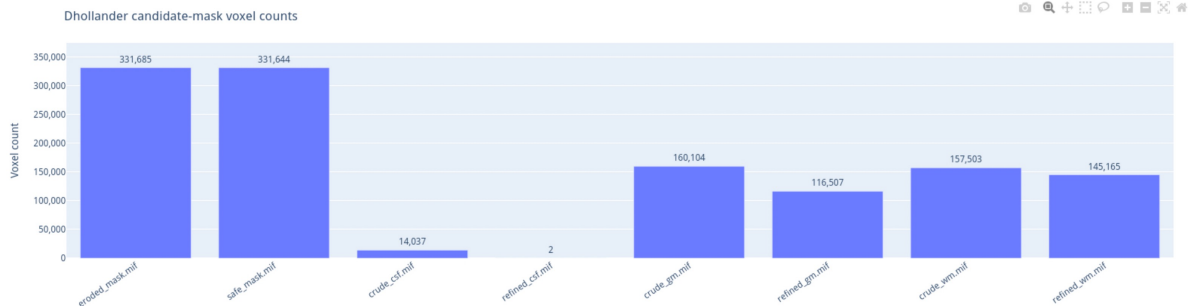
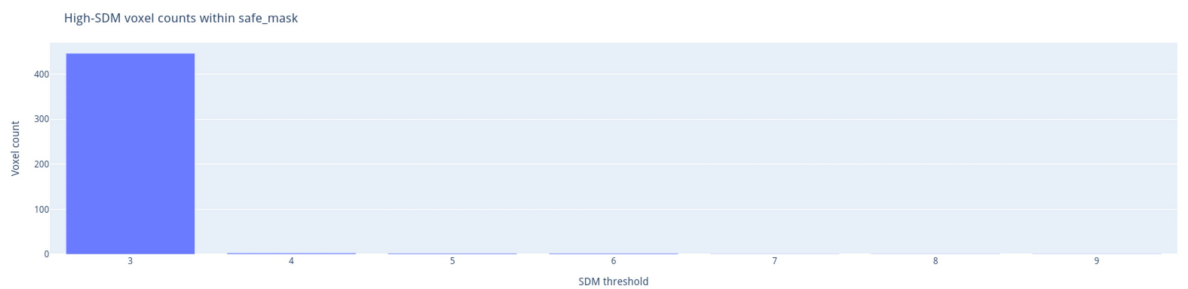


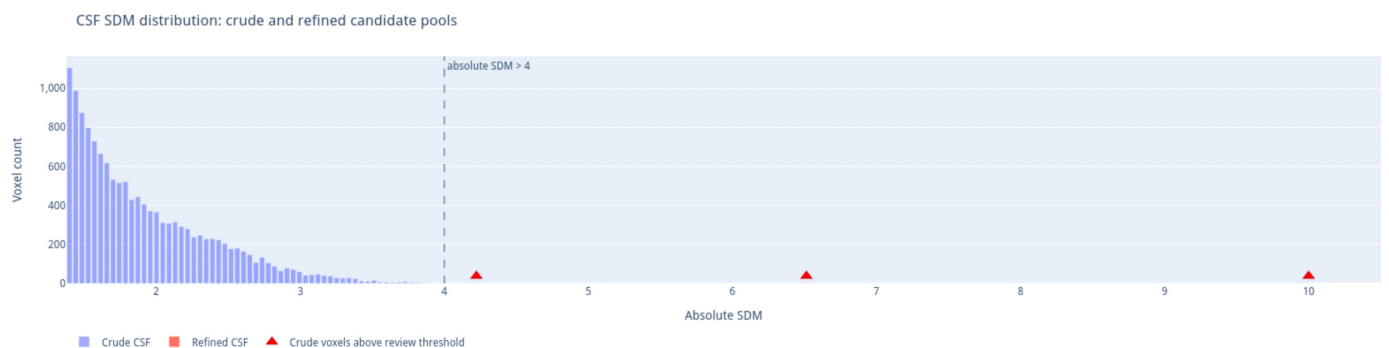
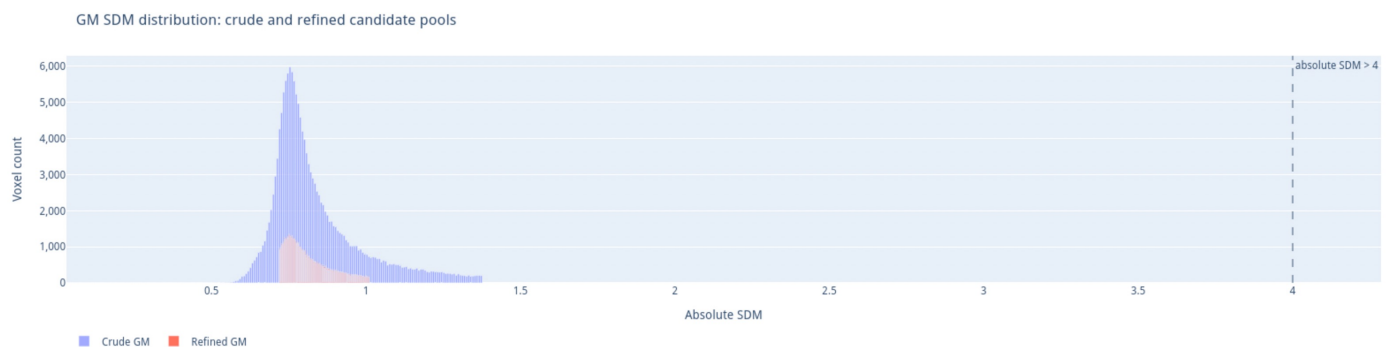
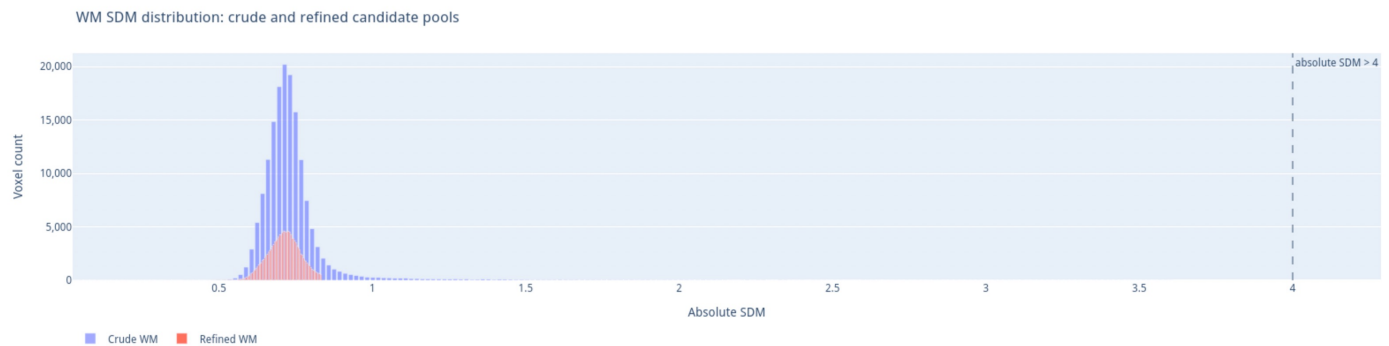
Case 1



the retained Dhollander masks. The general warning sign is an implausible collapse between crude and refined tissue pools. Largest crude - refined reduction in this run: CSF, 14,037 -> 2 voxels.



Counts of voxels in `safe_mask` above each fixed **absolute SDM** threshold. For spatial QC, the diagnostic retains one focused MIF mask at the threshold selected with `--review-threshold` (default: absolute SDM > 4). Because an SDM >4 mask already contains all voxels >5, >6, etc., separate higher-threshold MIF files are not retained.



High-SDM counts by tissue candidate pool

This table localises the high-SDM tail to crude/refined WM, GM and CSF rather than treating the tail as tissue-independent.

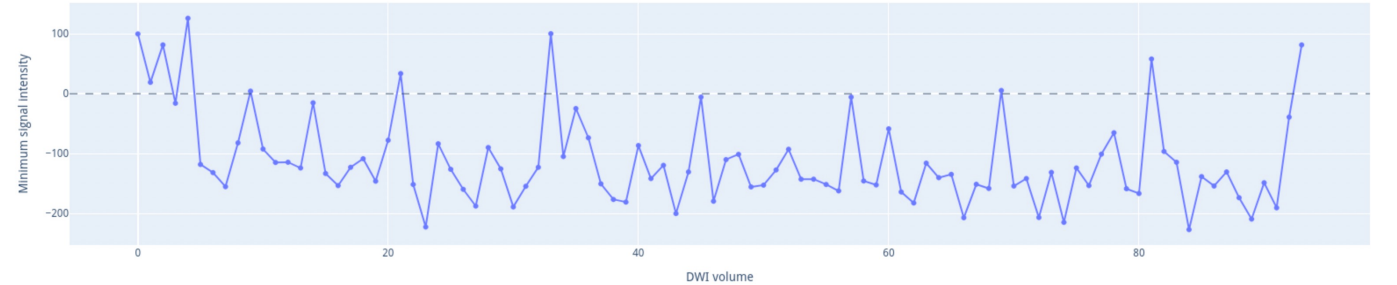
threshold	crude_wm	crude_gm	crude_csf	refined_wm	refined_gm	refined_csf
3	9	0	437	0	0	2
4	0	0	3	0	0	2
5	0	0	2	0	0	2
6	0	0	2	0	0	2
7	0	0	1	0	0	1
8	0	0	1	0	0	1
9	0	0	1	0	0	1

Absolute SDM values above the review threshold

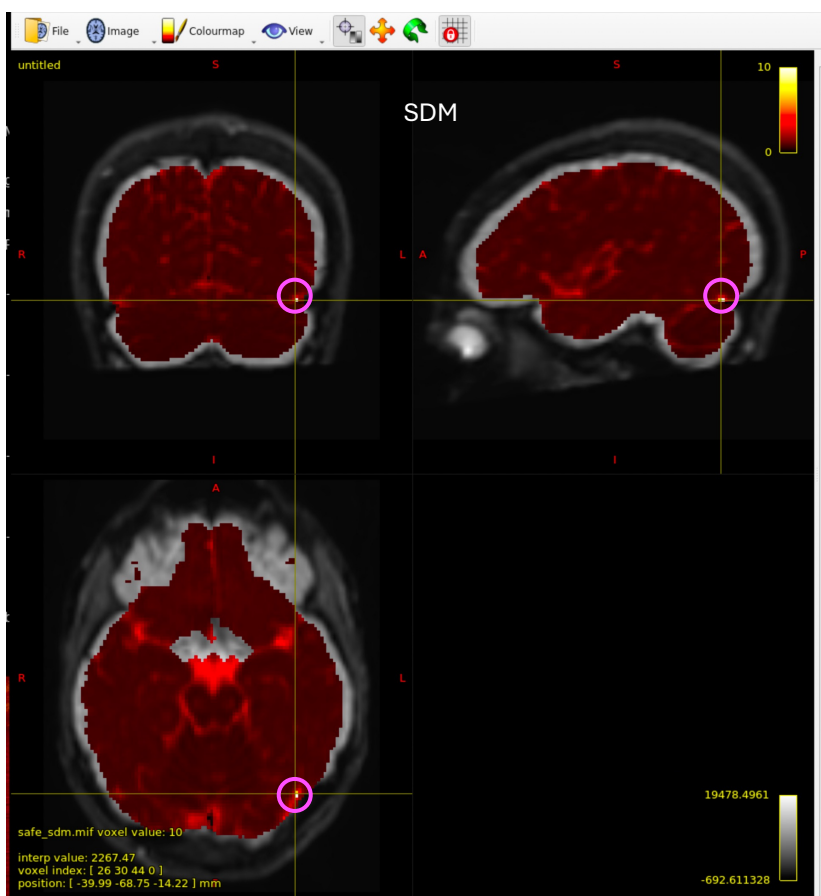
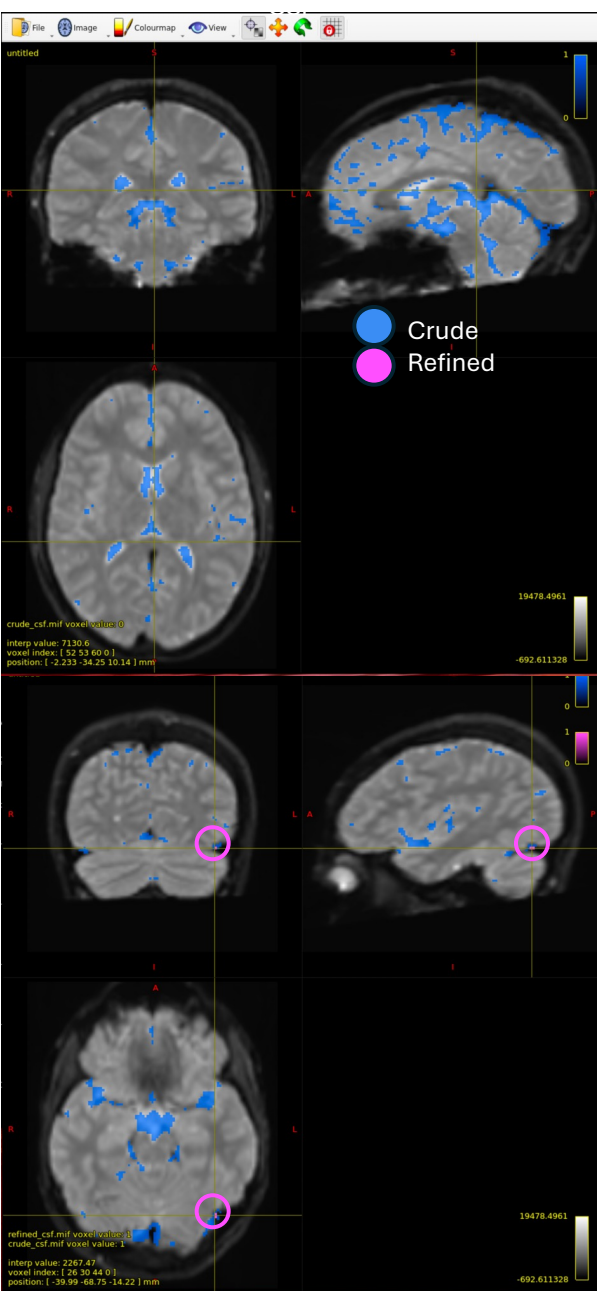
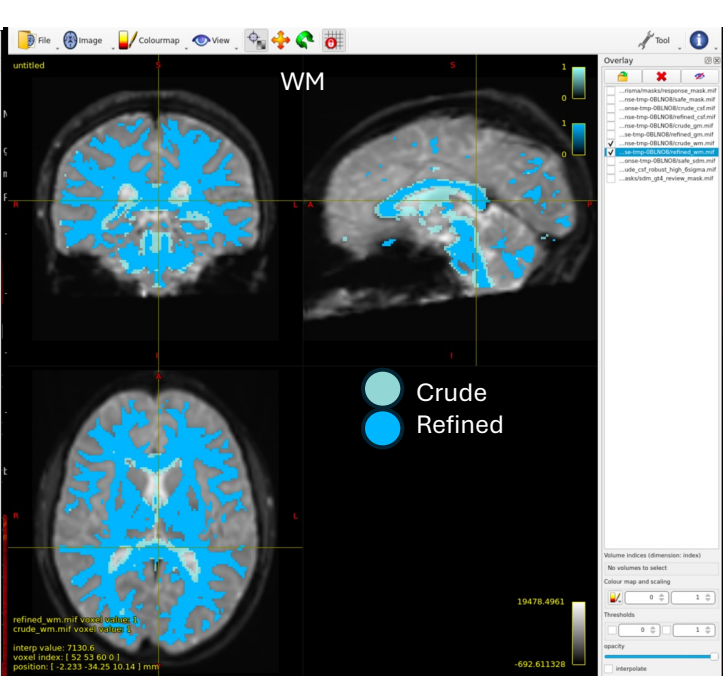
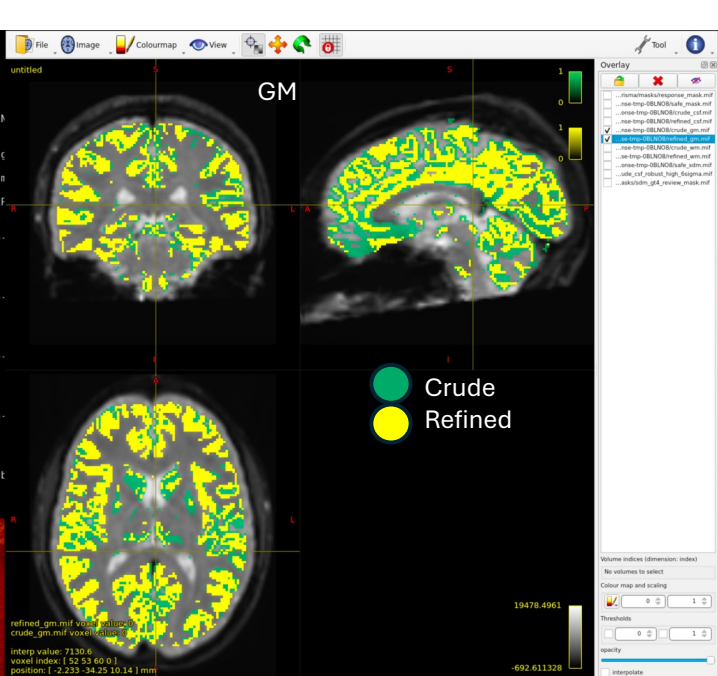
This table shows the actual SDM values behind the high-SDM counts for `safe_mask` and each crude/refined tissue pool. When a tail contains 20 voxels or fewer, every absolute SDM value is listed. For larger tails, the report keeps the table compact and shows the number of voxels plus minimum, median, maximum and range. Comparing the rows shows which crude/refined tissue candidate pools contain the reviewed high-SDM voxels.

region	voxel_count	min_sdm	median_sdm	max_sdm	range_sdm	individual_sdm_values_if_n_le_20
safe_mask	3	4.22217	6.5135	10	5.77783	4.22217, 6.5135, 10
crude_wm	0	NA	NA	NA	NA	NA
crude_gm	0	NA	NA	NA	NA	NA
crude_csf	3	4.22217	6.5135	10	5.77783	4.22217, 6.5135, 10
refined_wm	0	NA	NA	NA	NA	NA
refined_gm	0	NA	NA	NA	NA	NA
refined_csf	2	6.5135	8.25675	10	3.4865	6.5135, 10

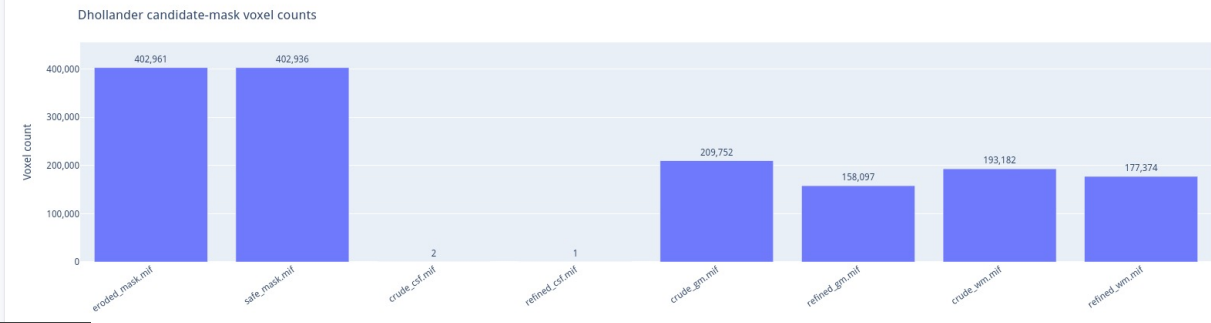
Minimum DWI signal in absolute SDM > 4 review voxels



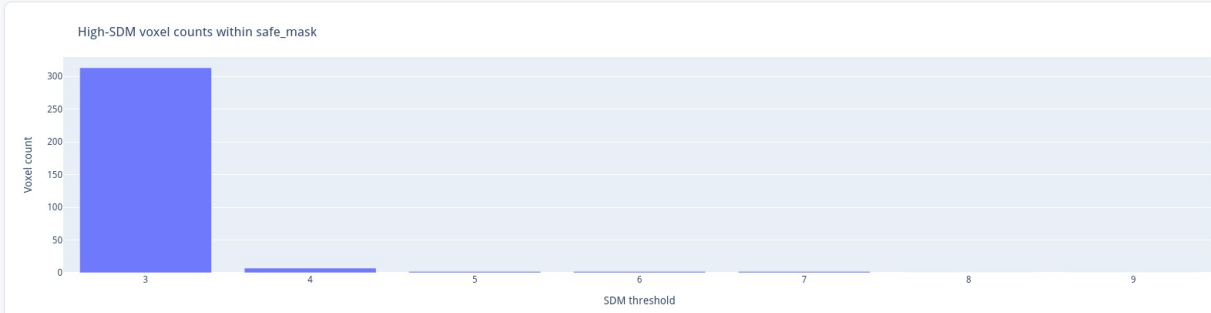
Minimum measured DWI signal across voxels with absolute SDM > 4 inside `safe_mask`, shown for each DWI volume. This identifies volumes in which the reviewed high-SDM voxels contain unusually low signal.



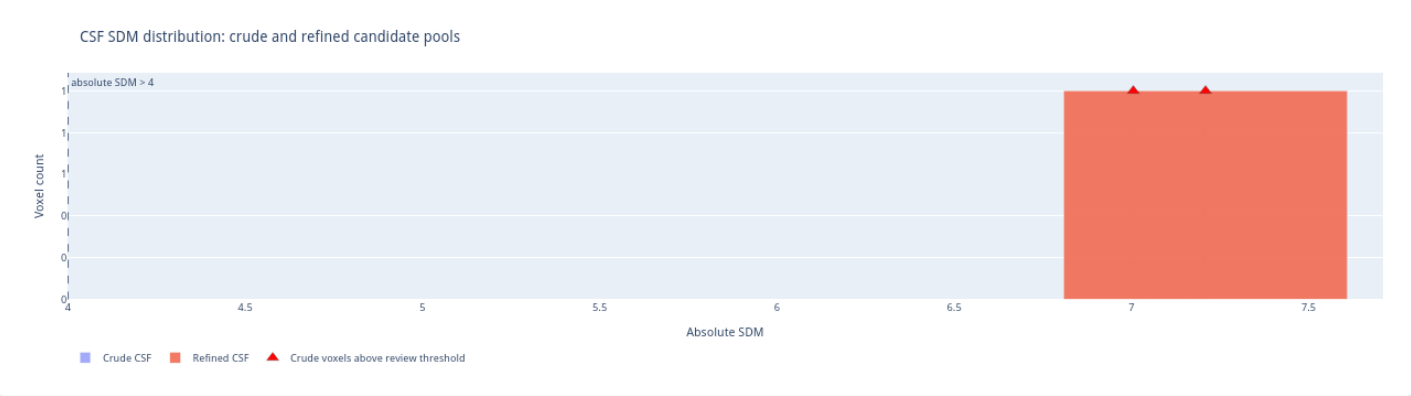
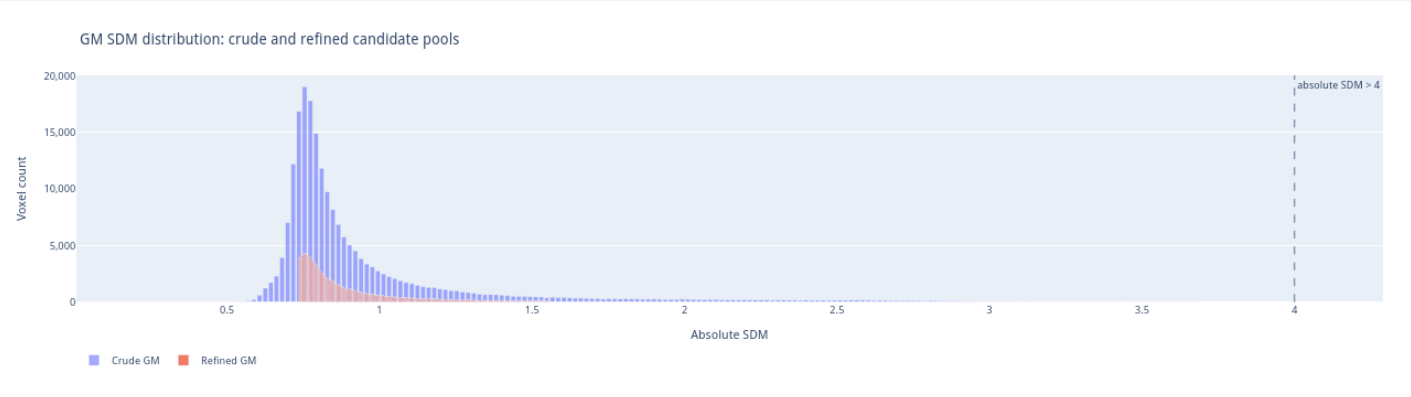
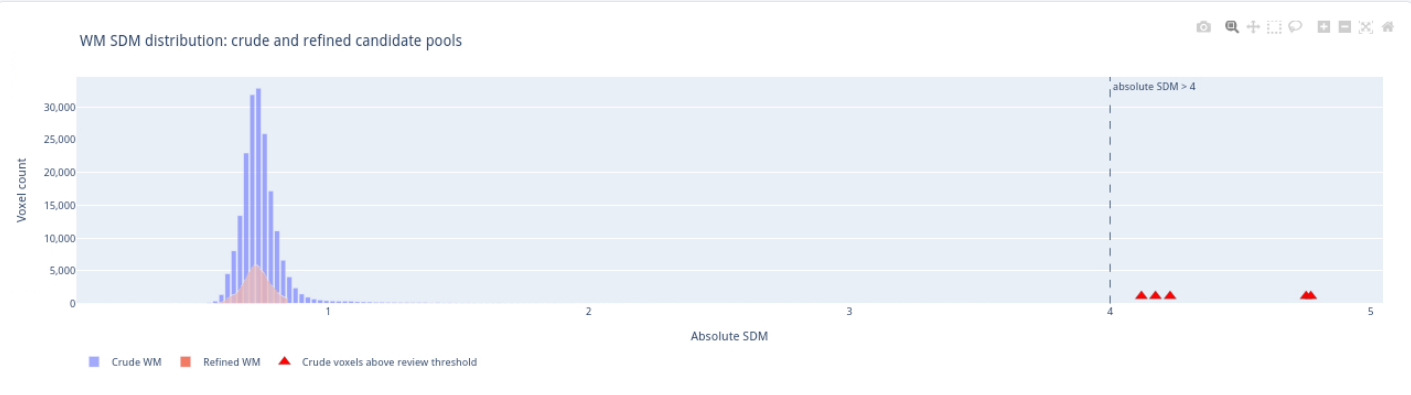
Case 2



Retained Dhollander masks. The general warning sign is an implausible collapse between crude and refined tissue pools. Largest crude - refined reduction in this run: CSF, 2 -> 1 voxels.



Counts of voxels in `safe_mask` above each fixed absolute SDM threshold. For spatial QC, the diagnostic retains one focused MIF mask at the threshold selected with `--review-threshold` (default: absolute SDM > 4). Because an SDM >4 mask already contains all voxels >5, >6, etc., separate higher-threshold MIF files are not retained.



High-SDM counts by tissue candidate pool

This table localises the high-SDM tail to crude/refined WM, GM and CSF rather than treating the tail as tissue-independent.

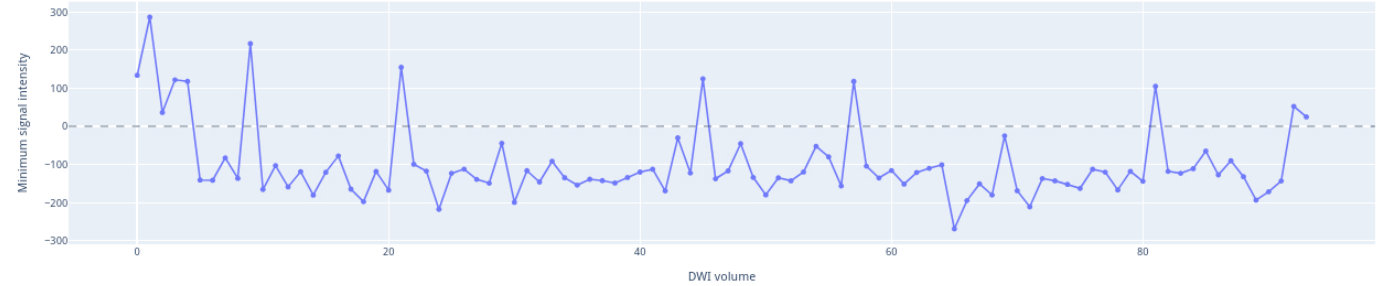
threshold	crude_wm	crude_gm	crude_csf	refined_wm	refined_gm	refined_csf
3	16	295	2	0	0	1
4	5	0	2	0	0	1
5	0	0	2	0	0	1
6	0	0	2	0	0	1
7	0	0	2	0	0	1
8	0	0	0	0	0	0
9	0	0	0	0	0	0

Absolute SDM values above the review threshold

This table shows the actual SDM values behind the high-SDM counts for `safe_mask` and each crude/refined tissue pool. When a tail contains 20 voxels or fewer, every absolute SDM value is listed. For larger tails, the report keeps the table compact and shows the number of voxels plus minimum, median, maximum and range. Comparing the rows shows which crude/refined tissue candidate pools contain the reviewed high-SDM voxels.

region	voxel_count	min_sdm	median_sdm	max_sdm	range_sdm	individual_sdm_values_if_n_le_20
safe_mask	7	4.11995	4.7518	7.20907	3.08912	4.11995, 4.17387, 4.22999, 4.7518, 4.76983, 7.00528, 7.20907
crude_wm	5	4.11995	4.22999	4.76983	0.64988	4.11995, 4.17387, 4.22999, 4.7518, 4.76983
crude_gm	0	NA	NA	NA	NA	NA
crude_csf	2	7.00528	7.10717	7.20907	0.20379	7.00528, 7.20907
refined_wm	0	NA	NA	NA	NA	NA
refined_gm	0	NA	NA	NA	NA	NA
refined_csf	1	7.20907	7.20907	7.20907	0	7.20907

Minimum DWI signal in absolute SDM > 4 review voxels



Minimum measured DWI signal across voxels with absolute SDM > 4 inside `safe_mask`, shown for each DWI volume. This identifies volumes in which the reviewed high-SDM voxels contain unusually low signal.

