

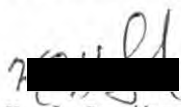


Federal Aviation Administration

Memorandum

Date: October 05, 2016

To: Clark Desing, Director, Western Service Center

From: 
Karl Scribner, Manager, Reno Airport Traffic Control Tower

Subject: **INFORMATION:** Certification Statement
Aircraft Accident, N985CA
Reno, NV, August 31, 2016

I certify that air traffic aircraft accident package, RNO-ATCT-0274, has been reviewed and is complete.

**AIRCRAFT ACCIDENT PACKAGE
RNO-ATCT-0274
N985CA, BE36
AUGUST 31, 2016, 0101 UTC
DESTROY: FEBRUARY 28, 2019 UTC**

SECTION 1.
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SECTION 2.

FAA Form 8020-6, Report of Aircraft Accident, and
FAA Form(s) 8020-6-1, Report of Aircraft Accident (Continuation Sheet)

FAA Form 8020-6, Report of Aircraft Accident

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT		REPORT DATE September 30, 2016	REPORT NO. RNO-ATCT-0274				
		NAME OF REPORTING FACILITY Reno ATCT (RNO)					
1. AIRCRAFT IDENTIFICATION AND TYPE N985CA, BE36		2. DATE/TIME OF ACCIDENT (UTC) August 31, 2016; 0101 UTC		3. LOCATION OF ACCIDENT (MANDATORY) Reno, NV; 1/2 mile North of Reno-Tahoe International Airport LATITUDE/LONGITUDE (OPTIONAL) Unknown			
4. NATURE OF ACCIDENT Aircraft crashed 1/2 mile from runway 16L during landing				5. TYPE OF FLIGHT No Flight Plan			
6. FLIGHT CREW	NAME	POSITION	ADDRESS (CITY AND STATE)	UNINJURED	INJURED	FATALITY	UNKNOWN
	John Brown	Pilot	Reno, NV			X	
7. PASSENGER DATA NUMBER ABOARD AIRCRAFT 1		NUMBER UNINJURED 0		NUMBER INJURED 0		NUMBER FATALITIES 1	
8. AIRCRAFT DAMAGE Destroyed			9. PROPERTY DAMAGE Unknown				
10. OPERATING STATUS OF NAVIGATIONAL AIDS/LIGHTS/COMMUNICATIONS Normal							
11. WEATHER DATA (USE UTC DATE/TIME)	REPORT JUST PRIOR TO ACCIDENT RENO METAR - 0055 UTC: wind two nine zero at one seven, gusts two zero knots, visibility one zero statute miles, few clouds at one zero thousand, few clouds at two zero thousand, temperature three one, dew point minus five, altimeter three zero zero one						
	FIRST REPORT SUBSEQUENT TO ACCIDENT RENO METAR - 0134 UTC: wind two six zero at one four, gusts two one knots, visibility one zero statute miles, few clouds at one zero thousand, few clouds at two zero thousand, temperature two nine, dew point minus four, altimeter three zero zero zero						
12. ATO PERSONNEL INVOLVED	NAME	FACILITY	OPERATING POSITION		CHECK IF EYEWITNESS		
	Greg Nicoll *(GN)	RNO ATCT	LC1 LC				
	Erik Edney (EE)	RNO ATCT	GC GC				
*OPERATING INITIALS							
13. SIGNATURE OF FACILITY MANAGER Karl Scribner							

FAA Form 8020-6 (12-14) Supersedes Previous Edition

Electronic Version

RNO-ATCT-0274

N985CA



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

September 29, 2016

REPORT NO

RNO-ATCT-0274

NAME OF REPORTING FACILITY

Henderson Exec. Airport FCT (HND)

14 CHRONOLOGICAL SUMMARY OF FLIGHT

August 30, 2016

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

- 2255 N985CA called ground control with ATIS Papa and requested to taxi for departure and flight following to Reno (RNO) airport.
- 2256 N985CA was given progressive taxi to runway 17R, the current numbers, squawk 675Z and Las Vegas departure control frequency 135.0.
- 2259 N985CA called tower ready for departure at runway 17R and was told to hold short for landing traffic.
- 2300 N985CA was cleared for takeoff runway 17R, 30 seconds later he requested and received a wind check.
- 2301 N985CA requested and received a right turn Southwest bound and changed to Las Vegas departure.

No More Follows



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

September 12, 2016

REPORT NO.

RNO-ATCT-0274

NAME OF REPORTING FACILITY

Las Vegas TRACON (L30)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

August 31, 2016

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

08/30/16

- 2303 N985CA calls Final and states call sign. Final requests N985CA to ident. Final radar identifies N985CA 3 miles south of Henderson, issues a class bravo clearance, states to fly present heading and climb to requested altitude. N985CA reads back instructions correctly.
- 2305 Final tells N985CA to proceed on course. N985CA reads back the instructions correctly.
- 2307 Final tells N985CA to contact Las Vegas on 125.02. N985CA reads back the instructions correctly. N985CA checks in with Granite and states they are leaving 6,400 for 12,500. Granite states to maintain VFR at or below 10,500. N985CA reads back the instructions correctly.
- 2310 Granite tells N985CA that a climb to requested altitude is approved. N985CA states pilot's discretion on the climb.
- 2314 Granite advises N985CA they are clear of bravo airspace, own navigation and to remain on frequency.
- 2318 Granite issues a traffic call to N985CA, N985CA does not respond. Granite repeats the traffic call and N985CA states they are looking, no contact.
- 2320 Granite states that traffic is no longer a factor and advises N985CA to contact Los Angeles Center on 124.62. N985CA reads back the frequency change instruction correctly.

No More Follows



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

September 30, 2016

REPORT NO.

RNO-ATCT-0274

NAME OF REPORTING FACILITY

Los Angeles ARTCC (ZLA)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

August 31, 2016

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

08/30/16

2320 N985CA checked on with R16 and was issued an altimeter.

2324 N985CA was told to contact Nellis Control on 119.35

No More Follows



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
REPORT OF AIRCRAFT ACCIDENT
(Continuation Sheet)

REPORT DATE

September 01, 2016

REPORT NO

RNO-ATCT-0274

NAME OF REPORTING FACILITY

Oakland ARTCC (ZOA)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

August 31, 2016

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

08/30/16

2356 N985CA checked on sector 45's frequency at 12,500 feet and was issued the
Tonopah Altimeter.

08/31/16

0033 N985CA was issued the Reno Altimeter.

0044 N985CA was transferred to Northern California TRACON.

No More Follows

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE September 08, 2016	REPORT NO. RNO-ATCT-0274
	NAME OF REPORTING FACILITY Northern California TRACON (NCT)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

August 31, 2016

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

0044 N985CA calls NCT 35 miles southeast of Reno. NCT Silver Controller verifies ATIS Juliet, verifies his altitude, and asks his RWY request. N985CA replies RWY 25.

0047 Silver controller restricts N985CA to at or above 9000.

0051 Silver controller restricts N985CA to at or above 8500.

0052 Silver controller tells N985CA to proceed to RWY25, we'll get you sequenced in just a moment.

0053 N985CA says he is still restricted to 8500. Silver controller assigns N985CA heading 350.

0054 Silver controller tells N985CA that there will be a slight delay for RWY25, he is number 4 for the airport, traffic on a 15 mile straight-in is a B757 for RWY16R. N985CA responds that he can take RWY16L. Silver controller tells N985CA to proceed to the downwind and to contact tower. Silver calls RNO tower and tells them that N985CA can take RWY 16L, coming to you on the downwind.

0056 Silver controller calls N985CA.

0102 RNO Tower calls Silver controller and tells them to not bring anyone in for RWYS 34R/16L, the Bonanza went down north of the airport.

0104 Silver controller calls Reno Tower to verify RWY34R/16L is closed.

No More Follows

 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	REPORT DATE September 30, 2016	REPORT NO. RNO-ATCT-0274
	NAME OF REPORTING FACILITY Reno ATCT (RNO)	

14. CHRONOLOGICAL SUMMARY OF FLIGHT

August 31, 2016

ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME
UNLESS OTHERWISE SPECIFIED

- 0054 N985CA checked on with Reno Tower indicating restricted heading 350, 8,500 feet. Tracon notified Reno that N985CA last in sequence says he can take 16L if he needs coming to you on the downwind. Reno Tower instructed N985CA to continue inbound to runway 25.
- 0055 N985CA asked about restriction
- 0056 N985CA reported being on wide downwind for 16L. Tower instructed N985CA to continue inbound for 16L
- 0057 N985CA reported turning a wide left base. Tower issued traffic, a Boeing 757 on a 9 mile final for runway 16R, then issued caution wake turbulence and cleared N985CA to land runway runway 16L.
- 0058 N985CA reported traffic in sight. The B757 was advised the traffic had him in sight
- 0101 Tower broadcast in the blind two times to N985CA. No response

No More Follows

SECTION 3.
Review of Services Memo(s)

Memo

Date: September 19, 2016

To: Reno Airport Traffic Control Tower

From: Timothy Shields, Manager, Henderson Exec. Airport Federal Contract
Tower

Subject: INFORMATION: Review of Services Memo
Aircraft Accident, N985CA
Sparks, NV, August 31, 2016

HND FCT conducted a review of services concerning N985CA and was determined to routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally I certify that the following originals/digital copies are on file in this office

FAA Form 8020-6-1

Certified Original Copy(ies) of Voice Recording(s)

Certified Working Copy(ies) of Voice Recording(s)


TIMOTHY SHIELDS
ATM HND TOWER

RNO-ATCT-0274
N985CA

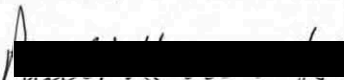


Federal Aviation Administration

Memorandum

Date: October 04, 2016

To: Reno Airport Traffic Control Tower


Paul Garcia, Manager, Las Vegas Terminal Radar Approach Control

From: Facility

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident, N985CA
Sparks, NV, August 31, 2016

L30 TRACON conducted a review of services concerning N985CA and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

FAA Form 7230-4

FAA Form 7230-10

FAA Form 8020-6-1

Certified Original Copy(ies) of Voice Recording(s)

Certified Working Copy(ies) of Voice Recording(s)

Continuous Data Recording (CDR)



Federal Aviation Administration

Memorandum

Date: September 15, 2016

To: Reno Airport Traffic Control Tower

From:  Dale Westall, Manager, Los Angeles Air Route Traffic Control Center

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident, N985CA
Sparks, NV, August 31, 2016

ZLA ARTCC conducted a review of services concerning N985CA and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

FAA Form 8020-6-1
Certified Original Copy(ies) of Voice Recording(s)
National Track Analysis Report
Surveillance Track History Report
Input Output Log Report
SatoriE Replay



Federal Aviation Administration

Memorandum

Date: September 01, 2016

To: Reno Airport Traffic Control Tower

From:  Melissa Holmes, Manager, Oakland Air Route Traffic Control Center

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident, N985CA
Sparks, NV, August 31, 2016

ZOA ARTCC conducted a review of services concerning N985CA and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

FAA Form 8020-6-1
Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
ERAM RADAR Files
ERAM SAR Files

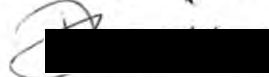


Federal Aviation Administration

Memorandum

Date: September 06, 2016

To: Reno Airport Traffic Control Tower



Donald H. Kirby, Manager, Northern California Terminal Radar Approach
From: Control Facility

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident, N985CA
Sparks, NV, August 31, 2016

NCT TRACON conducted a review of services concerning N985CA and was determined to have routine services. As a supporting facility with routine services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

FAA Form 8020-6-1
Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
Continuous Data Recording (CDR)

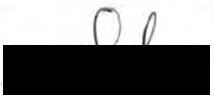


Federal Aviation Administration

Memorandum

Date: October 05, 2016

To: Reno Accident File RNO-ATCT-0274

From: 
Karl Scribner, Manager, Reno Airport Traffic Control Tower

Subject: **INFORMATION:** Review of Services Memo
Aircraft Accident, N985CA
Reno, NV, August 31, 2016

RNO ATCT conducted a review of services concerning N985CA and was determined to have pertinent services. As the holding facility with pertinent services I certify the following data has been retained in accordance with FAA Order 8020.16. Additionally, I certify that the following originals/digital copies are on file in this office.

FAA Form 7230-4
FAA Form 7230-10
FAA Form 8020-6
FAA Form 8020-6-1
FAA Form 8020-9
FAA Form 8020-3
Personnel Log(s)
Certified Original Copy(ies) of Voice Recording(s)
Certified Working Copy(ies) of Voice Recording(s)
Facility Layout Chart(s)
Airport Diagram
Transcription(s) of Voice Recording(s)
Mandatory Occurrence Report

SECTION 4.

FAA Form(s) 7230-4, Daily Record of Facility Operation

DAILY RECORD OF FACILITY OPERATION				PAGE NO Page 1 of 1
				DATE Aug 30, 2016
LOCATION	IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY
Reno, NV	RNO	ATCT	Operations	
				AIR TRAFFIC MANAGER Karl H. Scribner
UTC TIME	REMARKS			
0700	R. CONKLIN ON. WCLC. CFPL: RWY 16L/R IN USE. SECON BASELINE. RWY 7 PAPI OTS. RWY 34L, ONE APRCH LIGHT (IN-PAVEMENT) OTS. SOUTH CAB ARTS KEYPACK INTERMITTENT. -- RV			
1200	B. WATSON ON. -- IN			
1304	D. THORNTON ON. -- DT			
E 1359	SIA PAGE IS SHOWING METAR, WIND, TEMP, DUE POINT, DATA EXPIRED INTERMITTENT. SOC(KK) NTFYD. -- AK			
1512	WCLC. -- CL			
1805	TWY A CLSD BTWN L AND J. -- DT			
1919	TWY A OPEN. -- CL			
1938	TWY L EAST OF C CLSD PER NTM. -- CL			
E 1942	SOUTH CAB ARTS KEYPACK APPEARS NML. LCL T.O. CONSULTED. -- CL			
1944	C. LUCAS ON. -- CL			
E 2031	SIA RTS @1855 PER SOC(BOB). -- CL			
2159	J. LACY ON. -- CL			
E 2315	LA POSITION IVSR OTS. SOC NOTIFIED. -- GN			
E 2359	LA POSITION IVSR RTS. -- GN			
0008	RWY 16R/L AND 25 IN USE. -- EE			
0102	RWY 34L AND 25 IN USE. RWY 34R CLSD -- EE			
M 0129	RNO-M-2016/08/30-0003 -- N985CA -- EE			
0217	RWY 34L/R AND 25 IN USE. -- EE			
0445	RWY 34L/R IN USE. -- IN			
0500	S. HUMPHRIES ON. -- AK			
0507	RWY 16L/R IN USE. -- AK			
0659	COB. -- AK			
I CERTIFY that entries above are correct, that all scheduled operations have been accomplished except as noted, and that all abnormal occurrences and conditions have been recorded.		SIGNATURE(S) OF WATCH SUPERVISOR(S)  5/30/16		

FAA Form 7230-4

RNO-ATCT-0274
N985CA

Air Traffic Mandatory Occurrence Report

RNO-M-2016/08/30-0003

1. Reporting FAC ID			2. Date UTC (dd/mm/yyyy)								3. Time UTC				4. Significant Occurrence?	
R	N	O	3	1	0	8	2	0	1	6	0	1	0	5	☒ Yes ☐ No	
5. MOR reported by (select one): ☐ Controller providing services ☐ CIC ☐ External Facility Referral ☐ FLM ☐ Aircraft Owner/Operator ☐ Hotline (Describe in summary) ☐ Internal Facility Review ☐ Electronically Detected ☐ Other (Describe in summary)																
Brasher warning given? ☐ Yes ☐ No Training in progress? ☐ Yes ☒ No																
EMERGENCY MORs																
H1. MOR type – in-flight emergency conditions involving (select one): ☐ Medical emergency ☐ Fuel quantity ☐ Inflight equipment malfunction ☐ Bird strike ☐ Pilot Disorientation ☒ Other (describe in summary) ☐ VFR in/on top IFR conditions																
H1a. Aircraft information:																
Aircraft ID		Aircraft type/suffix		IFR/VFR:		Facility communicating with A/C		Position communicating with A/C		Frequency						
N985CA		BE36		☐ IFR ☐ VFR		RNO		LC1		118.7						
H1b. Malfunctioning equipment component:						H1c. Passenger or crew condition:						H1d. Medical assistance aboard:				
												☐ Yes ☐ No ☐ Unknown				
Only complete for mechanical MORs						Only complete for medical MORs										
H2. MOR type – in-flight security conditions involving (select one): ☐ Laser light illumination ☐ Hijack ☐ Bomb threat																
H2b. Nearest major city:						H2c. Altitude:			H2d. Route information:							
Only complete for laser light illuminations									Departed		Destination		Diverted to			
H2e. Location (lat/long or fix/radial distance);						H2f. Time DEN notified (UTC):			UNKN		UNKN					

RNO-ATCT-0274

N985CA

Air Traffic Mandatory Occurrence Report

RNO-M-2016/08/30-0003

SUMMARY

J1. Summary – provide a brief summary for all MORs in this section that will provide enough information for QA to understand what occurred. Include information about items that require additional information in the specific MOR you are reporting.

N985CA WAS CLEARED TO LAND BY LOCAL CONTROL ON RWY 16L. AIRCRAFT WAS OBSERVED ON A LEFT BASE, AND DID NOT MAKE THE RUNWAY AS HE TURNED SHORT FINAL. AIRCRAFT REPORTED HAVING FDX1359 (PREVIOUSLY LANDED B757 ON RWY16R) IN SIGHT. HE WAS INSTRUCTED TO MAINTAIN VISUAL SEPARATION AND CAUTIONED FOR WAKE TURBULENCE. ALL EMERGENCY RESPONSE TEAMS WERE NOTIFIED.

RNO-ATCT-0274
N985CA

Air Traffic Mandatory Occurrence Report

RNO-M-2016/08/30-0003

SEPARATION		
Was this a loss of separation?		
☐ Yes ☐ No	Applicable Separation Rule: _____	
Separation Used: ☐ Course Divergence ☐ MARSA ☐ Mode C Interlace ☐ Opposite Course (Report Passing) ☐ Other Facility ☐ Procedure/Waiver ☐ Report/Observe Leaving Altitude ☐ Terminal Transition ☐ Tower Visual Separation ☐ VFR Aircraft ☐ Visual Approach ☐ Visual Separation ☐ Other		
RISK ANALYSIS		
Was this a Risk Analysis Event?		
☐ Yes ☐ No	RAE Score: _____	
PILOT DEVIATION		
Was this a possible pilot deviation?		
☐ Yes ☐ No	Preliminary Number: _____	
SURFACE EVENT		
Was this a possible Surface Event?		
☐ Yes ☐ No	Classification: _____	
VEHICLE/PEDESTRIAN DEVIATION		
Was this a possible Vehicle/Pedestrian Deviation?		
☐ Yes ☐ No	Preliminary Number: _____	
NMAC		
Was this a NMAC?		
☐ Yes ☐ No	NMAC Number: _____	

RNO-ATCT-0274
N985CA

Air Traffic Mandatory Occurrence Report

RNO-M-2016/08/30-0003

QA SUMMARY

An analysis of the event was completed by reviewing the MOR summary. This event was an aircraft crash. All concerned were notified. T. Petrakis 8/31/2016

RNO-ATCT-0274
N985CA

SECTION 5.
Personnel Log(s)

PERSONNEL LOG		REGION		FACILITY		AREA ID			DATE		
		AWP		RNO		OPERATIONS			MONTH: AUG	DAY: 30	YEAR: 2016
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FOR: ALL ABSENCES FROM FACILITY, TRNG, TDY AND NON POSITIONAL DUTIES		
THORNTON, DWAYNE (DT) 05:45 - 13:45	9 R	05:35 05:45	05:45 13:45	08+10			04+11	03+59			
HUMPHRIES, SPENCER (AK) 05:53 - 13:53	R	05:53	13:53	08+00			00+11	05+20			
LUCAS, CRAIG (CL) 07:45 - 15:45	9 R 97	06:40 07:45 18:40	07:45 15:15 23:00	12+55	00+30	Leave	04+57	07+11			
SCRIBNER, KARL (SR) 07:30 - 15:30	R 1 97	07:30 15:30 18:00	15:30 16:00 23:00	13+30			08+00	00+00			
ZEIDLER, CHRISTOPHER (ZZ) 07:30 - 15:30	R	07:30	15:30	08+00			00+12	05+18			
NICOLL, GREGORY (GN) 10:30 - 18:30	R 50 97	10:30 18:30 20:30	18:30 20:30 23:00	12+30			04+27	05+16			
EDNEY, ERIK (EE) 12:30 - 20:30	R 50 97	12:30 20:30 22:30	20:30 22:30 23:00	10+30			03+27	05+08			
LACY, JONATHAN (DJ) 14:30 - 22:30	R	14:30	22:30	08+00			00+12	05+20			
WATSON, BRENT (IN) 22:15 - 06:15	50 R	20:45 22:15	22:15 06:15	09+30			00+03	08+59			
HUMPHRIES, SPENCER (AK) 22:15 - 06:15	50 R	22:00 22:15	22:15 06:15	08+15			00+03	07+46			
ILES, DONALD (ID) 12:30 - 20:30					08+00	Leave	00+00	00+00			
DOSTER, ASHLEY (SA) RDO	50	05:00	10:45	05+45			00+08	03+37			
DIMARCO, CHRISTOPHER (CD) RDO	61 97	08:40 19:00	10:50 23:23	06+33			02+01	00+00			
CONKLIN, RYAN (RV) NAS											
GRANSEE, ADAM (GE) RDO											
RIDGEWAY, PATTIE (PD) RDO											
SUPERVISORY CERTIFICATE	NAME	CODE	TIME ON	TIME OFF	INTLS	NAME	CODE	TIME ON	TIME OFF	INTLS	

THE SIGNATURES ABOVE CERTIFY THAT THE ABOVE ENTRIES ARE CORRECT
(Signatures and times in charge are noted on FAA Form 7230-4, Daily Record of Facility Operation)

RNO-ATCT-0274
N985CA

SECTION 6.

FAA Form(s) 7230-10, Position Log, or automated equivalent

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
RNO	LC1	LC	8/30/16		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
07:00	IN	11:37	C		
11:38	IN	11:38	C		
11:39	RV	11:59	C		
12:00	SA	13:25	C		
13:26	DT	14:30	S		
14:31	ZZ	15:29	C		
15:30	SA	16:56	C		
16:57	AK	18:18	C		
18:19	ZZ	19:46	C		
19:47	GN	20:29	C		
20:30	ZZ	22:00	C		
22:01	EE	23:18	C		
23:19	DJ	00:46	C		
00:47	GN	01:29	C		

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec.

T - Trainee/Developmental

M - Trainee/ Developmental Monitoring

R - Trainee/ Developmental Certification/ Evaluation

[illegible][illegible][illegible]

RND-ATCT-0274
11985CA

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
RNO	GC	GC	8/30/16		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
07:00	RV	11:37	C		
11:38	RV	11:38	C		
11:39	IN	12:56	C		
12:57	AK	14:04	C		
14:05	SA	14:31	C		
14:32	SA	14:48	C		
14:49	AK	16:12	C		
16:13	ZZ	17:32	C		
17:33	GN	19:03	C		
19:04	AK	20:28	C		
20:29	EE	21:13	C		
21:14	GN	21:57	C		
21:58	DJ	22:00	C		
22:01	DJ	22:43	C		

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec.

T - Trainee/Developmental

M - Trainee/ Developmental Monitoring

R - Trainee/ Developmental Certification/ Evaluation

[illegible]

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
RNO	GC	GC	8/30/16		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
22:44	GN	00:03	C		
00:04	EE	02:25	C		
02:26	CL	03:39	S		
03:40	CL	04:19	S		
04:20	DJ	04:59	C		
05:00	AK	05:14	C		
05:15	AK	06:59	C		

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec.

T - Trainee/Developmental

M - Trainee/ Developmental Monitoring

R - Trainee/ Developmental Certification/ Evaluation

[illegible]

RNO-ATCT-0274
M985CA

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
RNO	OS1	SC	8/30/16		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
07:00	RV	11:37	C		
11:38	IN	12:56	C		
12:57	AK	14:04	C		
14:05	SA	14:31	C		
14:32	CL	14:44	S		
14:45	CL	16:02	S		
16:03	DT	18:56	S		
18:57		06:59		OS2	SC

CODE:

C - ATCS/ATA
S - Supervisor/Staff Spec.
T - Trainee/Developmental
M - Trainee/ Developmental Monitoring
R - Trainee/ Developmental Certification/
Evaluation

[illegible][illegible][illegible]

RND-ATCT-0274
11985CA

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER	(3) Pos	(4) DATE		
RNO	OS2	SC	8/30/16		
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
07:00		18:14		OS1	SC
18:15	CL	22:00	S		
22:01	DJ	22:43	C		
22:44	GN	00:03	C		
00:04	EE	02:25	C		
02:26	CL	03:39	S		
03:40	CL	04:19	S		
04:20	DJ	04:59	C		
05:00	AK	05:14	C		
05:15	AK	06:59	C		

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec.

T - Trainee/Developmental

M - Trainee/ Developmental Monitoring

R - Trainee/ Developmental Certification/ Evaluation

[illegible][illegible][illegible]

0-0-0-11-001

Electronic Version (OmniForm)

FAA Form 7230-10 (6-94) NSN: 0052-00-024-6102

Electronic Version (OmniForm)

RND-ATCT-0274
N1985CA

Position Log					
(1) FACILITY ID	(2) POSITION IDENTIFIER		(3) Pos	(4) DATE	
RNO	CD		CD	8/30/16	
(5) TIME ON	(6) INITIALS	(7) TIME OFF	(8) CODE	Where Combined	
				(9) POSITION IDENTIFIER	(10) Position Type
07:00		19:45		GC	GC
19:46	EE	20:28	C		
20:29	AK	20:29	C		
20:30		21:33		GC	GC
21:34	DJ	21:57	C		
21:58	GN	21:58	C		
21:59		06:59		GC	GC

CODE:

C - ATCS/ATA

S - Supervisor/Staff Spec.

T - Trainee/Developmental

M - Trainee/ Developmental Monitoring

R - Trainee/ Developmental Certification/ Evaluation

[illegible][illegible][illegible]

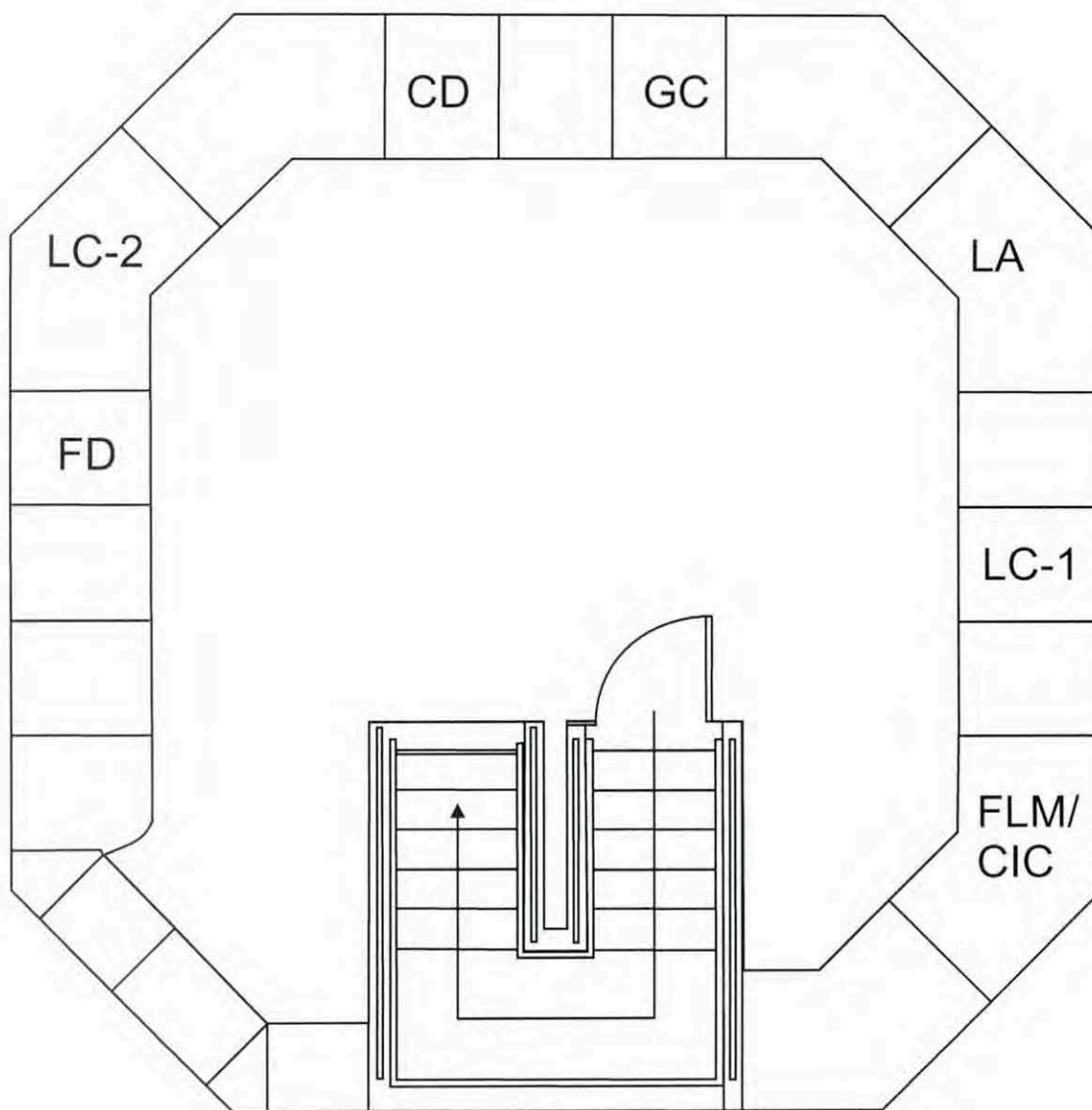
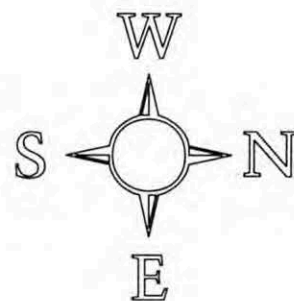
RNO-ATCT-0274
NORSEA

[illegible][illegible][illegible][illegible]

RNO-ATCT-0274
N985CA

SECTION 7.
Facility Layout Chart(s)

RENO ATCT



RNO-ATCT-0274
N985CA

SECTION 8.
Airport Diagram

16203

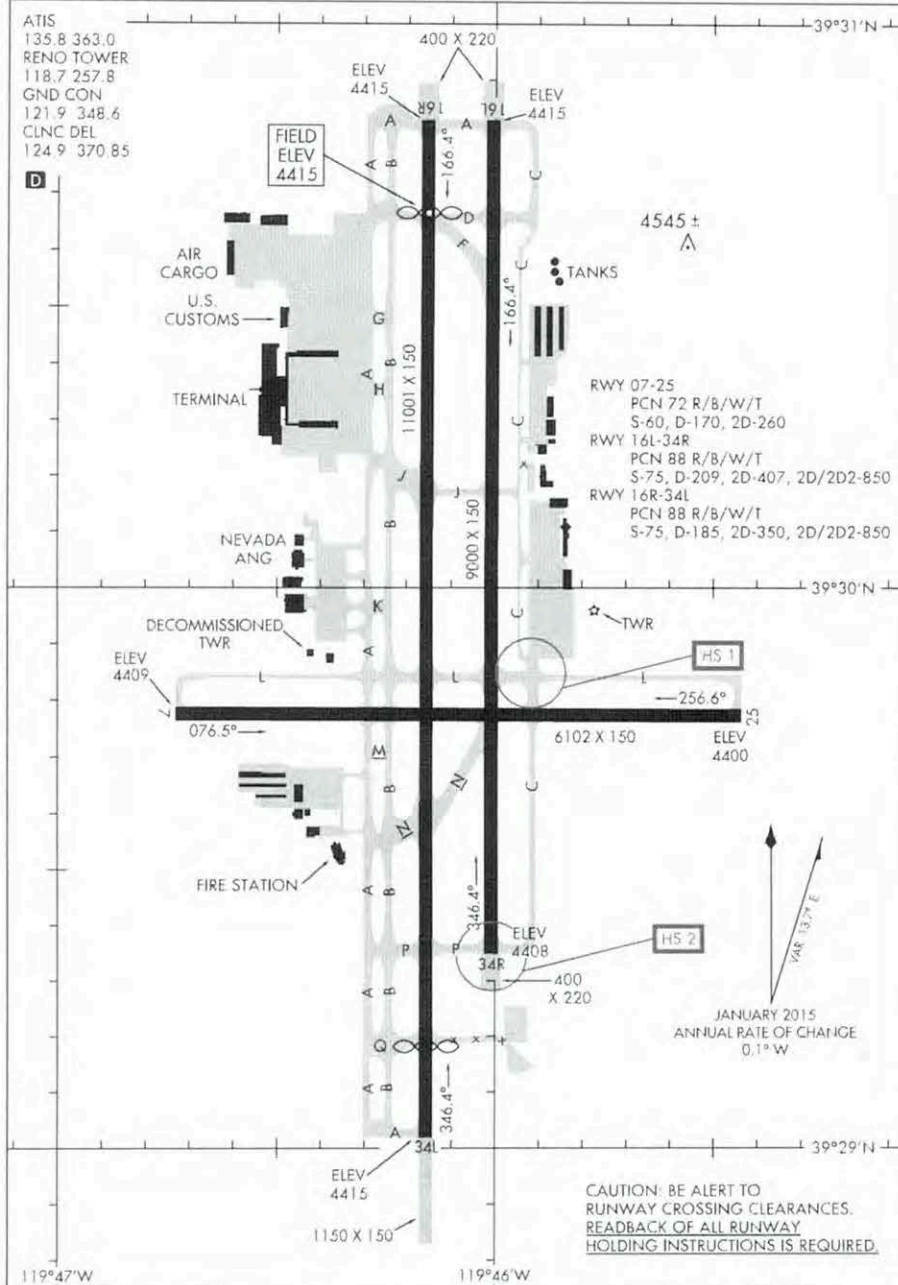
AIRPORT DIAGRAM

AL-346 (FAA)

RENO/TAHOE INTL (RNO)
RENO, NEVADA

ATIS
135.8 363.0
RENO TOWER
118.7 257.8
GND CON
121.9 348.6
CLNC DEL
124.9 370.85

SW-4, 18 AUG 2016 to 15 SEP 2016



SW-4, 18 AUG 2016 to 15 SEP 2016

AIRPORT DIAGRAM

16203

RENO, NEVADA
RENO/TAHOE INTL (RNO)RNO-ATCT-0274
N985CA

This diagram is not to scale

SECTION 9.
Transcription of Voice Recording(s)



Federal Aviation Administration

Memorandum

Date: September 23, 2016

To: Aircraft Accident File RNO-ATCT-0274

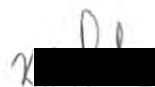
From: Reno Airport Traffic Control Tower

Subject: **INFORMATION**: Partial Transcript
Aircraft Accident, N985CA
Reno, NV, August 31, 2016

This transcription covers the Reno Airport Traffic Control Tower (ATCT) LC1 LC position for the time period from August 31, 2016, 0024 UTC, to August 31, 2016, 0132 UTC.

Agencies Making Transmissions	Abbreviations
N985CA	N985CA
Northern California TRACON Area E	NCT
Reno ATCT Local Control	LC1
UNKN	UNKN
FEDERAL EXPRESS CORPORATION (LITTLE ROCK, AR), FDX1359	FDX1359
HORIZON AIRLINES, INC. (SEATTLE, WA), QXE320	QXE320

I certify that the following is a true transcription of the recorded conversations pertaining to the subject Aircraft Accident involving N985CA.


Karl Scribner
Air Traffic Manager
Reno ATCT

0024
(0025-0053)
0054

0054:34 N985CA reno tower good afternoon bonanza nine eight five charlie
alpha restricted heading three five zero eight thousand
five hundred

0054:41 NCT reno five charlie alpha last in sequence says he can take
one six left if he needs coming to you on the downwind

RNO-ATCT-0274
N985CA

Page 2 of 3

0054:51 LC1 bonanza niner eight five charlie alpha reno tower continue inbound runway two five

0054:59 N985CA continue inbound for two five charle alpha

0055:07 UNKN and uh tower how about the restrictions
0056

0056:20 N985CA and tower bonanza five charlie alpha on a wide downwind one six left

0056:28 LC1 bonanza five charlie alpha roger continue inbound for one six left

0056:31 N985CA wil wilco
0057

0057:13 N985CA and tower five charlie alpha turning a wide left base one six left

0057:18 LC1 bonanza five charlie alpha roger traffic niner mile final for one six right is a boeing seven fifty seven caution wake turbulence wind two three zero at one three gust one eight runway one six left cleared to land

0057:31 N985CA cleared to land one six left negative contact on the inbound from the right five charlie alpha
0058

0058:18 N985CA and tower five charlie alpha got a visual on the airliner for the for the right

0058:24 LC1 fedex thirteen fifty nine traffic on a four mile left base for one six left six thousand two hundred feet bonanza they do have you in sight

0058:31 FDX1359 thirteen fifty nine were looking
0059
0100
0101

0101:10 LC1 horizon air three twenty reno tower runway one six right line up and wait

0101:14 QXE320 line up and wait horizon air three twenty do you see the

RNO-ATCT-0274
N985CA

Page 3 of 3

flames off the end begining one six right theres some
smoke going up right now

0101:23 LC1 november five charlie alpha reno tower

0101:47 LC1 bonanza five charlie alpha reno tower
0102
(0103-0131)
0132

End of Transcript



Federal Aviation Administration

Memorandum

Date: September 29, 2016

To: Aircraft Accident File RNO-ATCT-0274

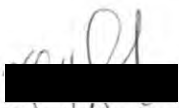
From: Reno Airport Traffic Control Tower

Subject: **INFORMATION**: Partial Transcript
Aircraft Accident, N985CA
Reno, NV, August 31, 2016

This transcription covers the Reno Airport Traffic Control Tower (ATCT) GC GC position for the time period from August 31, 2016, 0031 UTC, to August 31, 2016, 0137 UTC.

Agencies Making Transmissions	Abbreviations
UNKN	UNKN
Reno ATCT Ground Control	GC
Northern California TRACON Area E	NCT
Reno Police Department	RPD
Reno Tahoe International Fire Department	RTAA FD
Reno ATCT Local Control	LC1
FEDERAL EXPRESS CORPORATION (LITTLE ROCK, AR), FDX1359	FDX1359

I certify that the following is a true transcription of the recorded conversations pertaining to the subject Aircraft Accident involving N985CA.


Karl Scribner
Air Traffic Manager
Reno ATCT

0031
(0032-0100)
0101
0101:25 UNKN did you see that i think the bonanza went in

0101:31 GC roger stand bye
0102

0102:41 GC nugget reno

RNO-ATCT-0274
N985CA

Page 2 of 3

0102:46 NCT silver nugget

0102:47 GC don't uh bring anyone in for three four right or a one six left for the time being the bonanza five charlie alpha just went down off the north side of the airport

0102:56 NCT roger that whiskey delta

0102:57 GC e e
0103

0103:24 GC reno tower this is erik

0103:26 RPD hi this is loretta with reno p d with a report of small airplane crash into the rivers edge r v park in sparks

0103:33 GC at rivers edge we see it we uh got the fire reporting from our airport but thanks for additional info

0103:39 RPD you're welcome bye bye

0103:57 RTAA FD reno ground fire two

0103:59 GC fire two ground

0104:00 RTAA FD fire two plus two need to go north on alpha cross two five to the terminal

0104:05 GC fire two and company proceed as requested hold short of runway two five

0104:09 RTAA FD fire two plus two holding

0104:10 GC ground cross runway two five at alpha

0104:10 RTAA FD short runway two five um north on alpha

RNO-ATCT-0274
N985CA

Page 3 of 3

0104:12 LC1 cross runway two five on alpha g n

0104:14 GC e e

0104:16 GC fire two cross runway two five

0104:18 RTAA FD fire two plus two cleared to cross two five to the
terminal
0105

0106:00 RTAA FD reno ground fire two

0106:03 GC fire two ground

0106:04 RTAA FD fire two and fire four are leaving the airport to uh
respond to the incident fire five will be in command of
the arff ah with the guard under it's command

0106:14 GC fire two thank you

0106:48 FDX1359 uh ground fedex thirteen fifty nine

0106:51 GC fedex thirteen fifty nine ground

0106:52 FDX1359 uh was that the bonanza that was uh just to our left uh on
base

0106:56 GC affirmative
0107
(0108-0136)
0137

End of Transcript

SECTION 10.

FAA Form(s) 8020-3, Facility Accident/Incident Notification Record



N985CA

Date 8/30/16

Airport	KRNO
---------	------

The order and number of calls will be determined by the situation involved.

Form Updated by (Name, Title, Facility): Karl Scribner, ATM, Reno ATCT

Date: 4/11/2016

*Accidents requiring telephone notification to Washington shall be made immediately following notification for emergency equipment and/or search and rescue.

FAA Form 8020-3 (12-10) Supersedes Previous Edition

RND-ATCT-0274
N985CA

SECTION 11.
Weather Products

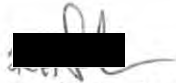
Reno ATCT

Weather Products 8/31/2016 UTC

METAR KRNO 310055Z 29017G20KT 10SM FEW100 FEW200 31/M05 A3001 RMK AO2 SLP104 FU
HZ ALQDS T03111050

METAR KRNO 310134Z 26014G21KT 10SM FEW100 FEW200 29/M04 A3000 RMK AO2 FU HX ALQDS
T02941044

I certify the attached copy of the METARSS originated from the APG-link to
archived weather is an accurate copy of the original.


Karl Scribner
Air Traffic Manager
Reno ATCT

RNO-ATCT-0274
N985CA

...

SECTION 12.

Other

UTC (Zulu) Time Conversion Chart

UTC (Zulu)	PST/ ALDT	PDT/ MST	MDT/ CST	CDT/ EST	EDT/ AST	ALST	HST
0000*	1600	1700	1800	1900	2000	1500	1400
0100	1700	1800	1900	2000	2100	1600	1500
0200	1800	1900	2000	2100	2200	1700	1600
0300	1900	2000	2100	2200	2300	1800	1700
0400	2000	2100	2200	2300	0000*	1900	1800
0500	2100	2200	2300	0000*	0100	2000	1900
0600	2200	2300	0000*	0100	0200	2100	2000
0700	2300	0000*	0100	0200	0300	2200	2100
0800	0000*	0100	0200	0300	0400	2300	2200
0900	0100	0200	0300	0400	0500	0000*	2300
1000	0200	0300	0400	0500	0600	0100	0000*
1100	0300	0400	0500	0600	0700	0200	0100
1200	0400	0500	0600	0700	0800	0300	0200
1300	0500	0600	0700	0800	0900	0400	0300
1400	0600	0700	0800	0900	1000	0500	0400
1500	0700	0800	0900	1000	1100	0600	0500
1600	0800	0900	1000	1100	1200	0700	0600
1700	0900	1000	1100	1200	1300	0800	0700
1800	1000	1100	1200	1300	1400	0900	0800
1900	1100	1200	1300	1400	1500	1000	0900
2000	1200	1300	1400	1500	1600	1100	1000
2100	1300	1400	1500	1600	1700	1200	1100
2200	1400	1500	1600	1700	1800	1300	1200
2300	1500	1600	1700	1800	1900	1400	1300
2400	1600	1700	1800	1900	2000	1500	1400

The time *0000 and 2400 are interchangeable. The time 2400 is associated with the date of the day ending, and 0000 with the day just starting.

UTC = Coordinated Universal Time, or Zulu
PST = Pacific Standard Time (UTC - 8 hours)
ALDT = Alaskan Daylight Time (UTC - 8 hours)
PDT = Pacific Daylight Time (UTC - 7 hours)
MST = Mountain Standard Time (UTC - 7 hours)
MDT = Mountain Daylight Time (UTC - 6 hours)
CST = Central Standard Time (UTC - 6 hours)
CDT = Central Daylight Time (UTC - 5 hours)
EST = Eastern Standard Time (UTC - 5 hours)
EDT = Eastern Daylight Time (UTC - 4 hours)
AST = Atlantic Standard Time (UTC - 4 hours)
ALST = Alaskan Standard Time (UTC - 9 hours)
HST = Hawaiian Standard Time (UTC - 10 hours)

RNO-ATCT-0274

N985CA