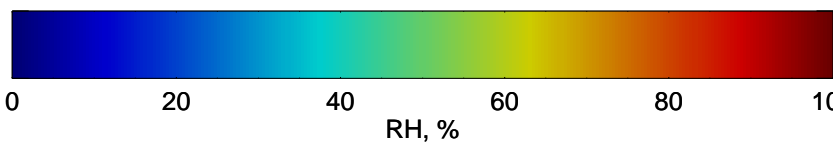
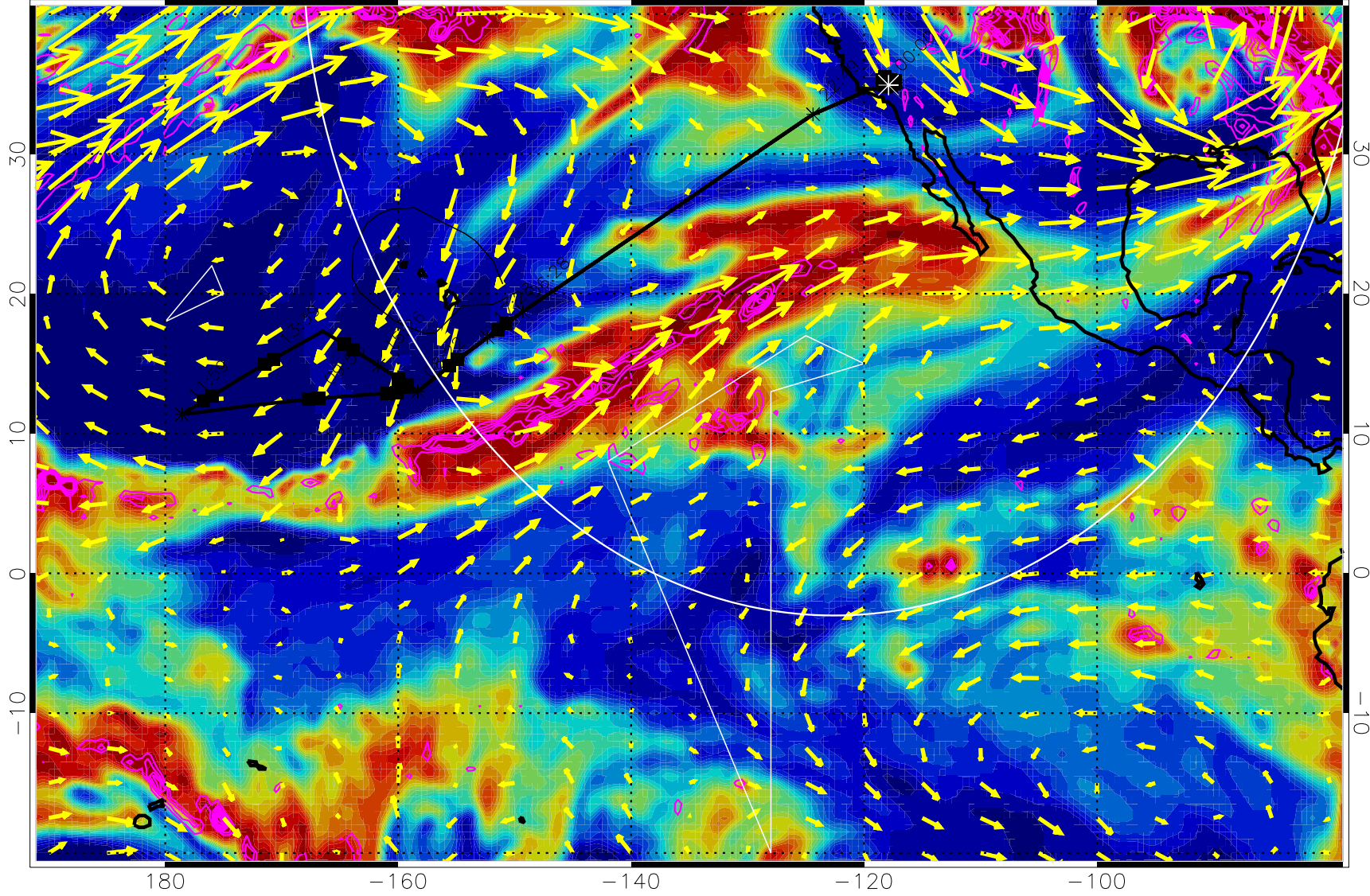


13022612, 12 hour forecast for 500mb RH

180 -160 -140 -120 -100



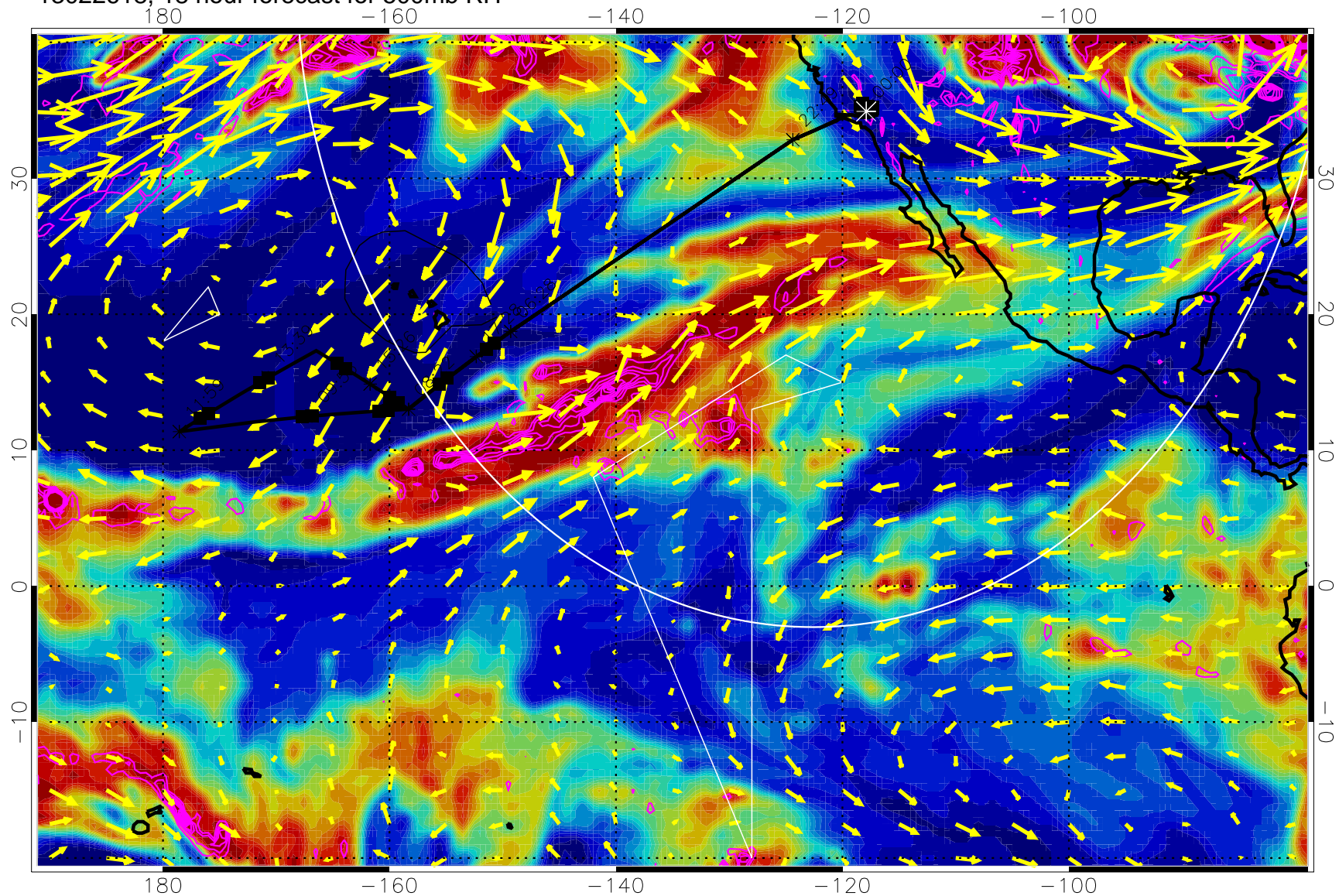
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

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

13022618, 18 hour forecast for 500mb RH



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

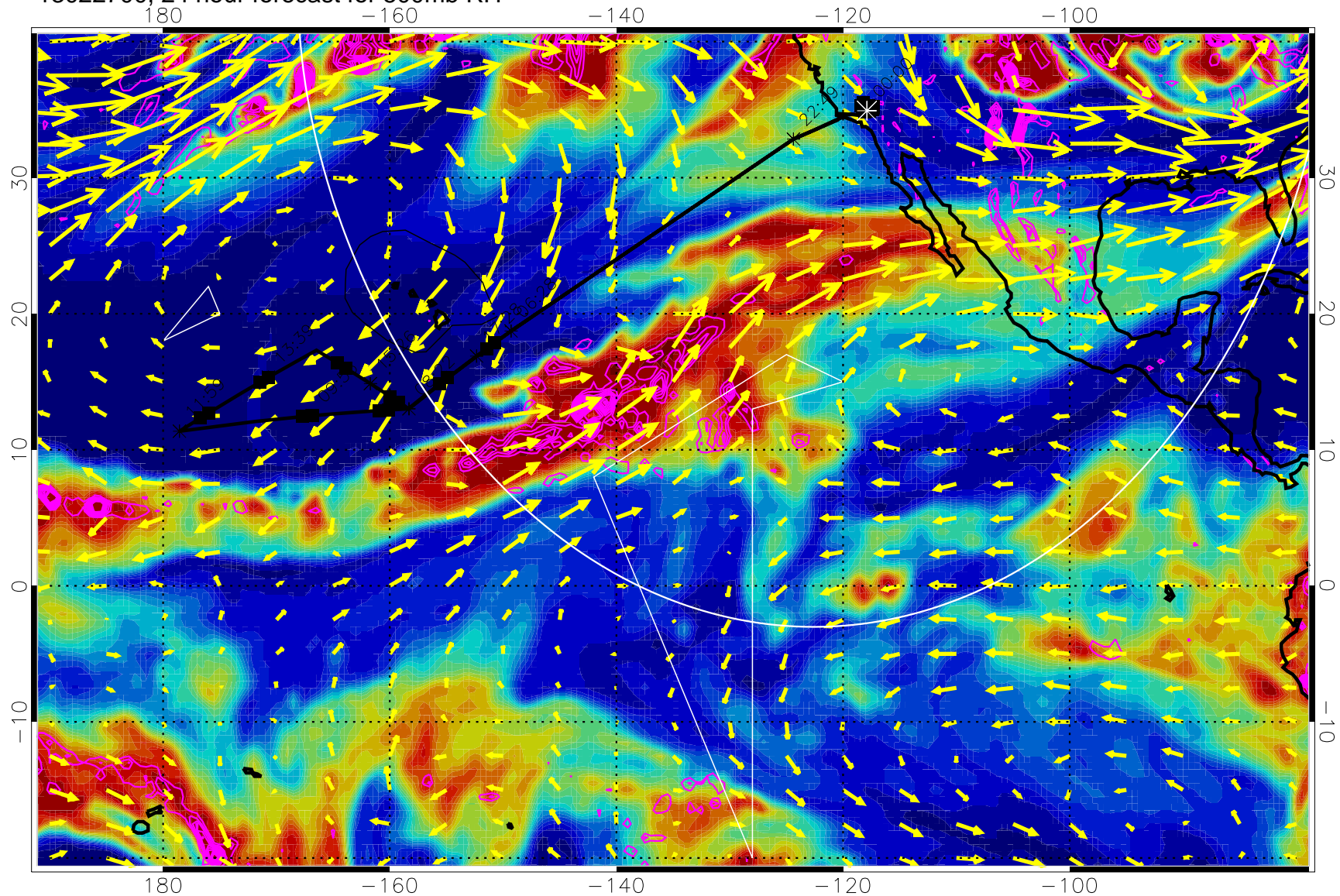
EPV Tropopause (2 PVU) Position

→ 40 m/s

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



13022700, 24 hour forecast for 500mb RH



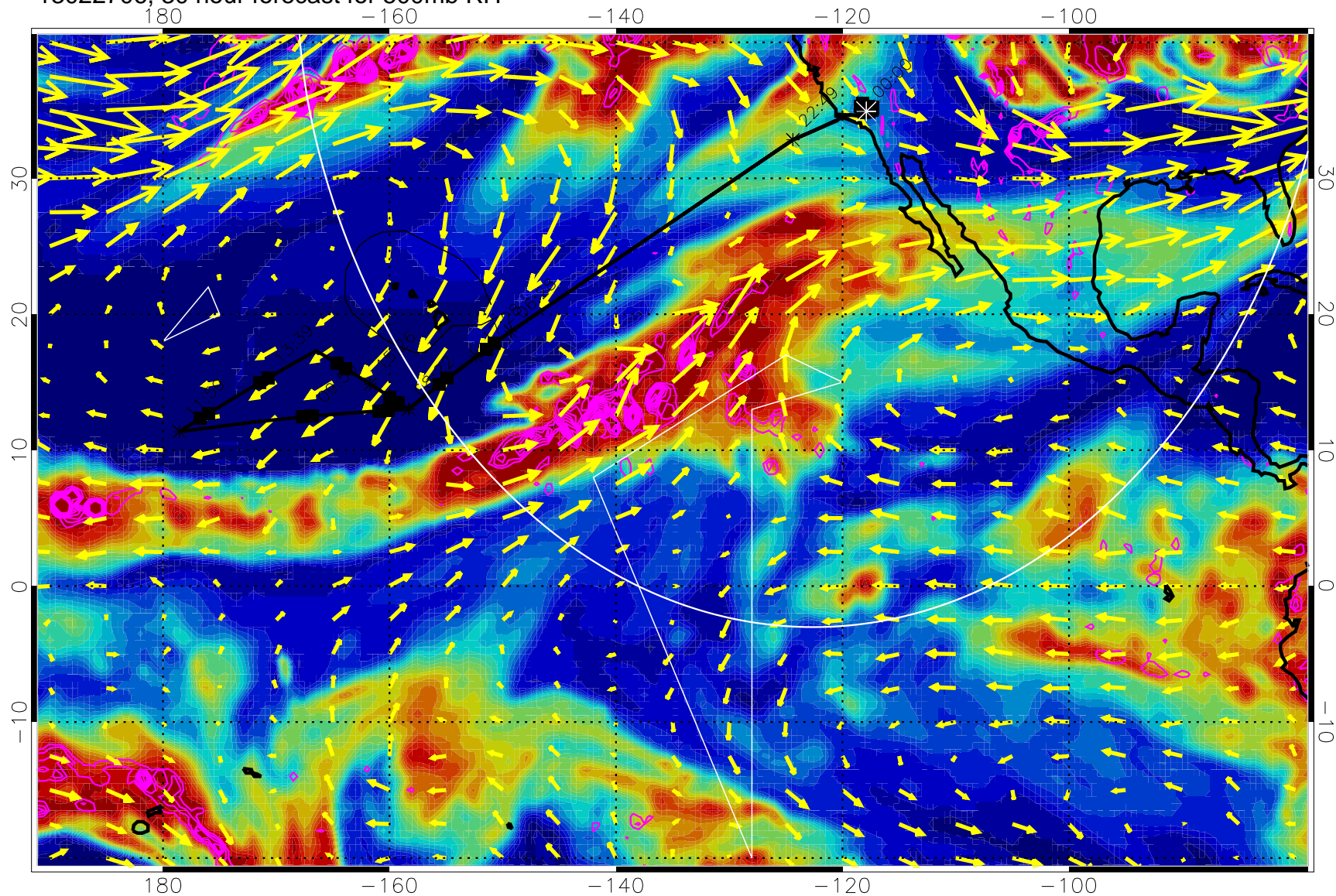
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

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

13022706, 30 hour forecast for 500mb RH



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

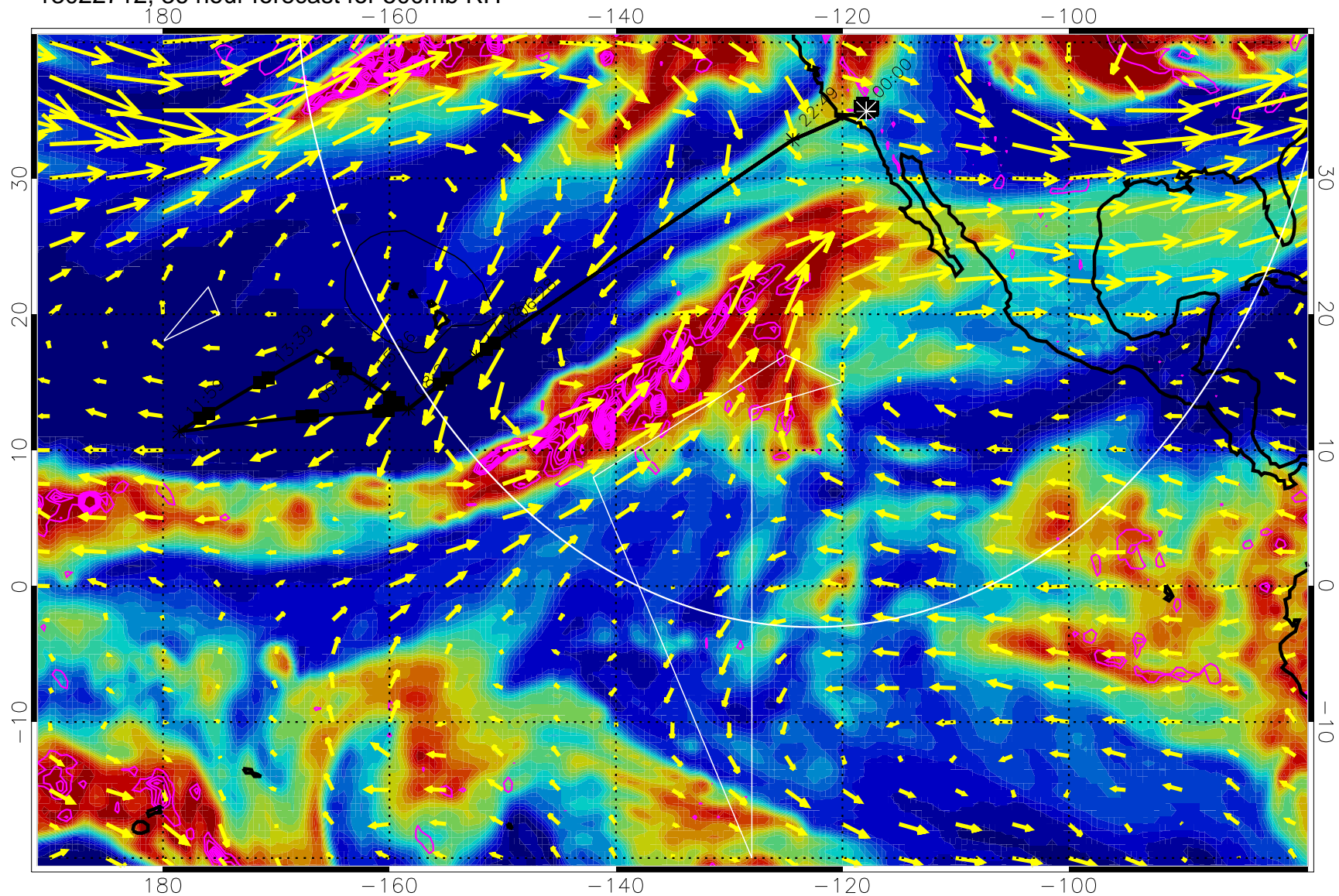
EPV Tropopause ( $2$  PVU) Position

→ 40 m/s

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



13022712, 36 hour forecast for 500mb RH



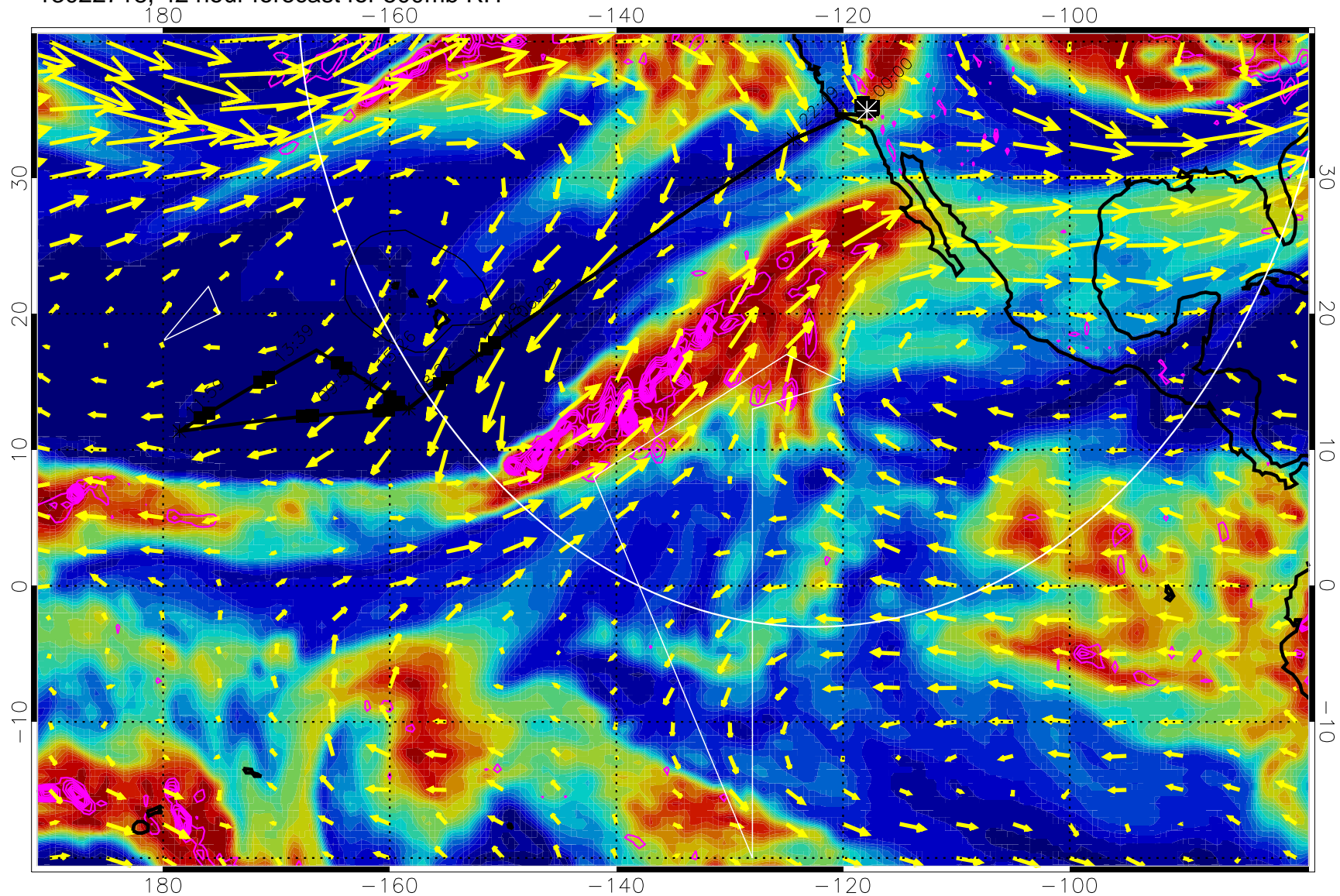
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

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

13022718, 42 hour forecast for 500mb RH



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

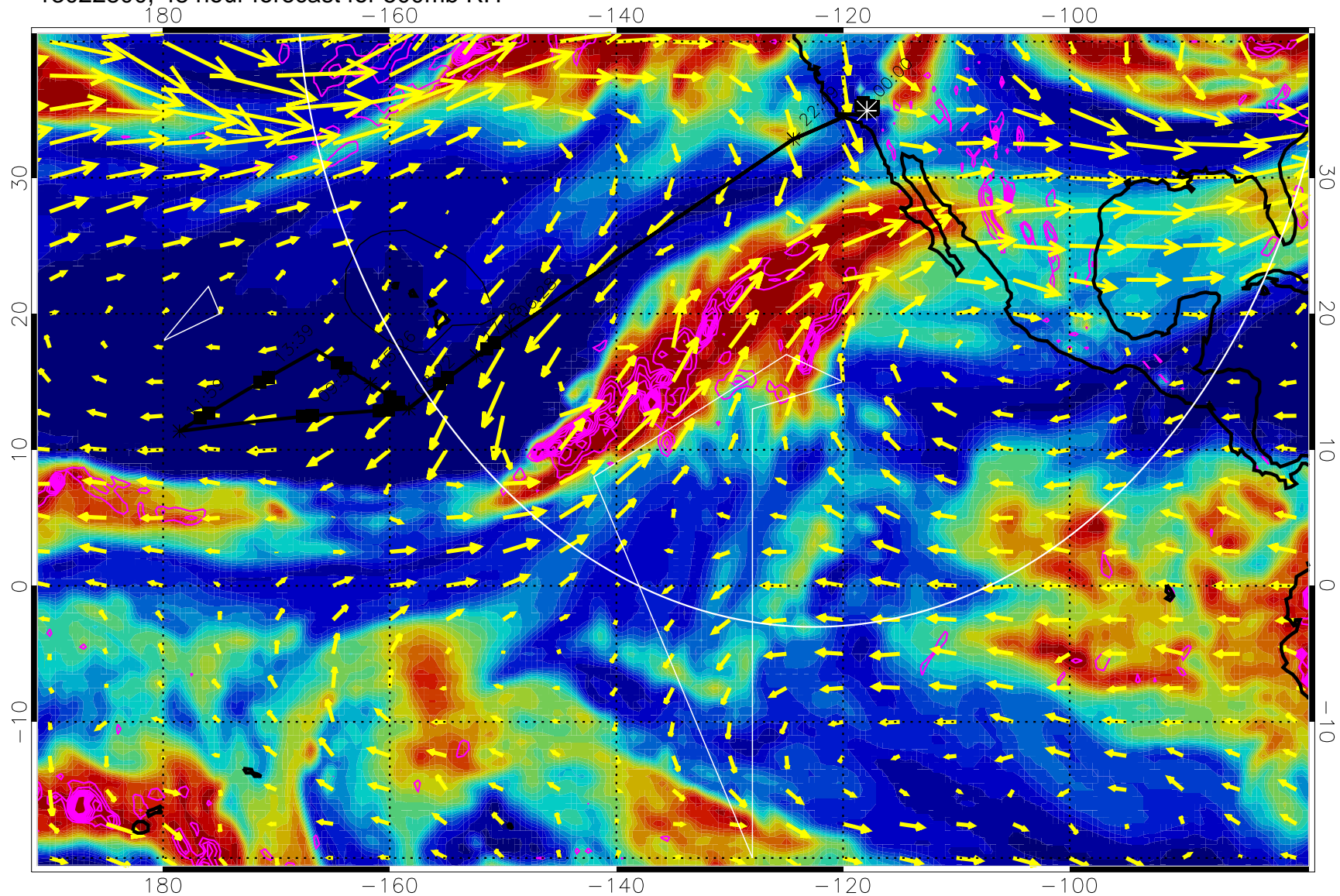
EPV Tropopause (2 PVU) Position

→ 40 m/s

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



13022800, 48 hour forecast for 500mb RH



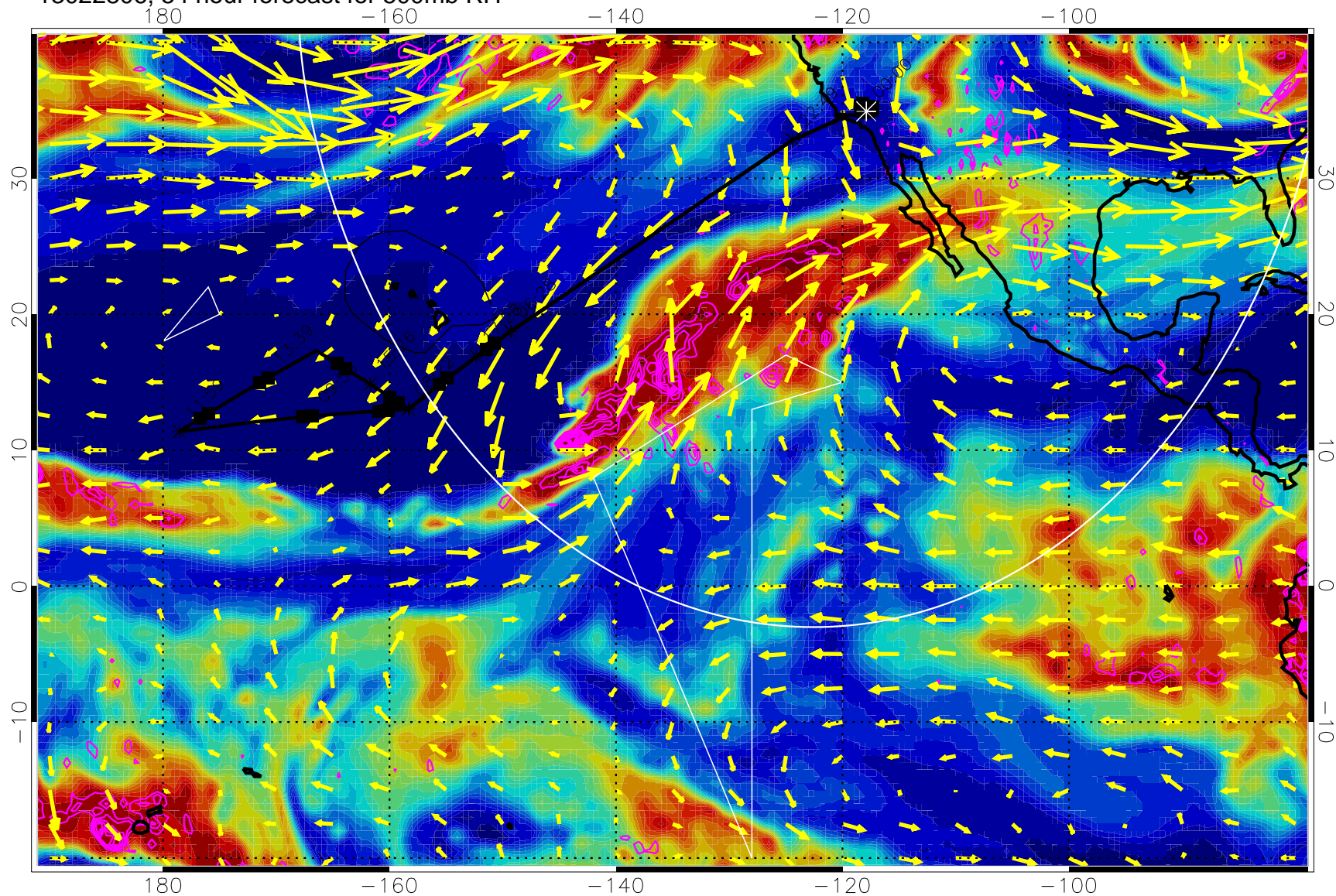
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

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

13022806, 54 hour forecast for 500mb RH



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

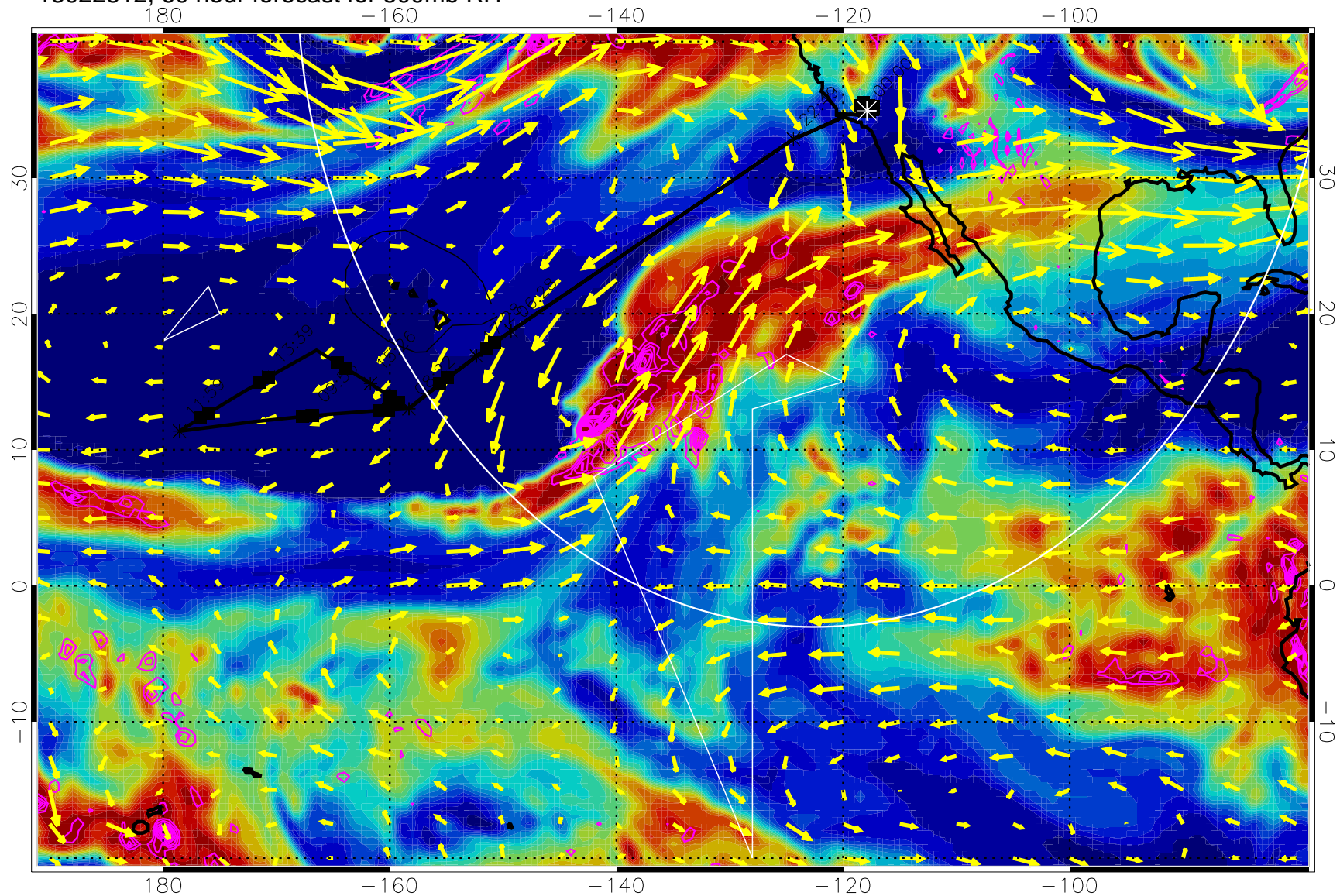
EPV Tropopause (2 PVU) Position

→ 40 m/s

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



13022812, 60 hour forecast for 500mb RH



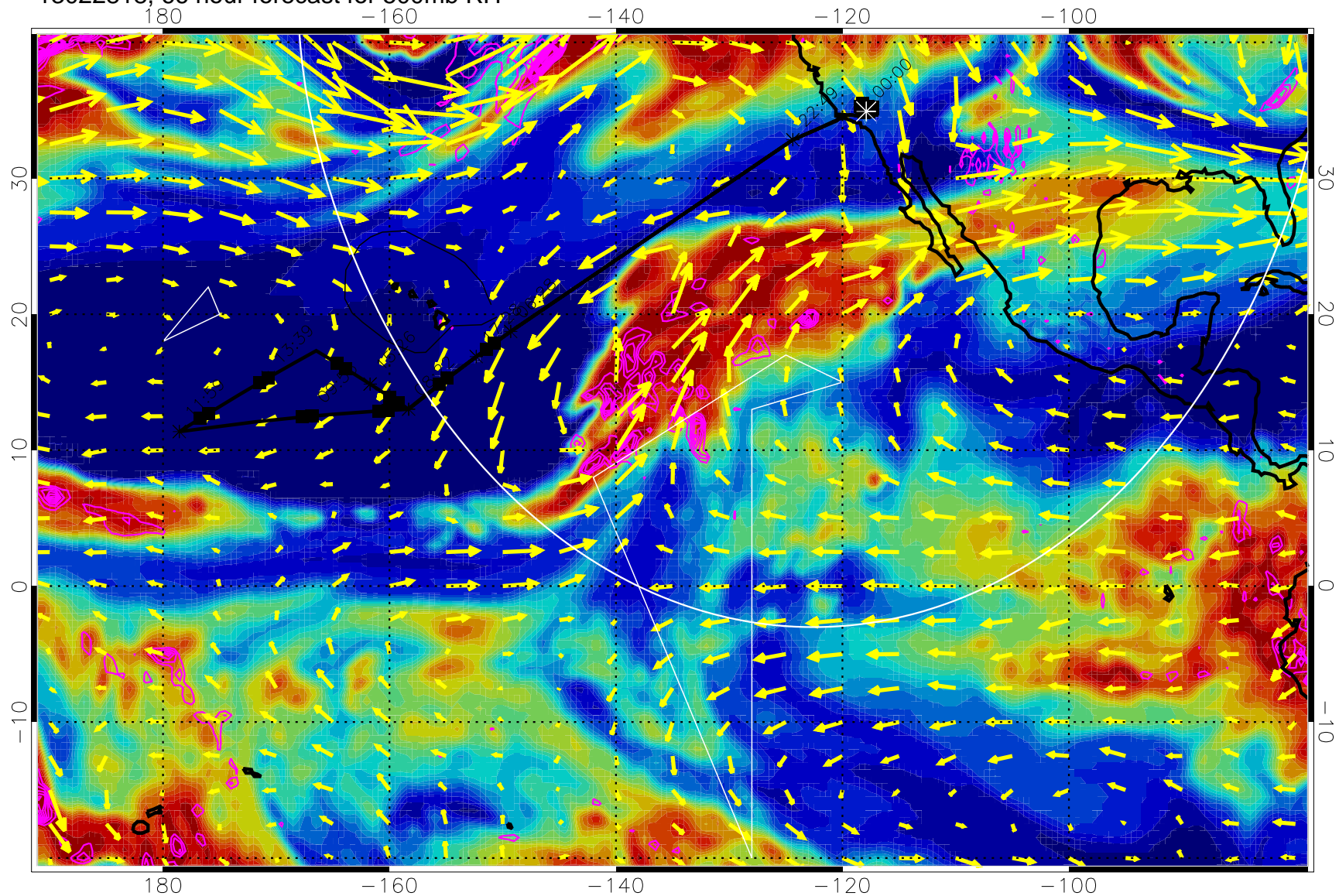
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

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

13022818, 66 hour forecast for 500mb RH



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

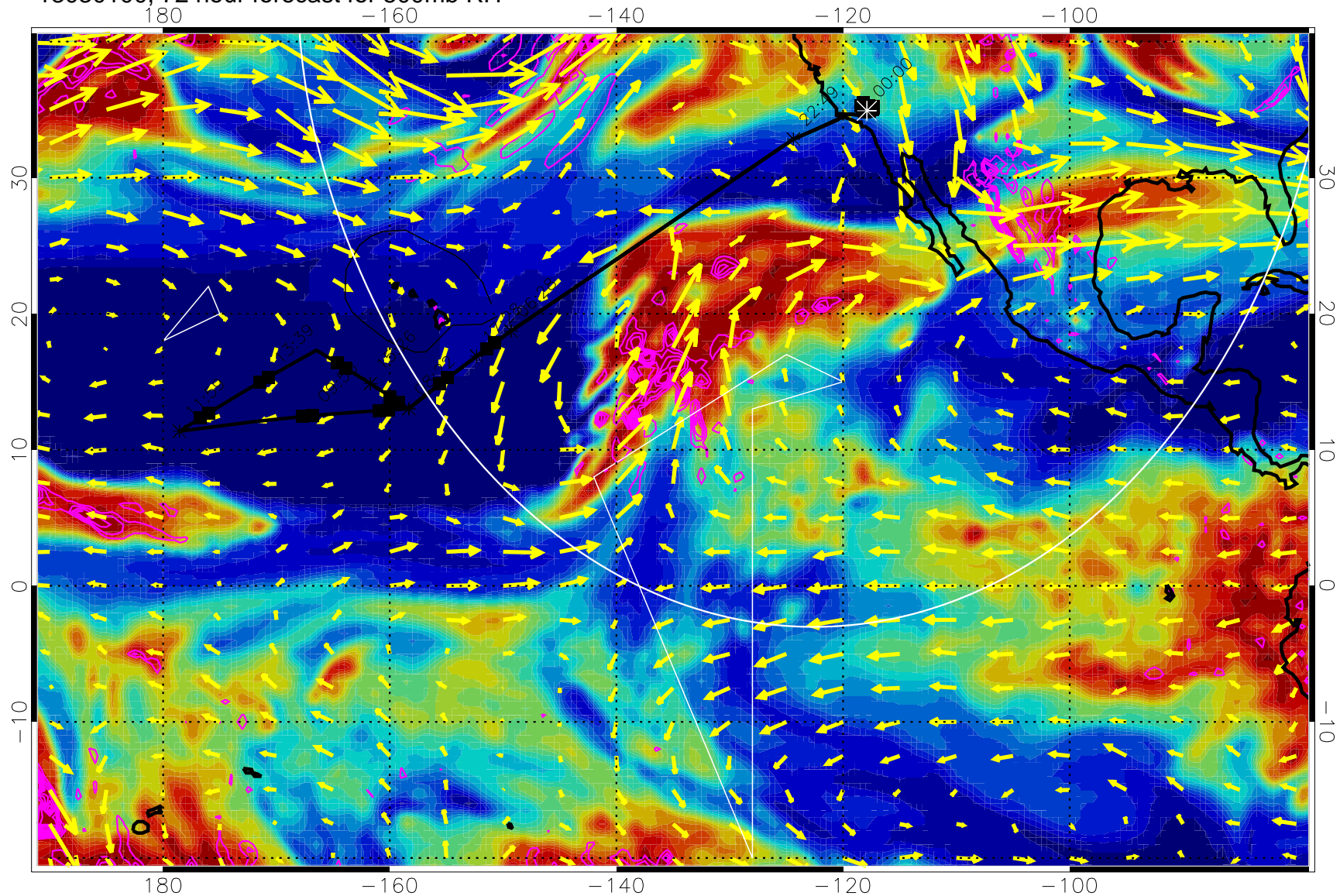
EPV Tropopause (2 PVU) Position

→ 40 m/s

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



13030100, 72 hour forecast for 500mb RH



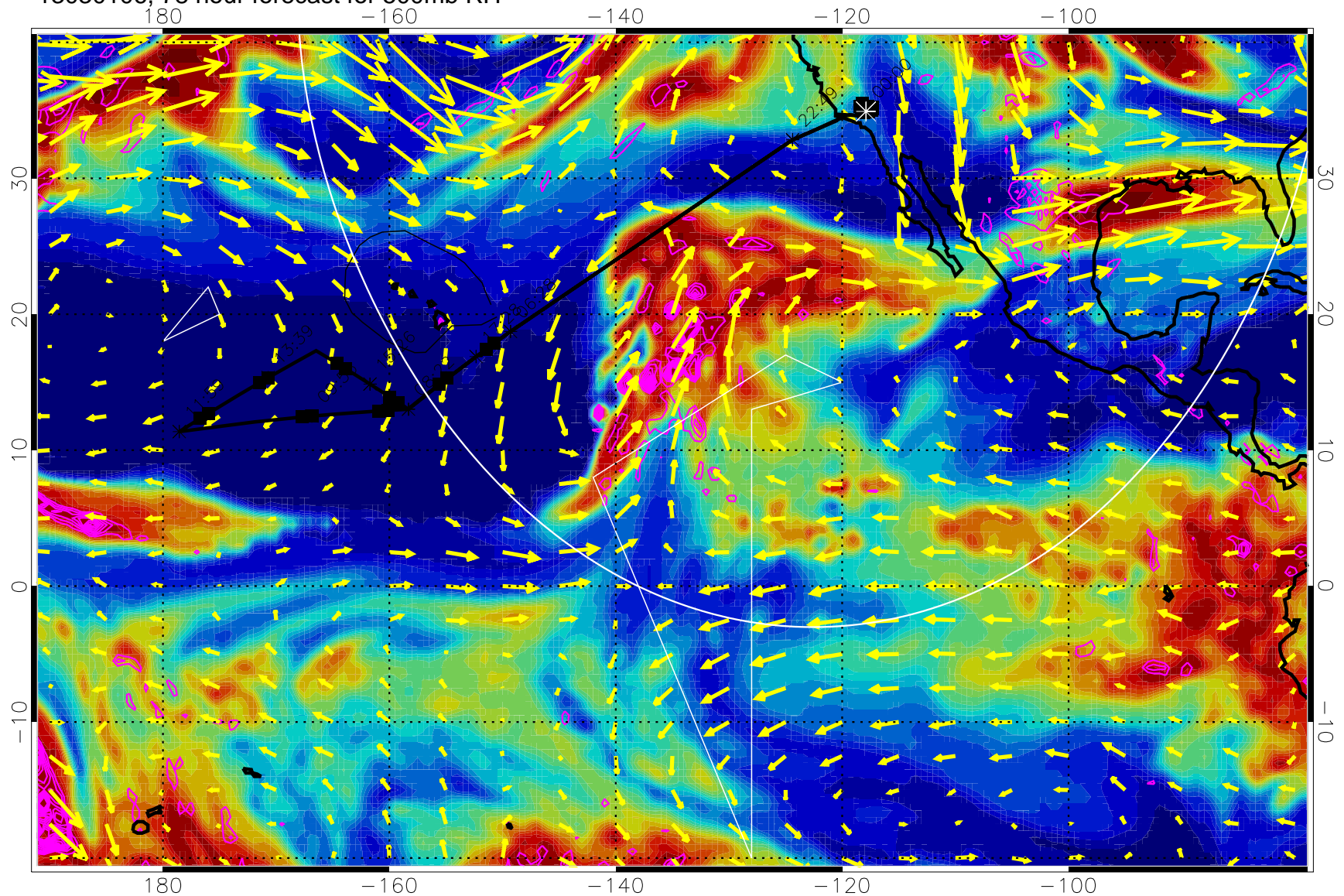
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

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

13030106, 78 hour forecast for 500mb RH



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

EPV Tropopause ( $2$  PVU) Position

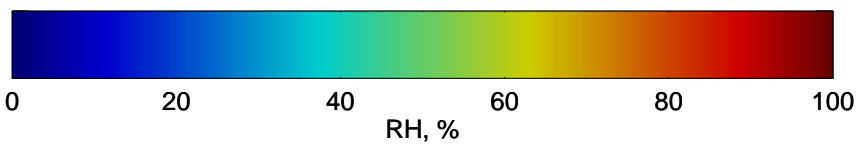
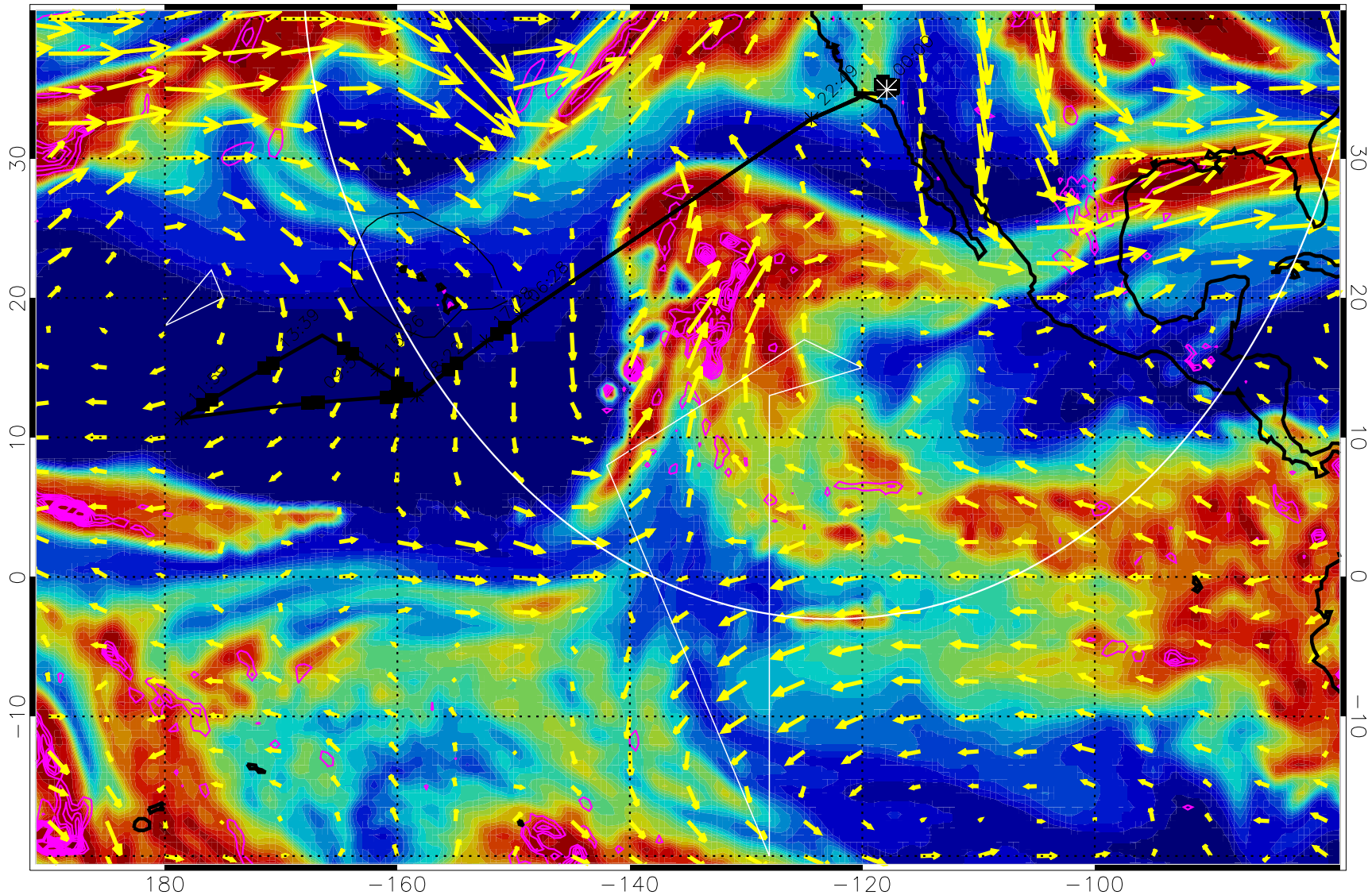
→ 40 m/s

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



13030112, 84 hour forecast for 500mb RH

180 -160 -140 -120 -100



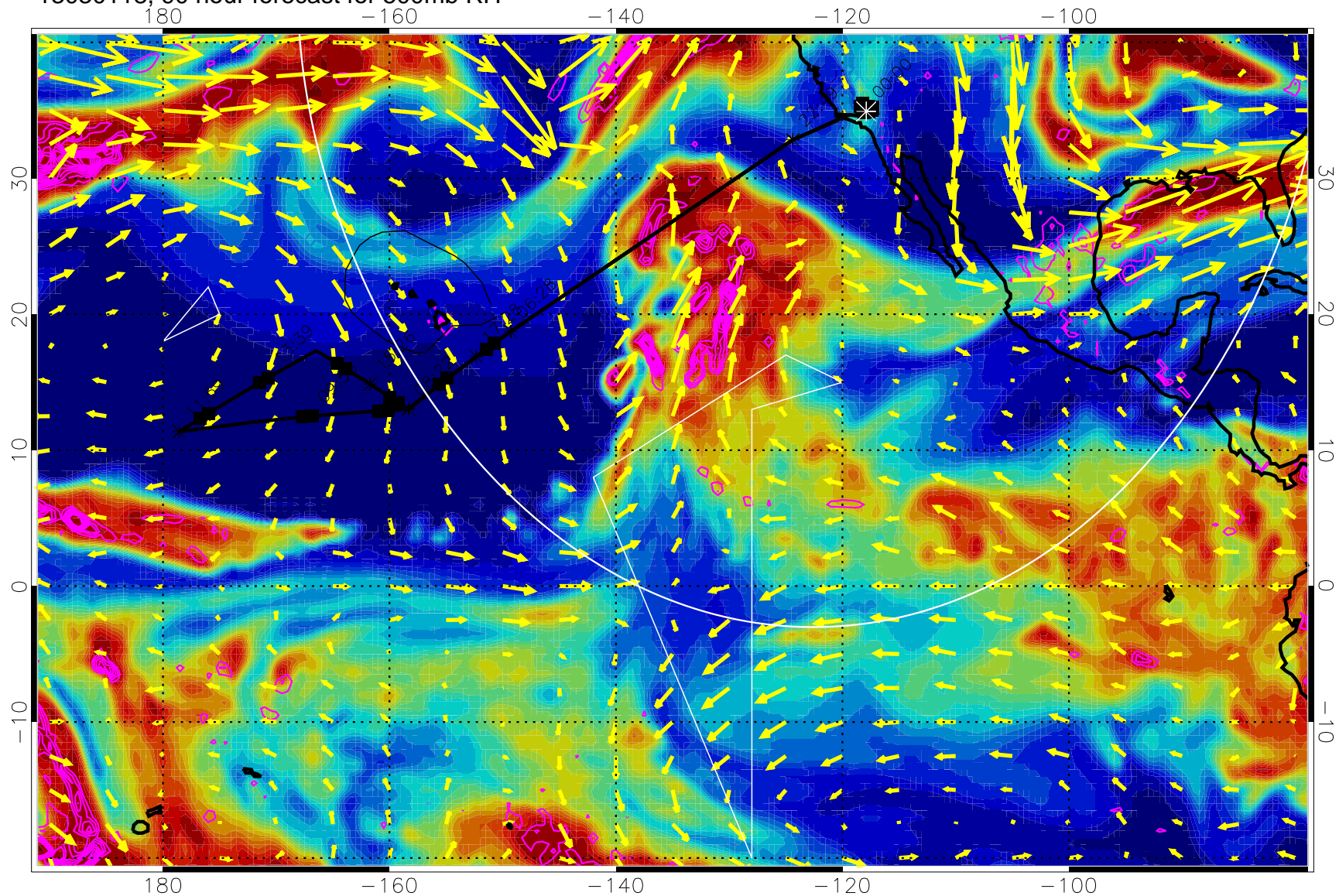
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

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

13030118, 90 hour forecast for 500mb RH



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

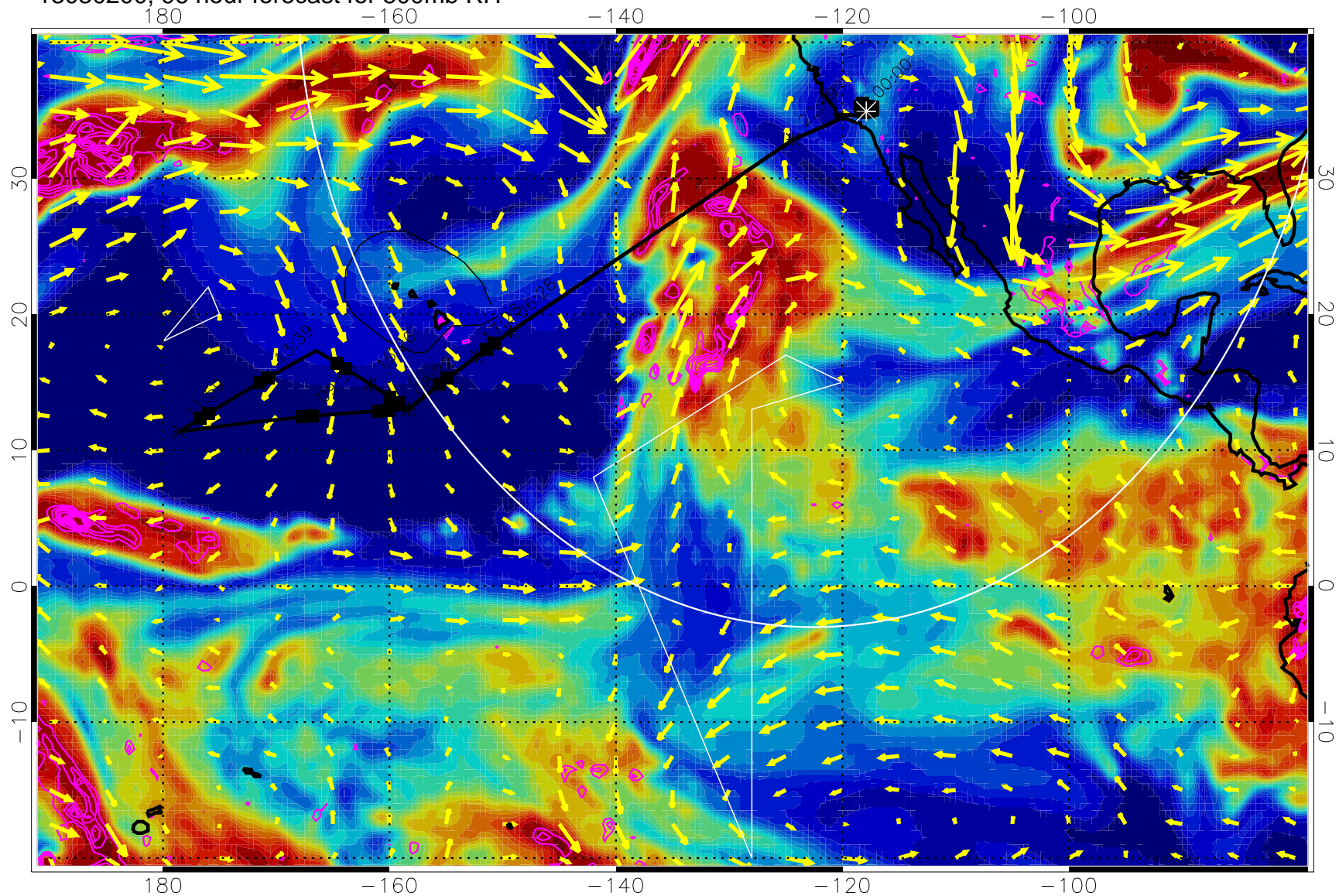
EPV Tropopause (2 PVU) Position

→ 40 m/s

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



13030200, 96 hour forecast for 500mb RH



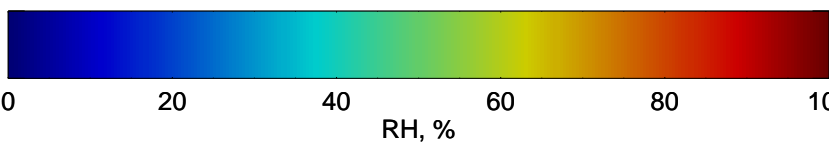
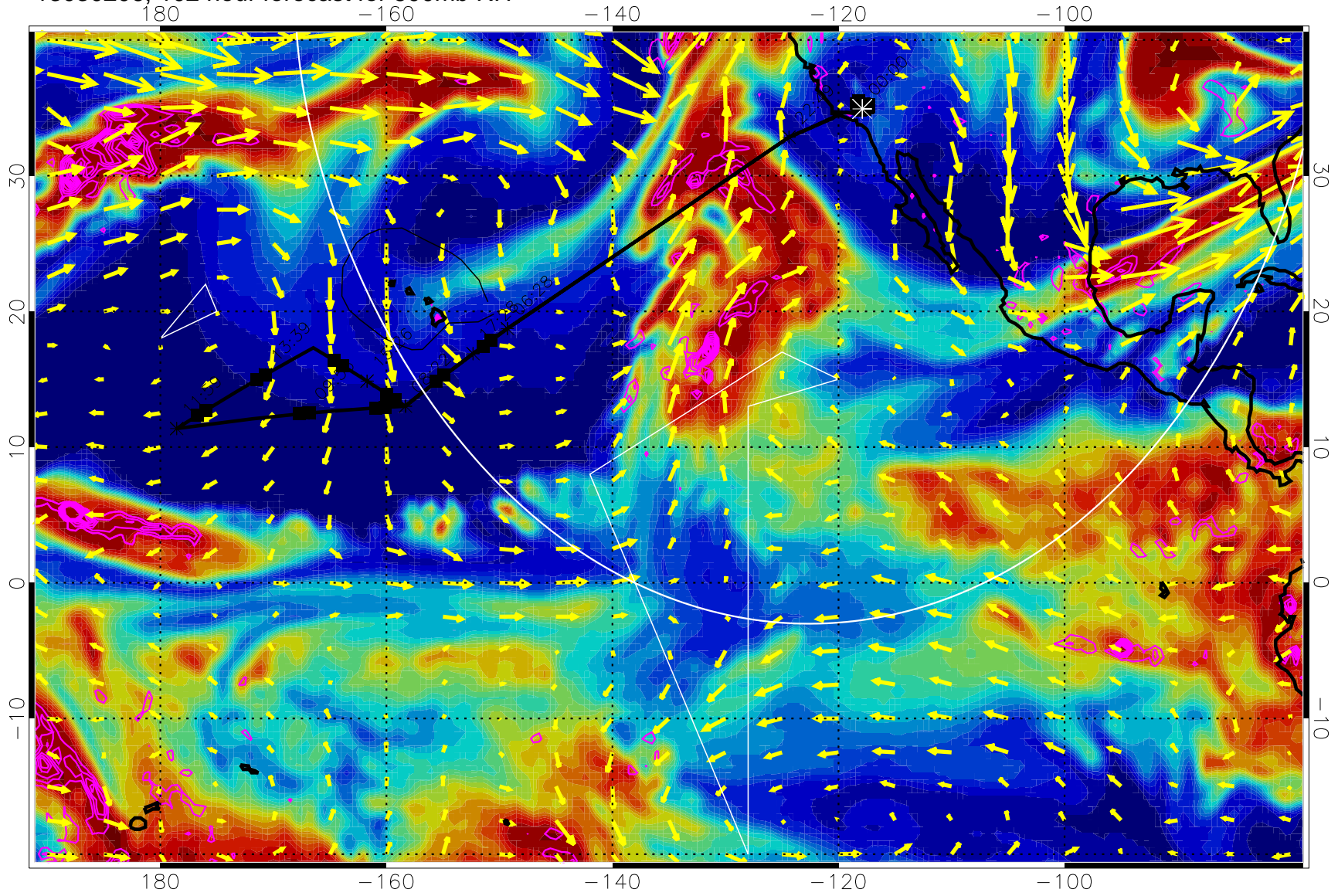
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

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

13030206, 102 hour forecast for 500mb RH



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

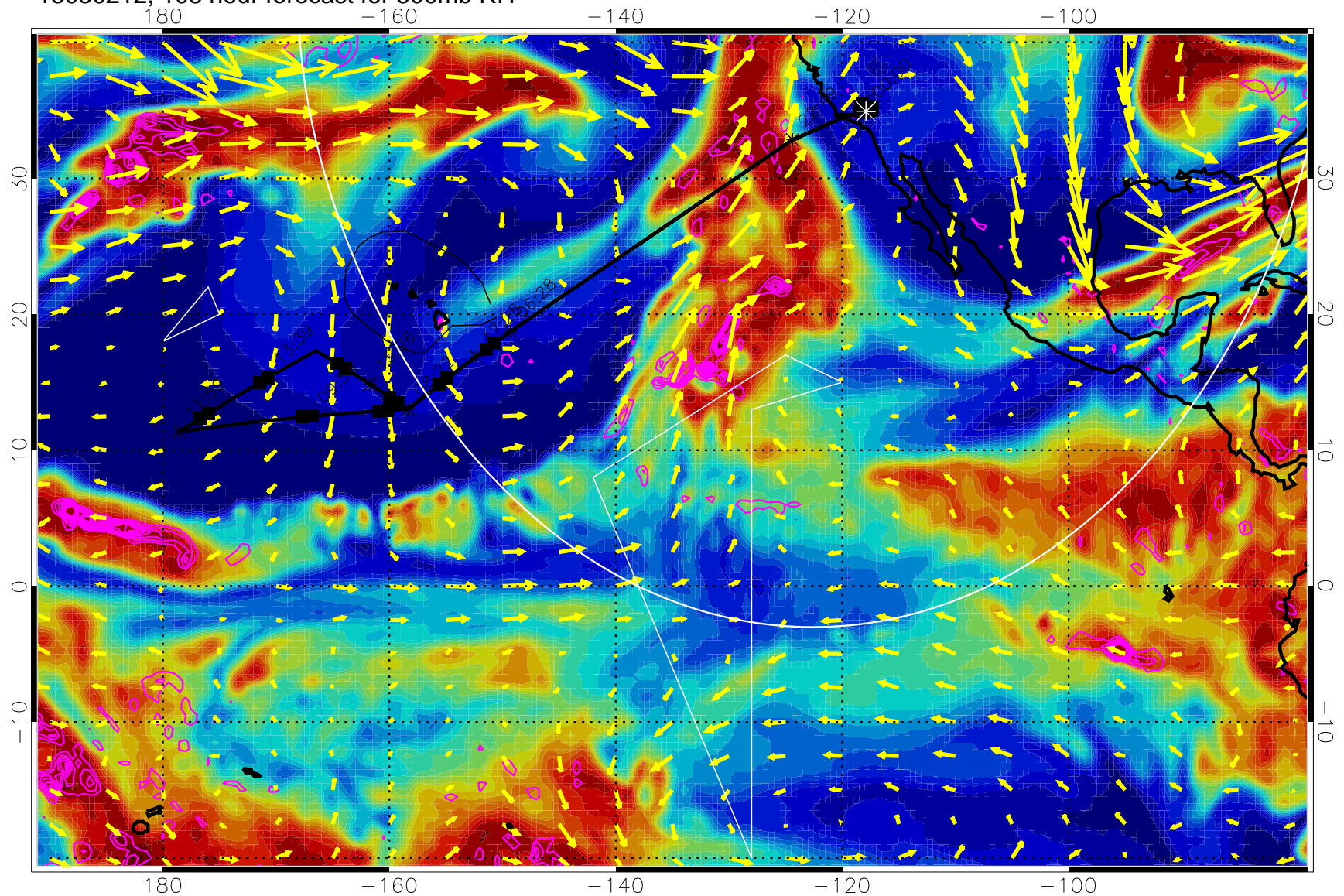
EPV Tropopause (2 PVU) Position

 40 m/s

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



13030212, 108 hour forecast for 500mb RH



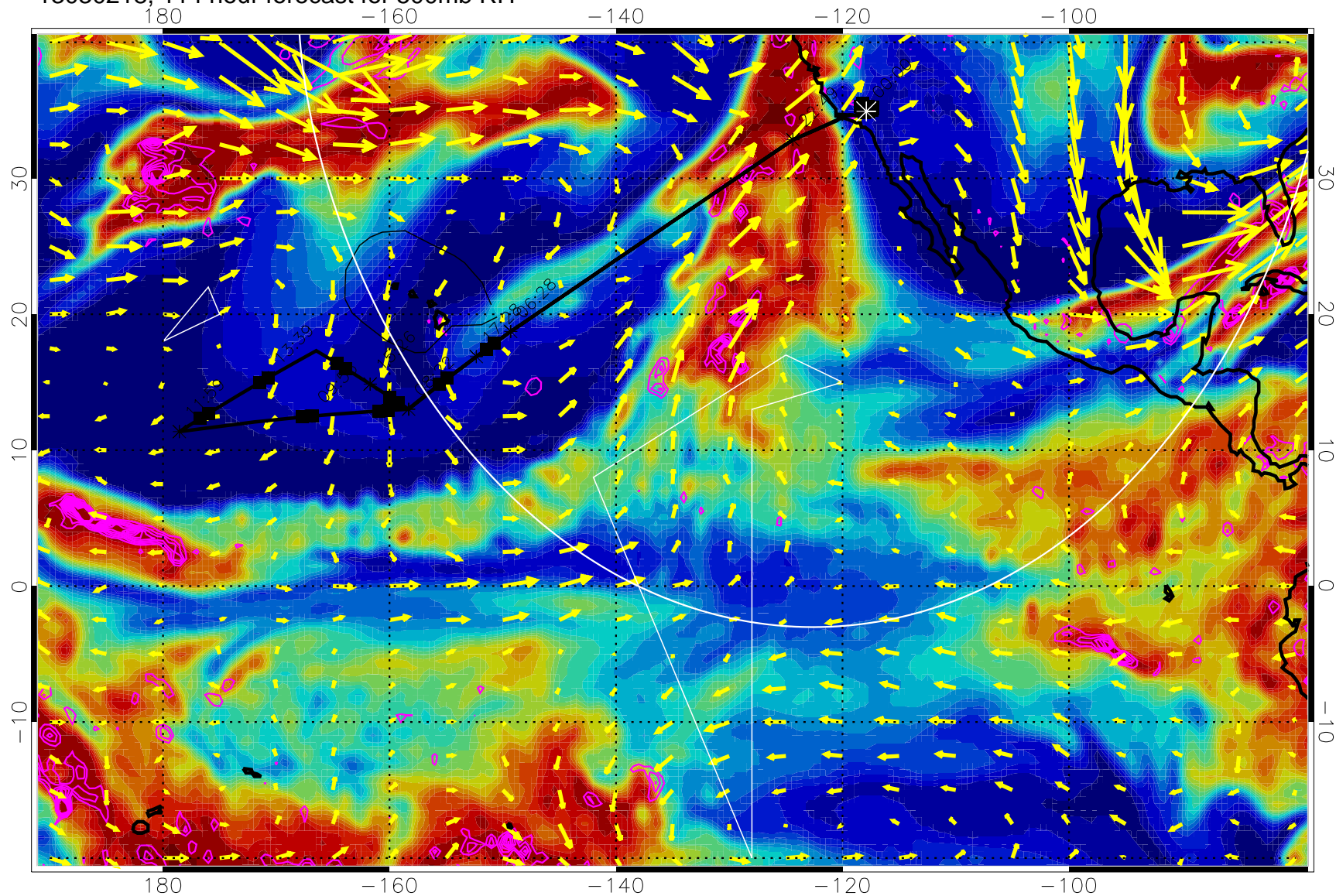
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 40 m/s

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

13030218, 114 hour forecast for 500mb RH



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

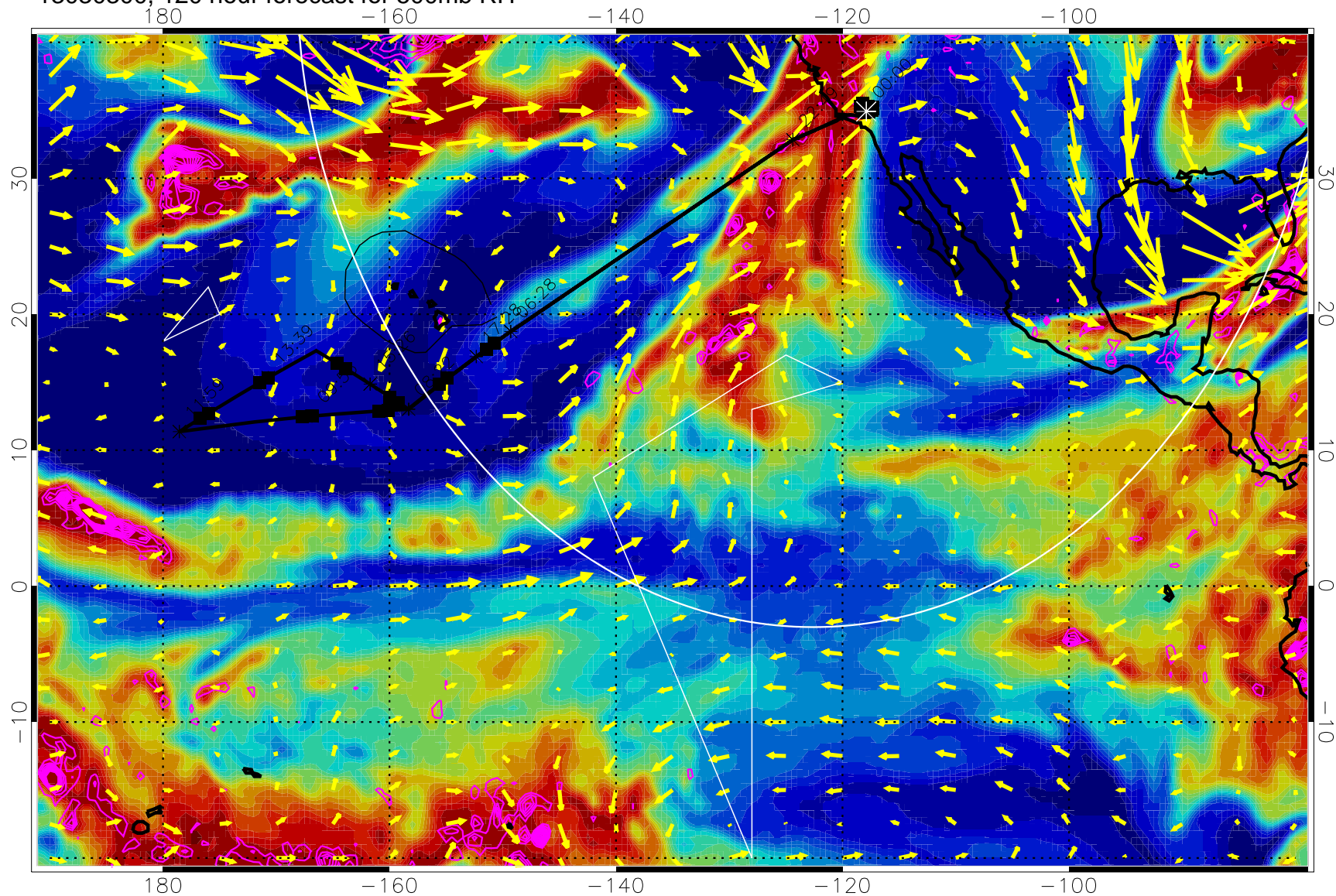
EPV Tropopause (2 PVU) Position

→ 40 m/s

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



13030300, 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