

OAKLAND RADIO RANGE LOOP

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A DC-3 Airways Charter by Chris Whisler, DCA1462

Required programs for this charter:

FS9

Radio Range Version 4.0

This charter uses the Radio Range 4.0 System along Civil Airway routes. Most needed information is given to fly each leg but I would suggest taking advantage of all the charts and information in RR V4.0 during these flights. To add to the realism of the flights you should use the appropriate approach plates provided with RR V4.0. I would also suggest using Real World Weather. Distances and airport elevations were taken from RR V4.0 airways data charts and approach plates. Civil Airways rules, RR V4.0 airways data charts and crew and passenger safety were used in determining flight altitudes.

I would like to give a special thanks to Dave Bitzer, Alex Nicolson, Norman Hancock, Allan Greene and to everyone that made Radio Range Version 4.0 a reality. The results of their hard work gives us the chance to employ techniques of flying and navigation in a great era of aviation history that otherwise would be impossible to experience.

Enjoy!

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Flight 1

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Oakland, CA (KOAK) To Sacramento, CA (KSAC)	OA	535	21*	A	5000	55	Green 3	Land KSAC
	SAC	236	20*	N				
Flight No. 1462-01-01	Arrival Airport Elev. - 22ft							

Notes:

1. The OA beacon is 1.6nm NE of Oakland.
2. The SAC beacon is 2.6nm SW of Sacramento.
3. The total route is 59nm.

Flight 2

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Sacramento, CA (KSAC) To Reno, NV (KRNO)	SAC	236	24*	A	11000	107	Green 3	Land KRNO
	RP	254	50*	N				
Flight No. 1462-01-02	Arrival Airport Elev. - 4412ft							

Notes:

1. The SAC beacon is 2.6nm SW of Sacramento.
2. The RP beacon is 2.9nm N of Reno.
3. The total route is 110nm

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Flight 3

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Reno, NV (KRNO) To Elko, NV (KEKO)	RP	254	50*	A	11000	198	Green 3	Land KEKO
	EL	391	50*	N				
Flight No. 1462-01-03		Arrival Airport Elev. - 5141ft						

Notes:

1. The RP beacon is 2.9nm N of Reno.
2. The EL beacon is on the aerodrome at Elko.
3. The total route is 202nm.

Flight 4

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Elko, NV (KEKO) To Ogden, UT (KOGD)	EL	391	41*	A	11000	176	Green 3	Land KOGD located S.E. of OGD
	OGD	263	82*	N				Warning: Promontory Mountain Do not descend below 7500ft until over OGD or if station is in sight
Flight No. 1462-01-04		Arrival Airport Elev. - 4473ft						

Notes:

1. The EL beacon is on the aerodrome at Elko.
2. The OGD beacon is 9.2nm NW of Ogden.
3. The total route is 176nm

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Flight 5

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Ogden, UT (KOGD) To Salt Lake City, UT (KSLC)	OGD	263	139*	N	6000	31	Amber2	Land KSLC
	SL	227	155*	A				
Flight No. 1462-01-05	Arrival Airport Elev. - 4225ft							

Notes:

1. The OGD beacon is 9.2nm NW of Ogden.
2. The SL beacon is 2.1nm NE of Salt Lake City.
3. The total route is 42nm

Flight 6

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Salt Lake City, UT (KSLC) To Delta, UT (KDTA)	SL	227	166*	N	10000	94	Amber 2	Land KDTA
	VZ	212	190*	N				
Flight No. 1462-01-06	Arrival Airport Elev. - 4753ft							

Notes:

1. The SL beacon is 2.1nm NE of Salt Lake City.
2. The VZ beacon is 2.8nm SW of Delta.
3. The total route is 98nm

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Flight 7

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Delta, UT (KDTA)	VZ	212	190*	A	10000	62	Amber 2	Land KMLF
To Milford, UT (KMLF)	MD	320	190*	N				
Flight No. 1462-01-07		Arrival Airport Elev. - 5039ft						

Notes:

1. The VZ beacon is 2.8nm SW of Delta.
2. The MD beacon is 2.3nm SW of Milford.
3. The total route is 67nm

Flight 8

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Milford, UT (KMLF)	MD	320	-----	-----	10000	54	Amber 2	Do not use MD. Fly NP Northeast 202 leg.
To Enterprise, UT	NP	341	202*	N				Fly over NP
Enterprise, UT To Las Vegas, NV (KLSV)	NP	341	200*	A	10000	110	Amber 2	Land KLSV
	LQ	206	210*	N				
Flight No. 1462-01-08		Arrival Airport Elev. - 1866ft						

Notes:

1. The LQ beacon is 2.7nm SW of Las Vegas.
2. The total route is 168nm

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Flight 9

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Las Vegas, NV (KLSV) To Silver Lake, CA	LQ	206	207*	A	10000	72	Amber 2	Fly over SIL
	SIL	269	214*	N				
Silver Lake, CA To Daggett, CA (KDAG)	SIL	269	214*	A	10000	47	Amber 2	Fly direct to KDAG on 214 leg from SIL
	DG	365	-----	-----				Land KDAG
Flight No. 1462-01-09	Arrival Airport Elev. - 1925ft							

Notes:

1. The LQ beacon is 2.7nm SW of Las Vegas.
2. The DG beacon is 2.3nm W of Daggett.
3. The total route is 124nm

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Flight 10

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Daggett, CA (KDAG) To Palmdale, CA (KPMD)	DG	365	245*	A	6000	61	Green 4	Use west 245 leg of DG to KPMD
	PA	332	-----	-----				Land KMPD
Flight No. 1462-01-10	Arrival Airport Elev. - 2542ft							

Notes:

1. The DG beacon is 2.3nm W of Daggett.
2. The PA beacon is 2.1nm NE of Palmdale
3. The total route is 66nm

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Flight 11

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Palmdale, CA (KPMD) To Newhall, CA	PA	332	223*	A	8000	29	Green 4	Fly over EHA
	EHA	209	223*	N				Start turn early to 319 leg of EHA to stay in N quadrant
Newhall, CA To Bakersfield, CA (KBFL)	EHA	209	319*	N	9000	69	Amber1	Land KBFL
	BD	239	322*	A				
Flight No. 1462-01-11	Arrival Airport Elev. - 508ft							

Notes:

1. The PA beacon is 2.1nm NE of Palmdale.
2. The BD beacon is on the aerodrome at Bakersfield.
3. The total route is 101nm

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Flight 12

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Bakersfield, CA (KBFL) To Fresno, CA (KFAT)	BD	239	322*	N	3000	84	Amber 1	Land KFAT
	FT	544	318*	A				
Flight No. 1462-01-12	Arrival Airport Elev. - 334ft							

Notes:

1. The BD beacon is on the aerodrome at Bakersfield.
2. The FT beacon is 5.3nm SW of Fresno.
3. The total route is 90nm

Flight 13

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Fresno, CA (KFAT) To Modesto, CA (KMOD)	FT	544	-----	-----	3000	72	Amber 1	Use 300 leg of MOD to KMOD
	MOD	567	300*	A				Land KMOD
Flight No. 1462-01-13	Arrival Airport Elev. - 98ft							

Notes:

1. The FT beacon is 5.3nm SW of Fresno.
2. The MOD beacon is 5.7nm SE of Modesto.
3. The total route is 83nm

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Flight 14

From - To	Station ID	Freq	Beam	Quad	Altitude	Dist	Civil Airway	
Modesto, CA (KMOD) To Oakland, CA (KOAK)	MOD	567	262*	A	5000	66	Amber 1	Use 262 leg of MOD to KOAK
	OA	535	-----	-----				Land KOAK
Flight No. 1462-01-14	Arrival Airport Elev. - 6ft							

Notes:

1. The MOD beacon is 5.7nm SE of Modesto.
2. The OA beacon is 1.6nm NE of Oakland.
3. The total route is 73nm