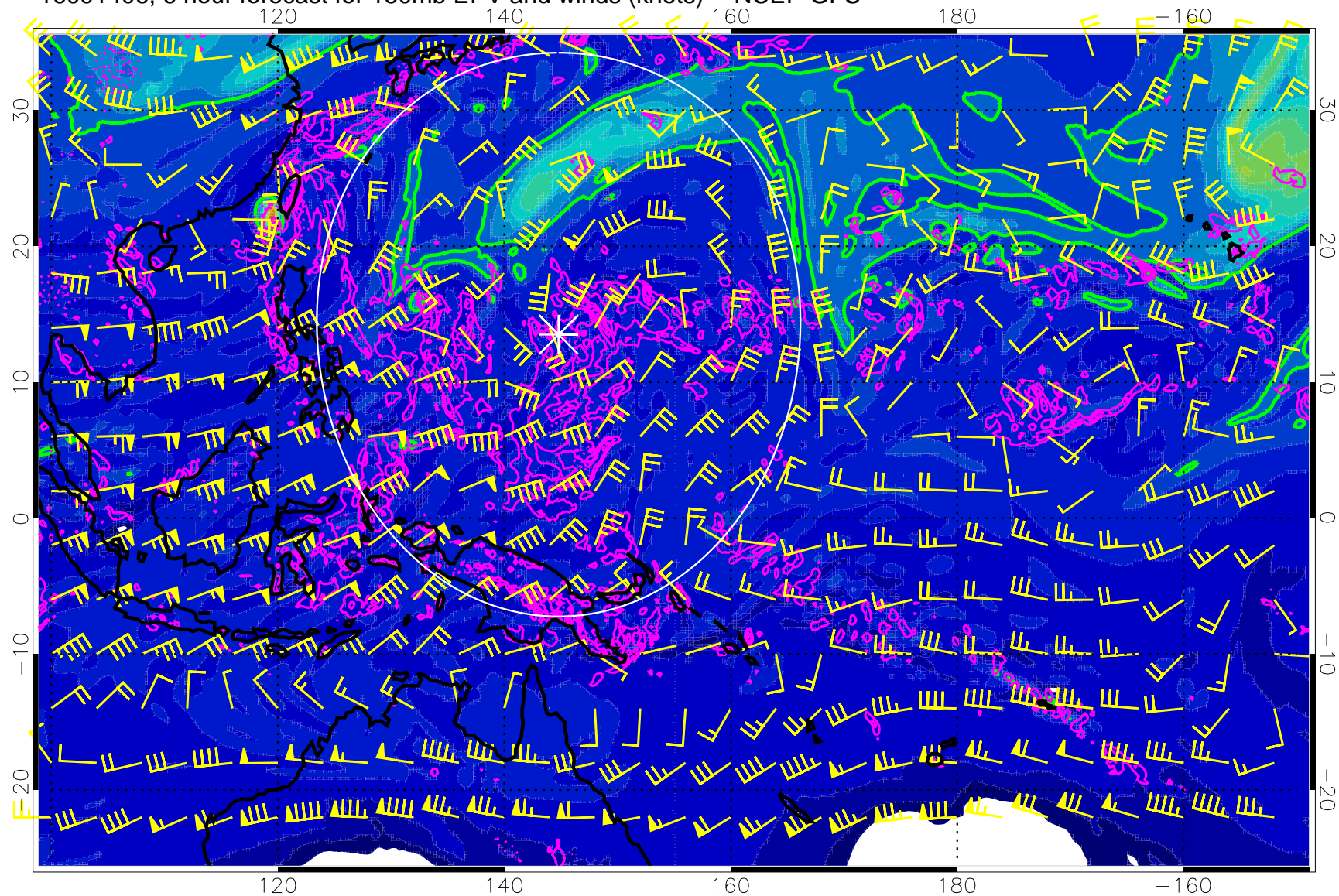


16091406, 6 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

$5.0 \times 10^{-6}$

$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

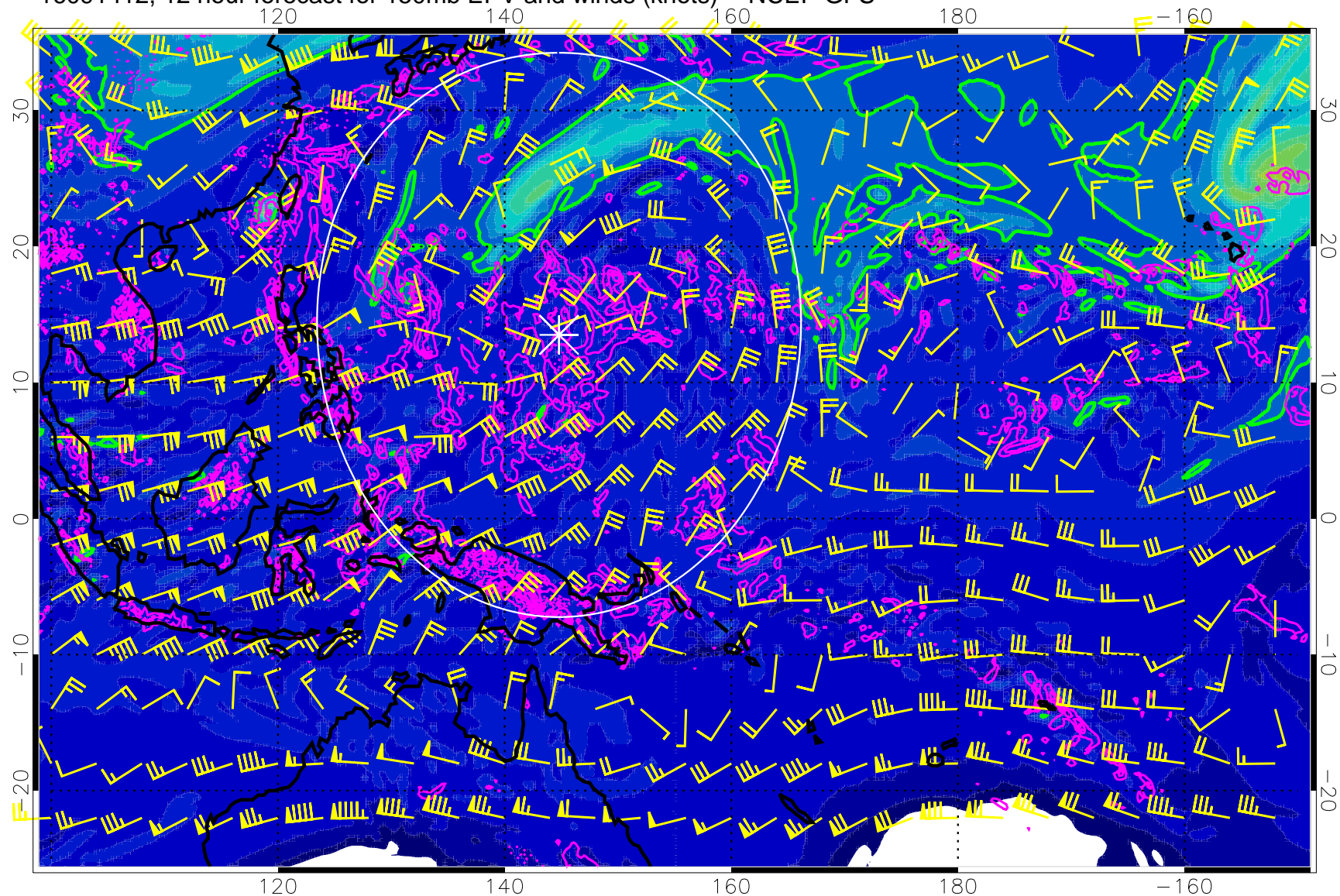
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091412, 12 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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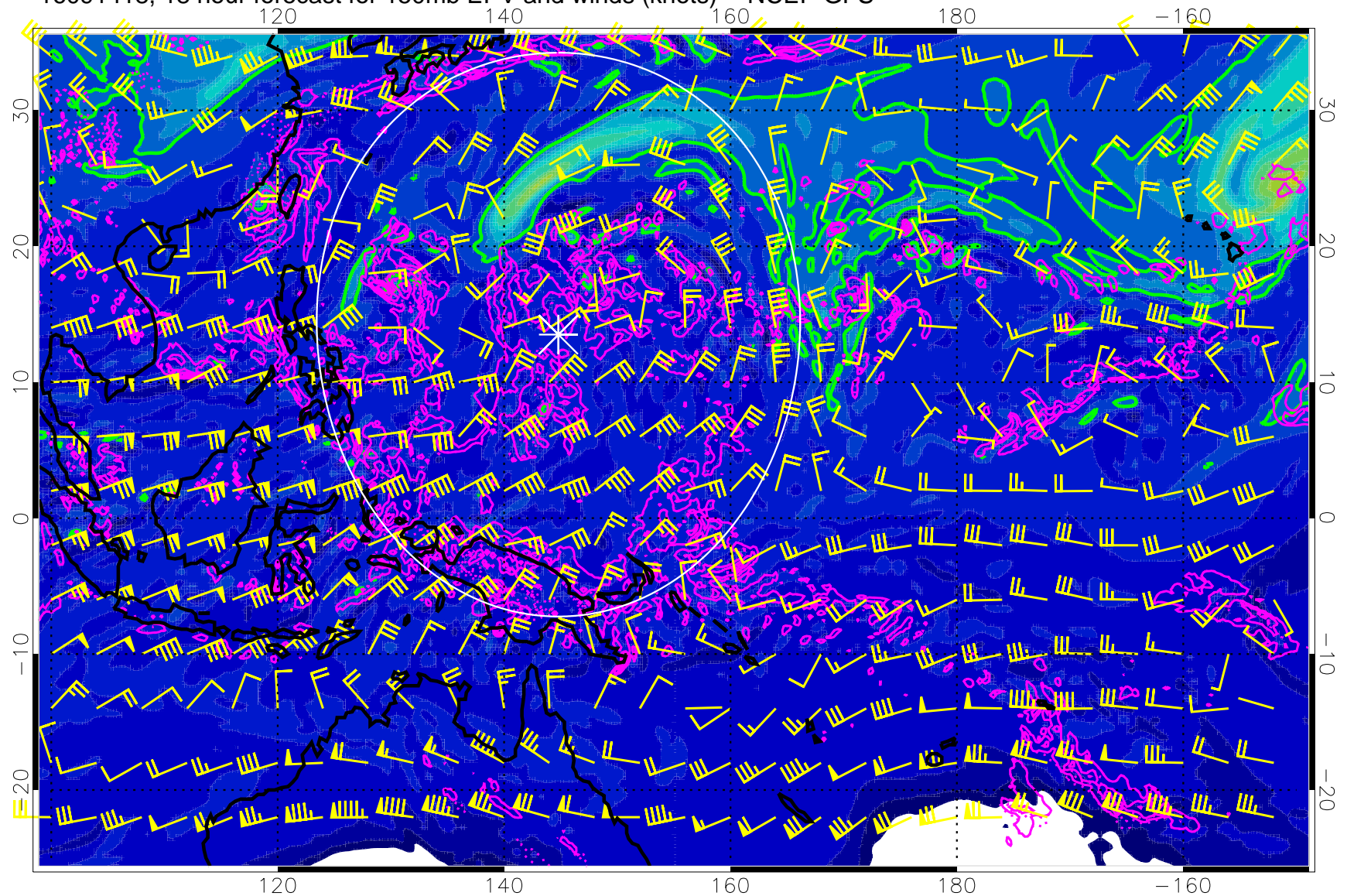
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091418, 18 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



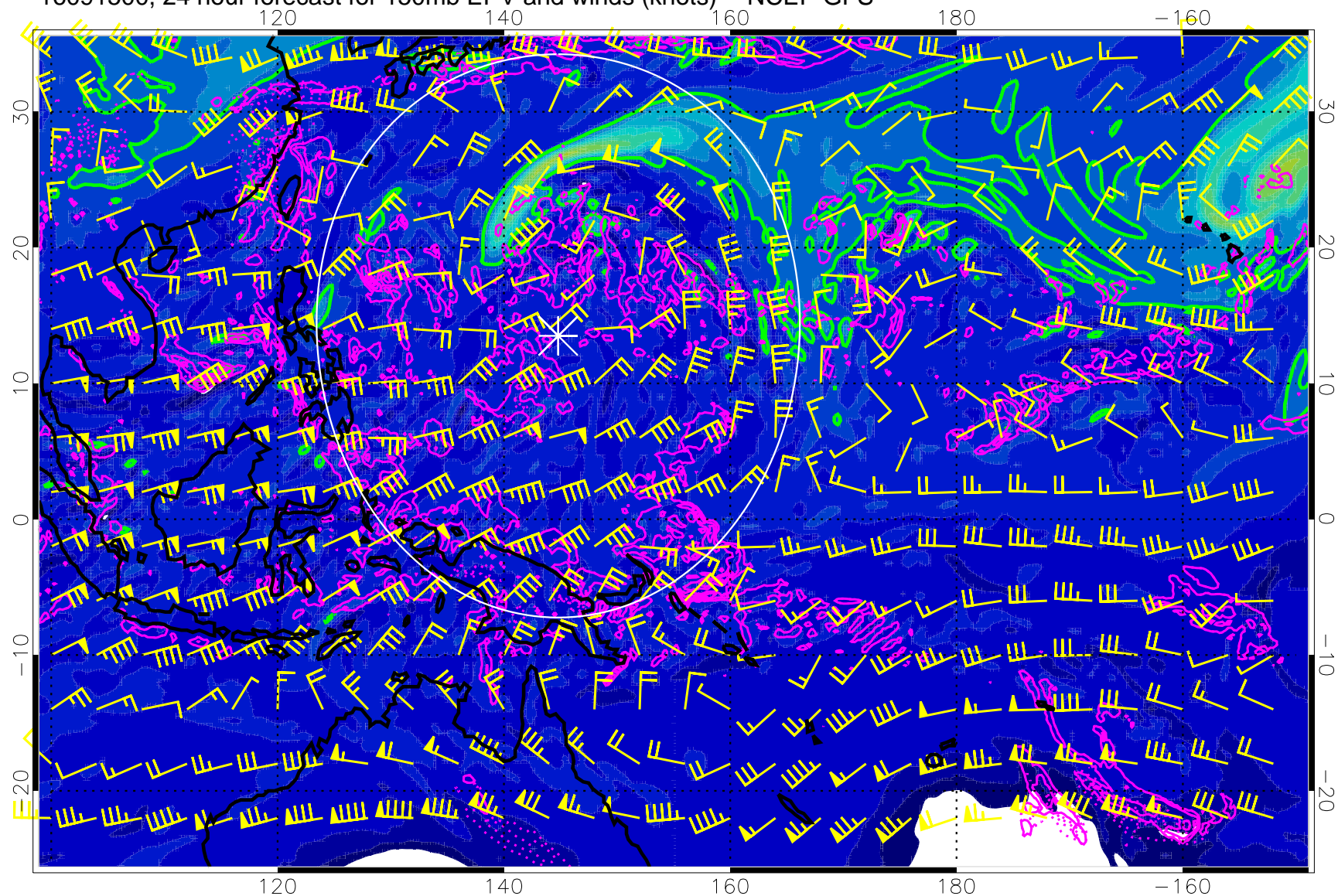
0  $5.0 \times 10^{-6}$   $1.0 \times 10^{-5}$   $1.5 \times 10^{-5}$   
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091500, 24 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

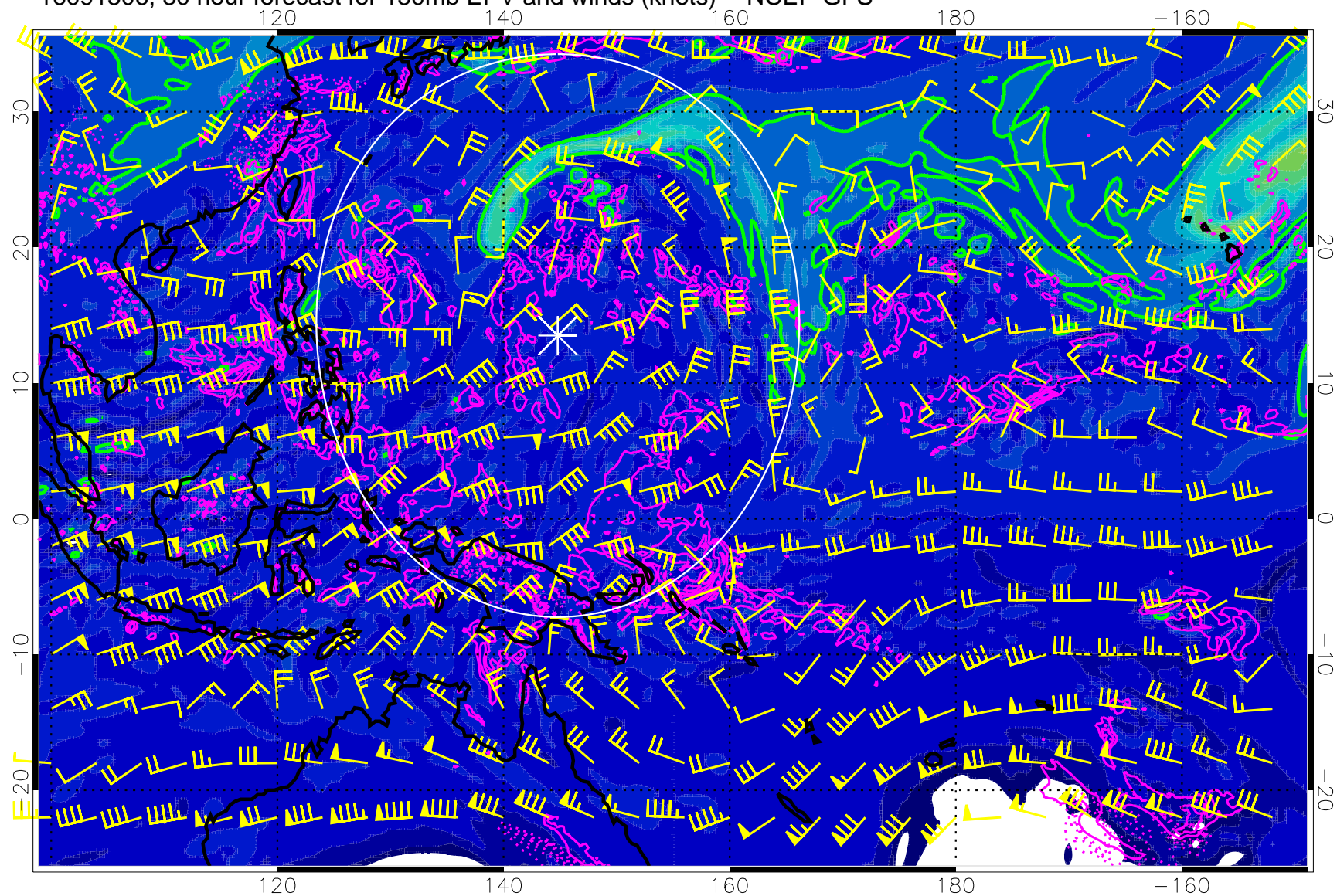
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091506, 30 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



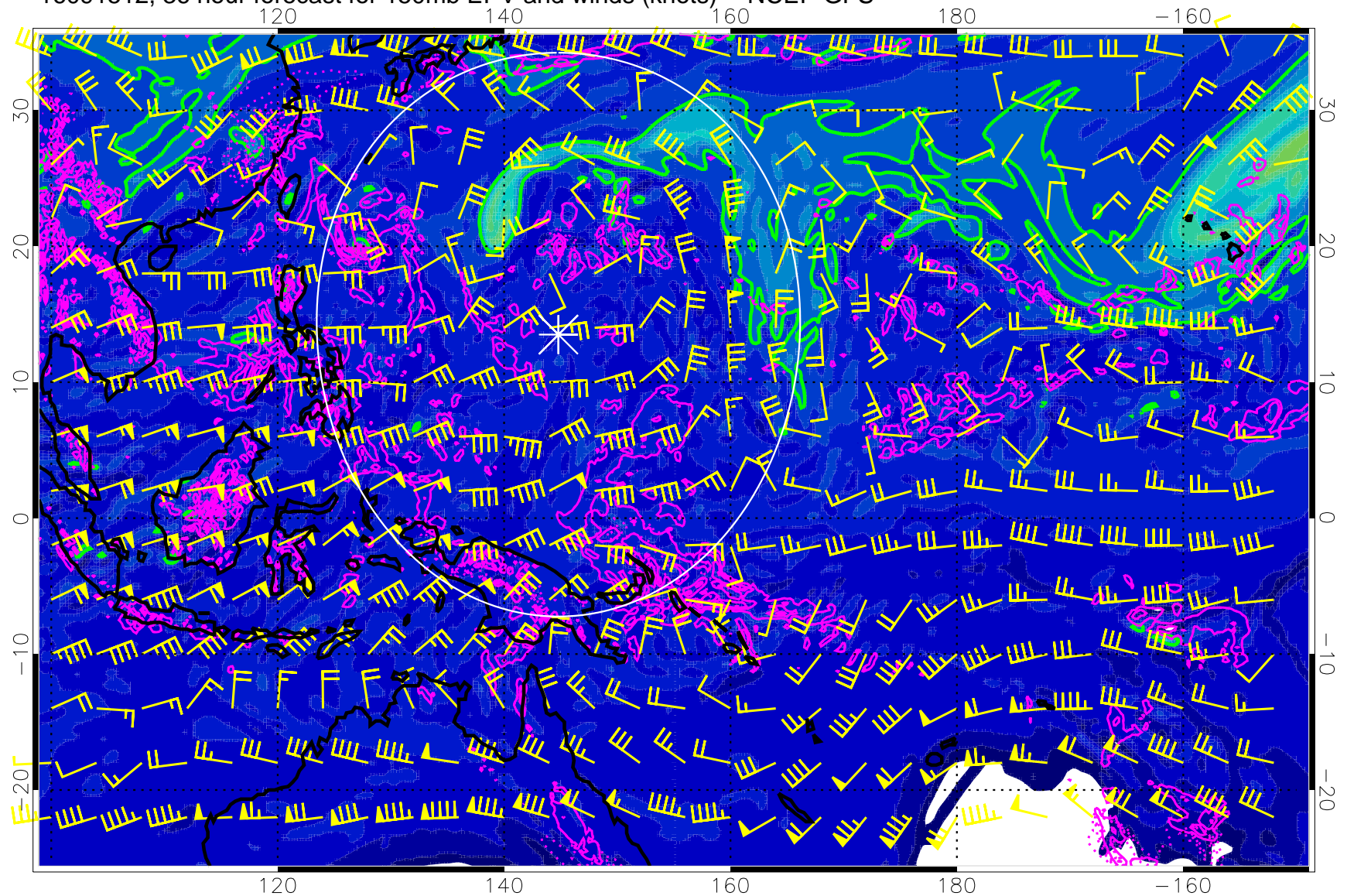
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091512, 36 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

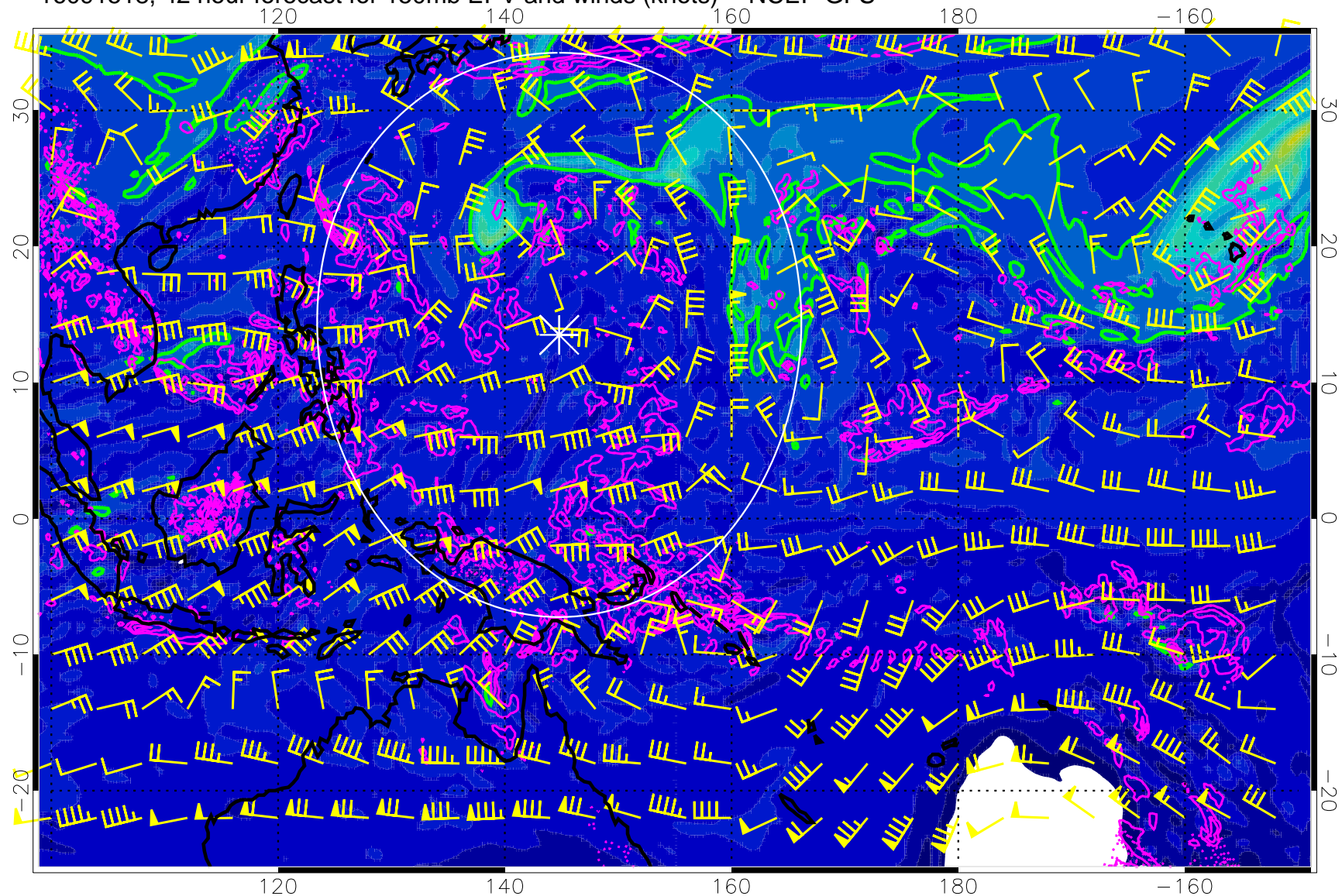
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091518, 42 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

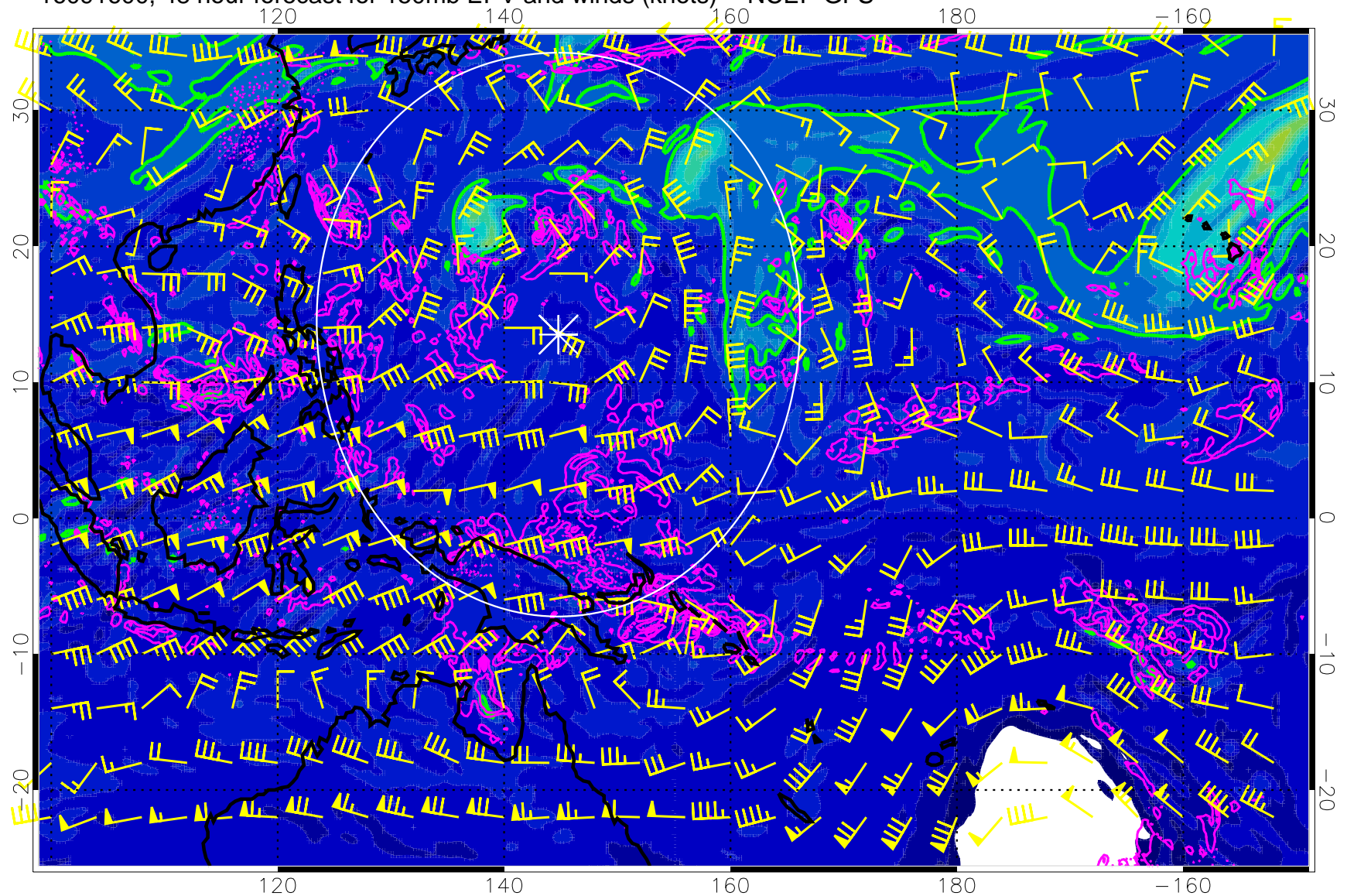
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091600, 48 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

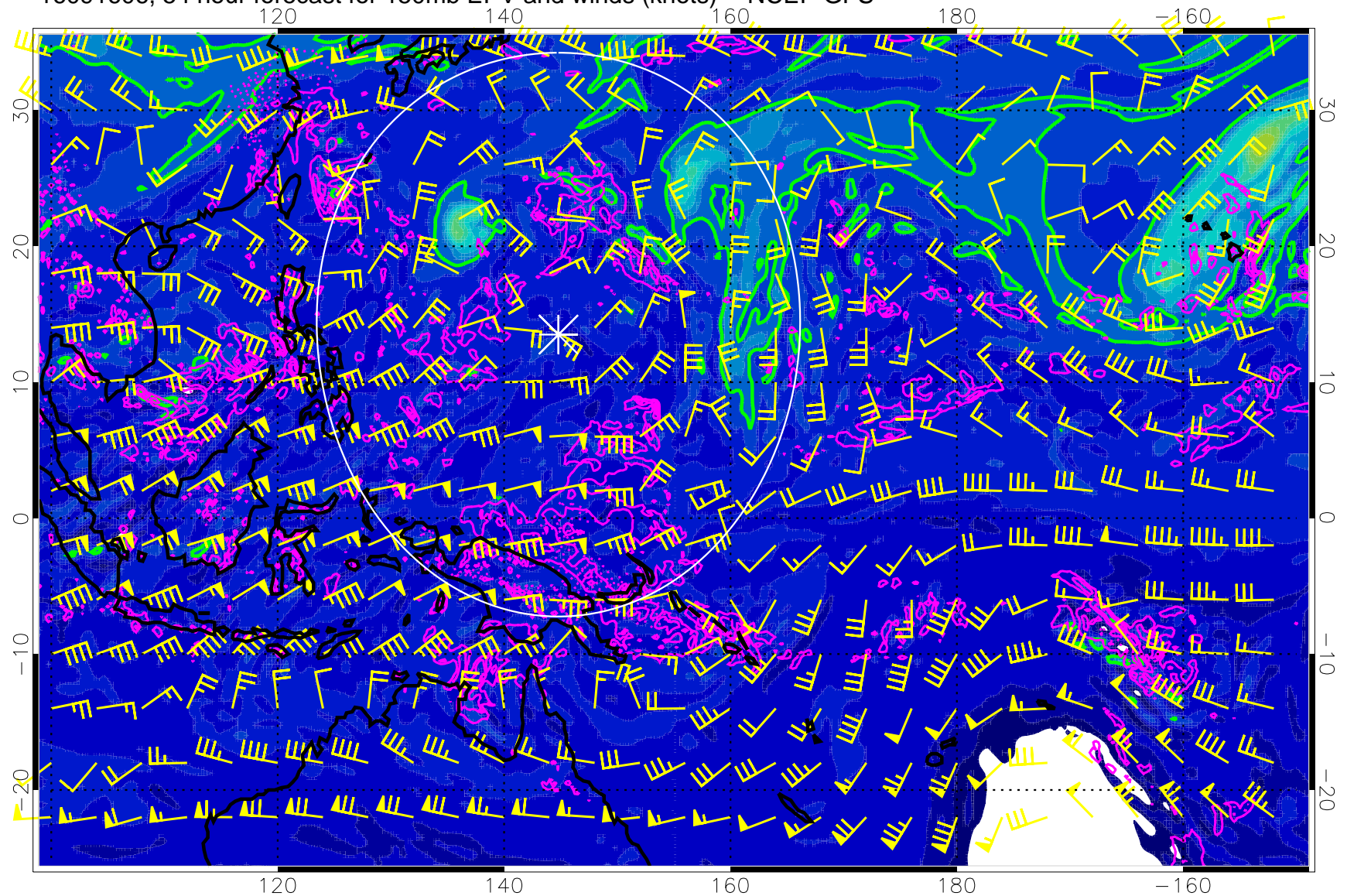
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091606, 54 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

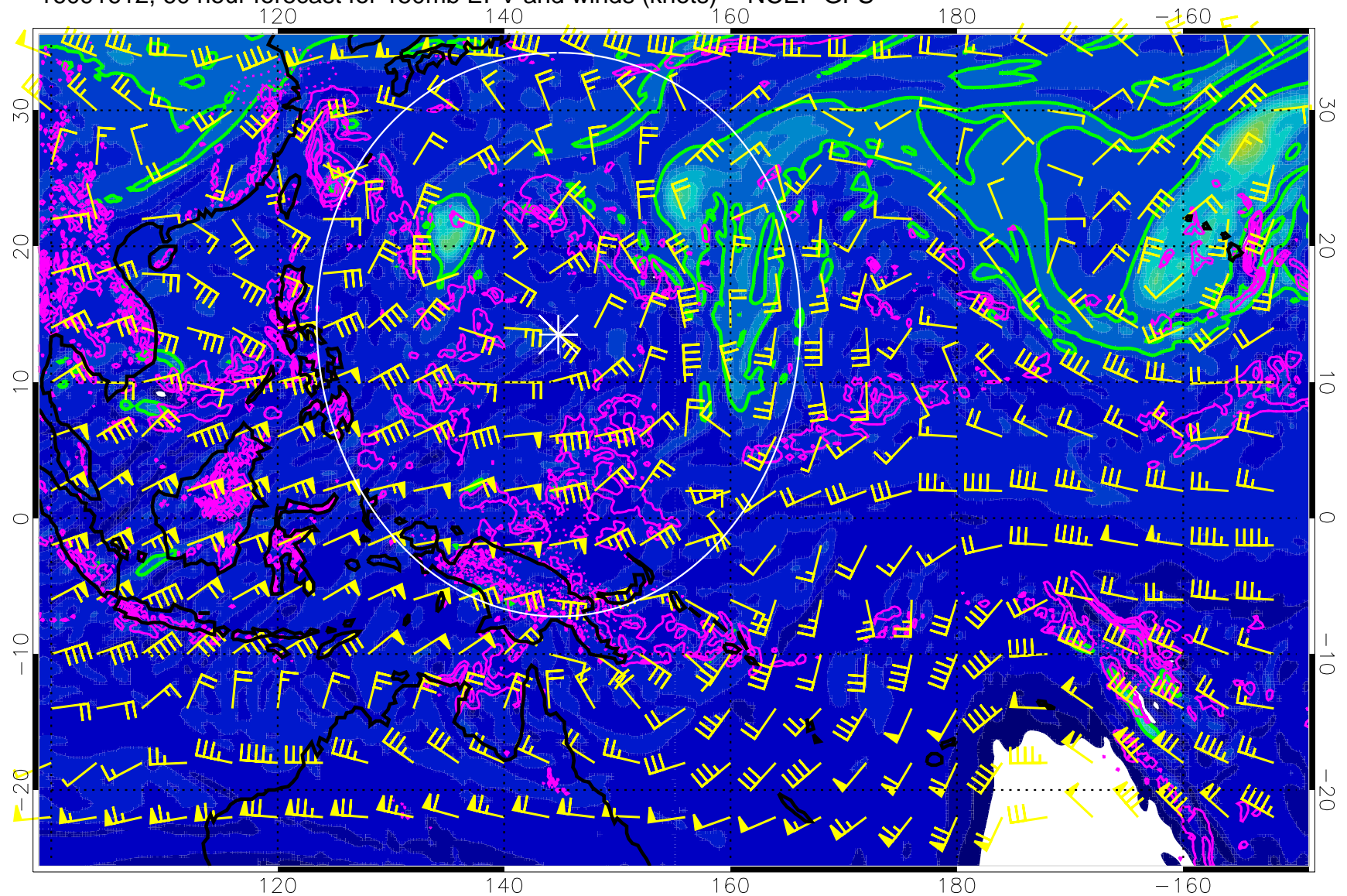
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091612, 60 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

$5.0 \times 10^{-6}$

$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

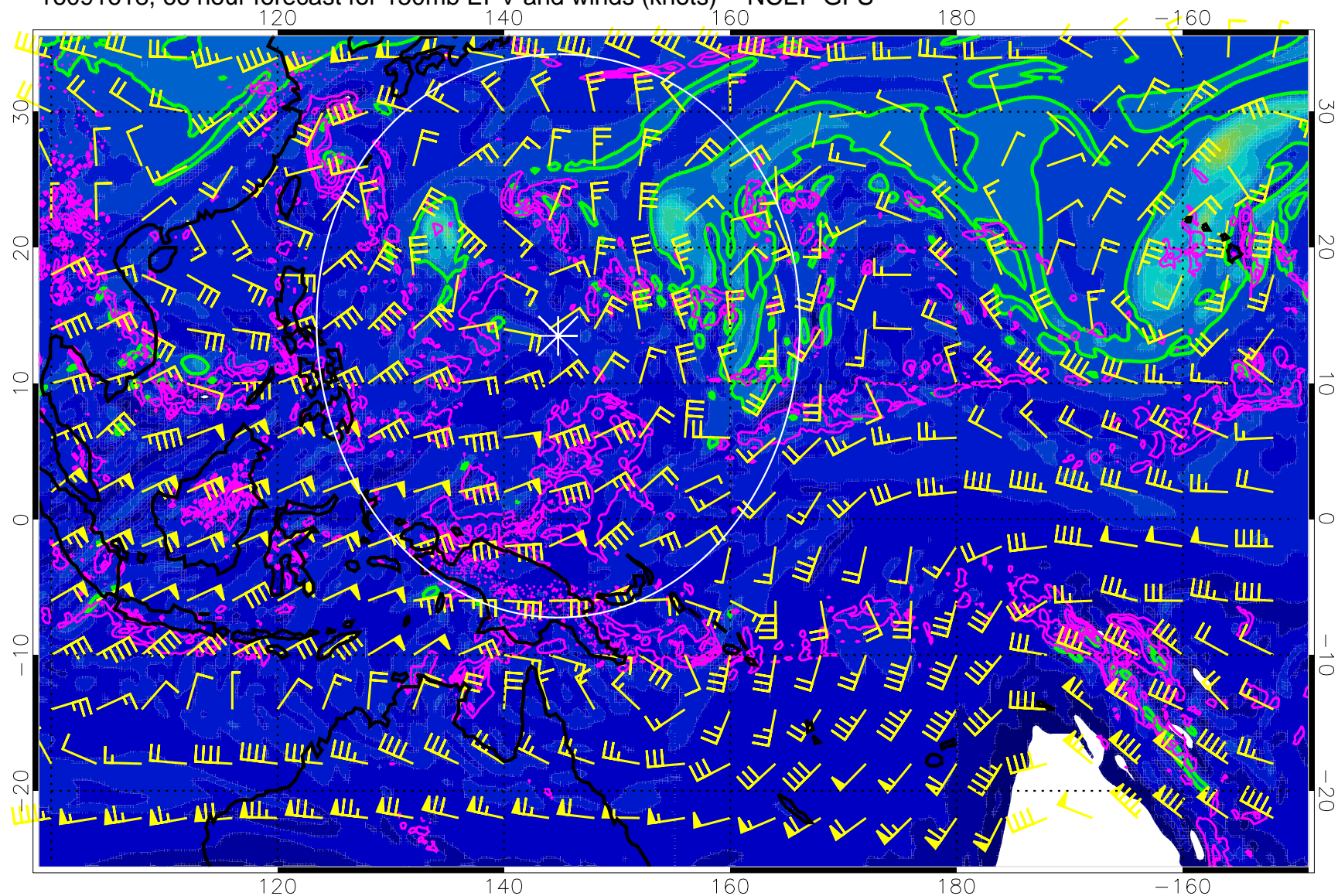
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091618, 66 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

$5.0 \times 10^{-6}$

$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

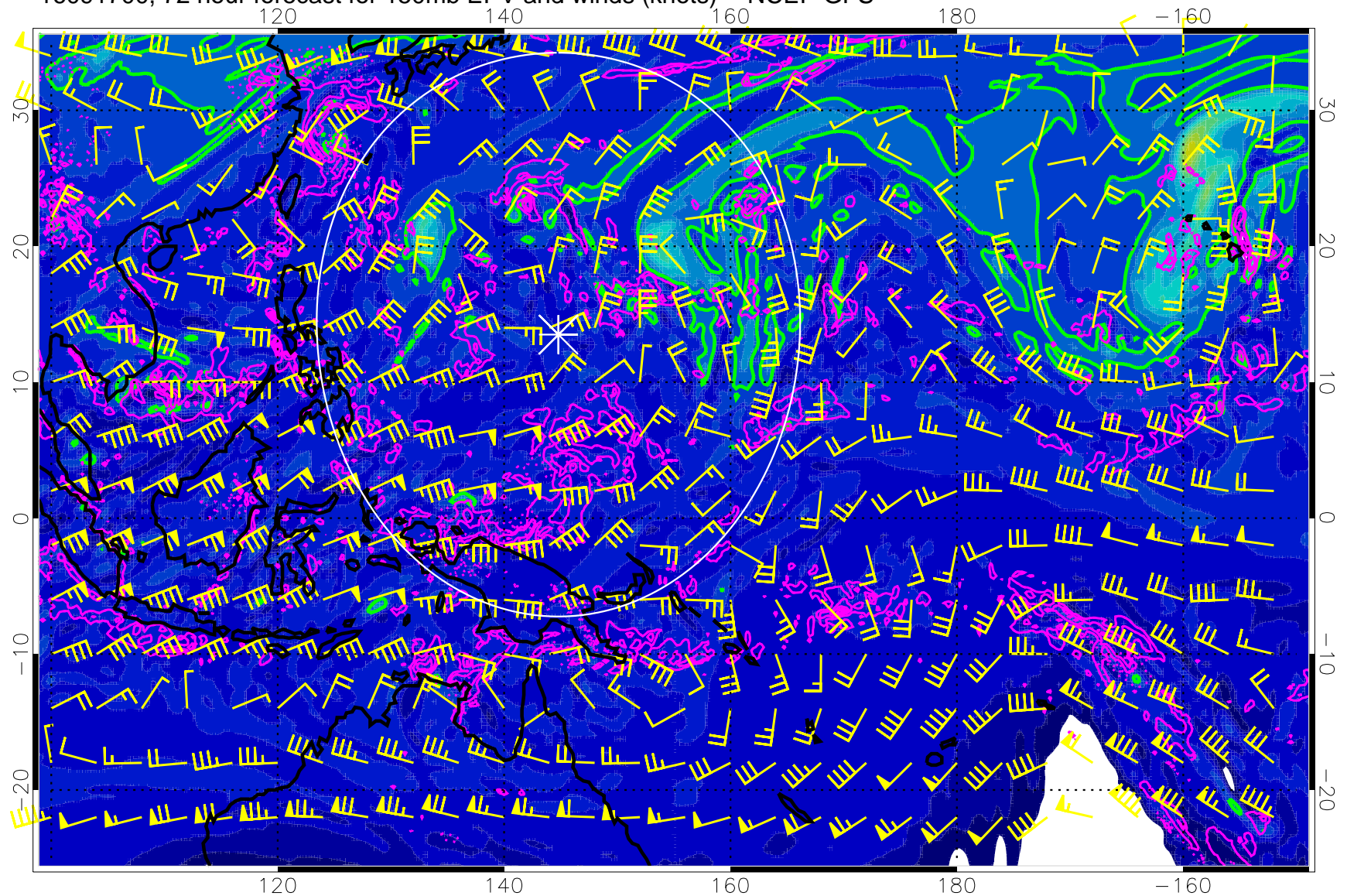
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091700, 72 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



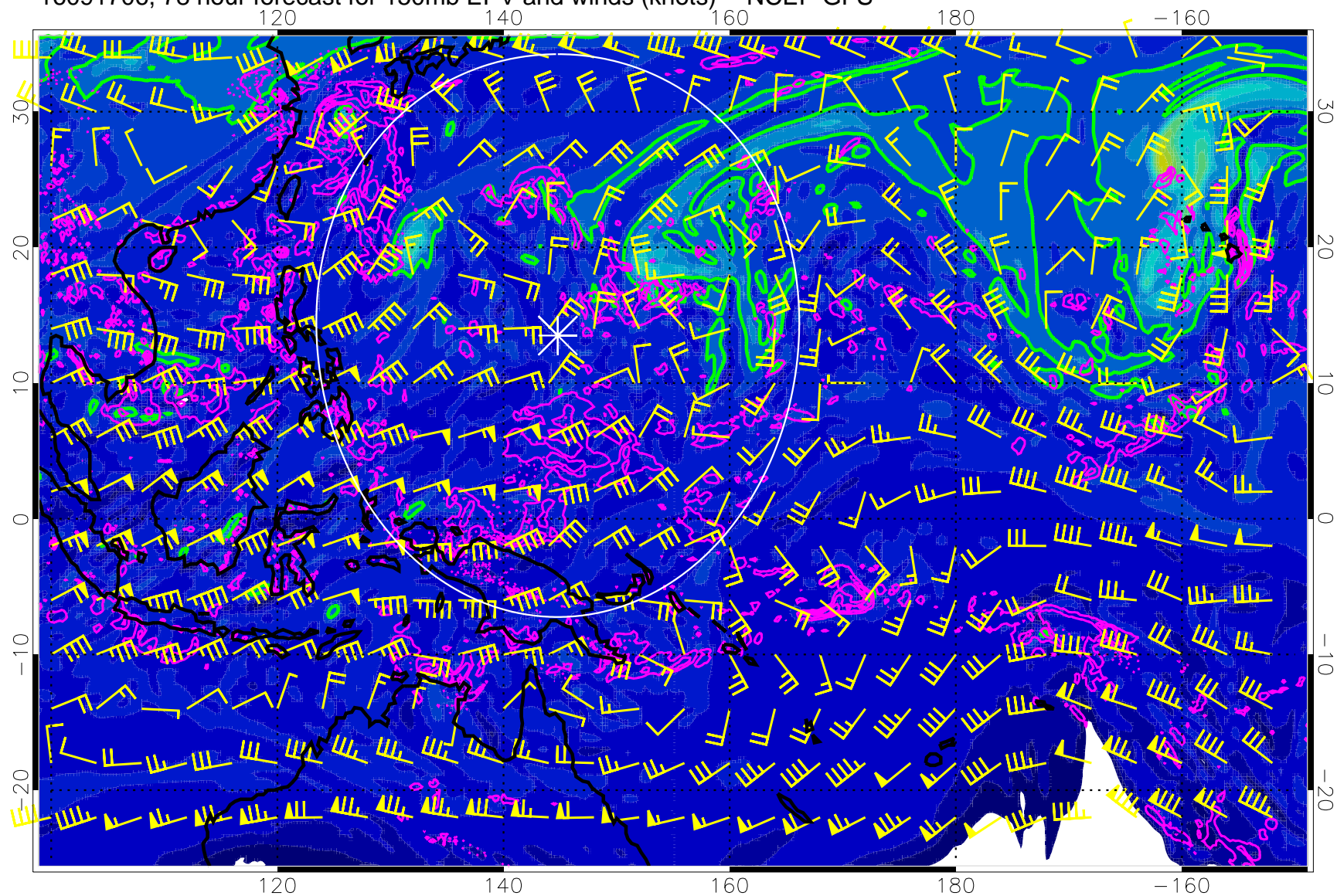
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091706, 78 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

$5.0 \times 10^{-6}$

$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

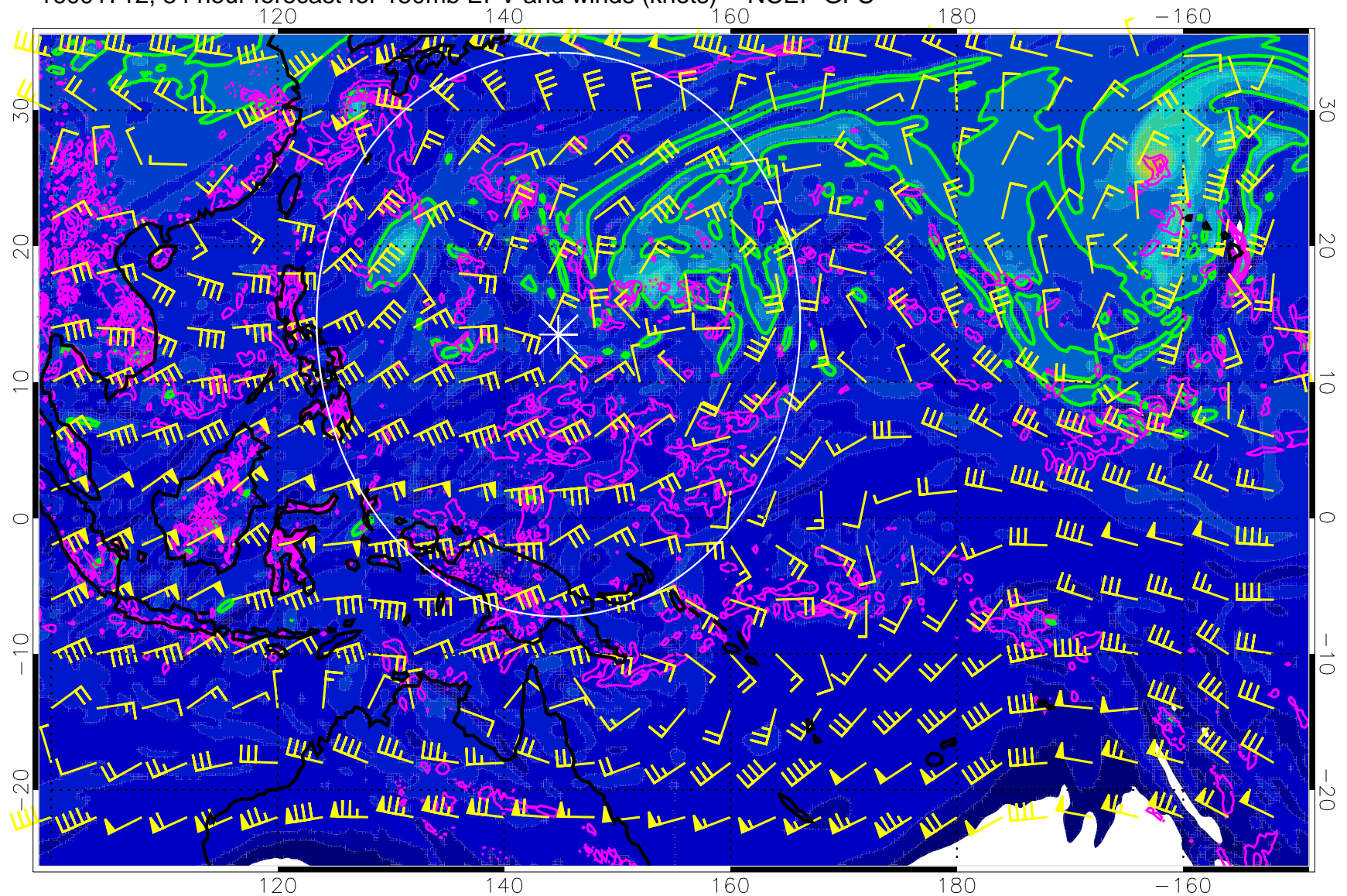
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091712, 84 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



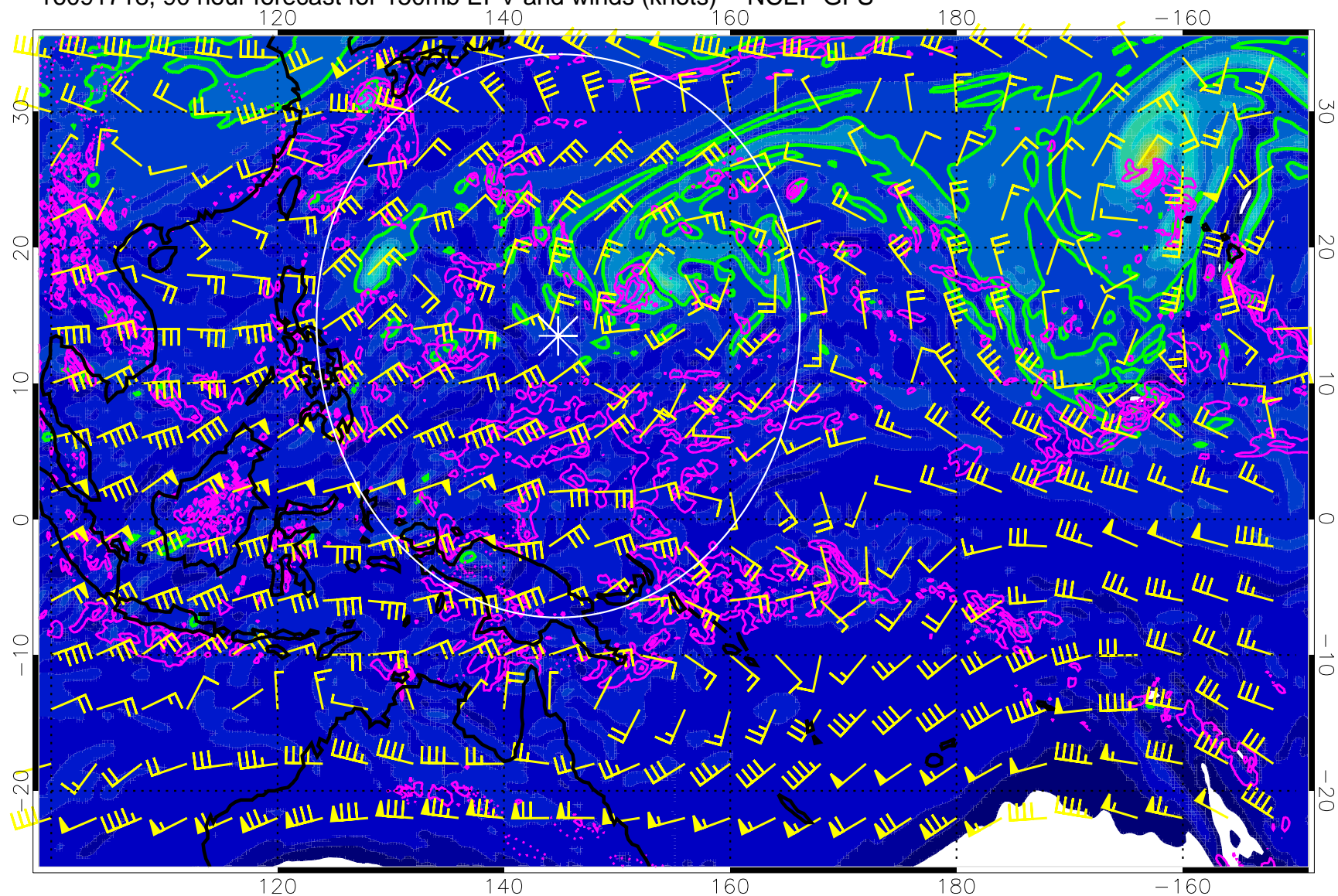
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091718, 90 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

$5.0 \times 10^{-6}$

$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

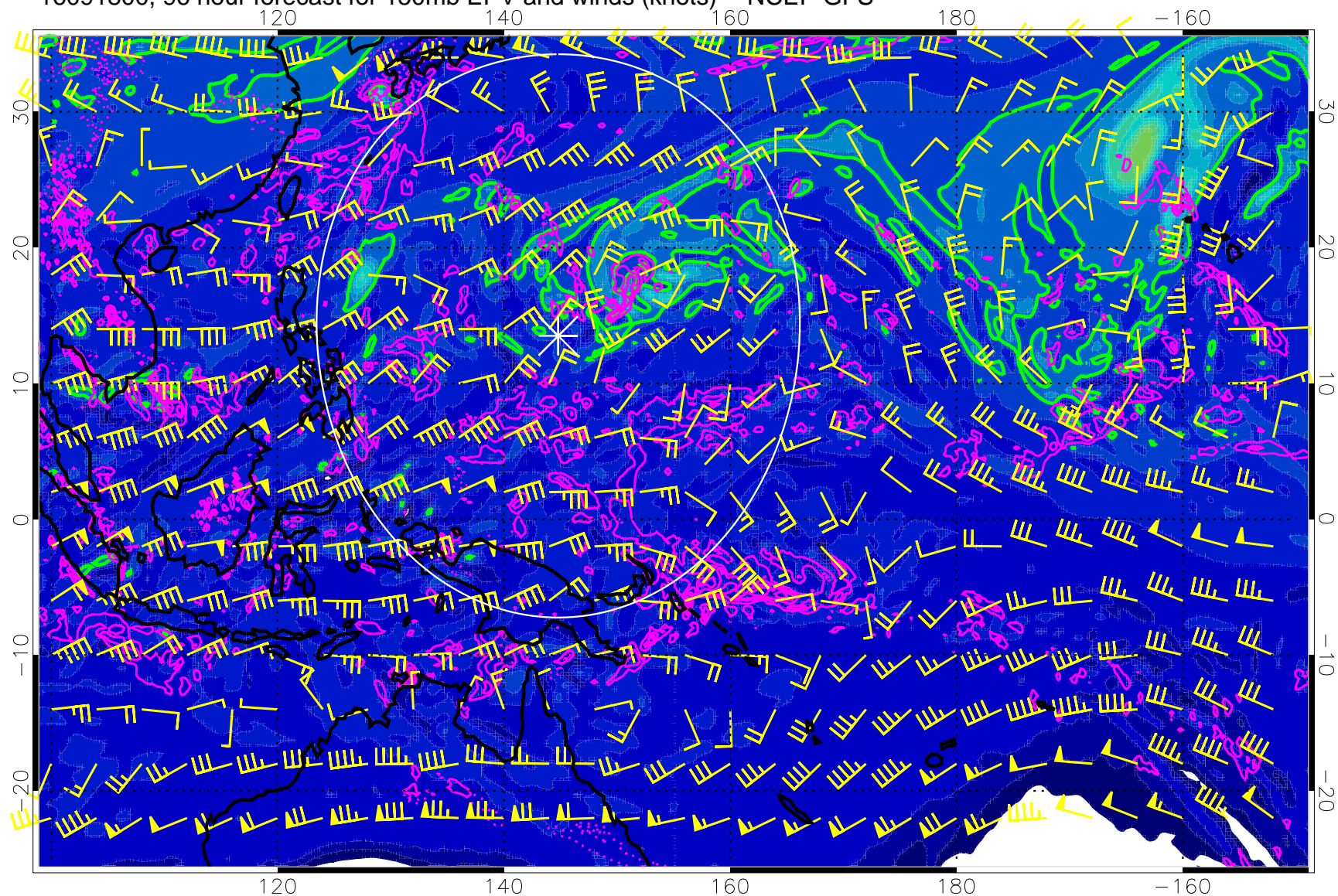
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091800, 96 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

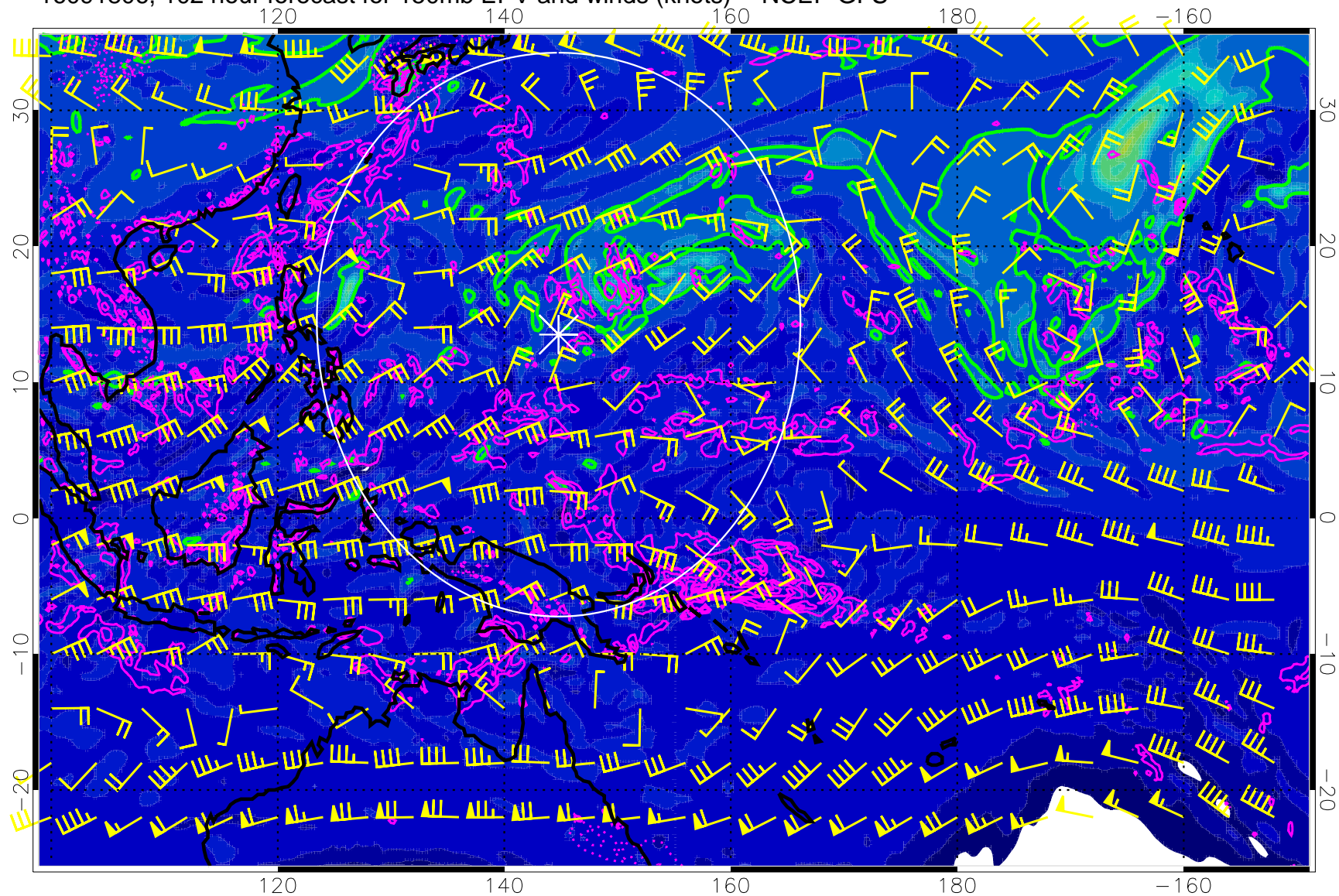
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091806, 102 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

$5.0 \times 10^{-6}$

$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

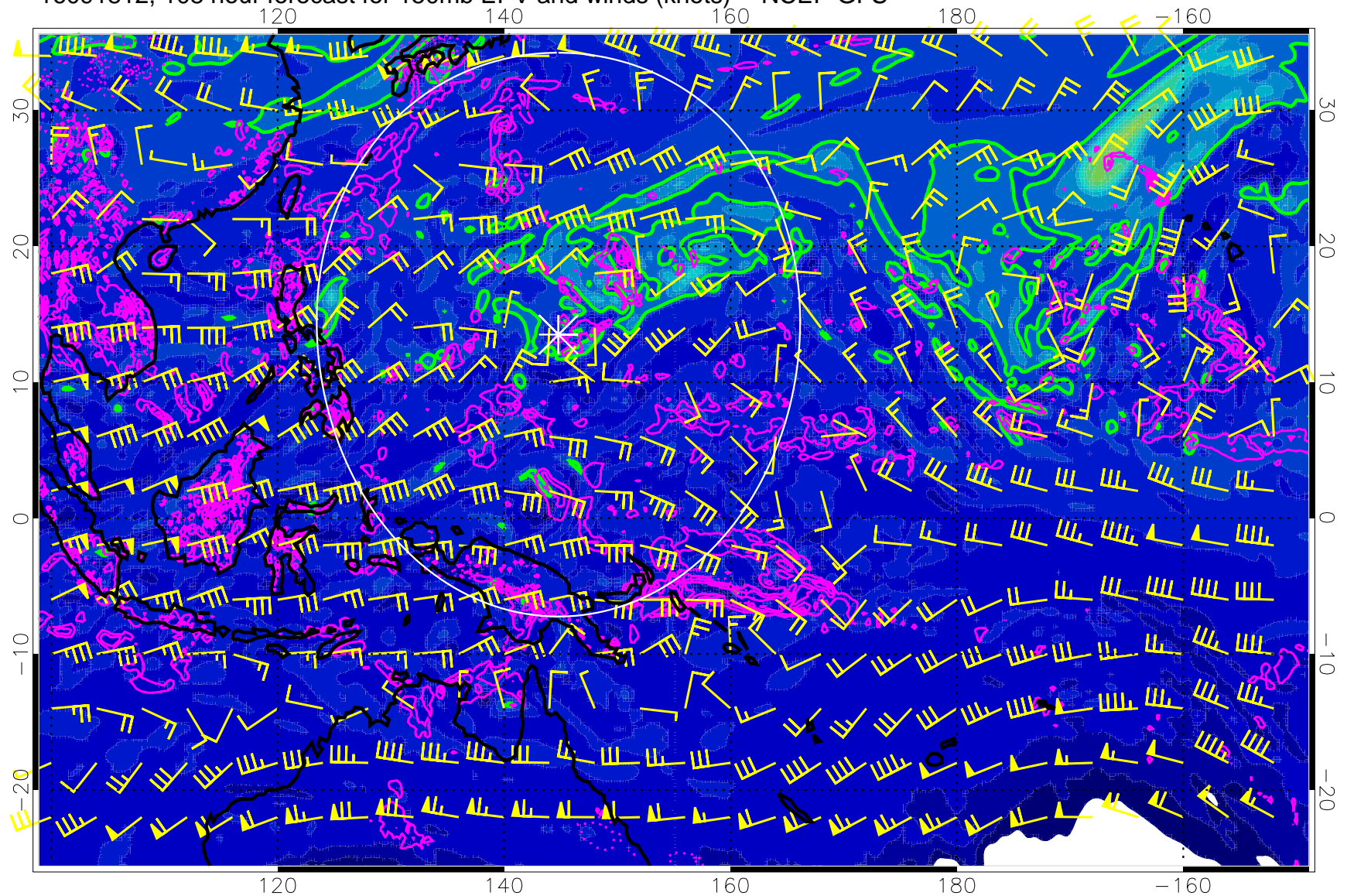
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091812, 108 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

$5.0 \times 10^{-6}$

$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

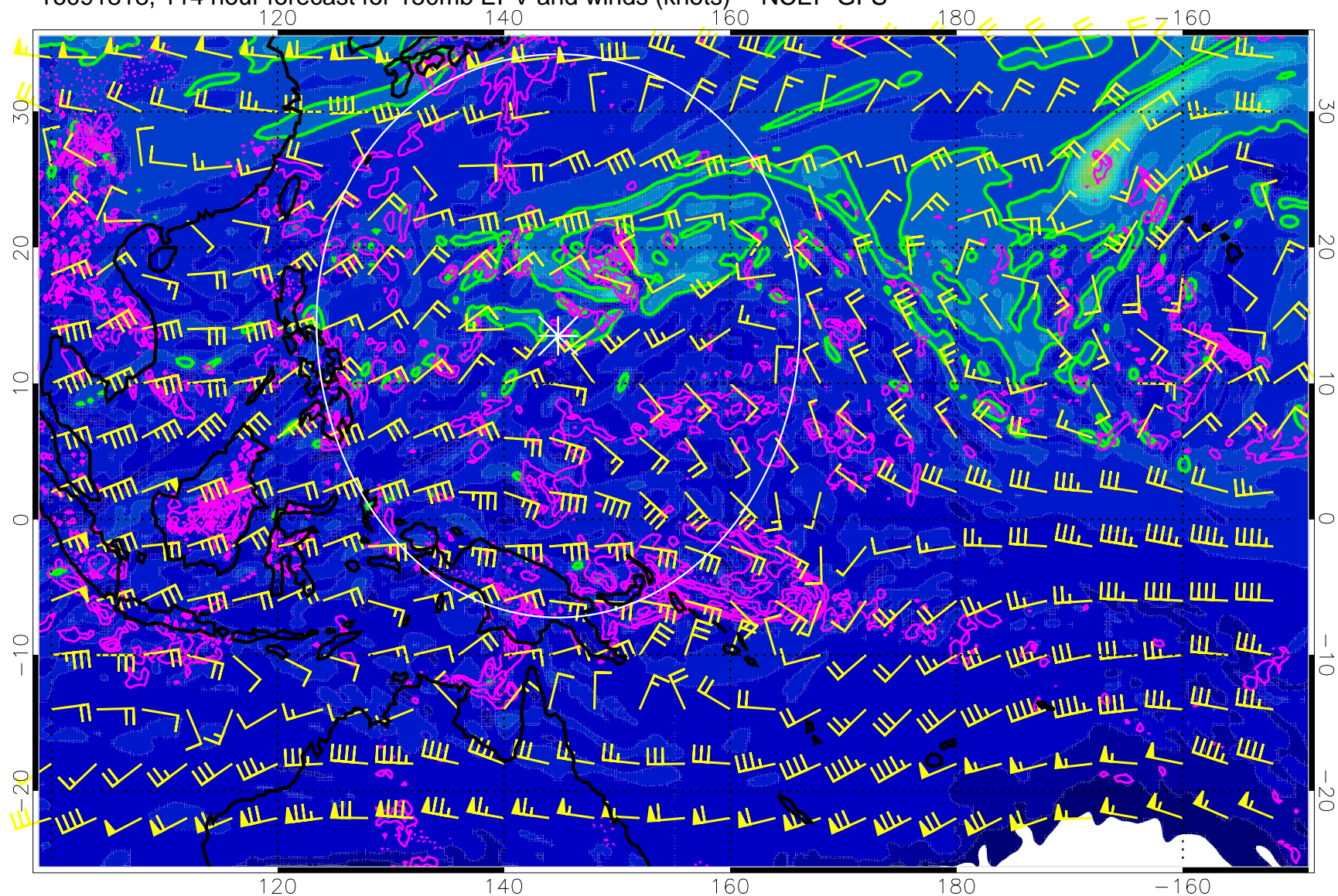
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091818, 114 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

$5.0 \times 10^{-6}$

$1.0 \times 10^{-5}$

$1.5 \times 10^{-5}$

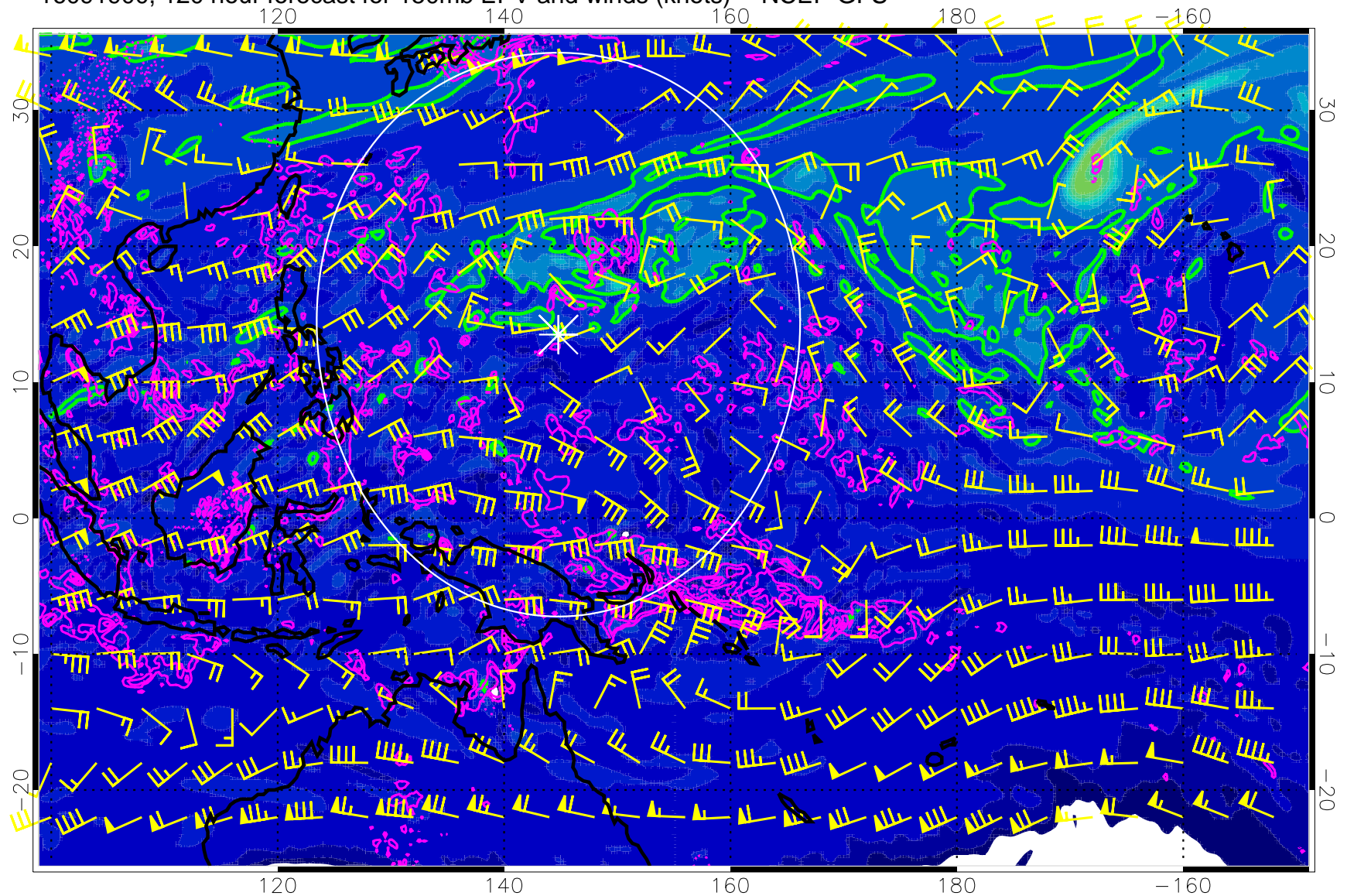
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16091900, 120 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km