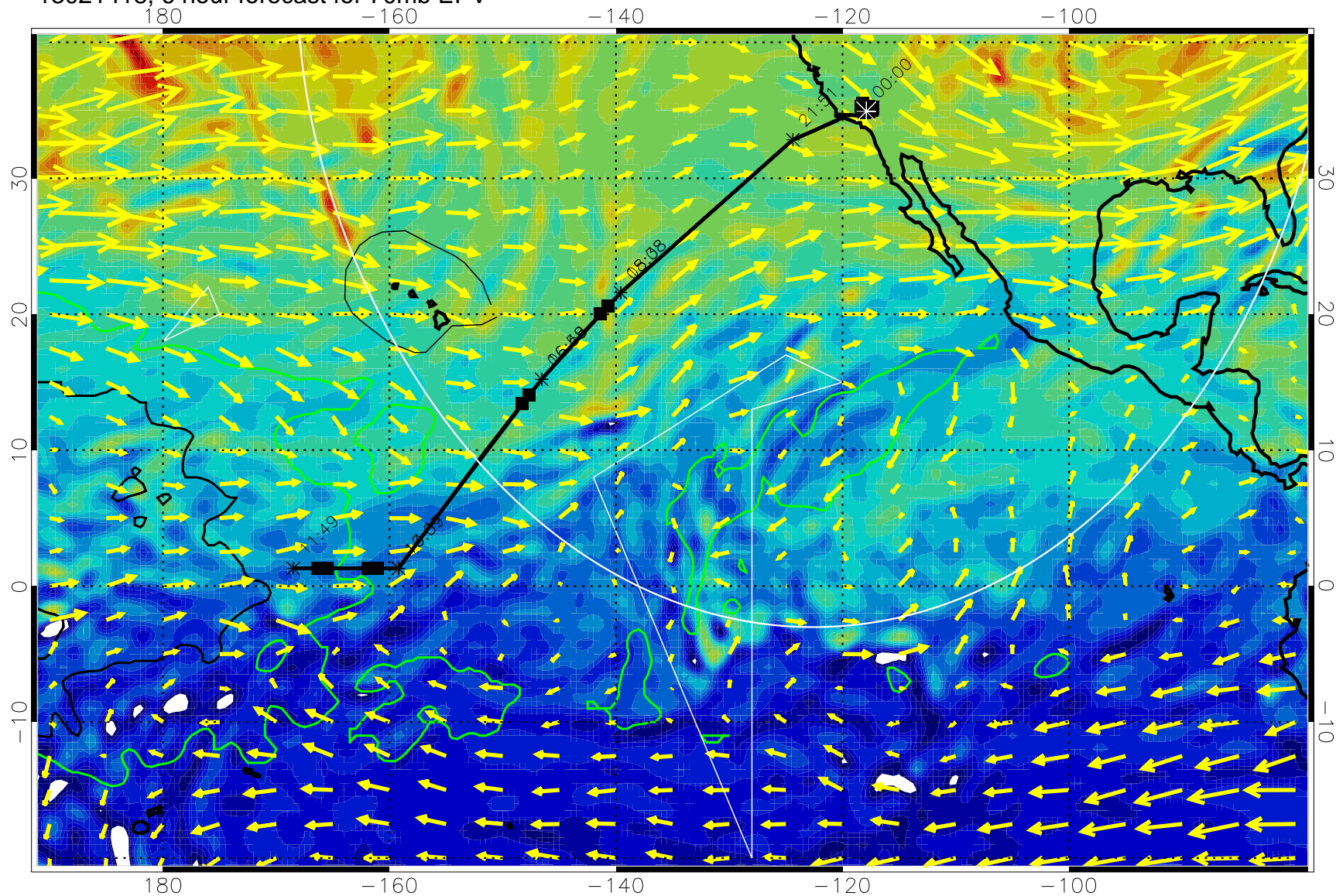


13021418, 6 hour forecast for 70mb EPV



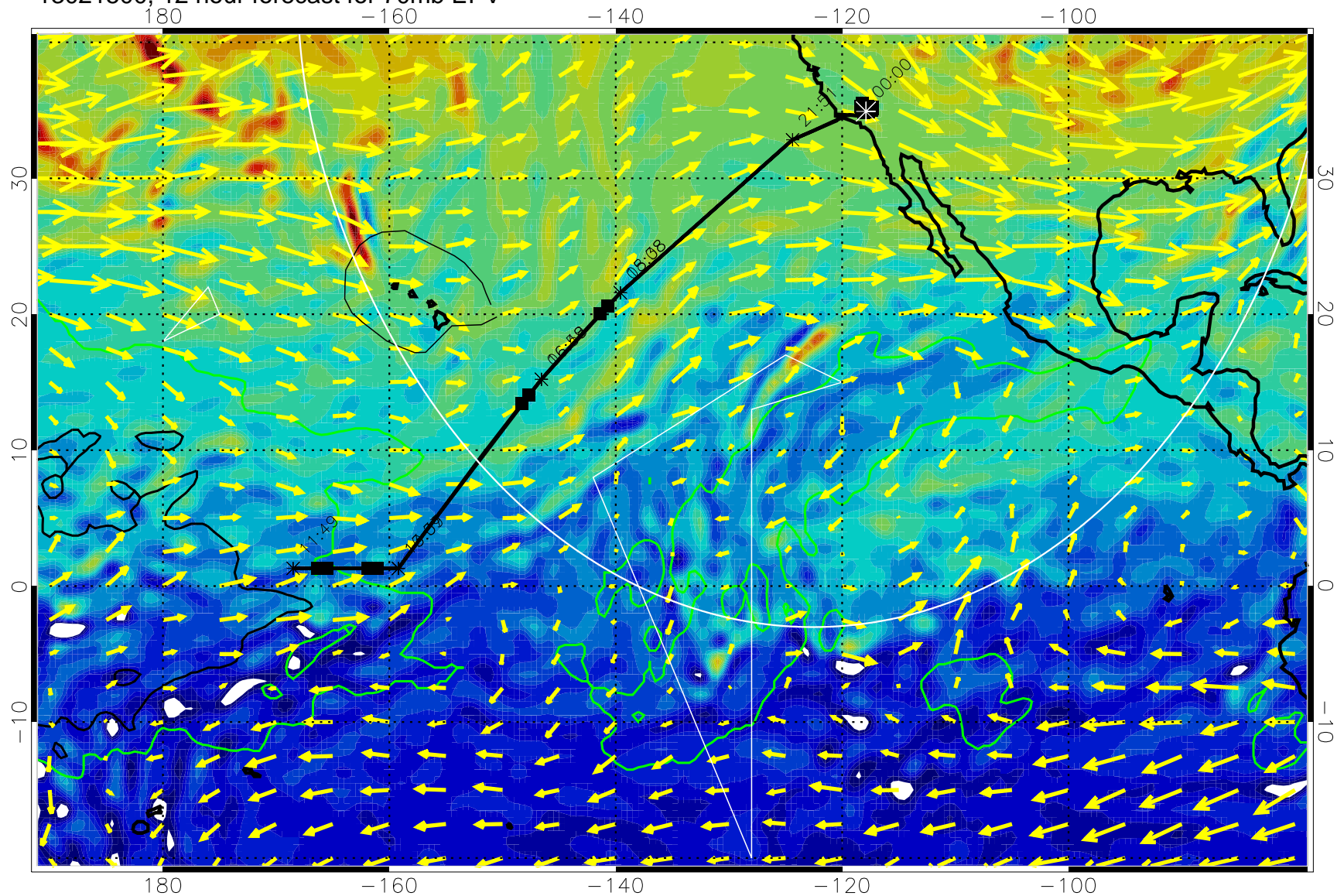
$-1 \cdot 10^{-5}$  0  $1 \cdot 10^{-5}$   $2 \cdot 10^{-5}$   $3 \cdot 10^{-5}$   
PVU

190K Isotherm 192.5K Isotherm

→ 30 m/s

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

13021500, 12 hour forecast for 70mb EPV



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

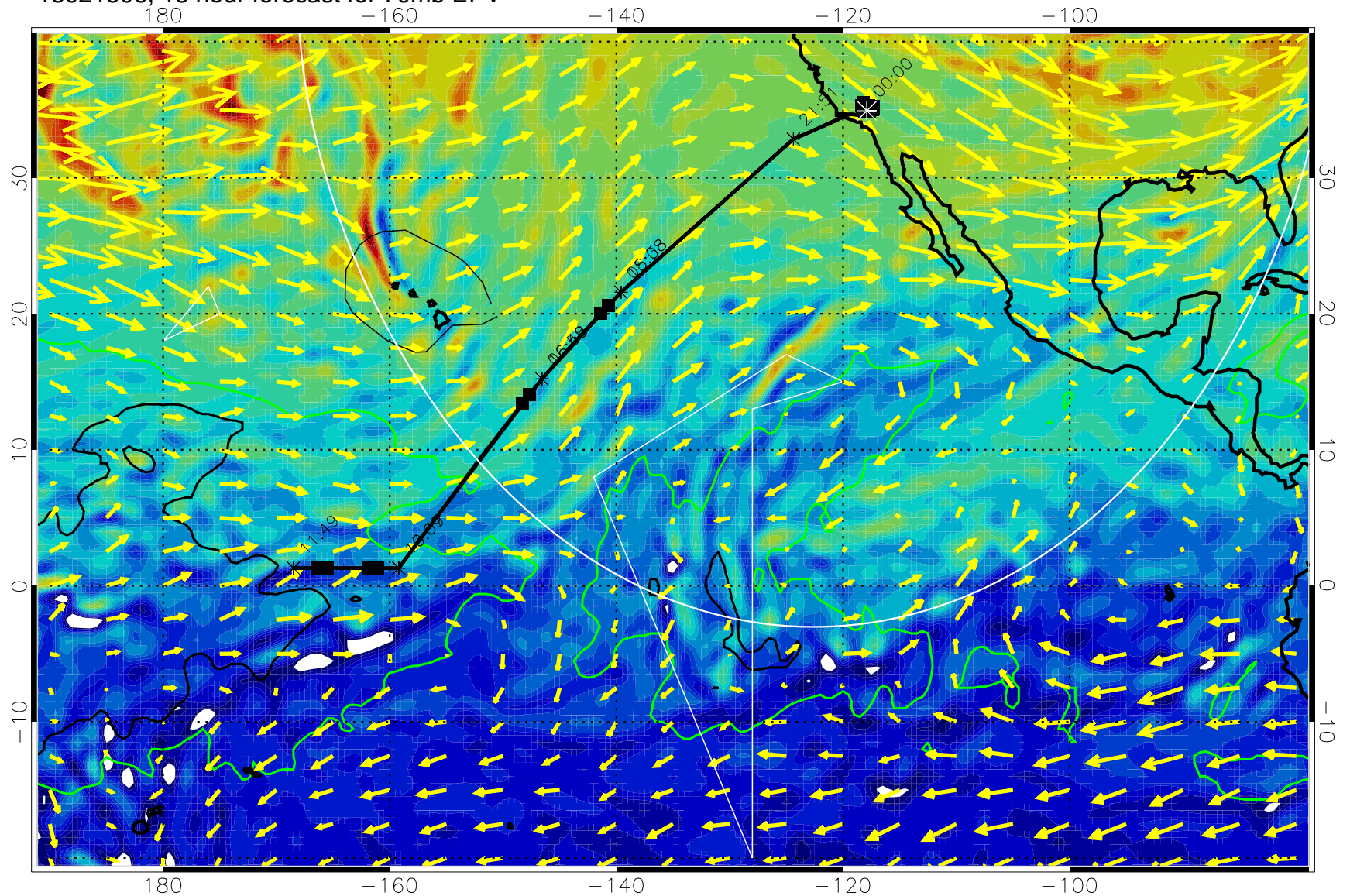
190K Isotherm    192.5K Isotherm

→ 30 m/s

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



13021506, 18 hour forecast for 70mb EPV



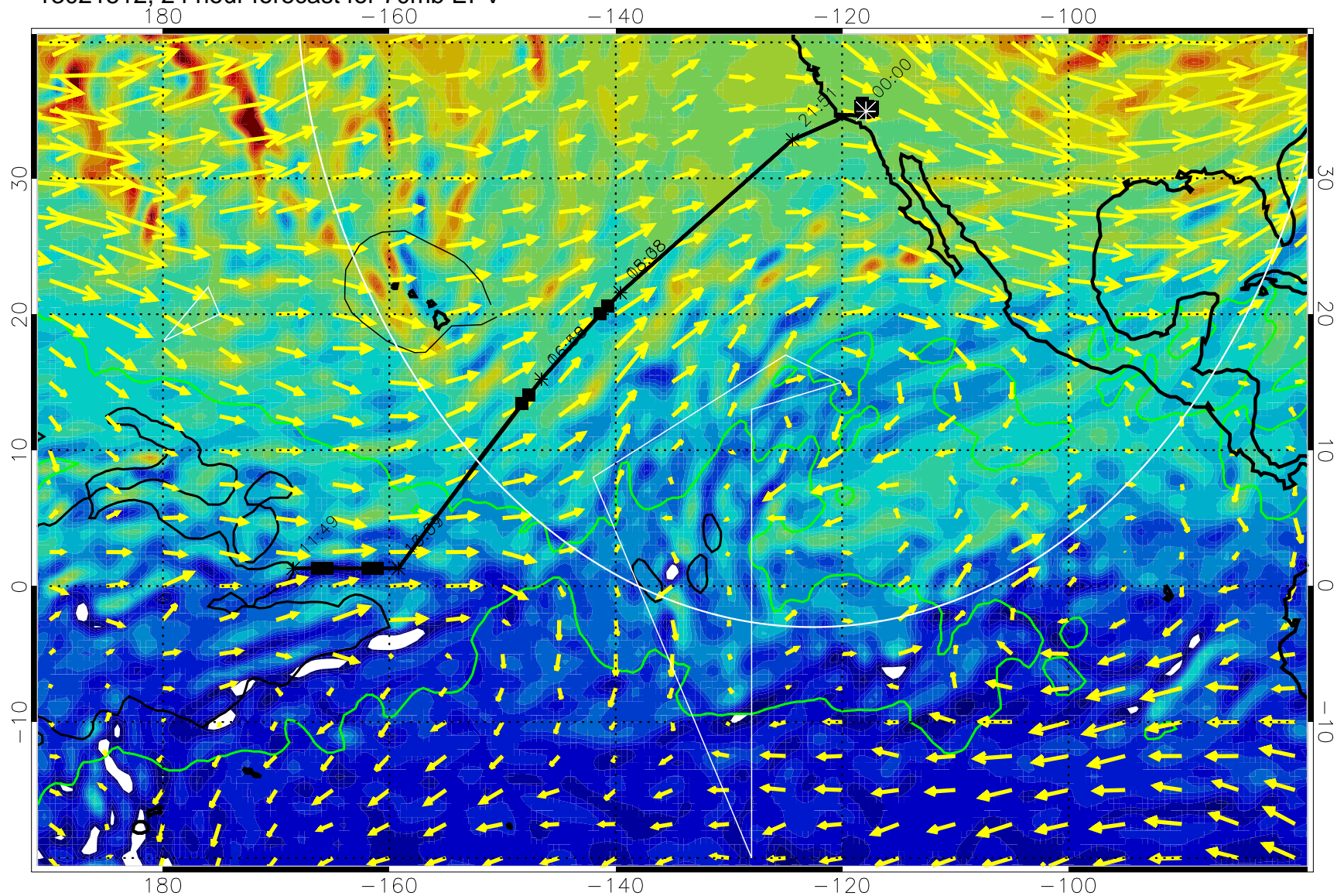
$-1 \cdot 10^{-5}$     0     $1 \cdot 10^{-5}$      $2 \cdot 10^{-5}$      $3 \cdot 10^{-5}$   
PVU

190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13021512, 24 hour forecast for 70mb EPV



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

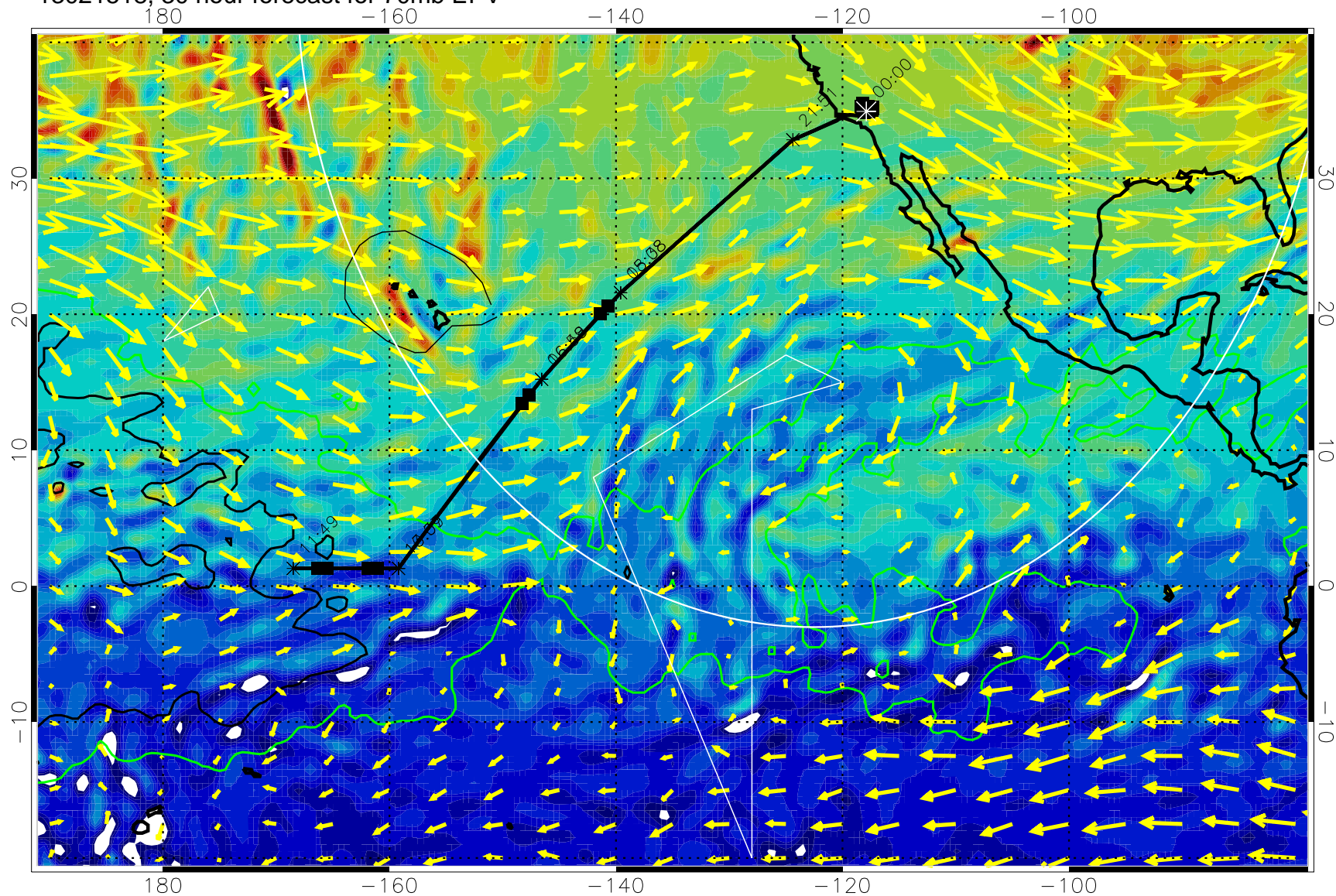
190K Isotherm    192.5K Isotherm

→ 30 m/s

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



13021518, 30 hour forecast for 70mb EPV

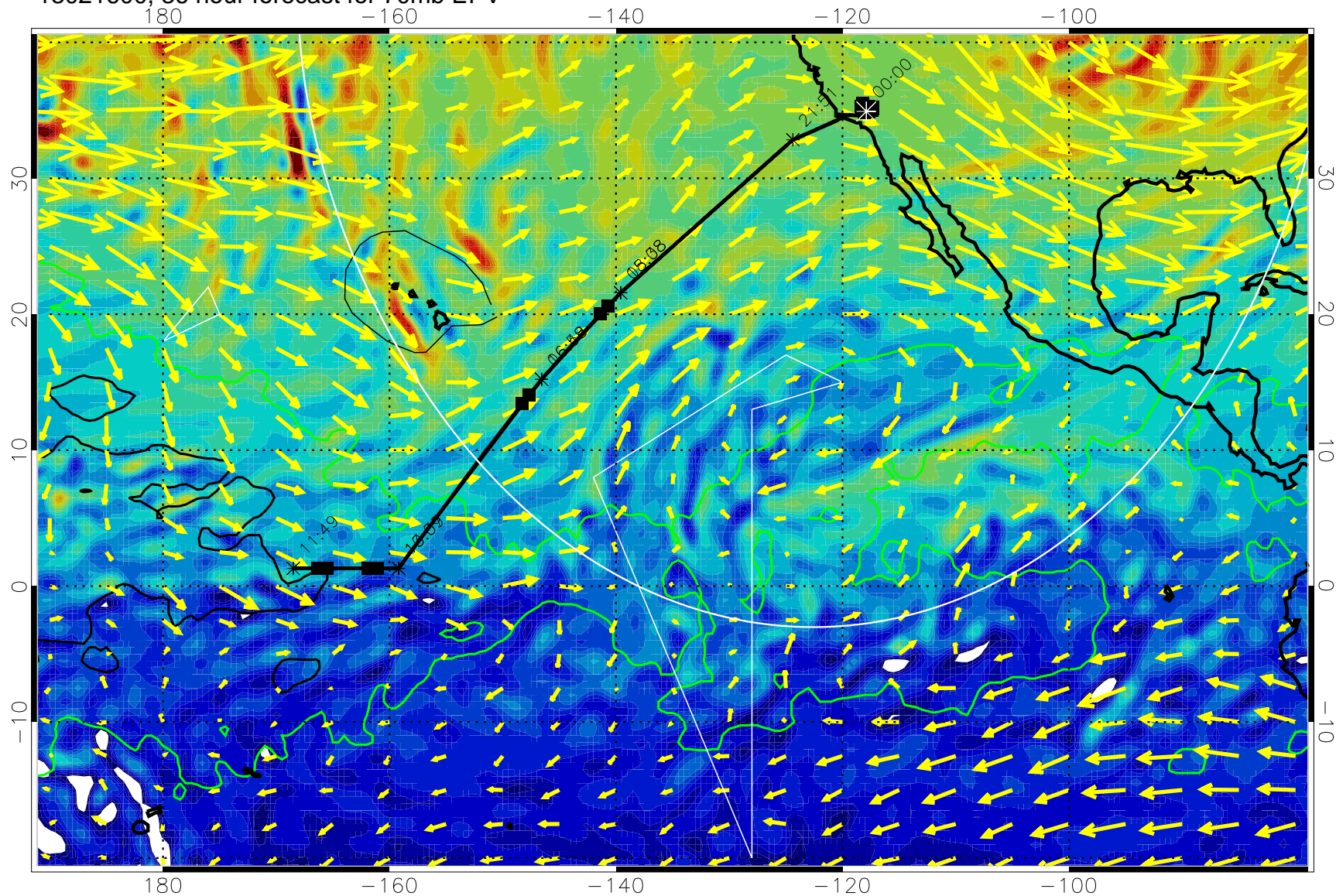


190K Isotherm 192.5K Isotherm

→ 30 m/s

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

13021600, 36 hour forecast for 70mb EPV



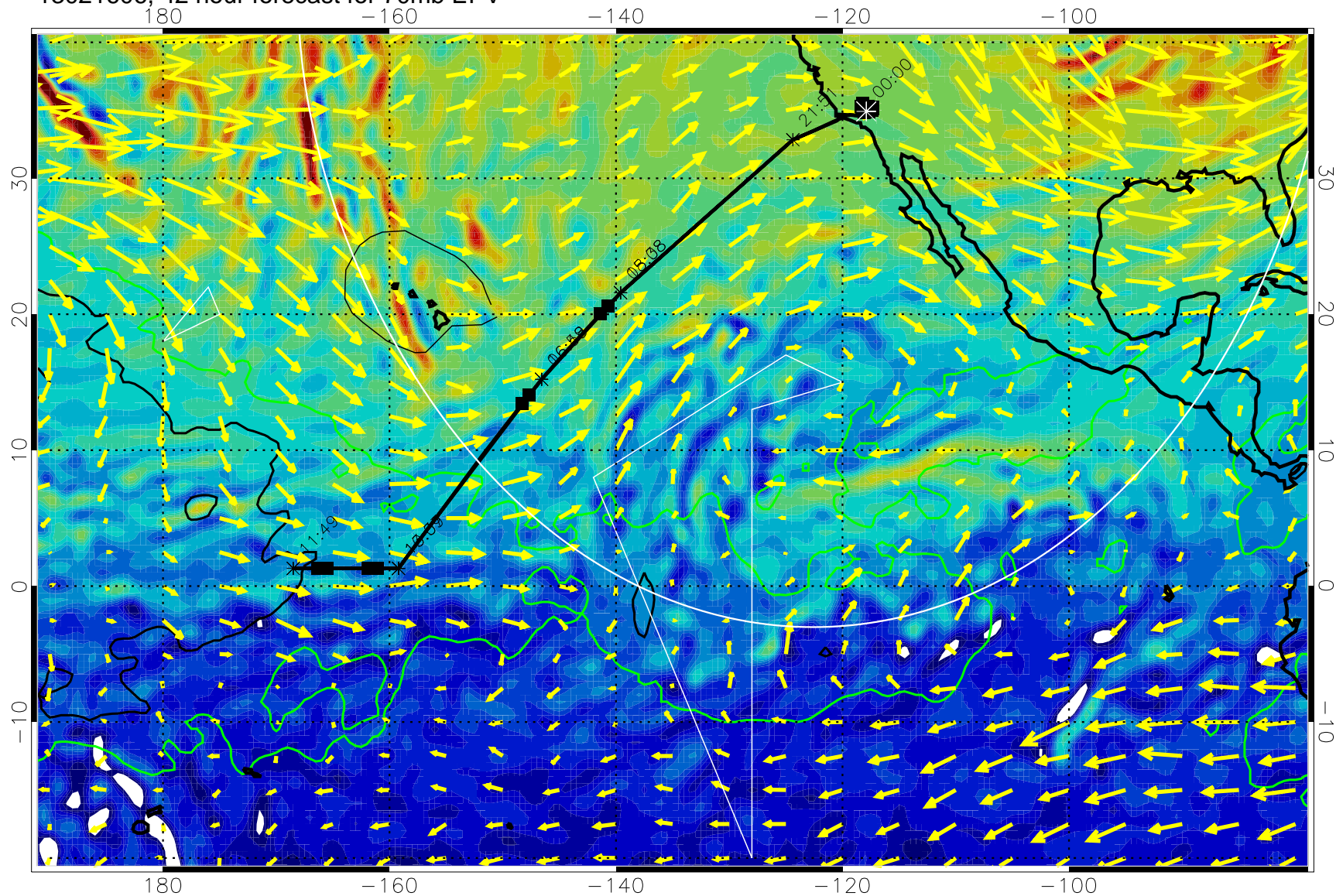
190K Isotherm 192.5K Isotherm

→ 30 m/s

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



13021606, 42 hour forecast for 70mb EPV



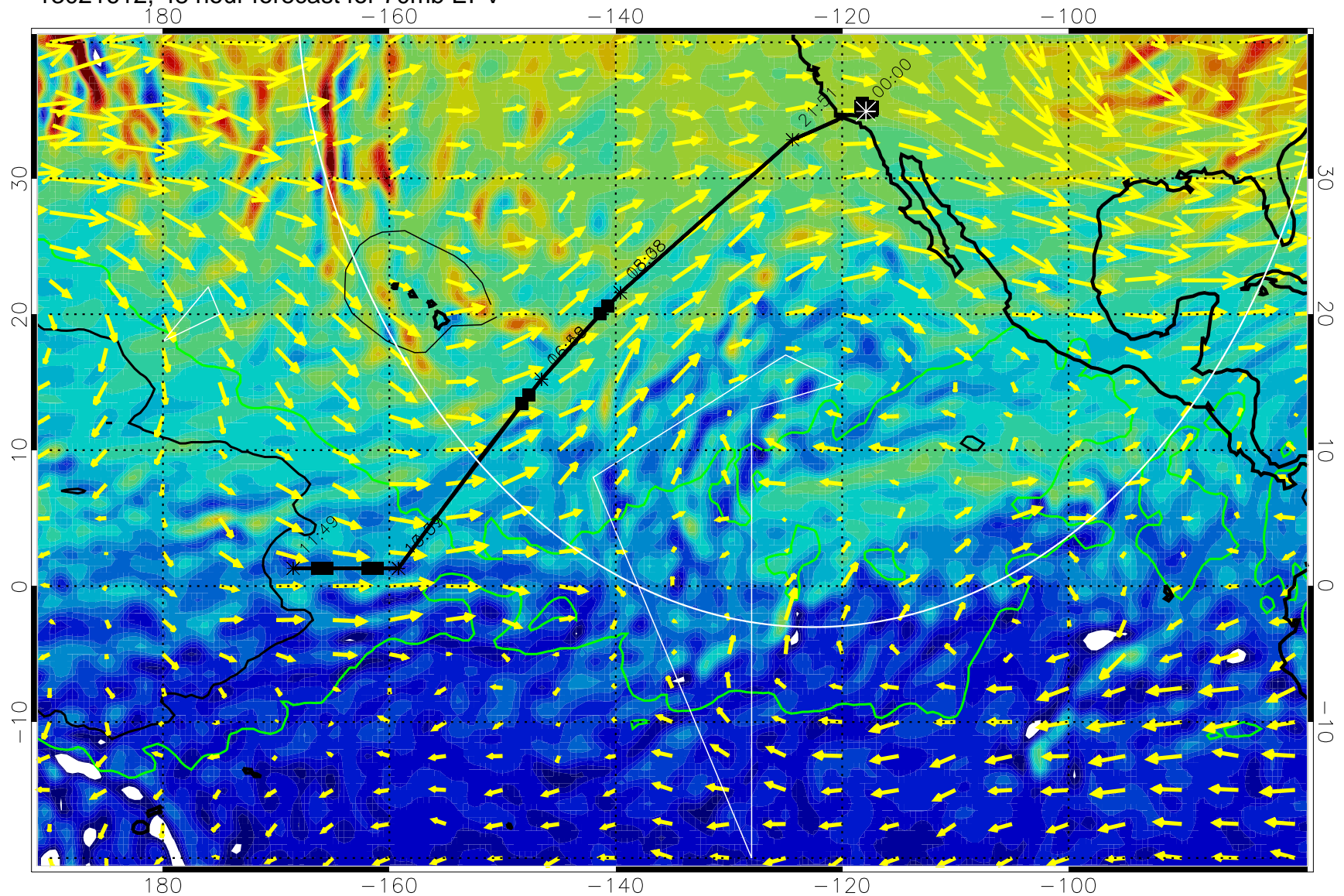
$-1 \cdot 10^{-5}$     0     $1 \cdot 10^{-5}$      $2 \cdot 10^{-5}$      $3 \cdot 10^{-5}$   
PVU

190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13021612, 48 hour forecast for 70mb EPV



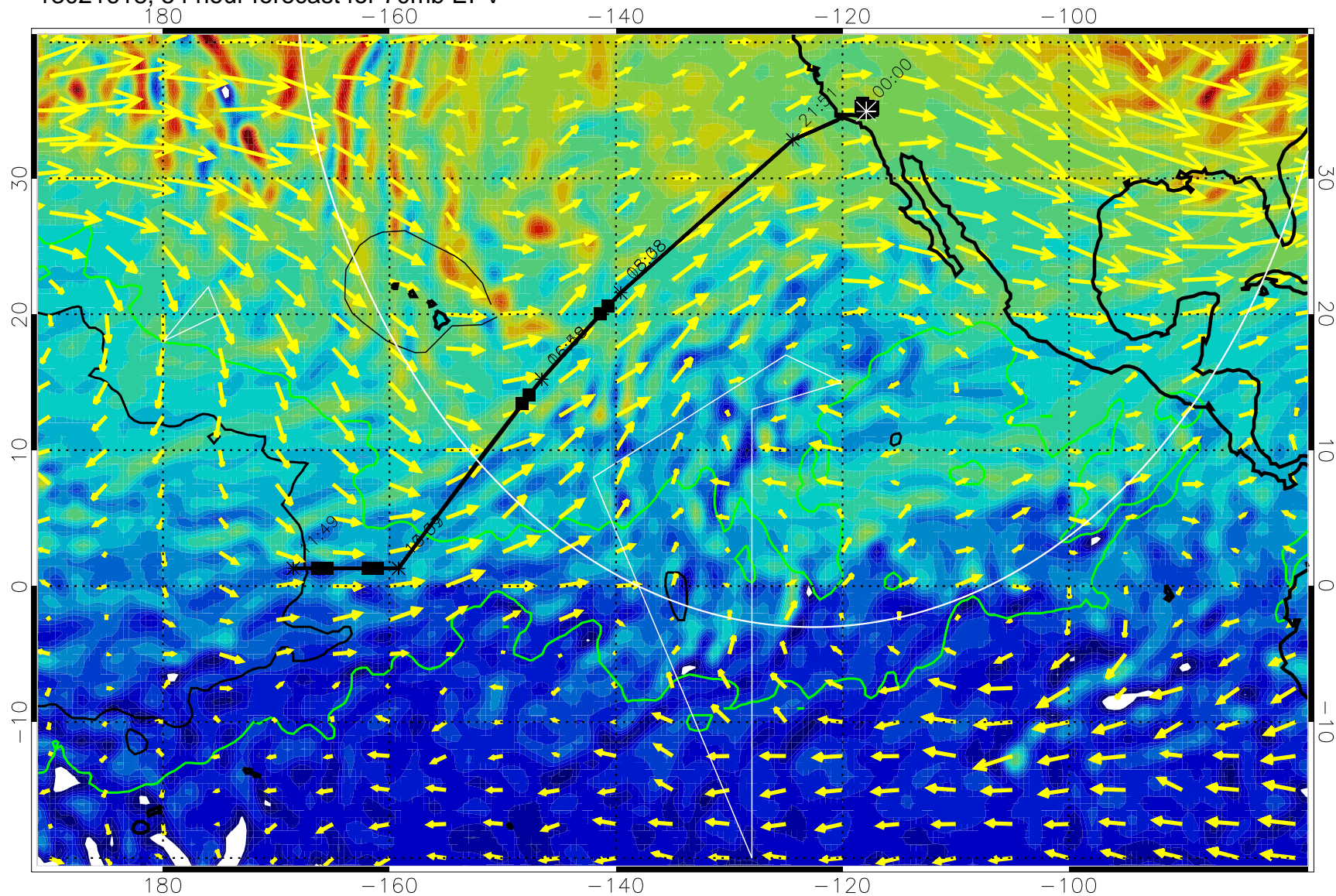
190K Isotherm 192.5K Isotherm

→ 30 m/s

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



13021618, 54 hour forecast for 70mb EPV

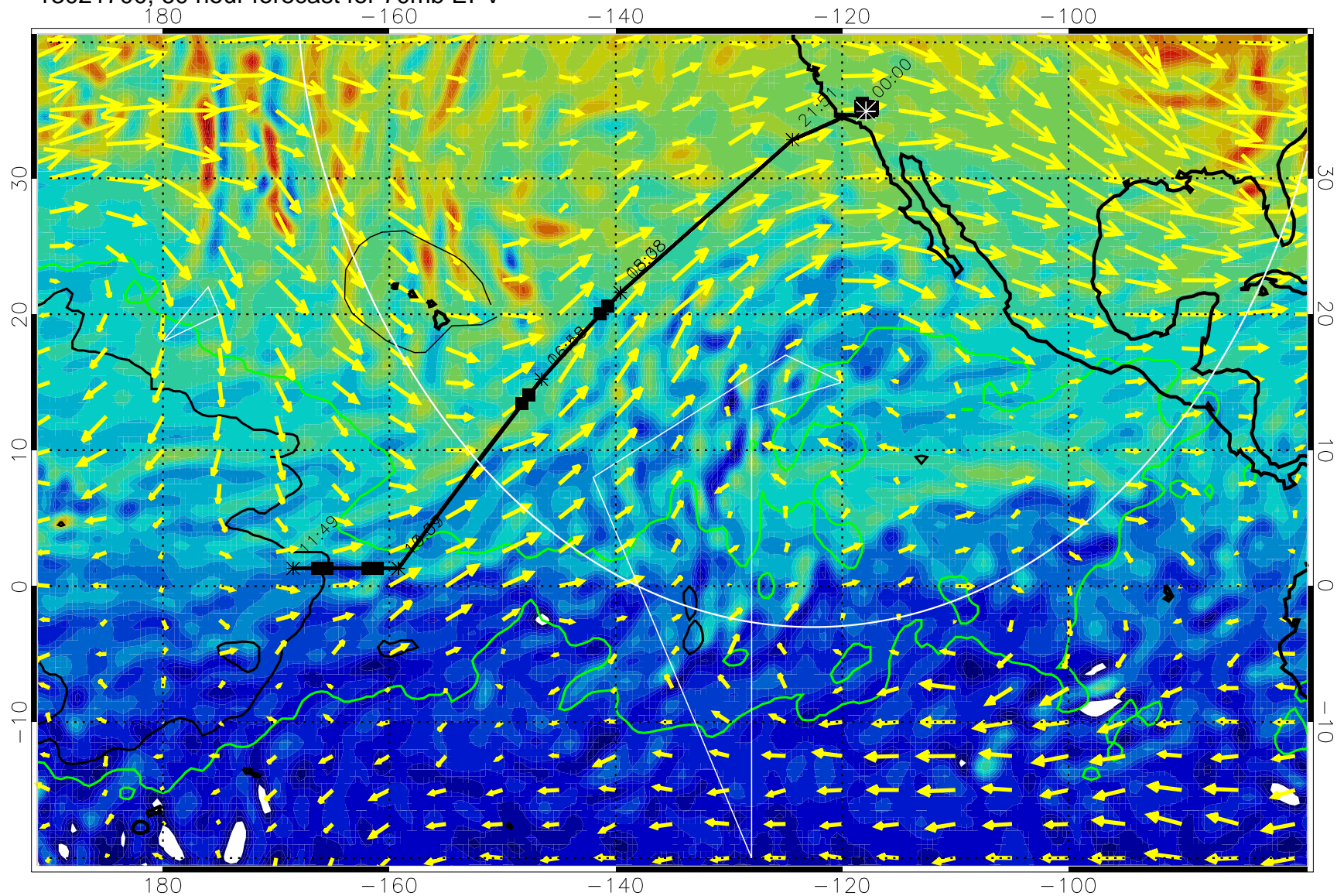


190K Isotherm 192.5K Isotherm

→ 30 m/s

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

13021700, 60 hour forecast for 70mb EPV



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

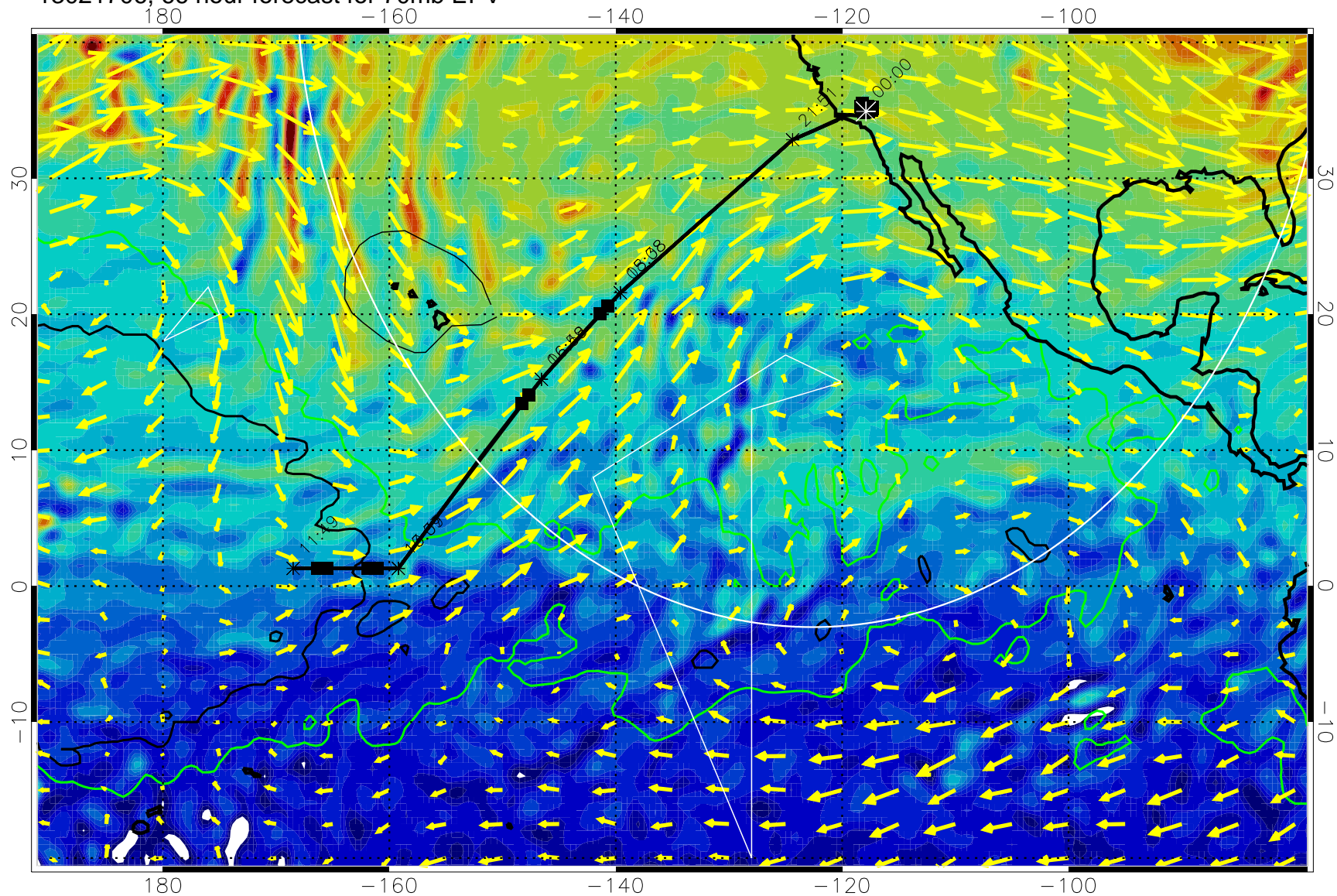
190K Isotherm    192.5K Isotherm

→ 30 m/s

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



13021706, 66 hour forecast for 70mb EPV

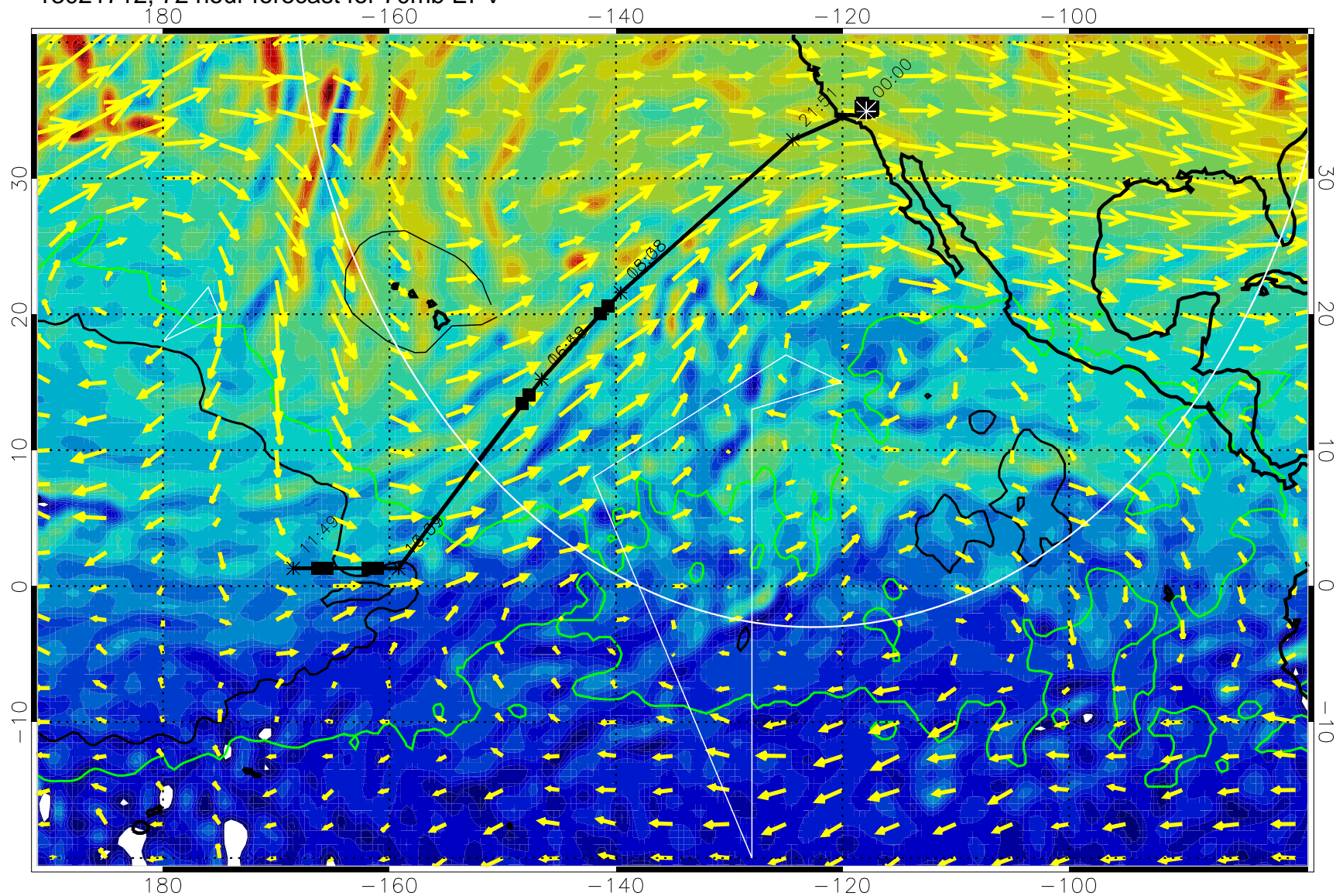


190K Isotherm 192.5K Isotherm

→ 30 m/s

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

13021712, 72 hour forecast for 70mb EPV



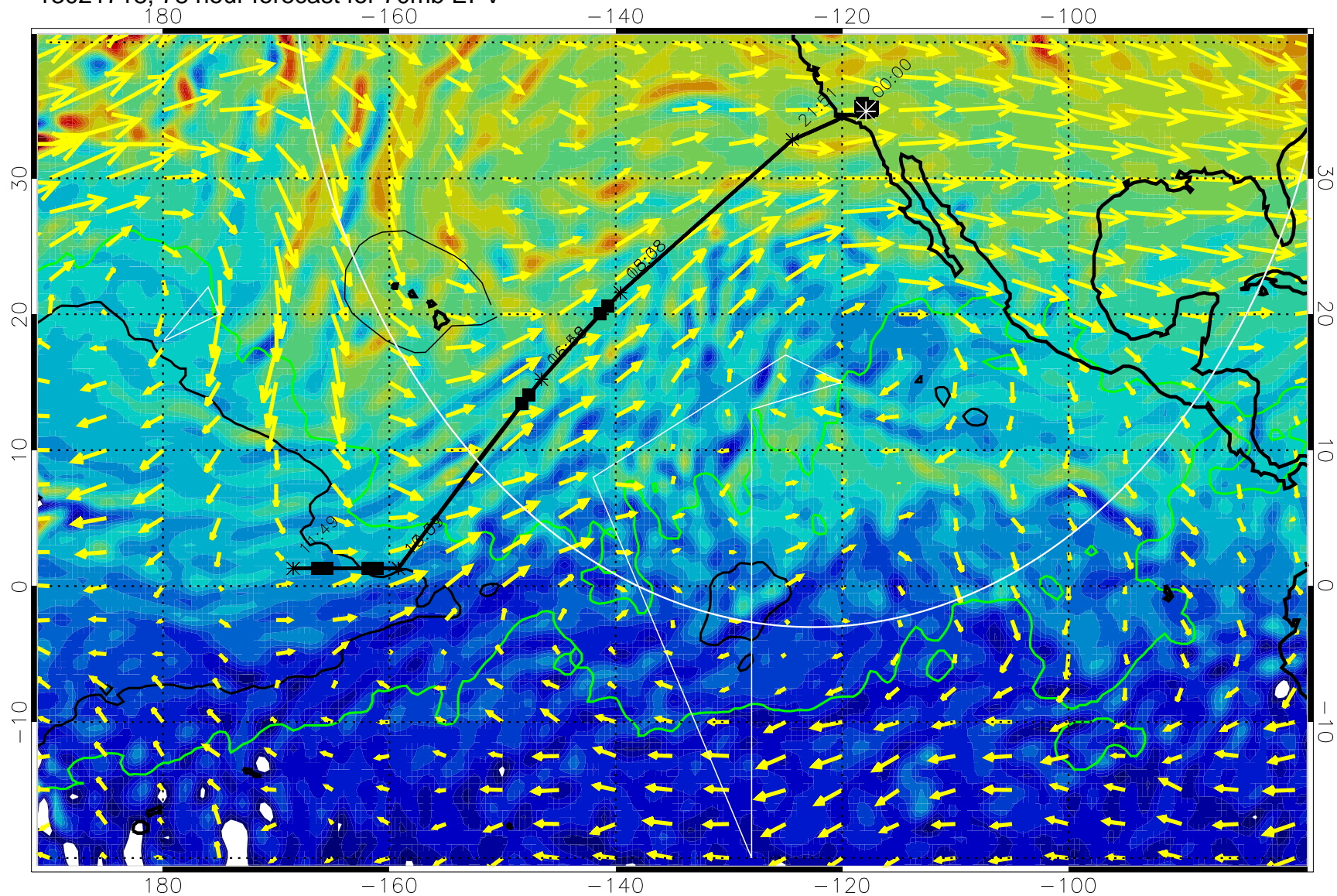
190K Isotherm 192.5K Isotherm

→ 30 m/s

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



13021718, 78 hour forecast for 70mb EPV

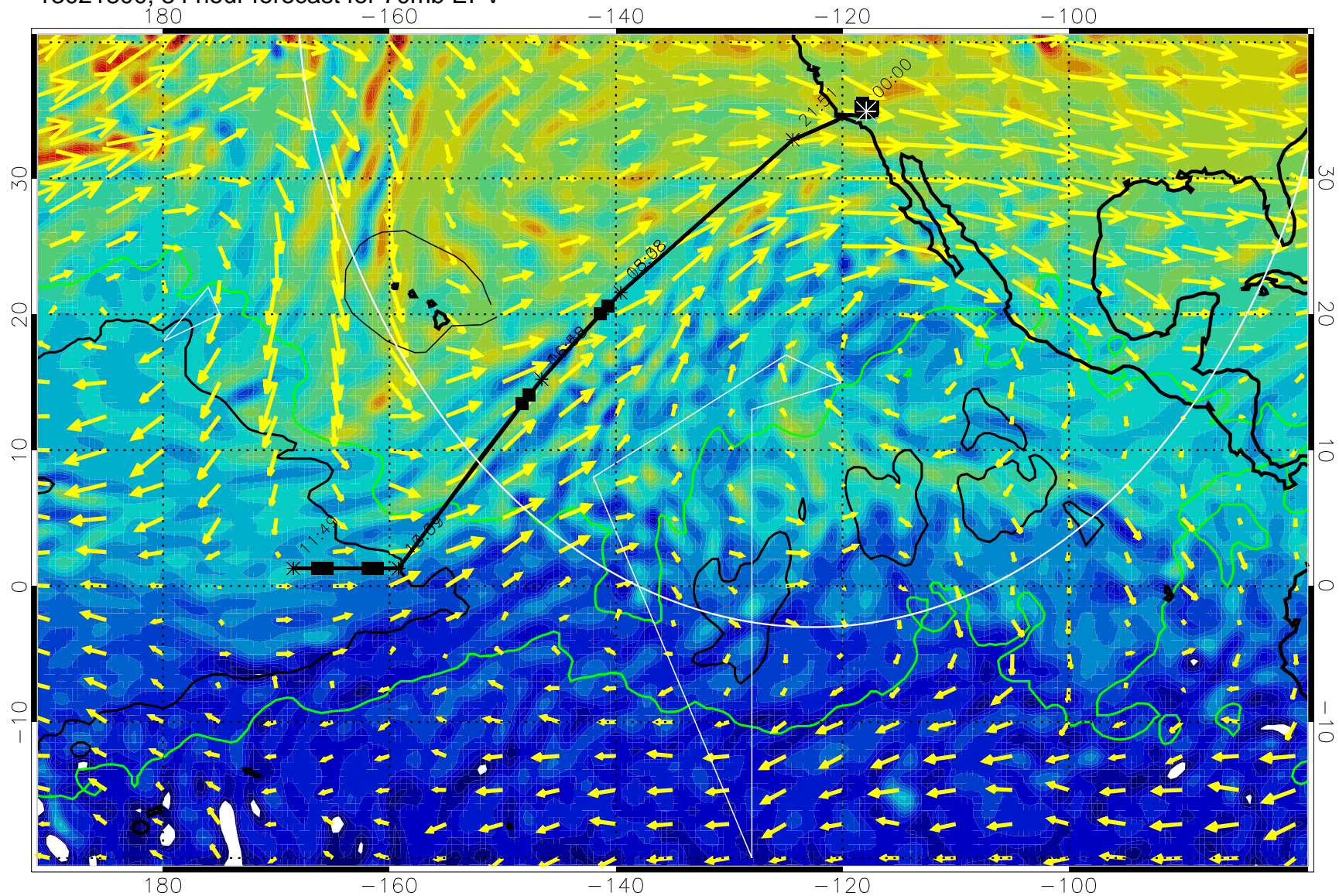


190K Isotherm 192.5K Isotherm

→ 30 m/s

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

13021800, 84 hour forecast for 70mb EPV



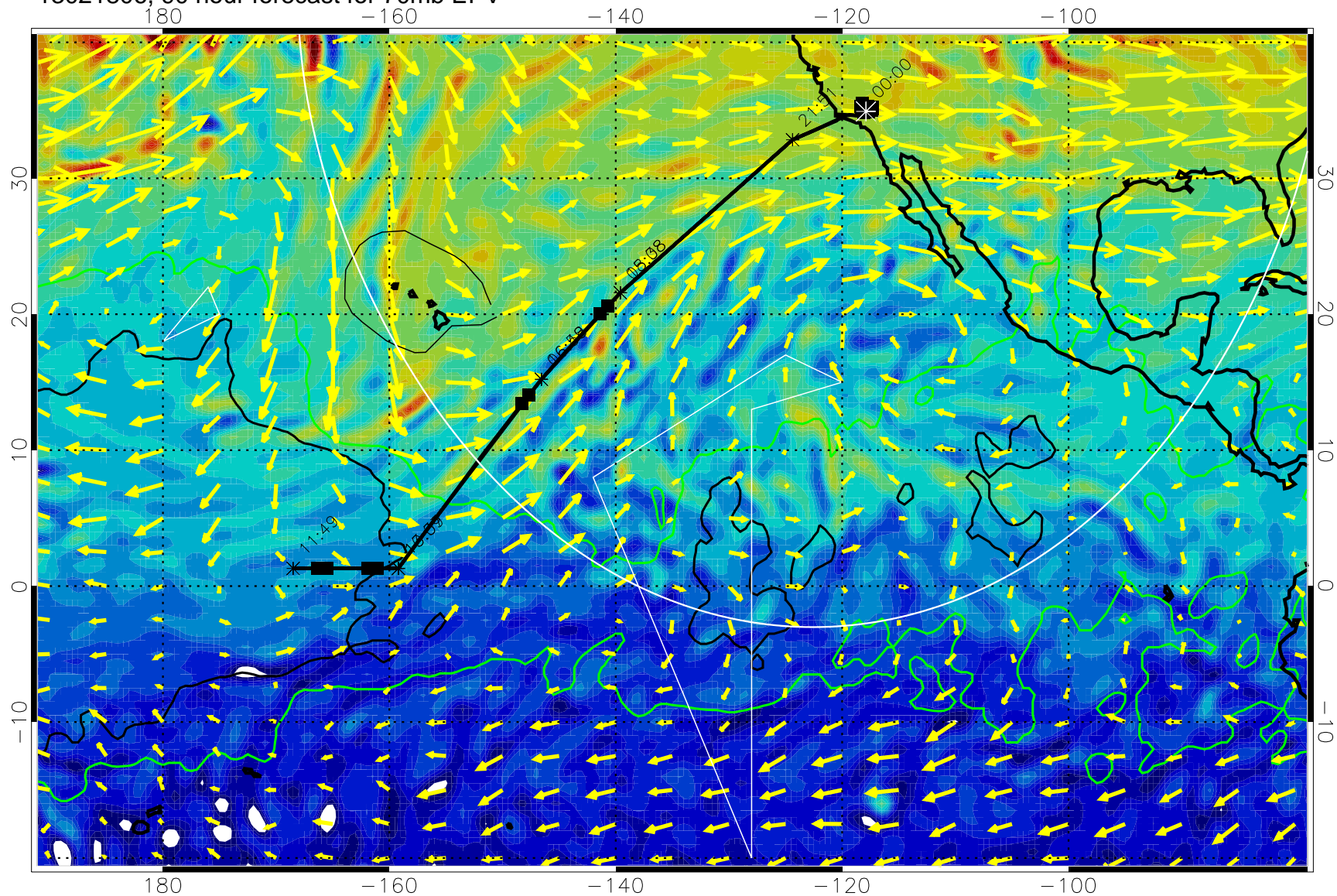
190K Isotherm 192.5K Isotherm

→ 30 m/s

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



13021806, 90 hour forecast for 70mb EPV

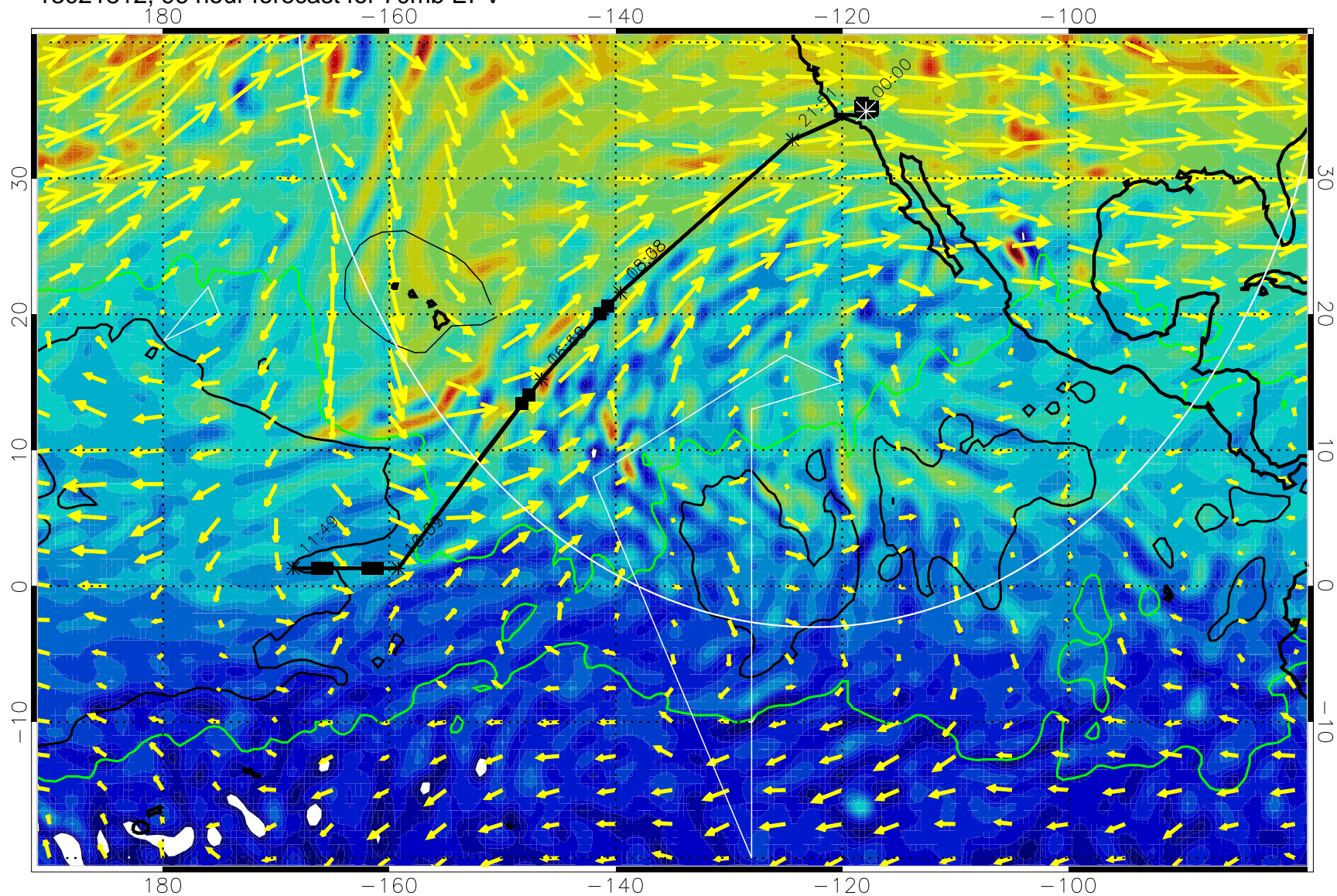


190K Isotherm 192.5K Isotherm

→ 30 m/s

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

13021812, 96 hour forecast for 70mb EPV



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

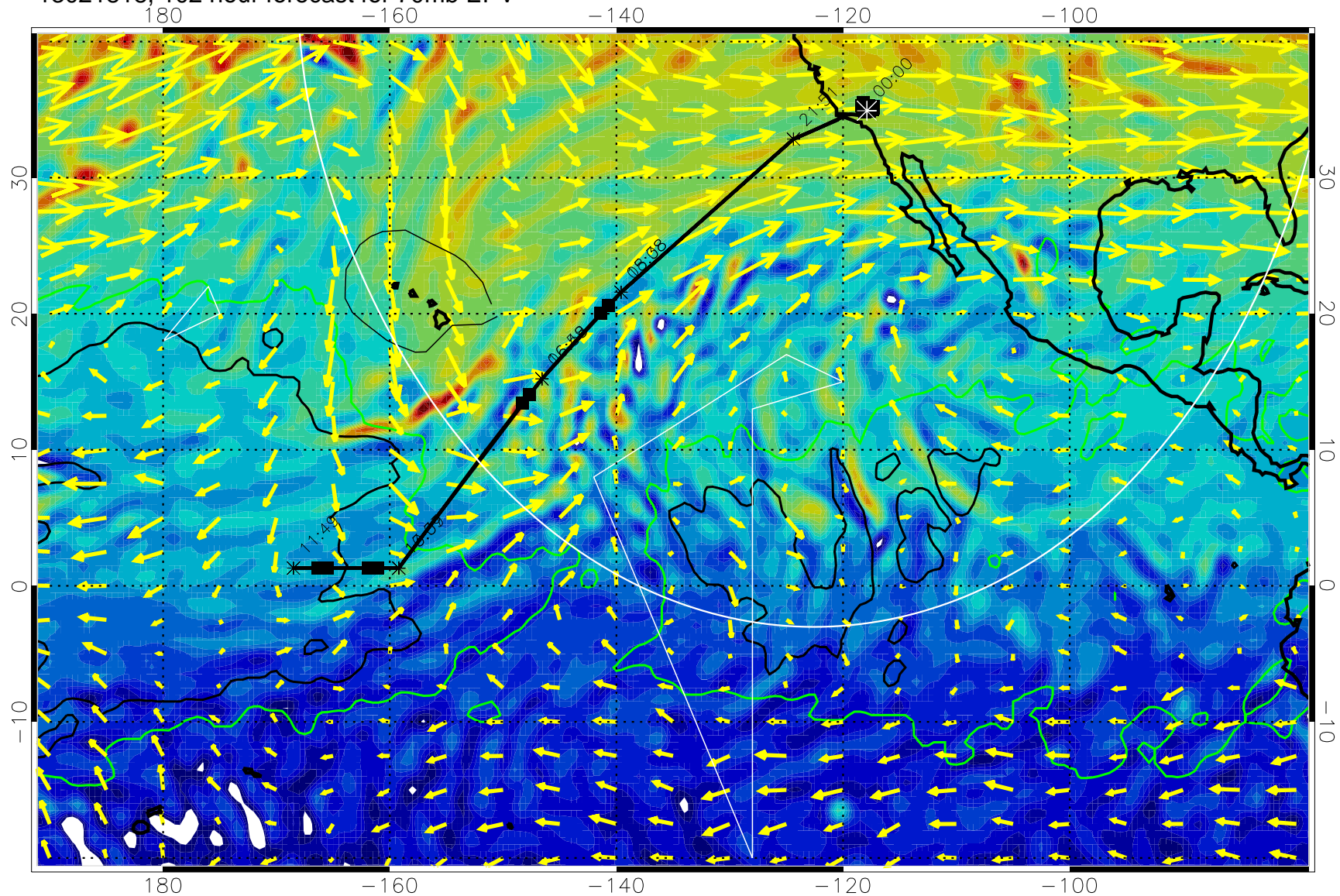
190K Isotherm 192.5K Isotherm

→ 30 m/s

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



13021818, 102 hour forecast for 70mb EPV

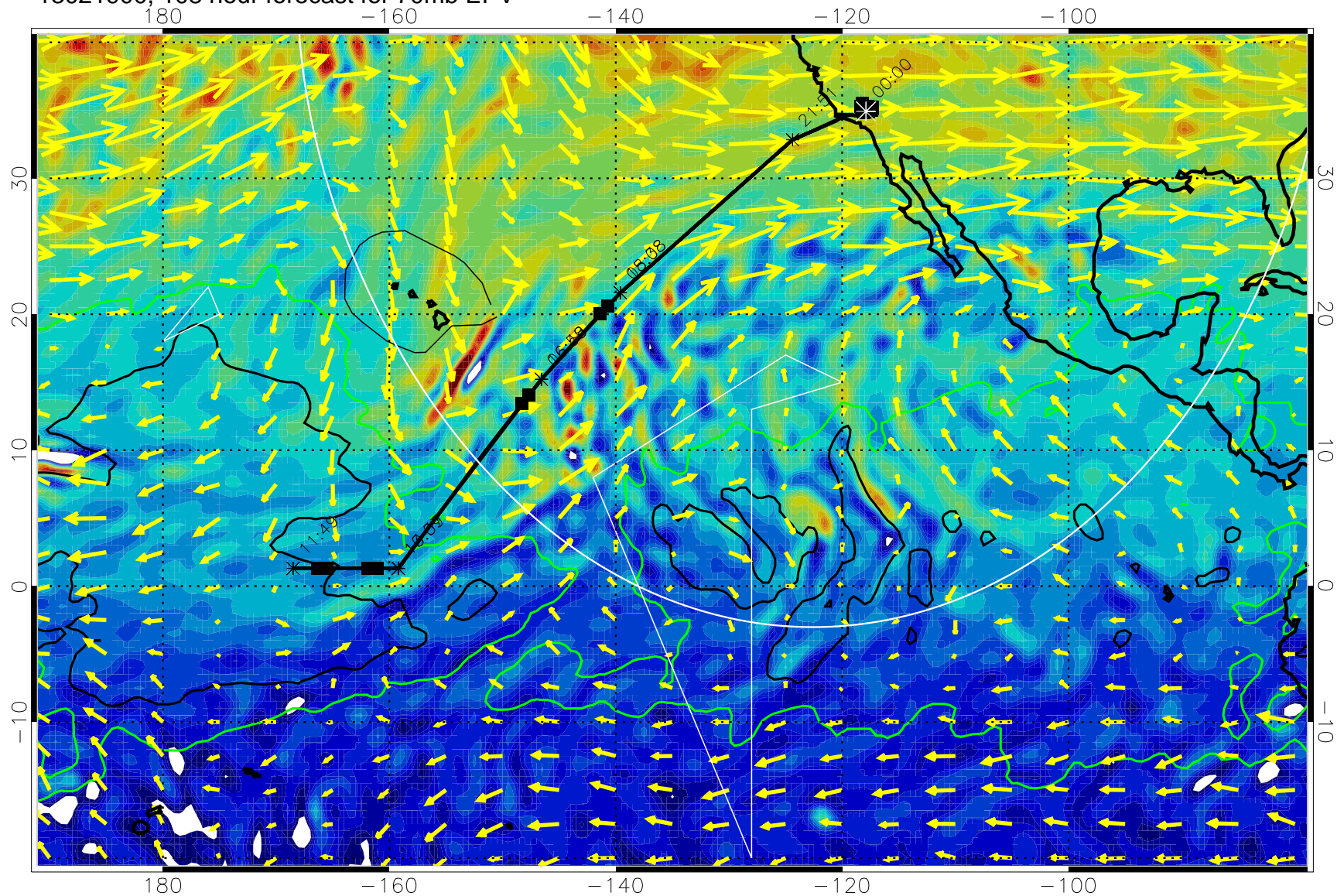


190K Isotherm 192.5K Isotherm

→ 30 m/s

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

13021900, 108 hour forecast for 70mb EPV



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

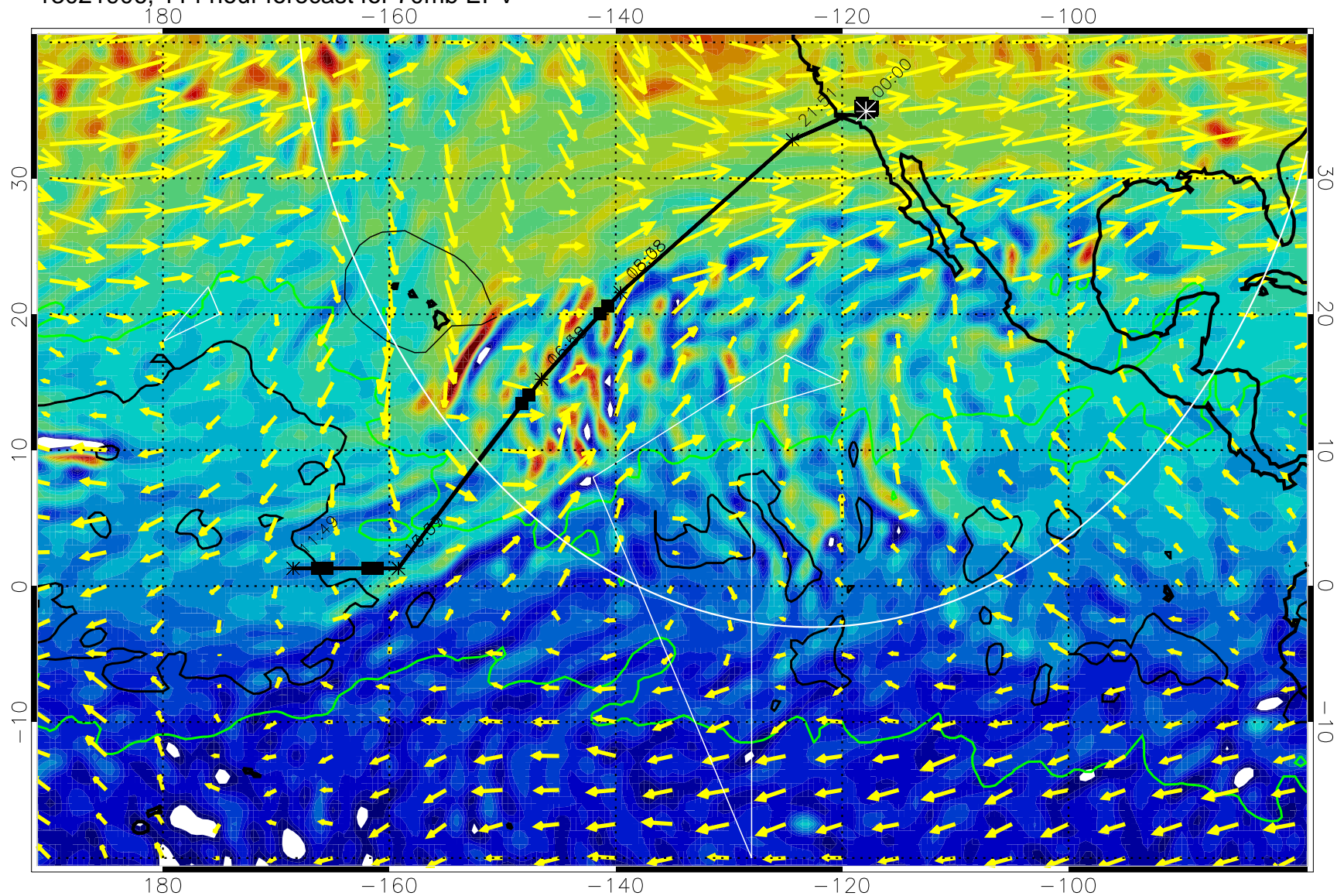
190K Isotherm    192.5K Isotherm

→ 30 m/s

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



13021906, 114 hour forecast for 70mb EPV



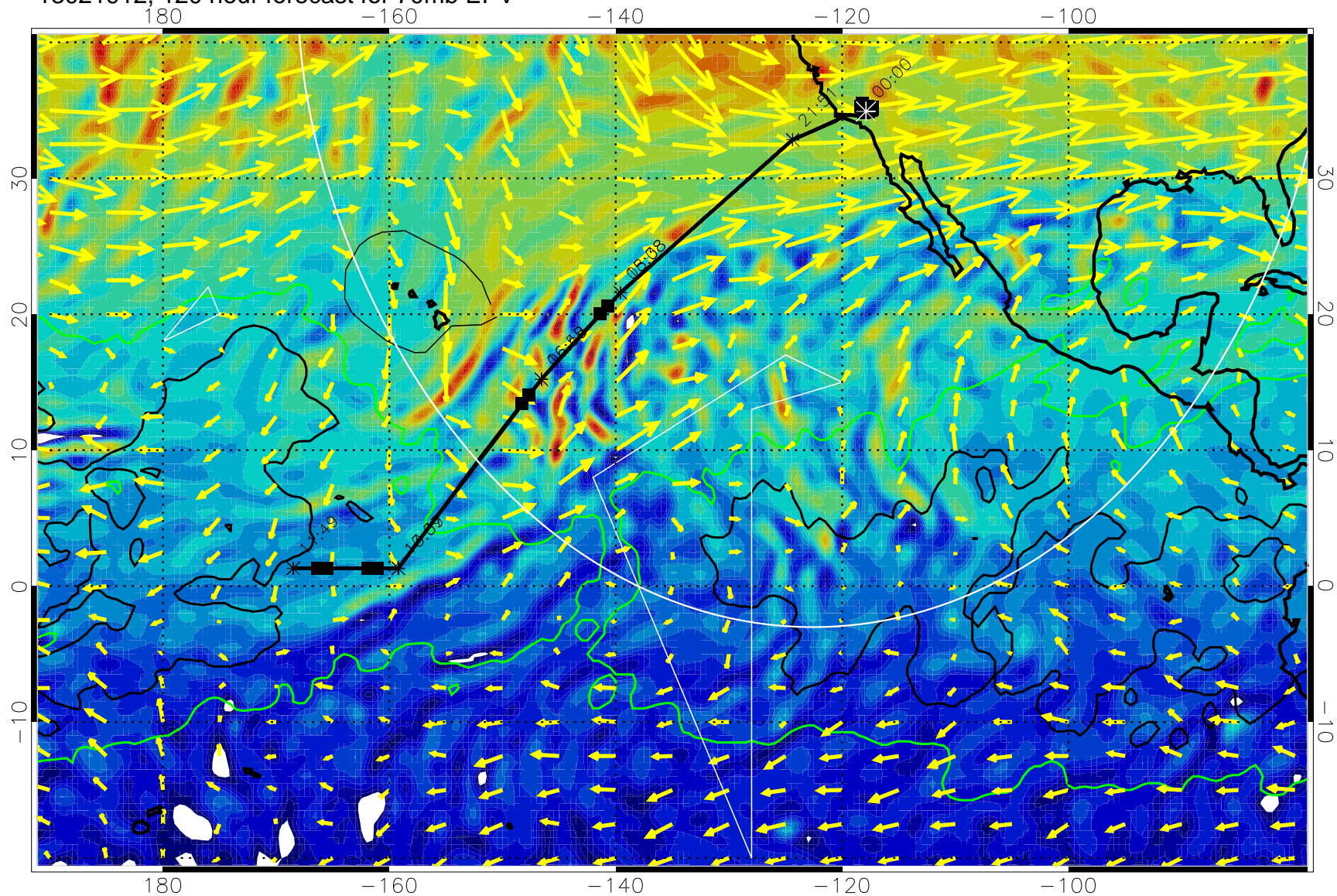
$-1 \cdot 10^{-5}$     0     $1 \cdot 10^{-5}$      $2 \cdot 10^{-5}$      $3 \cdot 10^{-5}$   
PVU

190K Isotherm    192.5K Isotherm

→ 30 m/s

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

13021912, 120 hour forecast for 70mb EPV



190K Isotherm 192.5K Isotherm

→ 30 m/s

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