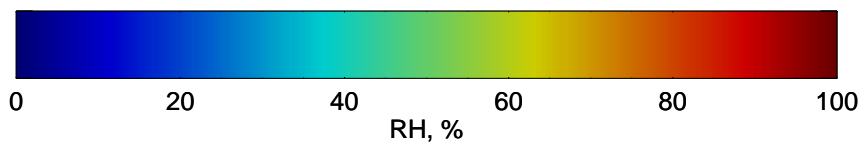
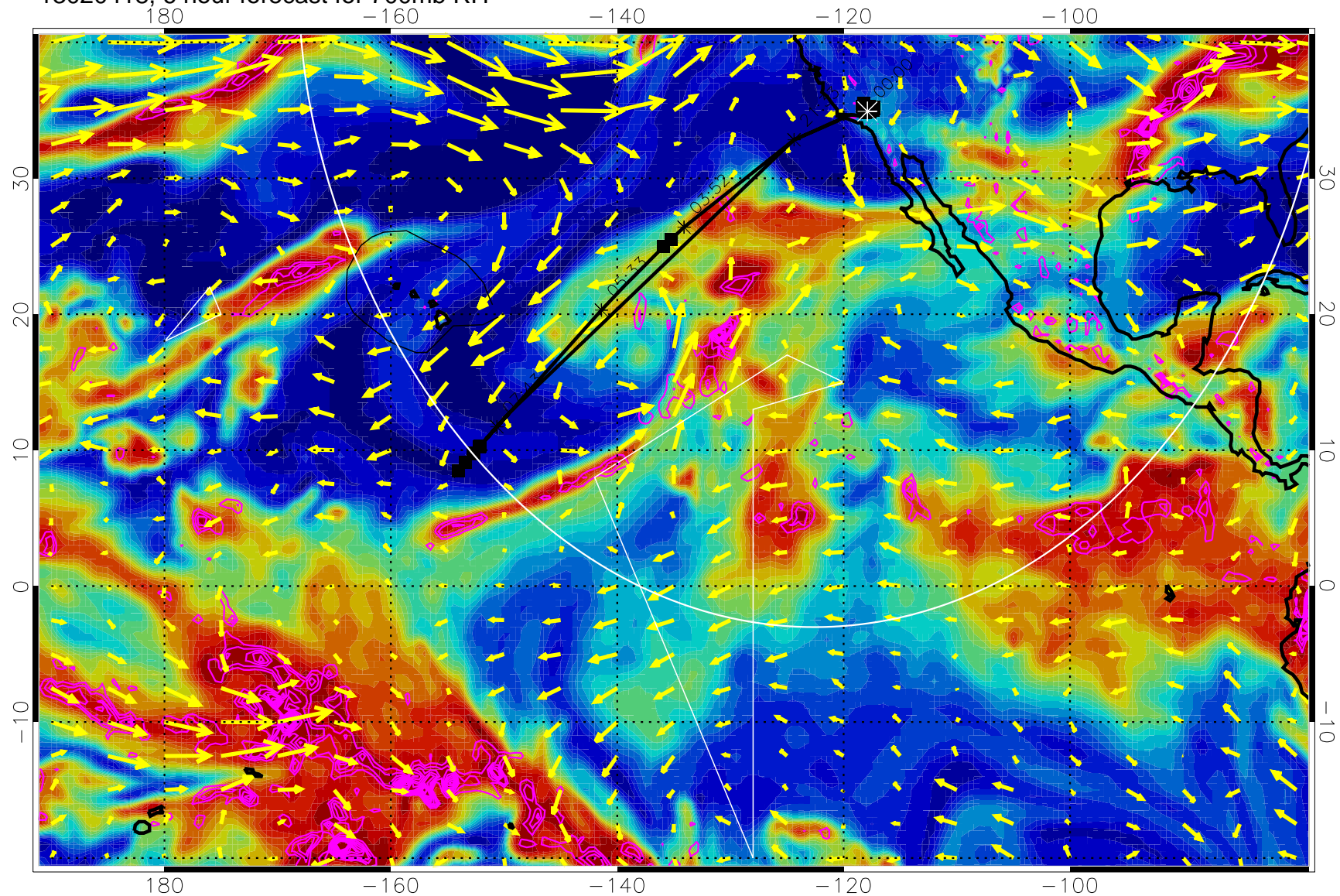


13020418, 6 hour forecast for 700mb RH



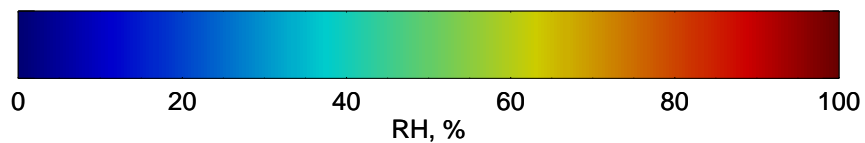
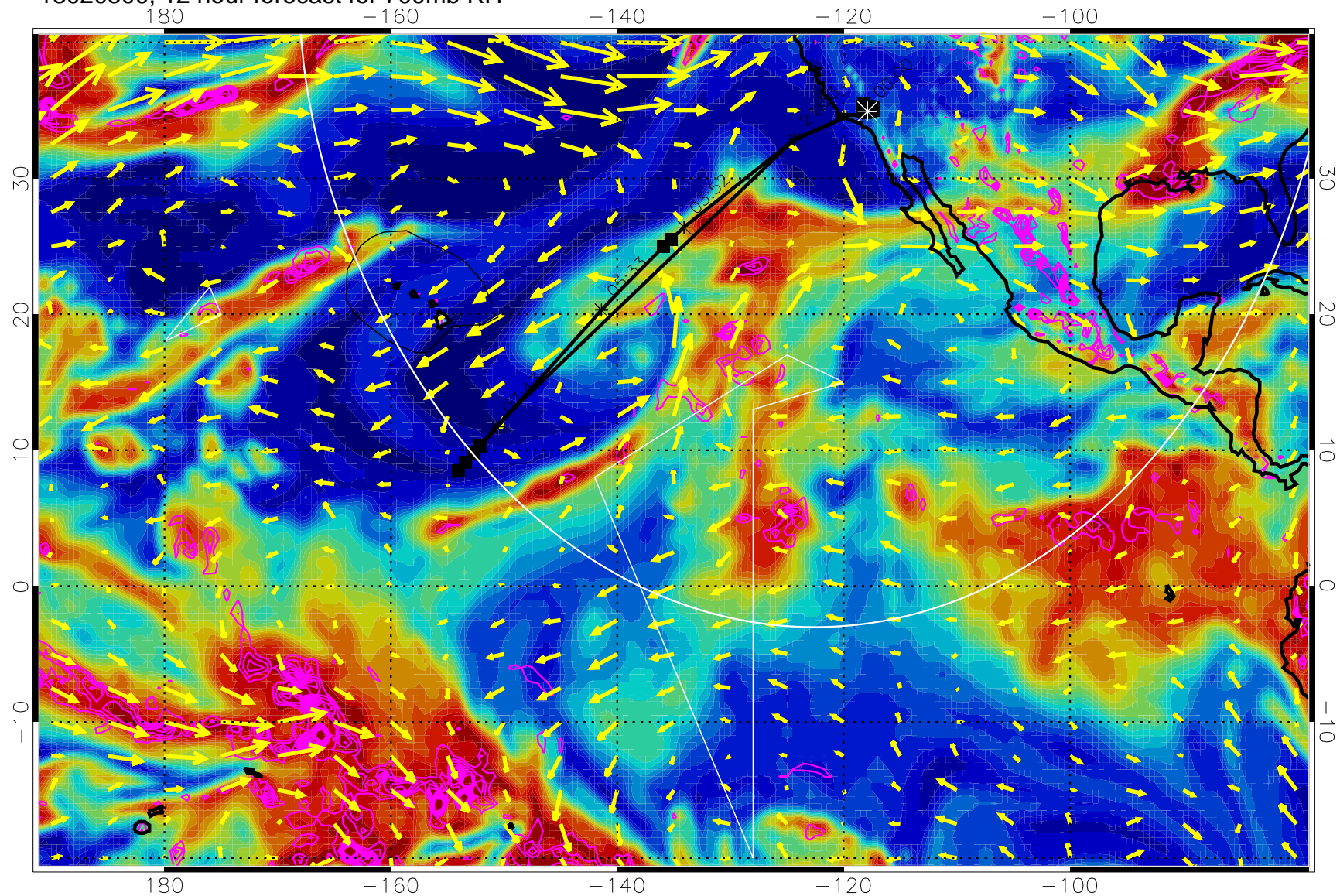
Negative Omegas less than  $-.3$ , contours of  $.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13020500, 12 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



180	-160	-140	-120	-100
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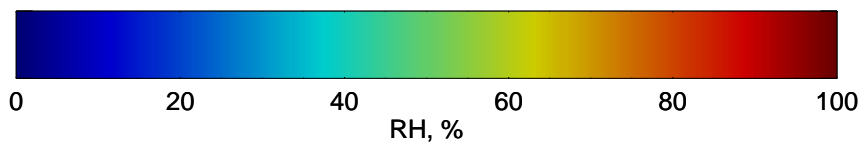
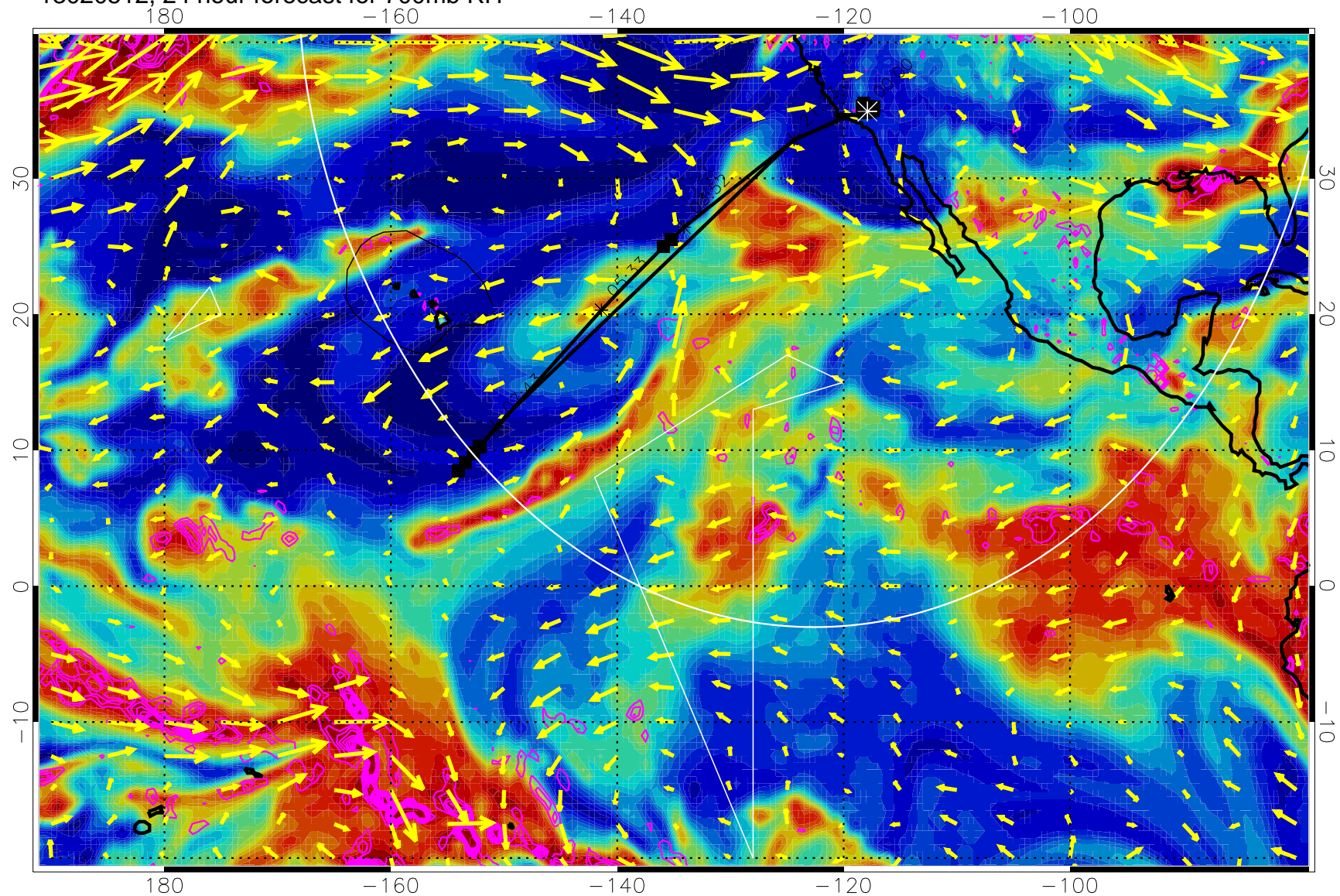
Negative Omegas less than  $-.3$ , contours of  $.3$  Pa/s

## EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13020512, 24 hour forecast for 700mb RH



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

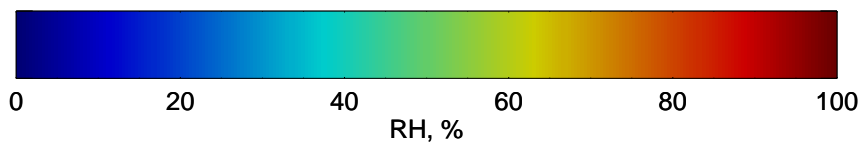
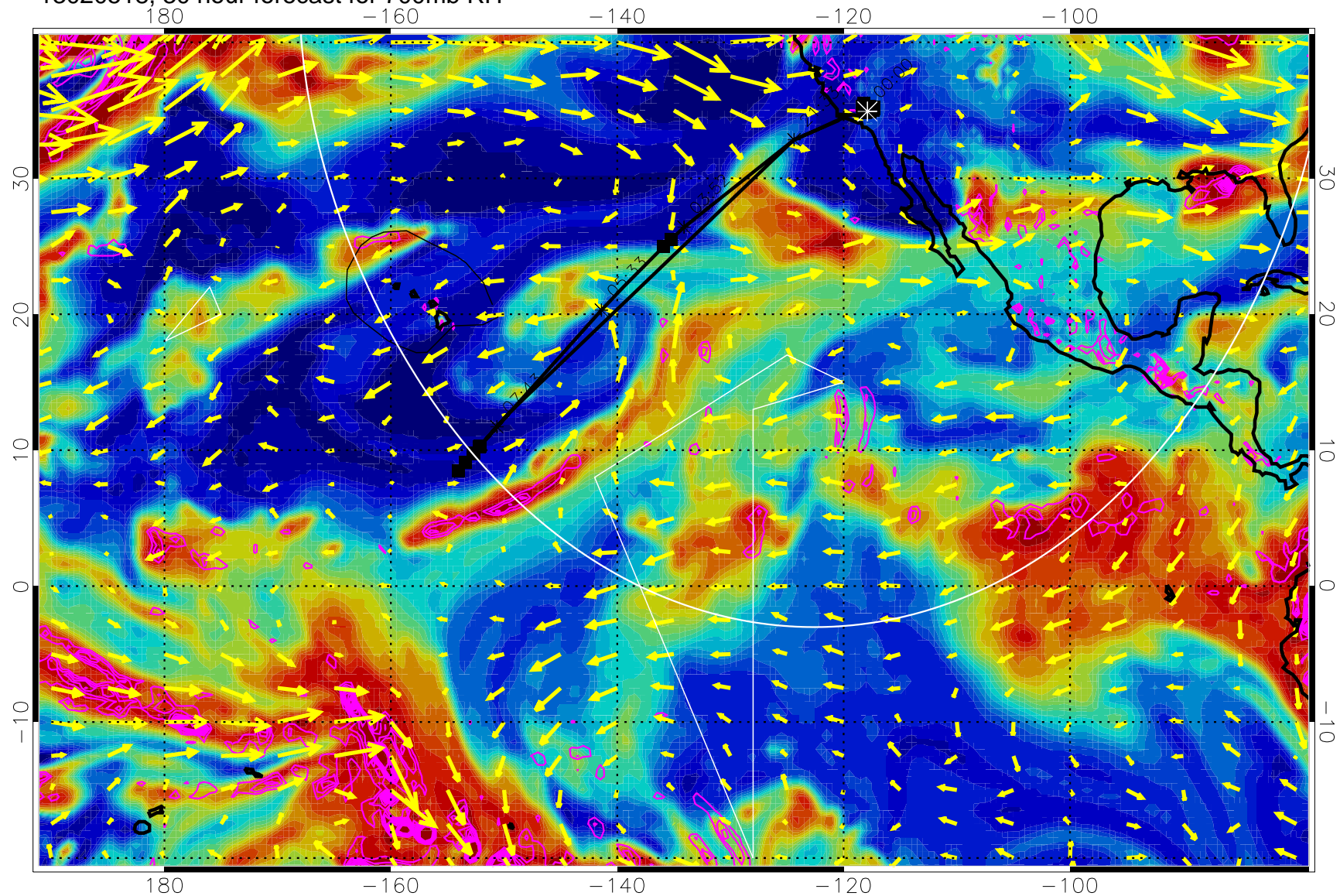
EPV Tropopause (2 PVU) Position

→ 30 m/s

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



13020518, 30 hour forecast for 700mb RH



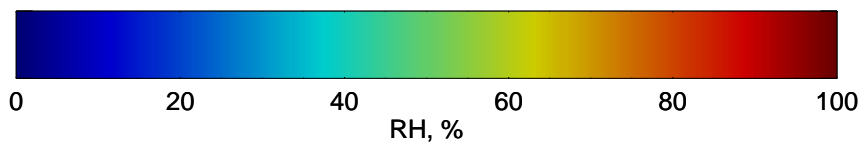
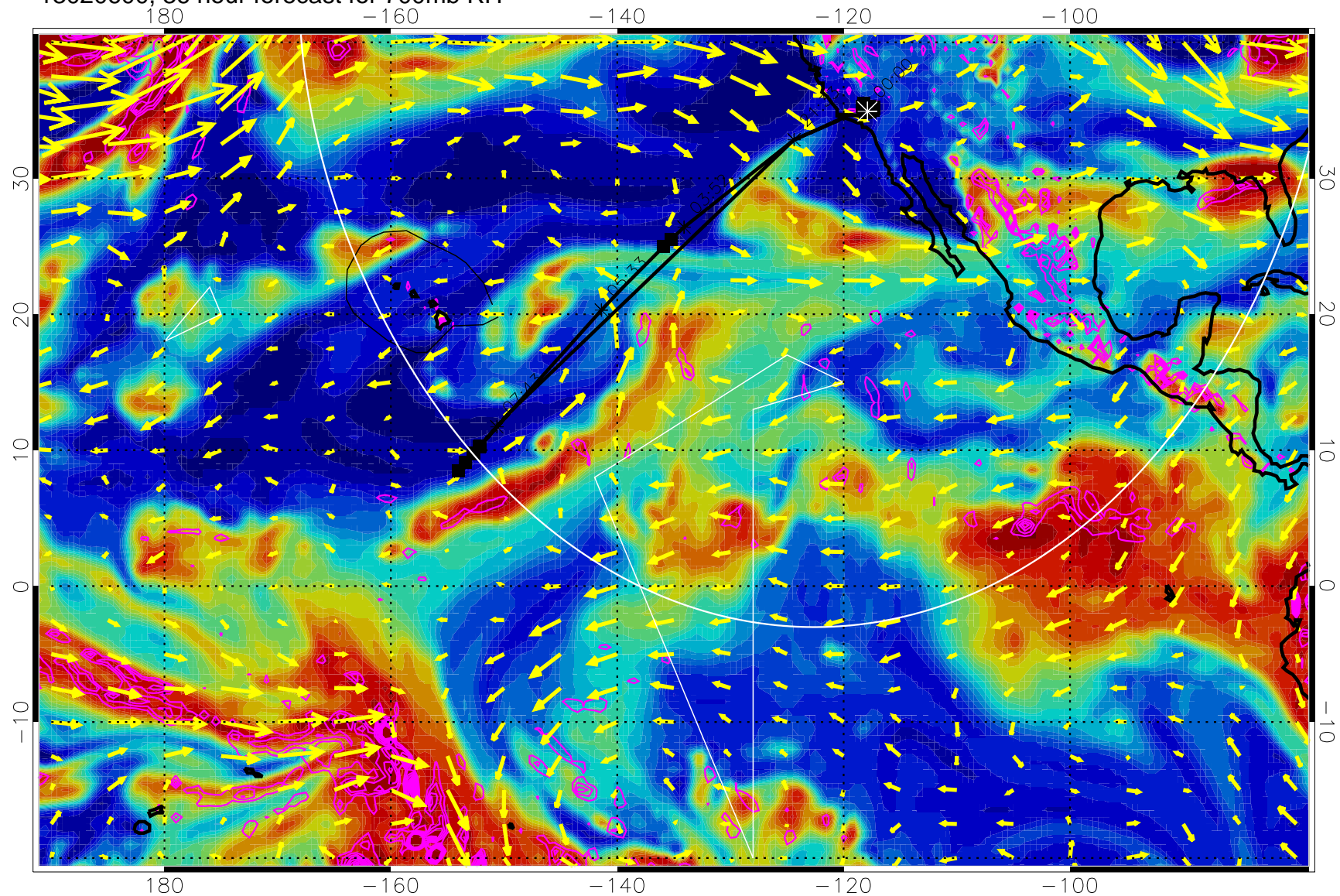
Negative Omegas less than  $-.3$ , contours of  $.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13020600, 36 hour forecast for 700mb RH



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

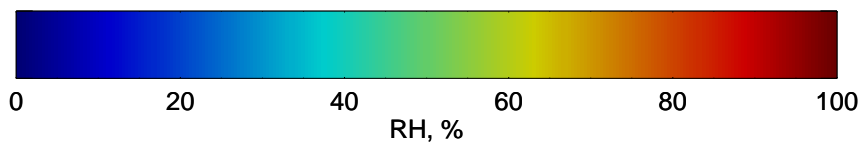
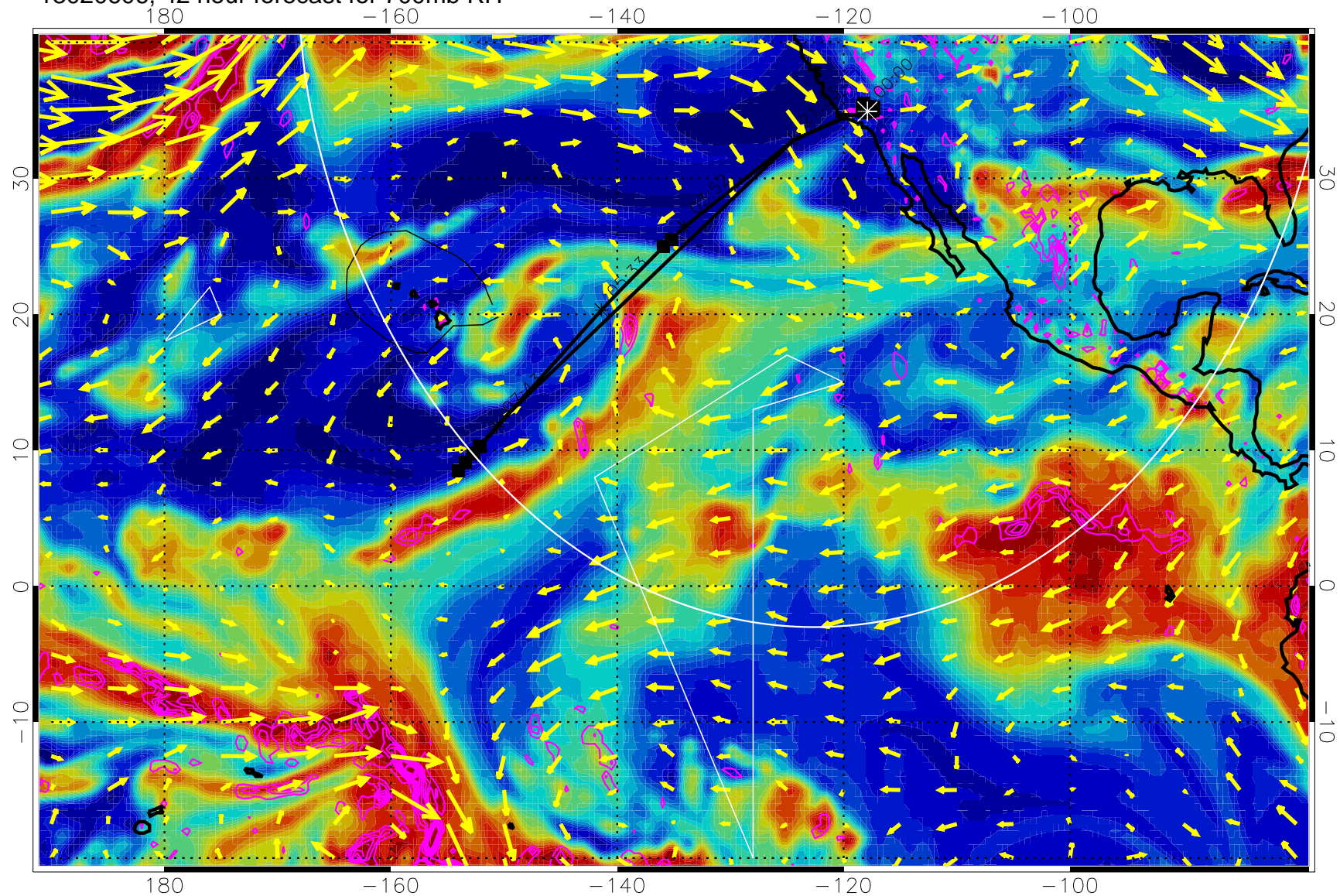
EPV Tropopause (2 PVU) Position

→ 30 m/s

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



13020606, 42 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

180	-160	-140	-120	-100
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Negative Omegas less than  $-.3$ , contours of  $.3$  Pa/s

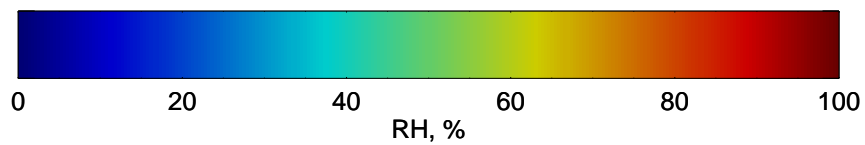
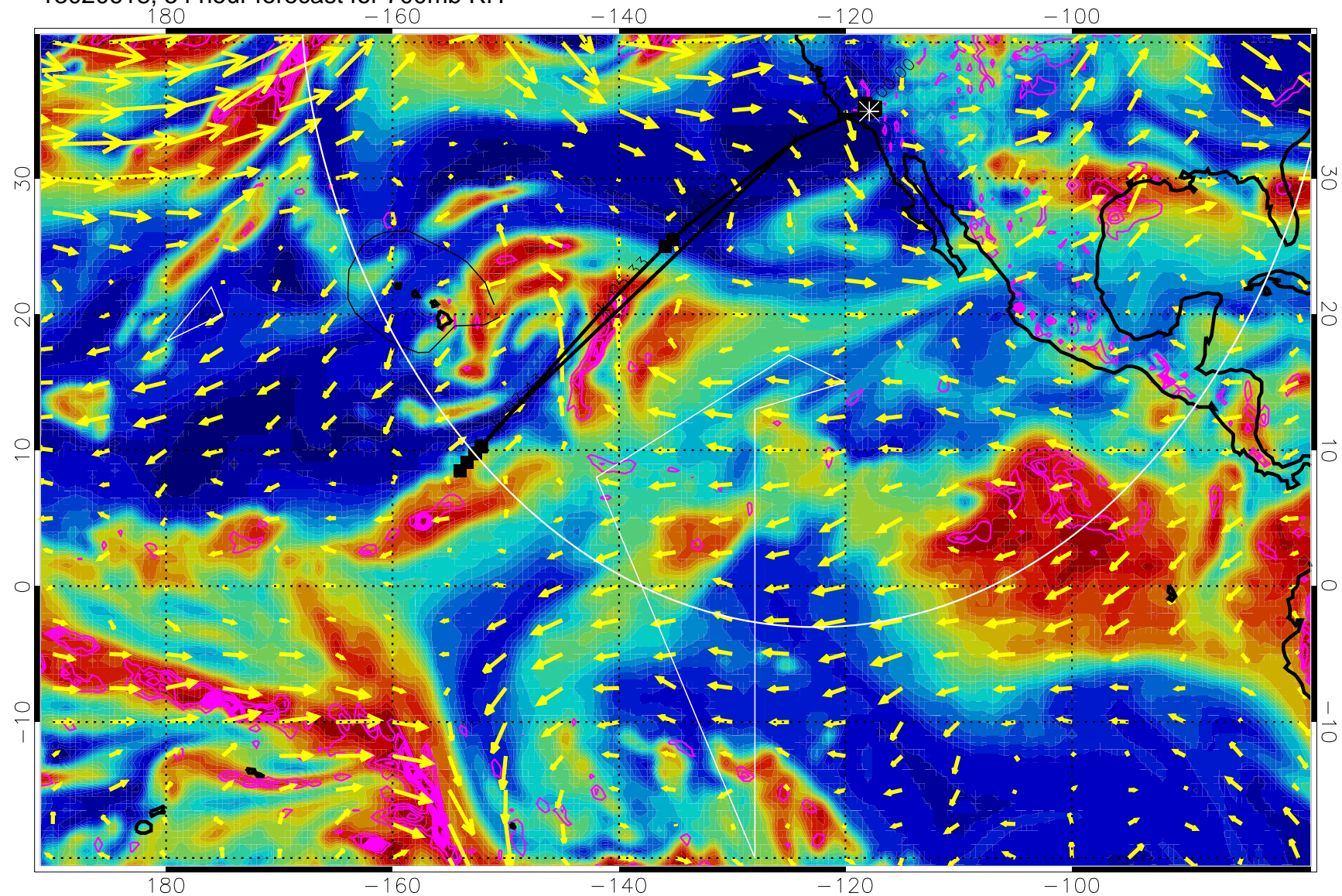
## EPV Tropopause (2 PVU) Position

→ 30 m/s

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



13020618, 54 hour forecast for 700mb RH



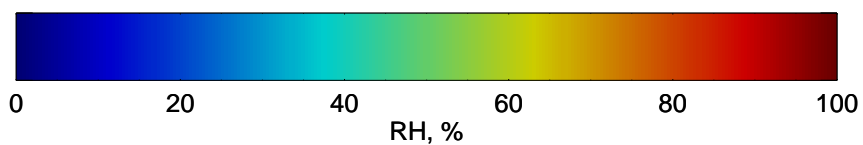
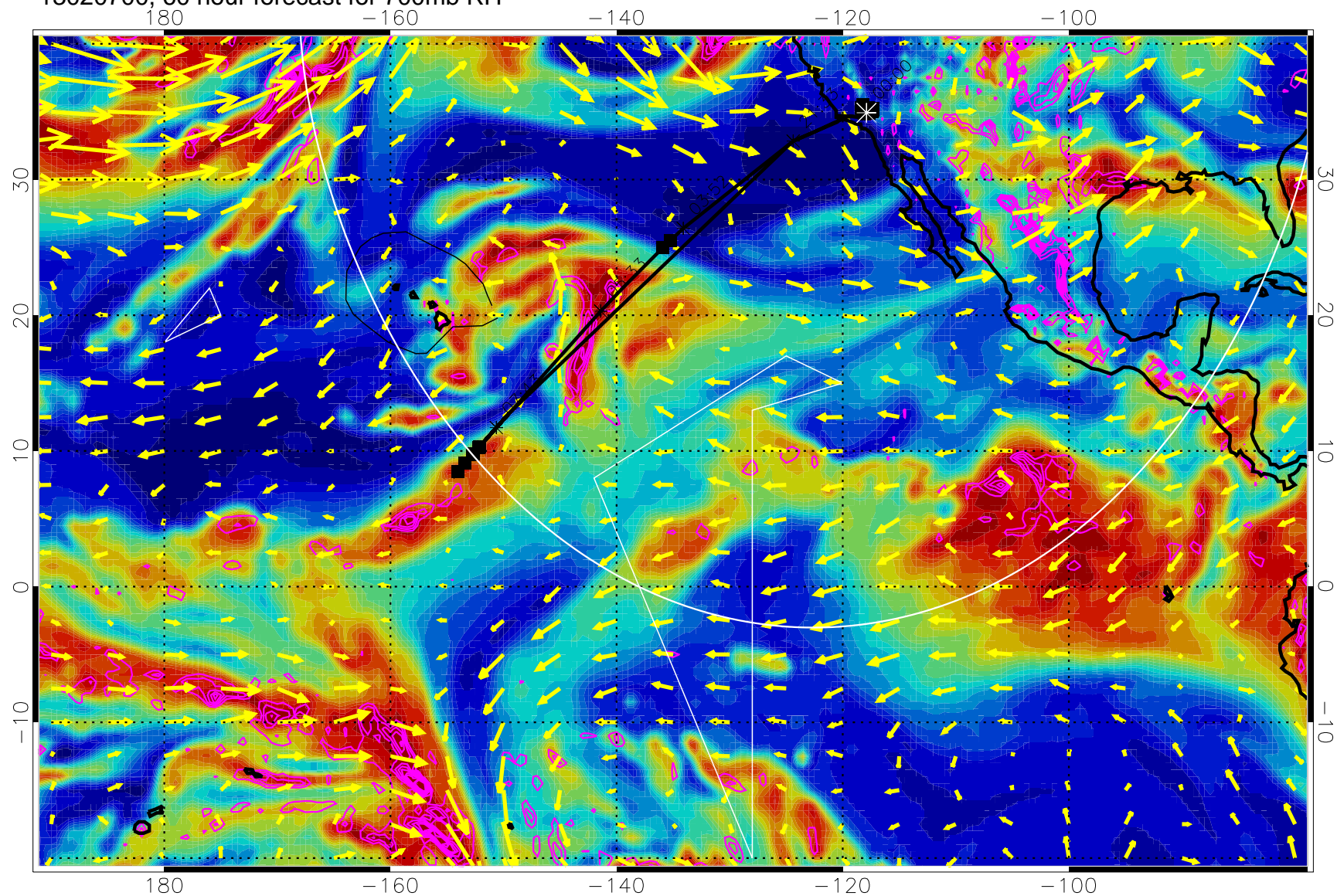
Negative Omegas less than  $-.3$ , contours of  $.3$  Pa/s

EPV Tropopause ( $2$  PVU) Position

→ 30 m/s

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

13020700, 60 hour forecast for 700mb RH



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

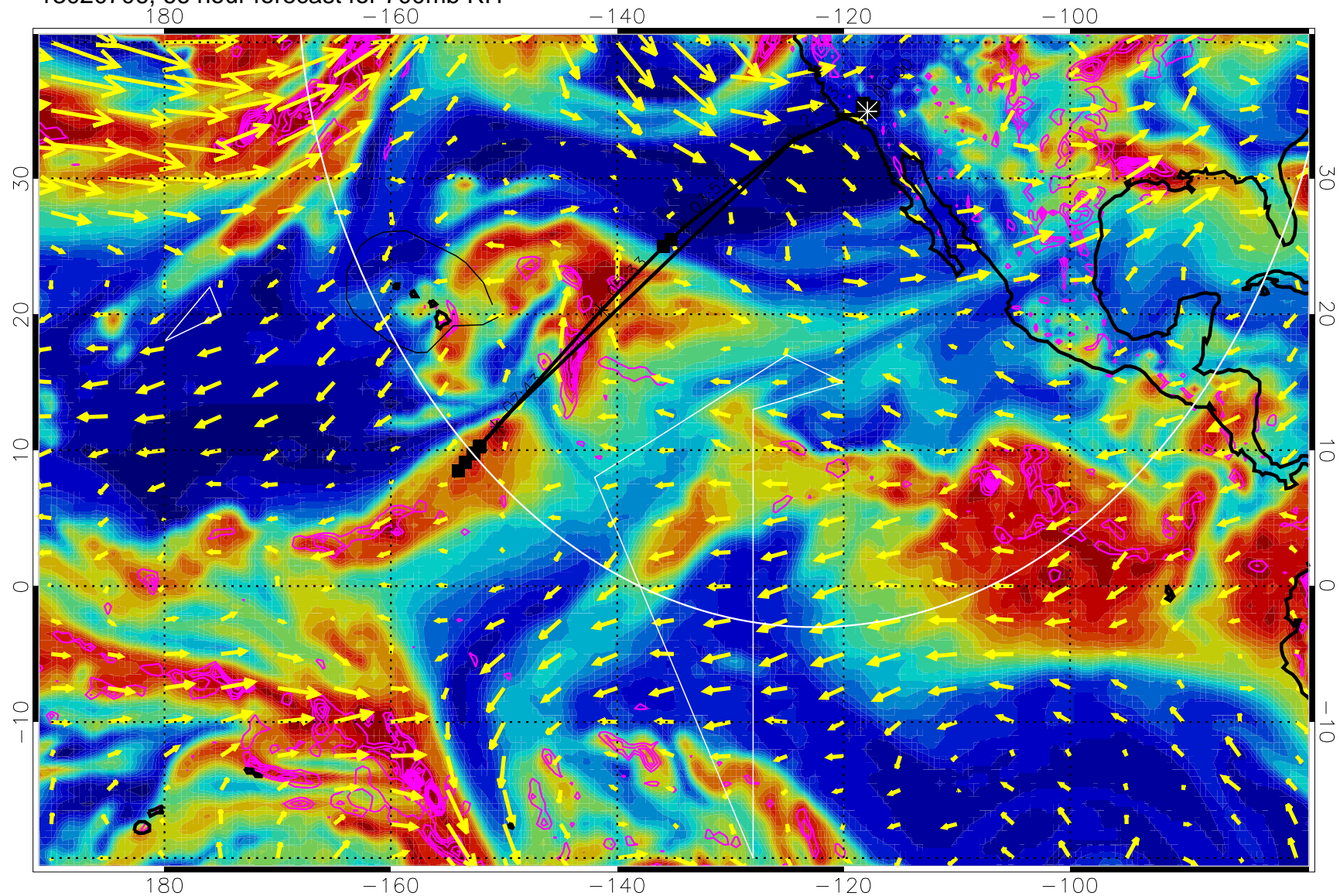
EPV Tropopause (2 PVU) Position

→ 30 m/s

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



13020706, 66 hour forecast for 700mb RH



0 20 40 60 80 100  
RH, %

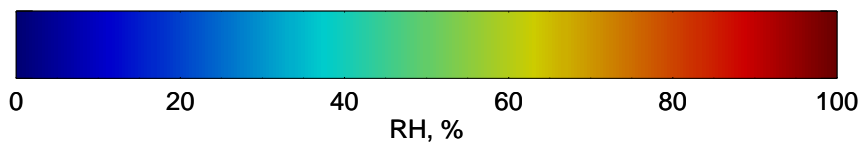
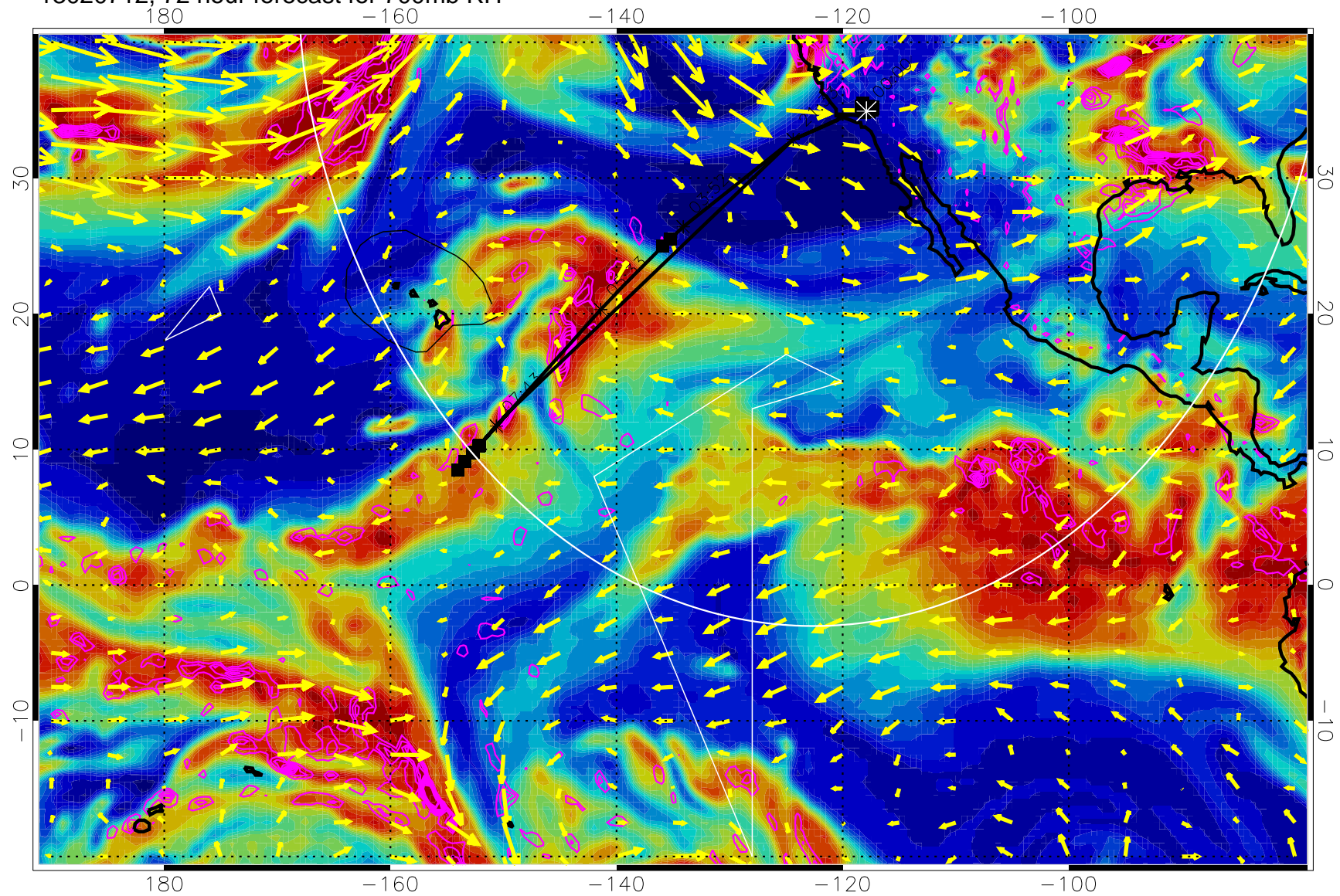
Negative Omegas less than  $-.3$ , contours of  $.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13020712, 72 hour forecast for 700mb RH



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

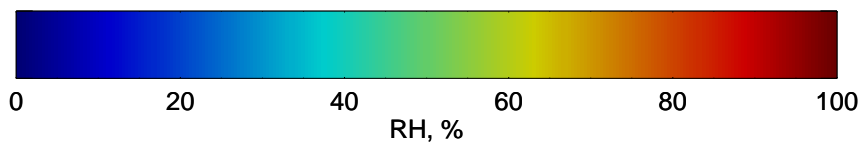
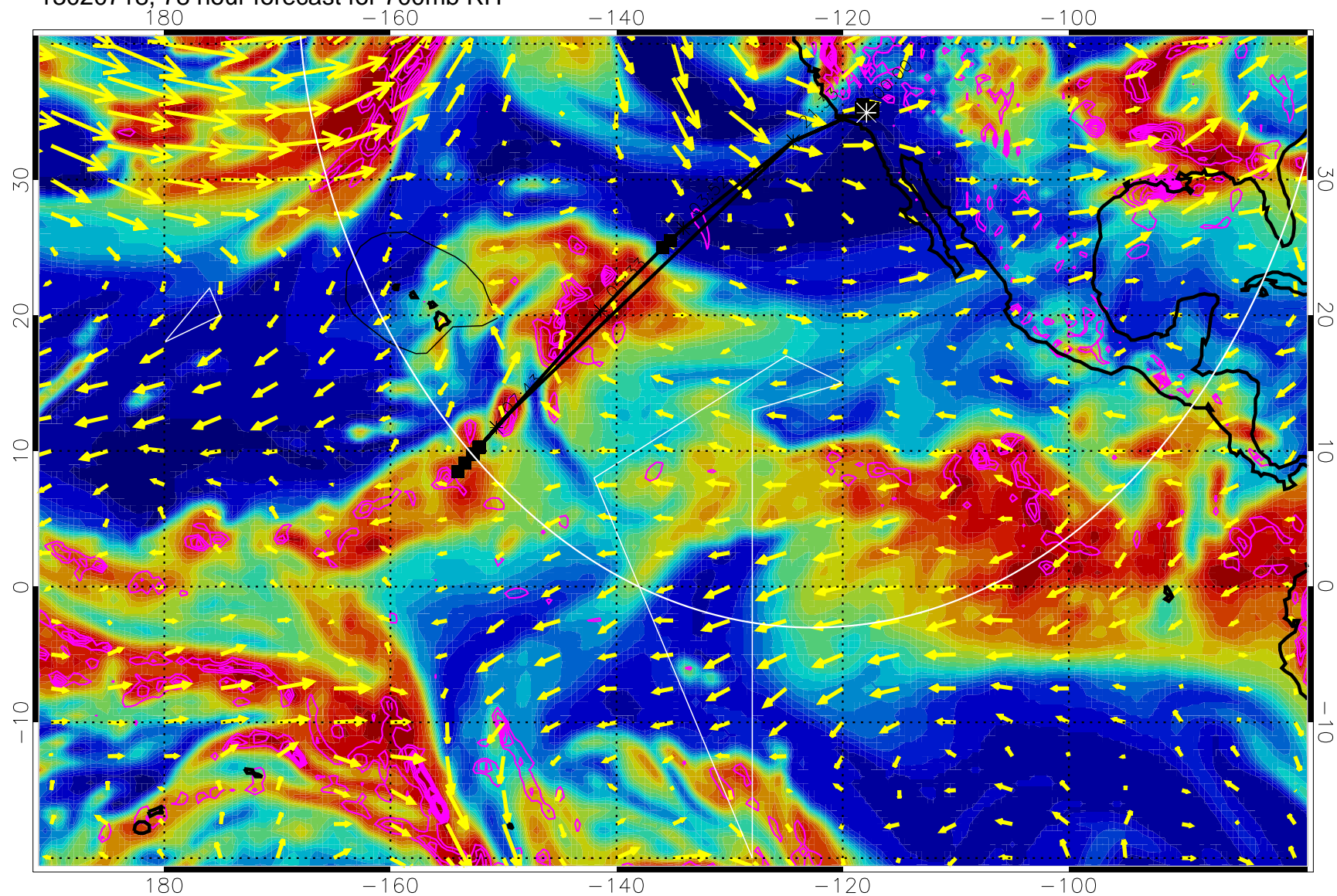
EPV Tropopause (2 PVU) Position

→ 30 m/s

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



13020718, 78 hour forecast for 700mb RH



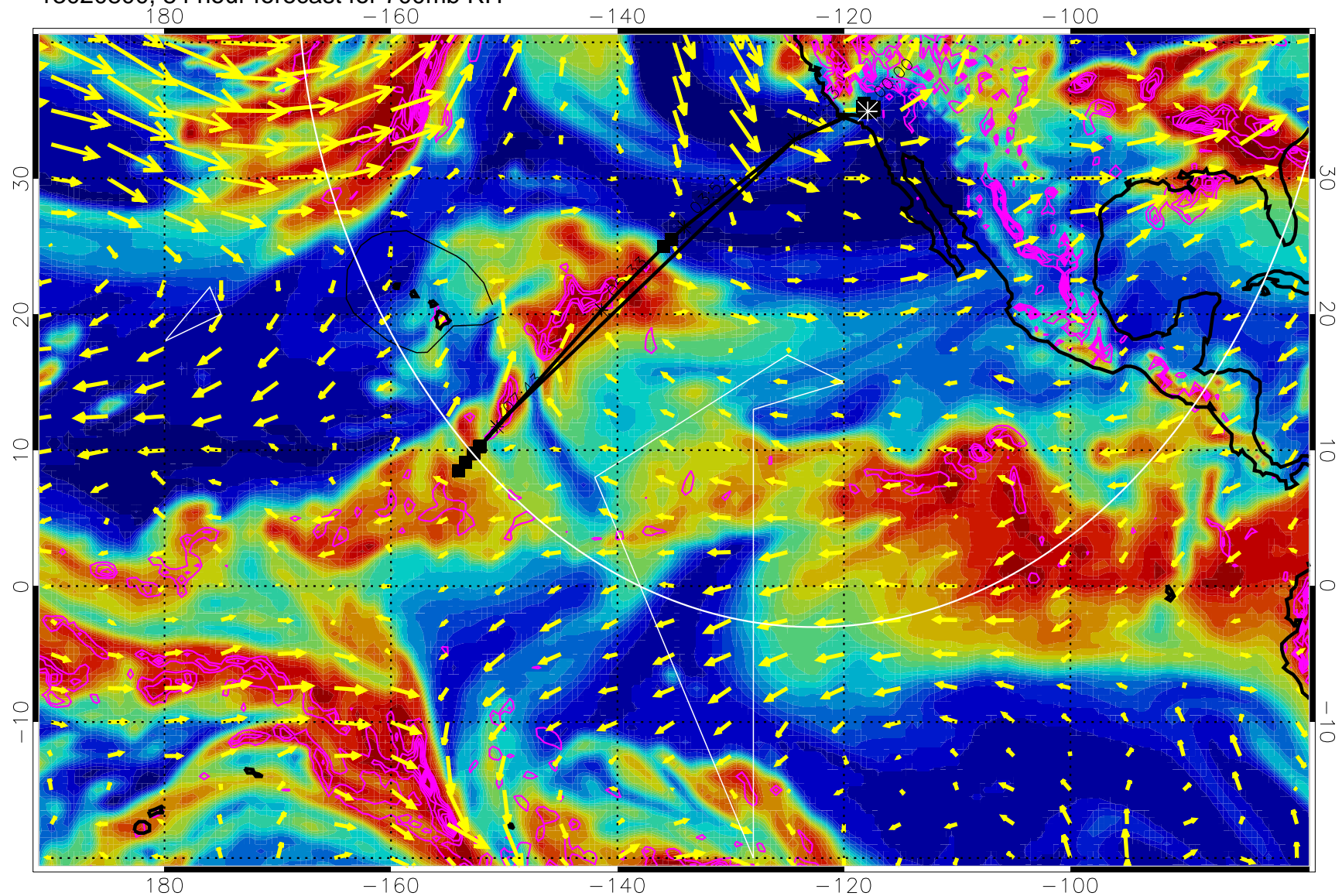
Negative Omegas less than  $-0.3$ , contours of  $0.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13020800, 84 hour forecast for 700mb RH



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

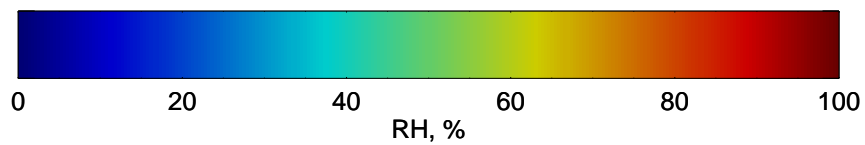
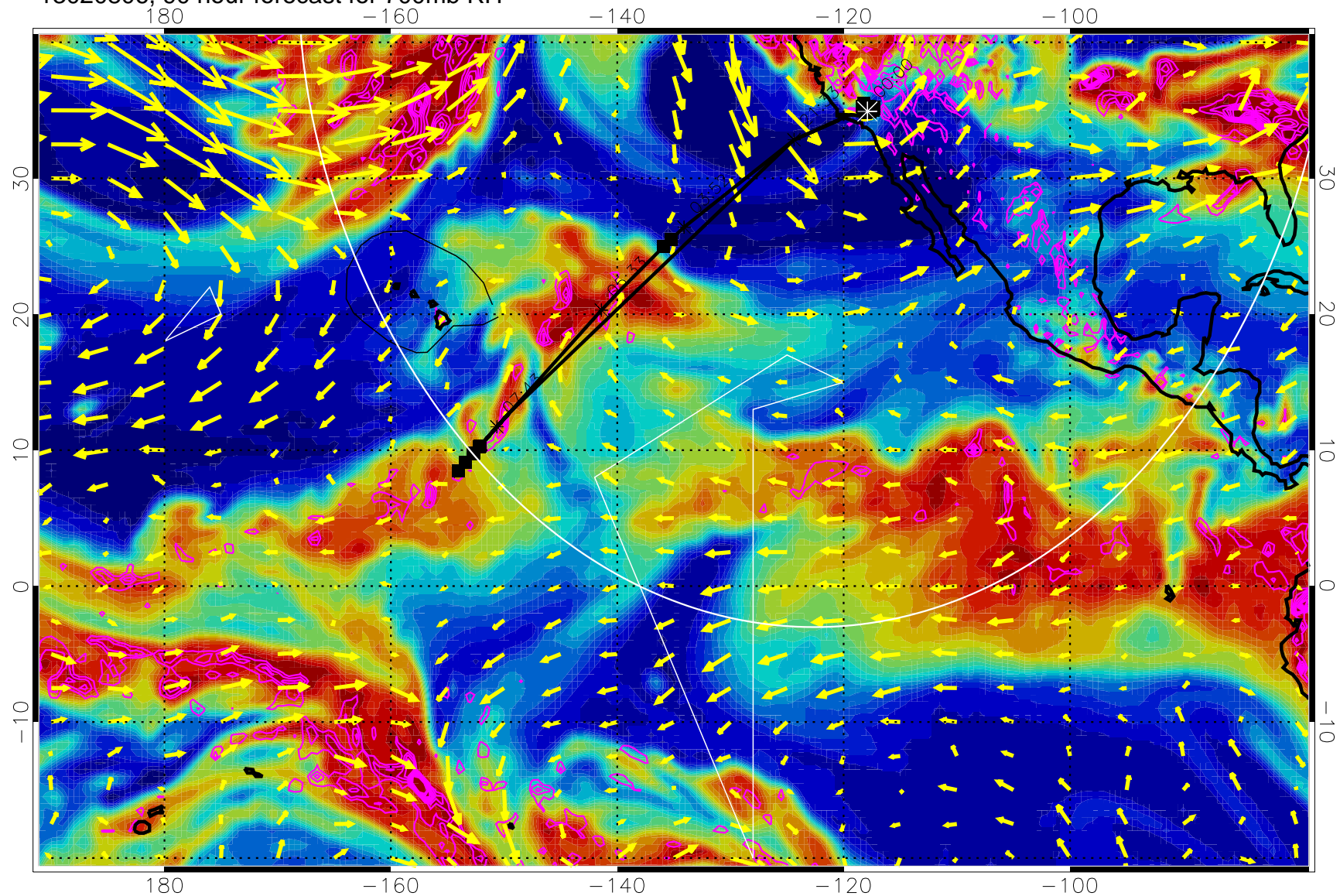
EPV Tropopause (2 PVU) Position

→ 30 m/s

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



13020806, 90 hour forecast for 700mb RH



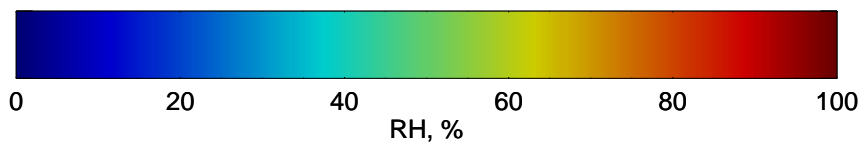
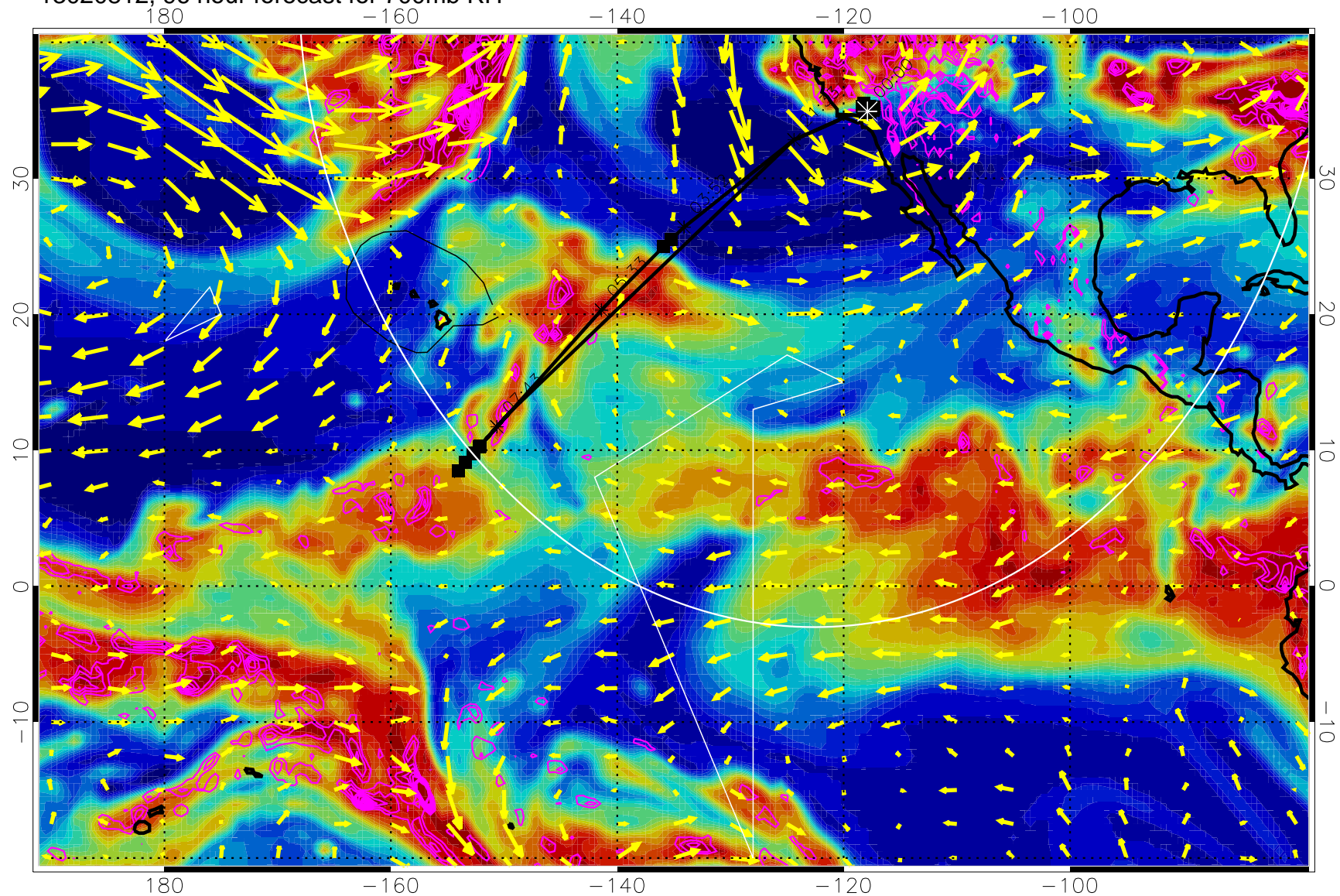
Negative Omegas less than  $-.3$ , contours of  $.3$  Pa/s

EPV Tropopause (2 PVU) Position

→ 30 m/s

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

13020812, 96 hour forecast for 700mb RH



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

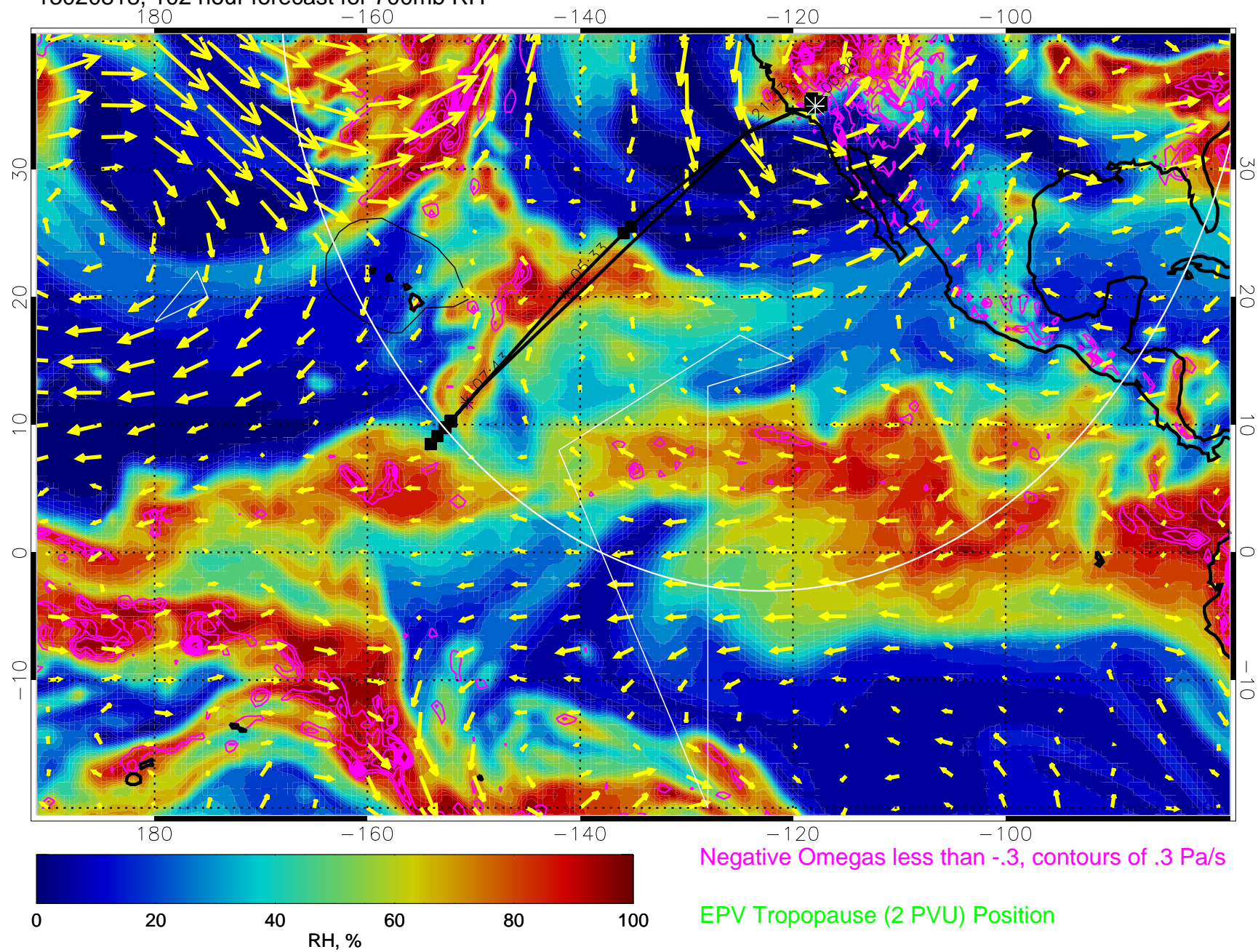
EPV Tropopause (2 PVU) Position

→ 30 m/s

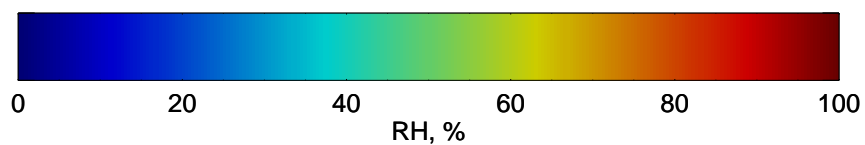
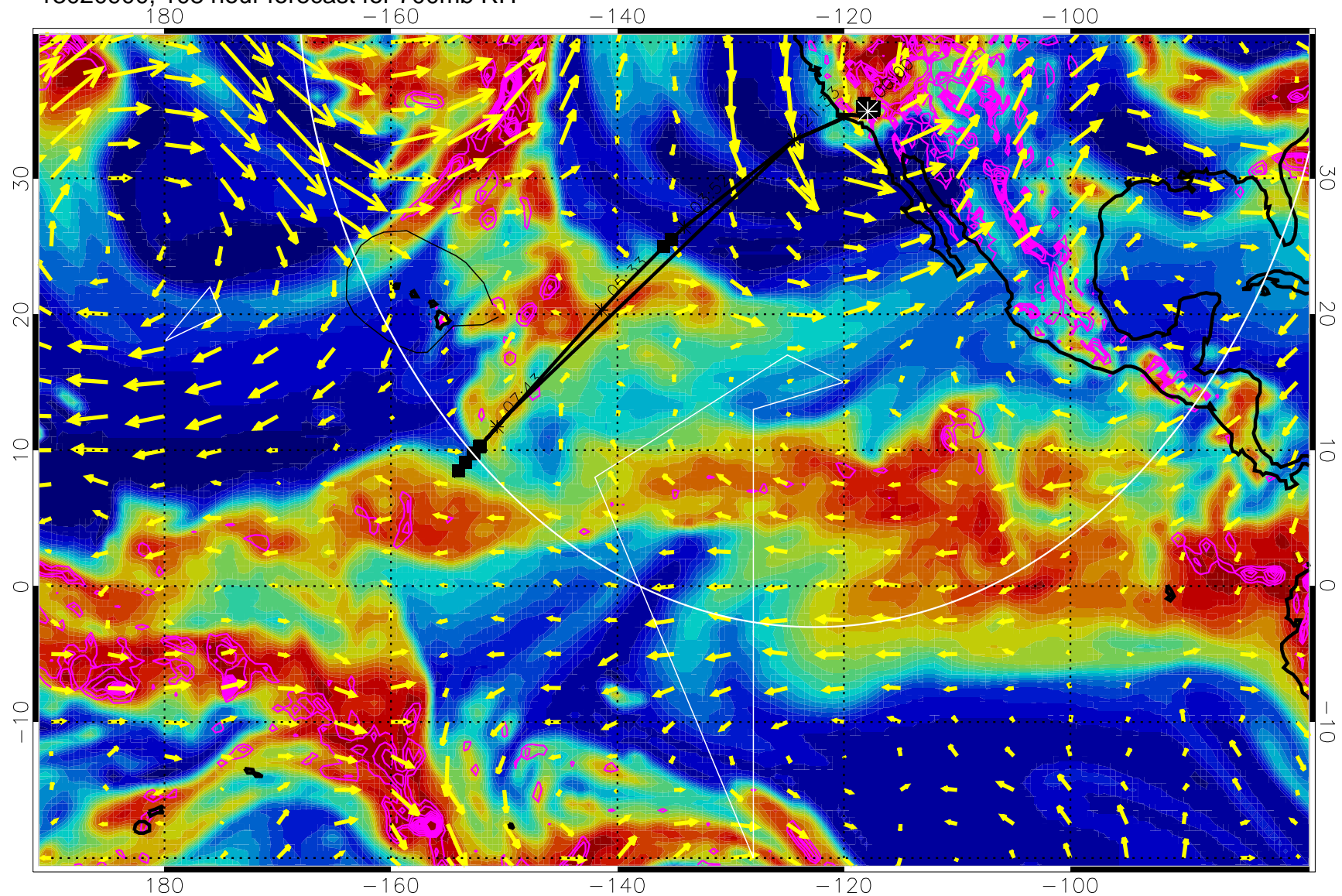
Range ring of 4055 km -- 13 hours GH round trip



13020818, 102 hour forecast for 700mb RH



13020900, 108 hour forecast for 700mb RH



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

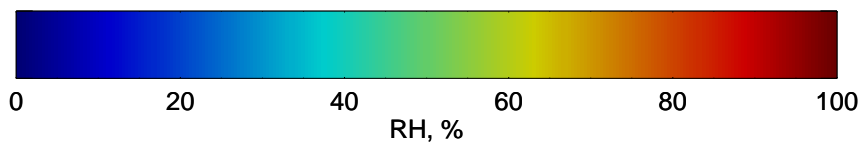
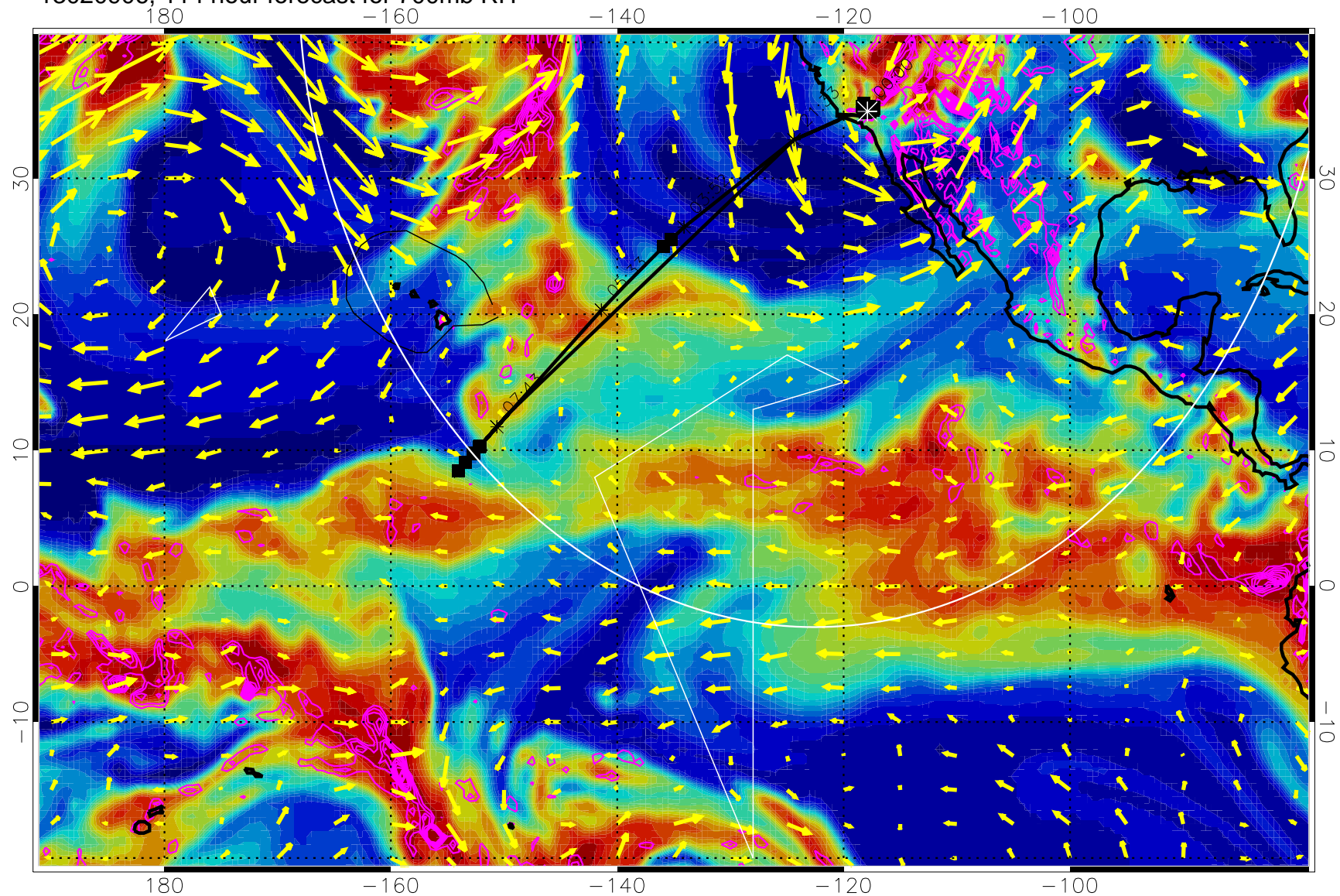
EPV Tropopause ( $2$  PVU) Position

→ 30 m/s

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



13020906, 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

13020912, 120 hour forecast for 700mb RH

