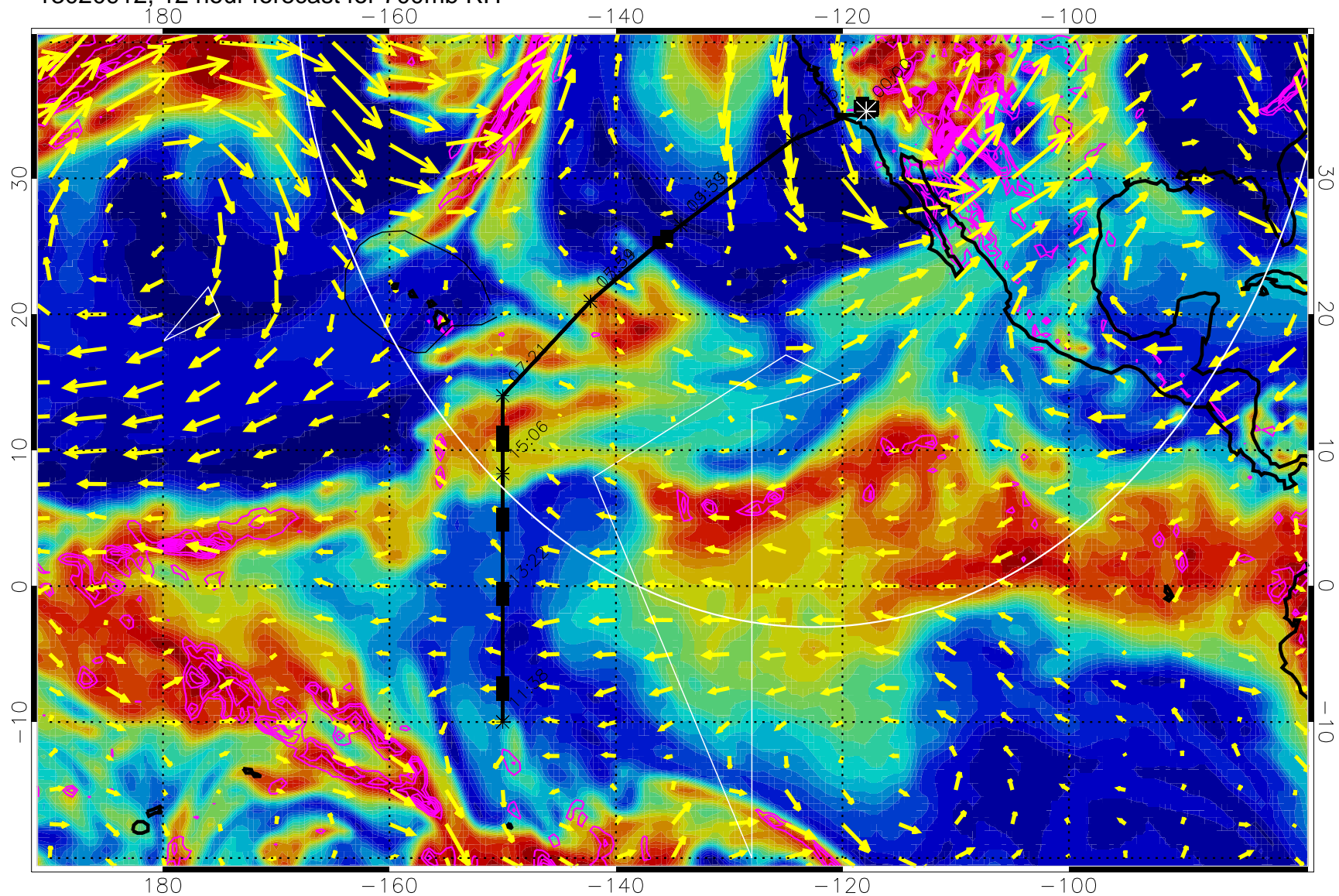


13020912, 12 hour forecast for 700mb RH



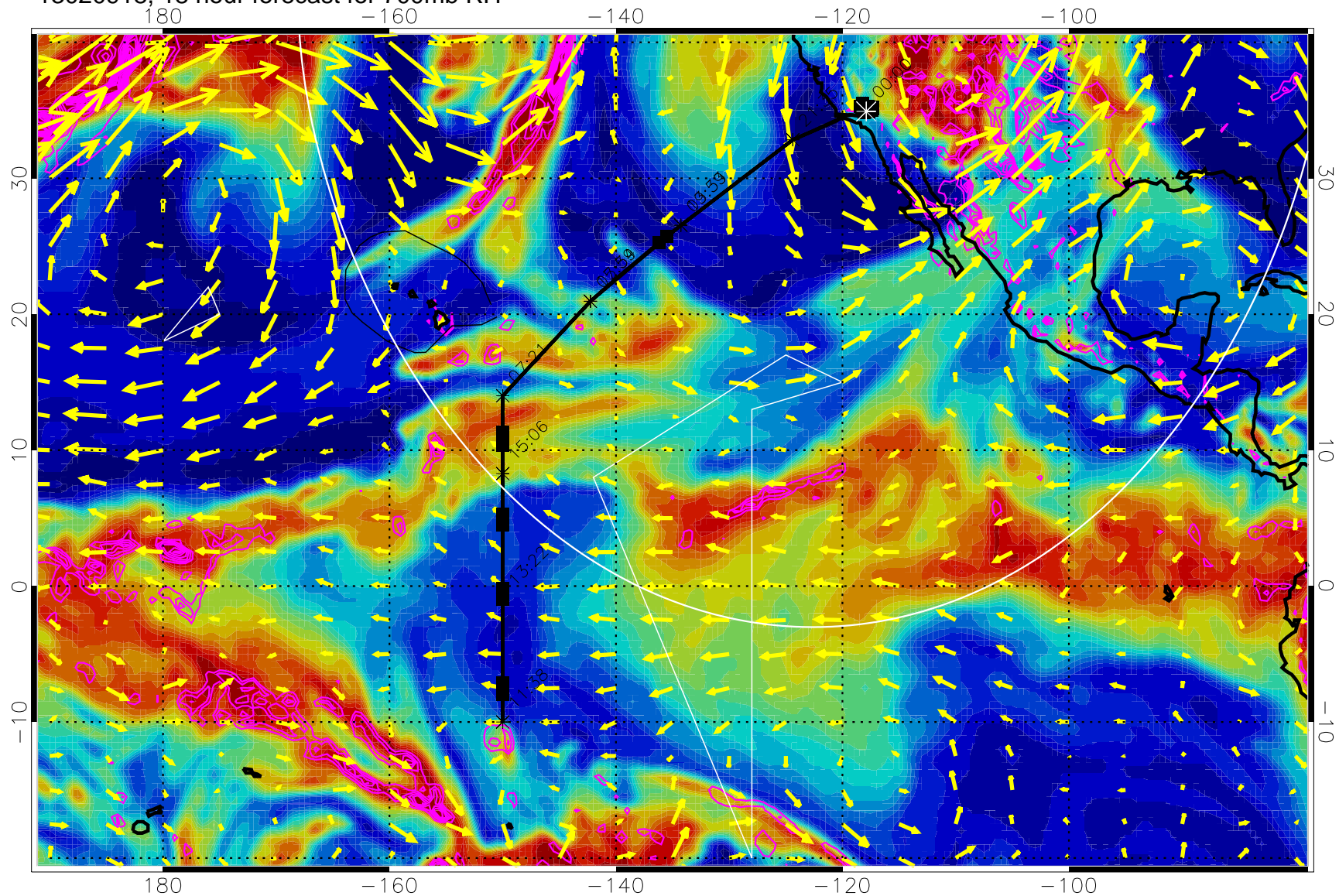
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13020918, 18 hour forecast for 700mb RH



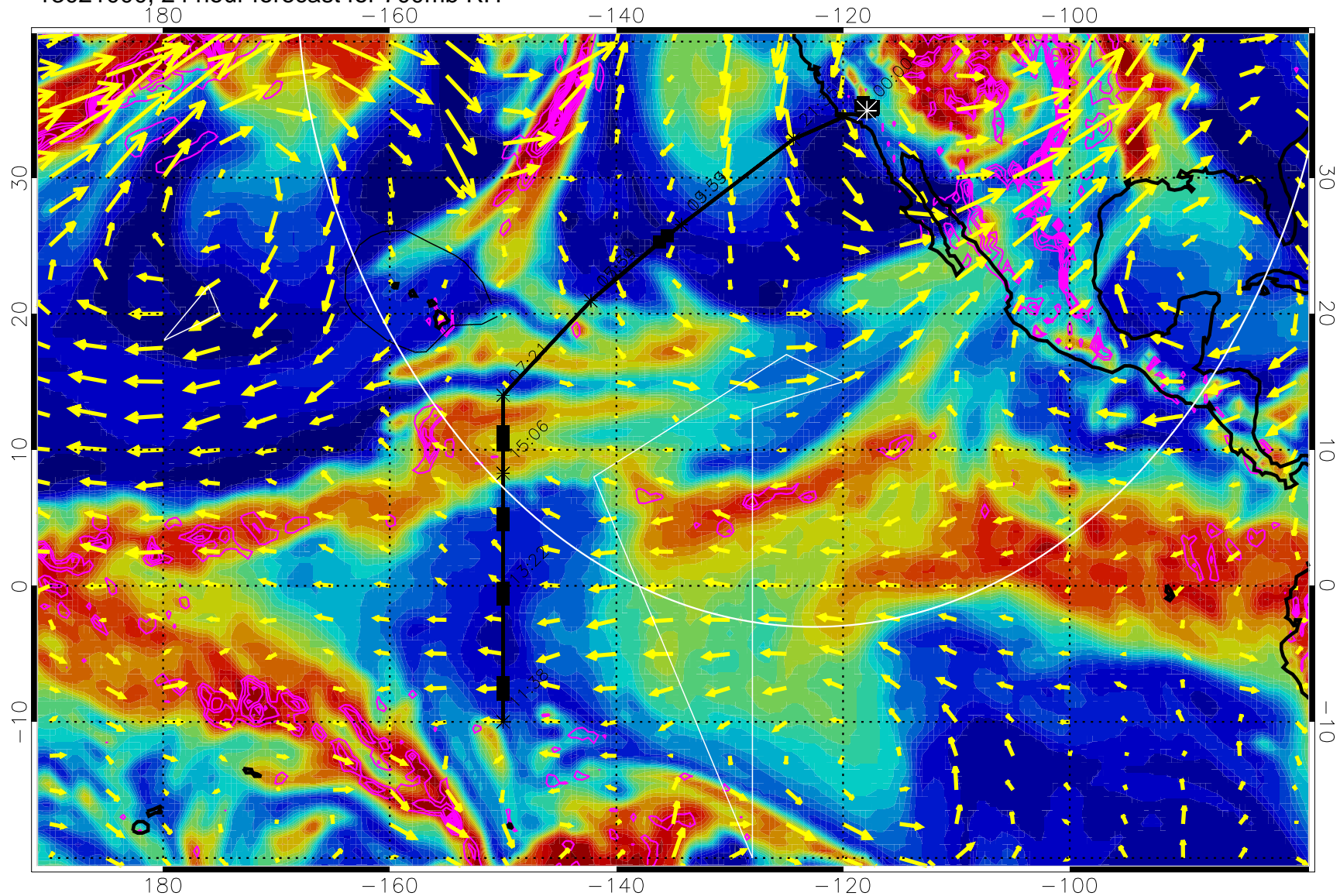
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13021000, 24 hour forecast for 700mb RH



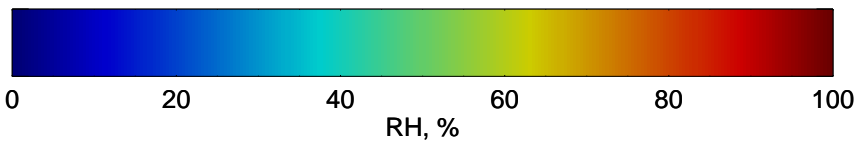
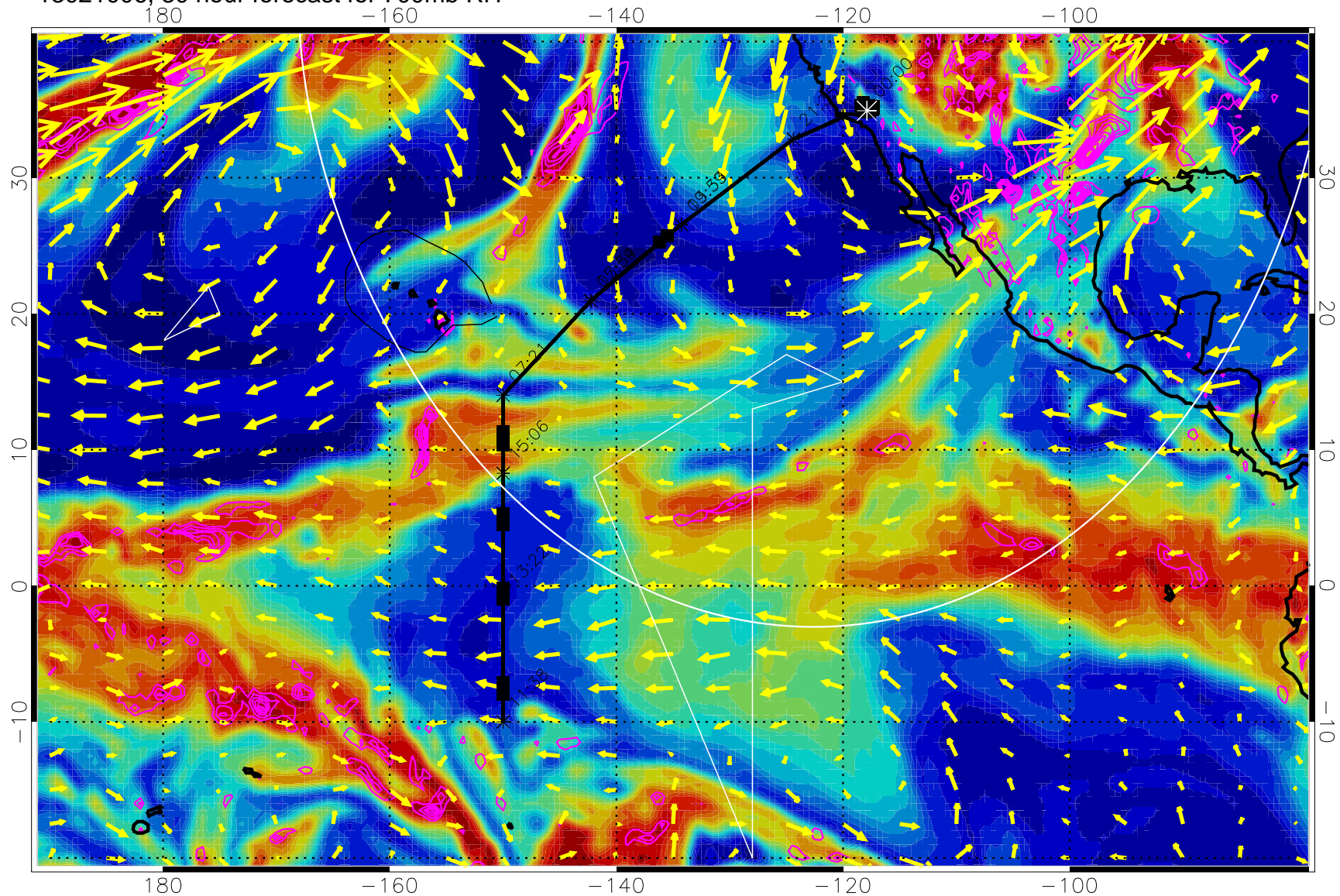
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause ( $2$  PVU) Position

→ 30 m/s

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

13021006, 30 hour forecast for 700mb RH



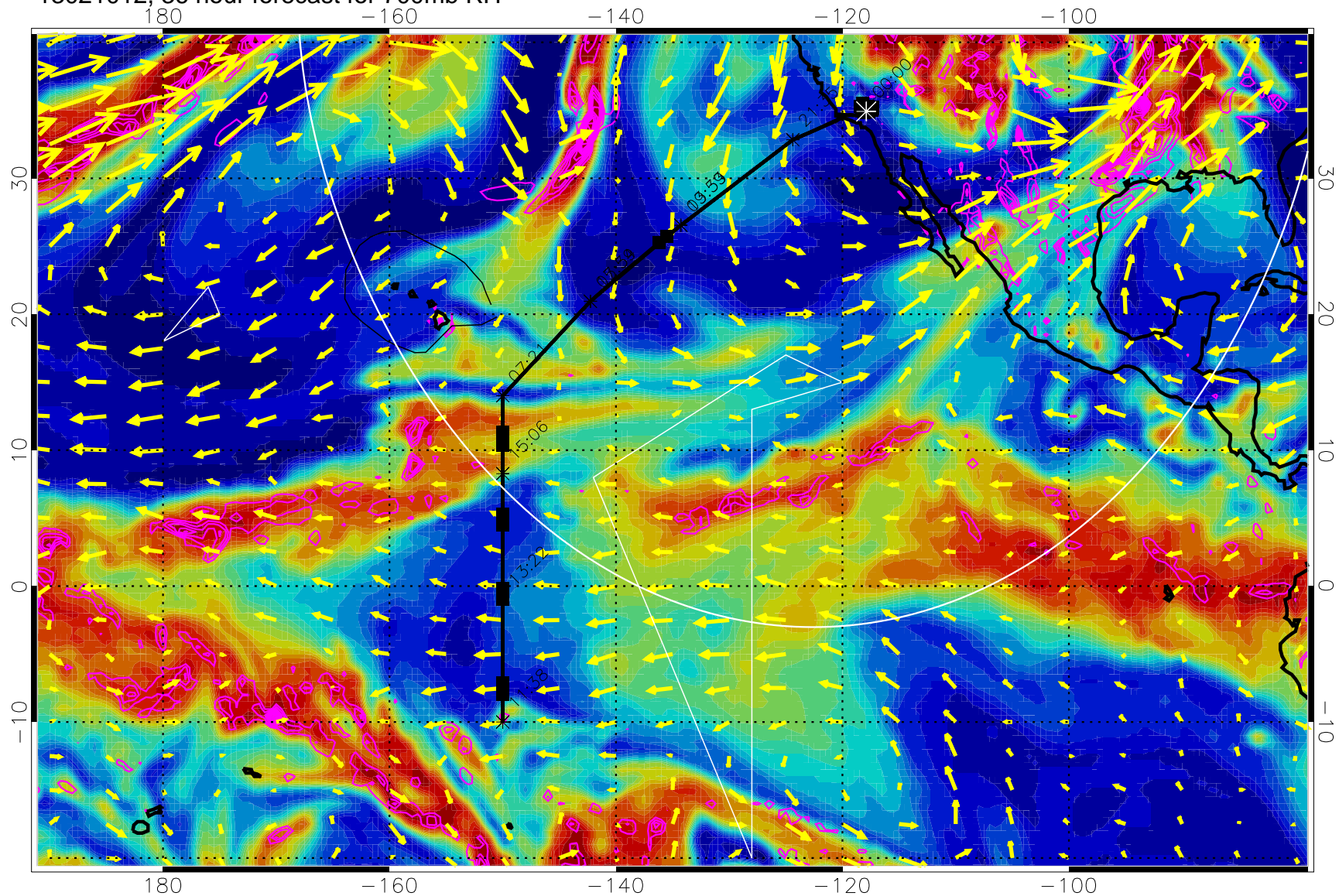
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13021012, 36 hour forecast for 700mb RH



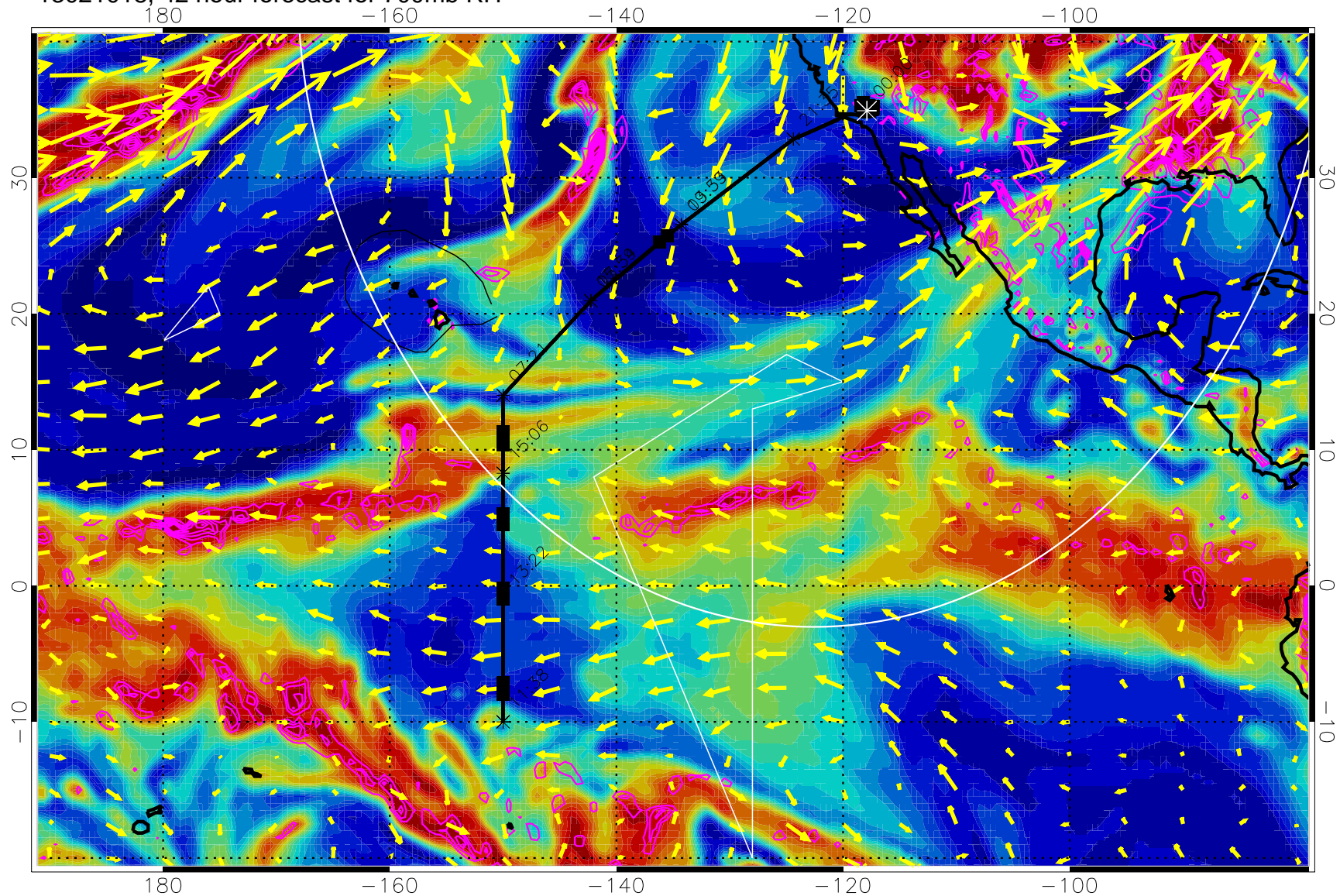
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13021018, 42 hour forecast for 700mb RH



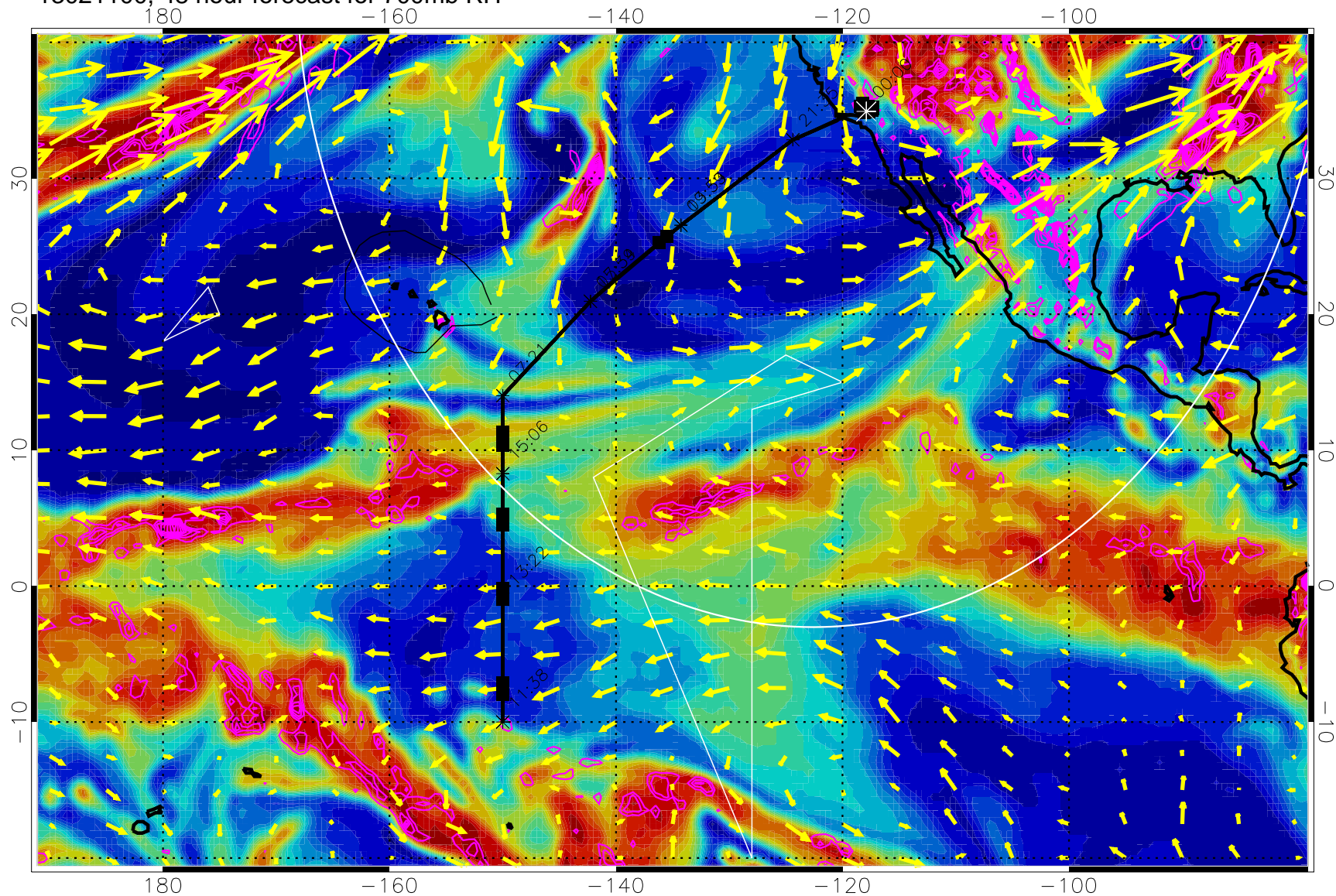
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13021100, 48 hour forecast for 700mb RH



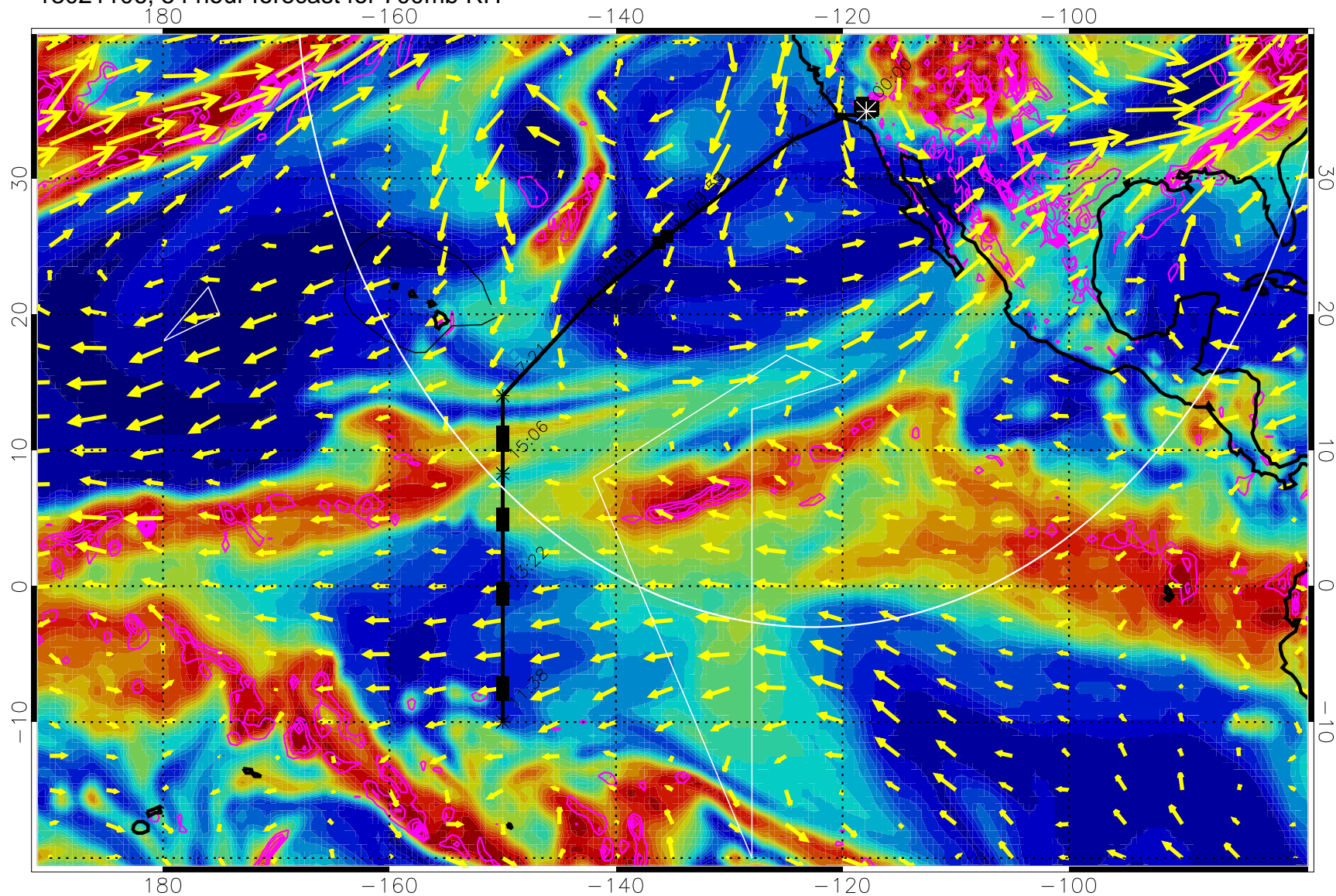
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13021106, 54 hour forecast for 700mb RH



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

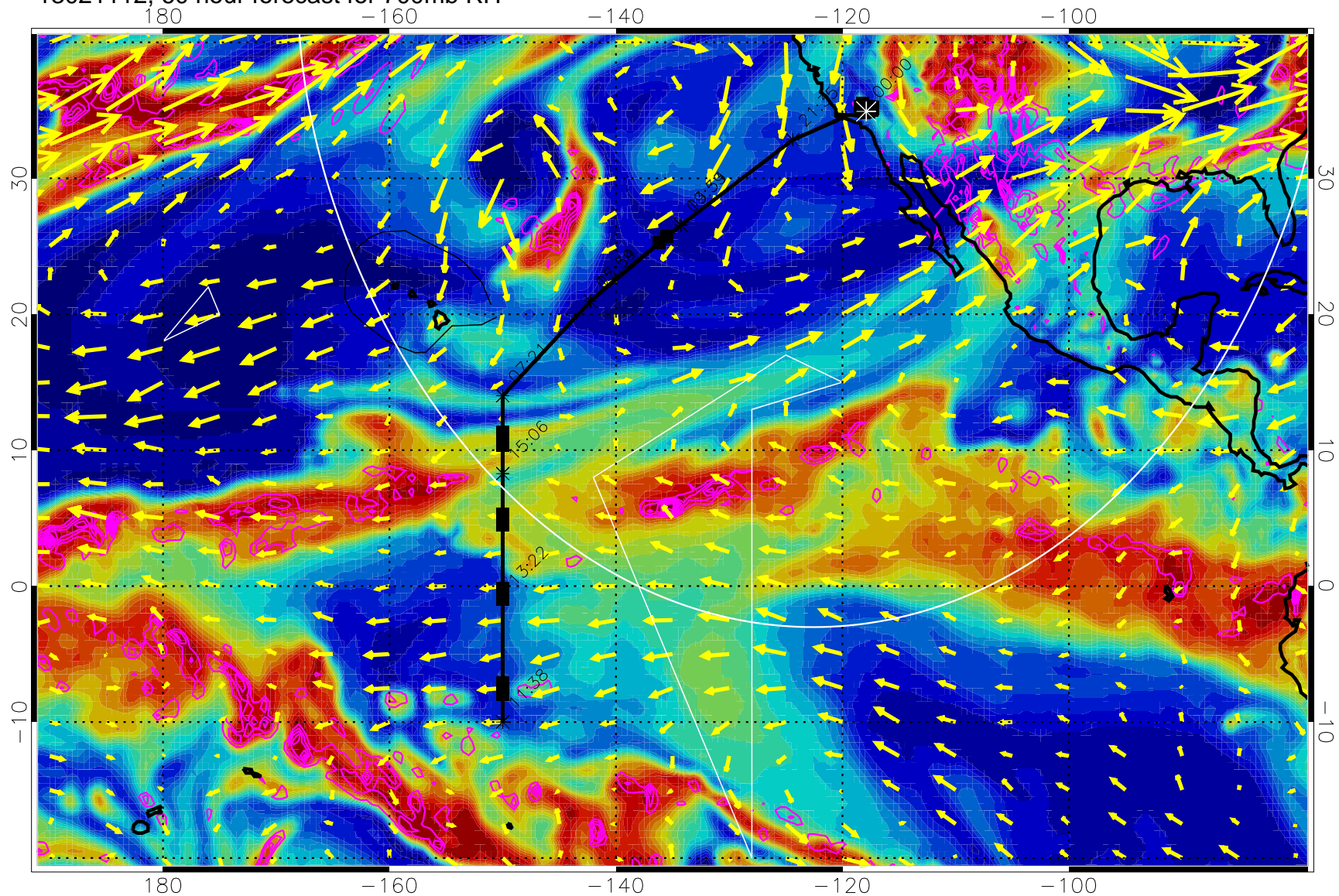
EPV Tropopause ( $2$  PVU) Position

→ 30 m/s

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



13021112, 60 hour forecast for 700mb RH



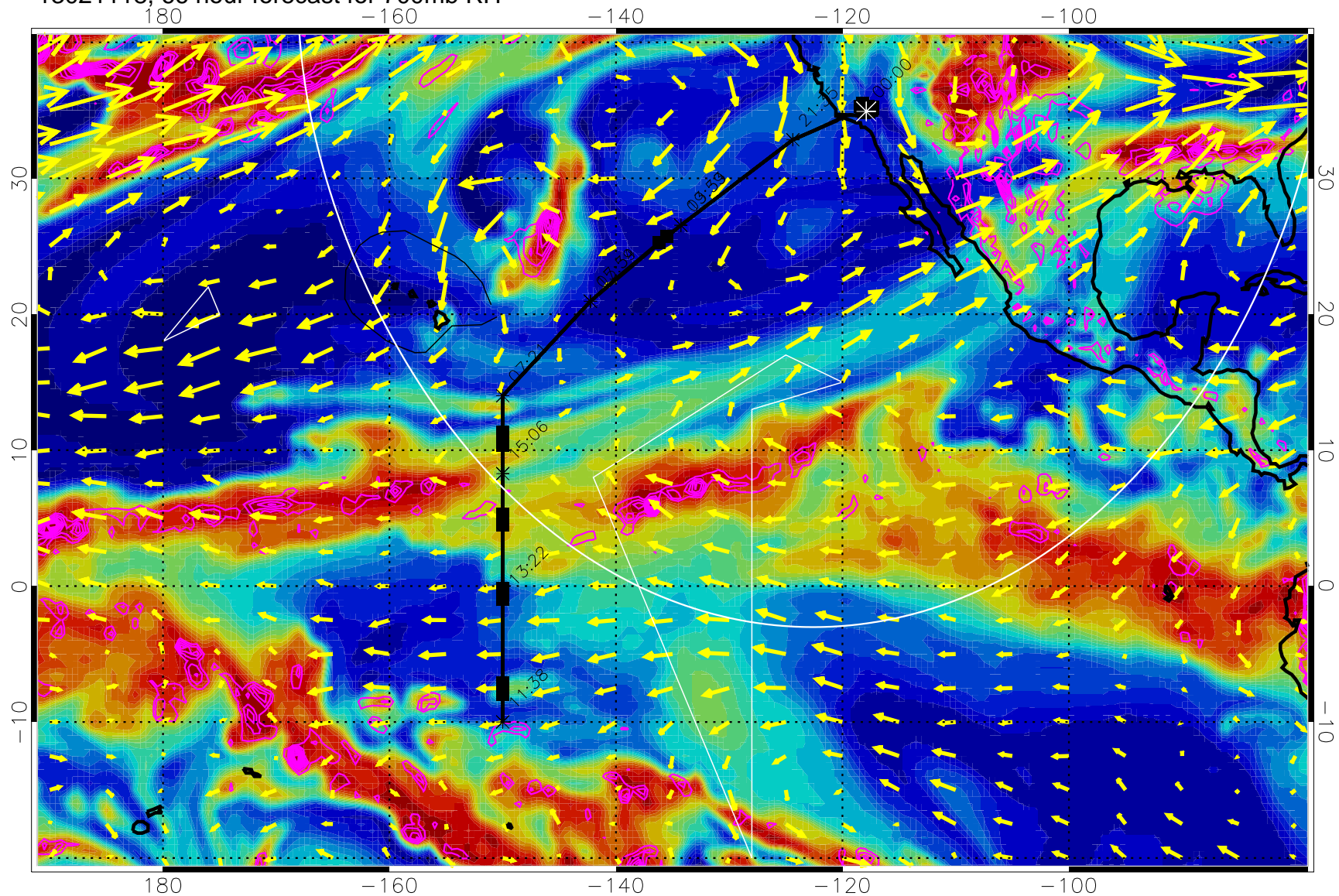
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13021118, 66 hour forecast for 700mb RH



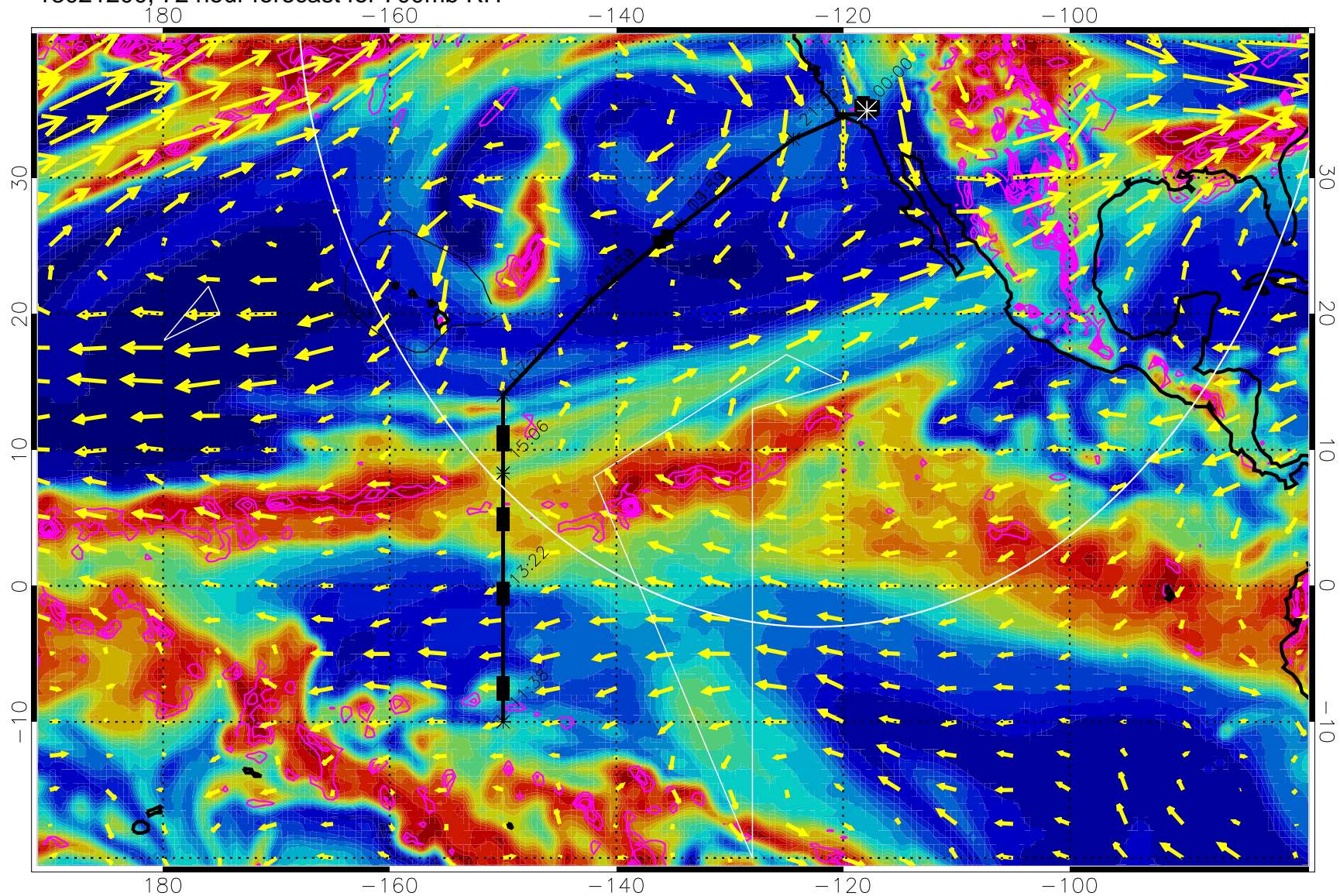
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13021200, 72 hour forecast for 700mb RH



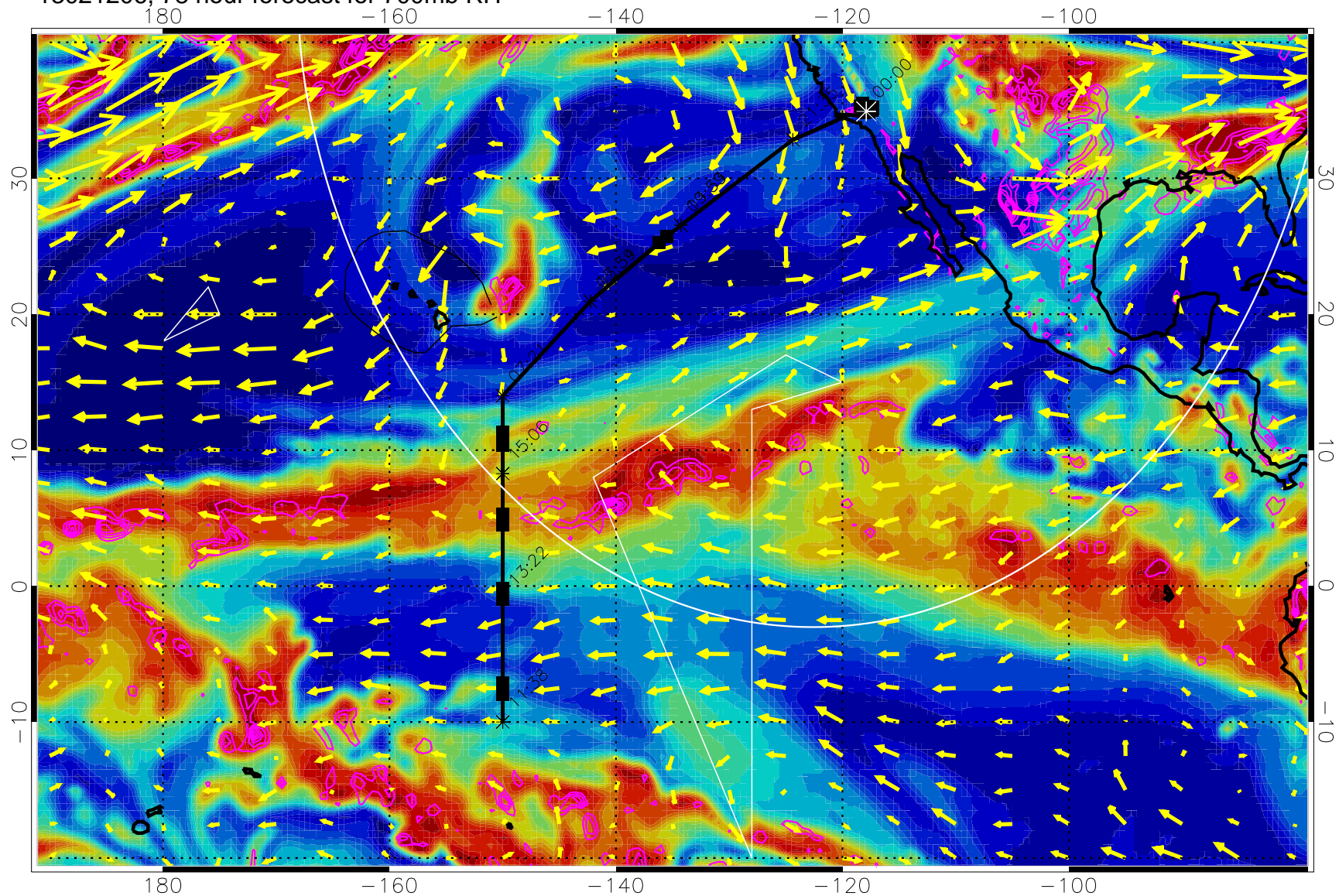
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13021206, 78 hour forecast for 700mb RH



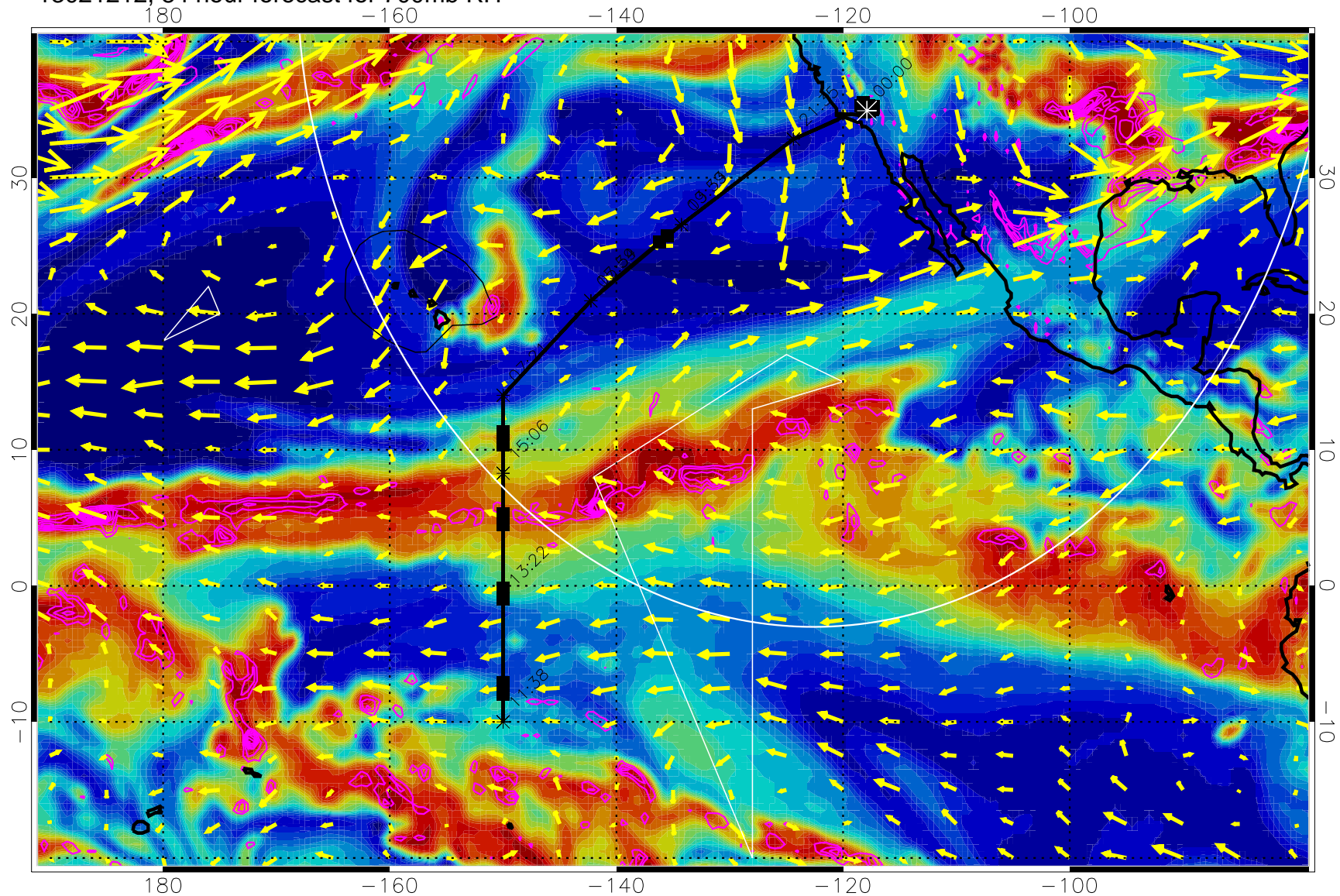
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13021212, 84 hour forecast for 700mb RH



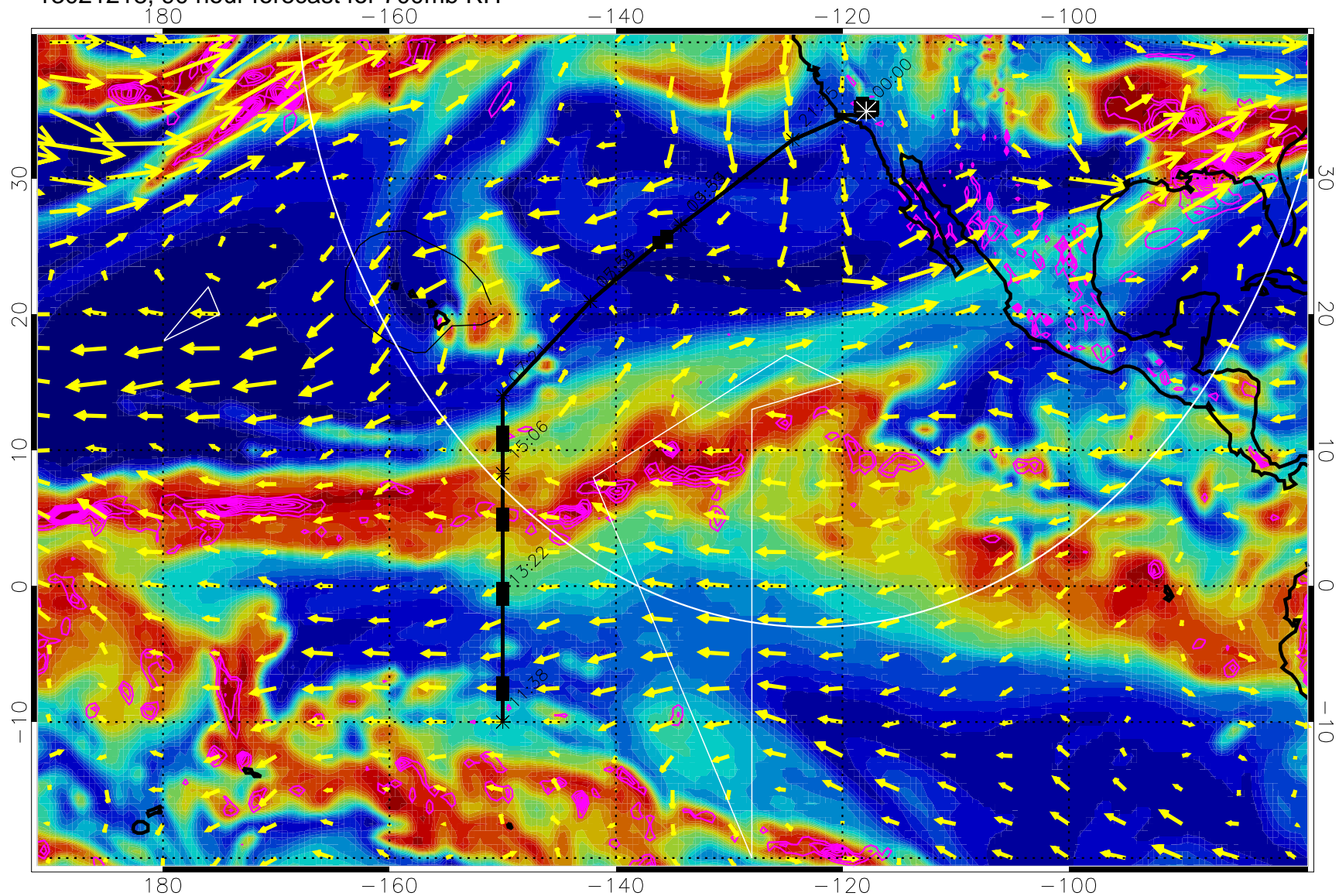
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13021218, 90 hour forecast for 700mb RH



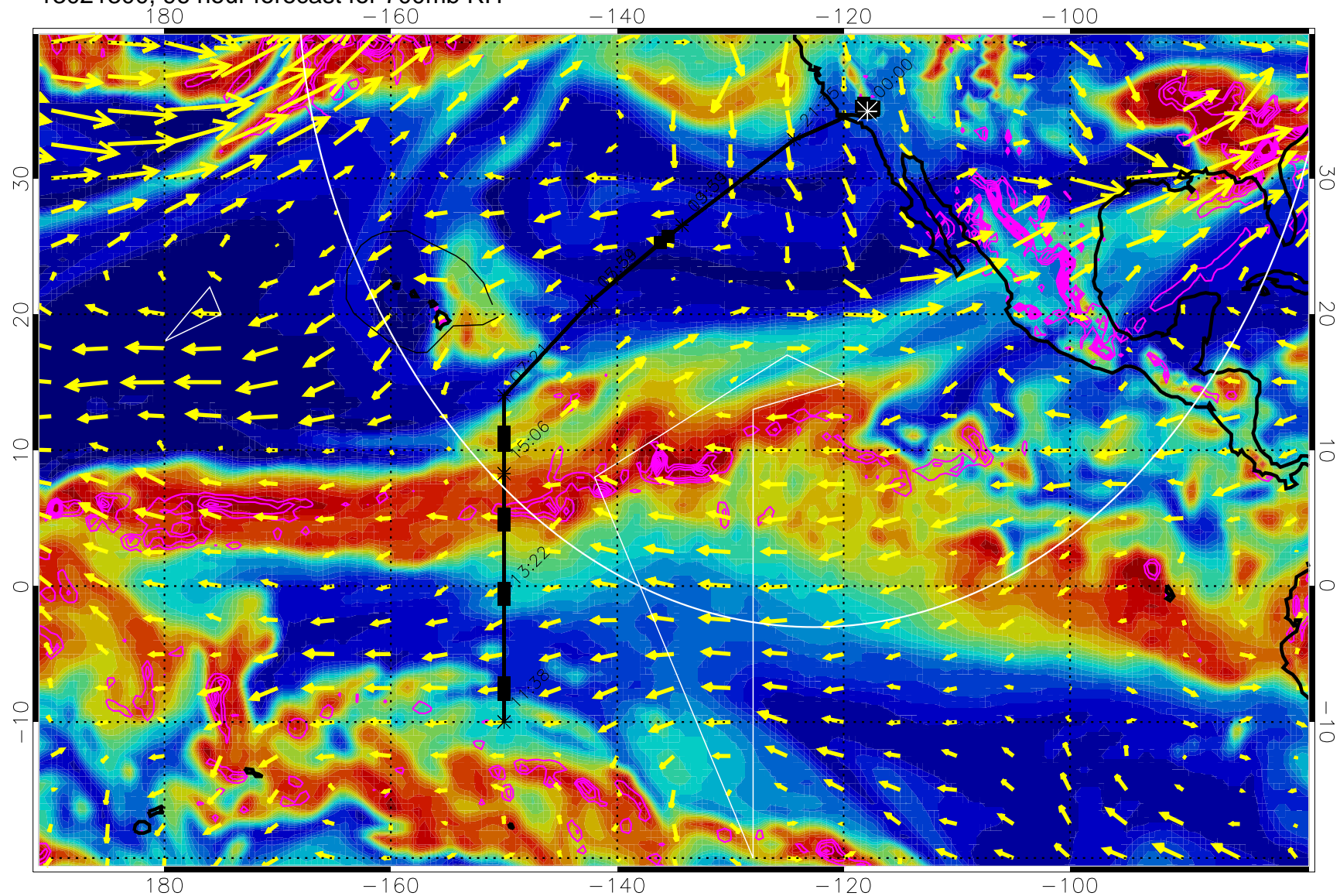
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause ( $2$  PVU) Position

→ 30 m/s

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

13021300, 96 hour forecast for 700mb RH



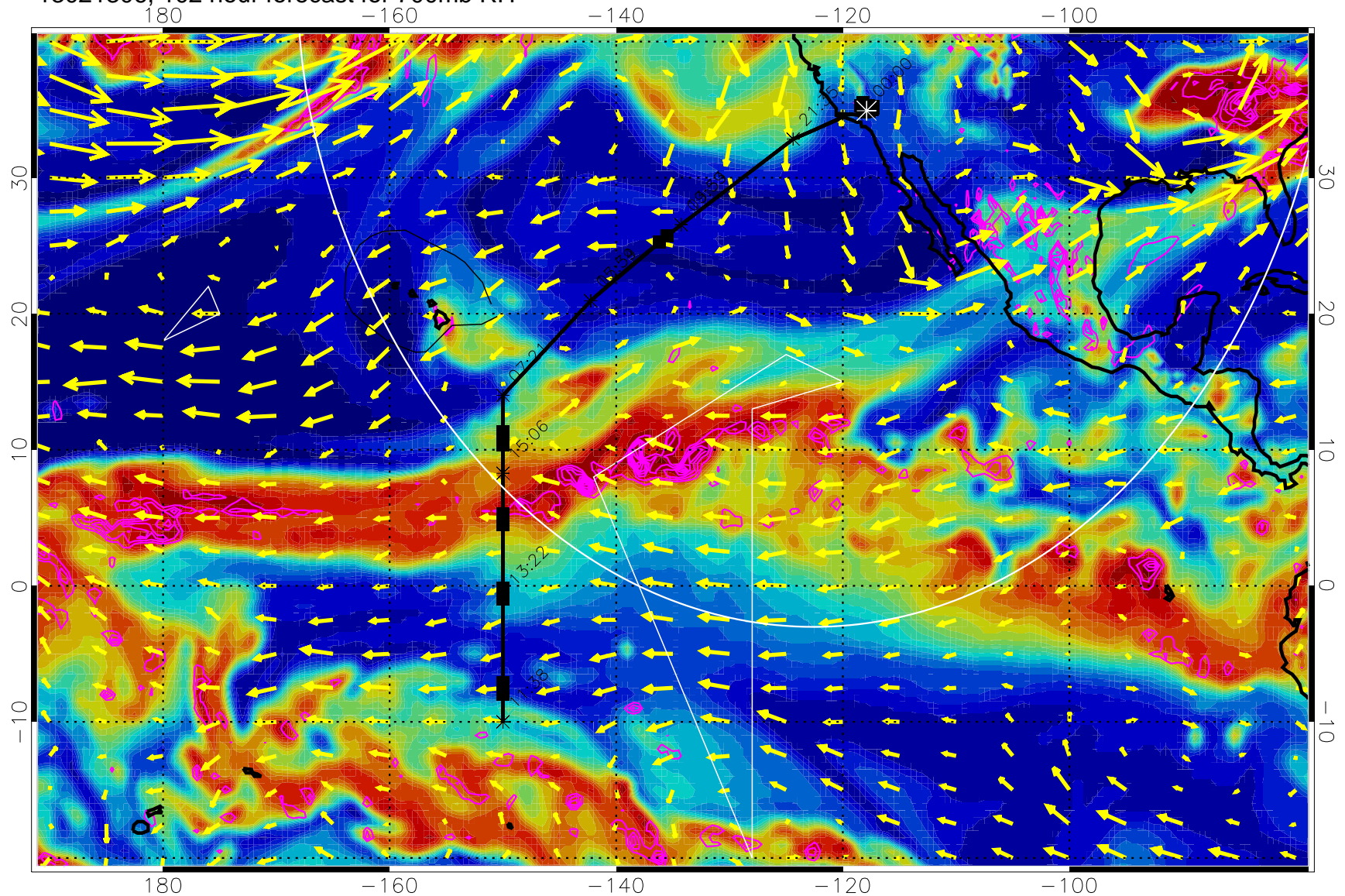
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13021306, 102 hour forecast for 700mb RH



0 20 40 60 80 100  
RH, %

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

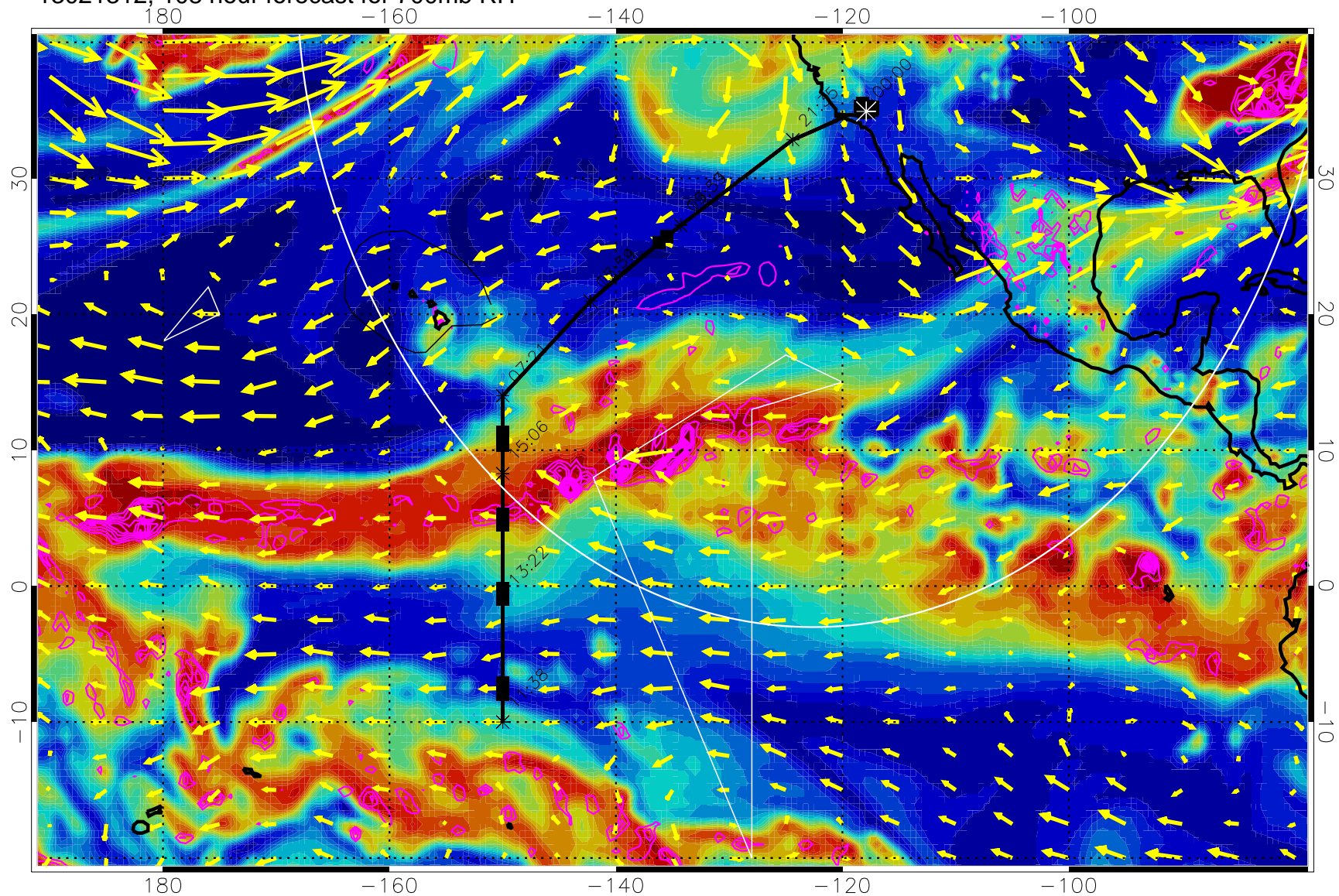
EPV Tropopause (2 PVU) Position

→ 30 m/s

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



13021312, 108 hour forecast for 700mb RH



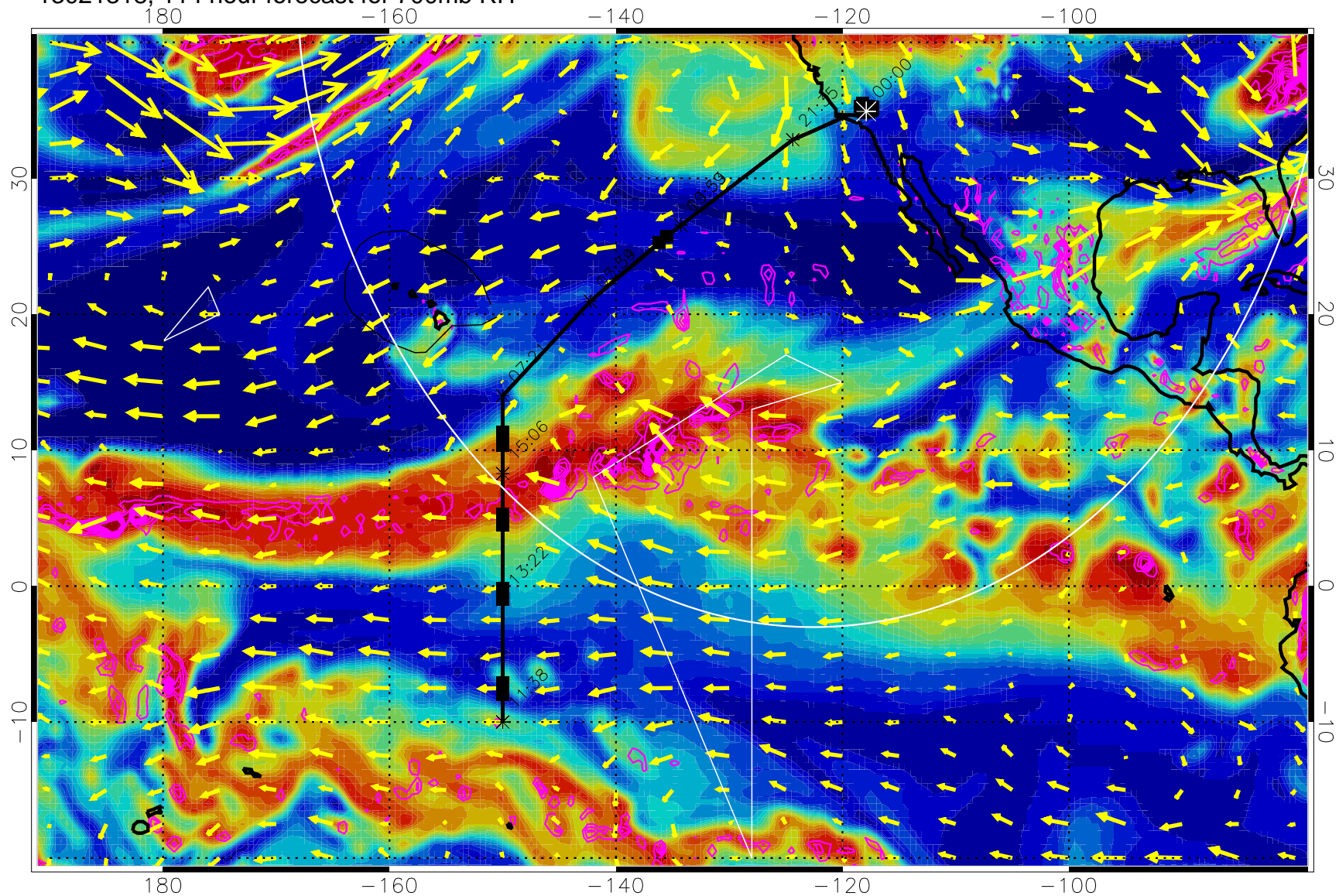
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13021318, 114 hour forecast for 700mb RH



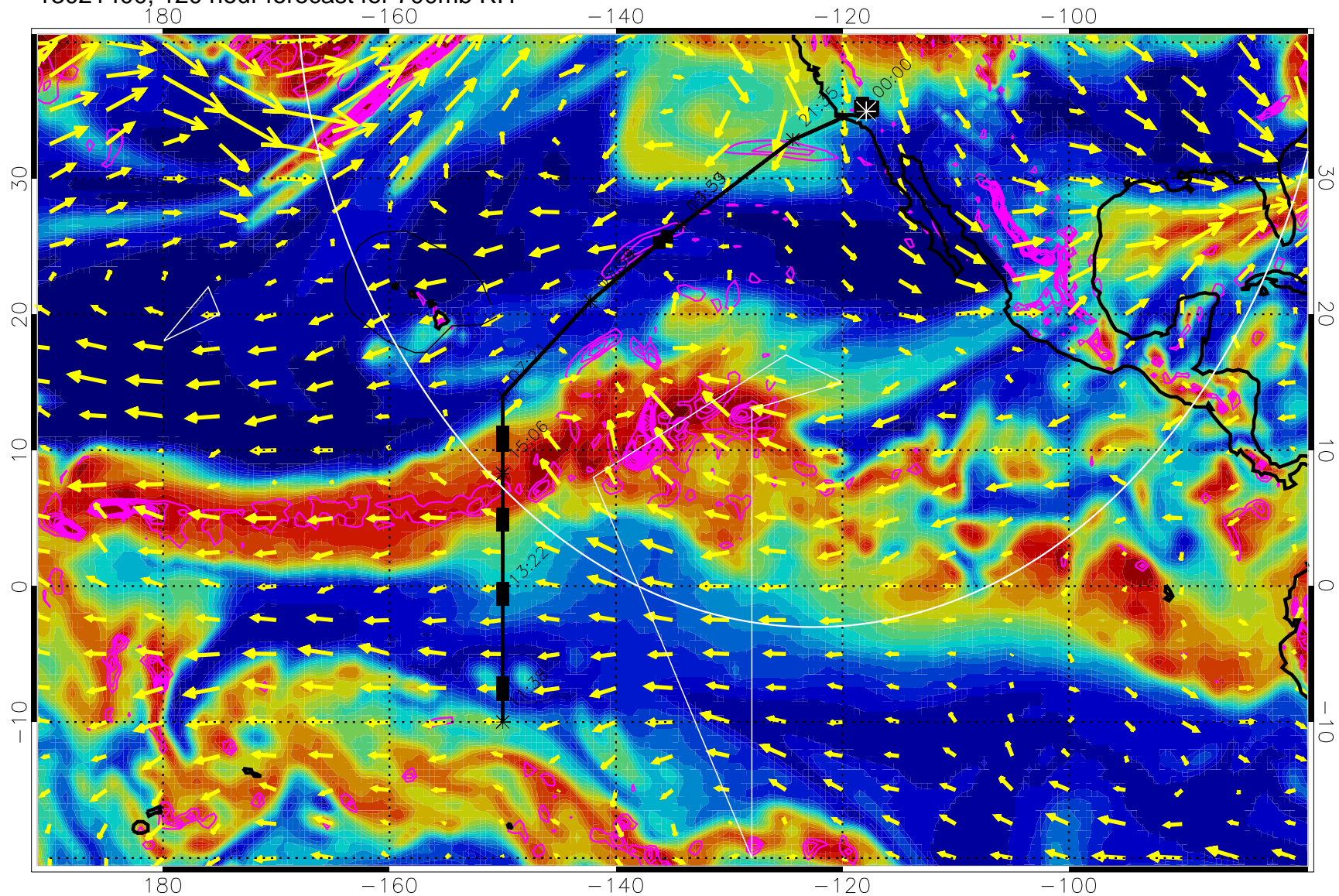
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13021400, 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