

## NEWFIRM Filters for 2009A

This document tabulates the filter set installed in NEWFIRM for 2009A. The first table lists the user names and associated filter wheel position pairs for the user interface GUIs. The second table lists the individual pieces of glass in each wheel position.

For filter transmission curves and other properties of the individual pieces of glass, see the Filter Properties document.

Table 1. Filter user names and filter wheel position pairs for 2009A.

User name	FW1 (upper) Position	FW2 (lower) position
J	1	8
H	2	8
Ks	3	8
1056	4	4
1063	4	5
J1	5	1
J2	6	2
J3	6	3
H1	7	6
H2	7	7
Dark	2	4

Table 2. Individual filter (single piece of glass) in each filter wheel position.

Filter wheel	Pos 1	Pos 2	Pos 3	Pos 4	Pos 5	Pos 6	Pos 7	Pos 8
Upper FW1	JX	HX	KXs	1060 blocker	J1 blocker	J2+3 blocker	H1+2 blocker	open
Lower FW2	J1	J2	J3	1056 nm	1063 nm	H1	H2	open

Important changes from previous configurations:

1. "Dark" is once more defined by a pair of filters with non-overlapping bandpasses, as in 2008A and 2008B. This allows the full Yale set to be accommodated.
2. The Yale set J1, J2, etc. remains configured with the blocking filters in the upper wheel and the bandpass-defining filters in the lower wheel.
3. This configuration is identical to that of 2008B second half.