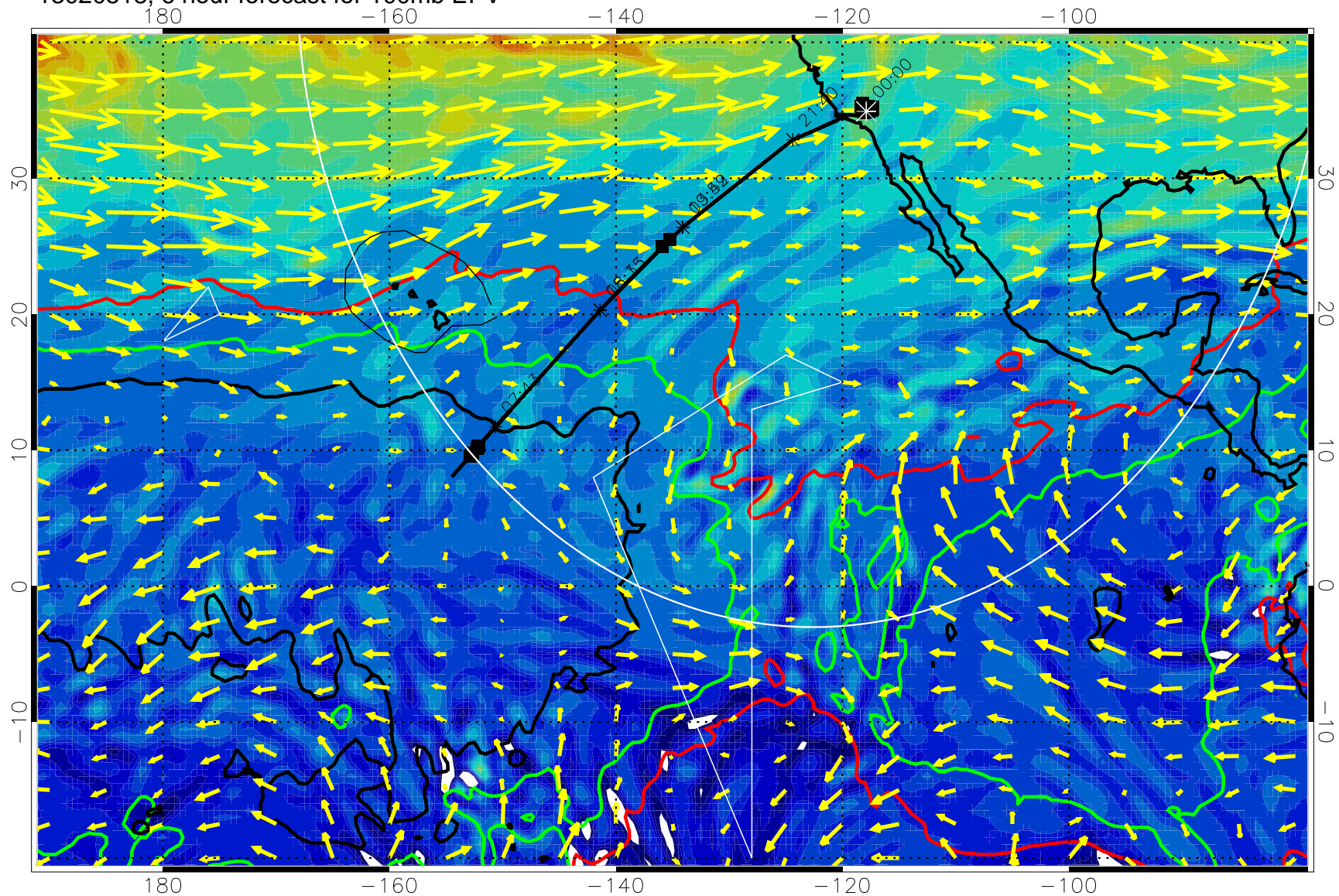


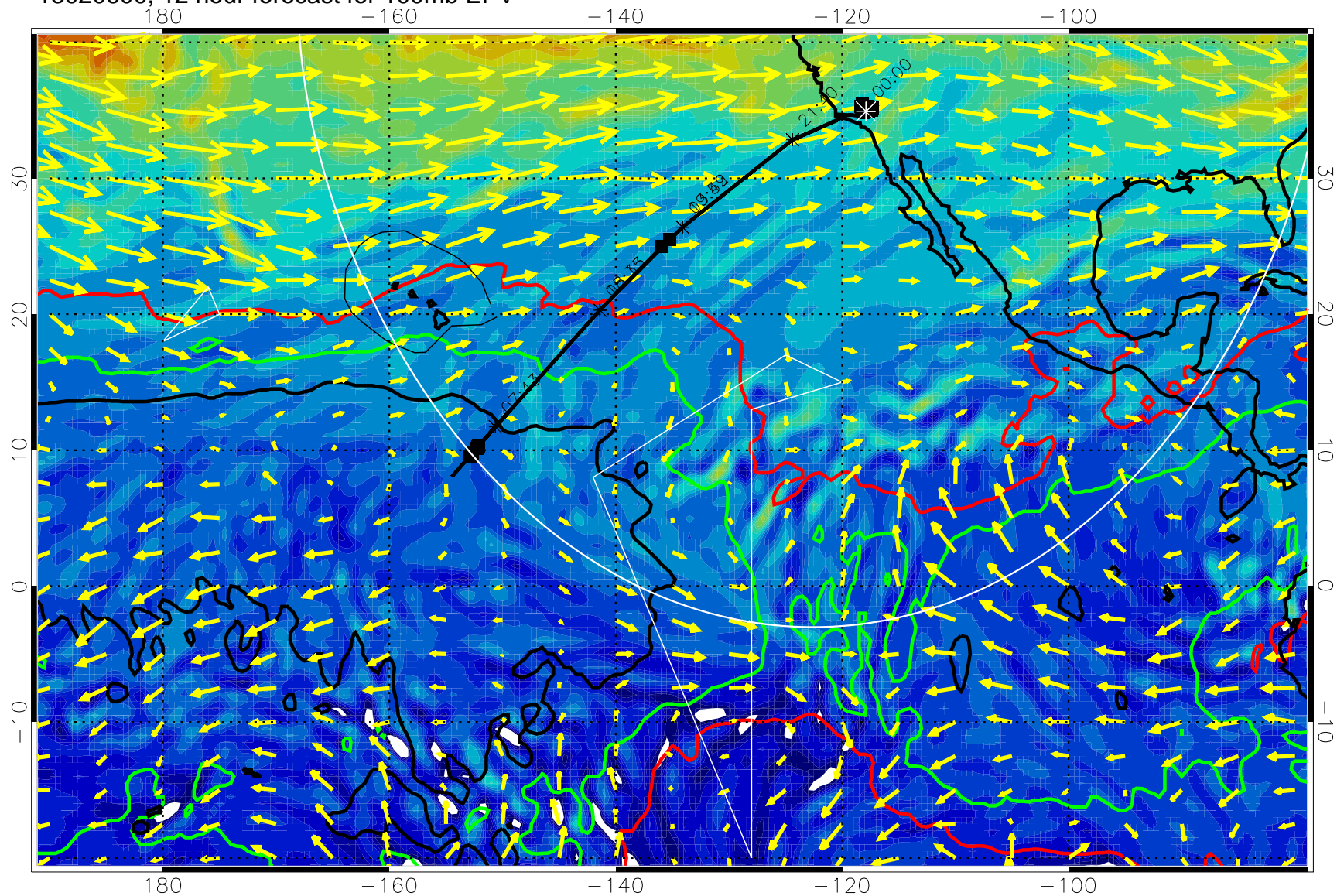
13020518, 6 hour forecast for 100mb EPV



190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s  
Range ring of 4055 km -- 13 hours GH round trip

13020600, 12 hour forecast for 100mb EPV

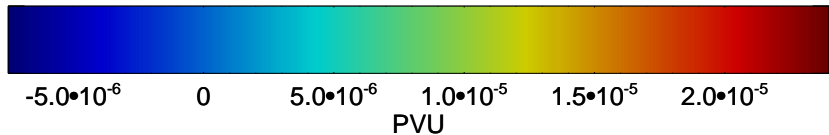
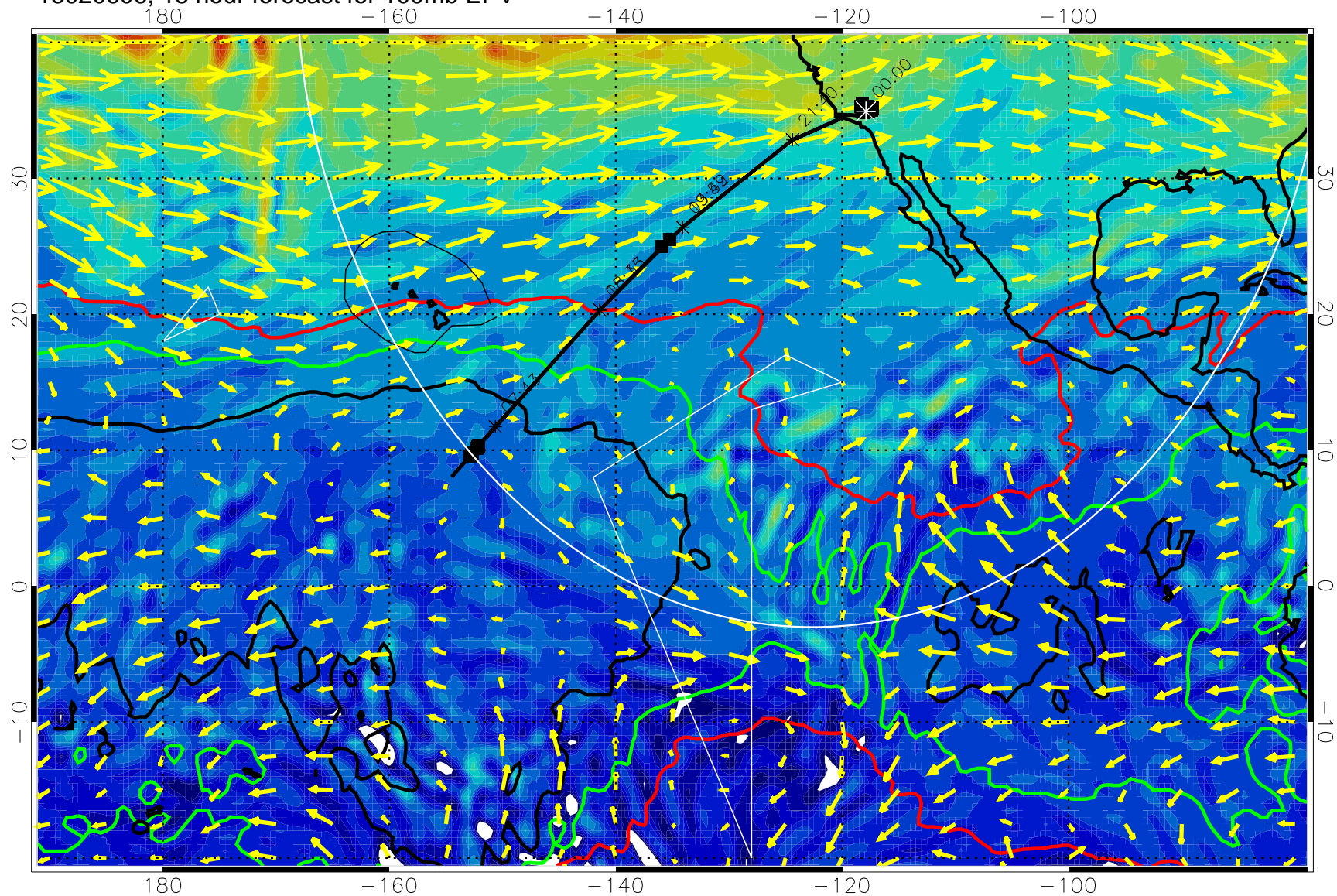


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

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

13020606, 18 hour forecast for 100mb EPV

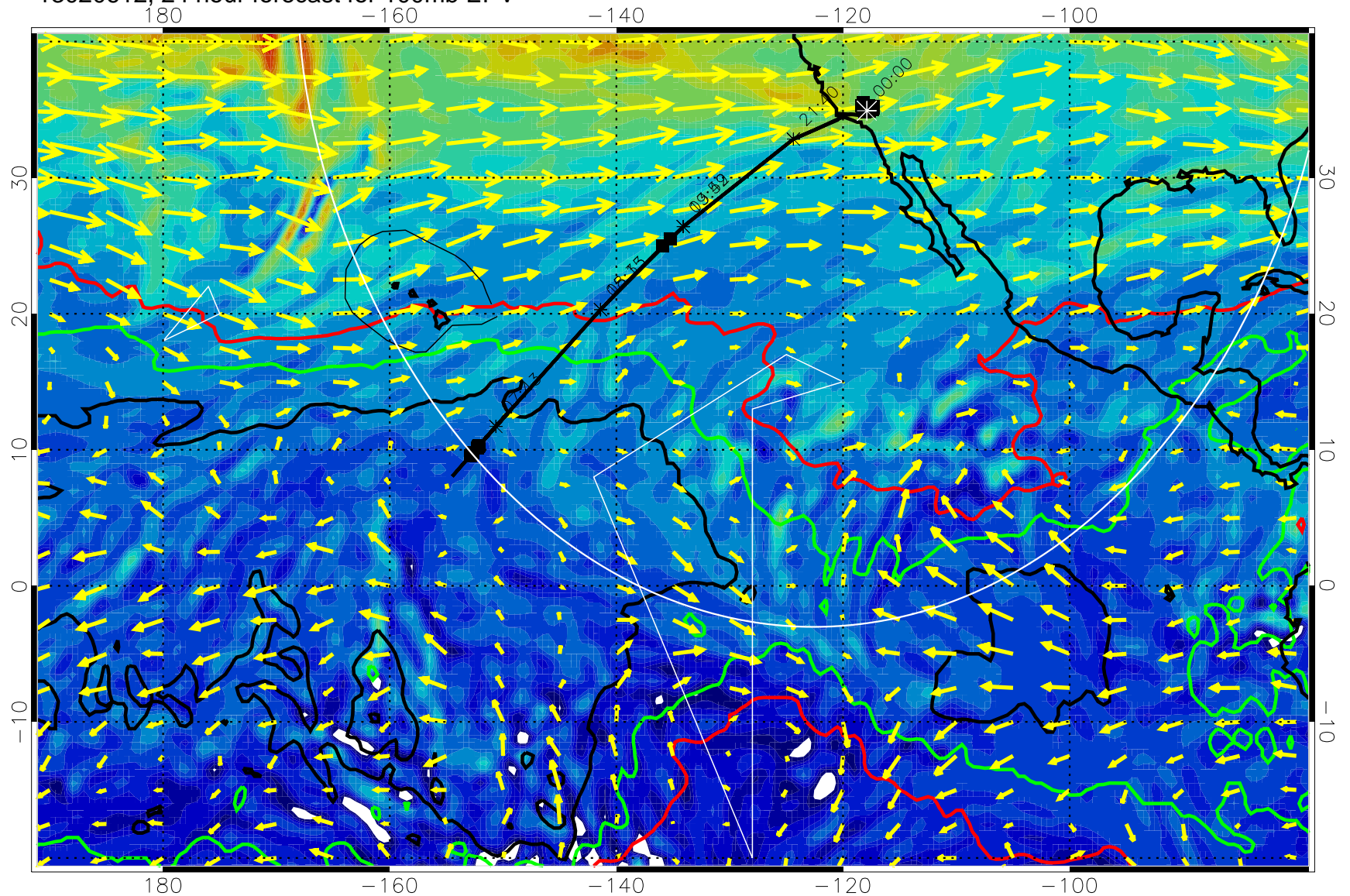


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

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

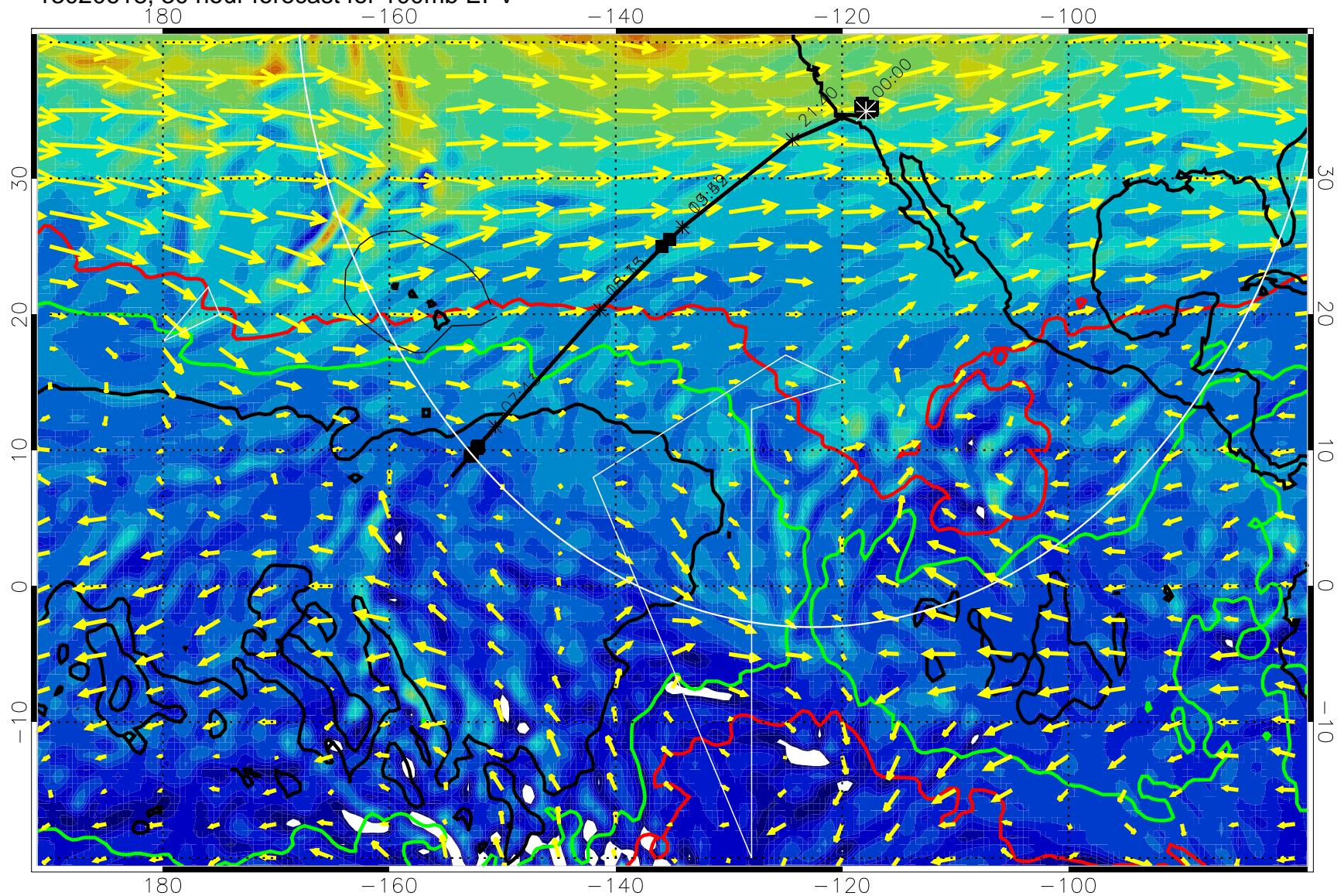
13020612, 24 hour forecast for 100mb EPV



190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s  
Range ring of 4055 km -- 13 hours GH round trip

13020618, 30 hour forecast for 100mb EPV

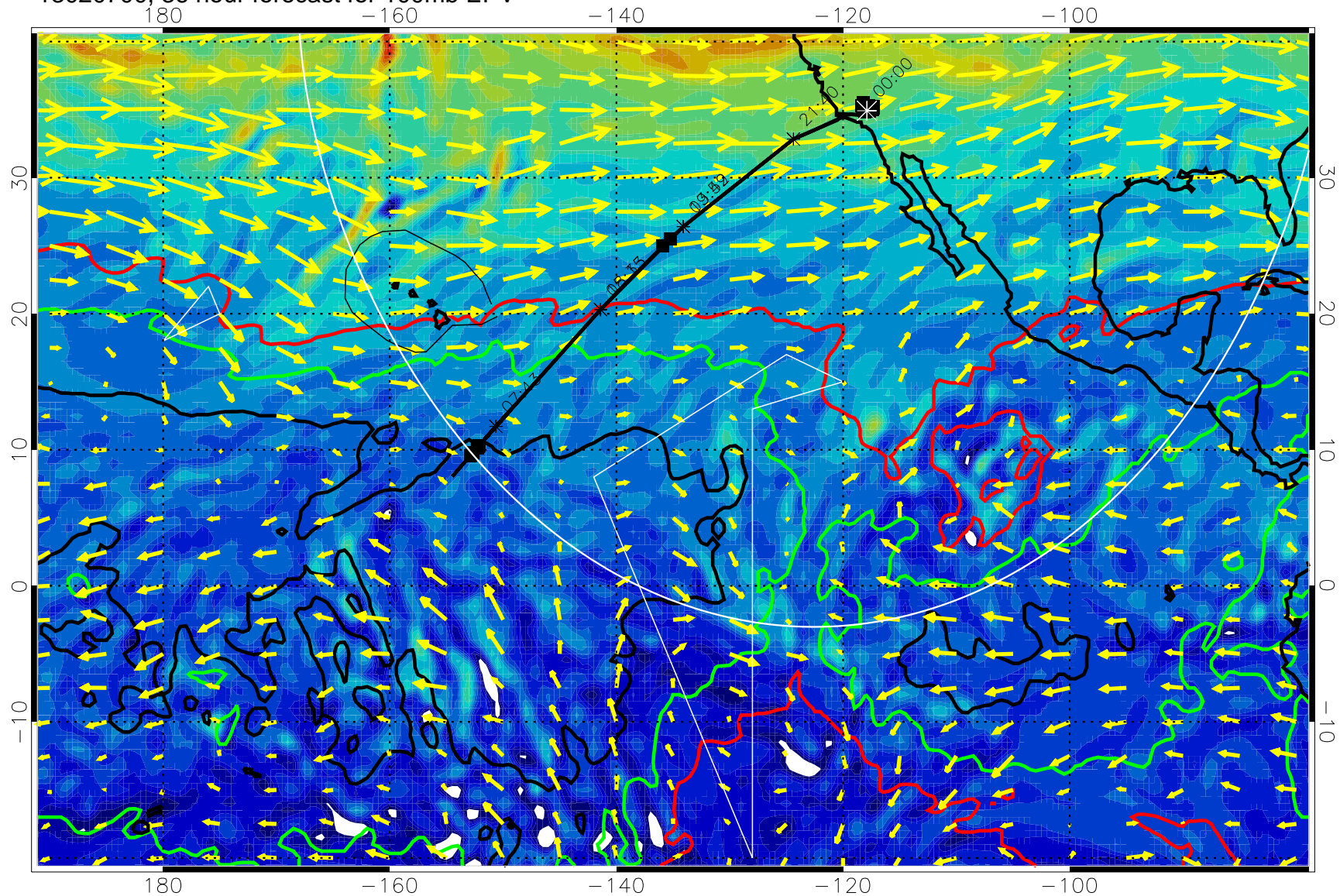


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

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

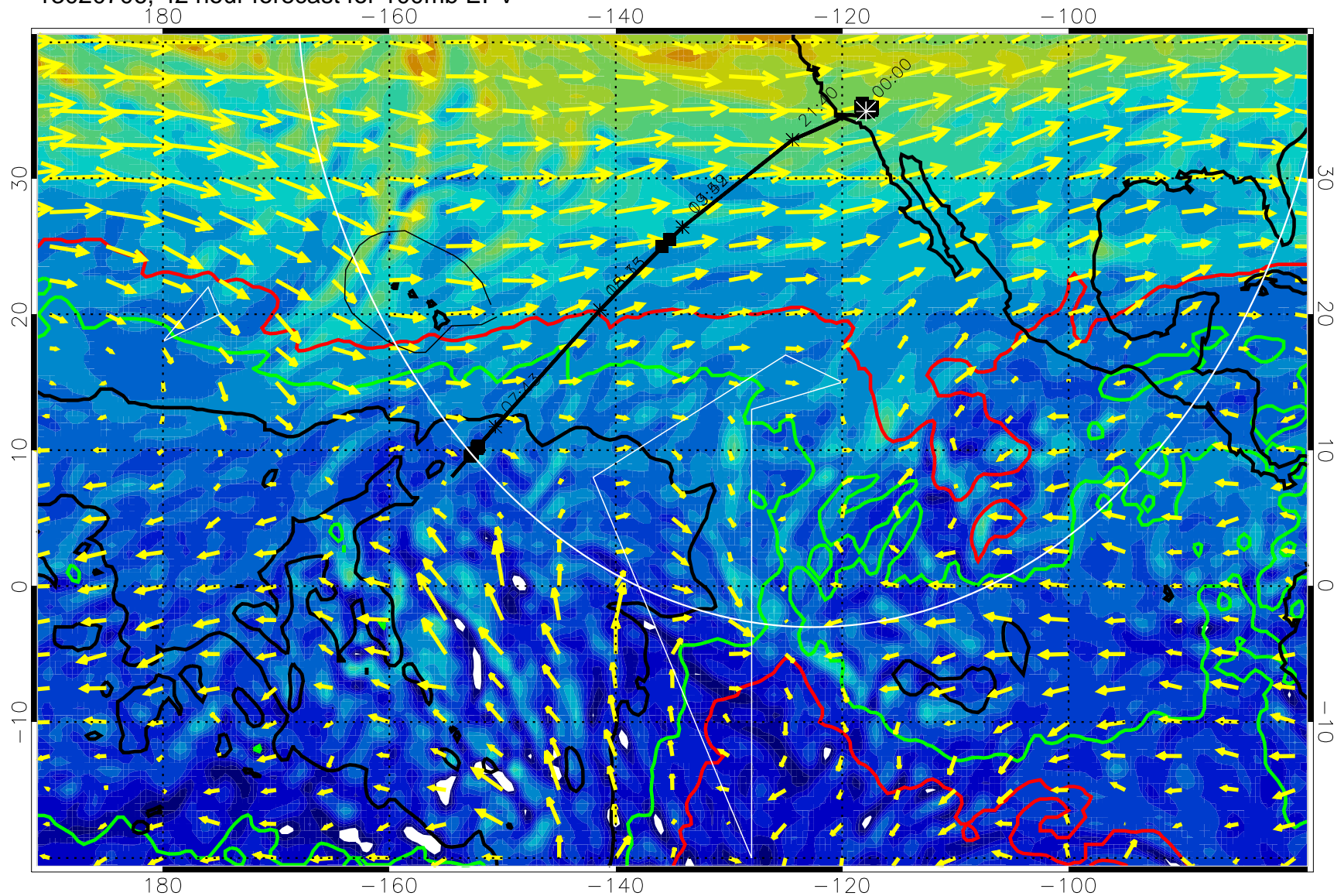
13020700, 36 hour forecast for 100mb EPV



190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s  
Range ring of 4055 km -- 13 hours GH round trip

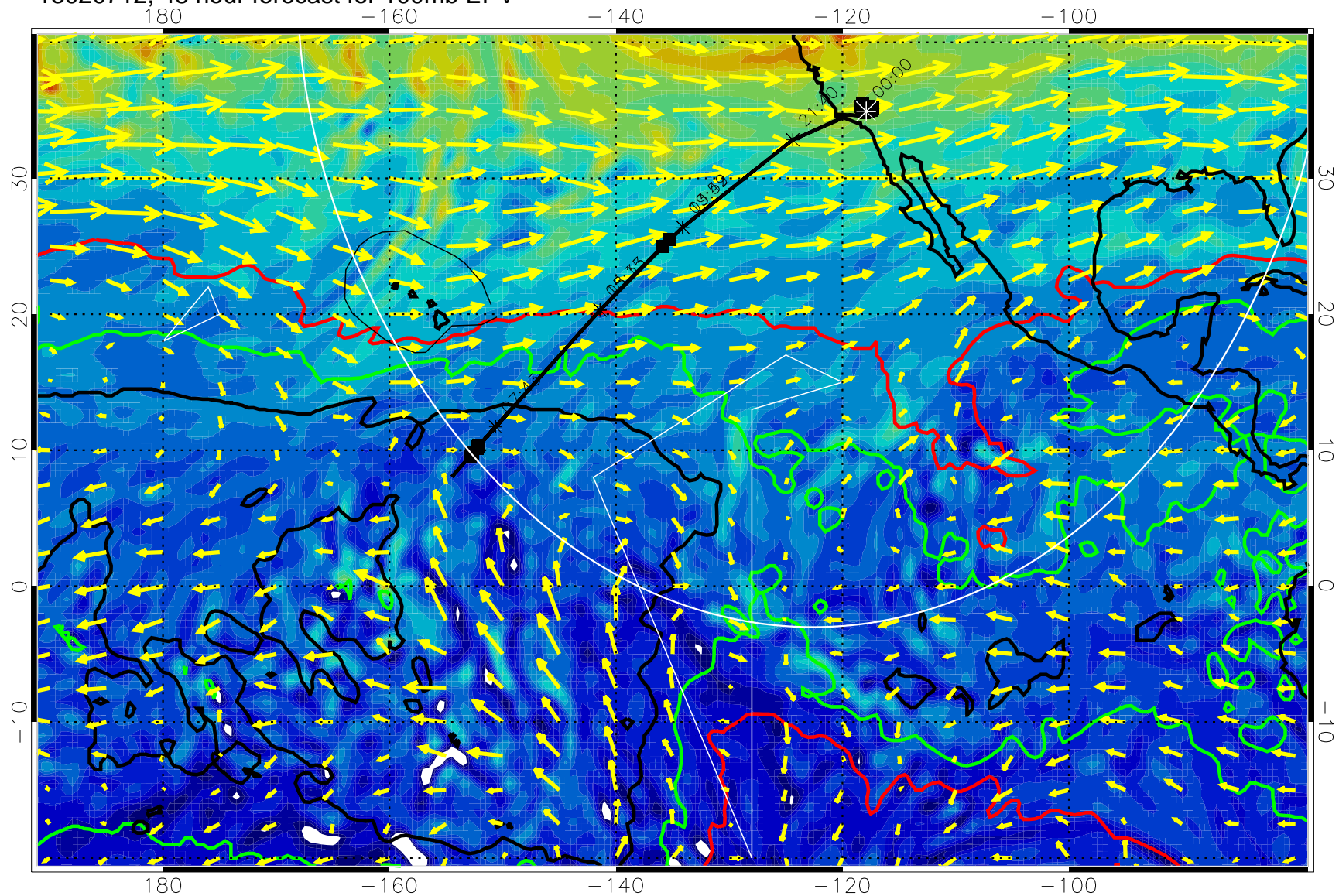
13020706, 42 hour forecast for 100mb EPV



190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s  
Range ring of 4055 km -- 13 hours GH round trip

13020712, 48 hour forecast for 100mb EPV

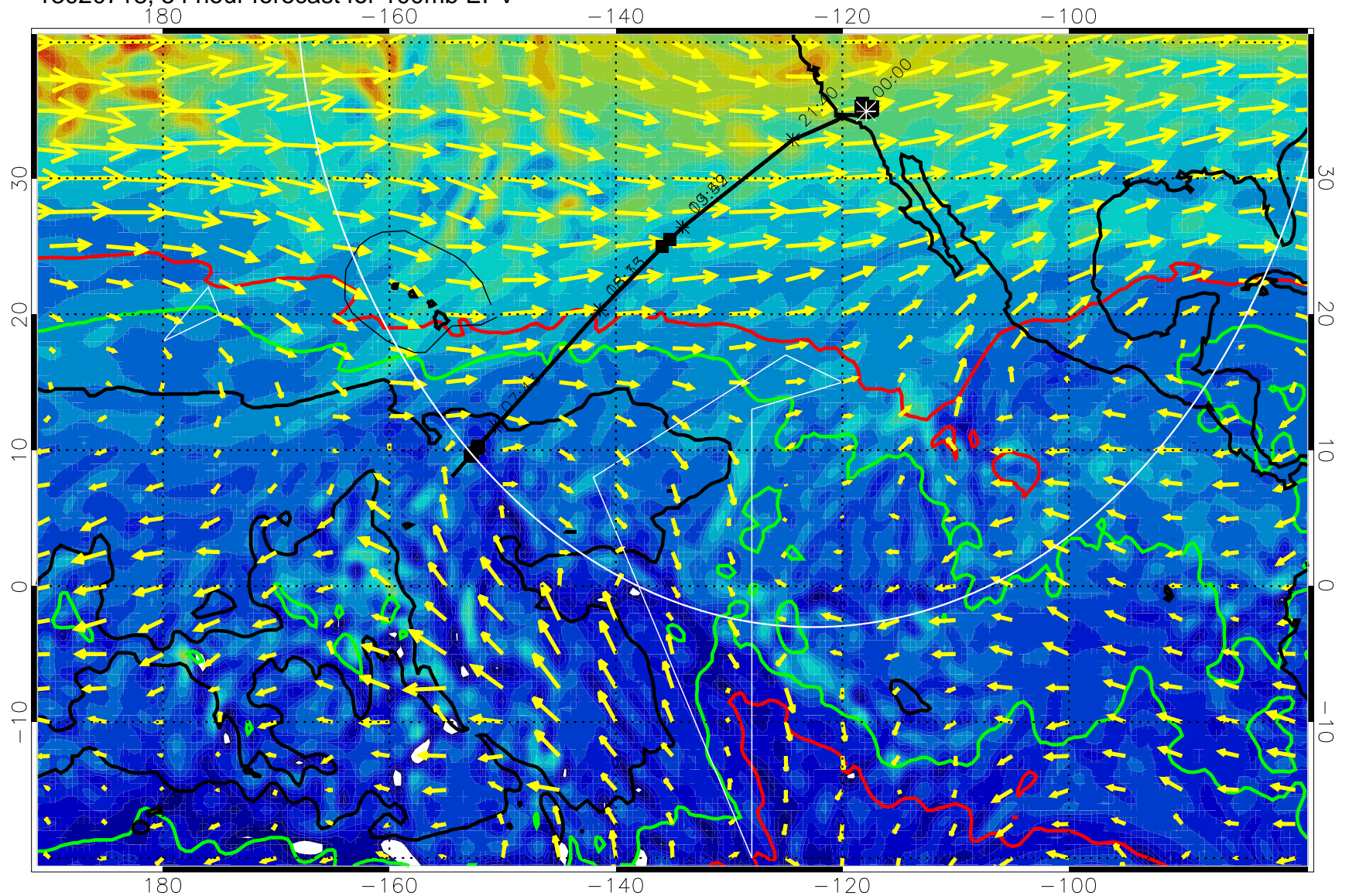


190K Isotherm    192.5K Isotherm    195K Isotherm

→ 50 m/s  
Range ring of 4055 km -- 13 hours GH round trip



13020718, 54 hour forecast for 100mb EPV



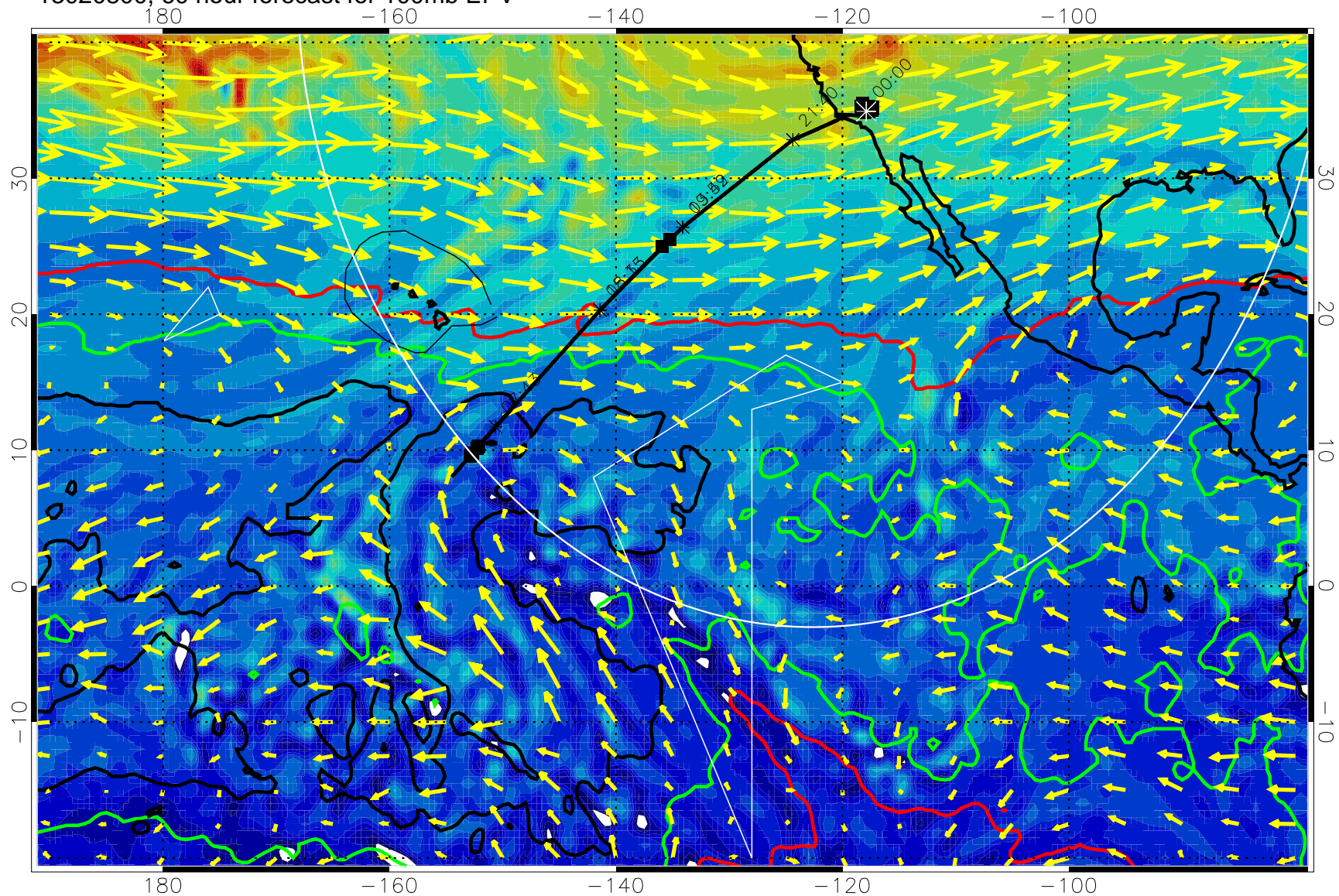
$-5.0 \cdot 10^{-6}$     0     $5.0 \cdot 10^{-6}$      $1.0 \cdot 10^{-5}$      $1.5 \cdot 10^{-5}$      $2.0 \cdot 10^{-5}$   
PVU

190K Isotherm    192.5K Isotherm    195K Isotherm

→ 50 m/s

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

13020800, 60 hour forecast for 100mb EPV

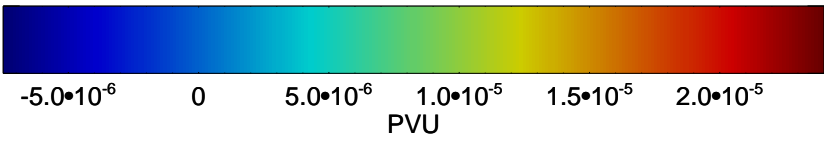
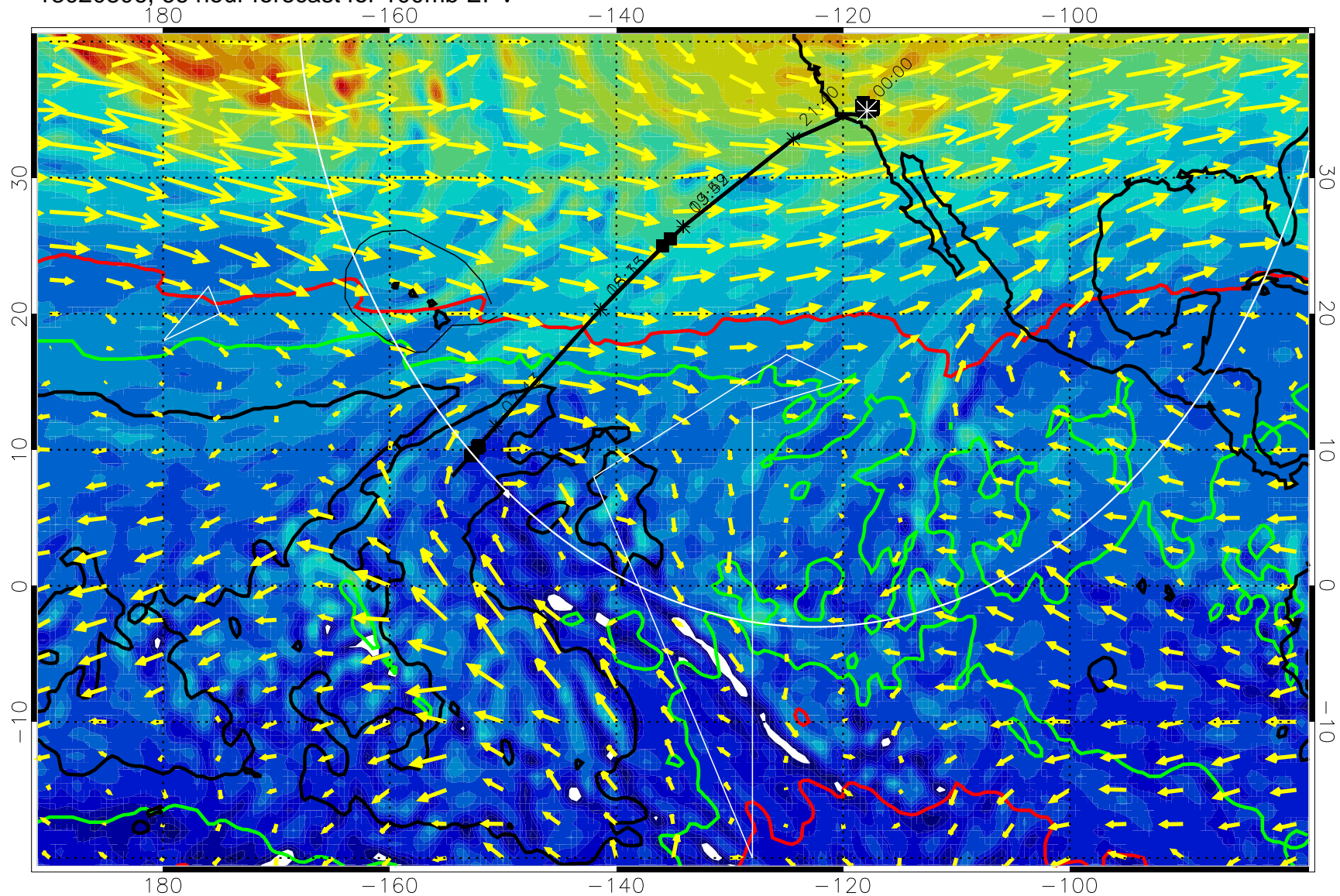


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

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

13020806, 66 hour forecast for 100mb EPV

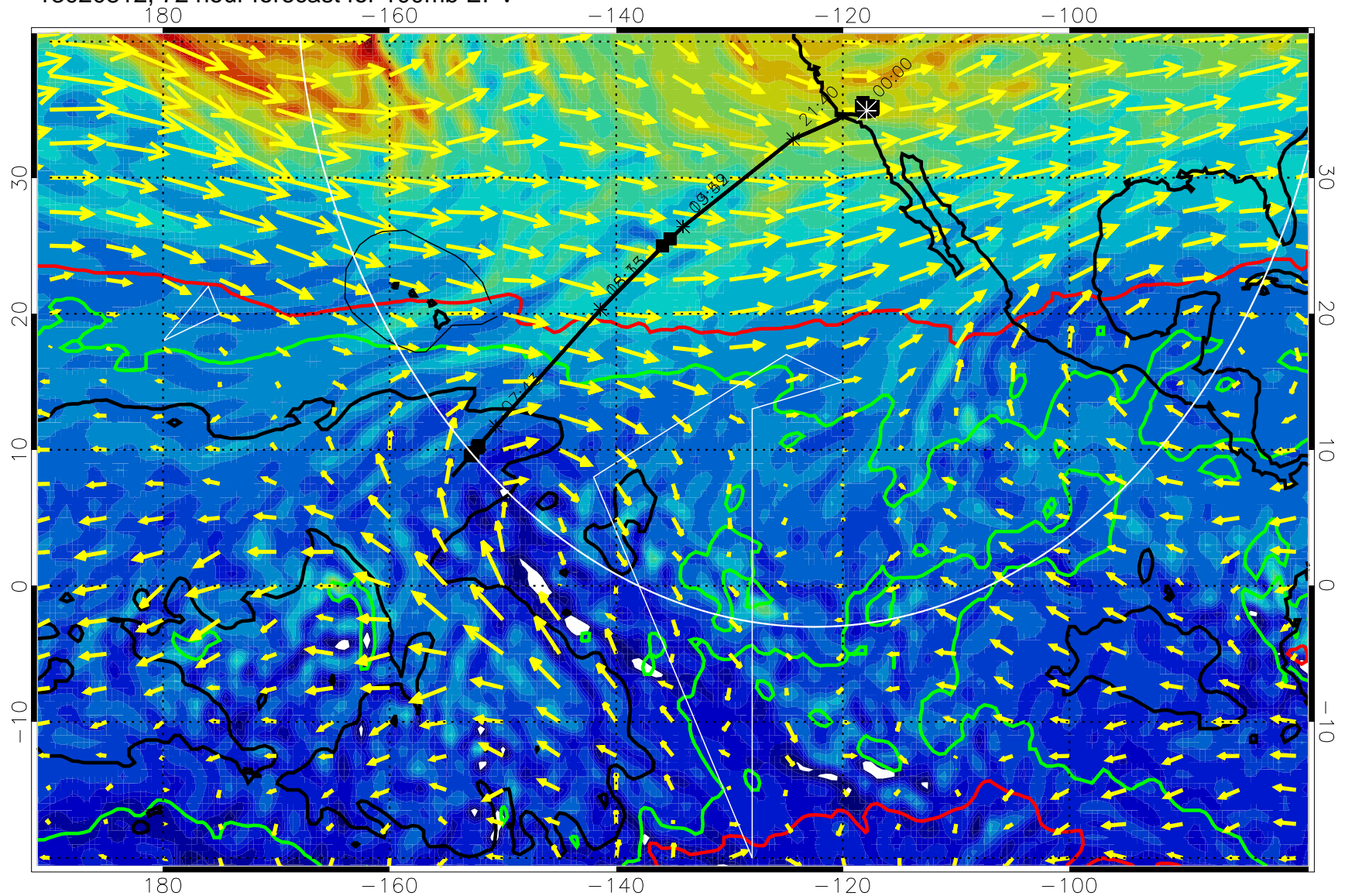


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

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

13020812, 72 hour forecast for 100mb EPV

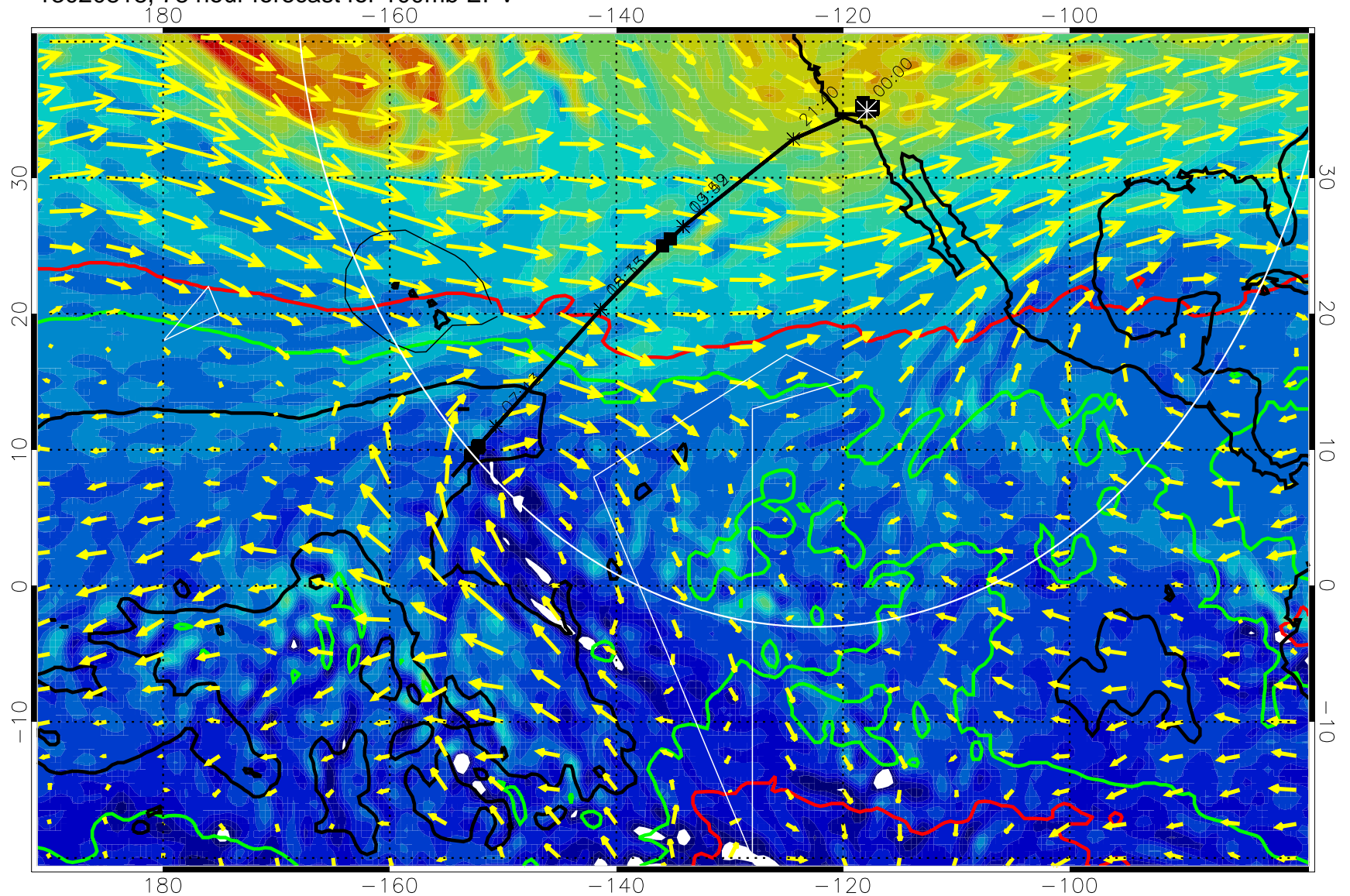


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

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

13020818, 78 hour forecast for 100mb EPV



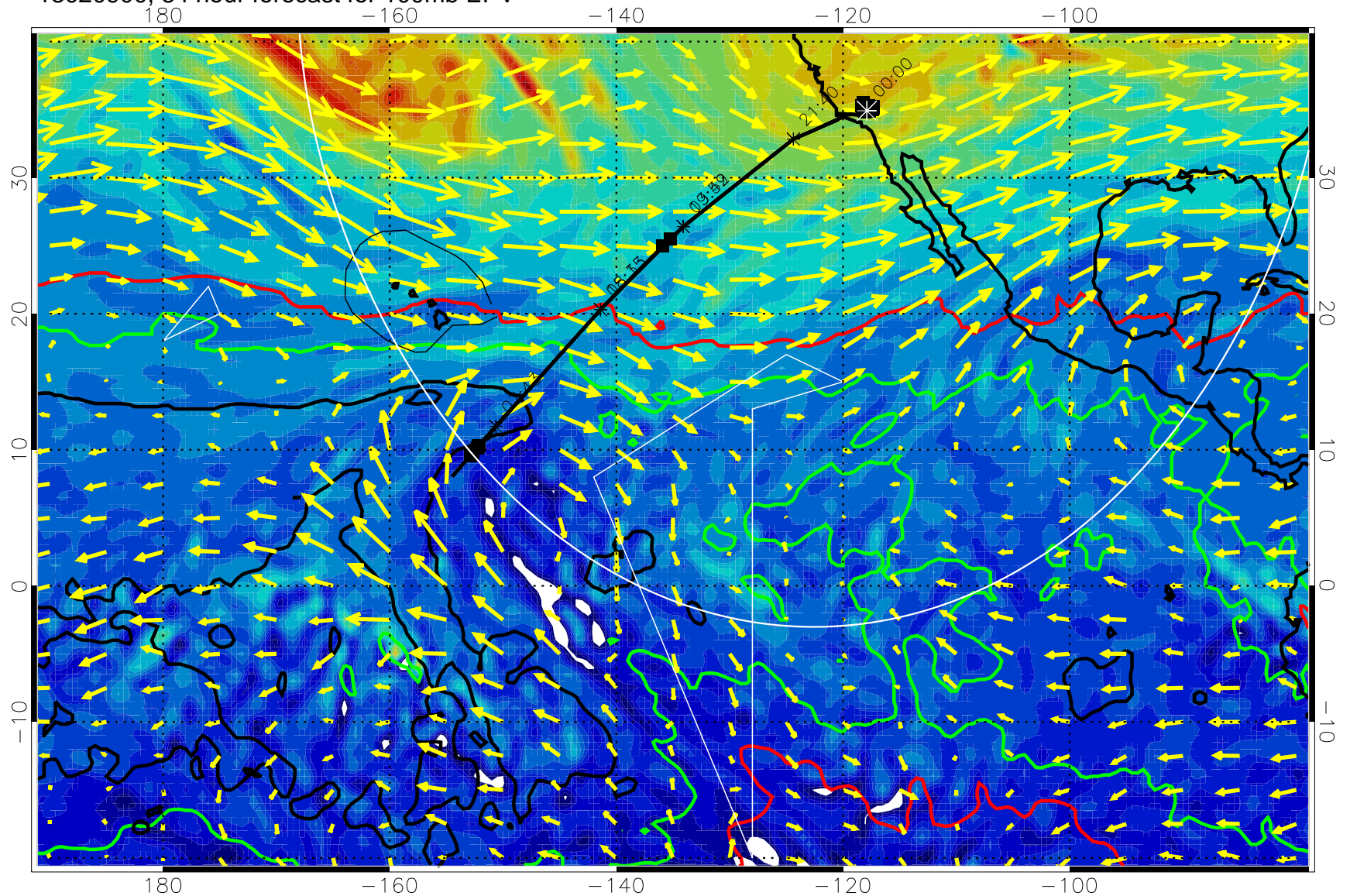
$-5.0 \cdot 10^{-6}$    0    $5.0 \cdot 10^{-6}$     $1.0 \cdot 10^{-5}$     $1.5 \cdot 10^{-5}$     $2.0 \cdot 10^{-5}$   
PVU

190K Isotherm   192.5K Isotherm   195K Isotherm

→ 50 m/s

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

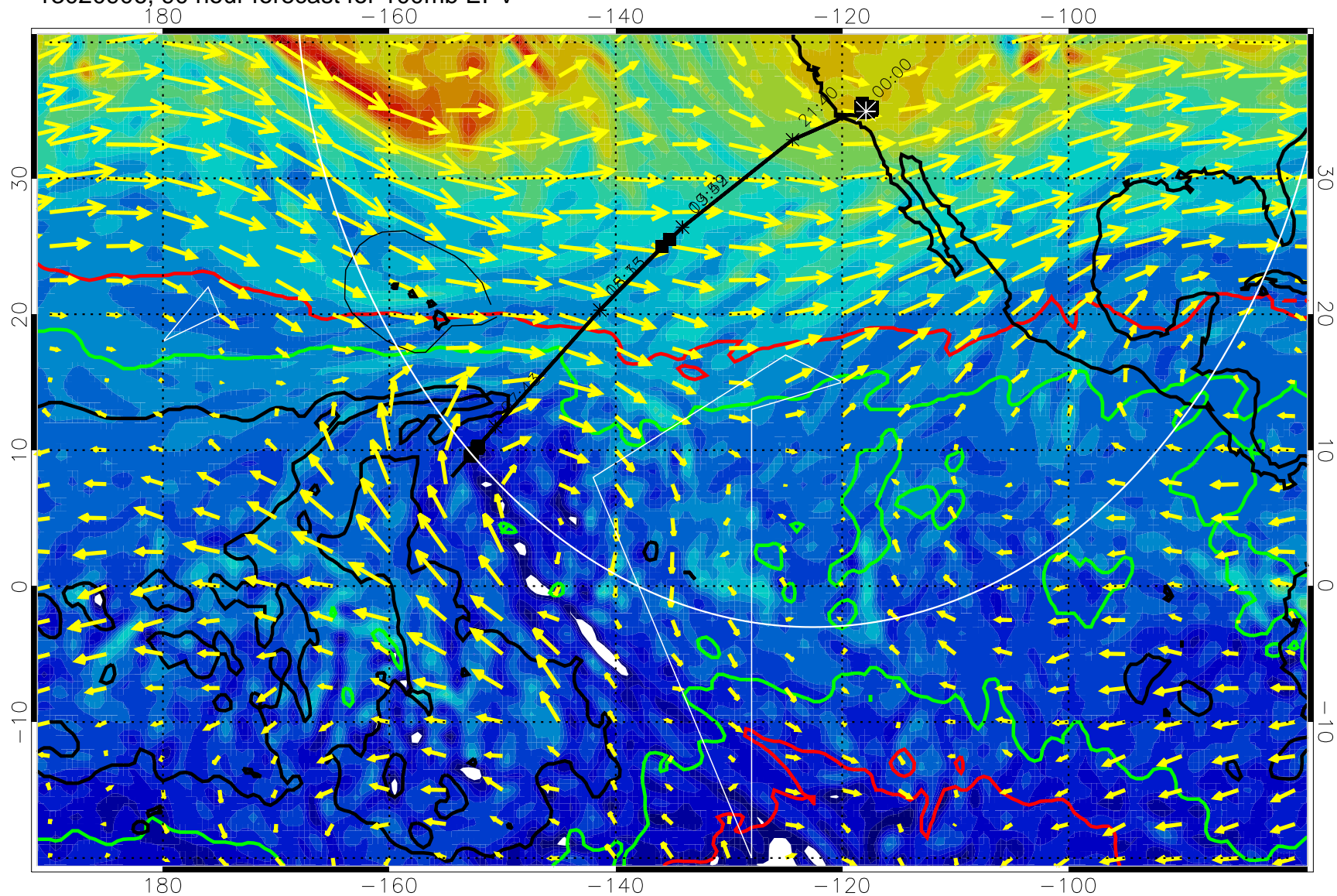
13020900, 84 hour forecast for 100mb EPV



190K Isotherm    192.5K Isotherm    195K Isotherm

→ 50 m/s  
Range ring of 4055 km -- 13 hours GH round trip

13020906, 90 hour forecast for 100mb EPV

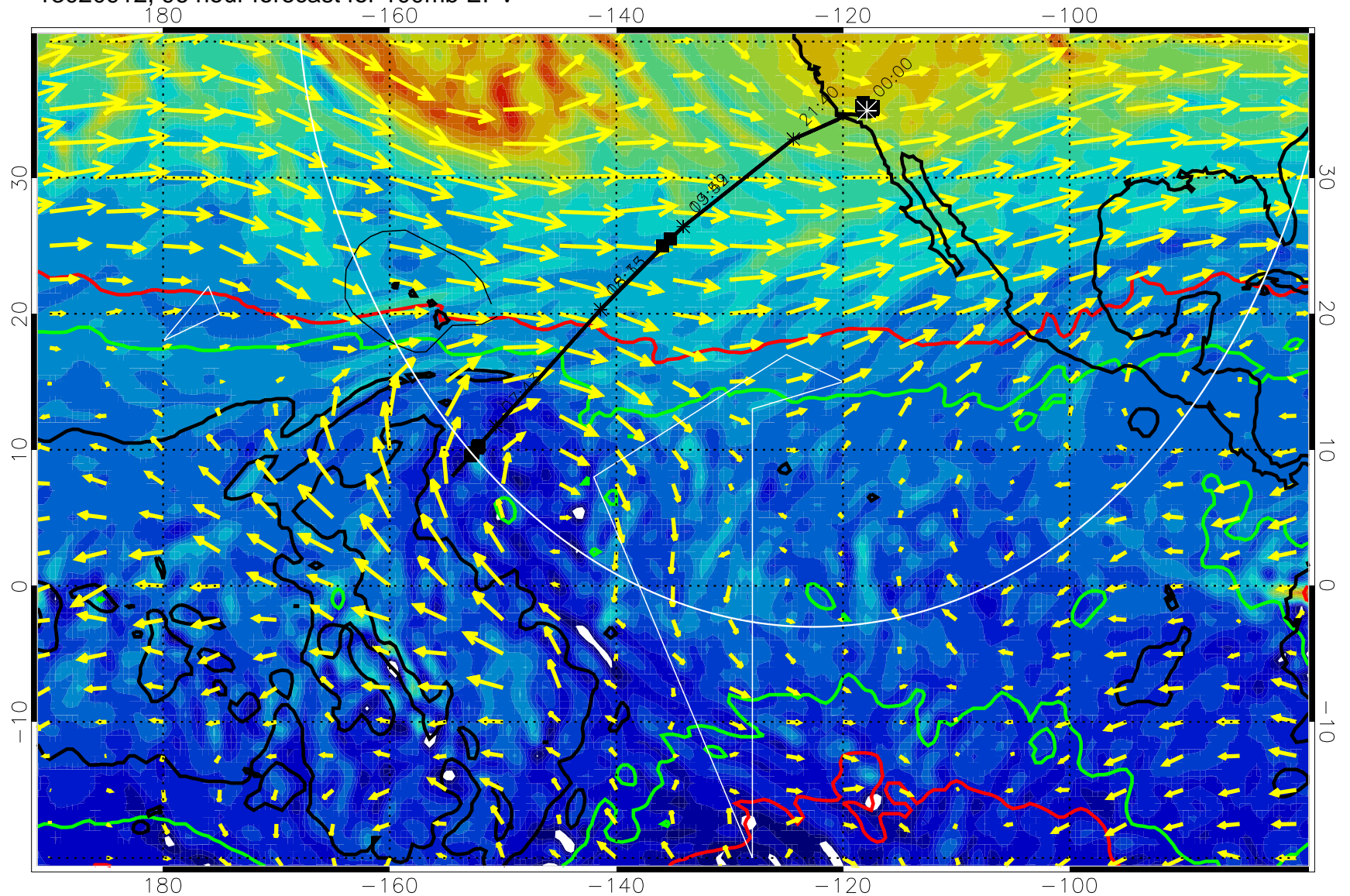


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

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

13020912, 96 hour forecast for 100mb EPV



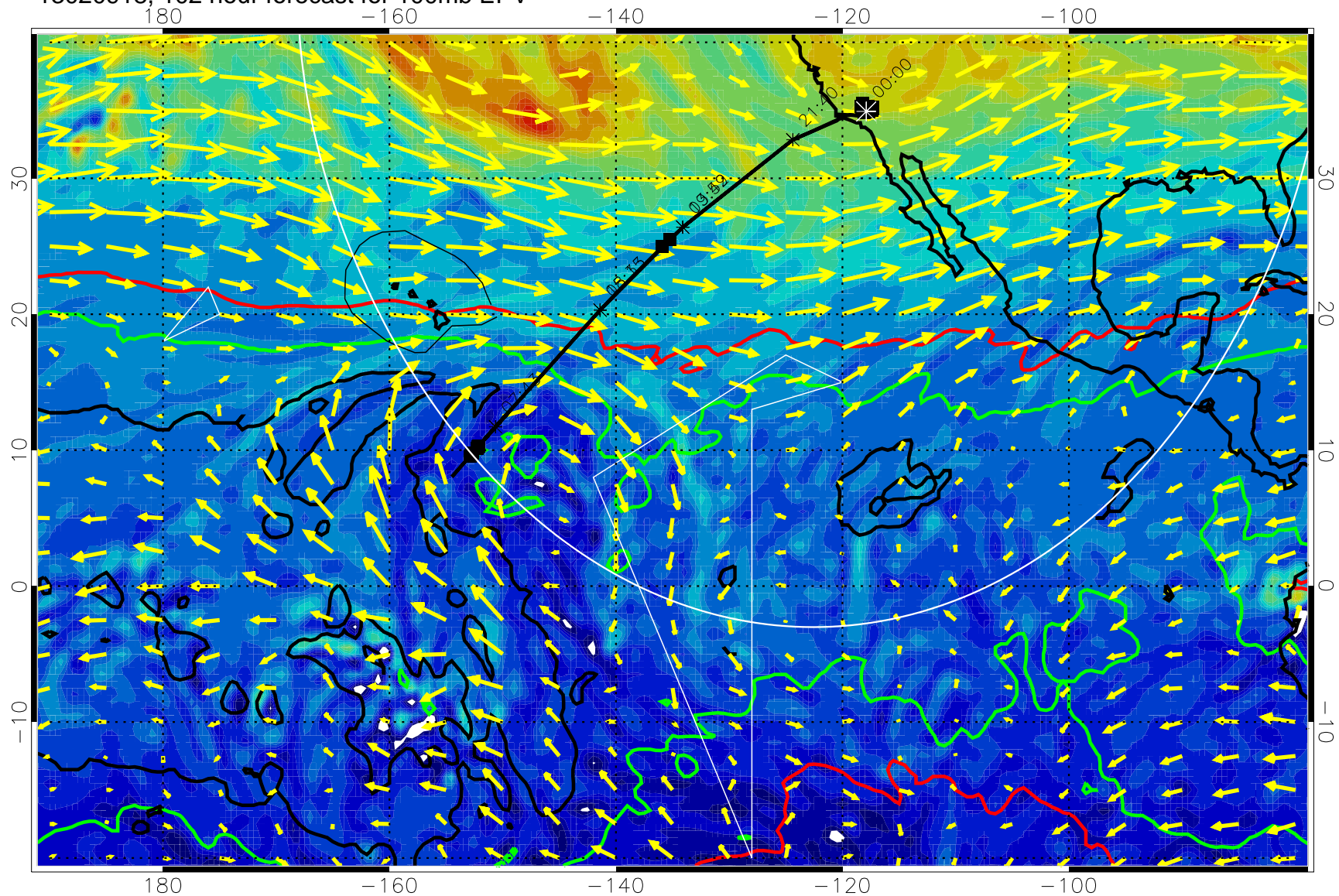
190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

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



13020918, 102 hour forecast for 100mb EPV

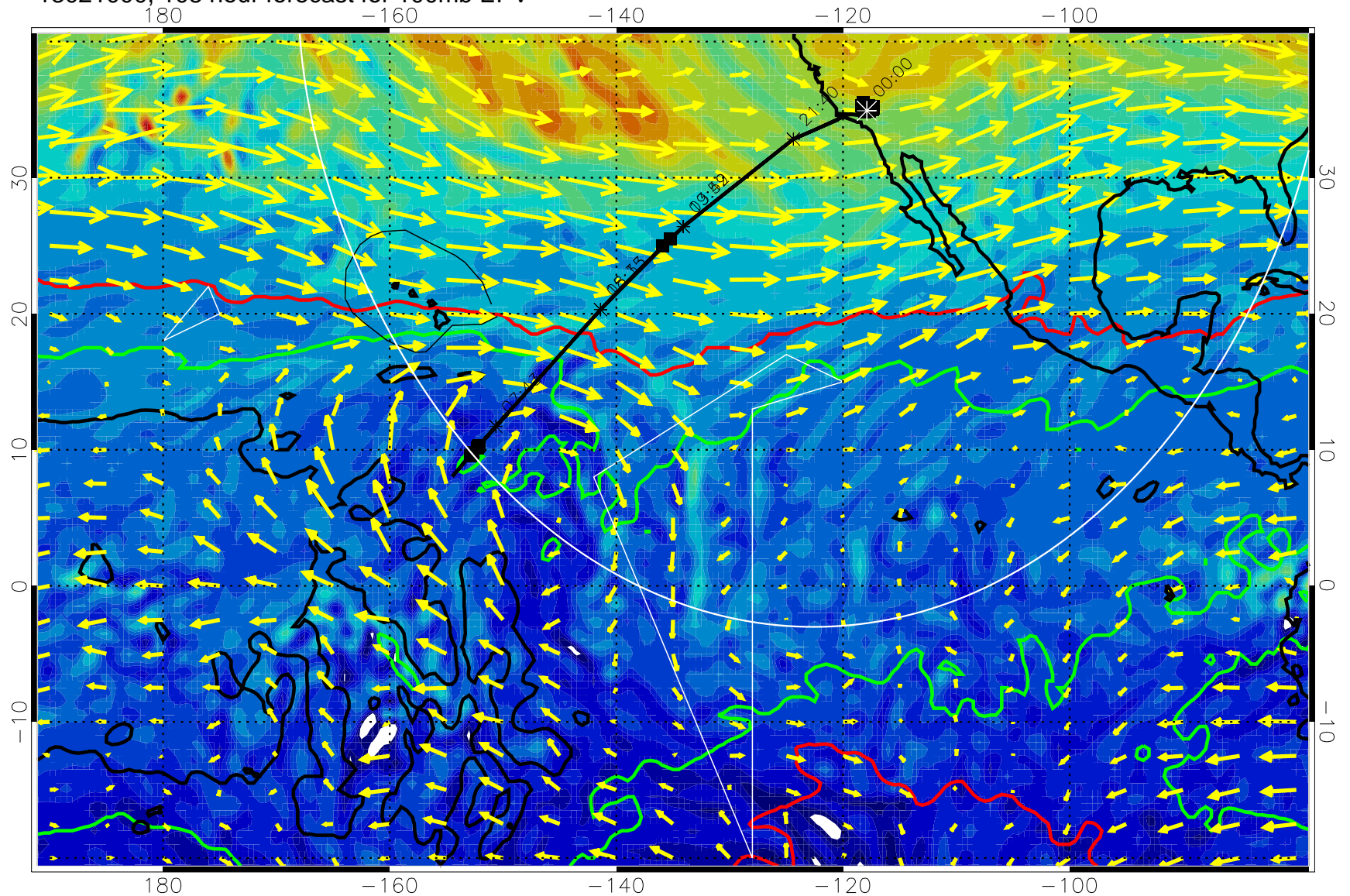


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

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

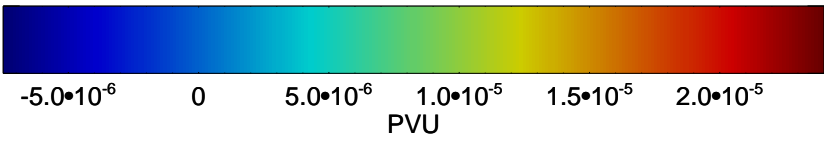
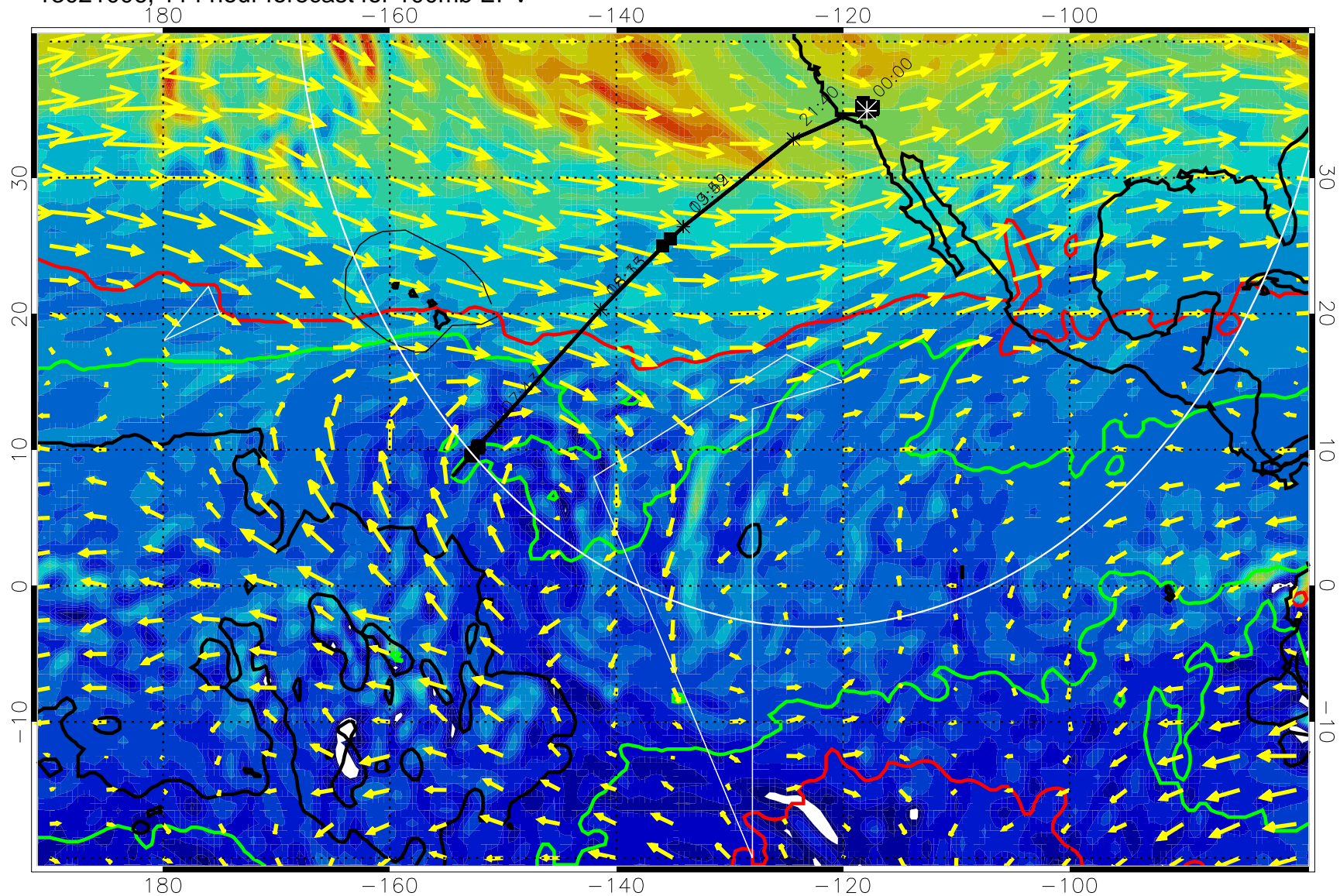
13021000, 108 hour forecast for 100mb EPV



190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s  
Range ring of 4055 km -- 13 hours GH round trip

13021006, 114 hour forecast for 100mb EPV

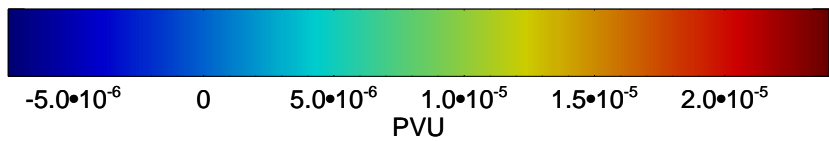
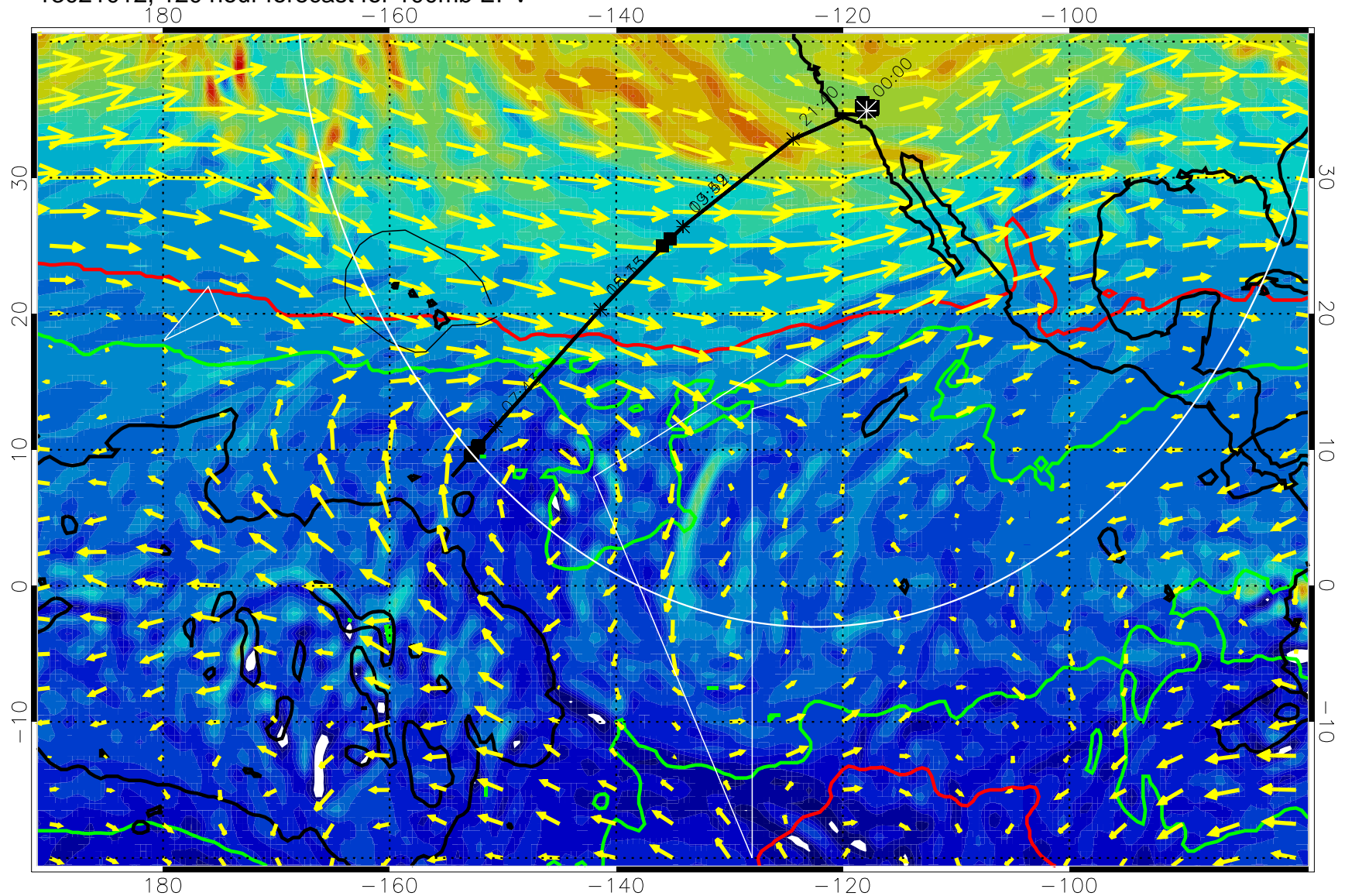


190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

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

13021012, 120 hour forecast for 100mb EPV



190K Isotherm 192.5K Isotherm 195K Isotherm

→ 50 m/s

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