

# Memorandum

Date: April 22, 2015

To: Clark Desing, Director, Western Service Center



From: Kirk D. Swanson, Acting Manager, Anchorage Air Route Traffic Control Center

Subject: <u>INFORMATION</u>: Certification Statement Aircraft Accident, N9247C Whittier, AK, April 14, 2015

I certify that air traffic aircraft accident package, ZAN-ARTCC-0165, has been reviewed and is complete.

Aircraft Accident Package ZAN-ARTCC-0165 N9247C, C180 April 14, 2015, 2125 UTC Destroy: October 14, 2017 UTC SECTION 1. Table of Contents

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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)

<b>FAA Form</b>	8020-6.	Report	of Aircra	aft Accident

	DEPARTMENT OF TRANSPORTATION REPORT DATE REPORT NO.											
	FEDERAL AV	IATION ADM	INISTRATION		May 14, 2015 ZAN-ARTCC-0165							
	<b>REPORT OF</b> A	IPCRAI	т ассп	OFNT	NAME OF RE	PORTING FACILI						
							Anchorage ARTCC (ZAN)					
1. A	· · · · · · · · · · · · · · · · · · ·					3. LOCATION White	OF ACCIDENT tier, AK; 18 Mile	(MANDATORY) es East of Whitter,	Alaska			
	N9247C, C180		Apri	1 14, 2015; 212	5 UTC		ONGITUDE (OI N60 42 43.0000	PTIONAL) W147 50 22.000	0			
4. N/	ATURE OF ACCIDENT			******			5. TYPE OF FI	LIGHT				
		Crashed un	der unknown circ	cumstances				IFR Flight Plan				
	NAME	ITION		DRESS ND STATE)	UNINJURED	INJURED	FATALITY	UNKNOWN				
EW	Dale Carlson	Р	ilot	Wasi	illa, AK			x	·····			
FLIGHT CREW												
IGH												
			*****									
6.												
							<u></u>					
7. P	7. PASSENGER DATA     NUMBER     NUMBER     NUMBER     NUMBER       ABOARD     0     0     0     0											
	8. AIRCRAFT DAMAGE Destroyed 9. PROPERTY DAMAGE None											
	10. OPERATING STATUS OF NAVIGATIONAL AIDS/LIGHTS/COMMUNICATIONS Normal											
WEATHER DATA	REPORT JUST PRIOR T PORTAGE GLACIER M seven zero, visibility on five four	METAR - 2053 U e-quarter statute	miles, heavy sno	wind one two 2 w, fog, indefini	tero at one two, g te ceiling five h	gusts two six knots undred, temperatur	s, wind variable t re zero, dew poir	petween zero nine ht minus two, altim	zero and one leter two nine			
	FIRST REPORT SUBSE PORTAGE GLACIER N snow, fog, indefinite ceil	METAR - 2153 U	JTC: automated,					ie-quarter statute n	niles, heavy			
ED	NA	ME		FACILITY	OPERATING POSITION		E	CHECK IF YEWITNESS				
ATO PERSONNEL INVOLVED	Doug Raynor *(CR)		Z	AN ARTCC		7	R					
Z	Nathan Chiu (NC)		Z	AN ARTCC	7 A		A					
Ē	Thomas Lewis (TL)		Z	AN ARTCC		E2 1	FM		w			
NO												
ERS												
10									·····			
		in an				······						
12	*OPERATING INITIAL	S					· · · · · · · · · · · · · · · · · · ·					
ł.	SIGNATURE OF FACILITY D. Swanson											
	Form 8020-6 (12-14) Supersedes P	revious Edition		Electronic Version	n							
	17500 01/5											

	DEPARTMENT OF TRANSPORTATION	REPORT DATE	REPORT NO.						
ed.	FEDERAL AVIATION ADMINISTRATION	April 24, 2015	ZAN-ARTCC-0165						
~	REPORT OF AIRCRAFT ACCIDENT (Continuation Sheet)	NAME OF REPORTING FACILITY Kenai FS	S (ENA)						
14. CHRC	DNOLOGICAL SUMMARY OF FLIGHT								
Apri]	l 14, 2015								
		COORDINATED UNIVERSAL TIM HERWISE SPECIFIED	Έ						
1941	The pilot of N9247C called ENA FSS Preflight and requested clearance from IYS to VDZ. The specialist initially called ZAN sector 6 and was informed to call Anchorage Approach. The specialist then called Anchorage Approach and was told hold for release and they would call back with a clearance. The pilot was informed to call back in 5 minutes on the 800 number to the Flight Data position.								
1949	Anchorage Approach called on the Se released N9247C with a clearance IY								
1956	The pilot of N9247C called ENA FSS clearance from IYS to VDZ. The clea		nd requested						
			E jugo, all M.						
	NO MC	ore Follows							

FAA Form 8020-6-1 ZAN-ARTCC-0165 N9247C

PAGE of PAGES

	DEPARTMENT OF TRANSPORTATION	REPORT DATE	REPORT NO.						
er.	FEDERAL AVIATION ADMINISTRATION	May 06, 2015	ZAN-ARTCC-0165						
Ś	REPORT OF AIRCRAFT ACCIDENT	NAME OF REPORTING FACILITY							
	(Continuation Sheet)	Anchorage TR	ACON (A11)						
14. CHRONOLOGICAL SUMMARY OF FLIGHT									
April	14, 2015								
ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME UNLESS OTHERWISE SPECIFIED									
2004 N9247C calls A11 North Radar off Wasilla Airport at 1900' and is radar identified									
2005	Altitude verified on N9247C								
2010	10 N9247C is instructed to turn left heading 190								
2014	14 N9247C reports level at 9000'								
2017	17 N9247C is switched to All South Radar on 126.4								
2018	N9247C checks on with South Radar a	t 9000' and is given alti	meter 29.56						
2024	24 N9247C turned left heading 170								
2025	5 N9247C is manually handed off to Anchorage Center (ZAN)								
2026	026 N9247C is turned heading 120 and instructed to contact ZAN								
	No Mo	re Follows							

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DEPART	MEN	T OF TRANSP	ORTATION				
FEDERAL	. AVI	ATION ADMIN	ISTRATION				
REPORT	OF	AIRCRAFT	ACCIDENT				
(Continuation Sheet)							

REPORT DATE	REPORT NO.
May 14, 2015	ZAN-ARTCC-0165
NAME OF REPORTING FACILITY	
Anchorage A	ARTCC (ZAN)

14. CHRONOLOGICAL SUMMARY OF FLIGHT

April 14, 2015

#### ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME UNLESS OTHERWISE SPECIFIED

2025 All calls ZAN Sector 7 to coordinate manual transfer of N9247C on a heading of 120.

- 2027 N9247C checks in with ZAN Sector 7 at 9,000 feet, then requests 10,000 feet. 7R coordinates and is approved by A11 to climb N47C to 10,000 feet.
- 2028 7R inquires on N9247C's ride and advises the pilot of turbulence reported earlier by a B737. N47C has no ride complaints.
- 2036 7R gives N9247C direct PEPPI.
- 7R inquires N9247C on his requested approach at VDZ. N47C responds with the LDA 2040 approach.
- 2041 7R has N9247C switch to his frequency 119.3. N47C comes up on 119.3.
- 2116 7R asks N47C if he has the current weather for VDZ. The pilot responds with "negative." 7R issues the VDZ 2056Z weather observation. There are no NOTAMs for VDZ and none are issued by 7R.
- 2117 7R clears N9247C for the LDA DME Hotel approach to VDZ Airport.
- 2118 N9247C advises he is leaving ten thousand for eight.
- 2119 N9247C states he is having trouble with his engine, but transmission is blocked by other aircraft on frequency.
- 2120 N47C's airspeed drops from 100KTS to 70KTS and continues to slow out of 9,000 feet and descending.
- 2121 At 8,000 feet and 40KTS, N47C declares an emergency. There is a problem with his engine, possibly iced up. The pilot is going to try to descend below the deck and land on a beach.
- 2123 7R receives the last radar hit on N9247C just east of Perry Island. When radar is lost, aircraft is out of 6,500 feet and 40KTS before it goes into "CST" track. 7R advises the pilot radar contact is lost and pilot responds with "copy." This is the last transmission 7R has with the aircraft.
- 7R requests CFS922 to relay to N9247C on 119.3 and 121.5. 2124
- CFS922 passes along the information to N47C. The aircraft is out of 5,500 and 2125 trying to get below the deck, they hadn't broken out, yet. 7R continues to use CFS922 for relay.

2126 7R requests YUKLA02, H/E3, to try and capture on their radar a code of 2221 at

	DEPARTMENT OF TRANSPORTATION	REPORT DATE		
0	FEDERAL AVIATION ADMINISTRATION	May 14, 2015		
	REPORT OF AIRCRAFT ACCIDENT	NAME OF REPORTING FACILITY		
	(Continuation Sheet)	Anchorage		
14. CHR	ONOLOGICAL SUMMARY OF FLIGHT			

EPORT DATE				REPORT	NÖ.	
Мау	14,	2015		ZA	N-ARTCC-0165	
AME OF REPORT	FING FACI	LITY				
	Anc	horage	AF	TCC	(ZAN)	

their 4 o'clock and 40 miles.

2128 YUKLA02 is negative for code 2221 on their radar.

2130 CFS922 picks up an ELT on 121.5. 7R calls JNU FSS to advise of the emergency aircraft inbound to VDZ. 7R also inquires about a VFR target 45 miles west of JOH VOR at 9,000 feet that appears to be heading to VDZ. JNU FSS is unaware of who that is. 7R also tries to call for the VFR target in the blind with no response.

2131 7R requests CFS922 to broadcast again on 121.5 to see if pilot will respond.

2132 A moment later, CFS922 responds with "no joy and ELT went away as well."

2134 CFS922 tries to call N47C on 121.5 and still no joy.

2136 First ALNOT issued for N9247C.

No More Follows

SECTION 3. Review of Services Memo(s)

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# Memorandum

Date: April 24, 2015

To: Anchorage Air Route Traffic Control Center



From: Paulette L. Coleman, Manager, Kenai Flight Service Station

Subject: <u>INFORMATION</u>: Review of Services Memo Aircraft Accident, N9247C Whittier, AK, April 14, 2015

ENA FSS conducted a review of services concerning N9247C 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) OASIS EVR



# Memorandum

Date: May 14, 2015

To: Anchorage Air Route Traffic Control Center



Kent D. Peterson, Manager, Anchorage Terminal Radar Approach Control From: Facility

Subject: <u>INFORMATION</u>: Review of Services Memo Aircraft Accident, N9247C Whittier, AK, April 14, 2015

All TRACON conducted a review of services concerning N9247C 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 7230-10 FAA Form 8020-6-1 Personnel Log(s) Certified Original Copy(ies) of Voice Recording(s) Certified Working Copy(ies) of Voice Recording(s) Continuous Data Recording (CDR)



## Memorandum

Date: May 06, 2015

To: Anchorage Accident File ZAN-ARTCC-0165



From: Kirk D. Swanson, Manager, Anchorage Air Route Traffic Control Center

Subject: <u>INFORMATION</u>: Review of Services Memo Aircraft Accident, N9247C Whittier, AK, April 14, 2015

ZAN ARTCC conducted a review of services concerning N9247C 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)
Transcription(s) of Voice Recording(s)
Flight Progress Strip(s)
MEARTS Radar ERIT Data
SatoriM (beta)
Flight Strips
ALNOT
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SECTION 4. FAA Form(s) 7230-4, Daily Record of Facility Operation

					PAGE NO Page 1 of 2				
		ORD OF FAC	ILITY OPER	AHON	DATE Apr 14, 2015				
LOCATION		IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY				
Ar	chorage, AK	ZAN	ARTCC	Watch Desk	AIR TRAFFIC MANAGER Kirk D. Swansc				
UTC TIME		1 (1975) - 2 (1975) -	REMA	ARKS					
0800			s Log Revie	wed. SECON Level MU, and WC combine					
	CFPL: Shishaldi	n volcano a	viation col	or code ORANGE, Z	OA notified.				
	CFPL: TNC Radar	unavailabl	e OX						
0802	MEARTS Bell Check and AAID Resets Complete OX								
0810	OPSNET Data Ent								
0904	AAWU WX Briefing Received, low pressure system S CDB mov E 15-20kts, high level turbulence S of Port Alexander FL330-380 OX								
1122 ZAN SIGMET INDIA 5 valid until 141712 ANC FIR VA eruption Sheveluch volcano PSN N5639 E16122. ACN WZ									
1300 WCLC OX									
1332 D. Skieens on duty, above noted CK									
1359	1359 W. Zimmerman on duty, above noted WZ								
1525	P. McEwen on du	ty, above n	oted PA	ł					
1616	ZAN-M-2015/04/1	4-0001 A	SA41 DW						
1914	ZAN-M-2015/04/1	4-0002 C	FS3625 W	IZ					
2003	ZAN SIGMET INDIA 6 valid until 142312 ANC FIR VA eruption Sheveluch volcano PSN N5639 E16122. SFC/FL270. MOV ESE 25KT. NC WZ								
2030	W. Zimmerman on	duty, abov	e noted	WZ					
2136	ALNOT issued for N9247C C180 604243N14755022W lost engine at 21:28Z Enroute to VDZ WZ								
2211	604243N 1475022	the vicinity for 2	communicaitons were						
2230	PAZA SIGMET INDIA 7 Valid 142124/150324 for ANC FIR VA ERUPTION SHEVELUCH VOLCANO SFC-FL270 MOV ESE 25KT. ACN WZ								
2311	A. Klancher on	duty, above	noted	AK					
2320	CWA 101 VALID U MOD TURB BLW 06			ASKA AREA LLWS +/-	10-15KT AND OCNL				
2350	WCLC AK								
0120	CWA 102 VALID UN TO CONS MOD TUR				10-15KT AND OCNL				
0300	UTO radar unava	ilable	CK						
that all scheo accomplishe	/ that entries above are correct, duled operations have been d except as noted, and that all currences and conditions have	SIGNATURES(S) OF	WATCH SUPERVISOR(S	5)					

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FAA Form 7230-4 ZAN-ARTCC-0165 N9247C

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			u Li Li Li Li		PAGE NO Page 2 of 2
	DAILY RE	CORD OF FAC	CILITY OPERA	TION	DATE Apr 14, 2015
DCATION		IDENTIFICATION	TYPE FACILITY	OPERATING POSITION	CHECKED BY
An	chorage, AK	ZAN	ARTCC	Watch Desk	AIR TRAFFIC MANAGER Kirk D. Swanso
UTC TIME	- <u>.</u>	. t.	REMAR	KS	I
0514			Magadan succ	cessful AK	
0529	WCLC AK				
0555	D. Skieens on	duty, above	noted Ck	ζ	
0603	UTO radar ava:	ilable CH	X		
0759	COB CK				
0755					
-					
		CIONATUDE C(2) OF			
hat all schedu	hat entries above are correct, iled operations have been	SIGNATURES(S) OF	F WATCH SUPERVISOR(S)		
accomplished	except as noted, and that all irrences and conditions have				

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FAA Form 7230-4 ZAN-ARTCC-0165 N9247C

SECTION 5. Personnel Log(s)

PERSONNEL LO	DG		GION		ILITY		AREA ID			DAT		
		A	AL	ZI	<u>4N</u>	ZAN	I-3 (South	1) I	MONTH: A	PR DAY:	14 YEA	R: 20
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FAC NON	LITY, TRN	ABSENCI NG, TDY A NAL DUTI	ND
CABILAN, MELISSA ( MC ) 05:30 - 13:30	R	05:30	13:30	08+00			01+37	04+34				
MCCARTAN, AARON ( TO ) 05:30 - 13:30	R	05:30	13:30	08+00			01+38	04+53				
SKIEENS, DAVID ( CK ) 05:30 - 13:30	R	05:30	13:30	08+00			00+00	07+30				
SAUM, CASSANDRA ( SC ) 06:00 - 14:00	R	06:00	14:00	08+00			00+05	05+14				
JOHNSON, STEVEN ( MA ) 06:45 - 14:45	R	06:45	14:45	08+00			00+03	05+45				
MOODY, DOUGLAS ( DM ) 06:52 - 14:52	R	06:52	14:52	08+00			00+05	06+03				
HELLEEN, NICHOLAS ( NH ) 06:54 - 14:54	R	06:54	14:54	08+00			02+59	03+45				
ARNOLD, JAKE ( SJ ) 07:00 - 15:30	R	07:00	15:30	08+30			00+00	00+00				
BECKWITH, BRIAN ( VX ) 07:00 - 15:00	R	07:00	15:00	08+00			05+06	02+11				
BOYD, PAUL ( EB ) 07:00 - 15:30	R	07:00	15:30	08+30			00+00	00+00				
HARRIS, JEFFERY ( JF ) 07:00 - 15:30	R	07:00	15:30	08+30			00+00	00+00				
JOLIVETTE, SEAN ( GB ) 07:00 - 15:30	R	07:00	15:30	08+30			00+00	00+00				
ST. JOHN, JERRY ( SN ) 07:00 - 15:00	R	07:00	11:00	04+00	04+00	Leave	03+46	00+00				
SWEET, MICHAEL ( SW ) 07:00 - 15:30	R	07:00	15:30	08+30			00+00	00+00				
FLEETWOOD, STEVE ( FT ) 07:30 - 15:30	R	07:30	11:30	04+00	04+00	Leave	04+00	00+00				
GRIFFITH, AMANDA ( AY ) 07:55 - 15:55	<u>R</u> 8	07:55 15:55	15:55 16:30	08+35			06+35	01+45				
MARASCO, ERIKA ( ES ) 08:30 - 16:30	R	08:30	16:30	08+00			00+13	05+46				
CHIU, NATHAN ( NC ) 08:46 - 16:46	R	08:46	16:17	07+31	00+29	Leave	00+19	03+53				
	NAM	E	CODI	TIME ON	TIME OFF	INTLS	NAM		CODE	TIME ON	TIME OFF	IN
SUPERVISORY CERTIFICATE												
I	TH	E SIGNATU	IRES ABOV	E CERTIFY	THAT THE	ABOVE ENTE	RIES ARE COR Record of Facili	RECT			1	

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PERSONNEL LO	~	REG	GION	FAC	ILITY		AREA ID			DA	ſE	
PERSONNEL LO	G	A	AL	Z	AN	ZAN-	3 (South	1)	MONTH: A	PR DAY:	14 YEA	R: 201
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVE TYPE	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FAC NOM	LITY, TRN	ABSENCE IG, TDY A NAL DUTI	ND
BLUHM, DAVID ( DB ) 11:45 - 19:45	R	11:45	19:45	08+00			00+00	04+41				
MILLER, LOUIS ( ML ) 12:00 - 20:00	R	12:16	20:00	07+44	00+16	Leave	00+02	04+42				
DEROUCHIE, DEVON ( DJ )	R 9	12:20 20:20	20:20 21:00	08+40			01+56	06+44				
12:20 - 20:20 RAYNOR, RICHARD ( CR ) 12:46 - 20:46	R		16:18	03+32	04+28	Leave	00+01	01+14				
STEELE, NICOLLE ( NS ) 12:46 - 20:46	R	12:46	20:46	08+00			07+28	00+00		-d-t		
LEWIS, THOMAS ( TL ) 12:48 - 20:48	R	12:48	20:48	08+00			00+13	04+27				
COMER, RYAN ( RR ) 14:15 - 22:15	R	14:15	21:45	07+30	00+30	Leave	00+00	05+13				
WRIGHT, FRANKLAND ( FW ) 14:30 - 22:30	R	14:30	22:30	08+00			00+00	04+40				
SKIEENS, DAVID ( CK ) 22:00 - 06:00	9 R	21:30 22:00	22:00 06:00	08+30			00+00	07+54				
MCCARTAN, AARON ( TO ) 21:51 - 05:51	R	21:51	05:51	08+00			00+00	05+29				
CABILAN, MELISSA ( MC ) 21:57 - 05:57	R	21:57	05:57	08+00			00+00	04+30				
HELLEEN, NICHOLAS ( NH ) 22:57 - 06:57	R	22:57	06:57	08+00			00+00	00+00				
TIMOTHY, DAWN ( CT ) 05:30 - 13:30					08+00	Leave	00+00	00+00				
CLEMSON, CHRISTOPHER ( DC ) 14:00 - 22:00					08+00	Leave	00+00	00+00				
KINDRED, ROBERT ( TR ) 14:30 - 22:30					08+00	Leave	00+00	00+00				
TIMOTHY, DAWN ( CT ) 22:00 - 06:00					08+00	Leave	00+00	00+00				
ZASTROW, GLEN ( GZ ) RDO	8	21:45	05:45	08+00			00+00	05+13				
FITZSIMMONS, PATRICK (FZ) NAS												
	NAM		CODE	E TIME ON	TIME OFF	INTLS	NAME		CODE	TIME ON	TIME OFF	INTI
							····					
	THI (Signature	E SIGNATU is and times	RES ABOV in charge a	E CERTIFY	/ THAT THE	E ABOVE ENTRIE 7230-4, Daily Re	S ARE CORF	RECT y Operation)				

Form 7230-4 (Dec 08)

DEDCOMMEN		REC	GION	FAC	ILITY		A	REA ID			DA	TE	
PERSONNEL	LUG	A	AL	Zł	AN	Z.	AN - 3	(South	1)	MONTH: A	PR DAY	:14 YEA	R: 201
NAME	CODE	TIME ON	TIME OFF	HOURS ON DUTY	HOURS ON LEAVE	LEAVI TYPE	=	HOURS NON POSITION DUTIES ASGNDE	HOURS POSITION DUTIES ASGNDE	REMARKS FAC NON	LITY, TRI	ABSENC NG, TDY A NAL DUT	ND
FREIDEL, MATTHEW ( FR ) NAS													
JOHNSON, ZACHARY ( IZ ) NAS													
GRIFFITH, NEIL ( NE ) RDO													
JELLE, TYE ( JE ) RDO													
KUBITZ, RANDY ( RK ) RDO													
ROCKEY, ANDREW ( AW ) RDO													
TAKAO, LUCAS ( KO ) RDO													-
VARNER, JOANN ( JV ) RDO													
WESTBROOK, MICHEA ( WK ) RDO	1											****	
WILLIAMS, RYAN ( RY ) RDO													
	NAMI	Ξ	CODE	TIME ON	TIME OFF	INTLS		NAME		CODE	TIME ON	TIME OFF	INTL
SUPERVISORY CERTIFICATE								. System					
	, , , , , , , , , , , , , , , , ,												
	THI (Signature	E SIGNATU	RES ABOVI s in charge a	E CERTIFY	THAT THE	ABOVE EN		ARE CORF	RECT				

SECTION 6.

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

		POSIT	ION I	LOG				
(1) FACILITY ID	(2) POSITION IDEN	ITIFIER	(3) POS		(4) DATE			
ZAN	<b>7</b> R		R	04/14/2015				
(5) TIME ON	(6) INITIALS	(7) TIME OFF		(8) CODE	WHERE COMBIN	- 1		
		17-11-10-14-14-14-14-14-14-14-14-14-14-14-14-14-		┝──┼	(9) POSITION IDENTIFIER	(10) POSITIO TYPE		
0800	FZ	090	0	C				
0901	FR	105	8	С				
1059	IZ	125	9	С				
1300	FZ	133	0	С				
1331	MC	143	2	С	, .			
1433	SC	153	5	С				
1536	TO	170	7	С				
1708	VX	175	8	С				
1759	MJ	181	7	С				
1818	SC	195	1	С				
1952	DB	205	0	С				
2051	CR	220	5	С				
2206	ML	2314	4	С				
2315	ES	001	3	С				
CODE:			******			_ <u></u>		
C - ATCS/ATA					elopmental Monitorin			
S - Supervisor/Standard States F - Trainee/Devel	•	R	- Train Evalu		elopmental Certification	on/		

FOR OFFICIAL USE ONLY Public Availability to be determined under 5 U.S.C. 552

		POSIT	ION L	.OG	an a		
(1) FACILITY ID	(2) POSITION IDEN	TIFIER	(3) POS		(4) DATE		
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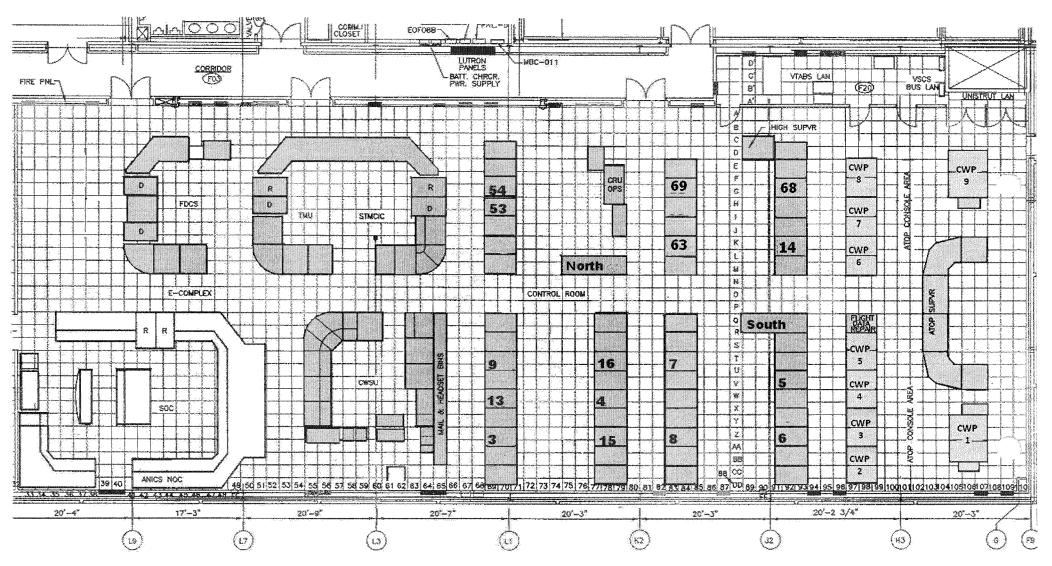
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SECTION 7. Facility Layout Chart(s) ANCHORAGE ARTCC

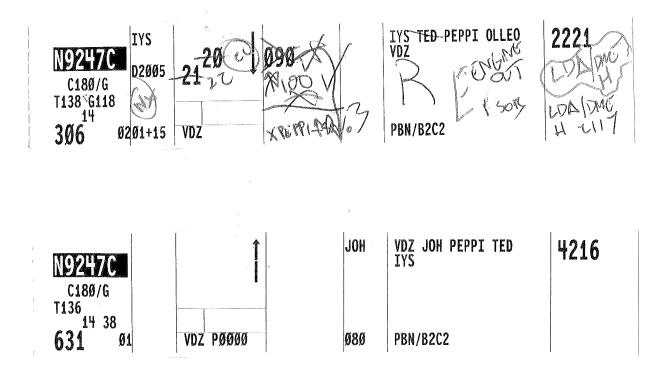


SECTION 8.

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Flight Progress Strip(s) and/or In-Flight Contact Record(s)

Flight Progrss Strip(s) Anchorage ARTCC April 14, 2015



SECTION 9. Transcription of Voice Recording(s)

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## Federal Aviation Administration

## Memorandum

Date: May 18, 2015

To: Aircraft Accident File ZAN-ARTCC-0165

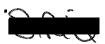
From: Anchorage Air Route Traffic Control Center

Subject: **INFORMATION**: Partial Transcript Aircraft Accident, N9247C Whittier, AK, April 14, 2015

This transcription covers the Anchorage Air Route Traffic Control Center (ARTCC) 7 R position for the time period from April 14, 2015, 1955 UTC, to April 14, 2015, 2209 UTC.

Agencies Making Transmissions	Abbreviations
Anchorage TRACON ZAN Sector 7R	A11 7R
General Aviation, U.S. Registration N9247C	N9247C
ZAN Sector 7R Relieving CPC	7r r
Juneau Flight Service Station (Radio)	JNU FSS
EMPIRE AIRWAYS (MISSOULA, MT), CFS921	CFS921
Controller-in-Charge	E2 FM
EMPIRE AIRWAYS (MISSOULA, MT), CFS922	CFS922
Military	YUKLA02

I certify that the following is a true transcription of the recorded conversations pertaining to the subject Aircraft Accident involving N9247C.



Stacey L Rice Quality Control Specialist Anchorage ARTCC

1955 (1956-2024) 2025 2025:21 All center sector seven south manual hand off

2025:32 7R seven

ZAN-ARTCC-0165 N9247C

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2025:33	A11	yeah six miles south of (unintelligible) code of two two two one is november niner two four seven charlie a cessna one eighty niner thousand heading one two zero your approval to ah valdez
2025:54	7r	(unintelligible) request on him in auto hand off it's not yeah i got the track on him
2025:54	A11	we've been having trouble with him the whole time so anyway he'll be heading one twenty your control
2025 <b>:</b> 57 2026	7R	okay no problem
2027 2027:02	N9247C	anchorage center november nine two four seven charlie with you nine thousand
2027:06	7r	november nine two four seven charlie anchorage center roger
2027 <b>:</b> 25	N9247C	center four seven charlie request ten thousand if i could
2027:28	7R	november four seven charlie ah standby
2027:34	7R	south ah seven forty seven
2027 <b>:</b> 37	A11	south's on
2027:38	7r	yeah ah november four seven charlie was my control for climb he wants up to one zero thousand
2027:41	A11	yes your control
2027:42	7R	delta bravo
2027:43	7R	november four seven charlie climb and maintain one zero thousand

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ZAN-ARTCC-0165 N9247C Page 3 of 11 four seven charlie climb and maintain ten thousand thank 2027:47 N9247C you 2027:50 7R welcome 2028 november four seven charlie how's your ride i had reports 2028:17 7R of continuous light occassional moderate turbulance below one four thousand five hundred by a boeing seven thirty seven ah my rides really good here (unintelligible) through 2028:25 N9247C ninety five hundred 2028:28 7r november four seven charlie roger 2029 2029:28 N9247C four seven charlies level at ten 2029:29 7R november four seven charlie roger 2030 (2031 - 2035)2036 2036:10 november four seven charlie proceed direct peppi 7R N9247C four seven charlie direct peppi 2036:14 2037 (2038 - 2039)2040 2040:42 november four seven charlie ah say your approach request 7R for valdez 2040:45 N9247C ah four seven charlie would like the 1 d a for valdez please 2040:48 november four seven charlie roger 7R 2041 2041:46 november four seven charlie change to my frequency one one 7R niner point three 2041:50 N9247C nineteen three for four seven charlie 2042 2042:08 N9247C anchorage approach four seven charlie's with ya on

nineteen three

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(2044 - 2047)

7R

2048 2048:39

2042:11	7R	november	four	seven	charlie	roger
2043						

okay ah seven here yakutat d m e 's out kenai nexrad's out fairbanks tacan's out ah your weather tops here seventeen five no issue on a guy that came out of cordova this way ah rides continuous light occassional moderate turbulence fourteen five descending into anchorage the ah heavy tanker just went in at yeska ah continuous moderate turbulence at thirteen at yeska i asked for lower to get underneath that stuff approach is too busy to answer me but what i wanted to do was find out when he got out of it but ah i haven't heard ah they wouldn't answer the line but ah their definitely that into anchorage there you got a new one he was filed out for that moderate by the tanker um eighteen's unusable v f r's at your airports i had everybody cancel going in there to both valdez and titlik and cordova actually um let's see no airspace is active you've got flow going on here ten miles in trail at the gate yeska gate two hundred eighty knots or less and traffic let's see he's got the two hundred eighty restriction on the witty five hundred eighty seven there at ten going direct to peppi for the 1 d a ah d m e hotel not inbound called yet ah nineteen three thirty three six they don't know about the weather out here yet talking to all three of these and ah no transfers

2049:06	7r r	ehhmm
2049:12	7r r	ehhmm
2049:15	7r r	okay
2049:18	7r r	okay
2049:24	7R R	okay
2049:37	7r r	okay
2049:49	7r r	ehhmm

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Page 5 of 1	1	
2050:00	7r r	who's on nineteen three
2050:01	7r	ah four seven charlie
2050:02	7r r	not on nineteen seven or nineteen three
2050:05	7R	nineteen three heading out here to ah valdez
2050:08	7r r	huh okay
2050:09	7R	he's been having a hard time
2050:13	7R R	roger
2050:14	7R	he should have been he should be over here so way up there at gail there
2050:20	7r r	got it
2050:21 2052 (2053-2055)	7r	it worked out there i f r
2056 2056 <b>:</b> 20	JNU FSS	juneau radio
2056:21	7R	anchorage eight inbound er seven inbound
2056:23	JNU FSS	go ahead
2056:24	7r	it's ah november nine two four seven charlie a cessna one eighty going to valdez two two two zero l d a d m e hotel
2056:34	JNU FSS	got it f x
2056:35 2057	7R	C r

ZAN-ARTCC-C N9247C	165	
Page 6 of 1	.1	
(2058-2115) 2116 2116:35	7R	cessna nine two four seven charlie do you have the ah valdez two zero five six zulu weather observation or something that's more current
2116:47	N9247C	negative four seven charlie
2116:51	7r	november four seven charlie the valdez two zero five six zulu automated weather wind calm visibility one zero few clouds at six thousand ceiling seven thousand five hundred broken niner thousand overcast temperature three
2117		dewpoint minus ten altimeter two niner six four
2117:14	N9247C	two niner six four four seven charlie thank you sir
2117:21	7R	and november four seven charlie cross peppi at or above eight thousand cleared the 1 d a d m e hotel approach to the valdez airport
2117 <b>:</b> 33 2118	N9247C	cross peppi at or above eight thousand cleared for the l d a hotel at valdez four seven charlie
2118:50	N9247C	four seven charlie leaving ten for eight
2118:51	7R	(unintelligible) anchorage center sector seven at cordova
2118:56	JNU FSS	okay
2118:57	7r	alaska sixty one seven thirty seven cordova two one three
2119		two r n p mike runway nine
2119:02	JNU FSS	okay i've got him we still got that ah other guy coming in oh wait a minute i guess he's off the list (unintelligible)
2119:07	CFS921	anchorage center good afternoon empire nine twenty one flight level two four zero (unintelligible)
2119 <b>:</b> 13	7r	(unintelligible) yes he's already heading back to anchorage so he must have canceled earlier

ZAN-ARTCC-( N9247C	0165	
Page 7 of 3	11	
2119 <b>:</b> 17	7R	and calling anchorage center i was on the landline say again please
2119:20	N9247C	four seven charlie leaving ten thousand for eight and i'm having trouble with my engine sir
2119:25 2120 2121	7R	november four seven charlie roger on the descent
2121	N9247C	four seven charlie is declaring an emergency i'm having a problem with my engine i think i it's all iced up i believe descending for peppi for four thousand
2121:43	E2 FM	we've got an emergency
2121:44	7R	november nine two four seven charlie understand ah problem with your engine declaring an emergency and ah number of souls on board is the engine out or are you still ah able to ah continue
2121 <b>:</b> 55 2122	N9247C	four seven charlie i have ah windmilling power and it's ah pretty poor shape but i'm still ah maintaining forward airspeed (unintelligible) descending for peppi at four thousand
2122:09	7r	november four seven charlie ah roger you're coming in a little bit scratchy ah right now i am showing you over um an island you're about to head out over a little bit of water ah are you gonna try to continue to ah valdez or ah some other place along your route
2122:26	N9247C	ah four seven charlie i'm gonna try and get below the deck here and maintain ah gonna circle my way down over this island and see if i ah have room to get down on the beach maybe
2122:37	7r	november four seven charlie roger say number of souls on board
2122:41	N9247C	four seven charlie one

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2123

2124

2122:42 7R november four seven charlie thank you

2123:30 7R november four seven charlie if you can hear center the last radar hit ah you're off my radar now you were ah northeastbound past the ah island i was showing on my radar ah i'm not sure if you're able to get below the deck yet or not ah but i was showing the island behind you now

2123:49 N9247C four seven charlie copy

2124:13 7R empire nine twenty one ah change back to my frequency one one niner point three one one niner point three also monitor guard please

2124:23 7R that's for empire nine twenty two change to one one niner point three also monitor guard

2124:37 CFS922 alright we're up on ah nine thirty two nineteen three monitoring guard

2124:43 7R empire nine twenty two roger descend at pilot's discretion maintain one two thousand twelve thousand anchorage altimeter two niner five one

2124:49 CFS922 pilot's discretion down to twelve thousand two two niner five one empire ah nine twenty two

2125

2125:06 CFS922 okay you're at fifty five hundred

2125:17 CFS922 and anchorage empire ah nine twenty two passing along that ah the aircraft i think it was nine two charlie ah at fifty five hundred they haven't broken out yet and the ah prop is windmilling it has not fired yet

2125:31 7R empire nine twenty two roger ah i can't hear him on frequency anymore so i'm gonna be looking for relays through you if you would please

2125:40 CFS922 no problem sir we can do that

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2125:53	7R	yukla zero two center
2125 <b>:</b> 57	YUKLA02	go ahead for yukla zero two
2125:59	7R	yukla zero two are you able to ah have the folks in the back pick up a code of two two two one that's code two two two one it would be about your four o clock and forty miles low level
2126		
2126:16 2127	YUKLA02	yes sir (unintelligible) we'll help you out
2128 2128:25	YUKLA02	and center yukla zero two (unintelligible) try to pick him up
2128:30 2129	7R	yukla zero two roger
2129:42	7r	v f r aircraft four five miles west of johnstone v o r at niner thousand two hundred are you monitoring center come up on my frequency one one niner point three
2130		
2130:04	CFS922	anchorage empire ah nine twenty two
2130:07	7R	empire nine twenty two go ahead
2130:10	CFS922	we're picking up an e l a strong e l t on twenty one decimal five
2130:14	7R	empire nine twenty two roger
2130:24	JNU FSS	juneau radio
2130:25	7R	anchorage center sector five reference nine two four nine two four seven charlie to valdez
2130:30	JNU FSS	yeah
2130:31	7R	ah he has emergency he has crash landed and ah do you know if there's a v f r aircraft heading towards valdez now at niner thousand ah you don't happen to be talking to that

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#### aircraft do you

2130:45 JNU FSS ah no i'm not ah the only one that i was talking to is a ah ah cessna one ah eighty and he should be at three thousand feet coming around cordova

2130:57 7R okay is there any ah possible um coast guard aircraft or helicopters out there

2131

- 2131:01 JNU FSS not that not that i'm talking to no and where was four seven charlie at was he at valdez
- 2131:06 7R no he was on his way there he's ah on an island um out in the inlet
- 2131:11 JNU FSS okay no i don't have anybody there ah and ah this guy that i'm talking to three one bravo's actually gonna be landing at valdez for gas
- 2131:21 7R okay i see someone out there but he's at eight thousand he's descending eight thousand seven hundred he's inbound towards valdez but that's probably not him

2131:27 JNU FSS no that's not who i'm talking to

- 2131:28 7R okay okay alright ah yeah this guys about forty miles to the west of johnstone v o r
- 2131:34 JNU FSS okay so i'm gonna take him off the list that he's obviously not going to valdez
- 2131:39 7R affirmative
- 2131:40 JNU FSS okay thanks f x
- 2131:41 7R cr
- 2131:45 7R empire nine twenty two can you broadcast on a emergency

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Page 11 of	11	· · ·
2132		frequency and see if you can raise nine two four seven charlie see if the pilot will respond
2132:16	7r	empire nine twenty two center
2132:22	CFS922	yes sir ah we tried to broadcast on one two one decimal five for four seven charlie ah no joy the e l t went away as well
2134 2134:36	CFS922	and ah empire nine twenty two we're trying to reach ah nine two four seven charlie on one twenty one five (unintelligible) still no joy
2134:44	7R	air canada zero two nine stand-by empire nine twenty two say again
2134 <b>:</b> 49	CFS922	we tried to reach ah four seven charlie on twenty one five just a squelch off but still no joy
2134:55	7R	empire nine twenty two roger ah thank you for trying
2135:00	CFS922	we're in the descent now for empire nine twenty two for one two twelve thousand
2135:04 2136 2137 2138	7R	empire nine twenty two roger
2138:28	7r	empire nine twenty two contact anchorage approach one two six point four
2138:34 2139 (2140-2208) 2209	CFS922	twenty six point four
		End of Transcript

SECTION 10.

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

(

FACILITY ACCIDENT/INCIDENT NOTIFICATION RECORD

Date 04/14/2015 Airport VDZ

Aircraft Identification N9247C

The order and number of call will be determined by the situation involved.				
			In	itials
	Phone No.	Time	Caller	Recipient
Airport Emergency Equipment	NA			•
Additional Emergency Equipment	NA			
Search and Rescue (RCC) x 1103	MANY COMMENT	21:23	WZ	BREWER
*Washington Operations Center (WOC)				à
Region Operations Center (ROC)	MM 103	21:30	AK	PATTY
Domestic Events Network (DEN) DEN のHoいに	». مري	21:33	AK	?'
Air Traffic Manager PAGED AND SQ CAME TO OPS	- Ather Alassa	21:34	AK	SQ
Flight Standards District Office (FSDO)	a constraints and			
System Safety Investigations	4000000000		,	
National Transportation Safety Board (NTSB)				
System Maintenance Organization Manager	SCTLY TO			
Law Enforcement				
National Weather Service (NWS)	"Notice and the second second			
Military Authority	· ····			
Airport Authority	Allenander			
Aircraft Operator				
Operational Control Center (OCC)	An and a state of the state of			
COAST GUARD	× 1103	21:42	WZ	BIRCH
WSC QUALITY Control	x 1103	22:51	PAY AMO	Schmidt
Fitz	X1103	22:54	'PA	53
•				
·				
/				
Form Updated by (Name, Title, Facility):	tim			Date: 4/14/15
* Accidents requiring telephone notification to Washington shall be made immediately following notification	on for emergency equipmer	nt and/or search ar	nd rescue.	

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SECTION 11. Weather Products .

#### Anchorage ARTCC

Weather Products 4/14/2015 UTC

METAR PATO 142053Z AUTO 12012G26KT 090V170 1/4SM +SN FG VV005 00/M02 A2954 RMK AO2 PK WND 12028/1954 SLP002 P0006 60020 T00001017 58011 TSNO

METAR PATO 142153Z AUTO 10013G22KT 1/4SM +SN FG VV005 00/M02 A2953 RMK AO2 PK WND 11037/2115 SLP000 P0005 T00001017 TSNO

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

Stacey L Rice Quality Control Specialist Anchorage ARTCC



Federal Aviation Administration

# Memorandum

Date:	April 27, 2015
To:	Clark Desing, Director, Western Service Area
From:	Kirk D. Swanson, Acting Manager, Anchorage Air Route Traffic Control Center
Subject:	<b>INFORMATION:</b> Certification Statement- Weather Products
	Aircraft Accident, N9247C
	Whittier, AK, April 14, 2015

I certify the following weather products are the original documents obtained from the Anchorage ARTCC Center Weather Service Unit on April 14, 2015.

CNTRL GLF CST AD...VALID UNTIL 150800 ...CLOUDS/WX... \*\*\*AIRMET STG SFC WND\*\*\*OFFSHORE SUSTAINED SFC WNDS 30 KTS OR GTR. NC... \*\*\*AIRMET MT OBSC\*\*\*MTS OCNL OBSC IN CLDS/PCPN. NC... SCT025 BKN060 LYRD ABV TO FL250. OCNL BKN025 VIS 3-5SM -SHSN/SHRA. KENAI PEN ISOL CIGS BLW 010 VIS BLW 3SM -SHSN. OFFSHORE WND E 35G45 KTS. ELSW SFC WND E G 25 KTS. OTLK VALID 150800-151400...MVFR CIG SN/RA. ...TURB... \*\*\*AIRMET TURB\*\*\*NW MONTAGUE IS OCNL MOD TURB BLW 040. NC... ...ICE AND FZLVL... ISOL MOD ICEIC 040-100. FZLVL 010.

TAF PAVD 141731Z 1418/1518 VRB04KT P6SM SCT060 OVC100 FM150000 VRB04KT P6SM VCSH SCT040 OVC060 FM151000 VRB03KT 6SM -SN OVC035 AMD LTD TO CLD VIS AND WIND=

METAR PAVD 142056Z 00000KT 10SM FEW060 BKN075 OVC090 03/M10 A2964=

PAVD 142116Z 00000KT 10SM FEW060 BKN075 OVC090 03/M10 A2963=

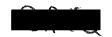
METAR PAVD 142116Z 00000KT 10SM FEW060 BKN075 OVC090 03/M10 A2963 RMK AO1 2047Z WEA: NONE TWR WND 31004KT 280V340=

PAVD 142136Z 00000KT 10SM FEW060 BKN075 OVC090 03/M10 A2963=

METAR PAVD 142136Z 00000KT 10SM FEW060 BKN075 OVC090 03/M10 A2963 RMK A01 2047Z WEA: NONE TWR WND 31004KT 280V340=

METAR PAVD 142156Z 26004KT 10SM SCT060 OVC070 03/M10 A2963 RMK A01 2147Z WEA: VCSH NE TWR WND 28004KT=

I certify the attached copy of the PAVD (Valdez, Alaska) weather products originated from the Anchorage ARTCC Center Weather Service Unit (CWSU) and is an accurate copy of the original.

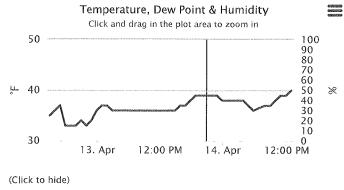


Stacey Rice

Anchorage ARTCC Quality Control Specialist

THIS WEATHER IS FOR SECTOR 38 VDZ M 2136Z ØØØØØKT 1ØSM FEWØ6Ø BKNØ75 OVCØ9Ø Ø3/M1Ø A2963 RMK A01 2047Z WEA: N ONE TWR WND 31ØØ4KT 28ØV34Ø





Temperature ---- Dewpoint Rel Humidity

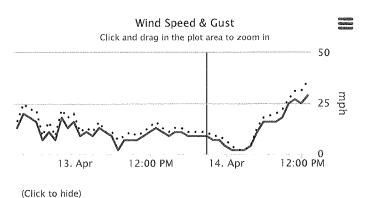
### Weather Conditions for:

Buoy 46060, . <u>46060</u> (MARITIME) Elev: 0 ft; Latitude: 60.60000; Longitude: -146.80000

Current time: Tue, 14 Apr 2:05 pm AKDT Most Recent Observation: Tue, 14 Apr 12:50 pm Explanation of Wx and Clouds columns.

Γ	Time	Temp.	Wind	Wind	Wind	Sea Level	Water	Wave	Dominant	Primary	Primary	Primary
			Chill	Direction	Speed	Pressure	Temp	Height	Period	Swell Hgt	Swell Per	Swell Dir
	(AKDT)	(f)	(f)		(mph)	(mb)	(f)	(ft)	(sec)	(ft)	(sec)	
	4 Apr 12:50 pm		29		29G36	1001.5	42	3.28	5			
1	4 Apr 11:50 am				25G31	1001.9	42	3.28	4			
1	4 Apr 10:50 am			ESE	27G31	1002.0	42	3.28	4			
1	4 Apr 9:50 am	38	27			1002.4	42	1.97	4			
1	4 Apr 8:50 am	37		ESE		1002.9	42	1.64	3			
1	4 Apr 7:50 am	37		ESE	16 <b>G20</b>	1003.2	42	1.31	3			
1	4 Apr 5:50 am	36				1003.7	42	0.98	9			
1	4 Apr 4:50 am	37			11G13	1003.8	42	0.66	0			
1	4 Apr 3:50 am	38			4G04	1003.9	42	0.66	0			
1	4 Apr 2:50 am	38		SE	2G02	1004.1	42	0.66	0			
1	4 Apr 1:50 am	38		NW	2G02	1004.0	42	0.98	10	1.64	10	SSW
1	4 Apr 12:50 am	38		W	2G04	1004.0	42	0.66	0			
1	3 Apr 11:50 pm	38		WNW	4G07	1003.9	42	0.66	0			
1	3 Apr 10:50 pm	39		WNW	7G09	1003.9	42	0.66	0			
1	3 Apr 9:50 pm	39		WNW	7G09	1004.0	42	0.98	10			
1	3 Apr 8:50 pm	39	33	WNW	9G11	1004.1	42	0.98	9			
1	3 Apr 7:50 pm	39	33	WNW	9G11	1004.3	42	0.98	8			
1	3 Apr 6:50 pm	39	33	WNW	9G11	1004.7	42	0.98	3			
1	3 Apr 5:50 pm	38	32	WNW	9G11	1005.1	42	0.98	8			
1	3 Apr 4:50 pm	37	29	WNW	11G13	1005.5	42	0.66	0			
1	3 Apr 3:50 pm	37	29	WNW	11G13	1005.8	42	0.98	9			
1	3 Apr 2:50 pm	36	29	NW	9G11	1006.1	42	0.98	10			
1	3 Apr 1:50 pm	36	28	NW	11G13	1006.1	42	1.31	3			
1	3 Apr 12:50 pm	36	27	NNW	13G16	1006.0	42	0.98	9			
1	3 Apr 10:50 am	36	29	NW	9G11	1006.0	42					
1	3 Apr 9:50 am	36		NNW	7G09	1006.1	42	0.98	8			
1	3 Apr 8:50 am	36		N	7G11	1006.2	41	0.98	8			
	3 Apr 7:50 am	36			7G09	1006.3	41	1.31	8	1.64	8	s
	3 Apr 6:50 am	36			2G07	1006.6	41	0.98	7	1.64	7	s
	3 Apr 5:50 am	36			9G11	1006.6	41	1.31	8	1.64	8	S
1	3 Apr 4:50 am	36			11G11	1006.6	41	1.64	8	1.64	8	SSE
1	3 Apr 3:50 am	36	27			1006.5	41	1.64	10	1.64	10	S
1	3 Apr 2:50 am	36	29		9G11	1006.5	41	1.97	8	1.64	8	S
	3 Apr 1:50 am	37			11G13	1006.5	41	1.97	9	1.64	9	ssw
	3 Apr 12:50 am	37	30		9G11	1006.2	41	1.97	3	1.64	8	SSW
	•											

http://www.wrh.noaa.gov/mesowest/getobext.php?sid=\_46060&banner=gmap&raw=0

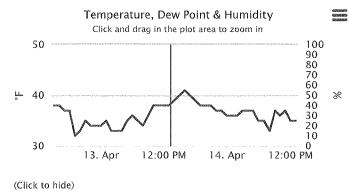


----- Speed ·· Gust

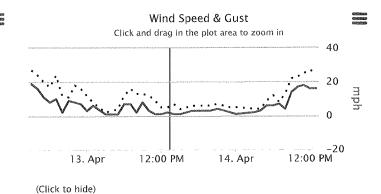
4/2015				e de la companya de				OBS:B	uoy 46060		P
12 Apr 11:50 pm	36	26	ESE	16 <b>G</b> 2	,005.6	41	1.97	3	1.64	8	س
12 Apr 10:50 pm	34	25	SSE	13G18	1005.2	41	1.97	3	1.64	8	SSW
12 Apr 9:50 pm	33	22	SSW	18 <b>G22</b>	1004.6	41	1.97	3	1.64	8	SSW
12 Apr 8:50 pm	34		SSE	7G09	1003.7	41	1.97	4	1.64	4	S
12 Apr 7:50 pm	33	24	S	11G16	1003.0	41	2.3	4	1.64	8	S
12 Apr 6:50 pm	33		Ε	7G09	1002.3	41	2.62	4	1.64	8	S
12 Apr 5:50 pm	33	23	S	16 <b>G22</b>	1001.9	42	2.62	4	1.64	9	SW
12 Apr 4:50 pm	37	27	SE	18 <b>G22</b>	1000.6	42	2.95	4	1.64	10	S
12 Apr 3:50 pm	36	25	ESE	20G25	1000.0	42	2.95	4	1.64	9	S
12 Apr 2:50 pm	35	26	SE	13G16	999.3	42	2.95	5	1.64	10	SSE

---- Speed · · Gust





Temperature - Dewpoint Rel Humidity



Weather Conditions for:

SEAL ISLAND, AK. <u>SELA2</u> (HADS) Elev: 15 ft; Latitude: 60.42389; Longitude: -147.40361

Current time: Tue, 14 Apr 2:04 pm AKDT Most Recent Observation: Tue, 14 Apr 1:00 pm AKDT Explanation of Wx and Clouds columns.

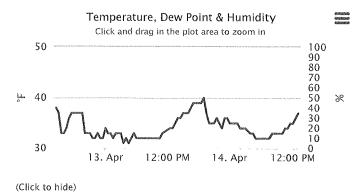
Time	Temp.	Wind	Wind	Wind
		Chill	Direction	Speed
(AKDT)	(f)	(f)		(mph)
14 Apr 1:00 pm AKDT	35	25	ESE	16 <b>G25</b>
14 Apr 12:00 pm AKDT	35	25	ESE	16 <b>G27</b>
14 Apr 11:00 am AKDT		27	ESE	18 <b>G25</b>
14 Apr 10:00 am AKDT	36	26	ESE	17 <b>G23</b>
14 Apr 9:00 am AKDT	37	28	ESE	14G22
14 Apr 8:00 am AKDT	33		WSW	4G13
14 Apr 7:00 am AKDT	35		W	7G08
14 Apr 6:00 am AKDT	35		SW	6G12
14 Apr 5:00 am AKDT	37		ESE	6G09
14 Apr 4:00 am AKDT	37		SE	3G04
14 Apr 3:00 am AKDT	37		S	2G04
14 Apr 2:00 am AKDT	36			G02
14 Apr 1:00 am AKDT	36			G04
14 Apr 12:00 am AKDT	36		W	1G05
13 Apr 11:00 pm AKDT	37		W	2G05
13 Apr 10:00 pm AKDT	37			G08
13 Apr 9:00 pm AKDT	38		SW	4G07
13 Apr 8:00 pm AKDT	38		SW	3G06
13 Apr 7:00 pm AKDT	38		SSW	3G06
13 Apr 6:00 pm AKDT	39		SSW	3G06
13 Apr 5:00 pm AKDT	40		SW	3G06
13 Apr 4:00 pm AKDT	41			G04
13 Apr 3:00 pm AKDT	40		N	1G04
13 Apr 2:00 pm AKDT	39		N	1G07
13 Apr 1:00 pm AKDT	38		N	2G05
13 Apr 12:00 pm AKDT	38		N	1G05
13 Apr 11:00 am AKDT	38		N	1G09
13 Apr 10:00 am AKDT			N	3G12
13 Apr 9:00 am AKDT	36		NNE	8G13
13 Apr 8:00 am AKDT	34		N	2G13
13 Apr 7:00 am AKDT	35		NNE	7G16
13 Apr 6:00 am AKDT	36		SE	7G12
13 Apr 5:00 am AKDT	35		NNE	1G04
13 Apr 4:00 am AKDT	33			G03
13 Apr 3:00 am AKDT	33		Ň	1G02
			••	

http://www.wrh.noaa.gov/mesowest/getobext.php?sid=SELA2&banner=gmap&raw=0

4/14/2015

14/2015		1 and	
13 Apr 2:00 am AKDT	33	and the second se	J8
13 Apr 1:00 am AKDT	35	SSW 6	G08
13 Apr 12:00 am AKDT	34	SSE 3	G12
12 Apr 11:00 pm AKDT	34	SSE 7	G16
12 Apr 10:00 pm AKDT	34	SSE 8	G18
12 Apr 9:00 pm AKDT	35	28 SSW 9	G11
12 Apr 8:00 pm AKDT	33	S 20	G12
12 Apr 7:00 pm AKDT	32	24 SW 1	0 <b>G24</b>
12 Apr 6:00 pm AKDT	37	S 8	G17
12 Apr 5:00 pm AKDT	37	29 SW 1	1 <b>G20</b>
12 Apr 4:00 pm AKDT	38	29 SW 10	6 <b>G24</b>
12 Apr 3:00 pm AKDT	38	28 SSW 1	9 <b>G27</b>

OBS:SEAL ISLAND



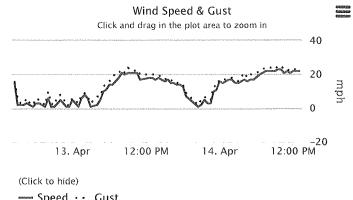
----- Temperature ---- Dewpoint ----- Rel Humidity

# Weather Conditions for:

Potato Point, AK. POTA2 (MARITIME) Elev: 23 ft; Latitude: 61.06000; Longitude: -146.70000

Current time: Tue, 14 Apr 2:07 pm AKDT Most Recent Observation: Tue, 14 Apr 1:00 pm Explanation of Wx and Clouds columns.

Time	Temp.	Wind	Wind	Wind	Sea Level
		Chill	Direction	Speed	Pressure
(AKDT)	(f)	(f)		(mph)	(mb)
14 Apr 1:00 pm	37	26	NNE	22G24	1003.2
14 Apr 12:30 pm	n 36	25	NNE	22G23	1003.4
14 Apr 12:00 pm	ı 35	23	NNE	22G23	1003.5
14 Apr 11:30 am		24	NNE	21G22	1003.7
14 Apr 11:00 am	34	22	NNE	22G23	1003.8
14 Apr 10:30 am		22	NNE	21G23	
14 Apr 10:00 am	33	21	NNE	23G25	1003.8
14 Apr 9:30 am	33	21	NNE	23G25	
14 Apr 9:00 am	33	21	NNE	22G23	1003.9
14 Apr 8:30 am	33	21	NNE	22G24	1003.9
14 Apr 8:00 am	33	21	NNE	22G24	1003.7
14 Apr 7:30 am	32	19	NNE	22G24	1003.9
14 Apr 6:30 am	32	20		20G22	1004.1
14 Apr 5:30 am	32	21	NNE	17G20	1004.1
14 Apr 5:00 am	32	21	NNE	17 <b>G20</b>	1004.0
14 Apr 4:30 am	33	23	NNE	16G18	1003.9
14 Apr 4:00 am	33	22	NNE	17 <b>G21</b>	1003.9
14 Apr 3:00 am	34	24	NNE	15G16	1003.9
14 Apr 2:30 am	34	24	NNE	15G17	1004.0
14 Apr 2:00 am	34	23	NNE	17G18	1003.9
14 Apr 1:30 am	35	25	NNE	17G18	1003.7
14 Apr 1:00 am	35	25	NNE	16G17	1003.7
14 Apr 12:30 am			NNE	15G17	1003.8
14 Apr 12:00 am			NE	16G17	1003.6
13 Apr 11:30 pm		28	NNE	11G13	1003.7
13 Apr 11:00 pm	36	29	NE	10G13	1003.8
13 Apr 10:30 pm	34		NNE	3G05	1003.9
13 Apr 10:00 pm	35		NNE	3G05	1003.9
13 Apr 9:30 pm	36		N	5G07	1003.8
13 Apr 9:00 pm	35		N	2G05	1003.8
13 Apr 8:30 pm	35		NNW	1G02	1003.9
13 Apr 8:00 pm	35			G01	1003.9
13 Apr 7:30 pm	37			G02	1003.9
13 Apr 7:00 pm	40			G01	1004.1
13 Apr 6:30 pm	39		NNE	7G09	1004.2



- Speed 💀 Gust

4/14/2015	

/14/2015										
13 Apr 6:00 pm	39	31	NNE	13G1	.004.2					
13 Apr 5:30 pm	39	31	NNE	14G15	1004.3					
13 Apr 5:00 pm	39	31	NNE	14G15	1004.6					
13 Apr 4:30 pm	38	29	NE	15G15	1004.7					
13 Apr 4:00 pm	37	28	NNE	15G17	1005.0					
13 Apr 3:30 pm	37	27	NNE	17G18	1005.2					
13 Apr 3:00 pm	37	28	NNE	16G17	1005.2					
13 Apr 2:30 pm	36	26	NNE	17G18	1005.4					
13 Apr 2:00 pm	36	26	NNE	18 <b>G20</b>	1005.5					
13 Apr 1:30 pm	35	25	NNE	17 <b>G20</b>	1005.7					
13 Apr 1:00 pm	34	23	NNE	18 <b>G20</b>	1005.7					
13 Apr 12:30 pm	34	23	NNE	18 <b>G20</b>	1005.9					
13 Apr 11:00 am	33	22	NNE	17 <b>G20</b>	1005.9					
13 Apr 10:30 am	32	20	NNE	21G23	1006.2					
13 Apr 10:00 am	32	20	NNE	21G22	1006.2					
13 Apr 9:30 am	32	20	NNE	21G23	1006.4					
13 Apr 9:00 am	32	20	NNE	21G24	1006.5					
13 Apr 8:30 am	32	20	NNE	20G21	1006.6					
13 Apr 8:00 am	32	20	NNE	21G23	1006.5					
13 Apr 7:30 am	32	21	NNE	18 <b>G21</b>	1006.8					
13 Apr 7:00 am	32	21	NNE	16 <b>G21</b>	1006.8					
13 Apr 6:30 am	32	22	NNE	14G18	1006.9					
13 Apr 6:00 am	32	22	NNE	14G16	1006.9					
13 Apr 5:30 am	33	24	NNE	11G <b>1</b> 4	1006.9					
13 Apr 5:00 am	32	24	N	10G13	1006.9					
13 Apr 4:30 am	31		ESE	5G07	1007.0					
13 Apr 4:00 am	32		N	2G07	1006.8					
13 Apr 3:30 am	31			G02	1006.9					
13 Apr 3:00 am	33		Е	1G03	1006.8					
13 Apr 2:30 am	33		NNE	6G07	1006.7					
13 Apr 2:00 am	33		NNE	8G09	1006.8					
					I					
13 Apr 1:30 am	32		N	6G08	1006.7					
13 Apr 1:00 am	33		Ν	1G03	1006.4					
13 Apr 12:30 am	33			G02	1006.5					
13 Apr 12:00 am	34		E	5G06	1006.3					
12 Apr 11:30 pm	32		NW	1G02	1005.9					
12 Apr 11:00 pm	32		NW	1G02	1005.6					
12 Apr 10:30 pm	33		WSW	3G06	1005.4					
12 Apr 10:00 pm	32		W	5G08	1005.0					
12 Apr 9:30 pm	32		W	3G07	1004.6					
12 Apr 9:00 pm	33		W	1G02	1004.0					
12 Apr 8:30 pm	33		W	1G03	1003.5					
12 Apr 8:00 pm	33		SW	6G10	1003.1					
12 Apr 7:30 pm	37		WSW	1G02	1002.2					
12 Apr 7:00 pm	37				1002.0					
12 Apr 6:30 pm	37		SSE	3G05	1001.8					
					1001.5					
12 Apr 6:00 pm	37 37		SW	3G06						
12 Apr 5:30 pm	37		W	1G02	1001.2					
12 Apr 5:00 pm	36		SSW	2G03	1001.1					
12 Apr 4:30 pm	34		WNW	3G06	1001.0					
12 Apr 4:00 pm	33		WNW	2G03	1000.7					
12 Apr 3:30 pm	33		WNW	2G03	1000.2					
12 Apr 3:00 pm	37		W	2G06	999.4					
12 Apr 2:30 pm	38	29	NNE	15G16	998.4					

# ZAN-ARTCC-0165 N9247C

OBS:Potato Point

SECTION 12. Non-Published NOTAM's C



# Data Current as of: Tue, 14 Apr 2015 22:50:23 (Z)

# AISR ZAN-ARTCC-0165 \*\*\*\*\*\*\*\* ANC NO- NOTAM \*\*\*\*\*\*

!ANC 04/057 ANC RWY 25L PAPI OUT OF SERVICE 1504142000-1504150330

!ANC 04/055 ANC RWY 25L PAPI OUT OF SERVICE DLY 1600-0330 1504151600-1504200330

!ANC 04/054 ANC NAV ILS RWY 7R OUT OF SERVICE DLY 1600-0330 1504151600-1504200330

!ANC 04/053 ANC RWY 7R PAPI OUT OF SERVICE DLY 1600-0330 1504151600-1504200330

!ANC 04/052 ANC RWY 7R PAPI OUT OF SERVICE 1504141952-1504150330

!ANC 04/048 ANC RWY 7R/25L CLSD 1504141600-1504150330

!ANC 04/045 ANC NAV ILS RWY 7R OUT OF SERVICE 1504141600-1504150330

### \*\*\*\*\*\*\* CDV NO- NOTAM \*\*\*\*\*\*

!CDV 04/010 CDV OBST TOWER LGT (ASR 1275206) 602947.20N1452754.30W (.48NM NNE CDV) 239FT (195FT AGL) OUT OF SERVIC

# \*\*\*\*\*\*\*\* GKN NO- NOTAM \*\*\*\*\*\*\*

No active NOTAMs.

\*\*\*\*\*\*\* GLA NO- NOTAM \*\*\*\*\*\*\*

No active NOTAMs.

### \*\*\*\*\*\*\* MDO NO- NOTAM \*\*\*\*\*\*

No active NOTAMs.

No active NOTAMs.

# \*\*\*\*\*\*\* SWD NO- NOTAM \*\*\*\*\*\*\*

!SWD 04/004 SWD RWY 13/31 CLSD MON-FRI 1400-0230 1504141400-1505020230

# \*\*\*\*\*\* VDZ NO- NOTAM \*\*\*\*\*\*\*

No active NOTAMs.

# \*\*\*\*\*\*\* MNL NO- NOTAM \*\*\*\*\*\*\*

No active NOTAMs.

# \*\*\*\*\*\*\* 7KA NO- NOTAM \*\*\*\*\*\*\*

No active NOTAMs.

### **END OF DATA**

SECTION 13. Other

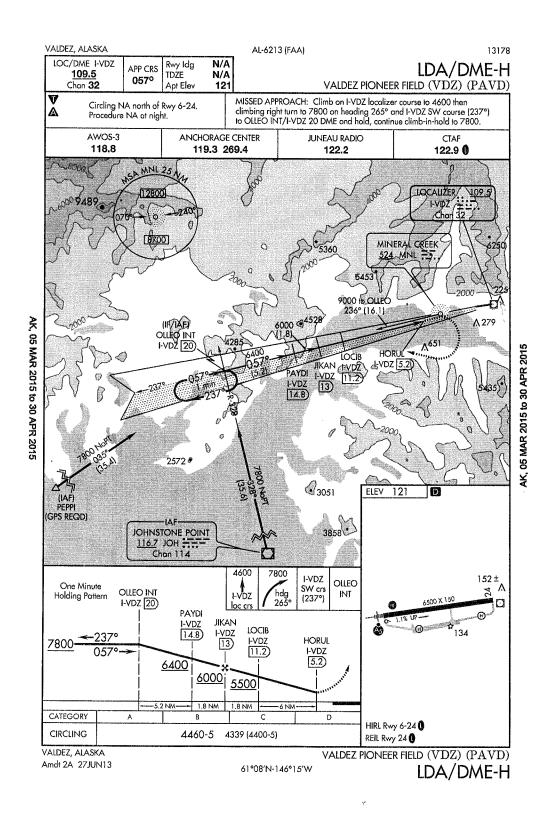
.

						NARY NOTICE							
ROM (C	Office of origin):		TO:		_	DATE (UTC):	TIME (UTO						
nchora	age ARTCC		ROC		April 14, 2015	2136Z							
ODE	(First wor	ds of text) AIR	CRAFT ACCID	ENT/INCIDENT	PRELIM	INARY NOTICE-P:	art 1						
A	1. INFORMATION FROM:												
21	Anchorage ARTCC				TOD OF LID OD LET								
В	1. REGISTRATION NO: N9247C	2. MAKE ANI Cessna 180 S			Dale Car	PERATOR OF AIRCRAFT:							
	4. TYPE OF ACTIVITY (Ai			husiness executive sic									
	Unknown IFR												
	5. BRIEF DESCRIPTION OF CIRCUMSTANCES SURROUNDING OCCURRENCE:												
	N9247C received an IFI declared an emergency, through CFS922 with re	lost engine with	n possible icing. I										
	6. WEATHER DATA:												
	VDZ 2056Z AUTO 000	00KT 10SM FE	W060 BKN075	OVC090 03/M10 A	42964								
		VDZ 2056Z AUTO 00000KT 10SM FEW060 BKN075 OVC090 03/M10 A2964 7. AIRCRAFT DAMAGE: A $\blacksquare$ destroyed b $\Box$ substantial c $\Box$ minor d $\Box$ fire e $\Box$ none											
С	<b>OCCUPANTS INDI</b> 1. NAME AND ADDRESS				S: 3 NO O	3. NO. OF PASSENGERS							
	Dale Carlson/ fatal	OF FILOI/INJUK I		2. NAMES OF CREW/INJURIES N/A			INJURIES:						
	1. LOCATION OF OCCUR	RENCE (Nearest cit	tv town and state) ((	live route if overdue or	missingl								
D	Perry Island, Alaska	NERCE (Rearest en	y, 10wn, una state) (C	five route if overane or	missing).								
	1. UTC DATE AND UTC T	IME OF OCCURRE	ENCE:										
E	April 14, 2015 2125Z												
F	1. INFORMATION ON CO	VERAGE OF OCCU	URRENCE BY FAA	, NTSB, OTHER:									
G	FAA AIR TRAFFIC SERVIC	CES SUMMARY O	F FLIGHT HANDLI	NG									
	1A. LAST DEPARTURE PC	DINT:		AND UTC TIME:	1C. INTENDED DESTINATION: VDZ								
	IYS	PIDOGUTION AND	April 14, 2015		)Z								
		2. LAST RADIO CONTACT/POSITION AND/OR RADAR POSITION: 2123Z/East of PEPPI Intersection/ZAN 7R											
		3. LAST ATC CONTROL CLEARANCE:											
	"Cross PEPPI at or above eight thousand, cleared the LDA/DME Hotel approach to the Valdez Airport."												
		4. FLIGHT PLAN:											
			B 🗖 VFR	C 🗆 NONE	ъΠ	UNKNOWN							
		A 🖬 IFR	B 🗖 VFR	C 🗖 NONE	D 🗖	UNKNOWN							
	4. FLIGHT PLAN:		B □ VFR B □ NO	C □ NONE C ■ UNKNOV		UNKNOWN							
	<ul><li>4. FLIGHT PLAN:</li><li>5. PILOT BRIEFING:</li><li>6. OTHER:</li></ul>	A  ☐ IFR A  ☐ YES	B 🗖 NO	C 🖬 UNKNOV		UNKNOWN							
	<ul> <li>4. FLIGHT PLAN:</li> <li>5. PILOT BRIEFING:</li> <li>6. OTHER: Received clearance and</li> </ul>	A ■ IFR A □ YES DUATS briefing	B 🗖 NO	C 🖬 UNKNOV	WN								
ECEIVE	<ul> <li>4. FLIGHT PLAN:</li> <li>5. PILOT BRIEFING:</li> <li>6. OTHER: Received clearance and</li> </ul>	A ■ IFR A □ YES DUATS briefing	B 🗖 NO	C 🖬 UNKNOV									
	<ul> <li>4. FLIGHT PLAN:</li> <li>5. PILOT BRIEFING:</li> <li>6. OTHER: Received clearance and and another statement of the s</li></ul>	A ■ IFR A □ YES DUATS briefing	B 🗖 NO	C 🖬 UNKNOV at 1838Z.	WN TIMI	3:							
ECEIVE	<ul> <li>4. FLIGHT PLAN:</li> <li>5. PILOT BRIEFING:</li> <li>6. OTHER: Received clearance and ED AT:</li> </ul>	A ■ JFR A □ YES DUATS briefing DEL	B 🗖 NO g from ENA FSS IVERED TO:	C 🖬 UNKNOV	WN TIMI	:: :::::::::::::::::::::::::::::::::::							
ECEIVE	4. FLIGHT PLAN:         5. PILOT BRIEFING:         6. OTHER:         Received clearance and         ED AT:         ED VIA:         IN PERSON       B I RA	A ■ JFR A □ YES DUATS briefing DEL	B 🗖 NO	C 🖬 UNKNOV at 1838Z.	WN TIMI	:: :::::::::::::::::::::::::::::::::::	mger QC						

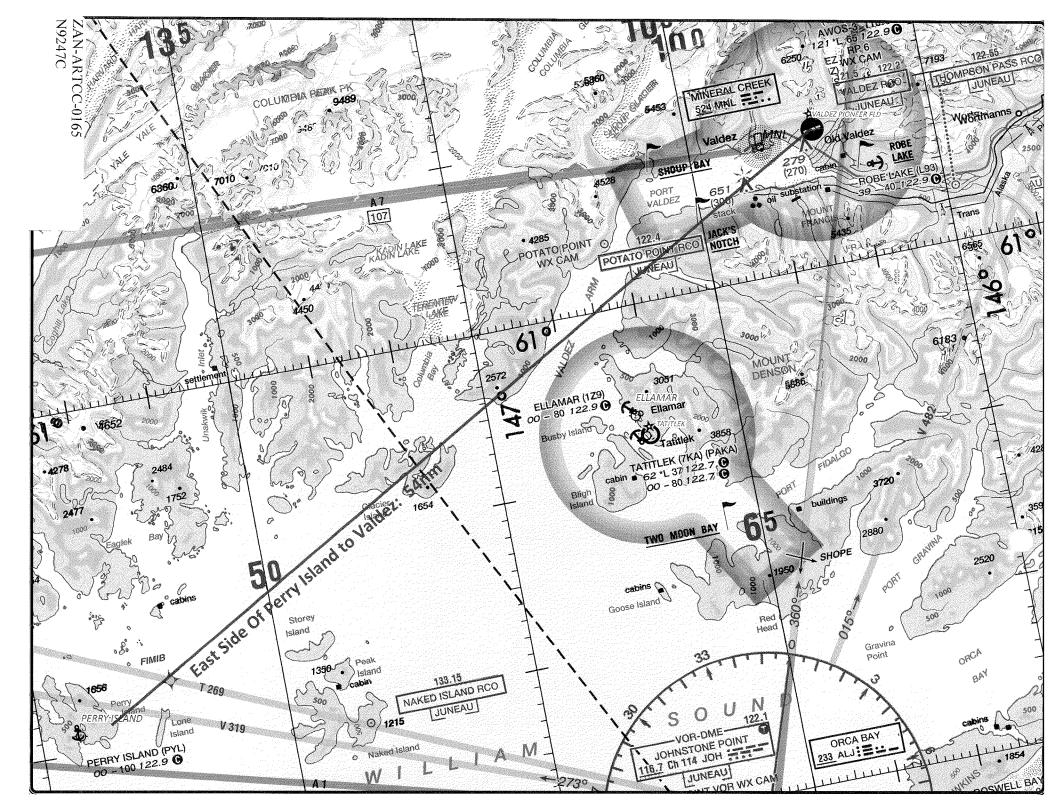
142200 KDCMYYXX (FPL-N9247C-IG -C180/L-SBDGR/C -PAVD0000 -N0136A080 DCT JOH DCT PEPPI DCT TED DCT -PAWS0126 -PBN/B2C2 NAV/SBAS RNVE2) ...ACCEPTED BY OCS......PLEASE FILE RECORD 6 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/14/15-22:05:26 CZY2253 SS PAZAZRZX 142205 PADLYFYX ALNOT N9247C NEG INFO RECORD 5 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/16/15-07:03:05 CZY0568 SS PANCZQZX PAZAZQZX 160703 PAZAZRZX ALNOT N9247C CNLD. ACFT FOUND. RECORD 4 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/16/15-07:03:12 CZY0569 SS PAZAZRZX 160703 KIADXCLX ALNOT N9247C CNLD. ACFT FOUND. ---IGNORING REQUEST. ALNOT N9247C FROM PAZAZRZX CURRENTLY ACTIVE. RECORD 3 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/16/15-07:10:57 CZY0576 SS PANCZQZX PAZAZQZX 160710 PAZAZRZX DISREGARD ALNOT N9247C CNLD. ALNOT IS STILL ACTIVE. RECORD 2 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/16/15-07:12:19 CZY0577 FF PAZAZRZX 160712 KMIVXDTC ALNOT N9247C NEG INFO RECÓRD 1 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/16/15-14:10:11 CZY1183 SS PANCZQZX PAZAZQZX 161410 PAZAZRZX ALNOT N9247C CNLD AIRCRAFT HAS BEEN FOUND

ZAN-ARTCC-0165 N9247C

RECORD 15 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/14/15-18:04:37 CZY1670 FF PAZAZQZX 141800 KDCMYYXX (FPL-N9247C-IG -C180/L-SBDGR/C -PAWS2000 -N0138A090 DCT TED DCT PEPPI DCT OLLEO DCT -PAVD0123 -PBN/B2C2 NAV/SBAS RNVE2) .....ACCEPTED BY OCS.....PLEASE FILE RECORD 14 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/14/15-21:36:36 CZY2160 SS PANCZQZX PAZAZQZX 142136 PAZAZRZX ALNOT N9247C C180 604243N1475022W LOST ENGINE AT 2128Z. ENROUTE TO VDZ. RECORD 13 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/14/15-21:36:41 CZY2161 SS PAZAZRZX 142136 KIADXCLX ALNOT N9247C DUAT SAR RESPONSE: NEGATIVE INFORMATION RECORD 12 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/14/15-21:36:58 CZY2162 SS PAZAZRZX 142136 KMIVXDTC ALNOT N9247C NEG INFO RECORD 11 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/14/15-21:55:05 CZ¥2229 SS PAZAZRZX 142155 PAAOYFYX ALNOT N9247C NEG INFO RECORD 10 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/14/15-21:55:41 CZY2231 SS PAZAZRZX 142155 PASIYFYX ALNOT N9247C NEG CTC/INFO RECORD 9 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/14/15-21:58:59 CZY2238 FF PAZAZRZX 142158 PAFAYFYX ALNOT N9247C NEG INFO RECORD 8 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/14/15-22:02:05 CZY2247 SS PAZAZRZX 142202 PAJNYFYX ALNOT N9247C NEGATIVE CONTACT RECORD 7 OF 15 MATCHING: RECEIVED AT SECTOR 34 AT TIME 04/14/15-22:02:12 CZY2248 ZAN-ARTCC-0165 FF PAZAZQZX N9247C



ZAN-ARTCC-0165 N9247C



# UTC (Zulu) Time Conversion Chart

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

\*0000 and 2400 are interchangeable.

2400 is associated with the date of the day ending, 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 - 6 hours) EST = Eastern Standard Time (UTC - 5 hours) EST = Eastern Standard Time (UTC - 5 hours) AST = Atlantic Standard Time (UTC - 4 hours) ALST = Alaskan Standard Time (UTC - 9 hours) HST = Hawaiian Standard Time (UTC - 10 hours)

ZAN-ARTCC-0165 N9247C