

WYNIKI CIĄGŁYCH POMIARÓW HAŁASU W ŚRODOWISKU  
DLA PORTU LOTNICZEGO IM. F. CHOPINA W WARSZAWIE

**Nazwa obiektu:** punkt pomiarowy nr 5 „Meral”

Data wykonania pomiaru:

początek: 01-07-2008

koniec: 31-07-2008

Lokalizacja punktu pomiarowego: Warszawa, ul. Czereśniowa 98

Układ współrzędnych: WGS 84

Szerokość geograficzna: N 52° 12' 08,4”

Długość geograficzna: E 20° 55' 48,2”

Względna wysokość punktu pomiarowego [m]: 24

**Szkic sytuacyjny:**



**Metoda badań:**

Metoda ciągłych lub okresowych pomiarów monitoringowych: metodyka referencyjna, określona w załączniku nr 1 do rozporządzenia Ministra Środowiska z dnia 23.01.2003 w sprawie prowadzenia pomiarów poziomów w środowisku substancji lub energii przez zarządzającego drogą, linią kolejową, linią tramwajową, lotniskiem, portem.

**Aparatura pomiarowa:**

Analizator poziomu dźwięku (producent; nr typu): Lochard, EMU-2

Mikrofon/sonda mikrofonowa (producent; nr typu): Lochard, 41DM-2

Świadectwo legalizacji nr 3830-LB12-431-450.5/1042/TW/06 wydane dnia 26.09.2006 r. przez Prezesa Głównego Urzędu Miar w Warszawie, ważne do dnia 30.09.2008 r.

Wzorzec akustyczny (producent; nr typu) Brüel & Kjær; 4228

**Oznaczenia:**

A – ładowanie

D – start

## Pora dnia

| Data       | samolot | operacja* | L <sub>Aeq</sub> | L <sub>Amax</sub> | L <sub>AE</sub> |
|------------|---------|-----------|------------------|-------------------|-----------------|
| 2008-07-01 | MD11    | D         | 79,10            | 86,70             | 95,60           |
| 2008-07-01 | B763    | D         | 77,20            | 83,00             | 92,00           |
| 2008-07-01 | B762    | D         | 77,60            | 82,20             | 91,30           |
| 2008-07-01 | B762    | D         | 75,10            | 78,10             | 88,70           |
| 2008-07-01 | B763    | D         | 76,90            | 82,50             | 91,50           |
| 2008-07-02 | B763    | D         | 76,10            | 81,70             | 90,70           |
| 2008-07-02 | B762    | D         | 77,10            | 81,80             | 91,40           |
| 2008-07-02 | B763    | D         | 76,10            | 80,90             | 89,70           |
| 2008-07-02 | B762    | D         | 75,00            | 79,20             | 89,00           |
| 2008-07-02 | B763    | D         | 75,20            | 79,90             | 89,00           |
| 2008-07-04 | B762    | D         | 76,00            | 80,40             | 90,30           |
| 2008-07-04 | B763    | D         | 76,10            | 81,50             | 91,30           |
| 2008-07-04 | B763    | D         | 75,70            | 81,30             | 89,90           |
| 2008-07-05 | E170    | D         | 71,80            | 76,90             | 86,70           |
| 2008-07-05 | E170    | D         | 67,70            | 69,80             | 81,10           |
| 2008-07-05 | B763    | D         | 78,90            | 84,60             | 93,30           |
| 2008-07-05 | B763    | D         | 75,10            | 81,30             | 91,10           |
| 2008-07-05 | AT72    | D         | 68,80            | 70,40             | 79,60           |
| 2008-07-05 | E170    | D         | 69,00            | 71,90             | 84,30           |
| 2008-07-05 | B763    | D         | 77,00            | 81,60             | 90,60           |
| 2008-07-05 | B763    | D         | 76,00            | 81,30             | 92,00           |
| 2008-07-05 | B762    | D         | 75,40            | 79,20             | 89,30           |
| 2008-07-05 | B734    | D         | 74,80            | 79,10             | 89,80           |
| 2008-07-06 | B763    | D         | 77,10            | 82,10             | 91,40           |
| 2008-07-06 | B762    | D         | 76,00            | 81,40             | 89,90           |
| 2008-07-06 | B763    | D         | 75,60            | 81,40             | 91,10           |
| 2008-07-06 | B762    | D         | 76,00            | 80,30             | 89,40           |
| 2008-07-07 | L410    | A         | 68,80            | 69,50             | 78,80           |
| 2008-07-07 | B763    | D         | 76,30            | 81,90             | 90,90           |
| 2008-07-07 | B762    | D         | 76,60            | 80,40             | 90,20           |
| 2008-07-07 | A320    | A         | 67,70            | 68,90             | 78,80           |
| 2008-07-07 | B752    | D         | 70,20            | 71,80             | 84,30           |
| 2008-07-08 | B734    | D         | 71,50            | 73,80             | 83,20           |
| 2008-07-08 | B763    | D         | 72,60            | 77,70             | 86,80           |
| 2008-07-08 | B763    | D         | 76,90            | 81,90             | 90,50           |
| 2008-07-08 | B762    | D         | 75,90            | 80,20             | 90,10           |
| 2008-07-08 | B763    | A         | 69,10            | 70,00             | 79,10           |
| 2008-07-08 | B762    | D         | 75,90            | 80,60             | 88,70           |
| 2008-07-08 | B763    | D         | 76,20            | 82,40             | 91,10           |
| 2008-07-09 | MD83    | D         | 74,00            | 80,20             | 90,60           |
| 2008-07-09 | B734    | D         | 76,10            | 81,70             | 89,90           |
| 2008-07-09 | E170    | D         | 71,40            | 76,90             | 86,60           |
| 2008-07-09 | B763    | D         | 74,80            | 80,10             | 90,00           |
| 2008-07-09 | B763    | D         | 76,20            | 82,80             | 90,80           |
| 2008-07-09 | B762    | D         | 76,60            | 82,50             | 91,30           |
| 2008-07-09 | B738    | D         | 72,10            | 76,80             | 87,60           |
| 2008-07-09 | B738    | D         | 71,60            | 76,10             | 87,30           |
| 2008-07-09 | B763    | D         | 76,20            | 81,50             | 90,50           |
| 2008-07-09 | B763    | D         | 75,40            | 80,20             | 90,00           |
| 2008-07-09 | B763    | A         | 66,90            | 68,00             | 77,30           |
| 2008-07-10 | B763    | D         | 74,80            | 78,40             | 88,40           |

|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-10 | B763 | D | 76,80 | 80,80 | 91,10 |
| 2008-07-10 | B762 | D | 75,90 | 80,80 | 91,00 |
| 2008-07-10 | B763 | D | 75,40 | 81,10 | 90,20 |
| 2008-07-11 | MD11 | D | 82,50 | 89,70 | 97,60 |
| 2008-07-11 | B763 | D | 78,20 | 83,40 | 91,80 |
| 2008-07-11 | B763 | D | 77,70 | 83,40 | 92,10 |
| 2008-07-11 | B763 | D | 76,60 | 82,50 | 91,20 |
| 2008-07-11 | P180 | D | 72,50 | 76,50 | 85,90 |
| 2008-07-11 | B752 | D | 70,30 | 73,00 | 84,90 |
| 2008-07-11 | B734 | D | 80,70 | 86,90 | 93,50 |
| 2008-07-11 | B734 | D | 76,00 | 81,20 | 89,40 |
| 2008-07-12 | E170 | D | 71,30 | 74,90 | 85,20 |
| 2008-07-12 | B763 | D | 78,00 | 83,30 | 91,60 |
| 2008-07-12 | B763 | D | 77,00 | 82,00 | 90,80 |
| 2008-07-12 | B763 | D | 77,10 | 83,10 | 91,40 |
| 2008-07-12 | B762 | D | 75,60 | 79,70 | 89,20 |
| 2008-07-12 | B763 | D | 76,30 | 80,50 | 89,90 |
| 2008-07-12 | B734 | D | 79,20 | 85,50 | 93,00 |
| 2008-07-13 | B763 | D | 78,90 | 83,70 | 92,50 |
| 2008-07-13 | B763 | D | 74,70 | 79,80 | 88,50 |
| 2008-07-13 | B763 | D | 77,70 | 83,00 | 91,30 |
| 2008-07-13 | B763 | D | 78,10 | 83,40 | 92,00 |
| 2008-07-14 | E170 | D | 68,00 | 71,40 | 79,50 |
| 2008-07-14 | B735 | D | 70,30 | 73,10 | 82,80 |
| 2008-07-14 | B763 | D | 73,50 | 78,50 | 88,40 |
| 2008-07-14 | B763 | D | 76,10 | 80,20 | 90,60 |
| 2008-07-14 | B763 | D | 76,90 | 81,20 | 91,30 |
| 2008-07-14 | B762 | D | 76,70 | 81,00 | 91,00 |
| 2008-07-14 | B763 | D | 76,80 | 81,20 | 91,60 |
| 2008-07-15 | E170 | D | 69,70 | 73,00 | 83,80 |
| 2008-07-15 | MD11 | D | 78,30 | 84,10 | 94,60 |
| 2008-07-15 | A320 | A | 68,70 | 70,80 | 81,00 |
| 2008-07-15 | B763 | D | 76,10 | 81,90 | 92,40 |
| 2008-07-15 | B763 | D | 75,70 | 81,20 | 90,70 |
| 2008-07-15 | B763 | D | 73,90 | 78,60 | 88,50 |
| 2008-07-15 | B763 | D | 76,00 | 79,90 | 90,20 |
| 2008-07-15 | B762 | D | 73,80 | 76,60 | 86,80 |
| 2008-07-16 | B752 | D | 74,90 | 79,80 | 89,40 |
| 2008-07-16 | B762 | D | 76,00 | 80,70 | 90,00 |
| 2008-07-16 | B763 | D | 77,00 | 82,40 | 91,60 |
| 2008-07-16 | MD11 | D | 81,50 | 87,60 | 97,10 |
| 2008-07-17 | E170 | D | 70,40 | 73,60 | 84,40 |
| 2008-07-17 | F70  | D | 72,10 | 76,10 | 85,30 |
| 2008-07-17 | CRJ2 | D | 67,20 | 68,60 | 77,60 |
| 2008-07-17 | A320 | D | 72,90 | 76,60 | 87,40 |
| 2008-07-17 | B752 | D | 72,30 | 76,30 | 86,10 |
| 2008-07-17 | E190 | D | 71,60 | 76,60 | 86,10 |
| 2008-07-17 | AT72 | D | 70,50 | 72,10 | 82,00 |
| 2008-07-17 | B733 | A | 69,80 | 72,40 | 84,00 |
| 2008-07-17 | B734 | D | 75,70 | 80,80 | 90,70 |
| 2008-07-17 | B734 | D | 75,00 | 79,30 | 89,50 |
| 2008-07-17 | B763 | D | 77,10 | 82,00 | 90,30 |
| 2008-07-17 | B763 | D | 76,40 | 82,40 | 91,90 |
| 2008-07-17 | B762 | D | 76,40 | 81,40 | 90,40 |
| 2008-07-17 | E170 | D | 68,80 | 70,80 | 82,60 |
| 2008-07-17 | B763 | D | 76,20 | 83,20 | 91,60 |

|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-18 | MD11 | D | 67,30 | 68,40 | 77,30 |
| 2008-07-18 | E170 | D | 67,90 | 69,00 | 79,40 |
| 2008-07-18 | B735 | D | 67,00 | 70,20 | 80,10 |
| 2008-07-18 | B763 | D | 77,70 | 83,50 | 92,60 |
| 2008-07-18 | B763 | D | 75,70 | 81,60 | 90,90 |
| 2008-07-18 | B734 | D | 76,60 | 81,90 | 91,20 |
| 2008-07-18 | MD11 | D | 80,10 | 86,10 | 96,10 |
| 2008-07-19 | B763 | D | 77,00 | 82,00 | 91,60 |
| 2008-07-19 | B763 | D | 77,70 | 82,60 | 93,00 |
| 2008-07-19 | B762 | D | 78,10 | 83,10 | 92,10 |
| 2008-07-20 | A320 | D | 71,60 | 74,60 | 85,40 |
| 2008-07-20 | B763 | D | 77,50 | 81,60 | 91,70 |
| 2008-07-20 | B763 | D | 76,20 | 81,50 | 91,00 |
| 2008-07-20 | B735 | D | 71,40 | 75,90 | 86,00 |
| 2008-07-20 | B763 | D | 74,70 | 79,20 | 89,00 |
| 2008-07-20 | B762 | D | 75,60 | 79,30 | 89,80 |
| 2008-07-21 | B738 | D | 69,20 | 71,20 | 81,70 |
| 2008-07-21 | E170 | D | 69,20 | 71,80 | 84,50 |
| 2008-07-21 | E170 | D | 68,10 | 69,60 | 81,40 |
| 2008-07-21 | B734 | D | 67,60 | 70,70 | 82,80 |
| 2008-07-21 | B752 | D | 67,10 | 67,70 | 77,80 |
| 2008-07-21 | E145 | A | 67,60 | 68,50 | 80,80 |
| 2008-07-21 | B763 | D | 80,10 | 86,50 | 95,40 |
| 2008-07-21 | B763 | D | 76,80 | 82,90 | 91,50 |
| 2008-07-21 | B763 | D | 76,00 | 80,70 | 91,20 |
| 2008-07-21 | A319 | D | 72,70 | 76,60 | 86,50 |
| 2008-07-21 | E170 | D | 69,10 | 71,60 | 83,30 |
| 2008-07-21 | B735 | D | 68,50 | 69,90 | 80,00 |
| 2008-07-21 | B762 | D | 72,60 | 76,00 | 87,60 |
| 2008-07-21 | B763 | D | 76,20 | 80,80 | 91,00 |
| 2008-07-22 | E170 | A | 70,30 | 73,20 | 81,50 |
| 2008-07-22 | B763 | D | 77,20 | 83,50 | 91,80 |
| 2008-07-22 | B763 | D | 75,80 | 80,10 | 89,70 |
| 2008-07-22 | B762 | D | 78,00 | 83,10 | 91,20 |
| 2008-07-22 | B763 | D | 76,40 | 81,70 | 91,70 |
| 2008-07-22 | B763 | D | 75,80 | 80,30 | 89,90 |
| 2008-07-23 | MD11 | D | 80,80 | 89,30 | 97,10 |
| 2008-07-23 | B733 | D | 73,50 | 78,80 | 87,30 |
| 2008-07-23 | B762 | D | 75,00 | 80,20 | 89,90 |
| 2008-07-23 | B763 | D | 76,50 | 82,10 | 91,40 |
| 2008-07-23 | B763 | D | 75,10 | 81,60 | 90,50 |
| 2008-07-24 | A320 | D | 67,50 | 69,80 | 81,10 |
| 2008-07-24 | B735 | D | 68,40 | 70,30 | 82,60 |
| 2008-07-24 | B763 | D | 77,60 | 82,00 | 91,40 |
| 2008-07-24 | B762 | D | 77,00 | 82,00 | 90,80 |
| 2008-07-24 | B763 | D | 77,10 | 82,80 | 91,40 |
| 2008-07-24 | B762 | D | 79,30 | 83,40 | 91,80 |
| 2008-07-25 | E170 | D | 69,30 | 72,10 | 79,70 |
| 2008-07-25 | E170 | D | 74,10 | 79,40 | 88,80 |
| 2008-07-25 | B734 | D | 74,70 | 80,30 | 90,50 |
| 2008-07-25 | B752 | D | 73,90 | 78,40 | 87,90 |
| 2008-07-25 | E170 | D | 72,60 | 77,40 | 86,60 |
| 2008-07-25 | B734 | D | 78,20 | 82,60 | 91,00 |
| 2008-07-25 | B733 | D | 75,80 | 82,20 | 90,60 |
| 2008-07-25 | E170 | D | 74,30 | 79,60 | 88,40 |
| 2008-07-25 | AT72 | D | 68,60 | 70,70 | 78,60 |

|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-25 | RJ85 | D | 70,70 | 73,50 | 82,20 |
| 2008-07-25 | YK40 | D | 78,90 | 83,80 | 90,60 |
| 2008-07-25 | CRJ2 | D | 67,60 | 69,00 | 78,40 |
| 2008-07-25 | MD11 | D | 81,90 | 89,20 | 96,70 |
| 2008-07-25 | CRJ2 | D | 69,10 | 71,00 | 79,10 |
| 2008-07-25 | A320 | D | 73,80 | 77,80 | 87,00 |
| 2008-07-25 | B733 | D | 73,70 | 78,10 | 86,90 |
| 2008-07-25 | E190 | D | 73,20 | 77,30 | 86,40 |
| 2008-07-25 | A320 | D | 71,50 | 75,40 | 84,70 |
| 2008-07-25 | B735 | D | 71,30 | 75,90 | 83,90 |
| 2008-07-25 | A320 | D | 73,60 | 77,10 | 87,00 |
| 2008-07-25 | B738 | D | 74,60 | 78,60 | 88,60 |
| 2008-07-25 | A320 | D | 74,00 | 76,50 | 87,40 |
| 2008-07-25 | B737 | D | 72,20 | 77,20 | 85,40 |
| 2008-07-25 | B733 | A | 69,50 | 71,70 | 79,50 |
| 2008-07-25 | A320 | D | 71,40 | 75,40 | 83,90 |
| 2008-07-25 | B735 | D | 73,80 | 79,40 | 87,00 |
| 2008-07-25 | E170 | D | 72,50 | 76,30 | 85,80 |
| 2008-07-25 | DH8D | D | 69,90 | 73,30 | 79,90 |
| 2008-07-25 | B736 | D | 72,50 | 76,00 | 84,80 |
| 2008-07-25 | T154 | D | 78,00 | 83,90 | 93,10 |
| 2008-07-25 | B735 | D | 73,30 | 77,60 | 86,70 |
| 2008-07-25 | B733 | D | 73,30 | 77,00 | 86,40 |
| 2008-07-25 | E170 | D | 71,80 | 74,60 | 85,00 |
| 2008-07-25 | B734 | D | 73,50 | 77,80 | 86,50 |
| 2008-07-25 | E145 | D | 70,30 | 72,20 | 80,30 |
| 2008-07-25 | E170 | D | 71,40 | 77,80 | 89,00 |
| 2008-07-25 | E170 | D | 75,20 | 82,20 | 89,70 |
| 2008-07-25 | B734 | D | 72,60 | 76,30 | 85,10 |
| 2008-07-25 | B734 | D | 73,50 | 77,70 | 87,30 |
| 2008-07-25 | B733 | D | 75,80 | 80,10 | 88,60 |
| 2008-07-25 | B735 | D | 75,00 | 78,90 | 88,00 |
| 2008-07-25 | AT72 | D | 68,70 | 70,90 | 79,10 |
| 2008-07-25 | A320 | D | 71,90 | 76,00 | 86,50 |
| 2008-07-25 | B763 | D | 77,10 | 82,20 | 91,00 |
| 2008-07-25 | F100 | D | 71,30 | 75,20 | 84,90 |
| 2008-07-25 | A321 | D | 74,50 | 78,30 | 88,40 |
| 2008-07-25 | E170 | D | 72,20 | 76,80 | 86,40 |
| 2008-07-25 | B763 | D | 78,60 | 83,80 | 92,00 |
| 2008-07-25 | RJ85 | D | 68,90 | 72,20 | 80,30 |
| 2008-07-25 | E170 | D | 72,80 | 76,70 | 86,40 |
| 2008-07-25 | A320 | D | 66,90 | 68,60 | 77,30 |
| 2008-07-25 | A320 | D | 72,50 | 75,20 | 85,90 |
| 2008-07-25 | A319 | D | 68,80 | 70,70 | 82,40 |
| 2008-07-25 | MD82 | D | 78,30 | 84,80 | 93,60 |
| 2008-07-25 | E170 | D | 72,50 | 76,80 | 86,40 |
| 2008-07-25 | E170 | D | 72,80 | 76,80 | 86,00 |
| 2008-07-25 | B734 | D | 75,50 | 81,00 | 88,00 |
| 2008-07-25 | E170 | D | 71,10 | 74,60 | 84,30 |
| 2008-07-25 | B762 | D | 76,80 | 82,80 | 90,80 |
| 2008-07-25 | B738 | D | 73,80 | 79,80 | 88,50 |
| 2008-07-25 | E170 | D | 72,10 | 76,00 | 86,20 |
| 2008-07-25 | B733 | D | 75,50 | 79,70 | 88,50 |
| 2008-07-25 | E170 | D | 72,90 | 78,20 | 87,00 |
| 2008-07-25 | A320 | D | 73,60 | 78,80 | 87,40 |
| 2008-07-25 | B733 | D | 73,70 | 79,00 | 88,20 |

|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-25 | A320 | D | 69,30 | 72,10 | 80,70 |
| 2008-07-25 | RJ1H | D | 70,10 | 73,30 | 85,40 |
| 2008-07-25 | B733 | D | 73,40 | 81,40 | 89,80 |
| 2008-07-25 | A319 | D | 70,30 | 73,50 | 85,70 |
| 2008-07-25 | CRJ2 | D | 68,30 | 70,00 | 79,10 |
| 2008-07-25 | B734 | D | 74,90 | 78,90 | 88,30 |
| 2008-07-25 | E145 | D | 69,30 | 71,30 | 80,40 |
| 2008-07-25 | B733 | D | 72,40 | 77,50 | 85,40 |
| 2008-07-25 | B734 | D | 73,00 | 78,50 | 87,60 |
| 2008-07-25 | JS32 | D | 68,80 | 71,20 | 82,60 |
| 2008-07-25 | A320 | D | 70,90 | 74,50 | 85,10 |
| 2008-07-25 | E170 | D | 70,80 | 74,90 | 87,50 |
| 2008-07-25 | E145 | D | 68,30 | 71,80 | 82,30 |
| 2008-07-25 | E170 | D | 70,00 | 73,40 | 83,80 |
| 2008-07-25 | AT72 | D | 68,90 | 71,20 | 83,30 |
| 2008-07-25 | A319 | D | 67,80 | 69,50 | 79,50 |
| 2008-07-25 | A319 | D | 70,60 | 73,50 | 82,90 |
| 2008-07-25 | E170 | D | 70,10 | 74,10 | 82,90 |
| 2008-07-25 | A320 | D | 75,40 | 79,40 | 88,20 |
| 2008-07-25 | E170 | D | 71,40 | 75,80 | 85,60 |
| 2008-07-25 | B735 | D | 74,10 | 79,90 | 87,30 |
| 2008-07-25 | E170 | D | 69,70 | 73,00 | 83,70 |
| 2008-07-25 | B733 | D | 76,30 | 82,70 | 89,70 |
| 2008-07-25 | B763 | D | 77,20 | 82,80 | 91,00 |
| 2008-07-25 | RJ85 | D | 70,00 | 72,50 | 85,60 |
| 2008-07-25 | B735 | D | 73,90 | 80,00 | 88,70 |
| 2008-07-25 | E170 | D | 72,00 | 75,40 | 86,20 |
| 2008-07-25 | B735 | D | 74,10 | 78,70 | 87,30 |
| 2008-07-25 | B763 | D | 77,50 | 82,60 | 90,90 |
| 2008-07-25 | RJ85 | D | 69,10 | 70,90 | 80,60 |
| 2008-07-25 | B734 | D | 75,30 | 80,00 | 88,00 |
| 2008-07-25 | A319 | D | 70,60 | 75,50 | 85,90 |
| 2008-07-25 | E170 | D | 71,30 | 75,90 | 85,30 |
| 2008-07-25 | A320 | D | 73,10 | 77,20 | 85,40 |
| 2008-07-25 | A319 | D | 72,90 | 77,30 | 86,40 |
| 2008-07-25 | B734 | D | 74,90 | 80,00 | 88,90 |
| 2008-07-25 | T154 | A | 80,60 | 87,00 | 92,60 |
| 2008-07-25 | E170 | D | 70,90 | 73,80 | 83,20 |
| 2008-07-25 | B752 | D | 71,40 | 74,90 | 84,20 |
| 2008-07-25 | A320 | D | 74,30 | 79,60 | 87,30 |
| 2008-07-25 | E170 | D | 70,50 | 75,00 | 84,10 |
| 2008-07-25 | E170 | D | 71,00 | 74,10 | 84,20 |
| 2008-07-25 | B735 | D | 73,50 | 78,60 | 87,50 |
| 2008-07-25 | RJ85 | D | 69,90 | 74,20 | 83,30 |
| 2008-07-25 | A320 | D | 71,20 | 74,20 | 84,20 |
| 2008-07-25 | E170 | D | 70,10 | 73,40 | 83,30 |
| 2008-07-25 | B735 | D | 74,20 | 79,20 | 86,00 |
| 2008-07-25 | E145 | D | 70,10 | 76,10 | 86,70 |
| 2008-07-25 | B734 | A | 67,50 | 67,60 | 72,20 |
| 2008-07-25 | F100 | A | 74,20 | 80,50 | 91,90 |
| 2008-07-25 | E170 | A | 69,70 | 73,70 | 87,20 |
| 2008-07-25 | E170 | A | 67,40 | 68,40 | 78,90 |
| 2008-07-25 | B734 | A | 69,70 | 74,20 | 84,20 |
| 2008-07-25 | SF34 | A | 70,90 | 74,40 | 83,50 |
| 2008-07-25 | AT72 | A | 67,70 | 69,00 | 81,50 |
| 2008-07-25 | B736 | A | 71,90 | 76,20 | 84,20 |

|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-25 | B736 | A | 67,80 | 69,00 | 81,60 |
| 2008-07-25 | E170 | A | 70,90 | 75,20 | 82,10 |
| 2008-07-25 | B733 | A | 75,60 | 80,40 | 89,40 |
| 2008-07-25 | CRJ2 | A | 70,00 | 71,90 | 81,70 |
| 2008-07-25 | CRJ2 | A | 69,30 | 72,60 | 81,40 |
| 2008-07-25 | P180 | A | 74,40 | 80,80 | 90,90 |
| 2008-07-25 | E170 | D | 75,60 | 79,50 | 88,80 |
| 2008-07-25 | B752 | D | 71,50 | 75,00 | 86,90 |
| 2008-07-25 | AT72 | D | 68,90 | 70,20 | 78,90 |
| 2008-07-25 | B733 | D | 72,90 | 76,00 | 85,50 |
| 2008-07-25 | P180 | D | 71,90 | 75,30 | 84,70 |
| 2008-07-25 | B734 | D | 77,70 | 82,50 | 91,10 |
| 2008-07-25 | B737 | D | 71,20 | 74,20 | 83,50 |
| 2008-07-26 | YK40 | D | 81,10 | 87,10 | 93,70 |
| 2008-07-26 | B734 | D | 76,40 | 82,40 | 90,70 |
| 2008-07-26 | A320 | D | 73,70 | 78,00 | 86,70 |
| 2008-07-26 | B733 | D | 79,50 | 83,30 | 90,90 |
| 2008-07-26 | A320 | D | 73,40 | 77,20 | 86,80 |
| 2008-07-26 | B734 | D | 75,00 | 78,20 | 86,50 |
| 2008-07-26 | B733 | D | 75,60 | 80,30 | 88,20 |
| 2008-07-26 | B733 | D | 77,60 | 83,70 | 91,00 |
| 2008-07-26 | E170 | D | 74,40 | 78,00 | 87,40 |
| 2008-07-26 | B733 | D | 77,90 | 84,10 | 90,30 |
| 2008-07-26 | B735 | D | 72,90 | 76,90 | 85,40 |
| 2008-07-26 | E170 | D | 71,60 | 75,00 | 85,40 |
| 2008-07-26 | A320 | D | 73,70 | 77,60 | 87,70 |
| 2008-07-26 | A320 | D | 73,70 | 77,10 | 86,50 |
| 2008-07-26 | E170 | D | 72,80 | 76,50 | 86,40 |
| 2008-07-26 | E170 | D | 71,20 | 75,30 | 85,30 |
| 2008-07-26 | E170 | D | 70,70 | 74,80 | 84,70 |
| 2008-07-26 | B735 | D | 73,00 | 77,60 | 86,60 |
| 2008-07-26 | B734 | D | 76,60 | 81,40 | 90,20 |
| 2008-07-26 | E170 | D | 70,10 | 72,90 | 84,70 |
| 2008-07-26 | E170 | D | 71,50 | 74,60 | 84,10 |
| 2008-07-26 | A320 | D | 71,10 | 73,70 | 83,60 |
| 2008-07-26 | B752 | D | 73,90 | 78,70 | 86,70 |
| 2008-07-26 | B752 | D | 75,30 | 79,40 | 87,90 |
| 2008-07-26 | B735 | D | 76,30 | 80,80 | 87,80 |
| 2008-07-26 | E190 | D | 71,50 | 75,30 | 85,50 |
| 2008-07-26 | B737 | D | 70,10 | 73,20 | 84,00 |
| 2008-07-26 | F100 | D | 73,90 | 77,60 | 87,30 |
| 2008-07-26 | B733 | D | 72,70 | 77,10 | 87,70 |
| 2008-07-26 | B735 | D | 72,10 | 75,70 | 84,40 |
| 2008-07-26 | A320 | D | 72,40 | 75,90 | 85,80 |
| 2008-07-26 | B734 | D | 76,80 | 82,70 | 91,30 |
| 2008-07-26 | E170 | D | 72,10 | 76,30 | 85,90 |
| 2008-07-26 | E170 | D | 73,10 | 77,00 | 86,50 |
| 2008-07-26 | E170 | D | 73,40 | 77,90 | 86,60 |
| 2008-07-26 | B735 | D | 73,50 | 78,70 | 86,90 |
| 2008-07-26 | B735 | D | 73,00 | 77,10 | 86,40 |
| 2008-07-26 | T154 | D | 78,40 | 83,50 | 93,70 |
| 2008-07-26 | E170 | D | 73,70 | 79,90 | 88,80 |
| 2008-07-26 | B735 | D | 71,30 | 78,30 | 86,60 |
| 2008-07-26 | E145 | D | 69,50 | 72,80 | 79,90 |
| 2008-07-26 | AT72 | D | 71,20 | 74,90 | 83,20 |
| 2008-07-26 | E145 | D | 69,80 | 71,80 | 80,20 |

|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-26 | AT72 | D | 71,70 | 74,30 | 82,80 |
| 2008-07-26 | E145 | D | 69,80 | 71,90 | 79,80 |
| 2008-07-26 | B733 | D | 75,10 | 79,70 | 90,30 |
| 2008-07-26 | B734 | D | 75,00 | 80,50 | 89,10 |
| 2008-07-26 | A320 | D | 71,40 | 75,90 | 84,90 |
| 2008-07-26 | B763 | D | 77,00 | 82,20 | 91,30 |
| 2008-07-26 | A320 | D | 73,10 | 76,00 | 86,10 |
| 2008-07-26 | RJ85 | D | 70,90 | 74,30 | 82,90 |
| 2008-07-26 | YK40 | D | 79,60 | 85,50 | 93,20 |
| 2008-07-26 | B733 | D | 76,70 | 82,90 | 90,10 |
| 2008-07-26 | CL60 | D | 67,90 | 70,60 | 77,90 |
| 2008-07-26 | B733 | D | 77,90 | 83,30 | 91,10 |
| 2008-07-26 | MD82 | D | 77,00 | 83,50 | 92,60 |
| 2008-07-26 | B735 | D | 74,50 | 80,90 | 89,30 |
| 2008-07-26 | E170 | D | 72,10 | 76,60 | 85,70 |
| 2008-07-26 | A319 | D | 70,10 | 72,40 | 82,40 |
| 2008-07-26 | E170 | D | 73,20 | 77,40 | 87,30 |
| 2008-07-26 | B733 | D | 71,80 | 76,30 | 85,50 |
| 2008-07-26 | B734 | D | 74,10 | 78,60 | 87,50 |
| 2008-07-26 | B735 | D | 73,20 | 77,20 | 86,00 |
| 2008-07-26 | E170 | D | 74,00 | 79,20 | 87,10 |
| 2008-07-26 | E170 | D | 72,40 | 76,30 | 86,40 |
| 2008-07-26 | A319 | D | 72,00 | 74,80 | 85,20 |
| 2008-07-26 | B763 | D | 76,90 | 83,10 | 91,50 |
| 2008-07-26 | BE40 | D | 73,20 | 76,60 | 85,80 |
| 2008-07-26 | B734 | D | 77,50 | 82,60 | 90,70 |
| 2008-07-26 | B734 | D | 75,00 | 80,20 | 88,20 |
| 2008-07-26 | F100 | D | 73,30 | 77,20 | 85,80 |
| 2008-07-26 | B734 | D | 73,90 | 77,50 | 87,30 |
| 2008-07-26 | B735 | D | 71,70 | 74,80 | 84,90 |
| 2008-07-26 | H25B | D | 71,10 | 74,90 | 82,90 |
| 2008-07-26 | E170 | D | 70,50 | 73,60 | 84,30 |
| 2008-07-26 | B733 | D | 76,70 | 82,30 | 89,00 |
| 2008-07-26 | B735 | D | 72,40 | 77,00 | 86,80 |
| 2008-07-26 | E170 | D | 72,90 | 76,30 | 86,50 |
| 2008-07-26 | E170 | D | 72,60 | 76,20 | 85,60 |
| 2008-07-26 | E170 | D | 73,00 | 78,70 | 86,60 |
| 2008-07-26 | E170 | D | 70,60 | 75,20 | 84,10 |
| 2008-07-26 | A319 | D | 69,40 | 71,10 | 80,50 |
| 2008-07-26 | E170 | D | 71,60 | 75,90 | 85,40 |
| 2008-07-26 | B763 | D | 75,20 | 80,90 | 90,00 |
| 2008-07-26 | E170 | D | 71,10 | 73,50 | 84,50 |
| 2008-07-26 | A319 | D | 68,60 | 72,80 | 83,10 |
| 2008-07-26 | RJ85 | D | 72,10 | 74,90 | 82,90 |
| 2008-07-26 | E145 | D | 69,20 | 71,90 | 79,20 |
| 2008-07-26 | E170 | D | 70,50 | 73,60 | 83,70 |
| 2008-07-26 | B762 | D | 76,40 | 80,20 | 89,60 |
| 2008-07-26 | A320 | D | 70,50 | 72,80 | 82,30 |
| 2008-07-26 | B763 | D | 75,90 | 81,50 | 90,30 |
| 2008-07-26 | B734 | D | 75,70 | 80,30 | 88,40 |
| 2008-07-26 | E170 | D | 72,60 | 76,40 | 86,70 |
| 2008-07-26 | B734 | D | 72,60 | 76,20 | 85,60 |
| 2008-07-26 | A320 | D | 71,60 | 74,90 | 83,60 |
| 2008-07-26 | B735 | D | 75,20 | 79,90 | 87,50 |
| 2008-07-26 | A320 | D | 73,80 | 76,60 | 86,80 |
| 2008-07-26 | E170 | D | 71,40 | 76,30 | 86,00 |



|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-26 | RJ1H | D | 71,40 | 73,60 | 81,80 |
| 2008-07-26 | AT72 | D | 69,10 | 71,30 | 79,50 |
| 2008-07-26 | A319 | D | 70,10 | 72,20 | 81,60 |
| 2008-07-26 | F100 | D | 71,90 | 75,70 | 85,20 |
| 2008-07-26 | E170 | D | 72,70 | 76,00 | 86,00 |
| 2008-07-26 | B733 | D | 76,60 | 81,10 | 90,70 |
| 2008-07-26 | A319 | D | 72,00 | 75,80 | 84,30 |
| 2008-07-26 | B735 | D | 73,00 | 76,60 | 86,40 |
| 2008-07-26 | A320 | D | 71,90 | 76,80 | 85,50 |
| 2008-07-26 | B738 | D | 73,40 | 78,10 | 86,80 |
| 2008-07-27 | A320 | D | 73,60 | 77,30 | 86,80 |
| 2008-07-27 | B734 | D | 75,50 | 81,20 | 89,70 |
| 2008-07-27 | A320 | D | 73,30 | 76,40 | 86,30 |
| 2008-07-27 | B734 | D | 76,80 | 81,20 | 89,30 |
| 2008-07-27 | B733 | D | 74,90 | 78,80 | 87,70 |
| 2008-07-27 | A320 | D | 73,20 | 75,70 | 86,20 |
| 2008-07-27 | B733 | D | 76,50 | 80,80 | 90,40 |
| 2008-07-27 | B733 | D | 77,50 | 82,60 | 89,80 |
| 2008-07-27 | CL30 | D | 70,30 | 72,60 | 82,10 |
| 2008-07-27 | E170 | D | 69,50 | 71,90 | 82,00 |
| 2008-07-27 | B733 | D | 77,60 | 82,30 | 89,90 |
| 2008-07-27 | B735 | D | 75,10 | 78,80 | 88,70 |
| 2008-07-27 | E170 | D | 72,20 | 75,40 | 86,40 |
| 2008-07-27 | B733 | D | 77,70 | 82,40 | 90,00 |
| 2008-07-27 | E170 | D | 71,90 | 76,30 | 86,70 |
| 2008-07-27 | E170 | D | 71,80 | 75,00 | 85,40 |
| 2008-07-27 | B734 | D | 74,70 | 79,00 | 88,60 |
| 2008-07-27 | E170 | D | 72,70 | 76,50 | 87,00 |
| 2008-07-27 | CRJ9 | D | 72,10 | 75,90 | 84,90 |
| 2008-07-27 | B752 | D | 72,80 | 76,20 | 86,60 |
| 2008-07-27 | B734 | D | 75,30 | 81,20 | 89,40 |
| 2008-07-27 | E190 | D | 72,00 | 76,50 | 85,80 |
| 2008-07-27 | F100 | D | 72,80 | 77,40 | 87,40 |
| 2008-07-27 | A320 | D | 69,90 | 73,60 | 82,60 |
| 2008-07-27 | B734 | D | 76,90 | 82,30 | 91,20 |
| 2008-07-27 | E170 | D | 69,90 | 72,10 | 81,30 |
| 2008-07-27 | E170 | D | 73,80 | 77,60 | 87,00 |
| 2008-07-27 | E170 | D | 71,70 | 76,40 | 86,40 |
| 2008-07-27 | B735 | D | 74,50 | 78,20 | 87,00 |
| 2008-07-27 | T154 | D | 78,70 | 84,70 | 92,80 |
| 2008-07-27 | E170 | D | 72,00 | 76,40 | 86,00 |
| 2008-07-27 | B735 | D | 75,50 | 79,50 | 87,80 |
| 2008-07-27 | CRJ2 | D | 68,90 | 70,40 | 80,40 |
| 2008-07-27 | A319 | D | 72,90 | 77,30 | 85,00 |
| 2008-07-27 | B733 | D | 73,40 | 78,50 | 87,20 |
| 2008-07-27 | B734 | D | 73,80 | 77,80 | 87,40 |
| 2008-07-27 | B735 | D | 72,20 | 75,90 | 84,00 |
| 2008-07-27 | E170 | D | 71,80 | 75,80 | 85,40 |
| 2008-07-27 | B735 | D | 73,20 | 79,40 | 85,80 |
| 2008-07-27 | B763 | D | 76,90 | 84,20 | 92,10 |
| 2008-07-27 | B735 | D | 72,70 | 77,10 | 85,90 |
| 2008-07-27 | A320 | D | 71,80 | 75,90 | 84,80 |
| 2008-07-27 | A320 | D | 72,20 | 75,10 | 85,00 |
| 2008-07-27 | B733 | D | 74,10 | 79,90 | 87,50 |
| 2008-07-27 | A319 | D | 68,70 | 70,60 | 82,10 |
| 2008-07-27 | A321 | D | 72,20 | 74,50 | 84,20 |

|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-27 | E170 | D | 72,00 | 75,50 | 85,20 |
| 2008-07-27 | MD82 | D | 77,50 | 85,00 | 92,80 |
| 2008-07-27 | RJ85 | D | 69,30 | 71,20 | 81,30 |
| 2008-07-27 | B762 | D | 75,00 | 79,50 | 89,20 |
| 2008-07-27 | E170 | D | 73,20 | 77,50 | 87,70 |
| 2008-07-27 | E170 | D | 71,10 | 74,30 | 85,40 |
| 2008-07-27 | B734 | D | 76,30 | 81,80 | 89,50 |
| 2008-07-27 | E170 | D | 70,50 | 73,90 | 84,50 |
| 2008-07-27 | A320 | D | 72,20 | 76,60 | 85,20 |
| 2008-07-27 | AT45 | D | 69,00 | 70,90 | 79,00 |
| 2008-07-27 | B733 | D | 76,60 | 81,30 | 89,40 |
| 2008-07-27 | A320 | D | 72,00 | 76,40 | 85,20 |
| 2008-07-27 | B733 | D | 75,20 | 80,00 | 88,20 |
| 2008-07-27 | F100 | D | 72,00 | 76,00 | 84,60 |
| 2008-07-27 | GLEX | D | 72,20 | 75,40 | 83,90 |
| 2008-07-27 | B735 | D | 73,20 | 77,50 | 86,60 |
| 2008-07-27 | B734 | D | 74,70 | 78,90 | 88,70 |
| 2008-07-27 | E170 | D | 69,60 | 73,00 | 82,80 |
| 2008-07-27 | A319 | D | 68,20 | 70,50 | 79,60 |
| 2008-07-27 | B734 | D | 73,30 | 78,10 | 88,00 |
| 2008-07-27 | A320 | D | 71,60 | 74,40 | 86,10 |
| 2008-07-27 | B735 | D | 73,50 | 76,40 | 86,00 |
| 2008-07-27 | E170 | D | 69,10 | 72,00 | 82,70 |
| 2008-07-27 | E170 | D | 70,90 | 74,90 | 84,30 |
| 2008-07-27 | E170 | D | 71,00 | 74,00 | 84,90 |
| 2008-07-27 | E170 | D | 70,00 | 75,20 | 86,00 |
| 2008-07-27 | MD81 | D | 75,20 | 81,20 | 91,60 |
| 2008-07-27 | A319 | D | 69,70 | 72,20 | 82,50 |
| 2008-07-27 | B733 | D | 75,10 | 82,30 | 90,80 |
| 2008-07-27 | E170 | D | 69,90 | 73,50 | 84,40 |
| 2008-07-27 | E170 | D | 71,40 | 75,10 | 85,40 |
| 2008-07-27 | E170 | D | 72,20 | 76,40 | 85,40 |
| 2008-07-27 | B734 | D | 75,00 | 79,80 | 88,90 |
| 2008-07-27 | B762 | D | 75,00 | 78,90 | 88,60 |
| 2008-07-27 | B763 | D | 75,70 | 79,50 | 89,40 |
| 2008-07-27 | E170 | D | 70,50 | 72,60 | 83,30 |
| 2008-07-27 | RJ85 | D | 72,00 | 75,10 | 82,80 |
| 2008-07-27 | B735 | D | 72,00 | 76,70 | 85,00 |
| 2008-07-27 | B734 | D | 74,70 | 79,00 | 87,30 |
| 2008-07-27 | E170 | D | 70,70 | 74,30 | 84,10 |
| 2008-07-27 | B733 | D | 74,70 | 78,60 | 87,50 |
| 2008-07-27 | B733 | D | 73,00 | 76,40 | 86,80 |
| 2008-07-27 | B733 | D | 73,60 | 79,30 | 86,80 |
| 2008-07-27 | A320 | D | 71,60 | 74,90 | 84,70 |
| 2008-07-27 | AT72 | D | 70,30 | 74,10 | 81,10 |
| 2008-07-27 | RJ85 | D | 70,50 | 75,30 | 82,30 |
| 2008-07-27 | A320 | D | 71,50 | 75,30 | 84,70 |
| 2008-07-27 | E170 | D | 70,00 | 73,20 | 83,80 |
| 2008-07-27 | B735 | D | 71,10 | 74,30 | 85,30 |
| 2008-07-27 | A320 | D | 72,00 | 74,80 | 84,80 |
| 2008-07-27 | E170 | D | 67,80 | 69,90 | 79,80 |
| 2008-07-27 | B735 | D | 70,30 | 72,60 | 82,60 |
| 2008-07-27 | B733 | D | 76,40 | 80,40 | 88,50 |
| 2008-07-27 | B763 | D | 75,90 | 80,20 | 89,60 |
| 2008-07-27 | AT72 | D | 68,90 | 71,50 | 78,90 |
| 2008-07-27 | B735 | D | 73,10 | 76,60 | 85,80 |

|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-27 | E170 | D | 71,10 | 73,40 | 83,60 |
| 2008-07-27 | T154 | D | 76,30 | 81,80 | 88,60 |
| 2008-07-27 | B735 | D | 73,40 | 77,70 | 88,00 |
| 2008-07-27 | E170 | D | 68,30 | 71,10 | 80,30 |
| 2008-07-27 | F100 | D | 72,60 | 75,60 | 85,90 |
| 2008-07-27 | B734 | D | 74,20 | 78,00 | 87,20 |
| 2008-07-27 | E170 | D | 69,60 | 72,00 | 83,40 |
| 2008-07-27 | B738 | D | 72,40 | 76,50 | 86,70 |
| 2008-07-27 | E170 | D | 70,40 | 73,20 | 83,40 |
| 2008-07-27 | B752 | D | 73,00 | 76,80 | 86,90 |
| 2008-07-27 | B737 | D | 70,40 | 74,40 | 83,40 |
| 2008-07-28 | A320 | D | 73,50 | 77,10 | 87,30 |
| 2008-07-28 | A320 | D | 71,80 | 75,30 | 85,90 |
| 2008-07-28 | A320 | D | 73,00 | 75,40 | 85,80 |
| 2008-07-28 | E170 | D | 72,30 | 76,00 | 86,30 |
| 2008-07-28 | B734 | D | 76,00 | 81,10 | 89,40 |
| 2008-07-28 | B734 | D | 74,20 | 78,50 | 88,30 |
| 2008-07-28 | B735 | D | 73,60 | 77,00 | 87,70 |
| 2008-07-28 | E145 | D | 69,30 | 71,00 | 80,10 |
| 2008-07-28 | B735 | D | 74,80 | 78,90 | 88,70 |
| 2008-07-28 | B734 | D | 74,30 | 79,10 | 87,60 |
| 2008-07-28 | B733 | D | 74,20 | 79,20 | 88,30 |
| 2008-07-28 | MD83 | D | 79,60 | 87,30 | 96,30 |
| 2008-07-28 | B733 | D | 76,20 | 81,40 | 89,70 |
| 2008-07-28 | B735 | D | 72,90 | 77,00 | 86,70 |
| 2008-07-28 | B734 | D | 74,40 | 79,30 | 88,20 |
| 2008-07-28 | E170 | D | 73,60 | 77,00 | 86,10 |
| 2008-07-28 | E170 | D | 73,40 | 77,40 | 87,70 |
| 2008-07-28 | E170 | D | 71,50 | 75,20 | 86,30 |
| 2008-07-28 | E170 | D | 70,50 | 73,60 | 83,90 |
| 2008-07-28 | E170 | D | 72,30 | 75,60 | 86,60 |
| 2008-07-28 | E145 | D | 68,80 | 70,70 | 79,50 |
| 2008-07-28 | B734 | D | 75,50 | 79,40 | 89,90 |
| 2008-07-28 | E170 | D | 72,20 | 75,60 | 86,20 |
| 2008-07-28 | B734 | D | 77,10 | 83,50 | 94,90 |
| 2008-07-28 | B734 | D | 73,90 | 78,70 | 83,50 |
| 2008-07-28 | B733 | D | 76,30 | 80,50 | 88,40 |
| 2008-07-28 | AT72 | D | 68,50 | 69,20 | 78,50 |
| 2008-07-28 | B733 | D | 74,00 | 78,00 | 88,50 |
| 2008-07-28 | B735 | D | 72,70 | 77,00 | 86,90 |
| 2008-07-28 | YK40 | D | 79,20 | 85,10 | 90,70 |
| 2008-07-28 | B735 | D | 70,80 | 74,20 | 84,90 |
| 2008-07-28 | B752 | D | 75,40 | 78,40 | 89,60 |
| 2008-07-28 | AT72 | D | 67,40 | 69,70 | 77,40 |
| 2008-07-28 | RJ85 | D | 71,30 | 74,70 | 85,10 |
| 2008-07-28 | B735 | D | 73,80 | 78,70 | 88,20 |
| 2008-07-28 | B734 | D | 69,50 | 71,40 | 82,70 |
| 2008-07-28 | E190 | D | 71,10 | 74,60 | 85,70 |
| 2008-07-28 | H25B | D | 69,20 | 71,80 | 80,30 |
| 2008-07-28 | B736 | D | 68,60 | 70,60 | 79,70 |
| 2008-07-28 | F100 | D | 71,10 | 74,40 | 86,00 |
| 2008-07-28 | AT72 | D | 67,60 | 68,90 | 78,00 |
| 2008-07-28 | B737 | D | 70,90 | 74,40 | 84,40 |
| 2008-07-28 | B738 | D | 74,40 | 79,60 | 88,20 |
| 2008-07-28 | A320 | D | 72,30 | 76,30 | 84,90 |
| 2008-07-28 | A320 | D | 70,80 | 73,50 | 83,60 |

|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-28 | BE40 | D | 70,30 | 74,30 | 84,10 |
| 2008-07-28 | B734 | D | 75,50 | 81,10 | 90,10 |
| 2008-07-28 | E170 | D | 70,10 | 74,00 | 83,50 |
| 2008-07-28 | E170 | D | 81,10 | 87,60 | 94,70 |
| 2008-07-28 | E170 | D | 71,70 | 76,10 | 86,80 |
| 2008-07-28 | B737 | D | 72,00 | 75,60 | 84,80 |
| 2008-07-28 | E170 | D | 73,20 | 79,40 | 88,00 |
| 2008-07-28 | T154 | D | 77,60 | 84,10 | 93,50 |
| 2008-07-28 | B733 | D | 75,60 | 80,00 | 88,10 |
| 2008-07-28 | B752 | D | 72,00 | 75,50 | 85,90 |
| 2008-07-28 | E170 | D | 72,80 | 77,10 | 86,60 |
| 2008-07-28 | B735 | D | 71,50 | 75,80 | 86,30 |
| 2008-07-28 | B734 | D | 75,10 | 81,10 | 89,20 |
| 2008-07-28 | B733 | D | 73,00 | 79,20 | 88,00 |
| 2008-07-28 | B735 | D | 73,10 | 78,00 | 86,60 |
| 2008-07-28 | B734 | D | 72,70 | 77,50 | 86,20 |
| 2008-07-28 | AT72 | D | 71,20 | 73,40 | 81,60 |
| 2008-07-28 | B738 | D | 76,30 | 81,00 | 89,50 |
| 2008-07-28 | B762 | D | 74,90 | 80,90 | 90,80 |
| 2008-07-28 | B733 | D | 73,90 | 78,40 | 87,20 |
| 2008-07-28 | A320 | D | 72,00 | 75,80 | 85,70 |
| 2008-07-28 | B735 | D | 71,20 | 74,60 | 84,80 |
| 2008-07-28 | A320 | D | 70,90 | 74,30 | 84,30 |
| 2008-07-28 | A319 | D | 68,80 | 71,60 | 80,30 |
| 2008-07-28 | B763 | D | 77,20 | 81,20 | 91,20 |
| 2008-07-28 | AT72 | D | 69,10 | 70,30 | 79,90 |
| 2008-07-28 | E170 | D | 71,20 | 76,40 | 86,80 |
| 2008-07-28 | E170 | D | 69,70 | 73,90 | 84,30 |
| 2008-07-28 | B735 | D | 71,20 | 74,80 | 85,00 |
| 2008-07-28 | A321 | D | 73,10 | 77,00 | 87,80 |
| 2008-07-28 | GL5T | D | 69,90 | 73,80 | 81,60 |
| 2008-07-28 | B734 | D | 75,40 | 79,40 | 87,10 |
| 2008-07-28 | RJ85 | D | 68,50 | 70,60 | 79,60 |
| 2008-07-28 | MD82 | D | 75,70 | 81,90 | 90,80 |
| 2008-07-28 | B738 | D | 73,40 | 77,10 | 86,60 |
| 2008-07-28 | E170 | D | 70,50 | 74,40 | 84,50 |
| 2008-07-28 | B733 | D | 75,20 | 78,90 | 87,00 |
| 2008-07-28 | E170 | D | 71,60 | 75,70 | 86,00 |
| 2008-07-28 | B752 | D | 72,10 | 76,10 | 85,50 |
| 2008-07-28 | E170 | D | 69,30 | 71,70 | 83,50 |
| 2008-07-28 | B733 | D | 72,10 | 75,30 | 84,90 |
| 2008-07-28 | B733 | D | 73,90 | 80,80 | 87,50 |
| 2008-07-28 | A320 | D | 70,00 | 74,10 | 83,90 |
| 2008-07-28 | F100 | D | 71,60 | 77,00 | 85,60 |
| 2008-07-28 | A320 | D | 69,10 | 71,50 | 81,40 |
| 2008-07-28 | B733 | D | 74,70 | 79,50 | 86,80 |
| 2008-07-28 | B734 | D | 74,50 | 78,40 | 88,40 |
| 2008-07-28 | B734 | D | 75,10 | 80,40 | 88,90 |
| 2008-07-28 | B752 | D | 70,20 | 73,10 | 84,20 |
| 2008-07-28 | P180 | D | 72,00 | 75,50 | 84,00 |
| 2008-07-28 | E170 | D | 72,70 | 75,30 | 84,70 |
| 2008-07-28 | AT72 | D | 68,70 | 71,00 | 78,70 |
| 2008-07-28 | A319 | D | 69,70 | 71,20 | 82,50 |
| 2008-07-28 | E170 | D | 68,50 | 71,60 | 82,50 |
| 2008-07-28 | A320 | D | 71,70 | 75,70 | 85,50 |
| 2008-07-28 | E170 | D | 70,70 | 74,50 | 86,00 |

|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-28 | B763 | D | 75,90 | 81,30 | 90,50 |
| 2008-07-28 | B734 | D | 74,60 | 80,10 | 89,20 |
| 2008-07-28 | E170 | D | 71,70 | 76,50 | 86,00 |
| 2008-07-28 | MD87 | D | 76,10 | 82,60 | 91,20 |
| 2008-07-28 | AT72 | D | 69,40 | 71,80 | 80,50 |
| 2008-07-28 | E170 | D | 71,60 | 76,00 | 86,10 |
| 2008-07-28 | B733 | D | 75,80 | 80,80 | 89,90 |
| 2008-07-28 | A319 | D | 68,40 | 69,70 | 80,20 |
| 2008-07-28 | B735 | D | 71,30 | 74,30 | 84,10 |
| 2008-07-28 | B735 | D | 72,30 | 76,50 | 85,70 |
| 2008-07-28 | AT45 | D | 68,40 | 70,70 | 80,50 |
| 2008-07-28 | E170 | D | 70,30 | 74,00 | 83,90 |
| 2008-07-28 | E170 | D | 69,60 | 73,90 | 84,20 |
| 2008-07-28 | E170 | D | 70,50 | 73,50 | 84,10 |
| 2008-07-28 | E170 | D | 70,40 | 72,80 | 83,20 |
| 2008-07-28 | B763 | D | 73,30 | 78,20 | 87,90 |
| 2008-07-28 | A320 | D | 70,40 | 73,60 | 84,00 |
| 2008-07-28 | B733 | D | 71,80 | 76,60 | 85,40 |
| 2008-07-28 | B734 | D | 76,10 | 80,70 | 88,40 |
| 2008-07-28 | B735 | D | 72,70 | 76,90 | 85,70 |
| 2008-07-28 | RJ85 | D | 68,50 | 71,00 | 80,30 |
| 2008-07-28 | B762 | D | 75,80 | 80,30 | 89,20 |
| 2008-07-28 | B733 | D | 72,10 | 76,10 | 84,90 |
| 2008-07-28 | E170 | D | 70,20 | 73,70 | 84,50 |
| 2008-07-28 | E170 | D | 69,70 | 72,30 | 83,30 |
| 2008-07-28 | E170 | D | 72,40 | 76,30 | 86,50 |
| 2008-07-28 | A320 | D | 71,60 | 74,60 | 84,60 |
| 2008-07-28 | B752 | D | 71,60 | 73,80 | 84,20 |
| 2008-07-28 | B734 | D | 74,30 | 78,70 | 88,60 |
| 2008-07-28 | RJ1H | D | 67,40 | 68,80 | 78,90 |
| 2008-07-28 | A320 | D | 71,50 | 73,70 | 84,30 |
| 2008-07-28 | B735 | D | 71,20 | 74,70 | 84,60 |
| 2008-07-28 | P180 | D | 70,30 | 73,60 | 83,30 |
| 2008-07-28 | E170 | D | 70,40 | 73,00 | 84,00 |
| 2008-07-28 | T154 | D | 76,40 | 81,70 | 88,70 |
| 2008-07-28 | AN26 | D | 76,40 | 80,90 | 89,40 |
| 2008-07-28 | A319 | D | 70,90 | 73,80 | 83,70 |
| 2008-07-28 | B735 | D | 72,10 | 75,60 | 86,20 |
| 2008-07-28 | AT72 | D | 69,00 | 71,80 | 80,20 |
| 2008-07-28 | B735 | D | 71,60 | 75,10 | 83,90 |
| 2008-07-28 | F100 | D | 71,40 | 74,60 | 84,60 |
| 2008-07-28 | P180 | D | 69,00 | 71,40 | 80,80 |
| 2008-07-28 | B733 | D | 76,20 | 80,30 | 88,30 |
| 2008-07-28 | E170 | D | 70,60 | 74,60 | 83,90 |
| 2008-07-28 | B735 | D | 71,30 | 74,00 | 84,30 |
| 2008-07-28 | AT72 | D | 68,70 | 72,60 | 80,20 |
| 2008-07-28 | B735 | D | 71,00 | 73,50 | 83,60 |
| 2008-07-28 | B752 | D | 69,90 | 72,30 | 84,20 |
| 2008-07-28 | A321 | D | 71,80 | 75,80 | 85,90 |
| 2008-07-28 | T154 | D | 82,00 | 88,10 | 94,30 |
| 2008-07-28 | B738 | D | 72,30 | 75,90 | 86,30 |
| 2008-07-28 | E170 | D | 71,00 | 74,20 | 84,00 |
| 2008-07-29 | A320 | D | 73,10 | 75,80 | 86,10 |
| 2008-07-29 | A320 | D | 73,20 | 76,80 | 86,20 |
| 2008-07-29 | E170 | D | 72,20 | 75,60 | 85,20 |
| 2008-07-29 | B734 | D | 75,40 | 80,30 | 89,60 |

|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-29 | B733 | D | 74,80 | 79,90 | 89,00 |
| 2008-07-29 | E170 | D | 69,10 | 71,40 | 83,70 |
| 2008-07-29 | B733 | D | 72,20 | 75,80 | 86,20 |
| 2008-07-29 | AT72 | D | 68,40 | 70,40 | 80,70 |
| 2008-07-29 | B735 | D | 73,70 | 77,90 | 87,70 |
| 2008-07-29 | B734 | D | 74,60 | 79,40 | 88,90 |
| 2008-07-29 | E170 | D | 69,60 | 71,30 | 83,60 |
| 2008-07-29 | B733 | D | 78,40 | 83,30 | 91,60 |
| 2008-07-29 | A320 | D | 72,60 | 76,80 | 86,40 |
| 2008-07-29 | E145 | D | 69,60 | 71,60 | 79,60 |
| 2008-07-29 | B733 | D | 76,10 | 81,70 | 89,30 |
| 2008-07-29 | E170 | D | 72,20 | 76,10 | 86,20 |
| 2008-07-29 | B734 | D | 74,90 | 80,30 | 88,30 |
| 2008-07-29 | B738 | D | 69,60 | 71,10 | 81,70 |
| 2008-07-29 | B733 | D | 76,70 | 80,90 | 89,50 |
| 2008-07-29 | E170 | D | 73,20 | 77,00 | 88,80 |
| 2008-07-29 | B733 | D | 76,10 | 81,10 | 89,10 |
| 2008-07-29 | E170 | D | 71,00 | 73,50 | 84,80 |
| 2008-07-29 | B735 | D | 72,70 | 76,10 | 86,30 |
| 2008-07-29 | E170 | D | 70,80 | 73,80 | 85,40 |
| 2008-07-29 | B752 | D | 72,90 | 76,70 | 85,40 |
| 2008-07-29 | E170 | D | 70,90 | 73,40 | 84,90 |
| 2008-07-29 | B734 | D | 75,60 | 80,50 | 89,80 |
| 2008-07-29 | E170 | D | 72,50 | 75,60 | 85,70 |
| 2008-07-29 | E170 | D | 70,70 | 73,60 | 84,50 |
| 2008-07-29 | A320 | D | 72,10 | 76,40 | 85,30 |
| 2008-07-29 | E170 | D | 70,30 | 73,40 | 85,10 |
| 2008-07-29 | B734 | D | 74,40 | 78,60 | 86,20 |
| 2008-07-29 | CRJ9 | D | 70,50 | 73,60 | 83,80 |
| 2008-07-29 | MD11 | D | 76,30 | 83,00 | 91,60 |
| 2008-07-29 | E190 | D | 71,10 | 74,60 | 84,30 |
| 2008-07-29 | AT72 | D | 69,90 | 71,90 | 79,90 |
| 2008-07-29 | A320 | D | 72,10 | 75,60 | 85,10 |
| 2008-07-29 | A319 | D | 68,60 | 69,80 | 80,60 |
| 2008-07-29 | A320 | D | 72,40 | 75,60 | 85,80 |
| 2008-07-29 | B737 | D | 71,20 | 74,80 | 83,50 |
| 2008-07-29 | A320 | D | 71,40 | 74,80 | 85,50 |
| 2008-07-29 | B735 | D | 74,70 | 79,70 | 88,30 |
| 2008-07-29 | B738 | D | 72,90 | 77,90 | 88,00 |
| 2008-07-29 | A319 | D | 71,40 | 74,70 | 85,10 |
| 2008-07-29 | E170 | D | 72,20 | 77,20 | 87,10 |
| 2008-07-29 | E170 | D | 71,30 | 75,30 | 85,80 |
| 2008-07-29 | B752 | D | 74,60 | 79,00 | 88,60 |
| 2008-07-29 | E170 | D | 70,20 | 74,20 | 85,00 |
| 2008-07-29 | B737 | D | 70,90 | 73,00 | 83,50 |
| 2008-07-29 | T154 | D | 77,60 | 83,00 | 92,20 |
| 2008-07-29 | E170 | D | 72,40 | 76,50 | 86,00 |
| 2008-07-29 | B735 | D | 72,80 | 79,30 | 86,60 |
| 2008-07-29 | B738 | D | 73,80 | 78,40 | 88,00 |
| 2008-07-29 | B738 | D | 74,90 | 78,90 | 88,10 |
| 2008-07-29 | B735 | D | 73,40 | 78,10 | 87,90 |
| 2008-07-29 | E145 | D | 70,20 | 72,50 | 81,00 |
| 2008-07-29 | E170 | D | 72,80 | 76,80 | 86,60 |
| 2008-07-29 | B735 | D | 72,10 | 76,60 | 85,70 |
| 2008-07-29 | F100 | D | 70,40 | 74,60 | 84,90 |
| 2008-07-29 | E170 | D | 73,70 | 80,10 | 87,80 |

|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-29 | B738 | D | 77,30 | 83,40 | 91,30 |
| 2008-07-29 | F16  | D | 77,00 | 83,50 | 93,90 |
| 2008-07-29 | B738 | D | 76,10 | 81,10 | 88,40 |
| 2008-07-29 | MD83 | D | 78,70 | 84,50 | 94,80 |
| 2008-07-29 | B733 | D | 75,90 | 80,00 | 88,40 |
| 2008-07-29 | RJ1H | D | 71,20 | 73,80 | 83,20 |
| 2008-07-29 | A319 | D | 68,50 | 71,30 | 79,70 |
| 2008-07-29 | A320 | D | 71,20 | 74,00 | 84,40 |
| 2008-07-29 | B763 | D | 76,10 | 80,60 | 90,10 |
| 2008-07-29 | A320 | D | 71,50 | 74,90 | 84,30 |
| 2008-07-29 | E170 | D | 70,60 | 73,50 | 84,90 |
| 2008-07-29 | MD82 | D | 77,50 | 83,40 | 93,80 |
| 2008-07-29 | B735 | D | 72,80 | 78,30 | 86,60 |
| 2008-07-29 | AT72 | D | 68,90 | 70,20 | 78,90 |
| 2008-07-29 | B734 | D | 74,30 | 80,70 | 89,30 |
| 2008-07-29 | E170 | D | 70,80 | 75,90 | 85,30 |
| 2008-07-29 | B734 | D | 75,90 | 80,50 | 89,50 |
| 2008-07-29 | A320 | D | 71,60 | 74,40 | 83,90 |
| 2008-07-29 | F900 | D | 73,30 | 77,50 | 85,30 |
| 2008-07-29 | B734 | D | 72,10 | 76,40 | 85,30 |
| 2008-07-29 | B733 | D | 75,30 | 79,70 | 87,80 |
| 2008-07-29 | E170 | D | 70,50 | 72,70 | 83,70 |
| 2008-07-29 | E170 | D | 69,60 | 72,60 | 83,20 |
| 2008-07-29 | E170 | D | 71,70 | 74,60 | 84,00 |
| 2008-07-29 | B733 | D | 73,90 | 78,00 | 87,70 |
| 2008-07-29 | B763 | D | 77,20 | 81,60 | 90,40 |
| 2008-07-29 | B733 | D | 73,00 | 77,20 | 86,80 |
| 2008-07-29 | E170 | D | 72,90 | 76,80 | 85,90 |
| 2008-07-29 | B733 | D | 74,50 | 78,10 | 88,10 |
| 2008-07-29 | F100 | D | 73,40 | 76,00 | 86,90 |
| 2008-07-29 | B763 | D | 77,20 | 81,00 | 90,20 |
| 2008-07-29 | B733 | D | 74,50 | 79,40 | 87,90 |
| 2008-07-29 | B735 | D | 73,00 | 77,50 | 86,00 |
| 2008-07-29 | B734 | D | 74,80 | 79,60 | 87,80 |
| 2008-07-29 | B734 | D | 74,70 | 78,30 | 88,60 |
| 2008-07-29 | F2TH | D | 69,40 | 73,10 | 81,20 |
| 2008-07-29 | E170 | D | 70,40 | 73,10 | 83,60 |
| 2008-07-29 | E145 | D | 68,80 | 71,60 | 80,30 |
| 2008-07-29 | A319 | D | 71,30 | 74,50 | 84,30 |
| 2008-07-29 | B734 | D | 74,90 | 79,40 | 89,40 |
| 2008-07-29 | MD82 | D | 74,60 | 77,90 | 88,60 |
| 2008-07-29 | E170 | D | 71,00 | 74,00 | 84,50 |
| 2008-07-29 | B735 | D | 72,40 | 75,90 | 86,40 |
| 2008-07-29 | E170 | D | 71,50 | 75,70 | 85,90 |
| 2008-07-29 | B734 | D | 75,60 | 80,40 | 89,60 |
| 2008-07-29 | B735 | D | 71,90 | 75,00 | 85,90 |
| 2008-07-29 | B734 | D | 73,90 | 79,60 | 87,50 |
| 2008-07-29 | E170 | D | 68,60 | 72,30 | 82,00 |
| 2008-07-29 | B738 | D | 75,30 | 79,00 | 88,10 |
| 2008-07-29 | E170 | D | 73,70 | 78,60 | 86,90 |
| 2008-07-29 | E170 | D | 71,80 | 76,20 | 85,90 |
| 2008-07-29 | E170 | D | 69,80 | 74,70 | 82,80 |
| 2008-07-29 | B733 | D | 75,90 | 80,40 | 88,90 |
| 2008-07-29 | RJ85 | D | 69,40 | 71,30 | 80,50 |
| 2008-07-29 | AT72 | D | 70,80 | 74,00 | 81,90 |
| 2008-07-29 | E170 | D | 72,40 | 75,40 | 86,20 |

|            |      |   |       |       |       |
|------------|------|---|-------|-------|-------|
| 2008-07-29 | A320 | D | 70,70 | 74,20 | 83,90 |
| 2008-07-29 | E170 | D | 71,00 | 74,00 | 84,80 |
| 2008-07-29 | B734 | D | 74,00 | 78,20 | 87,00 |
| 2008-07-29 | B763 | D | 76,00 | 79,60 | 89,20 |
| 2008-07-29 | B734 | D | 72,40 | 75,80 | 85,20 |
| 2008-07-29 | E170 | D | 70,20 | 72,40 | 83,00 |
| 2008-07-29 | B762 | D | 74,20 | 77,30 | 87,00 |
| 2008-07-29 | B734 | D | 73,00 | 77,80 | 86,60 |
| 2008-07-29 | E170 | D | 70,30 | 73,70 | 84,60 |
| 2008-07-29 | A320 | D | 71,60 | 74,90 | 85,70 |
| 2008-07-29 | MD11 | A | 70,80 | 72,60 | 81,20 |
| 2008-07-29 | AT72 | D | 68,00 | 69,60 | 78,00 |
| 2008-07-29 | B735 | D | 70,40 | 72,70 | 82,10 |
| 2008-07-29 | P180 | D | 72,60 | 77,10 | 86,00 |
| 2008-07-29 | E145 | D | 68,20 | 70,60 | 80,00 |
| 2008-07-29 | T154 | D | 79,80 | 85,30 | 92,10 |
| 2008-07-29 | E170 | D | 70,50 | 73,80 | 84,50 |
| 2008-07-29 | A320 | D | 71,90 | 75,30 | 85,10 |
| 2008-07-29 | F100 | D | 71,20 | 74,40 | 85,20 |
| 2008-07-29 | F70  | D | 68,60 | 70,50 | 79,70 |
| 2008-07-29 | B735 | D | 70,90 | 72,40 | 82,30 |
| 2008-07-29 | B733 | D | 76,90 | 82,20 | 89,20 |
| 2008-07-29 | B733 | D | 72,00 | 76,00 | 83,80 |
| 2008-07-29 | B734 | D | 77,20 | 82,80 | 90,40 |
| 2008-07-29 | E170 | D | 71,80 | 74,70 | 85,00 |
| 2008-07-29 | B735 | D | 73,30 | 77,10 | 86,60 |
| 2008-07-29 | B735 | D | 73,80 | 78,20 | 87,60 |
| 2008-07-29 | E170 | D | 71,40 | 73,90 | 84,00 |
| 2008-07-29 | B752 | D | 68,00 | 70,70 | 81,80 |
| 2008-07-29 | B738 | D | 72,90 | 77,60 | 86,50 |
| 2008-07-29 | MD11 | D | 79,60 | 84,50 | 94,10 |
| 2008-07-29 | E170 | D | 71,20 | 74,70 | 84,00 |
| 2008-07-29 | B737 | D | 72,10 | 76,00 | 84,50 |
| 2008-07-29 | B752 | D | 70,00 | 74,10 | 83,40 |
| 2008-07-30 | B752 | D | 71,40 | 74,20 | 86,30 |
| 2008-07-30 | AT72 | D | 77,30 | 83,60 | 91,40 |
| 2008-07-30 | SF34 | D | 76,30 | 80,00 | 88,80 |
| 2008-07-30 | E170 | D | 71,20 | 74,20 | 86,00 |
| 2008-07-30 | T154 | D | 73,40 | 77,40 | 87,00 |
| 2008-07-30 | B733 | D | 77,70 | 83,10 | 91,50 |
| 2008-07-30 | RJ85 | D | 74,10 | 80,80 | 89,70 |
| 2008-07-30 | B733 | D | 73,30 | 77,30 | 87,60 |
| 2008-07-30 | E170 | D | 71,10 | 74,30 | 85,70 |
| 2008-07-30 | AT72 | D | 75,10 | 80,00 | 88,70 |
| 2008-07-30 | E170 | D | 75,00 | 78,40 | 88,50 |
| 2008-07-30 | E170 | D | 72,90 | 78,80 | 89,20 |
| 2008-07-30 | B734 | D | 70,60 | 73,70 | 81,00 |
| 2008-07-30 | A319 | D | 76,90 | 81,20 | 89,90 |
| 2008-07-30 | B735 | D | 71,80 | 74,80 | 83,30 |
| 2008-07-30 | AT72 | D | 72,90 | 77,60 | 86,50 |
| 2008-07-31 | B735 | D | 67,50 | 68,70 | 77,90 |
| 2008-07-31 | B733 | D | 77,00 | 82,10 | 89,80 |
| 2008-07-31 | B733 | D | 72,90 | 76,40 | 87,20 |
| 2008-07-31 | B733 | D | 72,70 | 76,10 | 87,00 |
| 2008-07-31 | A320 | D | 73,60 | 77,50 | 87,30 |
| 2008-07-31 | E170 | D | 70,20 | 73,10 | 81,00 |



|            |      |   |       |                            |       |
|------------|------|---|-------|----------------------------|-------|
| 2008-07-31 | B736 | D | 71,50 | 75,70                      | 84,90 |
| 2008-07-31 | MD11 | D | 78,40 | 84,70                      | 92,40 |
| 2008-07-31 | F100 | D | 71,80 | 74,60                      | 84,80 |
| 2008-07-31 | B734 | D | 73,90 | 76,90                      | 86,60 |
| 2008-07-31 | E170 | D | 72,80 | 76,00                      | 85,40 |
| 2008-07-31 | T154 | D | 74,40 | 78,50                      | 87,40 |
| 2008-07-31 | B734 | D | 77,30 | 82,60                      | 91,00 |
| 2008-07-31 | B738 | D | 71,80 | 75,90                      | 83,90 |
| 2008-07-31 | A321 | D | 73,80 | 78,40                      | 87,20 |
| 2008-07-31 | E170 | D | 70,80 | 74,80                      | 84,20 |
| 2008-07-31 | AT45 | D | 70,90 | 73,80                      | 85,20 |
| 2008-07-31 | MD82 | D | 71,70 | 74,10                      | 84,20 |
| 2008-07-31 | CRJ2 | D | 75,80 | 81,70                      | 90,20 |
| 2008-07-31 | E170 | D | 69,70 | 73,90                      | 81,20 |
| 2008-07-31 | AT72 | D | 71,40 | 73,50                      | 83,70 |
| 2008-07-31 | B735 | D | 77,50 | 83,20                      | 92,30 |
| 2008-07-31 | A320 | D | 69,90 | 71,80                      | 81,10 |
| 2008-07-31 | E170 | D | 73,00 | 76,10                      | 87,00 |
| 2008-07-31 | AT72 | D | 69,50 | 71,30                      | 81,80 |
| 2008-07-31 | A319 | D | 73,60 | 77,20                      | 86,80 |
| 2008-07-31 | F70  | D | 71,60 | 74,80                      | 85,40 |
| 2008-07-31 | MD11 | D | 71,80 | 74,80                      | 85,00 |
|            |      |   |       | Średnia<br>L <sub>AE</sub> | 87,94 |
|            |      |   |       | Odchylenie<br>stand. σ     | 4,0   |
|            |      |   |       | Przedział<br>ufności Δ     | 0,27  |

Poziom równoważny dla pory dnia określony dla 6 najmniej korzystnych ( pod względem liczby zdarzeń akustycznych ) miesięcy w roku 2007 ( maj – październik):

L<sub>Aeq, LT</sub> = 52,35 dB.

#### Pora nocna

| Data       | samolot | operacja* | L <sub>Aeq</sub> | L <sub>Amax</sub> | L <sub>AE</sub> |
|------------|---------|-----------|------------------|-------------------|-----------------|
| 2008-07-10 | MD11    | D         | 79,50            | 85,70             | 95,20           |
| 2008-07-16 | E170    | D         | 73,10            | 75,30             | 84,90           |
| 2008-07-18 | B733    | D         | 76,70            | 81,40             | 90,30           |
| 2008-07-24 | SF34    | D         | 71,60            | 75,10             | 80,00           |
| 2008-07-25 | B752    | D         | 68,50            | 69,60             | 79,90           |
| 2008-07-25 | B734    | D         | 78,10            | 82,90             | 91,70           |
| 2008-07-25 | B738    | D         | 72,60            | 75,90             | 85,40           |
| 2008-07-25 | B735    | D         | 74,10            | 78,20             | 87,10           |
| 2008-07-25 | E170    | D         | 72,50            | 76,00             | 86,40           |
| 2008-07-25 | B735    | D         | 74,20            | 79,30             | 87,20           |
| 2008-07-25 | B734    | D         | 74,10            | 77,80             | 86,90           |
| 2008-07-25 | E170    | D         | 72,50            | 75,60             | 85,50           |
| 2008-07-25 | B733    | D         | 76,30            | 80,20             | 90,10           |
| 2008-07-26 | B733    | D         | 73,90            | 79,50             | 88,10           |
| 2008-07-26 | E170    | D         | 75,00            | 79,40             | 88,10           |
| 2008-07-26 | E170    | D         | 72,20            | 76,20             | 85,90           |
| 2008-07-26 | E170    | D         | 71,40            | 74,20             | 84,70           |
| 2008-07-26 | B735    | D         | 73,50            | 78,20             | 86,30           |

|            |      |   |       |                               |       |
|------------|------|---|-------|-------------------------------|-------|
| 2008-07-26 | B734 | D | 80,90 | 86,30                         | 93,20 |
| 2008-07-26 | B734 | D | 77,50 | 81,90                         | 90,70 |
| 2008-07-27 | B752 | D | 71,40 | 73,50                         | 85,10 |
| 2008-07-27 | B735 | D | 74,00 | 77,70                         | 86,60 |
| 2008-07-27 | B734 | D | 74,00 | 79,30                         | 88,00 |
| 2008-07-27 | B752 | D | 74,90 | 78,40                         | 89,00 |
| 2008-07-27 | E170 | D | 72,10 | 75,40                         | 85,50 |
| 2008-07-27 | B735 | D | 72,20 | 75,30                         | 84,70 |
| 2008-07-27 | B734 | D | 74,80 | 79,30                         | 87,80 |
| 2008-07-27 | E170 | D | 71,80 | 75,70                         | 85,40 |
| 2008-07-27 | E170 | D | 70,60 | 73,60                         | 83,20 |
| 2008-07-28 | B738 | D | 73,50 | 78,30                         | 87,60 |
| 2008-07-28 | B737 | D | 72,00 | 75,40                         | 84,30 |
| 2008-07-28 | E170 | D | 70,30 | 72,80                         | 83,90 |
| 2008-07-28 | E170 | D | 71,60 | 75,00                         | 85,00 |
| 2008-07-28 | B734 | D | 75,90 | 80,10                         | 89,10 |
| 2008-07-28 | E170 | D | 70,80 | 74,60                         | 85,10 |
| 2008-07-28 | B734 | D | 72,10 | 76,20                         | 85,70 |
| 2008-07-28 | E170 | D | 73,00 | 76,30                         | 84,50 |
| 2008-07-28 | B733 | D | 74,10 | 78,80                         | 88,30 |
| 2008-07-29 | B738 | D | 77,10 | 81,20                         | 89,10 |
| 2008-07-29 | A320 | D | 74,30 | 78,10                         | 87,70 |
| 2008-07-29 | E170 | D | 72,90 | 75,50                         | 85,40 |
| 2008-07-29 | A320 | D | 72,70 | 76,80                         | 86,10 |
| 2008-07-29 | B734 | D | 74,10 | 79,20                         | 88,20 |
| 2008-07-29 | B735 | D | 74,60 | 78,90                         | 86,90 |
| 2008-07-29 | E170 | D | 73,20 | 77,70                         | 86,50 |
| 2008-07-29 | E170 | D | 72,50 | 75,70                         | 85,20 |
| 2008-07-29 | B735 | D | 73,40 | 77,10                         | 86,40 |
| 2008-07-29 | A321 | D | 74,00 | 77,70                         | 86,30 |
| 2008-07-29 | B733 | D | 75,20 | 81,00                         | 88,70 |
| 2008-07-29 | B738 | D | 77,80 | 81,80                         | 90,10 |
| 2008-07-29 | AN26 | D | 80,00 | 84,80                         | 92,70 |
| 2008-07-30 | E145 | D | 72,70 | 76,40                         | 86,50 |
|            |      |   |       | Średnia<br>L <sub>AE</sub>    | 87,98 |
|            |      |   |       | Odchylenie<br>stand. $\sigma$ | 3,02  |
|            |      |   |       | Przedział<br>ufności $\Delta$ | 0,82  |

Poziom równoważny dla pory nocy określony dla 6 najmniej korzystnych ( pod względem liczby zdarzeń akustycznych ) miesięcy w roku 2007 ( maj – październik):

L<sub>Aeq, LT</sub> = 44,35 dB.