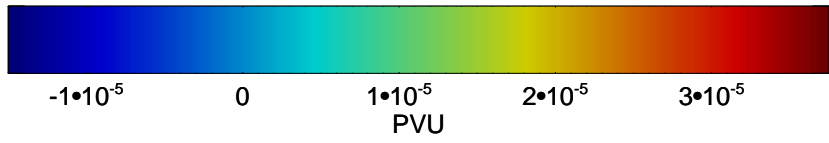
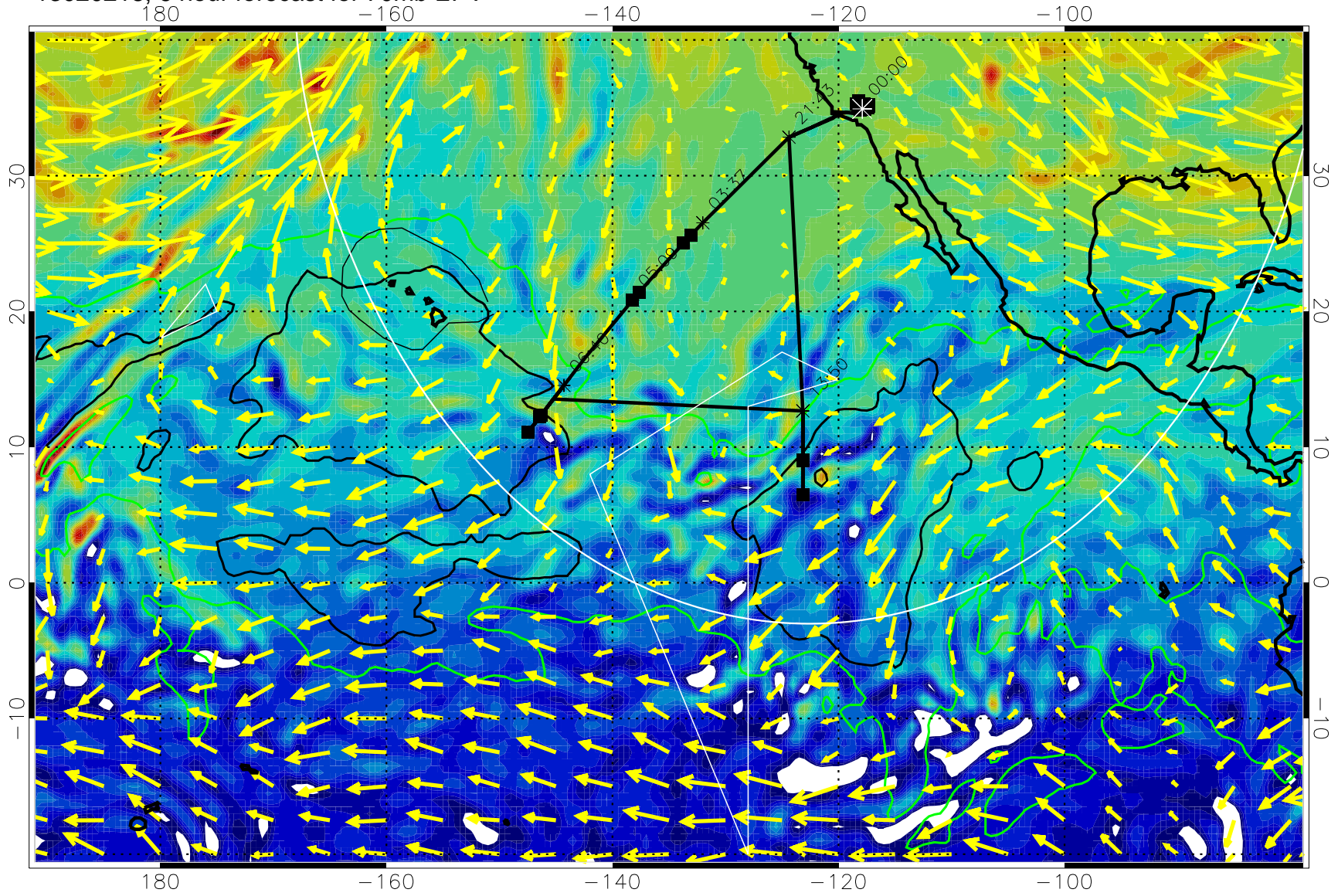


13020218, 6 hour forecast for 70mb EPV

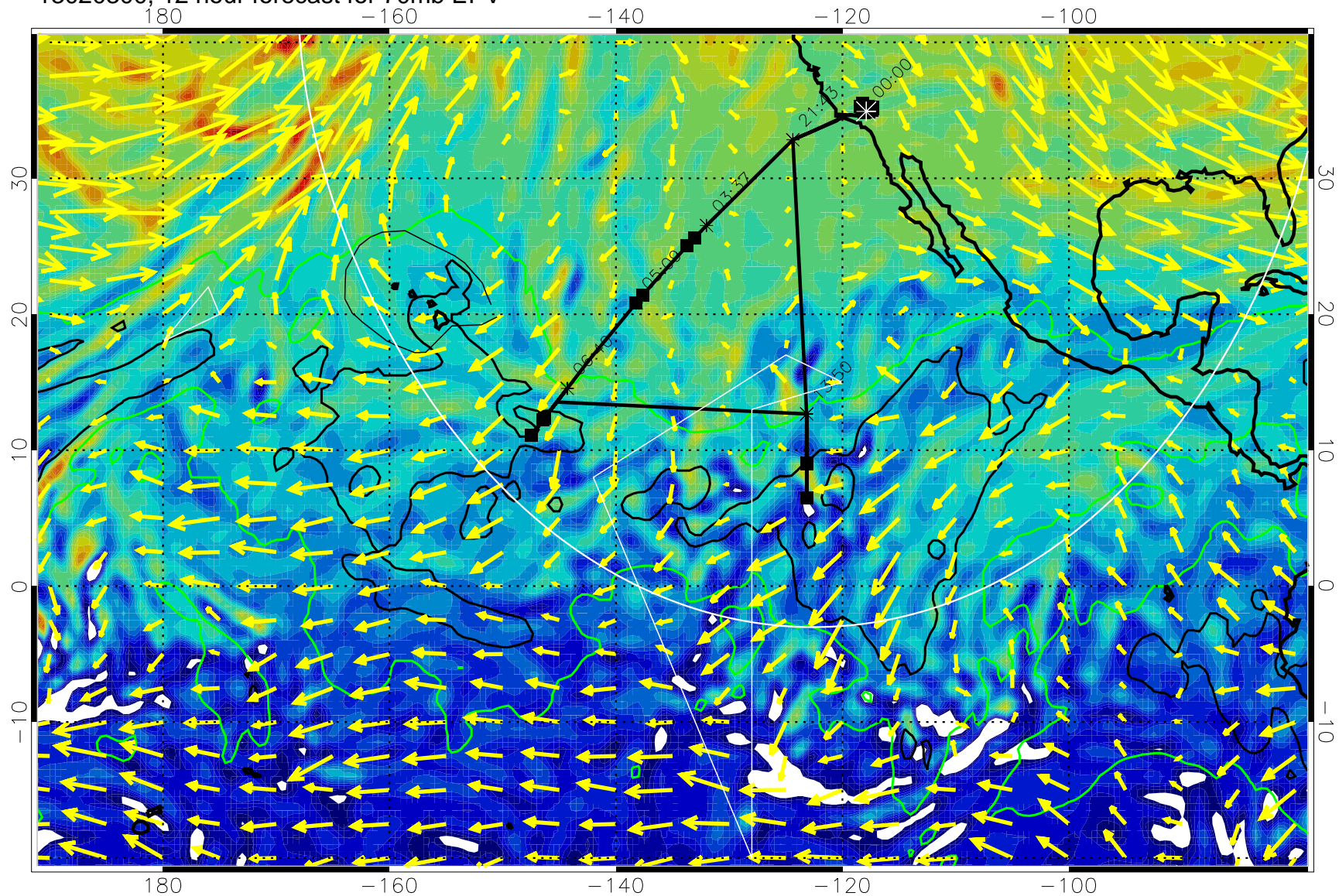


190K Isotherm 192.5K Isotherm

→ 30 m/s

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

13020300, 12 hour forecast for 70mb EPV

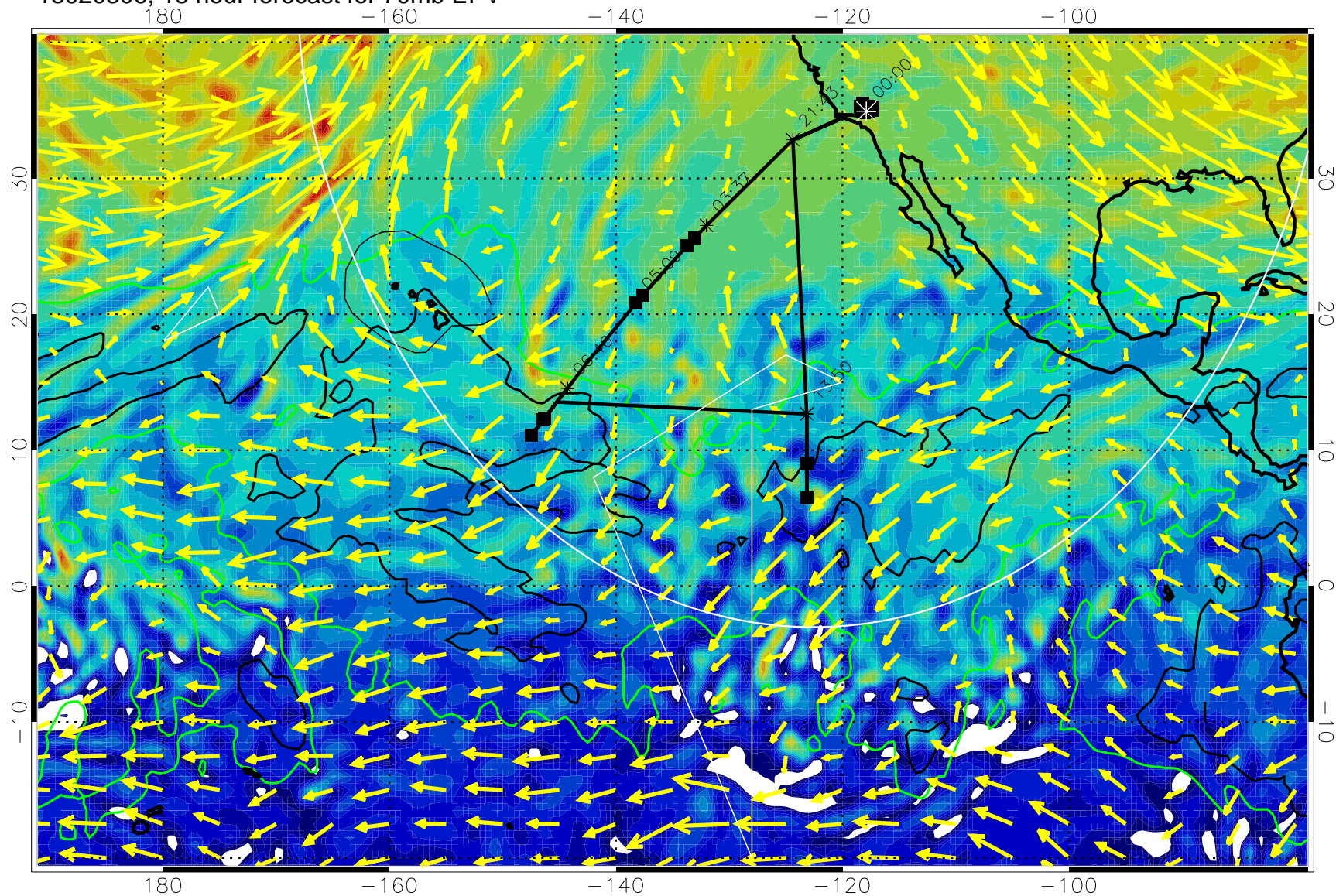


190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13020306, 18 hour forecast for 70mb EPV



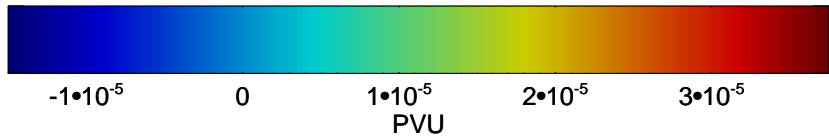
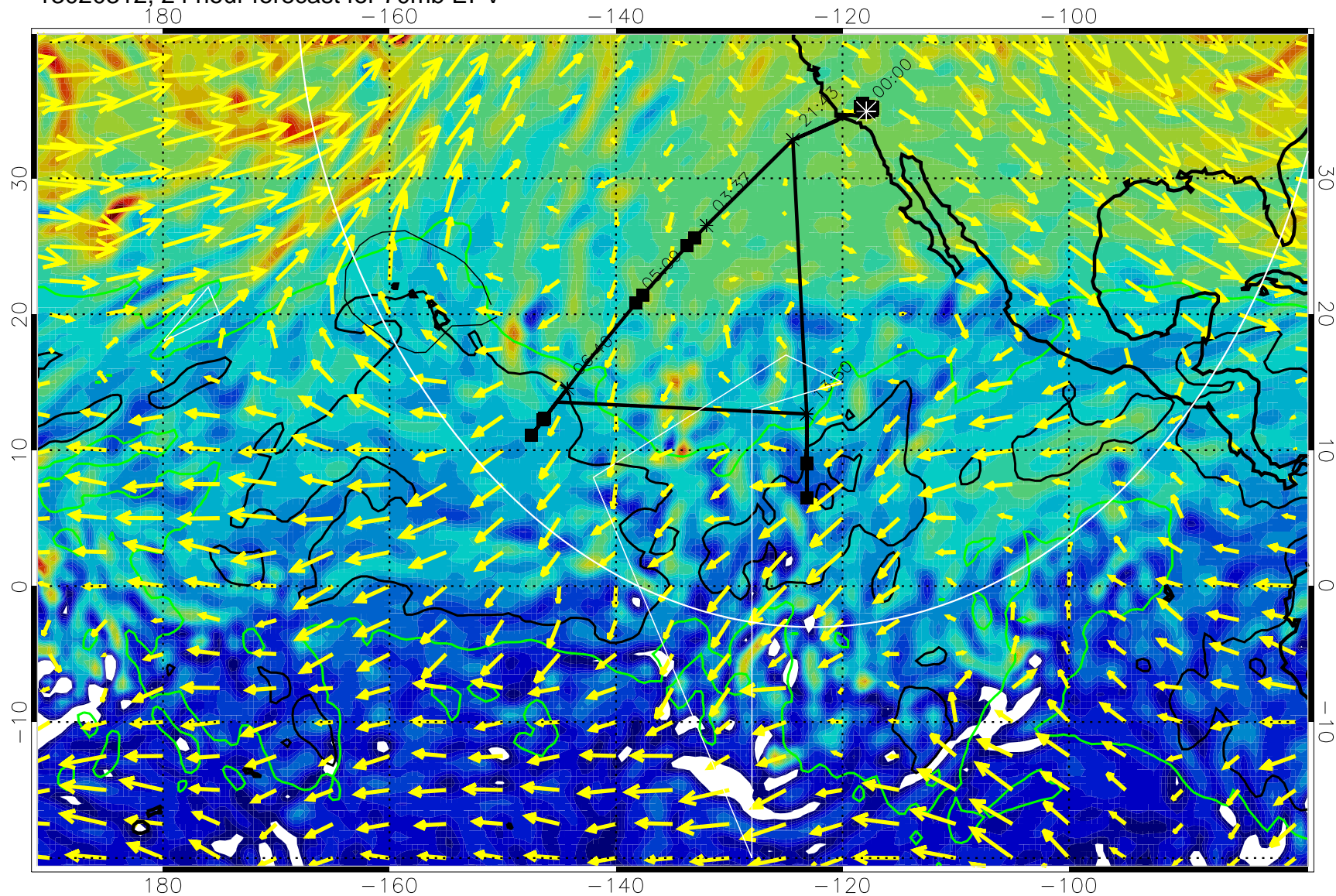
-1•10<sup>-5</sup>      0      1•10<sup>-5</sup>      2•10<sup>-5</sup>      3•10<sup>-5</sup>  
PVU

190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13020312, 24 hour forecast for 70mb EPV



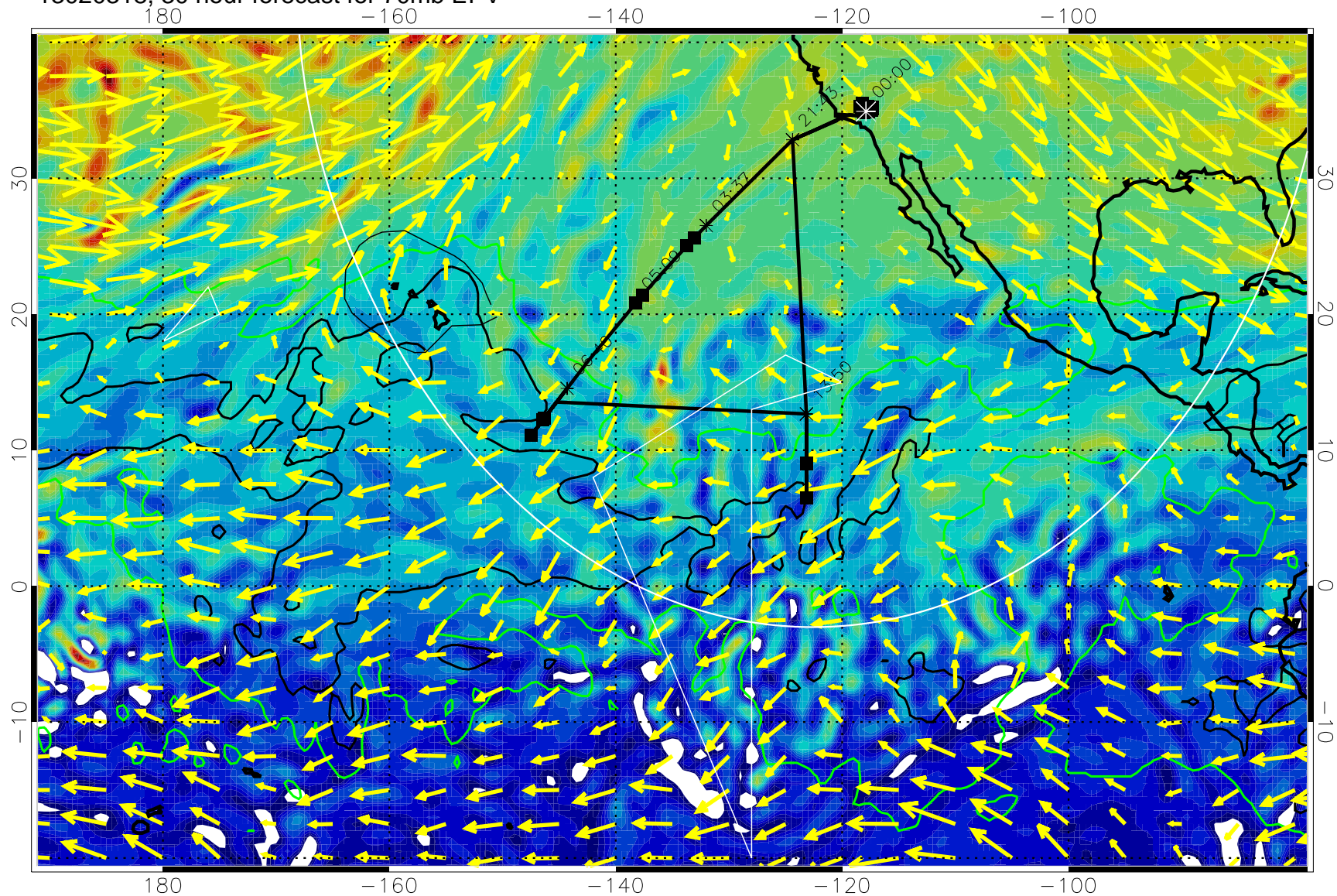
$-1 \cdot 10^{-5}$     0     $1 \cdot 10^{-5}$      $2 \cdot 10^{-5}$      $3 \cdot 10^{-5}$   
PVU

190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13020318, 30 hour forecast for 70mb EPV



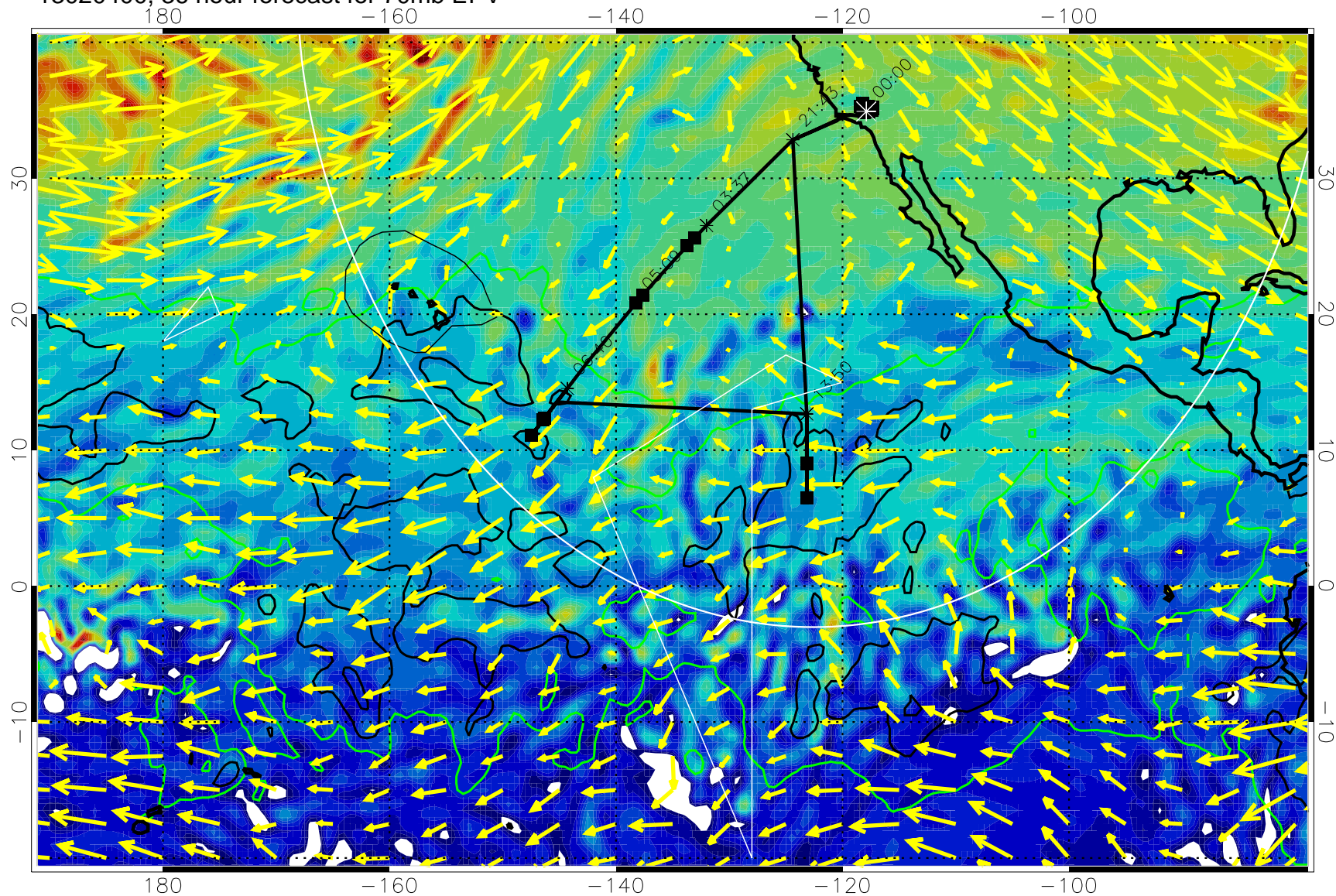
$-1 \cdot 10^{-5}$     0     $1 \cdot 10^{-5}$      $2 \cdot 10^{-5}$      $3 \cdot 10^{-5}$   
PVU

190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13020400, 36 hour forecast for 70mb EPV



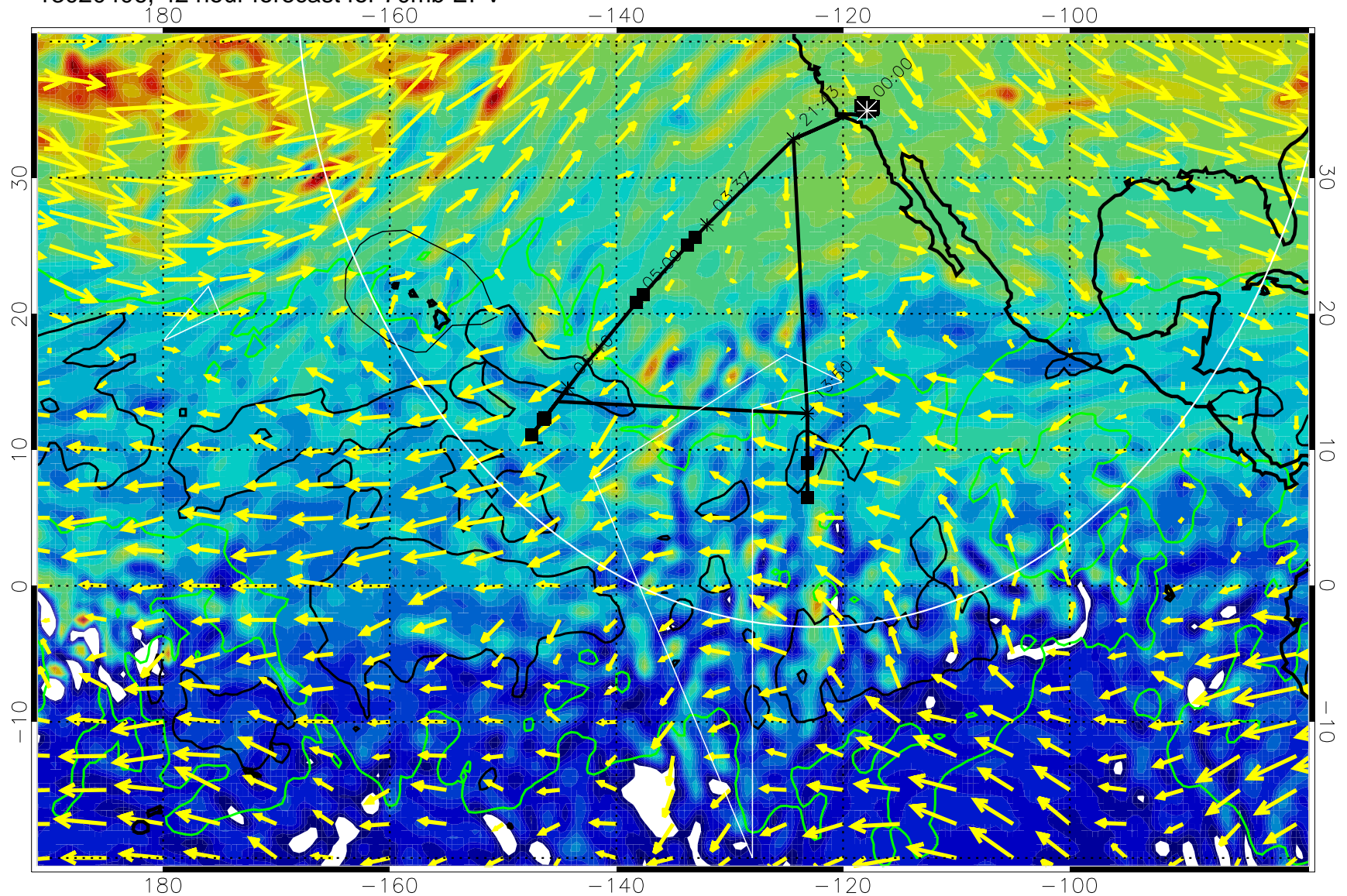
$-1 \cdot 10^{-5}$     0     $1 \cdot 10^{-5}$      $2 \cdot 10^{-5}$      $3 \cdot 10^{-5}$   
PVU

190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13020406, 42 hour forecast for 70mb EPV

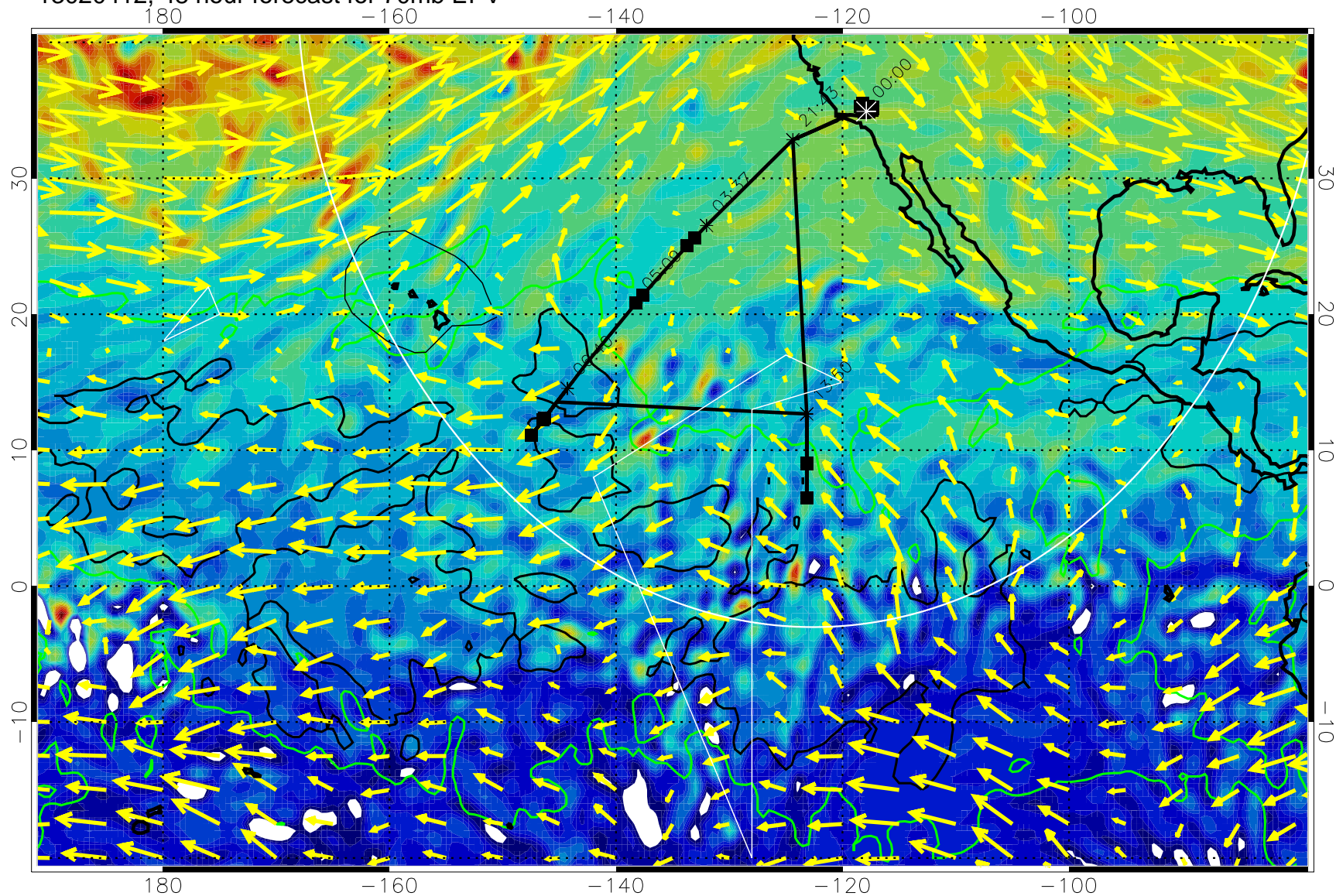


190K Isotherm 192.5K Isotherm

→ 30 m/s

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

13020412, 48 hour forecast for 70mb EPV



$-1 \cdot 10^{-5}$     0     $1 \cdot 10^{-5}$      $2 \cdot 10^{-5}$      $3 \cdot 10^{-5}$   
PVU

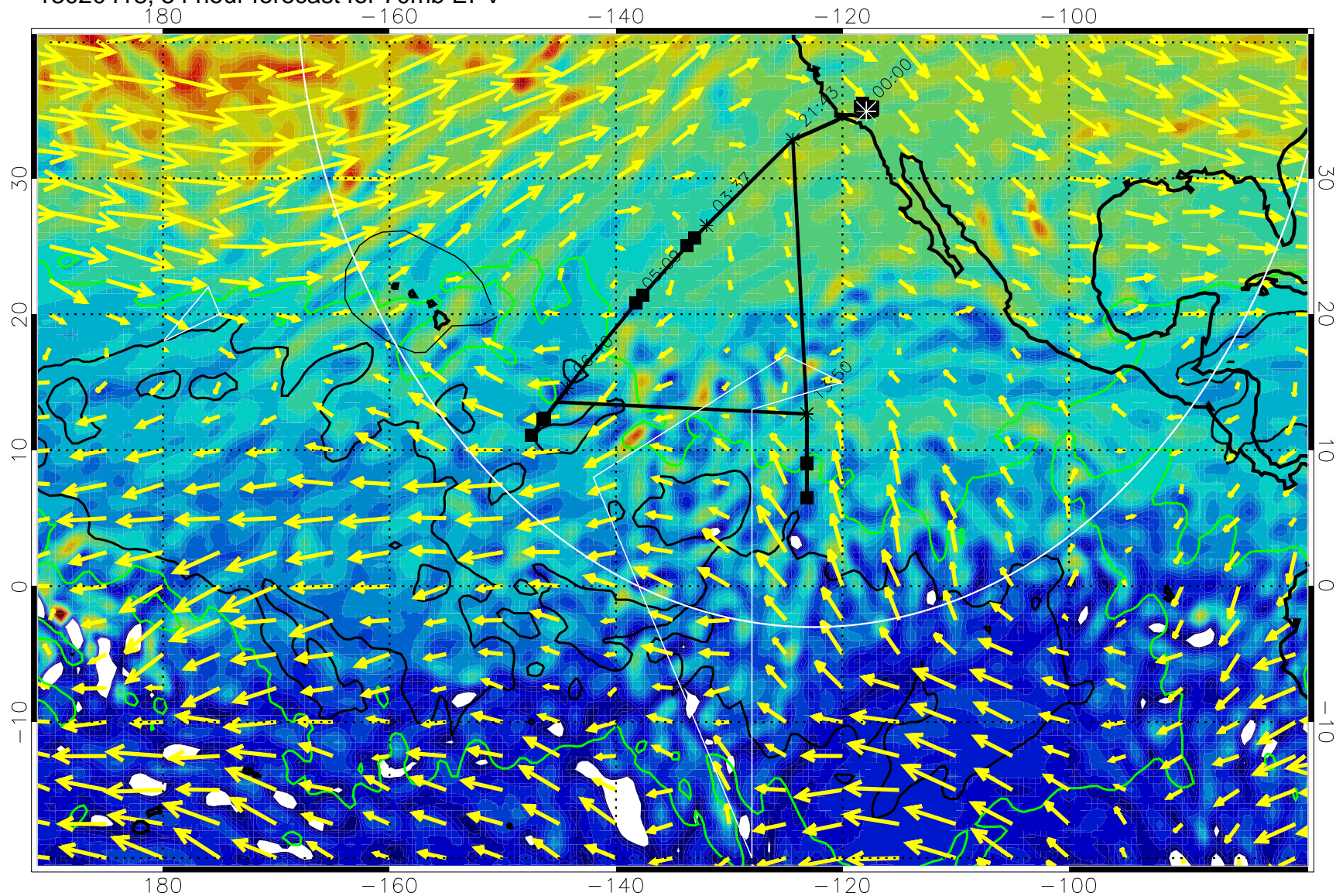
190K Isotherm    192.5K Isotherm

→ 30 m/s

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



13020418, 54 hour forecast for 70mb EPV

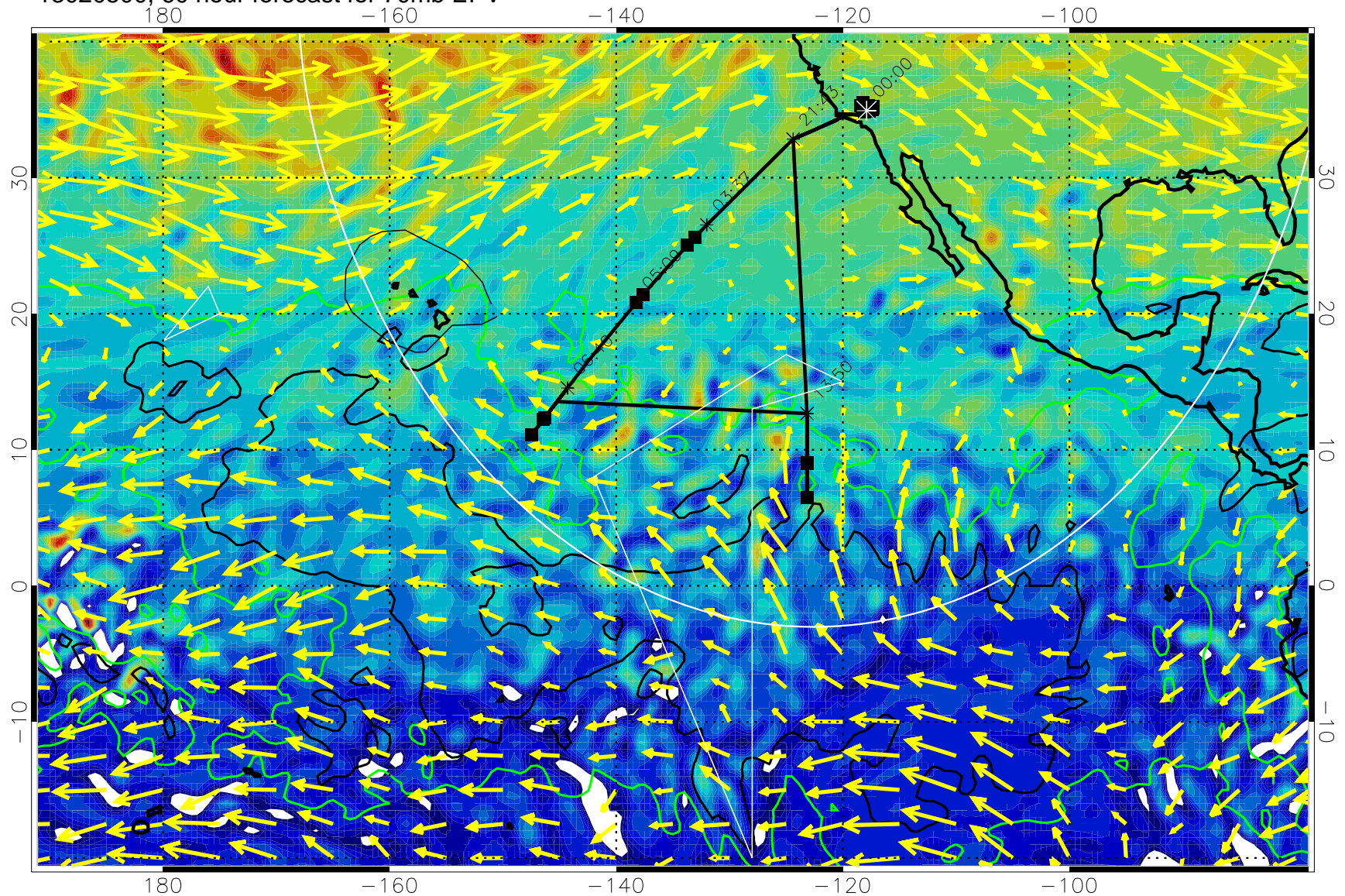


190K Isotherm 192.5K Isotherm

→ 30 m/s

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

13020500, 60 hour forecast for 70mb EPV

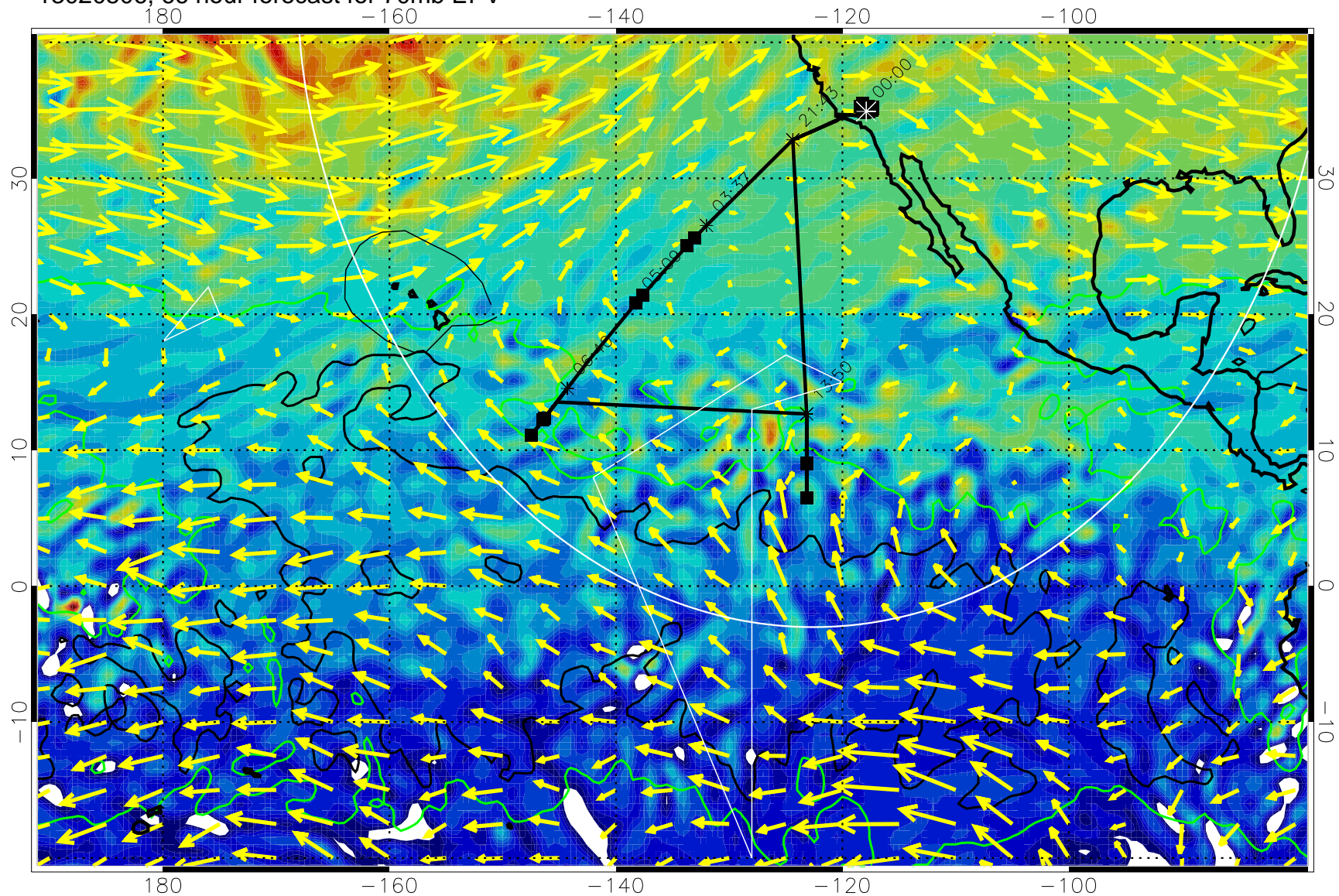


190K Isotherm 192.5K Isotherm

→ 30 m/s

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

13020506, 66 hour forecast for 70mb EPV



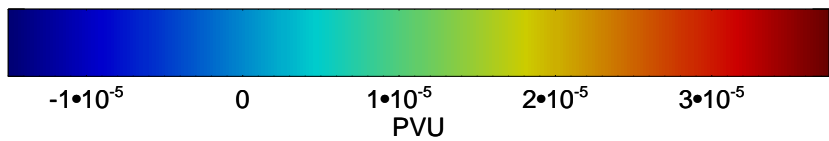
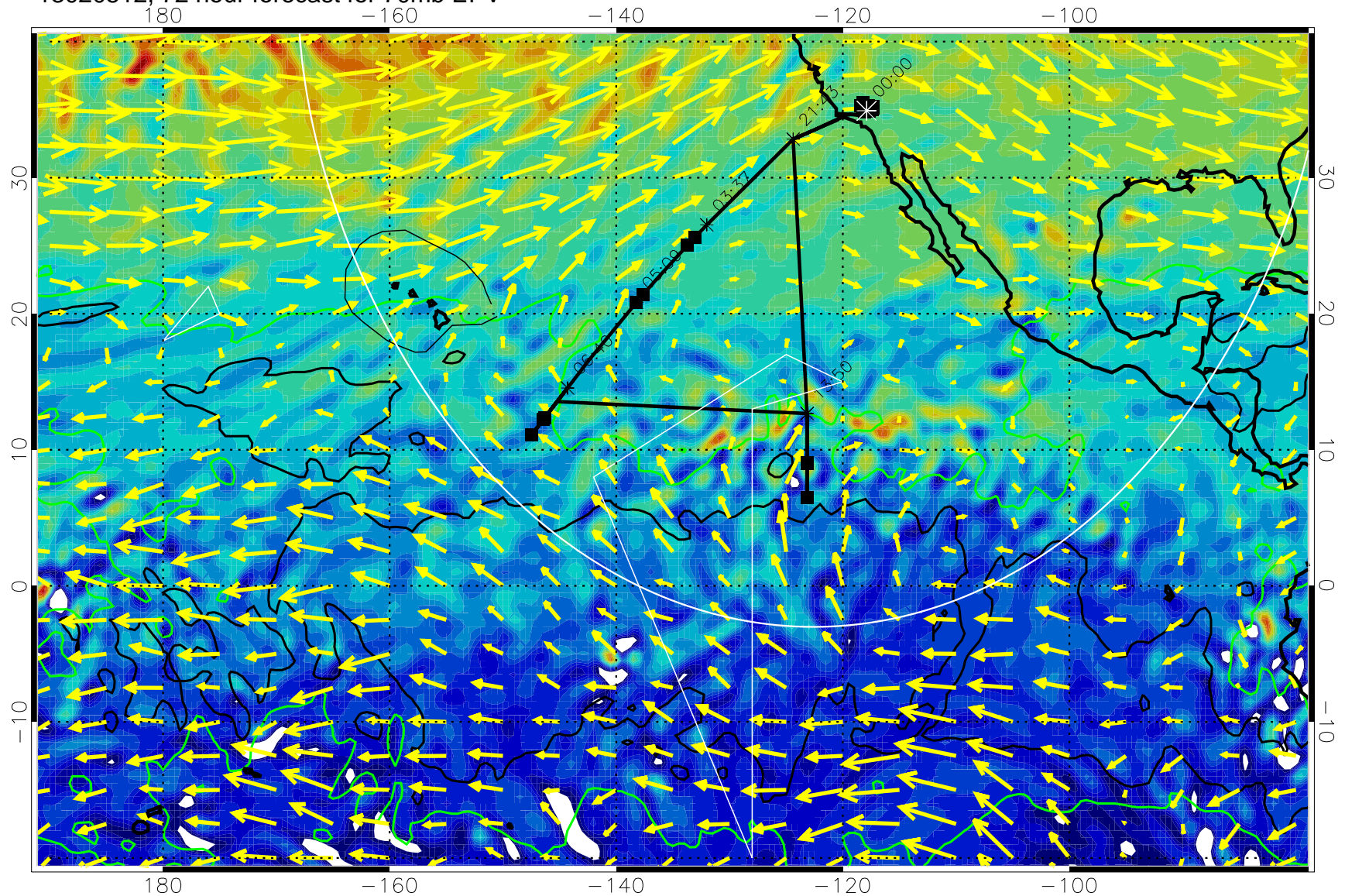
$-1 \cdot 10^{-5}$     0     $1 \cdot 10^{-5}$      $2 \cdot 10^{-5}$      $3 \cdot 10^{-5}$   
PVU

190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13020512, 72 hour forecast for 70mb EPV

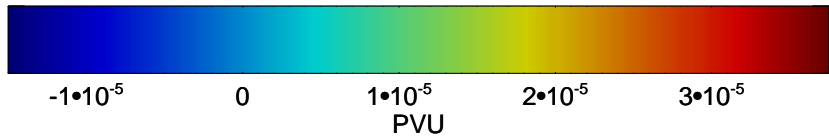
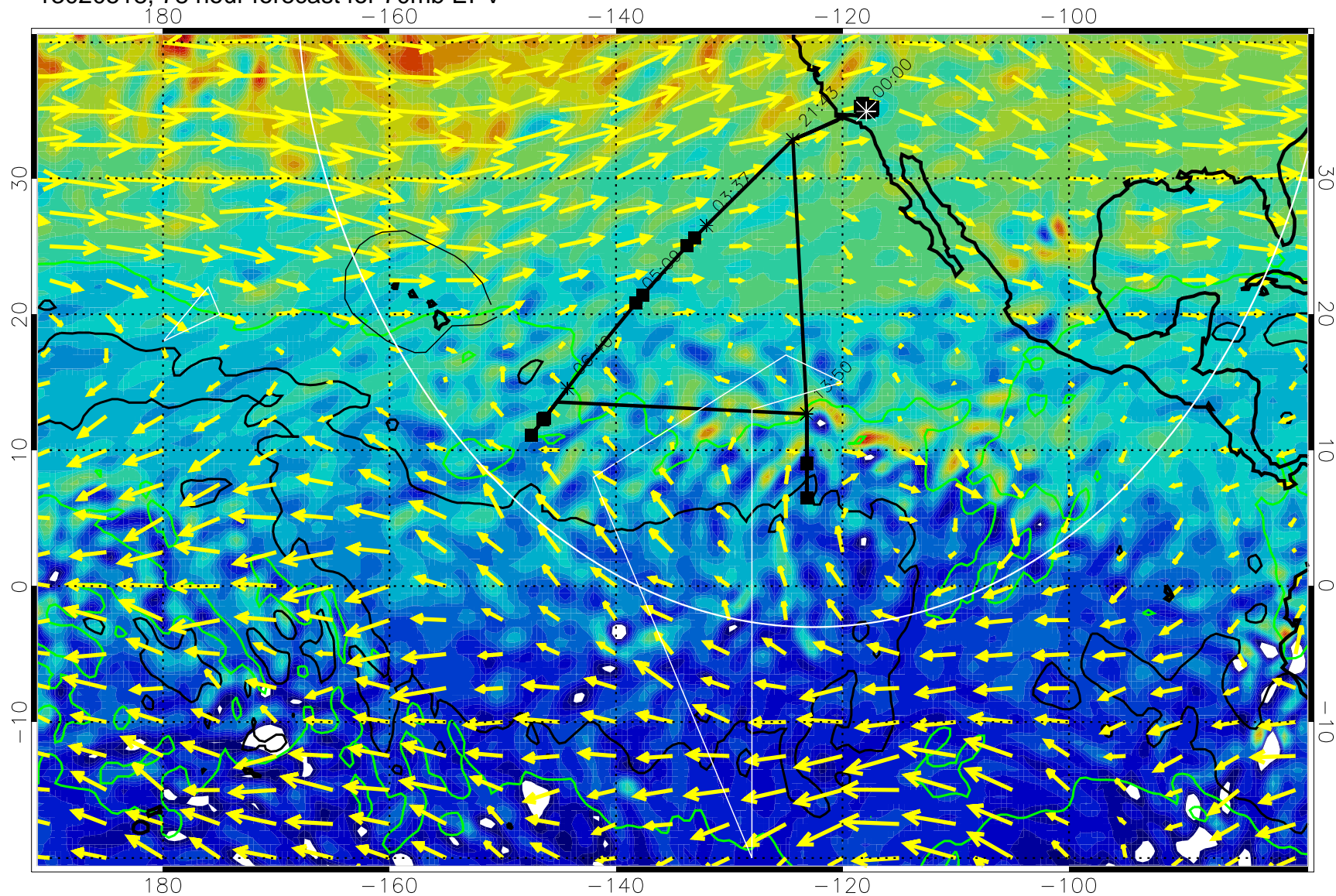


190K Isotherm 192.5K Isotherm

→ 30 m/s

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

13020518, 78 hour forecast for 70mb EPV

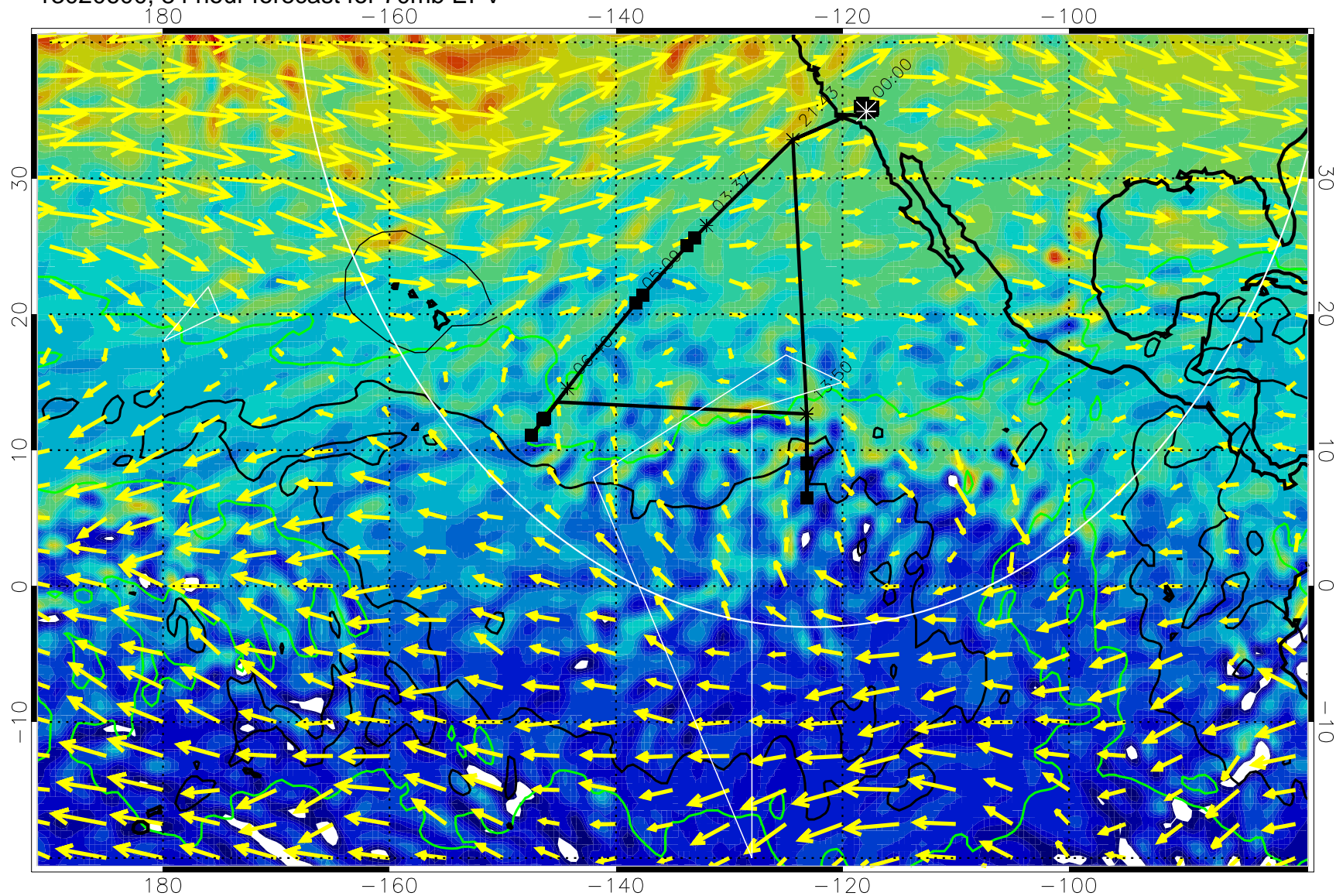


190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13020600, 84 hour forecast for 70mb EPV



-1.0 × 10<sup>-5</sup>

0

1.0 × 10<sup>-5</sup>

PVU

2.0 × 10<sup>-5</sup>

3.0 × 10<sup>-5</sup>

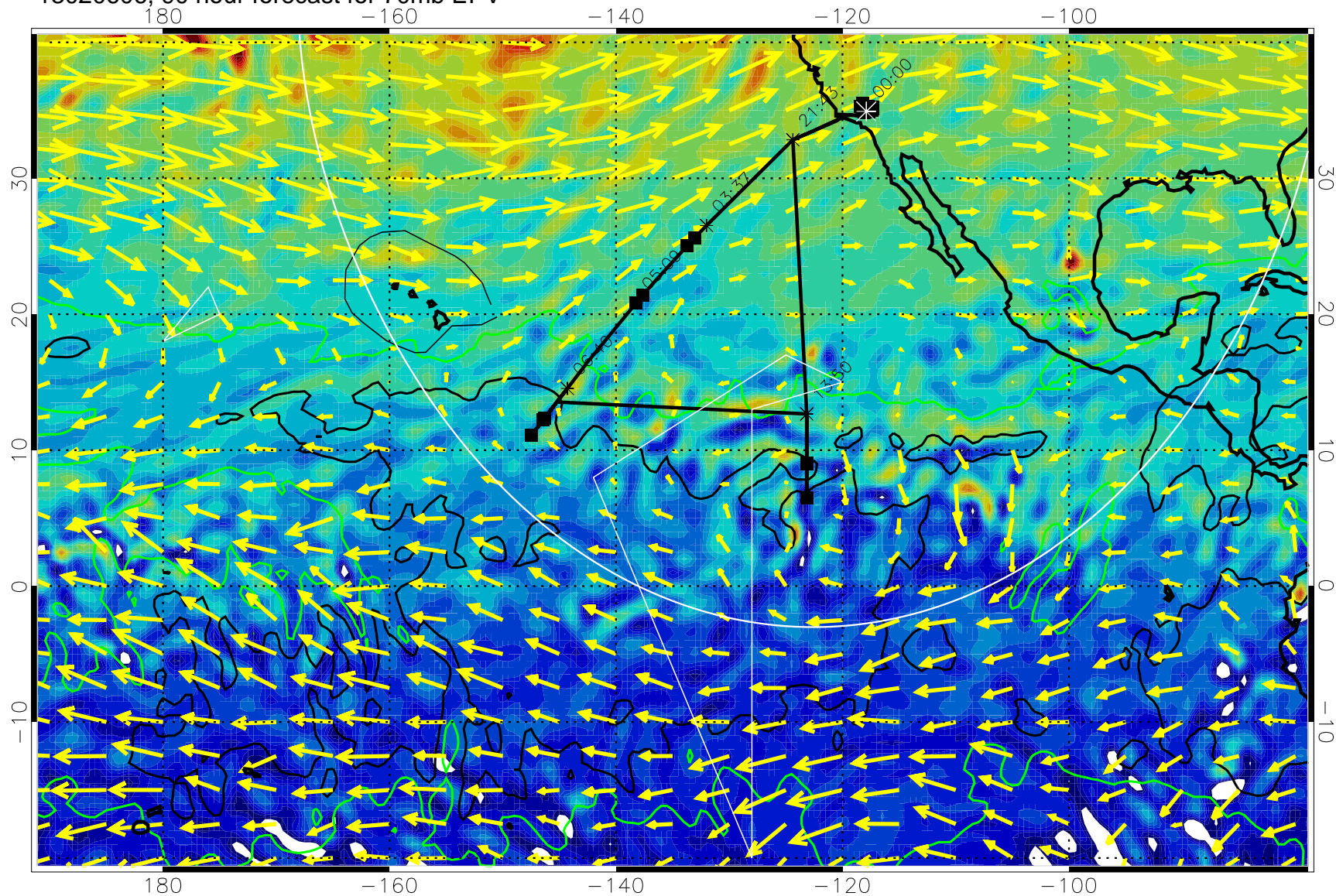
190K Isotherm

192.5K Isotherm

→ 30 m/s

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

13020606, 90 hour forecast for 70mb EPV



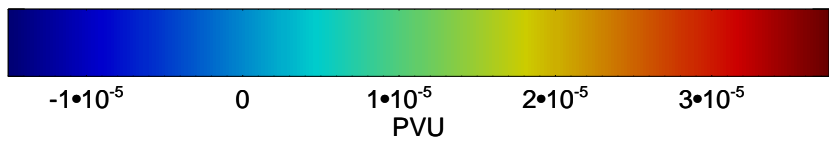
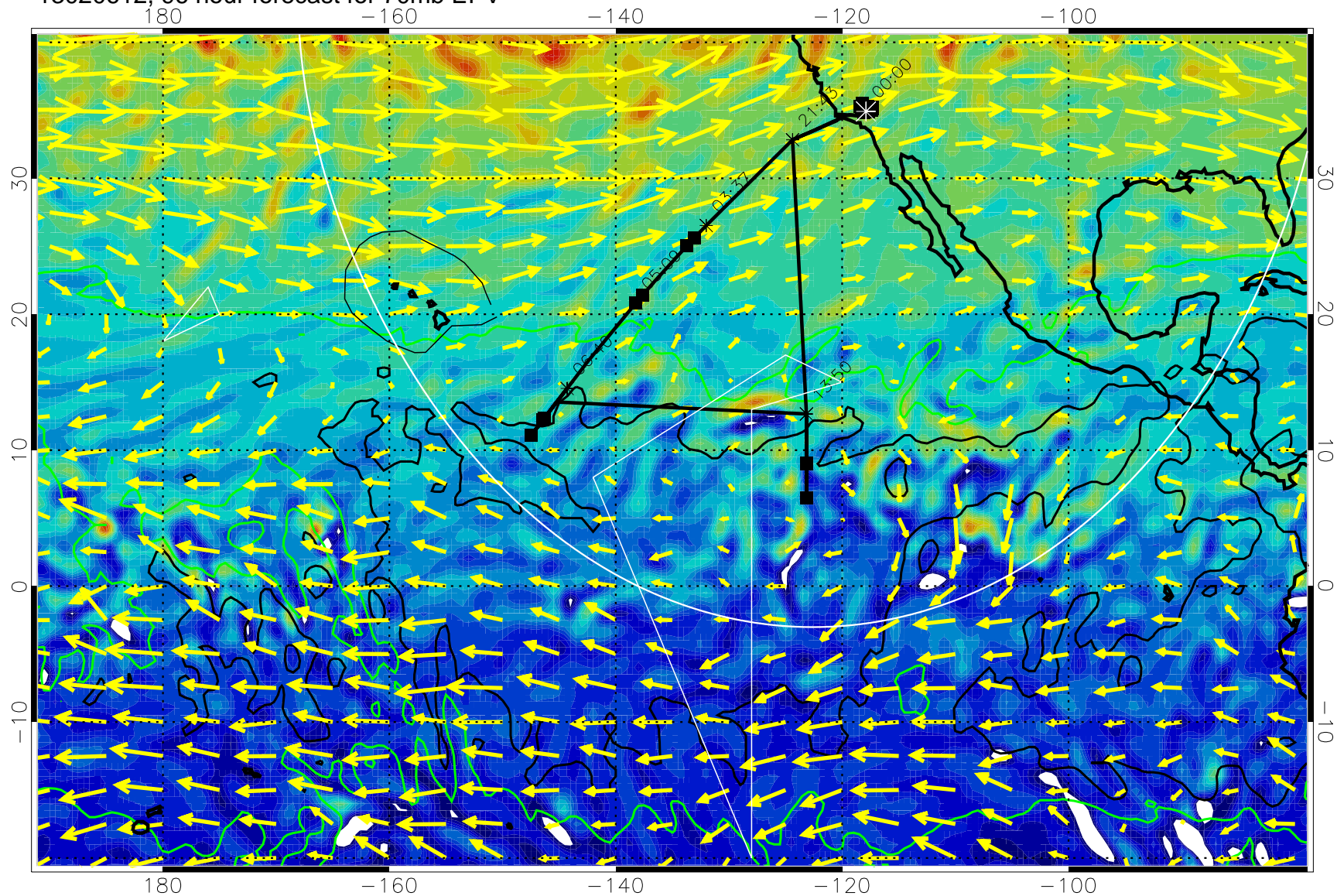
$-1 \cdot 10^{-5}$     0     $1 \cdot 10^{-5}$      $2 \cdot 10^{-5}$      $3 \cdot 10^{-5}$   
PVU

190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13020612, 96 hour forecast for 70mb EPV



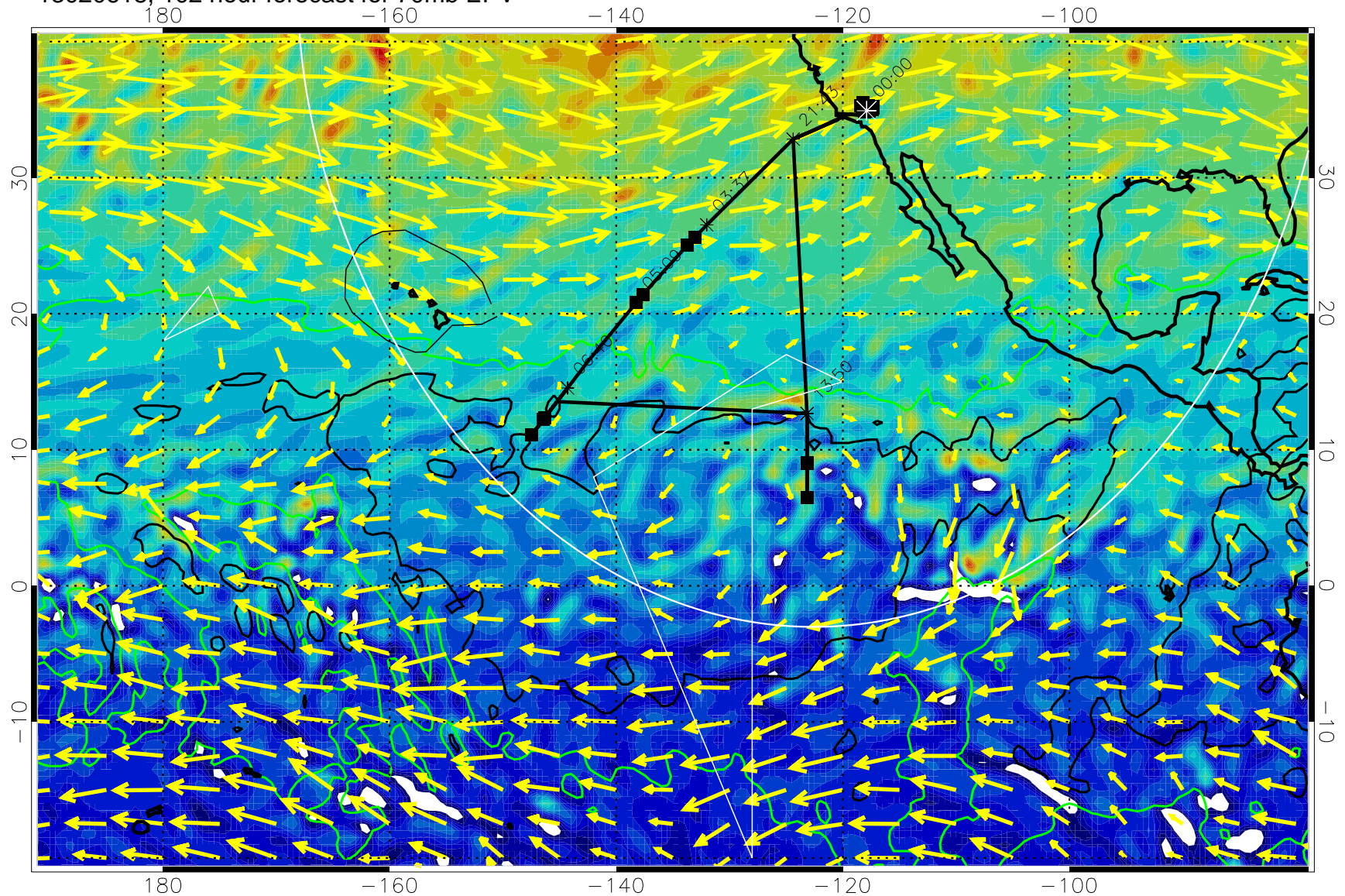
190K Isotherm 192.5K Isotherm

→ 30 m/s

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



13020618, 102 hour forecast for 70mb EPV



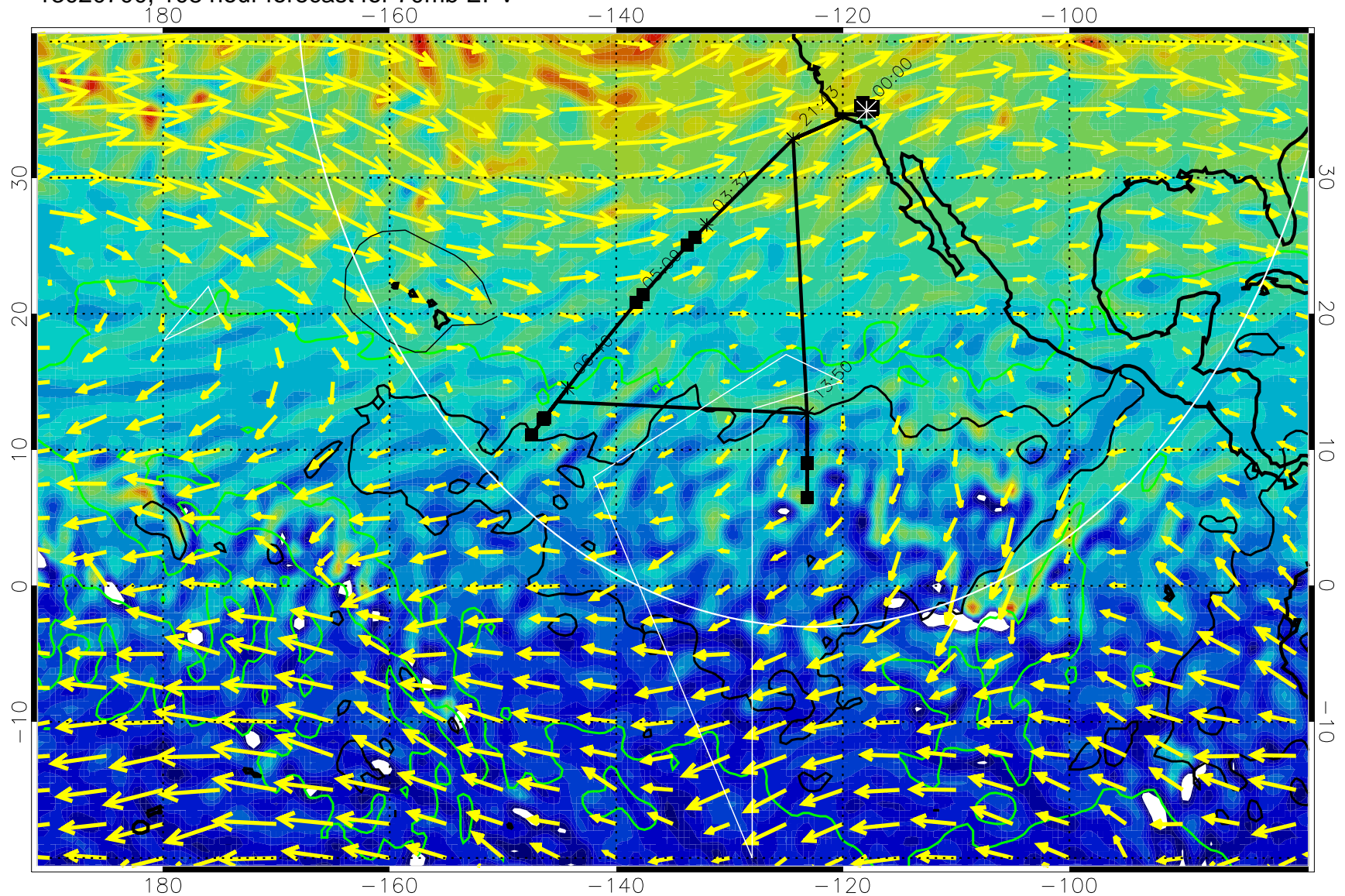
$-1 \cdot 10^{-5}$     0     $1 \cdot 10^{-5}$      $2 \cdot 10^{-5}$      $3 \cdot 10^{-5}$   
PVU

190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13020700, 108 hour forecast for 70mb EPV



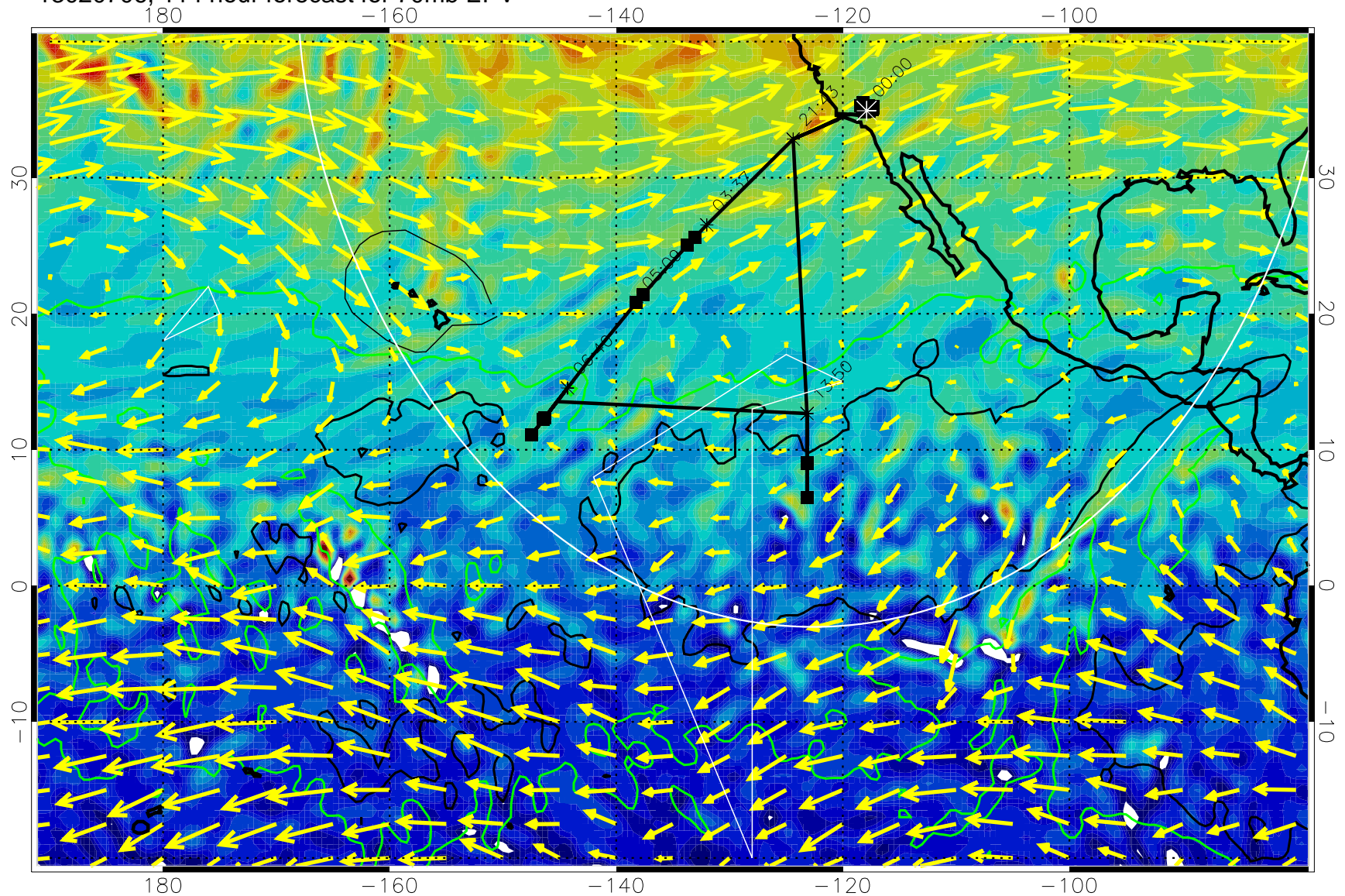
$-1 \cdot 10^{-5}$     0     $1 \cdot 10^{-5}$      $2 \cdot 10^{-5}$      $3 \cdot 10^{-5}$   
PVU

190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13020706, 114 hour forecast for 70mb EPV



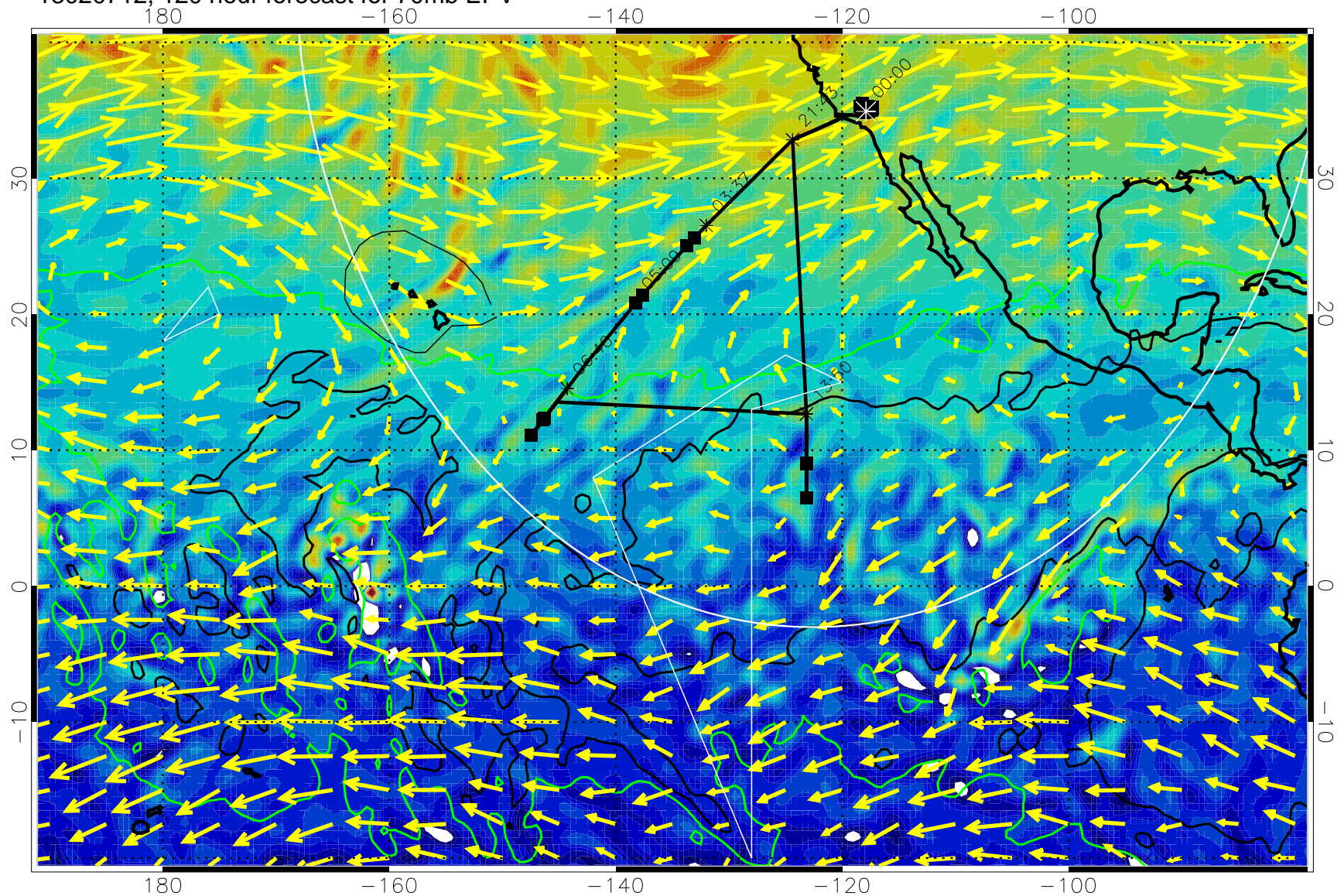
$-1 \cdot 10^{-5}$     0     $1 \cdot 10^{-5}$      $2 \cdot 10^{-5}$      $3 \cdot 10^{-5}$   
PVU

190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13020712, 120 hour forecast for 70mb EPV



$-1 \cdot 10^{-5}$     0     $1 \cdot 10^{-5}$      $2 \cdot 10^{-5}$      $3 \cdot 10^{-5}$   
PVU

190K Isotherm    192.5K Isotherm

→ 30 m/s

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