	*KZDVA0299/16 (10 NOV 16)
V160 BLUE MESA (HBU) VOR/DME, CO TO MURFE INT, CO MEA 16400 MCA 13100 NORTHEASTBOUND. HBU VOR/DME RAISE MEA AND MCA..	KZDVA0265/16 (19 OCT 16)
ROUTE ZDV. V361 ALLAN, CO MCA 16000 SOUTHWESTBOUND.	KZDVA0258/16 (13 OCT 16)
ZDV CO..ROUTE ZDV. V85 ALLAN, CO MCA 16000 NORTHWESTBOUND.	KZDVA0257/16 (13 OCT 16)
ROUTE ZDV. V85 HYGEN, CO MCA 12800 NORTHWESTBOUND.	KZDVA0256/16 (13 OCT 16)
ROUTE V263 LIMEX, CO MCA 10000 SOUTHBOUND.	KZDVA0253/16 (12 OCT 16)
SPECIAL NOTICE..THE FLT INFORMATION SERVICES BCST DATA SOURCE FOR ZDV ARTCC AIRSPACE IS CHANGING. ALL FLT INFORMATION SERVICES BCST PRODUCT FORMATS REMAIN UNCHANGED AND EXISTING AVIONICS SHOULD REMAIN COMPATIBLE WITH THE NEW DATA SOURCE. NOTAM-D AND NOTAM-FDC PRODUCTS THAT ARE OLDER THAN 30 DAYS WILL NO LONGER BE UPLINKED WHEN THIS CHANGE IS IMPLEMENTED. THIS UPDATE WILL OCCUR BTN 1200UTC AND 2200UTC ON SEPTEMBER 26 2016 AND WILL BE PERMANENT. ANY OBSERVED ISSUES SHOULD BE REPORTED VIA EMAIL TO ADSB?FAA.GOV	KZDVA0228/16 (22 SEP 16)

30190061

N I L

Route Chart

UAL1845 SFO-DEN

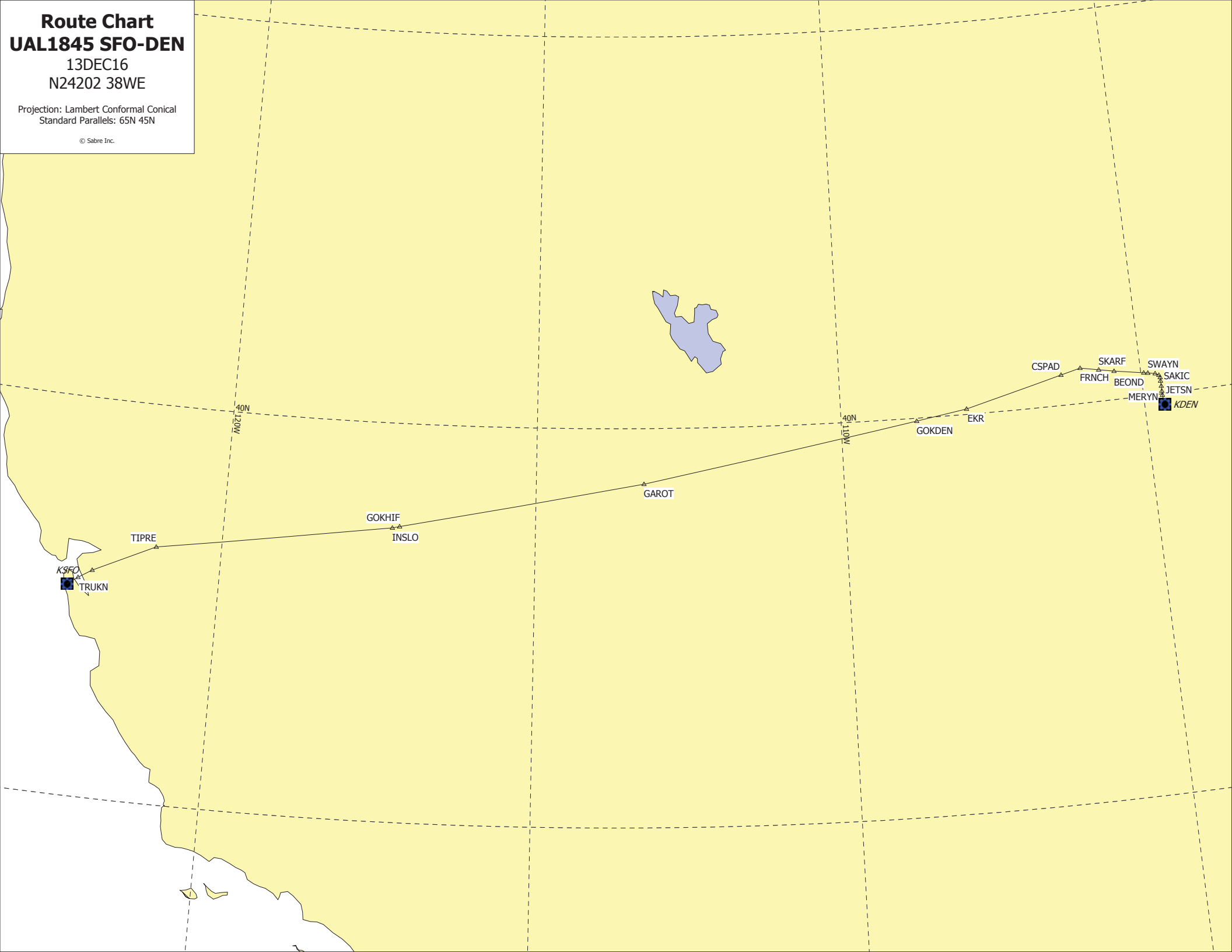
13DEC16

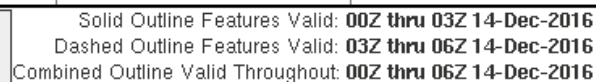
N24202 38WE

Projection: Lambert Conformal Conical

Standard Parallels: 65N 45N

© Sabre Inc.





TURBC
TSTMS



Volcano Ash



Jetstream
110 K
FL340

Tropopause

400

2

Hgts	Ozone
80 L	

Tropical **WSI**

\$B

CATEGORY CODE. 01

PAGE 0202

A/C 202 737-824 (73Y) N24202 CFM56-7B EFF 202 YC363

SEATING 16/150.166..ACARS 2.0

LIVE TV..KA WIFI..CENTER FUEL PUMPS - UFI INSTALLED

..... AIRCRAFT PLACARDS

08-30 5720 SPLIT SCIMITAR WINGLET INSTALL

8215207

08-13 E4920 APU OPS REQUIRED FOR ETOPS FLT

8559021

B

u258659/AE LAGER
UAL 1845 13DEC16 SFO-DEN

DIL MEL Document
page 1/1

DIL AND LOG HISTORY NOT APPLICABLE FOR SCO AIRCRAFTS

u258659/AE LAGER
UAL 1845 13DEC16 SFO-DEN

DIL LOG Document
page 1/1

DIL AND LOG HISTORY NOT APPLICABLE FOR SCO AIRCRAFTS

[Back](#)

POST DEPARTURE FLIGHT INFORMATION							
FLIGHT	DATE	ORIGIN	OCC	DESTINATION	AIRCRAFT	EQUIP	GATE
1845	13-DEC-16	SFO	1	DEN	3202	73Y	89
SCHED ETD	OUT	TAXI	OFF	WTCHECK DUE		FINAL WTCHECK	
23:51	23:45	00:10	23:55	23:51		23:46	

LOAD MANIFEST							
PAYLOAD	20400	RMZFW	-21500	TOG CHG	628	LOAD PLANNER	R00018
PAY CHG	600	RMTOG	23127	TOG TOLERANCE	N	RAMP	198569
ALT TYPE		FOB-TAXI	15600	DD FUEL	15600	PILOTS	2
OEW	96345	UNUSEFUEL	0	MINTO FUEL	12700	FLT ATTN	4
PITS	1549	TOG	132373	EXTRA FUEL	2900	OMC/RLF	0
F	3152	MTOG	155500	OBOD FUEL	16100	CJA	0
M	0	REAR	840	DSRD FUEL	0		
R	15727	PCT MAC	19	MAX REAR	5260	WEIGHT RESTRICTION	
ZFW	116773	TRIM	5.2	TCG-REAR	1549	RESTRICTED	N
PLFUEL	0	ZFW MAC		MIN-REAR	0	PASSENGER	N
SCFUEL	0	TAXI	500	PAD	1	CARGO	N
AZFW	138300			DENSITY	6.75	NRSA	N
NOTE 1	B737-824					PLAN WATER	
NOTE 2						ACTUAL WATER	
NOTE 3							

PASSENGER COUNTS							
BOOKED	FINAL	KIDS	LAPS	SOULS	FIRST	MIDDLE	REAR
92	97	1	0	103	16	0	81

FLIGHT PLAN						
FLY WISE	FLT PLAN #	1ST RELEASE	LAST RELEASE	FP ZFW	DISPATCHER	
Y	2	21:27	22:41	116145	ELIZABETH HU	
ALTERNATE1	ALTERNATE2	PLAN FLT TIME	ACTUAL FLT TIME	FLT TIME DEV	CAPTAIN	
		01:49	01:48	00:1E	JR LEWIS	
					DEN	

POST DEPARTURE WEIGHT CHANGE				
WEIGHT CHANGE?	FINAL WEIGHTS	TOGW	REASON	REMARKS
N	23:46	132373		
CREW ADVISED	REVISED WEIGHTS	TOGW	TOGW CHANGE	
			0	

CARGO	
HAZMAT	
LIVE ANIMAL	N
BOARDED F	10
BOARDED Q	0
BOARDED X	0
BOARDED M	0
BOARDED A	0
BOARDED PS	9
BOARDED SA	0
BAG WEIGHT	1530
READY TIME	22:35
LAST DSTG ITEM	21:39
READY PAYLOAD	19300

BAGGAGE	
FINAL BAGS	50
BAG TAGS	52
HEAVY TAGS	1
PCT HEAVY	2
LOCAL	30
TRANSFER	22
PLAN BPR	0.66
FINAL BPR	0.52

FUEL INFORMATION	
VENDOR	ASIG..
CREW REPORTED	16300
TOTAL FUEL FORM	16100
DEVIATION	200
FLT PLAN	15600
REV FLT PLAN	16100
ARRIVAL PLAN	6400
REV ARV	6400
ACTUAL ARRIVAL	5900