

**MTO 30.1 Examples: Duguay, Response to Trevor de Clercq**

(Note: audio, video, and other interactive examples are only available online)

<https://mtosmt.org/issues/mto.24.30.1/mto.24.30.1.duguay.html>**Example 1.**

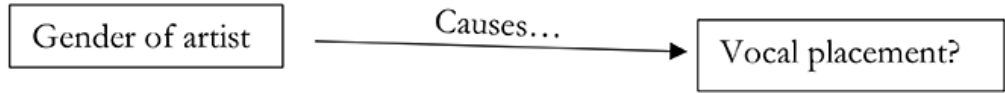
	Source separation model used to isolate vocal track	Notes	LUFS		Prominence in LU
			Vocal	Inst.	
1	Open-Unmix, v. 1.2.1	Results shown in de Clercq 2024	-18.1	-25.0	+6.9
2	iZotope RX7 Music Rebalance	Audio Example 4 in Duguay 2022	-20.1	-28.5	+8.4
3	Open-Unmix, initial release	Audio Example 5 in Duguay 2022	-20.5	-26.6	+6.1
4	Open-Unmix, v. 1.2.1 with default model umxl	Isolated vocal tracks created in February 2024	-20.1	-27	+6.9
5	Moises		-20.1	-30.4	+10.3
6	Moises (vocal <i>and</i> instrumental tracks)		-20.1	-26.8	+6.7
7	XTRAX STEMS		-20.2	-27.2	+7
8	MDX-Net Inst HQ 3		-20.1	-26.7	+6.6
9	htdemucs v4		-20.1	-26.9	+6.8

Example 2.

Prominence scale	LU values	Description
Prominence -2	$LU \leq -5$	The isolated vocal track has a significantly lower LU as the instrumental track.
Prominence -1	$-5 < LU < -1$	The isolated vocal track has a slightly lower LU as the instrumental track.
Prominence 0	$-1 \leq LU \leq +1$	The isolated vocal track has approximately the same LU as the instrumental track.
Prominence +1	$+1 < LU < +5$	The isolated vocal track has a slightly louder LU as the instrumental track.
Prominence +2	$LU \geq +5$	The isolated vocal track has a significantly louder LU as the instrumental track.

Example 3.

(de Clercq 2024)



(Duguay 2022)

