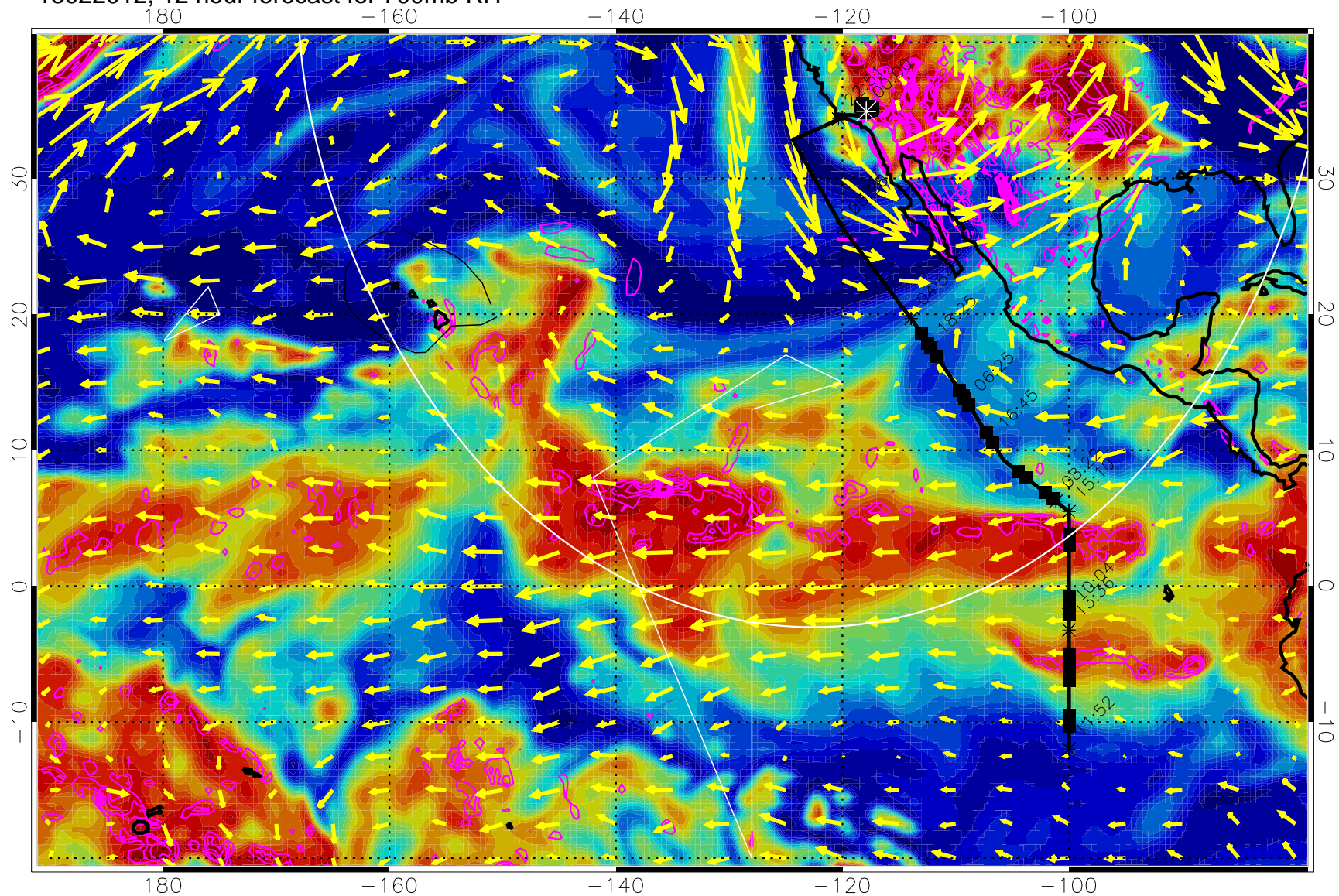


13022012, 12 hour forecast for 700mb RH



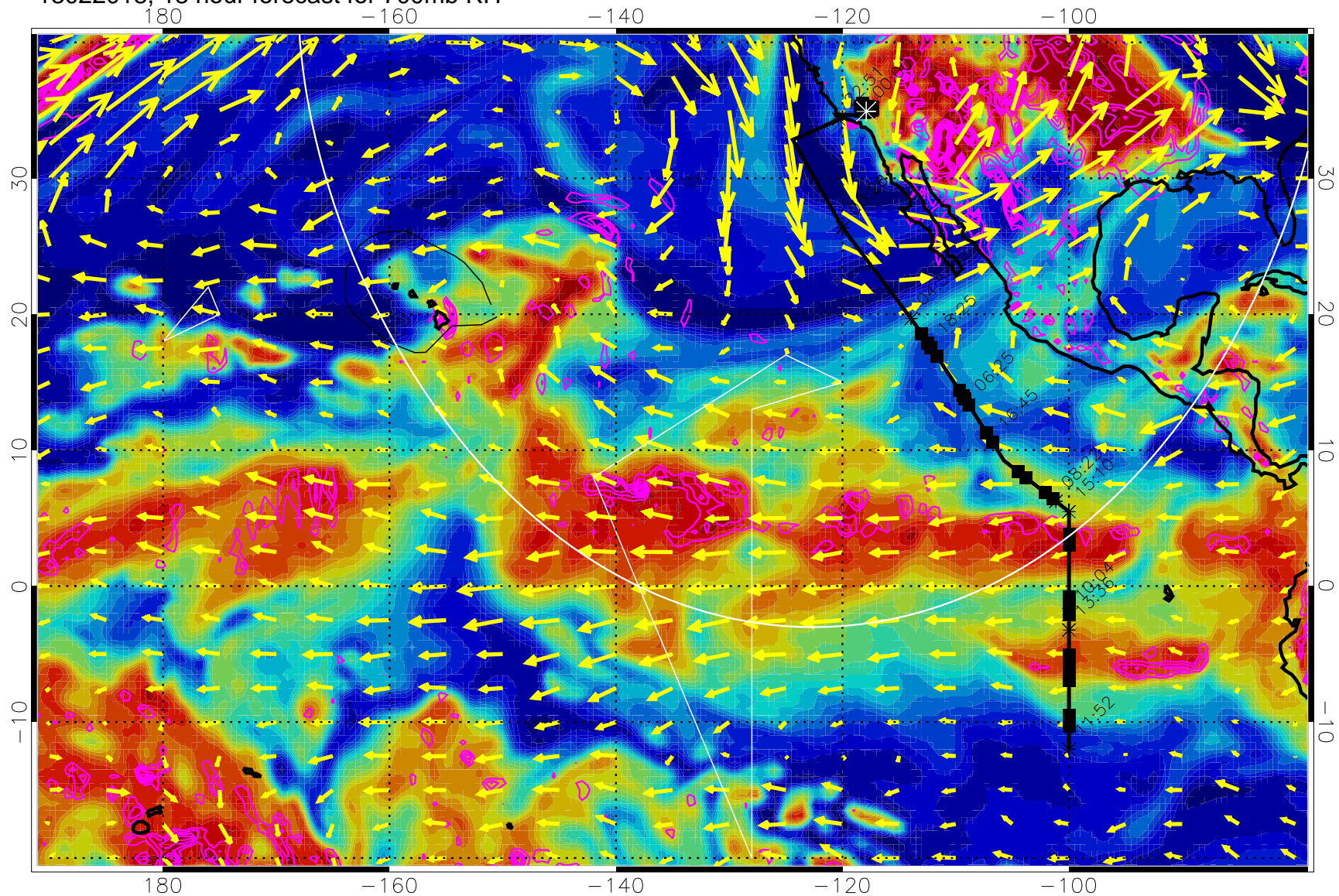
Negative Omegas less than  $-0.3$ , contours of  $.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022018, 18 hour forecast for 700mb RH



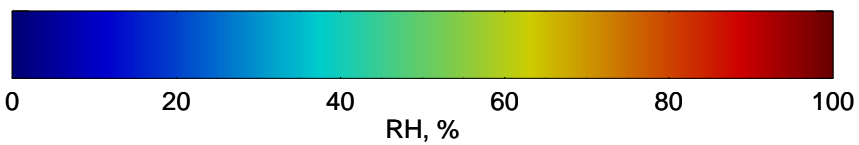
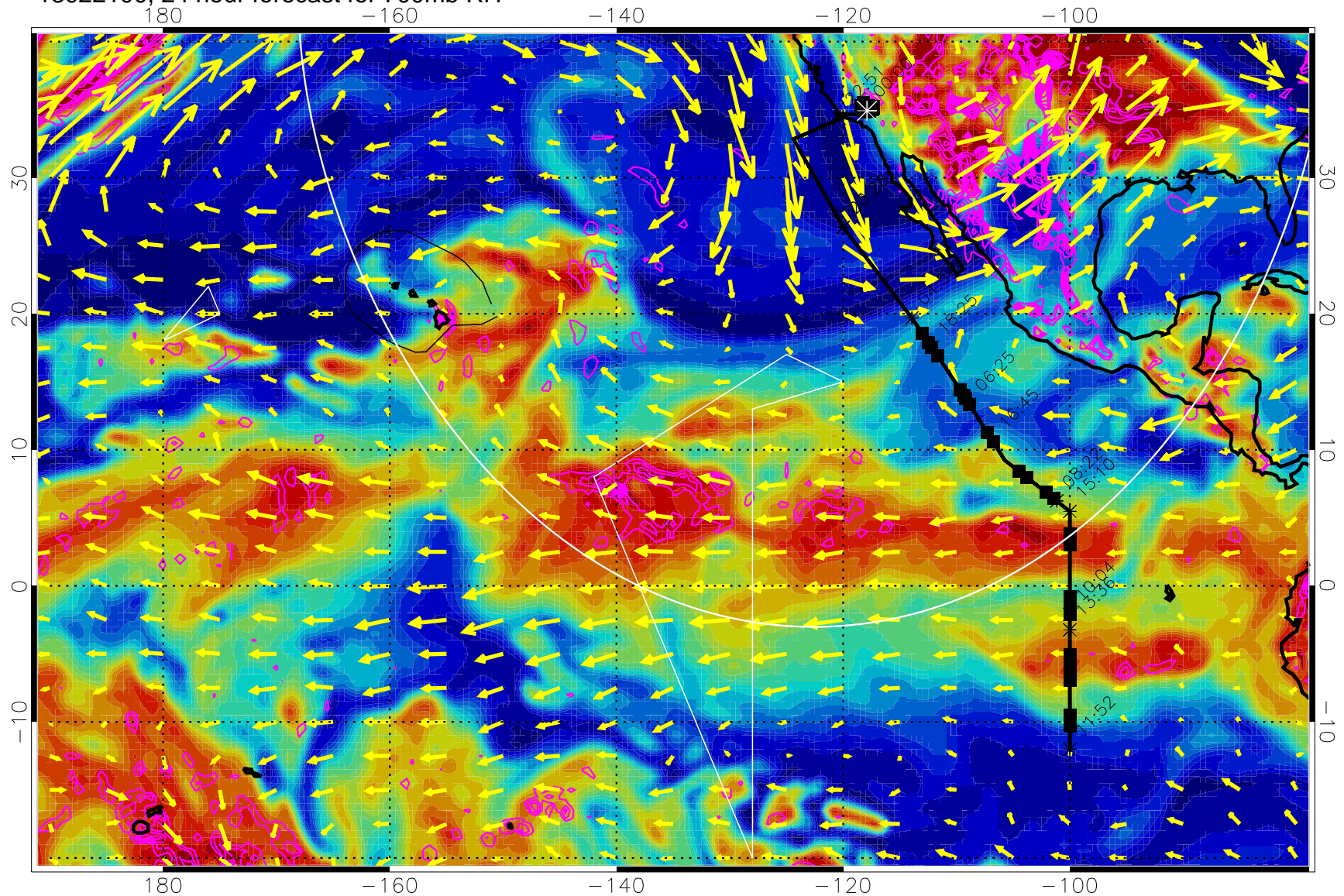
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022100, 24 hour forecast for 700mb RH



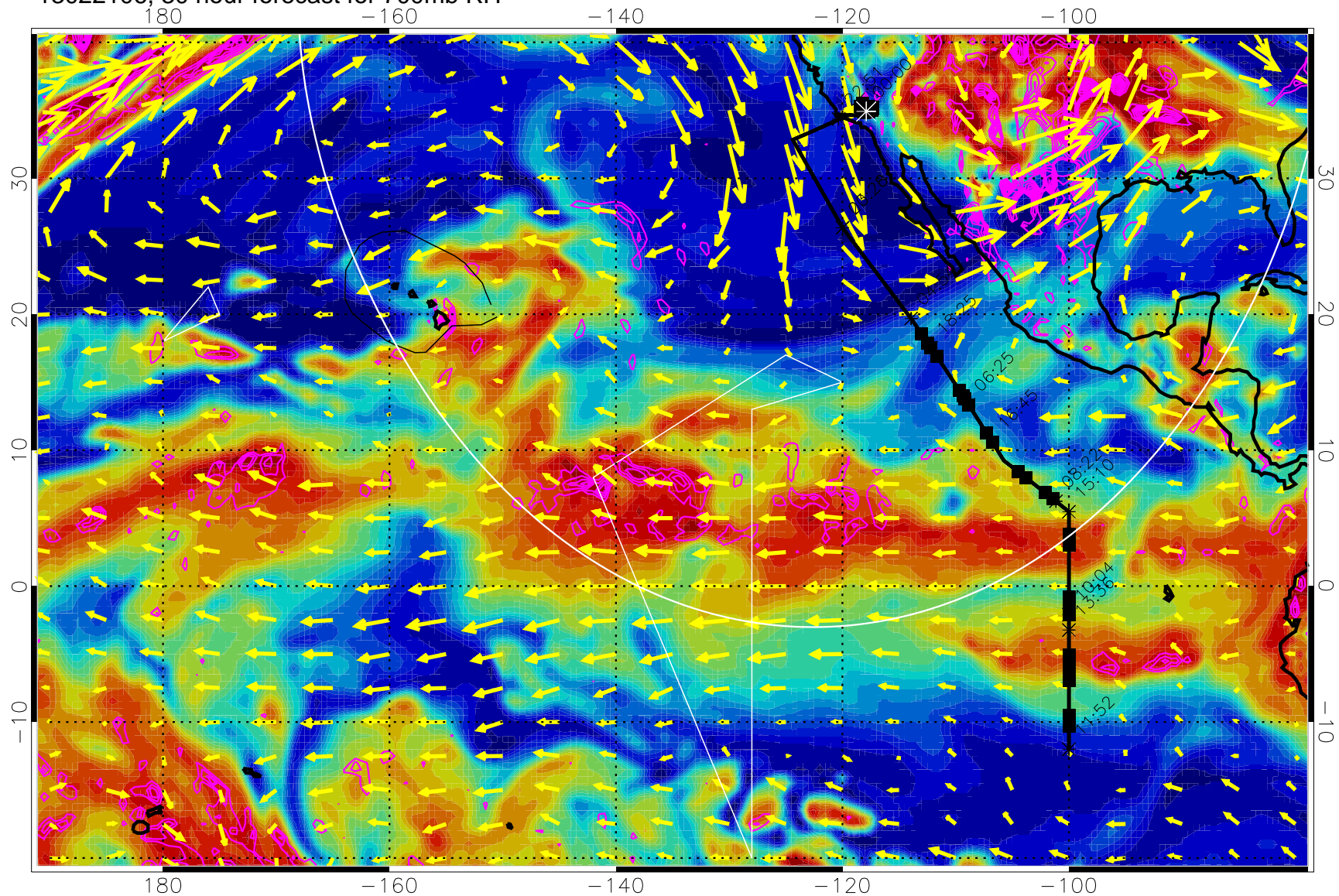
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022106, 30 hour forecast for 700mb RH



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

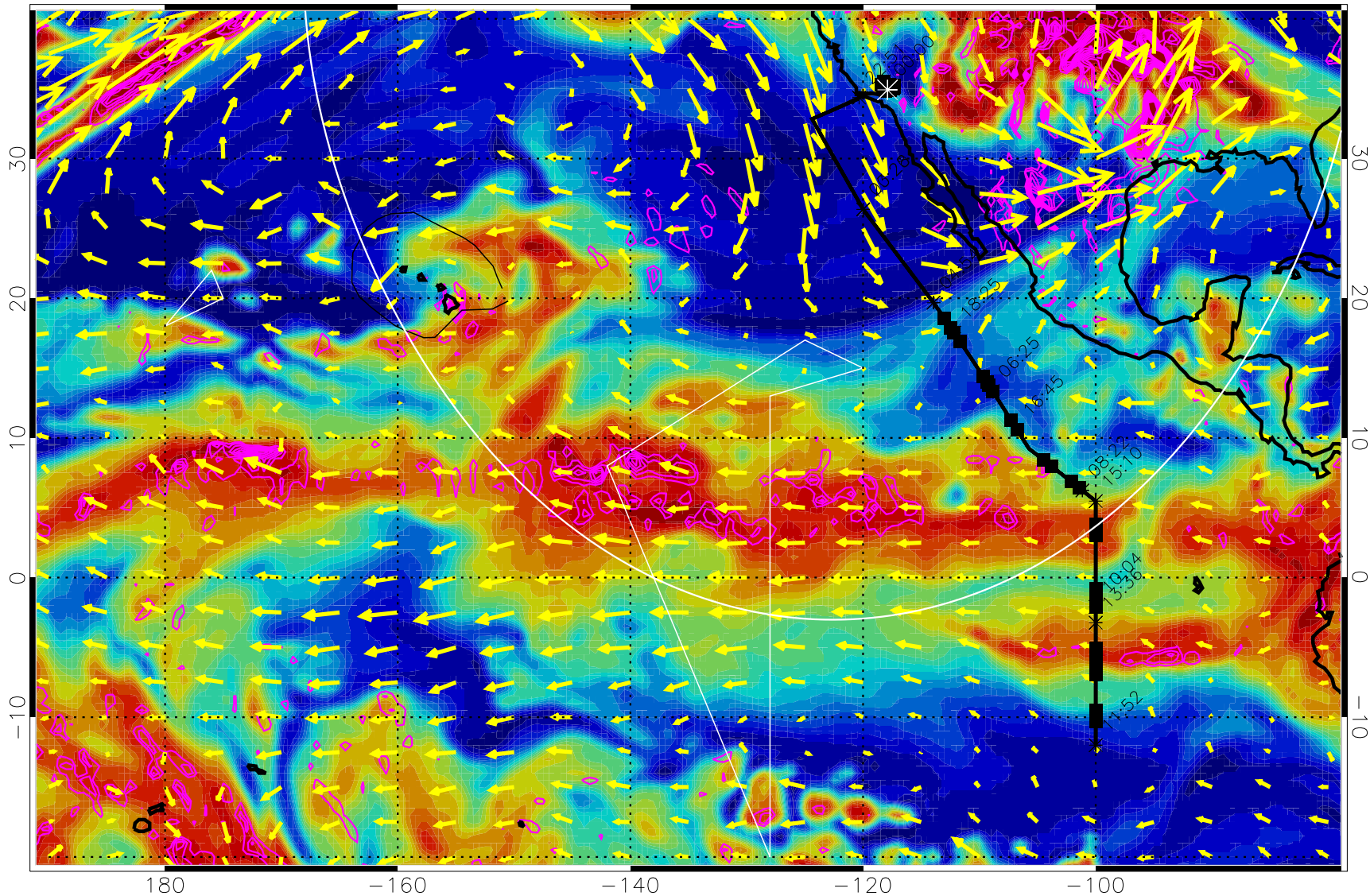
EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022112, 36 hour forecast for 700mb RH

180 -160 -140 -120 -100



0 20 40 60 80 100  
RH, %

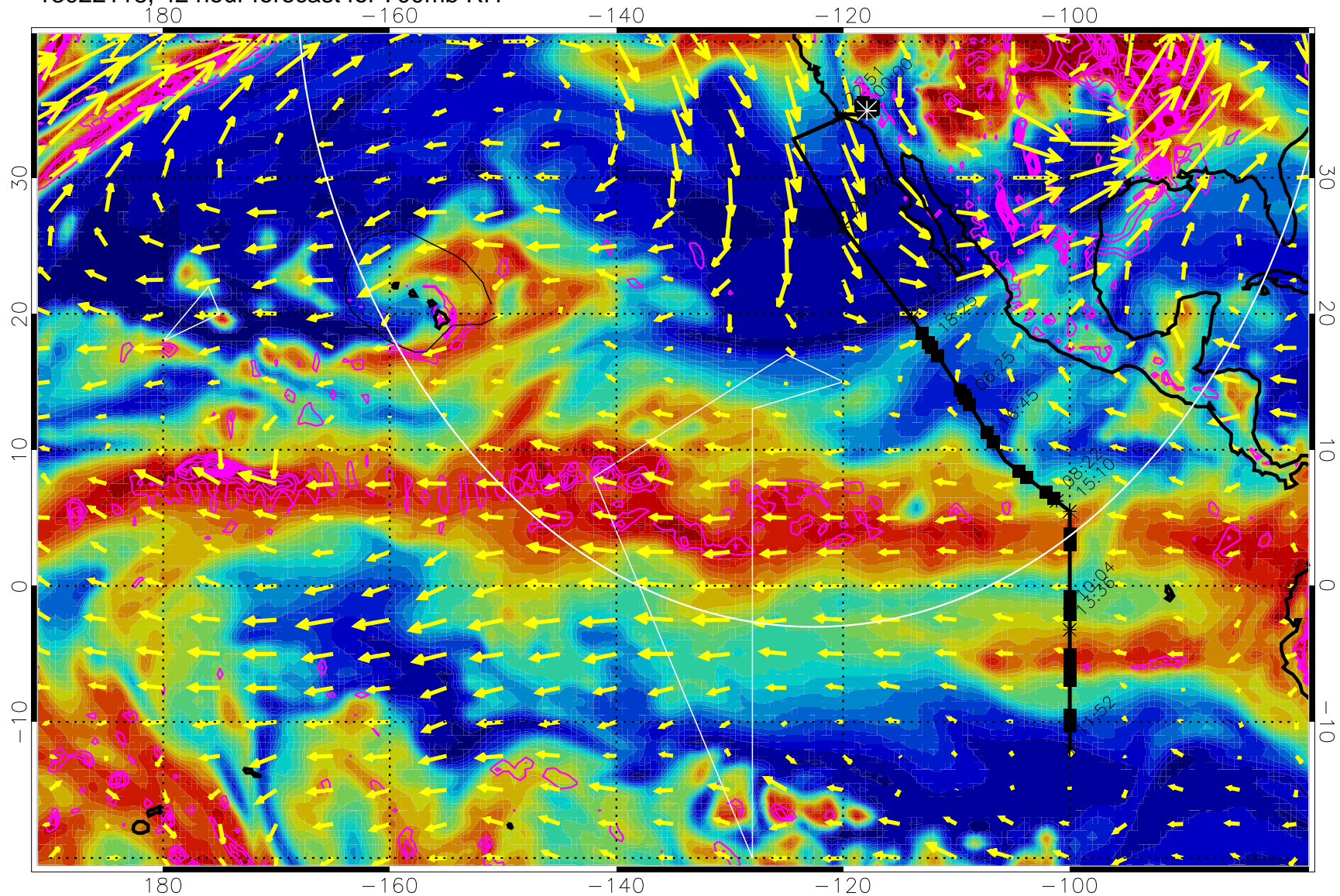
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022118, 42 hour forecast for 700mb RH



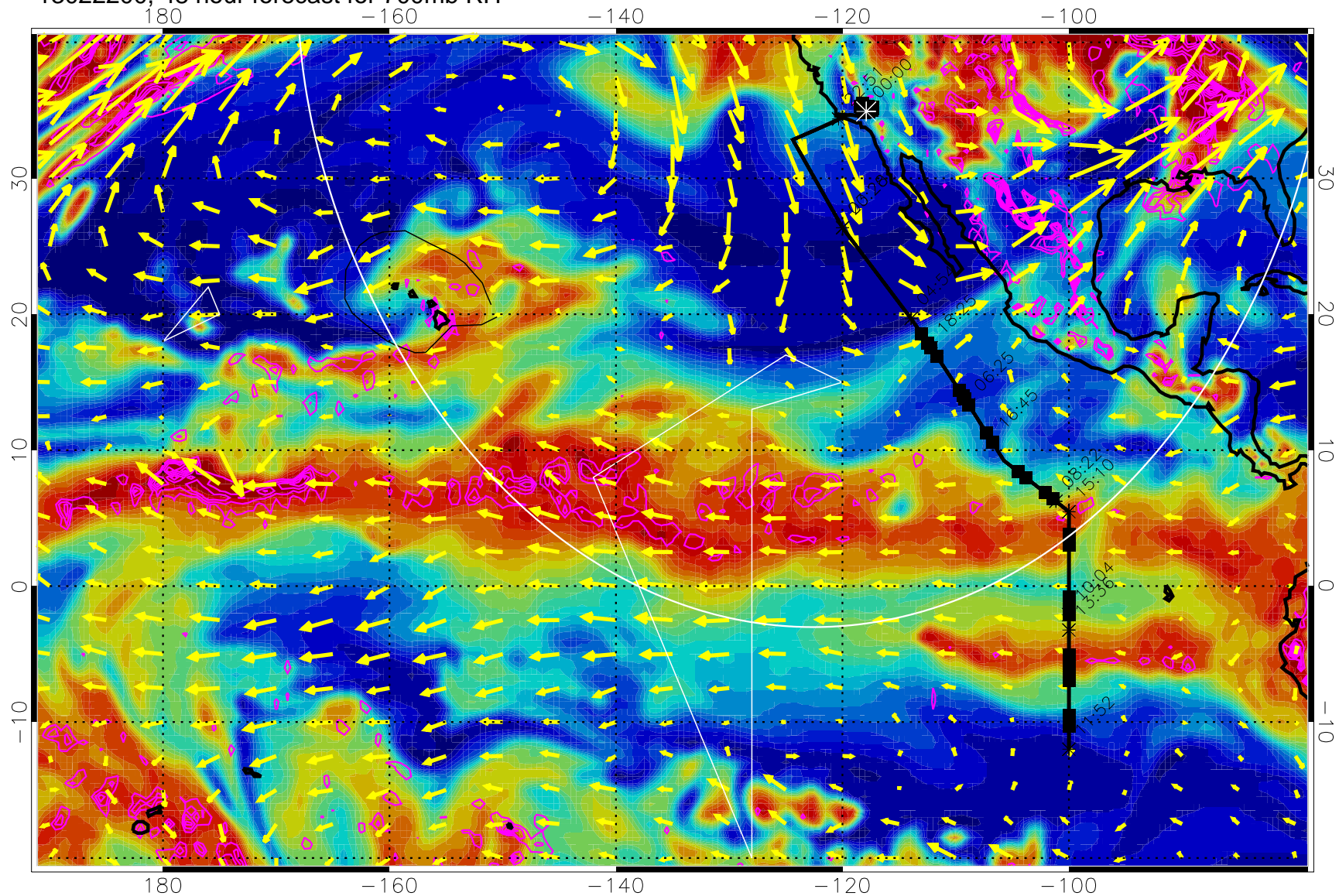
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022200, 48 hour forecast for 700mb RH



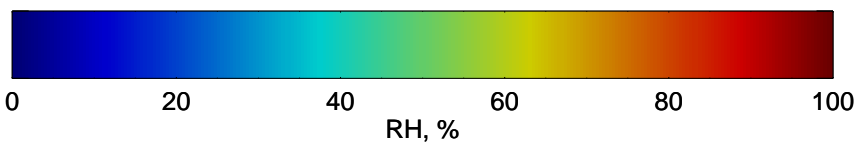
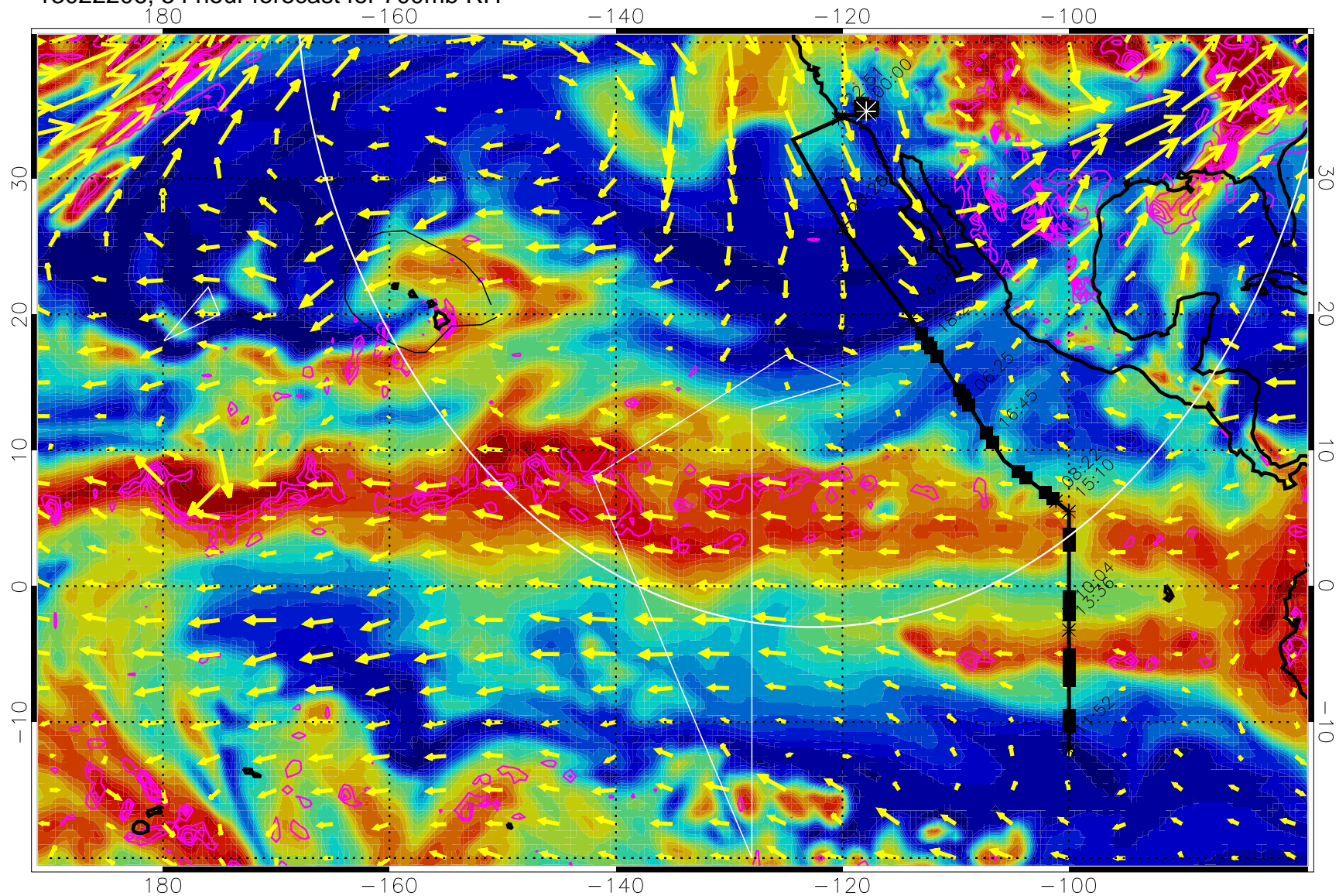
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022206, 54 hour forecast for 700mb RH



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

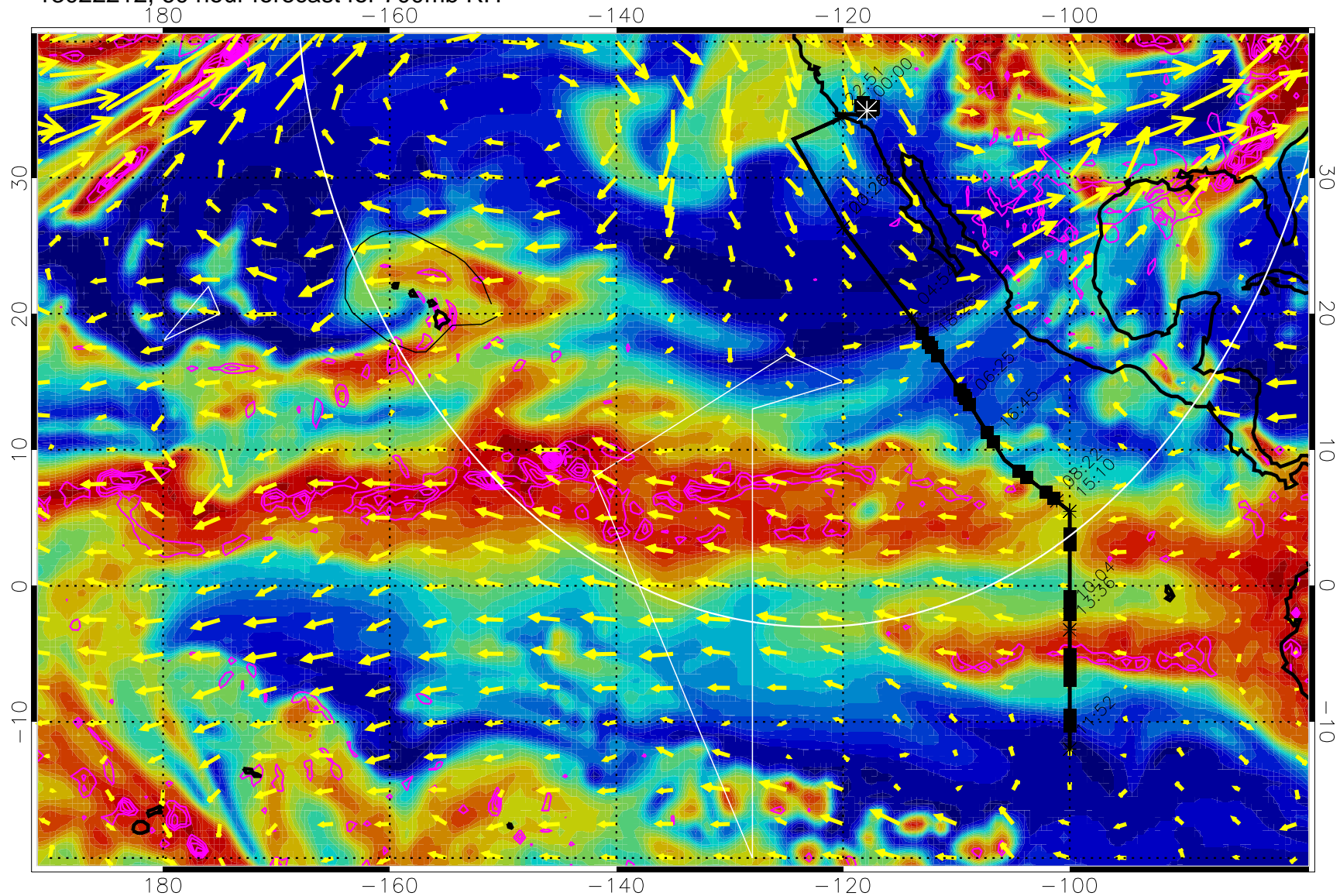
EPV Tropopause (2 PVU) Position

→ 30 m/s

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



13022212, 60 hour forecast for 700mb RH



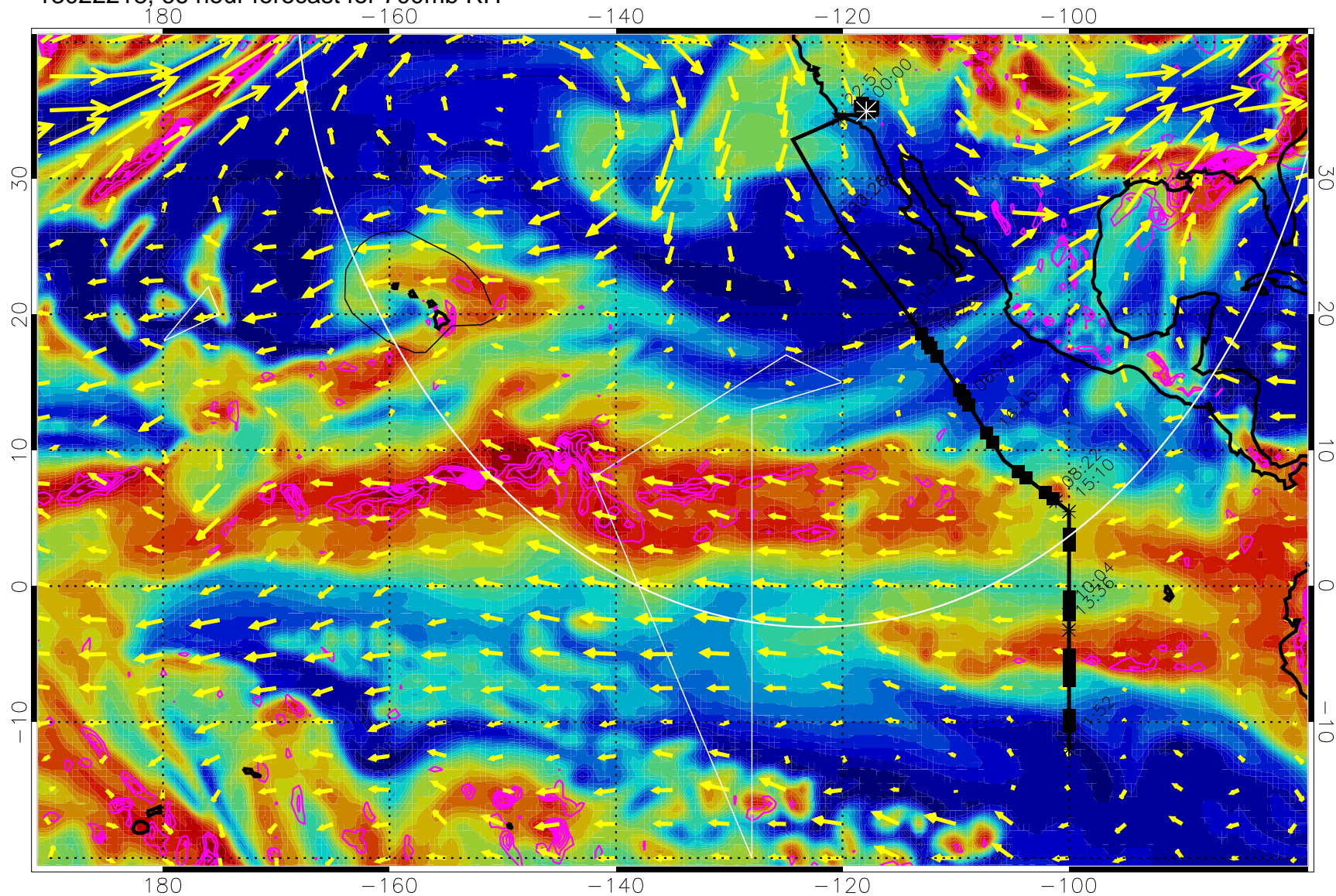
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022218, 66 hour forecast for 700mb RH



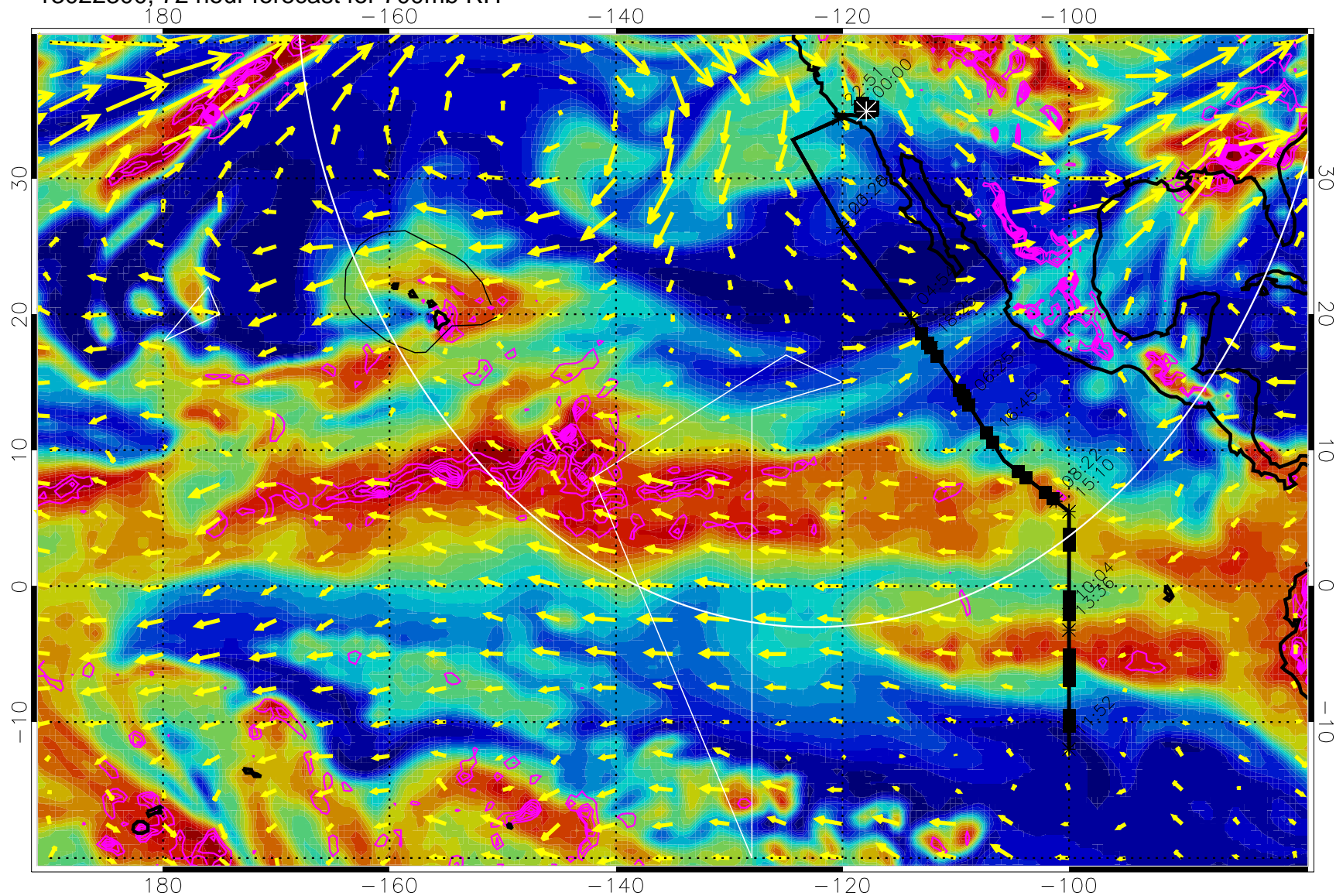
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022300, 72 hour forecast for 700mb RH



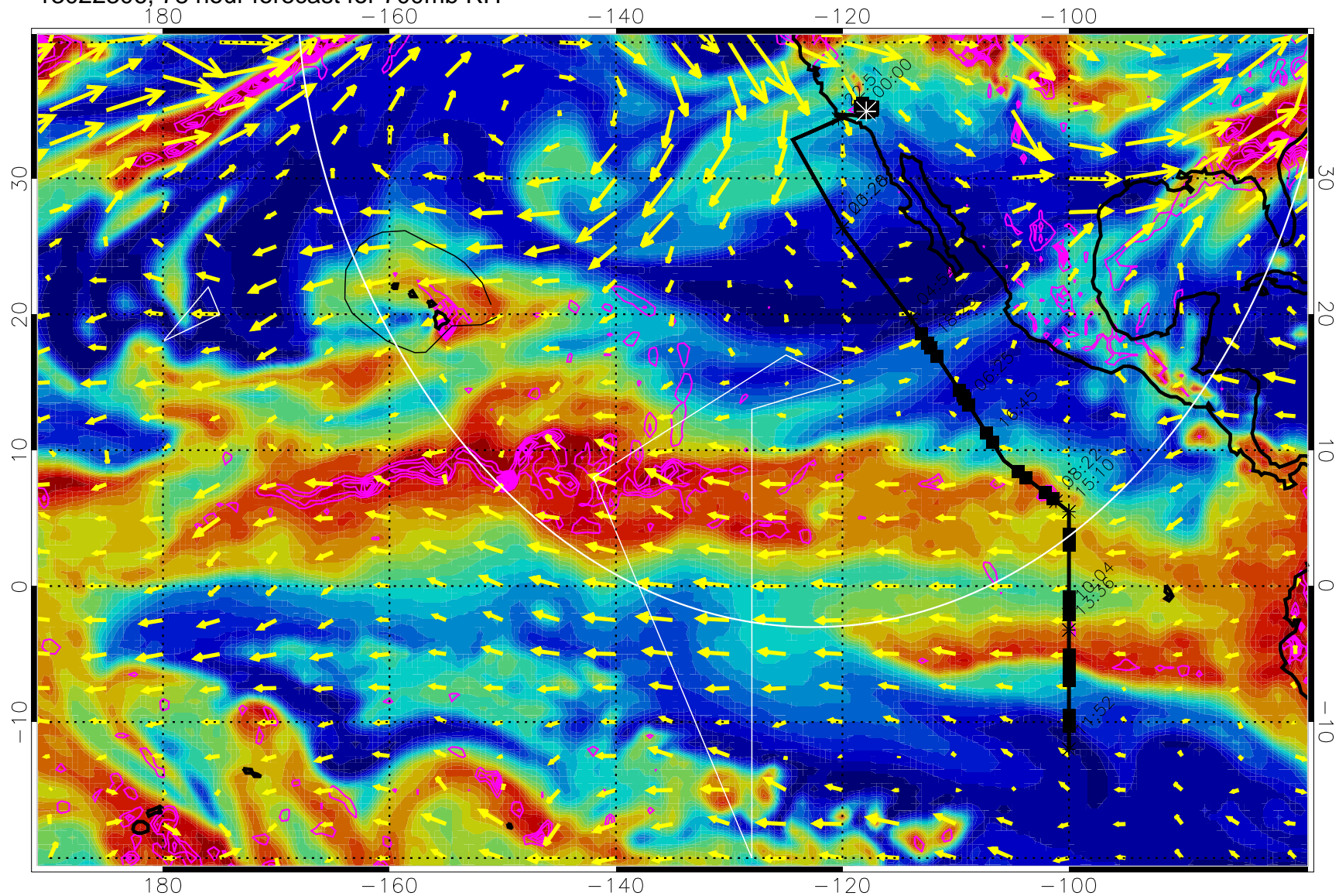
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022306, 78 hour forecast for 700mb RH



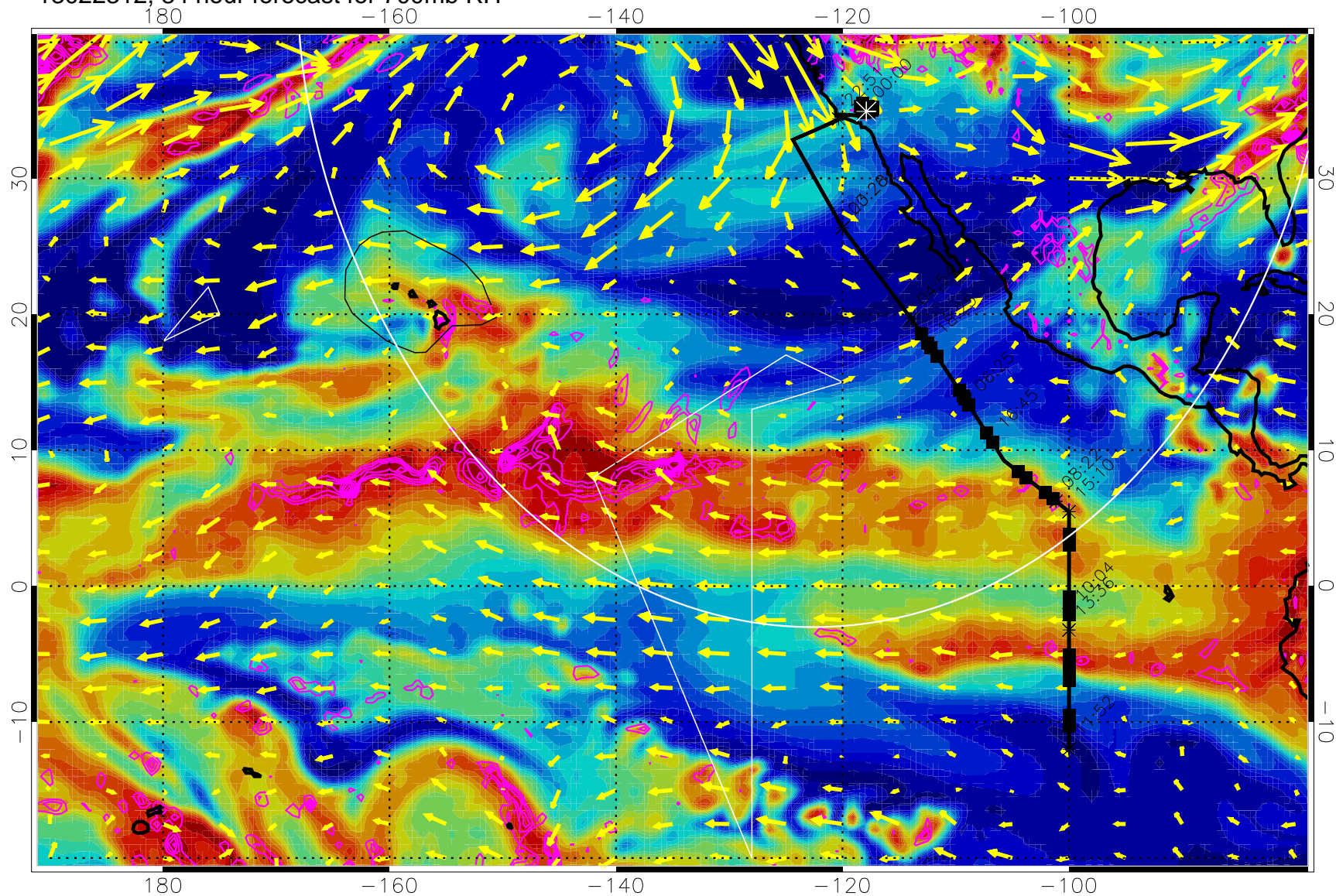
Negative Omegas less than -.3, contours of .3 Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022312, 84 hour forecast for 700mb RH



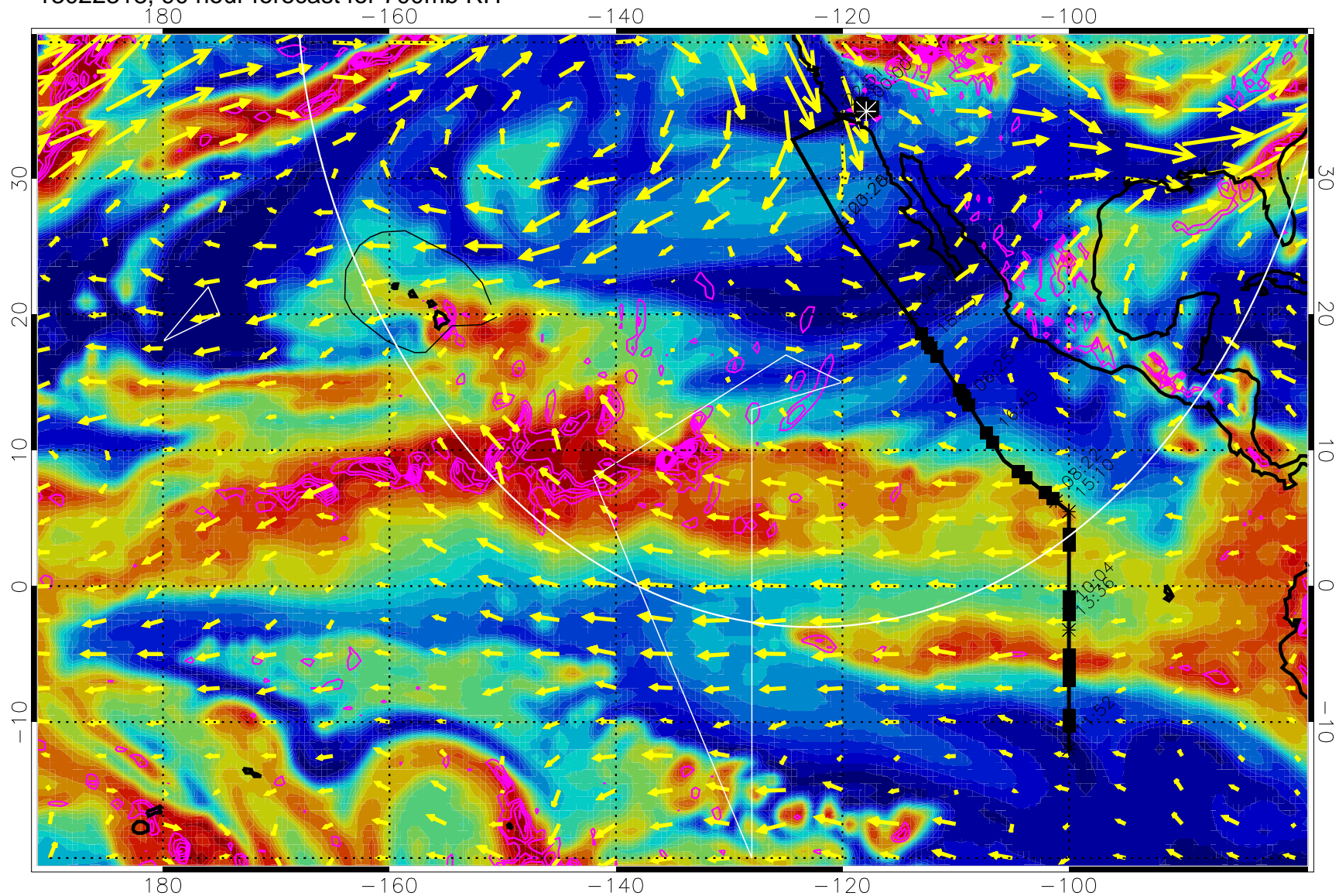
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022318, 90 hour forecast for 700mb RH



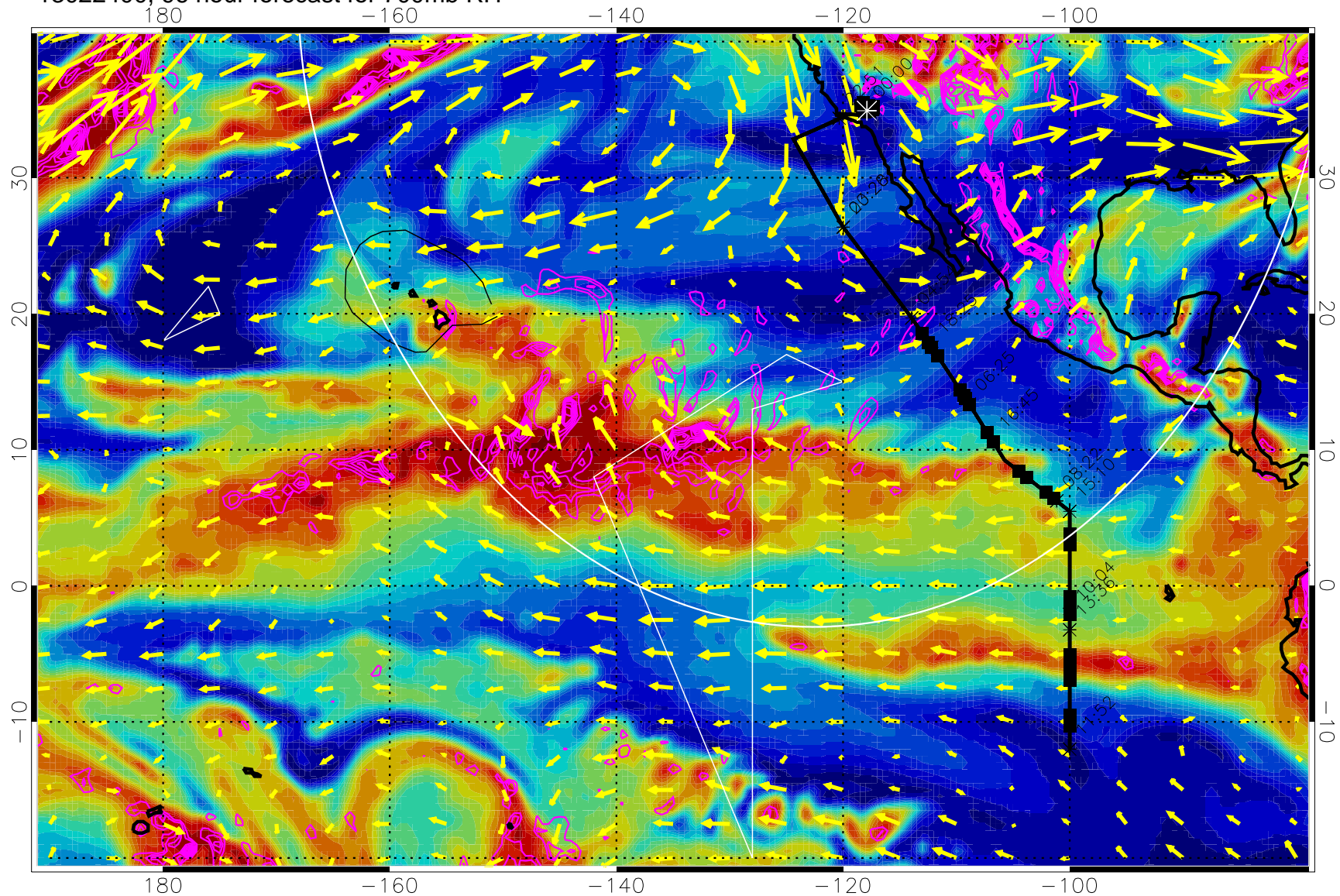
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022400, 96 hour forecast for 700mb RH



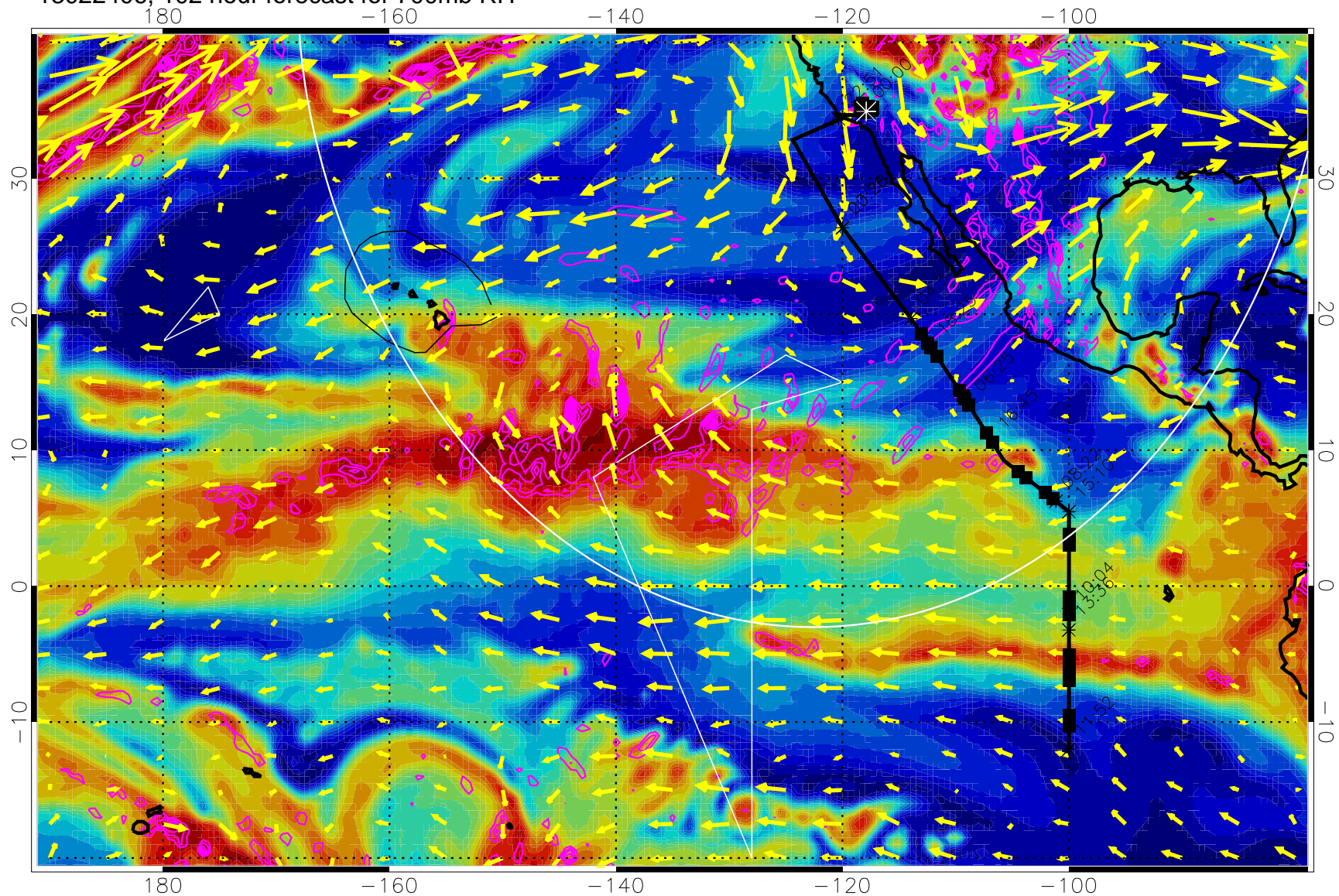
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022406, 102 hour forecast for 700mb RH



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

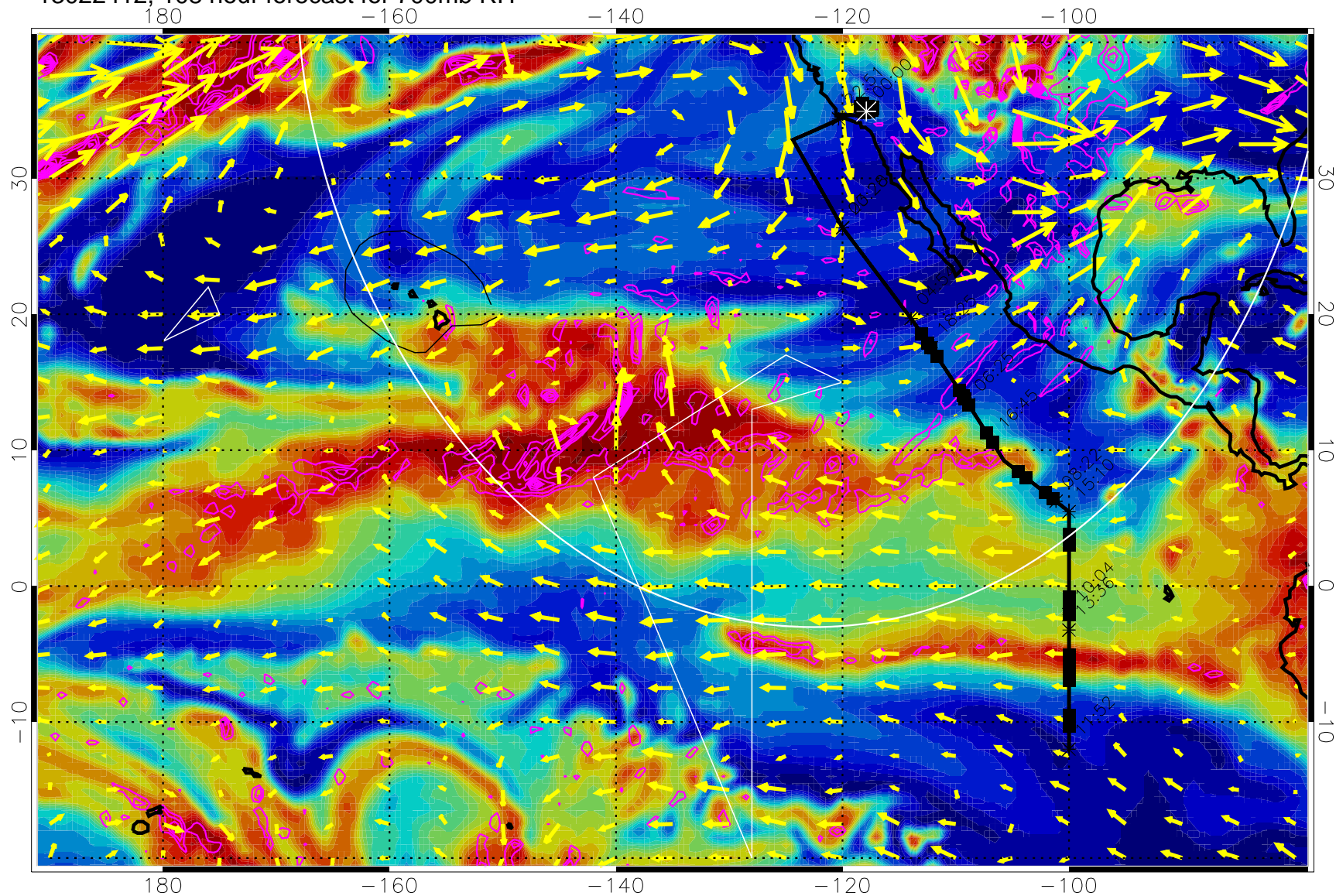
EPV Tropopause (2 PVU) Position

→ 30 m/s

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



13022412, 108 hour forecast for 700mb RH



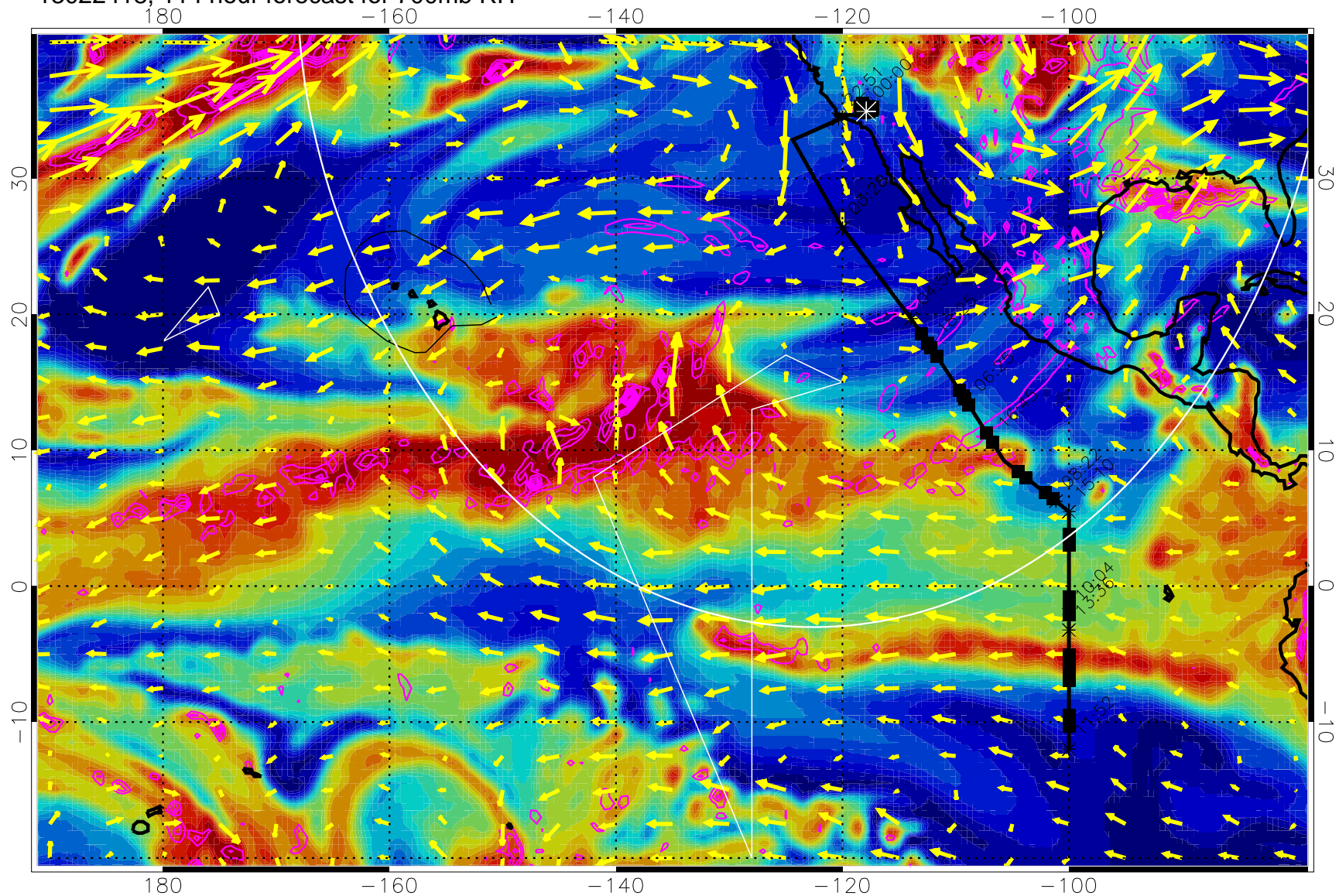
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022418, 114 hour forecast for 700mb RH



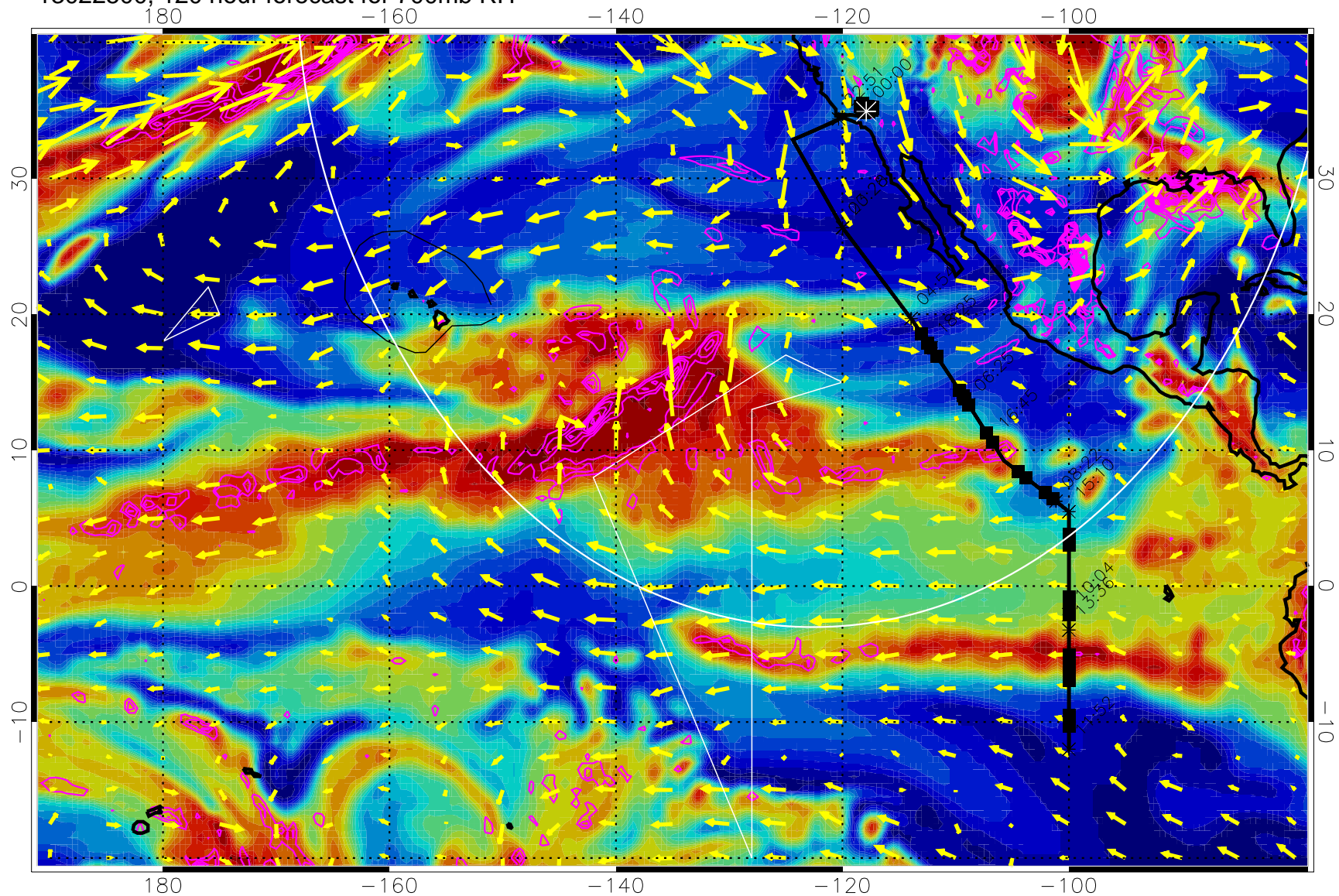
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13022500, 120 hour forecast for 700mb RH



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

EPV Tropopause (2 PVU) Position

→ 30 m/s

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