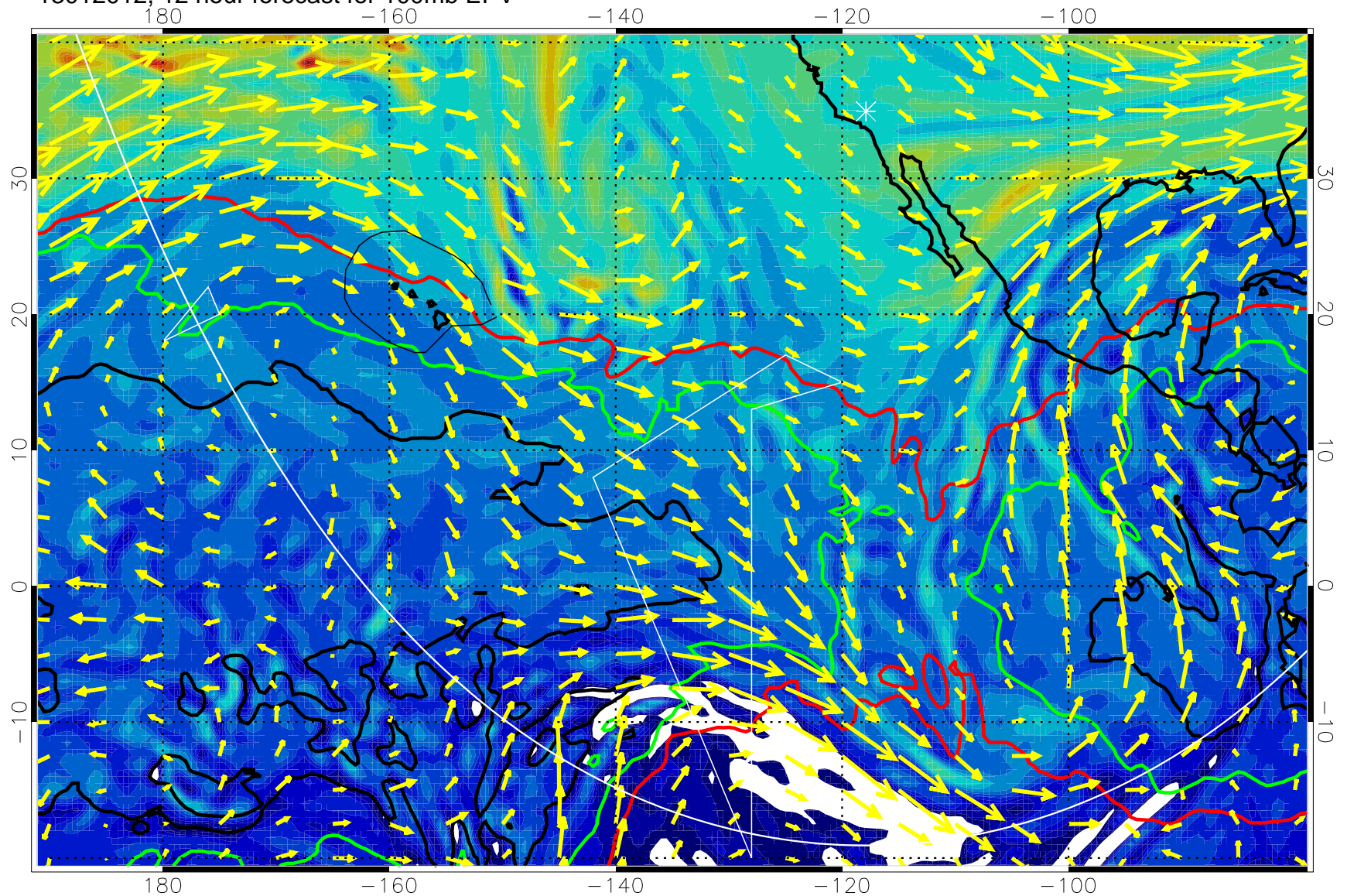


13012012, 12 hour forecast for 100mb EPV

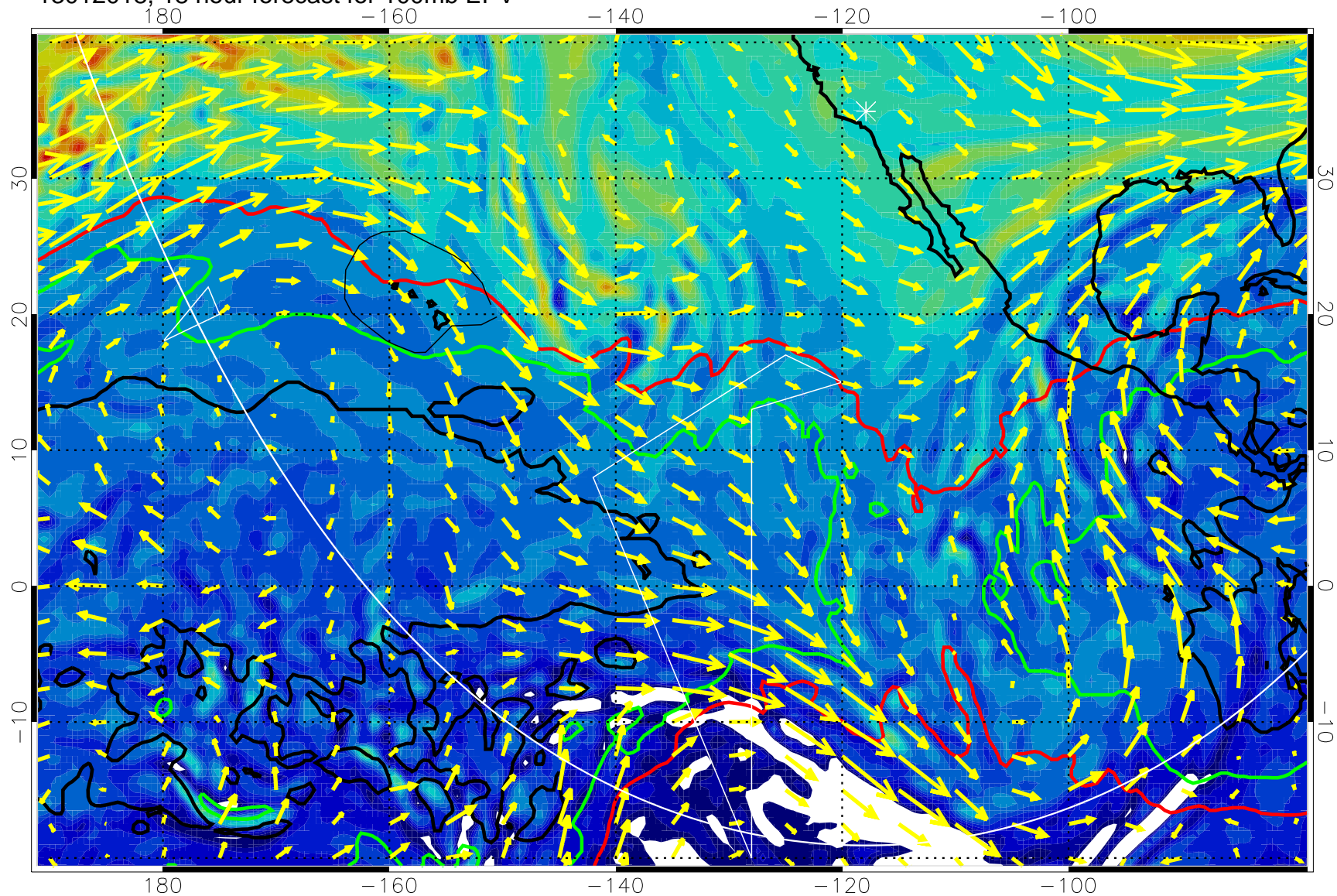


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012018, 18 hour forecast for 100mb EPV



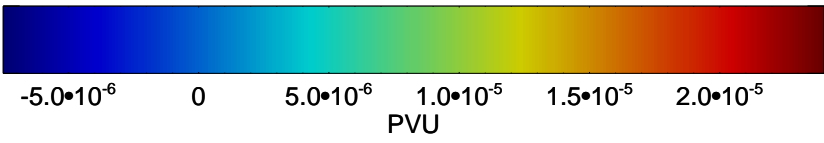
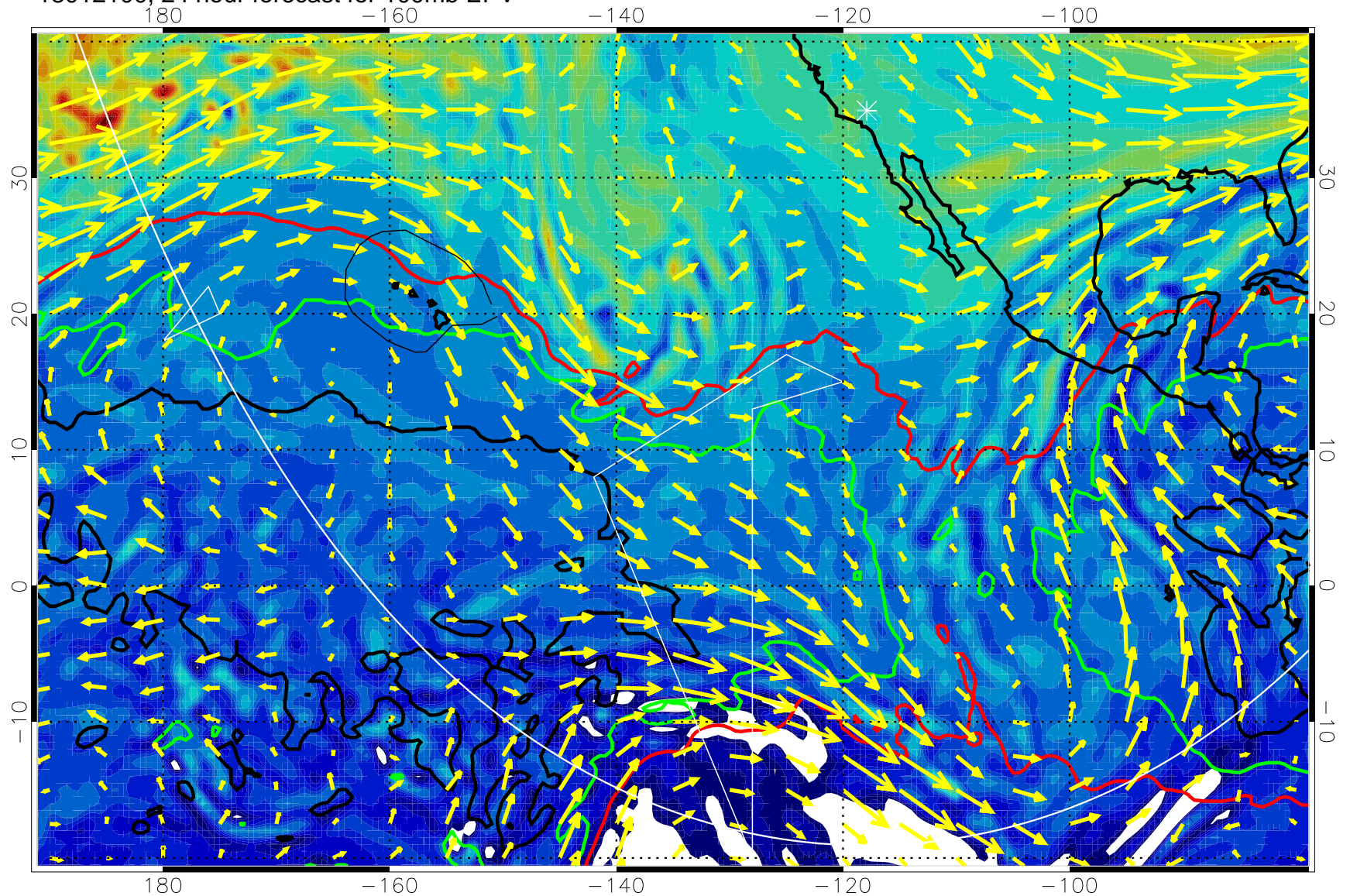
190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip



13012100, 24 hour forecast for 100mb EPV

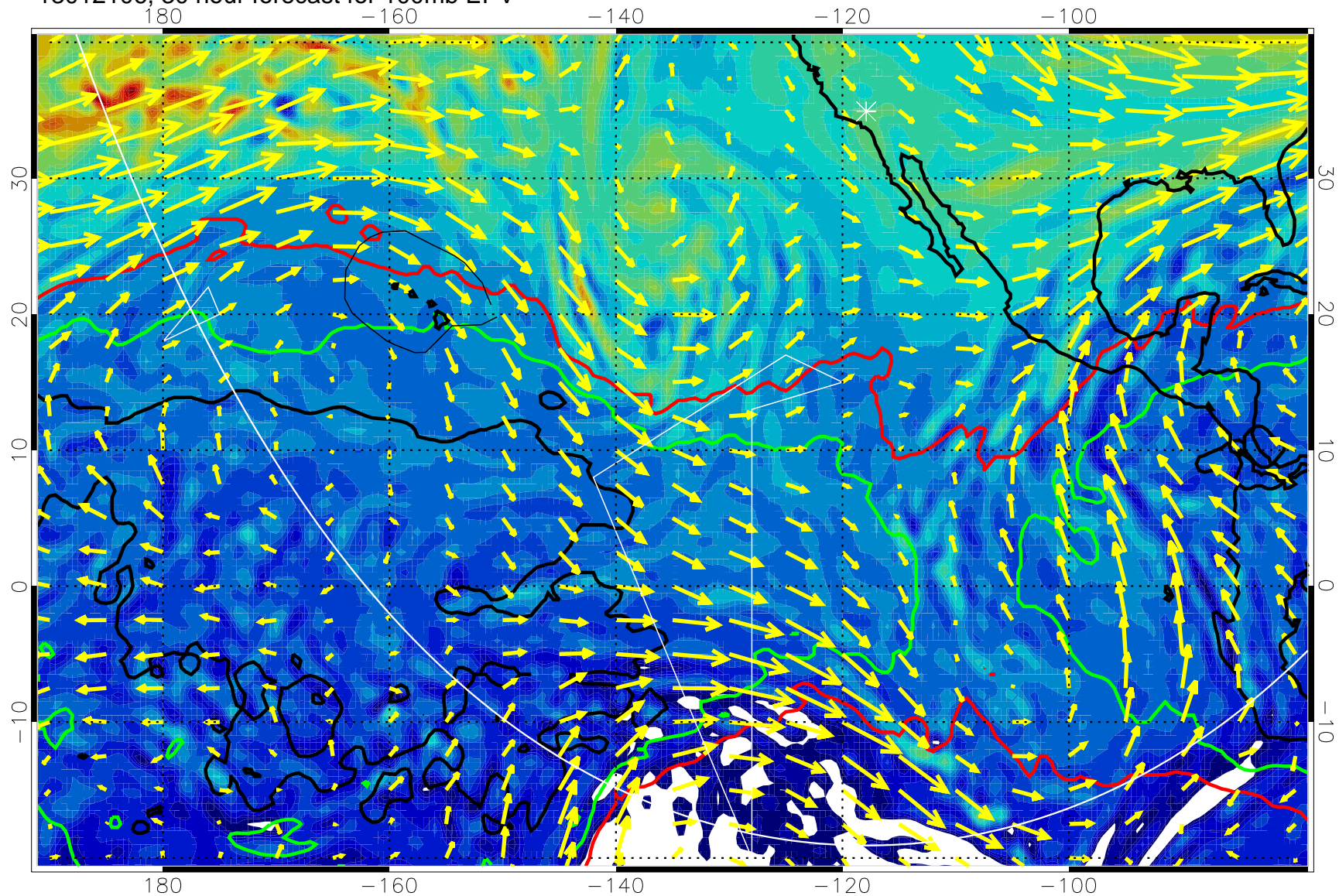


190K Isotherm    192.5K Isotherm    195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012106, 30 hour forecast for 100mb EPV



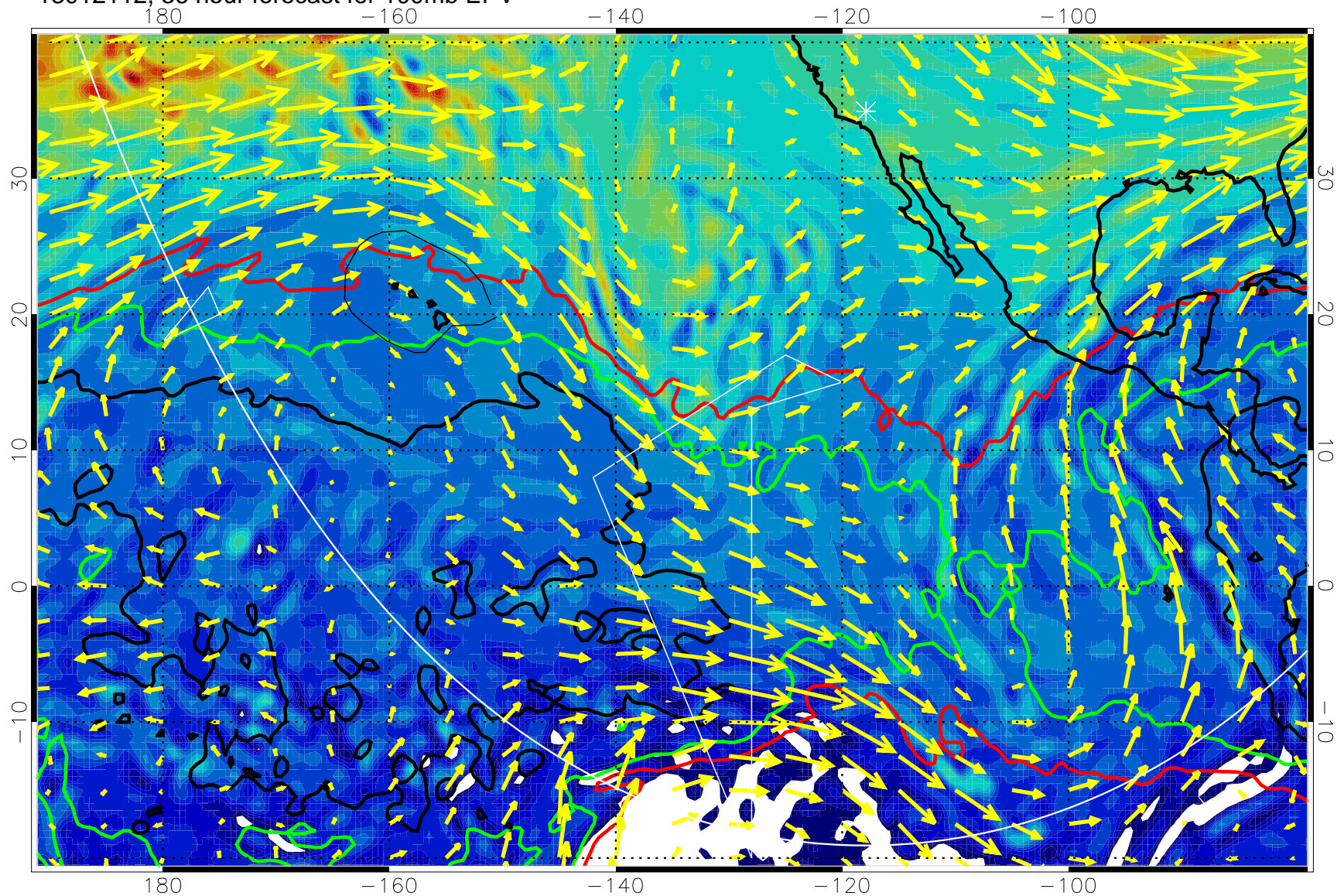
190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip



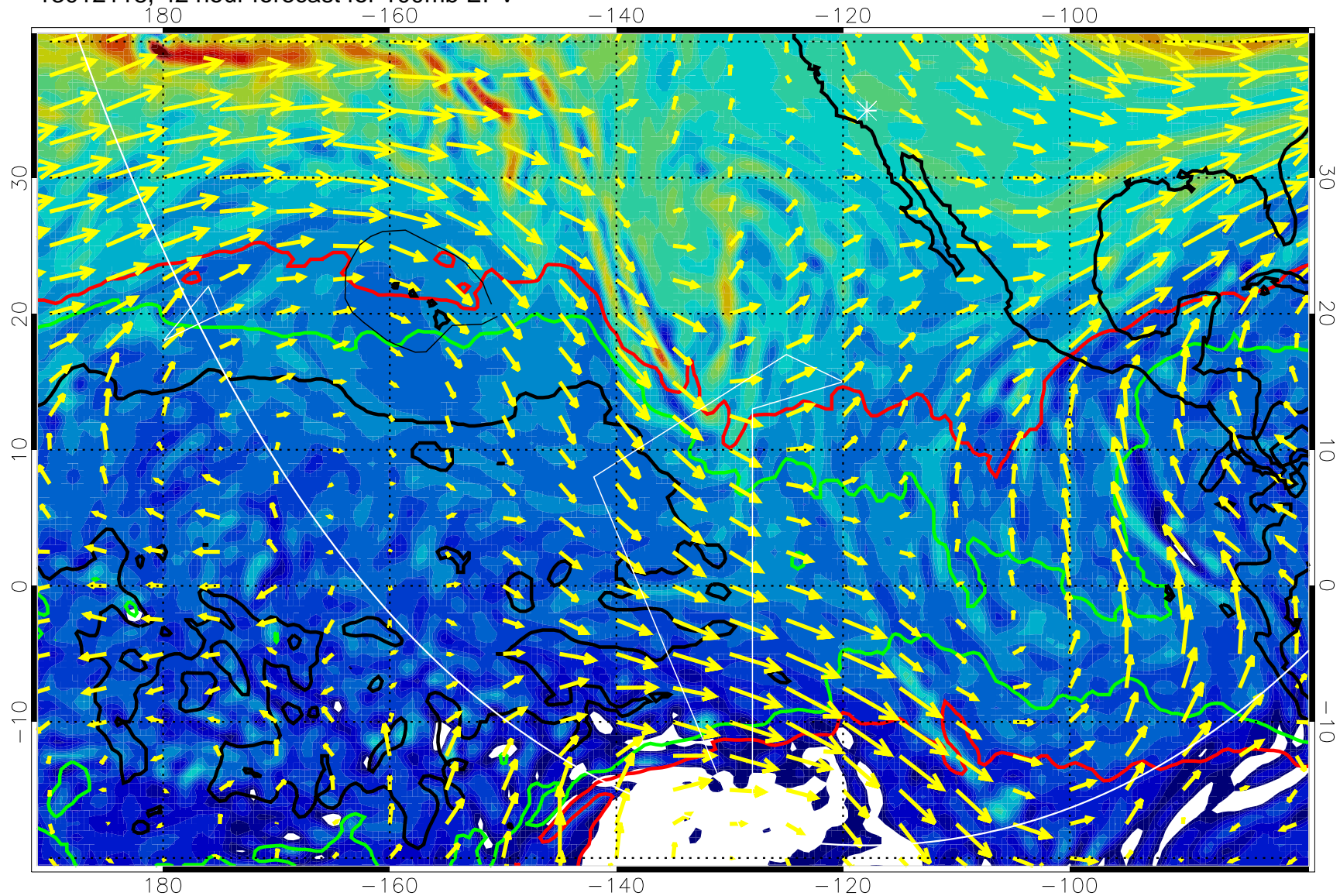
13012112, 36 hour forecast for 100mb EPV



190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s  
Range ring of 6000 km -- 19 hours GH round trip

13012118, 42 hour forecast for 100mb EPV



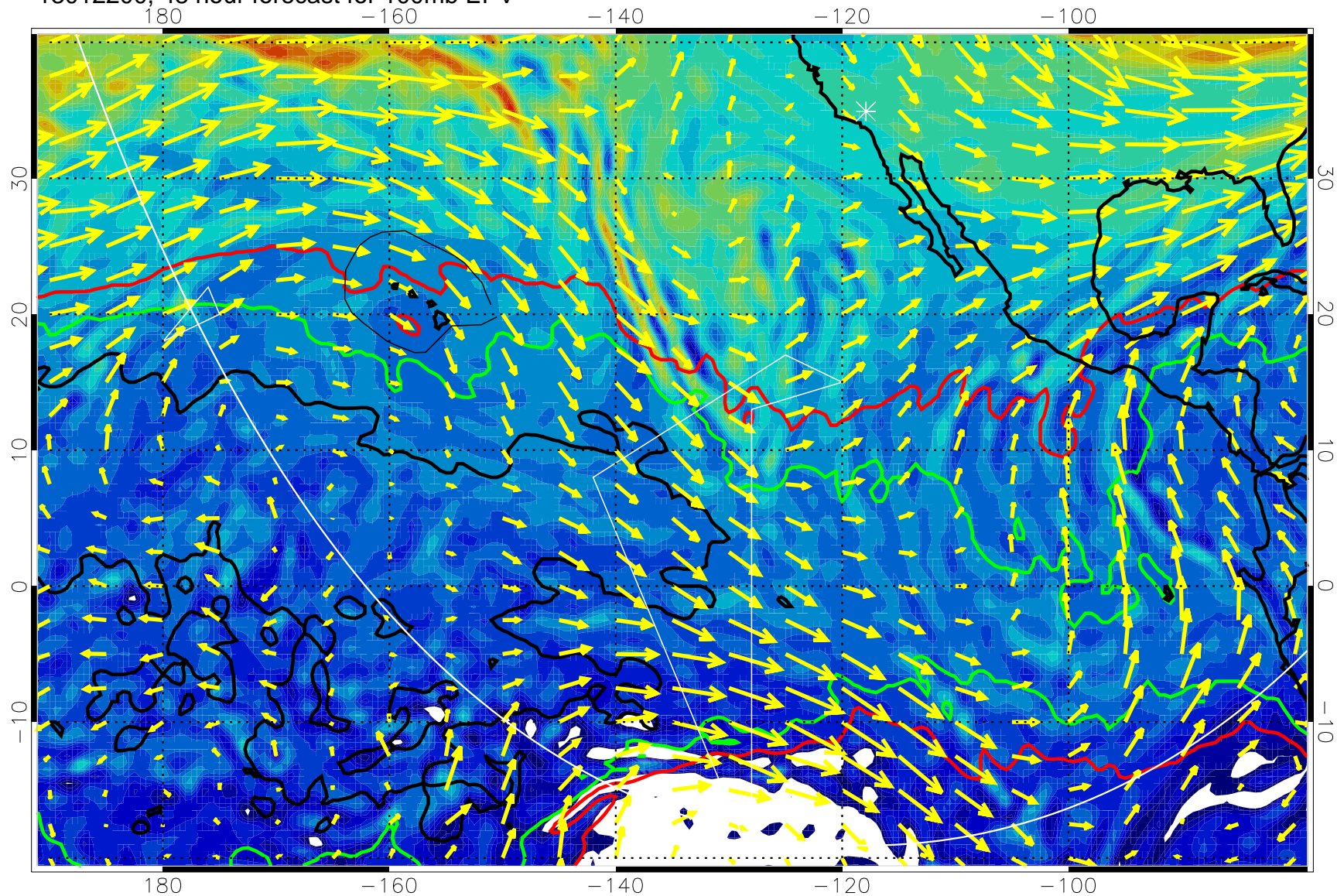
190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip



13012200, 48 hour forecast for 100mb EPV

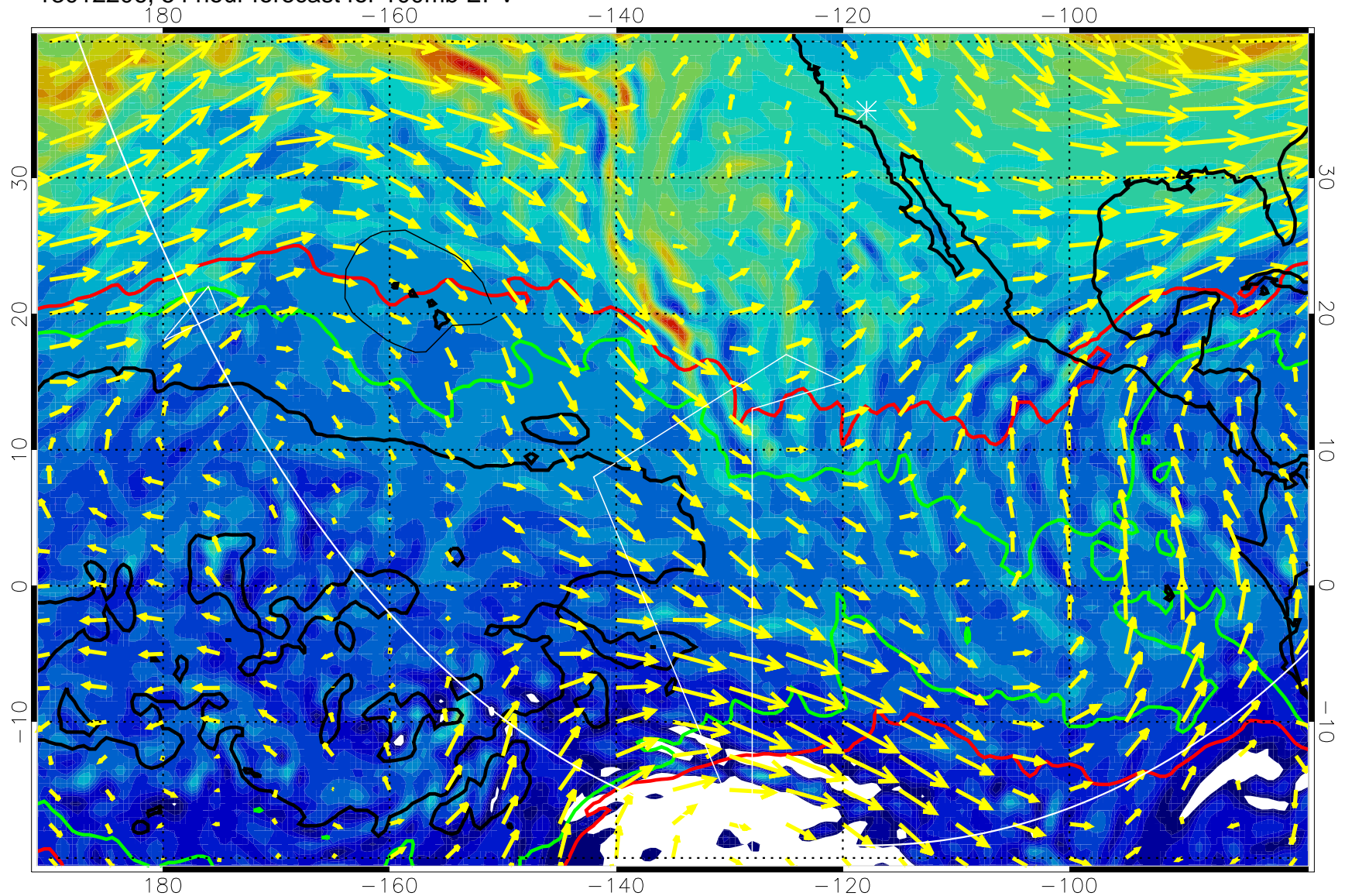


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012206, 54 hour forecast for 100mb EPV



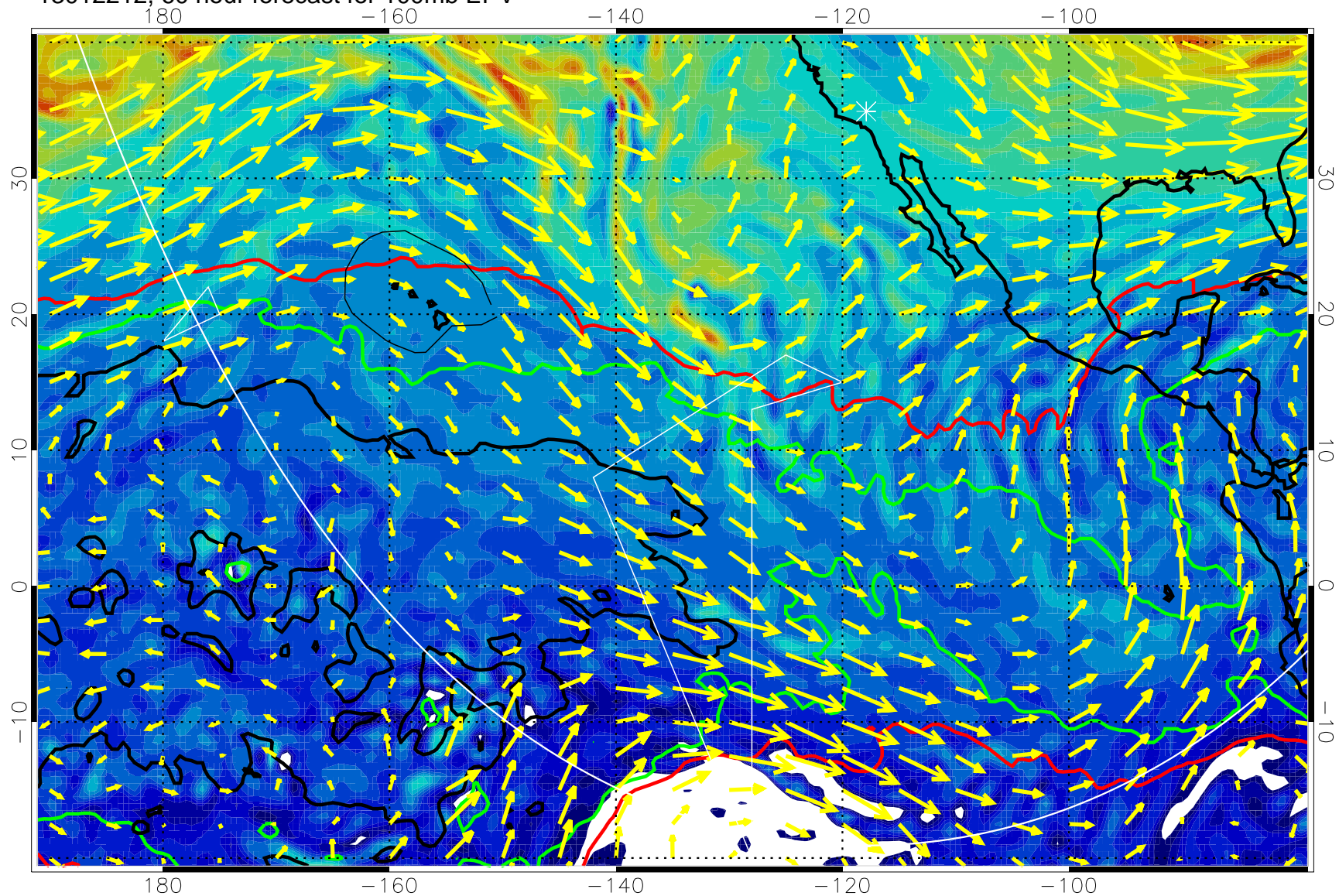
190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip



13012212, 60 hour forecast for 100mb EPV

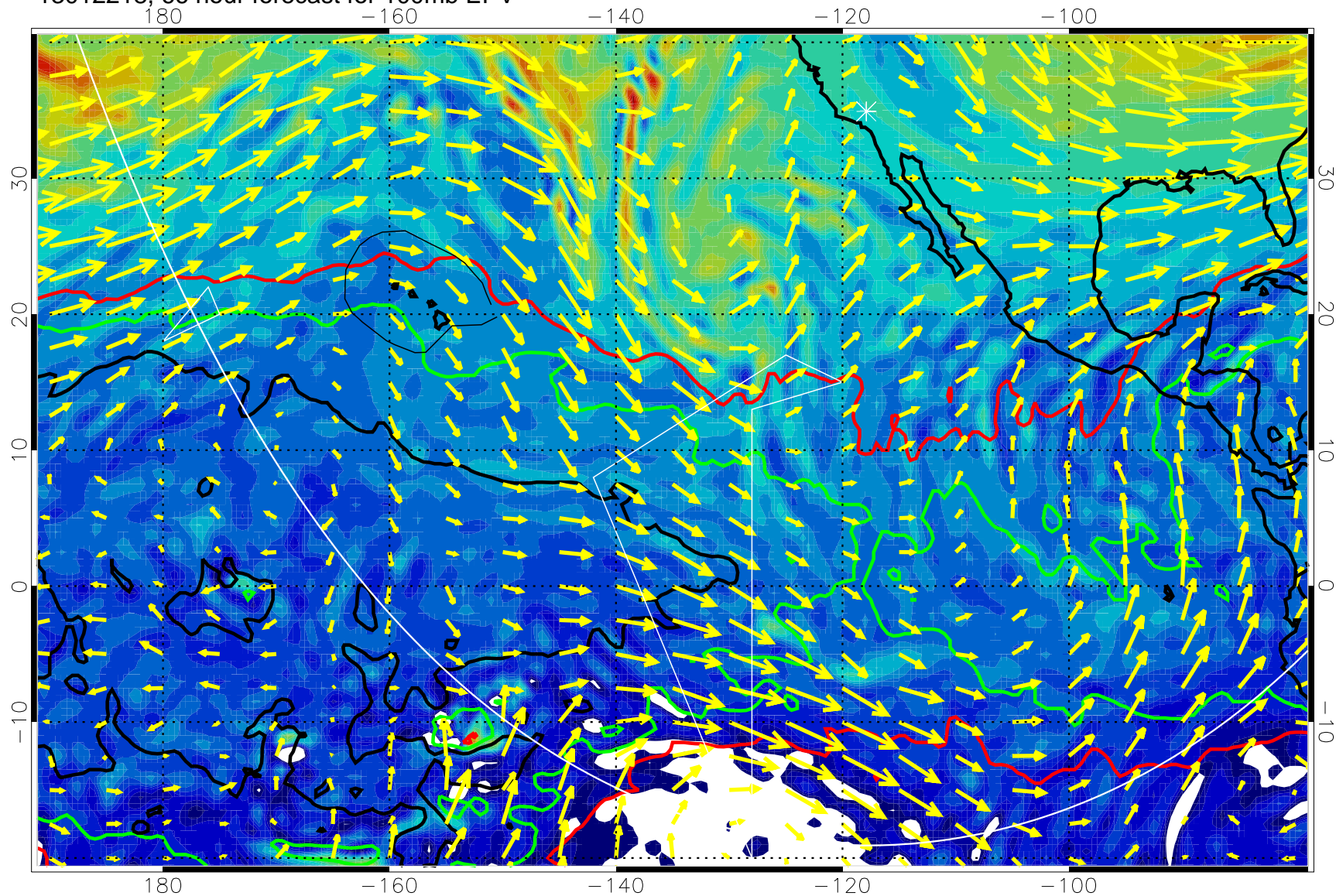


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012218, 66 hour forecast for 100mb EPV

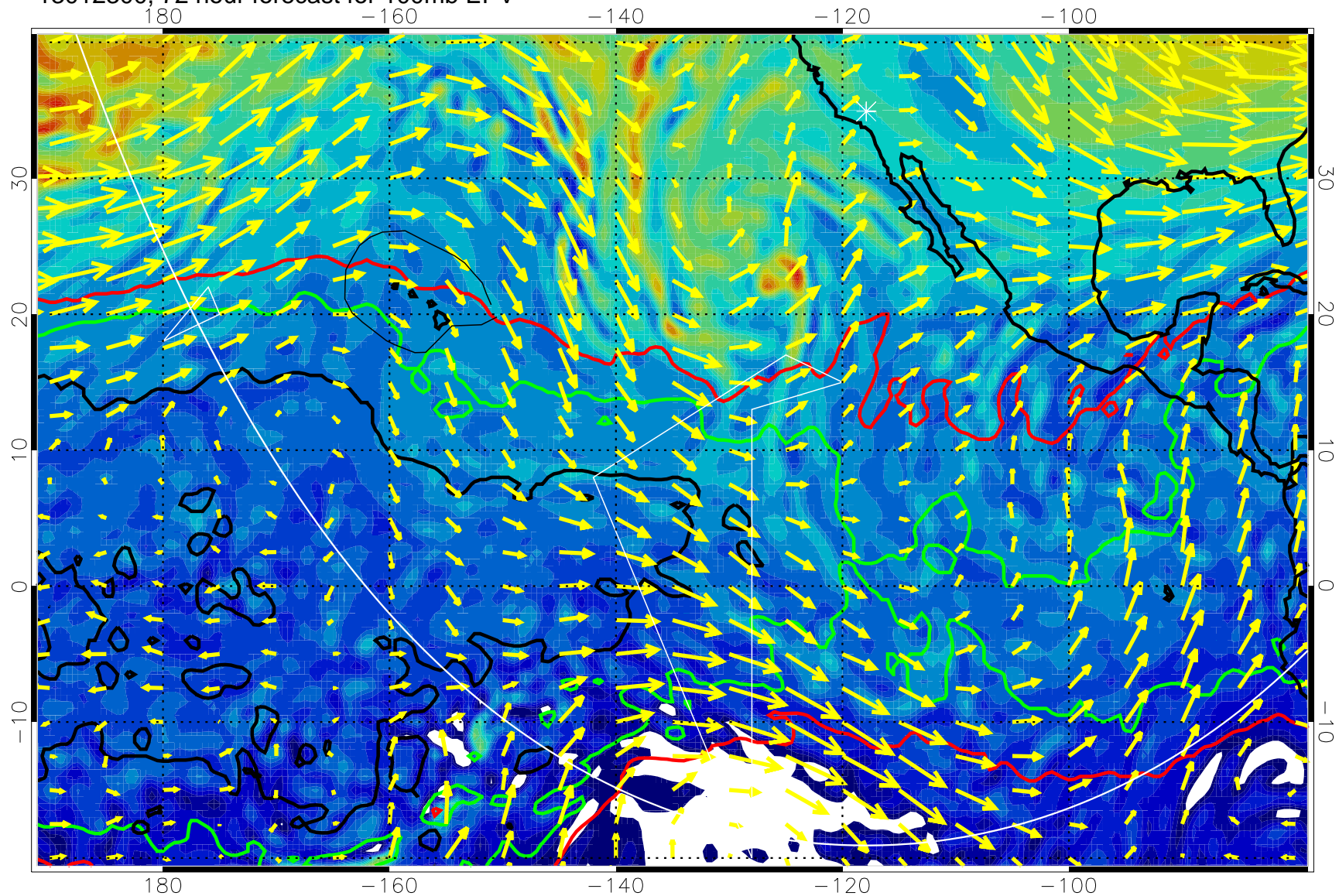


190K Isotherm    192.5K Isotherm    195K Isotherm

→ 50 m/s  
Range ring of 6000 km -- 19 hours GH round trip



13012300, 72 hour forecast for 100mb EPV

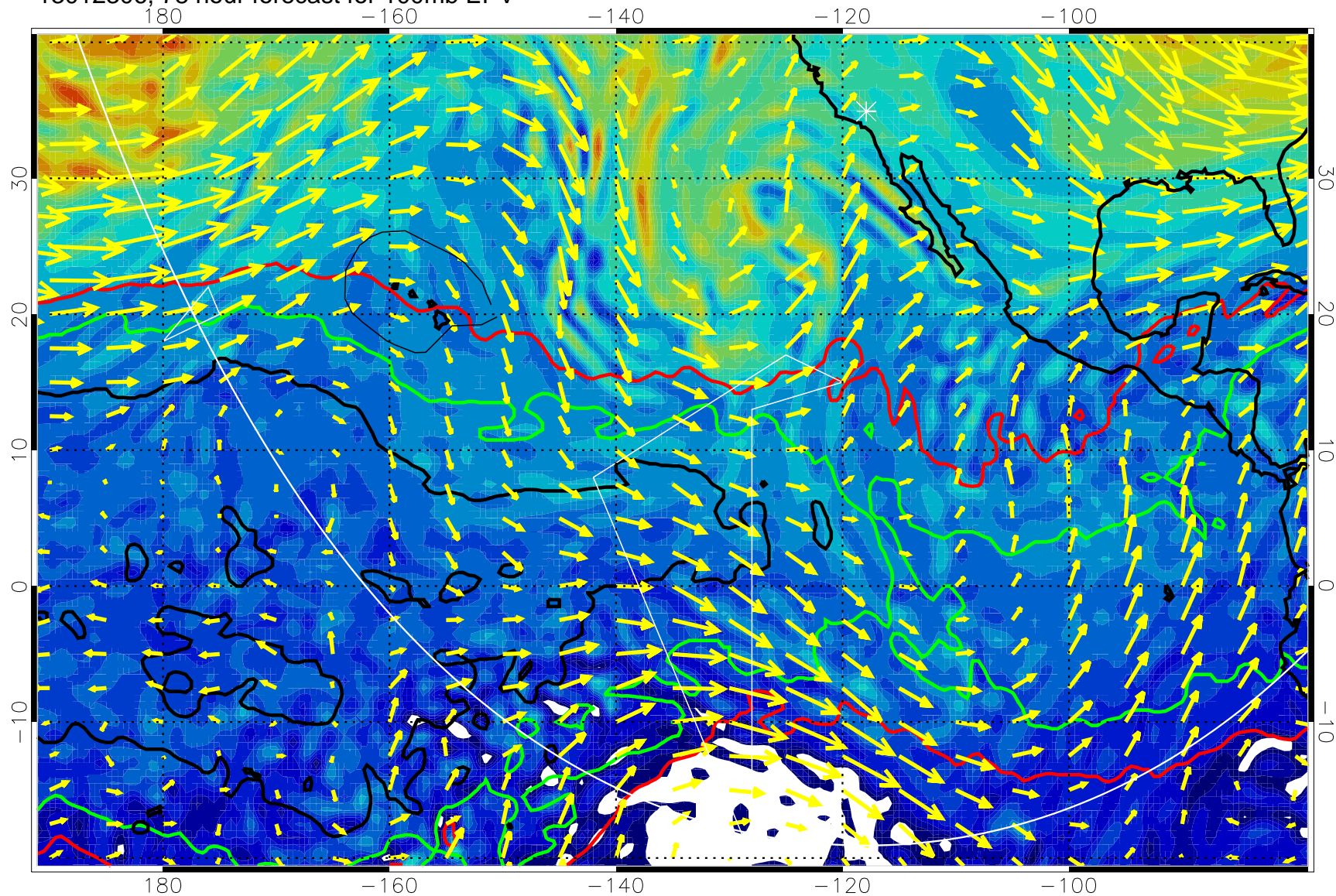


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012306, 78 hour forecast for 100mb EPV



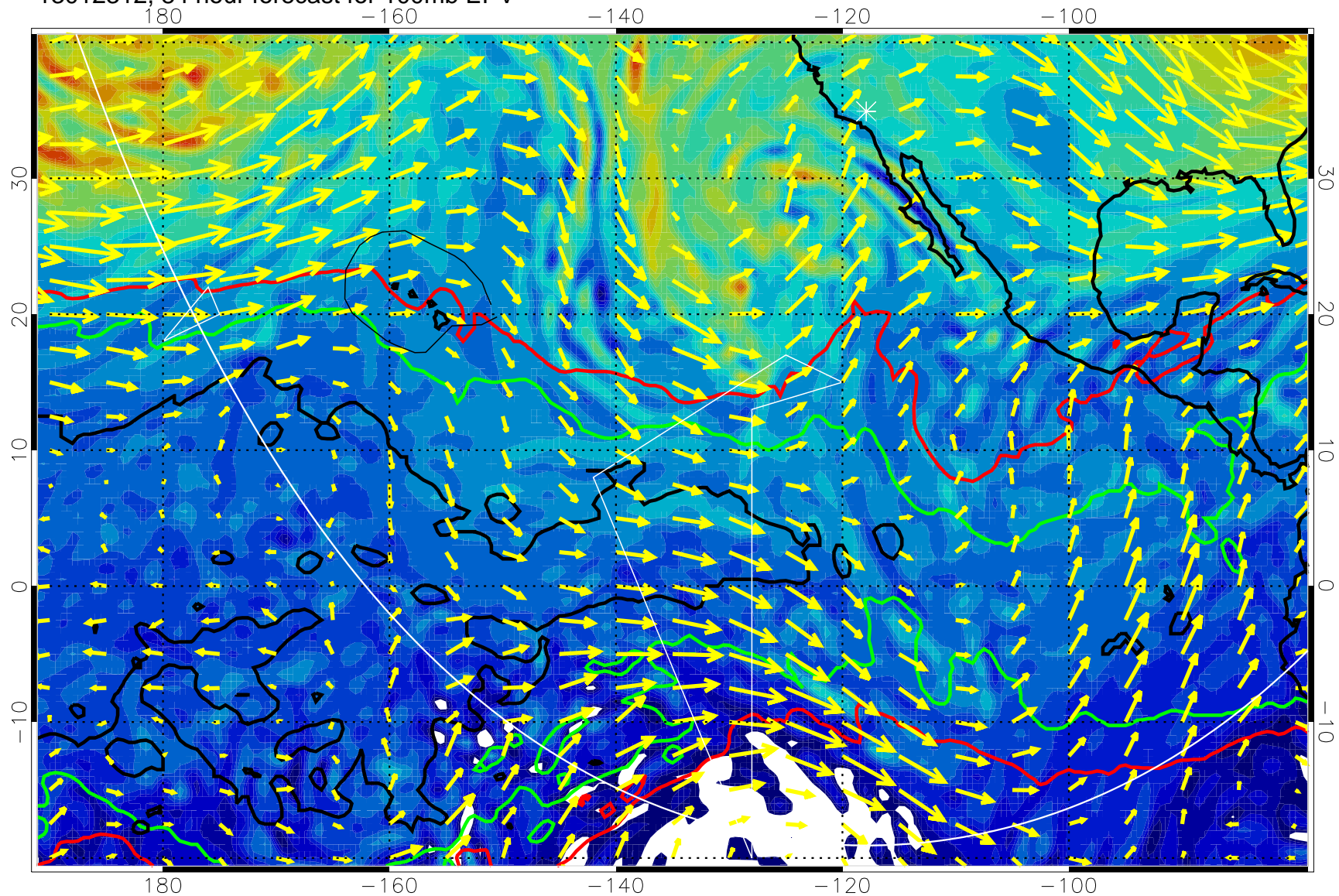
190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip



13012312, 84 hour forecast for 100mb EPV

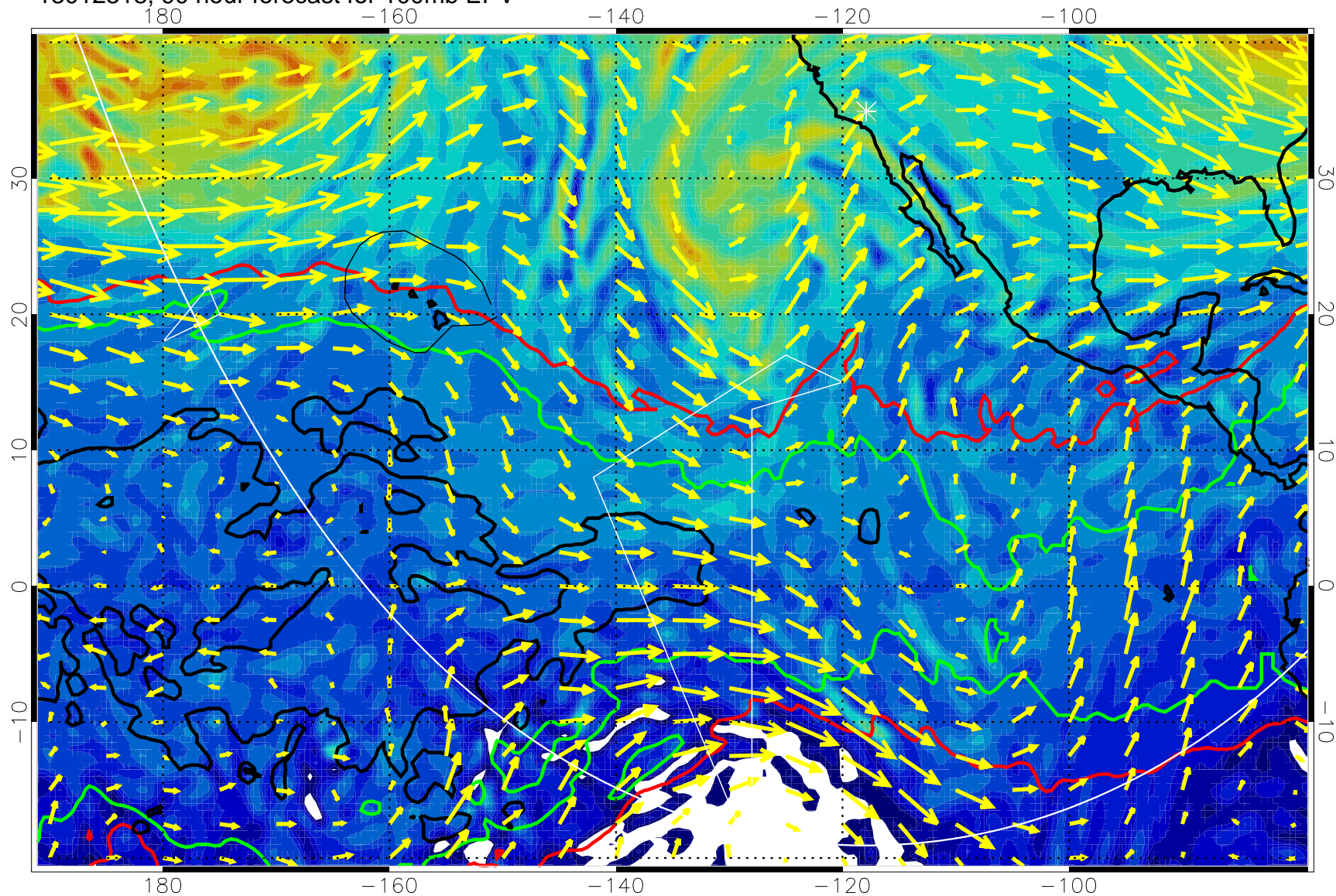


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012318, 90 hour forecast for 100mb EPV



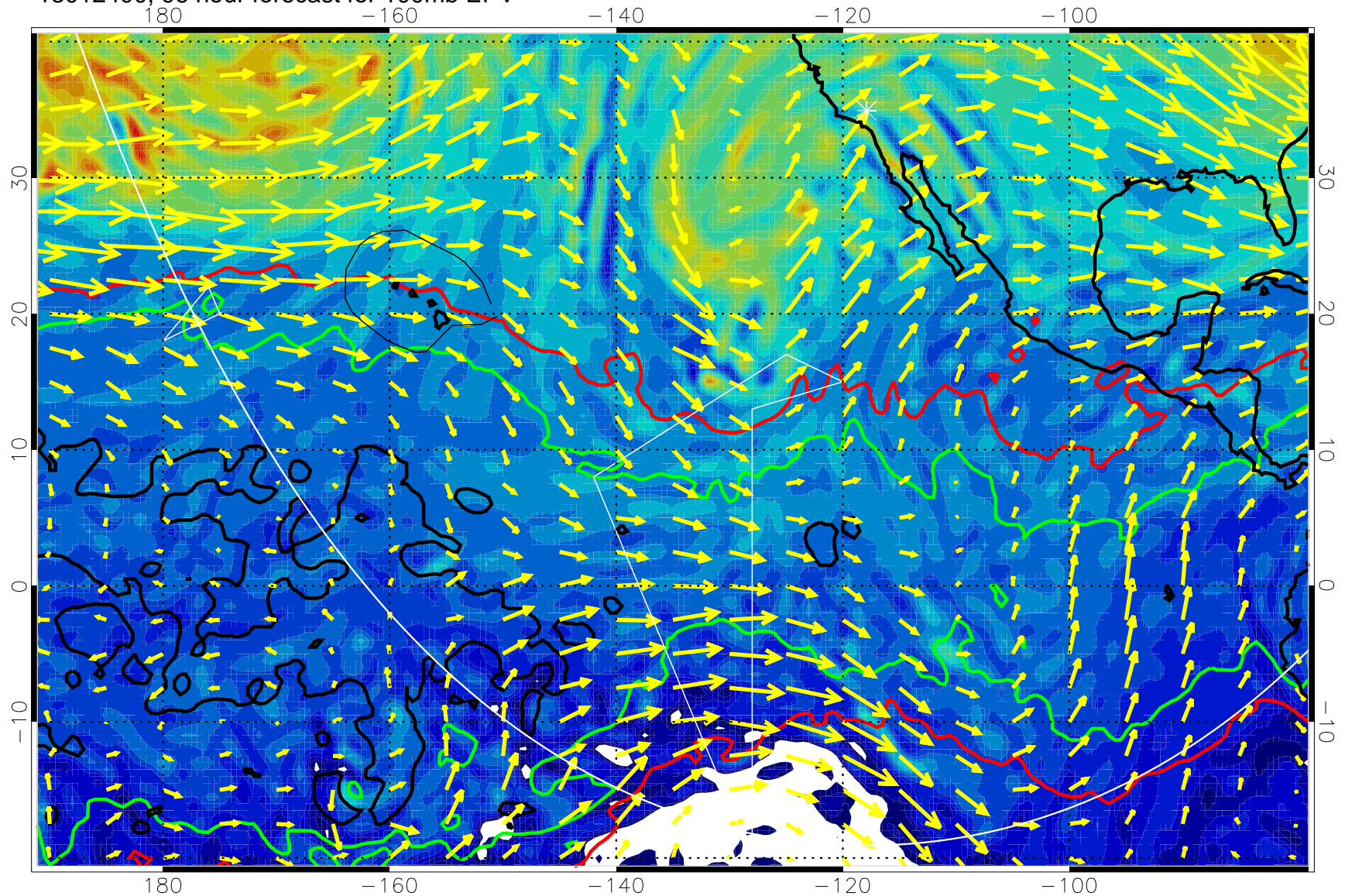
190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip



13012400, 96 hour forecast for 100mb EPV

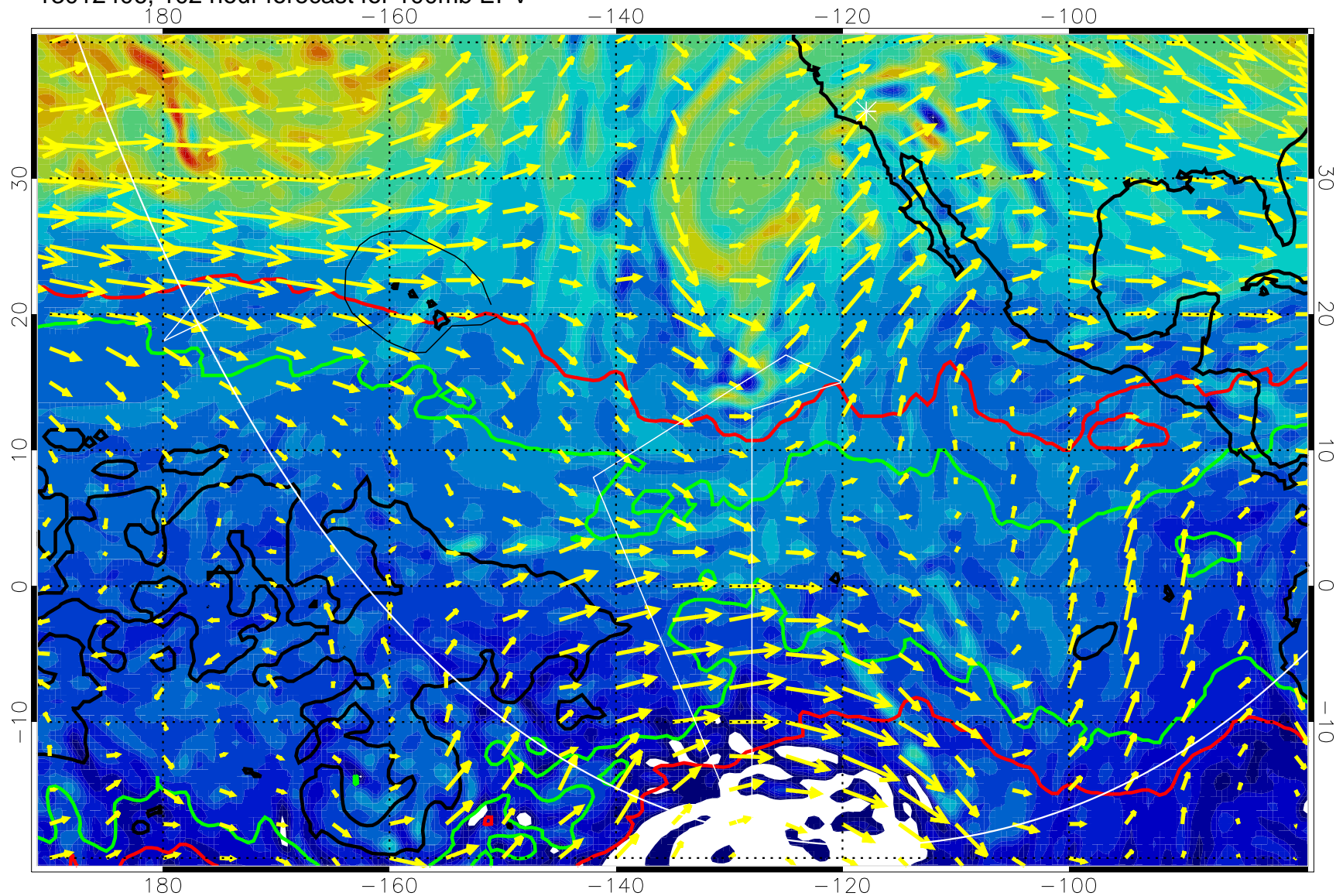


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012406, 102 hour forecast for 100mb EPV



$-5.0 \cdot 10^{-6}$  0  $5.0 \cdot 10^{-6}$   $1.0 \cdot 10^{-5}$   $1.5 \cdot 10^{-5}$   $2.0 \cdot 10^{-5}$   
PVU

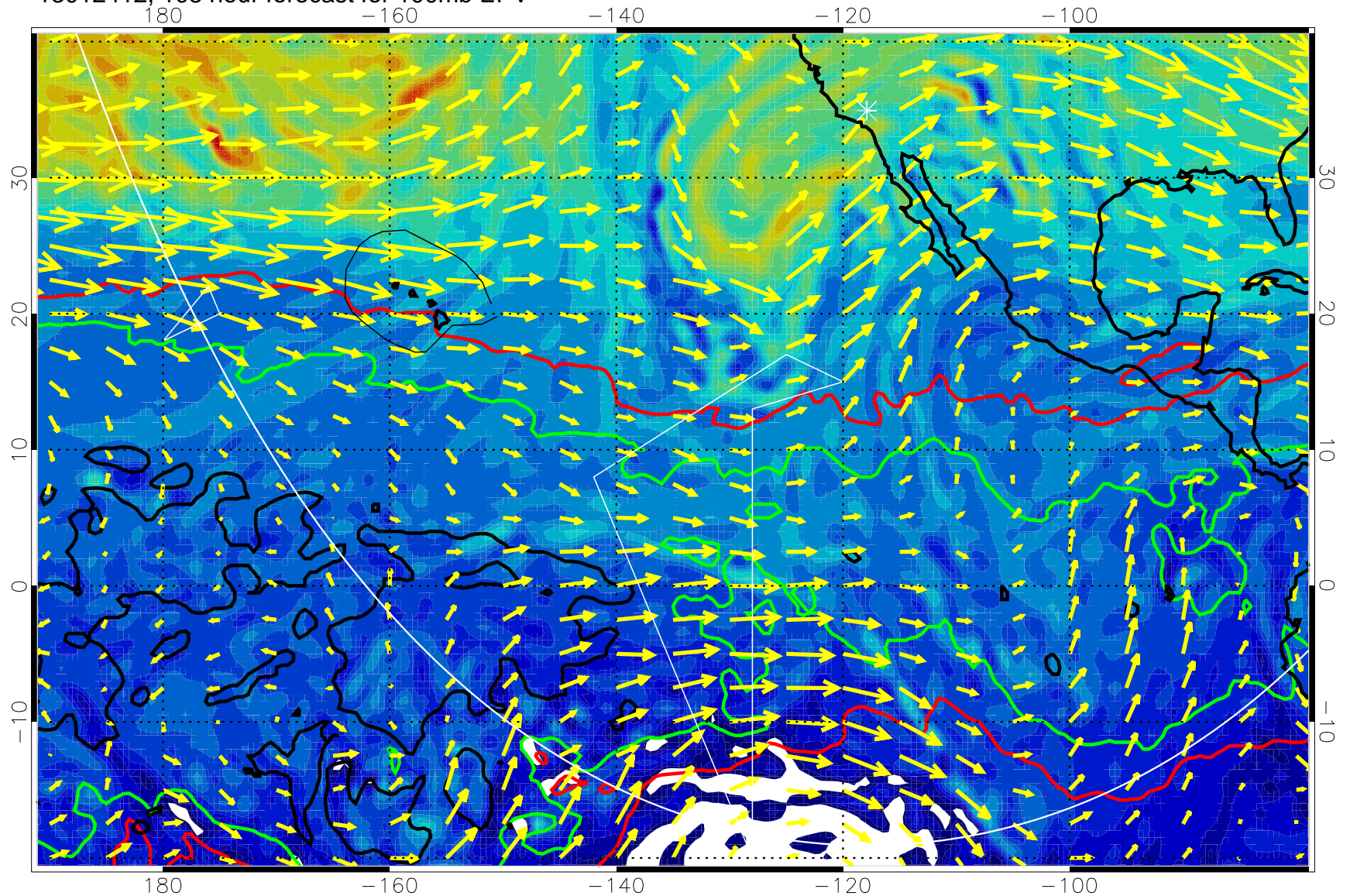
190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip



13012412, 108 hour forecast for 100mb EPV

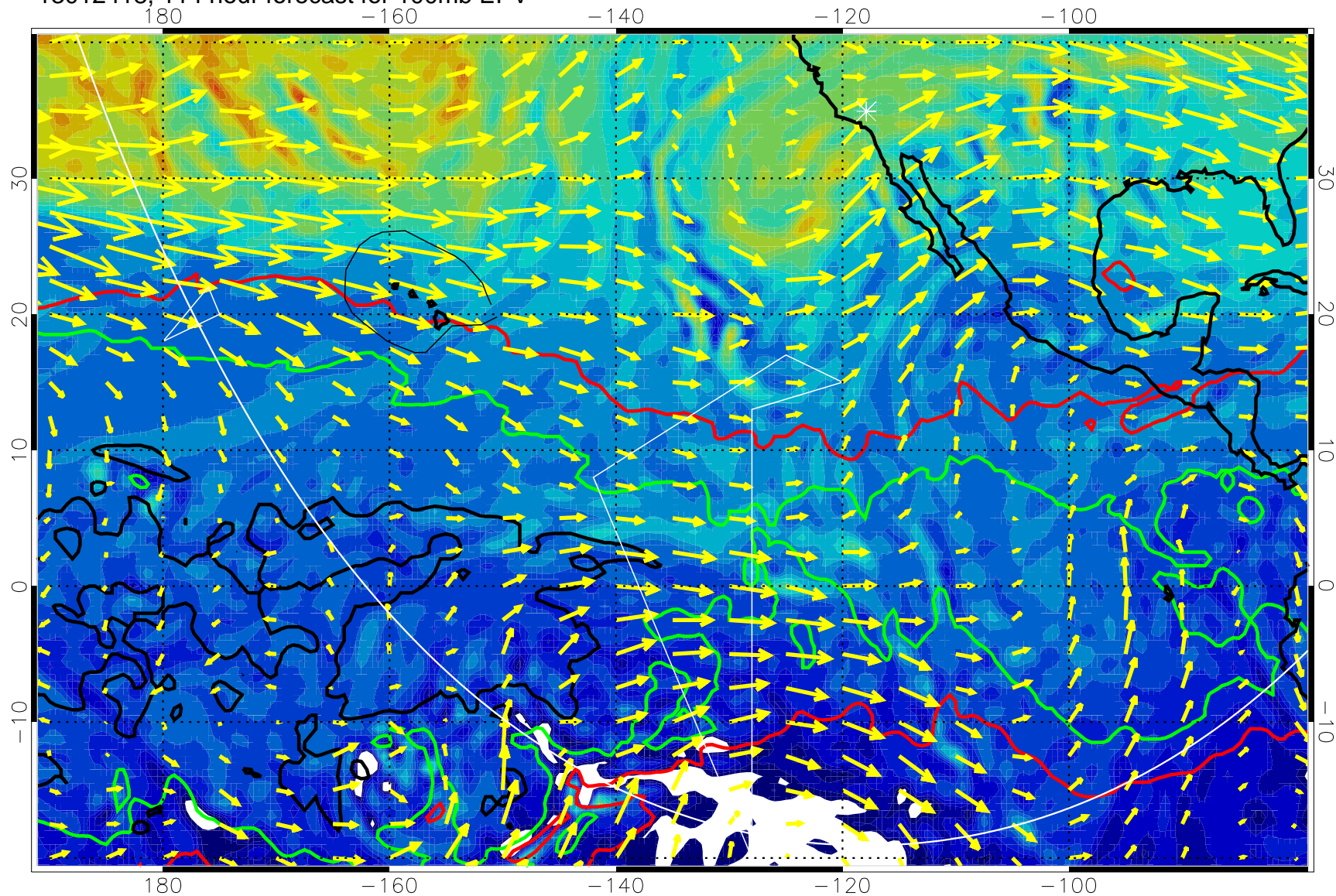


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip

13012418, 114 hour forecast for 100mb EPV



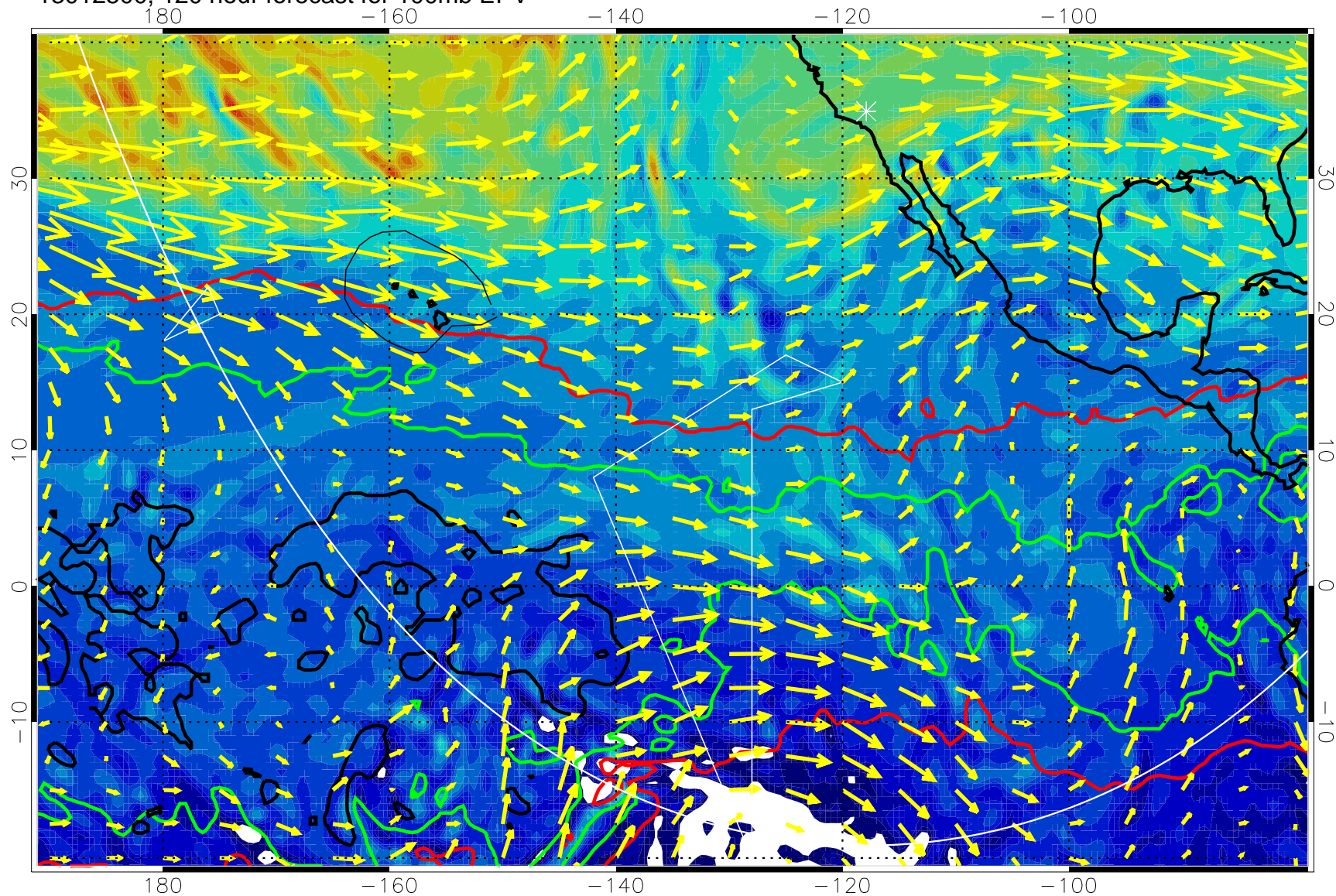
190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip



13012500, 120 hour forecast for 100mb EPV



190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

Range ring of 6000 km -- 19 hours GH round trip