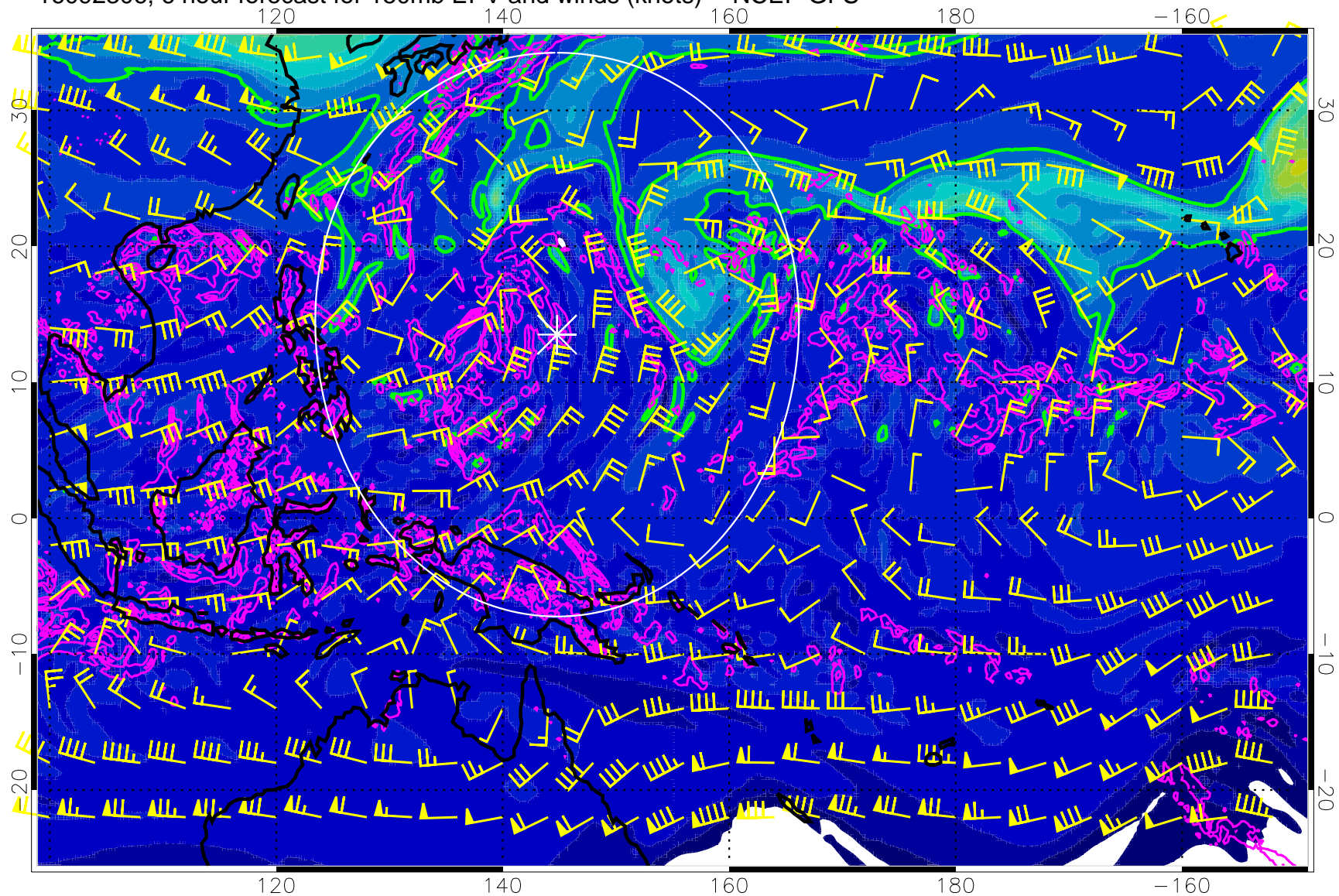


16092306, 6 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



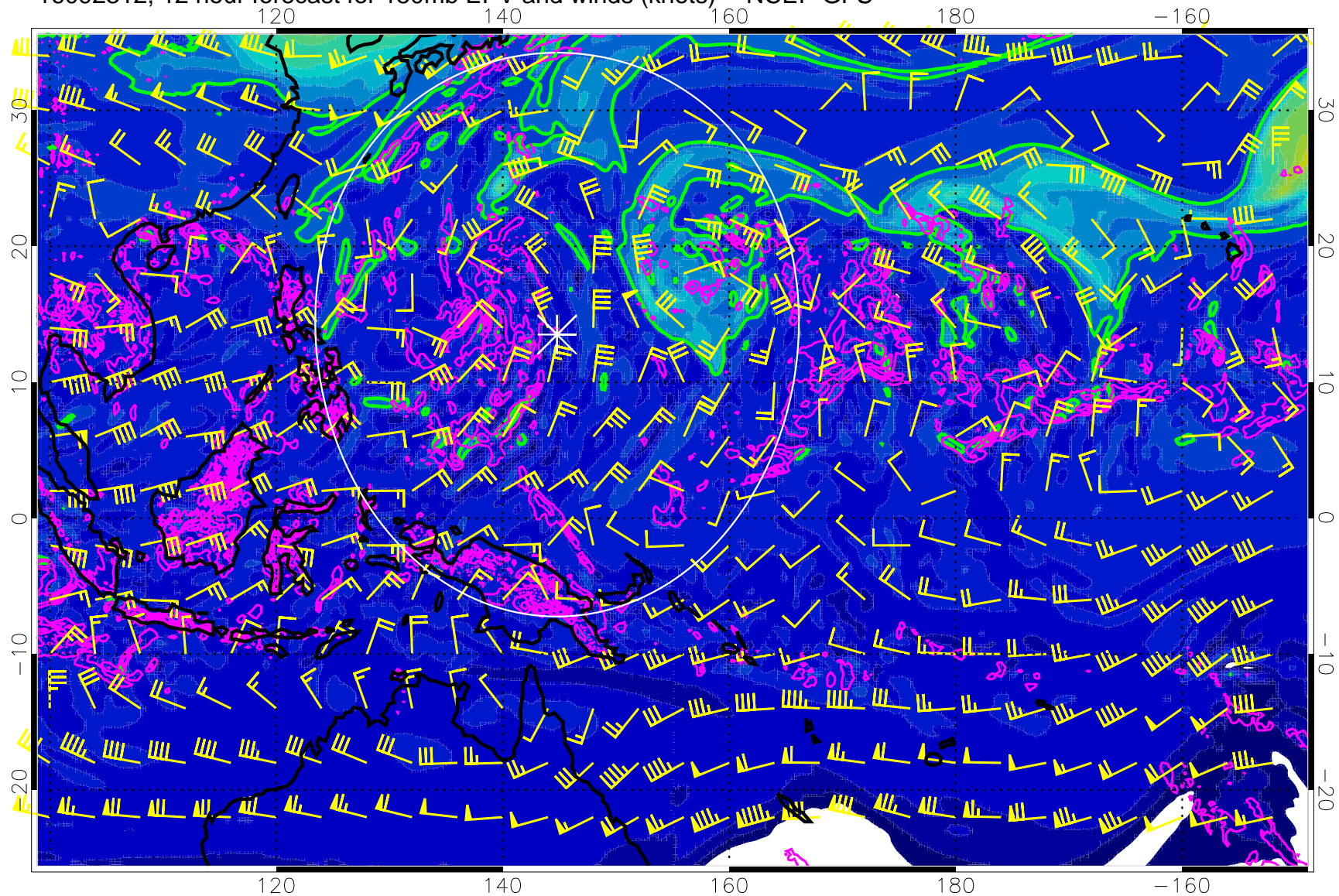
0       $5.0 \times 10^{-6}$        $1.0 \times 10^{-5}$        $1.5 \times 10^{-5}$   
PVU

Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16092312, 12 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



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

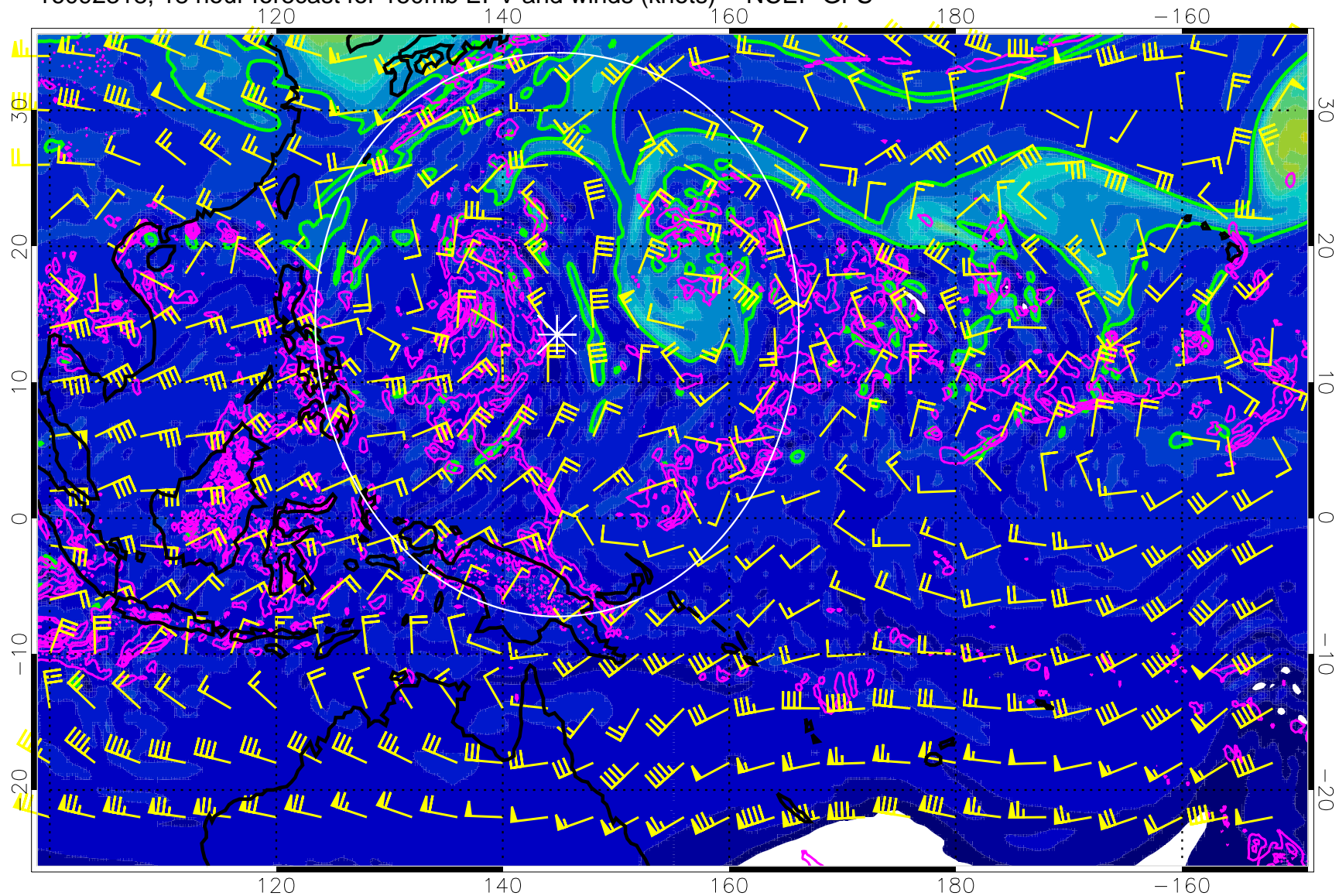
Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km



16092318, 18 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



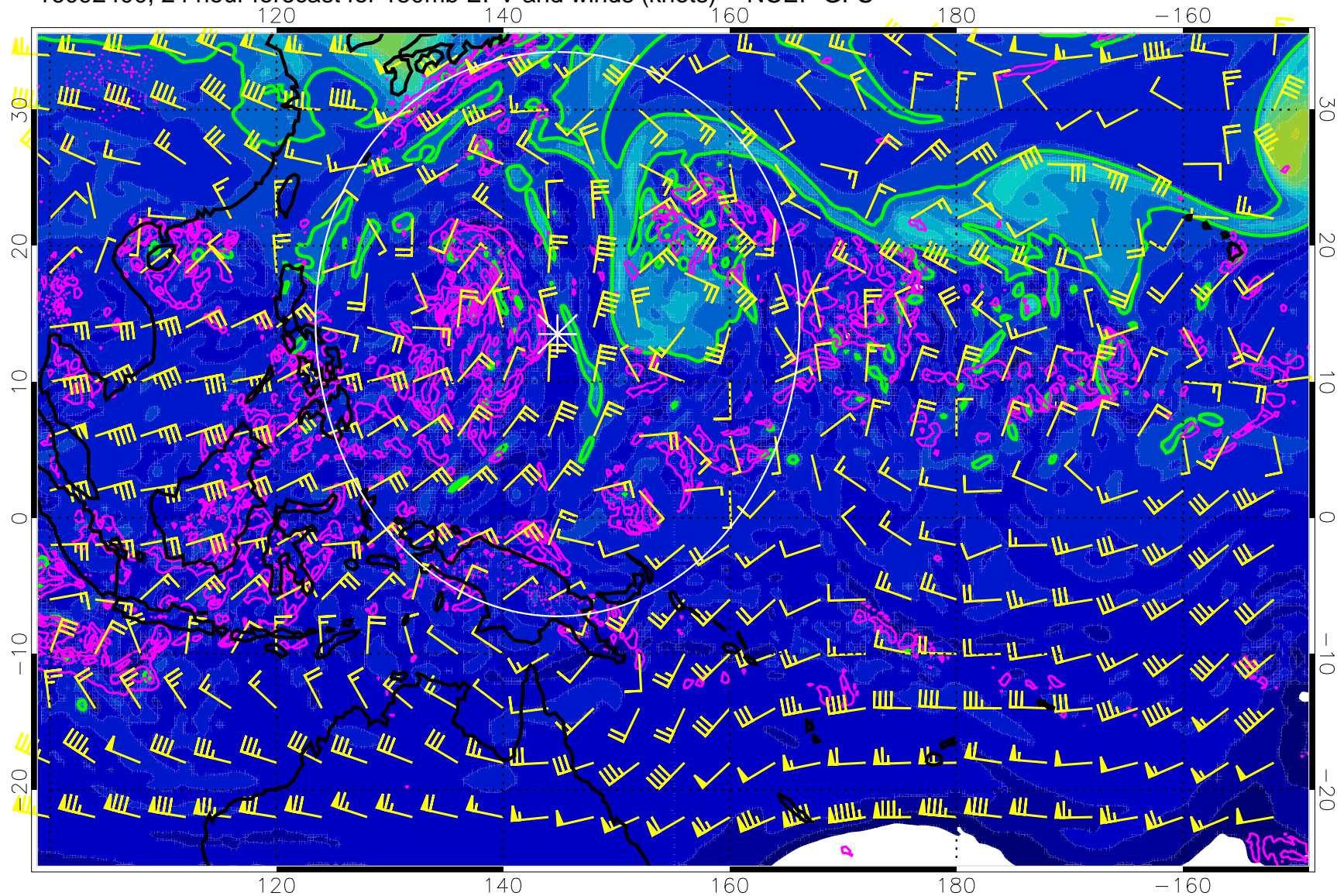
0       $5.0 \times 10^{-6}$        $1.0 \times 10^{-5}$        $1.5 \times 10^{-5}$   
PVU

Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16092400, 24 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



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

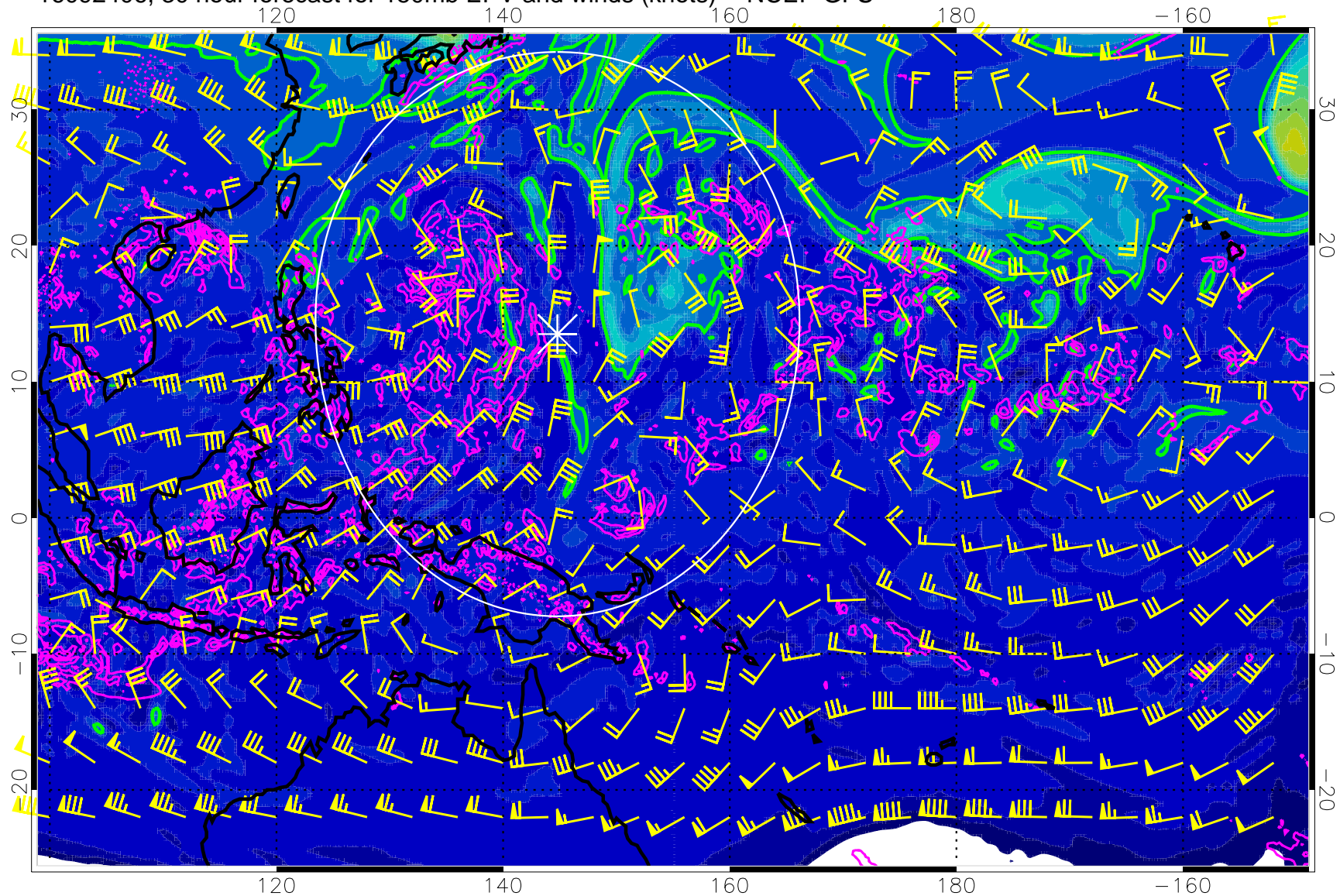
Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km



16092406, 30 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



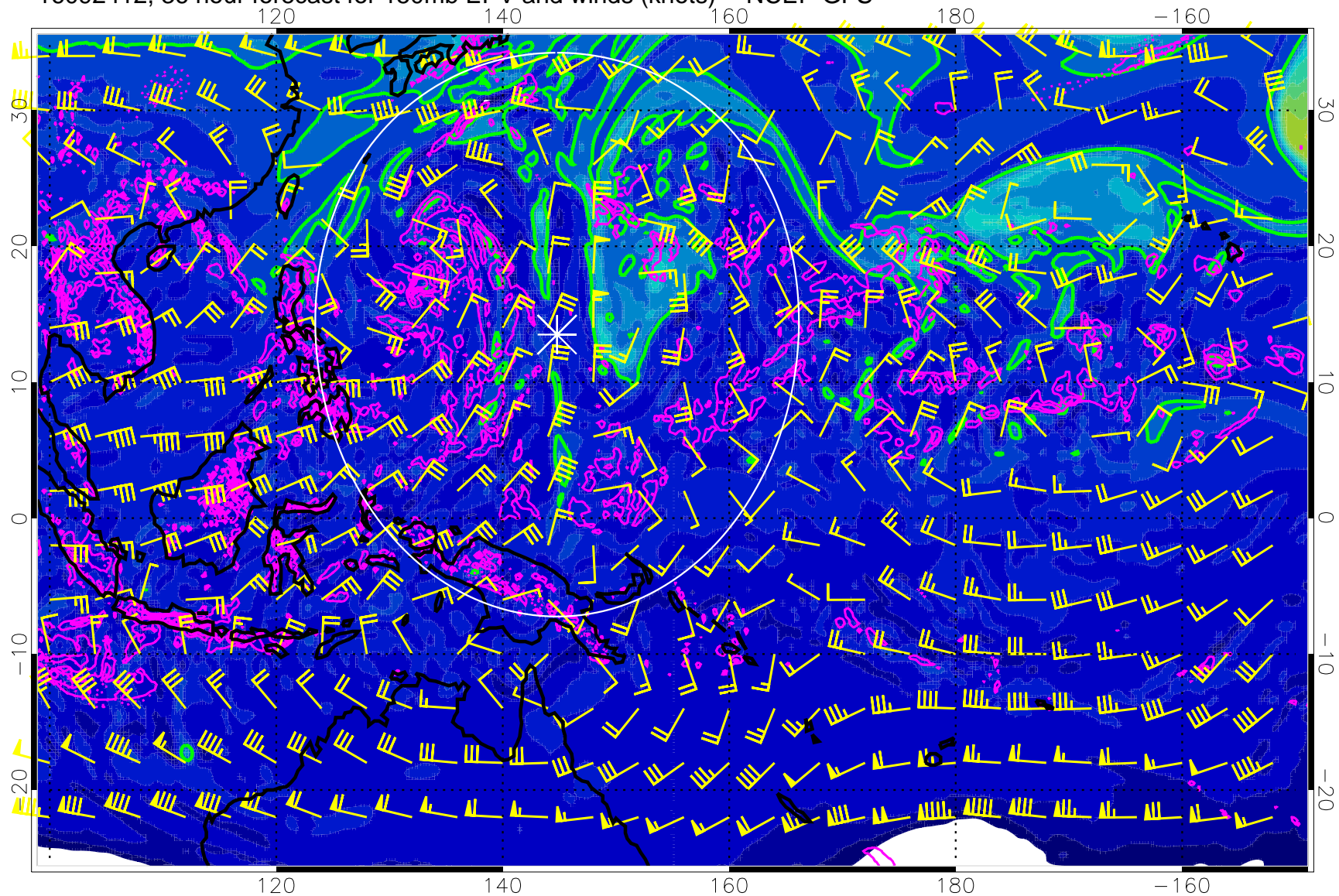
0       $5.0 \times 10^{-6}$        $1.0 \times 10^{-5}$        $1.5 \times 10^{-5}$   
PVU

Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16092412, 36 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



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

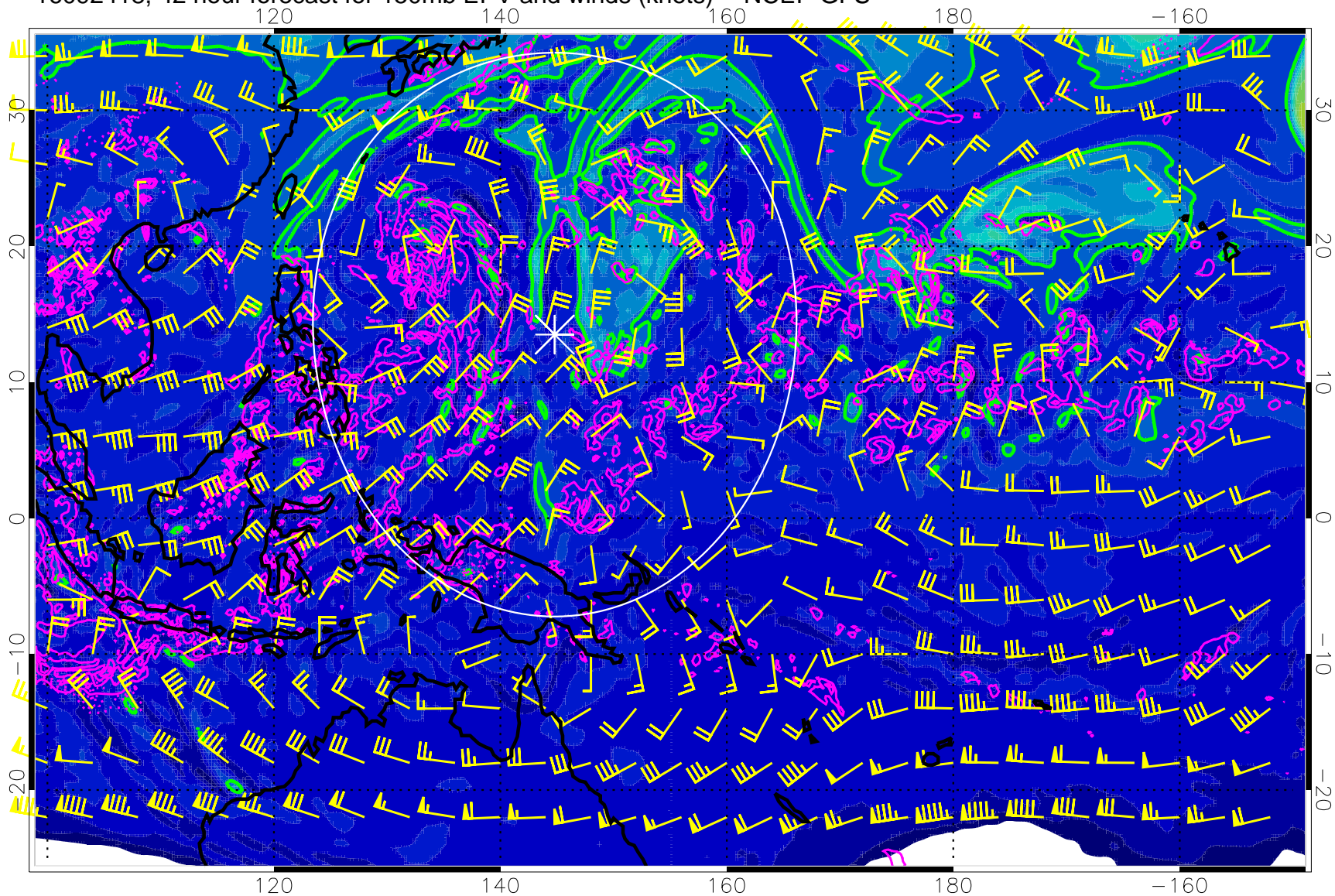
Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km



16092418, 42 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



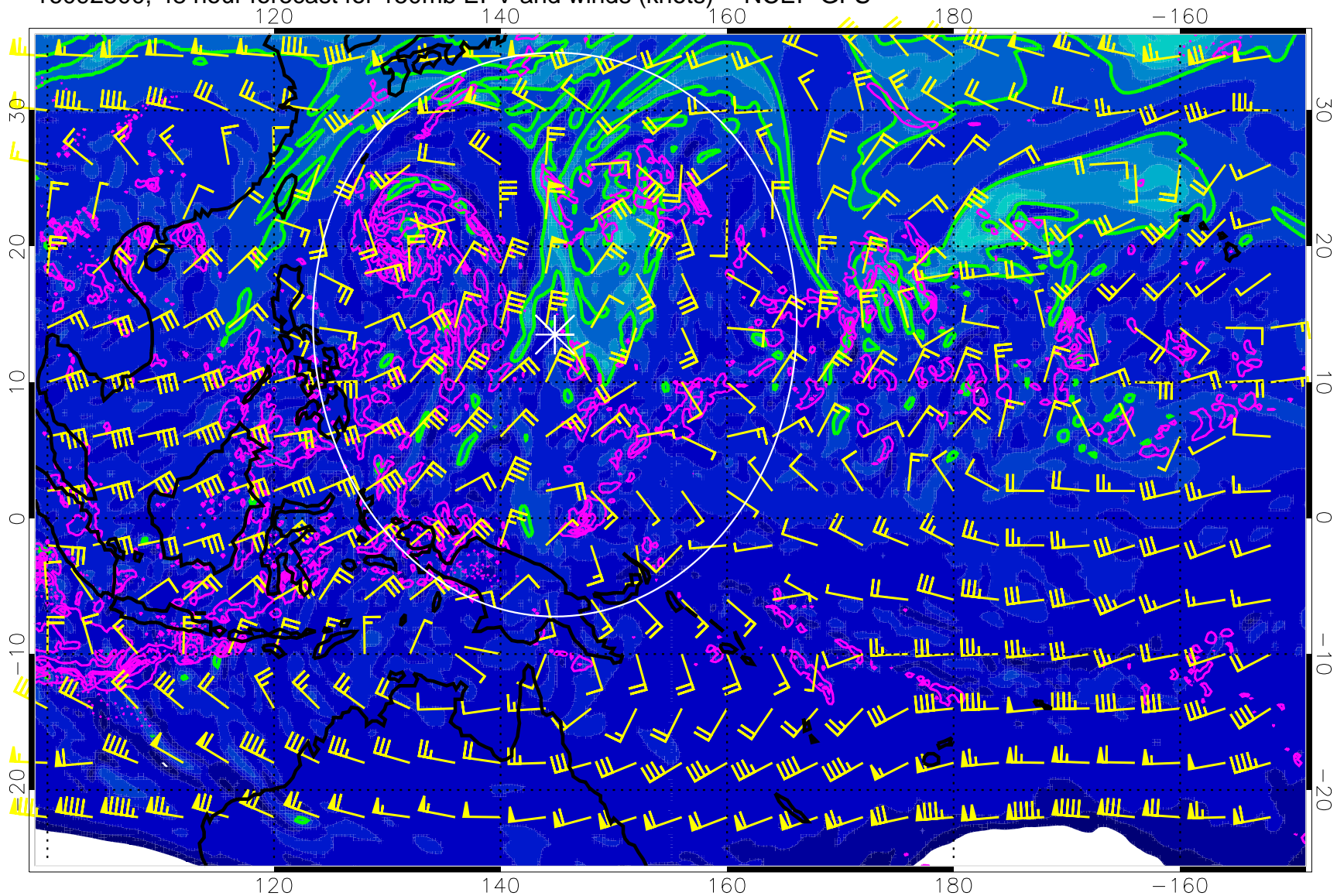
0       $5.0 \times 10^{-6}$        $1.0 \times 10^{-5}$        $1.5 \times 10^{-5}$   
PVU

Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16092500, 48 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



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

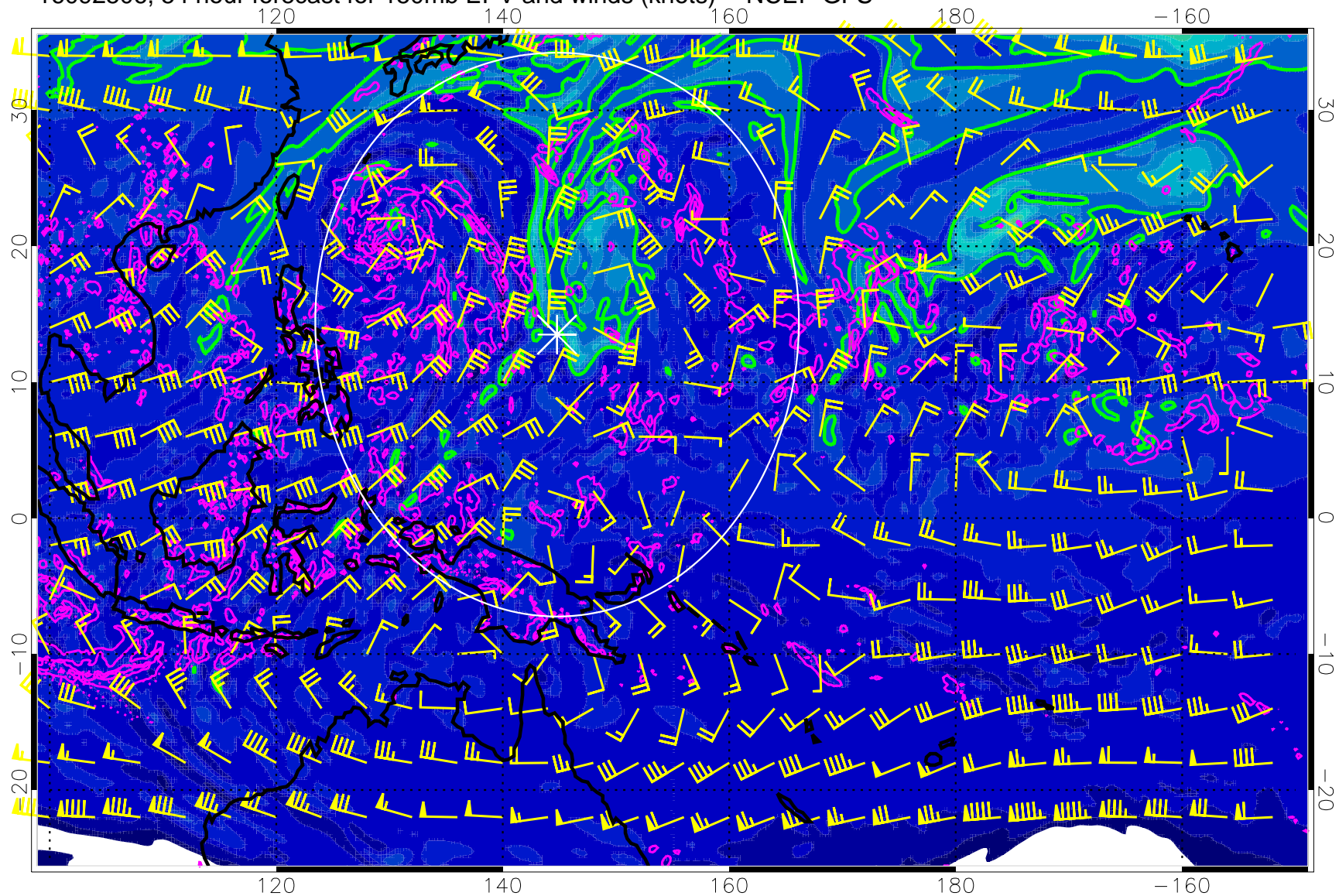
Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km



16092506, 54 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



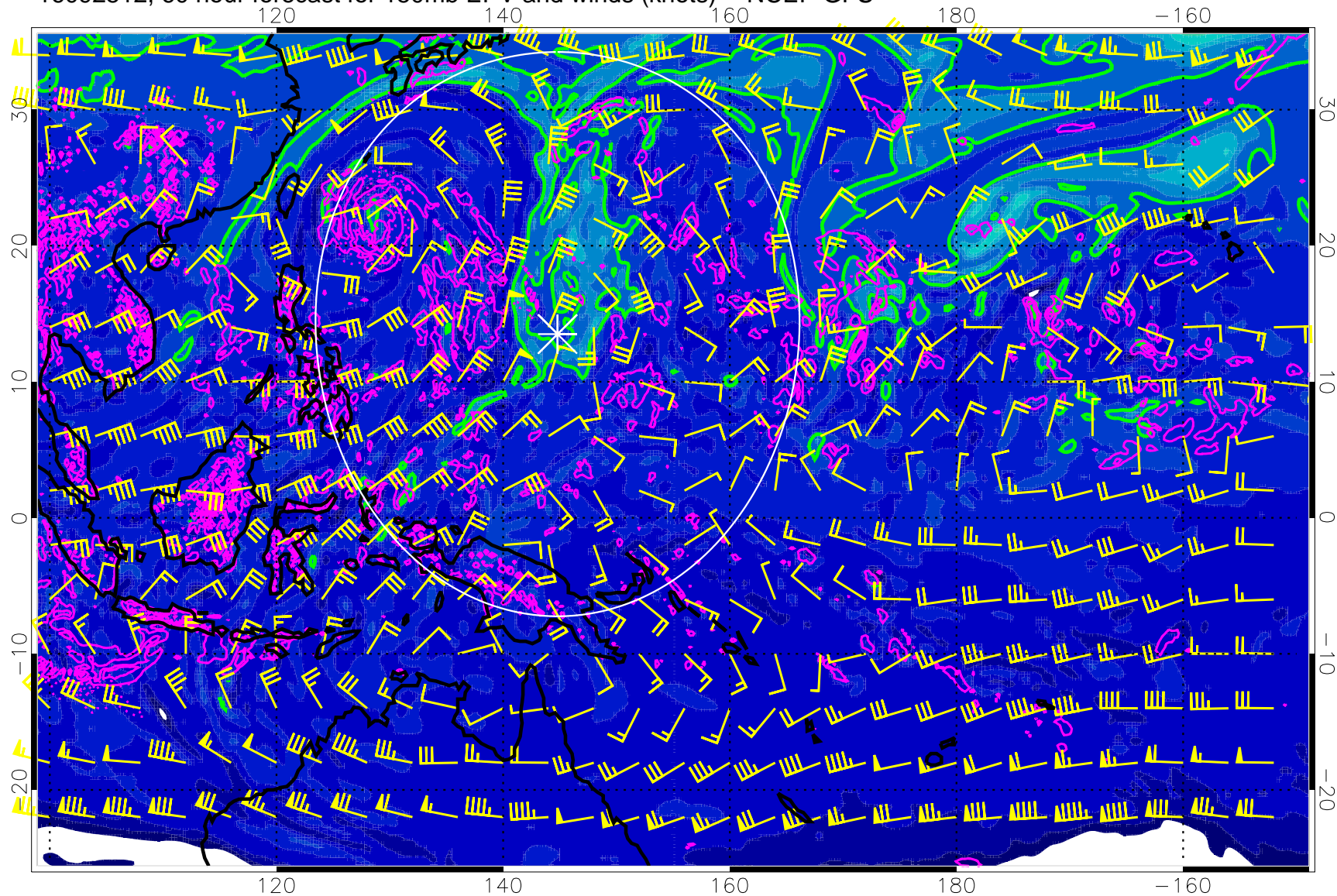
0       $5.0 \times 10^{-6}$        $1.0 \times 10^{-5}$        $1.5 \times 10^{-5}$   
PVU

Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16092512, 60 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



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

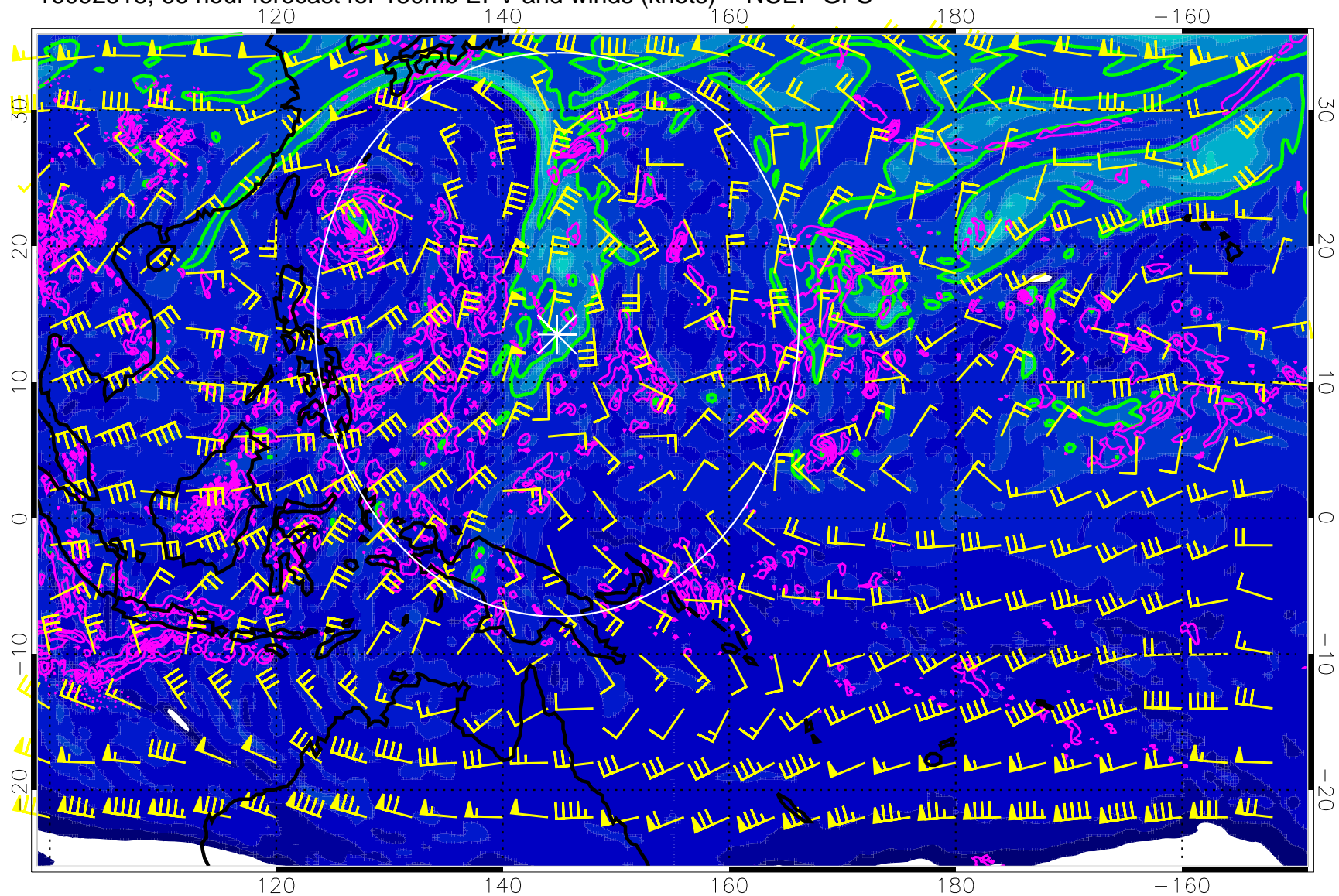
Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km



16092518, 66 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



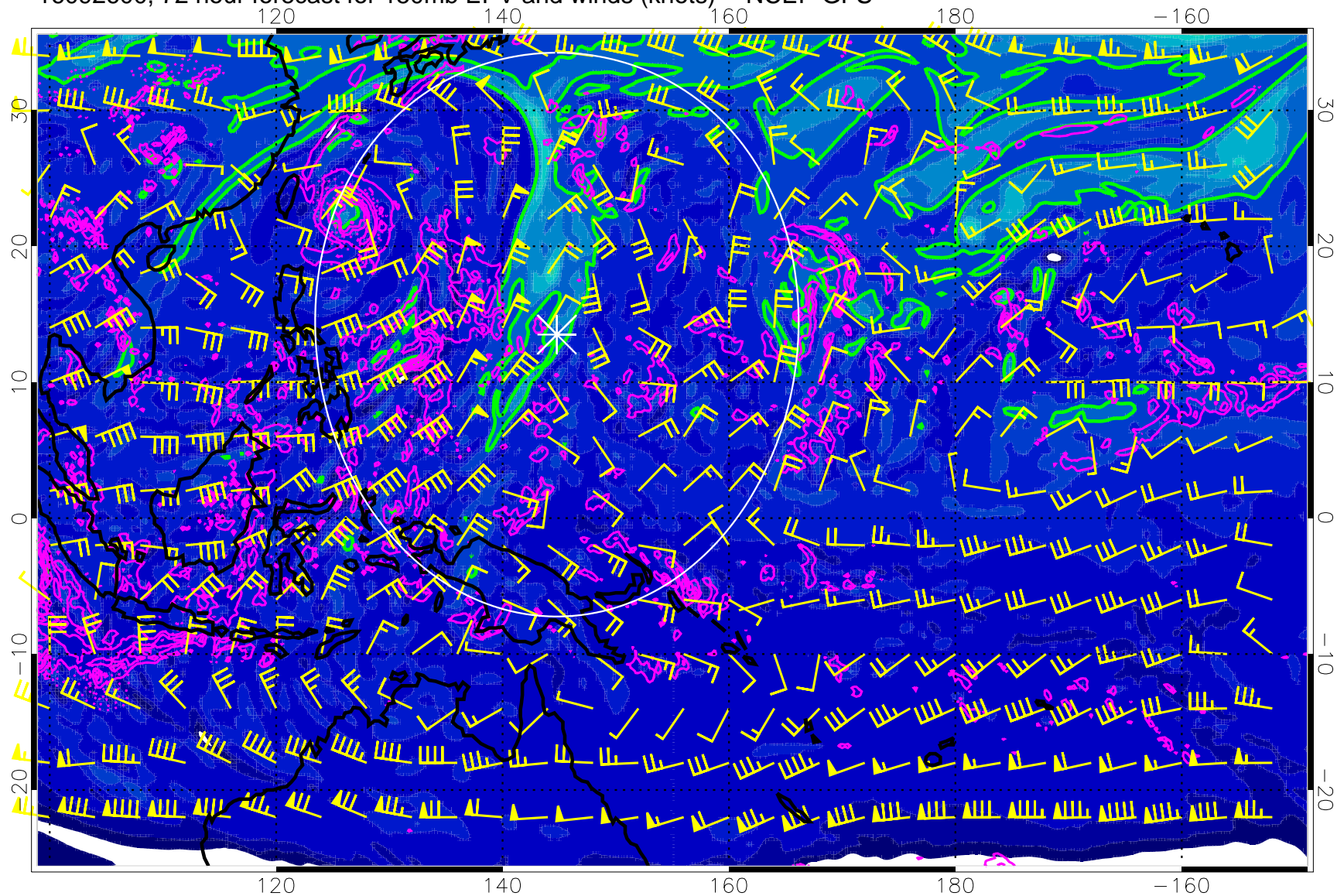
0       $5.0 \times 10^{-6}$        $1.0 \times 10^{-5}$        $1.5 \times 10^{-5}$   
PVU

Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16092600, 72 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



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

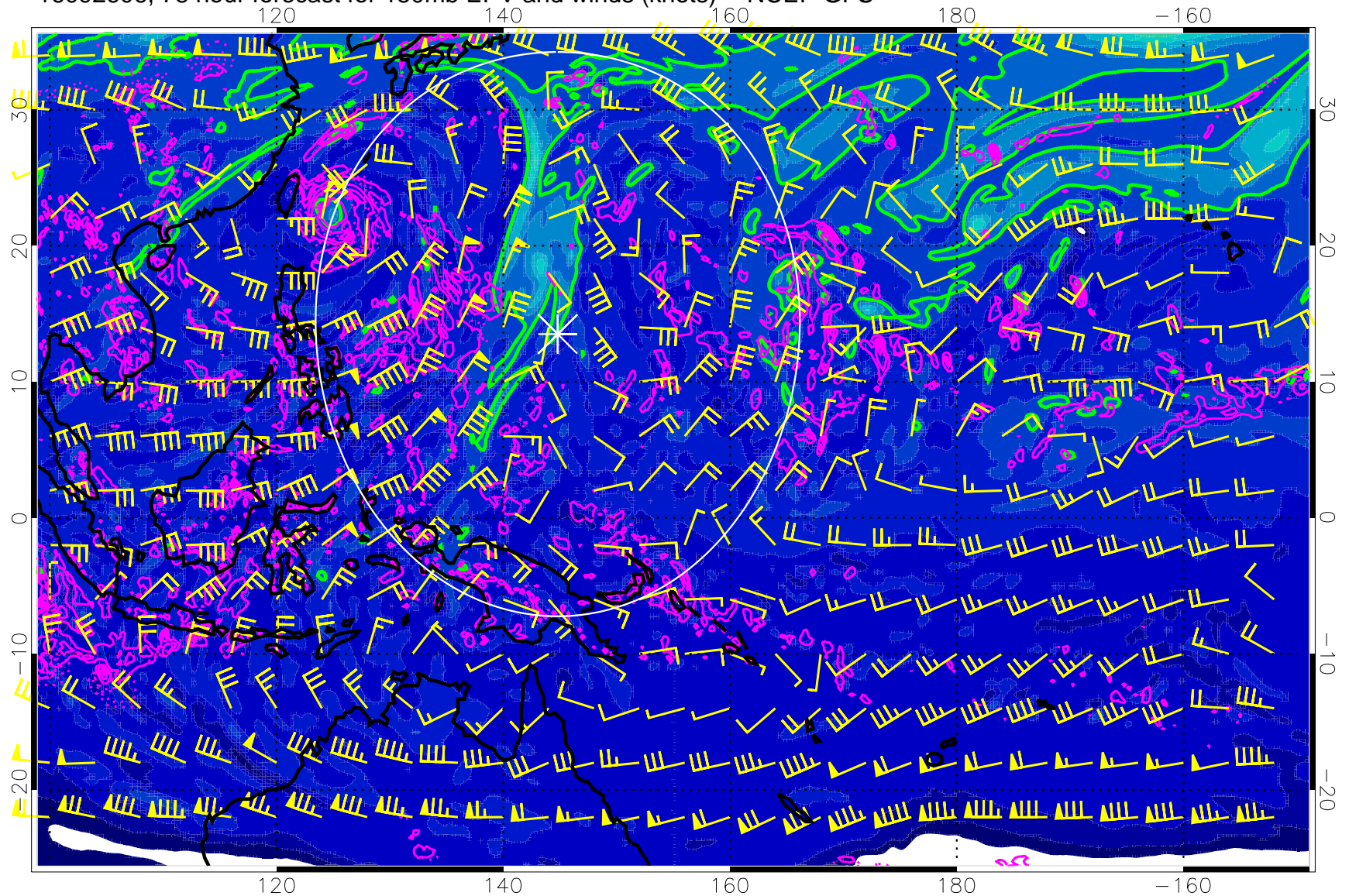
Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km



16092606, 78 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



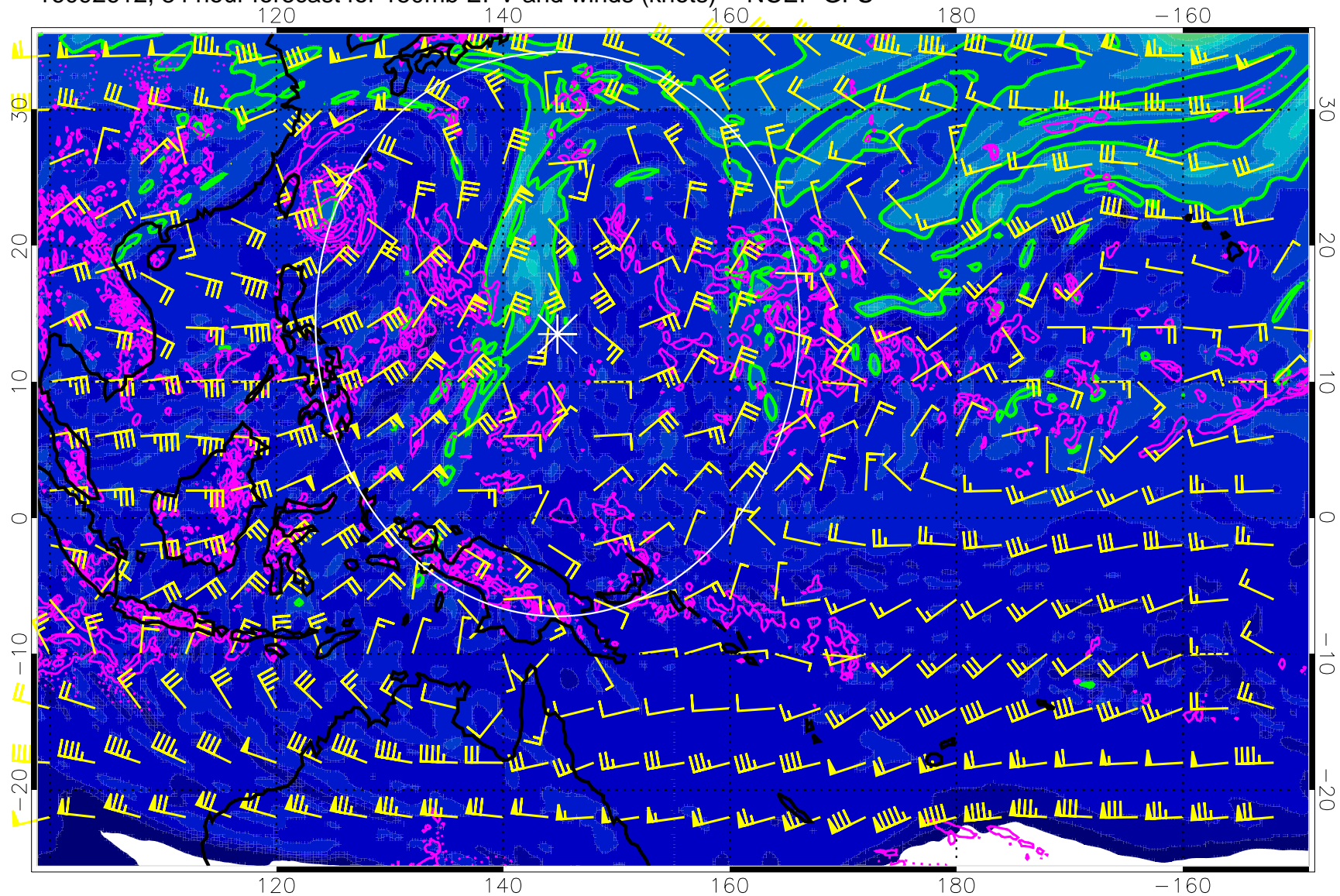
0       $5.0 \times 10^{-6}$        $1.0 \times 10^{-5}$        $1.5 \times 10^{-5}$   
PVU

Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16092612, 84 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



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

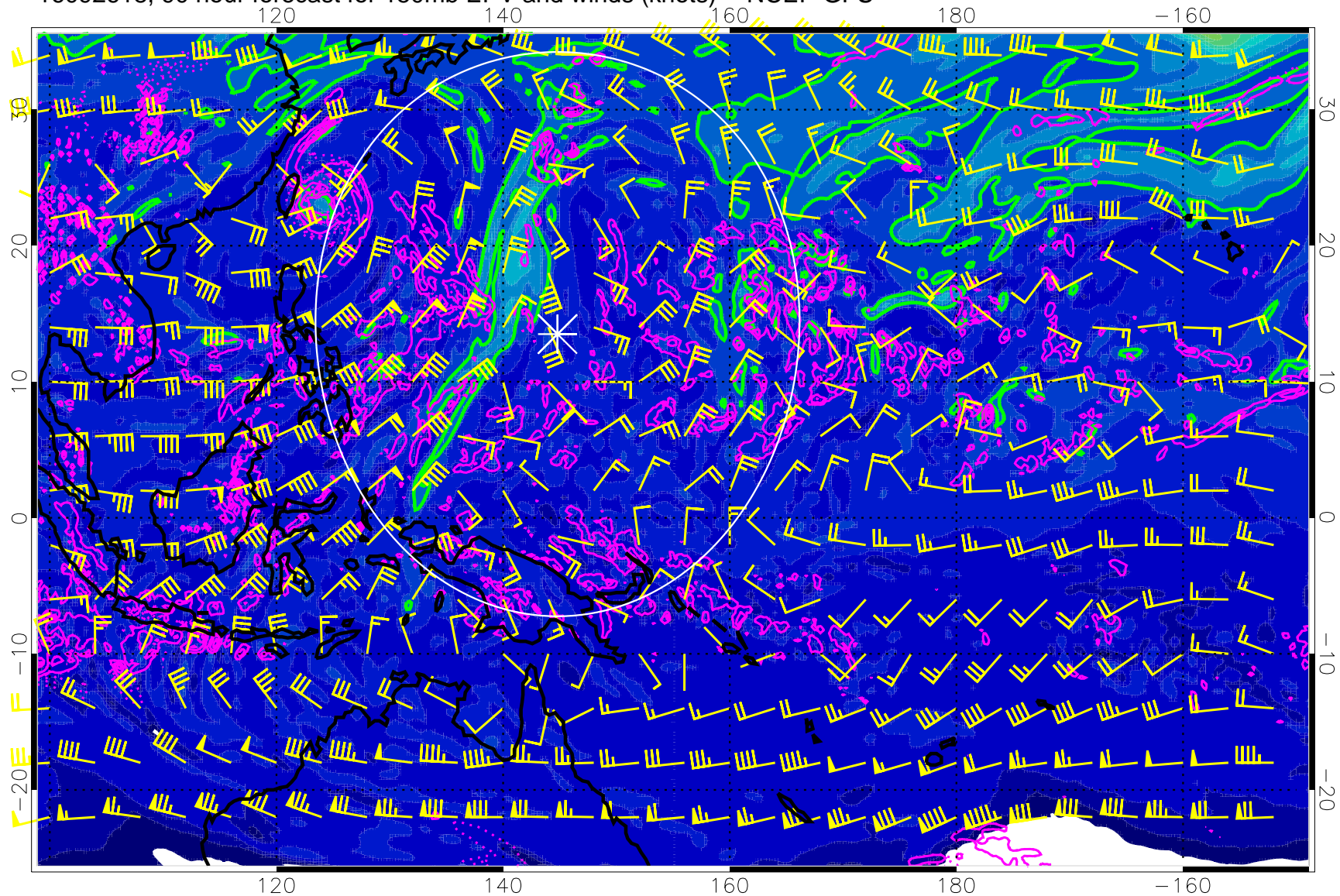
Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km



16092618, 90 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



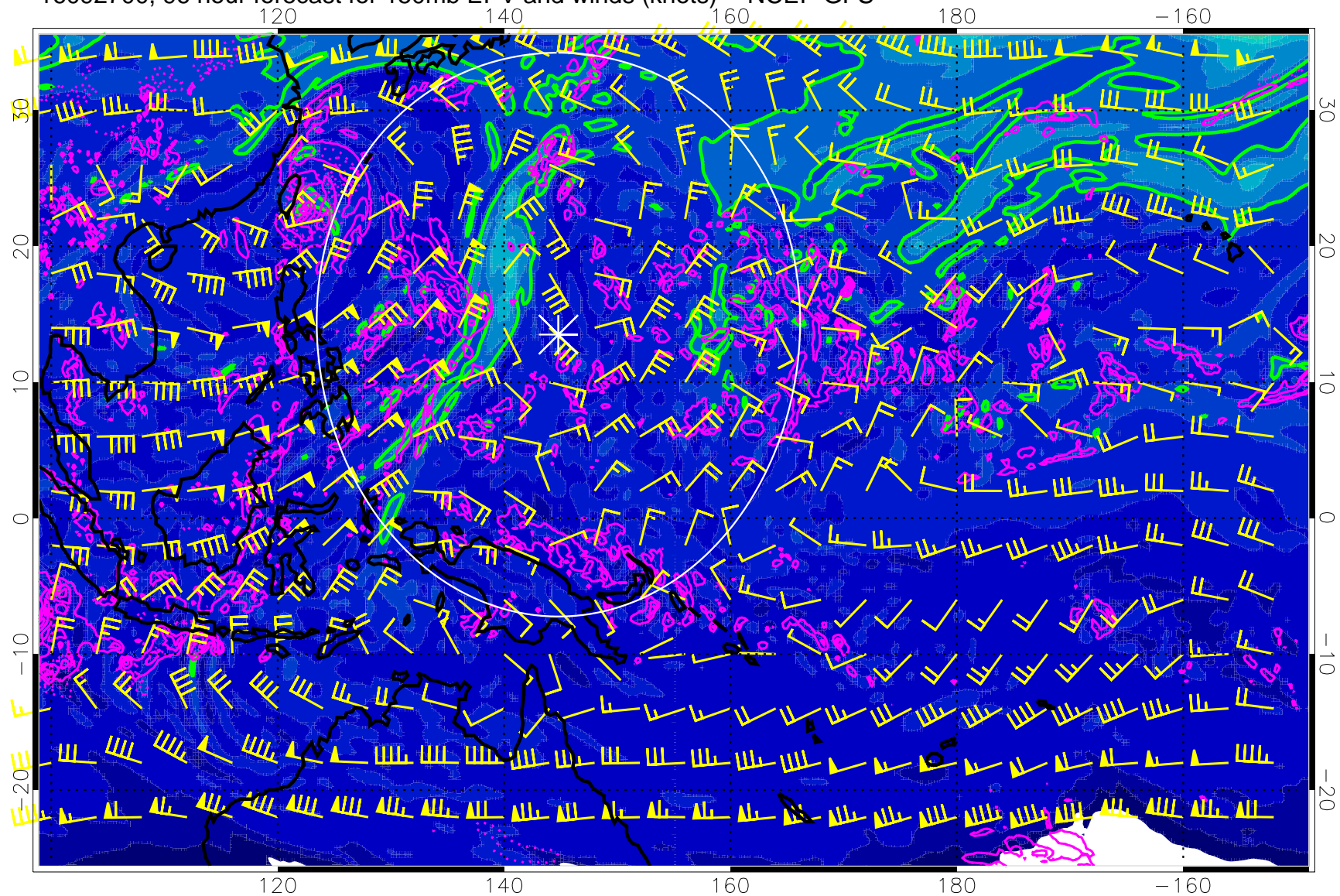
0       $5.0 \times 10^{-6}$        $1.0 \times 10^{-5}$        $1.5 \times 10^{-5}$   
PVU

Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16092700, 96 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



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

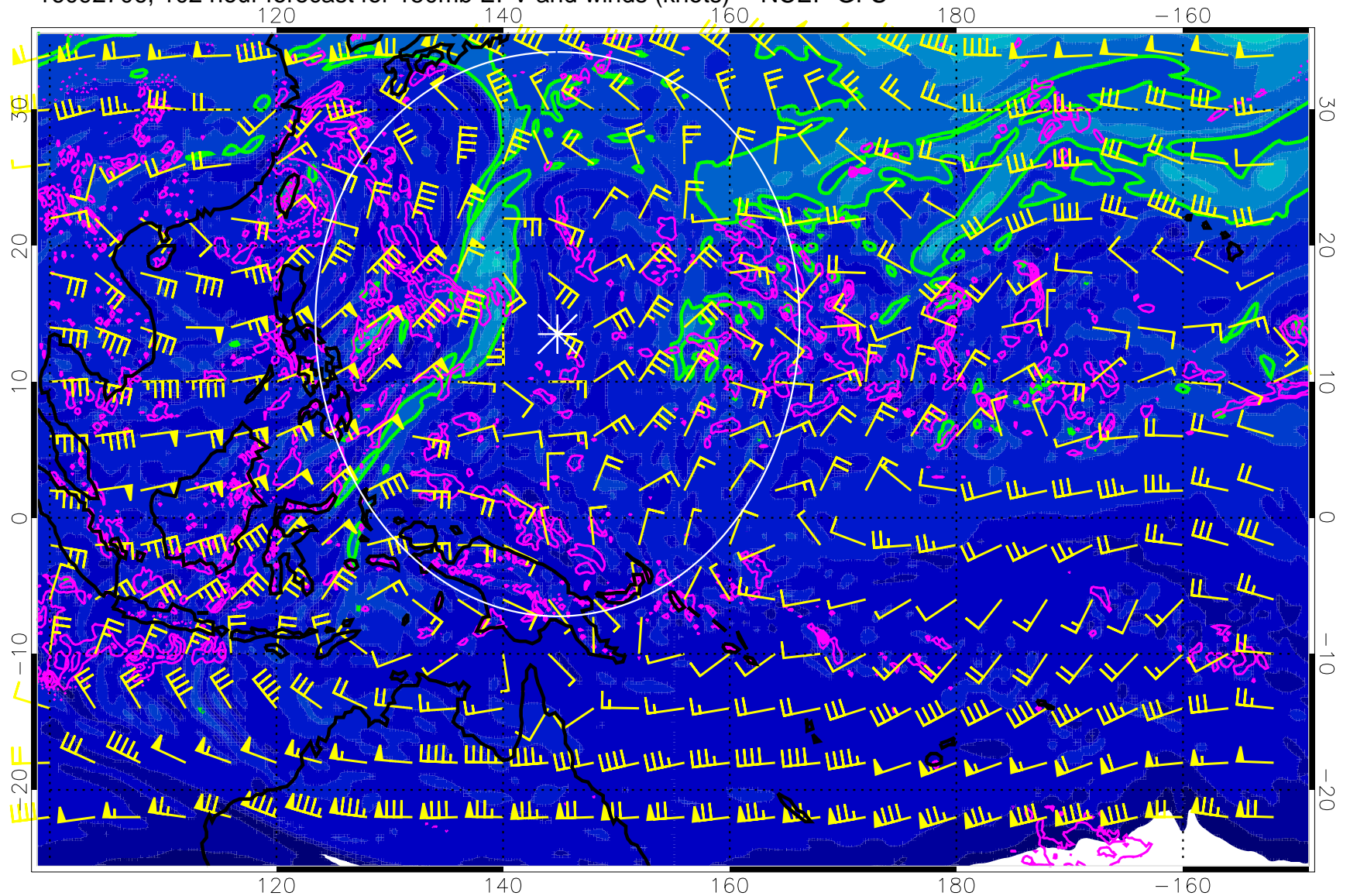
Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km



16092706, 102 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



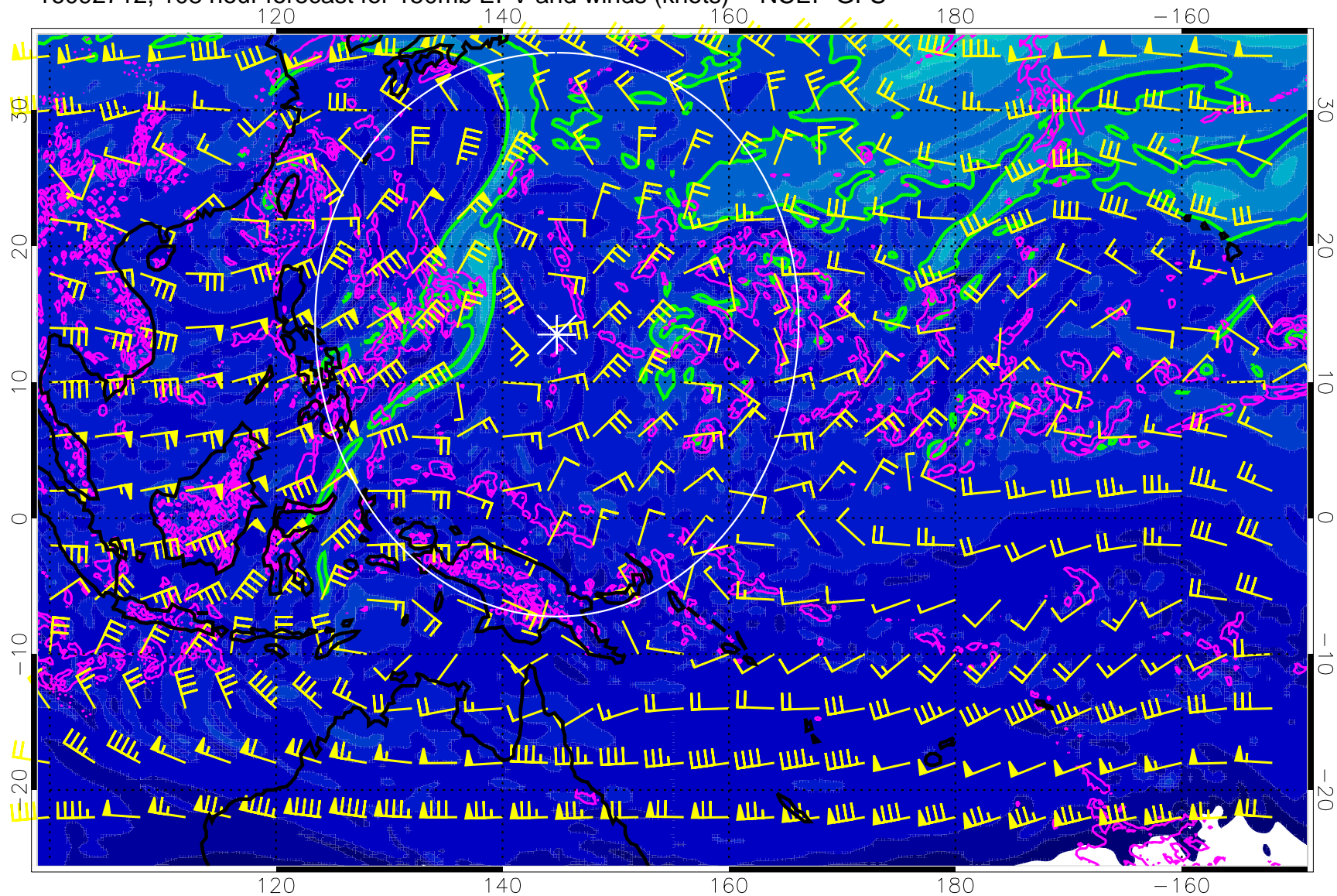
0       $5.0 \times 10^{-6}$        $1.0 \times 10^{-5}$        $1.5 \times 10^{-5}$   
PVU

Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16092712, 108 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



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

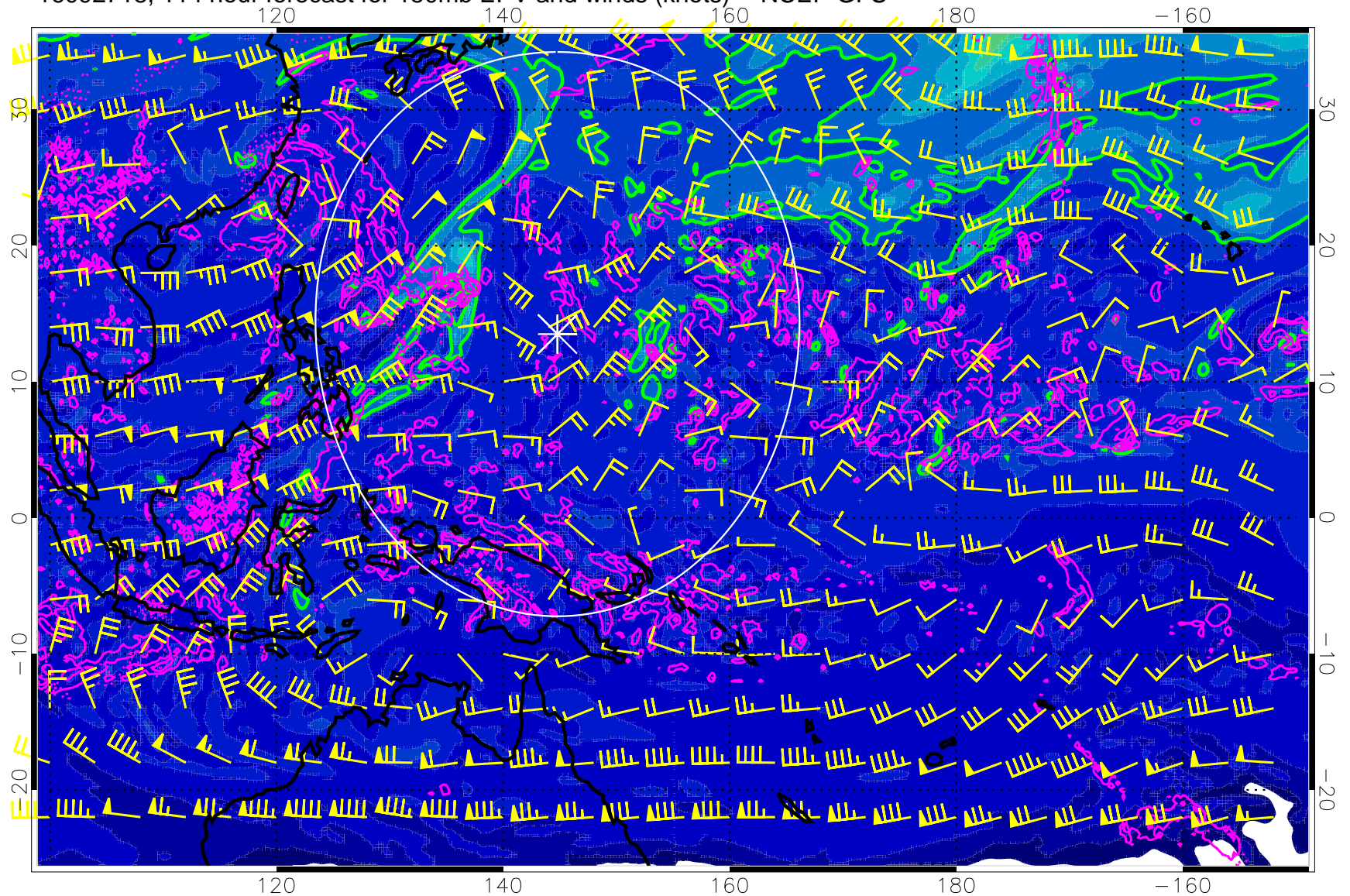
Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km



16092718, 114 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



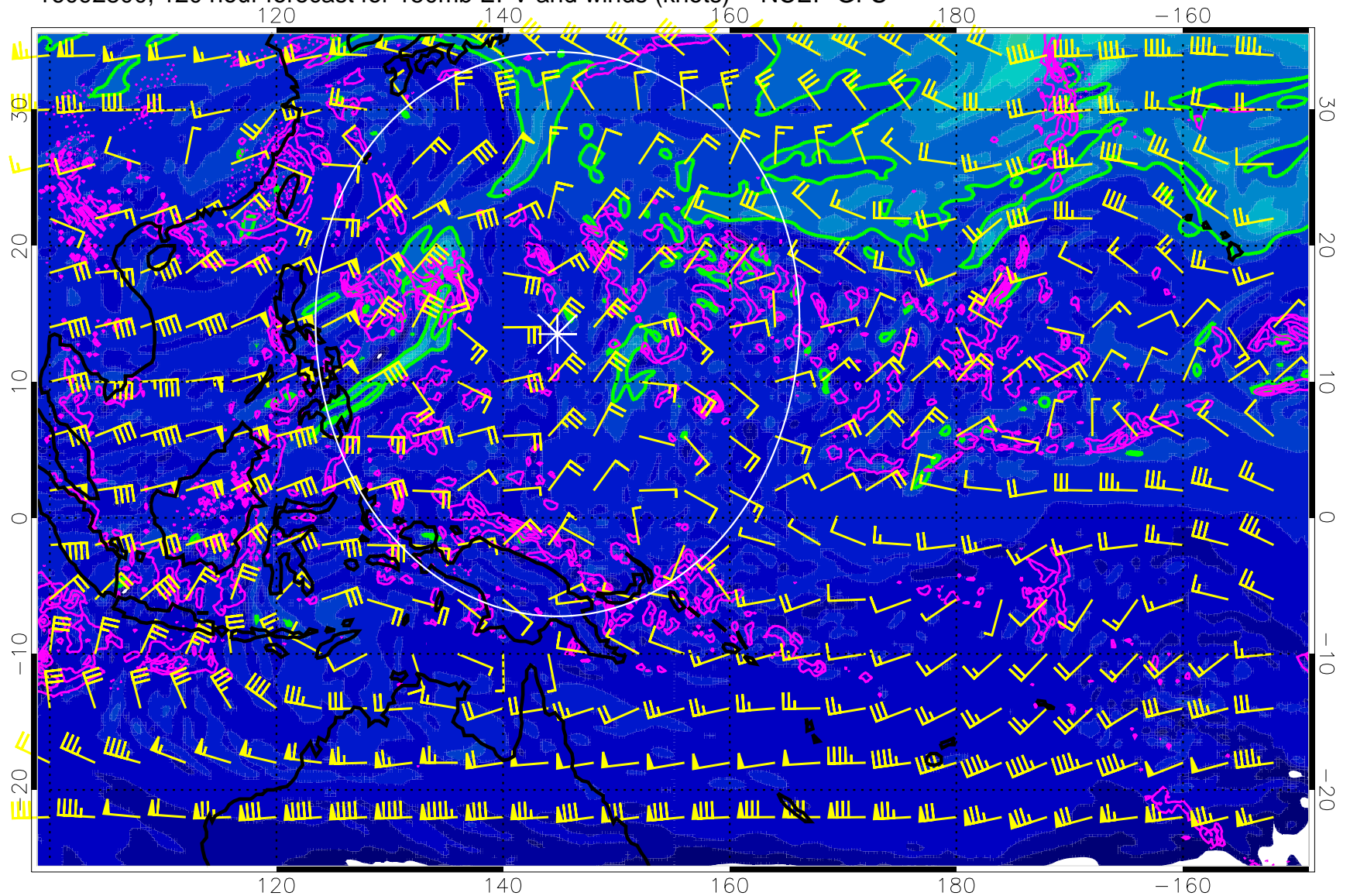
0       $5.0 \times 10^{-6}$        $1.0 \times 10^{-5}$        $1.5 \times 10^{-5}$   
PVU

Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16092800, 120 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



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

Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km