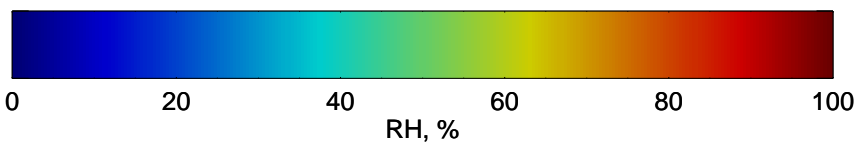
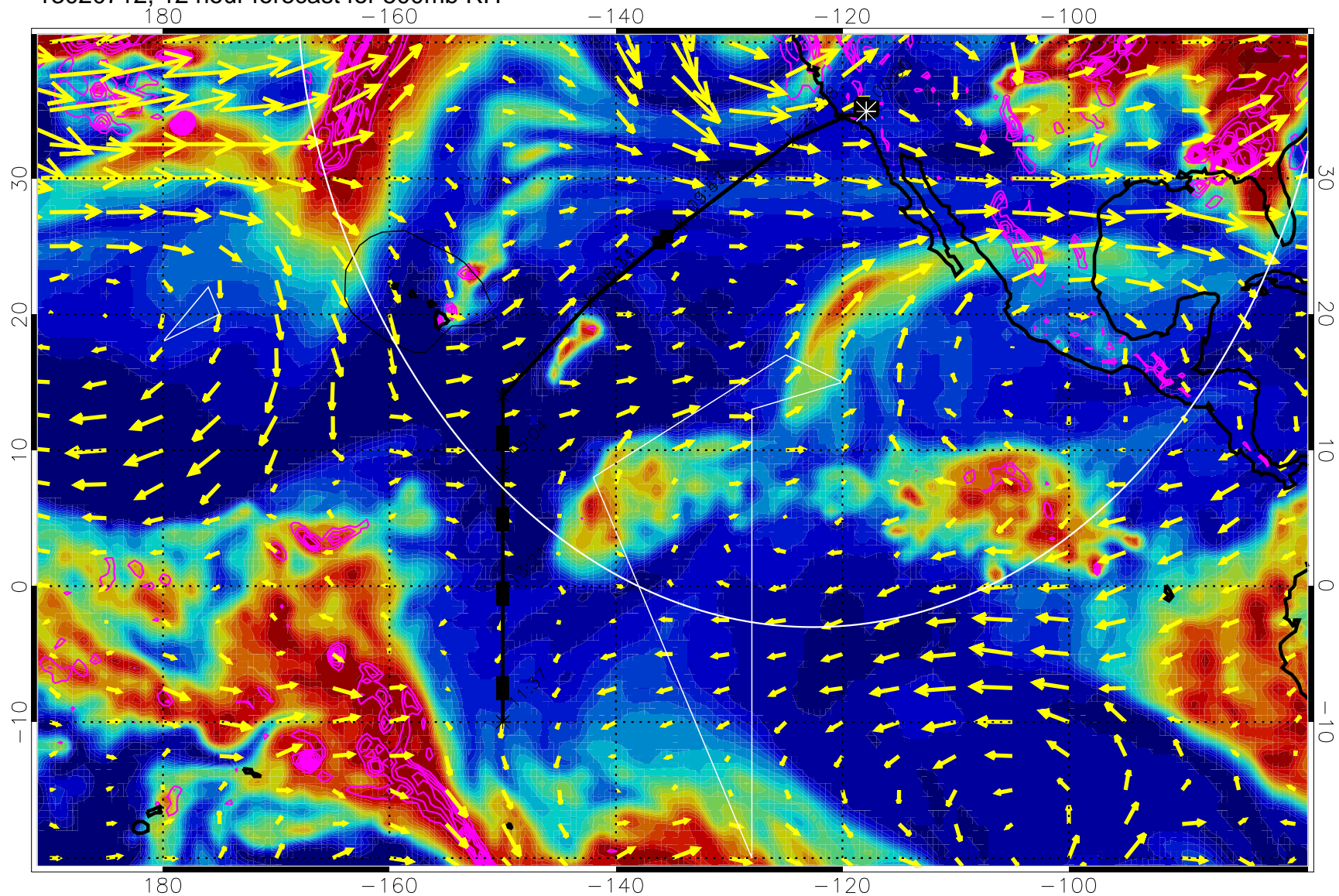


13020712, 12 hour forecast for 500mb RH



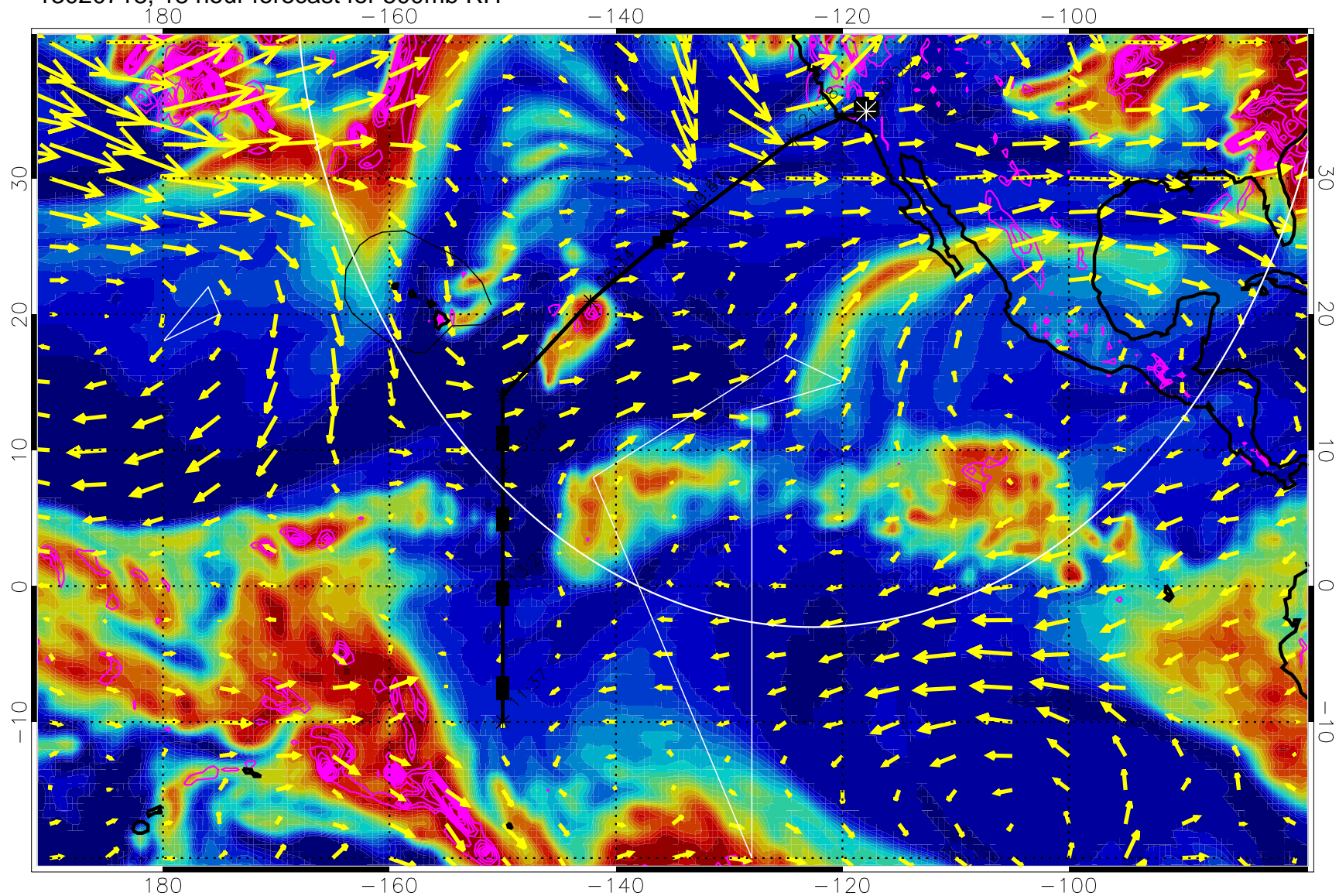
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13020718, 18 hour forecast for 500mb RH



0 20 40 60 80 100  
RH, %

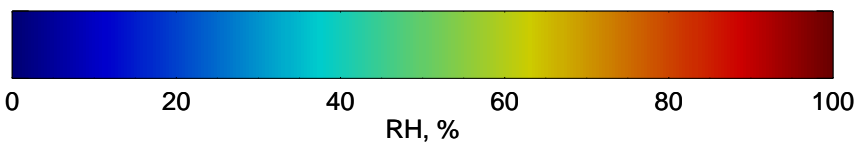
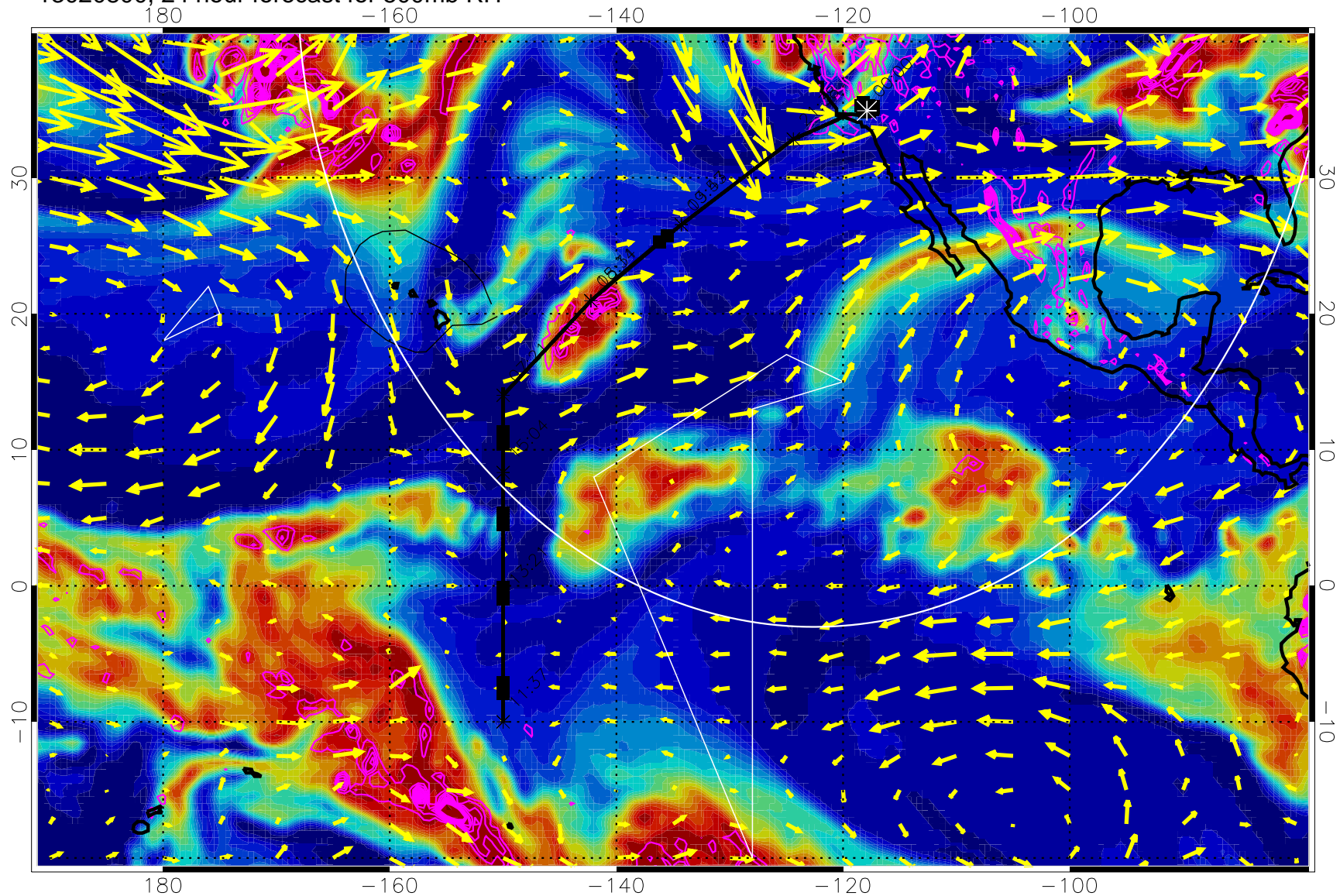
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13020800, 24 hour forecast for 500mb RH



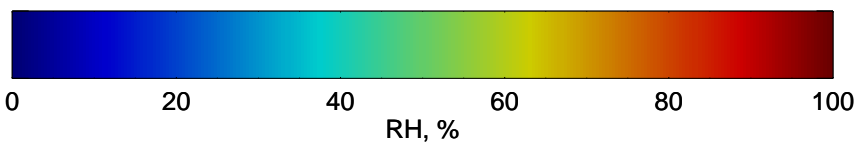
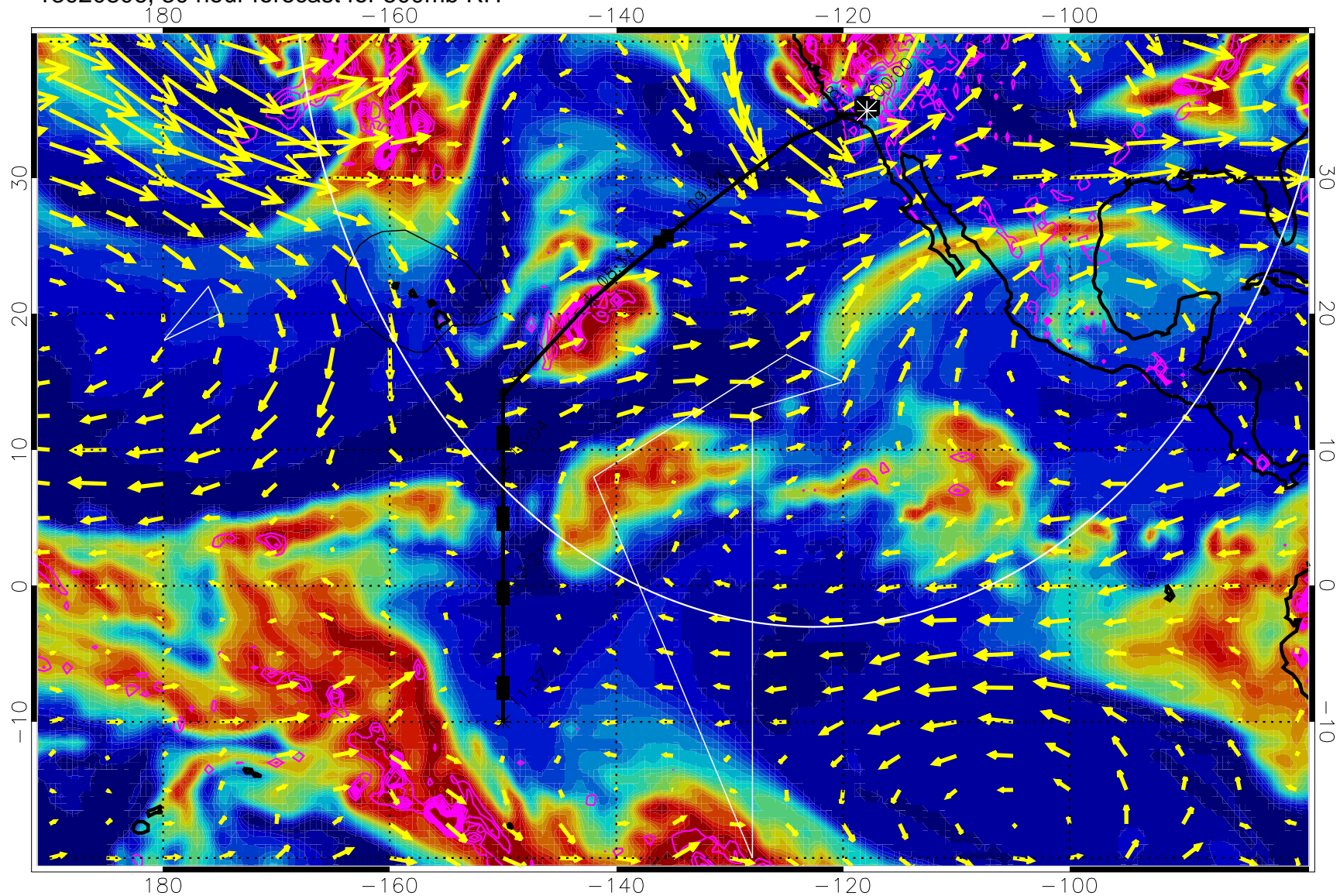
Negative Omegas less than  $-.3$ , contours of  $.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13020806, 30 hour forecast for 500mb RH



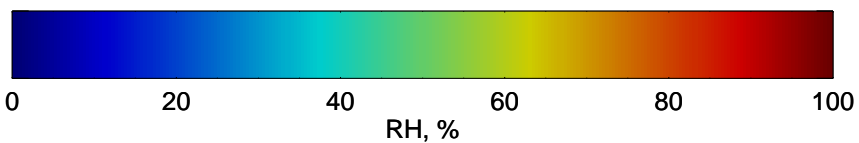
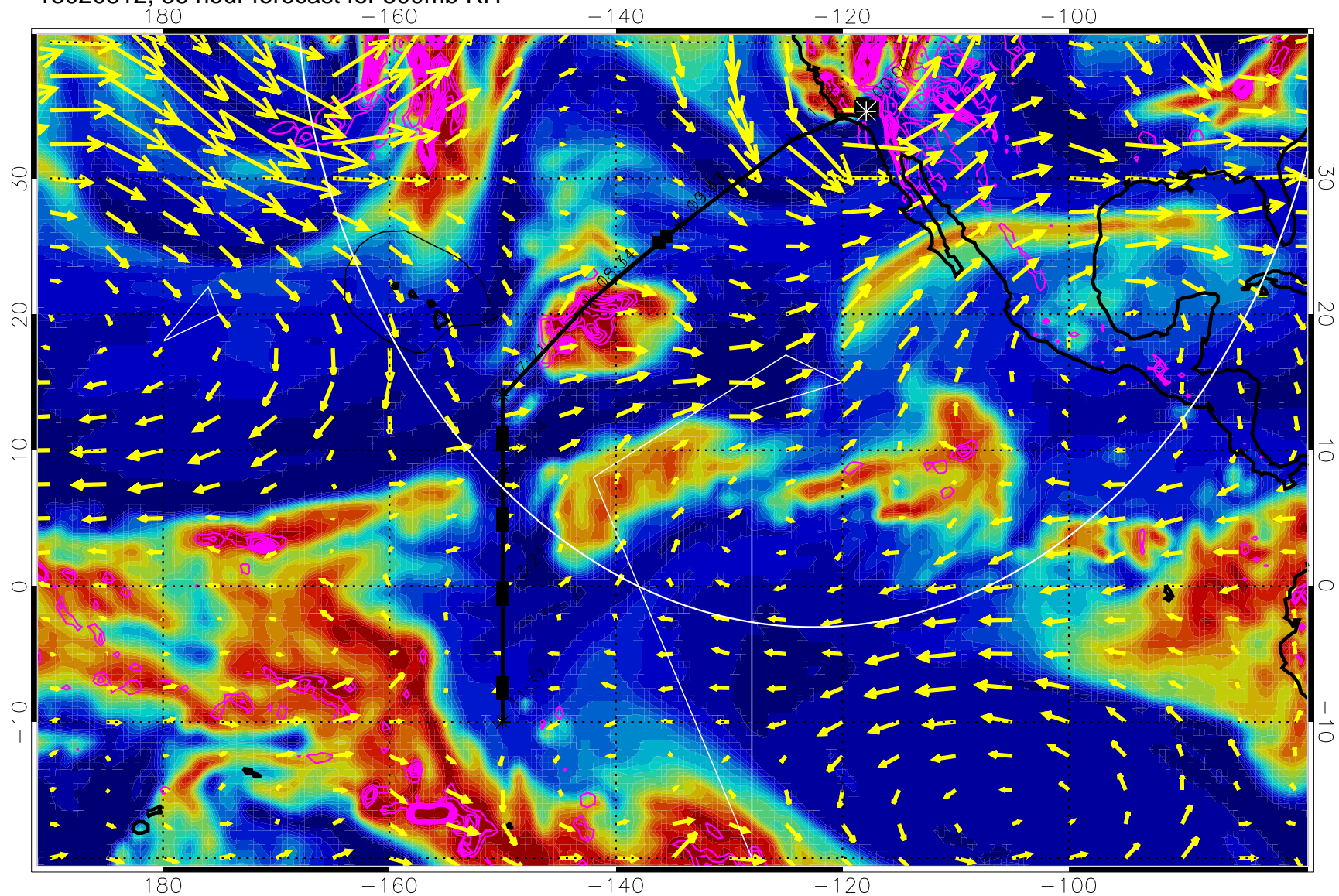
Negative Omegas less than  $-0.3$ , contours of  $0.3 \text{ Pa/s}$

EPV Tropopause ( $2 \text{ PVU}$ ) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13020812, 36 hour forecast for 500mb RH



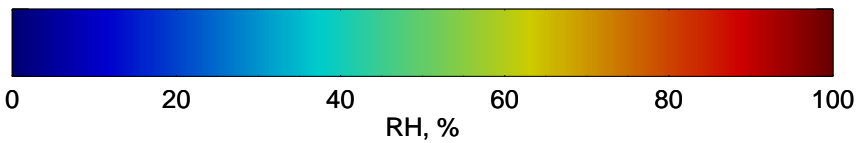
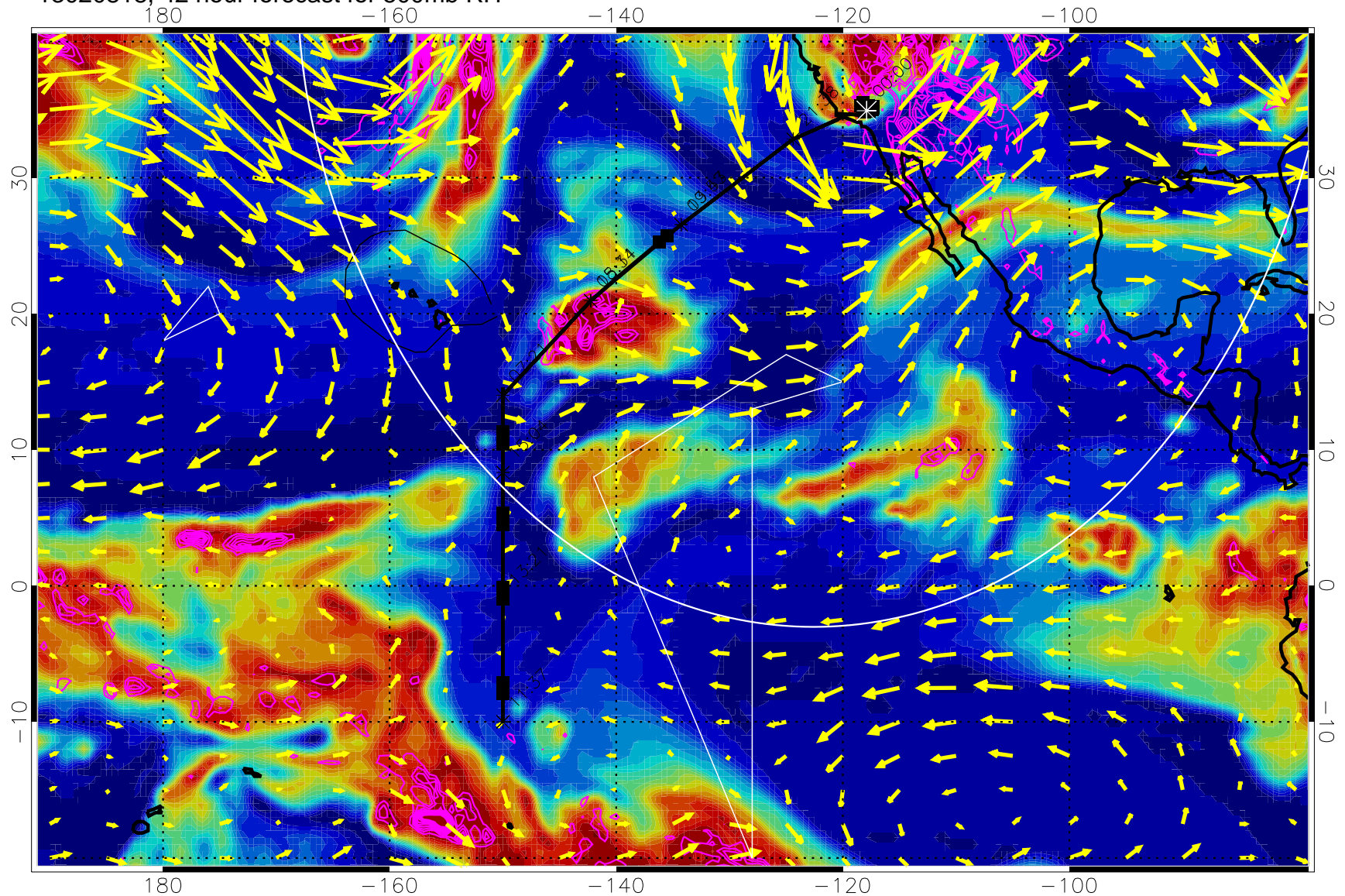
Negative Omegas less than  $-0.3$ , contours of  $.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13020818, 42 hour forecast for 500mb RH



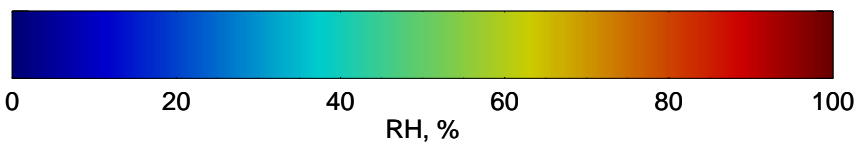
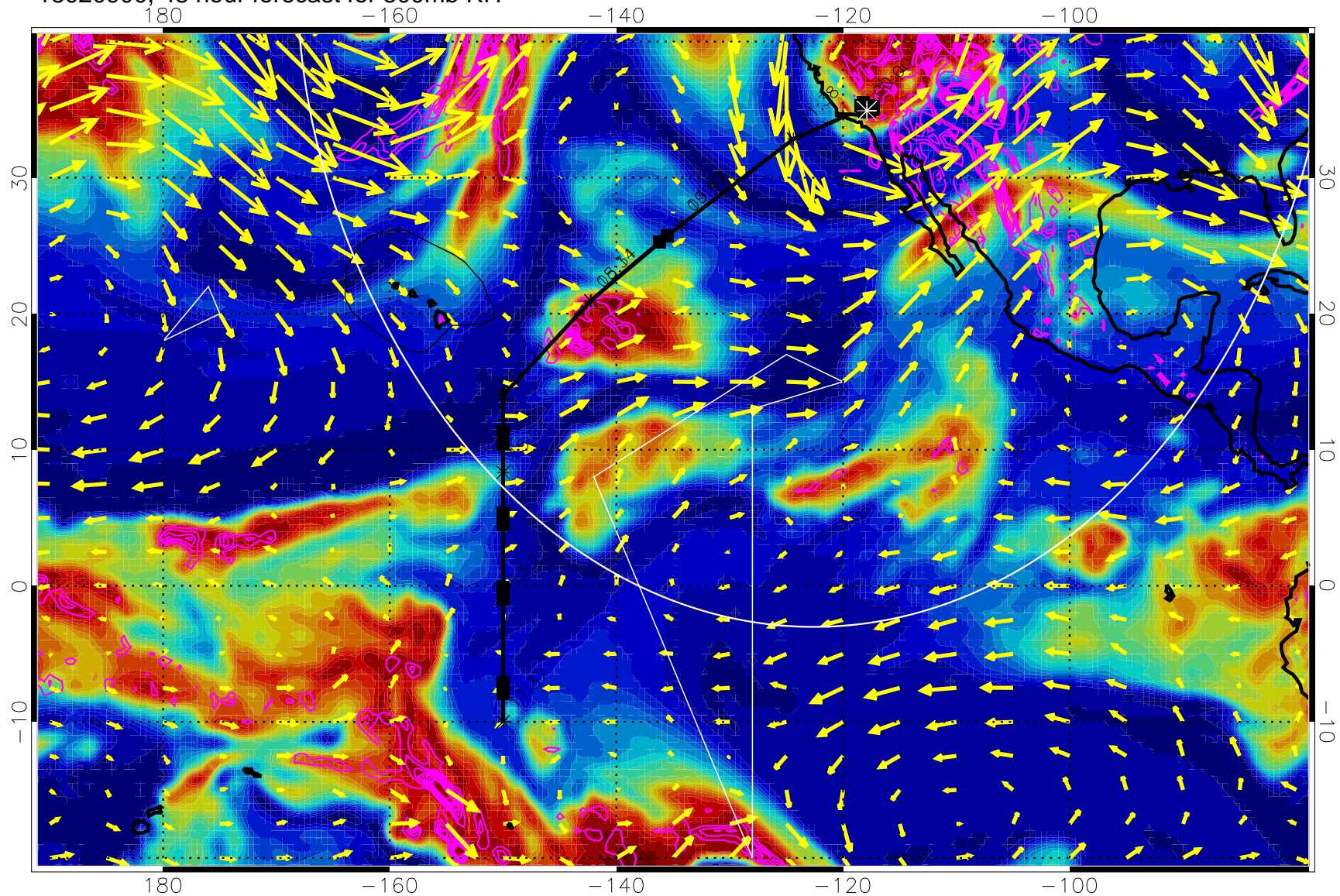
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13020900, 48 hour forecast for 500mb RH



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

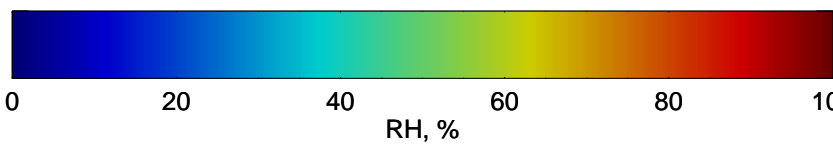
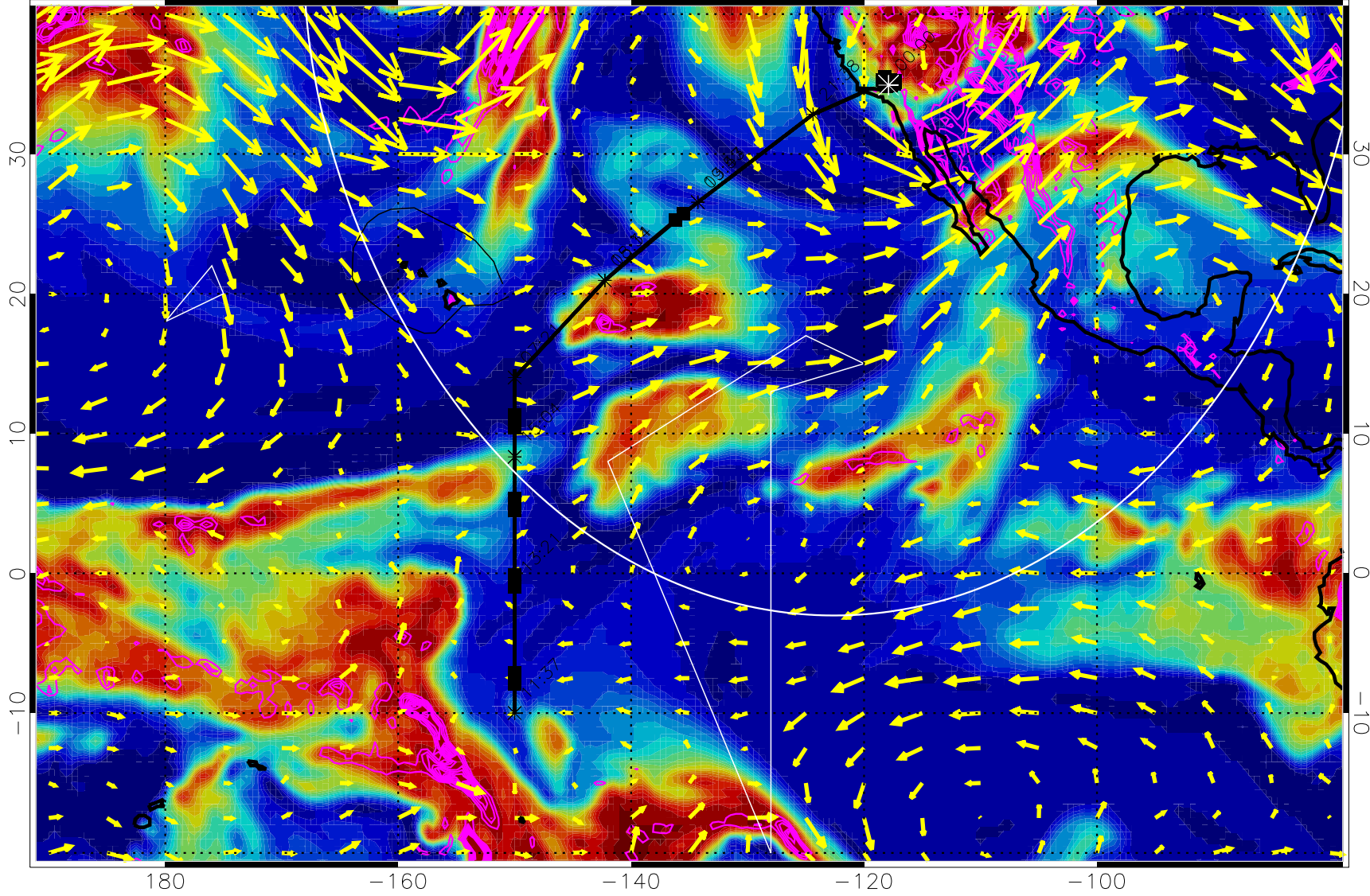
EPV Tropopause ( $2$  PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13020906, 54 hour forecast for 500mb RH

180 -160 -140 -120 -100



Negative Omegas less than  $-0.3$ , contours of  $.3$  Pa/s

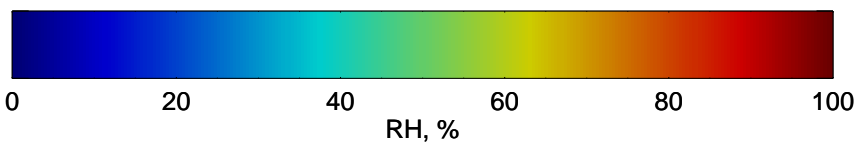
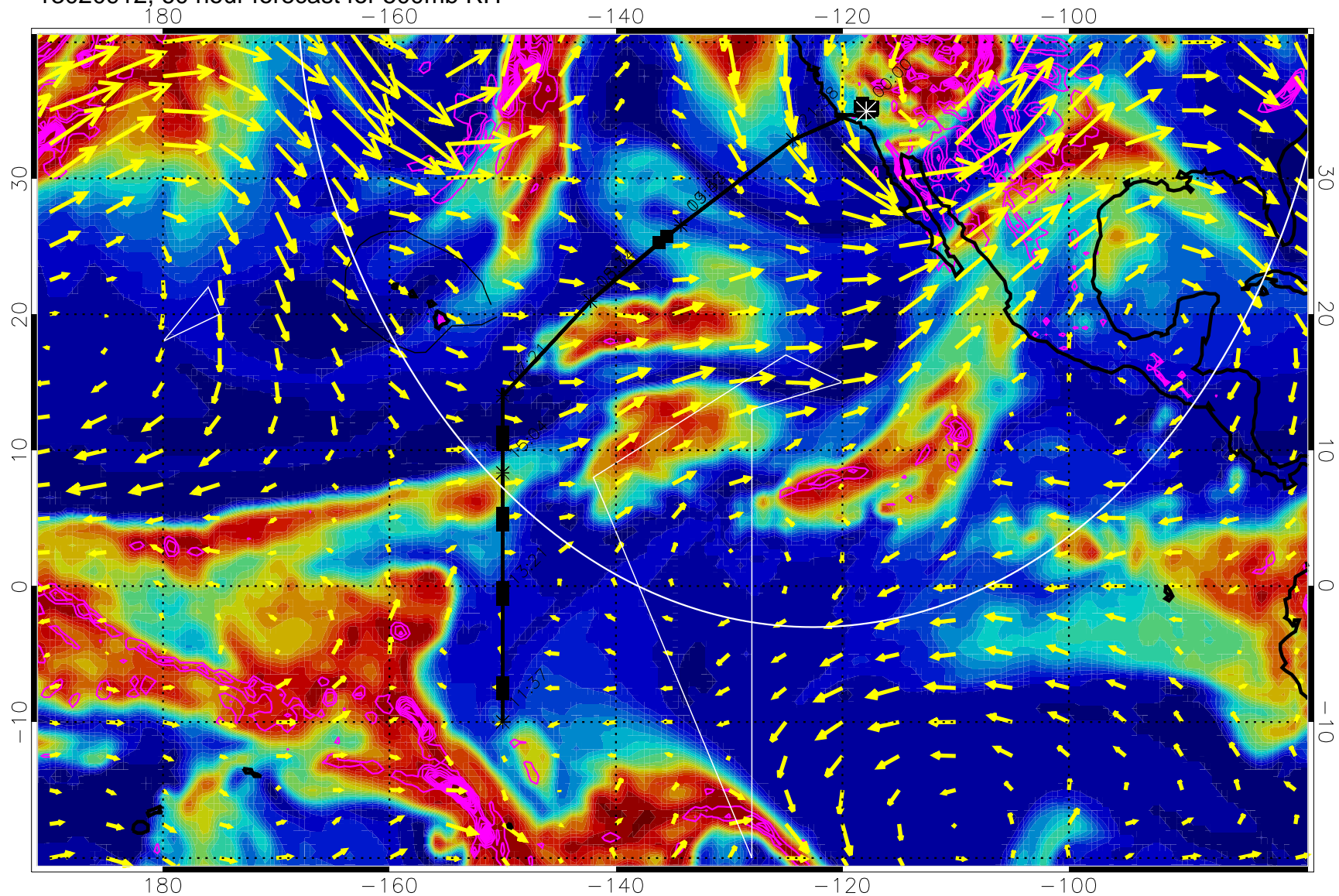
EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip



13020912, 60 hour forecast for 500mb RH



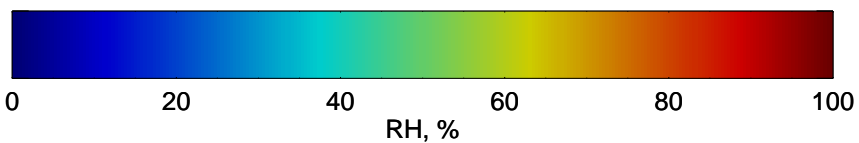
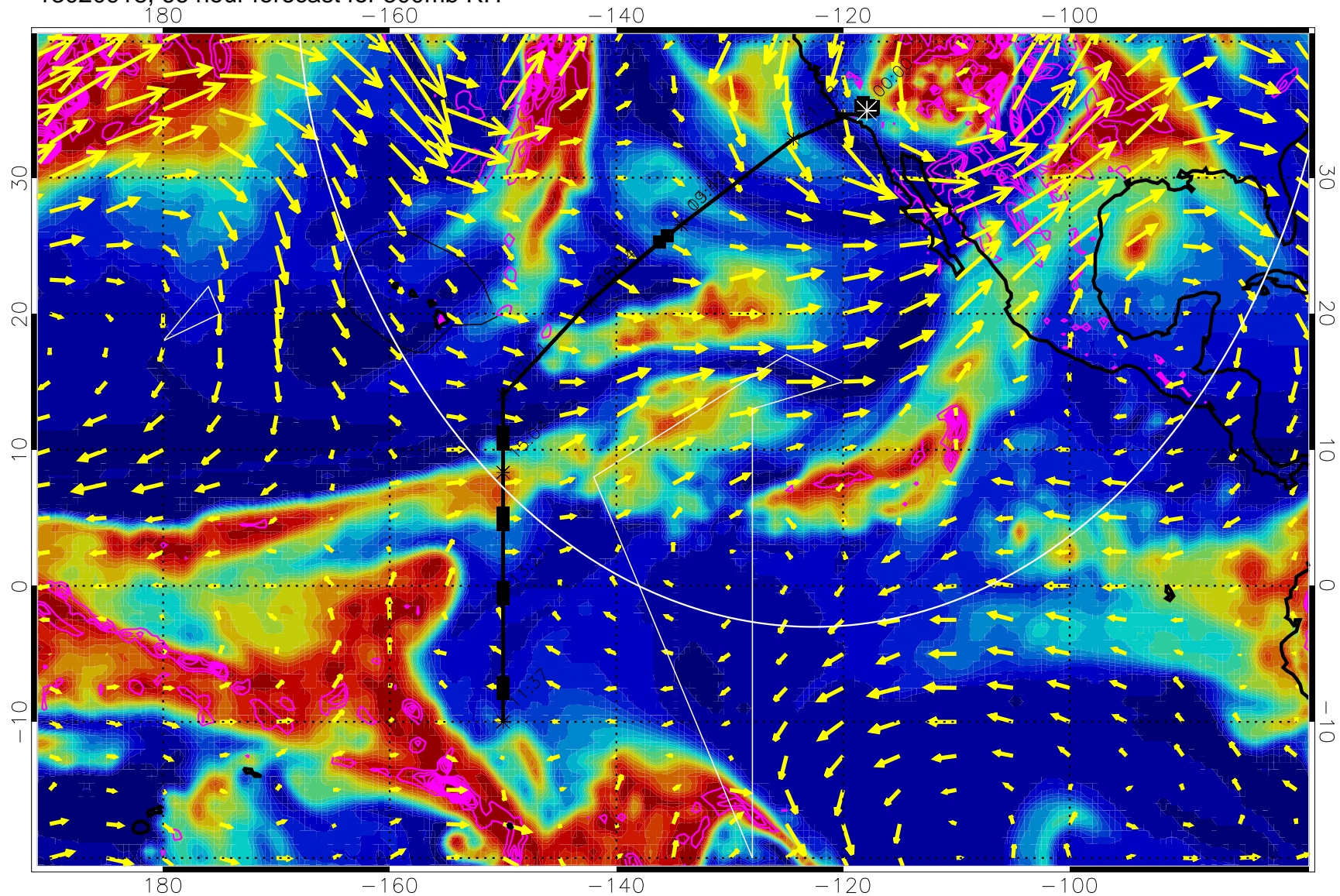
Negative Omegas less than  $-0.3$ , contours of  $.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13020918, 66 hour forecast for 500mb RH



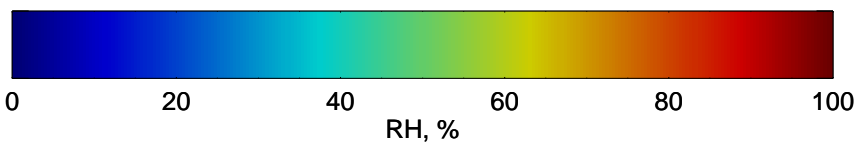
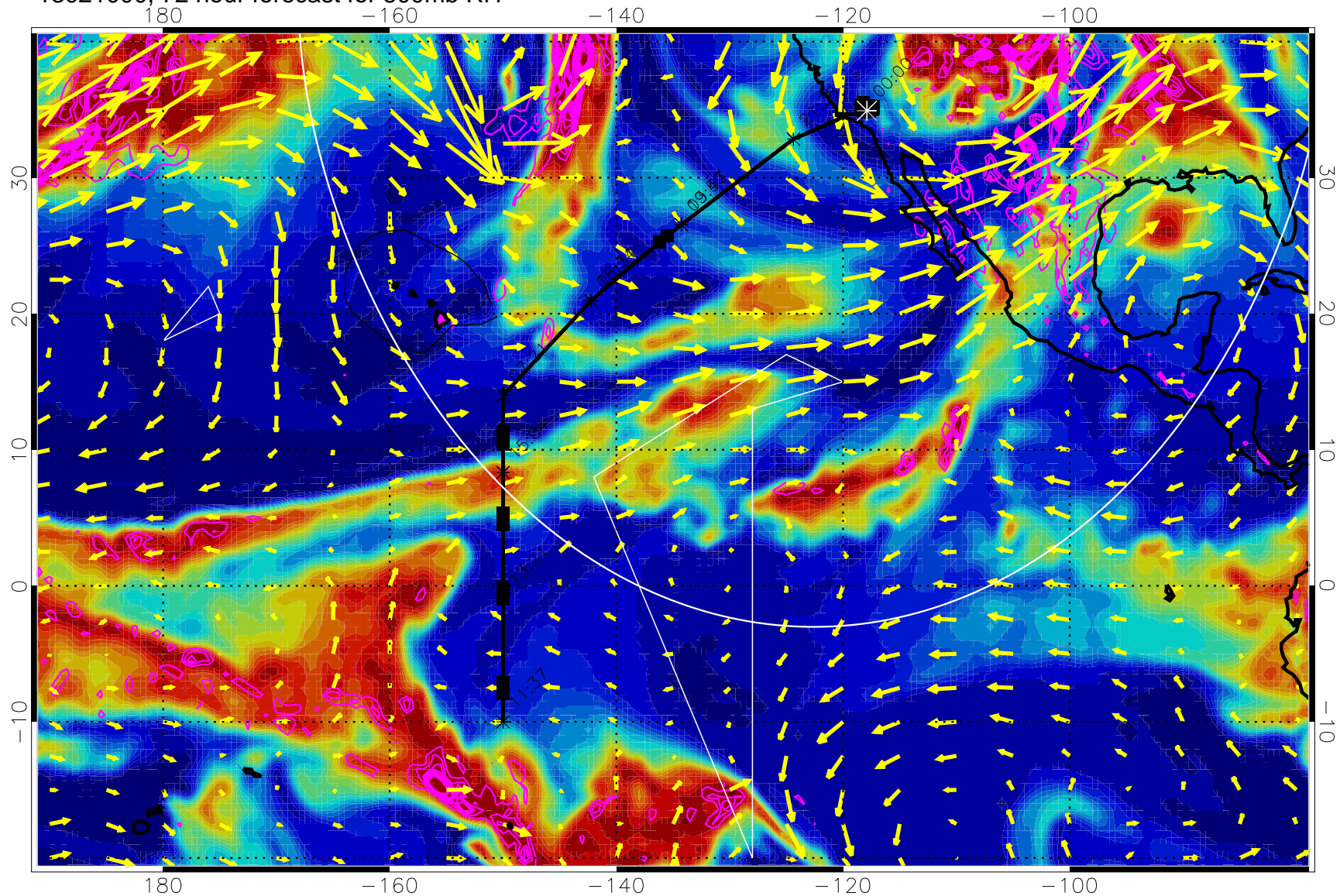
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13021000, 72 hour forecast for 500mb RH



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

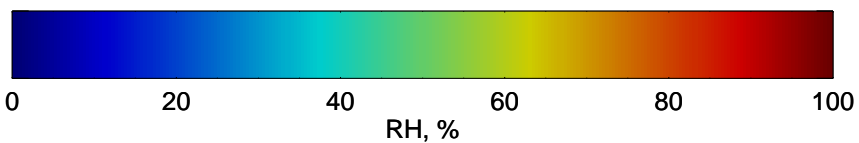
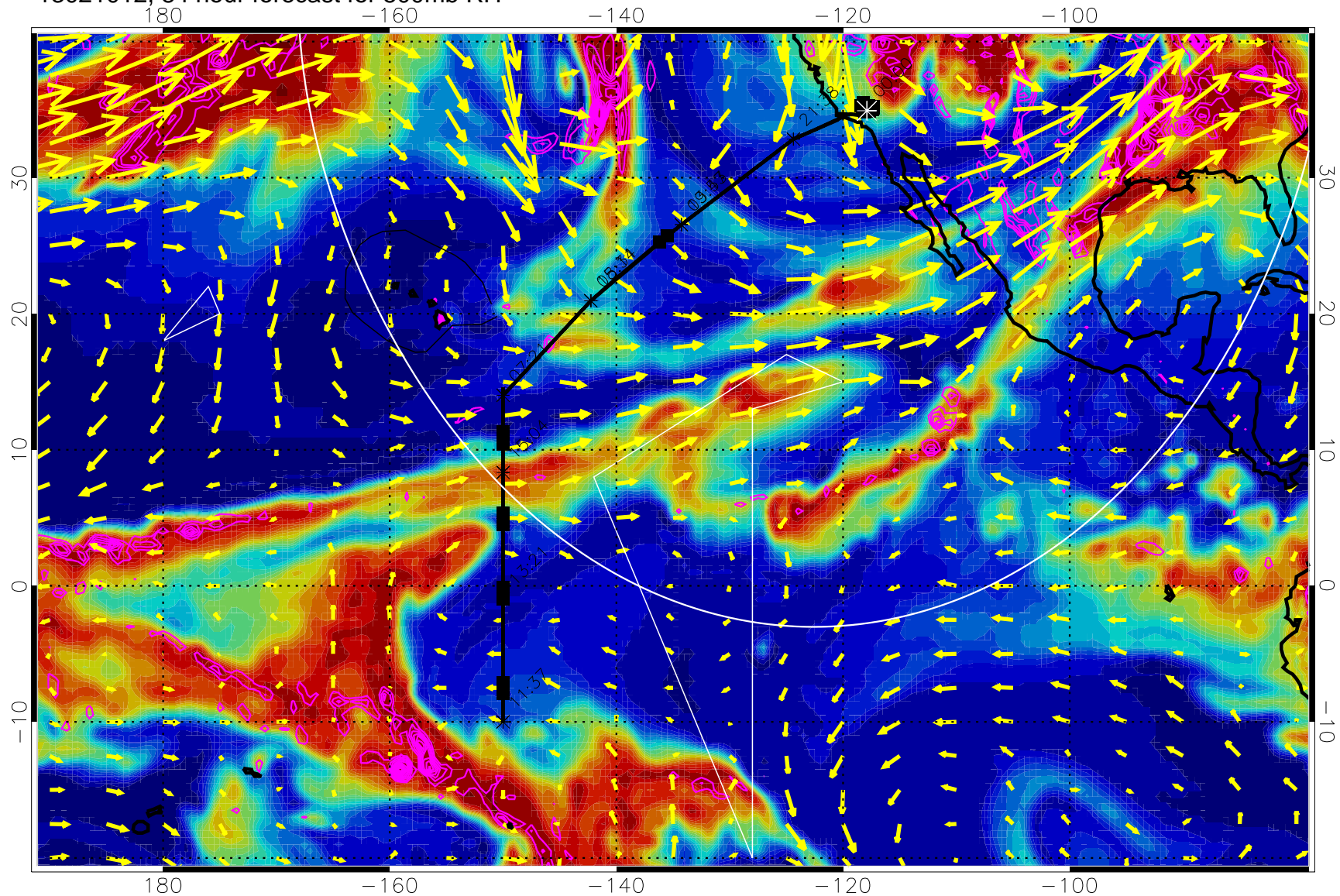
EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip



13021012, 84 hour forecast for 500mb RH



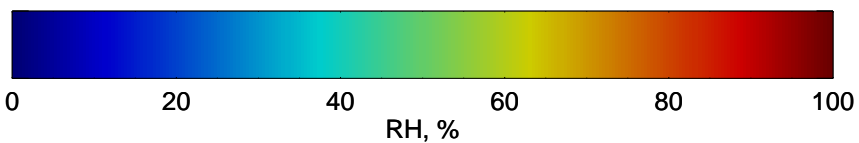
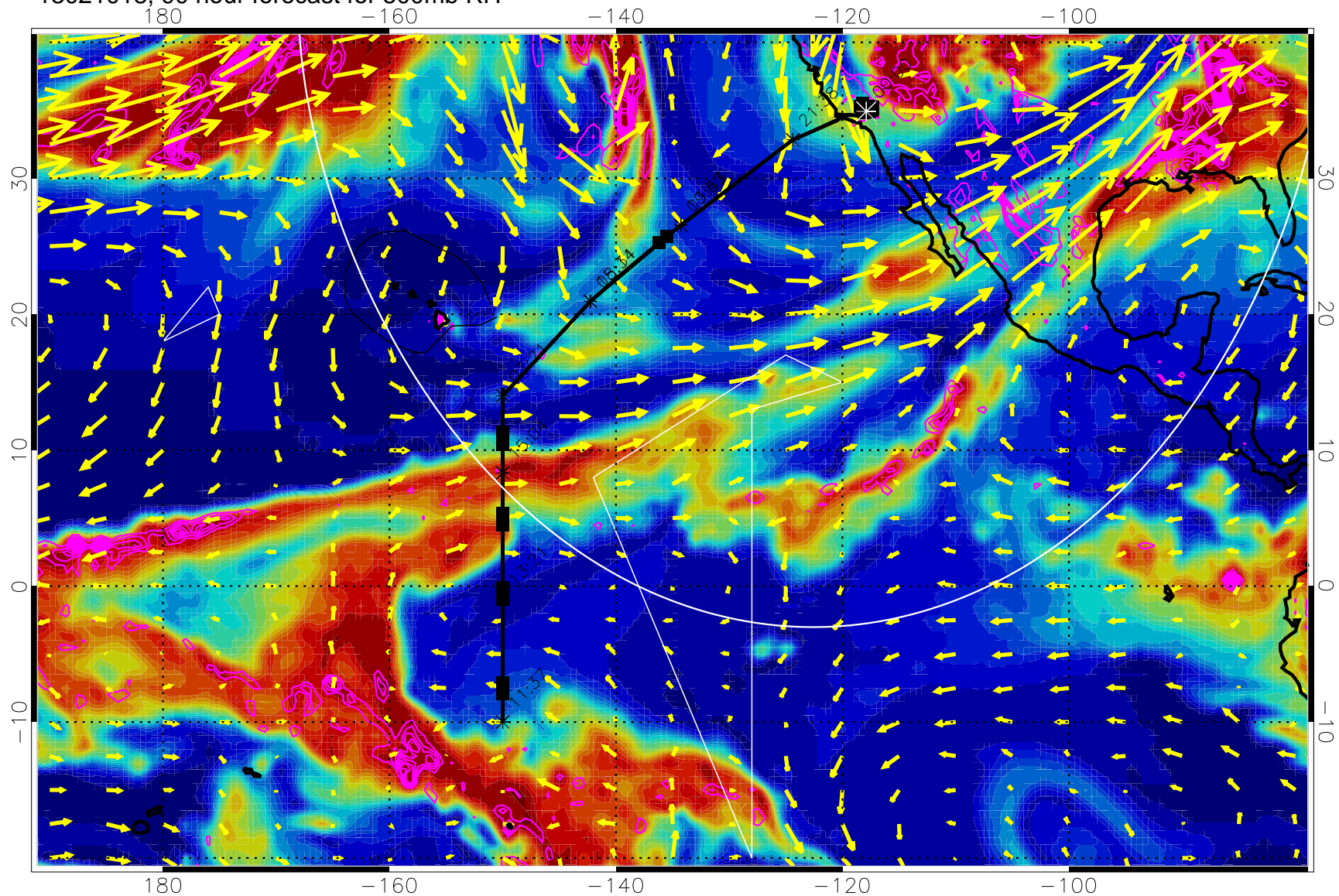
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13021018, 90 hour forecast for 500mb RH



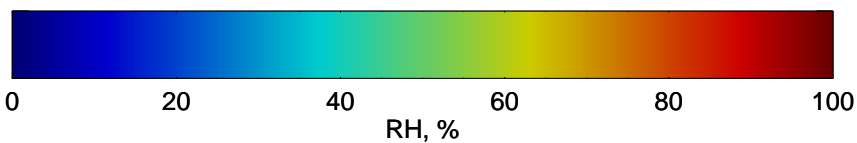
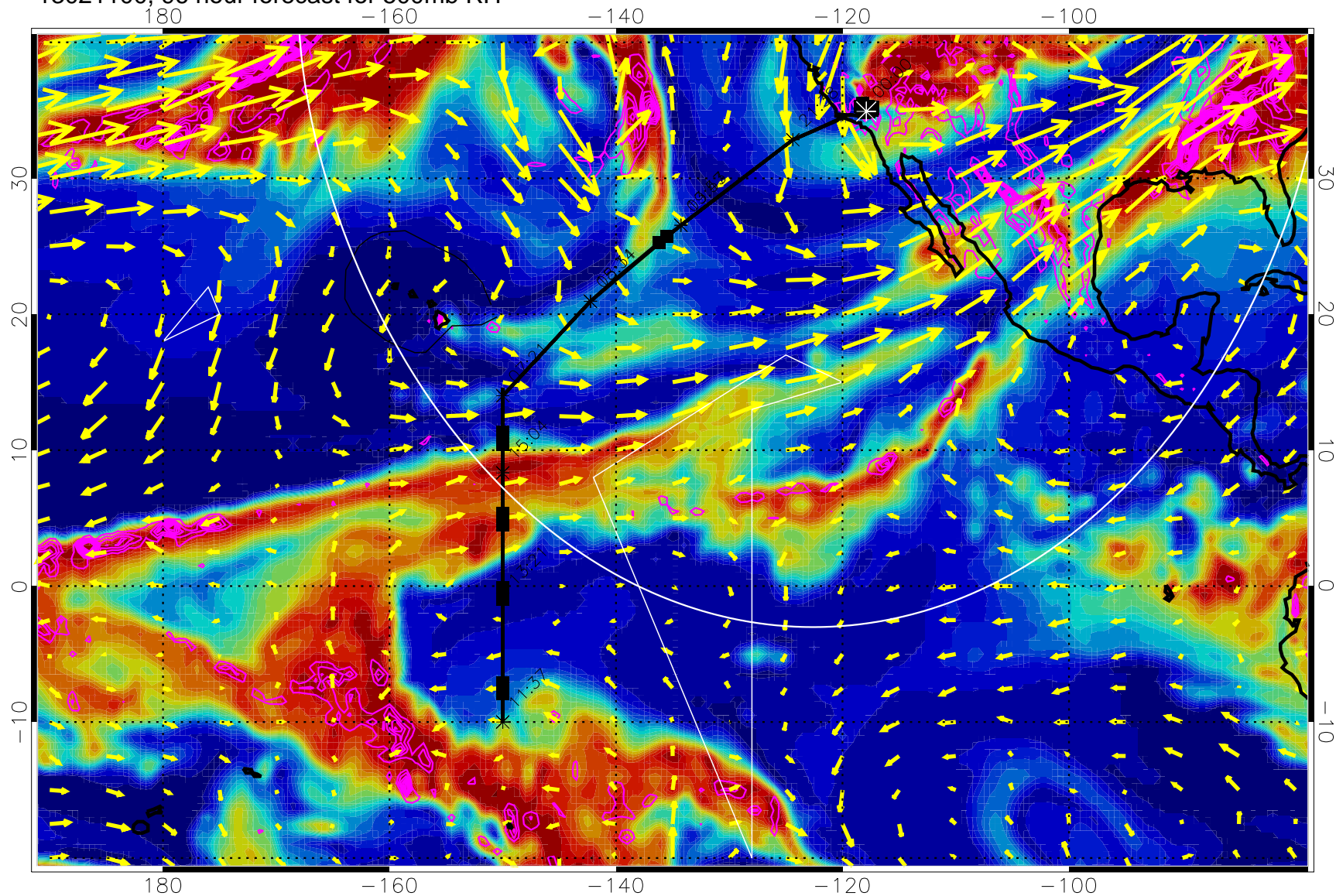
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13021100, 96 hour forecast for 500mb RH



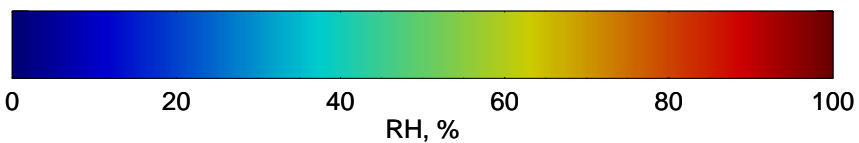
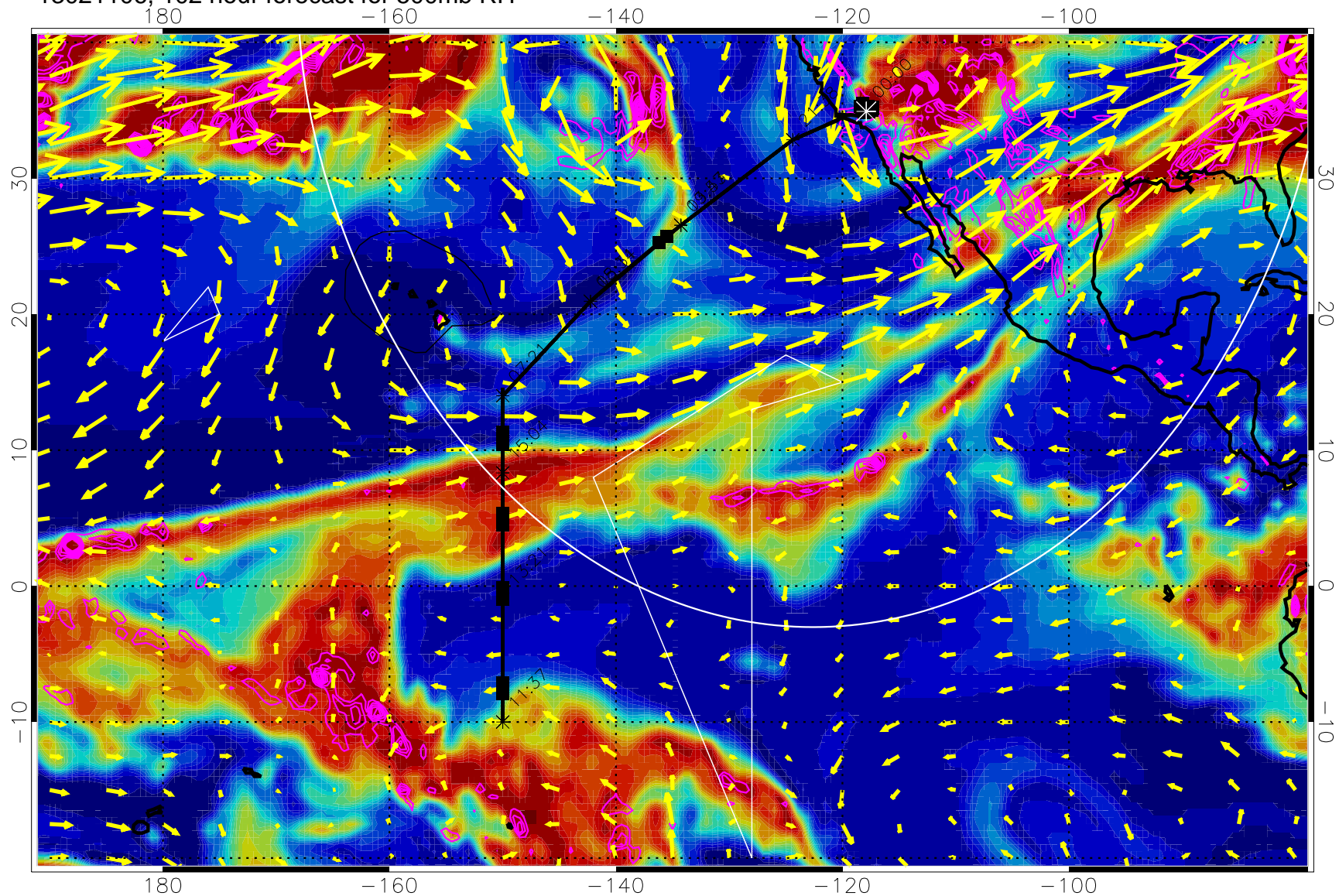
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13021106, 102 hour forecast for 500mb RH



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

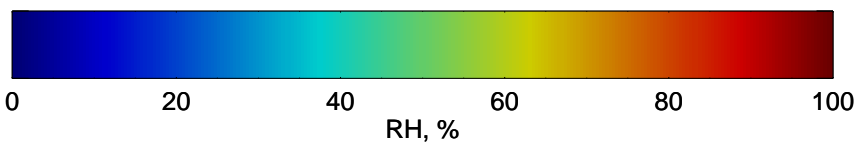
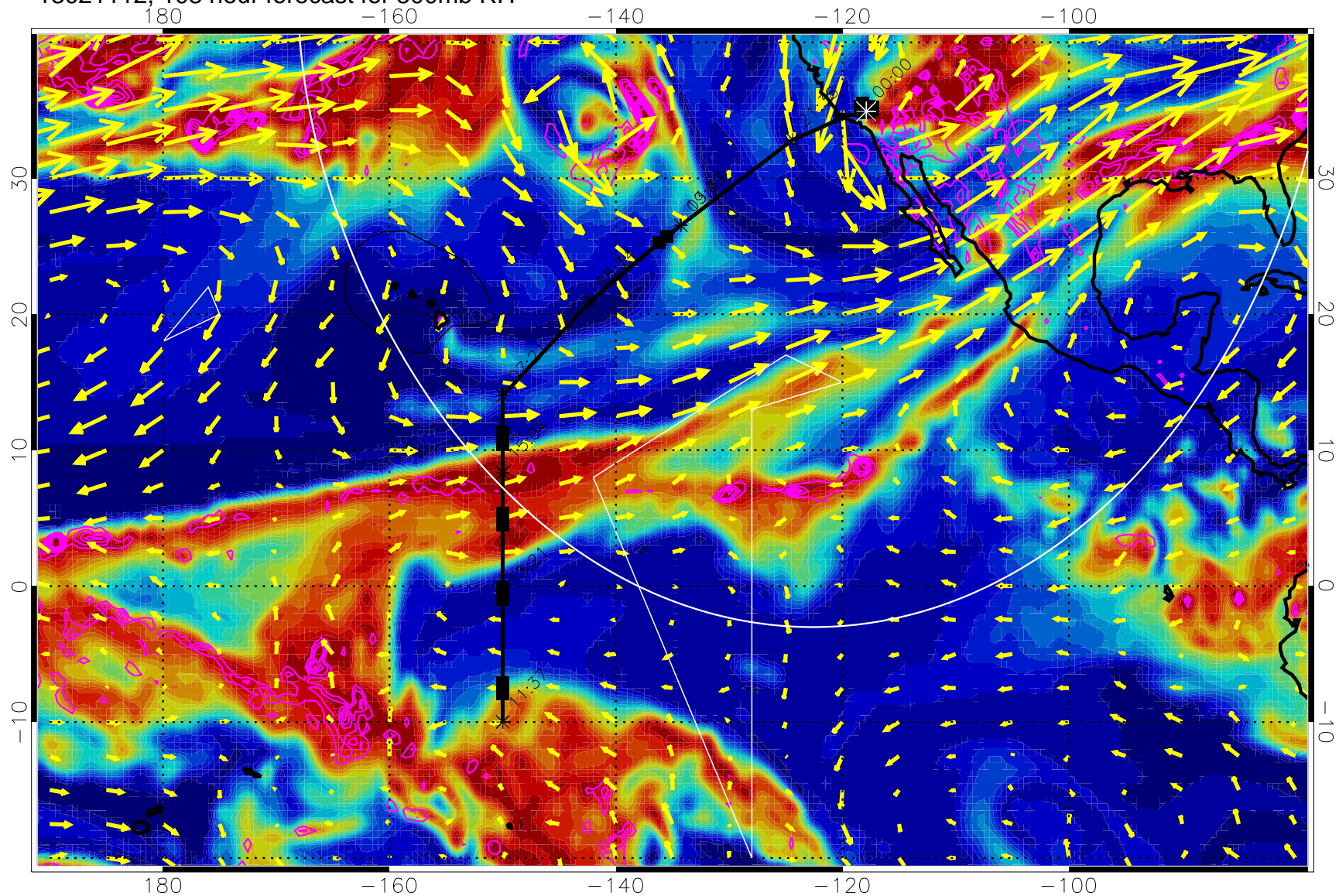
EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip



13021112, 108 hour forecast for 500mb RH



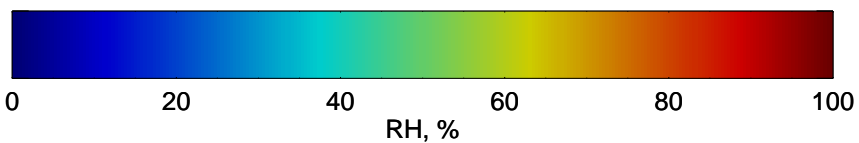
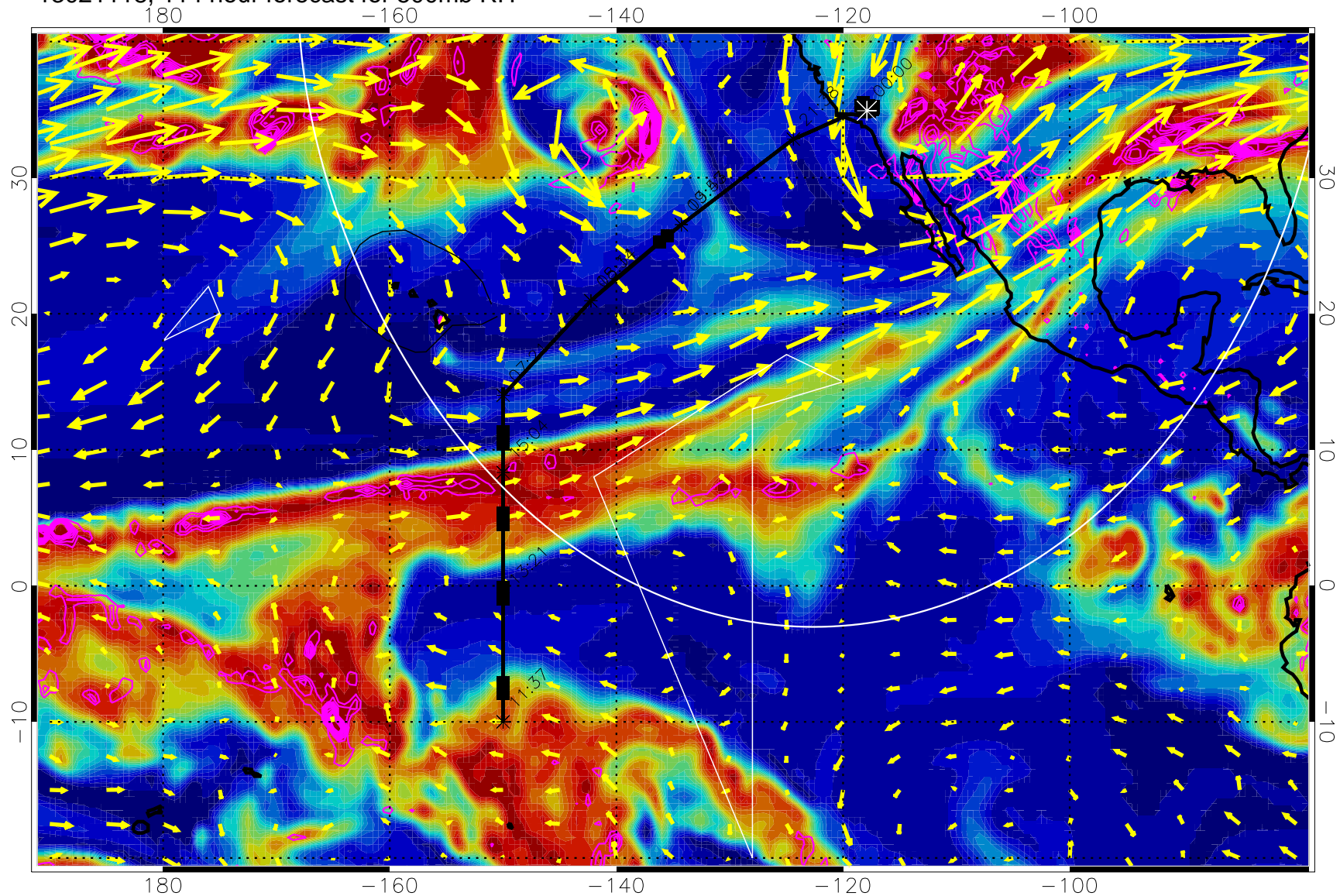
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13021118, 114 hour forecast for 500mb RH



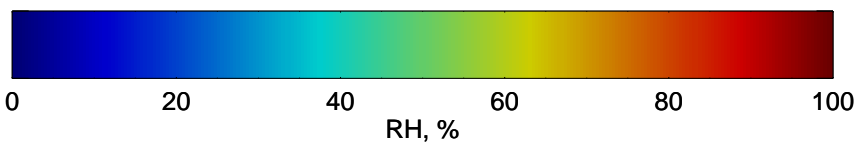
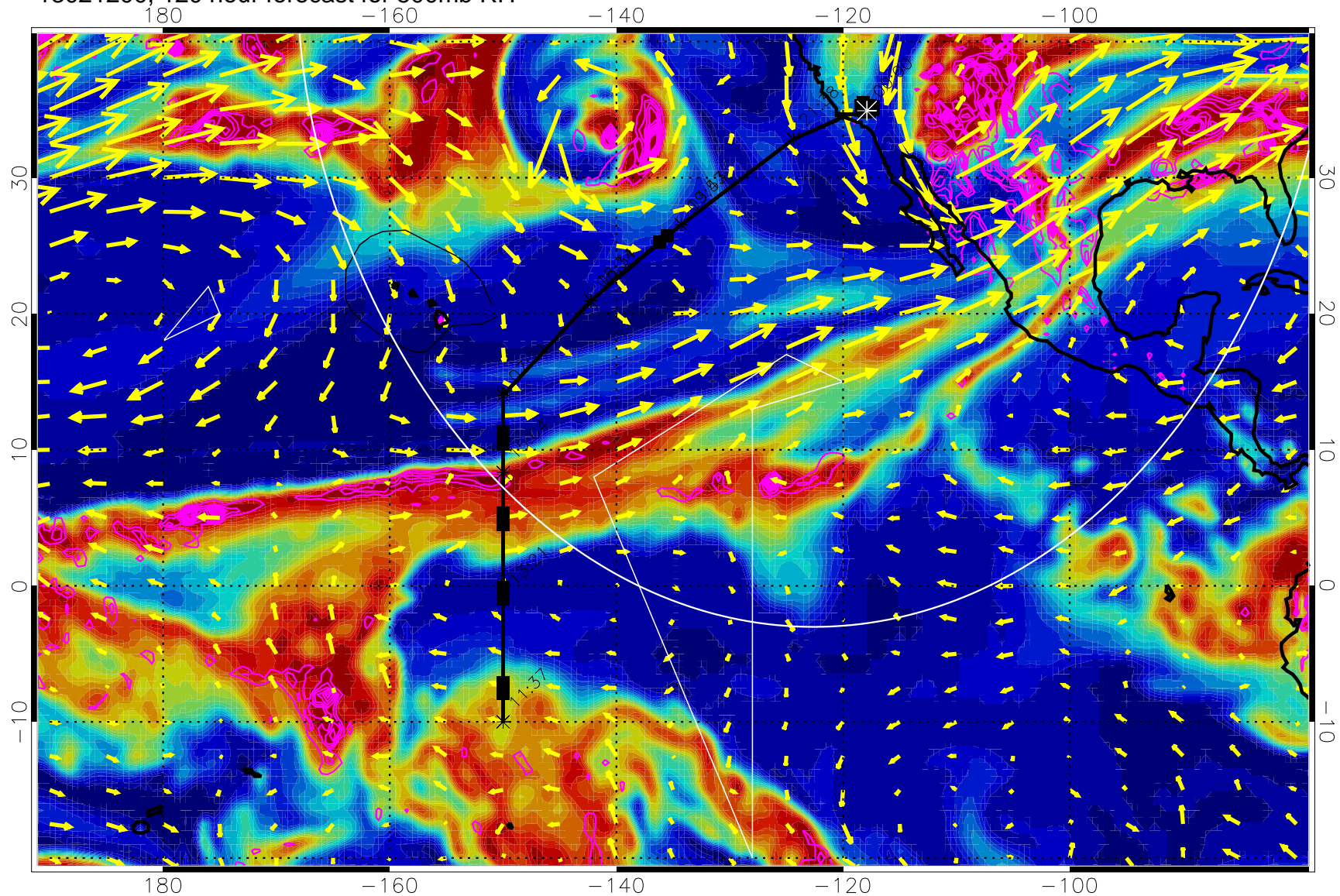
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

Range ring of 4055 km -- 13 hours GH round trip

13021200, 120 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 4055 km -- 13 hours GH round trip