

American Airlines Schedule v02

This schedule was designed with FS2004 but should be mostly OK for FS98, FS2000, and FS2002. If a Navaid is "missing" check whether it has a different frequency. If not, fly with Dead Reckoning until the next Waypoint. Note that the reception range of a Navaid may vary from one FS Version to another. Again, use Dead Reckoning.

Pilots must determine proper altitudes, appropriate Runways, and Field Elevations.

Use "Real Weather" with all flights.

NOTE: If "DR" appears in a flight description below, fly the suggested course using Dead Reckoning until you receive the Navaid signal from ahead or sight the airport.

Please Email us if a difference is noted from the schedule details and we will post it on the NOTAMS Page.

**Table 1
Boston to Los Angeles, San Diego, and San Francisco**

3294 NM					
Flight	NM	From	To	Description	From-To
aa_001	175	Boston	New York	Dep Boston 250deg to PUT VOR, 117.4; to HVN VOR, 109.8; to LGA VOR, 113.1; then to 260deg to Land New York, the Newark Terminal.	KBOS-KEWR
aa_002	142	Providence	New York	Dep Providence 245deg to TMU VOR, 110.85; to CCC VOR, 117.2; to FR NDB, 407.0; to LG NDB, 332.0; then 276deg to Land New York, the Newark Terminal.	KPVD-KEWR
aa_003	95	Hartford	New York	Dep Hartford 250deg to CMK VOR, 16.6; to HP NDB, 281.0; to LS NDB, 241.0; then 220deg to Land New York, the Newark Terminal.	KHFD-KEWR
aa_004	54	New York	Philadelphia	Dep New York, the Newark Terminal, 245deg to ARD VOR, 108.2; then 215deg to Land Philadelphia.	KEWR-KPNE
aa_005	82	Philadelphia	Baltimore	Dep Philadelphia 240deg to DQO VOR, 114.0; to PPM VOR, 108.4; to MTN NDB, 342.0; then 325deg to Land Baltimore, Martin State Airport.	KPNE-KMTN
aa_006	41	Baltimore	Washington	Dep Baltimore 230deg to MX NDB, 232.0; then 250deg to Land Washington National Airport.	KMTN-KDCA

aa_007	300	Washington	Tri-Cities	Dep Washington National 235deg to GVE VOR, 115.6; to MOL VOR, 115.3; to ROA VOR, 109.4; to MK NDB, 335.0; to VJ NDB, 236.0; to TR NDB, 299; then 225deg to Land Tri-Cities Airport, Bristol-Johnson City-Kingsport.	KDCA–KTRI
aa_008	81	Tri-Cities	Knoxville	Dep Tri-Cities 235deg to DYQ NDB, 263.0; to JXT NDB, 346.0; then 250deg to Land Knoxville.	KTRI–KDKX
aa_009	155	Knoxville	Nashville	Dep Knoxville 260deg to HCH VOR, 117.6; to RN NDB, 209.0; to BN NDB, 304.0; then 320deg to Land Nashville.	KDKX–KJWN
aa_010	178	Nashville	Memphis	Dep Nashville 235deg to GHM VOR, 111.6; to JKS VOR, 109.4; to MK NDB, 394.0; then DR 252deg course to MIG NDB, 232.0; to AWM NDB, 362.0 on Field; Land West Memphis Airport.	KJWN–KAWM
aa_011	110	Memphis	Little Rock	Dep West Memphis 245deg to FCY NDB, 332.0; to BKZ NDB, 242.0; to LIT VOR, 113.9; then 335deg, 10 DME to Land Little Rock.	KAWM–1M1
aa_012	272	Little Rock	Dallas	Dep Little Rock 240deg to HOT VOR, 110.0; to TXK VOR, 116.3; then DR 250deg course to SLR VOR, 109.0; to SYW NDB, 428.0; to PQF NDB, 248.0; to LV NDB, 275.0; then 310deg to Land Dallas Love Field.	1M1–KDAL
aa_013	27	Dallas	Ft. Worth	Dep Dallas Love Field 245deg to PK NDB, 233.0; then 267deg to Land Ft Worth Meacham Field.	KDAL–KFTW
aa_014	129	Ft. Worth	Abilene	Dep Ft Worth Meacham 255deg to MQP VOR, 117.7; then DR 237deg course to OIP NDB, 410.0; then DR 254deg course to AB NDB, 353.0; then 350deg to Land Abilene.	KFTW–KABI
aa_015	103	Abilene	Big Spring	Dep Abilene 285deg to ABI VOR, 113.7; to SWW NDB, 275.0; to BGS VOR, 114.3; then 180deg 10 DME to Land Big Spring.	KABI–T49
aa_016	252	Big Spring	El Paso	Dep Big Spring 240deg to MAF VOR, 114.8; to INK VOR, 112.1; DR 256deg course to SFL VOR, 113.0; to ELP VOR, 115.2; then 150deg to Land El Paso, West Texas Airport.	T49–T27
aa_017	183	El Paso	Douglas	Dep El Paso, West Texas Airport DR 264deg course to CUS VOR, 111.2; DR 248deg course to DUG VOR, 108.8; then 135deg 9 DME to Land Douglas Airport.	T27–KDGL
aa_018	99	Douglas	Tucson	Dep Douglas Airport 280deg to FHU VOR, 111.6; DR 296deg course to RYN NDB, 338.0 on Field; Land Tucson Airport.	KDGL–KRYN
aa_019	75	Tucson	Phoenix	Dep Tucson 340deg to AVQ NDB, 245.0; then DR 325deg course to IWA VOR, 113.3 on Field; Land Phoenix.	KRYN–KIWA
aa_020	343	Phoenix	Los Angeles	Dep Phoenix DR 266deg to BXK VOR, 110.6; to BLH VOR, 117.4; DR 268deg course to PSP VOR, 115.5; to PDZ VOR, 112.2; to LAX VOR, 113.6; on Field; Land Los Angeles.	KIWA–KLAX

aa_021	300	Los Angeles	San Francisco	Dep Los Angeles 322deg to GMN VOR, 116.1; to AVE VOR, 117.1; KLAX–KSFO to ROM VOR, 110.0; to SNS VOR, 117.3; to OSI VOR, 113.9; to SFO VOR, 115.8; on Field; Land San Francisco.
aa_022	98	Los Angeles	San Diego	Dep Los Angeles 117deg to OCN VOR, 115.3; to AN NDB, 245.0; KLAX–KSAN Land San Diego.

Table 2
San Francisco and Los Angeles to New York

2963	NM				
Flight	NM	From	To	Description	From–To
aa_023	309	San Francisco	Los Angeles	Dep San Francisco 146deg to OSI VOR, 113.9; DR 327deg course to PDG NDB, 327.0; to MR NDB, 385.0; to BSR VOR, 114.0; to PRB VOR, 114.3; to FLW VOR, 117.5; DR 118deg course to FIM VOR, 112.5; to LAX VOR, 113.6; on Field; Land Los Angeles.	KSFO–KLAX
aa_024	344	Los Angeles	Phoenix	Dep Los Angeles 101deg to ELB VOR, 117.2; to TRM VOR, 116.2; to BLH VOR, 117.4; to B XK VOR, 110.6; DR 090deg course to CHD NDB, 407.0; to IWA VOR, 113.3, on Field; Land Phoenix.	KLAX–KIWA
aa_025	76	Phoenix	Tucson	Dep Phoenix 145deg to AVQ NDB, 245.0; to RYN NDB, 338.0, on Field; Land Tucson.	KIWA–KRYN
aa_026	99	Tucson	Douglas	Dep Tucson 090deg to TUS VOR, 116.0; DR 107deg to DUG VOR, 108.8; then 135deg, 9 DME and Land Douglas.	KRYN–KDGL
aa_027	170	Douglas	El Paso	Dep Douglas 070deg to CJS VOR, 116.7; then 050deg and 10 DME, Land El Paso.	KDGL–T27
aa_028	246	El Paso	Big Spring	Dep El Paso 090deg to HUP VOR, 115.0; to INK VOR, 112.1; to MAF VOR, 114.8; then 061deg and 36 DME Land Big Spring.	T27–T49
aa_029	96	Big Spring	Abilene	Dep Big Spring and DR 066deg to SWW NDB, 275.0; to ABI VOR, 113.7; then 105deg and 10 DME to Land Abilene.	T49–KABI
aa_030	120	Abilene	Ft Worth	Dep Abilene 070deg to MQP VOR, 117.7; DR 078deg to FWH DME, 108.7 (no directional info here); then 047deg and 4 DME Land Ft Worth, Meacham.	KABI–KFTW
aa_031	26	Ft Worth	Dallas	Dep Ft Worth 085deg to PK NDB, 233.0; then 065deg to Land Dallas.	KFTW–KDAL

aa_032	171	Dallas	Oklahoma City	Dep Dallas 320deg to DT NDB, 257.0; to GLE NDB, 330.0; to AUV NDB, 284.0; to PVJ NDB, 384.0; to OUN NDB, 260.0; to PWA VOR, 113.4, on Field; Land Oklahoma City.	KDAL–KPWA
aa_033	93	Oklahoma City	Tulsa	Dep Oklahoma City DR 068deg to CQB NDB, 396.0; to TZO NDB, 251.0; to GNP VOR, 110.6; then 345deg and 7 DME to Land Tulsa.	KPWA–KRVS
aa_034	303	Tulsa	St. Louis	Dep Tulsa 050deg to EOS VOR, 117.3; to SGF VOR, 116.9; to IEB NDB, 414.0; to BHN NDB, 391.0; to UBX NDB, 380.0; to UUV NDB, 356.0; to SU NDB, 326.0; then 074deg and Land St. Louis.	KRVS–KSUS
aa_035	231	St. Louis	Chicago	Dep St Louis 030deg to STL VOR, 117.4; to CAP VOR, 112.7; to BMI VOR, 108.2; to PNT VOR, 109.6; to DTG NDB, 344.0; DR 038deg to HK NDB, 332.0; then 045deg to Land Chicago Midway.	KSUS–KMDW
aa_036	223	Chicago	Detroit	Dep Chicago 125deg to GY NDB, 236.0; to GIJ VOR, 115.4; to HAI NDB, 407.0; to JXN VOR, 109.6; to SVM VOR, 114.3; then 095deg and 25 DME to Land Detroit.	KMDW–KDET
aa_037	198	Detroit	Buffalo	Dep Detroit 140deg to QG NDB, 353.0; to 4L NDB, 236.0; to YQO VOR, then track to BUF VOR, 116.4; and at 4.9 DME left to 051deg Land Buffalo.	KDET–KBUF
aa_038	258	Buffalo	New York	Dep Buffalo 155deg to ELZ VOR, 111.4; to SFK VOR, 108.6; to FQM VOR, 114.4; to LVZ VOR, 111.6; DR 132deg to CAT NDB, 254.0; then 115deg 12 NM and Land New York, the Newark Terminal.	KBUF–KEWR

Table 3
Boston to Chicago

1676 NM

Flight	NM	From	To	Description	From–To
aa_039	43	Boston	Providence	Dep Boston, 215deg to OW NDB, 397.0; to AR NDB, 356.0; then 230deg to Land Providence.	KBOS–KPVD
aa_040	58	Providence	Hartford	Dep Providence, 280deg to HFD VOR, 114.9; then 335deg to Land Hartford.	KPVD–KHFD
aa_041	95	Hartford	New York	Dep Hartford 250deg to CMK VOR, 16.6; to HP NDB, 281.0; to LS NDB, 241.0; then 220deg to Land New York, the Newark Terminal.	KHFD–KEWR

aa_042	69	Boston	Springfield	Dep Boston 275deg to EK NDB; to CEF VOR on field, 114.0; and Land Springfield	KBOS–KCEF
aa_043	118	Springfield	New York	Dep Springfield 230deg to TBY NDB, 257.0; to HP NDB, 281.0; to TE NDB, 214.0; then 205deg to Land New York, the Newark Terminal.	KCEF–KEWR
aa_044	246	New York	Buffalo	Dep New York, the Newark Terminal, 320deg to LHY VOR, 110.8; to ULW VOR, 109.65; to BUF VOR, 116.4; then 290deg to Land Buffalo.	KEWR–KBUF
aa_045	197	Buffalo	Detroit	Dep Buffalo 270deg to YQO VOR, 114.2; to 4L NDB, 236.0; to VQ NDB, 230.0; then 330deg to Land Detroit.	KBUF–KDET
aa_046	101	Detroit	Battle Creek	Dep Detroit 275deg to SVM VOR, 114.3; to JXN VOR, 109.6; to BTL VOR on field, 109.4; and Land Battle Creek.	KDET–KBTL
aa_047	61	Battle Creek	South Bend	Dep Battle Creek 240deg to GIJ VOR, 115.4; then 185deg to Land South Bend.	KBTL–KSBN
aa_048	70	South Bend	Chicago	Dep South Bend 270deg to MGC NDB, 203.0; to GY NDB, 236.0; to MX NDB, 248.0; then 315deg to Land Chicago, Midway.	KSBN–KMDW
aa_245	618	New York	Chicago	Dep New York, Newark Terminal 297deg to CAT NDB, 254.0, climbing to 6500 ft. Then LQX NDB, 339.0; to PSB VOR, 115.50; DR 286deg to YN NDB, 338.0; DR 284deg to CL NDB, 344.0; DR 291deg to PCW NDB, 423.0; DR 281deg to USE NDB, 375.0; DR 276deg to ANQ NDB, 347.0; DR 278deg to SB NDB, 341.0; to MGC NDB, 203.0; to MX NDB, 248.0; then 315deg for 4 NM, Land Chicago, Midway. Note: This is a four-hour flight before the affects of any winds. (Timetable shows 4:35 gate to gate.)	KEWR–KMDW

Table 4
Chicago to New York and Boston

977	NM				
Flight	NM	From	To	Description	From–To
aa_049	223	Chicago	Detroit	Dep Chicago 125deg to GY NDB, 236.0; to GIJ VOR, 115.4; to HAI NDB, 407.0; to JXN VOR, 109.6; to SVM VOR, 114.3; then 095deg and 25 DME to Land Detroit.	KMDW–KDET
aa_050	198	Detroit	Buffalo	Dep Detroit 140deg to QG NDB, 353.0; to 4L NDB, 236.0; to YQO VOR, then track to BUF VOR, 116.4; and at 4.9 DME left to 051deg Land Buffalo.	KDET–KBUF

aa_051	50	Buffalo	Rochester	Dep Buffalo DR 095deg to AVN NDB, 344; then 044deg and 7 NM to Land Rochester.	KBUF–KROC
aa_052	74	Rochester	Syracuse	Dep Rochester DR 092deg to FZ NDB, 220.0; then 153deg and 13 NM to Land Syracuse.	KROC–KSYR
aa_053	108	Syracuse	Scranton	Dep Syracuse DR 183deg to BG NDB, 332.0; then track 46NM to LVZ VOR, 111.6; Land Wilkes-Barre_Scranton.	KSYR–KAVP
aa_054	81	Scranton	New York	Dep Wilkes-Barre-Scranton 130deg to STW VOR, 109.6; to CAT NDB, 254.0; then 117deg and 12 NM to Land New York, the Newark Terminal.	KAVP–KEWR
aa_055	171	Syracuse	Springfield	Dep Syracuse 108deg to CJY NDB, 275.0; to JJH NDB, 523.0; to HEU NDB, 356.0; DR 138deg to DXT NDB, 370.0; to BA NDB, 230.0; then 127deg and 8 NM to Land Springfield.	KSYR–KCEF
aa_056	72	Springfield	Boston	Dep Springfield 099deg to EK NDB, 417.0; to BO NDB, 375.0; then 035deg and 5 NM to Land Boston.	KCEF–KBOS

Table 5
Boston and New York to Buffalo and Cleveland

956	NM				
Flight	NM	From	To	Description	From–To
aa_057	69	Boston	Springfield	Dep Boston 275deg to EK NDB; to CEF VOR on field, 114.0; and Land Springfield	KBOS–KCEF
aa_058	170	Springfield	Syracuse	Dep Springfield 314deg to DXT NDB, 370.0; DR 318deg tp HEU NDB, 356.0; DR 295deg to CJY NDB, 275.0; to SY NDB, 242.0; then 4 NM and Land Syracuse.	KCEF–KSYR
aa_059	69	Syracuse	Rochester	Dep Syracuse DR 282deg, 63 NM to RO NDB, then 4 NM and Land Rochester.	KSYR–KROC
aa_060	49	Rochester	Buffalo	Dep Rochester DR 271deg to BU NDB, 231.0, then 235deg, 5 NM and Land Buffalo.	KROC–KBUF
aa_061	82	Buffalo	Erie	Dep Buffalo 233deg to GB NDB, 204.0; then follow South shore of Lake Erie until CQD NDB, 372.0 received, then direct to CQD, and 243deg and 3 NM to Land Erie.	KBUF–KERI
aa_062	76	Erie	Cleveland	Dep Erie 242deg to ER NDB, 349.0; then follow South shore of Lake Erie until LQL NDB, 263.0 received, then direct to LQL; then to BKL NDB, 416.0; and Land Burke Lakefront Airport, Cleveland.	KERI–KBKL

aa_063	82	New York	Scranton	Dep New York, the Newark Terminal, 312deg to STW VOR, 109.6; KEWR–KAVP to LVZ VOR, 111.60; then 348deg and 4 NM to Land Wilkes-Barre_Scranton.
aa_064	113	Scranton	Syracuse	Dep Wilkes-Barre Scranton DR 003deg to BG NDB, 332.0; to GGT KAVP–KSYR VOR, 117.8; to SY NDB, 242.0; then 282deg to Land Syracuse.
aa_065	246	New York	Buffalo	Dep New York, the Newark Terminal, 320deg to LHY VOR, 110.8; KEWR–KBUF to ULW VOR, 109.65; to BUF VOR, 116.4; then 290deg to Land Buffalo.

Table 6
Washington to New York to Boston

562	NM				
Flight	NM	From	To	Description	From–To
aa_066	121	Washington	Philadelphia	Dep Washington 053deg to FME NDB, 353.0; to MTN NDB, 342.0; KDCA–KPNE to IL NDB, 248.0; to PNE VOR, 112.0; on field, Land Philadelphia.	
aa_067	54	Philadelphia	New York	Dep Philadelphia DR 062deg to EW NDB, 241.0; then 038deg and 6 NM Land New York, the Newark Terminal.	KPNE–KEWR
aa_068	96	New York	Hartford	Dep New York, the Newark Terminal 071deg to UR NDB, 385.0; KEWR–KHFD DR 059deg to OX NDB, 362.0; to HF NDB, 244.0; then 004deg for 6 NM and Land Hartford.	
aa_069	58	Hartford	Providence	Dep Hartford DR 111deg to PV NDB, 335.0; then 047deg for 5 NM and Land Providence.	KHFD–KPVD
aa_070	43	Providence	Boston	Dep Providence DR 043deg to BO NDB, 375.0; then 035deg for 5 NM and Land Boston.	KPVD–KBOS
aa_071	118	New York	Springfield	Dep New York, the Newark Terminal 047deg to HP NDB, 281.0; to KEWR–KCEF TBY NDB, 257.0; to CEF VOR, 114.0; on field, Land Springfield.	
aa_072	72	Springfield	Boston	Dep Springfield 099deg to EK NDB, 417.0; to BO NDB, 375.0; then 035deg and 5 NM to Land Boston.	KCEF–KBOS

Table 7
Washington to New York

177	NM				
Flight	NM	From	To	Description	From–To

aa_073	43	Washington	Baltimore	Dep Washington National DR 059deg to MTN NDB, 342.0; Land Baltimore.	KDCA–KMTN
aa_074	80	Baltimore	Philadelphia	Dep Baltimore DR 071deg to DQO VOR, 114.0; to PNE VOR, 112.0; on field Land Philadelphia	KMTN–KPNE
aa_075	54	Philadelphia	New York	Dep Philadelphia DR 062deg to EW NDB, 241.0; then 038deg and 6 NM Land New York, the Newark Terminal.	KPNE–KEWR

Table 8
Chicago to Boston

Flight	NM	From	To	Description	From–To
aa_076	137	Chicago	Indianapolis	Dep Chicago Midway DR 154deg to RZL NDB, 362.0; DR 146deg to FKR NDB, to UMP NDB, 338.0; on field, Land Indianapolis.	KMDW–KUMP
aa_077	98	Indianapolis	Cincinnati	Dep Indianapolis 137deg to HLB NDB, 254.0; to CVG VOR, 117.3; then track 067deg towards LUK NDB, 335.0 and Land Cincinnati.	KUMP–KLUK
aa_078	98	Cincinnati	Huntington	Dep Cincinnati DR 114deg to AMT NDB, 359.0; DR 127deg to HT NDB, 226.0; then 118deg for 4 NM, Land Huntington.	KLUK–KHTS
aa_079	46	Huntington	Charleston	Dep Huntington 096deg to HVQ VOR, 117.4; then 085deg for 8 NM, Land Charleston.	KHTS–KCRW
aa_080	87	Charleston	Elkins	Dep Charleston DR 073deg to JTM NDB, 234.0; DR 078deg to RQY NDB, 284.0; on field, Land Elkins.	KCRW–KEKN
aa_081	132	Elkins	Washington	Dep Elkins DR 100deg to LDN VOR, 114.30; DR 100deg to IA NDB, 346.0; to DCA VOR, 111.0; on field, Land Washington.	KEKN–KDCA
aa_082	43	Washington	Baltimore	Dep Washington National DR 059deg to MTN NDB, 342.0; Land Baltimore.	KDCA–KMTN
aa_083	80	Baltimore	Philadelphia	Dep Baltimore DR 071deg to DQO VOR, 114.0; to PNE VOR, 112.0; on field Land Philadelphia	KMTN–KPNE
aa_084	54	Philadelphia	New York	Dep Philadelphia DR 062deg to EW NDB, 241.0; then 038deg and 6 NM Land New York, the Newark Terminal.	KPNE–KEWR
aa_085	176	New York	Boston	Depart New York, the Newark Terminal 100deg to BDR VOR, 108.8; to PUT VOR, 117.4; DR 077deg to BO NDB, 375.0; then 035deg and 5 NM Land Boston.	KEWR–KBOS

Table 9
San Francisco and Los Angeles to New York

3015 NM

Flight	NM	From	To	Description	From-To
aa_086	309	San Francisco	Los Angeles	Dep San Francisco 146deg to OSI VOR, 113.9; DR 327deg course to PDG NDB, 327.0; to MR NDB, 385.0; to BSR VOR, 114.0; to PRB VOR, 114.3; to FLW VOR, 117.5; DR 118deg course to FIM VOR, 112.5; to LAX VOR, 113.6; on Field; Land Los Angeles.	KSFO-KLAX
aa_087	344	Los Angeles	Phoenix	Dep Los Angeles 101deg to ELB VOR, 117.2; to TRM VOR, 116.2; to BLH VOR, 117.4; to B XK VOR, 110.6; DR 090deg course to CHD NDB, 407.0; to IWA VOR, 113.3, on Field; Land Phoenix.	KLAX--KIWA
aa_088	76	Phoenix	Tucson	Dep Phoenix 145deg to AVQ NDB, 245.0; to RYN NDB, 338.0, on Field; Land Tucson.	KIWA-KRYN
aa_089	255	Tucson	El Paso	Dep Tucson 090deg to TUS VOR, 116.0; to CIE VOR, 115.8; DR 085deg to CUS VOR, 111.2; to CJS VOR, 116.7; then 052deg for 10 NM and Land El Paso.	KRYN-T27
aa_090	462	El Paso	Ft. Worth	Dep El Paso 076deg to INK VOR, to ABI VOR, 113.7; to MQP VOR, 117.7; to FT NDB, 365.0; then 166deg for 4 NM, Land Ft Worth.	T27-KFTW
aa_091	26	Ft Worth	Dallas	Dep Ft Worth 085deg to PK NDB, 233.0; then 065deg to Land Dallas.	KFTW-KDAL
aa_092	258	Dallas	Little Rock	Dep Dallas DR 054deg to PRX VOR, 113.6; DR 055deg to DEQ NDB, 281.0; DR 065deg to HO NDB, 385.0; DR 068deg to LI NDB, 353.0; then 045deg for 5 NM and Land Little Rock.	KDAL-KLIT
aa_093	102	Little Rock	Memphis	Dep Little Rock DR 077deg to BKZ NDB. 242.0; DR 069deg to AWM NDB, 362.0; on field, Land Memphis.	KLIT-KAWM
aa_094	178	Memphis	Nashville	Dep Memphis DR 083deg to FYE NDB, 255.0; to JKS VOR, 109.4; to GHM VOR, 111.6; then DR 053deg for 31 NM and Land Nashville.	KAWM-KJWN
aa_095	137	Nashville	Louisville	Dep Nashville DR 026deg to BW NDB, 236.0; DR 023deg to FTK VOR, 109.6; fly 5 NM past new Int'l Airport to BQM VOR, 112.2; on field, Land Louisville.	KJWN-KLOU
aa_096	79	Louisville	Cincinnati	Dep Louisville DR 099deg for 78 NM towards LUK NDB, 335.0; 14 DME past CVG VOR, 117.3; land Cincinnati.	KLOU-KLUK
aa_097	33	Cincinnati	Dayton	Dep Cincinnati 013deg to MW NDB, 223.0; then 086deg and 4 NM Land Dayton.	KLUK-KMGY
aa_098	55	Dayton	Columbus	Dep Dayton 078deg to BU NDB, 230.0; then 037deg and 5NM Land Columbus.	KMGY-KTZR

aa_099	118	Columbus	Cleveland	Dep Columbus 042deg to CB NDB, 272.0; DR 036deg to MF NDB, 372.0; to AAU NDB, 329.0; DR 043deg to EZE NDB, then 052deg, 2 NM and Land Burke Lakefront Airport, Cleveland.	KTZR–KBKL
aa_100	344	Cleveland	New York	Dep Cleveland 105deg to ETG VOR, 116.0; DR 110deg to MIP VOR, 109.2; to HXM NDB, 366.0; to BWZ VOR, 114.2; to CAT NDB, 254.0; then 117deg for 12 NM, Land New York, the Newark Terminal.	KBKL–KEWR
aa_101	80	Cleveland	Detroit	Dep Cleveland 317deg to YQG VOR, 113.8; to VQ NDB, 230.0; then 328deg for 4 NM, Land Detroit.	KBKL–KDET
aa_102	76	Cleveland	Erie	Dep Cleveland 065deg, follow South Shore of Lake Erie to ER NDB, 349.0; then 062deg and 4 NM, Land Erie.	KBKL–KERI
aa_103	83	Erie	Buffalo	Dep Erie 066deg, follow South Shore of Lake Erie to GB NDB, 204.0; then 052deg and 5 NM, Land Buffalo.	KERI–KBUF

Table 10
Nashville to Washington and New York

740	NM				
Flight	NM	From	To	Description	From–To
aa_104	137	Nashville	Louisville	Dep Nashville DR 026deg to BW NDB, 236.0; DR 023deg to FTK VOR, 109.6; fly 5 NM past new Int'l Airport to BQM VOR, 112.2; on field, Land Louisville.	KJWN–KLOU
aa_105	79	Louisville	Cincinnati	Dep Louisville DR 099deg for 78 NM towards LUK NDB, 335.0; 14 DME past CVG VOR, 117.3; land Cincinnati.	KLOU–KLUK
aa_106	348	Cincinnati	Washington	Dep Cincinnati 105deg to HNN VOR, 115.9; DR 091deg to EKN VOR, 114.2; DR 101deg to LDN VOR, 114.3; to DCA VOR, 111.0; on field, Land Washington National.	KLUK–KDCA
aa_107	176	Washington	New York	Dep Washington National 055deg to FME NDB, 353.0; to MTN NDB, 342.0; to DQO VOR, 114.0; to RBV NDB, 113.8; to EW NDB, 241.0; then 038deg and 6 NM, Land New York, the Newark Terminal.	KDCA–KEWR

Table 11
Montreal to New York and Washington

472	NM				
Flight	NM	From	To	Description	From–To

aa_108	65	Montreal	Burlington	Dep Montreal 175deg to BT NDB, 382.0; then 147deg and 5 NM, Land Burlington.	CYUL–KBTV
aa_109	233	Burlington	New York	Dep Burlington DR 210deg to GFL VOR, 110.2; to AL NDB, 219.0; DR 201deg to SKU NDB, 261.0; DR 194deg to TEB VOR, then 220deg for 10 NM, Land New York, the Newark Terminal.	KBTV–KEWR
aa_110	174	New York	Washington	Dep New York, the Newark Terminal 244deg to ARD VOR, 108.2; to DQO VOR, 114.0; to BAL VOR, 115.1; to DCA VOR, 111.0; on field, Land Washington National.	KEWR–KDCA

Table 12
Seattle to Minneapolis (Twin Cities) to Washington

3872	NM				
Flight	NM	From	To	Description	From–To
aa_111	106	Vancouver	Seattle	Dep Vancouver 146deg to OPZ NDB, 356.0; DR 136deg to SZ NDB, 281.0; on field, Land Seattle.	CYVR–KBFI
aa_112	206	Seattle	Spokane	Dep Seattle 074deg to EPH VOR, 112.6; to GEG VOR, 115.5; to SFF NDB, 365.0; on field, Land Spokane.	KBFI–KSFF
aa_113	1027	Spokane	Minneapolis	Dep Spokane 083deg to MLP VOR, 117.8; to PLS NDB, 275.0; to GTF VOR, 115.1; to LWT VOR, 112.0; to MLS VOR, 112.1; DR 079deg to BKU NDB, 344.0; DR 095deg to HEI NDB, 392.0; to ABR VOR, 113.0; DR 088deg to VVV NDB, 332.0; to MSP VOR, 115.3; then 061deg for 6 NM, Land St Paul Airport.	KSFF–KSTP
aa_114	249	Minneapolis	Milwaukee	Dep St. Paul 130deg to ODI VOR, 117.9; to BAE VOR, 116.4; to LJT VOR, 112.5; on field, Land Milwaukee.	KSTP–KMWC
aa_115	81	Milwaukee	Chicago	Dep Milwaukee 181deg to EN NDB, 389.0; to IA NDB, 414.0; then 173deg for 12 NM, Land Chicago Midway.	KMWC–KMDW
aa_116	473	Spokane	Salt Lake City	Dep Spokane DR 158deg to PUW VOR, 109.0; to DNJ VOR, 116.2; to HLE VOR, 108.8; to MLD VOR, 117.4; DR 150deg to OGD VOR, 115.7; then 099deg for 4 NM, Land Salt Lake City-Ogden Airport.	KSFF–KOGD
aa_117	364	Salt Lake City	Denver	Dep Salt Lake City-Ogden 112deg to MTU VOR, 112.7; to EKR VOR, 115.2; to DEN VOR, 117.9; then 095deg for 5 NM, Land Denver-Frontage Airport.	KOGD–KFTG

aa_118	400	Denver	Omaha	Dep Denver-Frontage 066deg to HCT VOR, 117.7; to CSB NDB, 389.0; to EAR VOR, 111.2; DR 070deg to AUH NDB, 278.0; to JYR NDB, 257.0; DR 069deg to MLE NDB, 371.0; on field, Land Omaha.	KFTG–KMLE
aa_119	381	Omaha	Chicago	Dep Omaha 077deg to DSM VOR, 117.5; to IOW VOR, 116.2; to JOT VOR, 112.3; to HK NDB, 332.0; then 044deg for 4 NM Land Chicago Midway.	KMLE–KMDW
aa_120	137	Chicago	Indianapolis	Dep Chicago Midway DR 154deg to RZL NDB, 362.0; DR 146deg to FKR NDB, to UMP NDB, 338.0; on field, Land Indianapolis.	KMDW–KUMP
aa_121	98	Indianapolis	Cincinnati	Dep Indianapolis 137deg to HLB NDB, 254.0; to CVG VOR, 117.3; then track 067deg towards LUK NDB, 335.0 and Land Cincinnati.	KUMP–KLUK
aa_122	350	Cincinnati	Washington	Dep Cincinnati 105deg to HNN VOR, 115.9; DR 100deg to JTM NDB, 234.0; DR 078deg to RQY NDB, 284.0; DR 100deg to LDN VOR, 114.3; to IA NDB, 346.0; to DCA VOR, 111.0; on field, Land Washington National.	KLUK–KDCA

Table 13

Kansas City and Chicago to New York and Boston

Flight	NM	From	To	Description	From–To
aa_123	352	Kansas City	Chicago	Dep Kansas City 040deg to GPH NDB, 284.0; DR 052deg to CHT NDB, 375.0; to IRK VOR, 114.6; DR 063deg to BRL VOR, to JOT VOR, 112.3; to HK NDB, 332.0; then 044deg for 5 NM Land Chicago Midway.	KMKC–KMDW
aa_124	230	St. Louis	Chicago	Dep St Louis 031deg to CAP VOR, 112.7; DR 036deg to PNT VOR, 109.6; DR 038deg to HK NDB, 332.0; then 044deg for 5 NM, Land Chicago Midway.	KSUS–KMDW
aa_125	223	Chicago	Detroit	Dep Chicago 125deg to GY NDB, 236.0; to GIJ VOR, 115.4; to HAI NDB, 407.0; to JXN VOR, 109.6; to SVM VOR, 114.3; then 095deg and 25 DME to Land Detroit.	KMDW–KDET
aa_126	198	Detroit	Buffalo	Dep Detroit 140deg to QG NDB, 353.0; to 4L NDB, 236.0; to YQO VOR, then track to BUF VOR, 116.4; and at 4.9 DME left to 051deg Land Buffalo.	KDET–KBUF

aa_127	258	Buffalo	New York	Dep Buffalo 155deg to ELZ VOR, 111.4; to SFK VOR, 108.6; to FQM VOR, 114.4; to LVZ VOR, 111.6; DR 132deg to CAT NDB, 254.0; then 115deg 12 NM and Land New York, the Newark Terminal.	KBUF–KEWR
aa_085	176	New York	Boston	Depart New York, the Newark Terminal 100deg to BDR VOR, 108.8; to PUT VOR, 117.4; DR 077deg to BO NDB, 375.0; then 035deg and 5 NM Land Boston.	KEWR–KBOS

Table 14
Boston and New York to the Twin Cities, Seattle, and Vancouver

5390	NM				
Flight	NM	From	To	Description	From–To
aa_129	175	Boston	New York	Dep Boston 250deg to PUT VOR, 117.4; to HVN VOR, 109.8; to LGA VOR, 113.1; then to 260deg to Land New York, the Newark Terminal.	KBOS–KEWR
aa_130	290	Montreal	New York	Dep Montreal DR 210deg to SL NDB, 395.0; DR 200deg to JJH NDB, 523.0; DR 190deg to SW NDB, 335.0; to PNJ NDB, 347.0; to LS NDB, 241.0; then 219deg for 6 NM, Land New York, the Newark Terminal.	CYUL–KEWR
aa_131	246	New York	Buffalo	Dep New York, the Newark Terminal, 320deg to LHY VOR, 110.8; to ULW VOR, 109.65; to BUF VOR, 116.4; then 290deg to Land Buffalo.	KEWR–KBUF
aa_132	197	Buffalo	Detroit	Dep Buffalo 270deg to YQO VOR, 114.2; to 4L NDB, 236.0; to VQ NDB, 230.0; then 330deg to Land Detroit.	KBUF–KDET
aa_133	219	Detroit	Chicago	Dep Detroit DR 270deg to JX NDB, 212.0; DR 261deg to AZ NDB, 371.0; DR 248deg to MGC NDB, 203.0; DR 274deg to MX NDB, 248.0; then 315deg for 4 NM, Land Chicago Midway.	KDET–KMDW
aa_134	387	Chicago	Omaha	Dep Chicago Midway to BDF VOR, 114.7; to MZV VOR, 114.4; to AWG NDB, DR 268deg to OXV NDB, 284.0; DR 268deg to GFZ NDB, 338.0; to OVR VOR, 116.3; to MLE NDB, 371.0; on field, Land Omaha.	KMDW–KMLE
aa_135	395	Omaha	Denver	Dep Omaha DR 256deg to GRI VOR, 112.0; to HCT VOR, 117.7; to AKO VOR, 114.4; DR 239deg to FT NDB, 321.0; then 254deg for 5 NM, Land Denver Frontage.	KMLE–KFTG
aa_136	373	Denver	Salt Lake City	Dep Denver 267deg to RLG VOR, 113.8; to MTU VOR, 112.7; to TCH VOR, 116.8; then DR 342deg for 21 NM, Land Salt Lake City-Ogden. Do not land at Hill AFB!	KFTG–KOGD

aa_137	470	Salt Lake City	Spokane	Dep Salt Lake City 327deg to MLD VOR, 117.4; to HLE VOR, 108.8; to DNJ VOR, 116.2; DR 326deg to MQG VOR, 108.2; DR 328deg to SFF NDB, 365.0; on field, Land Spokane.	KOGD-KSFF
aa_138	566	Salt Lake City	Portland	Dep Salt Lake City 262deg to LCU VOR, 113.6; DR 277deg to REO VOR, 112.50; to DSD VOR, 117.6; to UBG VOR, 117.4; then 347deg for 11 NM, Land Portland.	KOGD-KHIO
aa_139	123	Portland	Seattle	Dep Portland 353deg to SEA VOR, 116.8; to SZ NDB, 281.0; on field, Land Seattle.	KHIO-KBFI
aa_140	81	Chicago	Milwaukee	Dep Chicago Midway 353deg to IA NDB, 414.0; to UG NDB, 379.0; to MK NDB, 410.0; to LJT VOR, 112.50, on field, Land Milwaukee	KMDW-KMWC
aa_141	58	Milwaukee	Madison	Dep Milwaukee 273deg to BAE VOR, 116.4; to MSN VOR, 108.60; on field, Land Madison.	KMWC-KMSN
aa_142	146	Madison	Rochester	Dep Madison 285deg to LNR VOR, 112.8; DR 286deg to CHU NDB, 209.0; DR 290deg to RS NDB, 329.0; then 307deg for 5 NM to Land Rochester.	KMSN-KRST
aa_143	69	Rochester	Minneapolis	Dep Rochester DR 348deg to RG NDB, 262.0; to BA NDB, 385.0; then 322deg for 5 NM and Land Minneapolis-St. Paul.	KRST-KSTP
aa_144	203	Minneapolis	Fargo	Dep Minneapolis-St Paul 300deg to AXN VOR, 112.8; to FAR VOR, 116.2; then track to AA NDB, 365.0; for 10 NM, Land Fargo.	KSTP-KFAR
aa_145	190	Fargo	Winnipeg	Dep Fargo 348deg to HML VOR, 112.4; DR 352deg to H NDB, 236.0; to AV NDB, 275.0; on field, Land Winnipeg.	KFAR-C
aa_146	493	Fargo	Billings	Dep Fargo DR 263deg to JMS VOR, DR 254deg to BIS VOR, 116.5; to DIK VOR, 112.9; to MLS VOR, 112.1; then track to 5 NM before BIL VOR, 114.5; Land Billings.	KFAR-KBIL
aa_147	166	Billings	Butte	Dep Butte 256deg to HIA VOR, 113.7; then 276deg for 15 NM, Land Butte.	KBIL-KBTM
aa_148	230	Butte	Spokane	Dep Butte 288deg to MLP VOR, 117.8; to COE VOR, 108.8; to sff NDB, 365.0; on field, Land Spokane.	KBTM-KSFF
aa_149	205	Spokane	Seattle	Dep Spokane 240deg to EPH VOR, 112.6; to EAT VOR, 111.0; DR 256deg to SZ NDB, 281.0; on field, Land Seattle.	KSFF-KBFI
aa_150	108	Seattle	Vancouver	Dep Seattle 318deg to CVV VOR, 117.2; DR 326deg to VR NDB, 266.0; then track 5 NM towards ZVR NDB, 368.0; Land Vancouver, British Columbia.	KBFI-CYVR

Table 15
San Francisco and Los Angeles to Miami

Flight	NM	From	To	Description	From-To
aa_151	309	San Francisco	Los Angeles	Dep San Francisco 146deg to OSI VOR, 113.9; DR 327deg course to PDG NDB, 327.0; to MR NDB, 385.0; to BSR VOR, 114.0; to PRB VOR, 114.3; to FLW VOR, 117.5; DR 118deg course to FIM VOR, 112.5; to LAX VOR, 113.6; on Field; Land Los Angeles.	KSFO-KLAX
aa_152	344	Los Angeles	Phoenix	Dep Los Angeles 101deg to ELB VOR, 117.2; to TRM VOR, 116.2; to BLH VOR, 117.4; to B XK VOR, 110.6; DR 090deg course to CHD NDB, 407.0; to IWA VOR, 113.3, on Field; Land Phoenix.	KLAX--KIWA
aa_153	76	Phoenix	Tucson	Dep Phoenix 145deg to AVQ NDB, 245.0; to RYN NDB, 338.0, on Field; Land Tucson.	KIWA-KRYN
aa_154	255	Tucson	El Paso	Dep Tucson 090deg to TUS VOR, 116.0; to CIE VOR, 115.8; DR 085deg to CUS VOR, 111.2; to CJS VOR, 116.7; then 052deg for 10 NM and Land El Paso.	KRYN-T27
aa_155	462	El Paso	Ft. Worth	Dep El Paso 076deg to INK VOR, to ABI VOR, 113.7; to MQP VOR, 117.7; to FT NDB, 365.0; then 166deg for 4 NM, Land Ft Worth.	T27-KFTW
aa_091	26	Ft Worth	Dallas	Dep Ft Worth 085deg to PK NDB, 233.0; then 065deg to Land Dallas.	KFTW-KDAL
aa_157	80	Dallas	Tyler	Dep Dallas 094deg to AVZ NDB; DR 112deg to TY NDB, 320.0; then 132deg for 5 NM, Land Tyler.	KDAL-KTYR
aa_158	85	Tyler	Shreveport	Dep Tyler 078deg to GGG VOR, 112.3; DR 078deg to SH NDB, 230.0; then 066deg for 7 NM, Land Shreveport.	KTYR-KDTN
aa_159	90	Shreveport	Monroe	Dep Shreveport 071deg to MNE NDB, 201.0; to ROQ NDB, 368.0; to ML NDB, 219.0; then 041deg for 4 NM, Land Monroe.	KDTN-KMLU
aa_160	95	Monroe	Jackson	Dep Monroe 111deg to MRK NDB, 338.0; DR 101deg to TV NDB, 344.0; to RYB NDB, 375.0; then 076deg for 9 NM, Land Jackson.	KMLU-KHKS
aa_161	190	Jackson	Birmingham	Dep Jackson DR 062deg to MPE NDB, 219.0; DR 070deg to TCL VOR, 117.80; DR 066deg to BH NDB, 224.0; then 056deg for 5 NM, Land Birmingham.	KHKS-KBHM
aa_162	113	Birmingham	Atlanta	Dep Birmingham DR 093deg to AN NDB, 211.0; DR 079deg to FT NDB, 344.0; then 082deg for 5 NM, Land Atlanta.	KBHM-KFTY
aa_163	258	Atlanta	Jacksonville	Dep Atlanta 148deg to MCN VOR, 115.1; to CRG VOR, 114.5; on field, Land Jacksonville.	KFTY-KCRG

aa_164	281	Jacksonville	Miami	Dep Jacksonville 165deg to VRB VOR, 117.3; to PBI VOR, 115.7; to FLL VOR, 114.4; then 218deg fro 12 NM, Land Miami.	KCRG–KOPF
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Table 16
Miami to Los Angeles and San Francisco

2731	NM				
Flight	NM	From	To	Description	From–To
aa_165	276	Miami	Jacksonville	Dep Miami 344deg to ORL VOR, 112.2; to CRG VOR, 114.5; on field, Land Jacksonville	KOPF–KCRG
aa_166	257	Jacksonville	Atlanta	Dep Jacksonville 328deg to AMG VOR, 115.1; to ATL VOR, 116.9; then 336deg for 10 NM, Land Atlanta.	KCRG–KFTY
aa_167	83	Atlanta	Chattanooga	Dep Atlanta 329deg to EVZ NDB, 308.0; to OUK NDB, 323.0; to GQO VOR, 115.8; then 333deg for 5 NM, Land Chattanooga.	KFTY–KCHA
aa_168	112	Chattanooga	Nashville	Dep Chattanooga 288deg to UOS NDB, 275.0; to ULH NDB, 332.0; DR 326deg to BN NDB, 304.0; then 319deg for 12 NM, Land Nashville.	KCHA–KJWN
aa_169	177	Nashville	Memphis	Dep Nashville 233deg to GHM VOR, 111.6; to JKS VOR, 109.4; to MK NDB, 394.0; DR 249deg to SPQ NDB, 414.0; to AWM NDB, 362.0; on field, Land Memphis.	KJWN–KKAWM
aa_170	363	Memphis	Dallas	Dep Memphis 244deg to FCY NDB, 332.0; DR 245deg to SGT NDB, 269.0; to TXK VOR, 116.3; DR 250deg to SLR VOR, 109.0; DR 239deg to PQF NDB, 248.0; to LV NDB, 275.0; then 312deg for 5 NM, Land Dallas.	KAWM–KDAL
aa_171	27	Dallas	Ft. Worth	Dep Dallas Love Field 245deg to PK NDB, 233.0; then 267deg to Land Ft Worth Meacham Field.	KDALKFTW
aa_172	465	Ft Worth	El Paso	Dep Ft Worth 254deg to ABI VOR, 113.7; to INK VOR, 112.1; to ELP VOR, 115.2; then 149deg for 6 NM, Land El Paso.	KFTW–T27
aa_173	253	El Paso	Tucson	Dep El Paso 265deg to CIE VOR, 115.8; to TUS VOR, 116.0; to RYN NDB, 338.0; on field, Land Tucson.	T27–KIWA
aa_174	75	Tucson	Phoenix	Dep Tucson 340deg to AVQ NDB, 245.0; then DR 325deg course to IWA VOR, 113.3 on Field; Land Phoenix.	KRYN–KIWA
aa_175	343	Phoenix	Los Angeles	Dep Phoenix DR 266deg to B XK VOR, 110.6; to BLH VOR, 117.4; DR 268deg course to PSP VOR, 115.5; to PDZ VOR, 112.2; to LAX VOR, 113.6; on Field; Land Los Angeles.	KIWA–KLAX

aa_176	300	Los Angeles	San Francisco	Dep Los Angeles 322deg to GMN VOR, 116.1; to AVE VOR, 117.1; KLAX–KSFO to ROM VOR, 110.0; to SNS VOR, 117.3; to OSI VOR, 113.9; to SFO VOR, 115.8; on Field; Land San Francisco.
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Table 17
Mexico City to Washington, New York, and Boston

Flight	NM	From	To	Description	From–To
aa_177	414	Mexico City	Brownsville	Dep Mexico City 358deg to TMN VOR, 113.3; to CVM VOR, 113.7; to MAM VOR, 114.3; then 027deg for 9 NM, Land Brownsville.	MMMX–KBRO
aa_178	113	Brownsville	Corpus Christi	Dep Brownsville 353deg and Track towards CRP VOR, 115.5; at CRP D11.4 turn left to 311deg for 4 NM, Land Corpus Cristi.	KBRO–KCRP
aa_179	107	Corpus Christi	San Antonio	Dep Corpus Christi DR 330deg to BEA NDB, 284.0; DR 321deg to SSF VOR; then 336deg for 4 NM, Land San Antonio.	KCRP–KSSF
aa_180	190	San Antonio	Galveston	Dep San Antonio DR 084deg to OKT NDB, 350.0; DR 088deg to ARM NDB, 245.0; to LB NDB, 263.0; to VUH VOR, 113.0; on field, Land Galveston.	KSSF–KGLS
aa_181	32	Galveston	Houston	Dep Galveston DR 311deg for 31 NM, Land Houston, Hobby Airport.	KGLS–KHOU
aa_182	219	Houston	Ft Worth	Dep Houston 327deg to DWH NDB, 521.0; DR 324deg to GNL VOR, 108.8; then DR 326deg and Track towards FT NDB, 365.0 for 82 NM; then left to 294deg for 3 NM and Land Ft Worth.	KHOU–KFTW
aa_183	26	Ft Worth	Dallas	Dep Ft Worth 085deg to PK NDB, 233.0; then 065deg to Land Dallas.	KFTW–KDAL
aa_184	363	Dallas	Memphis	Dep Dallas 063deg to MII NDB, 316.0; DR 080deg to MSA NDB, 381.0; DR 061deg to TX NDB, 234.0; DR 04deg to ADF NDB, 275.0; DR 060deg to SGT NDB, 269.0; DR 065deg to FCY NDB, 332.0; to AWM NDB, 362.0; on field, Land Memphi.	KDAL–KAWM
aa_185	178	Memphis	Nashville	Dep Memphis DR 083deg to FYE NDB, 255.0; to JKS VOR, 109.4; to GHM VOR, 111.6; then DR 053deg for 31 NM and Land Nashville.	KAWM–KJWN

aa_186	498	Nashville	Washington	Dep Nashville DR 065deg to LFB NDB, 245.0; DR 074deg to LOZ VOR, 116.1; to BKW VOR, 117.7; to LW NDB, 346.0; DR to SH NDB, 375.0; DR 078deg to CJR NDB, 252.0; to DCA VOR, 111.0; on field, Land Washington.	KJWN–KDCA
aa_187	121	Washington	Philadelphia	Dep Washington 053deg to FME NDB, 353.0; to MTN NDB, 342.0; to IL NDB, 248.0; to PNE VOR, 112.0; on field, Land Philadelphia.	KDCA–KPNE
aa_188	54	Philadelphia	New York	Dep Philadelphia DR 062deg to EW NDB, 241.0; then 038deg and 6 NM Land New York, the Newark Terminal.	KPNE–KEWR
aa_189	176	New York	Boston	Depart New York, the Newark Terminal 100deg to BDR VOR, 108.8; to PUT VOR, 117.4; DR 077deg to BO NDB, 375.0; then 035deg and 5 NM Land Boston.	KEWR–KBOS

Table 18
Mexico City to Nashville, Cleveland, and Buffalo

3913	NM				
Flight	NM	From	To	Description	From–To
aa_190	414	Mexico City	Brownsville	Dep Mexico City 358deg to TMN VOR, 113.3; to CVM VOR, 113.7; to MAM VOR, 114.3; then 027deg for 9 NM, Land Brownsville.	MMMX–KBRO
aa_191	113	Brownsville	Corpus Christi	Dep Brownsville 353deg and Track towards CRP VOR, 115.5; at CRP D11.4 turn left to 311deg for 4 NM, Land Corpus Cristi.	KBRO–KCRP
aa_192	107	Corpus Christi	San Antonio	Dep Corpus Christi DR 330deg to BEA NDB, 284.0; DR 321deg to SSF VOR; then 336deg for 4 NM, Land San Antonio.	KCRP–KSSF
aa_193	190	San Antonio	Galveston	Dep San Antonio DR 084deg to OKT NDB, 350.0; DR 088deg to ARM NDB, 245.0; to LB NDB, 263.0; to VUH VOR, 113.0; on field, Land Galveston.	KSSF–KGLS
aa_194	32	Galveston	Houston	Dep Galveston DR 311deg for 31 NM, Land Houston, Hobby Airport.	KGLS–KHOU
aa_195	219	Houston	Ft Worth	Dep Houston 327deg to DWH NDB, 521.0; DR 324deg to GNL VOR, 108.8; then DR 326deg and Track towards FT NDB, 365.0 for 82 NM; then left to 294deg for 3 NM and Land Ft Worth.	KHOU–KFTW
aa_196	26	Ft Worth	Dallas	Dep Ft Worth 085deg to PK NDB, 233.0; then 065deg to Land Dallas.	KFTW–KDAL

aa_197	363	Dallas	Memphis	Dep Dallas 063deg to MII NDB, 316.0; DR 080deg to MSA NDB, 381.0; DR 061deg to TX NDB, 234.0; DR 04° to ADF NDB, 275.0; DR 060deg to SGT NDB, 269.0; DR 065deg to FCY NDB, 332.0; to AWM NDB, 362.0; on field, Land Memphi.	KDAL–KAWM
aa_198	139	New Orleans	Jackson	Dep New Orleans 349deg to MCB VOR, 116.7; DR 358deg and Track to JH NDB, 260.0; at 59 NM from MCB turn right to 030deg for 3 NM, Land Jackson.	KNEW–KHKS
aa_199	169	Jackson	Memphis	Dep Jackson 355deg to SQS VOR, 114.7; DR 357deg to MMS NDB, 391.0; DR 001deg to AWM NDB, 362.0; on field, Land Memphis.	KHKS–KAWM
aa_200	178	Memphis	Nashville	Dep Memphis DR 083deg to FYE NDB, 255.0; to JKS VOR, 109.4; to GHM VOR, 111.6; then DR 053deg for 31 NM and Land Nashville.	KAWM–KJWN
aa_201	654	New Orleans	Miami	Dep New Orleans 064deg to GPT VOR, 109.0; DR 084deg to ESU NDB, 204.0; to PKZ NDB, 326.0; to DTS NDB, 254.0; to PF NDB, 278.0; DR 091deg to TL NDB, 379.0; DR 118deg to FPY NDB, 254.0; DR 131deg to OC NDB, 423.0; DR 141deg to ISM NDB, 329.0; to PHK VOR, 115.4; to FX NDB, 221.0; then 180deg for 17 NM and Land Miami.	KNEW–KOPF
aa_202	276	Miami	Jacksonville	Dep Miami 344deg to ORL VOR, 112.2; to CRG VOR, 114.5; on field, Land Jacksonville	KOPF–KCRG
aa_203	257	Jacksonville	Atlanta	Dep Jacksonville 328deg to AMG VOR, 115.1; to ATL VOR, 116.9; then 336deg for 10 NM, Land Atlanta.	KCRG–KFTY
aa_204	83	Atlanta	Chattanooga	Dep Atlanta 329deg to EVZ NDB, 308.0; to OUK NDB, 323.0; to GQO VOR, 115.8; then 333deg for 5 NM, Land Chattanooga.	KFTY–KCHA
aa_205	112	Chattanooga	Nashville	Dep Chattanooga 288deg to UOS NDB, 275.0; to ULH NDB, 332.0; DR 326deg to BN NDB, 304.0; then 319deg for 12 NM, Land Nashville.	KCHA–KJWN
aa_206	137	Nashville	Louisville	Dep Nashville DR 026deg to BW NDB, 236.0; DR 023deg to FTK VOR, 109.6; fly 5 NM past new Int'l Airport to BQM VOR, 112.2; on field, Land Louisville.	KJWN–KLOU
aa_207	79	Louisville	Cincinnati	Dep Louisville DR 099deg for 78 NM towards LUK NDB, 335.0; 14 DME past CVG VOR, 117.3; land Cincinnati.	KLOU–KLUK
aa_208	33	Cincinnati	Dayton	Dep Cincinnati 013deg to MW NDB, 223.0; then 086deg and 4 NM Land Dayton.	KLUK–KMGY
aa_209	55	Dayton	Columbus	Dep Dayton 078deg to BU NDB, 230.0; then 037deg and 5NM Land Columbus.	KMGY–KTZR

aa_210	118	Columbus	Cleveland	Dep Columbus 042deg to CB NDB, 272.0; DR 036deg to MF NDB, 372.0; to AAU NDB, 329.0; DR 043deg to EZE NDB, then 052deg, 2 NM and Land Burke Lakefront Airport, Cleveland.	KTZR–KBKL
aa_211	76	Cleveland	Erie	Dep Cleveland 065deg, follow South Shore of Lake Erie to ER NDB, 349.0; then 062deg and 4 NM, Land Erie.	KBKL–KERI
aa_212	83	Erie	Buffalo	Dep Erie 066deg, follow South Shore of Lake Erie to GB NDB, 204.0; then 052deg and 5 NM, Land Buffalo.	KERI–KBUF

Table 19
Boston and New York to New Orleans

Flight	NM	From	To	Description	From–To
aa_212	175	Boston	New York	Dep Boston 250deg to PUT VOR, 117.4; to HVN VOR, 109.8; to LGA VOR, 113.1; then to 260deg to Land New York, the Newark Terminal.	KBOS–KEWR
aa_213	54	New York	Philadelphia	Dep New York, the Newark Terminal, 245deg to ARD VOR, 108.2; then 215deg to Land Philadelphia.	KEWR–KPNE
aa_214	120	Philadelphia	Washington	Dep Philadelphia DR 234deg to IL NDB, 248.0; DR 246deg to MX NDB, 232.0; then 252deg for 8 NM, Land Washington National.	KPNE–KDCA
aa_215	500	Washington	Nashville	Dep Washington DR 252deg to CJR NDB, 252.0; DR 257deg to SH NDB, 375.0; DR 258deg to LW NDB, 346.0; DR 276deg to GTC NDB, 293.0; DR 252deg to EKQ NDB, 290.0; DR 247deg to VI NDB, 344.0; then 164deg for 11 NM, Land Nashville.	KDCA–KJWN
aa_216	178	Nashville	Memphis	Dep Nashville 235deg to GHM VOR, 111.6; to JKS VOR, 109.4; to MK NDB, 394.0; then DR 252deg course to MIG NDB, 232.0; to AWM NDB, 362.0 on Field; Land West Memphis Airport.	KJWN–KAWM
aa_217	169	Memphis	Jackson	Dep Memphis DR 181deg to MMS NDB, 391.0; DR 177deg to JH NDB, 260.0; then 155deg for 5 NM, Land Jackson.	KAWM–KHKS
aa_218	144	Jackson	New Orleans	Dep Jackson DR 158deg to PJR NDB, 252.0; DR 175deg to BX NDB, 353.0; to DEF NDB, 256.0; then 211deg for 18 NM, Land New Orleans.	KHKS–KNEW

Table 20

2304 NM

Buffalo and Chicago to Dallas, Ft Worth and Mexico City

Flight	NM	From	To	Description	From-To
aa_219	197	Buffalo	Detroit	Dep Buffalo 270deg to YQO VOR, 114.2; to 4L NDB, 236.0; to VQ NDB, 230.0; then 330deg to Land Detroit.	KBUF-KDET
aa_220	219	Detroit	Chicago	Dep Detroit DR 270deg to JX NDB, 212.0; DR 261deg to AZ NDB, 371.0; DR 248deg to MGC NDB, 203.0; DR 274deg to MX NDB, 248.0; then 315deg for 4 NM, Land Chicago Midway.	KDET-KMDW
aa_221	231	Chicago	St Louis	Dep Chicago DR 219deg to DTG NDB, 344.0; DR 210deg to LH NDB, 334.0; DR 215deg to CJ NDB, 240.0; DR 212deg to FZ NDB, 227.0; then 257deg for 4 NM, Land St Louis.	KMDW-KSUS
aa_222	301	St Louis	Tulsa	Dep St Louis DR 227 deg to BHN NDB, 391.0; DR 240deg to SG NDB, 404.0; to EOS VOR, 117.3; DR 232deg to TU NDB, 338.0; then 227deg for 5 NM, Land Tulsa.	KSUS-KRVS
aa_223	90	Tulsa	Oklahoma City	Dep Tulsa DR 239deg to CQB NDB, 396.0; DR 242deg to OK NDB, 406.0; then 325deg for 4 NM, Land Oklahoma City.	KRVS-KPWA
aa_224	167	Oklahoma City	Dallas	Dep Oklahoma City 149deg to OUN NDB, 260.0; to PVJ NDB, 384.0; to AUV NDB, 284.0; DR 163deg to AD NDB, 407.0; then 169deg for 11 NM, Land Dallas.	KPWA-KDAL
aa225	27	Dallas	Ft. Worth	Dep Dallas Love Field 245deg to PK NDB, 233.0; then 267deg to Land Ft Worth Meacham Field.	KDAL-KFTW
aa_226	219	Ft Worth	Houston	Dep Ft Worth DR 142deg to LXY NDB, 329.0; DR 146deg to DWH NDB, 521.0; to HUB VOR, 117.1; on field, Land Houston.	KFTW-KHOU
aa_227	32	Houston	Galveston	Dep Houston DR 131deg for 32 NM, Land Galveston.	KHOU-KGLS
aa_228	193	Galveston	San Antonio	Dep Galveston 257deg to LB NDB, 263.0; to ARM NDB, 245.0; DR 268deg to OKT NDB, 350.0; DR 261deg to SSF VOR, 108.40; then 336deg for 4 NM, Land San Antonio.	KGLS-KSSF
aa_229	109	San Antonio	Corpus Christi	Dep San Antonio 154deg to THX VOR, 111.4; DR 136deg to CR NDB, 382.0; then 127deg for 5 NM, Land Corpus Christi.	KSSF-KCRP
aa_230	116	Corpus Christi	Brownsville	Dep Chorpus Christi DR 179deg to HR NDB, 338.0; to BR NDB, 393.0; then 129deg for 6 NM, Land Brownsville.	KCRP-KBRO
aa_231	403	Brownsville	Mexico City	Dep Brownsville dr 179deg and follow coastline south to TAM VOR, 117.5; to PCA VOR, 112.7; to TPX NDB, 359.0; then 204deg for 12 NM, Land Mexico City.	KBRO-MMMX

Table 21

2636 NM

San Francisco and Los Angeles to Dallas-FT Worth and Mexico City

Flight	NM	From	To	Description	From-To
aa_232	309	San Francisco	Los Angeles	Dep San Francisco 146deg to OSI VOR, 113.9; DR 327deg course to PDG NDB, 327.0; to MR NDB, 385.0; to BSR VOR, 114.0; to PRB VOR, 114.3; to FLW VOR, 117.5; DR 118deg course to FIM VOR, 112.5; to LAX VOR, 113.6; on Field; Land Los Angeles.	KSFO-KLAX
aa_233	101	San Diego	Los Angeles	Dep San Diego 326deg to OCN VOR, 115.3; to NA NDB, 337.0; to CPM NDB, 378.0; to LAX VOR, 113.6; on field, Land Los Angeles.	KSAN-KLAX
aa_234	344	Los Angeles	Phoenix	Dep Los Angeles 101deg to ELB VOR, 117.2; to TRM VOR, 116.2; to BLH VOR, 117.4; to B XK VOR, 110.6; DR 090deg course to CHD NDB, 407.0; to IWA VOR, 113.3, on Field; Land Phoenix.	KLAX--KIWA
aa_235	76	Phoenix	Tucson	Dep Phoenix 145deg to AVQ NDB, 245.0; to RYN NDB, 338.0, on Field; Land Tucson.	KIWA-KRYN
aa_236	255	Tucson	El Paso	Dep Tucson 090deg to TUS VOR, 116.0; to CIE VOR, 115.8; DR 085deg to CUS VOR, 111.2; to CJS VOR, 116.7; then 052deg for 10 NM and Land El Paso.	KRYN-T27
aa_237	462	El Paso	Ft. Worth	Dep El Paso 076deg to INK VOR, to ABI VOR, 113.7; to MQP VOR, 117.7; to FT NDB, 365.0; then 166deg for 4 NM, Land Ft Worth.	T27-KFTW
aa_238	26	Ft Worth	Dallas	Dep Ft Worth 085deg to PK NDB, 233.0; then 065deg to Land Dallas.	KFTW-KDAL
aa_239	210	Dallas	Houston	Dep Dallas DR 143deg to CRS NDB, 396.0; DR 146deg to UTS NDB, 308.0; to CX NDB, 281.0; to HS NDB, 379.0; then 166deg for 26 NM, Land Houston.	KDAL-KHOU
aa_240	32	Houston	Galveston	Dep Houston DR 131deg for 32 NM, Land Galveston.	KHOU-KGLS
aa_241	193	Galveston	San Antonio	Dep Galveston 257deg to LB NDB, 263.0; to ARM NDB, 245.0; DR 268deg to OKT NDB, 350.0; DR 261deg to SSF VOR, 108.40; then 336deg for 4 NM, Land San Antonio.	KGLS-KSSF
aa_242	109	San Antonio	Corpus Christi	Dep San Antonio 154deg to THX VOR, 111.4; DR 136deg to CR NDB, 382.0; then 127deg for 5 NM, Land Corpus Christi.	KSSF-KCRP
aa_243	116	Corpus Christi	Brownsville	Dep Chorpus Christi DR 179deg to HR NDB, 338.0; to BR NDB, 393.0; then 129deg for 6 NM, Land Brownsville.	KCRP-KBRO

aa_244	403	Brownsville	Mexico City	Dep Brownsville dr 179deg and follow coastline south to TAM VOR, KBRO—MMMX 117.5; to PCA VOR, 112.7; to TPX NDB, 359.0; then 204deg for 12 NM, Land Mexico City.
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NOTE ... The Non-Stop New York to Chicago flight was omitted from Table 3. This has been added and carries the flight number aa_245.