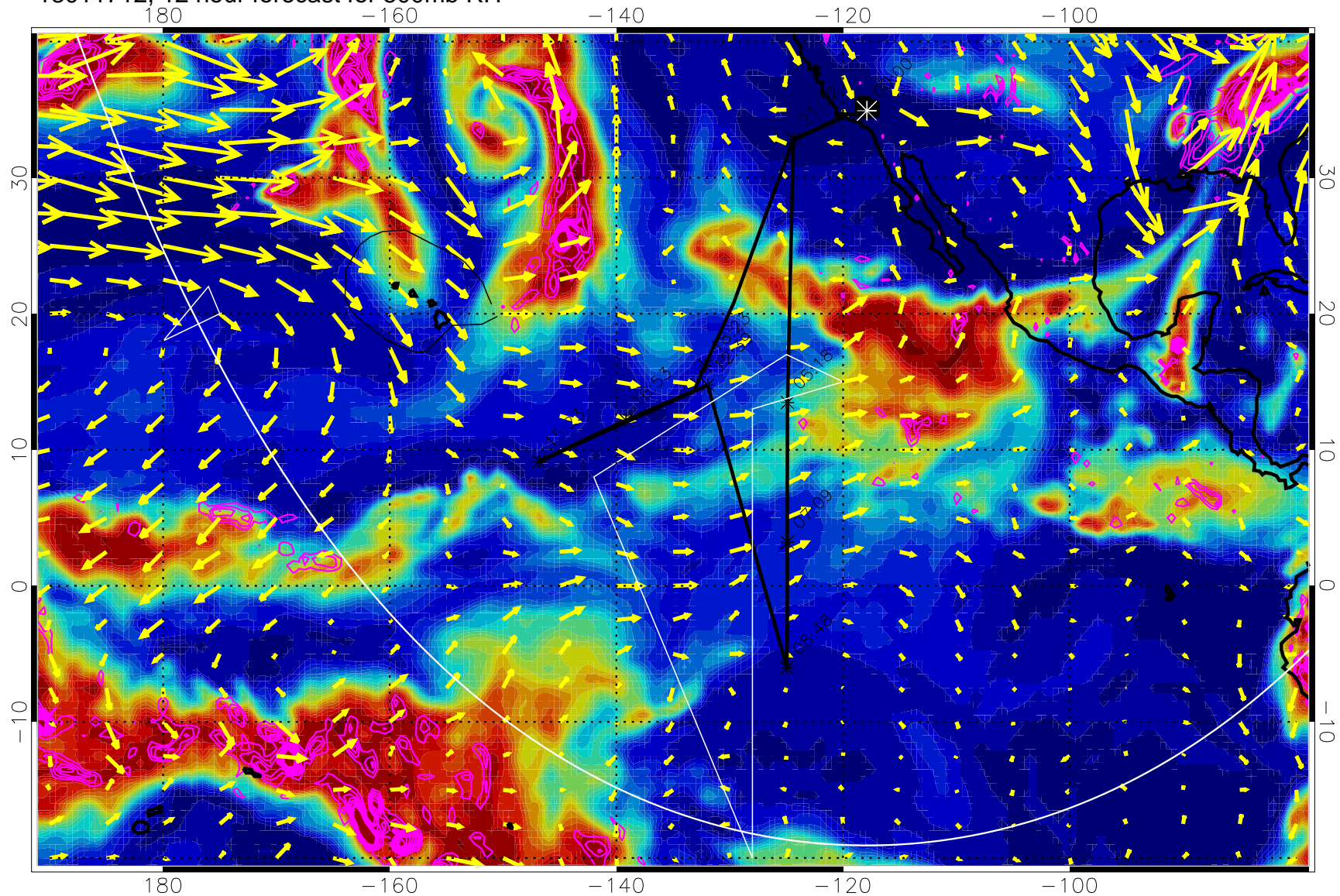


13011712, 12 hour forecast for 500mb RH



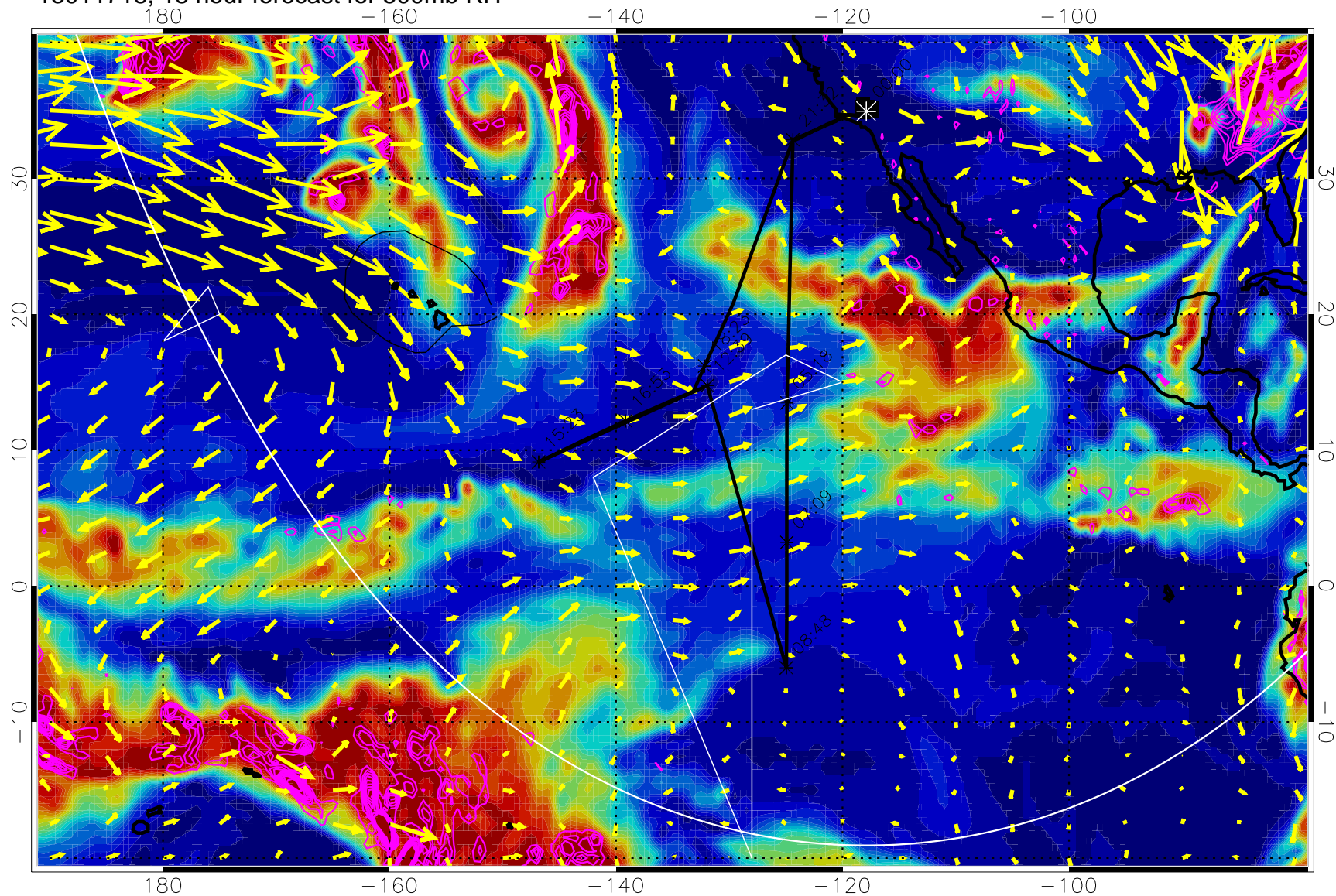
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13011718, 18 hour forecast for 500mb RH



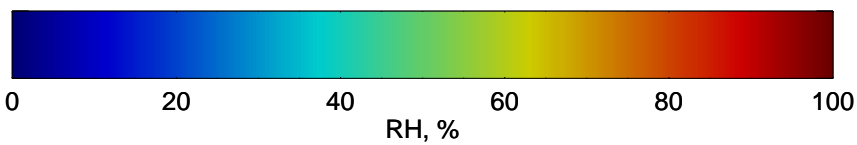
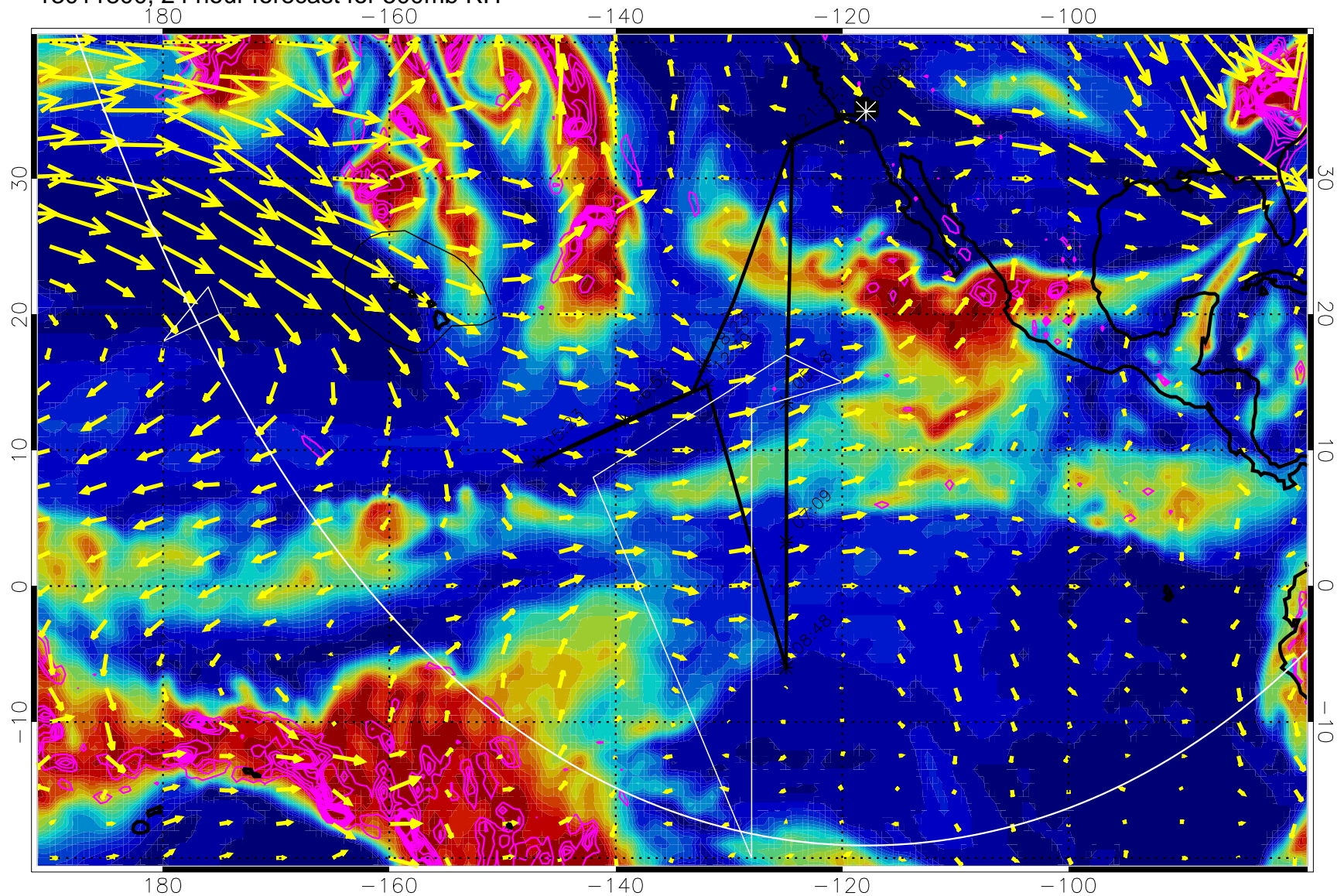
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13011800, 24 hour forecast for 500mb RH



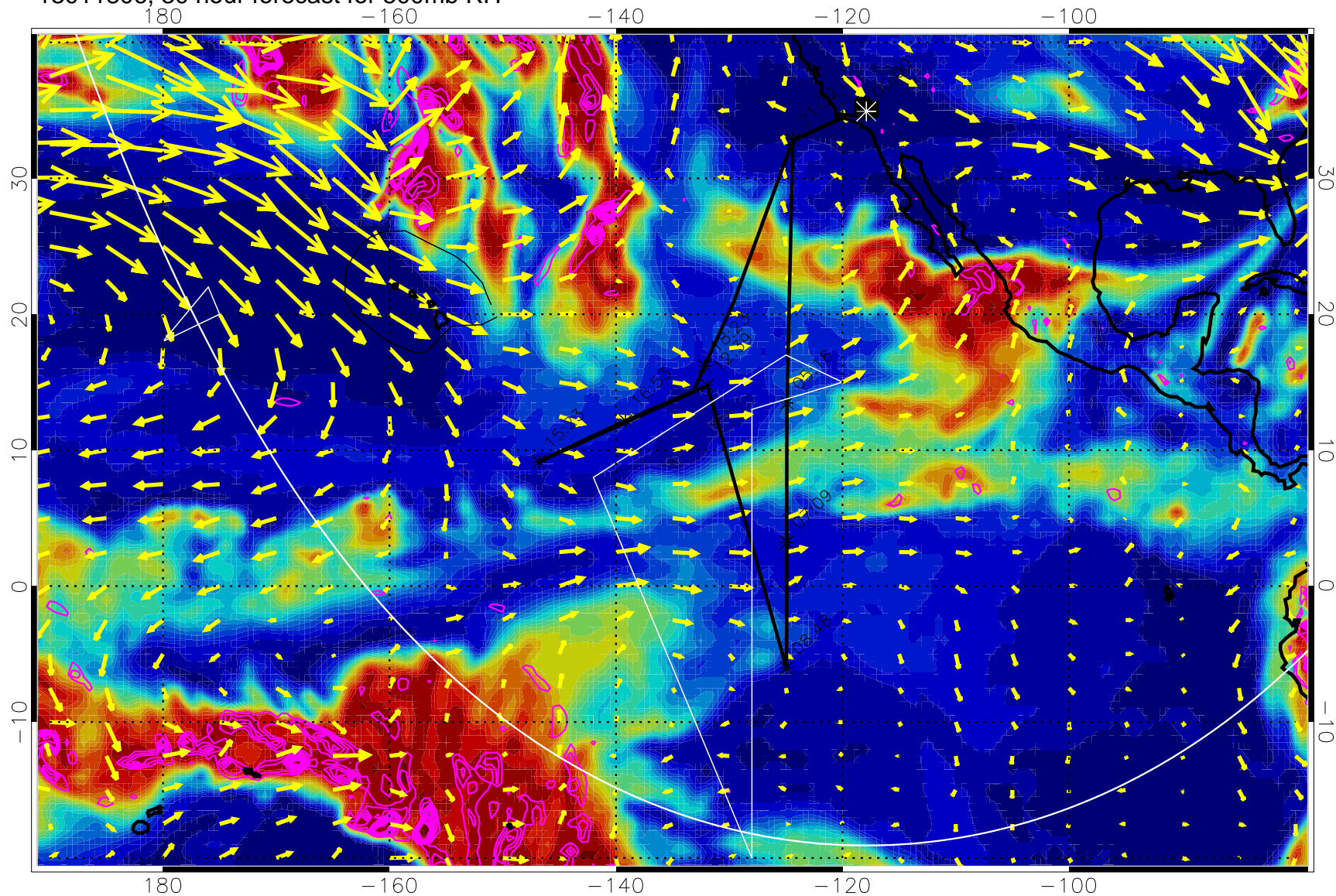
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13011806, 30 hour forecast for 500mb RH



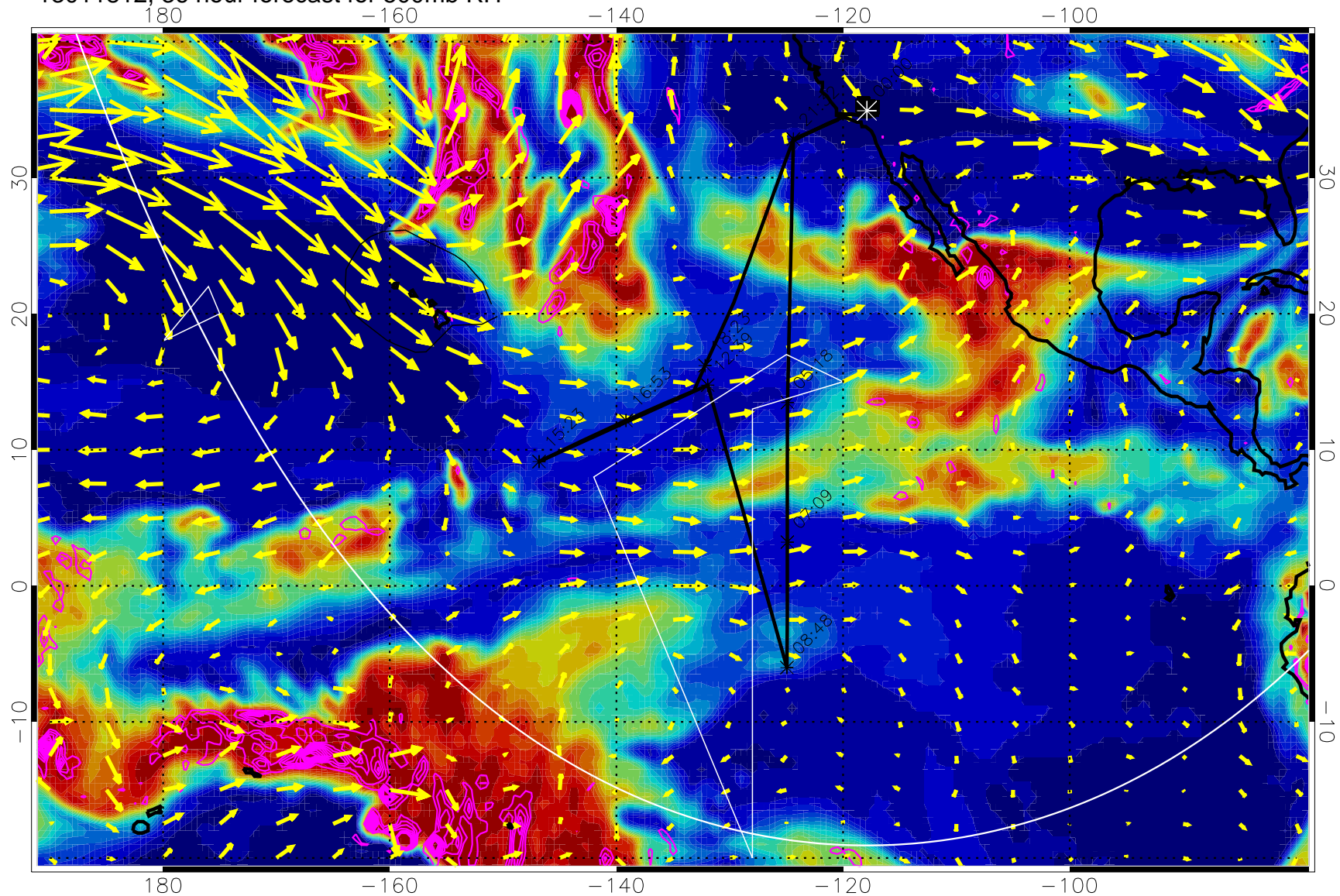
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13011812, 36 hour forecast for 500mb RH



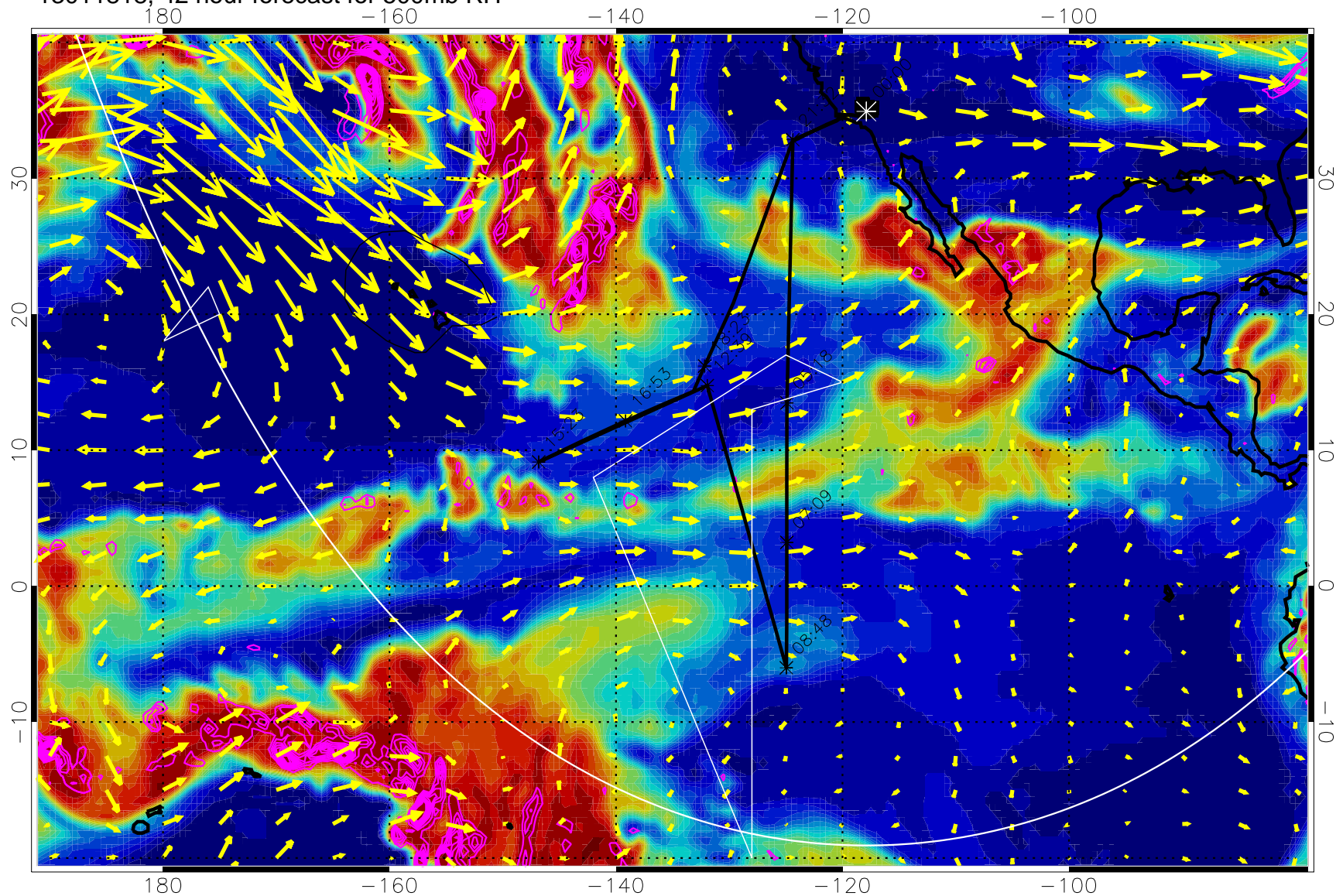
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13011818, 42 hour forecast for 500mb RH



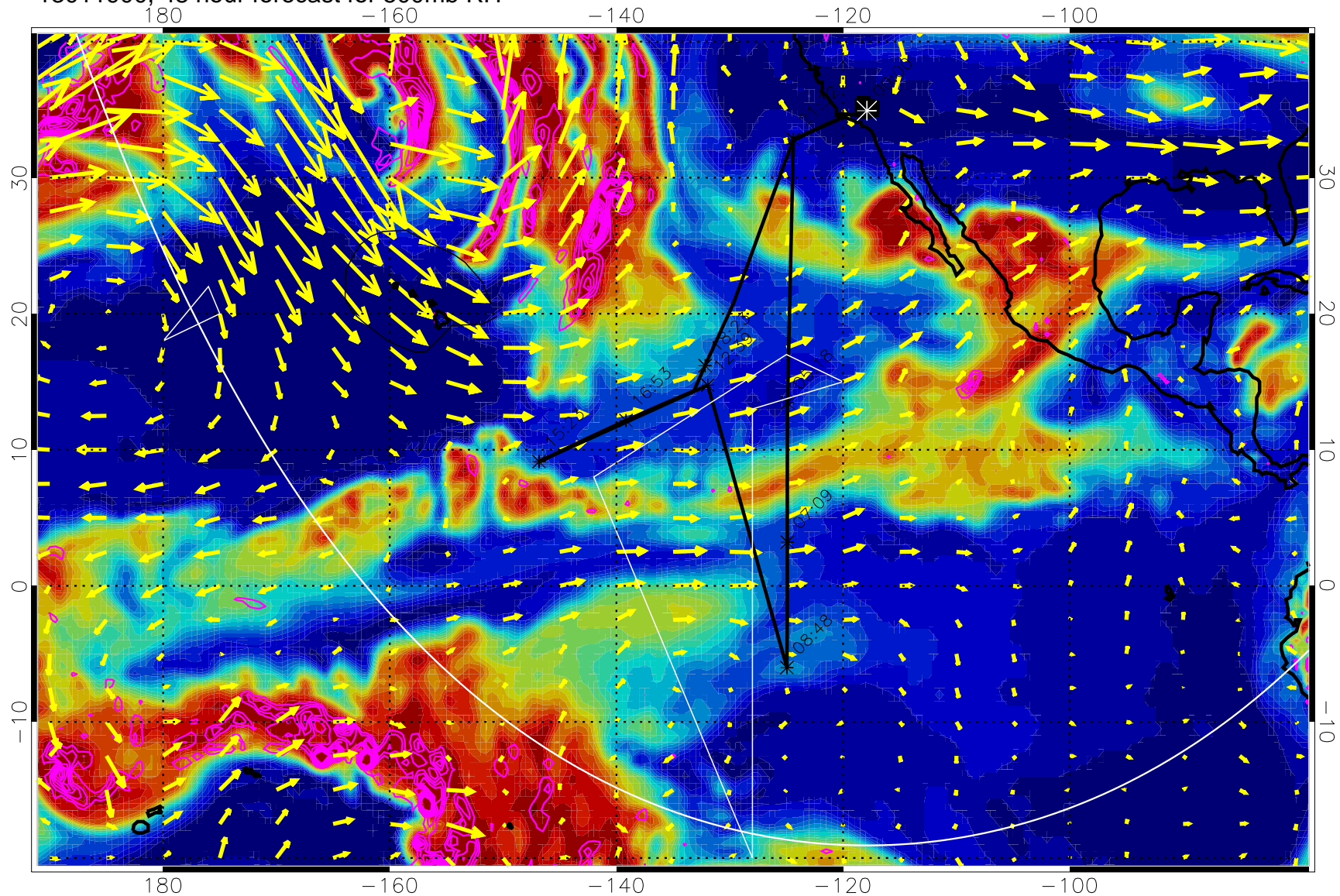
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13011900, 48 hour forecast for 500mb RH



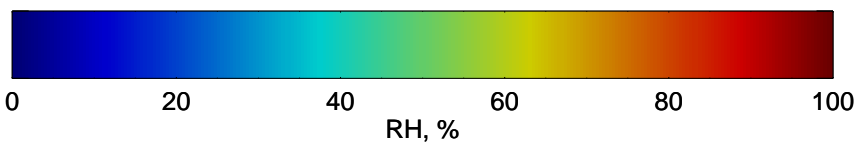
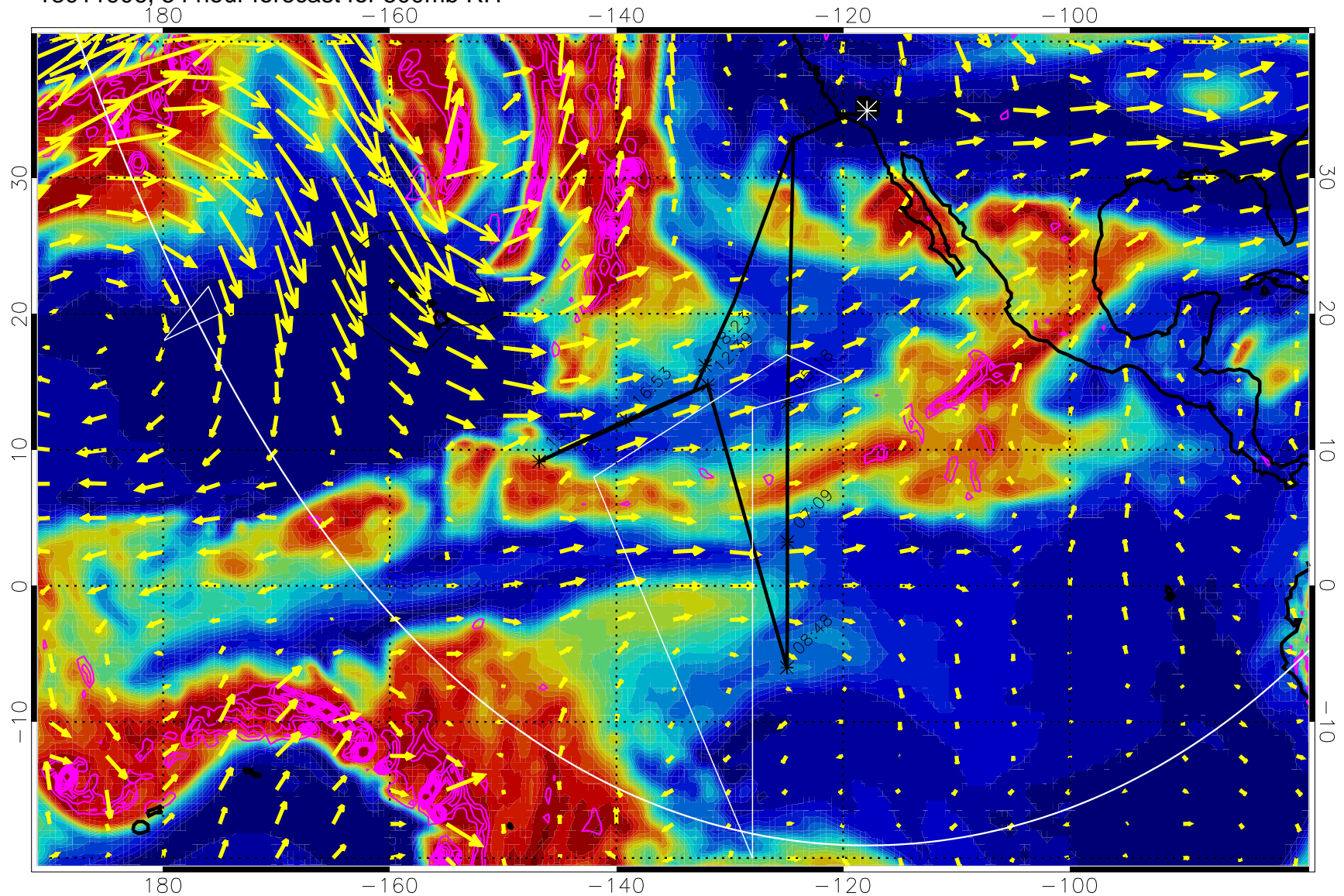
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13011906, 54 hour forecast for 500mb RH



Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

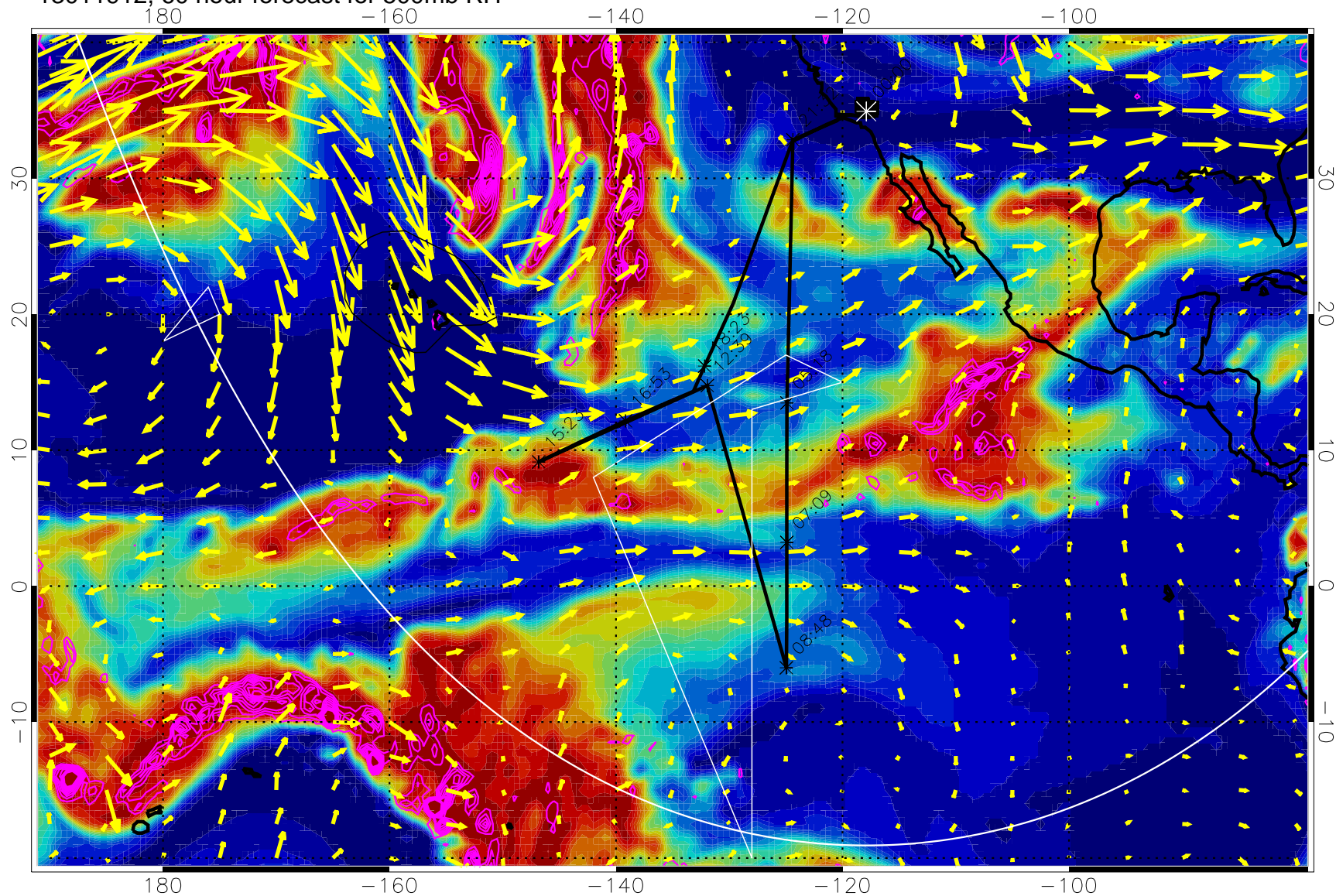
EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip



13011912, 60 hour forecast for 500mb RH



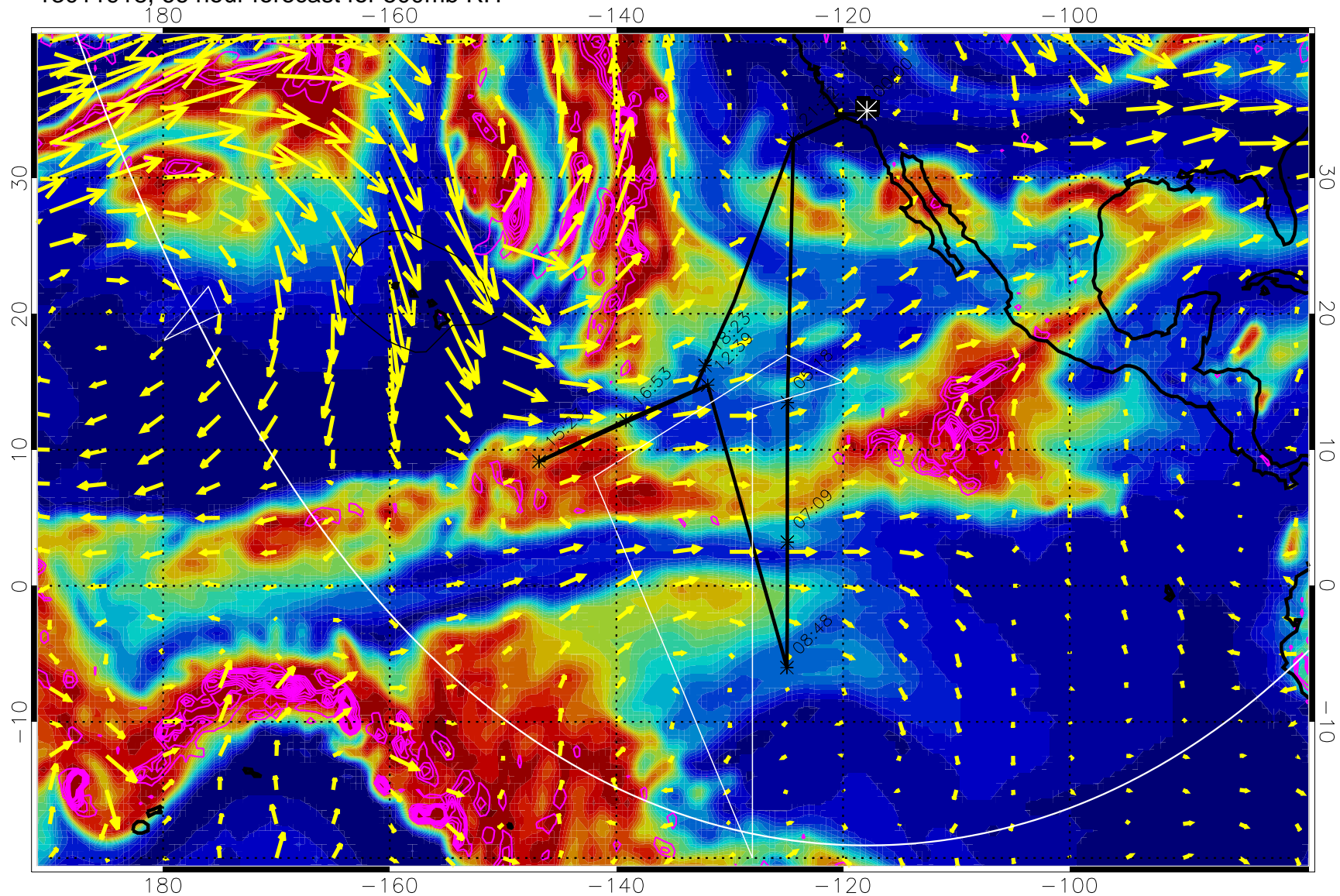
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13011918, 66 hour forecast for 500mb RH



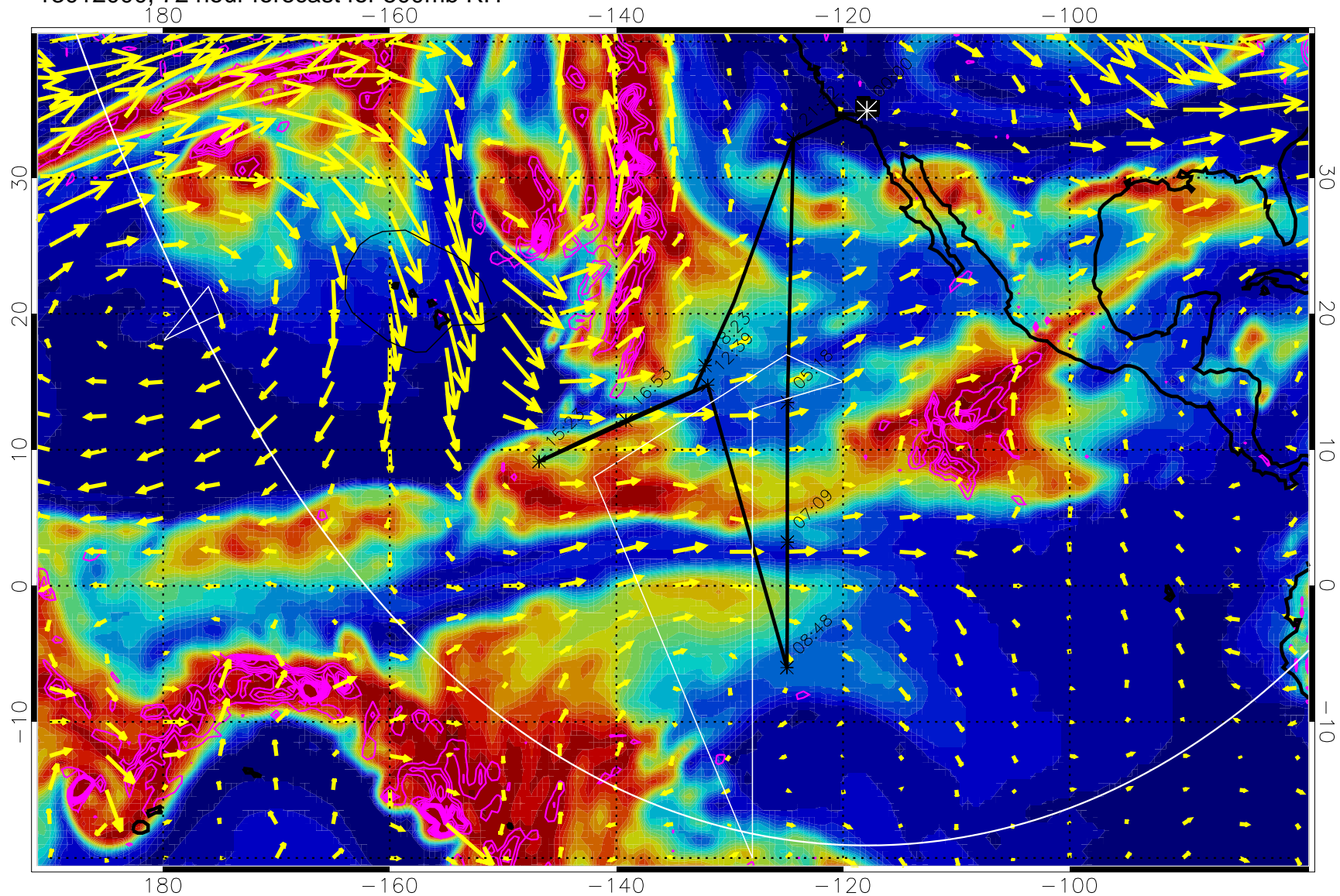
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012000, 72 hour forecast for 500mb RH



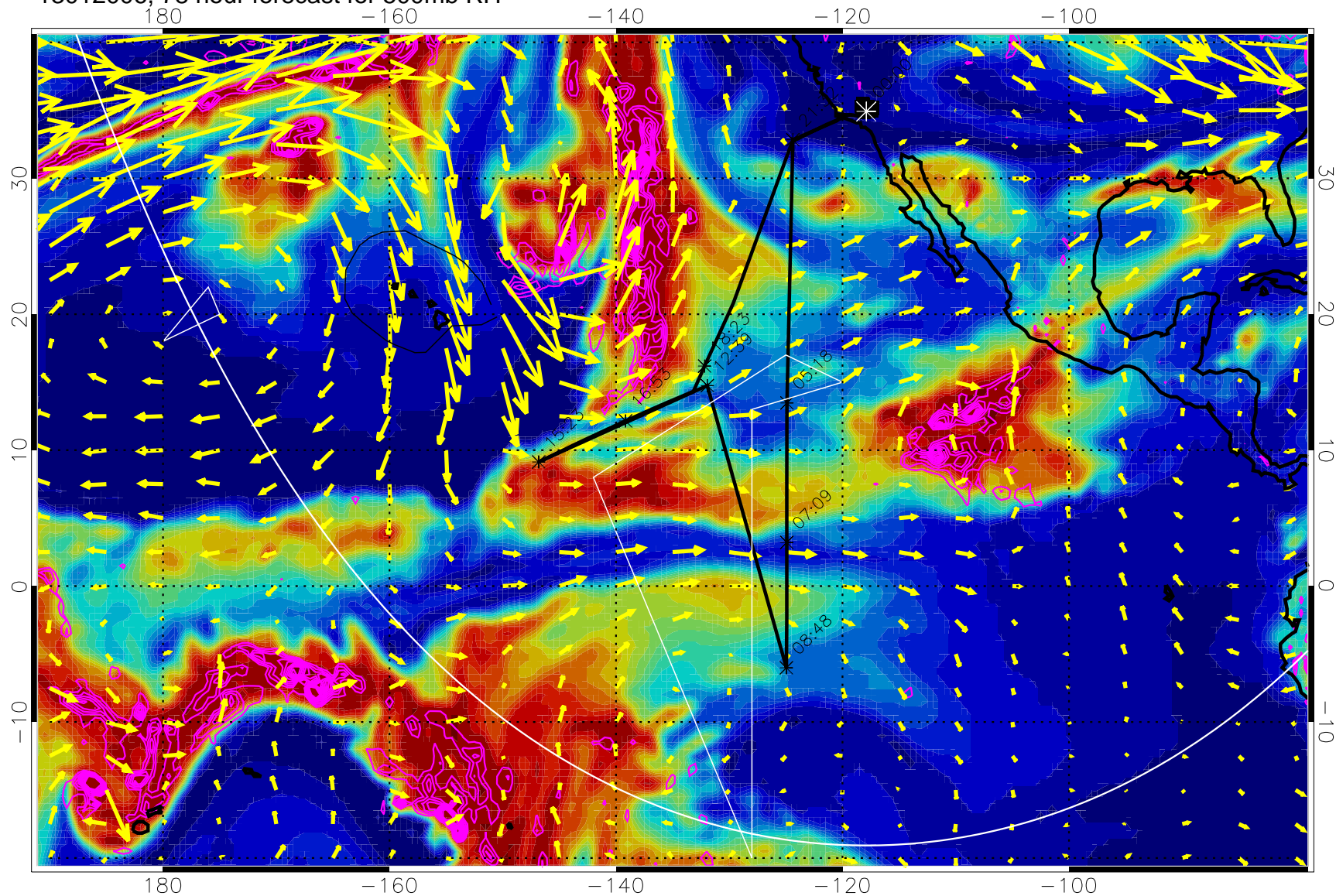
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012006, 78 hour forecast for 500mb RH



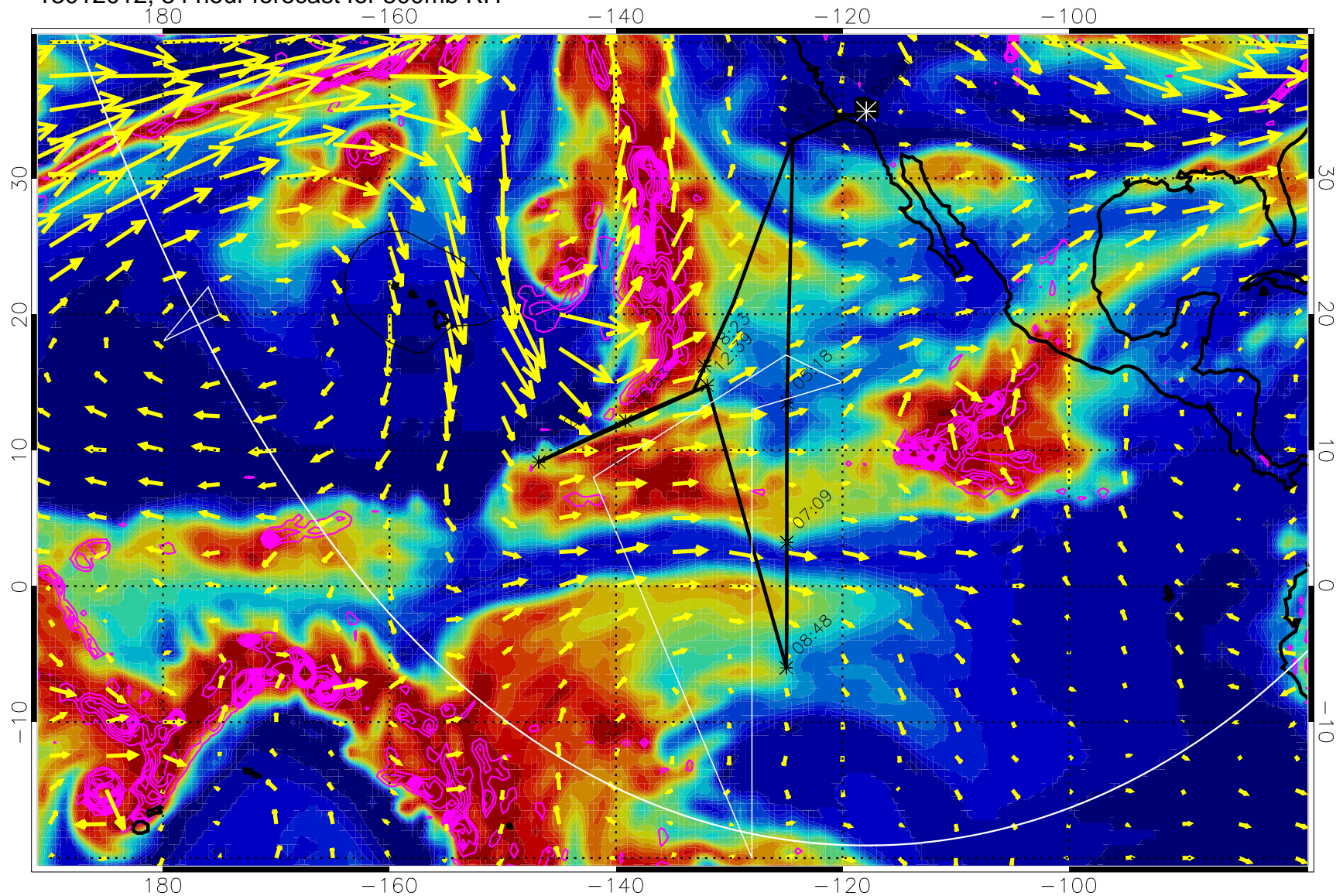
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012012, 84 hour forecast for 500mb RH



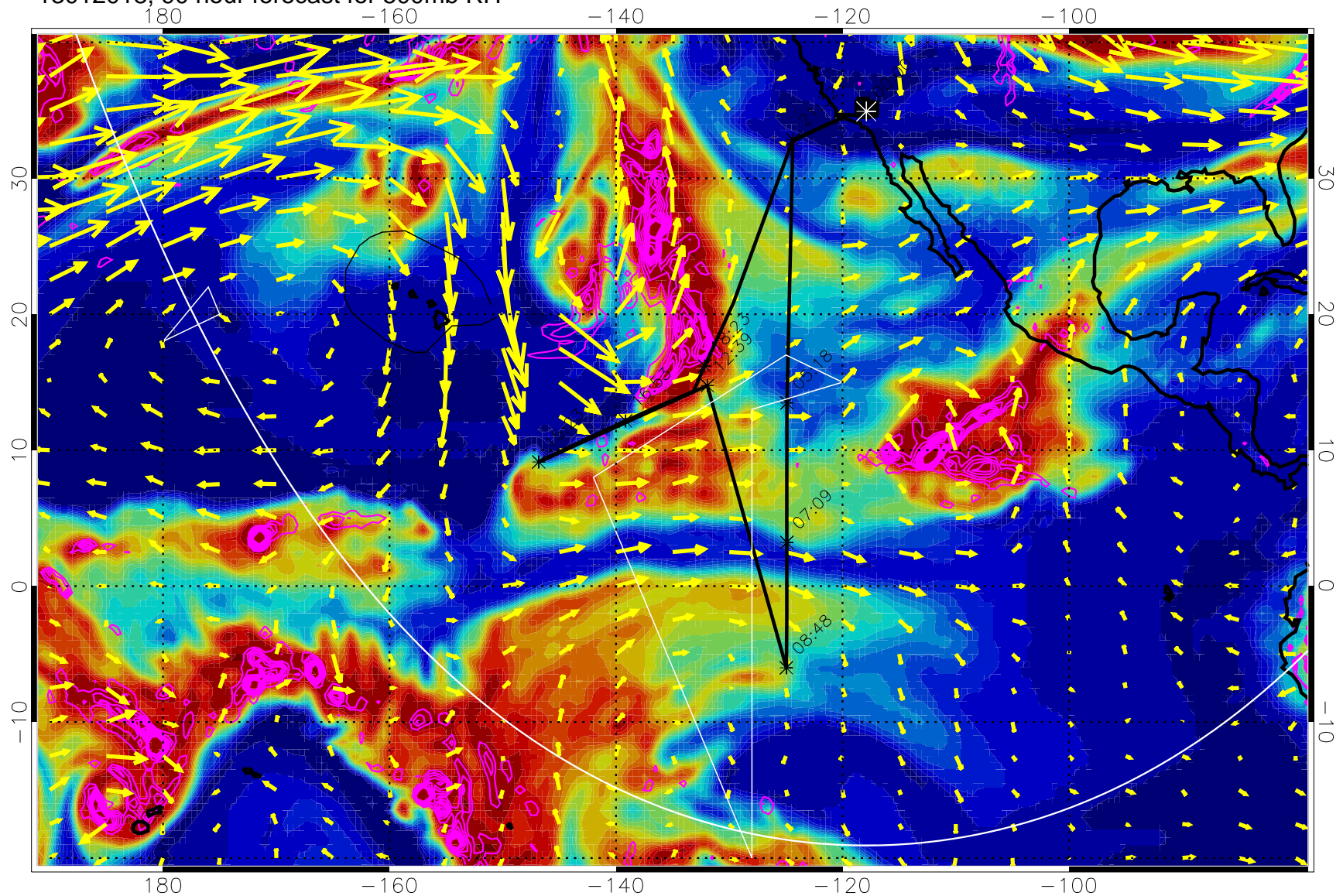
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012018, 90 hour forecast for 500mb RH



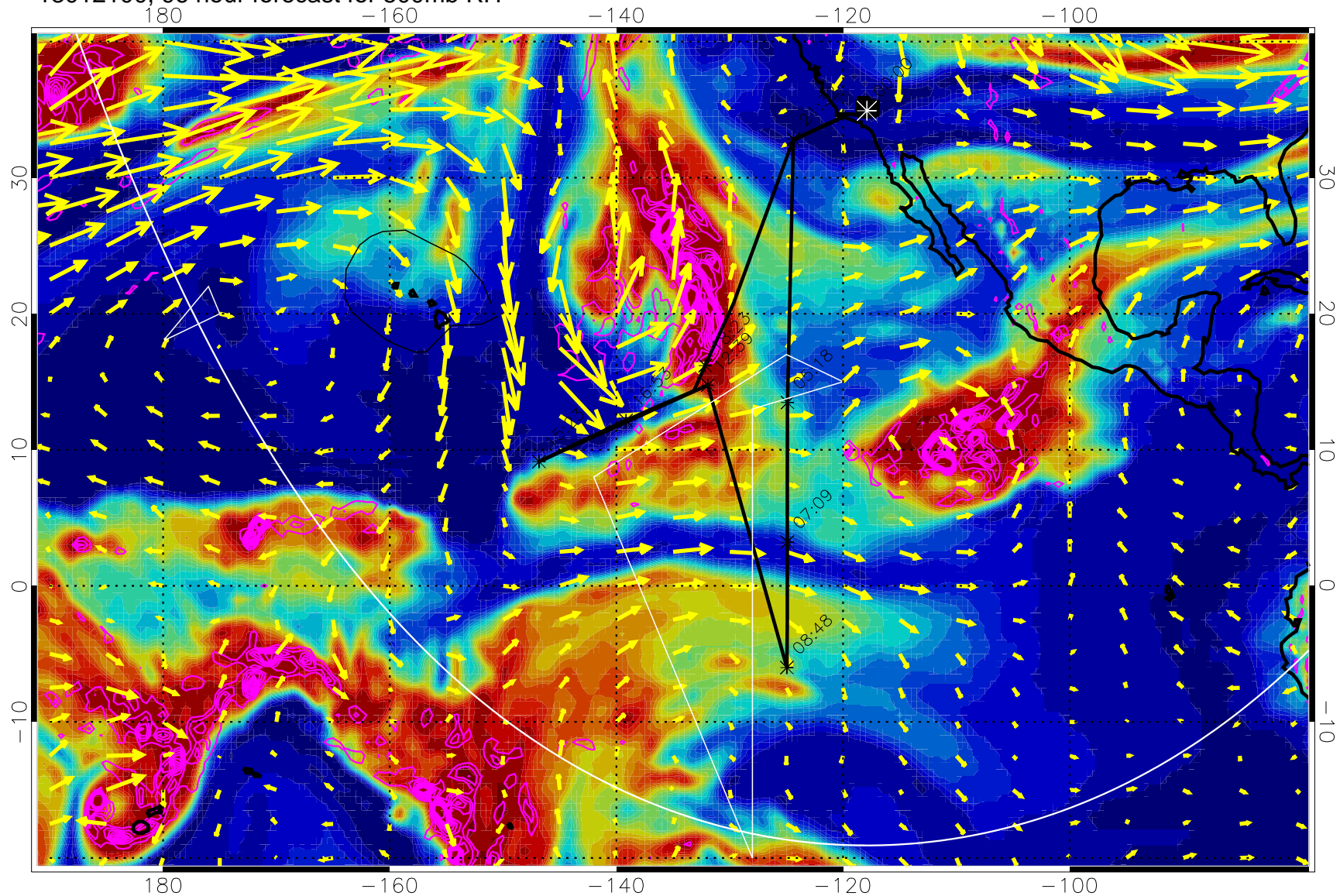
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012100, 96 hour forecast for 500mb RH



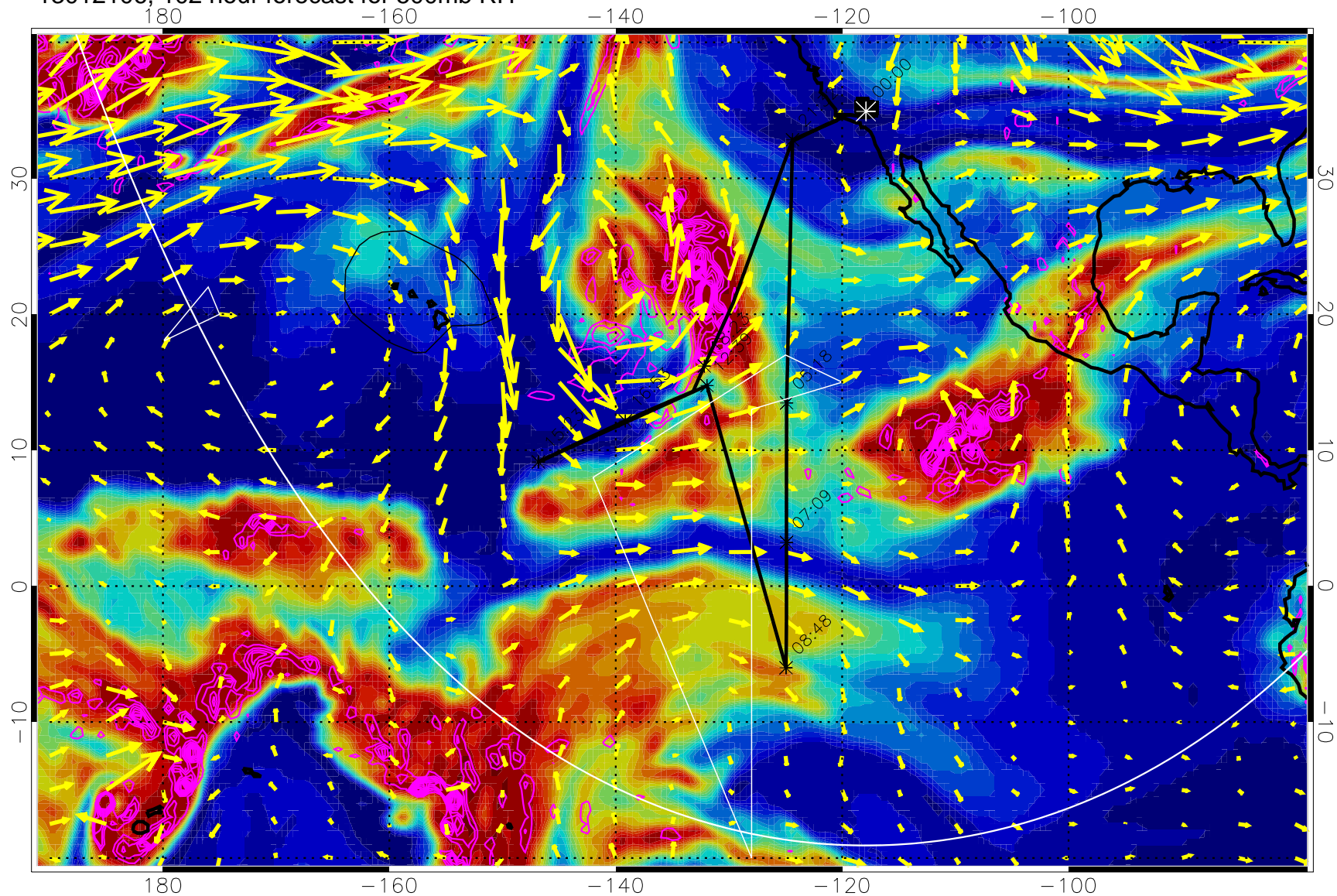
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012106, 102 hour forecast for 500mb RH



Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

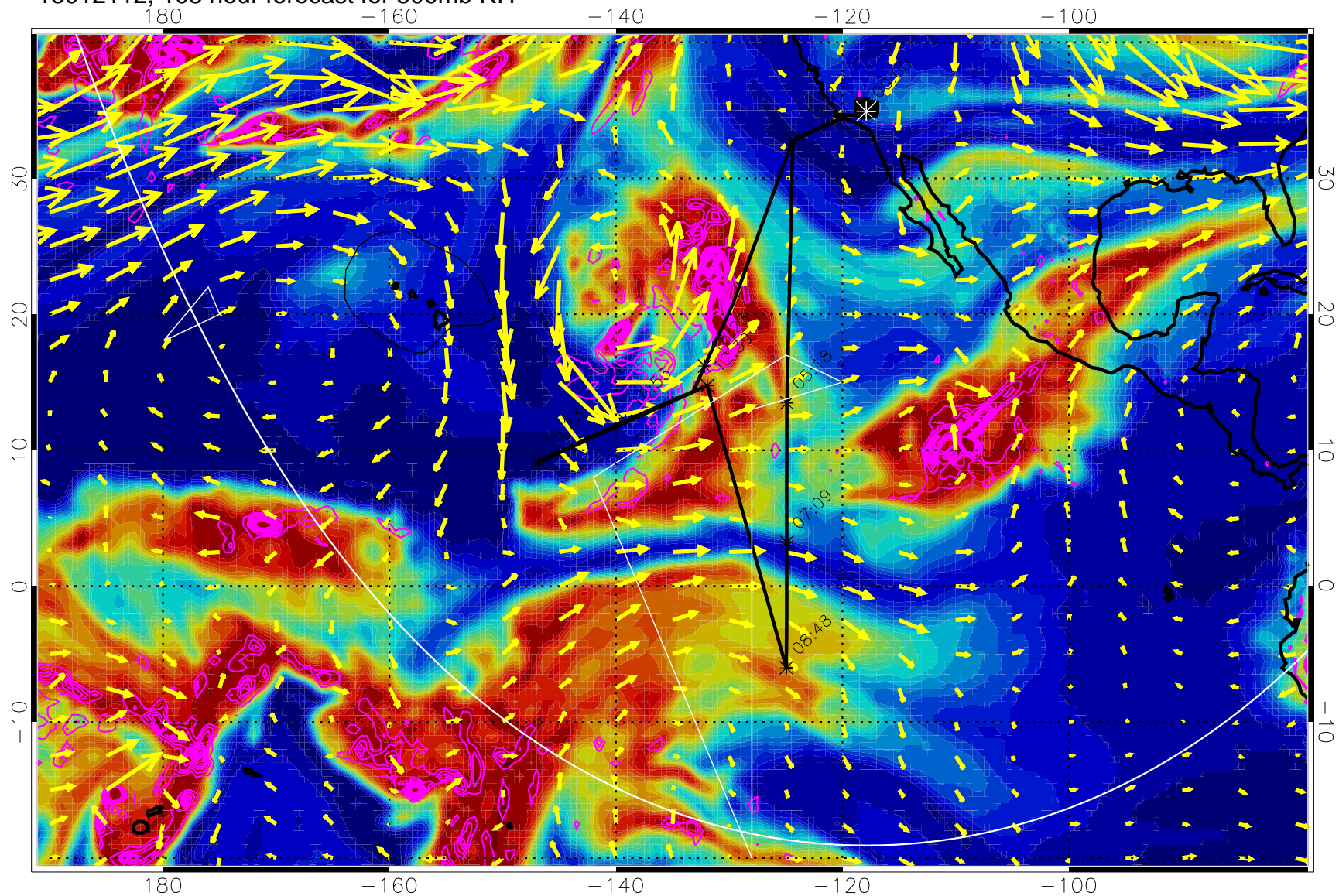
EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip



13012112, 108 hour forecast for 500mb RH



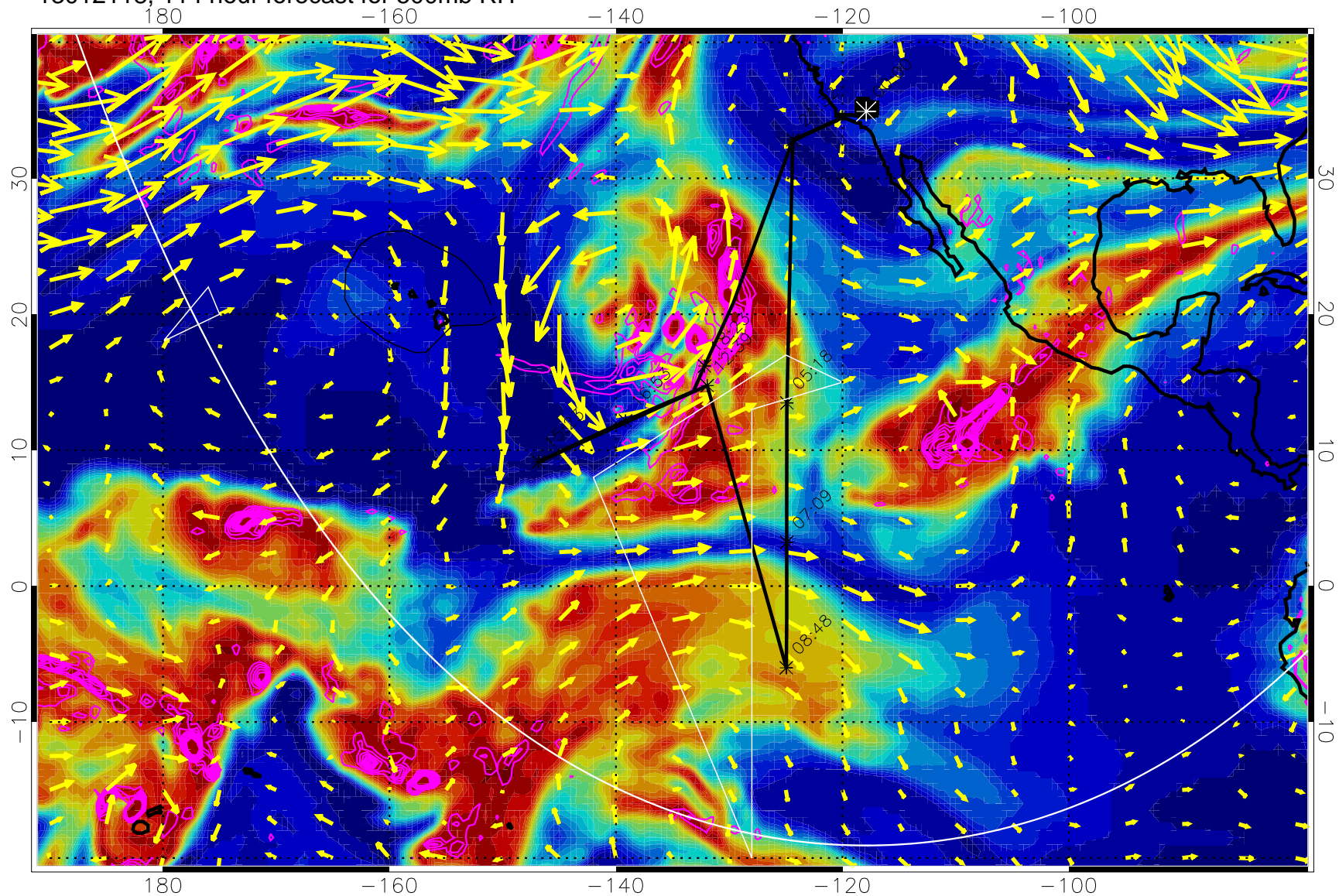
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012118, 114 hour forecast for 500mb RH



Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

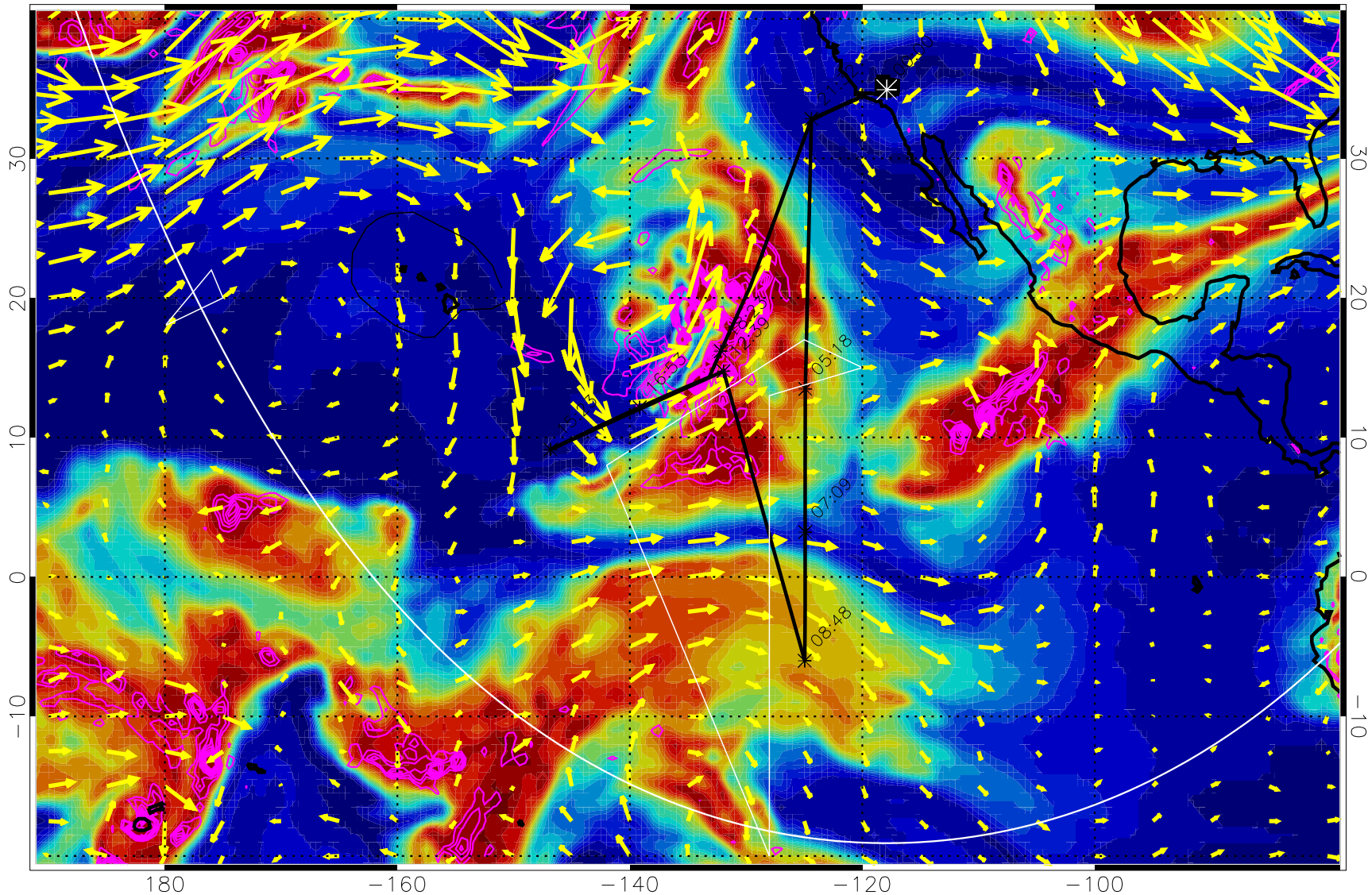
EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012200, 120 hour forecast for 500mb RH

180 -160 -140 -120 -100



0 20 40 60 80 100  
RH, %

Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 6000 km -- 19 hours GH round trip