

4.2.2 Der Gesamtfluglärm Mönchengladbach plus Düsseldorf in der Prognose

Die Matrix der Leq-Werte unter dem prognostizierten Gesamtfluglärm wurde schon in Kap.

3.1.3 (Tabelle 4) ermittelt und ist dort einzusehen.

4.2.3 Die Erhöhungen der Prognosewerte MGL durch den Düsseldorfer Flugbetrieb

Um die Auswirkungen des gesamten Prognoseflugbetriebes im Vergleich zum Flugbetrieb MGL2015 zu erkennen, wurden für alle ermittelten Punkte der Großmatrix die Differenzen von Prognosepegel Gesamtbetrieb minus Prognose-Pegel des MGL2015-Betriebes gebildet (Tabelle 4 minus Tabelle 7) und in nachfolgender Matrix ausgegeben.

Tabelle 8: Die Erhöhungen der Prognosewerte MGL durch den Düsseldorfer Flugbetrieb

ERGEBNISSE : DIFFERENZEN IN DEN AEQUIVALENTEN DAUERSCHALLPEGELN LEQ(4)

BEZUGSSYSTEM: X-ACHSE IN OST-WEST, Y-ACHSE IN NORD-SUED UM FLUGHAFEN-BEZUGSPUNKT

X-Y-KOORD.	-12000	-11000	-10000	-9000	-8000	-7000	-6000	-5000	-4000	-3000	-2000	-1000	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000	16000		
14000 *	0.0	0.0	0.0	0.0	0.0	0.0	13.7	27.9	46.8	48.6	48.0	45.0	41.2	37.3	31.2	22.1	15.5	9.4	0.0	0.0	16.1	28.9	37.4	42.8	47.7	49.9	46.8	41.7	36.1		
13000 *	0.0	0.0	0.0	0.0	0.0	2.1	15.1	28.9	44.7	47.6	48.9	47.6	44.5	40.8	36.6	30.7	23.0	15.6	9.4	4.0	18.3	30.1	38.0	43.3	48.1	49.7	46.4	41.3	35.5		
12000 *	0.0	0.0	0.0	0.0	0.0	0.4	12.0	28.7	41.5	45.3	48.0	48.9	47.3	44.1	40.5	36.2	30.1	24.5	20.5	14.8	20.5	31.4	38.7	44.0	48.6	49.7	46.1	40.9	34.9		
11000 *	0.0	0.0	0.0	0.0	0.0	1.6	8.5	29.9	37.9	42.3	45.5	48.2	48.8	47.0	43.8	40.3	36.0	30.2	26.4	24.1	25.0	32.8	39.4	44.7	49.2	49.8	45.9	40.7	34.5		
10000 *	0.0	0.0	0.0	0.0	0.0	0.1	1.5	24.3	23.7	9.3	21.7	44.7	48.3	48.5	46.4	43.5	40.3	36.3	31.7	28.7	28.8	34.7	40.3	45.5	49.8	49.9	45.7	40.4	34.0		
9000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3	7.4	4.9	19.7	42.7	46.3	48.4	48.0	45.6	42.9	40.3	37.0	33.7	32.7	36.4	41.3	46.4	50.4	50.0	45.6	40.1	36.4		
8000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.7	14.5	38.3	43.4	46.8	26.6	26.2	41.4	41.9	39.8	37.8	36.7	38.6	42.6	47.5	51.1	50.3	46.0	42.5	45.6		
7000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	6.5	32.3	39.8	25.0	20.8	25.2	42.2	43.7	40.8	38.8	38.5	40.8	44.3	48.8	52.0	50.9	48.7	50.3	53.3		
6000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	21.2	31.1	15.1	16.0	23.3	42.5	46.1	42.7	39.7	37.8	39.9	44.7	49.6	53.2	53.3	52.4	57.9	64.3		
5000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	23.4	9.7	16.0	20.6	41.4	47.9	45.4	41.8	38.7	38.5	43.0	49.0	54.3	57.2	58.9	63.9	69.8		
4000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	5.6	17.5	17.6	38.4	48.1	47.5	44.6	41.5	41.1	45.7	50.1	54.7	59.1	63.7	64.7	61.9		
3000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.1	19.3	14.6	34.2	46.7	48.3	47.2	45.9	46.6	49.4	53.4	57.9	61.7	61.6	58.2	54.7		
2000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	14.3	11.6	28.1	44.0	47.3	49.2	50.1	51.4	54.1	57.9	60.2	59.2	55.6	52.2	47.8			
1000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.2	21.1	41.0	45.1	49.0	52.1	54.9	57.9	58.7	57.1	53.6	50.1	46.1	37.4			
0 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.5	31.5	42.9	48.6	52.5	55.9	56.8	54.9	51.9	48.6	45.0	35.7	25.6			
-1000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	9.0	23.6	49.3	52.4	54.7	54.4	50.7	47.1	43.9	35.2	24.7	0.0			
-2000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.2	14.9	24.4	43.6	53.5	53.1	49.3	44.4	39.7	27.7	0.0	0.0			
-3000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	1.9	5.5	14.6	24.6	36.3	52.6	49.0	44.0	37.5	25.1	1.9	0.0		
-4000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.3	4.1	2.6	1.1	0.4	1.1	4.1	17.9	27.9	33.1	39.3	44.4	38.3	26.4	6.4	0.0	
-5000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	1.5	6.4	15.3	27.8	29.0	31.4	38.8	27.4	7.3	0.0	0.0	0.0	0.0		
-6000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6	31.1	13.1	7.9	13.9	6.3	0.9	0.1	0.6	1.3	3.0	9.0	15.3	24.2	23.7	23.4	20.2	14.4	12.5	
-7000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	5.7	24.8	22.8	14.7	6.9	7.2	1.2	0.0	0.2	1.3	2.9	3.6	5.3	9.9	12.5	17.7	14.9	9.4	10.7	10.9
-8000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	9.9	13.1	12.9	9.4	3.0	0.6	0.0	0.0	0.1	1.7	7.2	6.3	7.2	7.4	8.5	8.6	11.3	10.5	11.2	11.2		
-9000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.4	5.8	5.8	3.9	1.2	0.3	0.0	0.0	0.0	0.0	1.1	5.6	10.0	9.9	9.7	8.1	7.4	7.7	10.0	10.6	10.7		
-10000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.6	1.9	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.8	6.2	9.3	10.4	10.1	8.6	8.1	9.2	10.8	11.3		
-11000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	3.6	6.2	8.7	10.6	10.1	9.6	9.6	10.4	11.3		
-12000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.9	4.7	7.2	9.2	10.8	10.4	9.6	9.0	9.8			
-13000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	3.3	6.7	9.3	10.9	11.8	10.2	8.7	8.2			
-14000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.7	5.0	9.0	11.6	13.0	12.3	10.8	8.5				