

**a**

Horsehead  
Nebula

L1630  
Cloud

IC 434  
H II Region

inner  
arc

Negative  
 $\text{H}\alpha$  0.656  $\mu\text{m}$

**b**

Spitzer  
mid-IR

23.7 7.87 5.73  $\mu\text{m}$



$\sigma$  Ori

slit

inner  
arc  
outer  
arc

10 arcmin