

## **4.2 FILTER SPECTRAL TRANSMISSION**

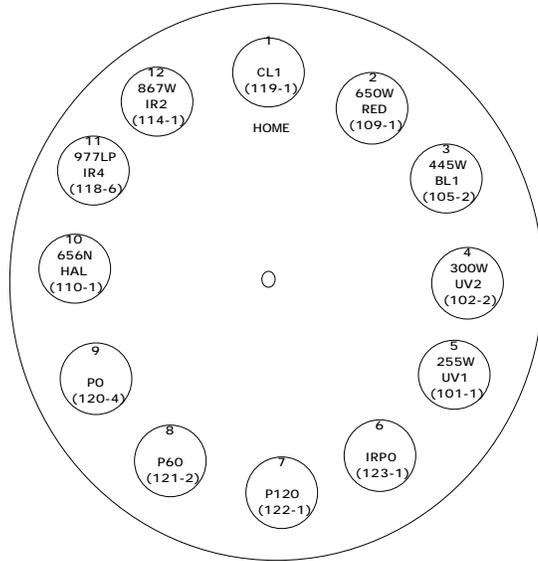
**Reference 4.2-1 - JPL Specification, CS516158C, " Cassini Imaging Science Subsystem Flight Equipment Optical Filters, Detail Specification for "**

### **4.2.1 BACKGROUND**

The ISS flight filters were manufactured by Barr Associates and tested both at Barr and at JPL. The JPL data (which is more extensive for the unpolarized filters, and more complete for the polarized filters) is presented in this report. All JPL filter data is electronically archived (see Appendix E).

The NAC and WAC FM filter wheel subassemblies each have 2 filter wheels. The NAC filter wheels hold 12 filters each, for a total of 24 filters (see Figure 4.2.1-1). The WAC filter wheels hold 9 filters each for a total of 18 filters (see Figure 4.2.1-2).

NAC FM FILTER PLACEMENT  
WHEEL #1 (FRONT)



NAC FM FILTER PLACEMENT  
WHEEL #2 (BACK)

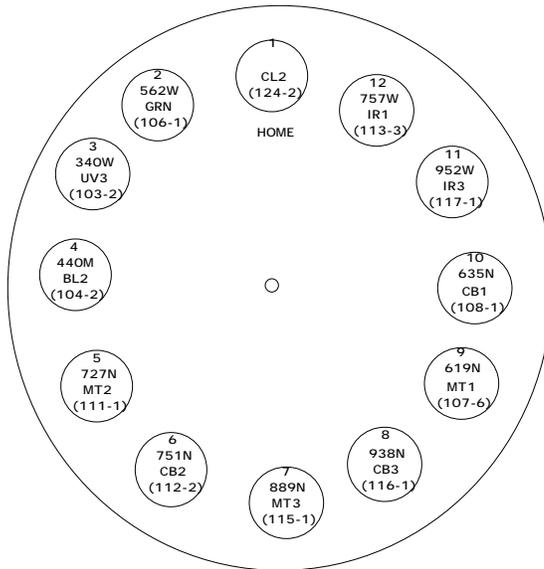
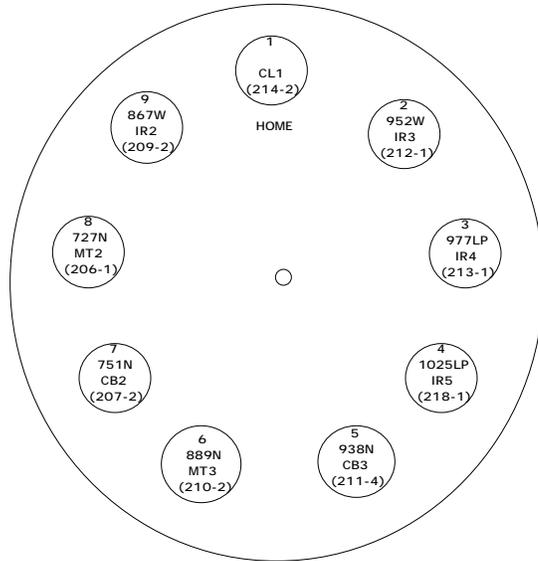


Figure 4.2.1-1 - NAC FM Filter Wheels

WAC FM FILTER PLACEMENT  
WHEEL #1 (FRONT)



WAC FM FILTER PLACEMENT  
WHEEL #2 (BACK)

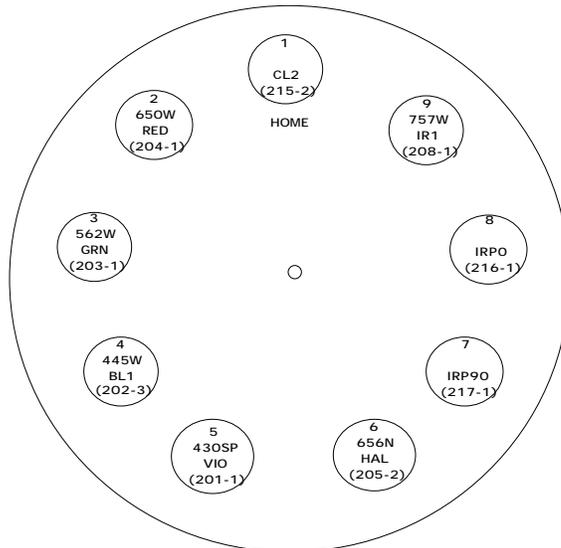


Figure 4.2.1-2 - WAC FM Filter Wheels