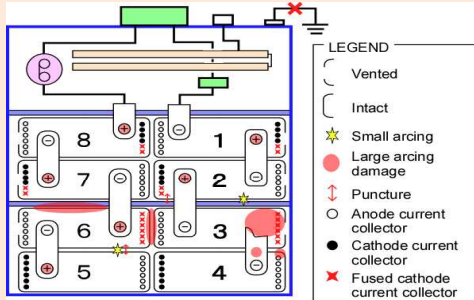
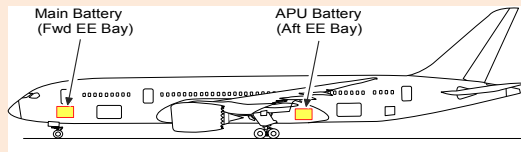
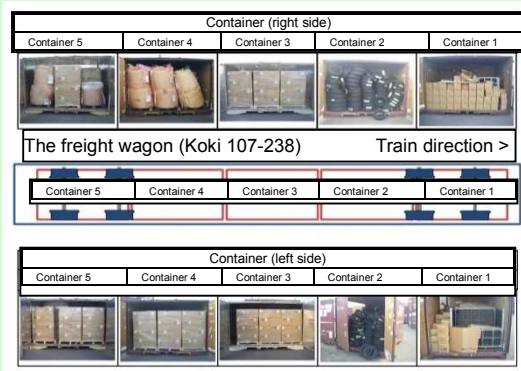


ANNUAL REPORT 2015 English version (掲載事例抜粋)



Emergency evacuation after emergency landing at Takamatsu Airport (malfunction of main battery)

平成 25 年 1 月 16 日発生、全日本空輸株式会社所属ボーイング式 787-8 型 JA804A、高松空港に緊急着陸し非常脱出 (メインバッテリー不具合) (平成 26 年 9 月 25 日公表)



Japan Freight Railway Company; Train derailment accident between Izumisawa station and Kamaya station, Esashi Line

平成 24 年 4 月 26 日発生、日本貨物鉄道(株) 江差線 泉沢駅～釜谷駅間 列車脱線事故 (平成 26 年 7 月 25 日公表)



Collision between bulk carrier NIKKEI TIGER and fishing vessel HORIEI-MARU

平成 24 年 9 月 24 日発生、ばら積み貨物船 NIKKEI TIGER 漁船堀栄丸衝突 (平成 26 年 6 月 27 日公表)



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運輸安全委員会ダイジェスト英語版
(平成 27 年 1 月発行)

~ Case Studies and Accident Analysis ~

JTSB Digests
JTSB (Japan Transport Safety Board)

(Issued in January, 2015)

**Digest of Aircraft Accident Analyses
For Prevention of Accidents due to the Shaking of the Aircraft**

1. Preface 1
2. Statistics 2
3. Case Studies of Serious Accidents (four cases) 7
4. Conclusion 18

1. Preface

In July 2014, the Japan Transport Safety Board (JTSB) released the Aircraft Accident Investigation Report concerning serious and slight injuries of three passengers in August 2012 when an aircraft was shaken over Matsuue City, Shimane Prefecture en route from Honolulu International Airport (The United States of America) to Incheon International Airport (The Republic of Korea).

When research was conducted on the injuries of passengers and cabin attendants due to the shaking of the aircraft while in flight excluding takeoff and landing (hereinafter referred to as "aircraft shaking accidents") similar to this accident in preparation for the release of the report, it was found that of the 245 aircraft accidents that have occurred since October 2001, when the Aircraft and Railway Accidents Investigation Commission was established, to June 2014, about 20 aircraft accidents involving large aircraft were aircraft shaking accidents.

While there have been no fatal accidents, the injury occurrence rate is high for aircraft shaking accidents when compared to aircraft accidents overall, and there was a case of injuries being caused to almost 40 people in one accident.

Moreover, while aircraft shaking accidents are caused by encounters with sudden turbulence in flight, it is believed that there are many lessons to be learned in terms of the responses and actions taken before and after the occurrence of these accidents in order to prevent the occurrence of similar accidents in the future.

In light of this situation, in this digest we have decided to introduce various statistical information and cases from accident investigations conducted by JTSB in an aim to prevent the recurrence of and mitigate the damage caused by aircraft shaking accidents.

We hope that this digest will facilitate measures to further ensure safety and will contribute to the prevention of the recurrence of similar accidents through its use as a teaching tool for people involved with safety seminars and similar purposes.

Figure 1 Example of Recording by DFDR (Digital Flight Data Recorder) (a large change in vertical acceleration (G) can be seen in aircraft shaking accidents)

Aircraft shaking accidents as defined in this digest
Refers to aircraft accidents investigated by JTSB (including the former Aircraft and Railway Accidents Investigation Commission) from October 2001 to June 2014 involving large aircraft (maximum takeoff weight of at least 5,700 kg) in which passengers and cabin attendants suffered injuries from the shaking of the aircraft. Note that the data stated include an accident that is still under investigation.

船舶事故ハザードマップ・グローバル版
(平成 26 年 4 月運用開始)

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Collision (Cargo ship:Fishing vessel)

2011/07/06 06:14

The cargo ship AQUAMARINE, with a master and twenty-one crew members on board, cleared the Tsurumi Passage established within Yokohama Section No. 3 of Keihin Port, and was proceeding

Accident search Display options List

Search result: 274 results Export CSV

<input checked="" type="checkbox"/>	No	Accident type and vessels involved
<input checked="" type="checkbox"/>	1	Contact (Fishing ship)
<input checked="" type="checkbox"/>	2	Grounding (Fishing ship)
<input checked="" type="checkbox"/>	3	Grounding (Pleasure boat)
<input checked="" type="checkbox"/>	4	Grounding (Fishing ship)
<input checked="" type="checkbox"/>	5	Grounding (Pleasure boat)
<input checked="" type="checkbox"/>	6	Grounding (Public-service ship:Pleasure boat)
<input checked="" type="checkbox"/>	7	Contact (Passenger ship)
<input checked="" type="checkbox"/>	8	Grounding (Pleasure boat)
<input checked="" type="checkbox"/>	9	Grounding (Pleasure boat)

Expand Close all info windows

Refresh search results automatically

39.44197, 139.27103 下田市
 *Each location on this map is shown approximately.
 *Attention: Internet Explorer10 users
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Japan Transport Safety Board Secretariat 2-1-2 Kasumigasaka, Chiyoda-ku, Tokyo, 100-8918, Japan Phone: +81-3-5253-8486