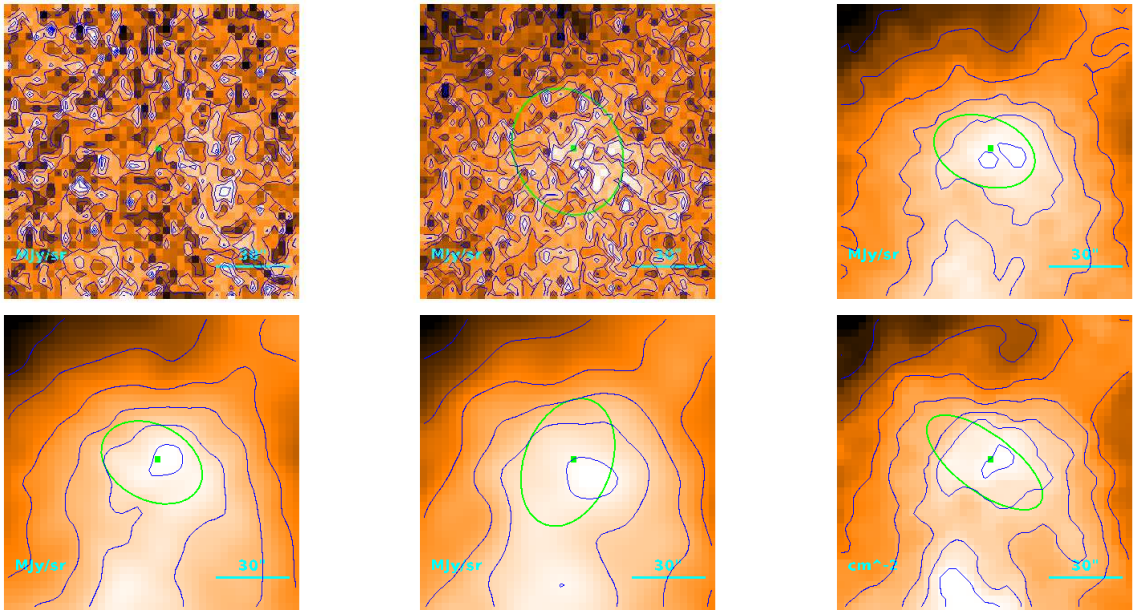
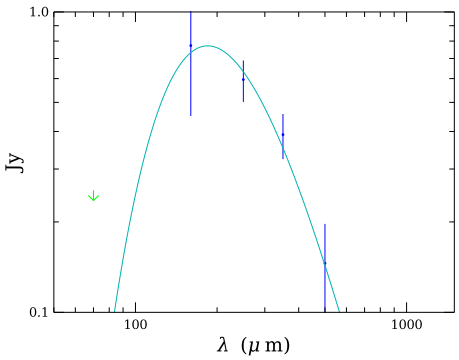
Lupus IV
distance 150 pc

# Source no. 1

# HGBS-J155718.6-423126




Physical properties of the source

$T = 15.7^{+1.3}_{-1.2}$ K

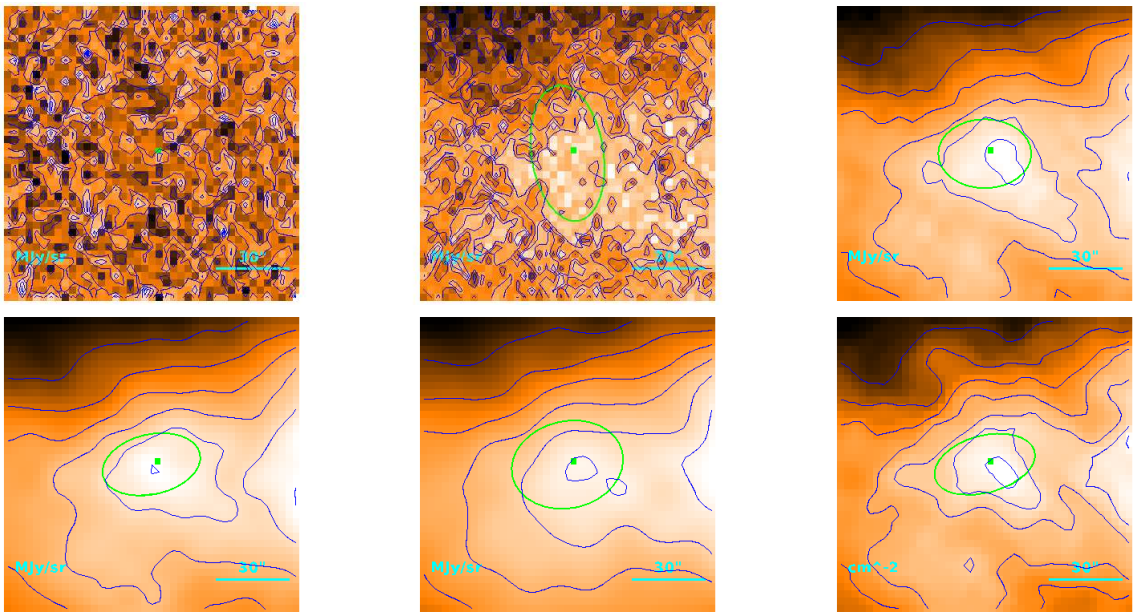
$M = \left(7.0^{+2.5}_{-1.8}\right) \cdot 10^{-3}\, M_{\odot}$

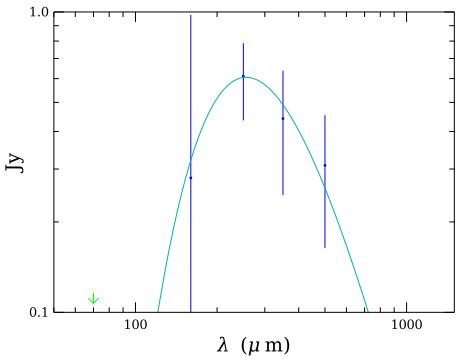
$$R = \begin{cases} 37\farcs3 \\ 32\farcs6 \\ 2.37 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (6.11) \cdot 10^{-1}\, M_{\odot}$

# Source no. 2

# HGBS-J155800.4-423555




Physical properties of the source

$T = 11.3^{+1.6}_{-1.1}$ K

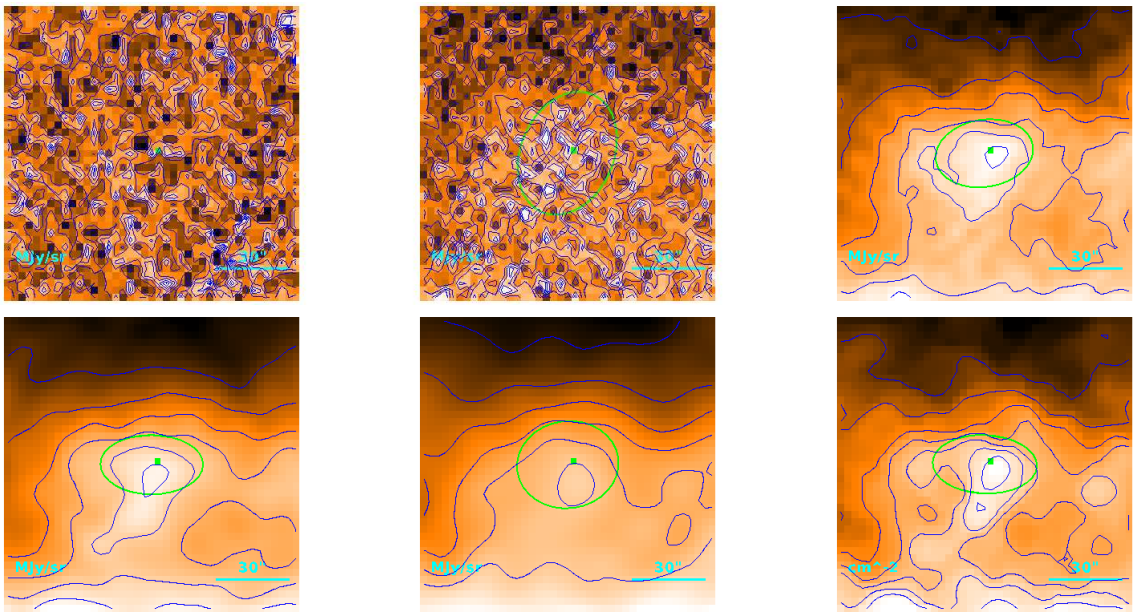
$M = \left(2.8^{+1.9}_{-1.3}\right) \cdot 10^{-2}\, M_{\odot}$

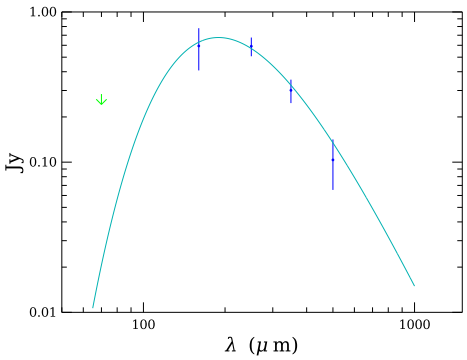
$R = \begin{cases} 32\farcs0 \\ 26\farcs3 \\ 1.91 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.56) \cdot 10^{-1}\, M_{\odot}$

# Source no. 3

# HGBS-J155800.4-423319




Physical properties of the source

$T = 15.3 \pm 1.1$ K

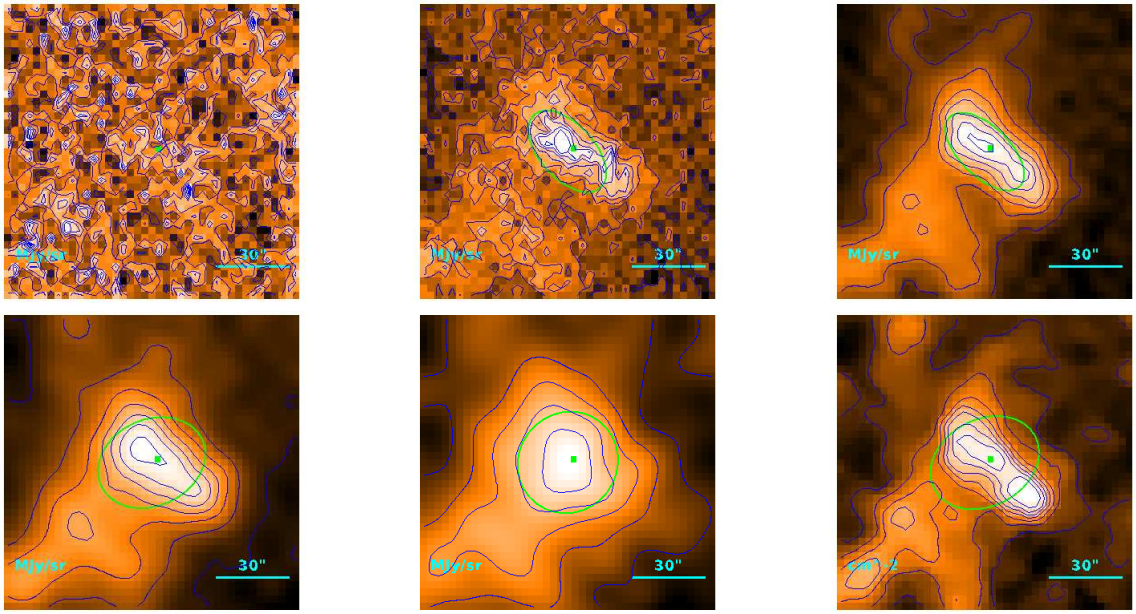
$M = \left(7.0^{+2.3}_{-1.7}\right) \cdot 10^{-3}\, M_\odot$

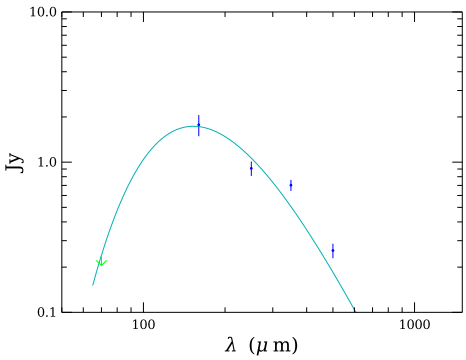
$$R = \begin{cases} 32\farcs6 \\ 27\farcs0 \\ 1.97 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (4.95) \cdot 10^{-1}\, M_\odot$

# Source no. 4

# HGBS-J155847.9-425059




Physical properties of the source

$T = 18.96^{+0.11}_{-0.67}$ K

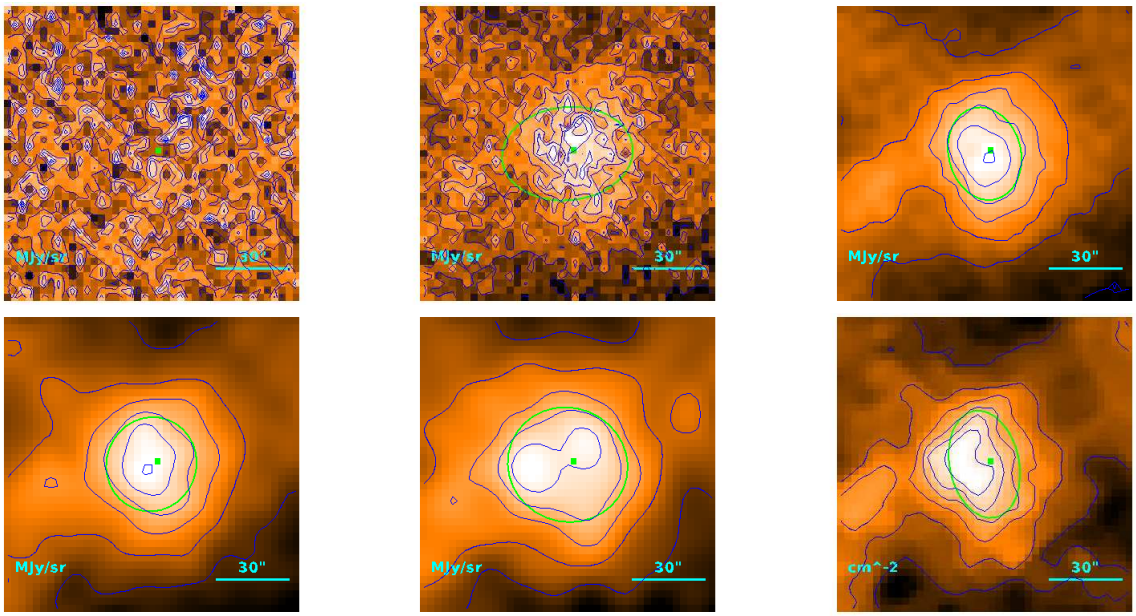
$M = \left(6.19^{+0.97}_{-0.36}\right) \cdot 10^{-3}\, M_{\odot}$

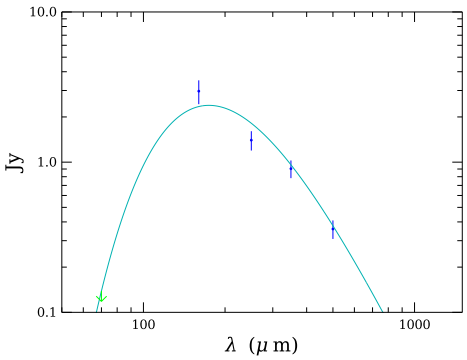
$R = \begin{cases} 41\farcs5 \\ 37\farcs3 \\ 2.71 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\mathrm{BE}} = (8.45) \cdot 10^{-1}\, M_{\odot}$

# Source no. 5

# HGBS-J155902.2-424030




Physical properties of the source

$T = 16.62^{+0.10}_{-0.09}$ K

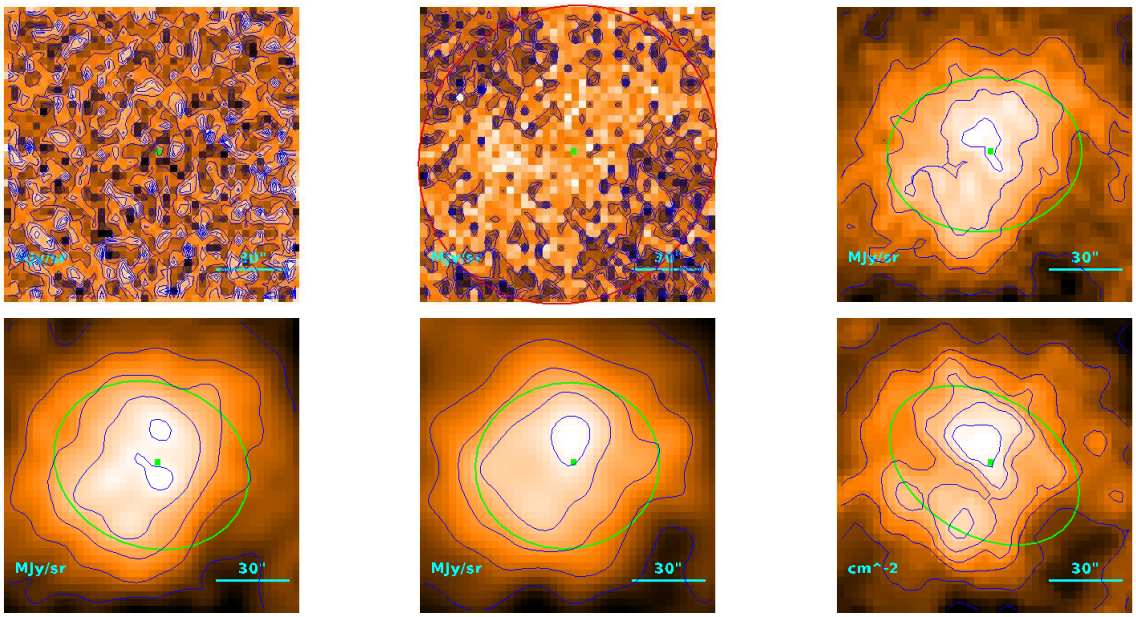
$M = (1.64 \pm 0.20) \cdot 10^{-2}\, M_{\odot}$

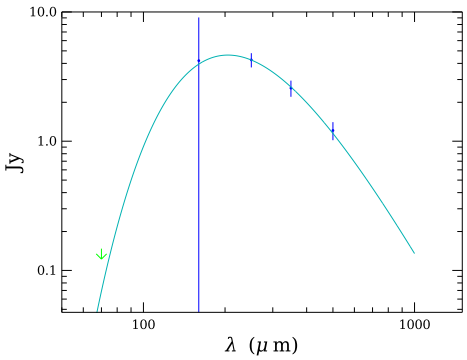
$$R = \begin{cases} 36\farcs1 \\ 31\farcs2 \\ 2.27 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (6.19) \cdot 10^{-1}\, M_{\odot}$

# Source no. 6

# HGBS-J155930.2-420930




Physical properties of the source

$T = 14.14^{+0.28}_{-0.27}$ K

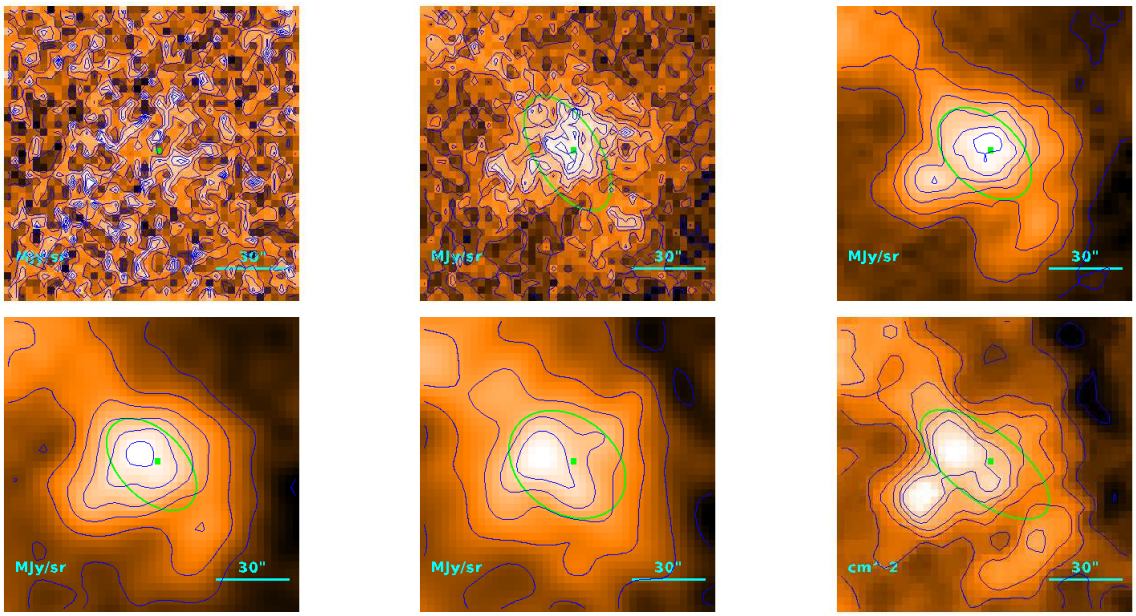
$M = (7.18 \pm 0.67) \cdot 10^{-2}\, M_\odot$

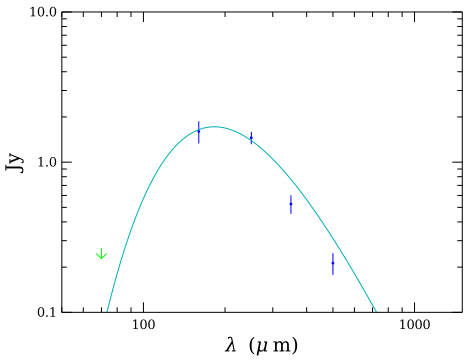
$$R = \begin{cases} 70\farcs4 \\ 68\farcs0 \\ 4.95 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = 1.15\, M_\odot$

# Source no. 7

# HGBS-J155937.5-415532




Physical properties of the source

$T = 15.86^{+0.43}_{-0.41}$ K

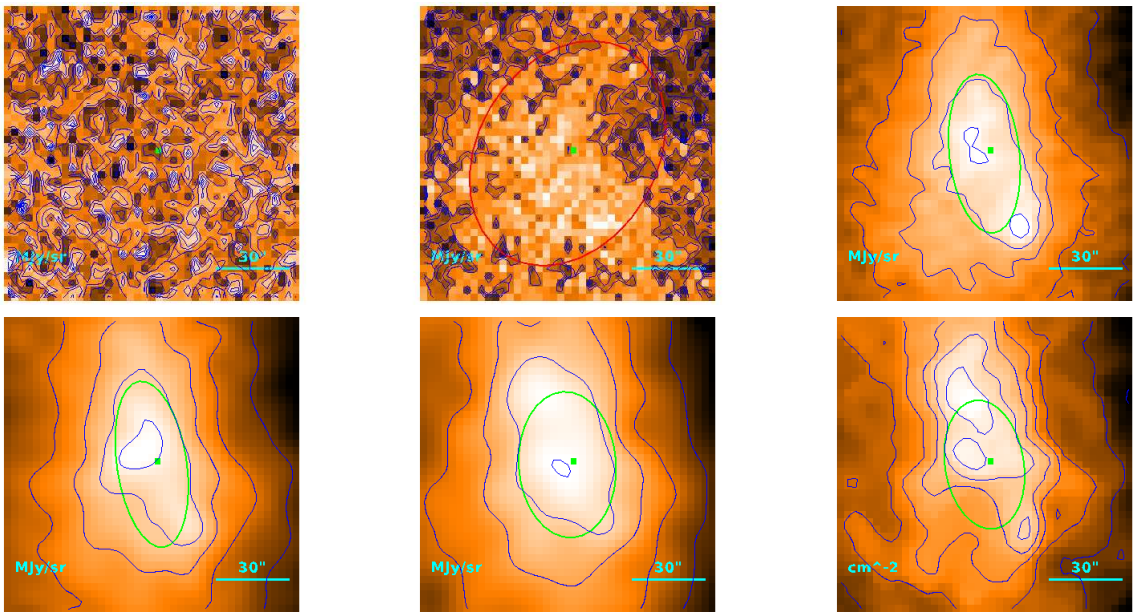
$M = \left(1.50^{+0.18}_{-0.16}\right) \cdot 10^{-2}\, M_{\odot}$

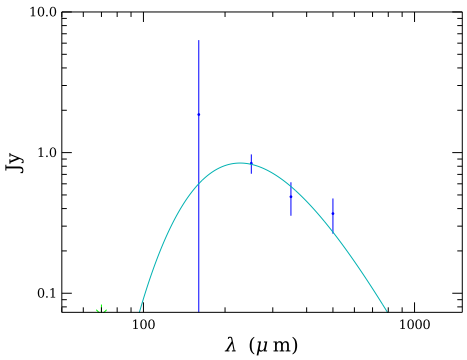
$R = \begin{cases} 43\farcs2 \\ 39\farcs2 \\ 2.85 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (7.43) \cdot 10^{-1}\, M_{\odot}$

# Source no. 8

# HGBS-J155939.7-423542




Physical properties of the source

$T = 12.8^{+2.2}_{-1.4}$ K

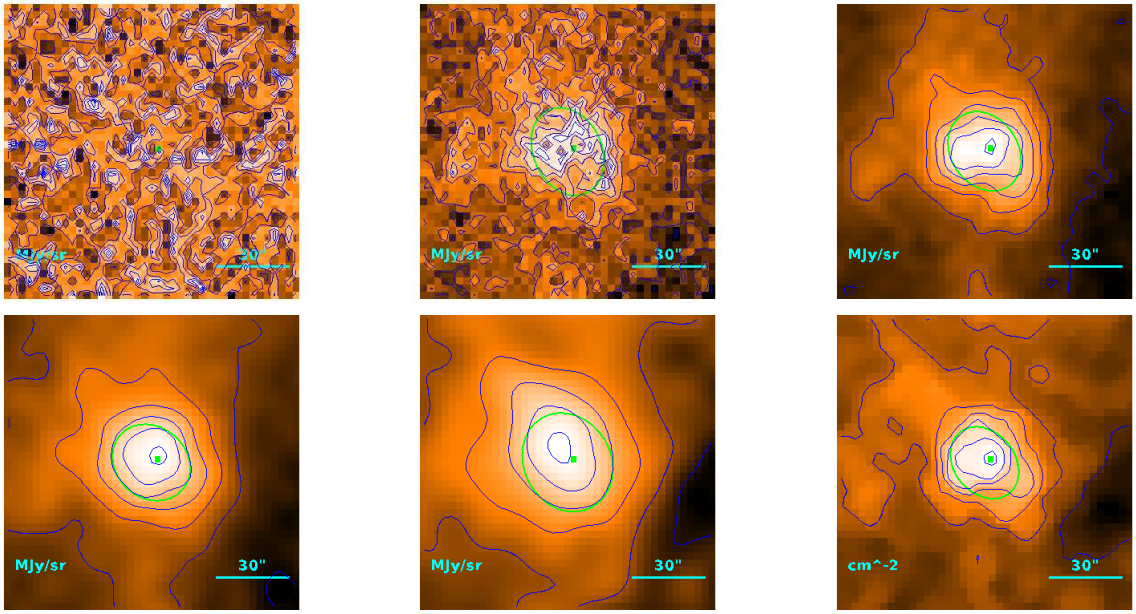
$M = \left(2.1^{+1.5}_{-1.0}\right) \cdot 10^{-2}\, M_\odot$

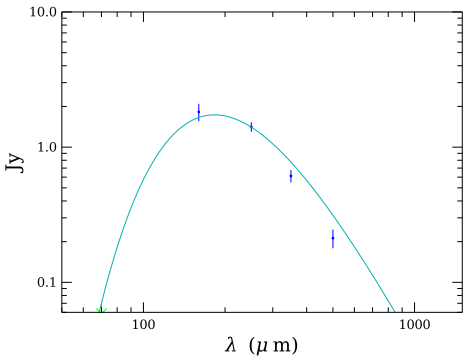
$$R = \begin{cases} 42\farcs3 \\ 38\farcs2 \\ 2.78 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (5.82) \cdot 10^{-1}\, M_\odot$

# Source no. 9

# HGBS-J155950.0-424247




Physical properties of the source

$T = 15.85^{+0.04}_{-0.07}$ K

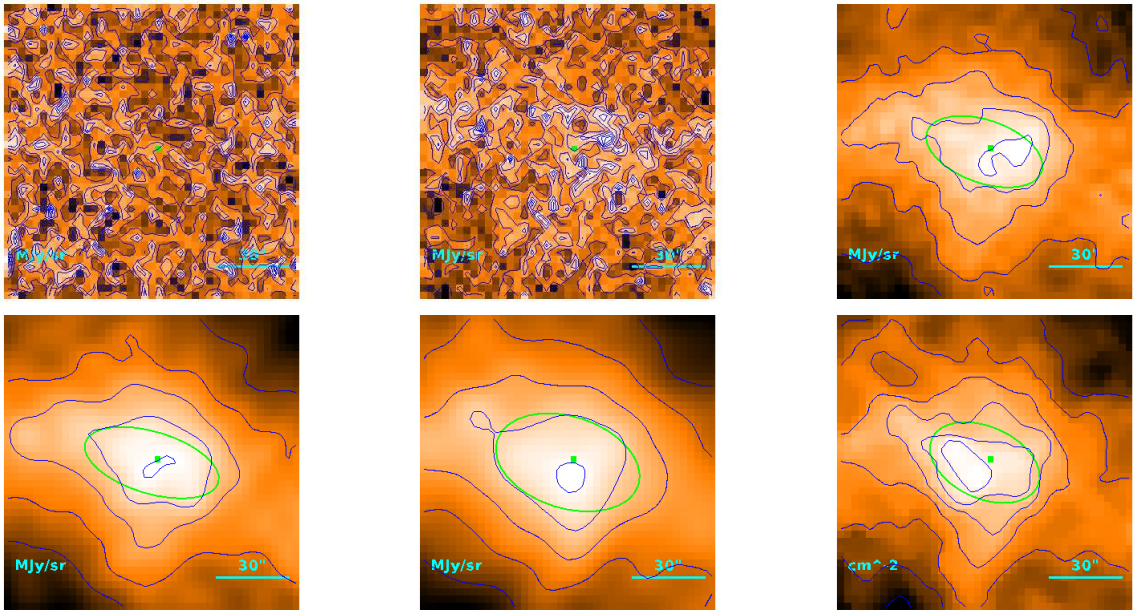
$M = (1.51 \pm 0.10) \cdot 10^{-2}\, M_{\odot}$

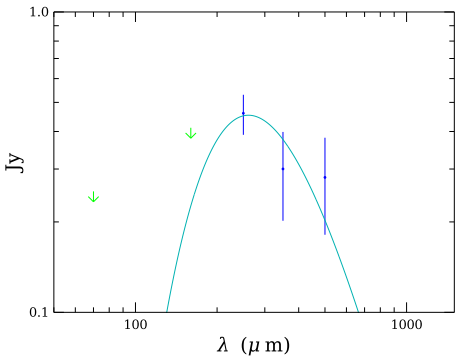
$$R = \begin{cases} 28\farcs9 \\ 22\farcs4 \\ 1.63 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (4.25) \cdot 10^{-1}\, M_{\odot}$

# Source no. 10

# HGBS-J155953.5-420352




Physical properties of the source

$T = 11.1^{+2.7}_{-1.5}$ K

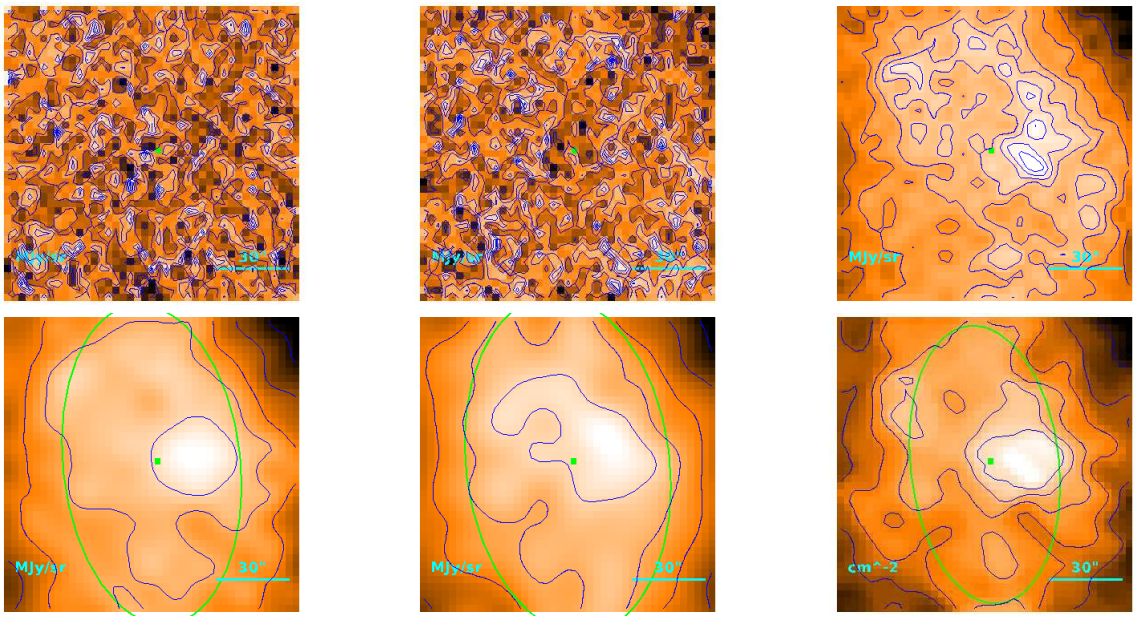
$M = \left(2.3^{+2.6}_{-1.5}\right) \cdot 10^{-2}\, M_{\odot}$

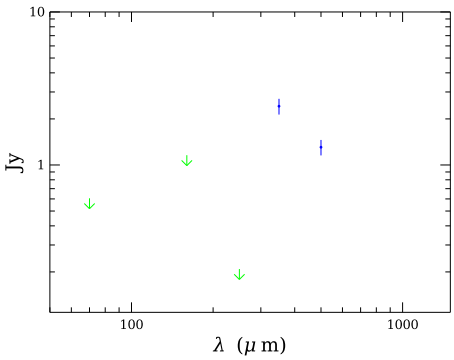
$R = \begin{cases} 38\farcs0 \\ 33\farcs4 \\ 2.43 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (4.43) \cdot 10^{-1}\, M_{\odot}$

# Source no. 11

# HGBS-J160012.6-421901




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

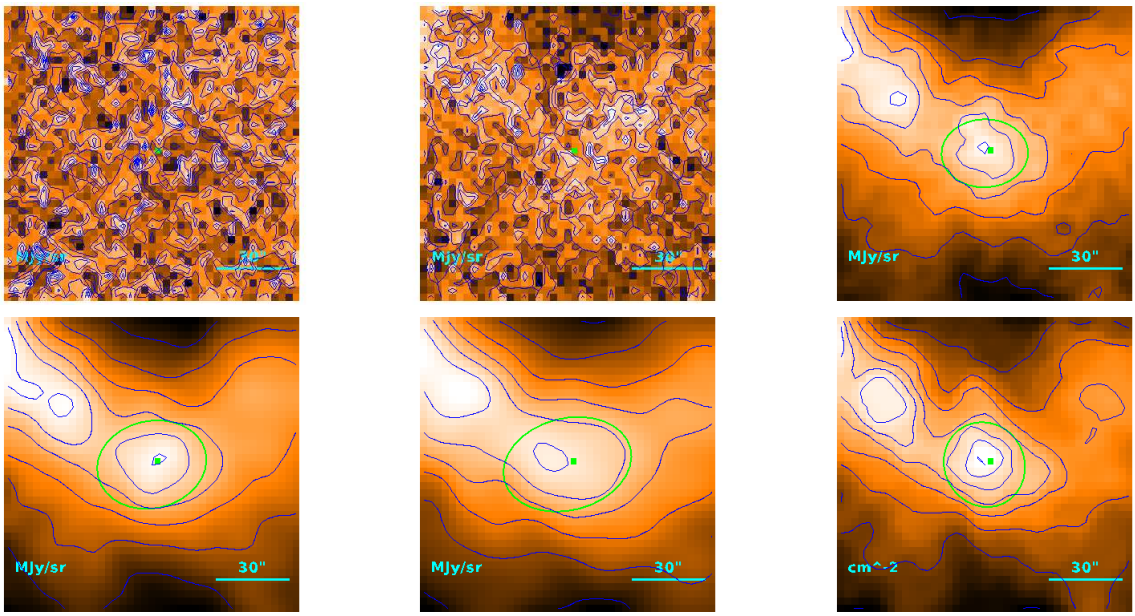
$M = \left(1.34^{+0.38}_{-0.26}\right) \cdot 10^{-1}\, M_{\odot}$

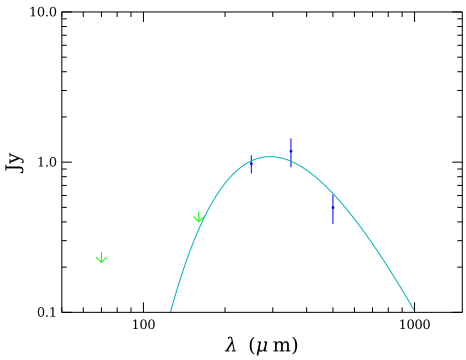
$$R = \begin{cases} 84\farcs9 \\ 82\farcs9 \\ 6.03 \cdot 10^{-2}\ \mathrm{pc} \end{cases}$$

$M_{\mathrm{BE}} = 1.15\, M_{\odot}$

# Source no. 12

# HGBS-J160019.5-420500




Physical properties of the source

$T = 9.88^{+0.57}_{-0.50}$ K

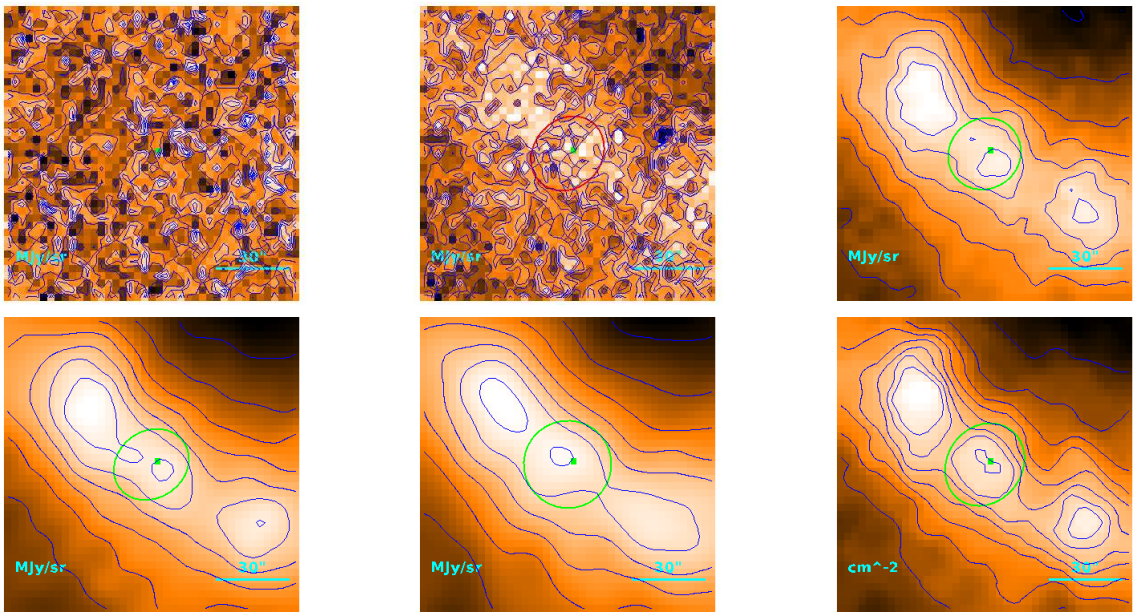
$M = \left(1.01^{+0.29}_{-0.24}\right) \cdot 10^{-1}\, M_{\odot}$

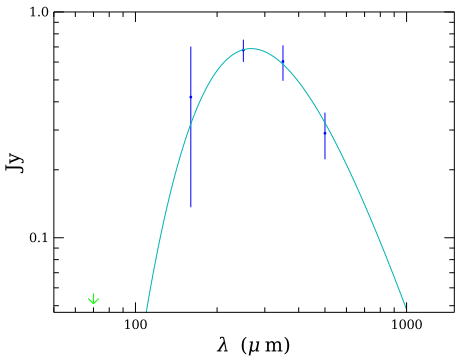
$R = \begin{cases} 34\farcs6 \\ 29\farcs4 \\ 2.14 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.48) \cdot 10^{-1}\, M_{\odot}$

# Source no. 13

# HGBS-J160023.3-420437




Physical properties of the source

$T = 10.85^{+0.57}_{-0.49}$ K

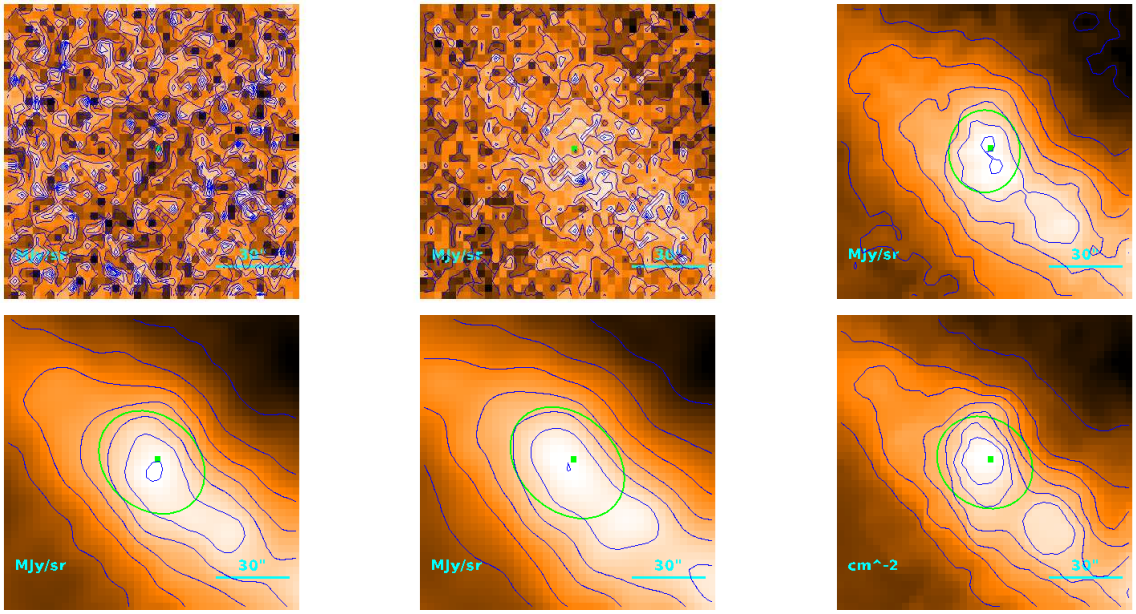
$M = \left(4.0^{+1.0}_{-0.9}\right) \cdot 10^{-2}\, M_{\odot}$

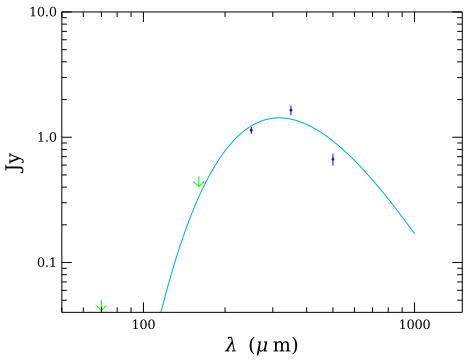
$R = \begin{cases} 33\farcs6 \\ 28\farcs2 \\ 2.05 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.66) \cdot 10^{-1}\, M_{\odot}$

# Source no. 14

# HGBS-J160025.9-420410




Physical properties of the source

$T = 9.15^{+0.27}_{-0.25}$ K

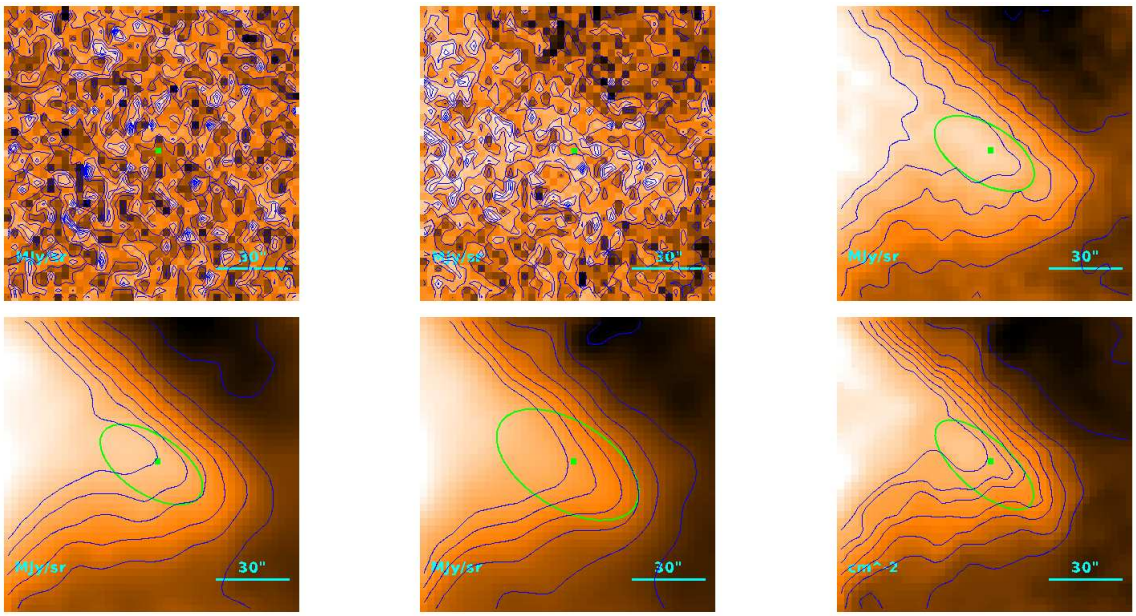
$M = \left(1.94^{+0.29}_{-0.26}\right) \cdot 10^{-1}\, M_{\odot}$

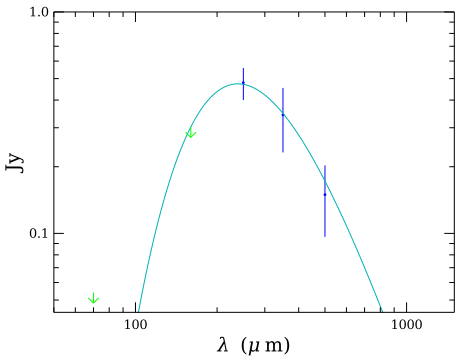
$R = \begin{cases} 38\farcs9 \\ 34\farcs4 \\ 2.50 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.76) \cdot 10^{-1}\, M_{\odot}$

# Source no. 15

# HGBS-J160037.7-420459




Physical properties of the source

$T = 12.14^{+0.31}_{-0.90}$ K

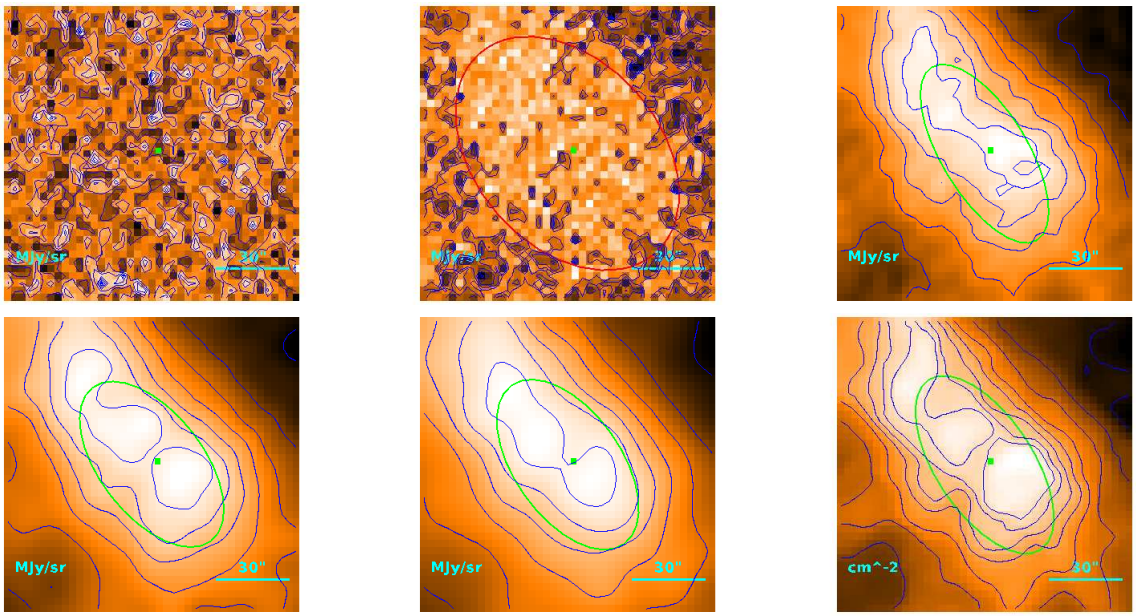
$M = \left(1.57^{+0.66}_{-0.26}\right) \cdot 10^{-2}\, M_{\odot}$

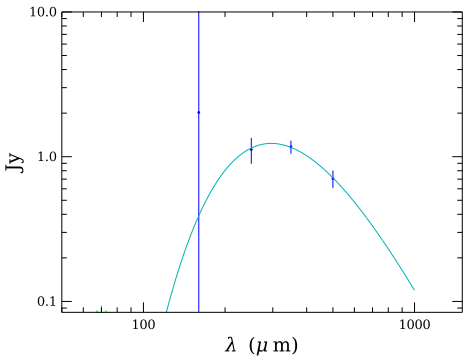
$R = \begin{cases} 33\farcs5 \\ 28\farcs1 \\ 2.05 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (4.08) \cdot 10^{-1}\, M_{\odot}$

# Source no. 16

# HGBS-J160038.3-420835




Physical properties of the source

$T = 9.79^{+0.20}_{-0.18}$ K

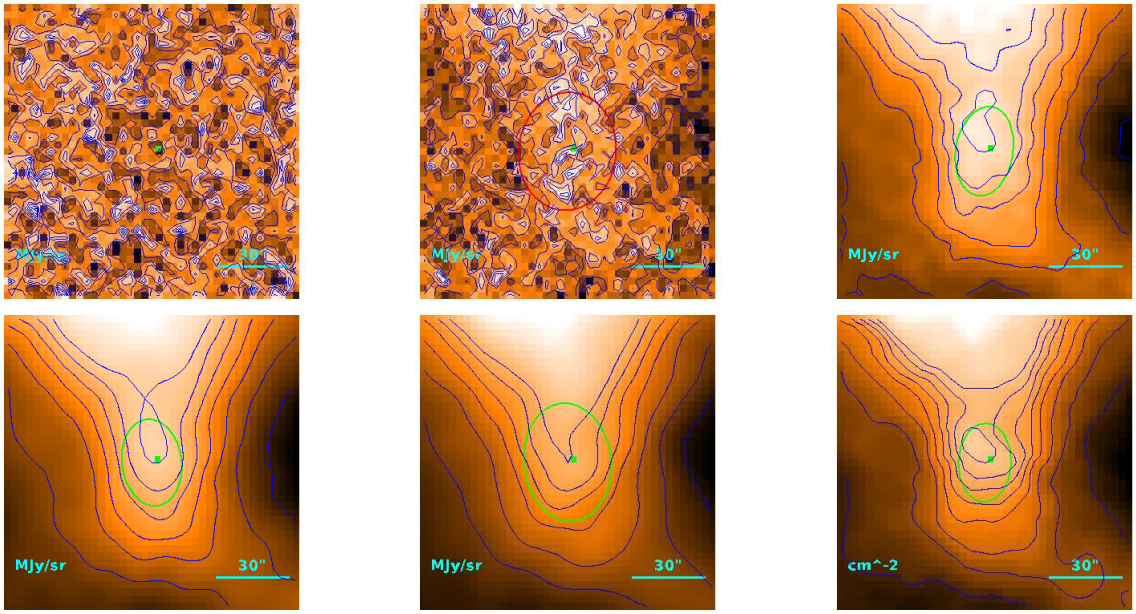
$M = \left(1.203^{+0.095}_{-0.094}\right) \cdot 10^{-1}\, M_{\odot}$

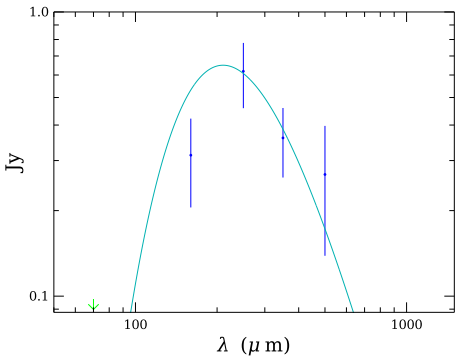
$R = \begin{cases} 58\farcs5 \\ 55\farcs6 \\ 4.04 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (6.51) \cdot 10^{-1}\, M_{\odot}$

# Source no. 17

# HGBS-J160047.8-420621




Physical properties of the source

$T = 13.8^{+3.2}_{-2.0}$ K

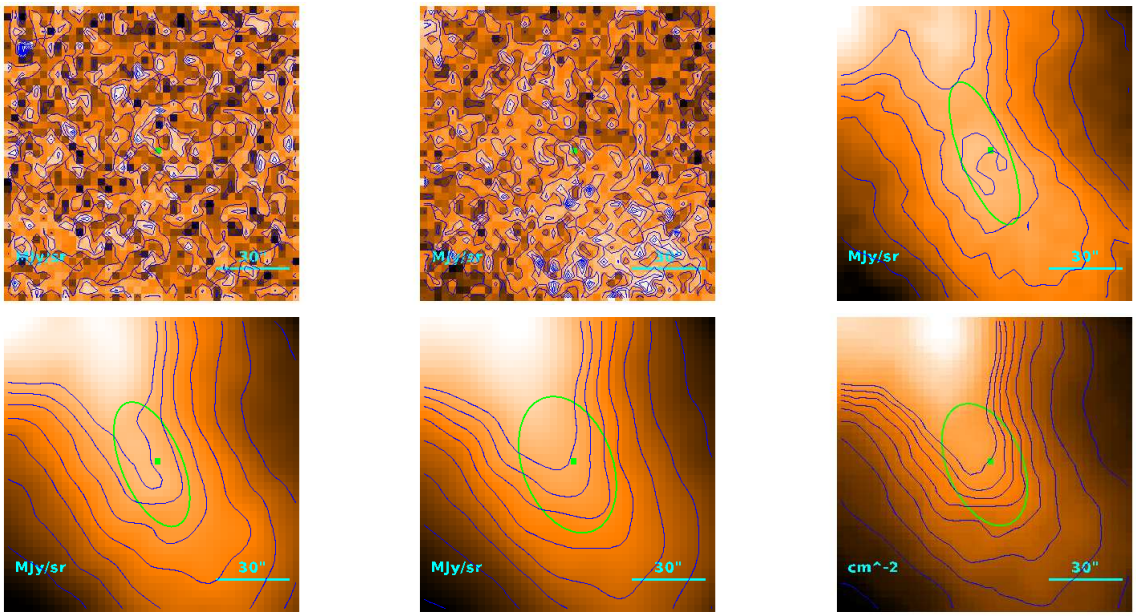
$M = \left(1.1^{+1.0}_{-0.6}\right) \cdot 10^{-2}\, M_{\odot}$

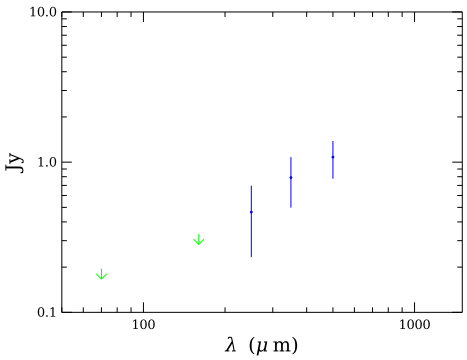
$$R = \begin{cases} 27\farcs0 \\ 19\farcs9 \\ 1.45 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (3.28) \cdot 10^{-1}\, M_{\odot}$

# Source no. 18

# HGBS-J160050.6-420437




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

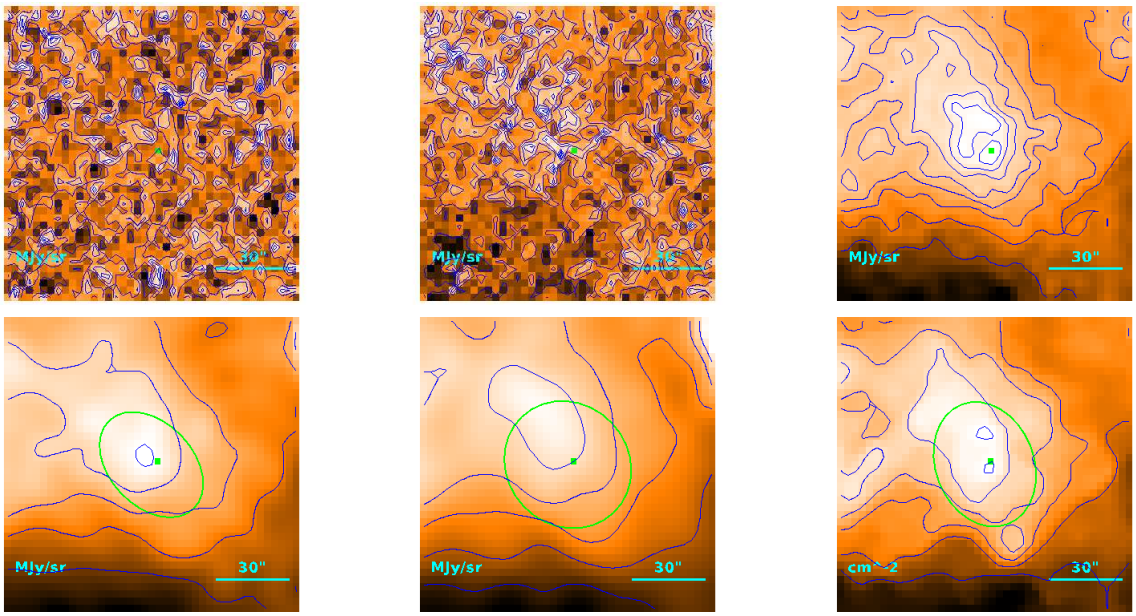
$M = \left(1.11^{+0.32}_{-0.21}\right) \cdot 10^{-1}\, M_{\odot}$

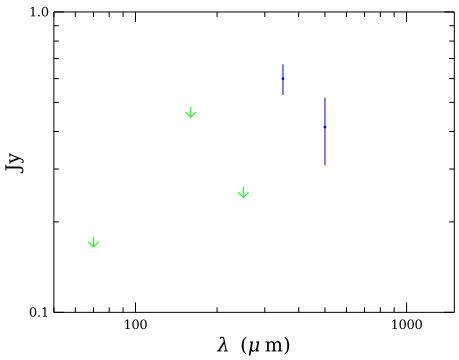
$$R = \begin{cases} 41\farcs0 \\ 36\farcs7 \\ 2.67 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (5.09) \cdot 10^{-1}\, M_{\odot}$

# Source no. 19

# HGBS-J160051.8-415625




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

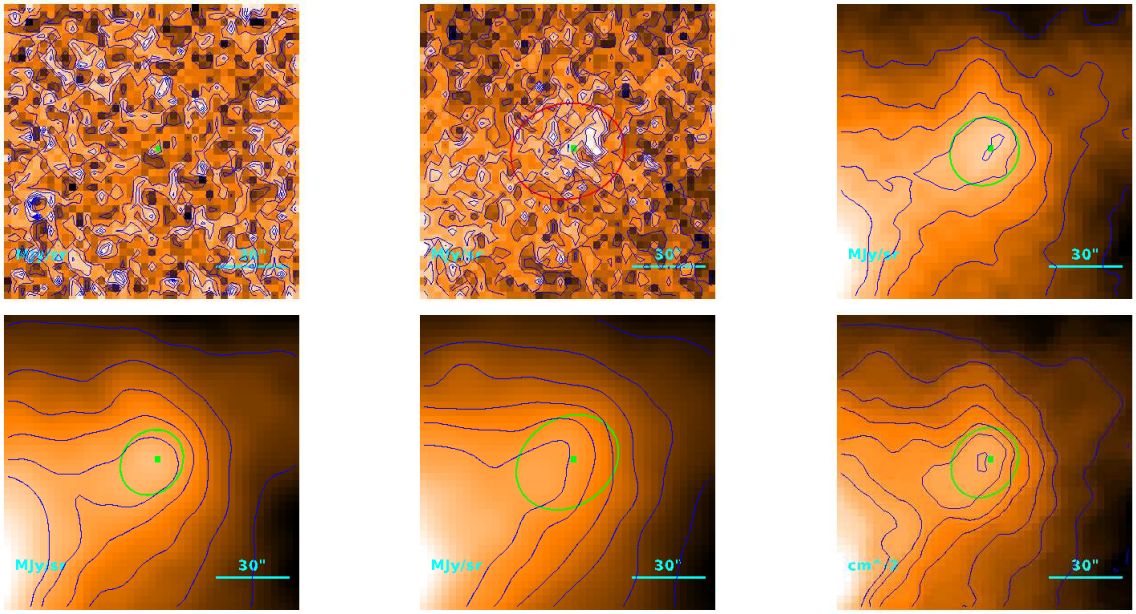
$M = \left(4.2^{+1.2}_{-0.8}\right) \cdot 10^{-2}\, M_{\odot}$

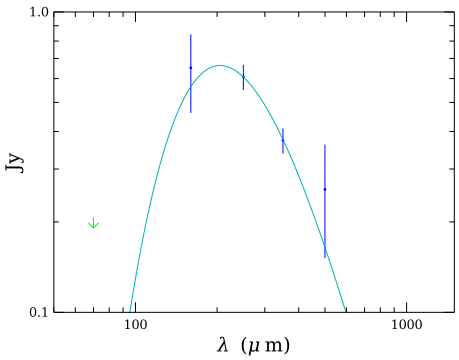
$R = \begin{cases} 46\farcs8 \\ 43\farcs1 \\ 3.14 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (5.98) \cdot 10^{-1}\, M_{\odot}$

# Source no. 20

# HGBS-J160055.0-415100




Physical properties of the source

$T = 14.13^{+0.79}_{-0.70}$ K

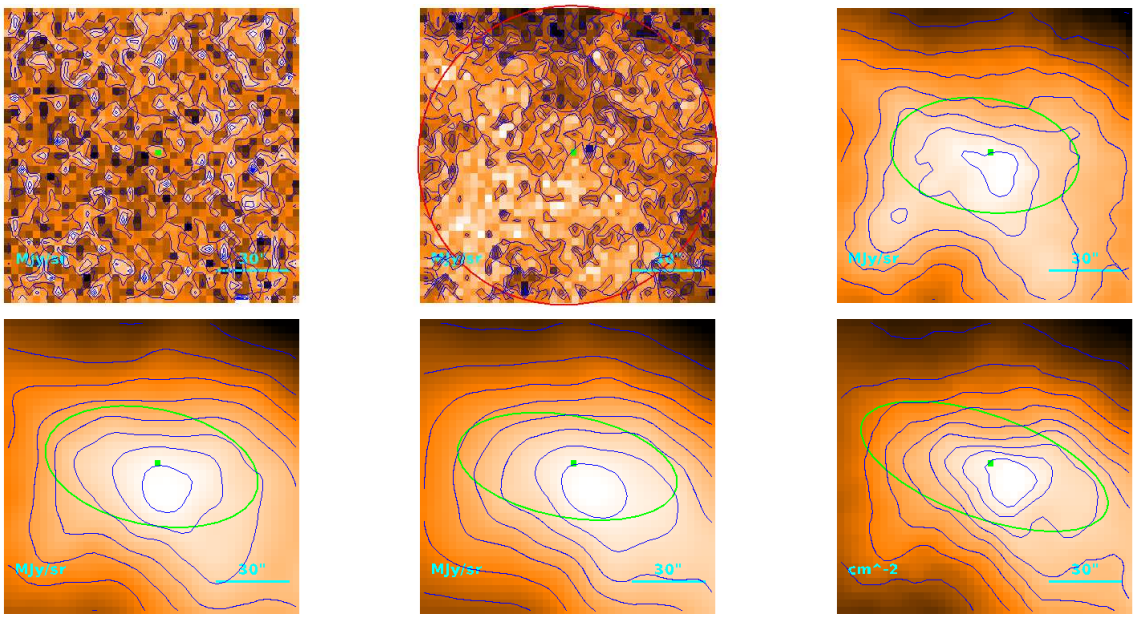
$M = \left(1.03^{+0.21}_{-0.18}\right) \cdot 10^{-2}\, M_{\odot}$

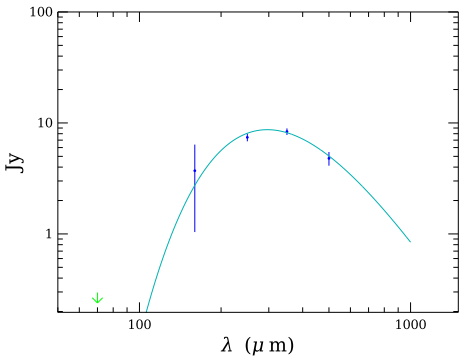
$R = \begin{cases} 28\farcs6 \\ 22\farcs1 \\ 1.60 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.73) \cdot 10^{-1}\, M_{\odot}$

# Source no. 21

# HGBS-J160058.7-420253




Physical properties of the source

$T = 9.78 \pm 0.05$ K

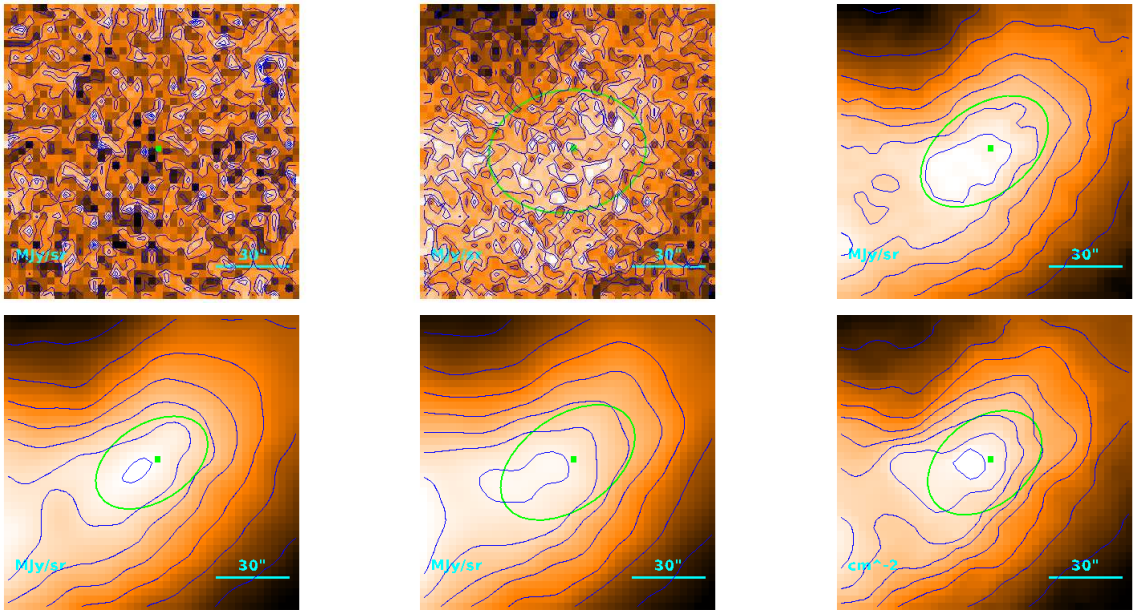
$M = (8.51 \pm 0.43) \cdot 10^{-1}\, M_\odot$

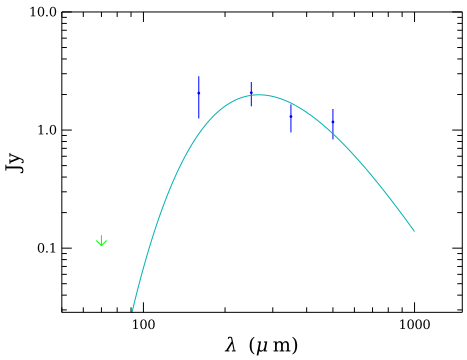
$$R = \begin{cases} 68\farcs1 \\ 65\farcs6 \\ 4.77 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (7.67) \cdot 10^{-1}\, M_\odot$

# Source no. 22

# HGBS-J160103.6-415200




Physical properties of the source

$T = 10.87^{+0.66}_{-0.60}$ K

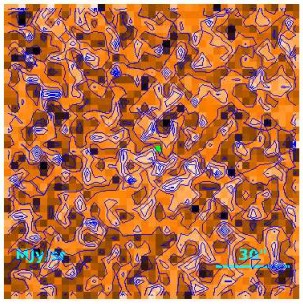
$M = \left(1.14^{+0.30}_{-0.24}\right) \cdot 10^{-1}\, M_{\odot}$

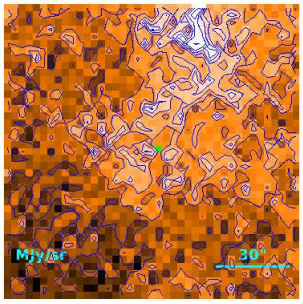
$R = \begin{cases} 43\farcs9 \\ 39\farcs9 \\ 2.91 \cdot 10^{-2} \text{ pc} \end{cases}$

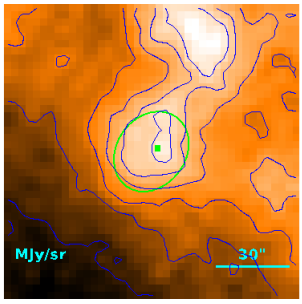
$M_{\rm BE} = (5.19) \cdot 10^{-1}\, M_{\odot}$

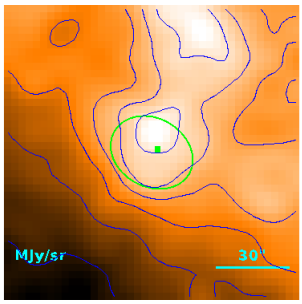
# Source no. 23

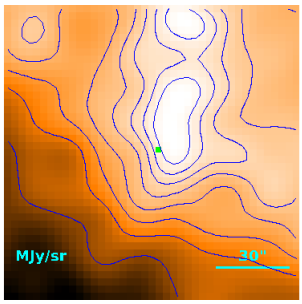
# HGBS-J160110.6-413426

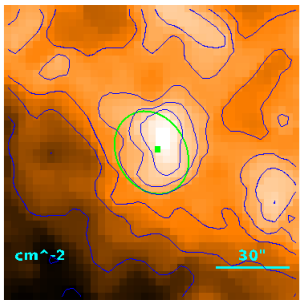


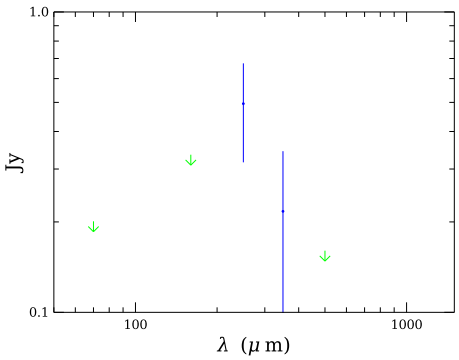




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

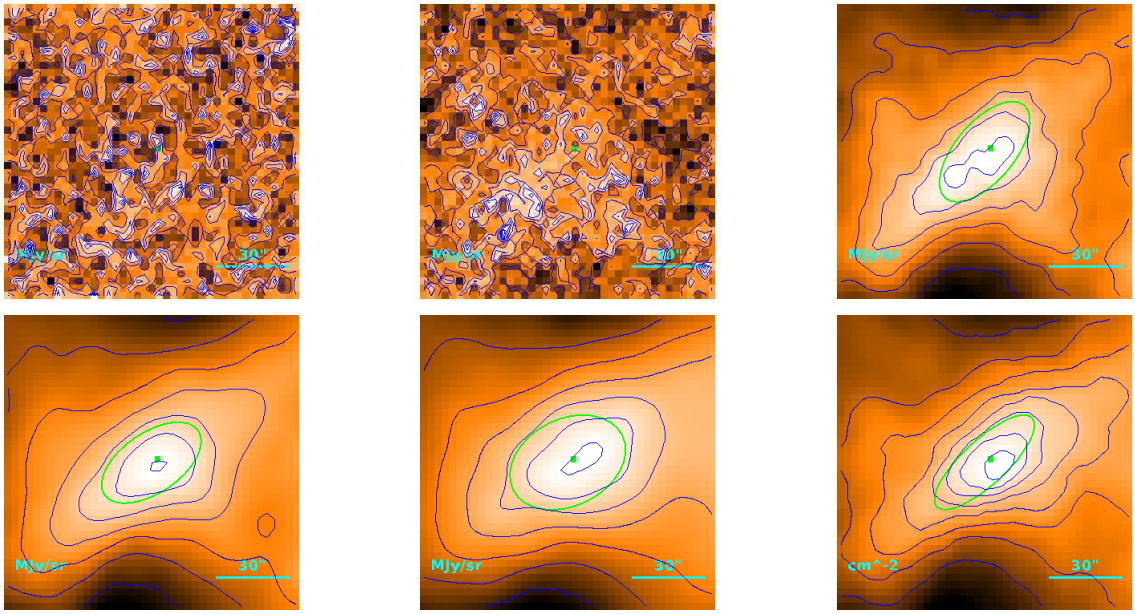
$M = \left(1.15^{+0.47}_{-0.29}\right) \cdot 10^{-2}\, M_{\odot}$

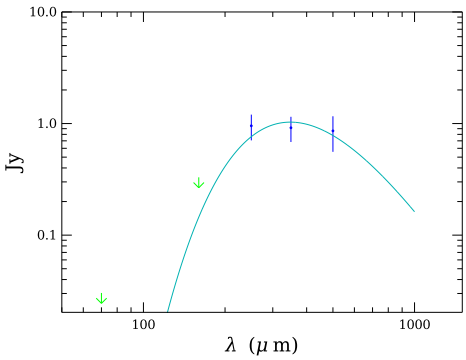
$$R = \begin{cases} 32\farcs5 \\ 26\farcs9 \\ 1.96 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (3.73) \cdot 10^{-1}\, M_{\odot}$

# Source no. 24

# HGBS-J160112.2-420304




Physical properties of the source

$T = 8.32^{+0.47}_{-0.44}$ K

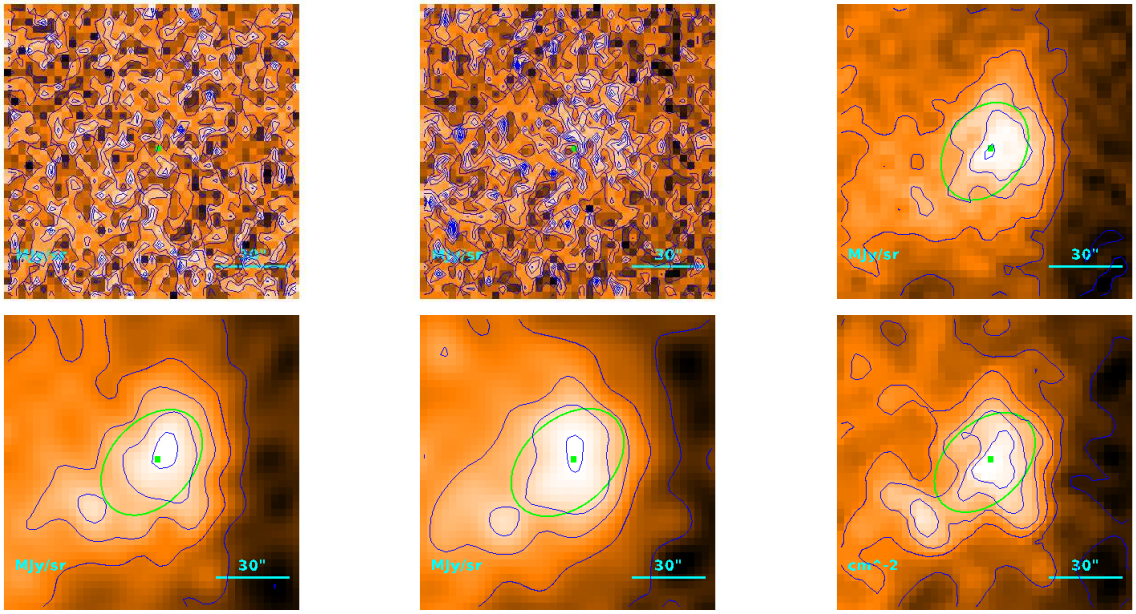
$M = \left(2.26^{+0.66}_{-0.50}\right) \cdot 10^{-1}\, M_{\odot}$

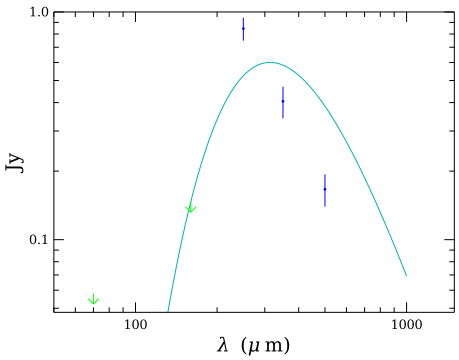
$R = \begin{cases} 31\farcs8 \\ 26\farcs1 \\ 1.90 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\mathrm{BE}} = (2.59) \cdot 10^{-1}\, M_{\odot}$

# Source no. 25

# HGBS-J160120.7-422003




Physical properties of the source

$T = 9.24^{+0.36}_{-0.29}$ K

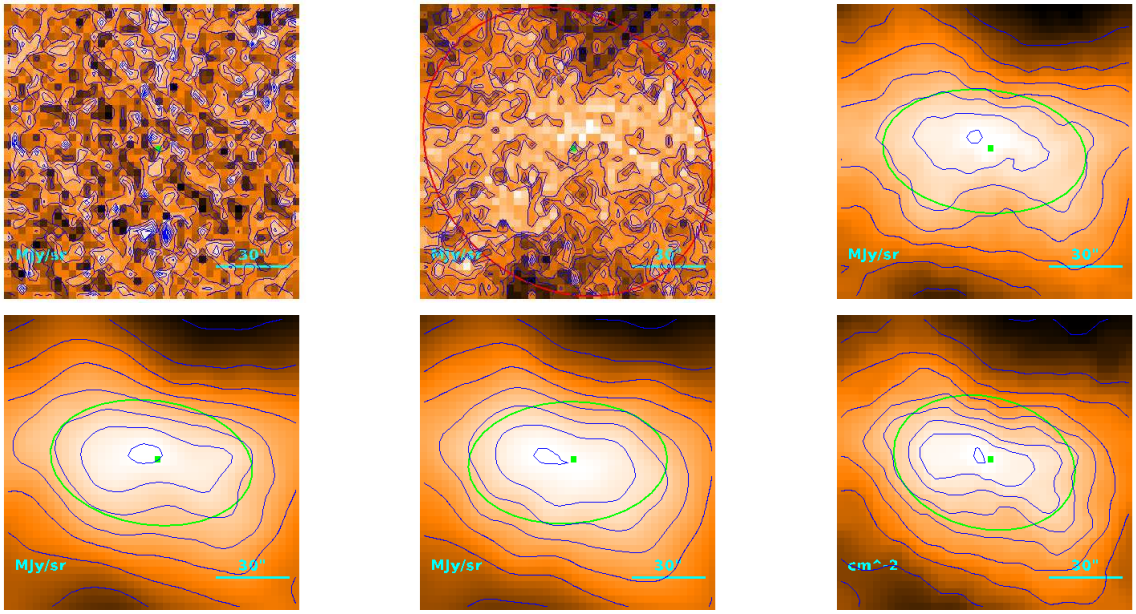
$M = (7.8 \pm 2.4) \cdot 10^{-2}\, M_{\odot}$

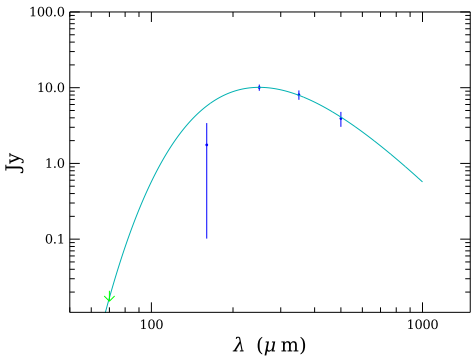
$R = \begin{cases} 40\farcs0 \\ 35\farcs6 \\ 2.59 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.93) \cdot 10^{-1}\, M_{\odot}$

# Source no. 26

# HGBS-J160122.3-414754




Physical properties of the source

$T = 11.60^{+0.06}_{-0.05}$ K

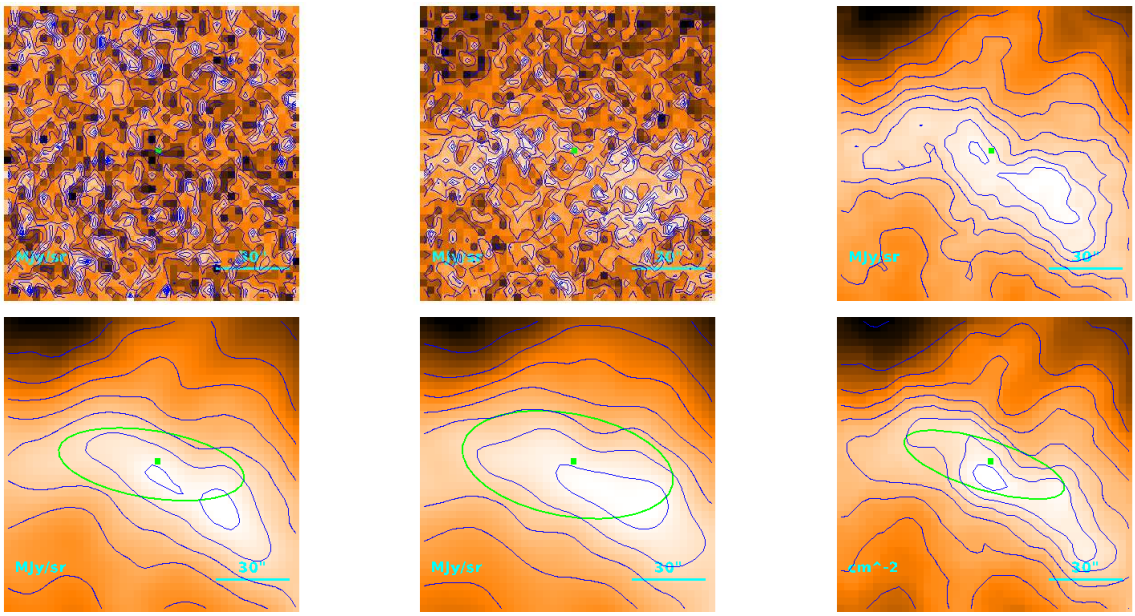
$M = (4.21 \pm 0.32) \cdot 10^{-1}\, M_{\odot}$

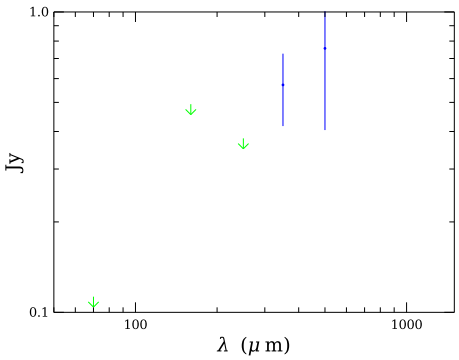
$R = \begin{cases} 65\farcs0 \\ 62\farcs4 \\ 4.54 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (8.65) \cdot 10^{-1}\, M_{\odot}$

# Source no. 27

# HGBS-J160123.6-420134




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

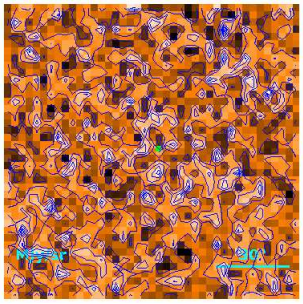
$M = \left(7.7^{+2.2}_{-1.5}\right) \cdot 10^{-2}\, M_{\odot}$

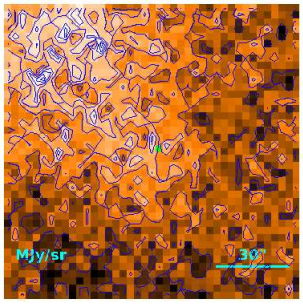
$$R = \begin{cases} 38\farcs3 \\ 33\farcs7 \\ 2.45 \cdot 10^{-2} \text{ pc} \end{cases}$$

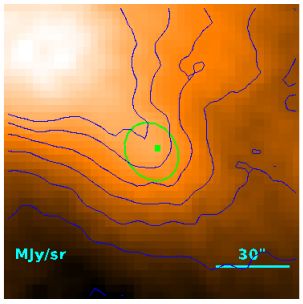
$M_{\rm BE} = (4.67) \cdot 10^{-1}\, M_{\odot}$

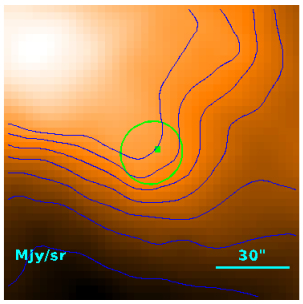
# Source no. 28

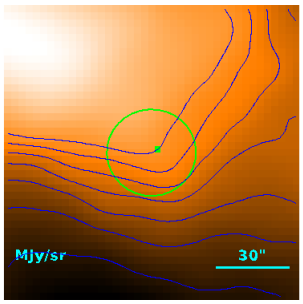
# HGBS-J160126.0-415304

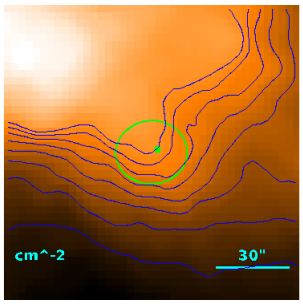


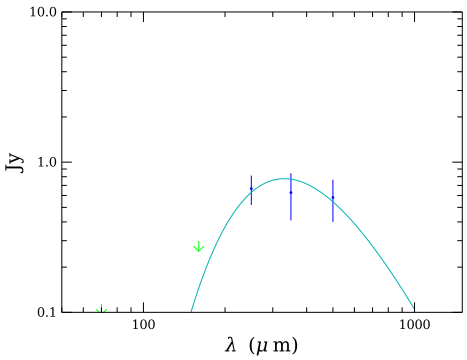




Physical properties of the source

$T = 8.76^{+0.50}_{-0.46}$ K

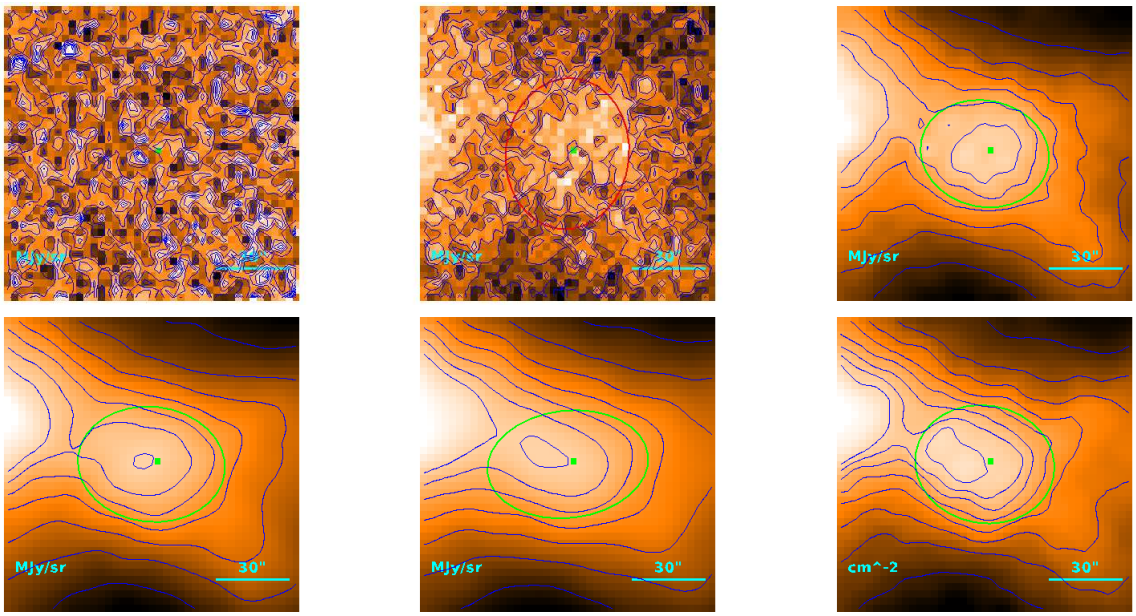
$M = \left(1.31^{+0.38}_{-0.30}\right) \cdot 10^{-1}\, M_{\odot}$

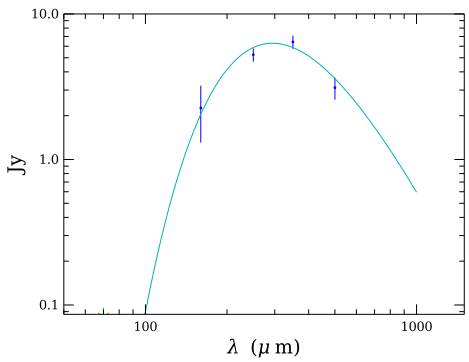
$R = \begin{cases} 28\farcs2 \\ 21\farcs5 \\ 1.57 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (2.26) \cdot 10^{-1}\, M_{\odot}$

# Source no. 29

# HGBS-J160130.1-415222




Physical properties of the source

$T = 9.85^{+0.09}_{-0.10}$ K

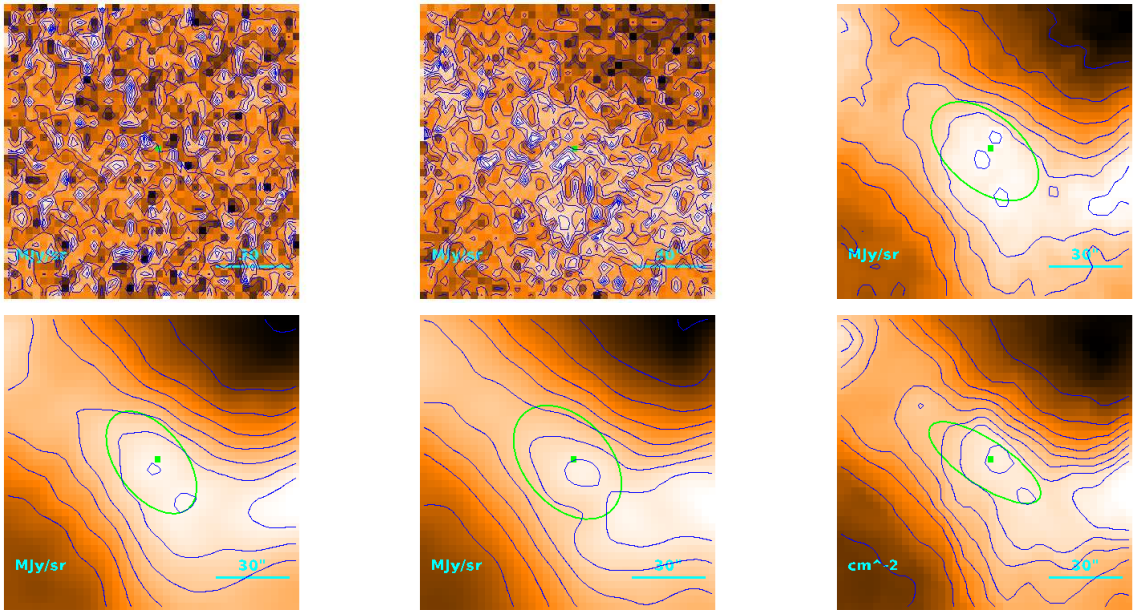
$M = (5.94 \pm 0.41) \cdot 10^{-1}\, M_{\odot}$

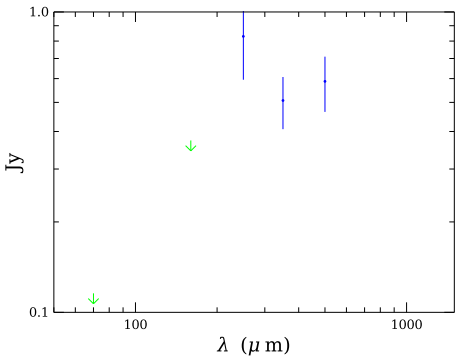
$R = \begin{cases} 53\farcs6 \\ 50\farcs4 \\ 3.67 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (5.94) \cdot 10^{-1}\, M_{\odot}$

# Source no. 30

# HGBS-J160131.9-420118




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

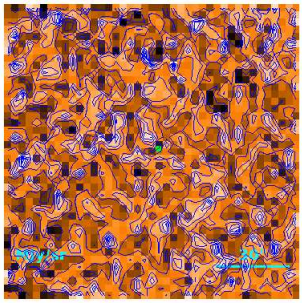
$M = \left(6.0^{+1.7}_{-1.2}\right) \cdot 10^{-2}\, M_{\odot}$

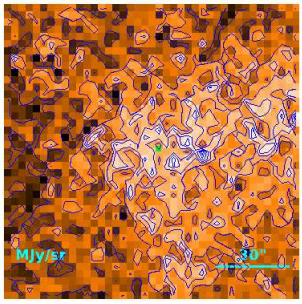
$$R = \begin{cases} 32\farcs4 \\ 26\farcs8 \\ 1.95 \cdot 10^{-2} \text{ pc} \end{cases}$$

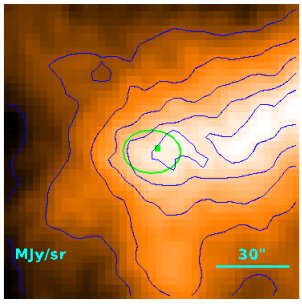
$M_{\rm BE} = (3.72) \cdot 10^{-1}\, M_{\odot}$

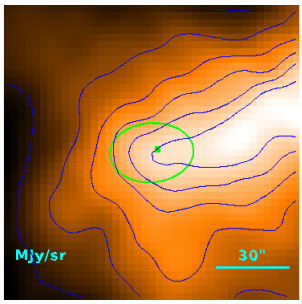
# Source no. 31

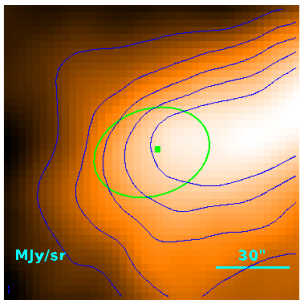
# HGBS-J160136.6-414816

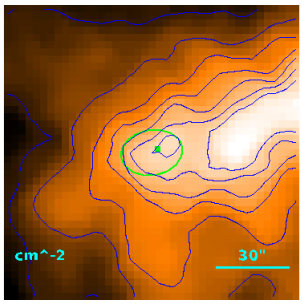


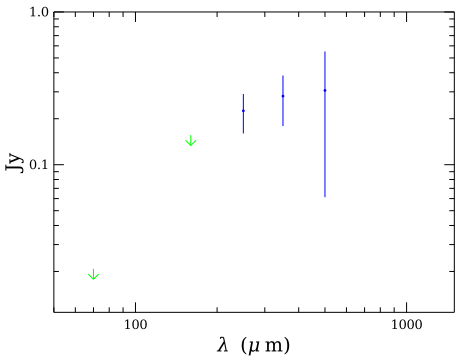




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

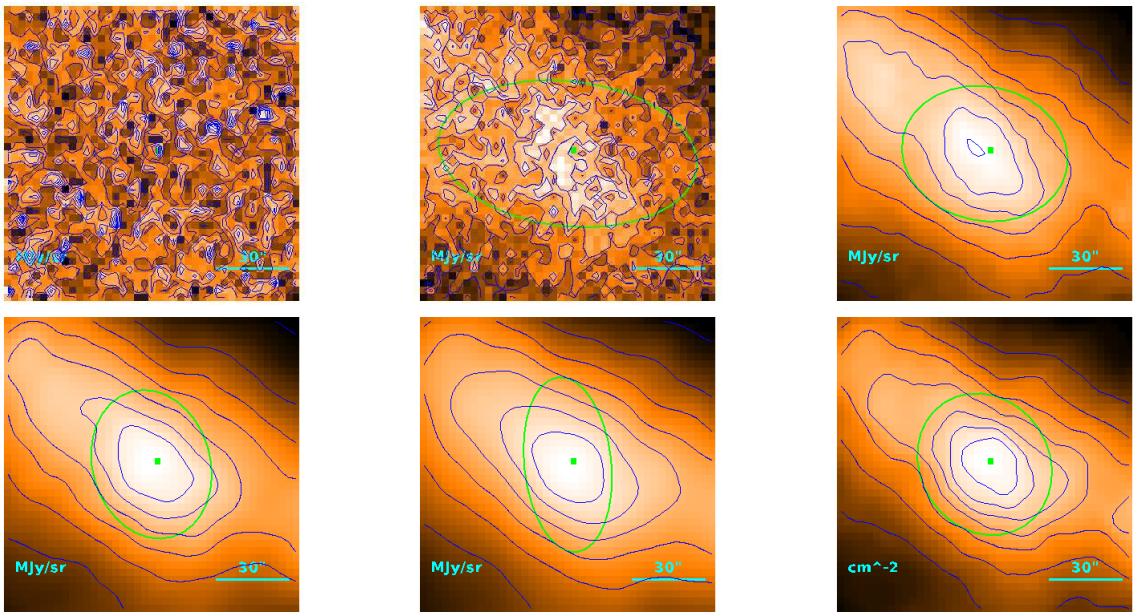
$M = \left(3.15^{+0.90}_{-0.61}\right) \cdot 10^{-2}\, M_{\odot}$

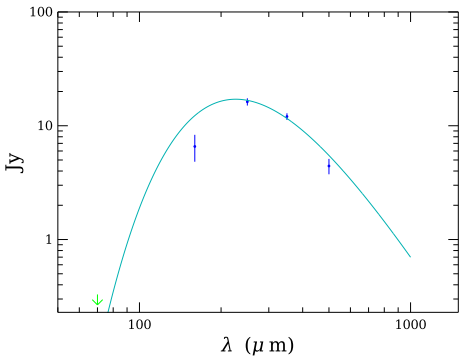
$R = \begin{cases} 22\farcs1 \\ 12\farcs5 \\ 9.12 \cdot 10^{-3} \text{ pc} \end{cases}$

$M_{\rm BE} = (1.74) \cdot 10^{-1}\, M_{\odot}$

# Source no. 32

# HGBS-J160137.3-415155




Physical properties of the source

$T = 12.79 \pm 0.07$ K

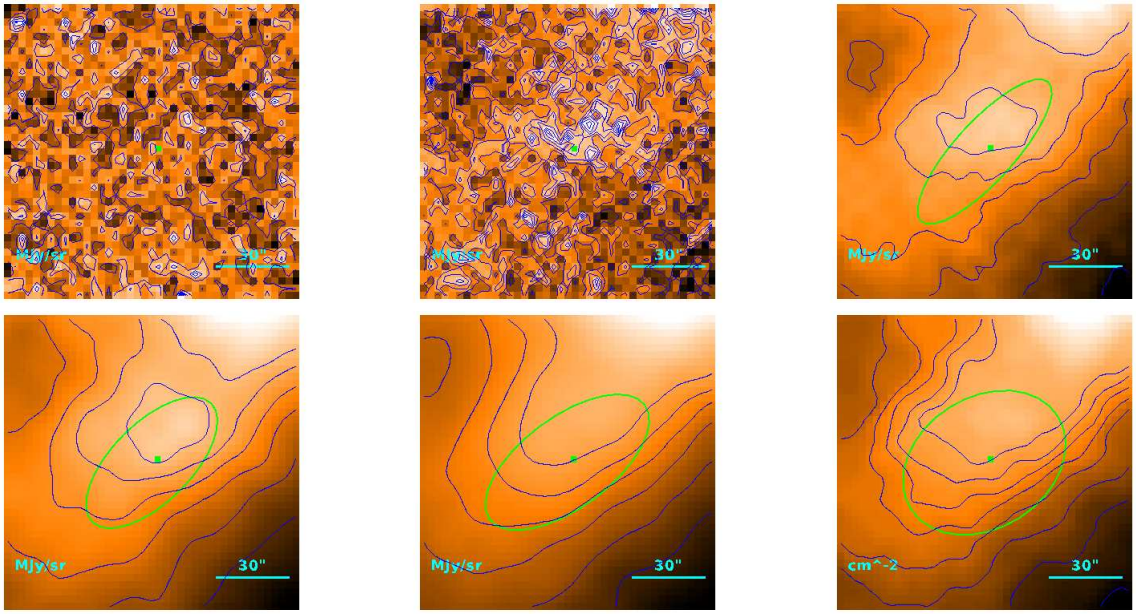
$M = (4.37 \pm 0.20) \cdot 10^{-1}\, M_\odot$

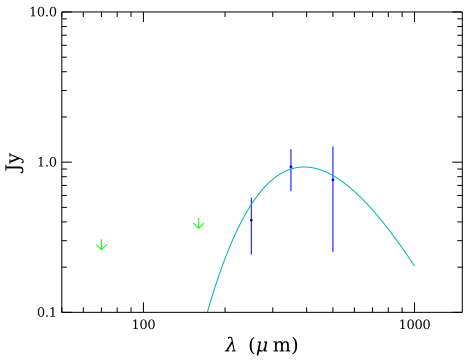
$$R = \begin{cases} 57\farcs5 \\ 54\farcs5 \\ 3.97 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (8.34) \cdot 10^{-1}\, M_\odot$

# Source no. 33

# HGBS-J160139.4-415347




Physical properties of the source

$T = 7.40^{+0.54}_{-0.47}$ K

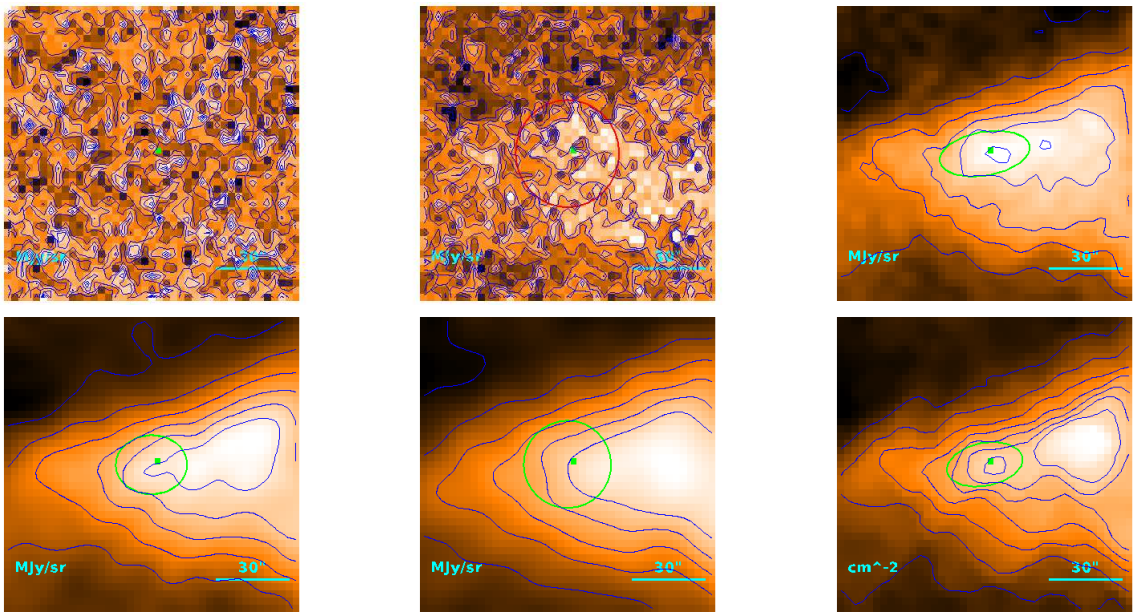
$M = \left(3.6^{+1.6}_{-1.1}\right) \cdot 10^{-1}\, M_{\odot}$

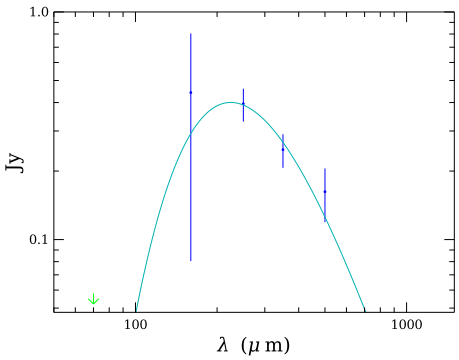
$R = \begin{cases} 62\farcs9 \\ 60\farcs2 \\ 4.38 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (5.33) \cdot 10^{-1}\, M_{\odot}$

# Source no. 34

# HGBS-J160141.3-420035




Physical properties of the source

$T = 12.9^{+2.7}_{-1.7}$ K

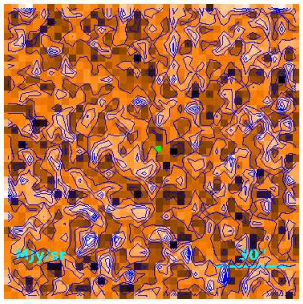
$M = \left(9.8^{+8.0}_{-5.0}\right) \cdot 10^{-3}\, M_{\odot}$

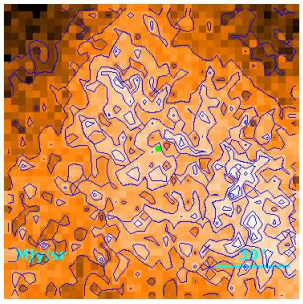
$R = \begin{cases} 24\farcs1 \\ 15\farcs8 \\ 1.15 \cdot 10^{-2} \text{ pc} \end{cases}$

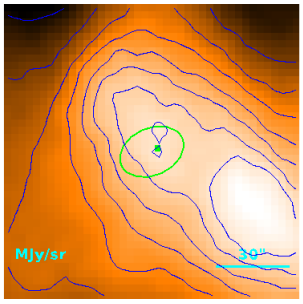
$M_{\rm BE} = (2.44) \cdot 10^{-1}\, M_{\odot}$

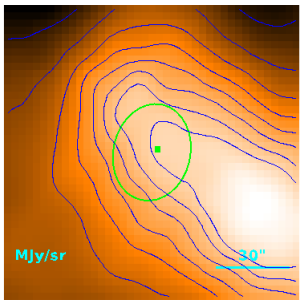
# Source no. 35

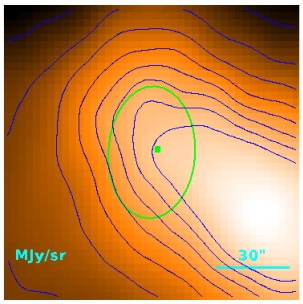
# HGBS-J160141.4-415132

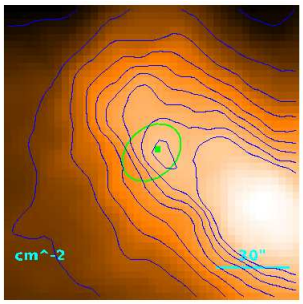


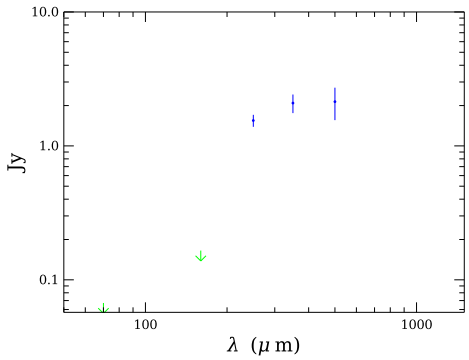




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

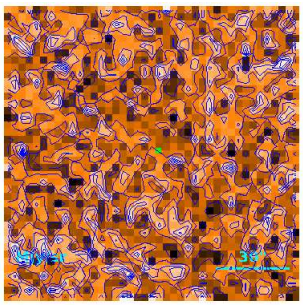
$M = \left(2.20^{+0.63}_{-0.42}\right) \cdot 10^{-1}\, M_{\odot}$

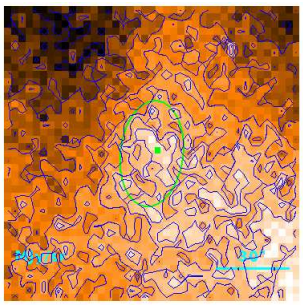
$$R = \begin{cases} 23\farcs7 \\ 15\farcs2 \\ 1.10 \cdot 10^{-2} \text{ pc} \end{cases}$$

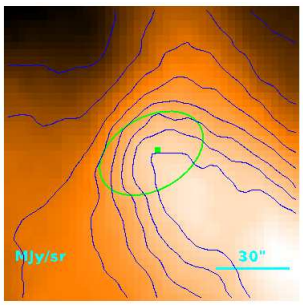
$M_{\rm BE} = (2.10) \cdot 10^{-1}\, M_{\odot}$

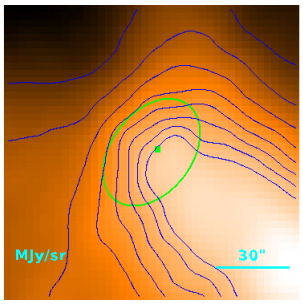
# Source no. 36

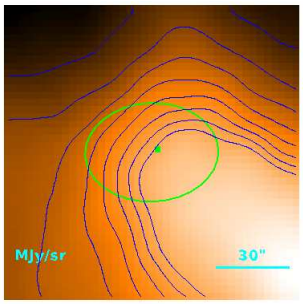
# HGBS-J160142.8-415108

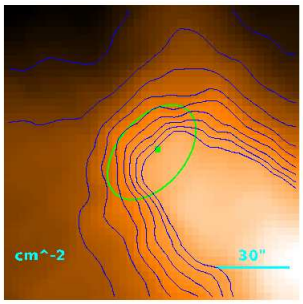


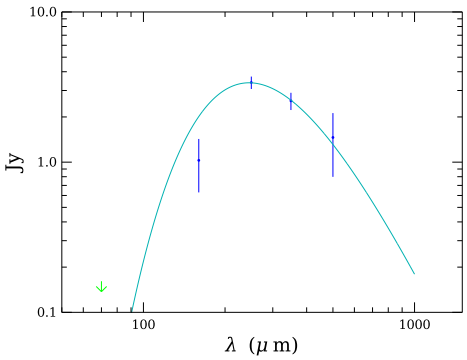





Physical properties of the source

$T = 11.81 \pm 0.11$ K

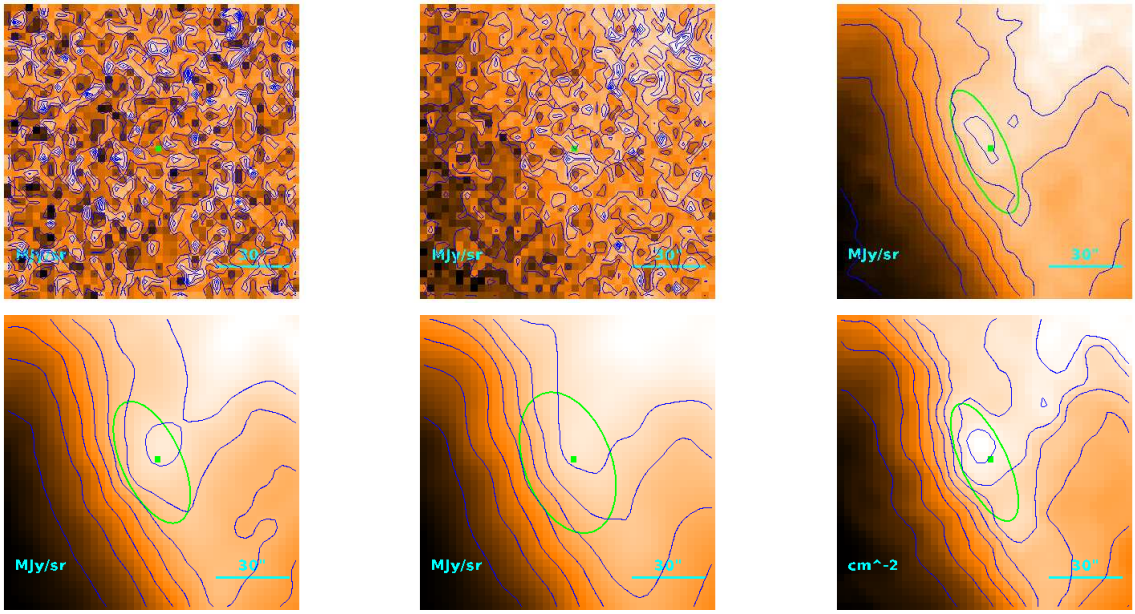
$M = (1.287 \pm 0.097) \cdot 10^{-1}\, M_\odot$

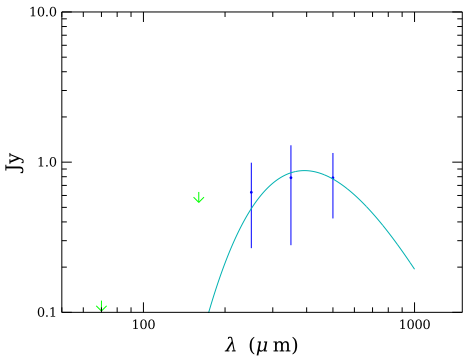
$$R = \begin{cases} 36\farcs2 \\ 31\farcs3 \\ 2.28 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (4.42) \cdot 10^{-1}\, M_\odot$

# Source no. 37

# HGBS-J160150.7-415446




Physical properties of the source

$T = 7.38^{+0.55}_{-0.52}$ K

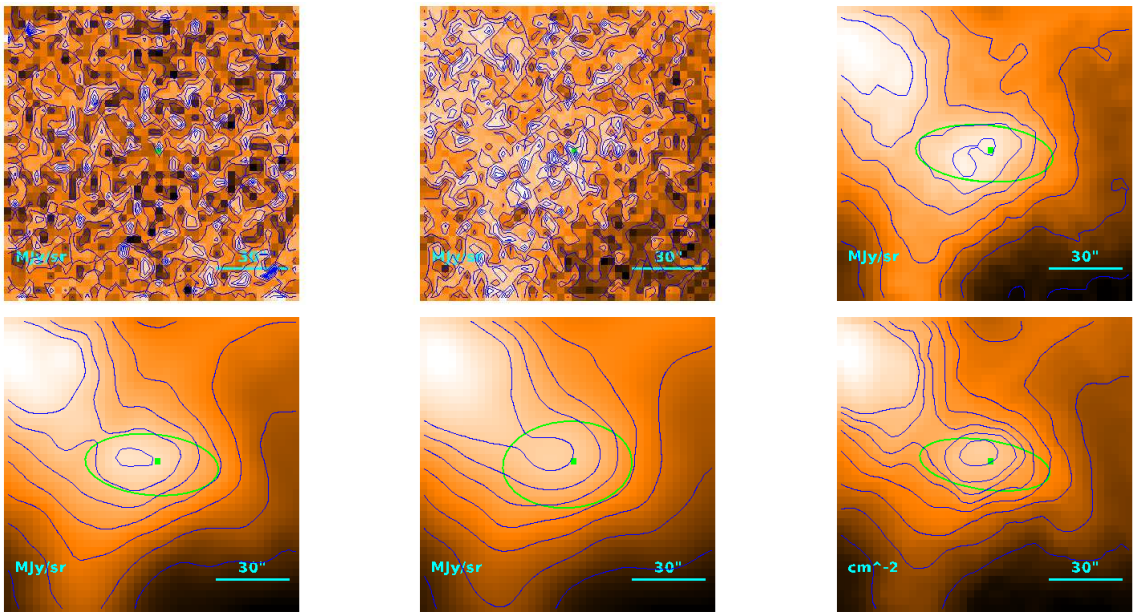
$M = \left(3.5^{+1.4}_{-1.0}\right) \cdot 10^{-1}\, M_{\odot}$

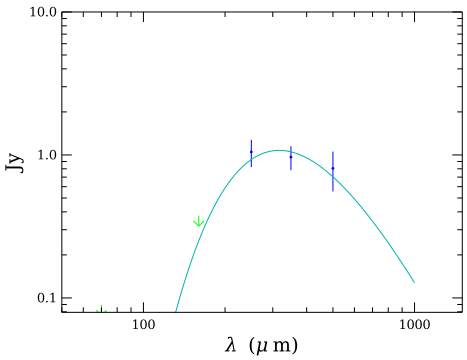
$$R = \begin{cases} 32\farcs3 \\ 26\farcs7 \\ 1.94 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\mathrm{BE}} = (2.35) \cdot 10^{-1}\, M_{\odot}$

# Source no. 38

# HGBS-J160152.7-415810




Physical properties of the source

$T = 9.15^{+0.49}_{-0.44}$ K

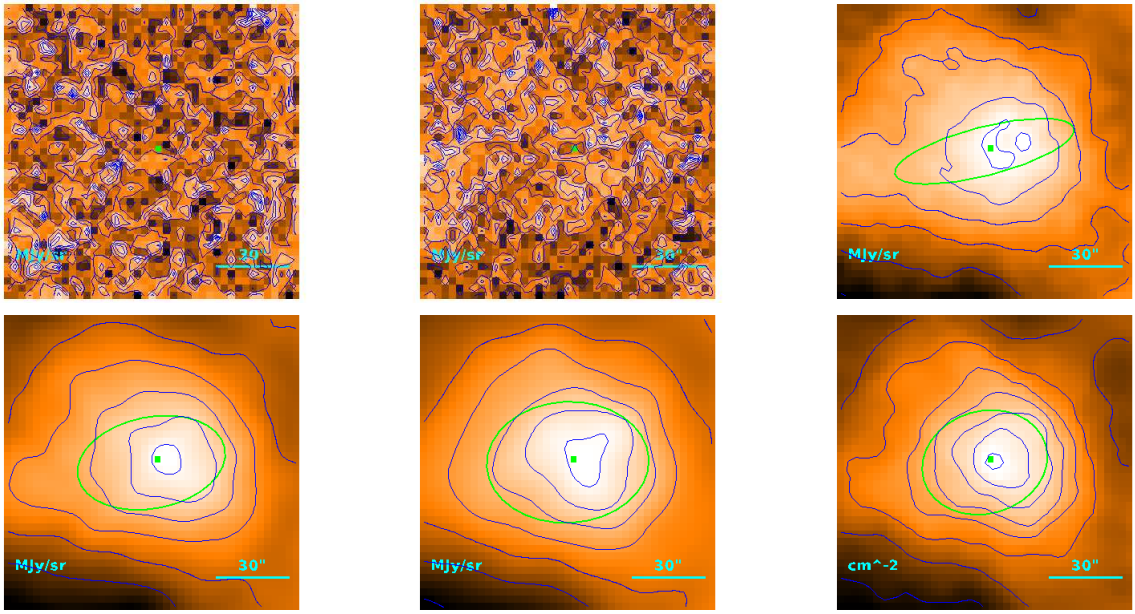
$M = \left(1.46^{+0.37}_{-0.30}\right) \cdot 10^{-1}\, M_{\odot}$

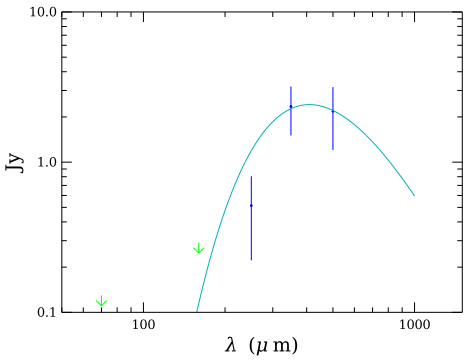
$R = \begin{cases} 33\farcs9 \\ 28\farcs6 \\ 2.08 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.13) \cdot 10^{-1}\, M_{\odot}$

# Source no. 39

# HGBS-J160154.8-415246




Physical properties of the source

$T = 7.08^{+0.18}_{-0.17}$ K

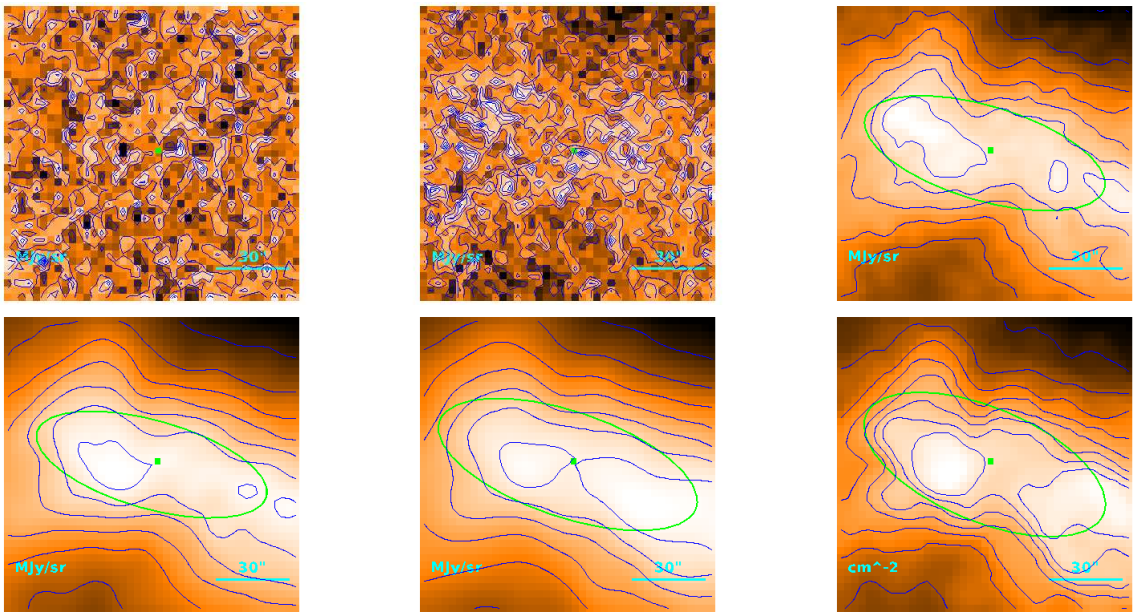
$M = 1.18 \pm 0.34\, M_\odot$

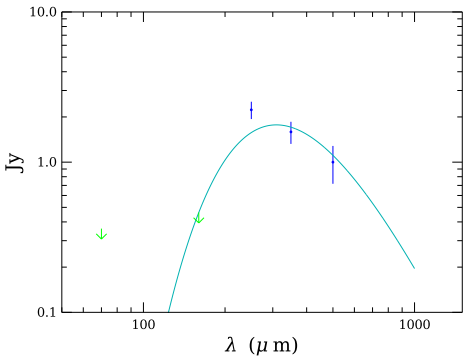
$$R = \begin{cases} 47\farcs6 \\ 44\farcs0 \\ 3.20 \cdot 10^{-2}\ \mathrm{pc} \end{cases}$$

$M_{\mathrm{BE}} = (3.72) \cdot 10^{-1}\, M_\odot$

# Source no. 40

# HGBS-J160157.8-414636




Physical properties of the source

$T = 9.37^{+0.10}_{-0.11}$ K

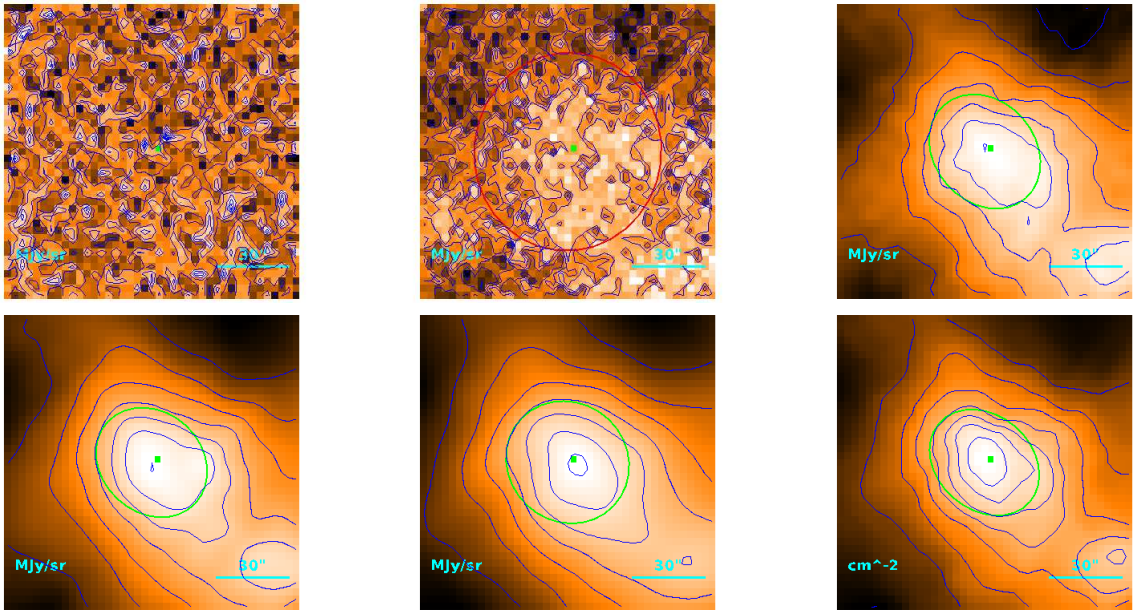
$M = (2.14 \pm 0.23) \cdot 10^{-1}\, M_{\odot}$

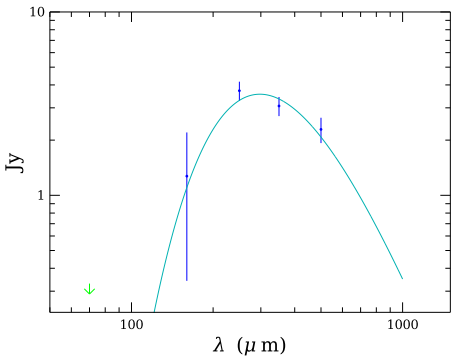
$R = \begin{cases} 71\farcs4 \\ 69\farcs0 \\ 5.02 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (7.73) \cdot 10^{-1}\, M_{\odot}$

# Source no. 41

# HGBS-J160158.0-415724




Physical properties of the source

$T = 9.74^{+0.17}_{-0.16}$ K

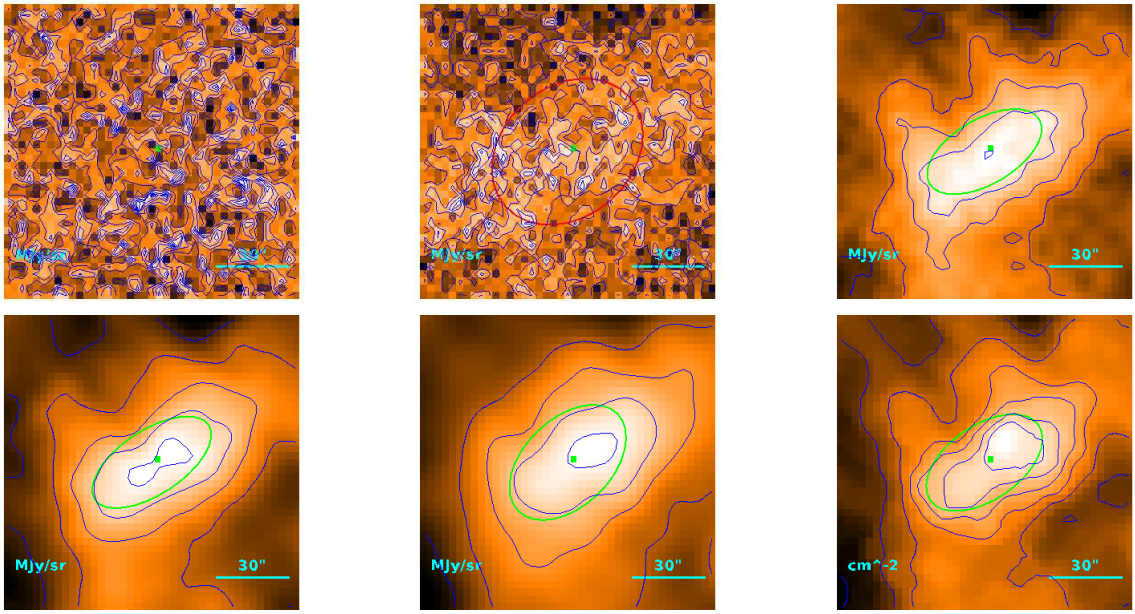
$M = (3.55 \pm 0.27) \cdot 10^{-1}\, M_{\odot}$

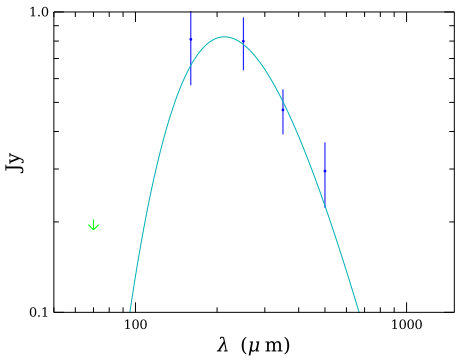
$$R = \begin{cases} 44\farcs4 \\ 40\farcs5 \\ 2.95 \cdot 10^{-2}\ \mathrm{pc} \end{cases}$$

$M_{\mathrm{BE}} = (4.71) \cdot 10^{-1}\, M_{\odot}$

# Source no. 42

# HGBS-J160212.5-415756




Physical properties of the source

$T = 13.6^{+1.9}_{-1.4}$ K

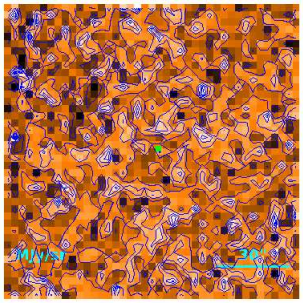
$M = \left(1.55^{+0.82}_{-0.57}\right) \cdot 10^{-2}\, M_{\odot}$

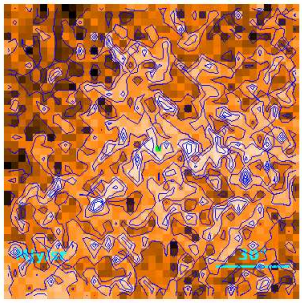
$$R = \begin{cases} 41\farcs3 \\ 37\farcs1 \\ 2.70 \cdot 10^{-2} \text{ pc} \end{cases}$$

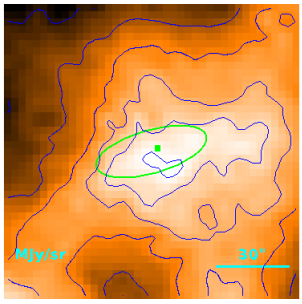
$M_{\rm BE} = (6.03) \cdot 10^{-1}\, M_{\odot}$

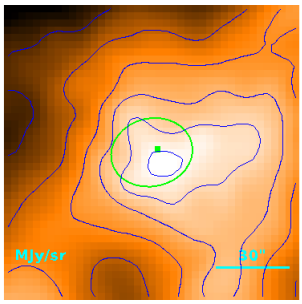
# Source no. 43

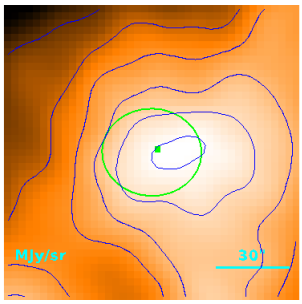
# HGBS-J160215.9-414833

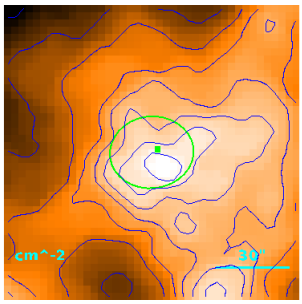


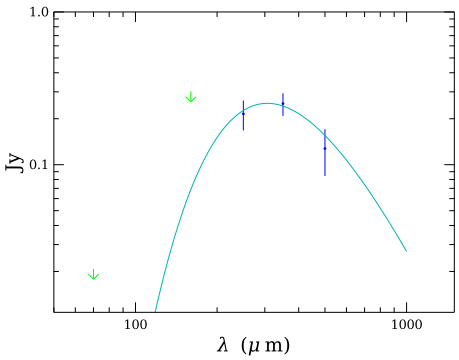




Physical properties of the source

$T = 9.5^{+1.5}_{-1.2}$ K

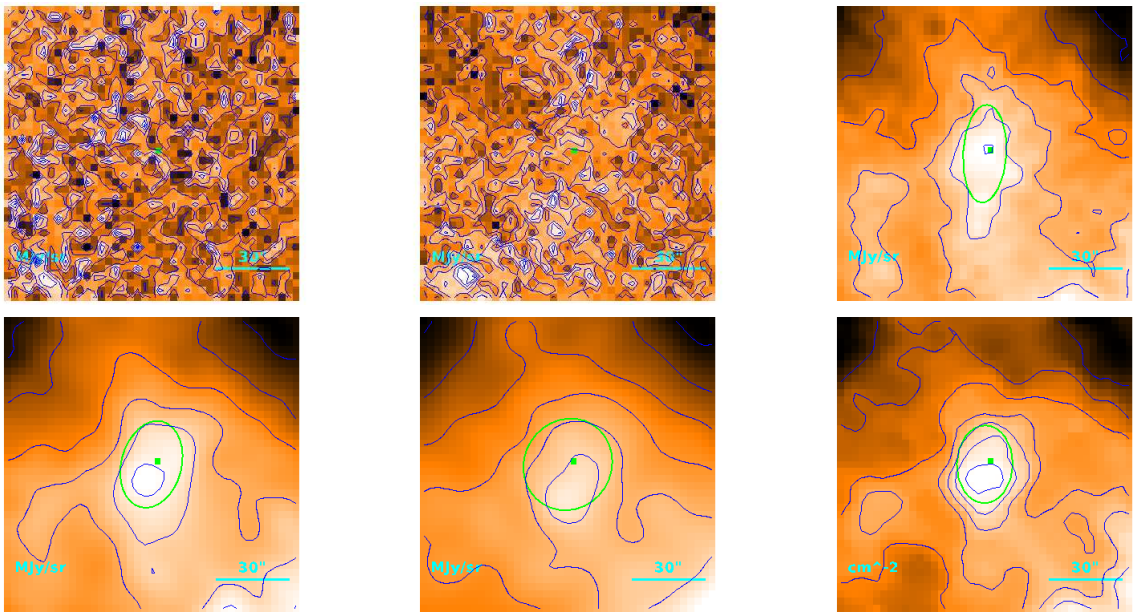
$M = \left(2.9^{+2.8}_{-1.4}\right) \cdot 10^{-2}\, M_{\odot}$

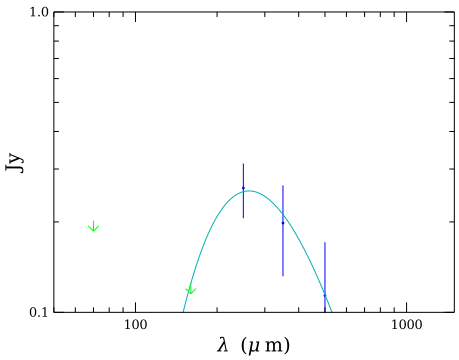
$R = \begin{cases} 32\farcs2 \\ 26\farcs6 \\ 1.93 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.00) \cdot 10^{-1}\, M_{\odot}$

# Source no. 44

# HGBS-J160218.7-415628




Physical properties of the source

$T = 11.1^{+0.5}_{-1.5}$ K

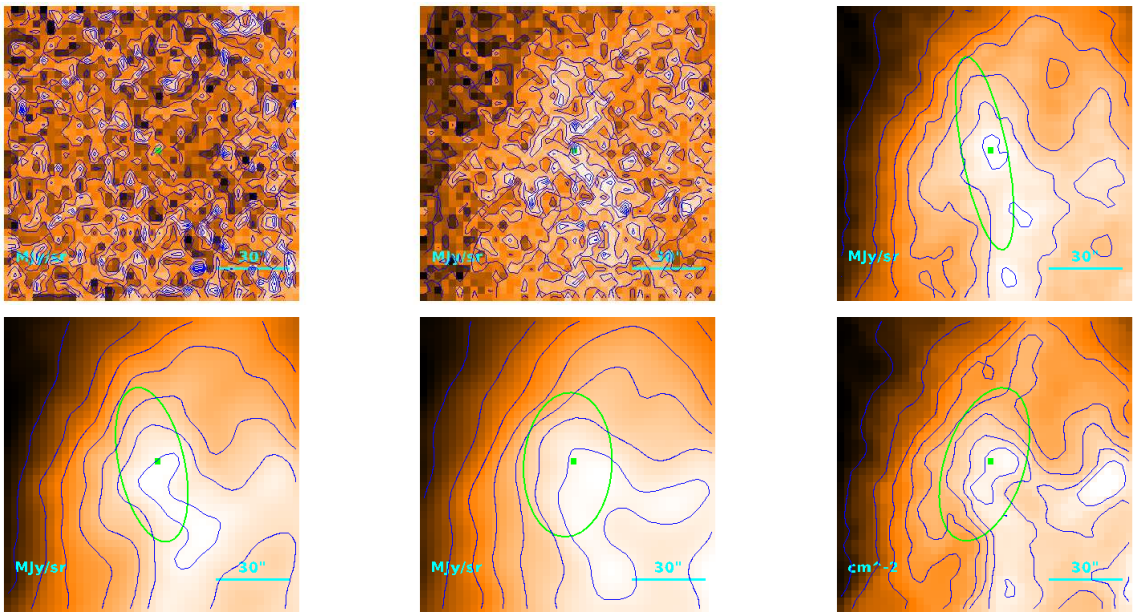
$M = \left(1.3^{+1.4}_{-0.4}\right) \cdot 10^{-2}\, M_{\odot}$

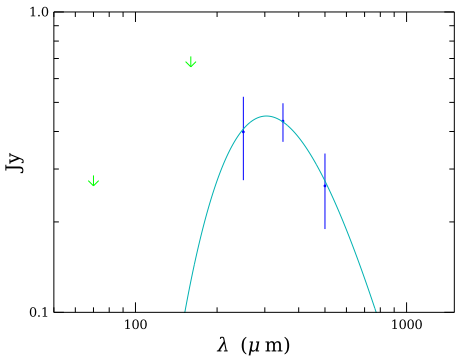
$R = \begin{cases} 27\farcs4 \\ 20\farcs5 \\ 1.49 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (2.71) \cdot 10^{-1}\, M_{\odot}$

# Source no. 45

# HGBS-J160223.5-415025




Physical properties of the source

$T = 9.53^{+0.76}_{-0.68}$ K

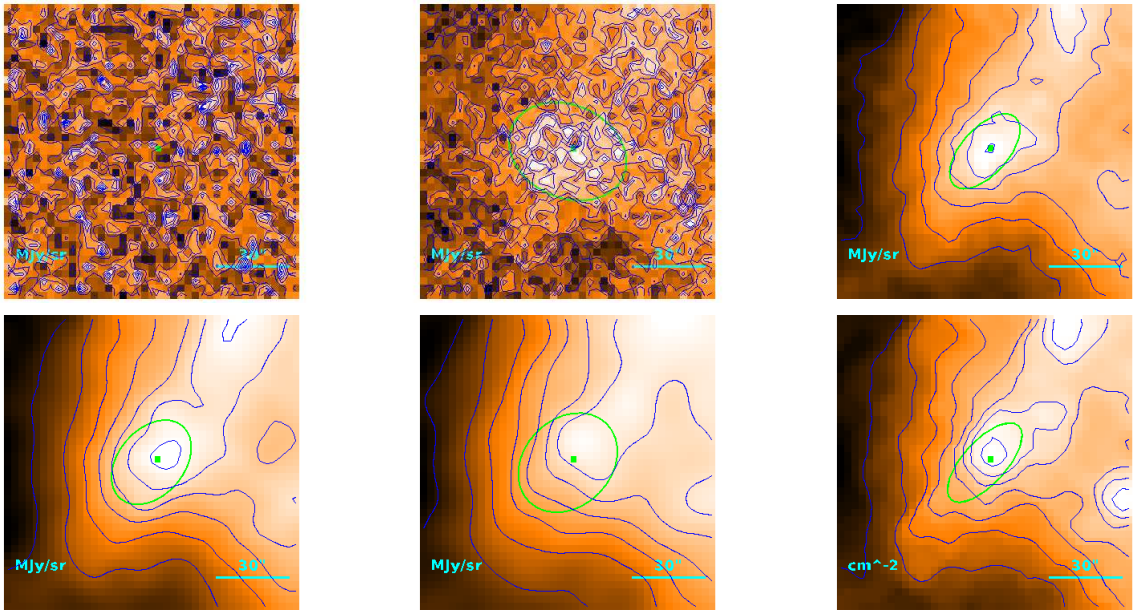
$M = \left(5.0^{+2.0}_{-1.4}\right) \cdot 10^{-2}\, M_{\odot}$

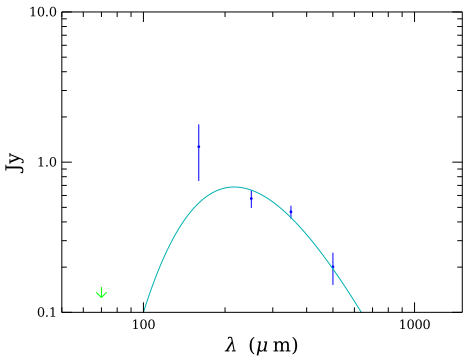
$R = \begin{cases} 46\farcs9 \\ 43\farcs2 \\ 3.14 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (4.92) \cdot 10^{-1}\, M_{\odot}$

# Source no. 46

# HGBS-J160225.5-415216




Physical properties of the source

$T = 13.4^{+2.1}_{-1.7}$ K

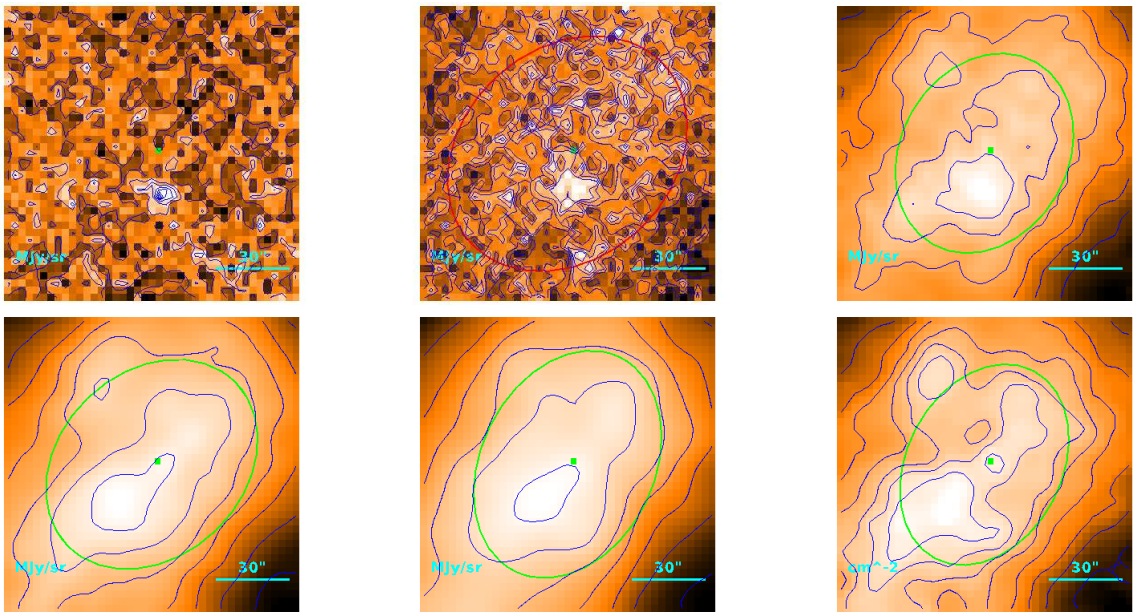
$M = \left(1.38^{+0.95}_{-0.57}\right) \cdot 10^{-2}\, M_{\odot}$

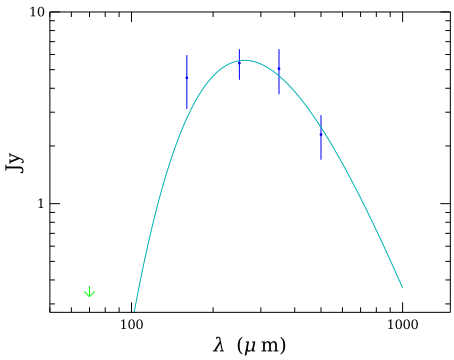
$$R = \begin{cases} 27\farcs6 \\ 20\farcs7 \\ 1.51 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (3.32) \cdot 10^{-1}\, M_{\odot}$

# Source no. 47

# HGBS-J160227.5-413926




Physical properties of the source

$T = 11.10^{+0.22}_{-0.21}$ K

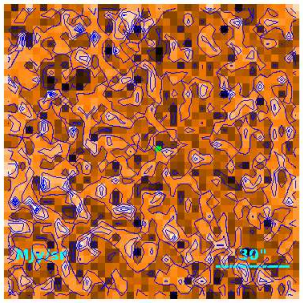
$M = (2.90 \pm 0.40) \cdot 10^{-1}\, M_{\odot}$

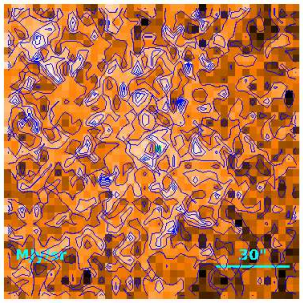
$R = \begin{cases} 75\farcs5 \\ 73\farcs3 \\ 5.33 \cdot 10^{-2} \text{ pc} \end{cases}$

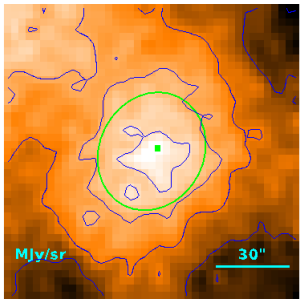
$M_{\rm BE} = (9.72) \cdot 10^{-1}\, M_{\odot}$

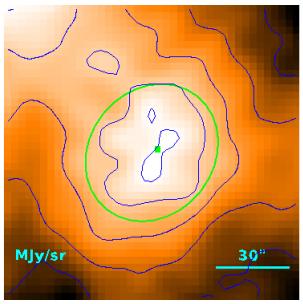
# Source no. 48

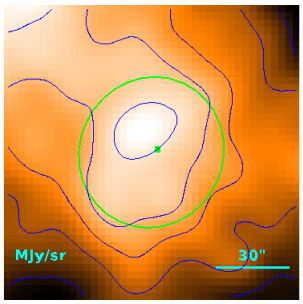
# HGBS-J160242.1-421522

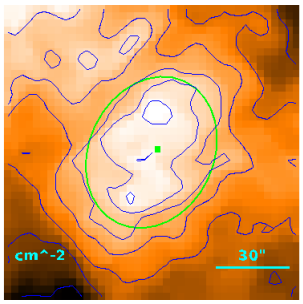


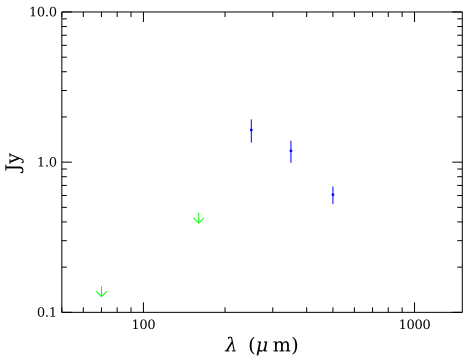




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

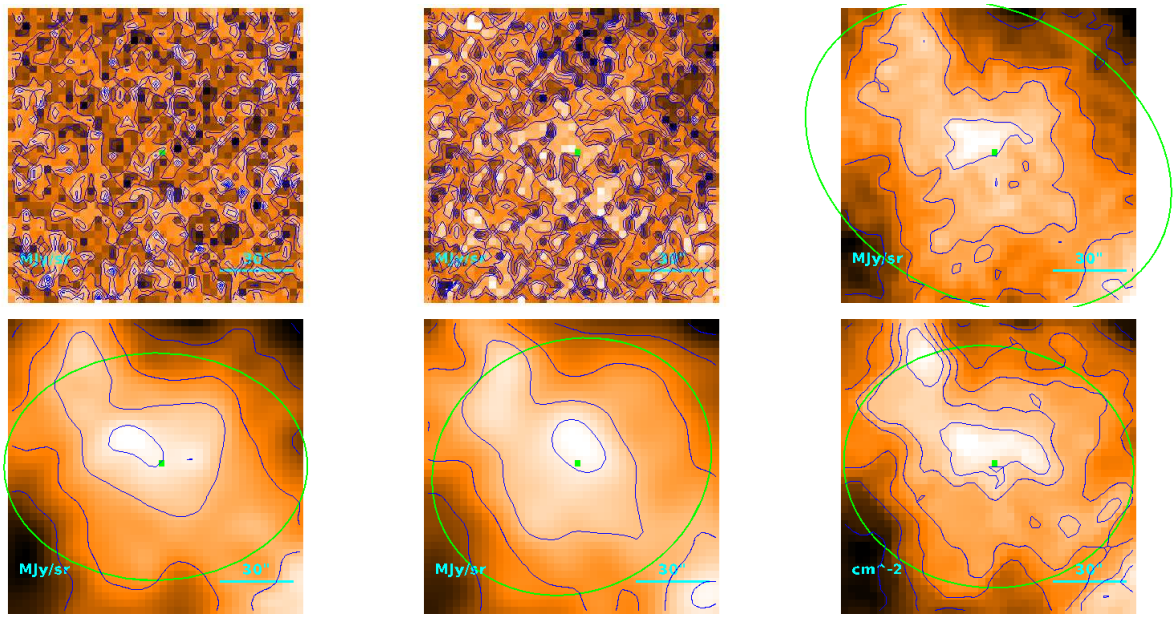
$M = \left(6.2^{+1.8}_{-1.2}\right) \cdot 10^{-2}\, M_{\odot}$

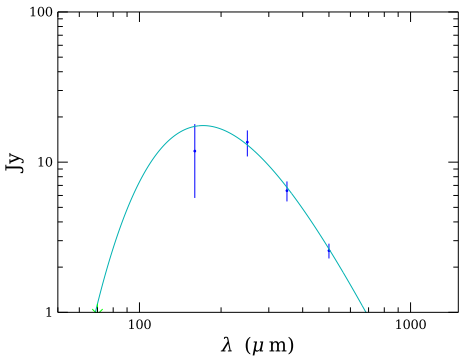
$R = \begin{cases} 58\farcs4 \\ 55\farcs5 \\ 4.04 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (7.69) \cdot 10^{-1}\, M_{\odot}$

# Source no. 49

# HGBS-J160247.4-421417




Physical properties of the source

$T = 16.88^{+0.03}_{-0.07}$ K

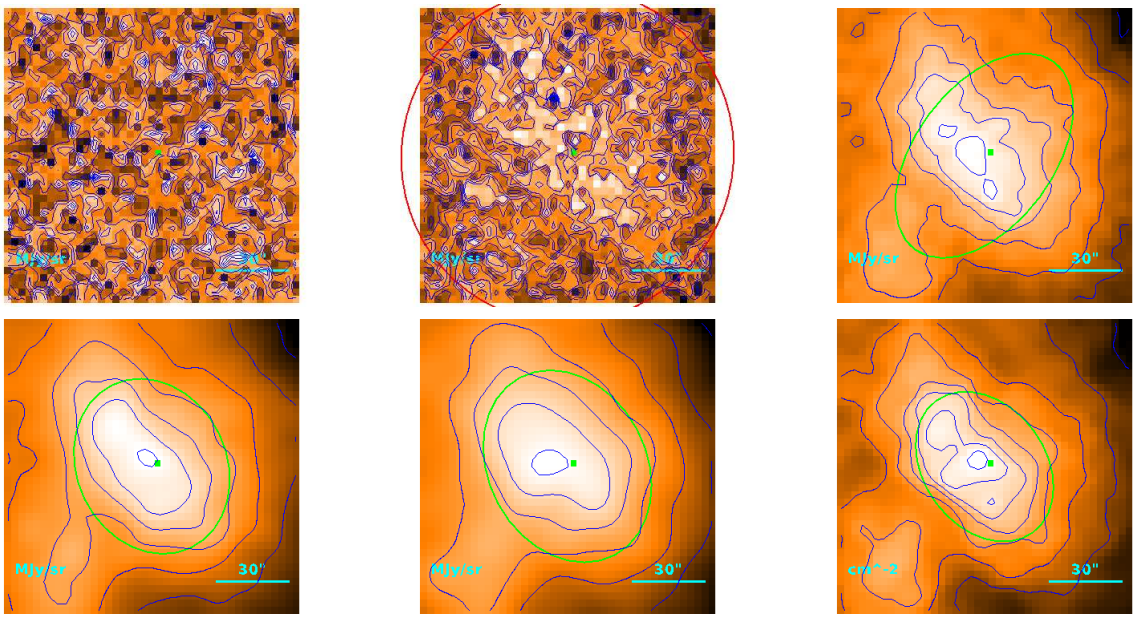
$M = (1.11 \pm 0.15) \cdot 10^{-1}\, M_\odot$

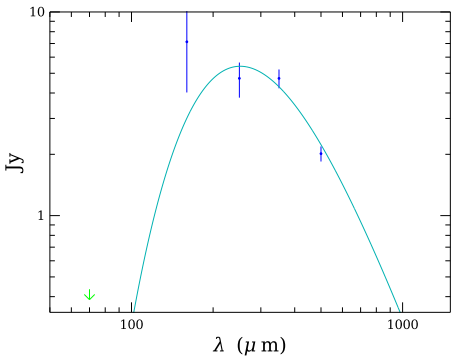
$R = \begin{cases} 110\farcs5 \\ 109\farcs0 \\ 7.93 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = 2.20\, M_\odot$

# Source no. 50

# HGBS-J160310.3-420811




Physical properties of the source

$T = 11.51^{+0.27}_{-0.25}$ K

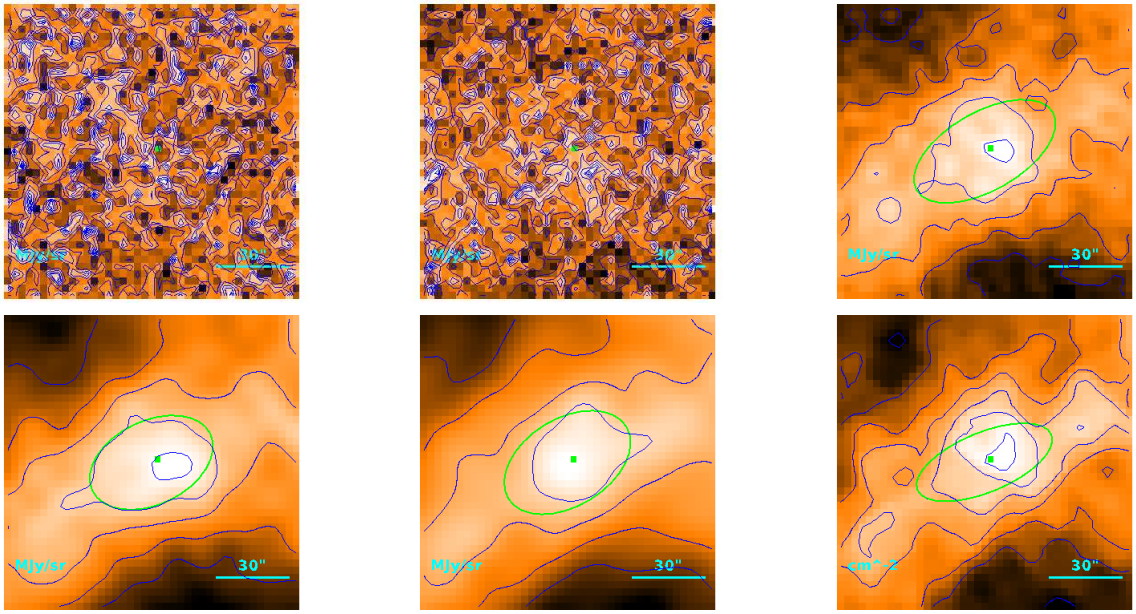
$M = \left(2.34^{+0.19}_{-0.18}\right) \cdot 10^{-1}\, M_{\odot}$

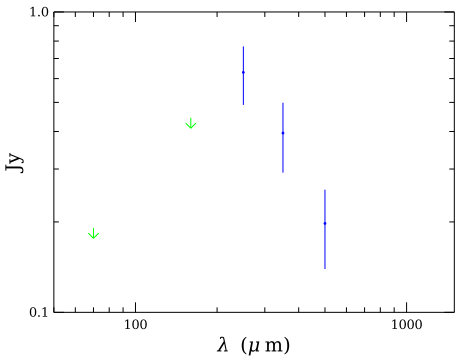
$$R = \begin{cases} 58\farcs7 \\ 55\farcs8 \\ 4.06 \cdot 10^{-2}\ \mathrm{pc} \end{cases}$$

$M_{\mathrm{BE}} = (7.68) \cdot 10^{-1}\, M_{\odot}$

# Source no. 51

# HGBS-J160327.6-420741




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

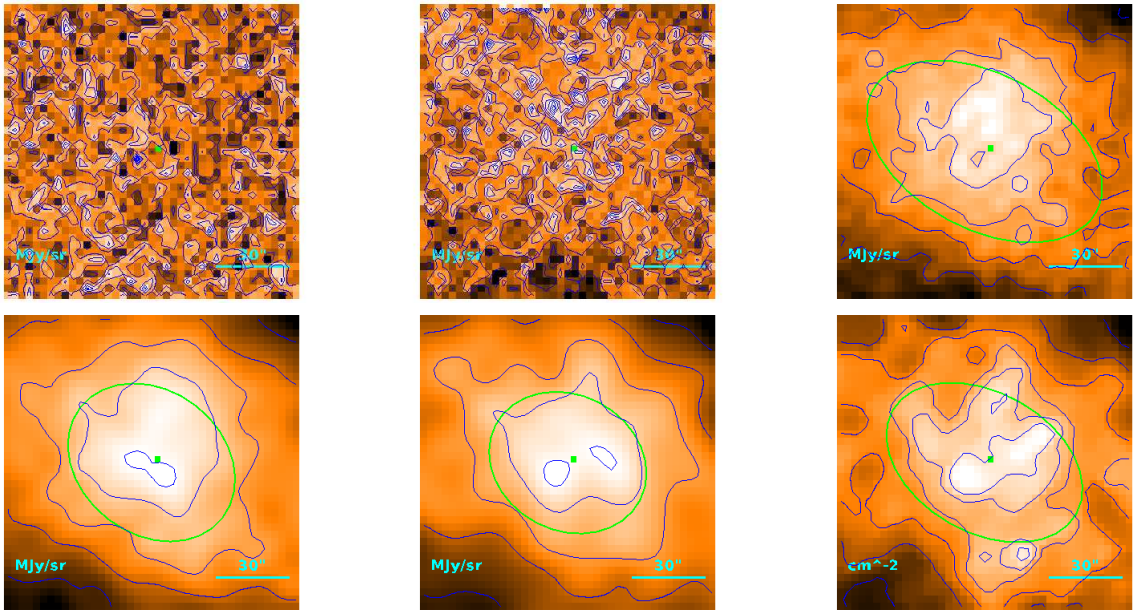
$M = \left(2.03^{+0.58}_{-0.39}\right) \cdot 10^{-2}\, M_{\odot}$

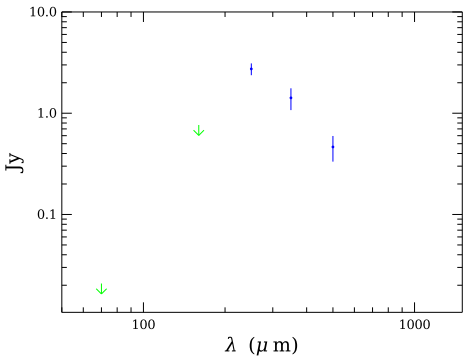
$$R = \begin{cases} 38\farcs7 \\ 34\farcs2 \\ 2.48 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (4.74) \cdot 10^{-1}\, M_{\odot}$

# Source no. 52

# HGBS-J160330.3-414405




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

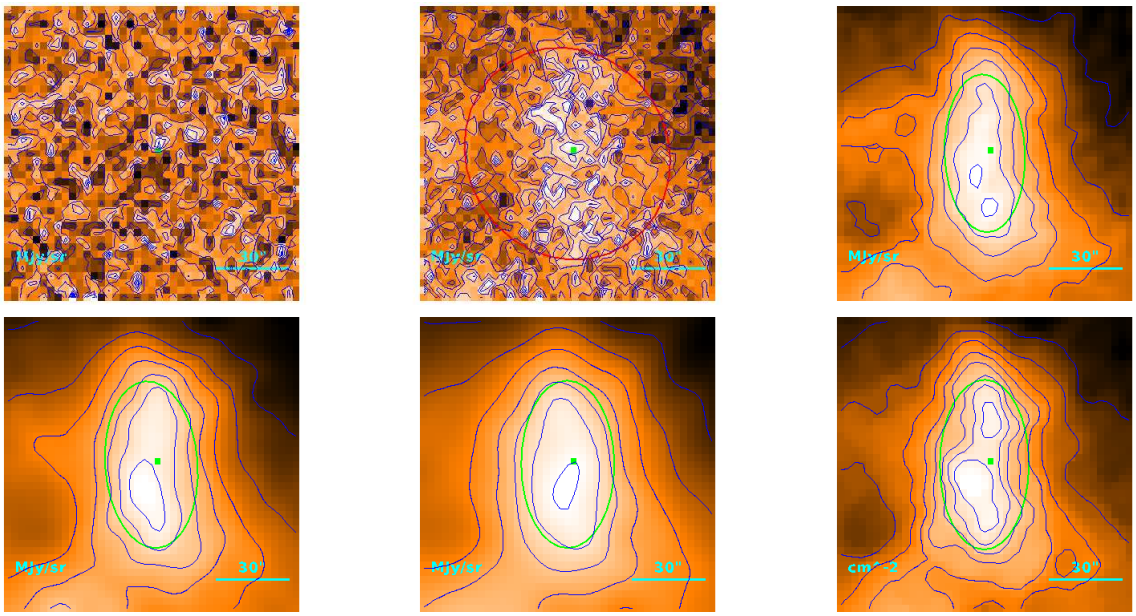
$M = \left(4.7^{+1.4}_{-0.9}\right) \cdot 10^{-2}\, M_{\odot}$

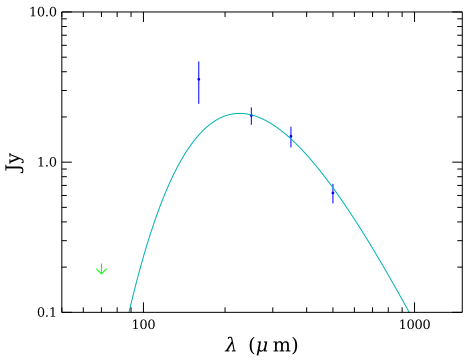
$$R = \begin{cases} 71\farcs6 \\ 69\farcs2 \\ 5.04 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (9.60) \cdot 10^{-1}\, M_{\odot}$

# Source no. 53

# HGBS-J160334.1-415903




Physical properties of the source

$T = 12.80^{+0.33}_{-0.31}$ K

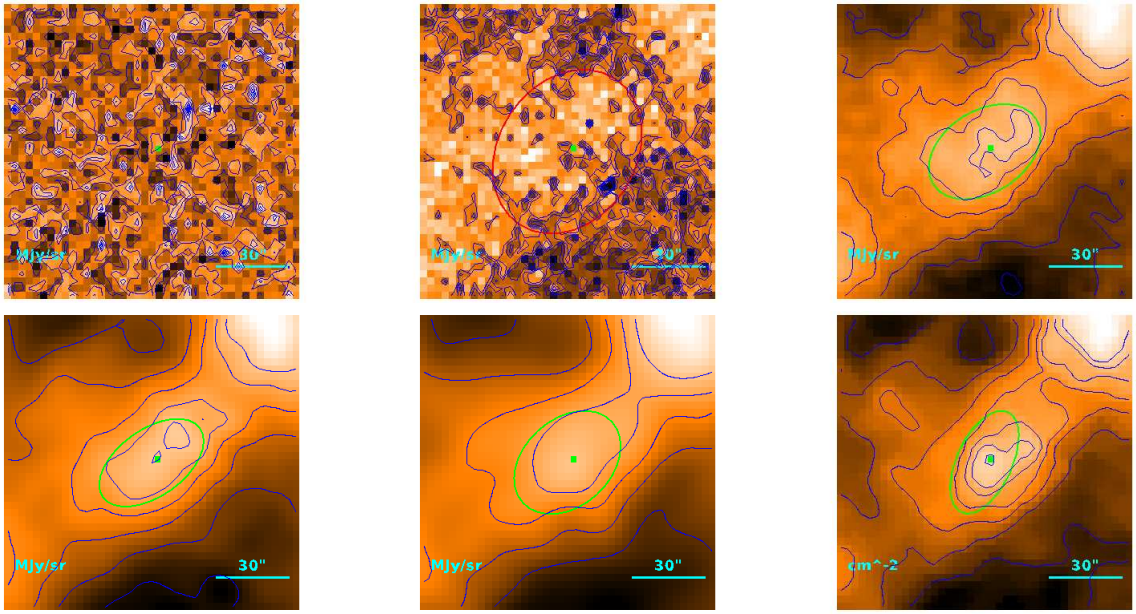
$M = \left(5.38^{+0.55}_{-0.51}\right) \cdot 10^{-2}\, M_{\odot}$

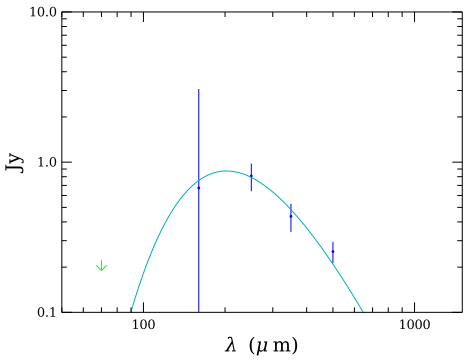
$R = \begin{cases} 51\farcs4 \\ 48\farcs1 \\ 3.50 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (7.35) \cdot 10^{-1}\, M_{\odot}$

# Source no. 54

# HGBS-J160338.2-420023




Physical properties of the source

$T = 14.3^{+2.2}_{-1.6}$ K

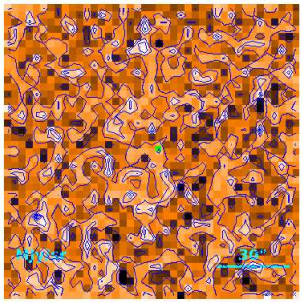
$M = \left(1.27^{+0.67}_{-0.48}\right) \cdot 10^{-2}\, M_{\odot}$

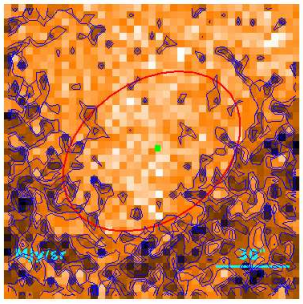
$R = \begin{cases} 32\farcs7 \\ 27\farcs2 \\ 1.98 \cdot 10^{-2} \text{ pc} \end{cases}$

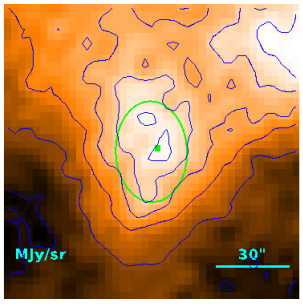
$M_{\rm BE} = (4.65) \cdot 10^{-1}\, M_{\odot}$

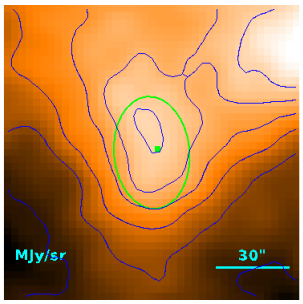
# Source no. 55

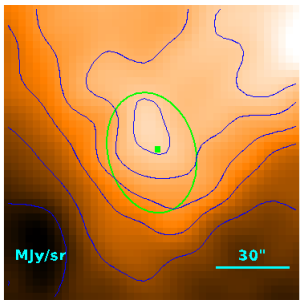
# HGBS-J160344.1-420111

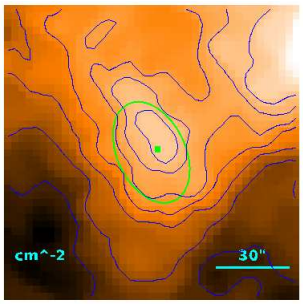


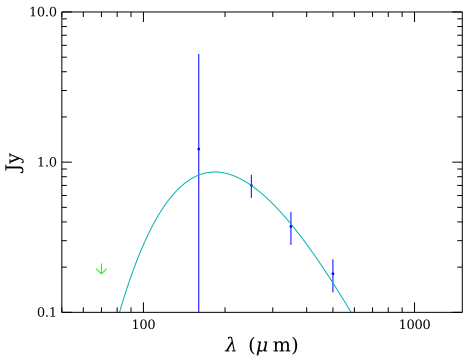





Physical properties of the source

$T = 15.8^{+2.8}_{-1.8}$ K

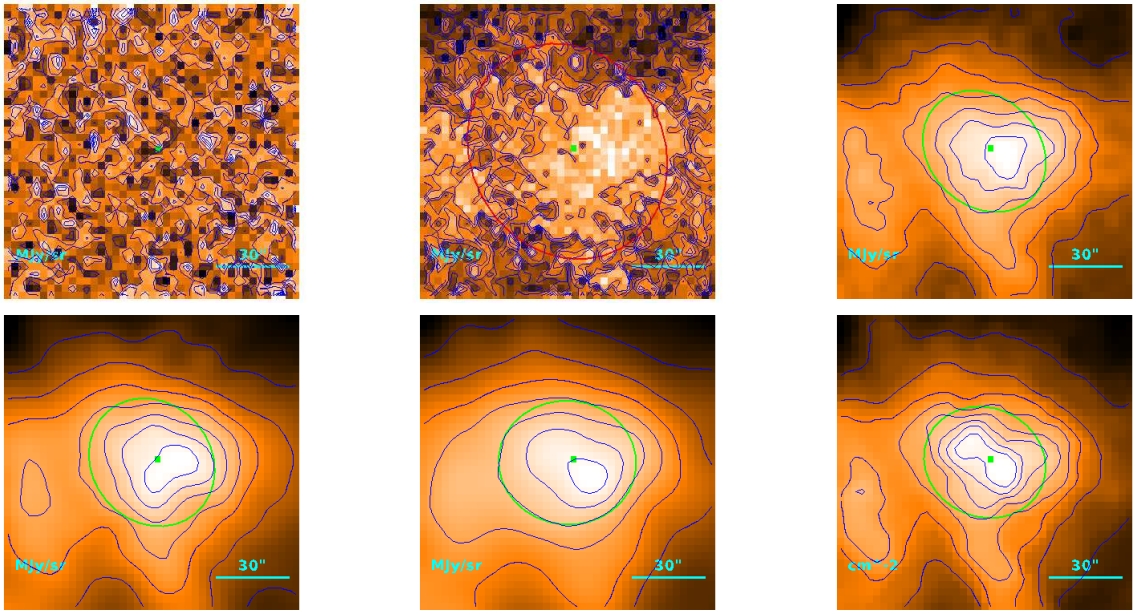
$M = \left(7.6^{+4.6}_{-3.3}\right) \cdot 10^{-3}\, M_\odot$

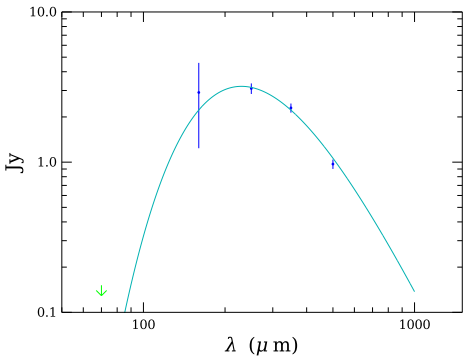
$R = \begin{cases} 35\farcs7 \\ 30\farcs7 \\ 2.23 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (5.80) \cdot 10^{-1}\, M_\odot$

# Source no. 56

# HGBS-J160404.5-415938




Physical properties of the source

$T = 12.60 \pm 0.18$ K

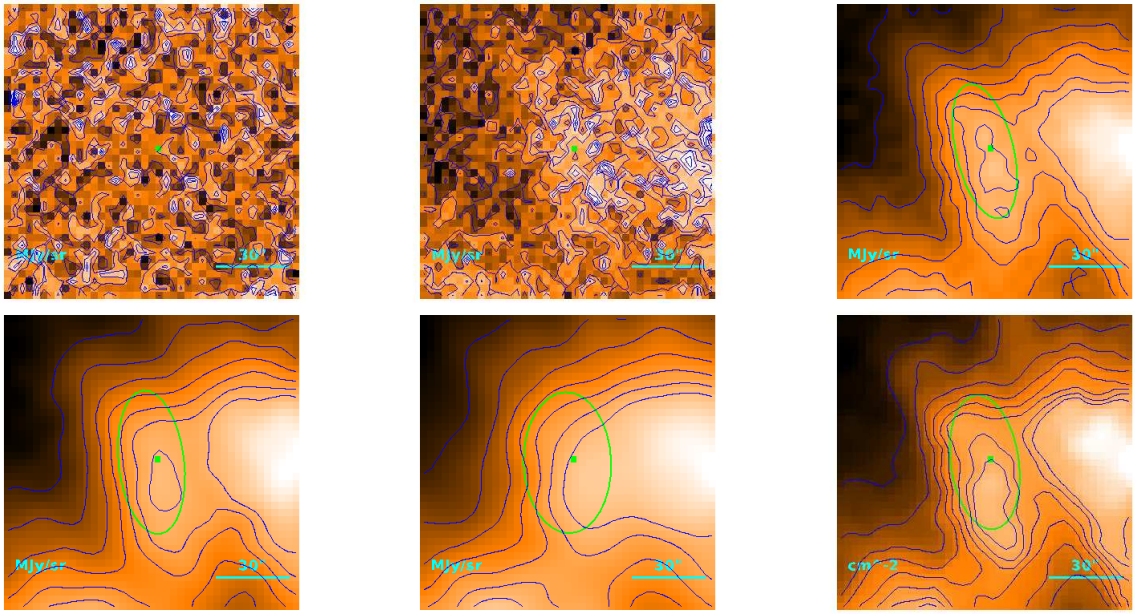
$M = \left(8.81^{+0.49}_{-0.46}\right) \cdot 10^{-2}\, M_{\odot}$

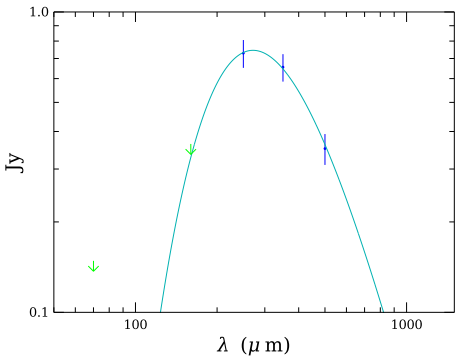
$R = \begin{cases} 48\farcs5 \\ 45\farcs0 \\ 3.27 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (6.77) \cdot 10^{-1}\, M_{\odot}$

# Source no. 57

# HGBS-J160409.3-415944




Physical properties of the source

$T = 10.68^{+0.29}_{-0.28}$ K

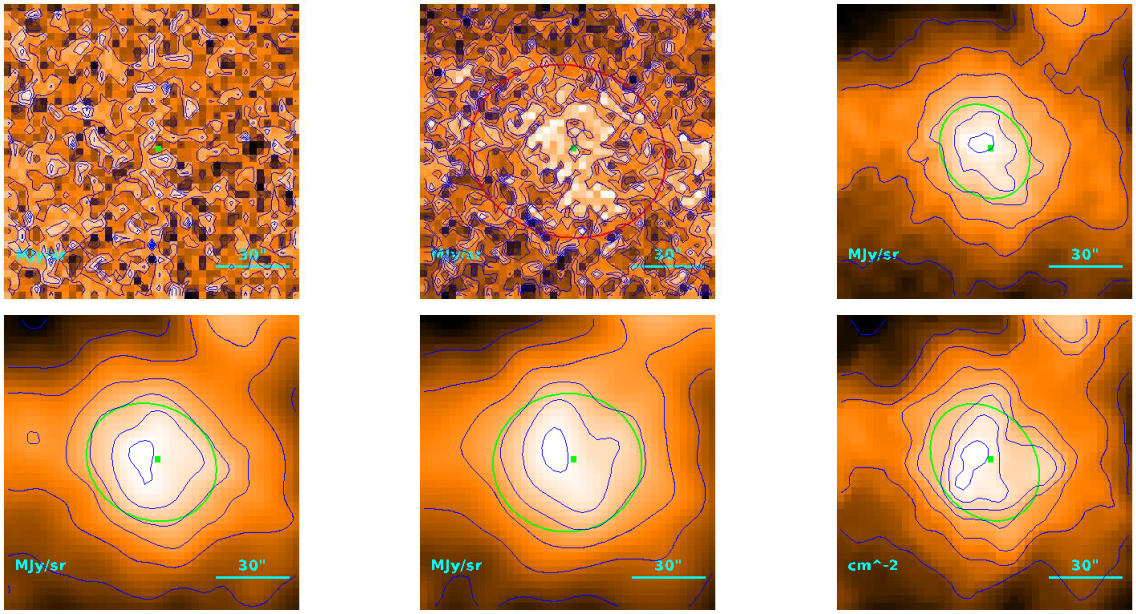
$M = \left(4.69^{+0.59}_{-0.53}\right) \cdot 10^{-2}\, M_{\odot}$

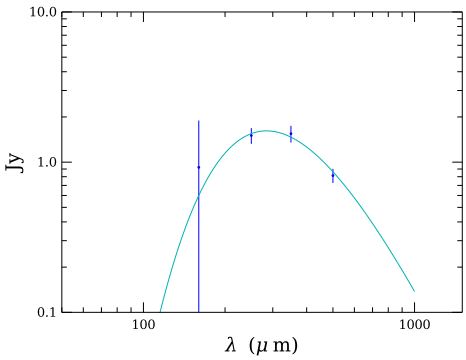
$$R = \begin{cases} 40\farcs0 \\ 35\farcs6 \\ 2.59 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (4.55) \cdot 10^{-1}\, M_{\odot}$

# Source no. 58

# HGBS-J160411.5-420114




Physical properties of the source

$T = 10.19^{+0.22}_{-0.20}$ K

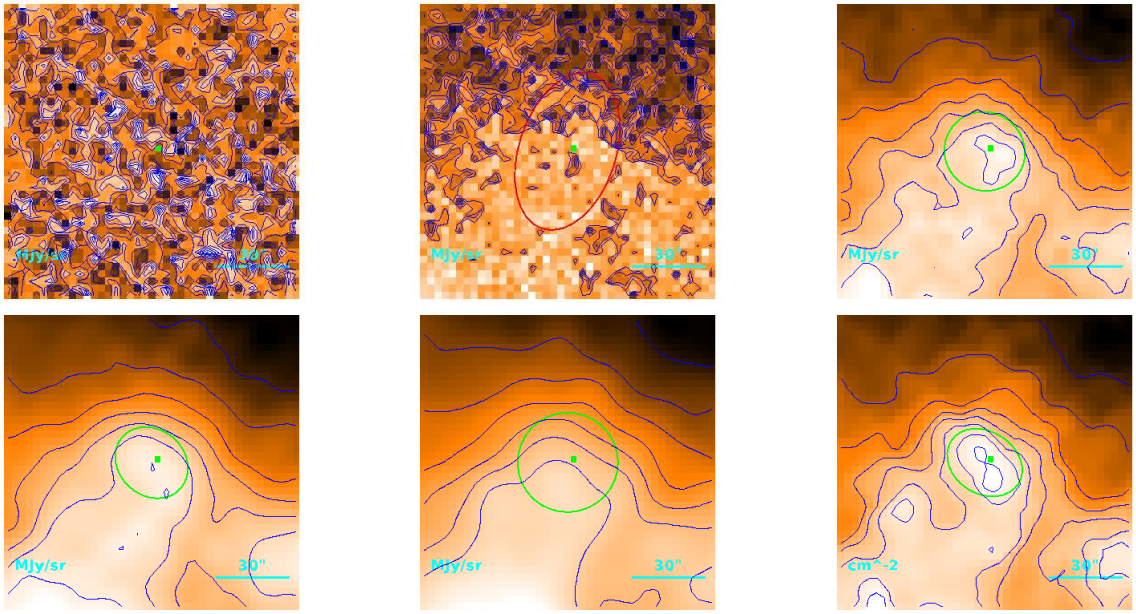
$M = (1.28 \pm 0.11) \cdot 10^{-1}\, M_{\odot}$

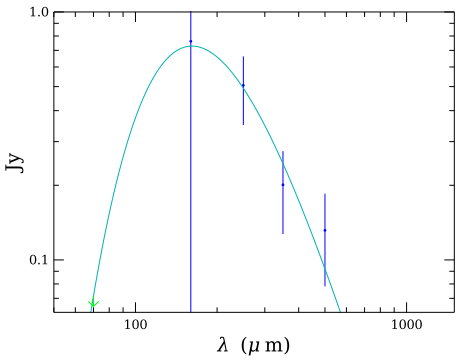
$R = \begin{cases} 46\farcs6 \\ 42\farcs9 \\ 3.12 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (5.23) \cdot 10^{-1}\, M_{\odot}$

# Source no. 59

# HGBS-J160421.9-420019




Physical properties of the source

$T = 17.9^{+0.4}_{-4.4}$ K

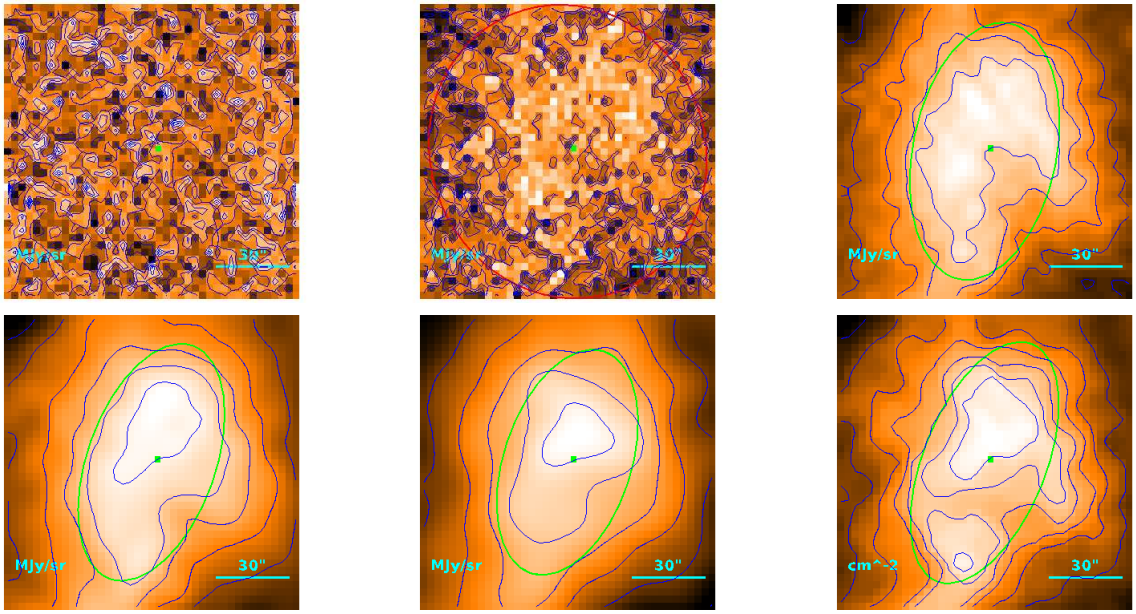
$M = \left(3.4^{+5.9}_{-0.7}\right) \cdot 10^{-3}\, M_{\odot}$

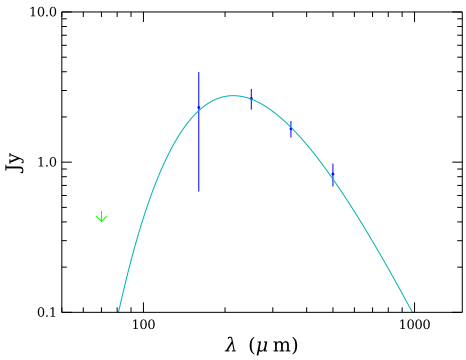
$R = \begin{cases} 29\farcs5 \\ 23\farcs2 \\ 1.69 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (4.98) \cdot 10^{-1}\, M_{\odot}$

# Source no. 60

# HGBS-J160425.1-420215




Physical properties of the source

$T = 13.52^{+0.41}_{-0.39}$ K

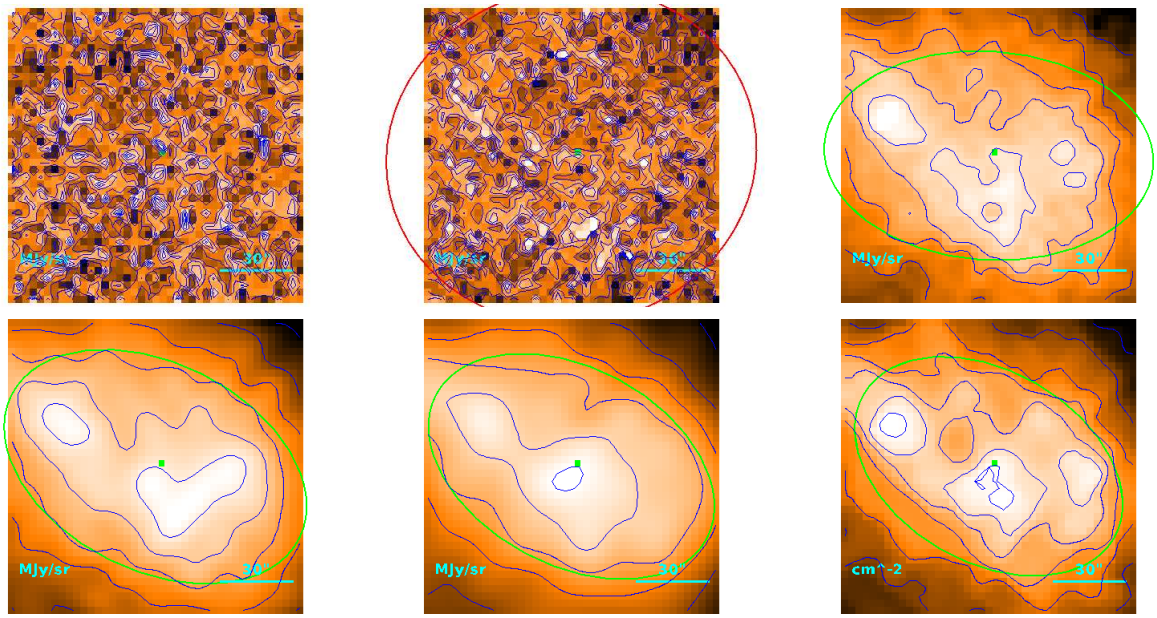
$M = \left(5.37^{+0.59}_{-0.54}\right) \cdot 10^{-2}\, M_\odot$

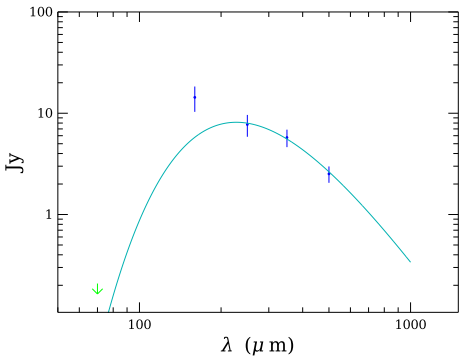
$$R = \begin{cases} 73\farcs8 \\ 71\farcs5 \\ 5.20 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = 1.16\, M_\odot$

# Source no. 61

# HGBS-J160535.5-420119




Physical properties of the source

$T = 12.73 \pm 0.24$ K

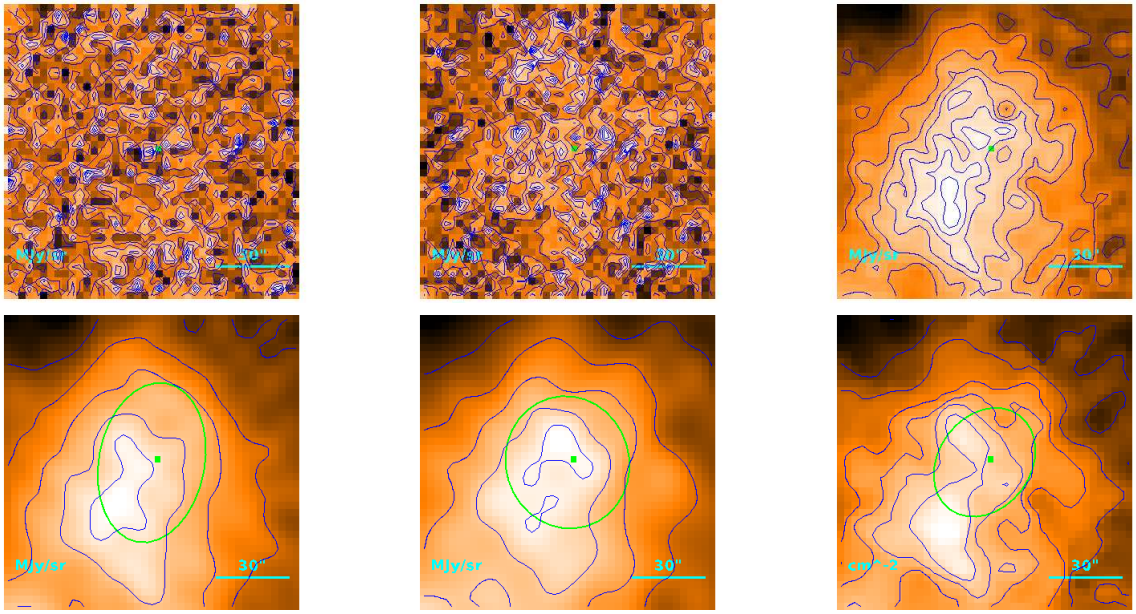
$M = (2.13 \pm 0.29) \cdot 10^{-1}\, M_{\odot}$

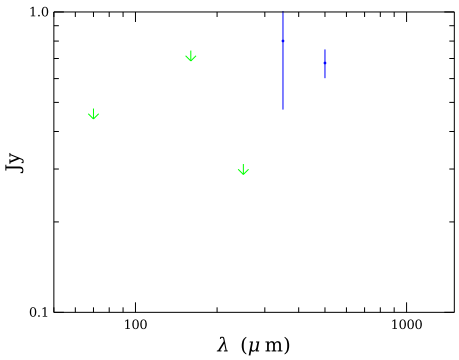
$$R = \begin{cases} 98\farcs0 \\ 96\farcs3 \\ 7.00 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = 1.47\, M_{\odot}$

# Source no. 62

# HGBS-J160540.7-415009




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

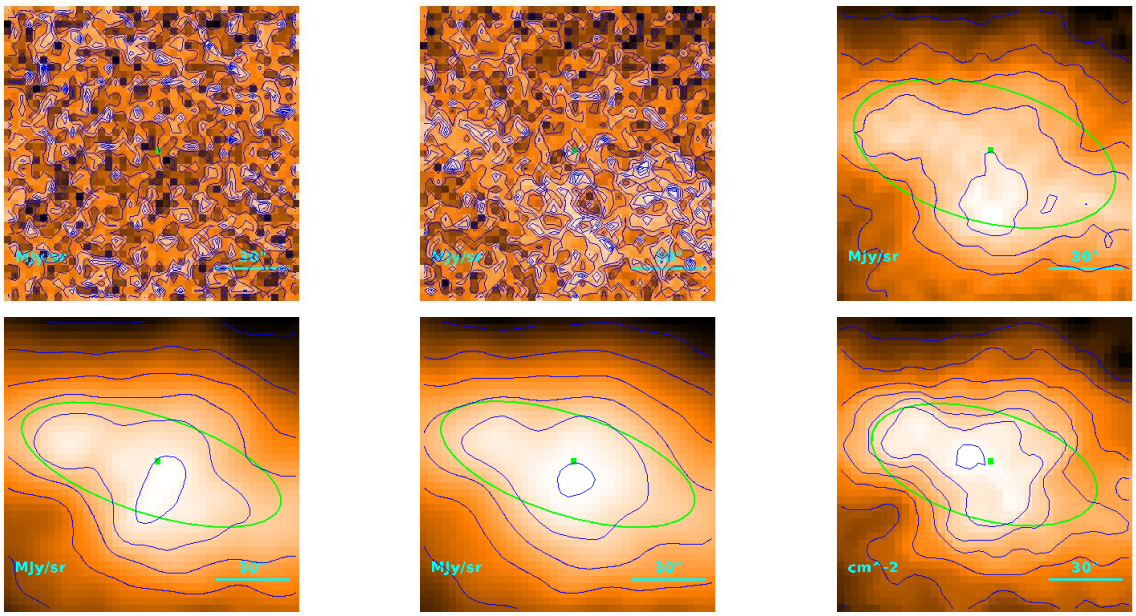
$M = \left(6.9^{+2.0}_{-1.4}\right) \cdot 10^{-2}\, M_{\odot}$

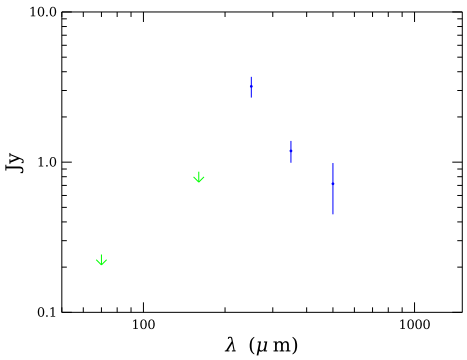
$$R = \begin{cases} 43\farcs4 \\ 39\farcs4 \\ 2.87 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (5.46) \cdot 10^{-1}\, M_{\odot}$

# Source no. 63

# HGBS-J160620.0-414919




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

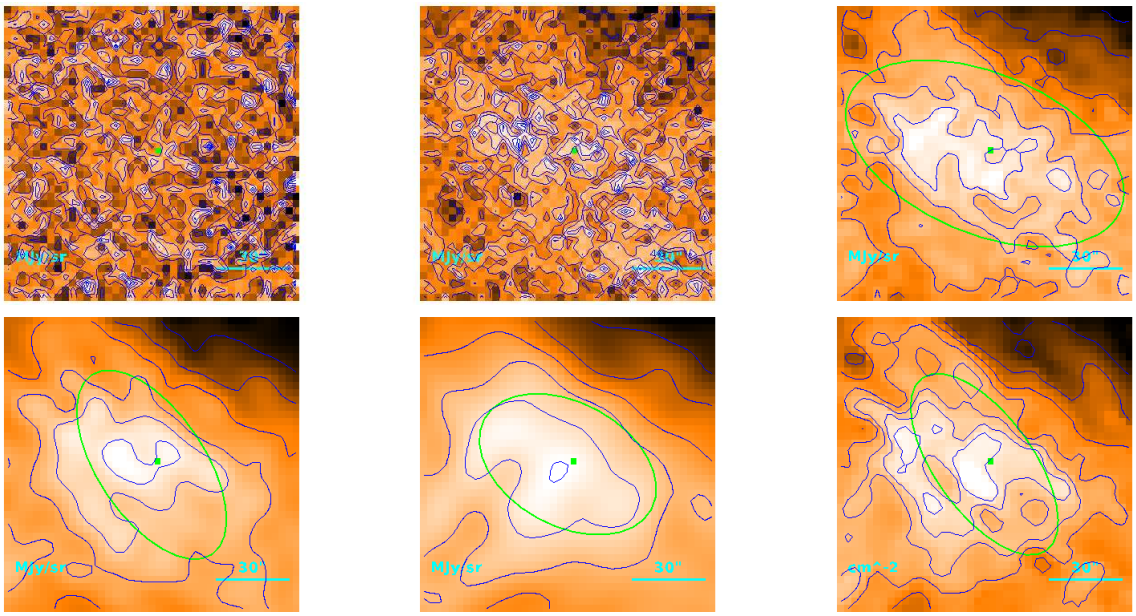
$M = \left(7.3^{+2.1}_{-1.4}\right) \cdot 10^{-2}\, M_{\odot}$

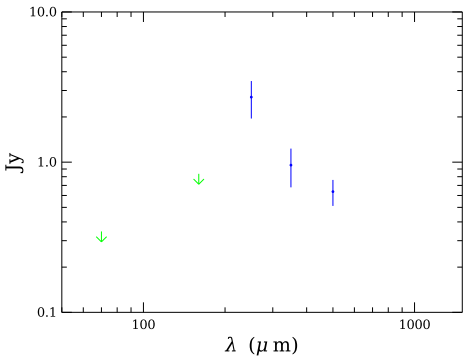
$$R = \begin{cases} 66\farcs3 \\ 63\farcs8 \\ 4.64 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (8.84) \cdot 10^{-1}\, M_{\odot}$

# Source no. 64

# HGBS-J160634.6-413523




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

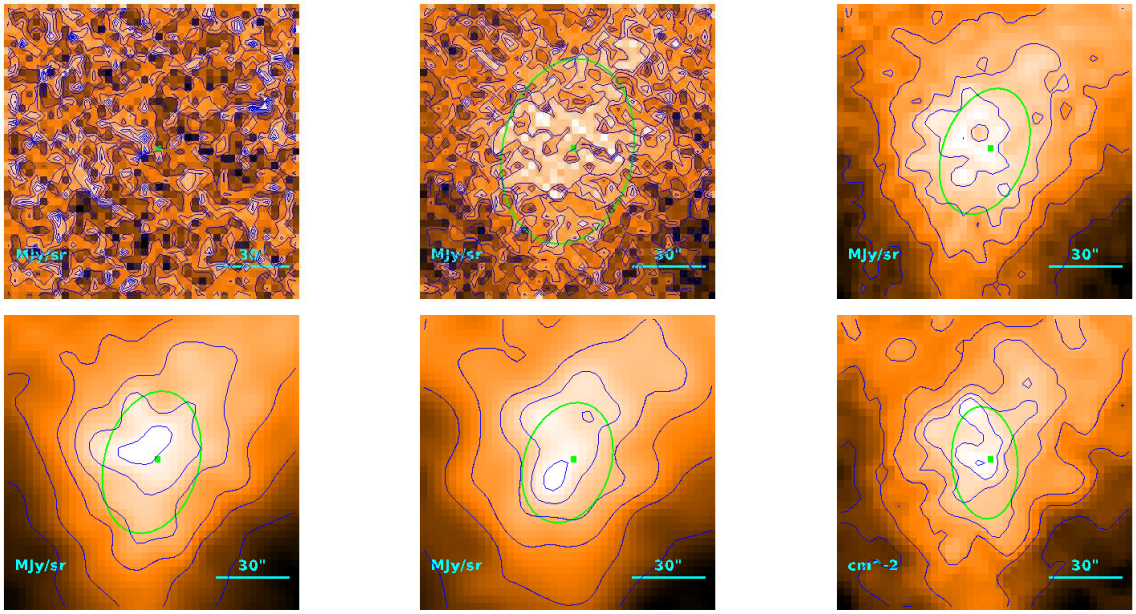
$M = \left(6.5^{+1.9}_{-1.3}\right) \cdot 10^{-2}\, M_{\odot}$

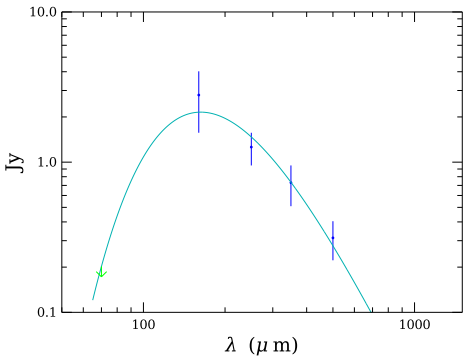
$$R = \begin{cases} 60\farcs1 \\ 57\farcs3 \\ 4.17 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (7.94) \cdot 10^{-1}\, M_{\odot}$

# Source no. 65

# HGBS-J160636.2-413834




Physical properties of the source

$T = 17.81^{+0.20}_{-0.38}$ K

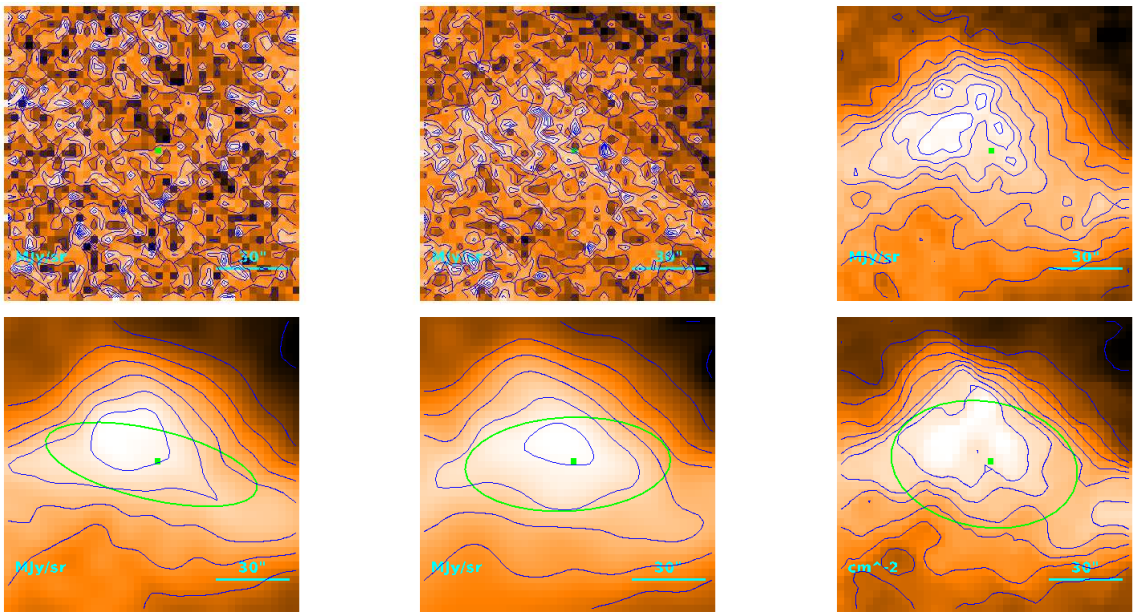
$M = (1.05 \pm 0.29) \cdot 10^{-2}\, M_\odot$

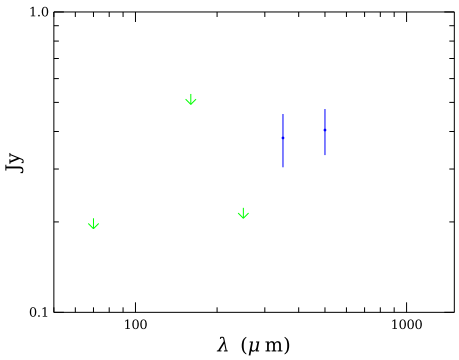
$R = \begin{cases} 35\farcs9 \\ 30\farcs9 \\ 2.25 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (6.59) \cdot 10^{-1}\, M_\odot$

# Source no. 66

# HGBS-J160641.3-414211




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

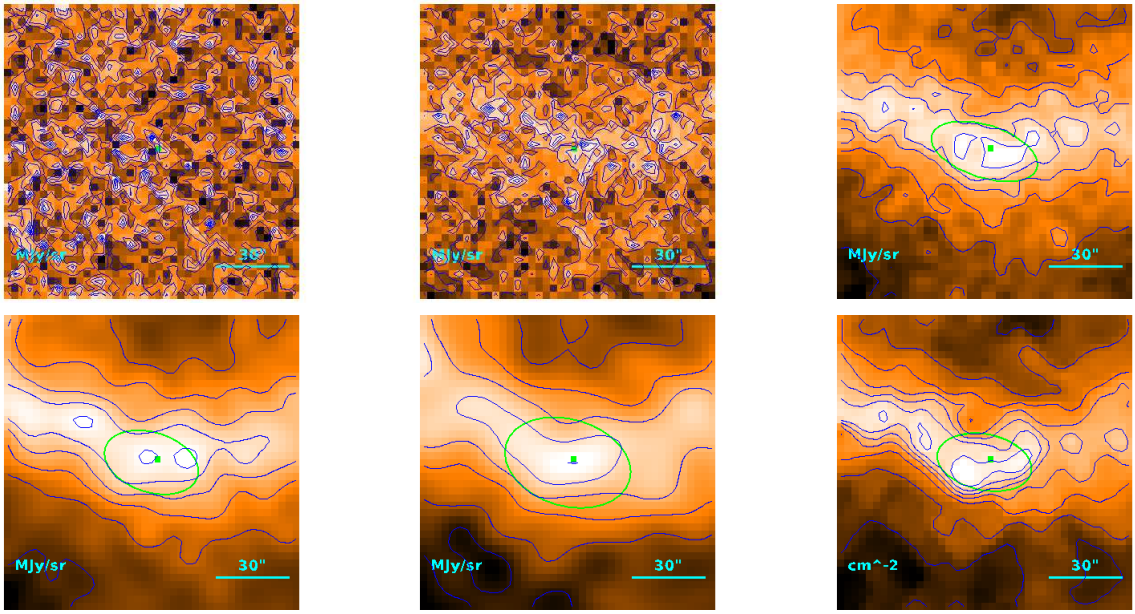
$M = \left(4.1^{+1.2}_{-0.8}\right) \cdot 10^{-2}\, M_{\odot}$

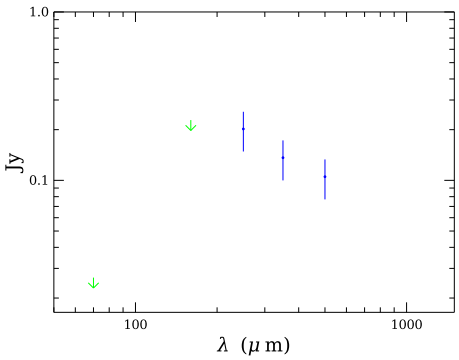
$$R = \begin{cases} 64\farcs1 \\ 61\farcs5 \\ 4.47 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (8.52) \cdot 10^{-1}\, M_{\odot}$

# Source no. 67

# HGBS-J160658.2-414348




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

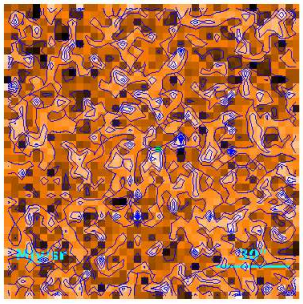
$M = \left(1.08^{+0.31}_{-0.21}\right) \cdot 10^{-2}\, M_{\odot}$

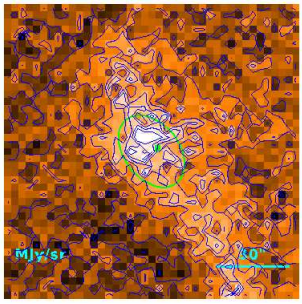
$$R = \begin{cases} 30\farcs6 \\ 24\farcs6 \\ 1.79 \cdot 10^{-2} \text{ pc} \end{cases}$$

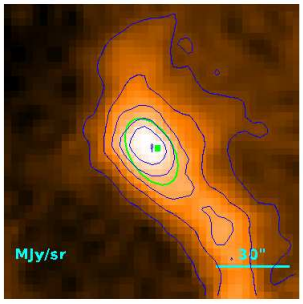
$M_{\rm BE} = (3.41) \cdot 10^{-1}\, M_{\odot}$

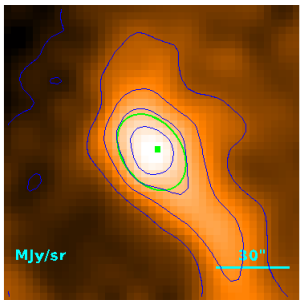
# Source no. 68

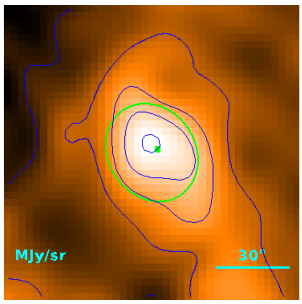
# HGBS-J160659.6-415854

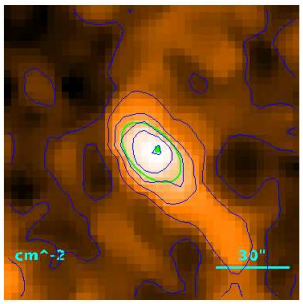


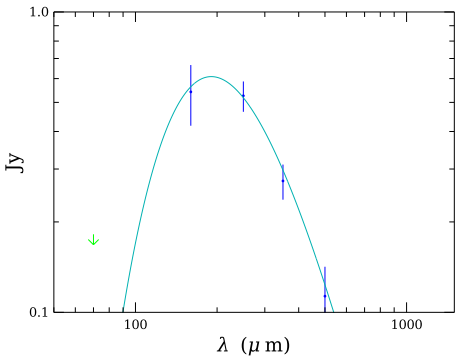



Physical properties of the source

$T = 15.22^{+0.68}_{-0.66}$ K

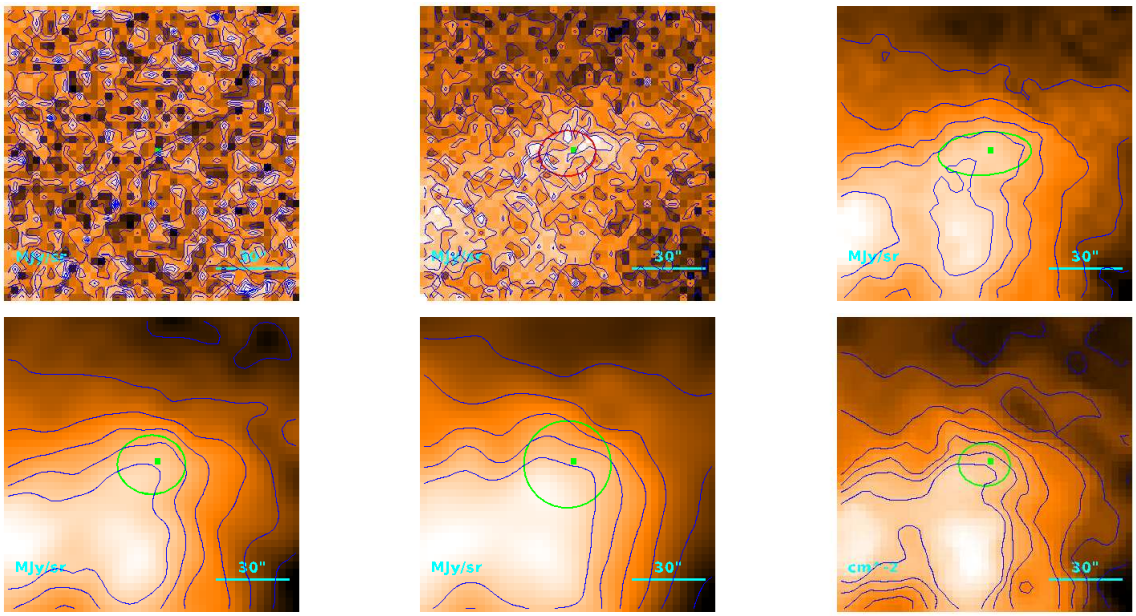
$M = \left(6.5^{+1.3}_{-1.0}\right) \cdot 10^{-3}\, M_{\odot}$

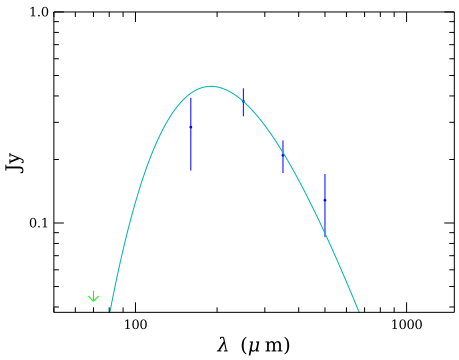
$R = \begin{cases} 23\farcs4 \\ 14\farcs7 \\ 1.07 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (2.68) \cdot 10^{-1}\, M_{\odot}$

# Source no. 69

# HGBS-J160707.0-414049




Physical properties of the source

$T = 15.3^{+2.5}_{-2.3}$ K

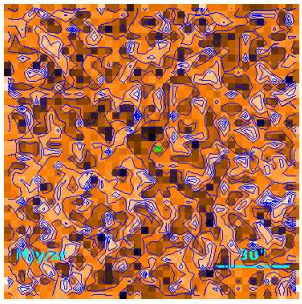
$M = \left(4.7^{+4.3}_{-2.1}\right) \cdot 10^{-3}\, M_{\odot}$

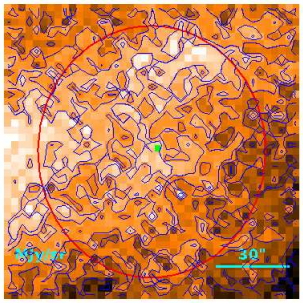
$R = \begin{cases} 19\farcs8 \\ 7\farcs80 \\ 5.67 \cdot 10^{-3} \text{ pc} \end{cases}$

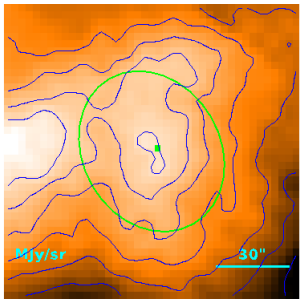
$M_{\rm BE} = (1.42) \cdot 10^{-1}\, M_{\odot}$

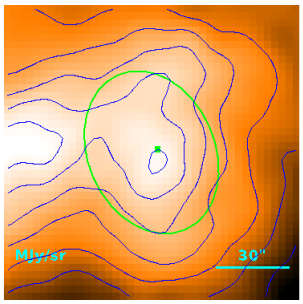
# Source no. 70

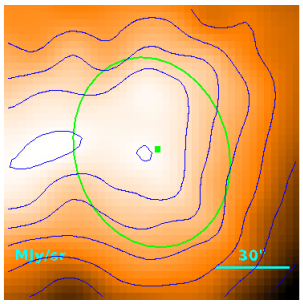
# HGBS-J160707.9-414125

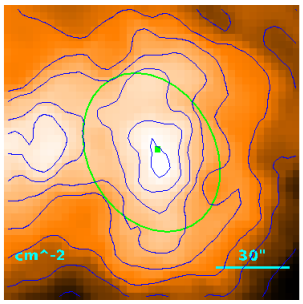


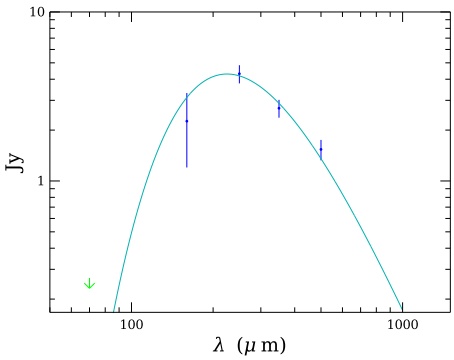




Physical properties of the source

$T = 12.87^{+0.34}_{-0.32}$ K

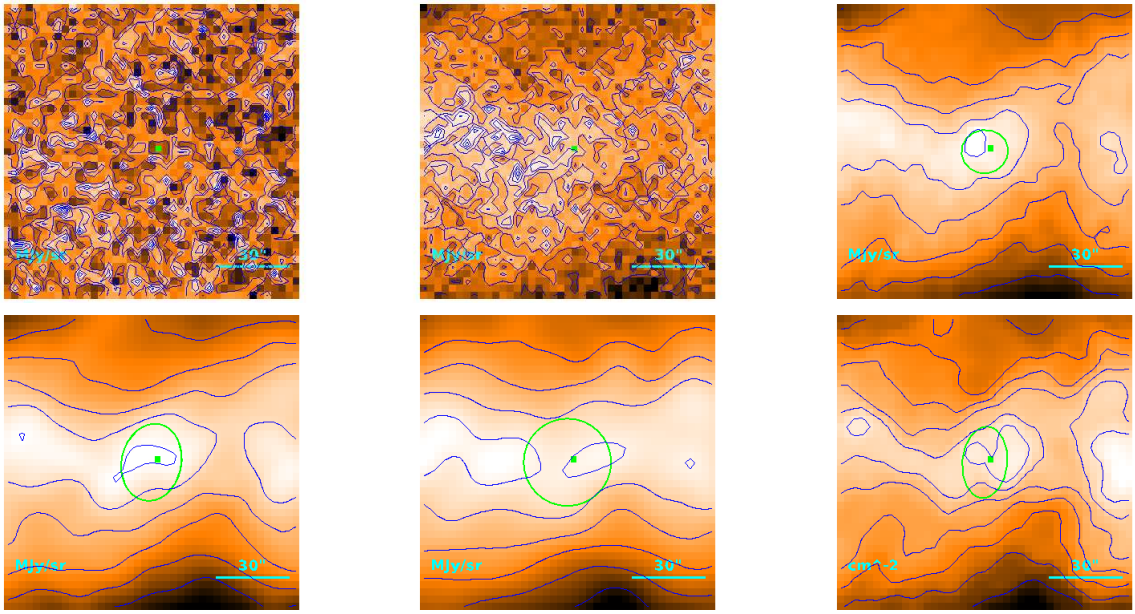
$M = \left(1.06^{+0.10}_{-0.097}\right) \cdot 10^{-1}\, M_{\odot}$

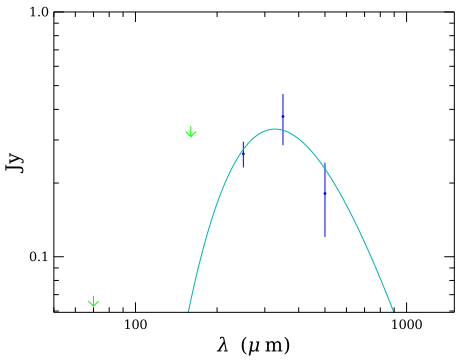
$$R = \begin{cases} 60\farcs7 \\ 57\farcs9 \\ 4.21 \cdot 10^{-2}\ \mathrm{pc} \end{cases}$$

$M_{\mathrm{BE}} = (8.91) \cdot 10^{-1}\, M_{\odot}$

# Source no. 71

# HGBS-J160712.6-414126




Physical properties of the source

$T = 8.87^{+0.87}_{-0.70}$ K

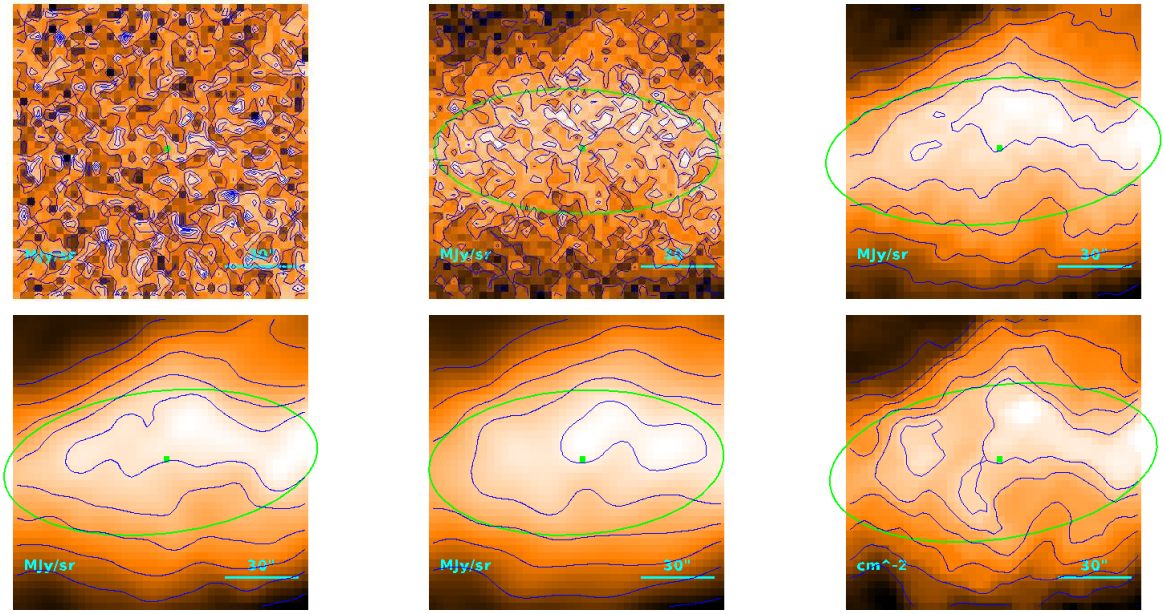
$M = \left(5.2^{+3.0}_{-2.1}\right) \cdot 10^{-2}\, M_{\odot}$

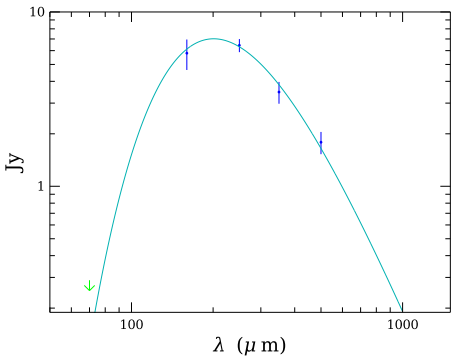
$R = \begin{cases} 23\farcs8 \\ 15\farcs3 \\ 1.12 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (1.63) \cdot 10^{-1}\, M_{\odot}$

# Source no. 72

# HGBS-J160718.6-414131




Physical properties of the source

$T = 14.42^{+0.20}_{-0.21}$ K

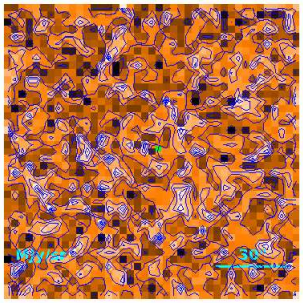
$M = (9.85 \pm 0.66) \cdot 10^{-2}\, M_\odot$

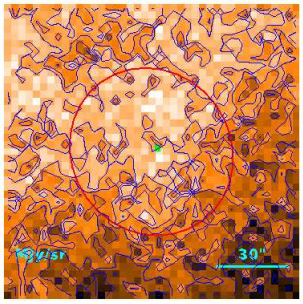
$R = \begin{cases} 93\farcs8 \\ 92\farcs0 \\ 6.69 \cdot 10^{-2} \text{ pc} \end{cases}$

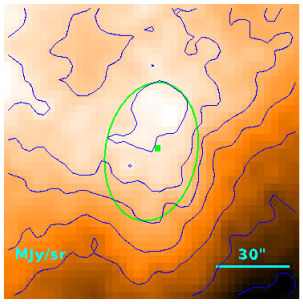
$M_{\rm BE} = 1.59\, M_\odot$

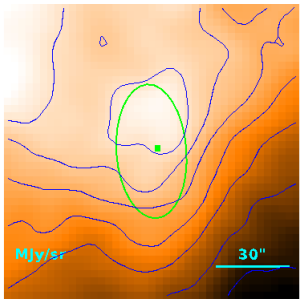
# Source no. 73

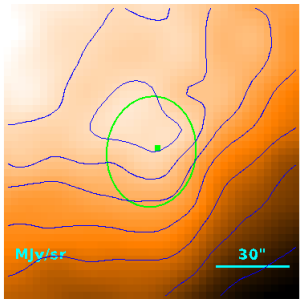
# HGBS-J160738.5-414408

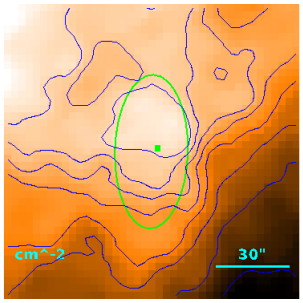


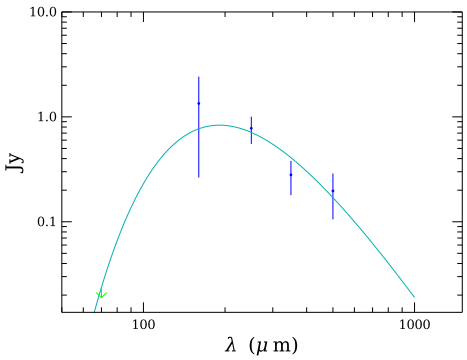




Physical properties of the source

$T = 15.2^{+0.3}_{-1.9}$ K

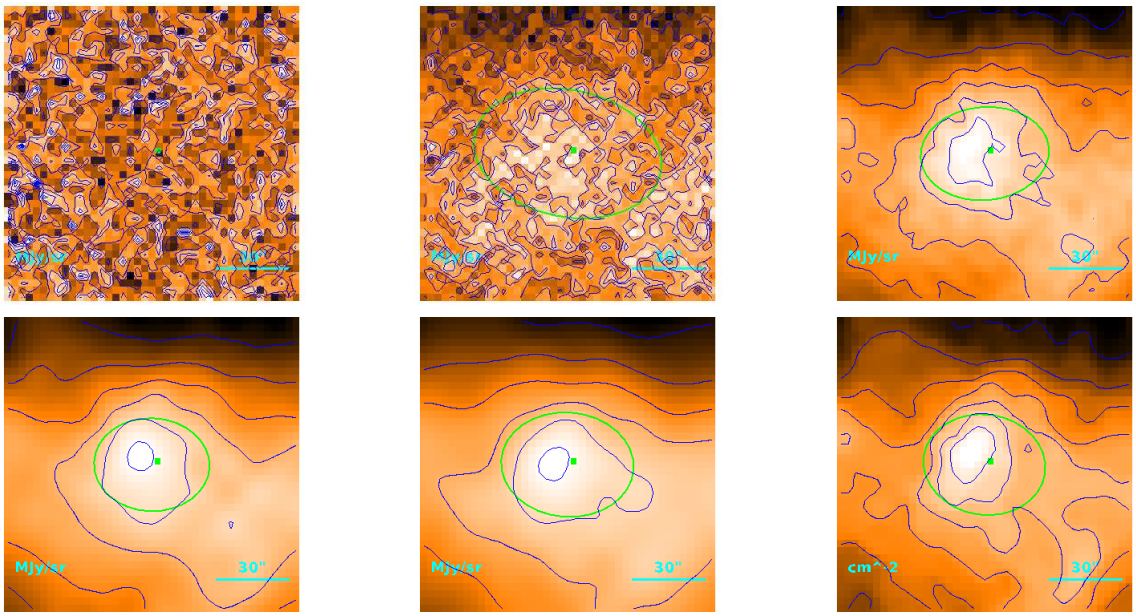
$M = \left(9.0^{+5.7}_{-1.8}\right) \cdot 10^{-3}\, M_\odot$

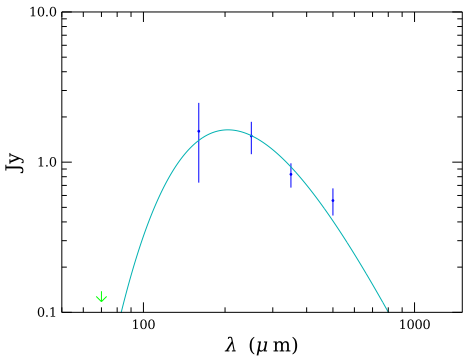
$$R = \begin{cases} 44\farcs1 \\ 40\farcs2 \\ 2.92 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (7.29) \cdot 10^{-1}\, M_\odot$

# Source no. 74

# HGBS-J160745.7-414151




Physical properties of the source

$T = 14.1^{+1.1}_{-1.0}$ K

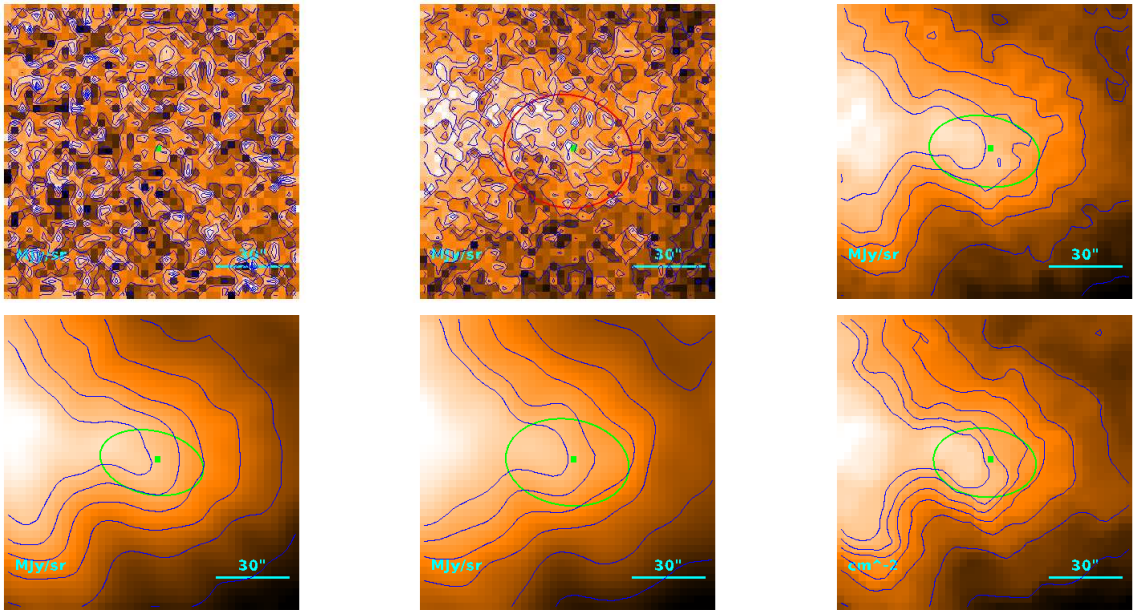
$M = \left(2.54^{+0.84}_{-0.62}\right) \cdot 10^{-2}\, M_{\odot}$

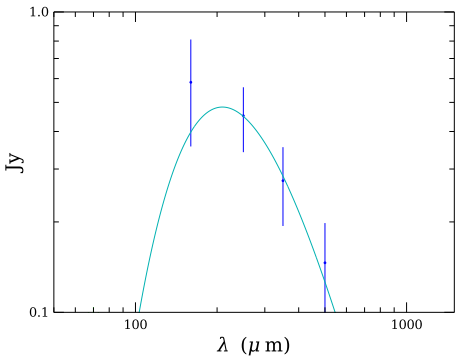
$$R = \begin{cases} 46\farcs2 \\ 42\farcs5 \\ 3.09 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (7.18) \cdot 10^{-1}\, M_{\odot}$

# Source no. 75

# HGBS-J160759.2-414447




Physical properties of the source

$T = 13.8^{+3.5}_{-2.0}$ K

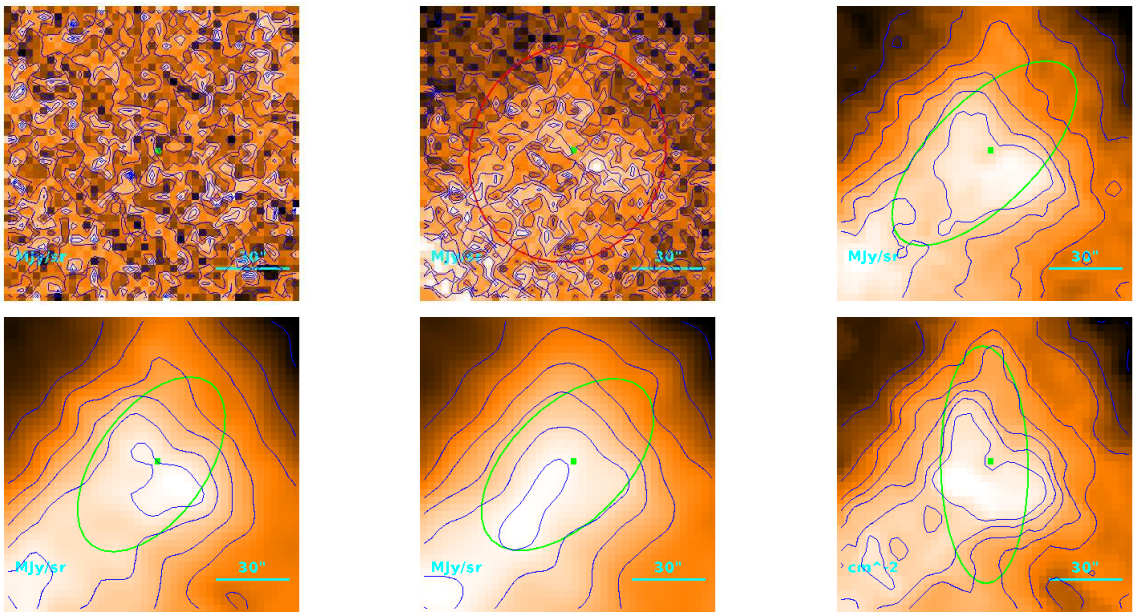
$M = \left(8.2^{+7.6}_{-4.6}\right) \cdot 10^{-3}\, M_{\odot}$

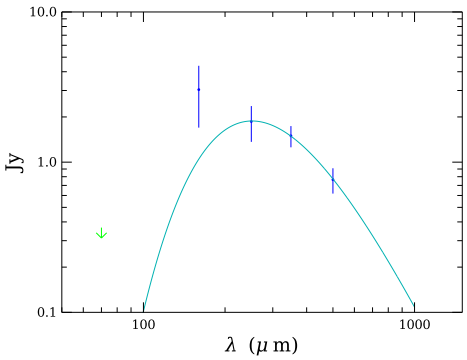
$$R = \begin{cases} 35\farcs3 \\ 30\farcs2 \\ 2.20 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (5.01) \cdot 10^{-1}\, M_{\odot}$

# Source no. 76

# HGBS-J160801.6-413826




Physical properties of the source

$T = 11.52 \pm 0.23$ K

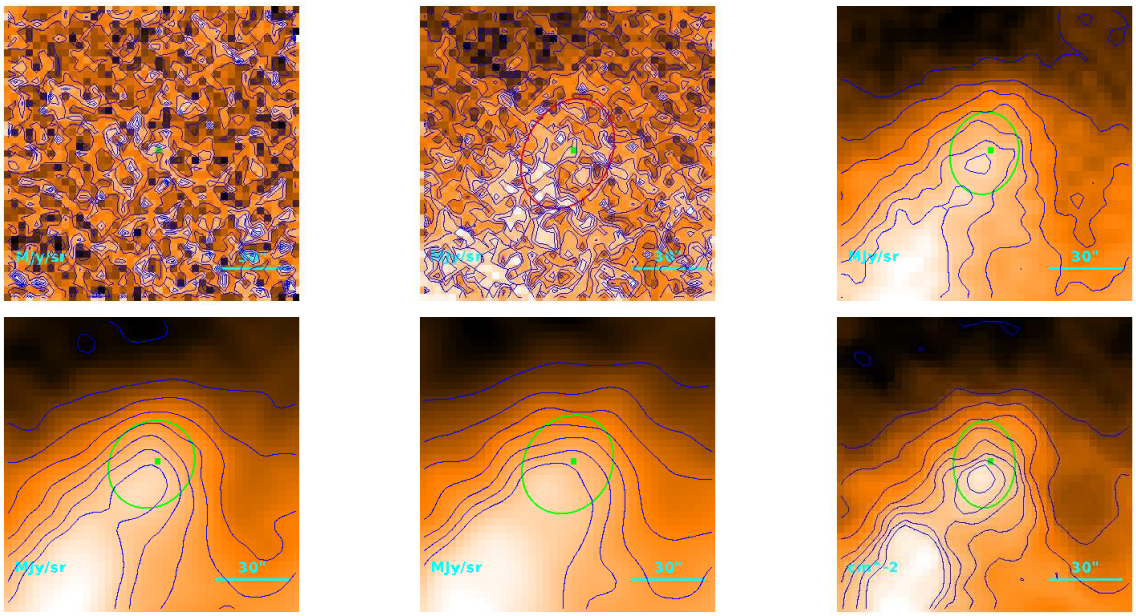
$M = (8.11 \pm 0.10) \cdot 10^{-2}\, M_\odot$

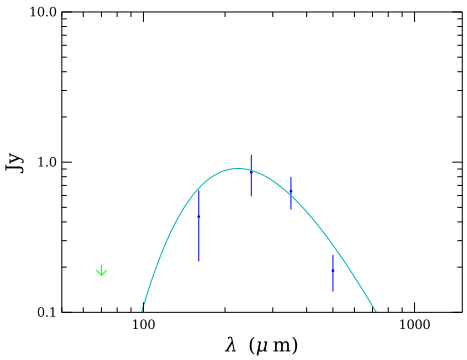
$$R = \begin{cases} 60\farcs1 \\ 57\farcs3 \\ 4.17 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (7.89) \cdot 10^{-1}\, M_\odot$

# Source no. 77

# HGBS-J160809.5-413606




Physical properties of the source

$T = 13.0^{+1.5}_{-1.2}$ K

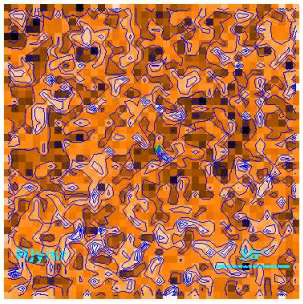
$M = \left(2.15^{+0.99}_{-0.73}\right) \cdot 10^{-2}\, M_{\odot}$

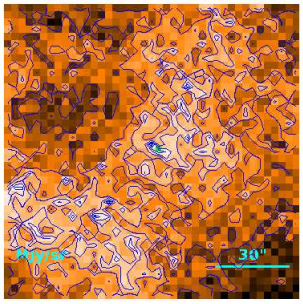
$R = \begin{cases} 30\farcs5 \\ 24\farcs5 \\ 1.78 \cdot 10^{-2} \text{ pc} \end{cases}$

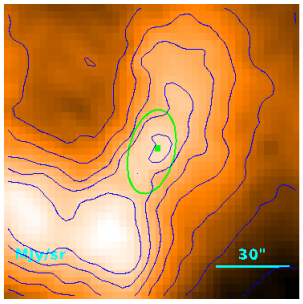
$M_{\rm BE} = (3.80) \cdot 10^{-1}\, M_{\odot}$

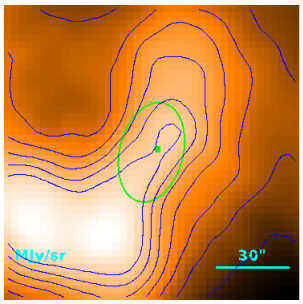
# Source no. 78

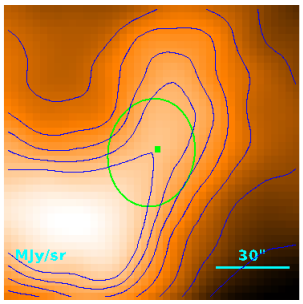
# HGBS-J160810.5-414440

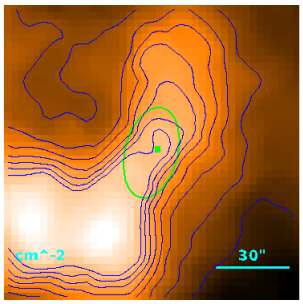


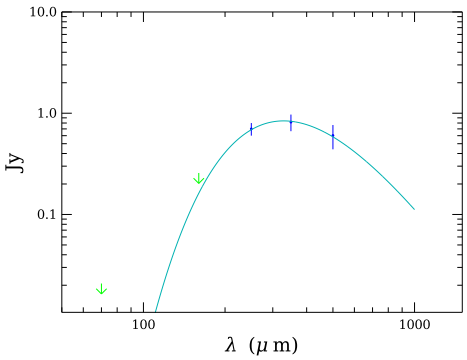




Physical properties of the source

$T = 8.81^{+0.22}_{-0.21}$ K

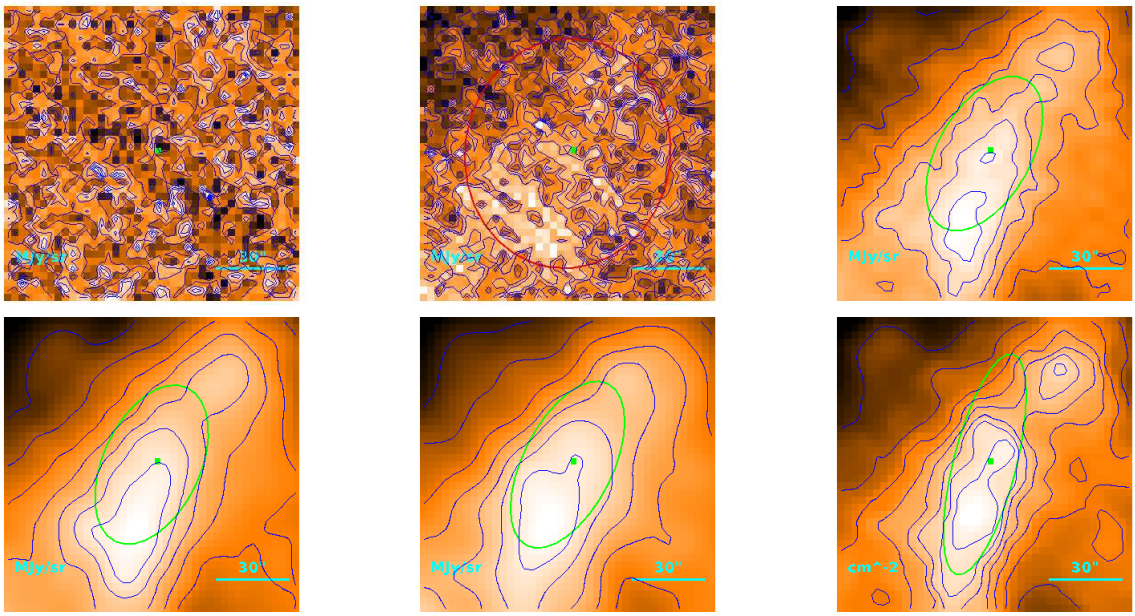
$M = \left(1.38^{+0.17}_{-0.15}\right) \cdot 10^{-1}\, M_{\odot}$

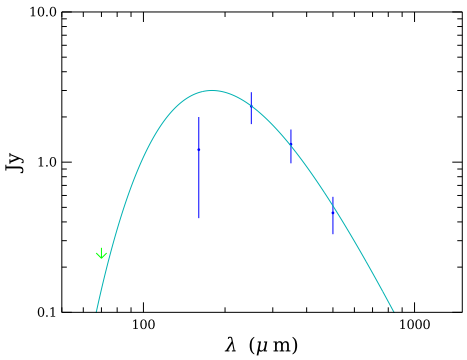
$R = \begin{cases} 29\farcs3 \\ 23\farcs0 \\ 1.67 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (2.42) \cdot 10^{-1}\, M_{\odot}$

# Source no. 79

# HGBS-J160812.3-413649




Physical properties of the source

$T = 16.18^{+0.93}_{-0.81}$ K

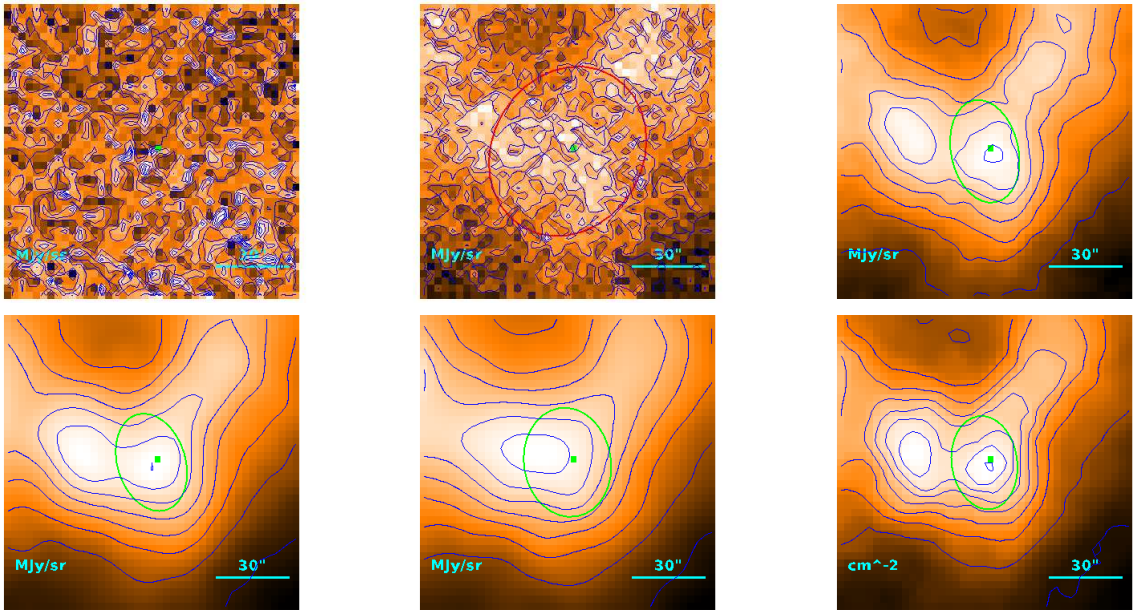
$M = \left(2.36^{+0.45}_{-0.40}\right) \cdot 10^{-2}\, M_{\odot}$

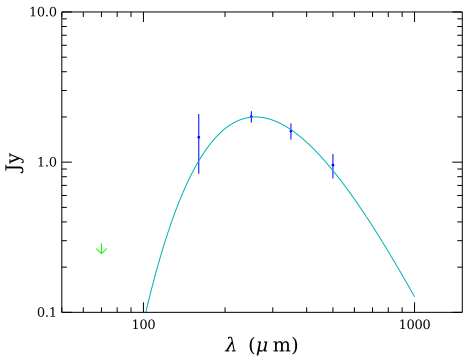
$R = \begin{cases} 49\farcs8 \\ 46\farcs4 \\ 3.37 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (8.97) \cdot 10^{-1}\, M_{\odot}$

# Source no. 80

# HGBS-J160812.5-414515




Physical properties of the source

$T = 11.18^{+0.15}_{-0.14}$ K

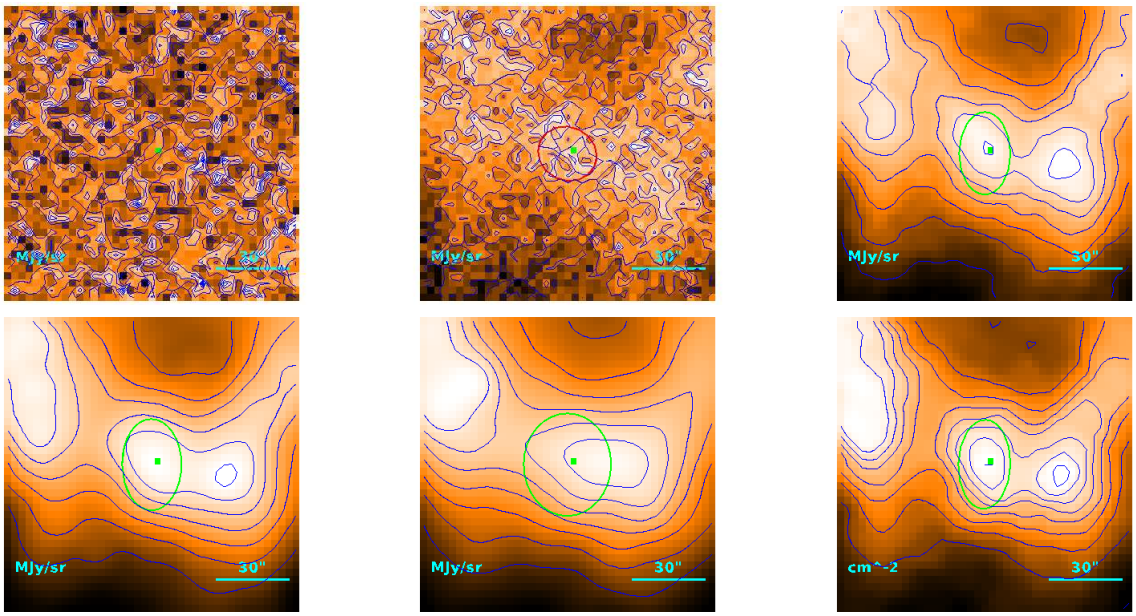
$M = (1.002 \pm 0.069) \cdot 10^{-1}\, M_\odot$

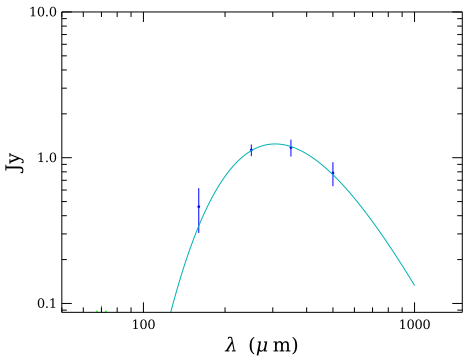
$R = \begin{cases} 32\farcs6 \\ 27\farcs0 \\ 1.97 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.61) \cdot 10^{-1}\, M_\odot$

# Source no. 81

# HGBS-J160815.2-414509




Physical properties of the source

$T = 9.47 \pm 0.11$ K

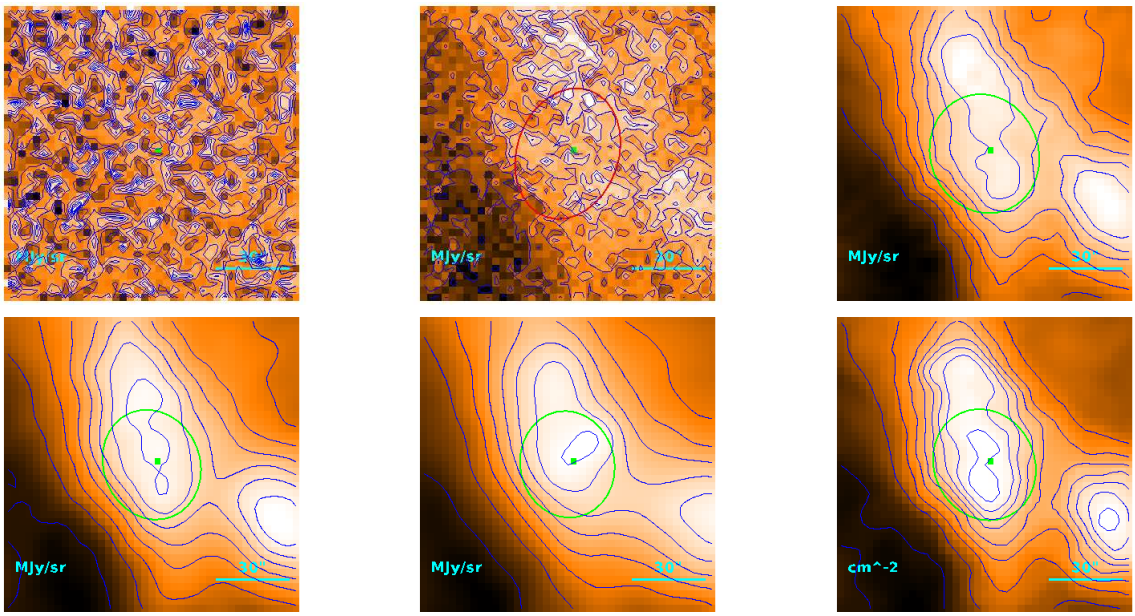
$M = (1.42 \pm 0.11) \cdot 10^{-1}\, M_\odot$

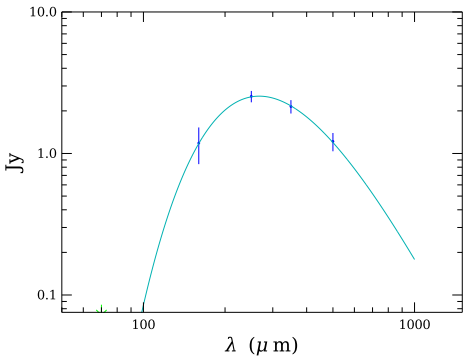
$$R = \begin{cases} 28\farcs4 \\ 21\farcs8 \\ 1.59 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (2.47) \cdot 10^{-1}\, M_\odot$

# Source no. 82

# HGBS-J160819.6-414445




Physical properties of the source

$T = 10.84 \pm 0.08$ K

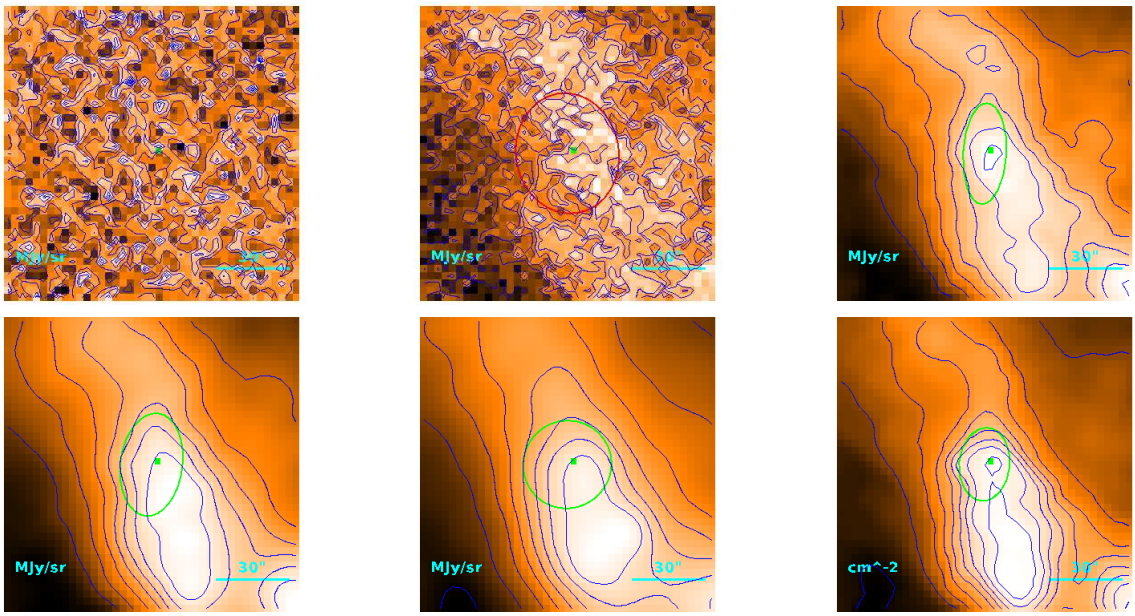
$M = (1.486 \pm 0.097) \cdot 10^{-1}\, M_\odot$

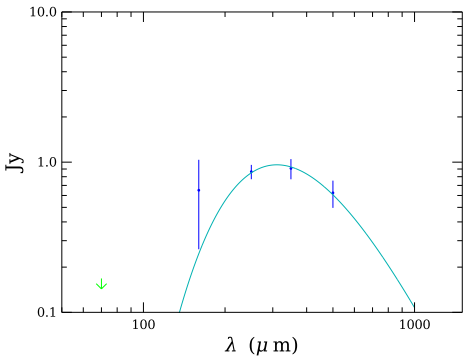
$R = \begin{cases} 44\farcs6 \\ 40\farcs7 \\ 2.96 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (5.28) \cdot 10^{-1}\, M_\odot$

# Source no. 83

# HGBS-J160820.7-414405




Physical properties of the source

$T = 9.33^{+0.16}_{-0.15}$ K

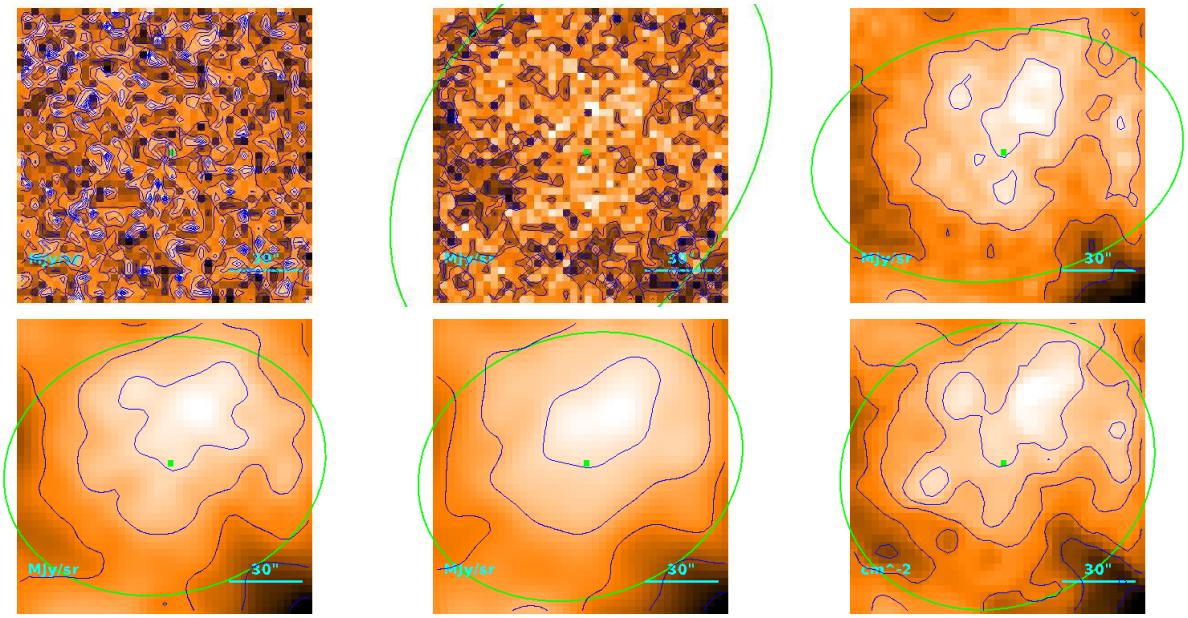
$M = (1.18 \pm 0.10) \cdot 10^{-1}\, M_\odot$

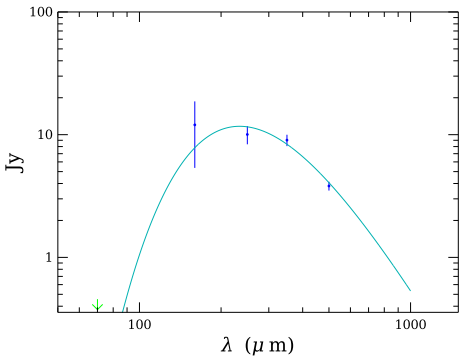
$R = \begin{cases} 25\farcs5 \\ 17\farcs9 \\ 1.30 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (1.99) \cdot 10^{-1}\, M_\odot$

# Source no. 84

# HGBS-J160821.8-414949




Physical properties of the source

$T = 12.38^{+0.23}_{-0.22}$ K

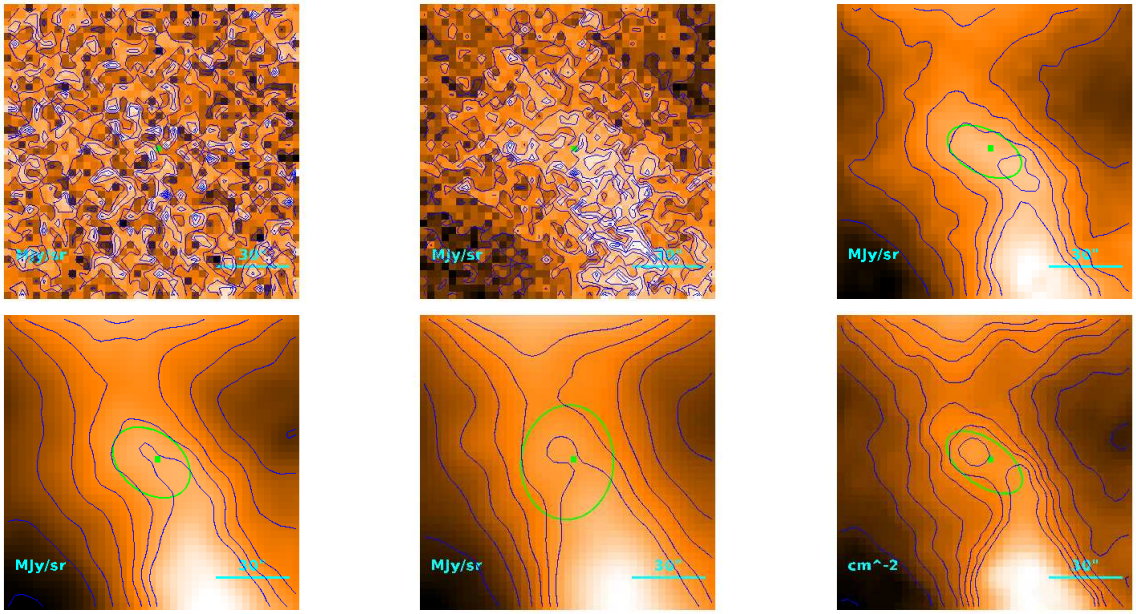
$M = (3.52 \pm 0.29) \cdot 10^{-1}\, M_{\odot}$

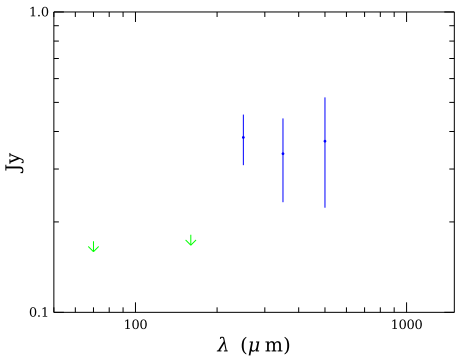
$$R = \begin{cases} 125\farcs1 \\ 123\farcs8 \\ 9.00 \cdot 10^{-2}\ \mathrm{pc} \end{cases}$$

$M_{\mathrm{BE}} = 1.83\, M_{\odot}$

# Source no. 85

# HGBS-J160821.9-414317




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

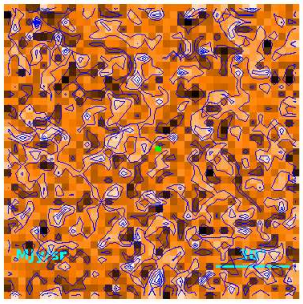
$M = \left(3.8^{+1.1}_{-0.7}\right) \cdot 10^{-2}\, M_{\odot}$

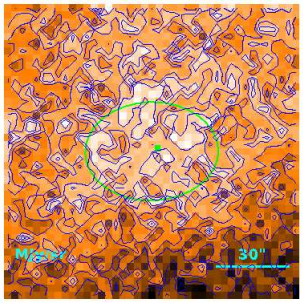
$$R = \begin{cases} 26\farcs4 \\ 19\farcs1 \\ 1.39 \cdot 10^{-2} \text{ pc} \end{cases}$$

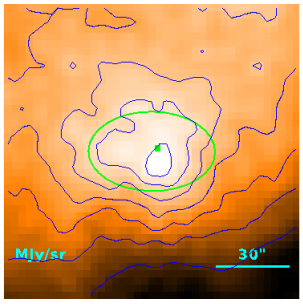
$M_{\rm BE} = (2.65) \cdot 10^{-1}\, M_{\odot}$

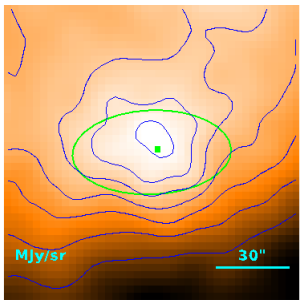
# Source no. 86

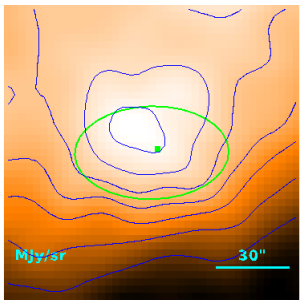
# HGBS-J160824.5-415117

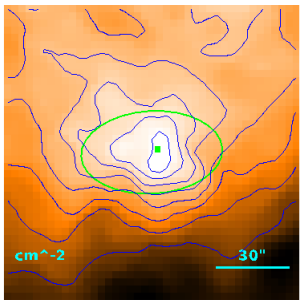


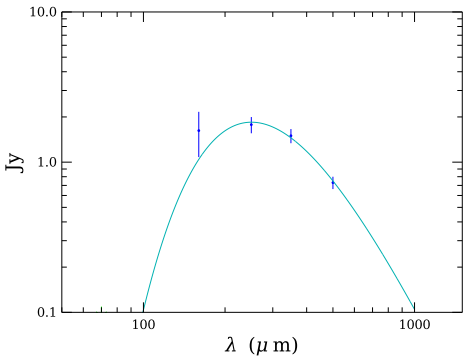




Physical properties of the source

$T = 11.58 \pm 0.28$ K

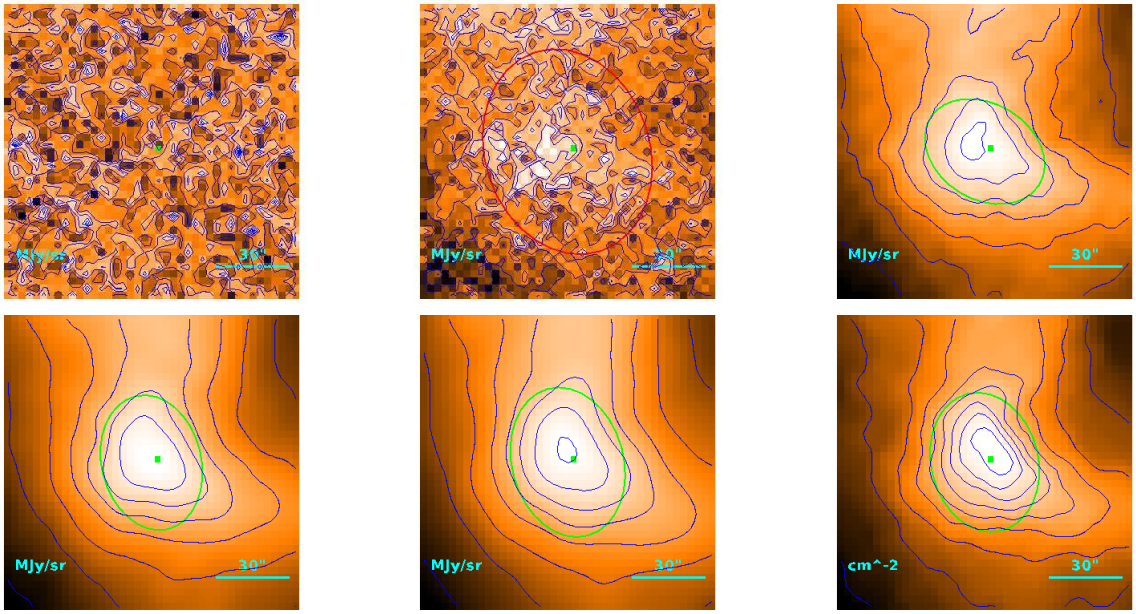
$M = \left(7.76^{+0.79}_{-0.70}\right) \cdot 10^{-2}\, M_{\odot}$

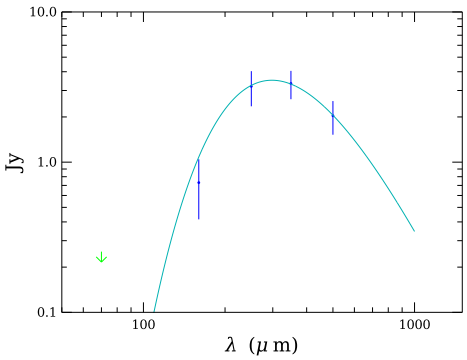
$$R = \begin{cases} 45\farcs0 \\ 41\farcs2 \\ 2.99 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (5.70) \cdot 10^{-1}\, M_{\odot}$

# Source no. 87

# HGBS-J160824.7-414136




Physical properties of the source

$T = 9.73^{+0.07}_{-0.08}$ K

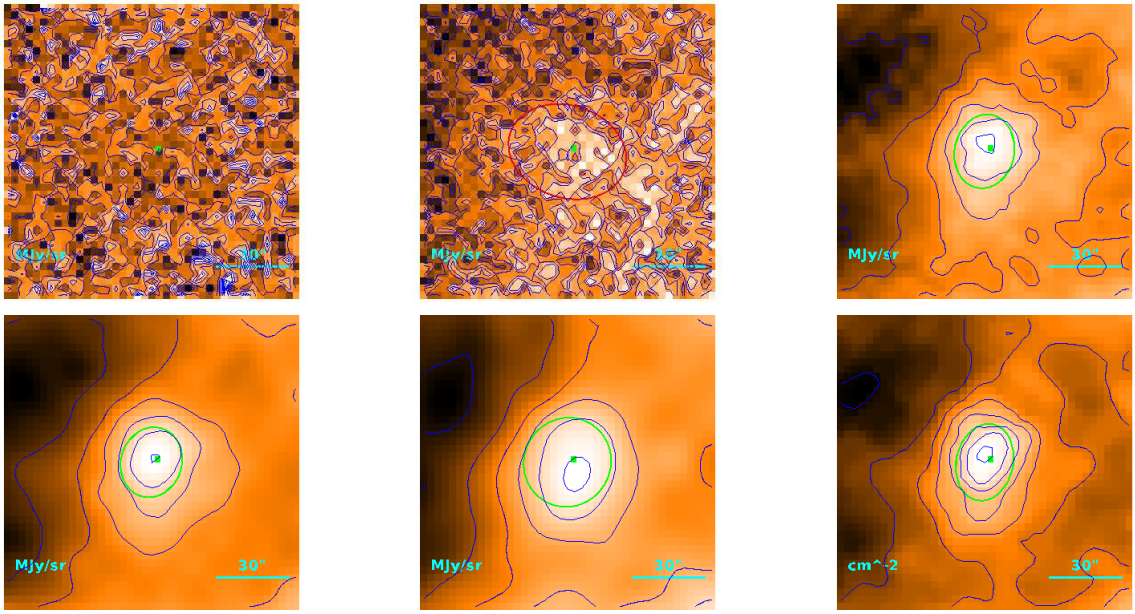
$M = (3.52 \pm 0.49) \cdot 10^{-1}\, M_{\odot}$

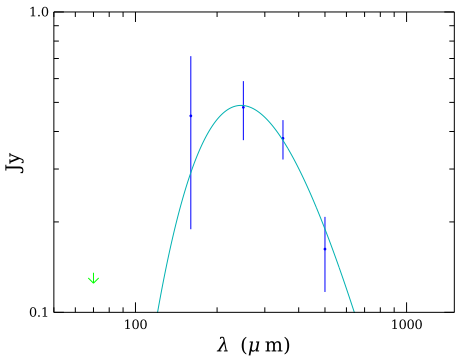
$$R = \begin{cases} 51\farcs2 \\ 47\farcs9 \\ 3.48 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (5.57) \cdot 10^{-1}\, M_{\odot}$

# Source no. 88

# HGBS-J160825.2-414724




Physical properties of the source

$T = 11.82^{+0.93}_{-0.81}$ K

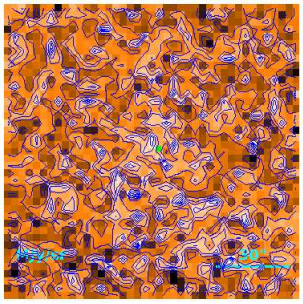
$M = \left(1.85^{+0.61}_{-0.47}\right) \cdot 10^{-2}\, M_{\odot}$

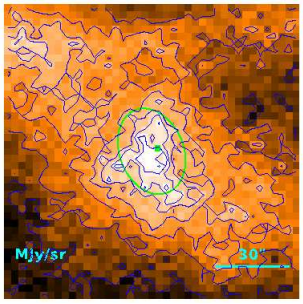
$R = \begin{cases} 27\farcs8 \\ 21\farcs0 \\ 1.53 \cdot 10^{-2} \text{ pc} \end{cases}$

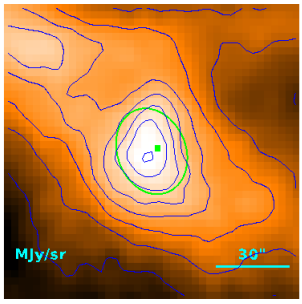
$M_{\rm BE} = (2.97) \cdot 10^{-1}\, M_{\odot}$

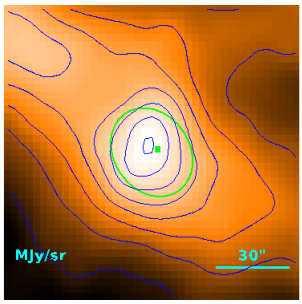
# Source no. 89

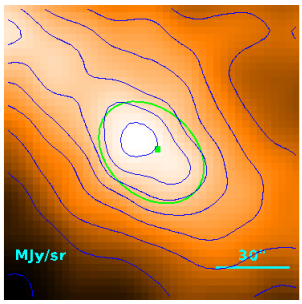
# HGBS-J160830.7-412408

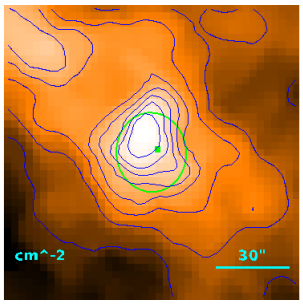


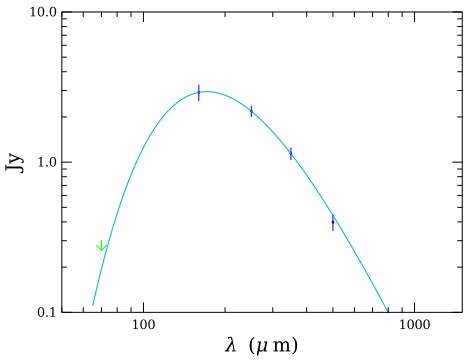



Physical properties of the source

$T = 16.91^{+0.09}_{-0.08}$ K

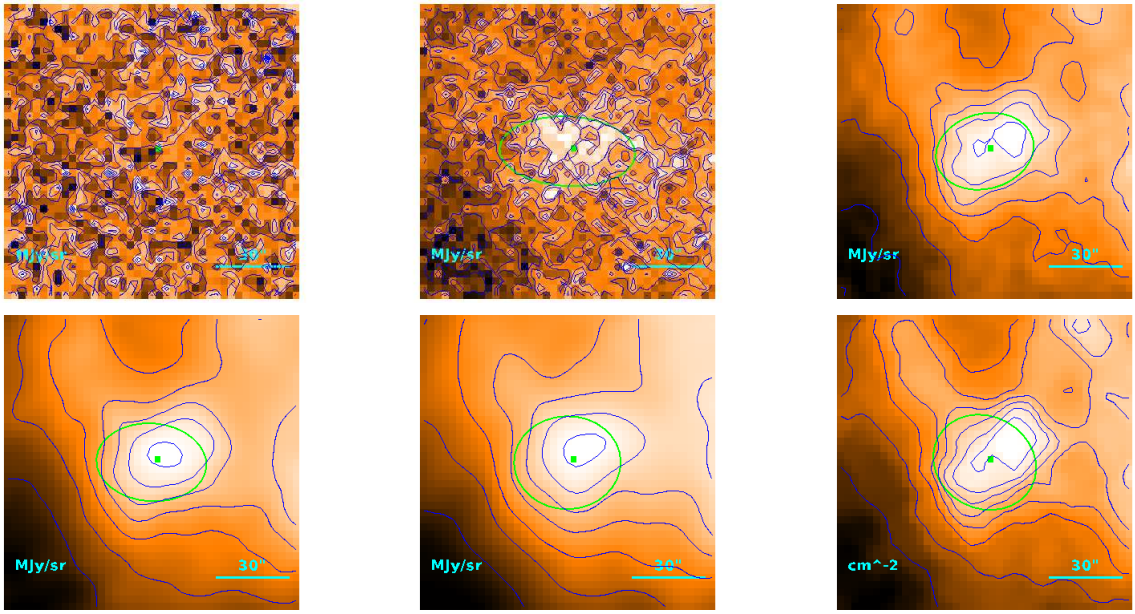
$M = (1.86 \pm 0.12) \cdot 10^{-2}\, M_{\odot}$

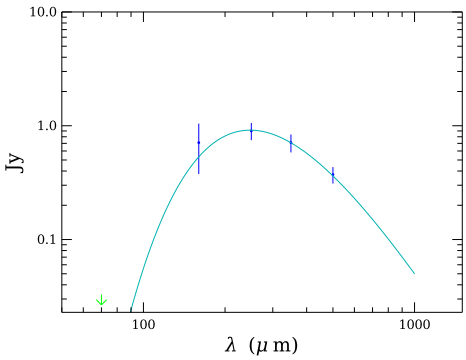
$R = \begin{cases} 30\farcs9 \\ 25\farcs0 \\ 1.82 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (5.05) \cdot 10^{-1}\, M_{\odot}$

# Source no. 90

# HGBS-J160833.0-415102




Physical properties of the source

$T = 11.71^{+0.44}_{-0.41}$ K

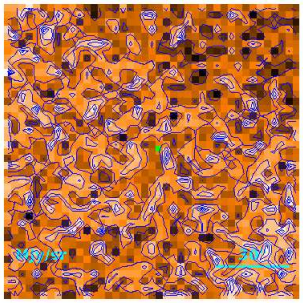
$M = \left(3.63^{+0.59}_{-0.52}\right) \cdot 10^{-2}\, M_{\odot}$

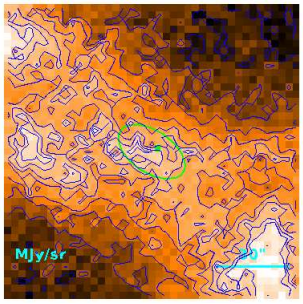
$R = \begin{cases} 41\farcs2 \\ 37\farcs0 \\ 2.69 \cdot 10^{-2} \text{ pc} \end{cases}$

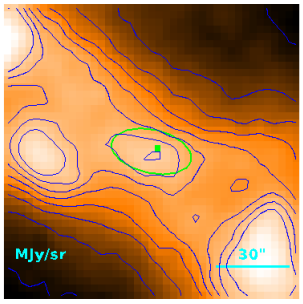
$M_{\rm BE} = (5.17) \cdot 10^{-1}\, M_{\odot}$

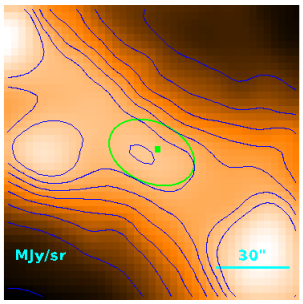
# Source no. 91

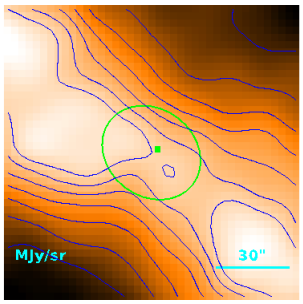
# HGBS-J160834.9-412324

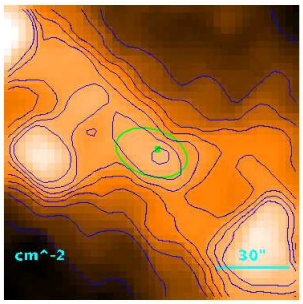


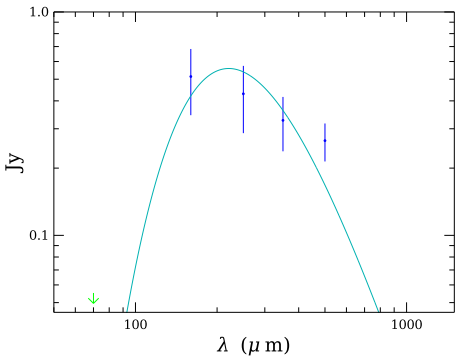




Physical properties of the source

$T = 13.1^{+2.0}_{-1.7}$ K

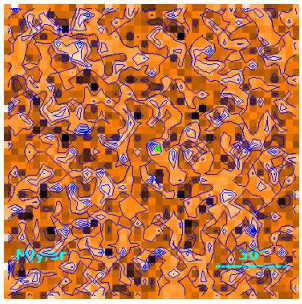
$M = \left(1.2^{+1.1}_{-0.6}\right) \cdot 10^{-2}\, M_\odot$

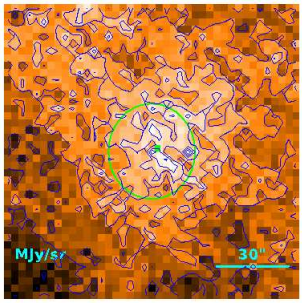
$R = \begin{cases} 24\farcs6 \\ 16\farcs6 \\ 1.20 \cdot 10^{-2} \text{ pc} \end{cases}$

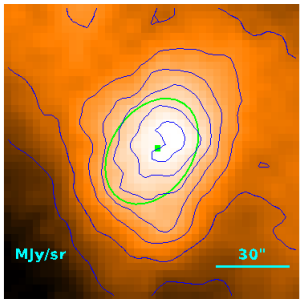
$M_{\rm BE} = (2.60) \cdot 10^{-1}\, M_\odot$

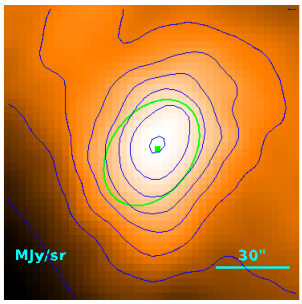
# Source no. 92

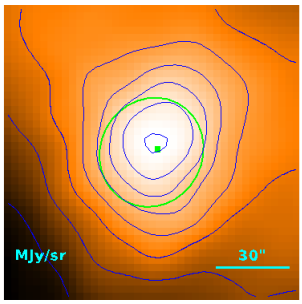
# HGBS-J160838.6-414431

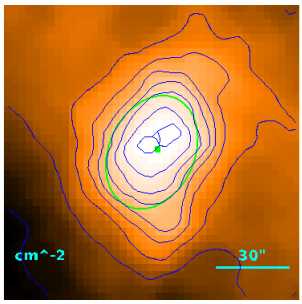


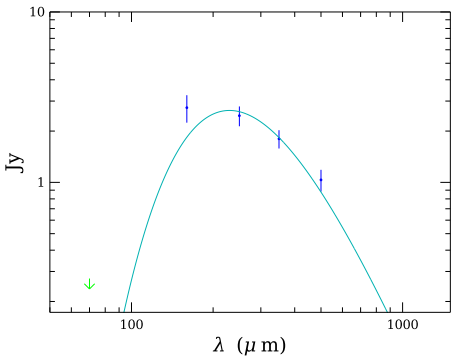




Physical properties of the source

$T = 12.61 \pm 0.30$ K

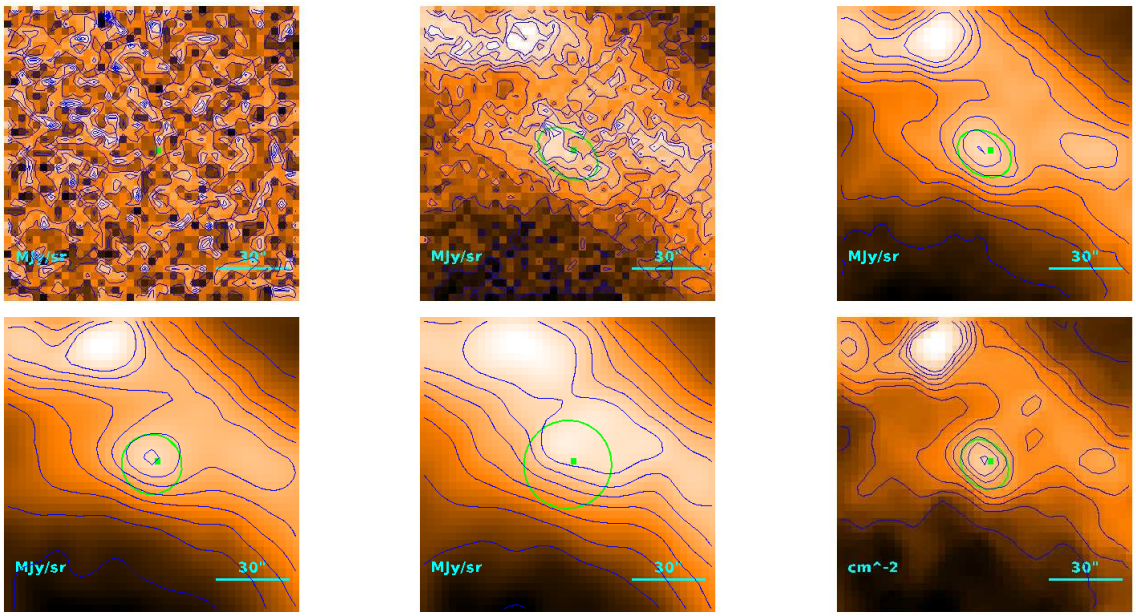
$M = \left(7.25^{+0.71}_{-0.62}\right) \cdot 10^{-2}\, M_{\odot}$

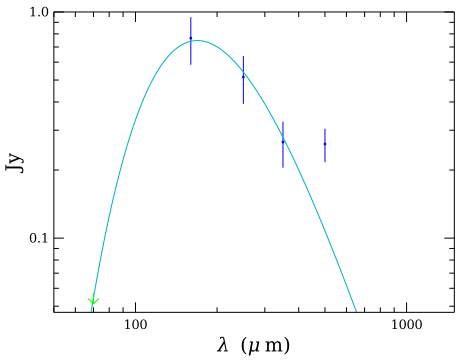
$R = \begin{cases} 42\farcs0 \\ 37\farcs9 \\ 2.75 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (5.71) \cdot 10^{-1}\, M_{\odot}$

# Source no. 93

# HGBS-J160838.8-412325




Physical properties of the source

$T = 17.1^{+0.3}_{-1.4}$ K

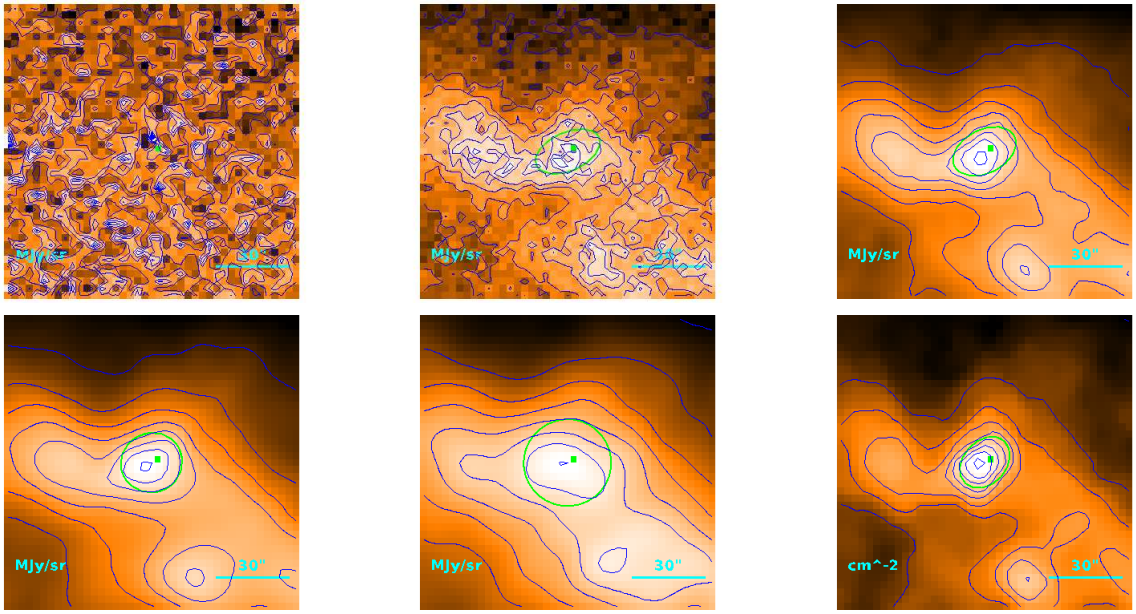
$M = \left(4.4^{+1.8}_{-0.6}\right) \cdot 10^{-3}\, M_{\odot}$

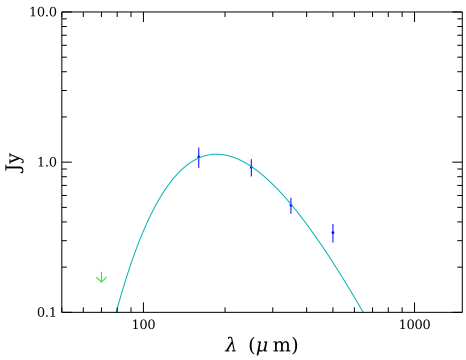
$$R = \begin{cases} 20\farcs2 \\ 8\farcs76 \\ 6.37 \cdot 10^{-3} \text{ pc} \end{cases}$$

$M_{\rm BE} = (1.80) \cdot 10^{-1}\, M_{\odot}$

# Source no. 94

# HGBS-J160840.5-412236




Physical properties of the source

$T = 15.57^{+0.39}_{-0.38}$ K

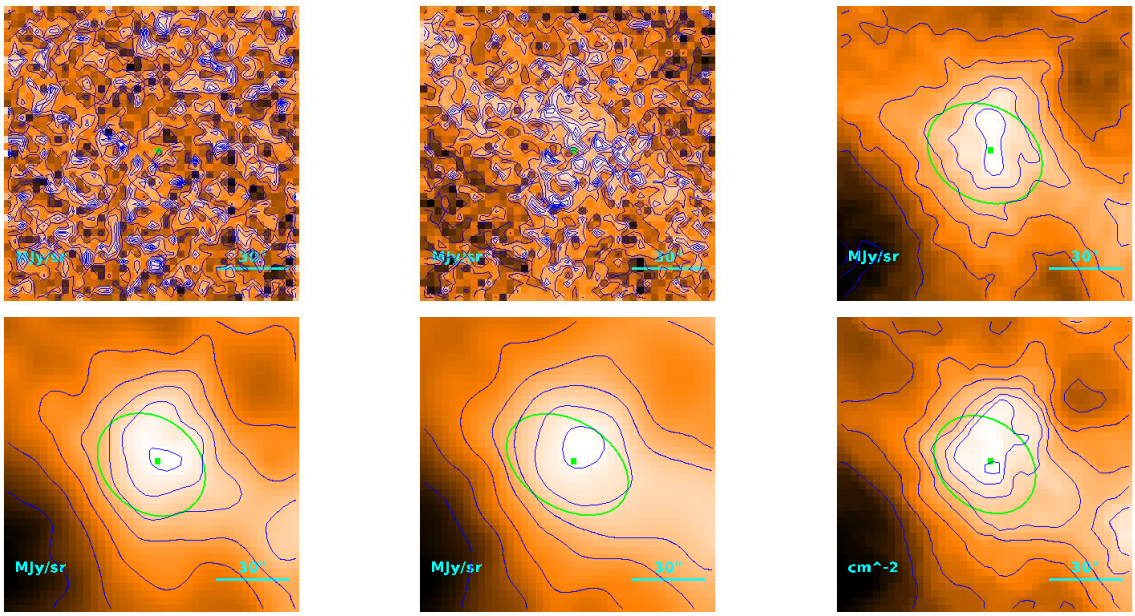
$M = \left(1.08^{+0.11}_{-0.10}\right) \cdot 10^{-2}\, M_\odot$

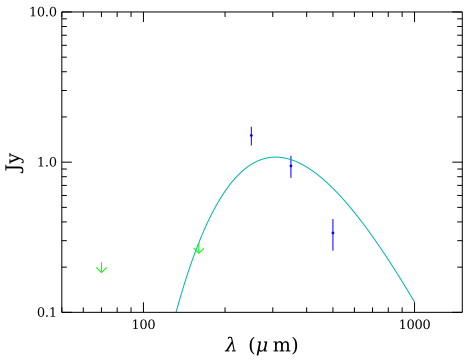
$R = \begin{cases} 20\farcs8 \\ 10\farcs1 \\ 7.32 \cdot 10^{-3} \text{ pc} \end{cases}$

$M_{\rm BE} = (1.87) \cdot 10^{-1}\, M_\odot$

# Source no. 95

# HGBS-J160843.2-414644




Physical properties of the source

$T = 9.43^{+0.18}_{-0.16}$ K

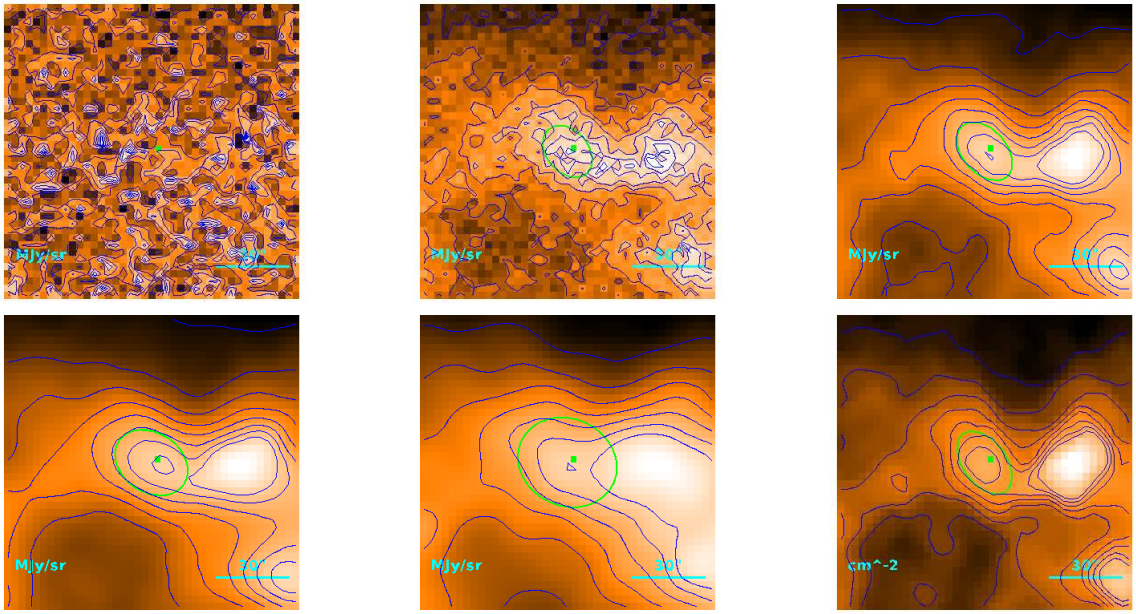
$M = (1.26 \pm 0.20) \cdot 10^{-1}\, M_{\odot}$

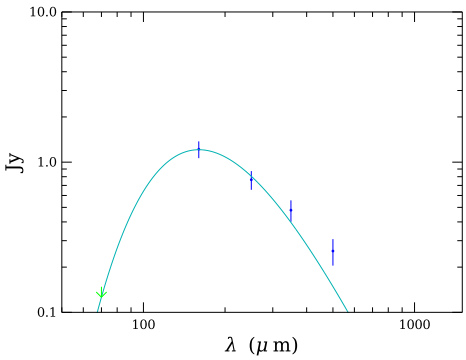
$R = \begin{cases} 41\farcs1 \\ 36\farcs9 \\ 2.68 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (4.15) \cdot 10^{-1}\, M_{\odot}$

# Source no. 96

# HGBS-J160843.8-412234




Physical properties of the source

$T = 18.10^{+0.48}_{-0.58}$ K

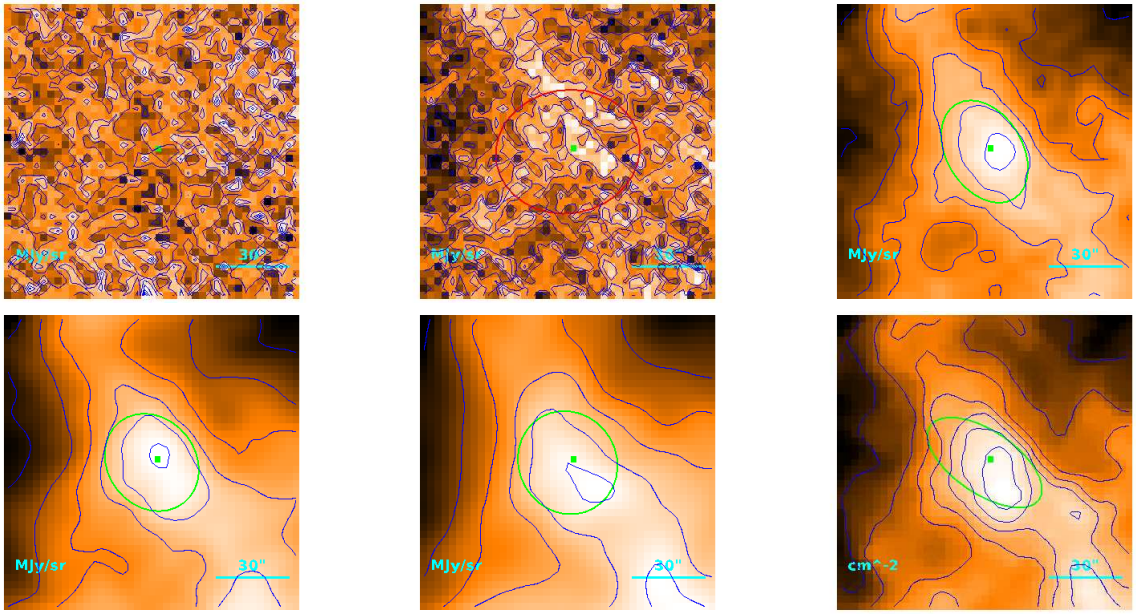
$M = \left(5.45^{+0.85}_{-0.68}\right) \cdot 10^{-3}\, M_{\odot}$

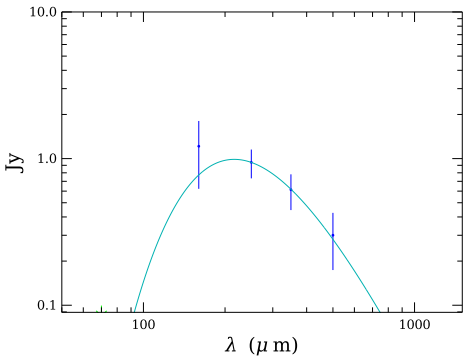
$R = \begin{cases} 23\farcs2 \\ 14\farcs4 \\ 1.05 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.11) \cdot 10^{-1}\, M_{\odot}$

# Source no. 97

# HGBS-J160844.5-414214




Physical properties of the source

$T = 13.40^{+0.83}_{-0.72}$ K

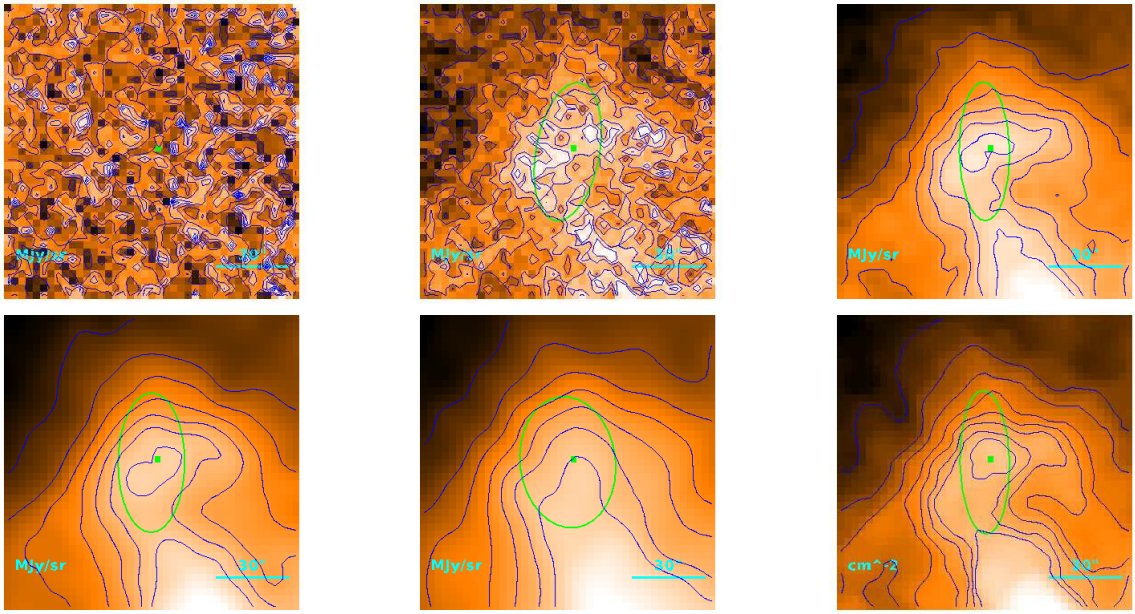
$M = \left(2.00^{+0.49}_{-0.41}\right) \cdot 10^{-2}\, M_{\odot}$

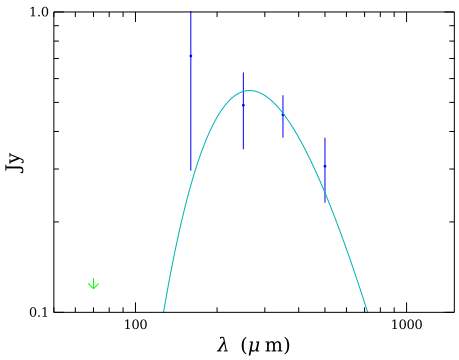
$R = \begin{cases} 37\farcs8 \\ 33\farcs1 \\ 2.41 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (5.31) \cdot 10^{-1}\, M_{\odot}$

# Source no. 98

# HGBS-J160846.4-414104




Physical properties of the source

$T = 11.0^{+1.8}_{-1.5}$ K

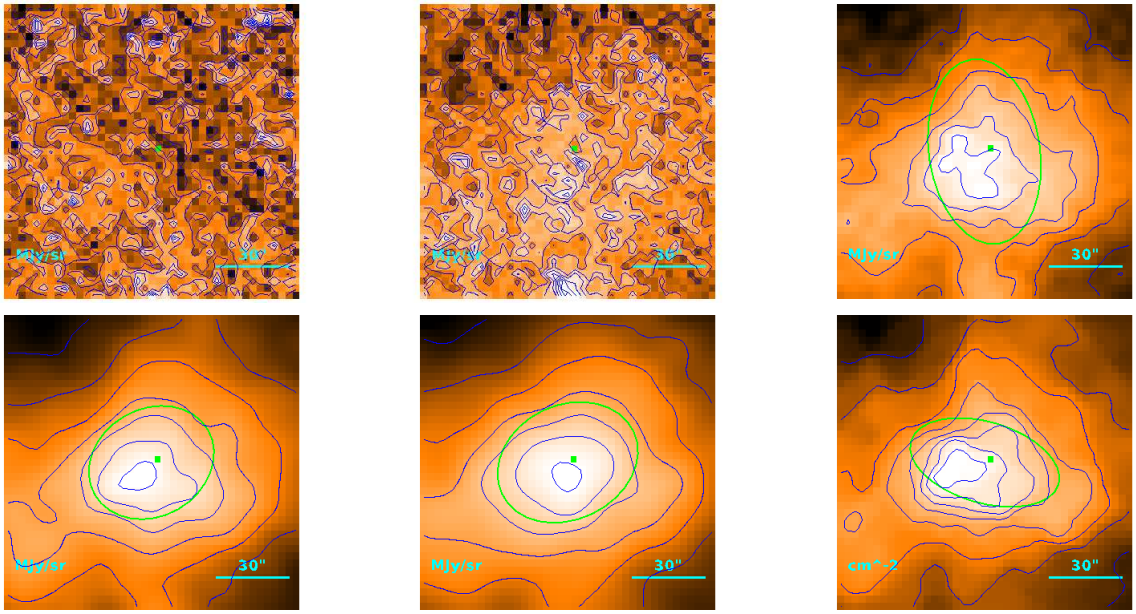
$M = \left(2.9^{+2.7}_{-1.3}\right) \cdot 10^{-2}\, M_{\odot}$

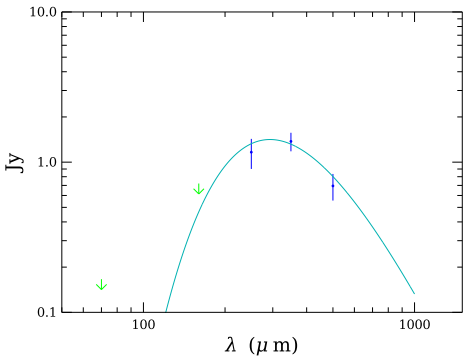
$R = \begin{cases} 35\farcs1 \\ 30\farcs0 \\ 2.18 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.94) \cdot 10^{-1}\, M_{\odot}$

# Source no. 99

# HGBS-J160847.0-413754




Physical properties of the source

$T = 9.89^{+0.55}_{-0.50}$ K

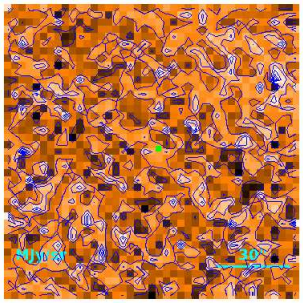
$M = \left(1.30^{+0.32}_{-0.26}\right) \cdot 10^{-1}\, M_{\odot}$

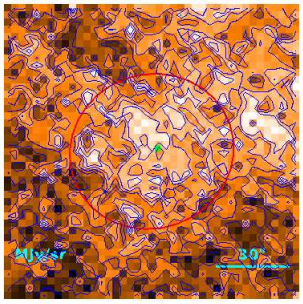
$$R = \begin{cases} 46\farcs6 \\ 42\farcs9 \\ 3.12 \cdot 10^{-2} \text{ pc} \end{cases}$$

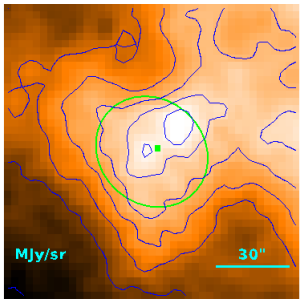
$M_{\rm BE} = (5.07) \cdot 10^{-1}\, M_{\odot}$

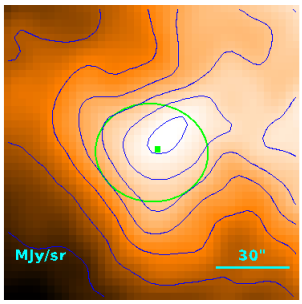
# Source no. 100

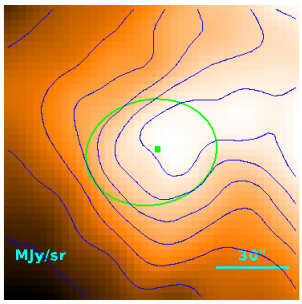
# HGBS-J160849.4-414342

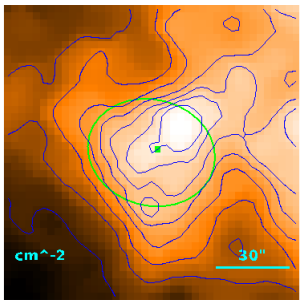


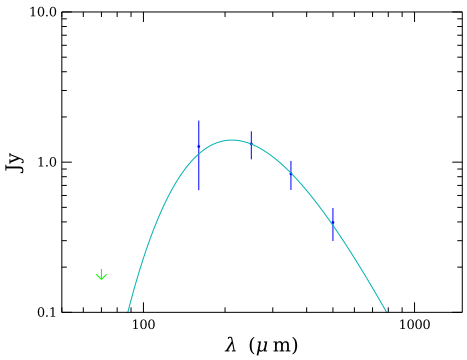




Physical properties of the source

$T = 13.67^{+0.55}_{-0.50}$ K

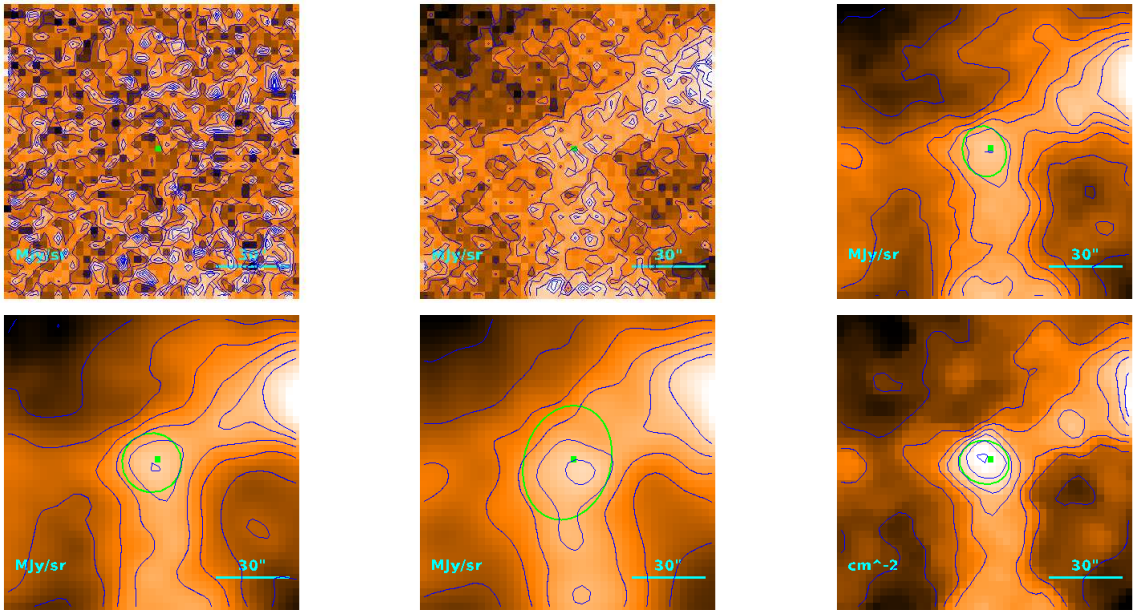
$M = \left(2.57^{+0.38}_{-0.34}\right) \cdot 10^{-2}\, M_{\odot}$

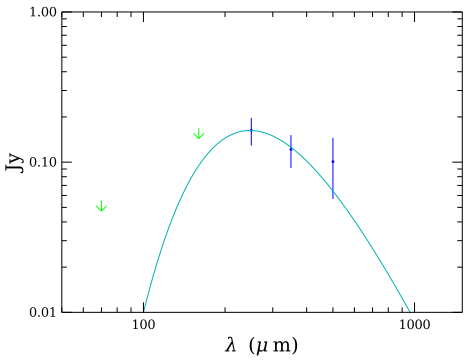
$$R = \begin{cases} 48\farcs7 \\ 45\farcs2 \\ 3.28 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (7.38) \cdot 10^{-1}\, M_{\odot}$

# Source no. 101

# HGBS-J160850.2-412259




Physical properties of the source

$T = 11.7^{+3.5}_{-2.2}$ K

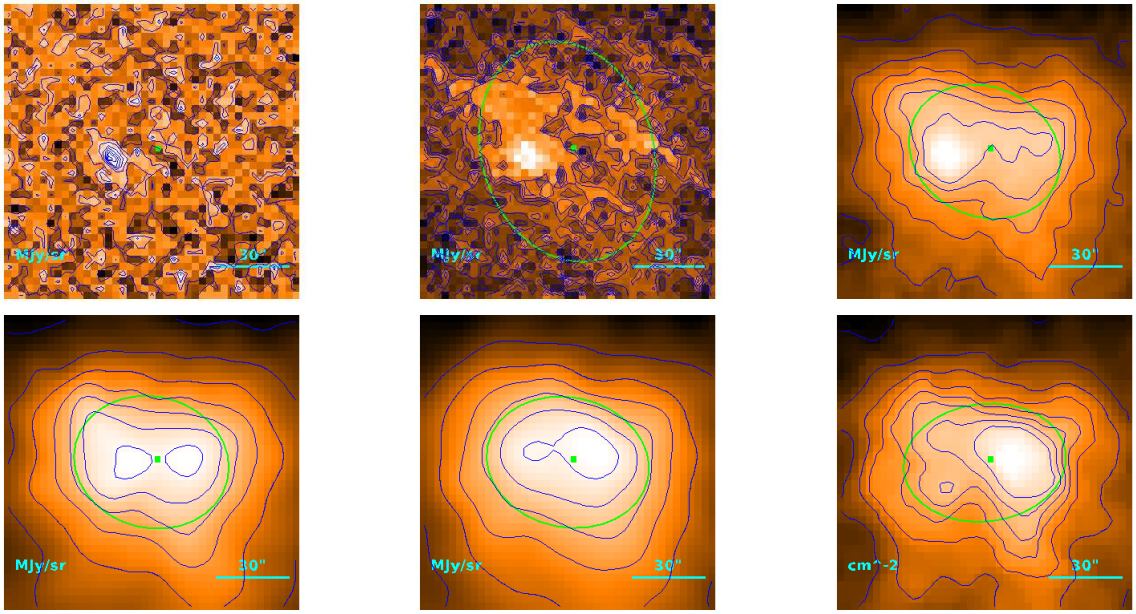
$M = \left(6^{+12}_{-4}\right) \cdot 10^{-3}\, M_\odot$

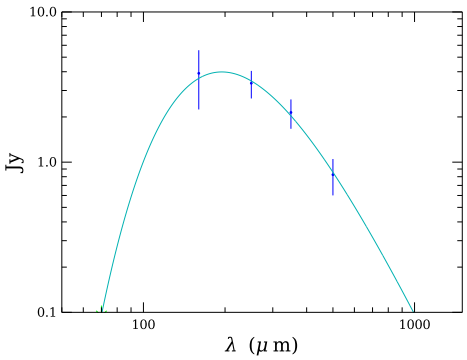
$$R = \begin{cases} 19\farcs5 \\ 7\farcs00 \\ 5.09 \cdot 10^{-3} \text{ pc} \end{cases}$$

$M_{\rm BE} = (9.81) \cdot 10^{-2}\, M_\odot$

# Source no. 102

# HGBS-J160853.3-414912




Physical properties of the source

$T = 14.90^{+0.25}_{-0.35}$ K

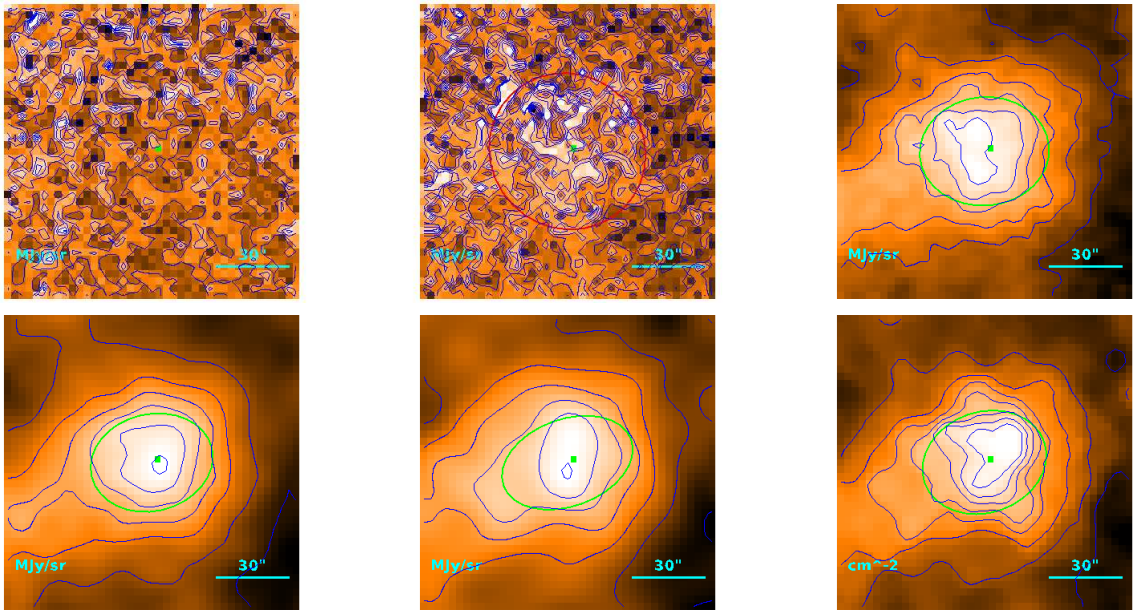
$M = (4.75 \pm 0.72) \cdot 10^{-2}\, M_\odot$

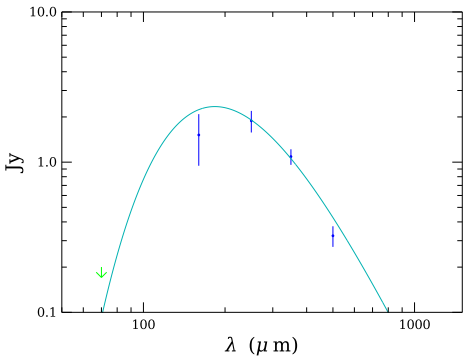
$R = \begin{cases} 57\farcs9 \\ 55\farcs0 \\ 4.00 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (9.79) \cdot 10^{-1}\, M_\odot$

# Source no. 103

# HGBS-J160905.7-414114




Physical properties of the source

$T = 15.80^{+0.87}_{-0.76}$ K

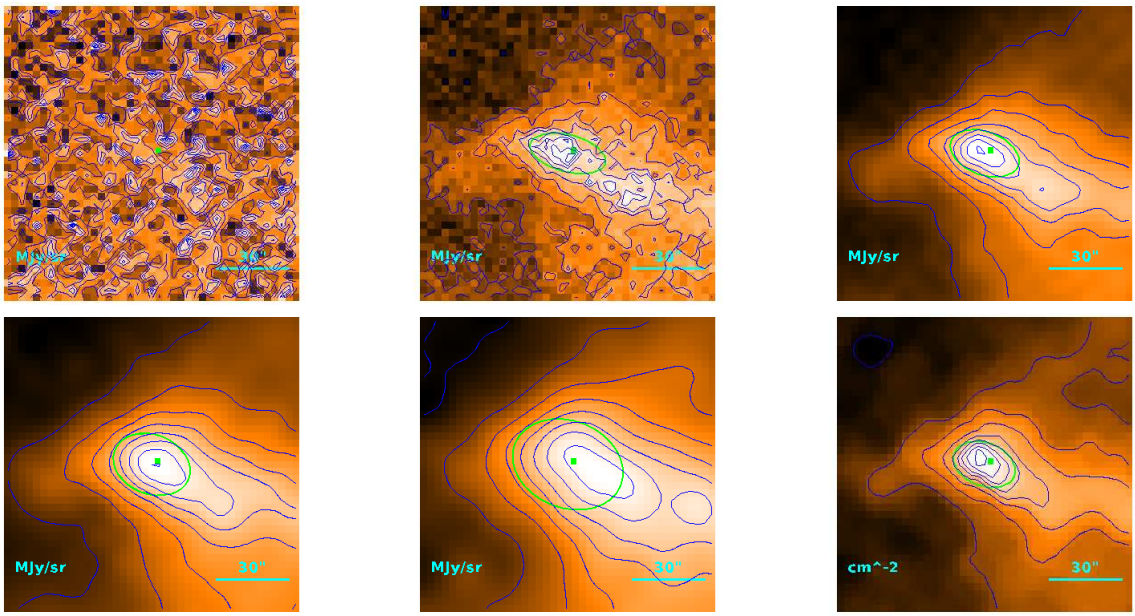
$M = \left(2.08^{+0.36}_{-0.32}\right) \cdot 10^{-2}\, M_{\odot}$

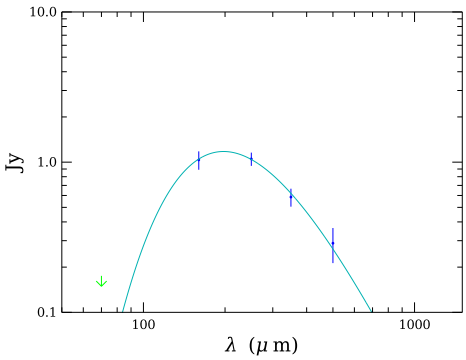
$R = \begin{cases} 47\farcs0 \\ 43\farcs3 \\ 3.15 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (8.18) \cdot 10^{-1}\, M_{\odot}$

# Source no. 104

# HGBS-J160907.7-412209




Physical properties of the source

$T = 14.67^{+0.19}_{-0.18}$ K

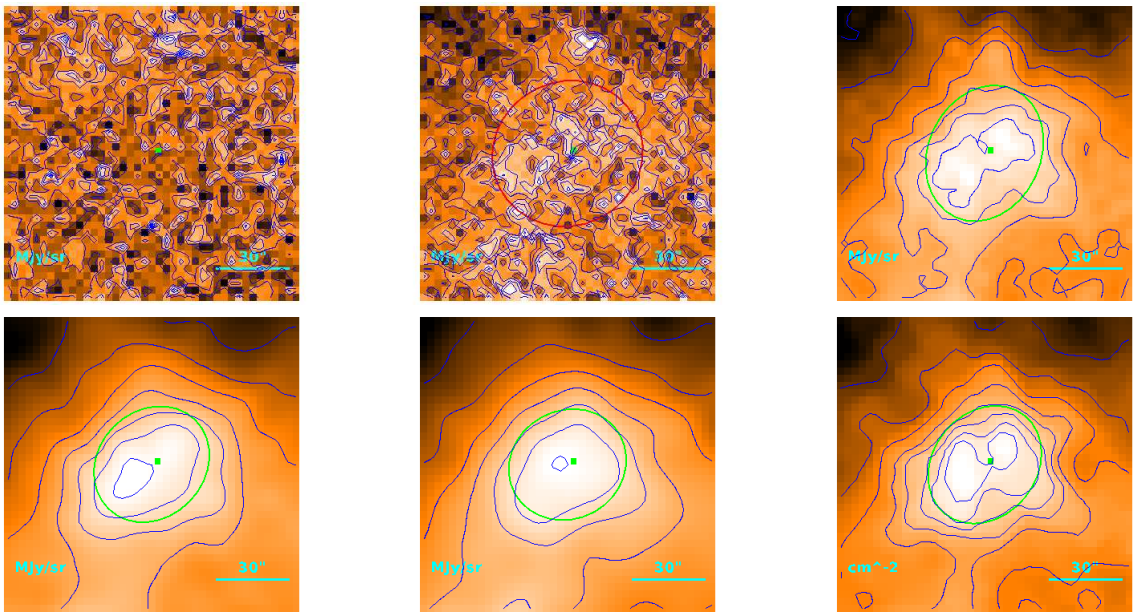
$M = (1.51 \pm 0.11) \cdot 10^{-2}\, M_{\odot}$

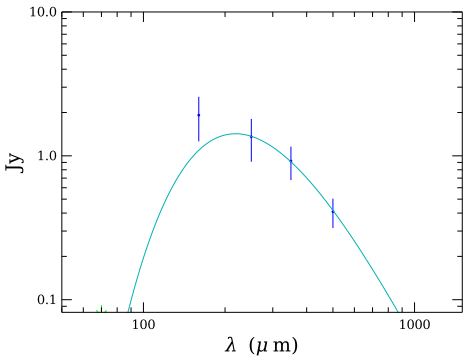
$$R = \begin{cases} 22\farcs1 \\ 12\farcs5 \\ 9.12 \cdot 10^{-3} \text{ pc} \end{cases}$$

$M_{\rm BE} = (2.20) \cdot 10^{-1}\, M_{\odot}$

# Source no. 105

# HGBS-J160908.1-414855




Physical properties of the source

$T = 13.25^{+0.55}_{-0.50}$ K

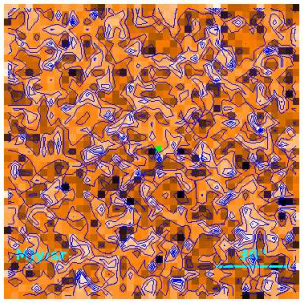
$M = (3.05 \pm 0.59) \cdot 10^{-2}\, M_\odot$

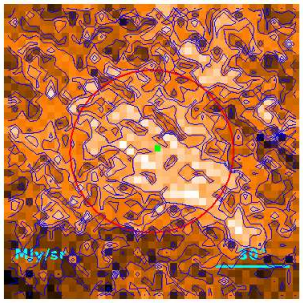
$R = \begin{cases} 47\farcs7 \\ 44\farcs1 \\ 3.21 \cdot 10^{-2} \text{ pc} \end{cases}$

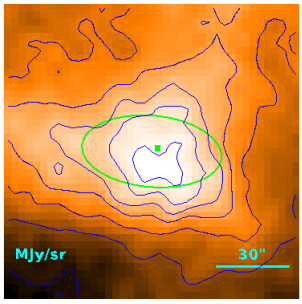
$M_{\rm BE} = (6.98) \cdot 10^{-1}\, M_\odot$

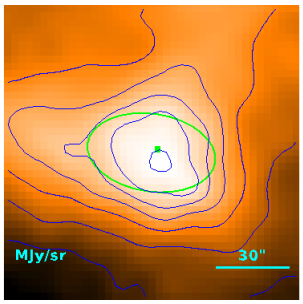
# Source no. 106

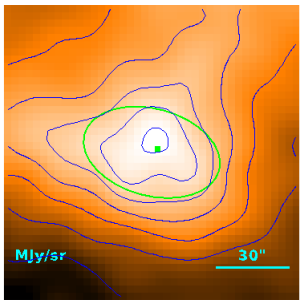
# HGBS-J160911.8-415035

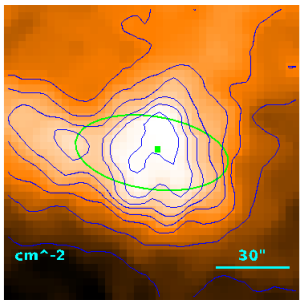


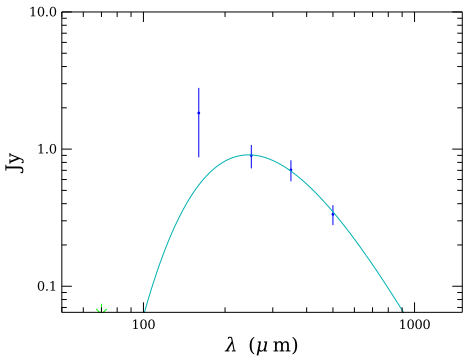




Physical properties of the source

$T = 11.86^{+0.44}_{-0.40}$ K

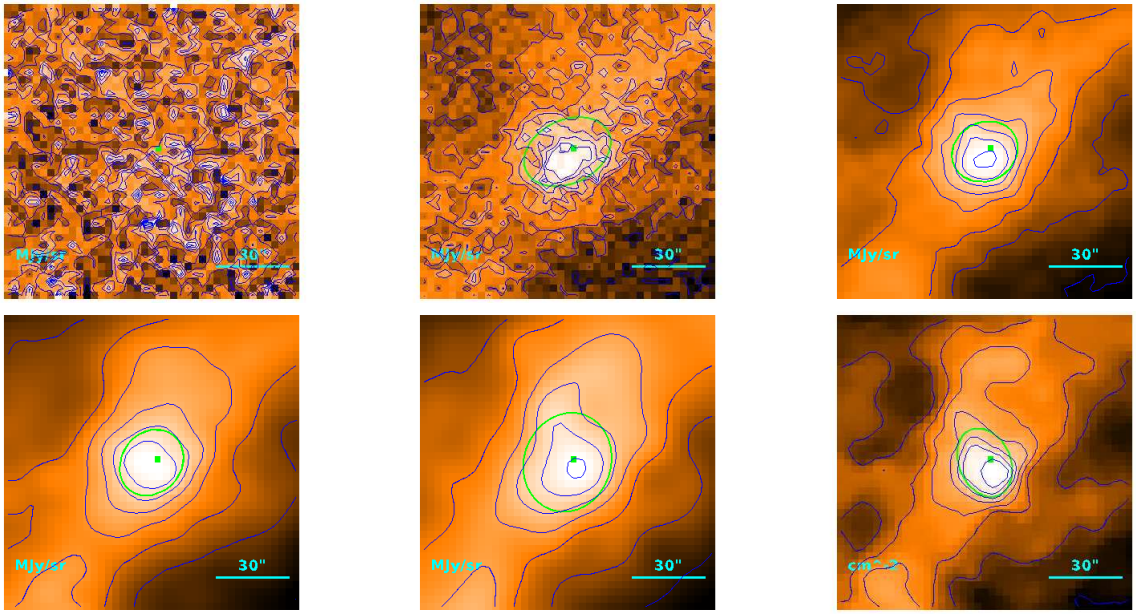
$M = \left(3.38^{+0.49}_{-0.45}\right) \cdot 10^{-2}\, M_{\odot}$

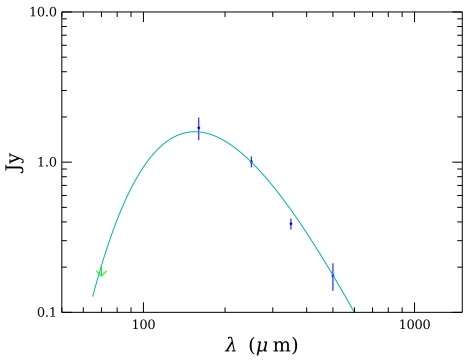
$$R = \begin{cases} 44\farcs2 \\ 40\farcs3 \\ 2.93 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (5.71) \cdot 10^{-1}\, M_{\odot}$

# Source no. 107

# HGBS-J160912.6-412445




Physical properties of the source

$T = 18.72^{+0.06}_{-0.12}$ K

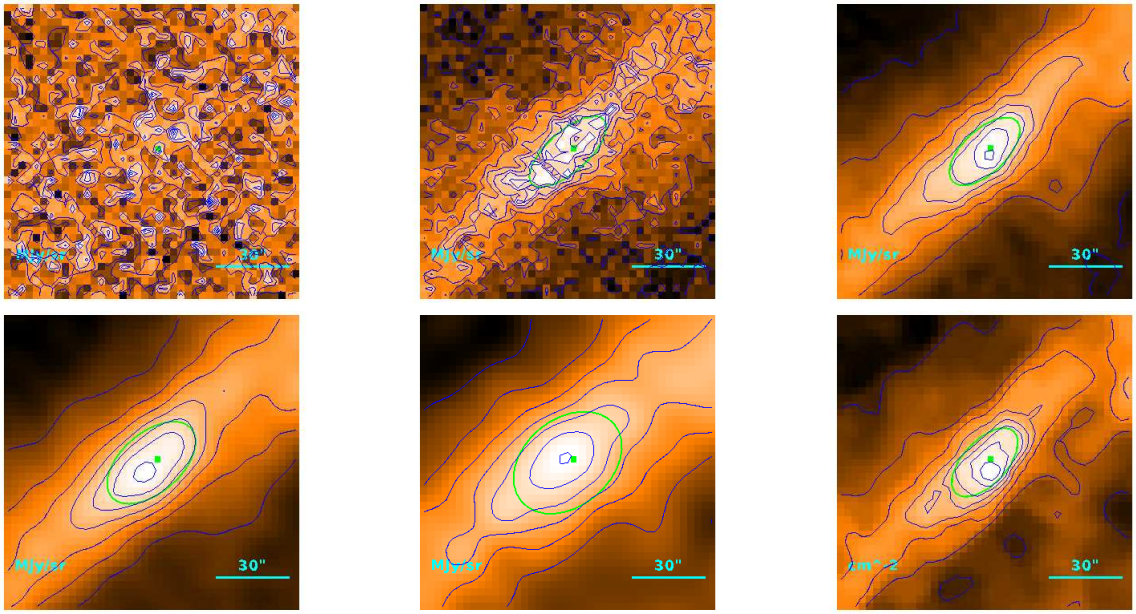
$M = (6.07 \pm 0.55) \cdot 10^{-3}\, M_\odot$

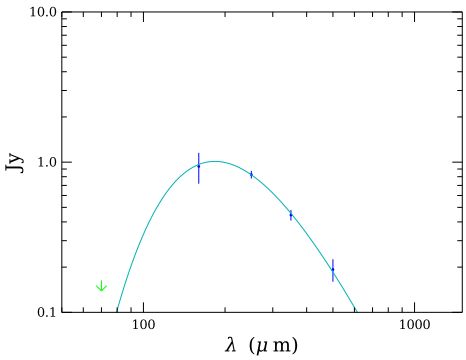
$R = \begin{cases} 25\farcs4 \\ 17\farcs7 \\ 1.29 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.96) \cdot 10^{-1}\, M_\odot$

# Source no. 108

# HGBS-J160921.9-412629




Physical properties of the source

$T = 15.79^{+0.31}_{-0.29}$ K

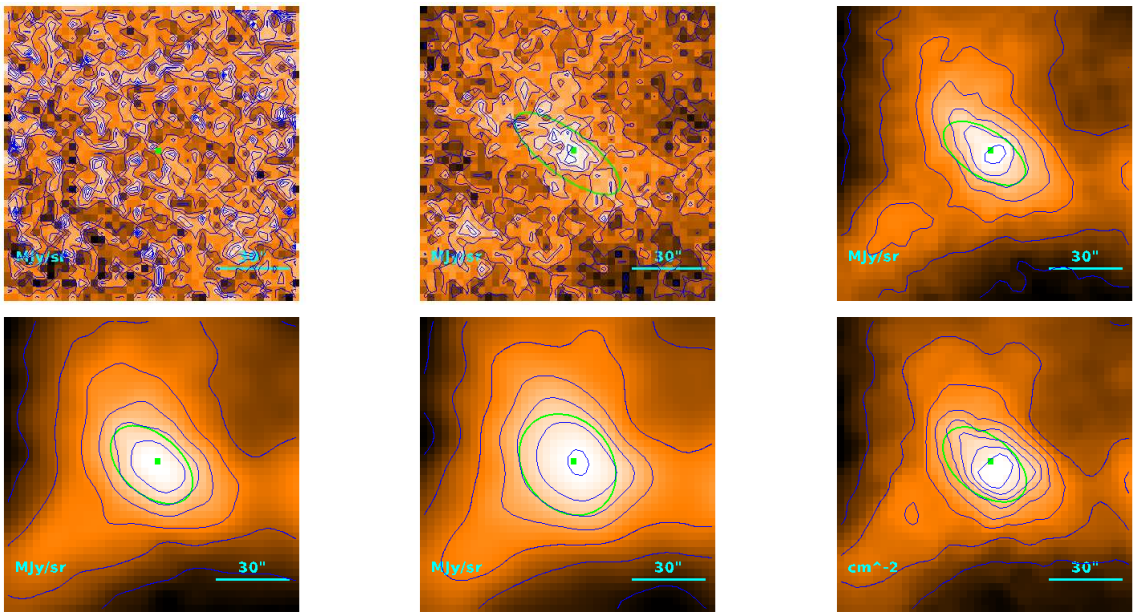
$M = \left(9.02^{+0.64}_{-0.62}\right) \cdot 10^{-3}\, M_{\odot}$

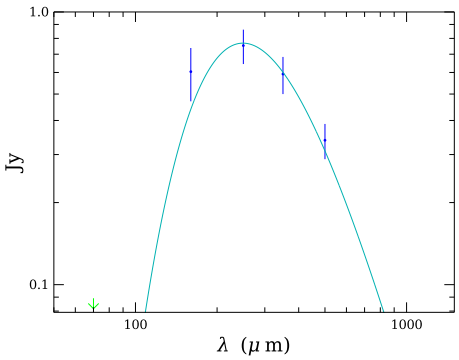
$R = \begin{cases} 25\farcs6 \\ 18\farcs0 \\ 1.31 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.40) \cdot 10^{-1}\, M_{\odot}$

# Source no. 109

# HGBS-J160922.4-415011




Physical properties of the source

$T = 11.63^{+0.50}_{-0.47}$ K

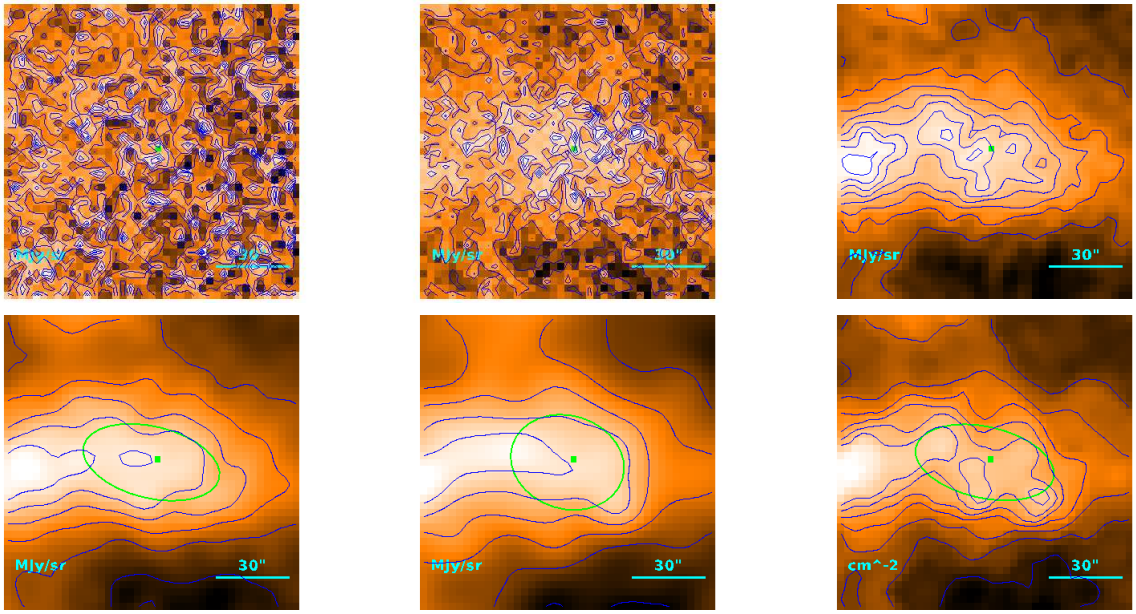
$M = \left(3.16^{+0.61}_{-0.51}\right) \cdot 10^{-2}\, M_{\odot}$

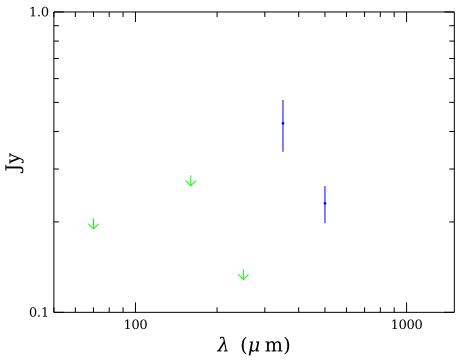
$R = \begin{cases} 31\farcs2 \\ 25\farcs3 \\ 1.84 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.52) \cdot 10^{-1}\, M_{\odot}$

# Source no. 110

# HGBS-J160933.7-415321




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

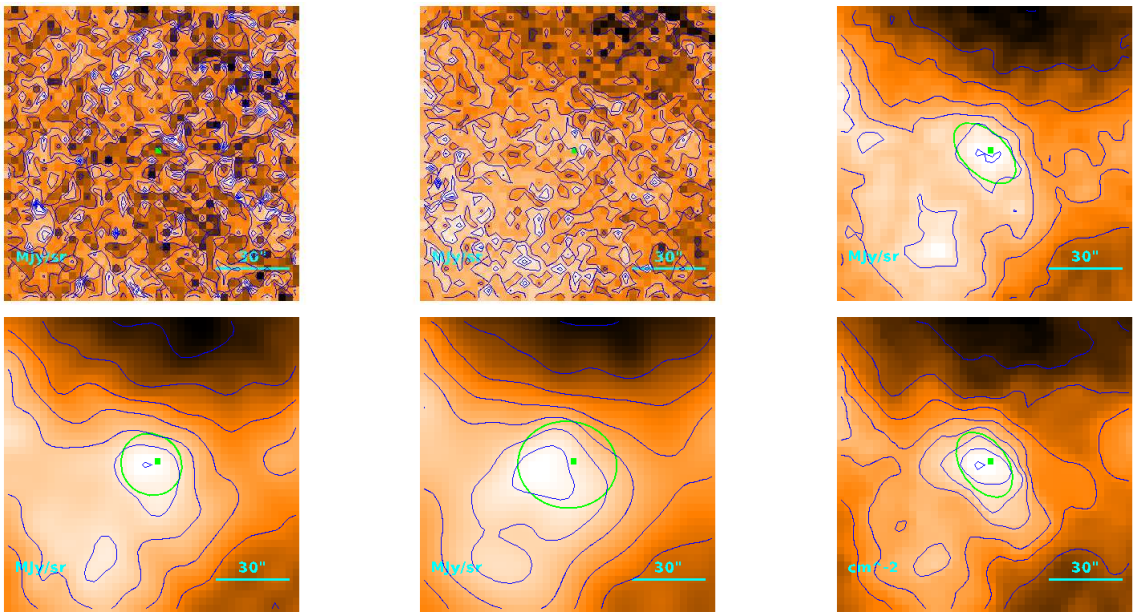
$M = \left(2.37^{+0.68}_{-0.46}\right) \cdot 10^{-2}\, M_{\odot}$

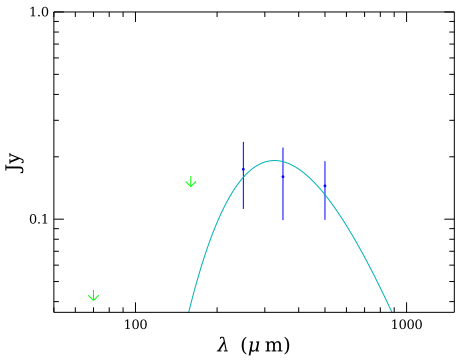
$R = \begin{cases} 41\farcs9 \\ 37\farcs7 \\ 2.74 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (5.23) \cdot 10^{-1}\, M_{\odot}$

# Source no. 111

# HGBS-J160933.8-415110




Physical properties of the source

$T = 8.9^{+2.9}_{-1.9}$ K

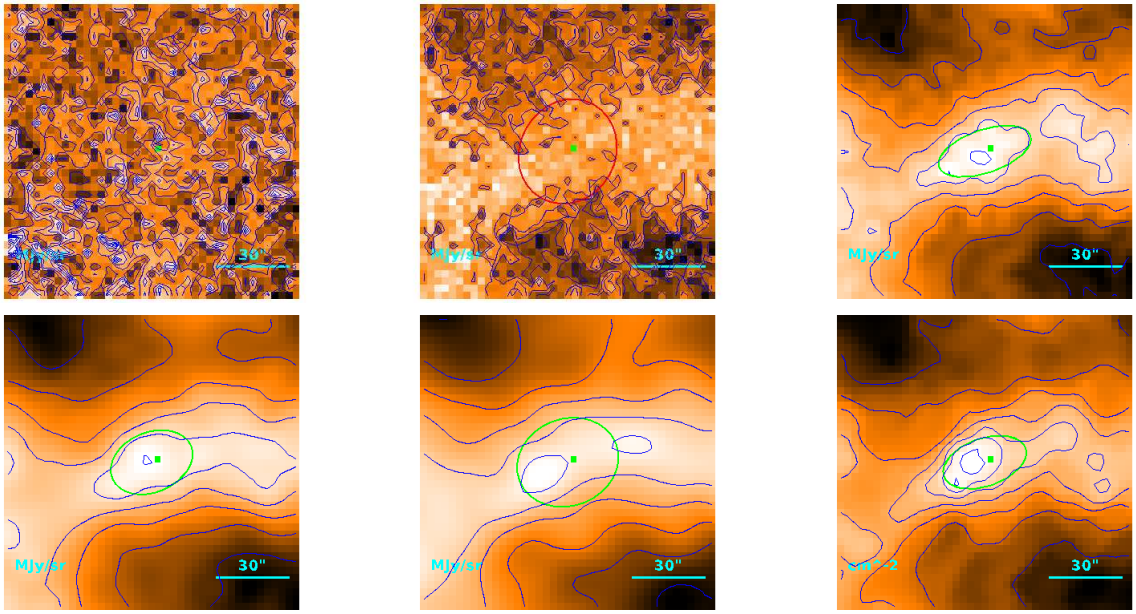
$M = \left(3.0^{+6.2}_{-2.2}\right) \cdot 10^{-2}\, M_{\odot}$

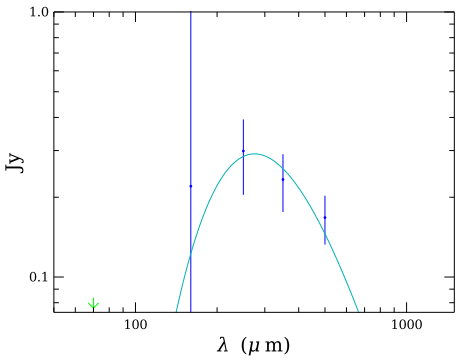
$R = \begin{cases} 24\farcs2 \\ 15\farcs9 \\ 1.16 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (1.70) \cdot 10^{-1}\, M_{\odot}$

# Source no. 112

# HGBS-J160938.3-415324




Physical properties of the source

$T = 10.5^{+2.5}_{-1.7}$ K

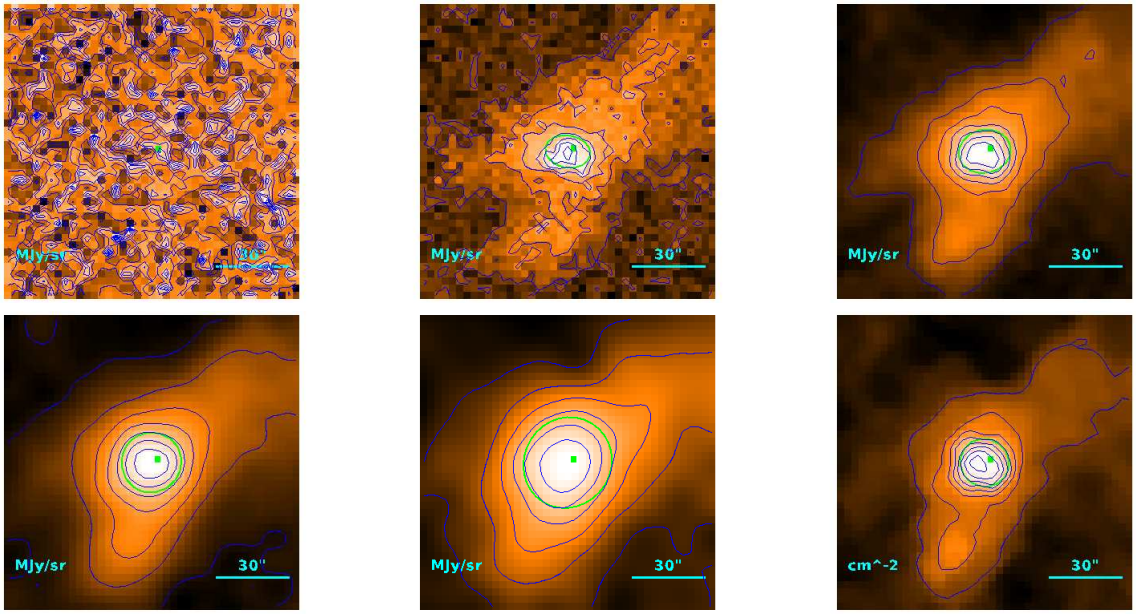
$M = \left(1.9^{+2.3}_{-1.2}\right) \cdot 10^{-2}\, M_{\odot}$

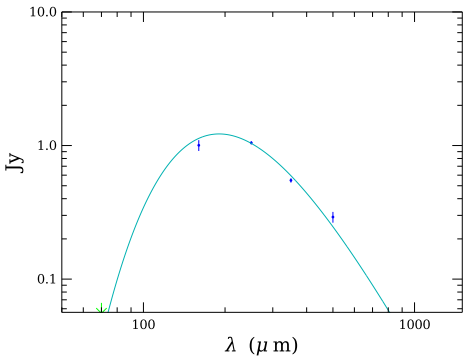
$$R = \begin{cases} 26\farcs8 \\ 19\farcs7 \\ 1.43 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (2.48) \cdot 10^{-1}\, M_{\odot}$

# Source no. 113

# HGBS-J160939.0-412815




Physical properties of the source

$T = 15.24^{+0.22}_{-0.23}$ K

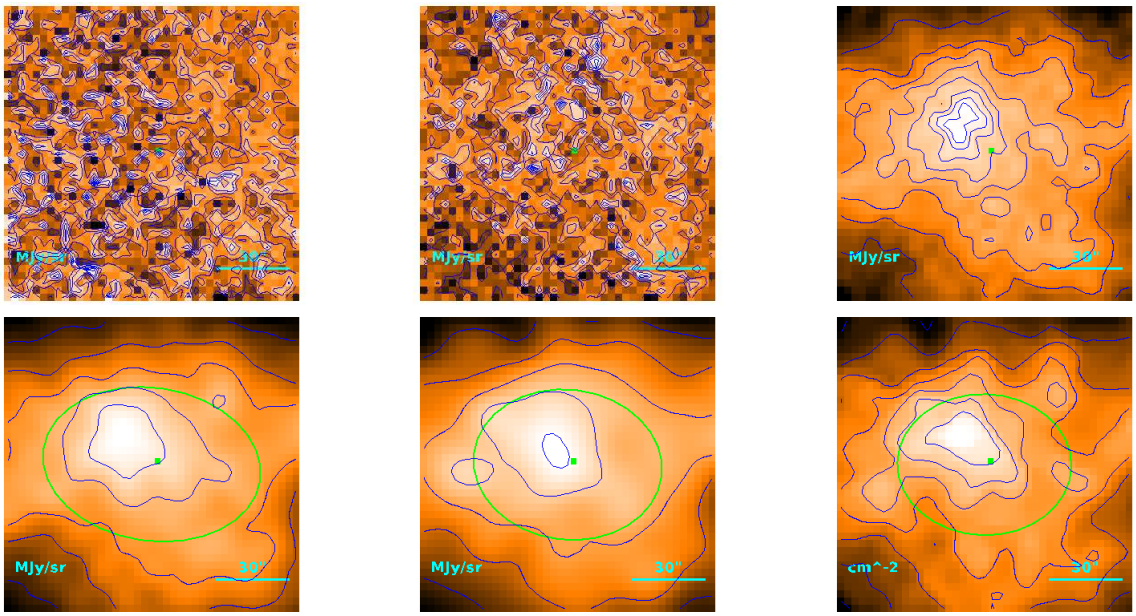
$M = \left(1.301^{+0.078}_{-0.069}\right) \cdot 10^{-2}\, M_{\odot}$

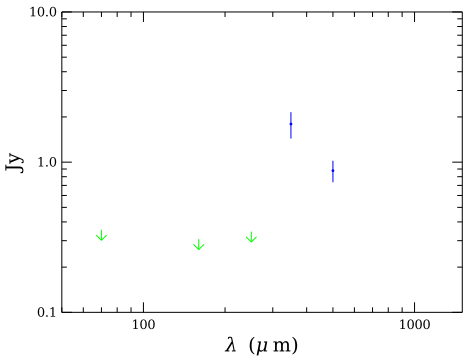
$R = \begin{cases} 20\farcs1 \\ 8\farcs53 \\ 6.20 \cdot 10^{-3} \text{ pc} \end{cases}$

$M_{\mathrm{BE}} = (1.55) \cdot 10^{-1}\, M_{\odot}$

# Source no. 114

# HGBS-J160946.4-415348




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

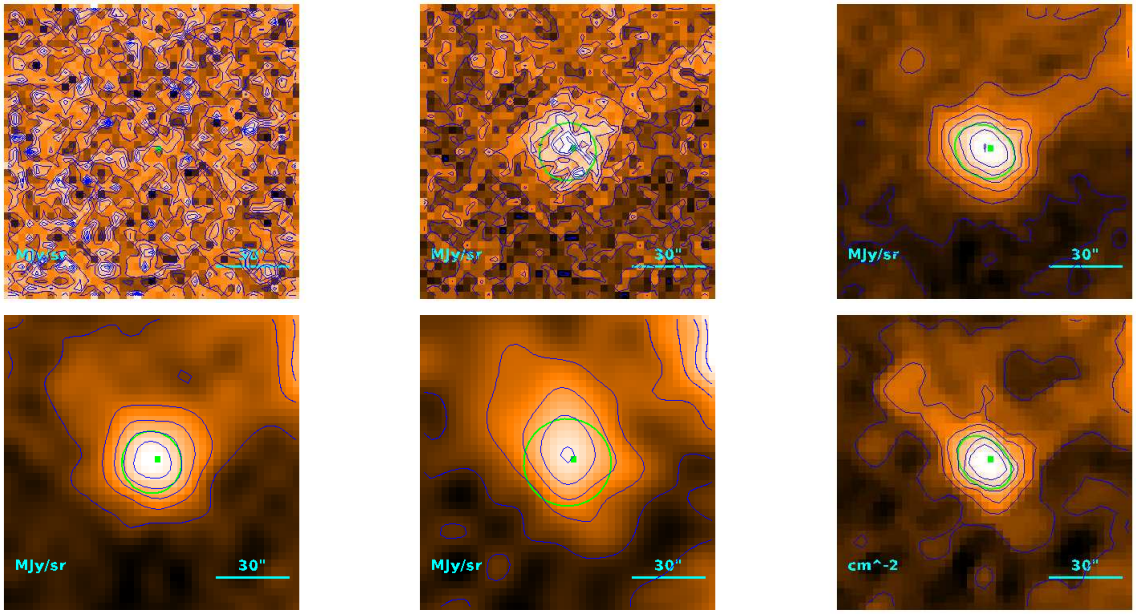
$M = \left(9.0^{+2.6}_{-1.8}\right) \cdot 10^{-2}\, M_{\odot}$

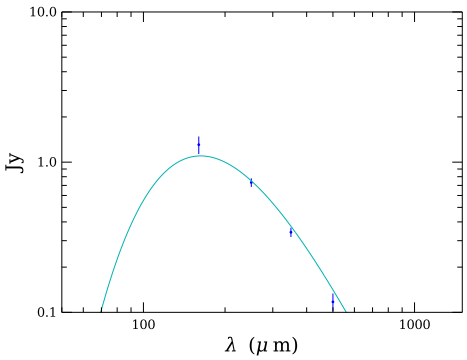
$$R = \begin{cases} 65\farcs4 \\ 62\farcs8 \\ 4.57 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (8.71) \cdot 10^{-1}\, M_{\odot}$

# Source no. 115

# HGBS-J160946.8-412935




Physical properties of the source

$T = 17.83^{+0.06}_{-0.11}$ K

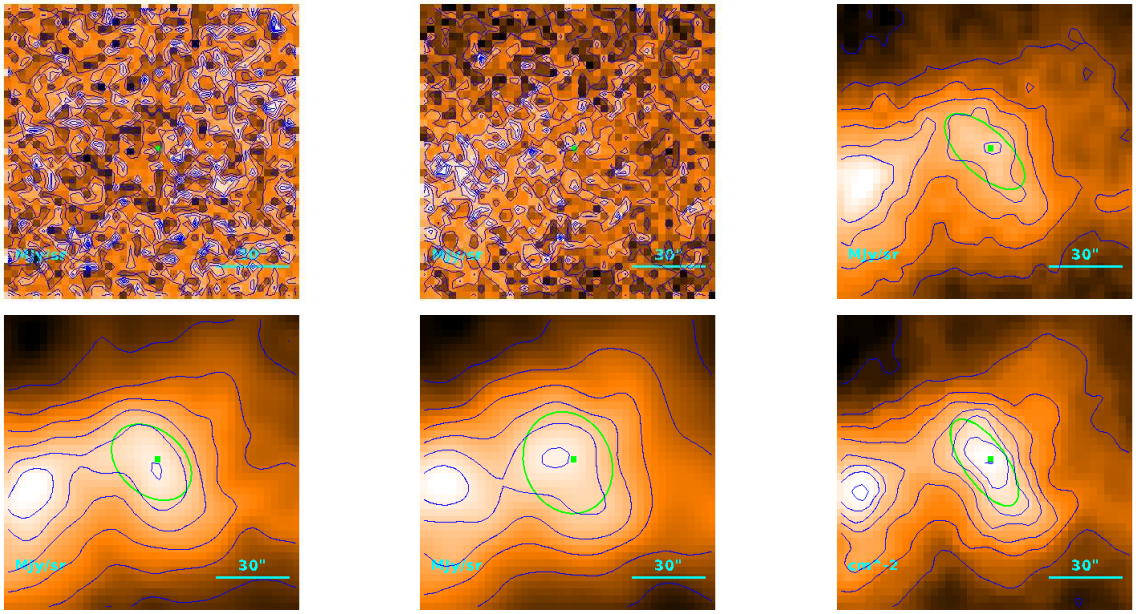
$M = (5.34 \pm 0.37) \cdot 10^{-3}\, M_{\odot}$

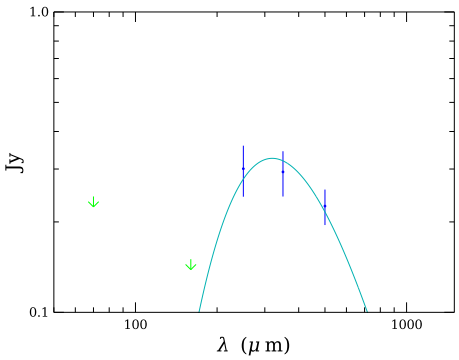
$$R = \begin{cases} 21\farcs8 \\ 12\farcs0 \\ 8.73 \cdot 10^{-3} \text{ pc} \end{cases}$$

$M_{\rm BE} = (2.56) \cdot 10^{-1}\, M_{\odot}$

# Source no. 116

# HGBS-J160954.8-415024




Physical properties of the source

$T = 9.07^{+0.86}_{-0.76}$ K

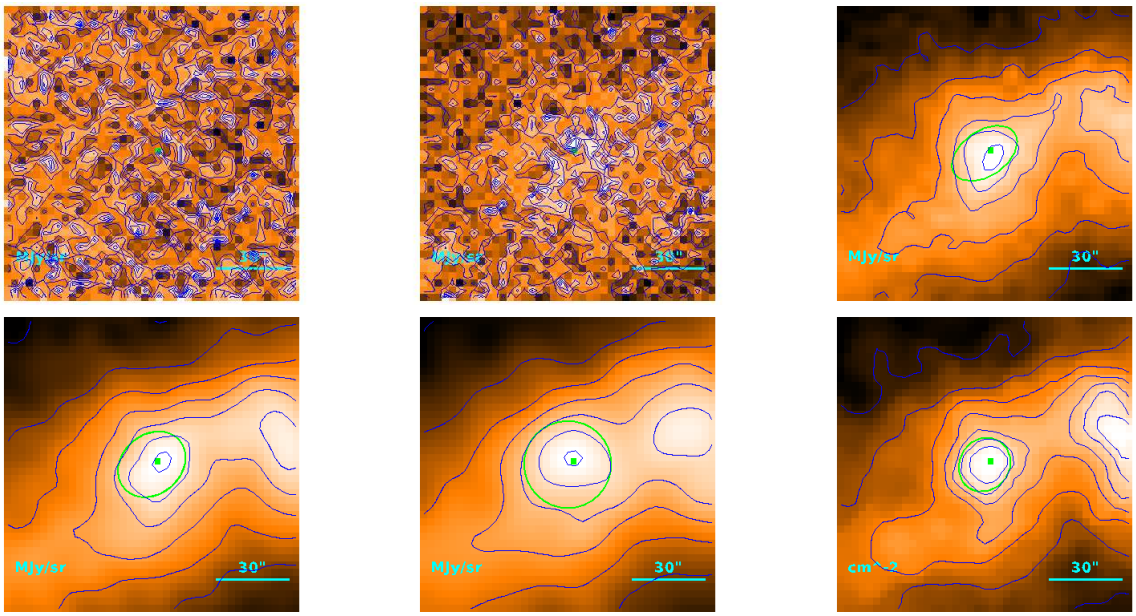
$M = \left(4.6^{+2.2}_{-1.5}\right) \cdot 10^{-2}\, M_{\odot}$

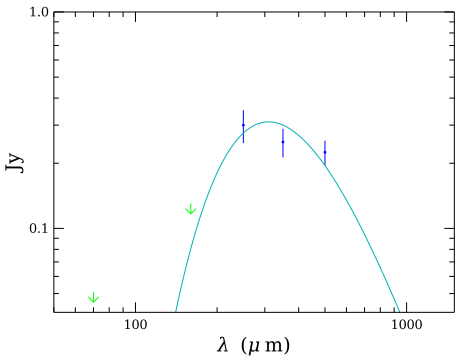
$R = \begin{cases} 27\farcs8 \\ 21\farcs0 \\ 1.53 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (2.28) \cdot 10^{-1}\, M_{\odot}$

# Source no. 117

# HGBS-J160959.7-415035




Physical properties of the source

$T = 9.4^{+1.1}_{-0.9}$ K

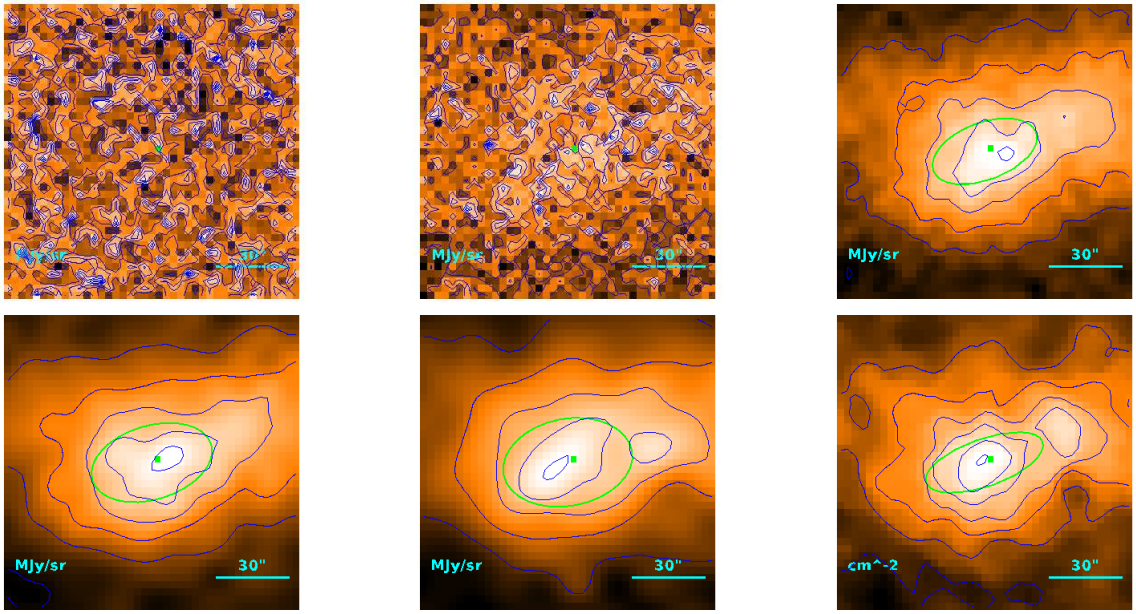
$M = \left(3.7^{+2.2}_{-1.5}\right) \cdot 10^{-2}\, M_{\odot}$

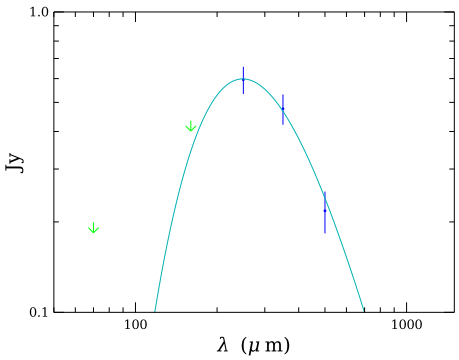
$R = \begin{cases} 22\farcs0 \\ 12\farcs4 \\ 8.99 \cdot 10^{-3} \text{ pc} \end{cases}$

$M_{\rm BE} = (1.38) \cdot 10^{-1}\, M_{\odot}$

# Source no. 118

# HGBS-J161008.5-415421




Physical properties of the source

$T = 11.65^{+0.60}_{-0.54}$ K

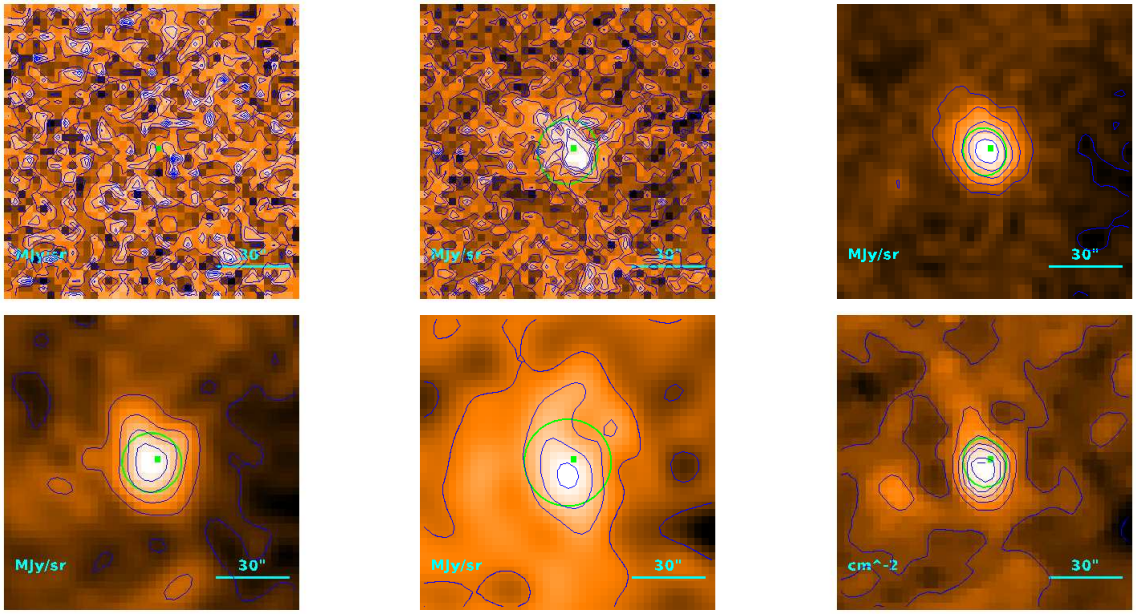
$M = \left(2.44^{+0.56}_{-0.47}\right) \cdot 10^{-2}\, M_{\odot}$

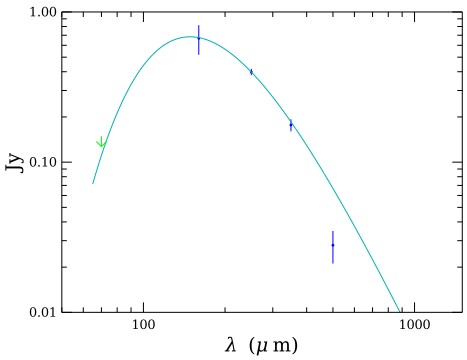
$R = \begin{cases} 32\farcs0 \\ 26\farcs3 \\ 1.91 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.67) \cdot 10^{-1}\, M_{\odot}$

# Source no. 119

# HGBS-J161013.1-412259




Physical properties of the source

$T = 19.50^{+0.78}_{-0.75}$ K

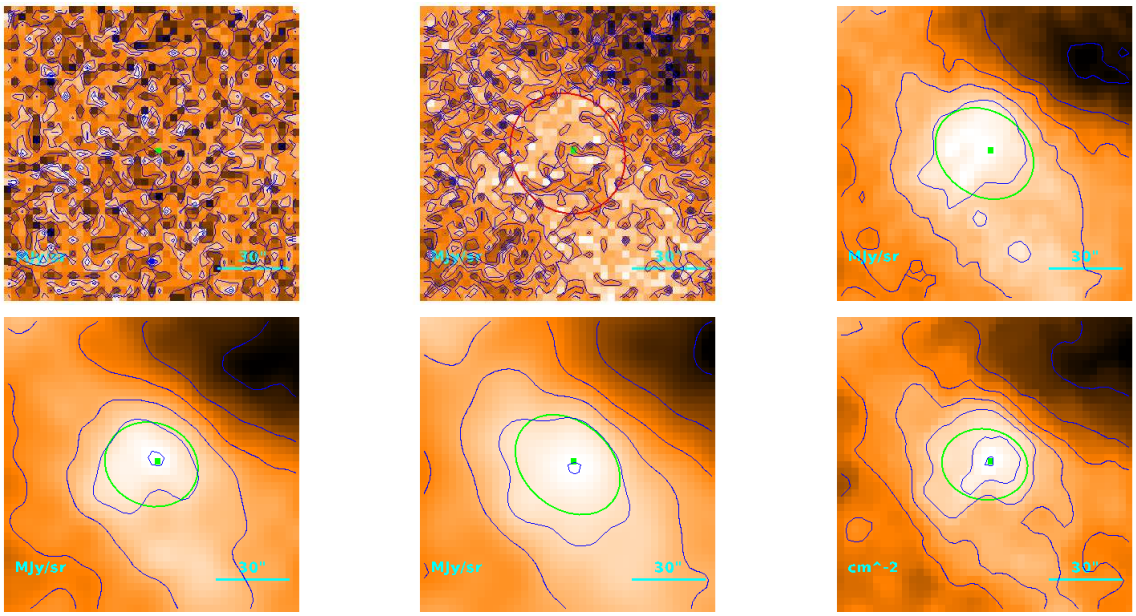
$M = \left(2.12^{+0.28}_{-0.24}\right) \cdot 10^{-3}\, M_{\odot}$

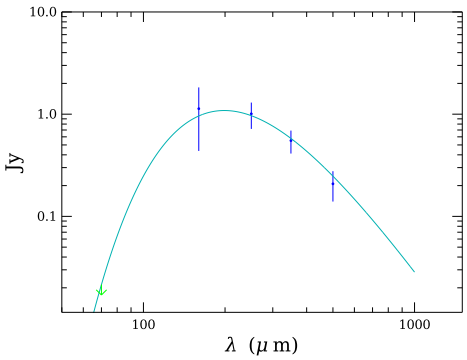
$R = \begin{cases} 19\farcs5 \\ 7\farcs00 \\ 5.09 \cdot 10^{-3} \text{ pc} \end{cases}$

$M_{\rm BE} = (1.63) \cdot 10^{-1}\, M_{\odot}$

# Source no. 120

# HGBS-J161040.8-414843




Physical properties of the source

$T = 14.58^{+0.10}_{-0.80}$ K

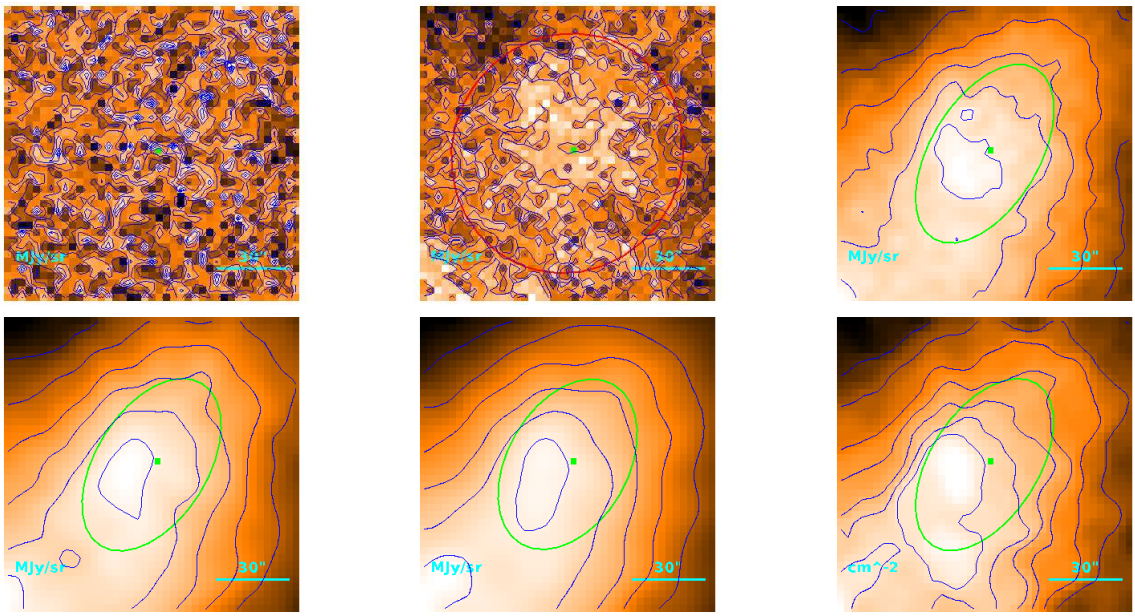
$M = \left(1.44^{+0.33}_{-0.13}\right) \cdot 10^{-2}\, M_{\odot}$

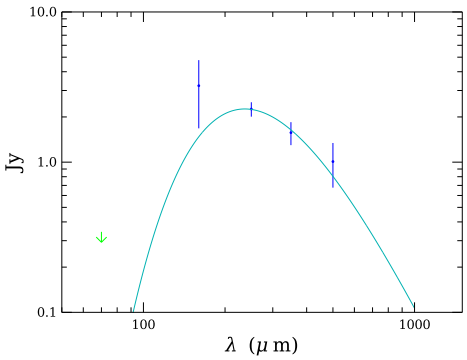
$R = \begin{cases} 32\farcs5 \\ 26\farcs9 \\ 1.96 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (4.69) \cdot 10^{-1}\, M_{\odot}$

# Source no. 121

# HGBS-J161045.9-413953




Physical properties of the source

$T = 12.25^{+0.48}_{-0.44}$ K

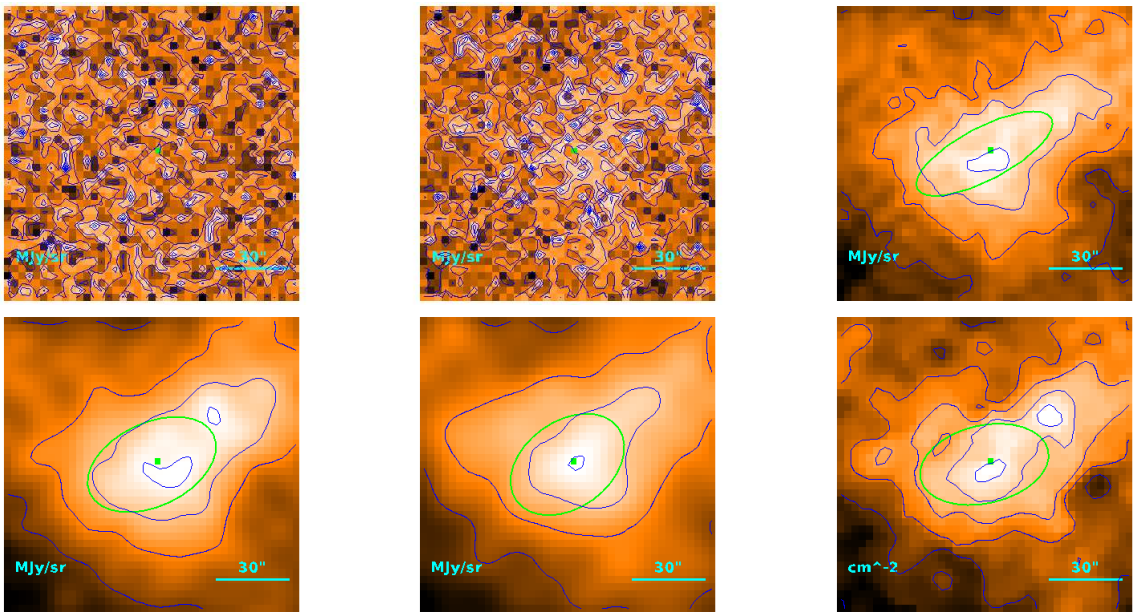
$M = \left(7.1^{+1.3}_{-1.1}\right) \cdot 10^{-2}\, M_\odot$

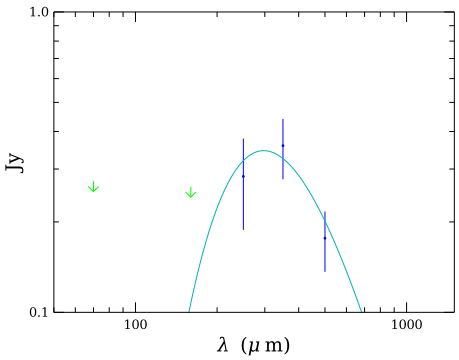
$$R = \begin{cases} 60\farcs0 \\ 57\farcs2 \\ 4.16 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (8.37) \cdot 10^{-1}\, M_\odot$

# Source no. 122

# HGBS-J161105.9-414939




Physical properties of the source

$T = 9.8^{+1.8}_{-1.3}$ K

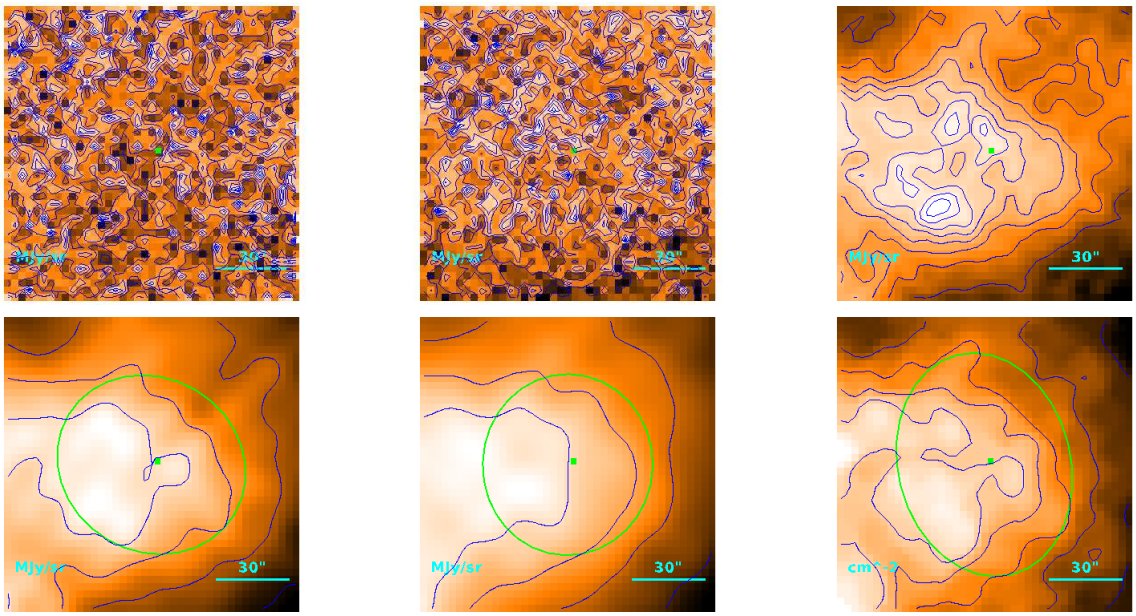
$M = \left(3.4^{+3.1}_{-1.7}\right) \cdot 10^{-2}\, M_{\odot}$

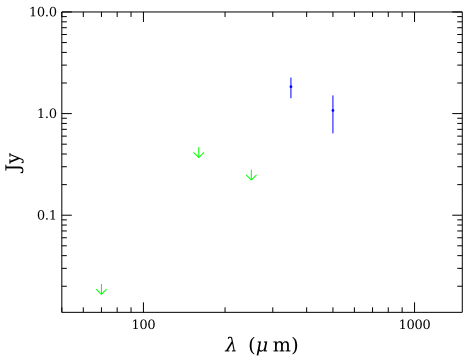
$R = \begin{cases} 42\farcs1 \\ 38\farcs0 \\ 2.76 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (4.42) \cdot 10^{-1}\, M_{\odot}$

# Source no. 123

# HGBS-J161106.5-414227




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

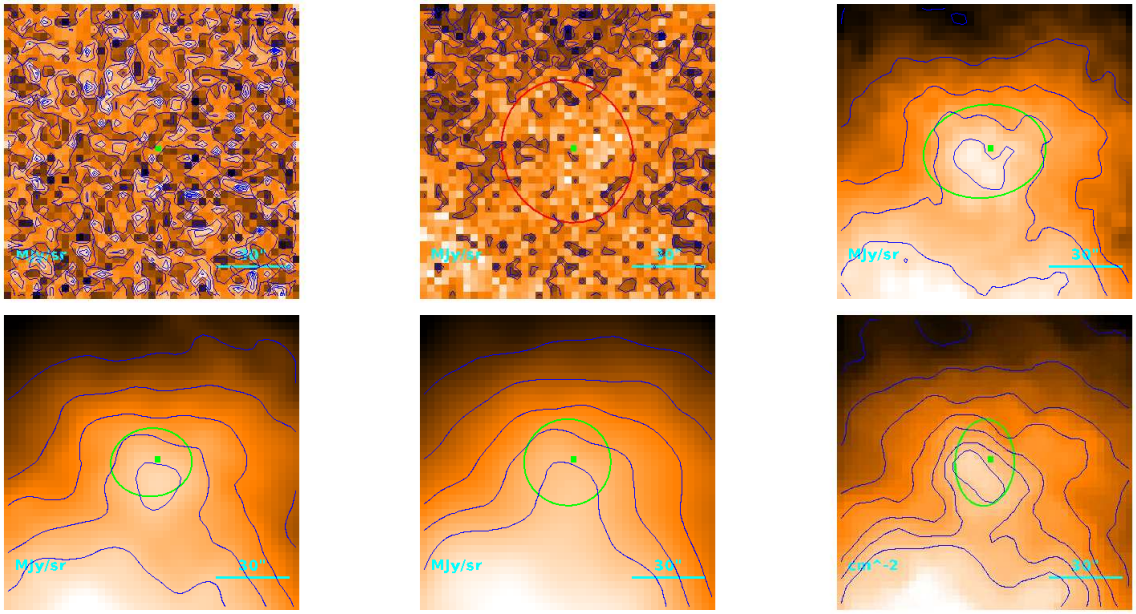
$M = \left(1.10^{+0.31}_{-0.21}\right) \cdot 10^{-1}\, M_\odot$

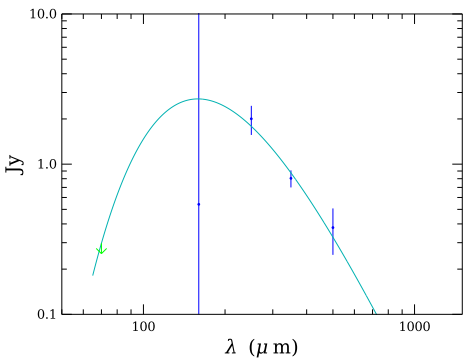
$$R = \begin{cases} 82\farcs4 \\ 80\farcs4 \\ 5.84 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = 1.11\, M_\odot$

# Source no. 124

# HGBS-J161120.1-414202




Physical properties of the source

$T = 18.24^{+0.10}_{-0.48}$ K

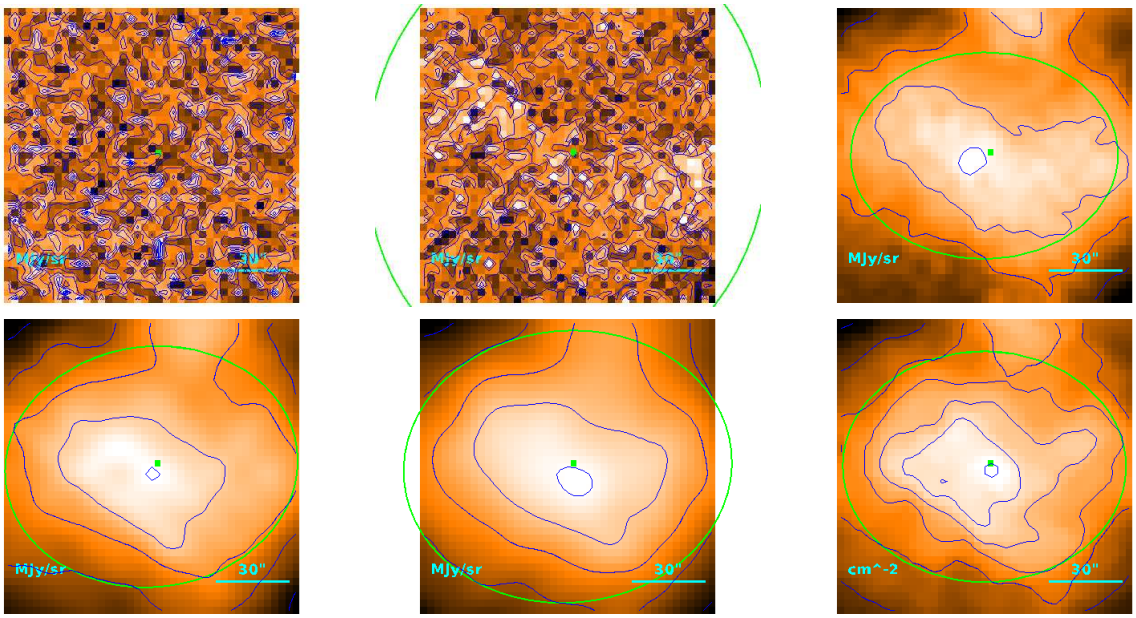
$M = (1.17 \pm 0.18) \cdot 10^{-2}\, M_{\odot}$

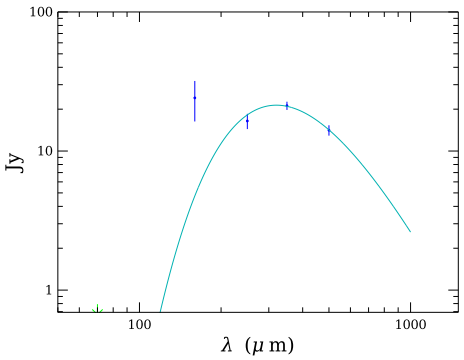
$R = \begin{cases} 29\farcs9 \\ 23\farcs7 \\ 1.73 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (5.17) \cdot 10^{-1}\, M_{\odot}$

# Source no. 125

# HGBS-J161121.5-414309




Physical properties of the source

$T = 9.06^{+0.05}_{-0.04}$ K

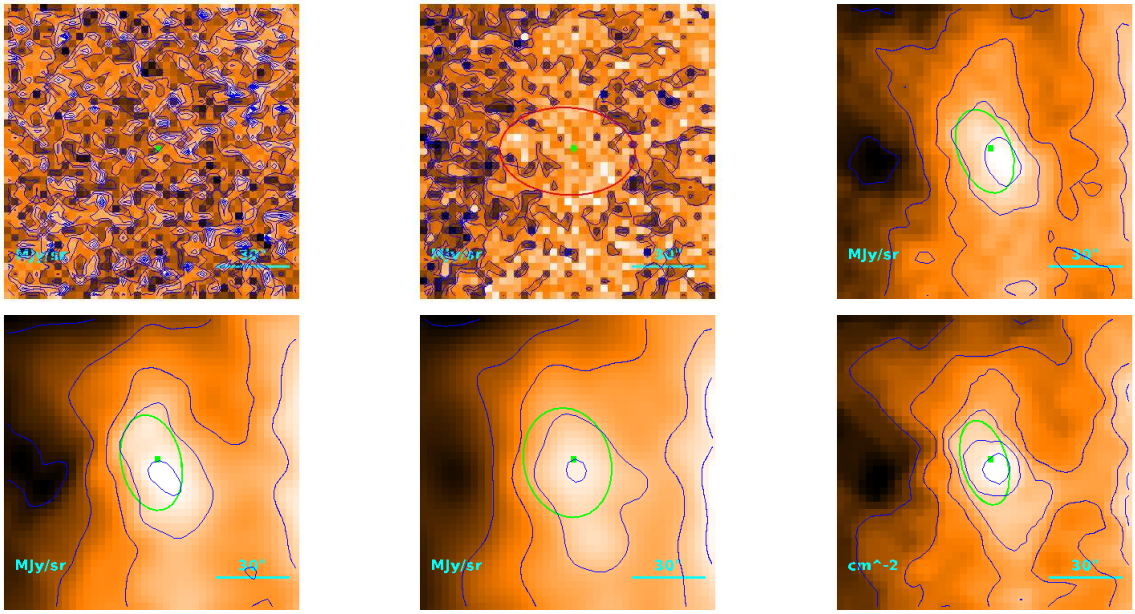
$M = 3.06 \pm 0.15\, M_{\odot}$

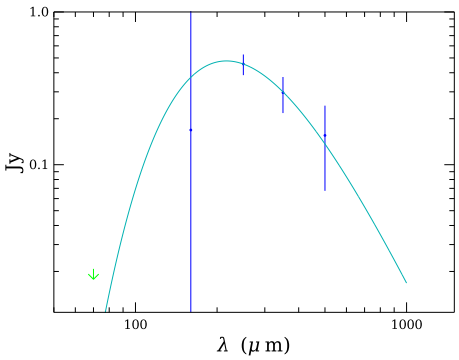
$$R = \begin{cases} 106\farcs5 \\ 104\farcs9 \\ 7.63 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = 1.14\, M_{\odot}$

# Source no. 126

# HGBS-J161143.7-414223




Physical properties of the source

$T = 13.4^{+1.8}_{-1.3}$ K

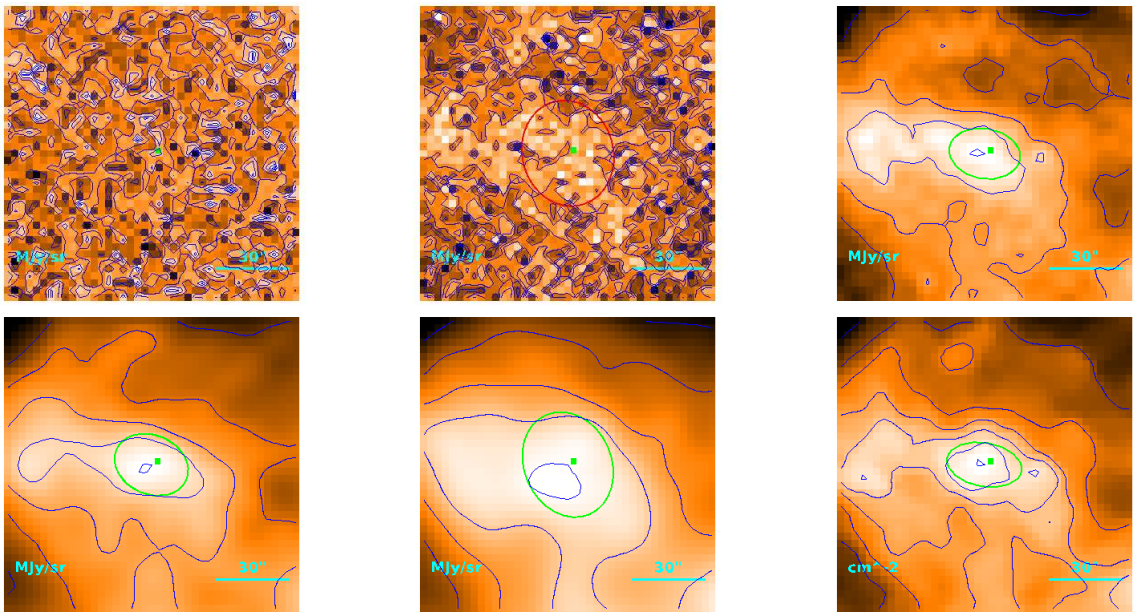
$M = \left(9.7^{+5.3}_{-3.8}\right) \cdot 10^{-3}\, M_{\odot}$

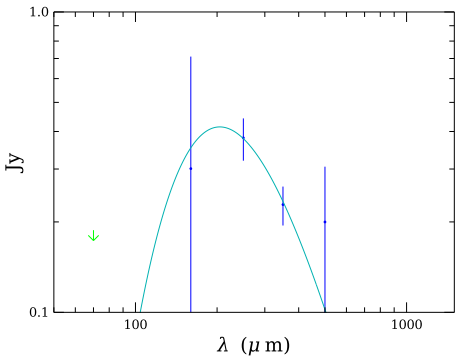
$R = \begin{cases} 26\farcs2 \\ 18\farcs8 \\ 1.37 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (3.01) \cdot 10^{-1}\, M_{\odot}$

# Source no. 127

# HGBS-J161152.9-414048




Physical properties of the source

$T = 14.2^{+3.3}_{-2.1}$ K

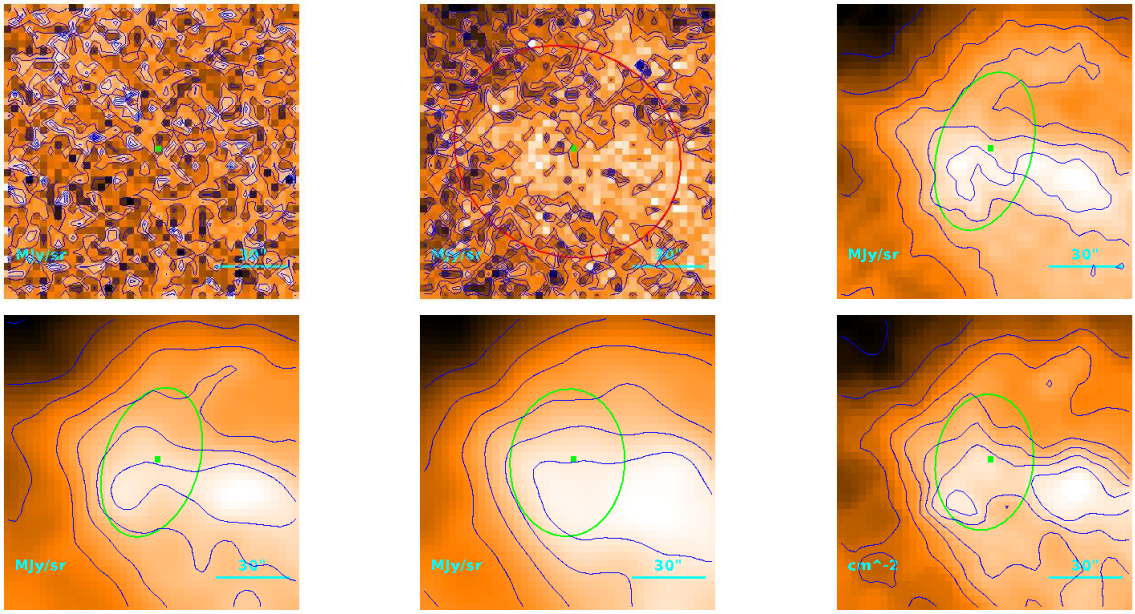
$M = \left(6.3^{+5.6}_{-3.3}\right) \cdot 10^{-3}\, M_{\odot}$

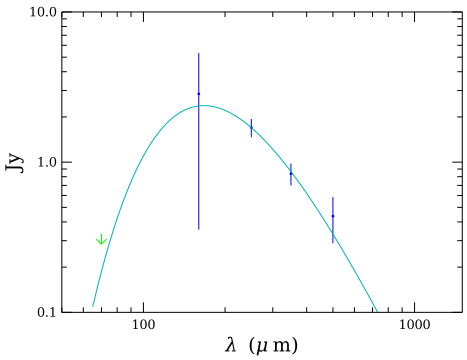
$R = \begin{cases} 23\farcs9 \\ 15\farcs5 \\ 1.13 \cdot 10^{-2} \text{ pc} \end{cases}$

$M_{\rm BE} = (2.62) \cdot 10^{-1}\, M_{\odot}$

# Source no. 128

# HGBS-J161156.4-414036




Physical properties of the source

$T = 17.3^{+1.3}_{-1.2}$ K

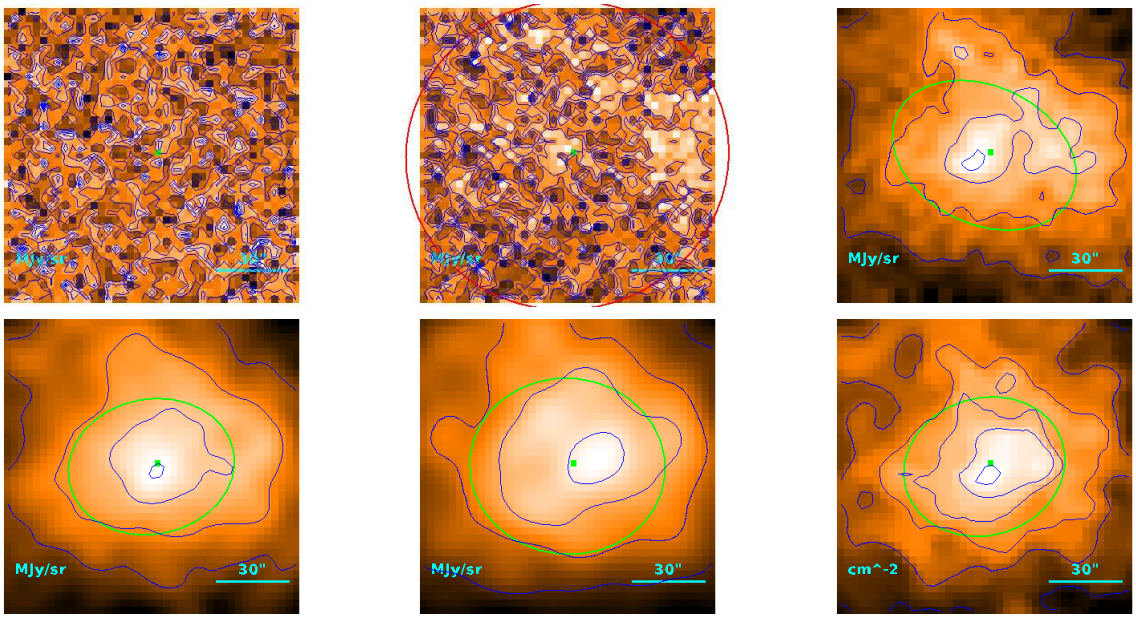
$M = \left(1.32^{+0.38}_{-0.29}\right) \cdot 10^{-2}\, M_\odot$

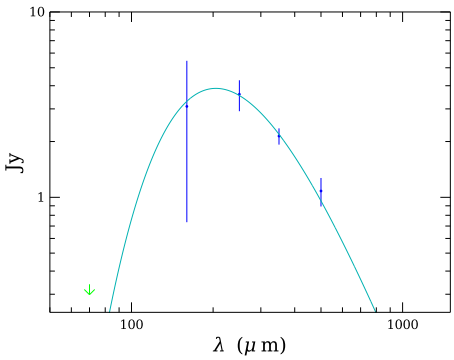
$$R = \begin{cases} 48\farcs3 \\ 44\farcs7 \\ 3.25 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (9.27) \cdot 10^{-1}\, M_\odot$

# Source no. 129

# HGBS-J161206.6-414605




Physical properties of the source

$T = 14.15^{+0.55}_{-0.50}$ K

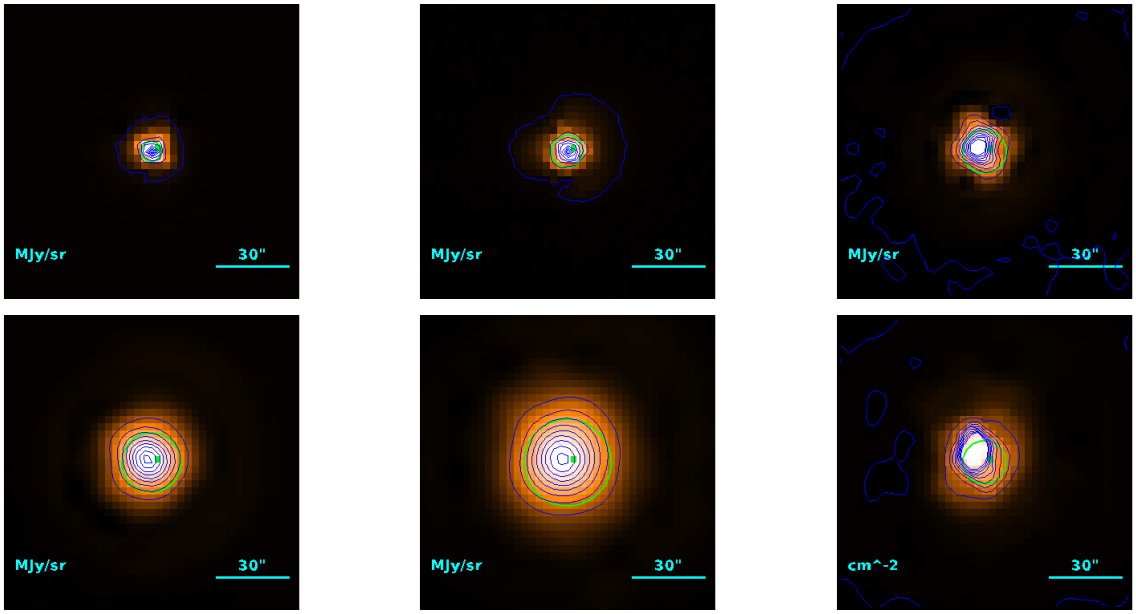
$M = \left(5.97^{+0.78}_{-0.71}\right) \cdot 10^{-2}\, M_\odot$

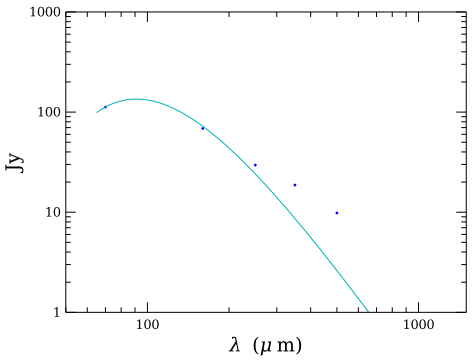
$$R = \begin{cases} 62\farcs4 \\ 59\farcs7 \\ 4.34 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = 1.01\, M_\odot$

# Source no. 130

# HGBS-J155641.9-421925




Physical properties of the source

$T = 31.83 \pm 0.01$ K

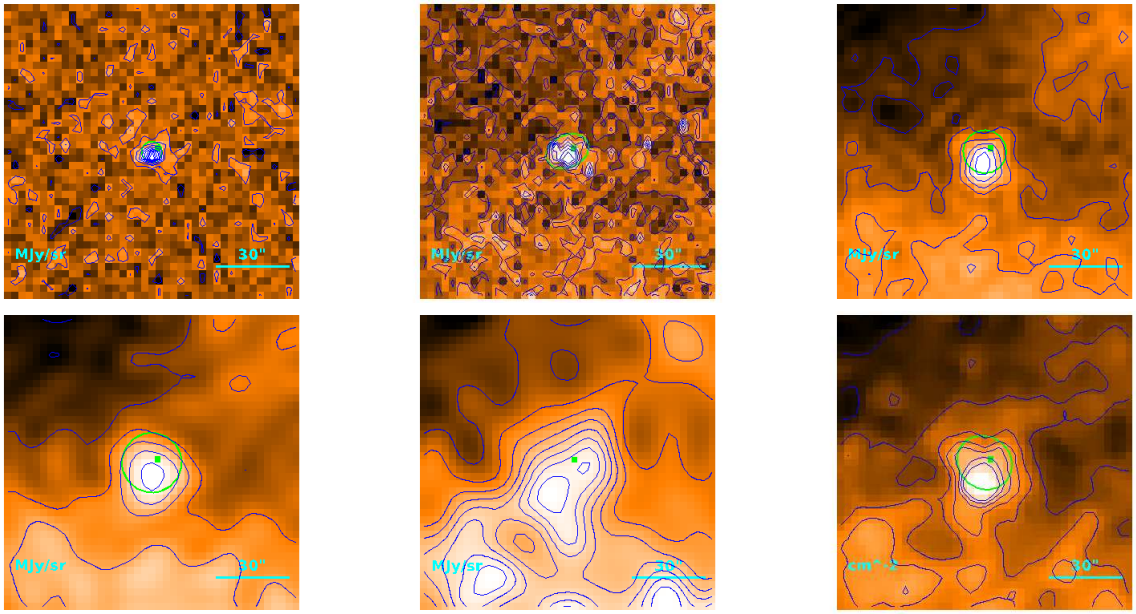
$M = (3.6136 \pm 0.0072) \cdot 10^{-2}\, M_{\odot}$

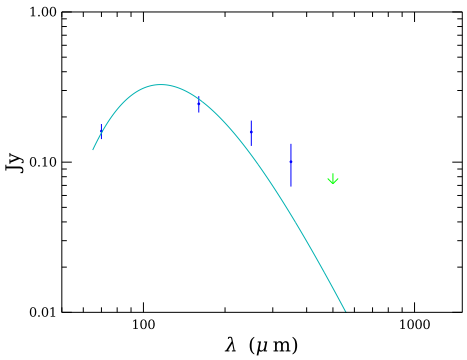
$$R = \begin{cases} 18\farcs2 \\ < 6\farcs1 \\ < 4.44 \cdot 10^{-3} \text{ pc} \end{cases}$$

$M_{\rm BE} < (2.32) \cdot 10^{-1}\, M_{\odot}$

# Source no. 131

# HGBS-J155730.4-421032




Physical properties of the source

$T = 25.0 \pm 1.3$ K

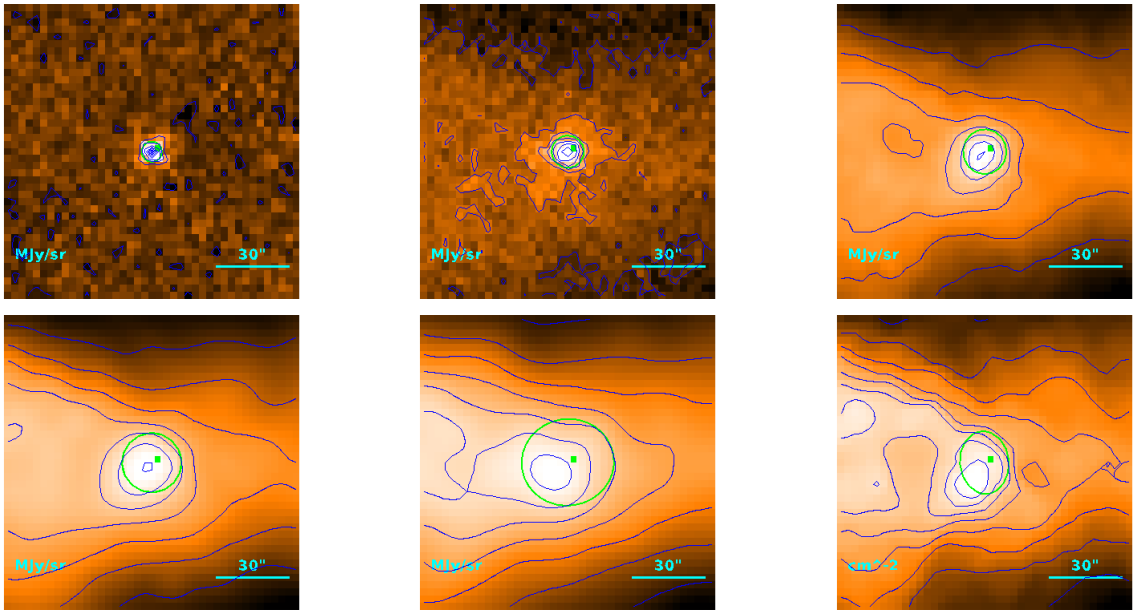
$M = \left(2.94^{+0.84}_{-0.68}\right) \cdot 10^{-4}\, M_{\odot}$

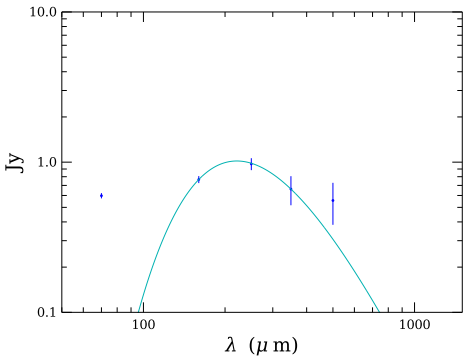
$R = \begin{cases} 22\farcs7 \\ 13\farcs6 \\ 9.87 \cdot 10^{-3} \text{ pc} \end{cases}$

$M_{\rm BE} = (4.05) \cdot 10^{-1}\, M_{\odot}$

# Source no. 132

# HGBS-J155746.6-423549




Physical properties of the source

$T = 13.11 \pm 0.05$ K

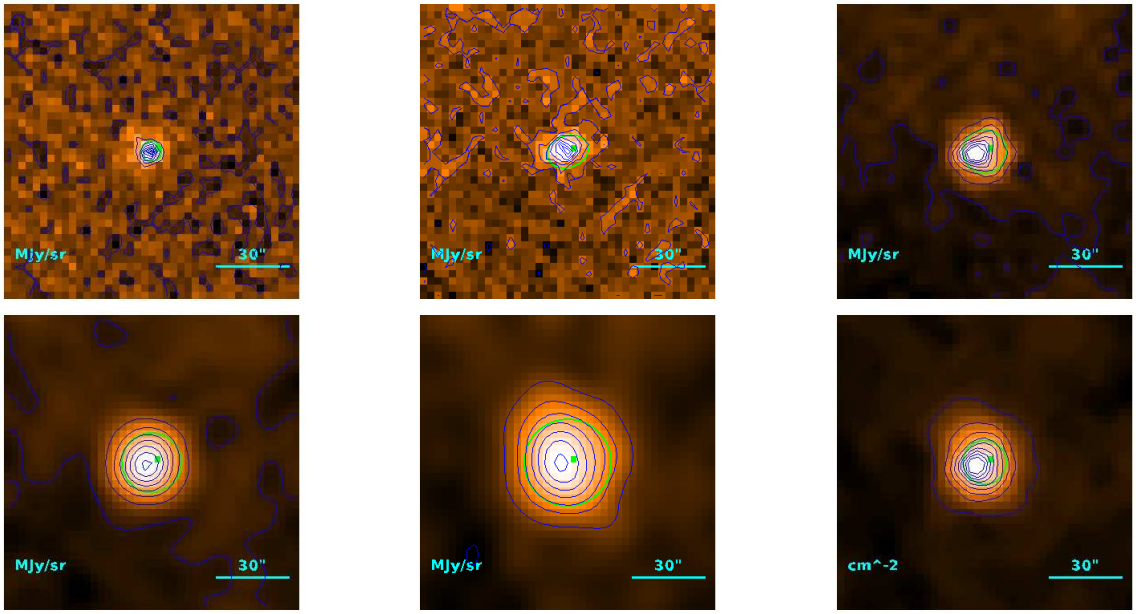
$M = (2.30 \pm 0.10) \cdot 10^{-2}\, M_\odot$

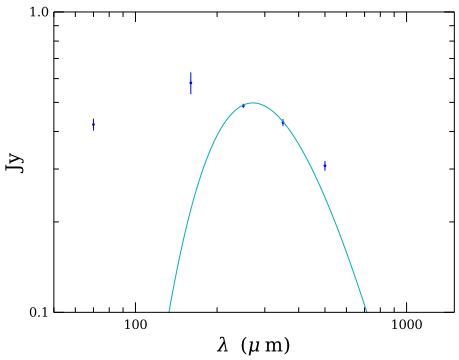
$$R = \begin{cases} 23\farcs1 \\ 14\farcs2 \\ 1.03 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (2.23) \cdot 10^{-1}\, M_\odot$

# Source no. 133

# HGBS-J155916.5-415712




Physical properties of the source

$T = 10.69^{+0.31}_{-0.28}$ K

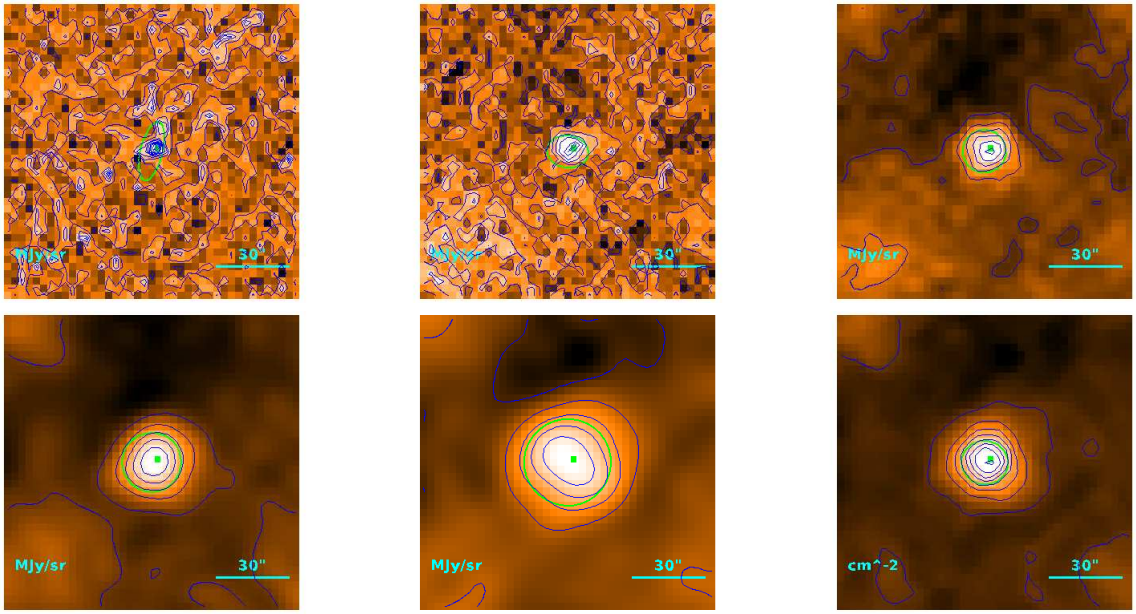
$M = \left(3.12^{+0.46}_{-0.42}\right) \cdot 10^{-2}\, M_{\odot}$

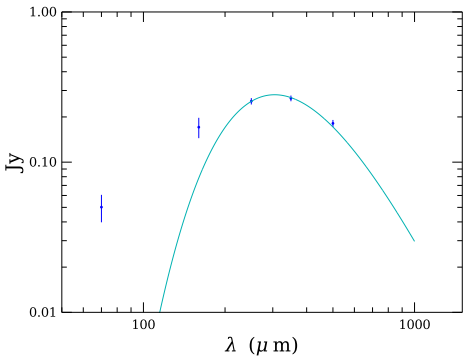
$$R = \begin{cases} 18\farcs3 \\ < 6\farcs1 \\ < 4.44 \cdot 10^{-3} \text{ pc} \end{cases}$$

$M_{\rm BE} < (7.79) \cdot 10^{-2}\, M_{\odot}$

# Source no. 134

# HGBS-J160002.5-422216




Physical properties of the source

$T = 9.51^{+0.22}_{-0.21}$ K

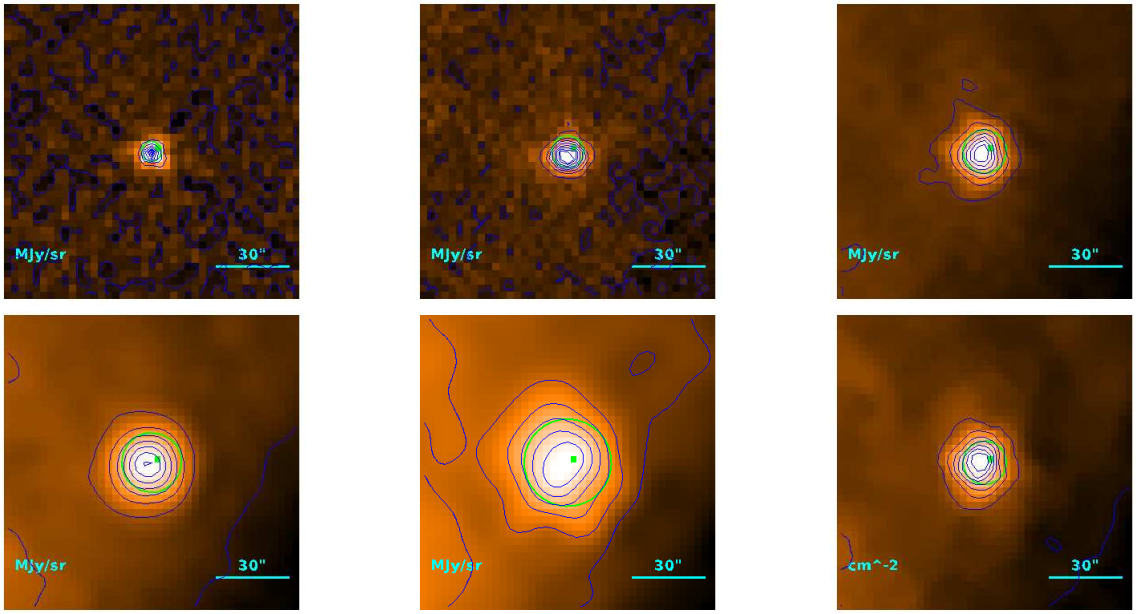
$M = \left(3.16^{+0.36}_{-0.33}\right) \cdot 10^{-2}\, M_{\odot}$

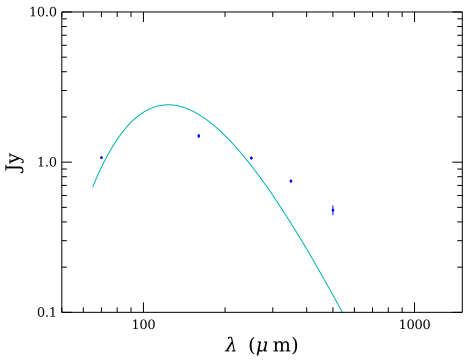
$$R = \begin{cases} 18\farcs9 \\ < 6\farcs1 \\ < 4.44 \cdot 10^{-3} \text{ pc} \end{cases}$$

$M_{\rm BE} < (6.93) \cdot 10^{-2}\, M_{\odot}$

# Source no. 135

# HGBS-J160044.6-415530




Physical properties of the source

$T = 23.50 \pm 0.12$ K

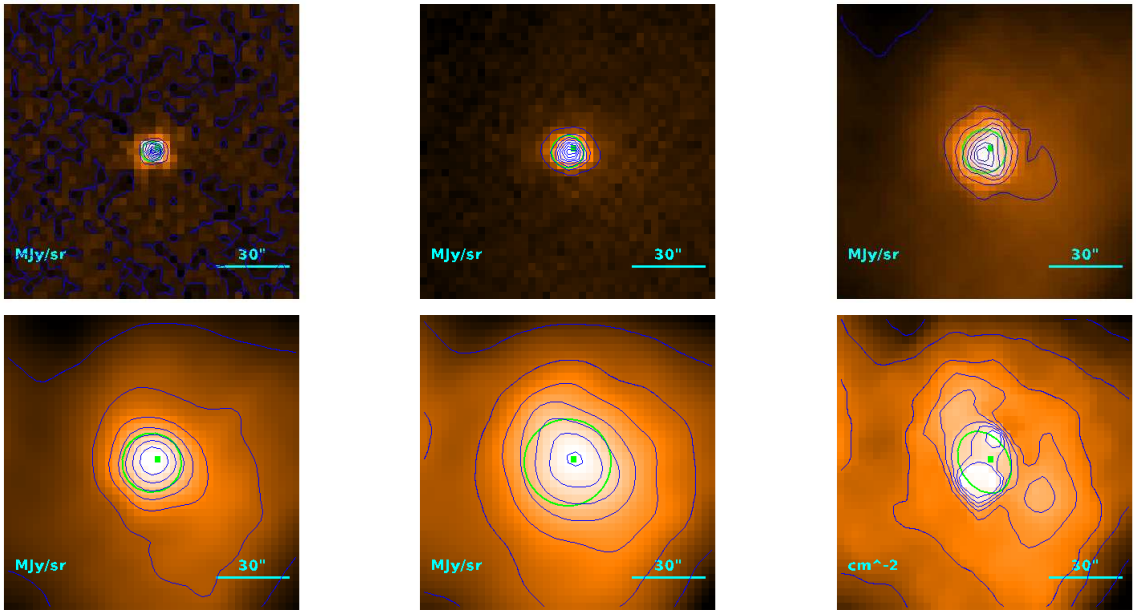
$M = \left(2.944^{+0.060}_{-0.059}\right) \cdot 10^{-3}\, M_\odot$

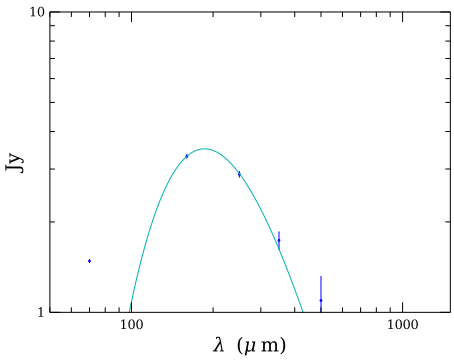
$$R = \begin{cases} 18\farcs2 \\ < 6\farcs1 \\ < 4.44 \cdot 10^{-3} \text{ pc} \end{cases}$$

$M_{\rm BE} < (1.71) \cdot 10^{-1}\, M_\odot$

# Source no. 136

# HGBS-J160115.5-415233




Physical properties of the source

$T = 15.59 \pm 0.02$ K

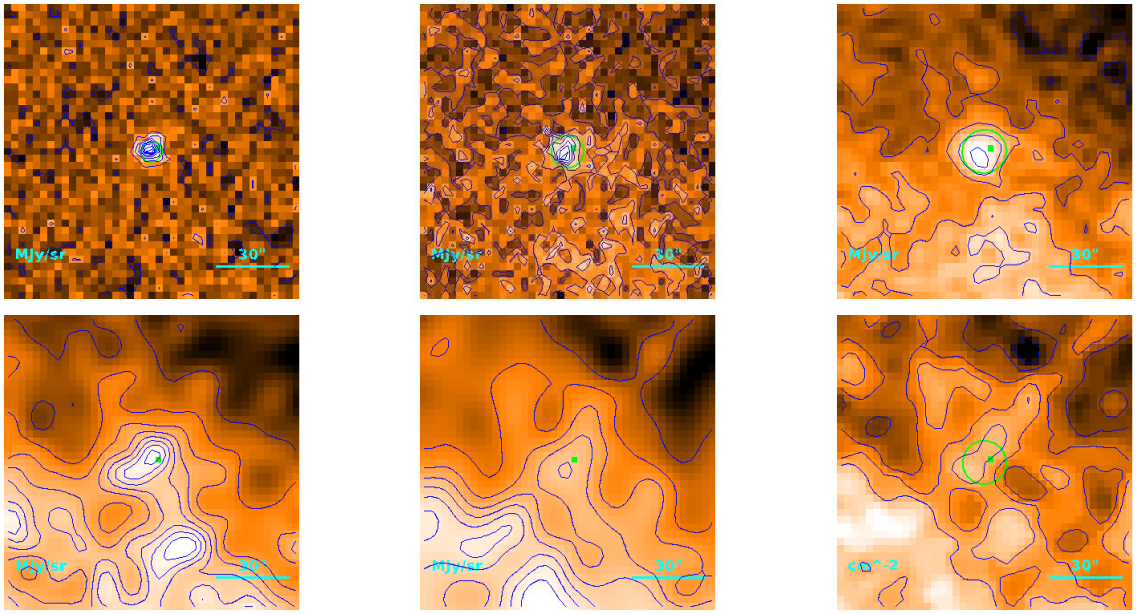
$M = (3.330 \pm 0.047) \cdot 10^{-2}\, M_{\odot}$

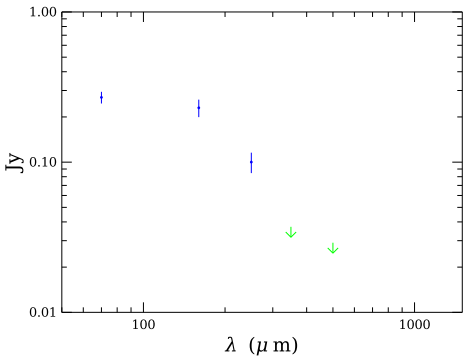
$$R = \begin{cases} 23\farcs8 \\ 15\farcs3 \\ 1.12 \cdot 10^{-2} \text{ pc} \end{cases}$$

$M_{\rm BE} = (2.86) \cdot 10^{-1}\, M_{\odot}$

# Source no. 137

# HGBS-J160234.6-421129




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

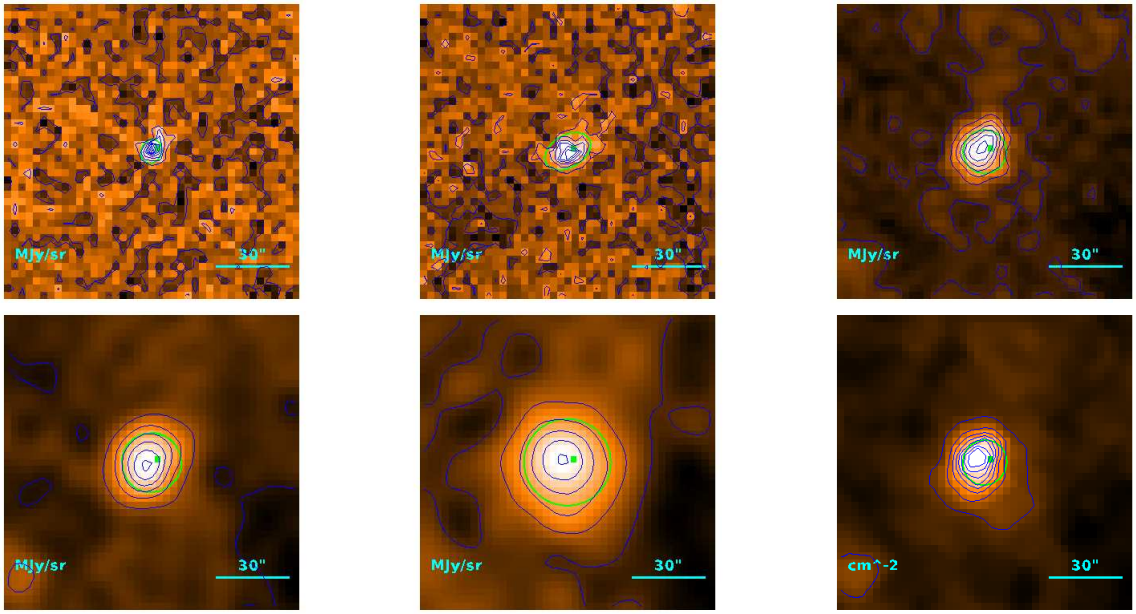
$M = \left(4.1^{+2.5}_{-1.4}\right) \cdot 10^{-3}\, M_{\odot}$

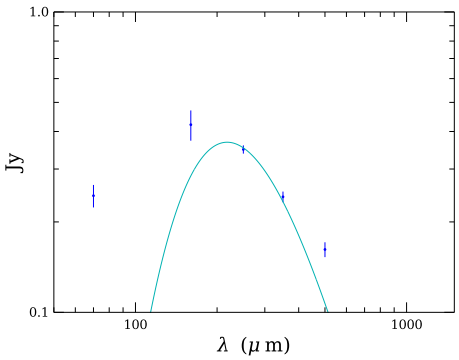
$$R = \begin{cases} 18\farcs2 \\ < 6\farcs1 \\ < 4.44 \cdot 10^{-3} \text{ pc} \end{cases}$$

$M_{\rm BE} < (8.46) \cdot 10^{-2}\, M_{\odot}$

# Source no. 138

# HGBS-J160329.2-414001




Physical properties of the source

$T = 13.3^{+1.1}_{-0.9}$ K

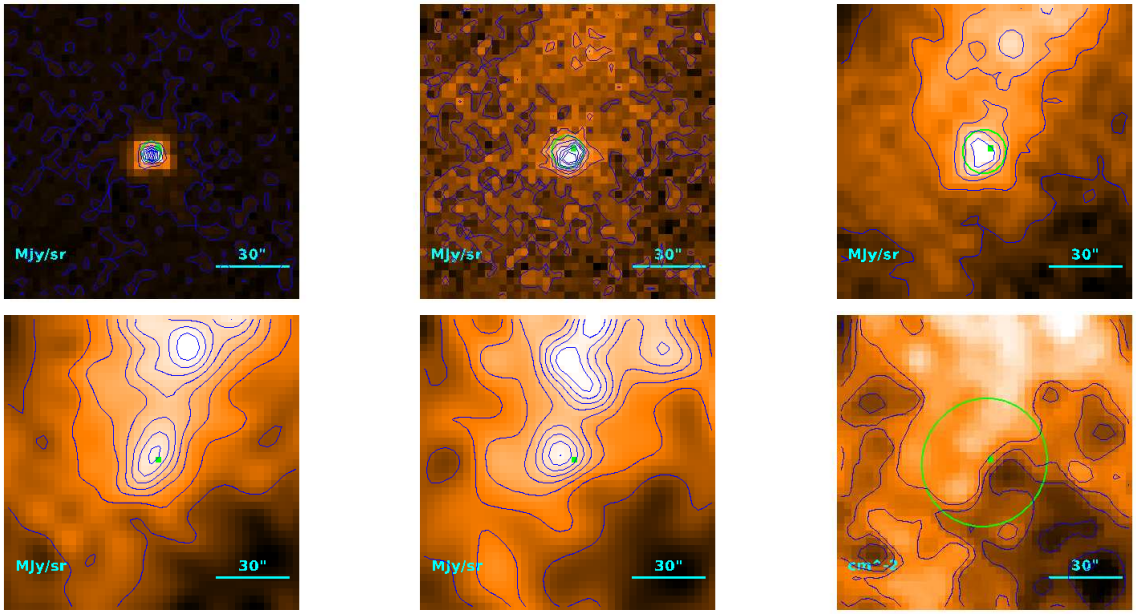
$M = \left(7.7^{+2.7}_{-2.2}\right) \cdot 10^{-3}\, M_{\odot}$

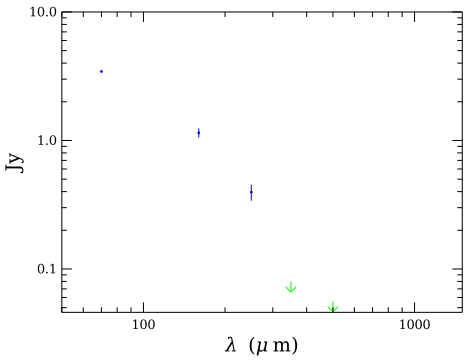
$$R = \begin{cases} 18\farcs7 \\ < 6\farcs1 \\ < 4.44 \cdot 10^{-3} \text{ pc} \end{cases}$$

$M_{\rm BE} < (9.70) \cdot 10^{-2}\, M_{\odot}$

# Source no. 139

# HGBS-J160403.0-413427




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

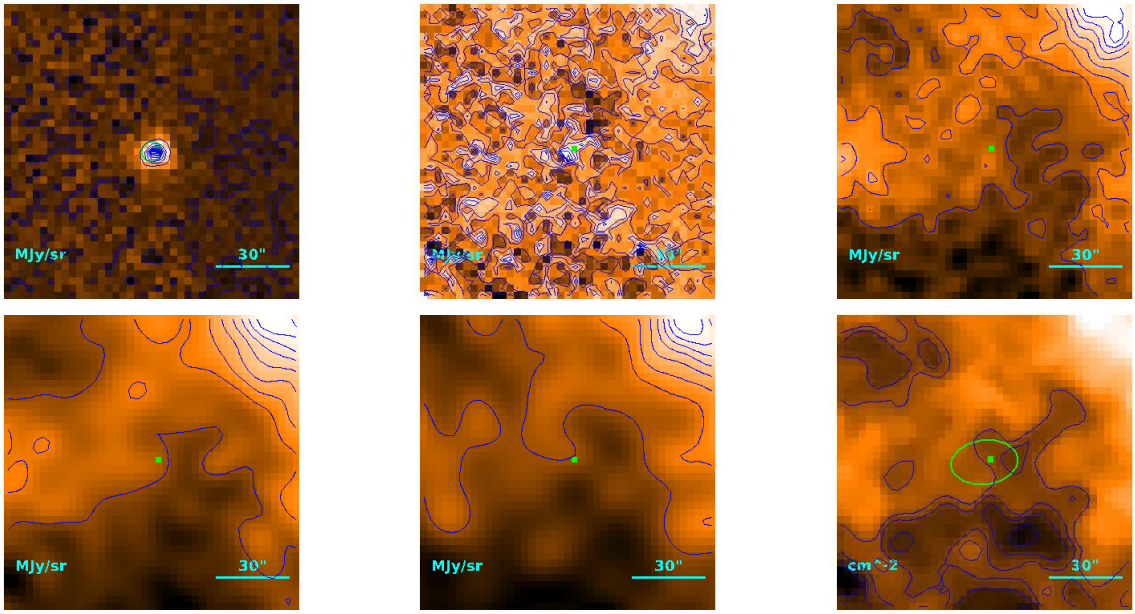
$M = \left(1.65^{+0.99}_{-0.54}\right) \cdot 10^{-2}\, M_{\odot}$

$$R = \begin{cases} 52\farcs9 \\ 49\farcs7 \\ 3.61 \cdot 10^{-2} \text{ pc} \end{cases}$$

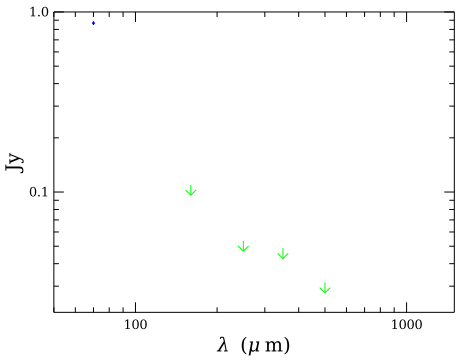
$M_{\rm BE} = (6.89) \cdot 10^{-1}\, M_{\odot}$

# Source no. 140

# HGBS-J160913.7-414430

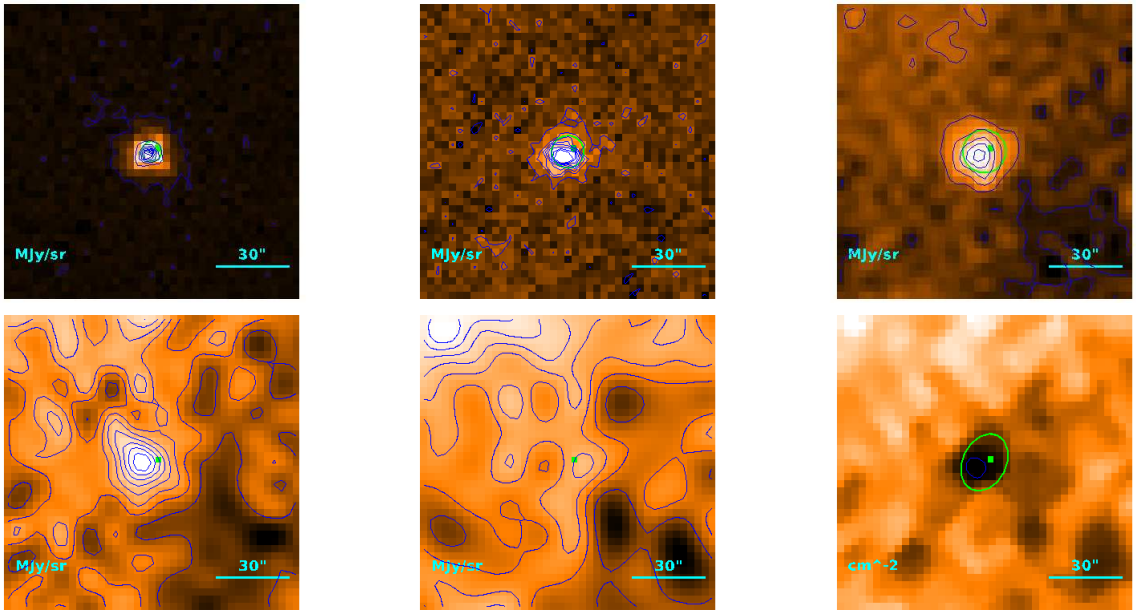


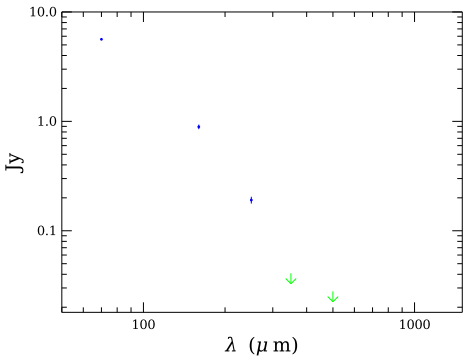

Physical properties of the source



# Source no. 141

# HGBS-J160956.3-420834




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

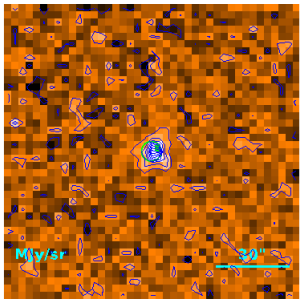
$M = \left(7.9^{+4.8}_{-2.6}\right) \cdot 10^{-3}\, M_{\odot}$

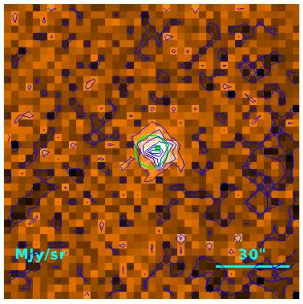
$R = \begin{cases} 21\farcs4 \\ 11\farcs3 \\ 8.19 \cdot 10^{-3} \text{ pc} \end{cases}$

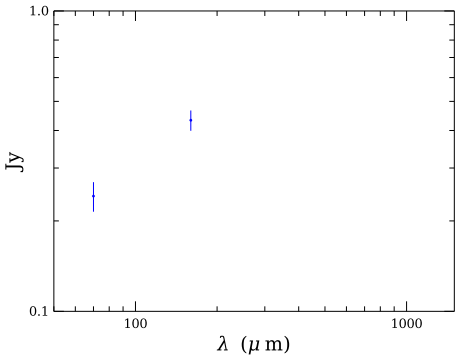
$M_{\rm BE} = (1.56) \cdot 10^{-1}\, M_{\odot}$

# Source no. 142

# HGBS-J161301.6-415255




Physical properties of the source

$T = 11.6 \pm 1.0$ K (median value)

$M = \left(3.1^{+3.4}_{-1.5}\right) \cdot 10^{-2}\, M_{\odot}$

$$R = \begin{cases} 18\farcs2 \\ < 6\farcs1 \\ < 4.44 \cdot 10^{-3} \text{ pc} \end{cases}$$

$M_{\rm BE} < (8.46) \cdot 10^{-2}\, M_{\odot}$