## Runway overrun, Boeing 747-251F, October 15, 2000

Micro-summary: Following alarming "thumps", this Boeing 747-251F aborted its takeoff, resulting in a runway overrun.

## Event Date: 2000-10-15 at 0035 ADT

Investigative Body: National Transportation Safety Board (NTSB), USA

Investigative Body's Web Site: http://www.ntsb.gov/

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1. Accident reports can be and sometimes are revised. Be sure to consult the investigative agency for the latest version before basing anything significant on content (e.g., thesis, research, etc).

2. Readers are advised that each report is a glimpse of events at specific points in time. While broad themes permeate the causal events leading up to crashes, and we can learn from those, the specific regulatory and technological environments can and do change. Your company's flight operations manual is the final authority as to the safe operation of your aircraft!

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National Transportation Safety Board NTSB ID: ANCO1IA007 Aircraft Registration Number: N629US										
FACTUAL REPORT		Occurrence Date: 10/15/2000 Most Critical Injury: None								
AVIATION         Occurrence Type: Incident         Investigated By: NTSB										
Location/Time										
Nearest City/Place	State	e Zip Code Local Time Time Zone								
ANCHORAGE	AK	99502 0035 ADT								
Airport Proximity: On Airport Distance From Landing Facility: Direction From Airport:										
Aircraft Information Summary										
Aircraft Manufacturer Model/Series Type of Aircraft										
Boeing 747-251F Airplane										
Sightseeing Flight: No Air Medical Transport Flight: No										
Narrative										
<ul> <li>sustained minor damage during an aborted takeoff at the Ted Stevens Anchorage International Airport, Anchorage, Alaska. The airplane was being operated as an instrument (IFR) cargo flight to the John F. Kennedy International Airport, New York City, New York, under Title 14, CFR Part 121, when the incident occurred. The airplane was operated as Flight 904, by Northwest Airlines Inc., St. Paul, Minnesota. The captain, first officer, and second officer, were not injured. Visual meteorological conditions prevailed. An IFR flight plan was filed.</li> <li>The airplane was departing runway 32 at the Ted Stevens Anchorage International airport. The captain reported that while taxiing to runway 32 for departure, the crew heard a "thump" type of noise. After discussion, the noise was attributed to the airplane tires running over a rut. The captain continued taxiing. During the takeoff roll, about 130 knots indicated airspeed (IAS), the captain heard and felt another "thump", followed by a substantial vibration. The captain said he aborted the takeoff about 148 knots IAS, and applied maximum braking and maximum reverse thrust. The airplane ran off the paved end of runway 32, into a clearway consisting of soft dirt, stopping about 486 feet beyond the paved end of runway. Two omnidirectional approach lighting system (ODALS) fixtures, installed as lead-in lights for runway 14, were struck by the airplane as the landing gear wheels sank into the soft terrain.</li> <li>Examination of the runway and airplane revealed a large amount of shredded tire debris on the runway, beginning about 1,500 feet from the beginning of runway 32. Gouge marks on the runway, consistent with tire wheel rims, were also visible on the runway. At the point of rest, the number 11, and number 12 tires, installed as the two aft tires on the right body landing gear assembly, were shredded and destroyed. Tires one through four, were inflated and undamaged. The number five tire was cut, torn and flat. Tires six, seven and eight, were flat. Tires ni</li></ul>										
Beginning at the arrival threshold, runway 32 has 10,696 feet available. The captain elected to utilize runway 32 extension procedures. Aircraft with combined weight, stage length, or other condition, may request an extended departure from runway 32. The extension for runway 32 provides for a takeoff runway available (TORA), and an accelerate/stop distance available (ASDA) of 11,584 feet. An additional 1,000 feet of clearway is available at the departure end of the runway. Beyond the 1,000 feet of clearway, the terrain drops away sharply at the end of a small bluff, to a road below the bluff.										
According to Northwest Airlines personnel, the airplane's gross weight is 817,000 pounds. The airplane's takeoff gross weight (TOGW) for the flight was 794,200 pounds. For takeoff operations										

National Transportation Safety Board	NTSB ID: ANC01IA007
FACTUAL REPORT	Occurrence Date: 10/15/2000
AVIATION ETYBOR	Occurrence Type: Incident

## Narrative (Continued)

on runway 32, the runway takeoff gross weight (RTOG) was 795,300 pounds. The RTOG is allowable weight for takeoff calculated by the operator. It takes into consideration numerous variables, including runway length, temperature, headwinds or tailwinds, obstructions, any inoperative brake systems, pressure altitude corrections, etc. The takeoff decision speed (V1) for the airplane was 165 knots. The rotation speed (VR) for the airplane was 174 knots.

Examination of data from the airplane's flight data recorder (FDR) indicated that in frame number 65267, the airspeed was 148.2 knots. Eight seconds later, at 166.7 knots, the number four engine thrust reverser deployed, and all engine thrust settings were decreasing. One second later, all of the thrust reversers indicated they were deployed, and all engine thrust was near idle. Over the next 24 seconds, all of the engine's thrust settings increased during reverse, and the airspeed slowed to below 50 knots.

At 0101, an Aviation Routine Weather Report (METAR) at Anchorage was reporting, in part: Wind, 260 degrees (true) at 03 knots; visibility, 10 statute miles; clouds and sky condition, 8,500 feet broken, 10,000 feet overcast; temperature, 38 degrees F; dew point, 36 degrees F; altimeter, 29.11 inHg.

National Transportation Safety Board	ID: ANCO	1IA007									
FACTUAL REPORT	rence Date:	ence Date: 10/15/2000									
AVIATION	rrence Type: Incident										
Landing Facility/Approach Inform	ation										
Airport Name	Airport ID:	irport ID: Airport Elevation Runway Used Runway Length Runv									
ANCHORAGE INTERNATIONAL			PANC	144 Ft	. MSL	32		11584	4	15	0
Runway Surface Type: Asphalt											
Runway Surface Condition: Dry											
Type Instrument Approach:											
VFR Approach/Landing:											
Aircraft Information											
Aircraft Manufacturer Boeing	Model, 747-2	rviodei/Series     Serial       747-251F     2238									
Airworthiness Certificate(s): Transport											
Landing Gear Type: Retractable - Tricycle											
Homebuilt Aircraft? No Num	Certifie	Certified Max Gross Wt. 817000 LBS					Numbe	r of Engine	es: 4		
Engine Type: Turbo Fan	Engine Manufacturer:     Model/Series:       P&W     JT9D-7J							Rated Power: 48000 LBS			
- Aircraft Inspection Information											
Type of Last Inspection		· · · · · · · · · · · · · · · · · · ·	Date of Last Inspection Time Since Last Inspection						Airframe T	otal Time	
AAIP				Hours					ours		Hours
- Emergency Locator Transmitter (ELT)											
ELT Installed? Yes	ELT Operated? No				ELT Aic	ded ir	n Locating Ac	cident S	Site?		
Owner/Operator Information											
Registered Aircraft Owner	Street A	Street Address 5101 NORTHWEST DR.									
NORTHWEST AIRLINES INC.	City State MN							Zip Code			
	Street Address										
Operator of Aircraft	Same as Reg'd Aircraft Owner										
Same as Reg'd Aircraft Owner	City State 2							Zip Code			
Operator Does Business As: Operator Designator Code: NWAA											
- Type of U.S. Certificate(s) Held:	<u></u>	4:0									
Air Carrier Operating Certificate(s): ⊓ag	Carrier/Dom	estic									
Operating Certificate:				Operator C	Certificate	:					
Regulation Flight Conducted Under: Par	rt 121: Air Ca	rrier									
Type of Flight Operation Conducted: No	n-scheduled;	Dome	stic; Cargo	)							
FACTUAL REPORT - AVIATION Page 2											

Nation	TRANS	Safety Board	1	NTSB ID:	ANC01IA	007								
F	FACTUAL REPORT Occurrence Date: 10/15/2000													
AVIATION Occurrence Type: Incident														
First Dilet Is formed in														
First Pilot Information														
Name						City					State		Date of Birth	Age
On File													53	
Sex: M         Seat Occupied: Left         Principal Profession: Civilian Pilot         Certificate Number:														
Certificate(s): Airline Transport; Flight Engineer														
Airplane Rating(s): Multi-engine Land														
Rotorcraft/Glider/LTA: None														
Instrument Ratino(s): Airplane														
Instructor Rating(s): None														
Type Rating/Endorsement for Accident/Incident Aircraft? Yes							С	Current E	Biennial	-light R	eview?			
Medical Cert.: Class 1 Medical Cert. Status: Valid Medicalno waivers							lim.		Da	te of La	ast Medic	al Exa	am: 10/2000	
- Flight Tin	ne Matrix	All A/C	This Make and Model	Nig	ght	Actual	Instrument	Simulated	Roto	craft	Glider	Lighter Than Air		
Total Time	•	5225	3972			400			400	150				
Pilot In Co	mmand(PIC)	1854	600	ļ									_	
Instructor	Instructor										_			
Last 90 Da	ays	85				_					_		_	
Last 30 Da	ays										_			
Last 24 Ho							Tovior			2 1.1-			Dilat2 Va	
Seatbelt Used? Yes Shoulder Harness Used? Yes							TOXICO	Diogy Pe	enormed	? INO		Sec		S
Flight Pla	an/Itinerary													
Type of Fli	ght Plan Filed: IF	R												
Departure Point							State Air		Airport I	Airport Identifier		Departure Time		Time Zone
Same as Accident/Incident Location							P/		PANC	YANC		0035		ADT
Destination							State Ai		Airport I	irport Identifier				
NEW YORK							NY		KJFK					
Type of Clearance: IFR														
Type of Airspace: Class C														
Weather	Information													
Source of	Briefing: Compa	any												
Method of	Briefing:													
				FACTUAI	REPORT	- AVL		N						Page 3

Occurrence Date: 10/15/2000           Occurrence Type: Incident           Weather Information         Time Zone         WOF Elevation         WOF Distance From Accident Site         Direction From Accident Site           PAN         0101         ADT         144 Ft. MSL         O NM         O Deg. Mag.           SkylLowest Cloud Condition: Unknown         Unest Condition of Light: Night/Dark         Itemperature:         3 °C         Dew Point:         2 °C         Wind Speed:         Statistics:         Panistry Altimates:         Panistry Altimates:         Panistry Altimates:         Ft           Wind Speed:         3 °C         Dew Point:         2 °C         Wind Thereiptation:         Unknown           Hight Restrictions to Visibility: RVP:         O         Ft         Visibility (VV)         O         SM         Intensity of Precipitation:         Unknown           Accident Information           Accident Fire: None         Aircraft Explosion None           Classification: U.S. Registered/U.S. Soil           Information           Aircraft Fire: None         Aircraft Explosion None           Classification: U.S. Registered/U.S. Soil           Information           Aircraft F	Nationa	al Transportation Safety	Board	NTSB ID:	ANC01	IA007							
Occurrence Type: Incident           Weather Information           WOF ID         Observation Time         Time Zone         WOF Elevation         WOF Distance From Accident Site         Direction From Accident Site           PAN         0101         ADT         144 Ft. MSL         O         NM         0 Deg. Mag.           SkyLowest Cloud Condition: Unknown         ADT         144 Ft. MSL         O         NM         0 Deg. Mag.           SkyLowest Cloud Condition: Unknown         8500 Ft. AGL         Visibility:         10         SM         Attimeter:         29.00         "Hig           Temperature:         3 °C         Dew Point:         2 °C         Wind Direction: 227         Density Altitude:         Ft           Wind Speed:         3         Gusts:         Weather Conditions at Accident Site:         Visual Conditions           Visibility (RVR):         0         Ft.         Visibility (RVV)         0         SM         Intensity of Precipitation:         Unknown           Accident Information           Aircraft Fire: None         Aircraft Explosion None           Classification: U, S. Registered/U.S. Soil           Imprecipitation:         None         TOTAL           Firet Piot	FA	FACTUAL REPORT Occurrence Date: 10/15/2000											
Weather Information         WOF ID       Observation Time       Time Zone       WOF Elevation       WOF Distance From Accident Site       Direction From Accident Site         PAN       0101       ADT       144 FL MSL       0 NM       0 Deg. Mag.         SkyLowest Cloud Condition: Unknown       0 FL AGL       Condition of Light: Night/Dark         Lowest Ceiling: Broken       8500 FL AGL       Visibility:       10       SM       Attimeter:       29.00       "Hg         Temperature:       3 °C       Dew Point:       2 °C       Wind Direction: 227       Density Attitude:       Ft         Wind Speed:       3       Gusts:       Weather Conditions at Accident Site:       Visual Conditions         Visibility (RVR):       0       FL       Visibility (RVV)       0       SM       Intensity of Precipitation:       Unknown         Restrictions to Visibility:       None       Aircraft Erre: None       Aircraft Explosion       None         Classification:       U.S. Registered/U.S. Soil       Intensity of ToTAL       Aircraft Explosion       None         Fire: Plot       1       1       1       1       1       1         Student Plot       1       1       1       1       1       1       1       1		<b>AVIATION</b>		Occurren	ce Type:	Incident		1					
Note after information         Time Zone         WOF Elevation         WOF Distance From Accident Site         Direction From Accident Site           PAN         0101         ADT         144 FL MSL         0 NM         0 Deg. Mag.           SkyLowest Cloud Condition: Universe         Imme Zone         8500 FL AGL         Visibility:         10         SM         Attimeter:         29.00         "Hg           Lowest Ceiling: Broken         3 °C         Dew Point:         2 °C         Wind Direction: 227         Density Altitude:         Ft           Wind Speed: 3         Gusts:         Weather Conditions at Accident Site:         Visual Conditions         Thensity of Precipitation:         Unknown           Visibility (RVR):         0         FL         Visibility (RVV)         0         SM         Intensity of Precipitation:         Unknown           Type of Precipitation:         None         Aircraft Fire: None         Aircraft Explosion None         Classification:         U.S. Registered/U.S. Sol           Classification:         U.S. Registered/U.S. Sol         Imor         None         TOTAL         Imor         Aircraft Explosion None           Flight Instructor         Gusta         Imor         None         TOTAL         Imor         Imor         Imor         Imor         Imor	Weather	Information			71-								
PAN         0101         ADT         144 FL MSL         0 NM         0 Deg. Mag.           SkyLowest Cloud Condition: Unknown         8500 FL AGL         Condition of Light: Night/Dark           Lowest Ceiling: Broken         8500 FL AGL         Visibility: 10         SM         Altimeter: 29.00         "Hg           Temperature:         3 °C         Dew Point:         2 °C         Wind Direction: 227         Density Altitude:         Ft           Wind Speed: 3         Gusts:         Weather Conditions at Accident Site: Visual Conditions         Ft           Visibility (RVR):         0         FL         Visibility (RVV)         0         SM         Intensity of Precipitation: Unknown           Restrictions to Visibility: None          Aircraft Fire: None         Aircraft Explosion None           Classification:         None         Aircraft Ere: None         Aircraft Explosion None           Classification: U.S. Registered/J.S. Soil         Information         1         1           Steden Plot         Image:         Image:         Image:         Image:           First Plot         Image:         Image:         Image:         Image:           Second Plot         Image:         Image:         Image:         Image:           Injury Summary Matrix	WOF ID	ather Information										9	
PAN         0101         ADT         144 Ft. MSL         O NM         0 Deg. Mag.           Sky/Lowest Cloud Condition: Unknown         8500 Ft. AGL         Visibility: 10         SM         Attimeter: 29.00         "Hg           Lowest Ceiling: Broken         3 °C         Dew Point:         2 °C         Wind Direction: 227         Density Altitude:         Ft           Wind Speed: 3         Gusts:         Weather Conditions at Accident Site: Visual Conditions         Ontions         Ft           Visibility (RVR):         0         Ft.         Visibility (RVV)         0         SM         Intensity of Precipitation: Unknown         Intensity of Precipitation: Unknown         Intensity of Precipitation: Unknown           Accident Information         Aircraft Fire: None         Aircraft Explosion         None         TOTAL           First Pilot         Fatal         Serious         Minor         None         TOTAL           First Pilot         Intensity of Precipitation: Unknown         Intensity of Precipitation: Unknown         Intensity of Precipitation: Unknown         Intensity of Precipitation: Unknown           Injury Summary Matrix         Fatal         Serious         Minor         None         TOTAL           Filight Engineer         Intensity of Intensity of Intensity of Intensity of Intensity of Intenseteeee         Intensity	-												-
Sky/Lowest Cloud Condition: Unknown       0 Ft. AGL       Condition of Light: Night/Dark         Lowest Ceiling: Broken       8500 Ft. AGL       Visibility: 10       SM       Attimeter: 29.00       "Hg         Temperature:       3 °C       Dew Point:       2 °C       Wind Direction: 227       Density Altitude:       Ft         Wind Speed: 3       Gusts:       Weater Conditions at Accident Site: Visual Conditions       Conditions       Ft         Visibility (RVR):       0       Ft.       Visibility (RVV)       0       SM       Intensity of Precipitation: Unknown         Restrictions to Visibility: None       Ft.       Visibility (RVV)       0       SM       Intensity of Precipitation: Unknown         Accident Information       Aircraft Erre: None       Aircraft Erre: None       Aircraft Explosion None         Classification: U.S. Registered/U.S. Soil       -       1       1         - Injury Summary Matrix       Fatal       Serious       Minor       TOTAL         Fight Instructor       I       1       1       1         Student Plot       I       I       1       1         Fight Instructor       I       I       1       1         Fight Instructor       I       I       1       1	PAN         0101         ADT         144 Ft. MSL         0 NM         0 Deg. Mag.											Mag.	
Lowest Ceiling: Broken         8500 Ft. AGL         Visibility:         10         SM         Attimeter:         29.0         "Hight Instructor           Temperature:         3 °C         Dew Point:         2 °C         Wind Direction: 227         Density Altitude:         Ft           Wind Speed: 3         Gusts:         Visibility (RVR):         0         Ft         Visibility (RVV)         0         SM         Intensity of Precipitation: Unknown         Ft           Visibility (RVR):         0         Ft         Visibility (RVV)         0         SM         Intensity of Precipitation: Unknown         Ft           Restrictions to Visibility:         None         Aircraft Fire:         None         Aircraft Explosion None           Accident Information         Aircraft Fire:         None         TOTAL         Aircraft Explosion None           Classification: U.S. Registered/U.S. Soil         Fatal         Serious         Minor         TOTAL         T           Firet Pilot         I         1         1         1         1         1         1           Student Pilot         I         I         1         1         1         1         1           Filight Engineer         I         I         I         I         I	Sky/Lowest Cloud Condition: Unknown     0 Ft. AGL     Condition of Light: Night/Dark												
Temperature:         3 °C         Dew Point:         2 °C         Wind Direction: 227         Density Altitude:         Ft           Wind Speed:         3         Gusts:         Weather Conditions at Accident Site: Visual Conditions         Image: Condition	Lowest Ce	Lowest Ceiling: Broken 8500 Ft. AGL Visibility: 10 SM Altimeter: 29.00 "He										"Hg	
Wind Speed: 3       Gusts:       Weather Conditions at Accident Site: Visual Conditions         Visibility (RVR):       0       Ft.       Visibility (RVV)       0       SM       Intensity of Precipitation: Unknown         Restrictions to Visibility:       None       Intensity of Precipitation:       Unknown         Type of Precipitation:       None       Aircraft       Aircraft         Accident Information       Aircraft Fire:       None       Aircraft Explosion None         Classification:       U.S. Registered/U.S. Soil       Intensity of TOTAL       Intensity of Precipitation:         - Injury Summary Matrix       Fatal       Serious       Minor       None       TOTAL         First Plot       1       1       1       1       1       1         Student Plot       1       <	Temperatu	Temperature:     3 °C     Dew Point:     2 °C     Wind Direction: 227     Density Altitude:									Ft.		
Visibility (RVR):       0       Ft.       Visibility (RVV)       0       SM       Intensity of Precipitation: Unknown         Restrictions to Visibility:       None       Intensity of Precipitation:       Unknown         Type of Precipitation:       None         Accident Information       Aircraft Fire:       None         Aircraft Damage:       Minor       Aircraft Explosion       None         Classification:       U.S. Registered/U.S. Soil       Intensity of TOTAL       Intensity of Precipitation:         - Injury Summary Matrix       Fatal       Serious       Minor       None       TOTAL         First Pilot       1       1       1       1       1       1         Second Pilot       1	Wind Spee	ed: 3	Gusts:		Weath	ner Condt	ions at Accio	dent S	ite: Visual (	Cond	itions		
Restrictions to Visibility:       None         Type of Precipitation:       None         Accident Information       Aircraft Fire: None       Aircraft Explosion None         Classification:       U.S. Registered/U.S. Soil       Aircraft Explosion None         - Injury Summary Matrix       Fatal       Serious       Minor       None       TOTAL         First Pilot       1       1       1       1       1         Second Pilot       1       1       1       1         Student Pilot       1       1       1       1         Flight Instructor       1       1       1       1         Check Pilot       1       1       1       1         Other Crew       1       1       1       1         Passengers       1       1       1       1	Visibility (R	RVR): 0 Ft.	Visibility (	RVV) 0	SM	Intensity	/ of Precipita	ation: I	Unknown				
None         Accident Information         Aircraft Damage: Minor       Aircraft Fire: None       Aircraft Explosion None         Classification: U.S. Registered/U.S. Soil <ul> <li>Injury Summary Matrix</li> <li>Fatal</li> <li>Second Pilot</li> <li>Second Pilot</li> <li>Student Pilot</li> <li>Image: Student Pilot</li></ul>	Restriction	s to Visibility: None					-						
Type of Precipitation:       None         Accident Information       Aircraft Fire: None       Aircraft Explosion None         Aircraft Damage: Minor       Aircraft Fire: None       Aircraft Explosion None         Classification: U.S. Registered/U.S. Soil        None       TOTAL         - Injury Summary Matrix       Fatal       Serioux       Minor       None       TOTAL         First Pilot        1       1       1       1         Second Pilot         1       1         Student Pilot          1       1         Flight Instructor               Flight Engineer                Other Crew                 Passengers		2											
		ecipitation: None											
Accident Information         Aircraft Damage: Minor       Aircraft Fire: None       Aircraft Explosion None         Classification: U.S. Registered/U.S. Soil <ul> <li>Injury Summary Matrix</li> <li>Fatal</li> <li>Serious</li> <li>Minor</li> <li>None</li> <li>TOTAL</li> </ul> <ul> <li>First Pilot</li> <li>Second Pilot</li> <li>Student Pilot</li> <li>Image: Second Pilot</li> <li>Image: Se</li></ul>													
Aircraft Damage: Minor       Aircraft Fire: None       Aircraft Explosion None         Classification: U.S. Registered/U.S. Soil         None       TOTAL         - Injury Summary Matrix       Fatal       Serious       Minor       None       TOTAL         First Pilot         1       1         Second Pilot         1       1         Student Pilot              Flight Instructor              Flight Engineer         1       1         Cabin Attendants              Passengers	Accident	Information											
Classification: U.S. Registered/U.S. Soil         - Injury Summary Matrix       Fatal       Serious       Minor       None       TOTAL         First Pilot       1       1       1       1       1         Second Pilot       1       1       1       1         Student Pilot       1       1       1       1         Flight Instructor       1       1       1       1         Check Pilot       1       1       1       1         Check Pilot       1       1       1       1         Check Pilot       1       1       1       1         Other Crew       1       1       1       1         Passengers       1       1       1       1	Aircraft Dar	mage: Minor		Aircraft Fir	e: None	;			Aircraft Exp	olosio	n None		
- Injury Summary Matrix       Fatal       Serious       Minor       None       TOTAL         First Pilot       1       1       1         Second Pilot       1       1       1         Student Pilot       1       1       1         Flight Instructor       1       1       1         Check Pilot       1       1       1         Flight Engineer       1       1       1         Other Crew       1       1       1         Passengers       1       1       1	Classification: LLS Popietorod/LLS Soil												
Highly Odhminity MultixFactorCondetMinorFrom LFirst Pilot111Second Pilot111Student Pilot111Flight Instructor111Check Pilot111Flight Engineer111Other Crew111Passengers111	- Injury Su	mmary Matrix	Fatal	Serious Min	or	None	τοται						
Net NotIISecond PilotI1Student PilotIIFlight InstructorIICheck PilotIIFlight EngineerIICabin AttendantsIIOther CrewIIPassengersII	- Injury Sur					1	1						
Student PilotImage: Constraint of the state o	Second	d Pilot				1	1						
Flight InstructorImage: Check PilotImage: Check PilotImage: Check PilotFlight EngineerImage: Check PilotImage: Check PilotImage: Check PilotCabin AttendantsImage: Check PilotImage: Check PilotImage: Check PilotOther CrewImage: Check PilotImage: Check PilotImage: Check PilotPassengersImage: Check PilotImage: Check PilotImage: Check Pilot	Studen	t Pilot											
Check PilotImage: Check PilotImage: Check PilotFlight EngineerImage: Check PilotImage: Check PilotCabin AttendantsImage: Check PilotImage: Check PilotOther CrewImage: Check PilotImage: Check PilotPassengersImage: Check PilotImage: Check Pilot	Flight li	nstructor											
Flight EngineerImage: Cabin AttendantsImage: Cabin AttendantsImage: Cabin AttendantsOther CrewImage: Cabin AttendantsImage: Cabin AttendantsPassengersImage: Cabin AttendantsImage: Cabin Attendants	Check	Pilot											
Cabin Attendants     Image: Cabin Attendants       Other Crew     Image: Cabin Attendants       Passengers     Image: Cabin Attendants	Flight E	Engineer				1	1						
Other Crew     Image: Crew       Passengers     Image: Crew	Cabin A	Attendants											
Passengers Passengers	Other C	Crew											
	Passen	ngers											
- TOTAL ABOARD - 3 3	- TOTAL A	BOARD -				3	3						
Other Ground O O O O	Other G	Ground	0	0	0	0	0						
- GRAND TOTAL - 0 0 0 3 3	- GRANE	D TOTAL -	0	0	0	3	3						
				FACTUAI	REPO	RT - AV	IATION					F	Page 4

National Transportation Safety Board	NTSB ID: ANC01IA007	
FACTŲAL REPORT	Occurrence Date: 10/15/2000	
AVIATION	Occurrence Type: Incident	
Administrative Information	•	
Investigator-In-Charge (IIC)		
SCOTT ERICKSON		
Additional Persons Participating in This Accident/Incid	lent Investigation:	
JACK T SEYMOUR (FAA) 4510 INTERNATIONAL AIRPORT ANCHORAGE, AK 99502		