IDENTIFICATION STRIP: Please fill in all blanks. NO RECORD WILL BE KEPT OF YOUR IDENTITY. This section will be returned to you promptly.	
TELEPHONE NUMBERS where we may reach you for further details of this occurrence:	
(HOME) Area 901 No. 388 - 4259 Hours 24 (WORK) Area 201 No. 532 - 8558 Hours 24	(SPACE RESERVED FOR ASRS DATE/TIME STAMP)
MARK & FOTA A DONL	The more
NAME MARK S. ESTABROOK	TYPE OF EVENT/SITUATION TOOK OFF
ADDRESS 2727 MORNING WOODS CORDOVA, TN 38018	
	DATE OF OCCURRENCE 3/9/93  LOCAL TIME (24 hr. clock) 0526 MDT
Except for reports of aircraft accidents and criminal activities — which are not included in the ASRS and should not be submitted to NASA — all identities contained in this report will be removed to assure complete reporter anonymity.	
PLEASE FILL IN APPROPRIATE SPACES AND CHECK ALL ITEMS WHICH APPLY TO THIS EVENT OR SITUATION.	
REPORTER'S ROLE DURING OCCURRENCE	DEFENDENCE DIGINESSE
(pilot-flying, radar controller, cabin crew, maintenance, etc.) SEC	OND OFFICER (FLIGHT ENGINEER)
REPORTER FLYING TIME	CERTIFICATES/RATINGS
o captain/pilot total 5000 hrs.	O student O private O FPL O developmental
o first officer lest 90 days 100 hrs.	o commercial XATP radar yrs.
A other crewmember	o instrument o CFI non-radar yrs. multiengine XF/E
O controller in actt type hrs.	supervisoryyrs.
DESCRIBE ONE AIRCRAFT IN THIS SECTION (PILOTS DESCRIBE YOUR OWN) AND ADDITIONAL AIRCRAFT IN THE	
"DESCRIBE EVENT/SITUATION" SECTION:	
AIRFRAME/ENGINES OF	PERATOR PURPOSE OF FLIGHT FLIGHT PLAN
X low fixed wing outtralight oreciprocating oschedul	
- EDO!!!	nental carrier cargo OSVFR O none ying school Obusiness
O rotary wing O small complex of turbojet O FBO/fil O advanced/automated cockpit (e.g., CRT's, FMS, etc.)	iter O air taxi NAVIGATION
o corpora	Plumping and the second of the
I may size	ment o private o pleasure
gross weight 19 483 fro. of engines 3	· · · · · · · · · · · · · · · · · · ·
AIRSPACE/LOCALE ATC/ADVISORY	SERVICE FLIGHT CONDITIONS LIGHT AND VISIBILITY
	approach XVMC O IMC O daylight O clawn
O ensaint up airennes O ARCA O	departure omixed omarginal odusk night
A simulation of MTD A	FSS o t'storm O rain ceilingfeet
ALTITUDE O MSL (or) X AGL Name of ATC Fac	CTAF o turbulence o fog visibilitymiles
NEAREST CITY SALT LAKE CITY STATE UT LAKE CITY	Tower oice o RVRfeet
SPECIFY LOCATION BY REFERENCE TO AN AIRPORT, NAVAID, OR OTHER FIX (distance, bearing, etc.): RUNWAY 32	
AIRCRAFT FLIGHT PHASES AT TIME OF OCCURRENCE (preflight	t, takeoff, cruise, hover, etc.) TAKEOFF
IF A CONFLICT: Evasive action? Oyes \( no Ono time Ounknow	vn. Estimated miss in feetvert'lhoriz'l.
DESCRIBE EVENT/SITUATION	
Keeping in mind the topics shown below, discuss those which you feel are relevant and anything else you think is important. Include	
what you believe really caused the problem, and what can be done to prevent a recurrence, or correct the situation. (CONTINUE ON THE OTHER SIDE AND USE ADDITIONAL PAPER IF NEEDED).	
	NOT DECOLO IE THEY SPENICICALLY
ATC CLEMPED US FOR TAKEOFF. I DO	NOT BUT THE PARTAIN I INFLUS
CLEARED 43 FOR RUNNAY 34R OR NOT, BUT THE CAPTAIN LINED US UPON RUNWAY 32 INADVENTANTLY. WITHOUT ANYONE REALIZING THE MISTAKE	
WATIL POTATION, TAKEOFF WAS ACCOMPLISHED ON RUNWAY 32 WITHOUT	
INCIDENT BY THE FIRST OFFICER. OUR TAKEOFF DATA WAS PREPARED FOR	
DUNWAY ZAR	
IT APPEARS THAT THE THRESHOLD ENVIRONMENT OF RUNWAY 32 AND 34	
ARE VIRTUALLY INDISTINGUISHABLE AT NIGHT. WE TAXIED ALONG "KI "EAST-BOUND, AND THE CAPTAIN TURNED LEFT ONTO "32" AS IT WAS UT, AS HIS EXPECTATION WAS FOR A LEFT TURN OFF OF "KI" ON TO THE ACTIVE RUNWAY.	
DOUND AND THE CHI MINY WENDS LET ON TO THE ACTIVE RUNWAY.	
A	
CONTRIBUTING FACTORS  1. PATIGUE - WE WERE ENGAGED IN NIGHT TIME CARGO OPERATIONS ON	
CHAIN OF EVENTS  - How the problem arose - How it was discovered	HUMAN PERFORMANCE CONSIDERATIONS  - Perceptions, judgements, decisions — Actions or inactions
- How the problem arose - How it was discovered - Corrective actions	Ferceptions, judgements, decisions — Actions of mactions     Factors affecting the quality of human performance

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National Aeronautics and Space Administration

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**NASA** 

FIRST CLASS AVIATION SAFETY DATA -DO NOT DELAY

## NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA has established an Aviation Safety Reporting System to identify problems in the aviation system which require correction. The program of which this system is a part is described in detail in FAA Advisory Circular 00-48C. Your assistance in informing us about such problems is essential to the success of the program. Please fill out this postage free form as completely as possible, fold it and send it directly to us.

The information you provide on the identity strip will be used only if NASA determines that it is necessary to contact you for further information. THE IDENTITY STRIP WILL BE RETURNED DIRECTLY TO YOU. The return of the identity strip assures your anonymity.

## AVIATION SAFETY REPORTING SYSTEM

Section 91.57 of the Federal Aviation Regulations (14 CFR 91.57) prohibits reports filed with NASA from being used for FAA enforcement purposes. This report will not be made available to the FAA for civil penalty or certificate actions for violations of the Federal Air Regulations. Your identity strip, stamped by NASA, is proof that you have submitted a report to the Aviation Safety Reporting System. We can only return the strip to you, however, if you have provided a mailing address. Equally important, we can often obtain additional useful information if our safety analysts can talk with you directly by telephone. For this reason, we have requested telephone numbers where we may reach you. Thank you for your assistance.

NOTE: AIRCRAFT ACCIDENTS SHOULD NOT BE REPORTED ON THIS FORM. SUCH REPORTS SHOULD BE FILED WITH THE NATIONAL TRANSPORTATION SAFETY BOARD AS REQUIRED BY 49CFR830.

15. NARRATIVE DESCRIPTION (continued): (Use additional sheets if necessary)

THE BACK SIDE OF THE CLOCK.

- 2. RUNWAY 32 WAS LIT.
- 3. Two LIGHTED AIRPORT VEHICLES WERE IN THE IMMEDIATE VICINITY OF RUNWAY 34R THRESHOLD, AND SERVED AS A DISTRACTION.
- 4. OUR FLIGHT SCHEDULE REQUIRED A: 35 MINUTE TURN, BETWEEN LANDING AT SLC AND DEPARTING FOR SACREMENTO.

RECOMMENDATIONS!

AFFECT CHANGE IN ALL CONTRIBUTING FACTORS ABOVE,

SECOND FOLD HERS