



KONINKLIJKE LUCHTVAART MAATSCHAPPIJ N.V.

Datum
March 24, '86

Van Dienst/Bur./Afd. FLIGHT SUPPORT SERVICES DEPT.

RAPPORT Nr.: 0088A

Onderwerp : Birdstrikes during 1985

Samensteller : C. Bakker

Aan : AMS/GL
Mr. C.H. Schoen

Cc : AMS/AD SPL/TA
AMS/OA SPL/CE
AMS/OD SPL/CA
AMS/OV SPL/BE
AMS/NP NVLS
AMS/NE RLD/LT
AMS/DV

1. General

Total number of detected birdstrikes 1985 74 (100%)

Birdstrikes at Amsterdam Schiphol	20 (27%)
at Aerodromes inside Europe	19 (25.7%)
at Aerodromes outside Europe	32 (43.2%)
en route	3 (4.1%)

2. Lists of birdstrikes at airports during 1985 (see attachments)

T = Take-off

C = Climb

A = Approach

L = Landing

3. Number of birdstrikes for KLM per airport 1985

				<u>Nr. of strikes Movements *</u>					<u>Strike/10.000 mov.</u>				
				<u>1985</u>	<u>1984</u>	<u>1983</u>	<u>1982</u>	<u>1981</u>					
Amsterdam	SPL	20	61.990	3.2	5.6	4.7	5.4	4.6					
Rotterdam	RTM	2	3.942	5.1	2.3	2.1							
Lisbon	LIS	2	728	27.4	18.2	36							
London	LHR	3	7.852	3.8	1.4	2.6							
Milan	LIN	x	1.430	-	14.2	13.7							
Paris	CDG	x	3.650	-	8.1	2.2							
Vienna	VIE	1	1.344	7.4	15.1	4.5							
Zurich	ZRH	1	2.010	4.9	13.1	6							
Curacao	CUR	2	754	26.3									
Arusha	JRO	10	210										
KLM World-wide 74				168.863	4.4	5.67	4.14	5.4	6.2				

* A movement is a landing or a take-off.

4. References

1. Pilots birdstrike report
2. Monthly birdstrike survey of Central Engineering Department
3. Actual Program of Logistics Department
4. KLM Insurance Department

Damage costs without consequential losses approximately
\$ 7.058.350,-

KLM		AIRPORTS		PHASE OF FLIGHTS										REGISTRATION, IDENTIFICATION AND COSTS.	
DATE	AMS	Inside Europe	Out Side Europe	T	C	A	L	F-27	F-28	DC-9	DC-8-63	A310	DC-10	B-747	
<u>JAN</u>															
18			SIN	X										X	PH-BUB
18			JNB	X										X	PH-BUG
<u>FEB</u>															
9	X			X										X	PH-BUN
<u>MAR</u>															
13		IST					X				X				PH-AGH
15	X					X		X							PH-KFI
20			ATL				X							X	PH-BUD
30	X				X					X					PH-DNC
31			CUR	X										X	Sea-gull PH-DTD
31	X			X						X					Cattle egret PH-DNM Seagull
<u>APR</u>															
3		STR					X	X							PH-CHD Lapwing
4			JRO			X						X			PH-AG
4			JRO	X								X			PH-AG
7			CUR			X							X		PN-DTA Falcon
8			JRO	X								X			PH-AGI \$1.350
14	X			X										X	N1309E
15			JRO	X								X			PH-AGH
28		GOT				X				X					PH-DNR
29			JRO				X					X			PH-AGI
29			JRO	X								X			PH-AGI
<u>MAY</u>															
8	X					X				X					PH-DNW
27		HAM				X				X					PH-DNR Swift

KLM		AIRPORTS		PHASE OF FLIGHTS										REGISTRATION, IDENTIFICATION AND COSTS.	
DATE	AMS	Inside Europe	Outside Europe	T	C	A	L	F-27	F-28	DC-9	DC-8-63	A310	DC-10	B-747	
<u>JUN</u>															
11		ZRH			X										PH-DNL
14		RTM		X											Swallow
17			JRO			X			X						PH-CHF
17			JRO				X					X			PH-AGH
17			JRO	X								X			PH-AGH
22	X			X											PH-AGH
27		DEL				X				X					PH-DNI
														X	PH-BUD
															\$ 2,4 milj.
<u>JUL</u>															
4	X					X									PH-AGE
5			DEL				X								Sparrow
8		BHX		X										X	PH-BUC
14			DEL	X					X						PH-CHD
28	X			X										X	PH-BUD
														X	N 4548 M
23		LHR				X						X			Wood pigeons
															PH-AGA
															Sparrow
<u>AUG</u>															
5		En-route			X					X					PH-DOB
7			VCP		X										PH-DTA
9	X						X			X					PH-DNI
11	X			X											PH-DTC
12		LIS		X											Seagull
19		RTM		X				X							PH-DTA
23	X			X						X					PH-CHF
															PH-DND
27	X			X											Falcon
														X	PH-BUE
															Doves
27		SIN				X									\$ 80.000,-
30		AUA					X							X	PH-BUL
31		VIE		X						X			X		PH-DTL
															PH-DNL

KLM		AIRPORTS		PHASE OF FLIGHTS									REGISTRATION, IDENTIFICATION AND COSTS.		
DATE.	AMS	Inside Europe	Outside Europe	T	C	A	L	F-27	F-28	DC-9	DC-8-63	A310	DC-10	B-747	
<u>SEP</u>															
4			GIG	X									X		PH-DTB Cattle egrets \$4.5 milj.
4			CGK		X									X	PH-BUD
12			KRT			X							X		PH-AGF
14			NRT	X										X	N1295E
15	X			X						X					PH-DOA Seagull \$ 10.000
19		LHR				X				X					PH-MAX Pigeon
19		NCL		X						X					PH-DNY Crow
21			KAN	X									X		PH-DTC
21		HAN					X			X					PH-DNC
26			LAX	X										X	PH-BUD \$ 5.000,-
<u>OCT</u>															
1	X			X										X	PH-BUK
4			LOS				X						X		PH-DTA
10		En route										X			PH-AGI
23	X						X			X					PH-DNM Falcon
29		EIN				X		X							PH-KFG
<u>NOV</u>															
4			LOS	X									X		PH-DTA
6			GIG			X							X		PH-DTB
9			LAX	X										X	PH-BUD
12	X						X					X			PH-AGF
13		En route						X							PH-CHB
18		LIS		X							X				PH-MAX
18	X					X			X						PH-CHF Lapwings
18		En route			X				X						PH-CHF Seagull \$ 10.000,-



KLM		AIRPORTS		PHASE OF FLIGHTS				F-27	F-28	DC-9	DC-B-65	A310	DC-10	B-747	REGISTRATION, IDENTIFICATION AND COSTS.
DATE	AMS	Inside Europe	Outside Europe	T	C	A	L								
DEC															
1	X						X			X					PH-DNP
5		MUC		X						X					PH-MAX
9		LHR				X						X			Seagull (\$1000.-)
25			MVD	X									X		PH-AGK
															Seagulls
															PH-DTC
27	X						X			X					Cattle egrets
															\$ 2000
29			JRO	X											PH-DNR
												X			Lapwings
															PH-AGH
															Swallow