



**NATIONAL TRANSPORTATION SAFETY BOARD**

**Office of Aviation Safety  
Washington, D.C. 20594**

**December 30, 2017**

**Attachment 2: Original Flight Logs (6 Days)**

**OPERATIONAL FACTORS**

DCA17FA109



Form 104

Type Aircraft: SD330

N 334AC

ON DUTY DATE: 05/05/17 (Z) (LOG #) **135829**

FLIGHT LOG														
FROM	CRW	TO	FLT. #	FLT. CODE	DEPARTURE (z)	ARRIVAL (z)	FLIGHT TIME	# OF LANDINGS	DELAY CODES	P. F. (circle)	NIGHT	IFR	TYPE APP	BLOCK TIME
SDP			1254	R	0237/42	0358/03	1.3	1	/	CPT - F/O	1.4	1.0	125	1.4
			1260	R	/	/	.		/	CPT - F/O	.	.	.	.
					/	/	.		/	CPT - F/O	.	.	.	.
					/	/	.		/	CPT - F/O	.	.	.	.
					/	/	.		/	CPT - F/O	.	.	.	.
					/	/	.		/	CPT - F/O	.	.	.	.
SRPC Last done					/ /	PG. Total	.		CREW LOG	NAME	ON DUTY	OFF DUTY	TOTAL DUTY	BLOCK TIME
SRPC Next due					/ /	BRT. Fwd	28022.0	367.37	1. CPT	J Alvarado	01:45	:	:	.
Next VOR Chk. DUE					05/29/17	Adj. ±	.		2. F/O	A Ho	01:45	:	:	.
VOR Check							.		3.		:	:	:	.
Place:		Err. #1	Err. #2	↑ Total Airframe		Total Landings ↑		4.			:	:	:	.
TREND DATA		OAT °C	P.A.	IAS	Torque	PRPM	Ng	ITT	Fuel Flow	I have familiarized myself, within the last 90 days, with all available ma this flight. <span style="background-color: black; color: black;">[REDACTED]</span>				
LEFT										CPT. Sign <span style="background-color: black; color: black;">[REDACTED]</span>				
RIGHT		WX												
Weight & Balance Data FAR part 135 flights.														
Leg	# Pax	ID Check	TOW	MTOW	C.G. Limits Fwd.	C.G	C.G. Limits Aft.	Box check						
1	-	-	21032	22640	17.2	30.7	35.0	✓						
2	-	-	21435	<del>22940</del> 21958	17.2	31.0	35.0	✓						
3														
4														
5														
6														

PUT CARDBOARD UNDER YELLOW SHEET BEFORE WRITING. USE BALL POINT PEN. (PRESS HARD)

White - A/C Log, Yellow - Pilot Records

Photo 1 – Flight Log Page from May 5, 2017



Form 104

Type Aircraft: SD-330

N 334Ac

ON DUTY DATE: 05/03/17 (z) (LOG #) **135828**

FLIGHT LOG													
FROM	TO	FLT. #	FLT. CODE	DEPARTURE (z)	ARRIVAL (z)	FLIGHT TIME	# OF LANDINGS	DELAY CODES	P. F. (circle)	NIGHT	IFR	TYPE APP	BLOCK TIME
CPW													
SDT		1259	R	0254/02	0406/10	1.1		9/30	CPT - F/O	1.3	.0	VIS	1.3
CRW		1260	R	0915/28	1037/41	1.1			CPT - F/O	1.0	.0	VIS	1.4
				/	/	.		/	CPT - F/O	.	.		.
				/	/	.		/	CPT - F/O	.	.		.
				/	/	.		/	CPT - F/O	.	.		.
				/	/	.		/	CPT - F/O	.	.		.
SRPC Last done				/ /	PG. Total	2.2			CREW LOG				
SRPC Next due				/ /	BRT. Fwd	28019.8	36735		1. CPT	J Alvarado	09:45	11:30	9:45 2.7
Next VOR Chk. DUE				05/29/17	Adj. ±				2. F/O	A Ho	01:45	11:30	9:45 2.7
VOR Check						28022.0	36737		3.		:	:	:
Place:				Err. #1	Err. #2	↑ Total Airframe	Total Landings ↑		4.		:	:	:
TREND DATA		OAT °C	P.A.	IAS	Torque	PRPM	Ng	IIT	Fuel Flow	I have familiarized myself, within the last 90 days, with all available material for this flight. I			
LEFT										CPT. Signa			
RIGHT		WX											
Weight & Balance Data FAR part 135 flights.													
Leg	# Pax	ID Check	TOW	MTOW	C.G. Limits Fwd.	C.G.	C.G. Limits Aft.	Box check					
1	-	-	20083	22838	18.8	31.7	35	✓					
2	-	-	20357	22900	18.9	30.9	35	✓					
3													
4													
5													
6													

PUT CARDBOARD UNDER YELLOW SHEET BEFORE WRITING. USE BALL POINT PEN. (PRESS HARD)

White - A/C Log, Yellow - Pilot Records

Photo 2 – Flight Log Page from May 3, 2017



Form 104

Type Aircraft: SP-330

N 334AC

ON DUTY DATE: 05/02/17 (z) (LOG #) **135826**

FLIGHT LOG														
FROM	TO	FLT. #	FLT. CODE	DEPARTURE (z)	ARRIVAL (z)	FLIGHT TIME	# OF LANDINGS	DELAY CODES	P. F. (circle)	NIGHT	IFR	TYPE APP	BLOCK TIME	
	CRW													
	DKW	1259	R	0305/09	0327/29	1.3	1	/	CPT - F/O	.4	.2	VIS	.4	
	SDF	1255	R	0342/50	0530/34	1.7	1	/	CPT - F/O	1.9	.2	VIS	1.9	
		1260	R	0911/26	1022/25	.9	1	18/30	CPT - F/O	1.2	.1	VIS	1.2	
				/	/	.		/	CPT - F/O	.	.		.	
				/	/	.		/	CPT - F/O	.	.		.	
				/	/	.		/	CPT - F/O	.	.		.	
SRPC Last done				/ /	PG. Total	2.9	3		CREW LOG	NAME	ON DUTY	OFF DUTY	TOTAL DUTY	BLOCK TIME
SRPC Next due				/ /	BRT. Fwd	28014.5	26730		1. CPT	J Alvarado	01:45	11:00	9:15	3.5
Next VOR Chk. DUE				05/29/17	Adj. ±	.			2. F/O	A Ho	01:45	11:00	9:15	3.5
VOR Check						28017.4	26733		3.		:	:	:	.
Place:		Err. #1	Err. #2	↑ Total Airframe		Total Landings ↑			4.		:	:	:	.
TREND DATA		OAT °C	P.A.	IAS	Torque	PRPM	Ng	ITT	Fuel Flow	I have familiarized myself, within the last 90 days, with all available this flight				
LEFT										CPT. Sig				
RIGHT		WX												
Weight & Balance Data FAR part 135 flights.														
Leg	# Pax	ID Check	TOW	MTOW	C.G. Limits Fwd.	C.G.	C.G. Limits Aft.	Box check						
1	-	-	22254	22690	17.4	31.6	35.0	✓						
2	-	-	22257	22900	17.4	32.1	35.0	✓						
3	-	-	21552	22900	17.2	31.6	35	✓						
4														
5														
6														

PUT CARDBOARD UNDER YELLOW SHEET BEFORE WRITING. USE BALL POINT PEN. (PRESS HARD)

White - A/C Log, Yellow - Pilot Records

Photo 3 – Flight Log Page from May 2, 2017



Form 104

Type Aircraft: SD330

N 334AC

ON DUTY DATE: 4/29/17 (z) (LOG #) **135825**

FROM	TO	FLT. #	FLT. CODE	DEPARTURE (z)	ARRIVAL (z)	FLIGHT TIME	# OF LANDINGS	DELAY CODES	P. F. (circle)	NIGHT	IFR	TYPE APP	BLOCK TIME
CRW	SDA	1259	R	0229133	0356100	1.4	1	/	CPT - F/O	1.5	.0	VIS	1.5
CRW	ROA	1260	R	1054103	1228130	1.4	1	10130	CPT - F/O	1.8	.2	VIS	1.6
CRW	CRW	1260	D	130902	1340143	.6	1	/	CPT - F/O	.0	.2	VIS	0.7
				/	/	.		/	CPT - F/O	.	.		.
				/	/	.		/	CPT - F/O	.	.		.
				/	/	.		/	CPT - F/O	.	.		.

SRPC Last done	PG. Total	CREW LOG	NAME	ON DUTY	OFF DUTY	TOTAL DUTY	BLOCK TIME
SRPC Next due	BRT. Fwd	1. CPT	J Alvarado	01:45	04:00	12:15	3.8
Next VOR Chk. DUE	Adj. ±	2. F/O	A Ho	01:45	04:00	12:15	3.8
VOR Check		3.		:	:	:	.
Place:	Err. #1	Err. #2	↑ Total Airframe	Total Landings ↑	4.	:	.

TREND DATA	OAT °C	P.A.	IAS	Torque	PRPM	Ng	ITT	Fuel Flow	I have familiarized myself within the last 90 days with all available mater this flight. I ce
LEFT									[Redacted Signature]
RIGHT	WX								

Weight & Balance Data FAR part 135 flights.								
Leg	# Pax	ID Check	TOW	M/TOW	C.G. Limits Fwd.	C.G.	C.G. Limits Aft.	Box check
1	-	-	20116	22437	16.8	30.2	35.0	✓
2	-	-	20096	22849	16.8	30.0	35.0	✓
3								
4								
5								
6								

PUT CARDBOARD UNDER YELLOW SHEET BEFORE WRITING. USE BALL POINT PEN. (PRESS HARD)

White - A/C Log, Yellow - Pilot Records

Photo 4 – Flight Log Page from April 29, 2017



Form 104

Type Aircraft: SD330

N 334AC ON DUTY DATE: 04/28/17 (z) (LOG #) **135824**

FLIGHT LOG												
FROM TO	CRW FLT. #	FLT. CODE	DEPARTURE (z)	ARRIVAL (z)	FLIGHT TIME	# OF LANDINGS	DELAY CODES	P. F. (circle)	NIGHT	IFR	TYPE APP	BLOCK TIME
SDf	1259	R	0253/58	0418/23	1.3	1	/	CPT - F/O	1.5	.0	VIS	1.5
CR-	1260	R	0857/03	1005/10	1.0	1	08 / 30	CPT - F/O	1.2	.0	VIS	1.2
			/	/	.		/	CPT - F/O	.	.		.
			/	/	.		/	CPT - F/O	.	.		.
			/	/	.		/	CPT - F/O	.	.		.
			/	/	.		/	CPT - F/O	.	.		.
SRPC Last done	/	/	PG. Total	2.3		2		NAME	ON DUTY	OFF DUTY	TOTAL DUTY	BLOCK TIME
SRPC Next due	/	/	BRT. Fwd	28008.8	36725		1. CPT	J. Alvarado	01:45	11:00	9:15	2.7
Next VOR Chk. DUE	5/29/17		Adj. ±				2. F/O	A. Ho	01:45	11:00	9:15	2.7
VOR Check				28011.1	36727		3.		:	:	:	.
Place:				Err. #1	Err. #2	↑ Total Airframe	Total Landings ↑	4.	:	:	:	.
TREND DATA	OAT °C	P.A.	IAS	Torque	PRPM	Ng	ITT	Fuel Flow	I have familiarized myself, within the last 90 days, with all available material for the routes and airports to be flown on this flight.			
LEFT									CPT. Sig			
RIGHT	WX											
Weight & Balance Data FAR part 135 flights.												
Leg	# Pax	ID Check	TOW	MTOW	C.G. Limits Fwd.	C.G.	C.G. Limits Aft.	Box check				
1	-	-	20671	22690	16.9	31.2	35	✓				
2	-	-	21078	22900	17.1	32.1	35	✓				
3												
4												
5												
6												

PUT CARDBOARD UNDER YELLOW SHEET BEFORE WRITING. USE BALL POINT PEN. (PRESS HARD)

White - A/C Log, Yellow - Pilot Records

Photo 5 - Flight Log Page from April 28, 2017



Form 104

Type Aircraft: SD-330

N 334AC

ON DUTY DATE: 04/27/17(z) (LOG #) **135823**

FLIGHT LOG												
FROM TO	CRW FLT. #	FLT. CODE	DEPARTURE (z)	ARRIVAL (z)	FLIGHT TIME	# OF LANDINGS	DELAY CODES	P. F. (circle)	NIGHT	IFR	TYPE APP	BLOCK TIME
SDP	1254	R	0254 158	0426 131	1.5	1	/	CPT - E/O	1.6	.0	VIS	1.6
CRW	1260	R	0905 115	1022 126	1.1	1	01 / 30	CPT - F/O	1.3	.3	VIS	1.3
			/	/	.		/	CPT - F/O	.	.		.
			/	/	.		/	CPT - F/O	.	.		.
			/	/	.		/	CPT - F/O	.	.		.
			/	/	.		/	CPT - F/O	.	.		.
SRPC Last done	/	/	PG. Total	2.6	2	CREW LOG	NAME	ON DUTY	OFF DUTY	TOTAL DUTY	BLOCK TIME	
SRPC Next due	/	/	BRT. Fwd	28006.2	36723	1. CPT	J Alvarez	01:45	11:15	9:30	2.9	
Next VOR Chk. DUE	05/29/17	Adj. ±		.		2. F/O	A Ho	01:45	11:15	9:30	2.9	
VOR Check			28008.8	36725	3.			:	:	:	.	
Place:	Err. #1	Err. #2	↑ Total Airframe	Total Landings ↑	4.			:	:	:	.	
TREND DATA	OAT °C	P.A.	IAS	Torque	PRPM	Ng	ITT	Fuel Flow	I have familiarized myself, within the last 90 days, with all available material for the routes and airports to be flown on this flight. I certify that I am qualified to fly this aircraft on these routes and airports. CPT. Signature			
LEFT									[Redacted Signature]			
RIGHT	WX											
Weight & Balance Data FAR part 135 flights.												
Leg	# Pax	ID Check	TOW	MTOW	C.G. Limits Fwd.	C.G.	C.G. Limits Aft.	Box check				
1	-	-	20716	22640	17.1	30.7	35	✓				
2	✓	-	21394	22849	17.2	31.2	35	✓				
3												
4												
5												
6												

PUT CARDBOARD UNDER YELLOW SHEET BEFORE WRITING. USE BALL POINT PEN. (PRESS HARD)

White - A/C Log, Yellow - Pilot Records

Photo 6 - Flight Log Page from April 27, 2017