

BRUSSELS AIRPORT



Landing and take-off statistics

2011

Statistics of air traffic movements at Brussels National Airport (local time) 2011

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FOREWORD

This is the 12th edition of the landing and take-off statistics of Brussels National Airport generated from the records registered and treated by the service “Redevances et Statistiques Aéronautiques” (REDSTAR) of Belgocontrol.

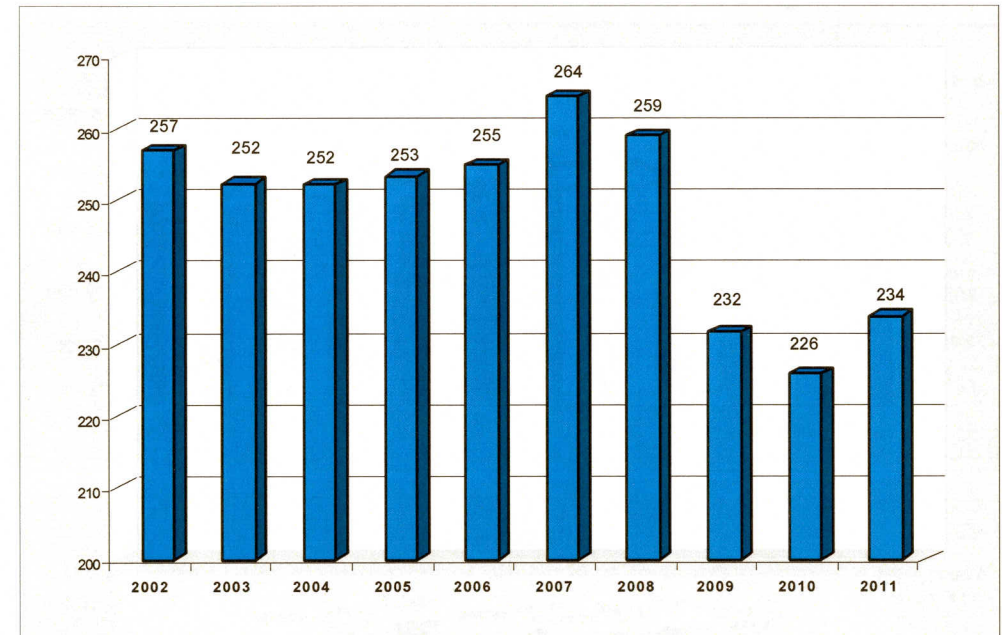
We hope you will appreciate this publication.
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Attention:

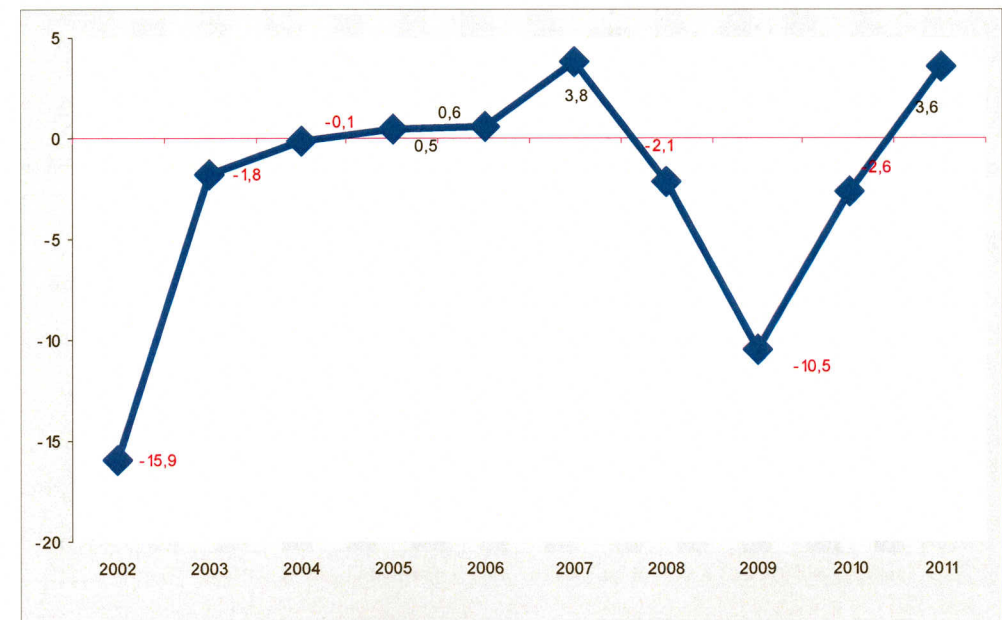
The Royal Decree of 12 September 2011 imposed a new charging system applicable to terminal services that introduced, in order to replace the 4 noise categories (classified in a decreasing order), 6 new acoustic categories that are classified in increasing order from A(1) to F(6) (A being the least noisy category and F the noisiest). These new regulations are in conformity with European legislation and they are applicable as from 1 November 2011. Therefore, it is no longer possible to compare the number of aircraft movements per noise category for the months of November and December 2011 to the previous years.

EVOLUTION OF MOVEMENTS PER YEAR (in thousands)

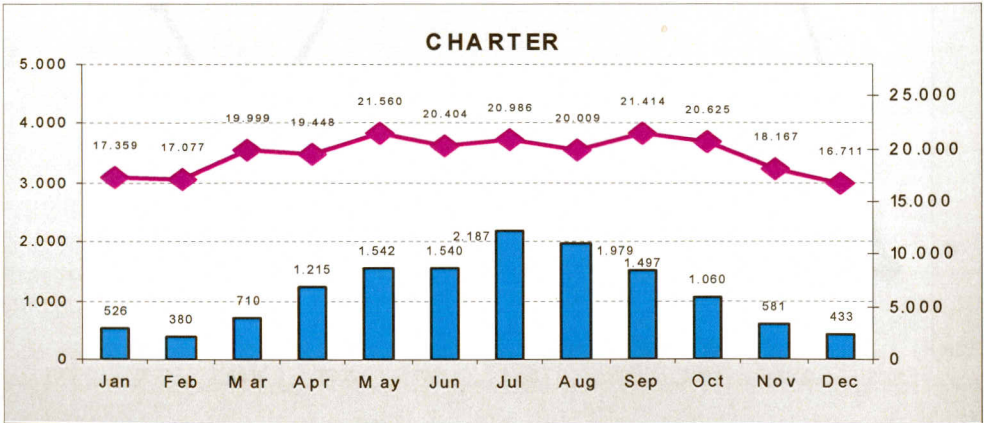
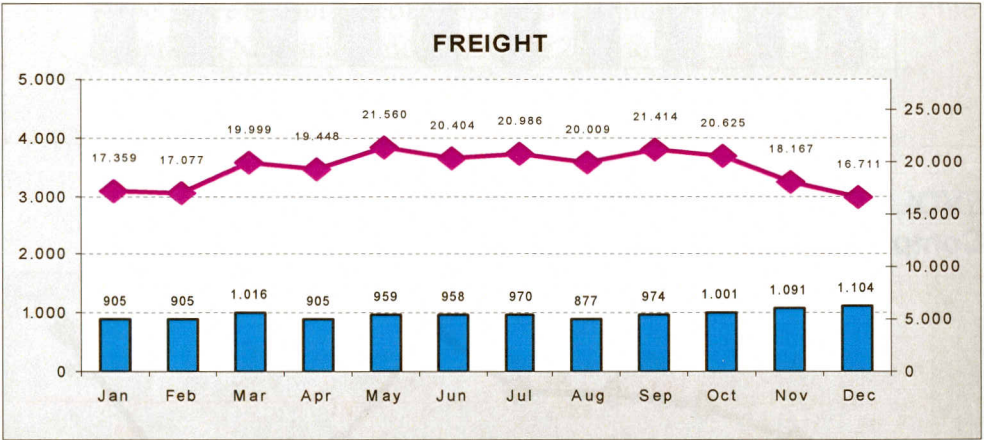
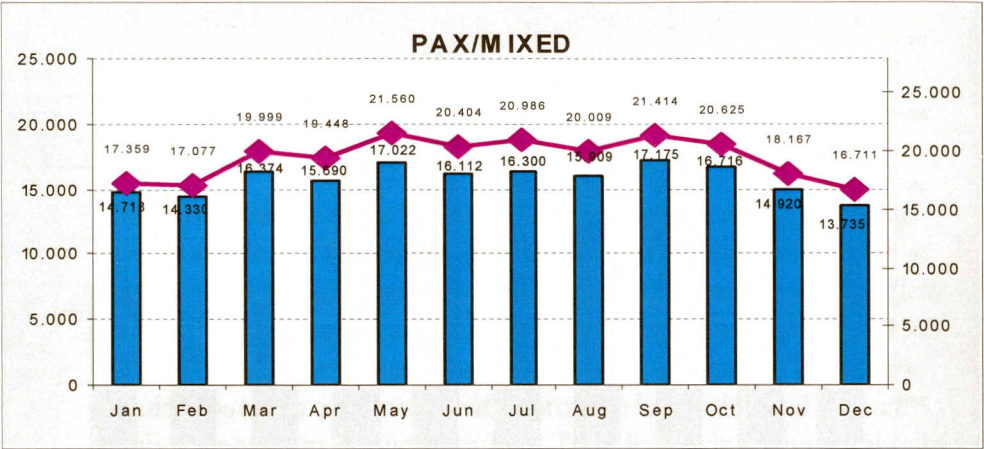


EVOLUTION OF MOVEMENTS PER YEAR (per cent)

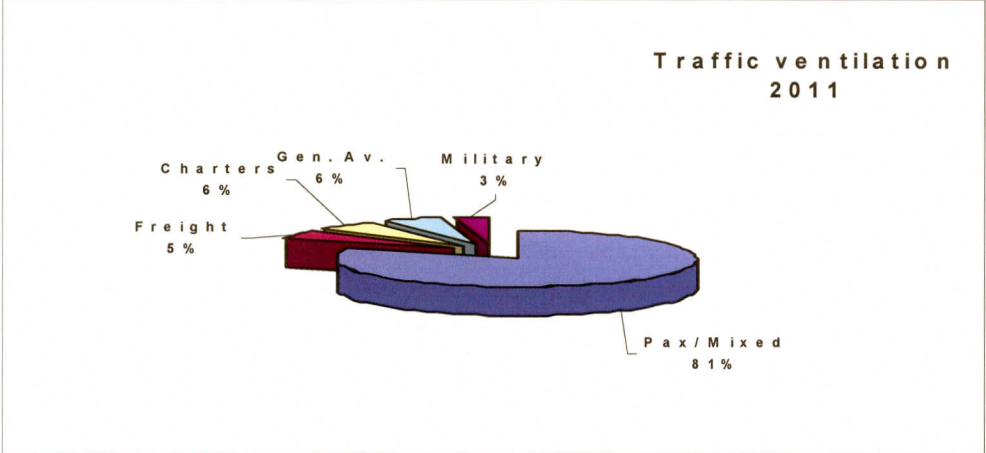
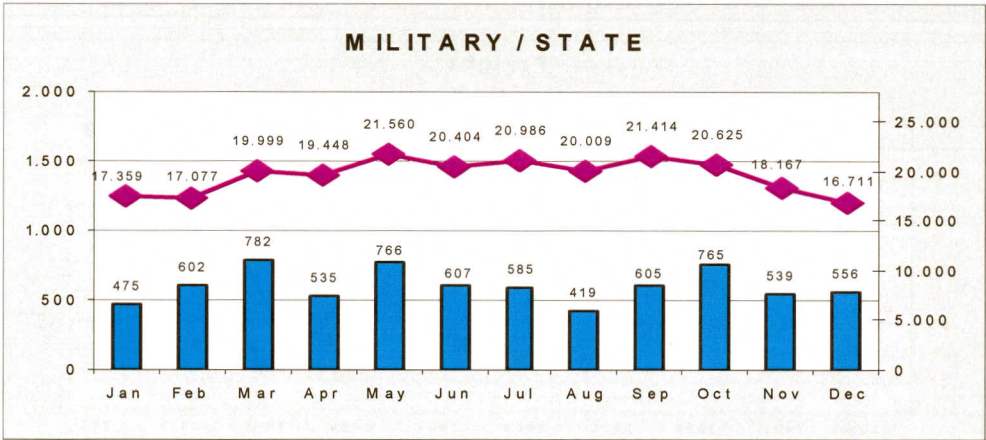
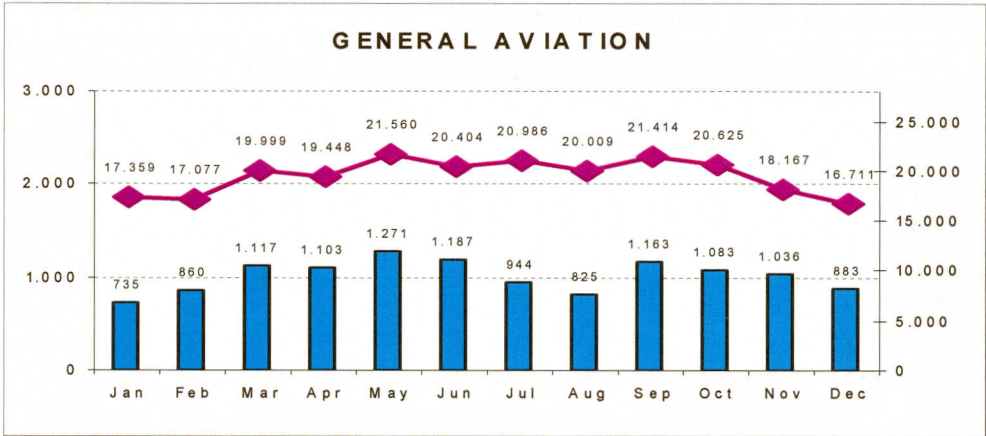
Comparison with the previous year



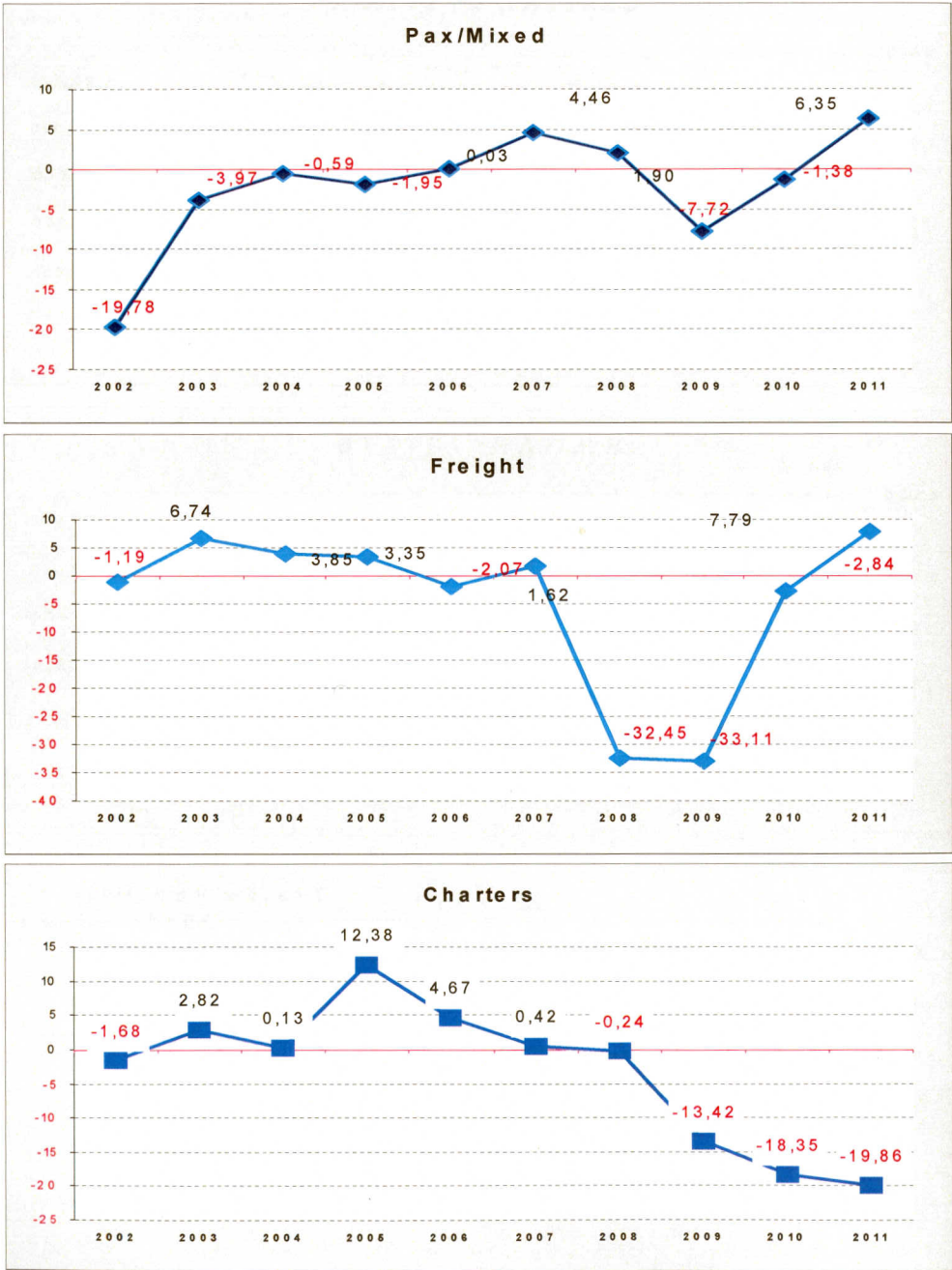
MOVEMENTS PER MONTH - 2011 Per type of flight



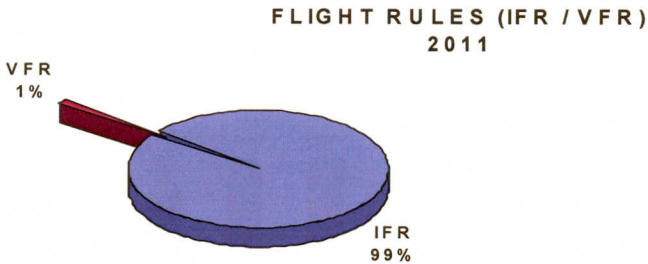
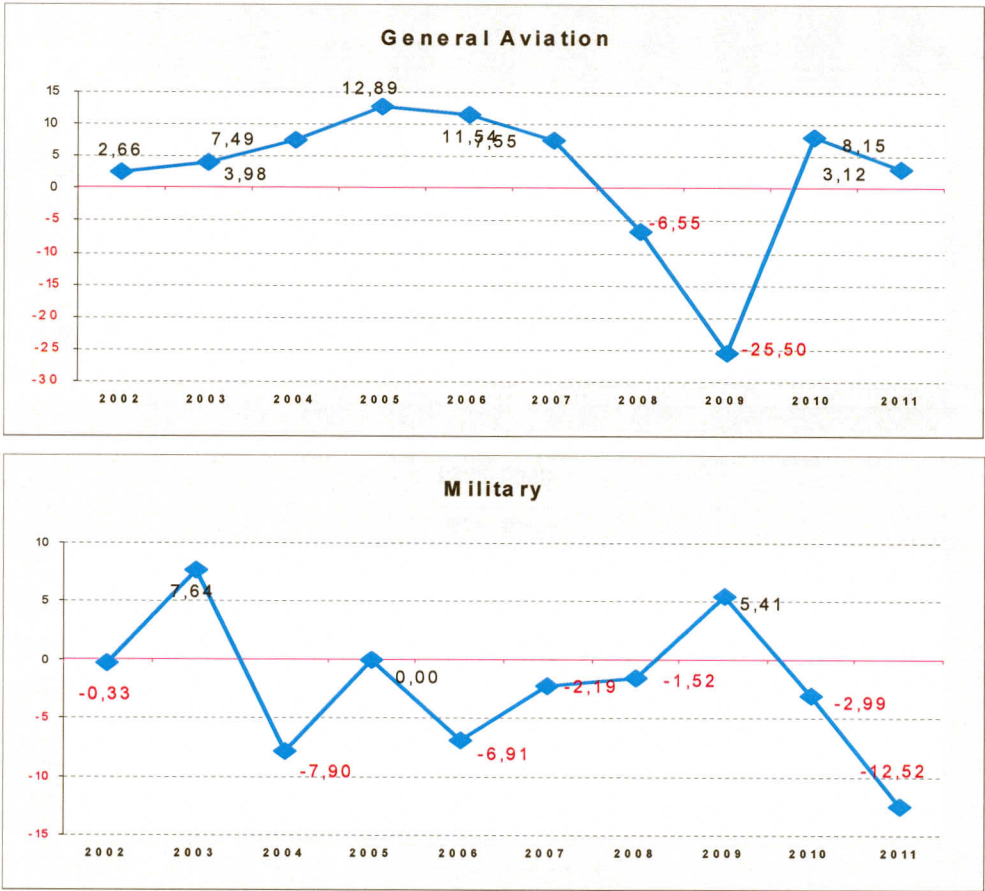
MOVEMENTS PER MONTH - 2011 Per type of flight



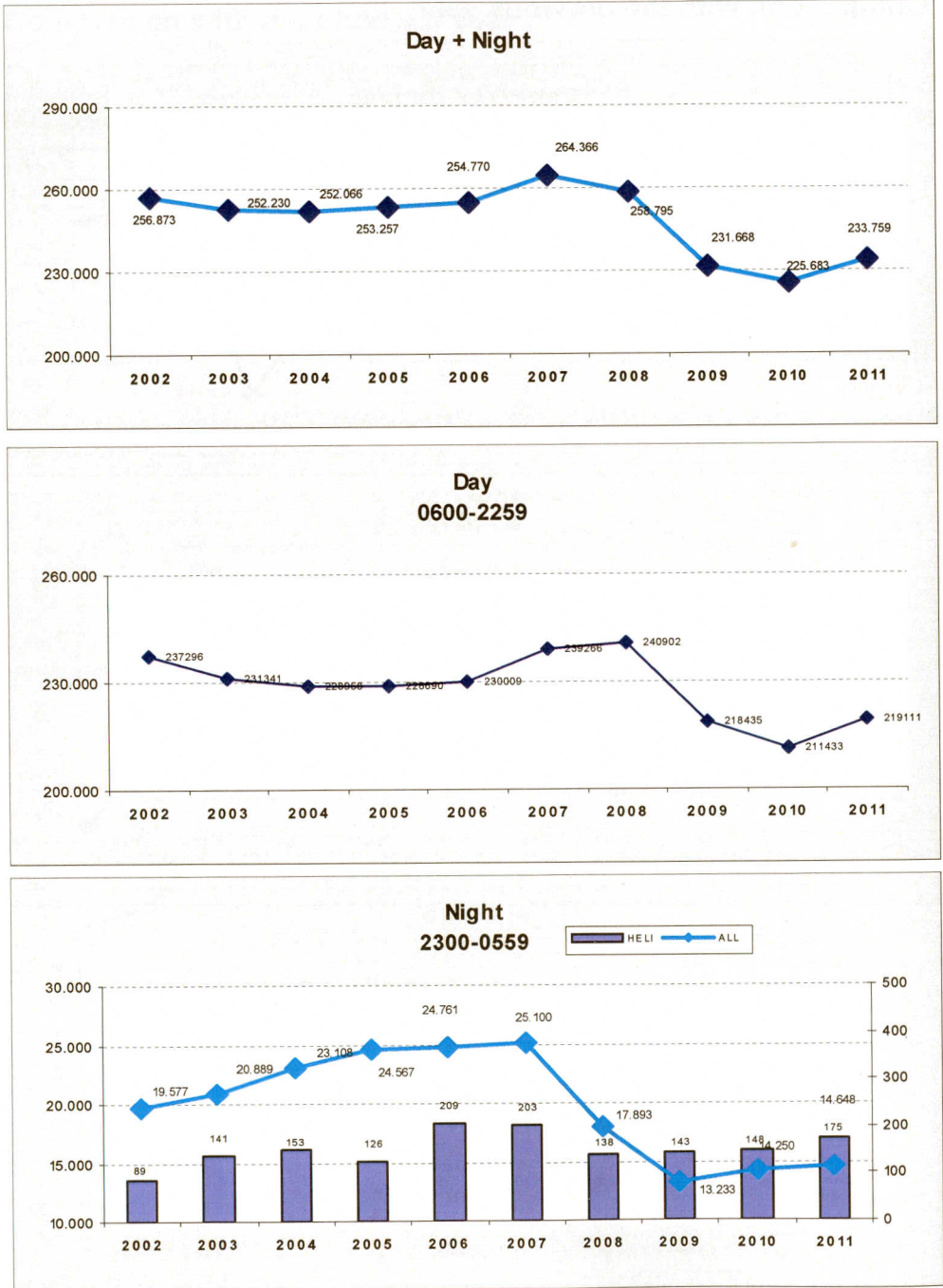
EVOLUTION OF MOVEMENTS (per cent)
Per type of flight
Comparison with the previous year



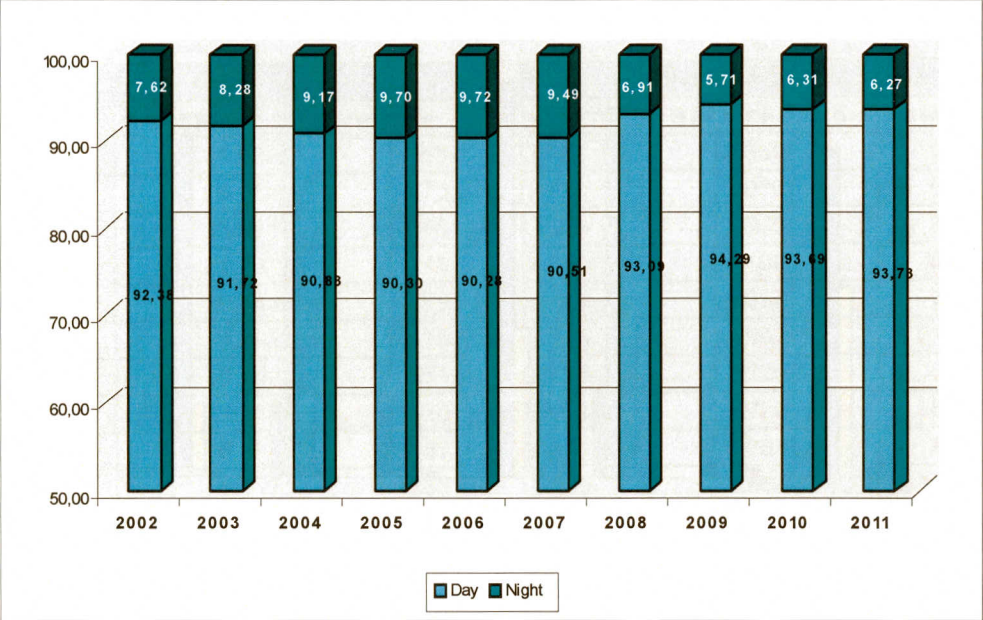
EVOLUTION OF MOVEMENTS (per cent)
Per type of flight
Comparison with the previous year



DAY AND NIGHT TRAFFIC Evolution of movements per year



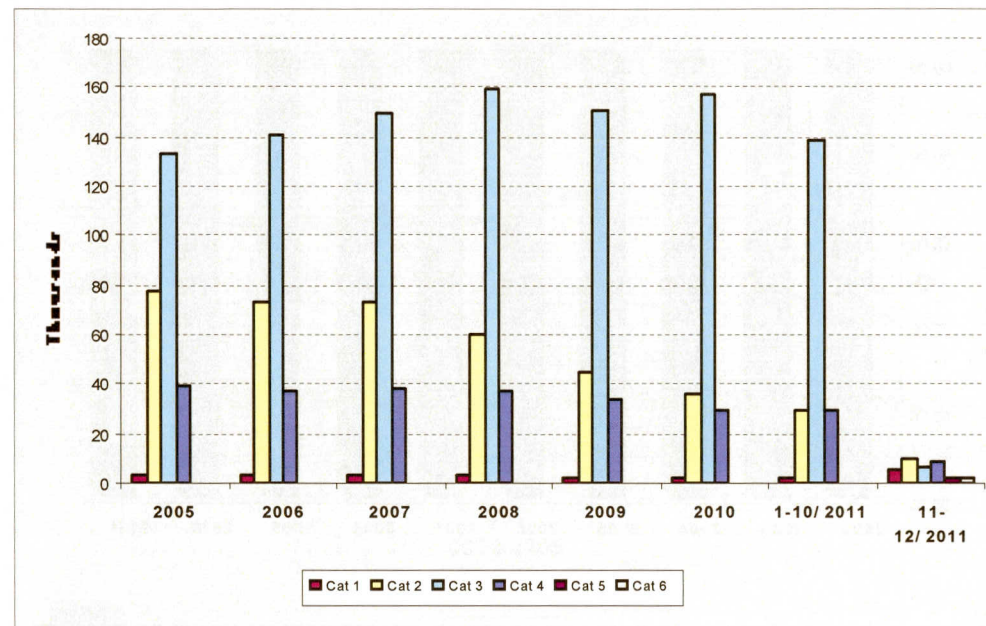
DAY AND NIGHT TRAFFIC (per cent) Traffic ventilation



Evolution of night traffic (per cent) Comparison with the previous year



EVOLUTION OF MOVEMENTS PER NOISE CATEGORY (in thousands)



CAT 1 : Noisiest aircraft

EVOLUTION OF MOVEMENTS PER NOISE CATEGORY (percentage)

	2005	2006	2007	2008	2009	2010	1-10/ 2011	11-12/ 2011
CAT 1	1,4	1,4	1,2	1,2	1,1	1,0	0,9	14,4
CAT 2	30,6	28,7	27,7	23,1	19,1	16,0	14,7	29,2
CAT 3	52,5	55,4	56,5	61,5	64,9	69,8	69,4	19,8
CAT 4	15,5	14,5	14,5	14,2	14,8	13,2	15,0	24,4
CAT 5								4,9
CAT 6								7,2

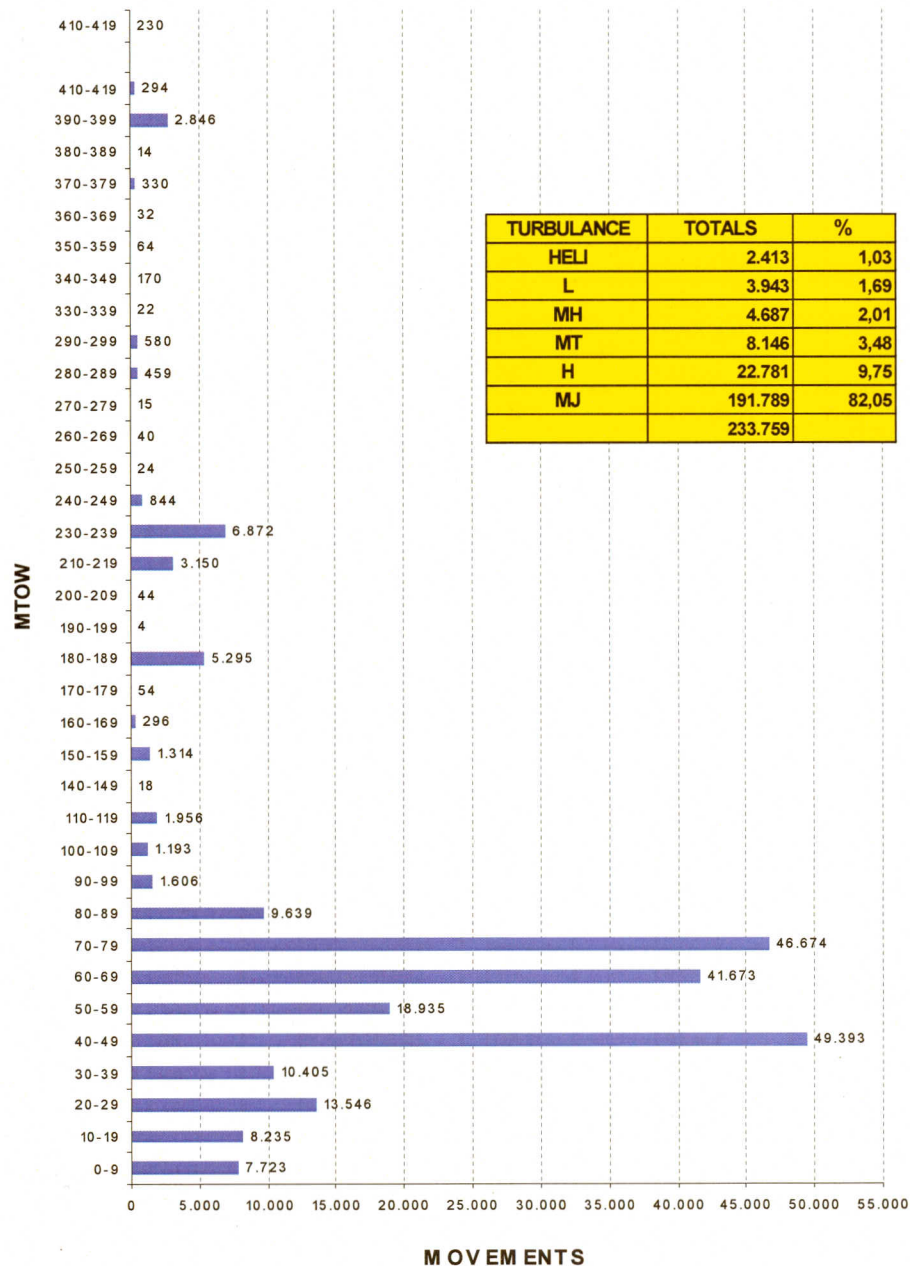
MOVEMENTS/AVERAGE MTOW PER AIRCRAFT TYPE 2011 (day 0600-2259, night 2300-0559)

DAY		
VLTYPE	MOVEMENTS	AVG/MTOW
A319	31.599	68
A320	24.084	75
RJ1H	23.530	45
RJ85	21.761	43
B733	10.143	59
B738	9.253	78
B734	8.002	64
E145	7.330	20
A321	6.982	87
A332	6.117	233
B735	4.613	55
B763	4.563	185
DH8D	4.371	29
E190	3.809	50
B737	3.672	67
E135	3.395	19
F70	3.140	38
B744	3.016	397
A333	2.874	218
B736	2.549	60
B752	2.348	113
CRJ9	2.057	38
EXPL	1.865	3
CRJ7	1.848	34
C130	1.429	71
B772	1.426	269
E170	1.415	38
C56X	1.276	10
F100	1.150	45
MD82	1.063	68

NIGHT		
VLTYPE	MOVEMENT	AVG/MTOW
B752	2.339	98
B733	2.070	62
A320	1.775	76
A319	1.169	69
B738	1.037	78
A333	802	215
B734	726	65
B763	726	187
A321	633	87
A30B	567	154
B737	331	69
ATP	306	23
RJ1H	294	45
BE20	241	6
A332	229	232
EXPL	173	3
RJ85	160	43
B744	138	396
B735	102	58
MD11	91	286
C525	66	5
B462	57	43
C56X	49	10
E190	29	51
E135	27	20
F900	26	22
A310	26	157
B350	25	7
C130	25	71
CL60	23	21

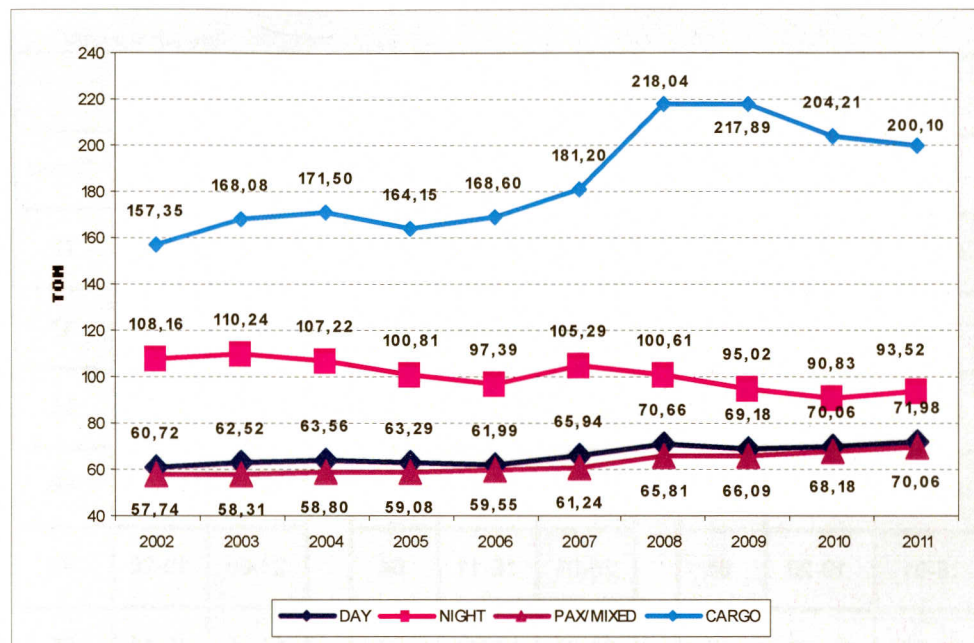
AIRCRAFT SIZE (Maximum Take-Off Weight) - 2011

Movements grouped per 10 tons



Average MTOW per movement (day 0600-2259, night 2300-0559)

Average MTOW per type of flight (PAX - CARGO)



Total MTOW all movements (in tons)

	DAY	NIGHT	TOTAL
2002	14.407.842	2.117.381	16.525.223
2003	14.462.597	2.302.264	16.764.861
2004	14.551.892	2.477.591	17.029.483
2005	14.474.740	2.476.709	16.951.449
2006	14.258.800	2.411.580	16.670.380
2007	15.776.937	2.642.763	18.419.700
2008	17.023.253	1.800.179	18.823.432
2009	15.112.075	1.257.410	16.369.485
2010	14.813.060	1.294.318	16.107.378
2011	15.772.666	1.369.927	17.142.593

TOP TEN PEAK HOURS Movements

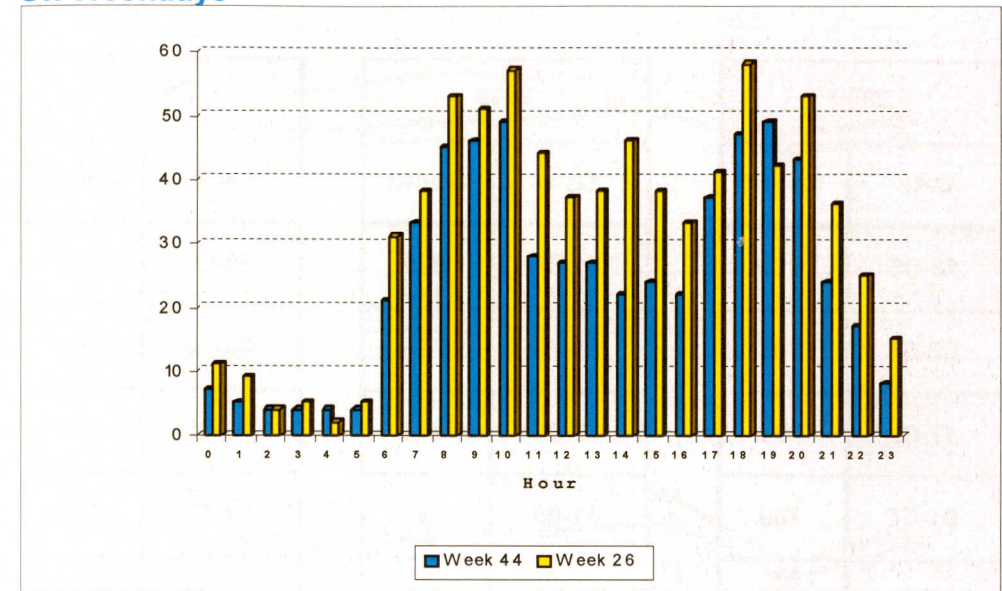
2009		
Date	Hour	Count
07-05	19-20	74
28-09	9-10	70
29-01	19-20	70
25-09	20-21	69
15-01	19-20	68
04-06	19-20	68
30-03	19-20	67
01-04	9-10	67
26-03	19-20	67
23-03	19-20	67

2010		
Date	Hour	Count
07-05	18-19	68
16-09	18-19	67
15-07	20-21	67
17-06	19-20	64
25-01	10-11	64
14-07	19-20	63
21-02	19-20	62
25-02	10-11	62
16-09	9-10	62
11-06	9-10	61

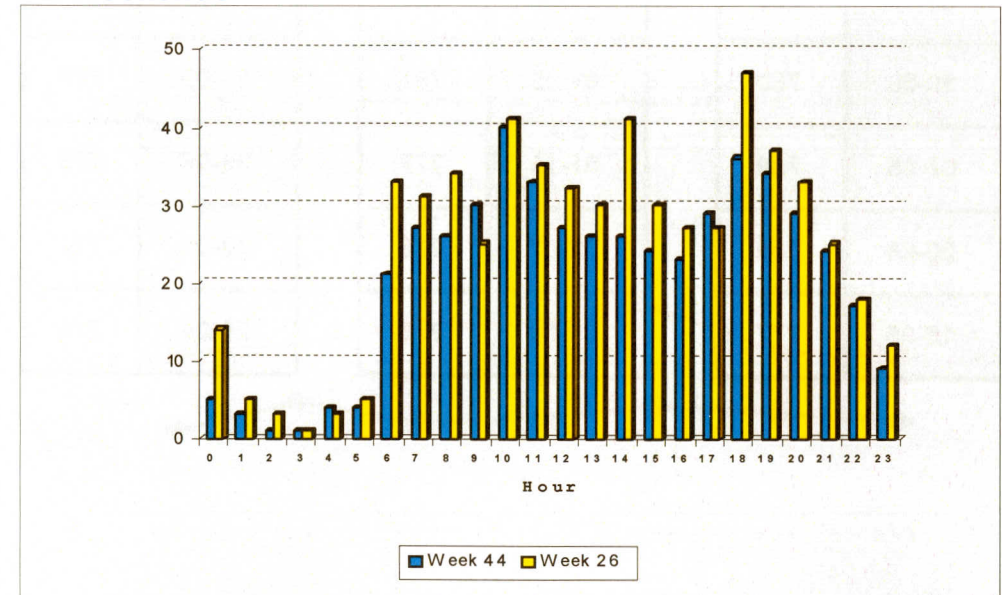
2011		
Date	Hour	Count
29-09	18-19	72
19-05	8-9	67
03-10	18-19	66
14-11	10-11	66
23-06	19-20	65
19-09	10-11	65
17-11	10-11	65
23-09	8-9	64
13-07	19-20	64
15-07	18-19	63

LOW WEEK (44) and PEAK WEEK (26) - 2011 Average movements per hour

On Weekdays



On Weekends



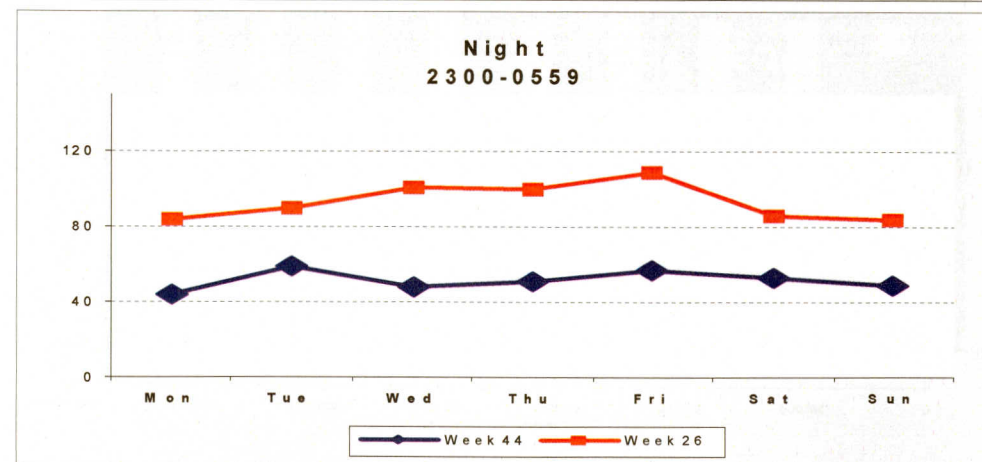
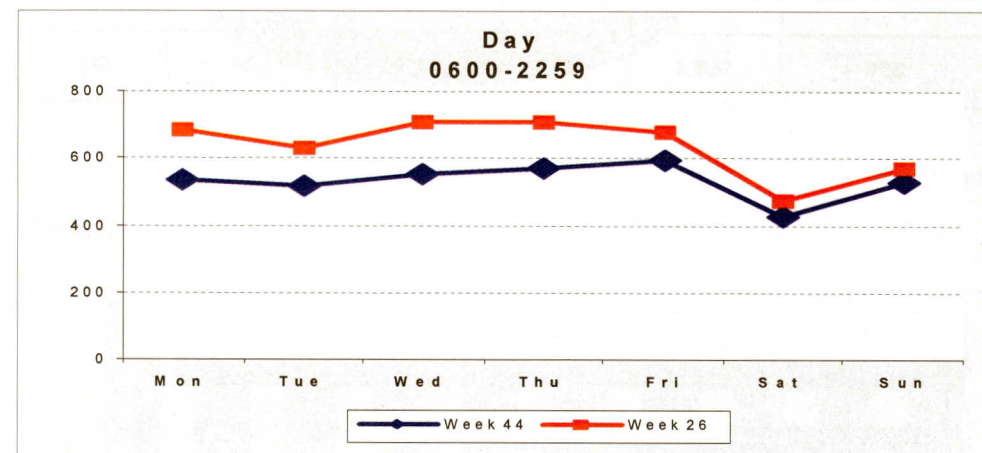
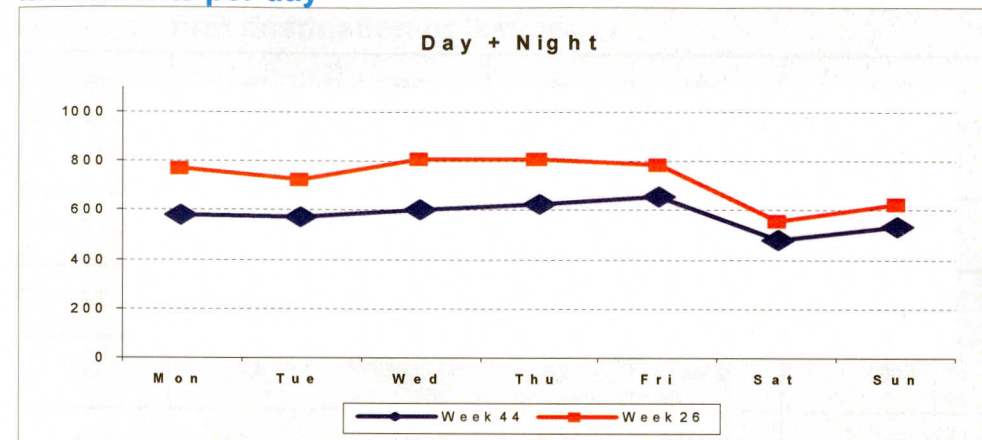
TOP TEN PEAK DAYS Movements

2009	
Date	Count
18-06	813
02-07	808
17-09	791
01-07	788
17-06	787
30-06	781
19-06	780
07-05	780
29-05	780
15-05	777

2010	
Date	Count
01-07	821
30-06	795
17-09	792
31-08	787
27-09	786
11-06	782
07-05	781
01-10	777
02-07	776
29-06	776

2011	
Date	Count
29-06	811
30-06	811
23-06	797
01-07	790
07-09	786
05-05	781
23-09	777
09-09	775
30-09	774
26-09	774

LOW WEEK (44) and PEAK WEEK (26) - 2011 Movements per day

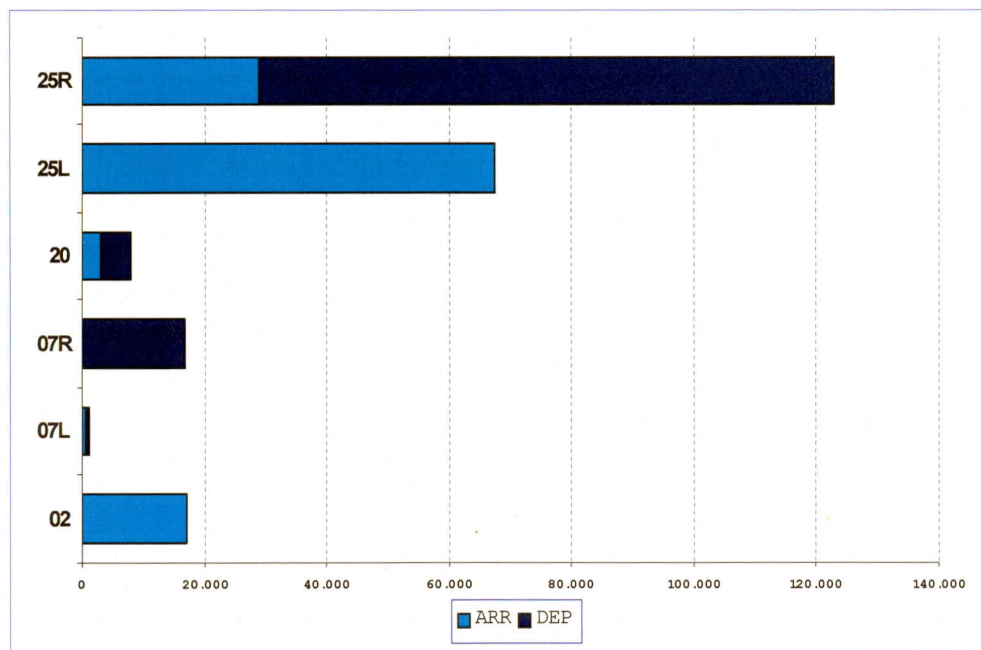


RUNWAY USE - 2011

Movements (Arrival - Departure)

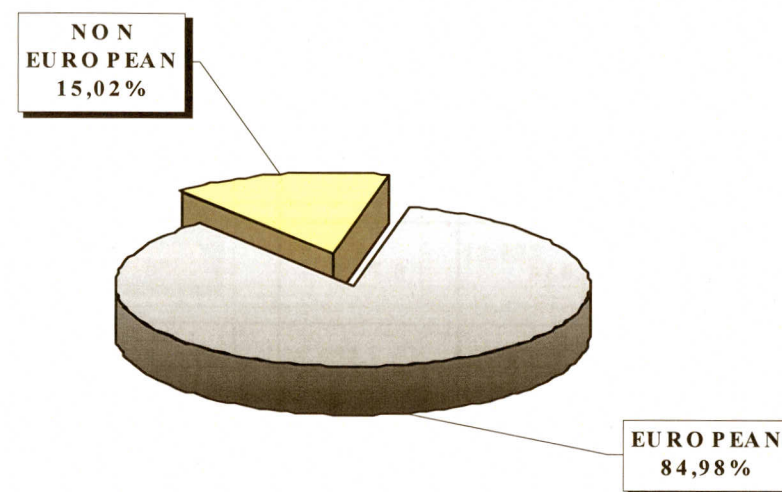
R/W	ARR	A%	DEP	D%	T%
02	17.154	14,7	67	0,1	7,4
07L	417	0,4	805	0,7	0,5
07R	0	0,0	16.858	14,4	7,2
20	2.944	2,5	5.099	4,4	3,4
25L	67.440	57,7	84	0,1	28,9
25R	28.934	24,8	93.966	80,4	52,6

Legend : A% : Percentage of total arrival count
D% : Percentage of total departure count
T% : Percentage of total count

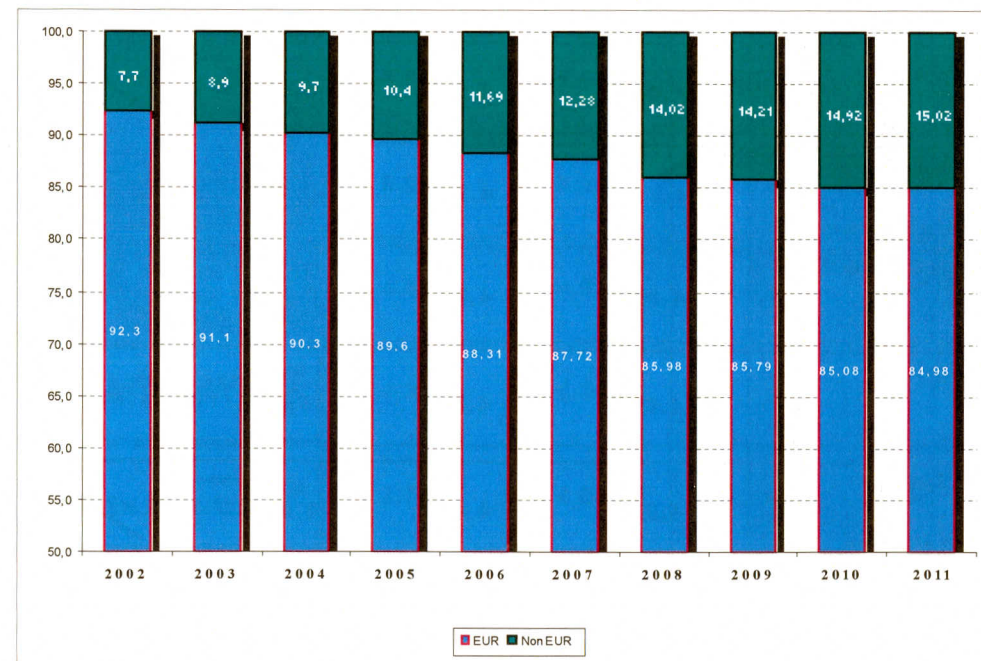


European versus non-European Traffic - 2011

For flights with stopovers : based on first destination or last origin



Evolution



TOP TEN DIRECT CONNECTIONS Movements

	2010	2011	11 vs. 10
LONDON Heathrow	6.976	7.010	0,49% 
FRANKFURT Main	5.634	6.718	19,24% 
GENEVE	5.867	6.288	7,18% 
KOBENHAVN Kastrup	5.381	5.927	10,15% 
MADRID Barajas	5.424	5.556	2,43% 
MUNICH	4.897	5.156	5,29% 
ROME Fiumicino	4.761	4.728	-0,69% 
BARCELONA	4.367	4.719	8,06% 
WIEN	4.897	4.605	-5,96% 
Milano Malpensa	4.071	4.477	9,97% 

TOP TEN CARRIERS Movements

	2010	2011	11 vs. 10
 SN Brussels Airlines	75.348	79.332	5,3% 
 Lufthansa	11.725	12.923	10,2% 
 TUI AIRLINES	8.981	9.262	3,1% 
 Thomas Cook	6.673	6.197	-7,1% 
 DHL WORLDWIDE EXPRESS®	4.756	5.913	24,3% 
 easyJet.com	4.658	5.592	20,1% 
 swiss +	5.044	5.248	4,0% 
 sas	4.808	4.934	2,6% 
 JET AIRWAYS	4.314	4.368	1,3% 
 BRITISH AIRWAYS	3.784	4.046	6,9% 