

# Makefile Documentation

Documenting makefiles: ASL.mk, Flex.mk

*May 23, 2016*

## Contents

1 **Targets** 2 **Variables** 3 **Intermediate Files**

## 1 Targets

Variable	Definition & Description	File
Flex	Identify wm hyperintensities	Flex.mk
PCASL	Make the pcasl registrations (fnirt and ANTs)	ASL.mk
PCASL-QA	Make the pcasl QA images	ASL.mk
PCASL-all	Make both the pcasl registrations and QA images	ASL.mk

## 2 Variables

Variable	Definition & Description	File
FLEXPATH	\$(BIN)/wmprogram/sb/cross_platform/scripts No comment supplied.	Flex.mk
SBBINDIR	\$(BIN)/wmprogram/sb/linux No comment supplied.	Flex.mk
T1	\$(SubjDIR)/mprage/T1_brain.nii.gz Subject-specific T1 to register to	ASL.mk

## 3 Intermediate Files

.PHONY : (ASL.mk) No comment supplied.

.PHONY : (Flex.mk) No comment supplied.

QA/images/checkflex.gif : (Flex.mk) No comment supplied.

flair/Flair\_RO.nii.gz : (Flex.mk) No comment supplied.

flair/Flair\_brain.hdr : (Flex.mk) No comment supplied.

flair/Flair\_brain\_flwmt\_lesions.hdr : (Flex.mk) No comment supplied.

flair/Flair\_restore.nii.gz : (Flex.mk) No comment supplied.

flair/Flair\_scaled.nii.gz : (Flex.mk) No comment supplied.

flair/Flair\_wmh\_mask.nii.gz : (Flex.mk) No comment supplied.

flair/wmhstats.csv : (Flex.mk) No comment supplied.

pcasl/PCASL\_MO\_%\_to\_T1\_ANTs.nii.gz : (ASL.mk) Register M0 to T1 using ANTs

pcasl/PCASL\_MO\_%\_to\_T1\_fnirt.nii.gz : (ASL.mk) Register M0 to T1 using fnirt

pcasl/PCASL\_MO\_brain.nii.gz : (ASL.mk) Apply the brainmask to the 4d nifti

pcasl/PCASL\_MO\_brain\_avg.nii.gz : (ASL.mk) The average image of the motion-corrected, skull-stripped file.

pcasl/PCASL\_MO\_brain\_vol0.nii.gz : (ASL.mk) The first TR of the motion-corrected, skull-stripped file

pcasl/PCASL\_MO\_brainmask.nii.gz : (ASL.mk) Extract a binarized brainmask

pcasl/PCASL\_MO\_mcf.nii.gz : (ASL.mk) Motion correct using mcflirt

pcasl/QA/overlay\_.gif : (ASL.mk) No comment supplied.

pcasl/QA/slices\_.gif : (ASL.mk) No comment supplied.