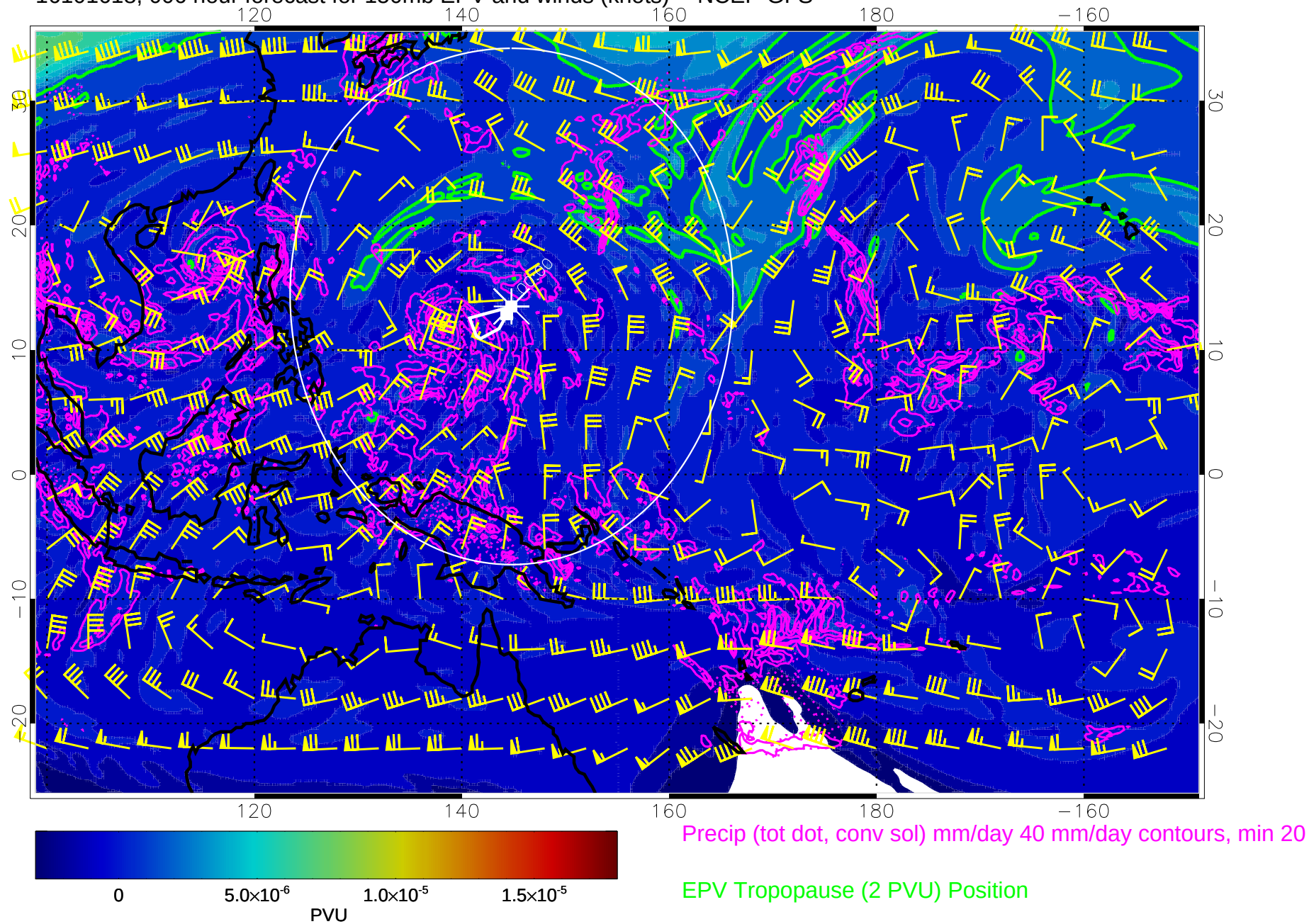
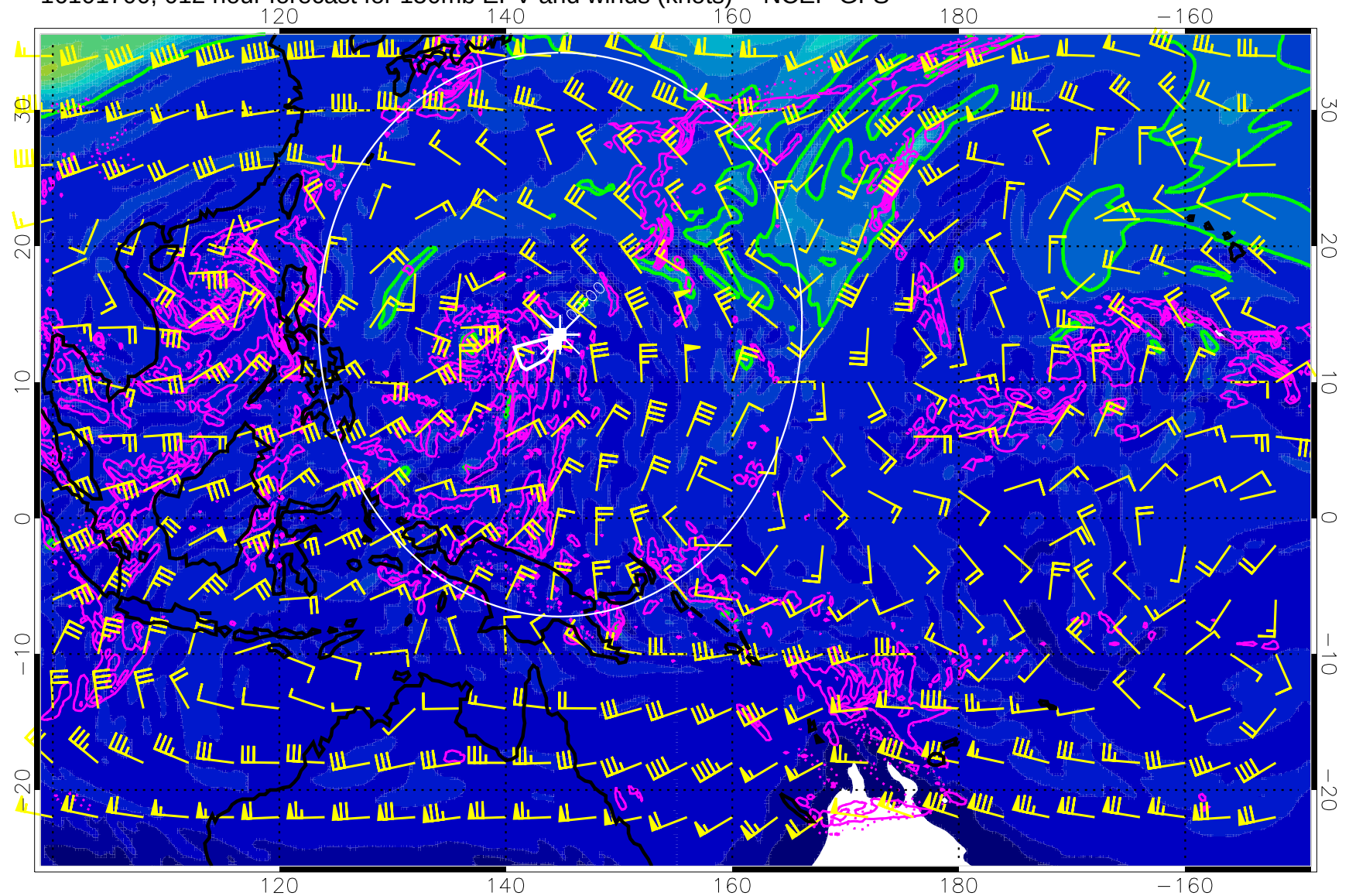


16101618, 006 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



16101700, 012 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



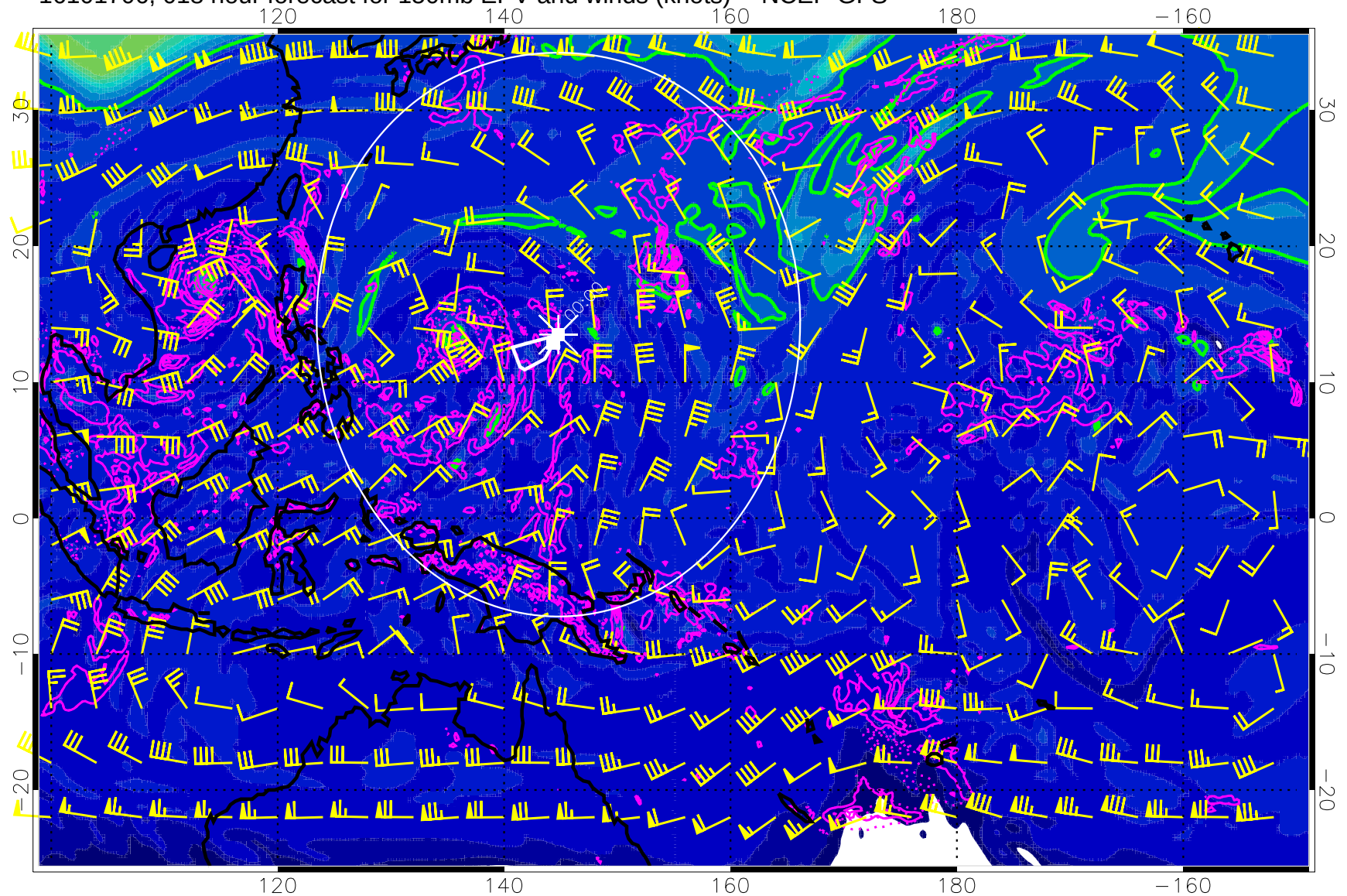
0 5.0×10^{-6} 1.0×10^{-5} 1.5×10^{-5}
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16101706, 018 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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1.0×10^{-5}

1.5×10^{-5}

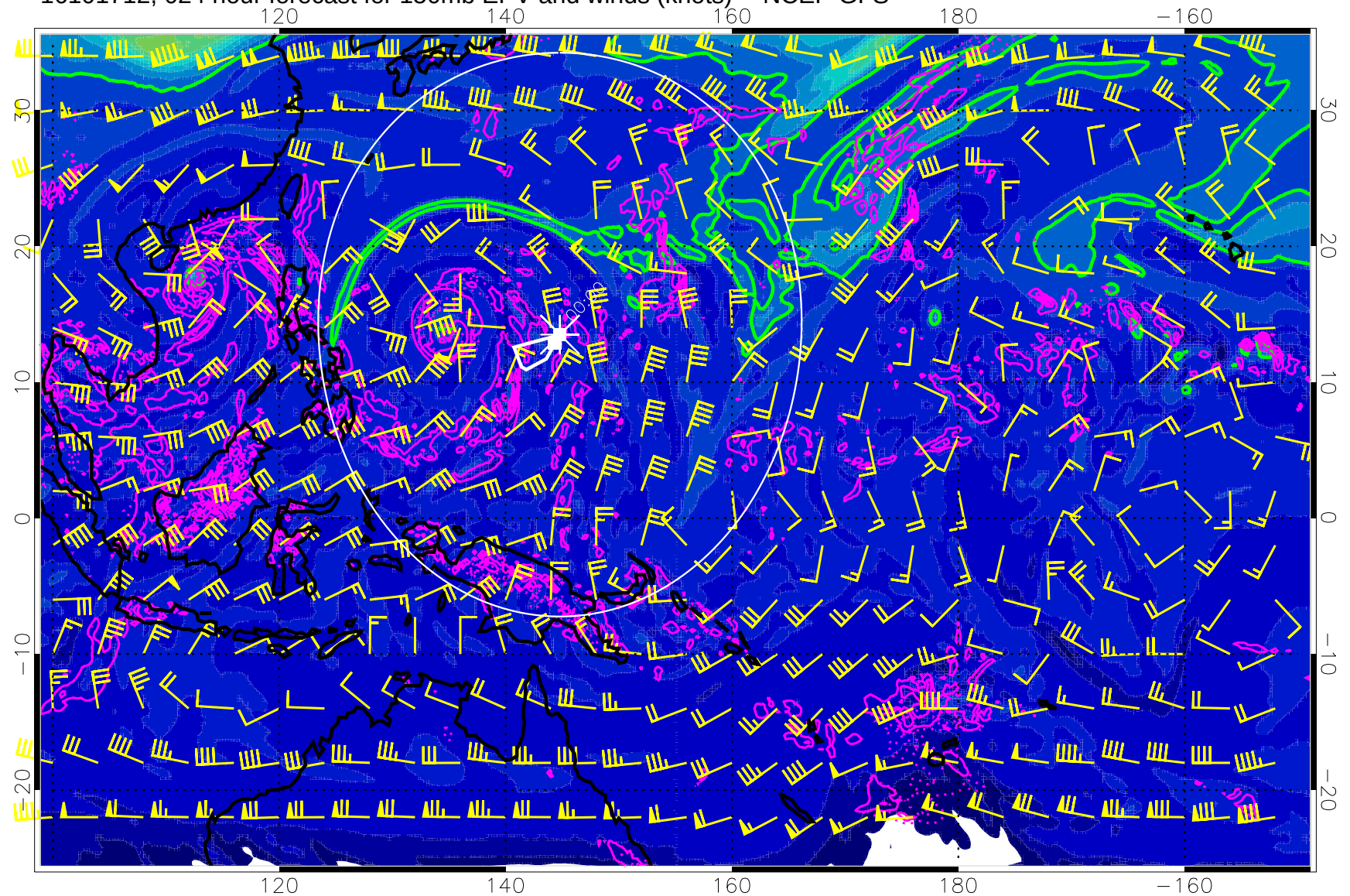
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16101712, 024 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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1.0×10^{-5}

1.5×10^{-5}

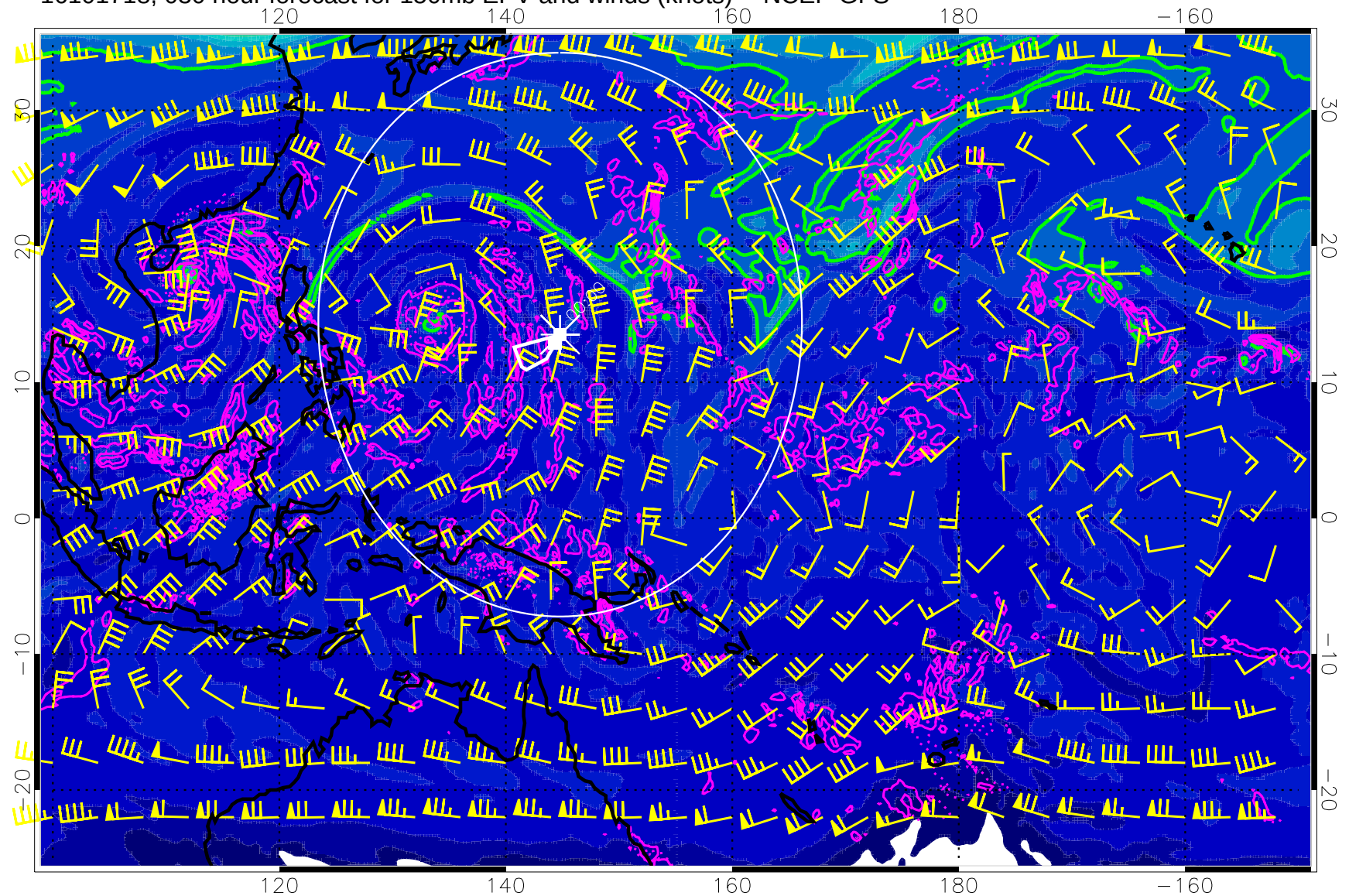
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16101718, 030 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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PVU

1.0×10^{-5}

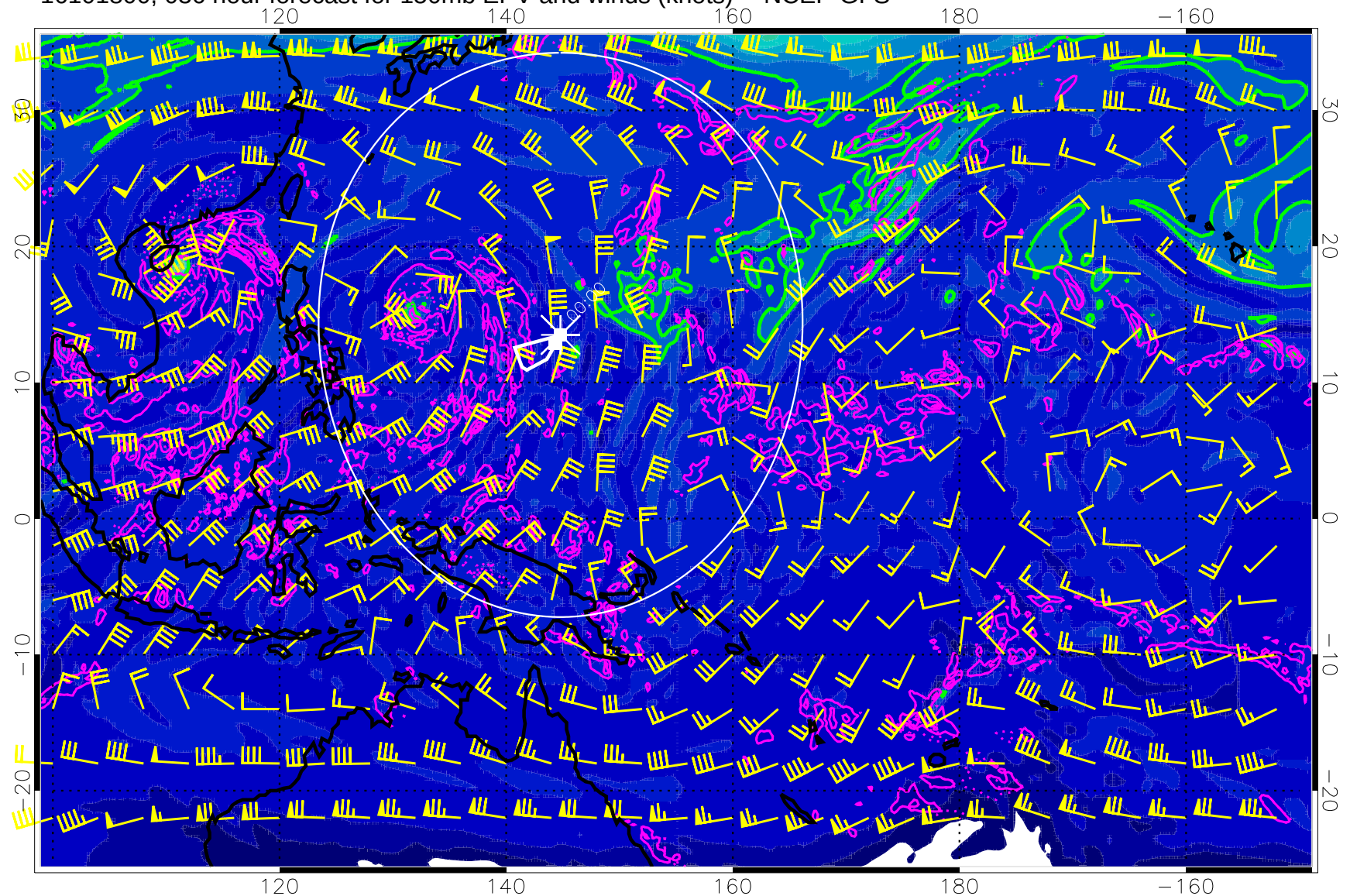
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Precip (tot dot, conv sol) mm/day 40 mm/day contours, min 20

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16101800, 036 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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1.0×10^{-5}

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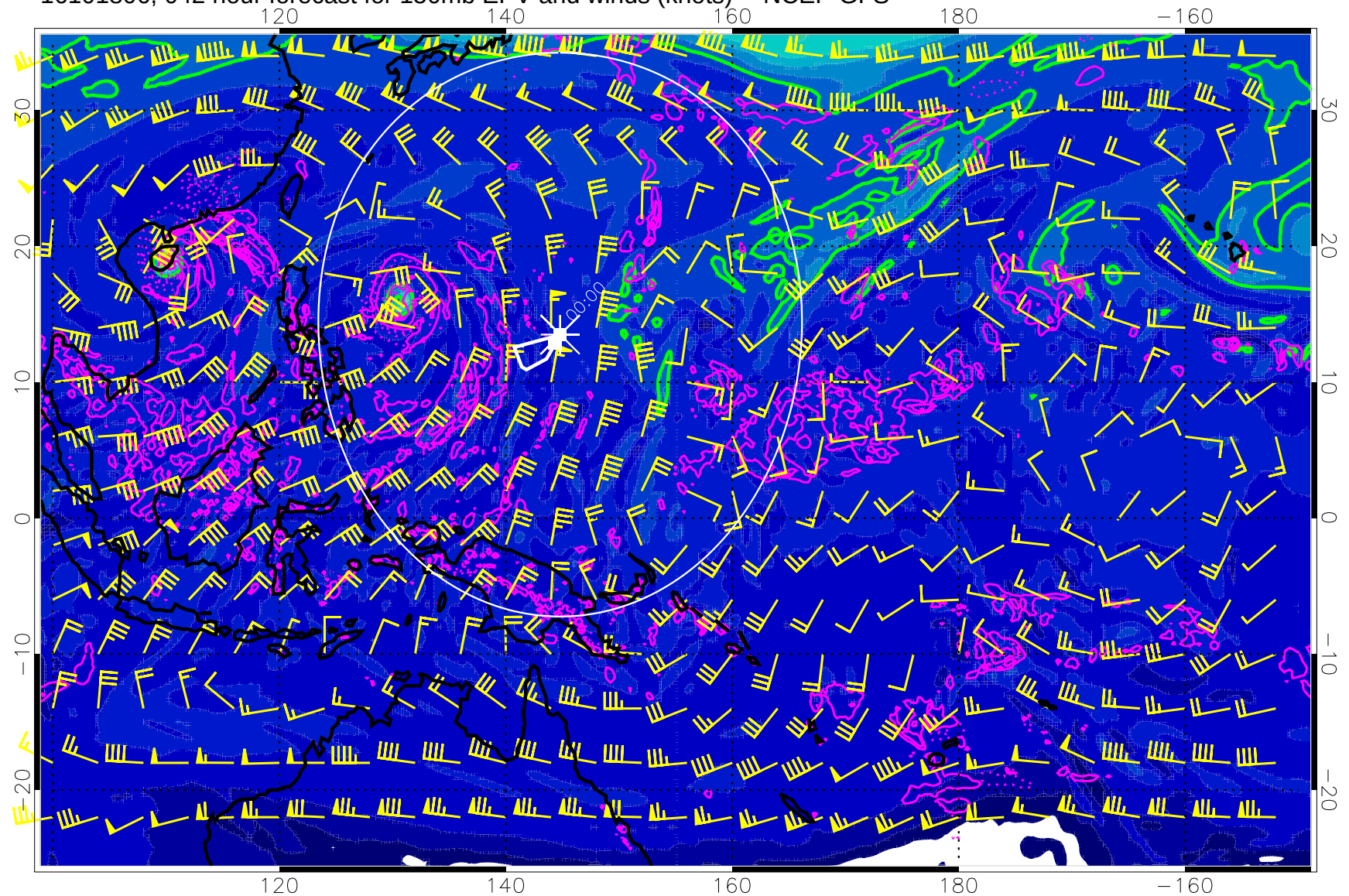
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16101806, 042 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



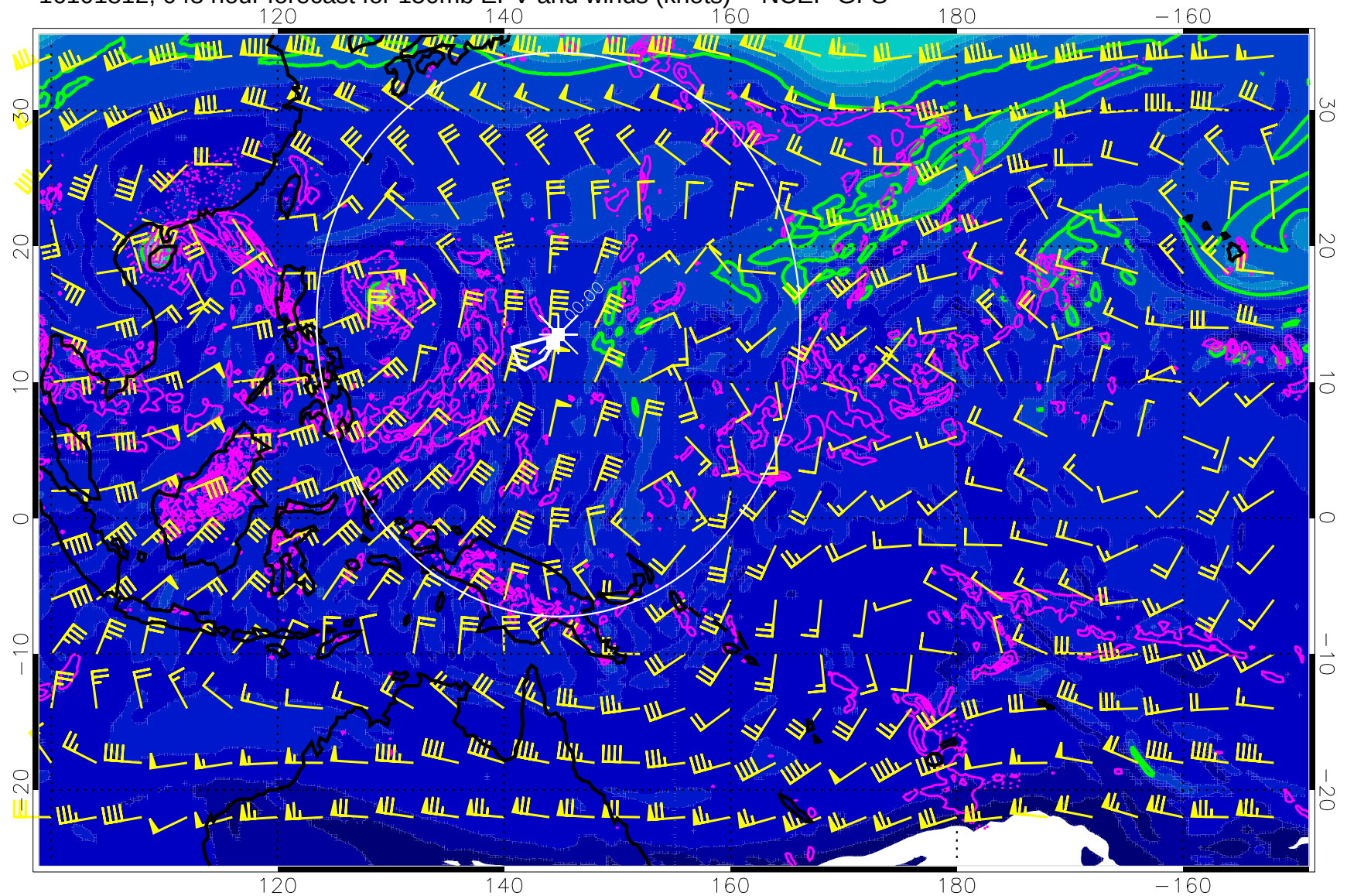
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16101812, 048 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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1.0×10^{-5}

1.5×10^{-5}

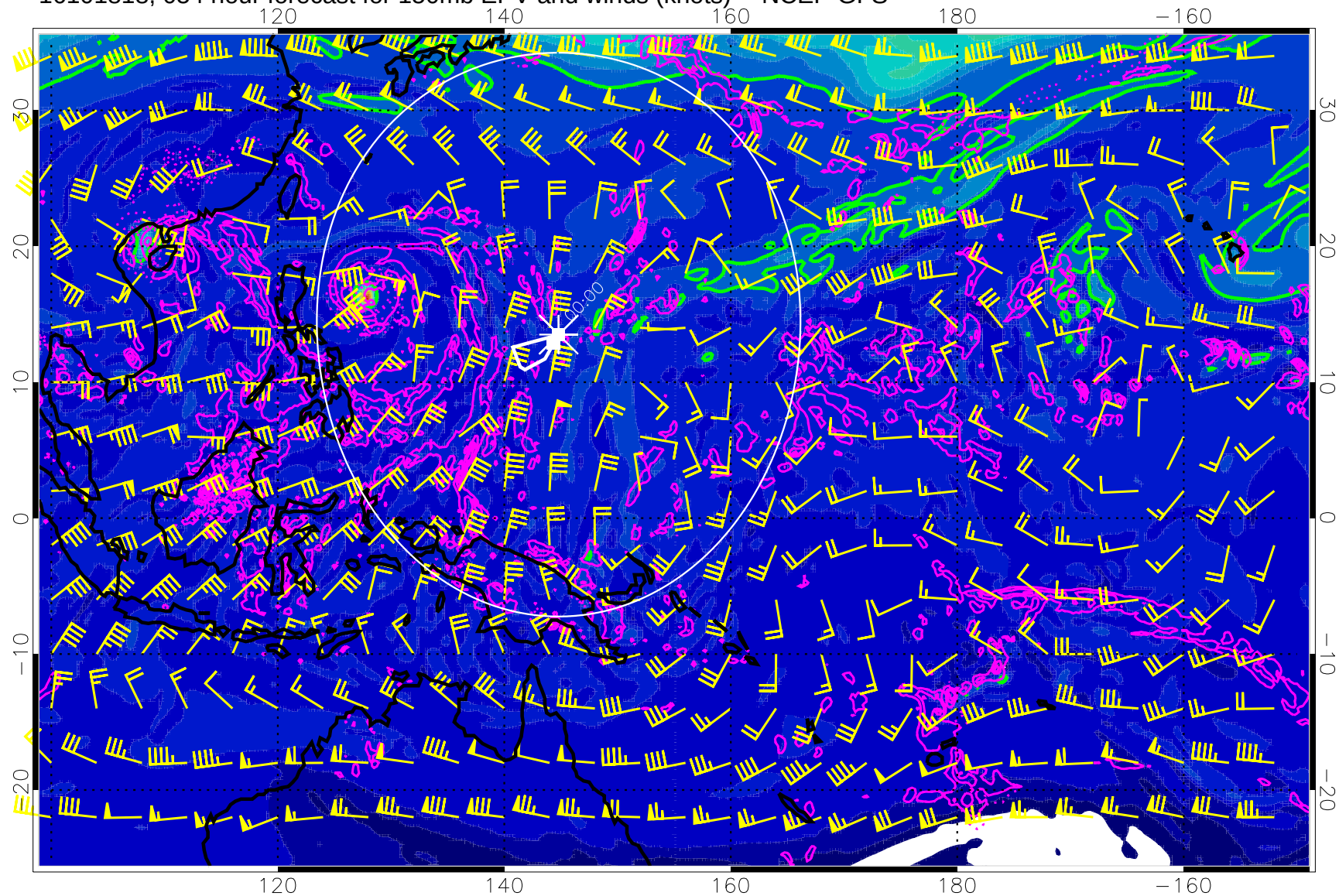
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16101818, 054 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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1.0×10^{-5}

1.5×10^{-5}

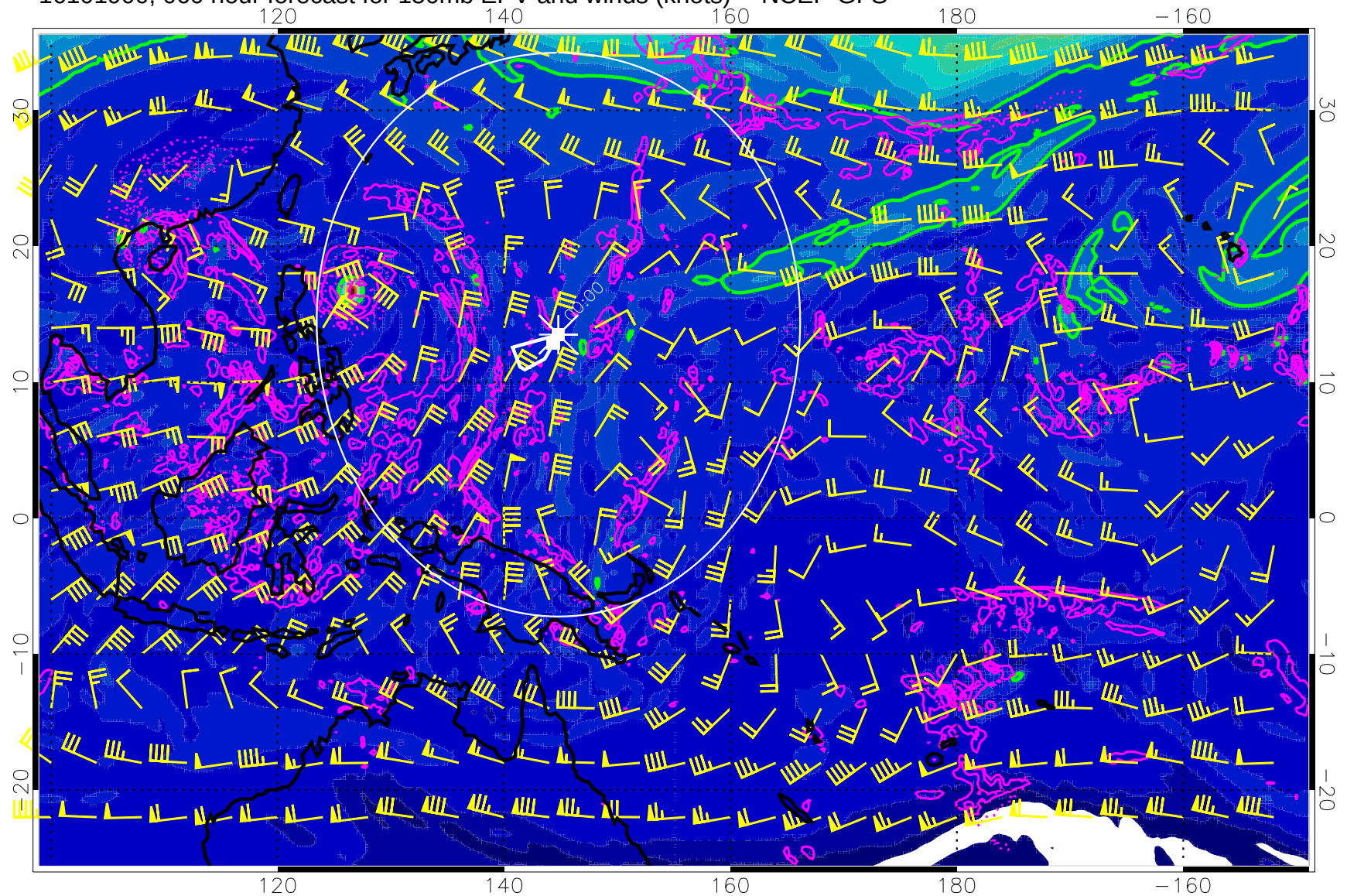
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16101900, 060 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



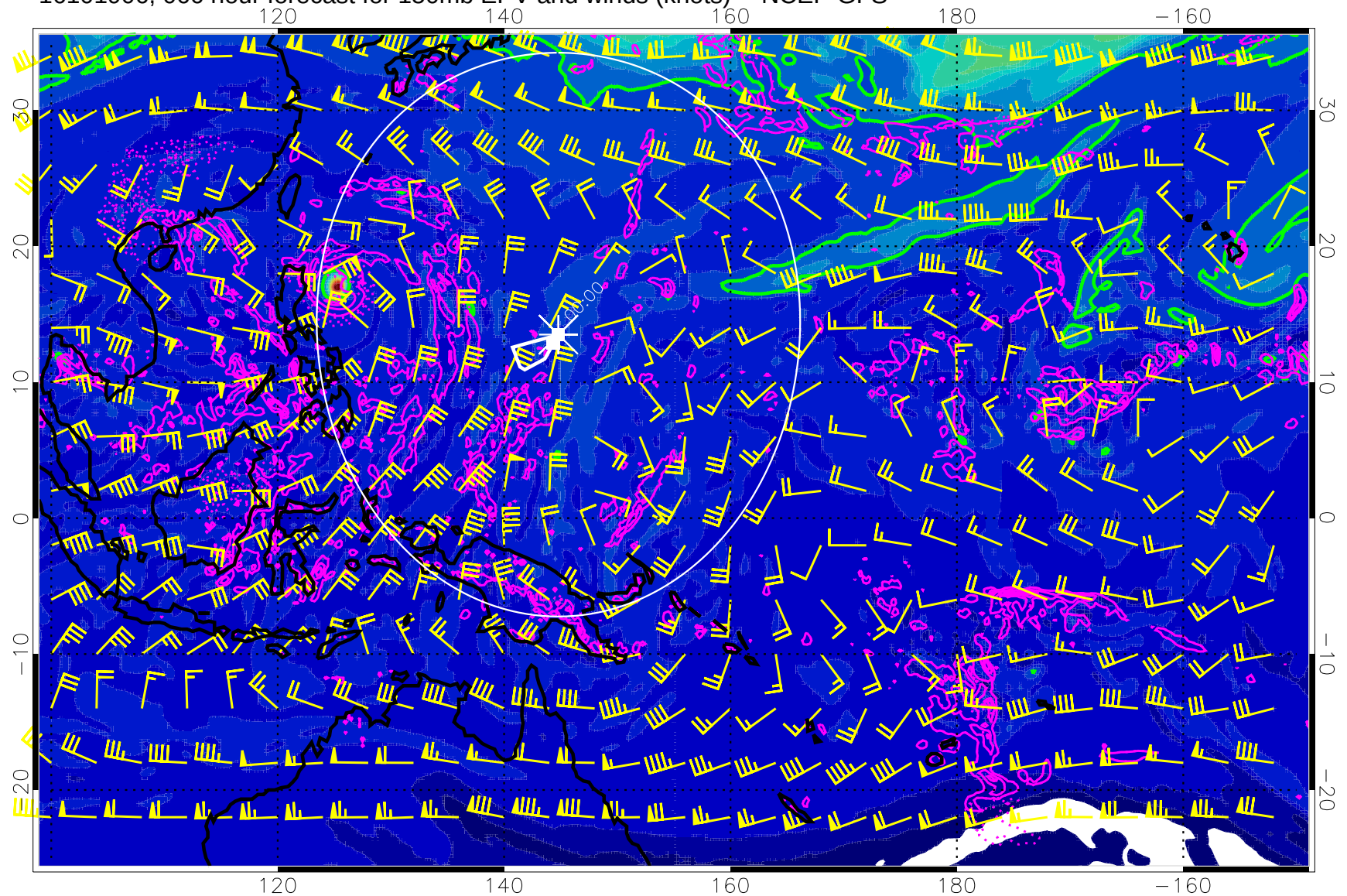
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PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16101906, 066 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



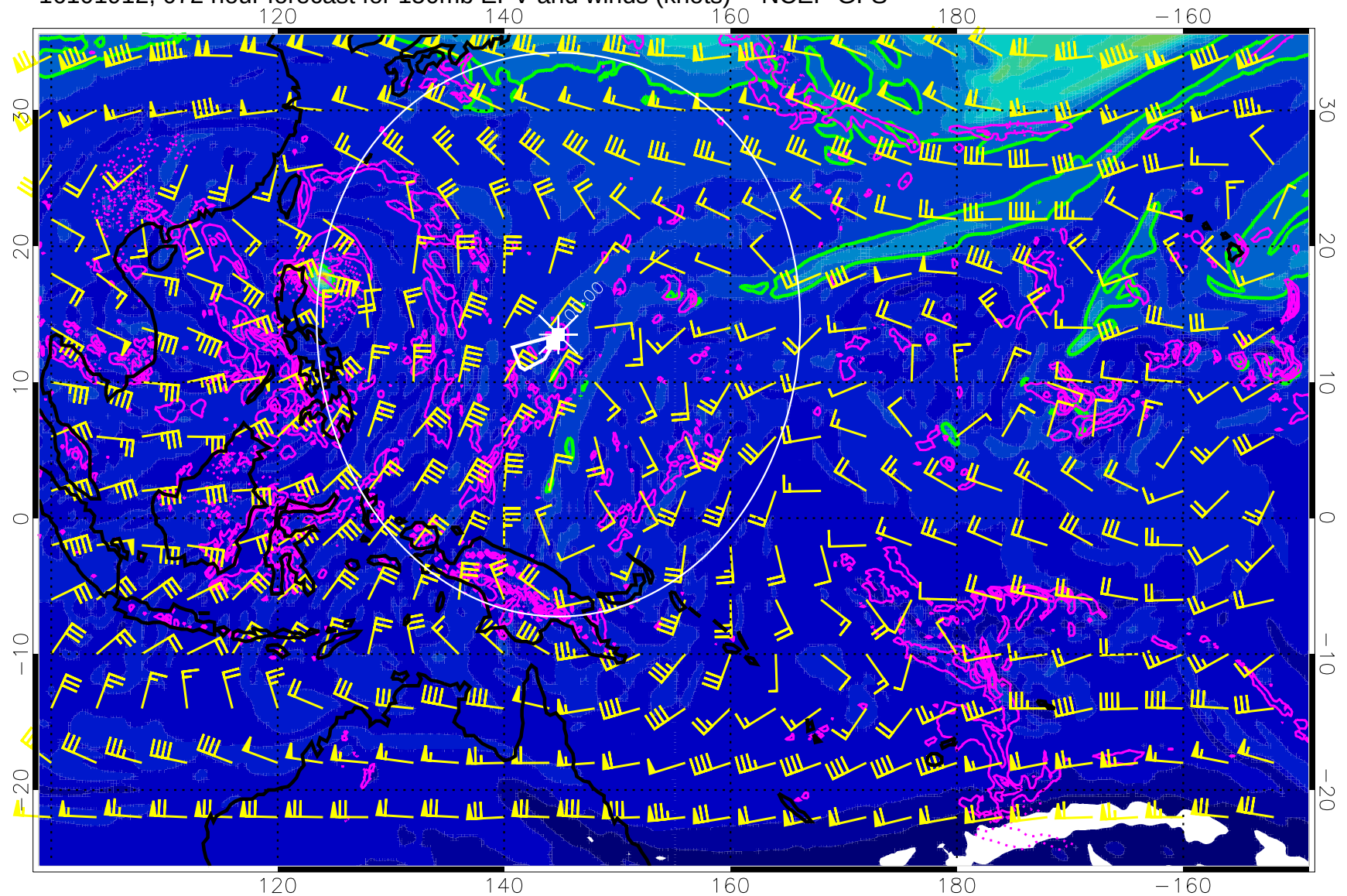
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PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16101912, 072 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



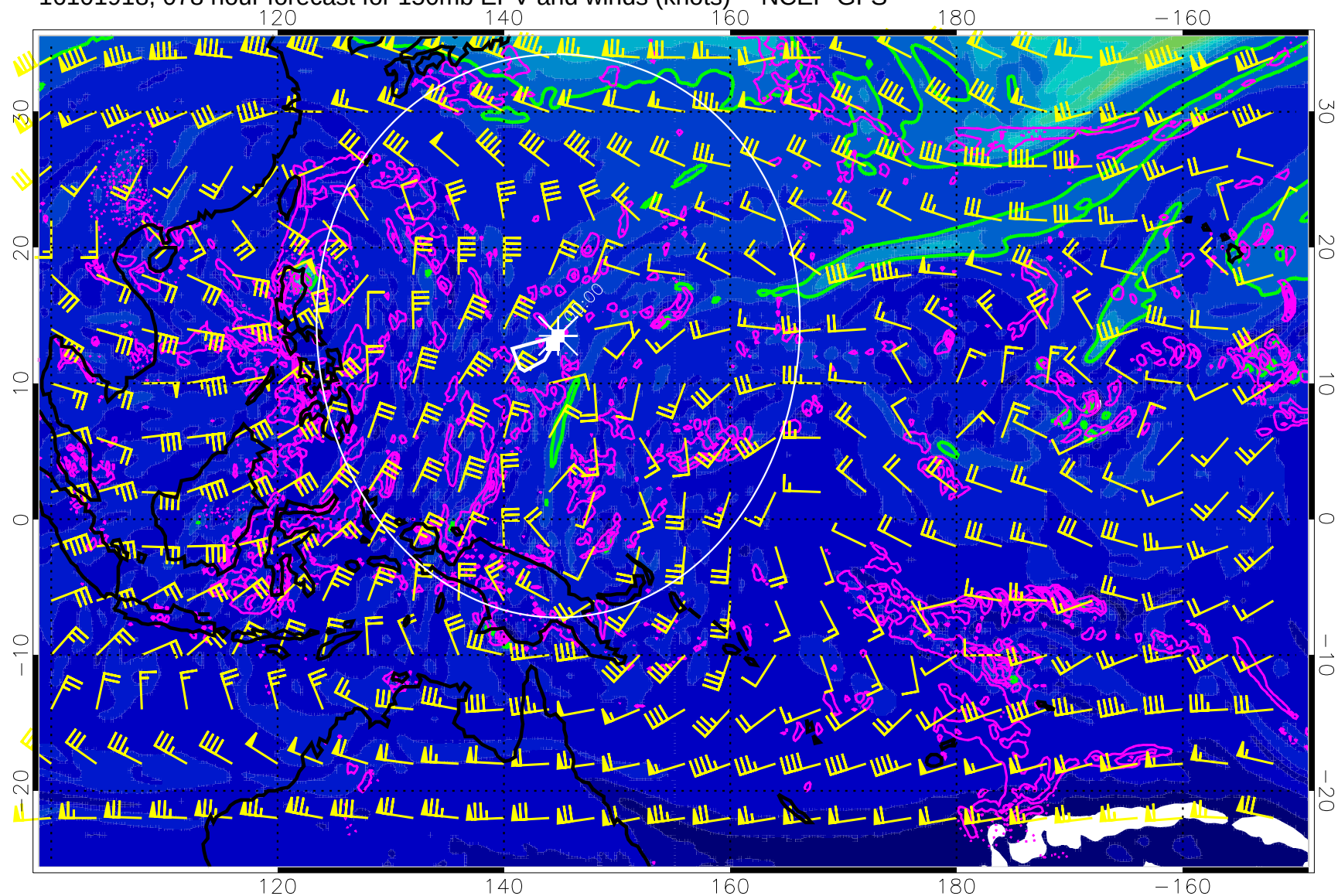
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PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16101918, 078 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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1.0×10^{-5}

1.5×10^{-5}

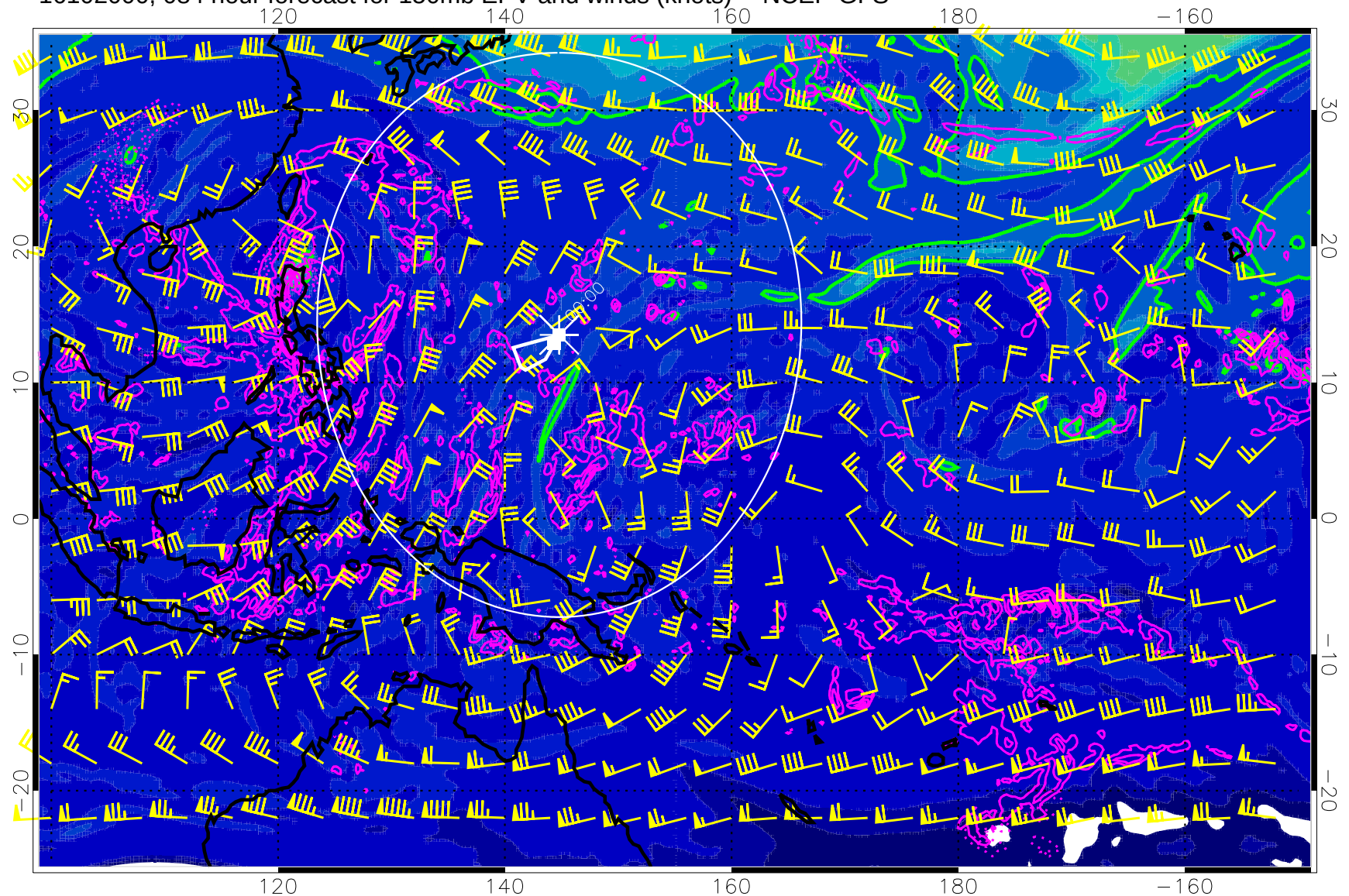
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16102000, 084 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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1.5×10^{-5}

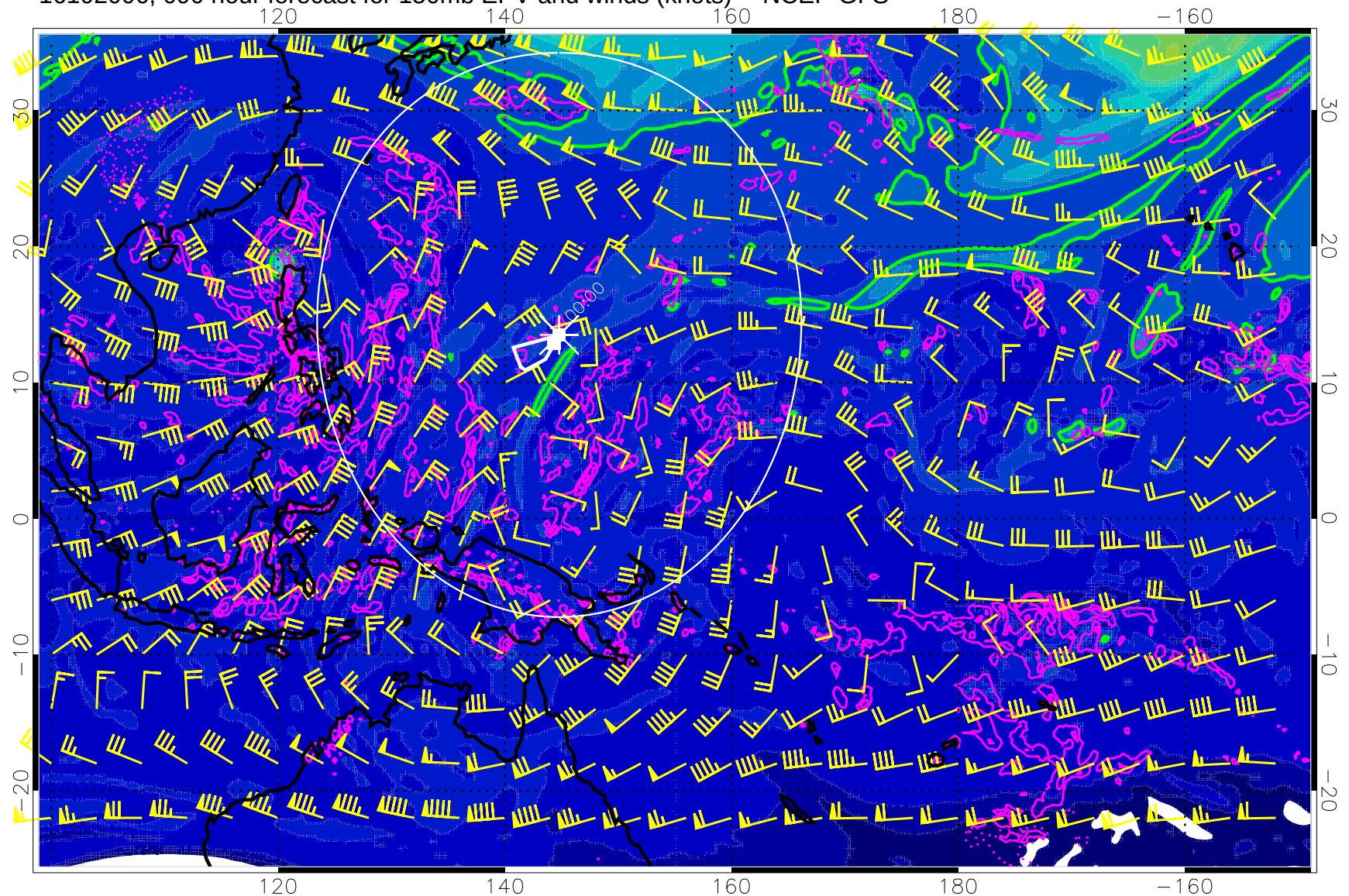
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16102006, 090 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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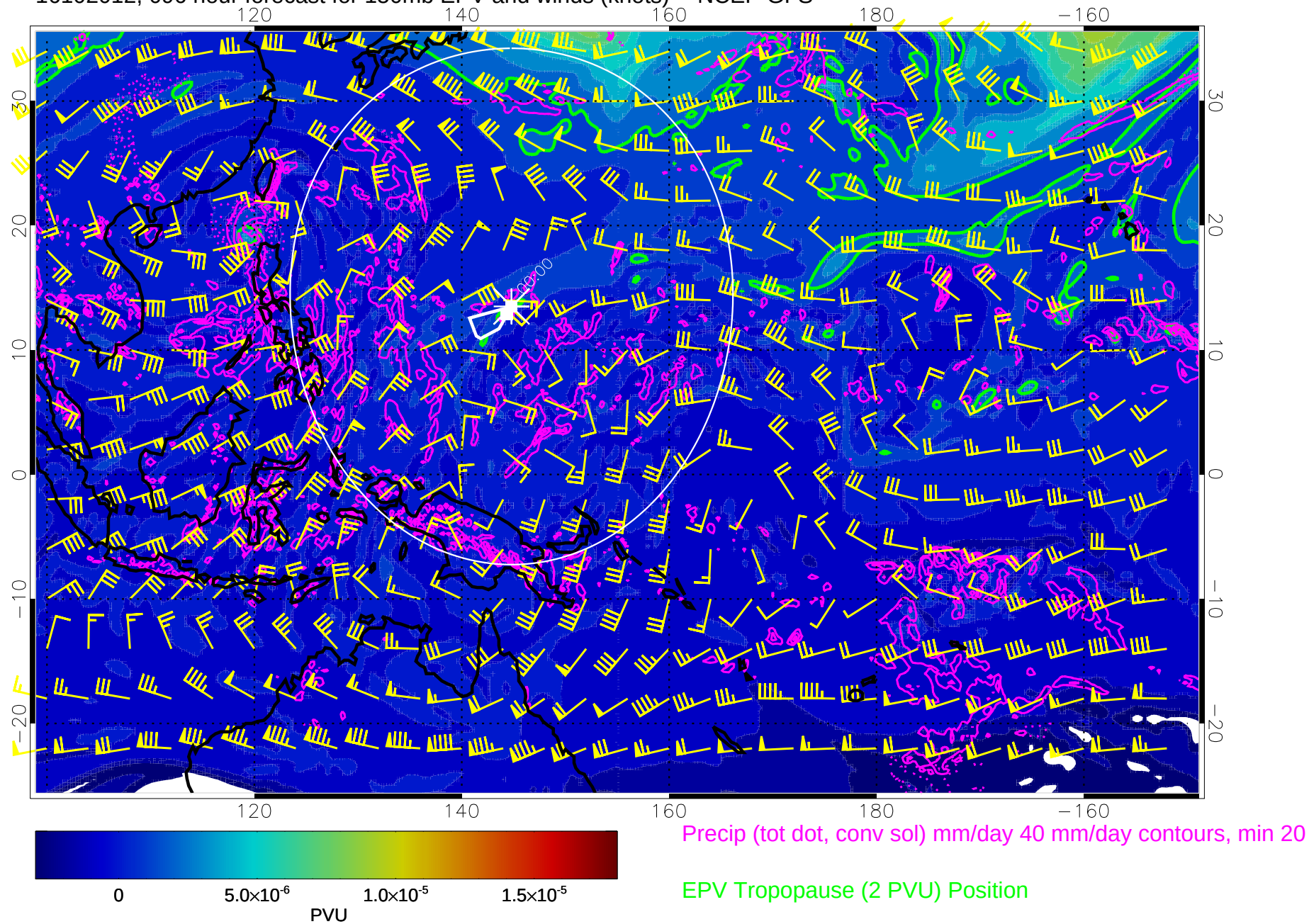
PVU

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

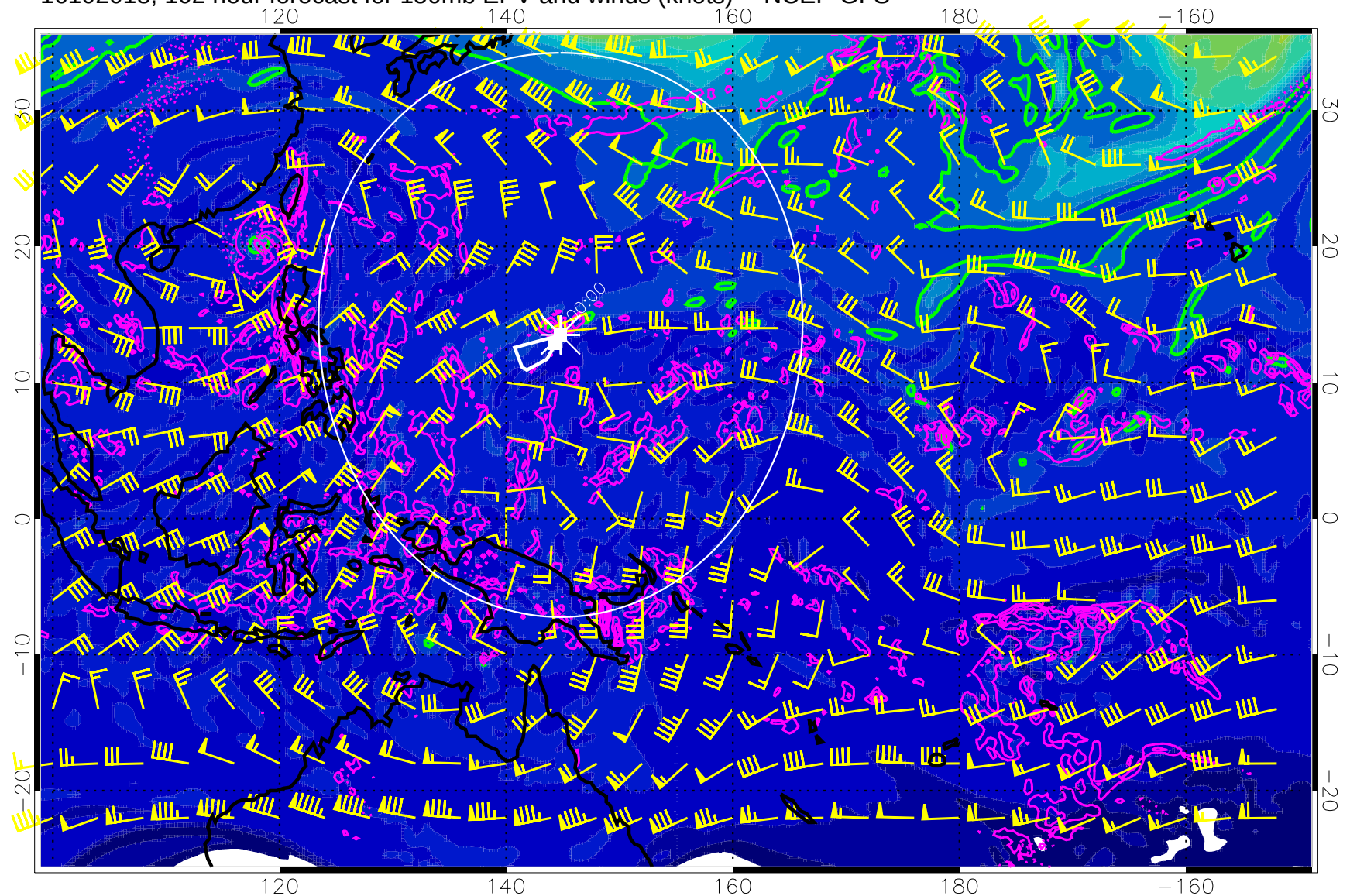
EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16102012, 096 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



16102018, 102 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

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1.0×10^{-5}

1.5×10^{-5}

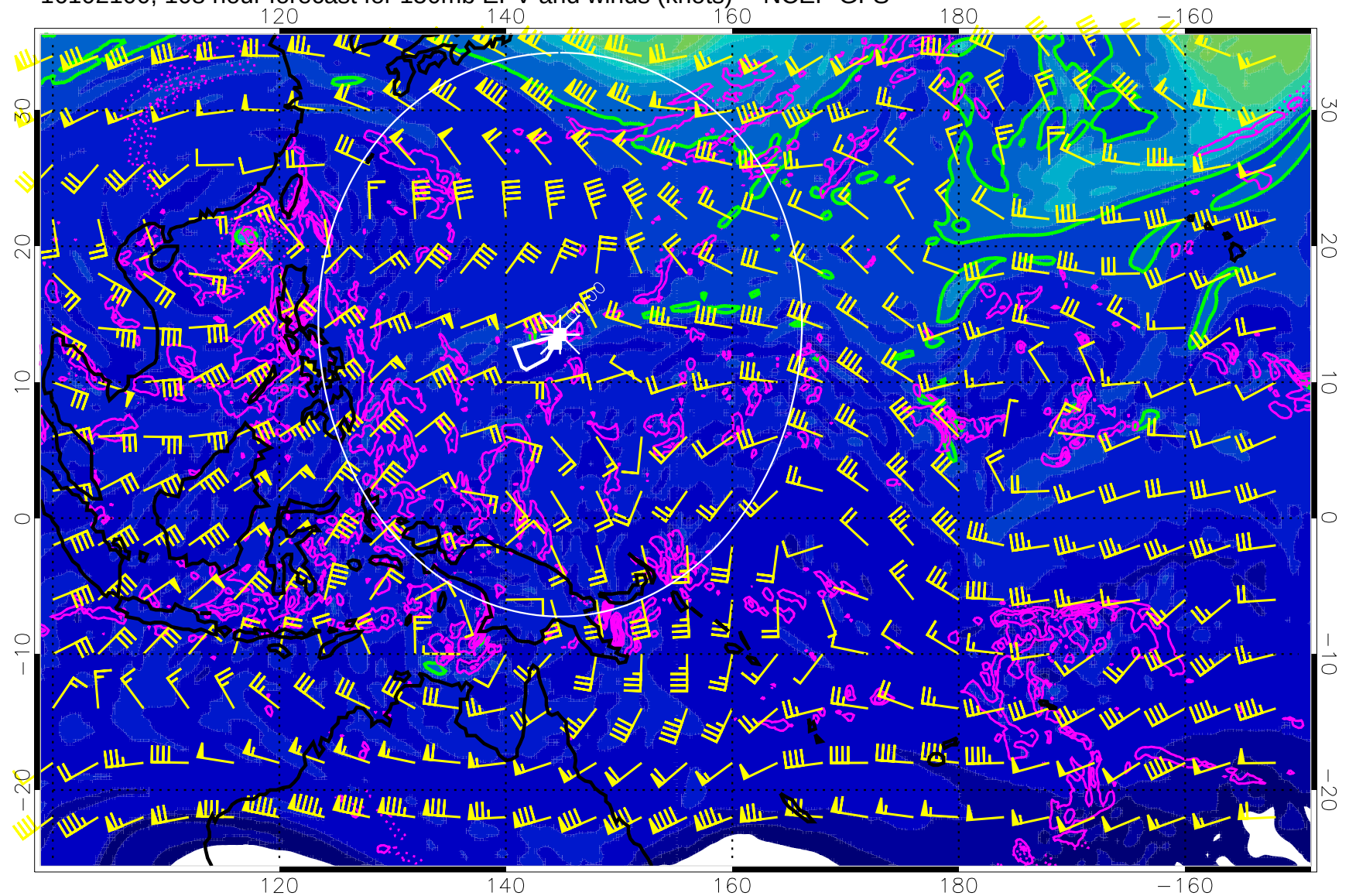
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16102100, 108 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0

5.0×10^{-6}

1.0×10^{-5}

1.5×10^{-5}

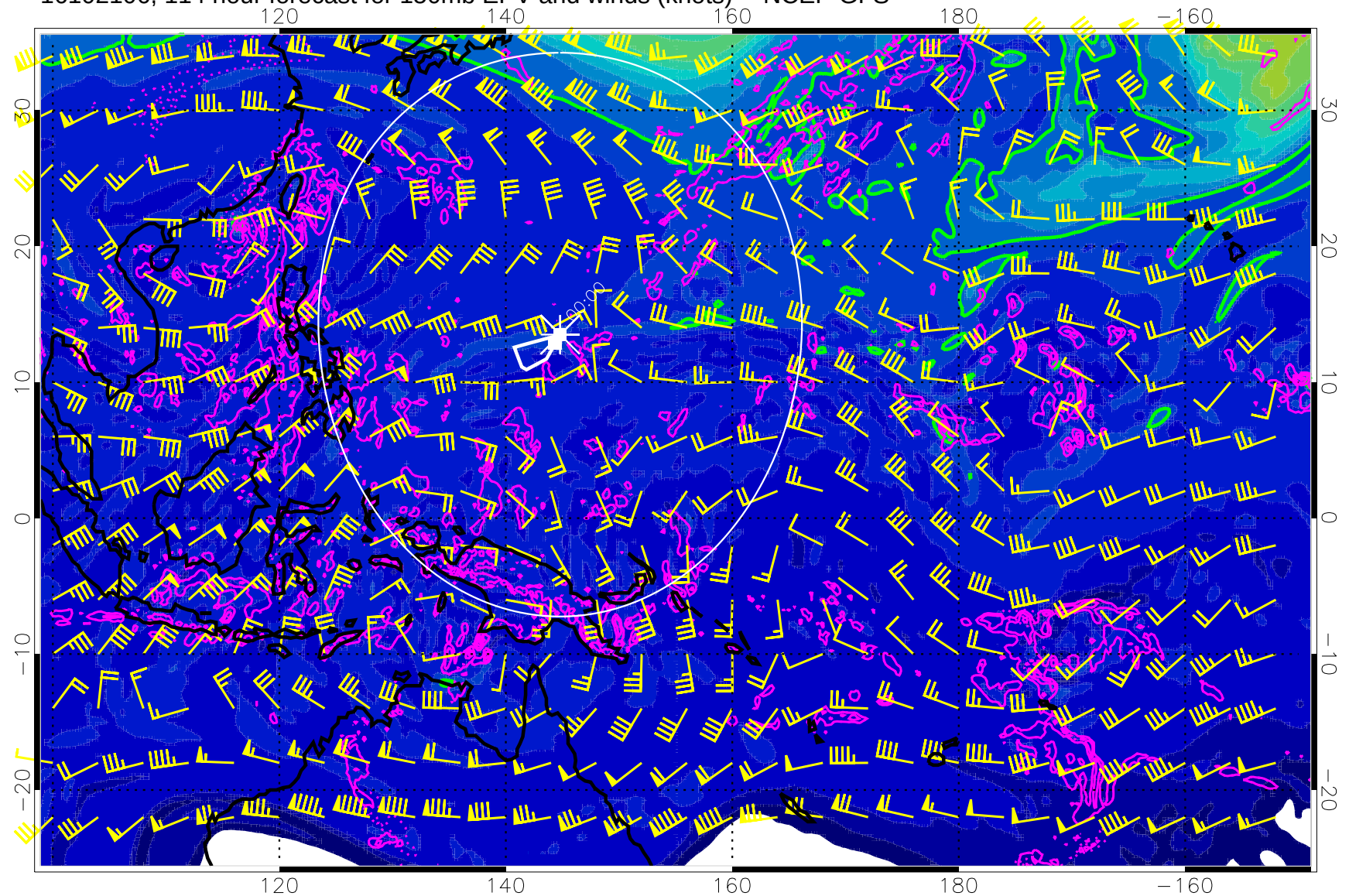
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16102106, 114 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



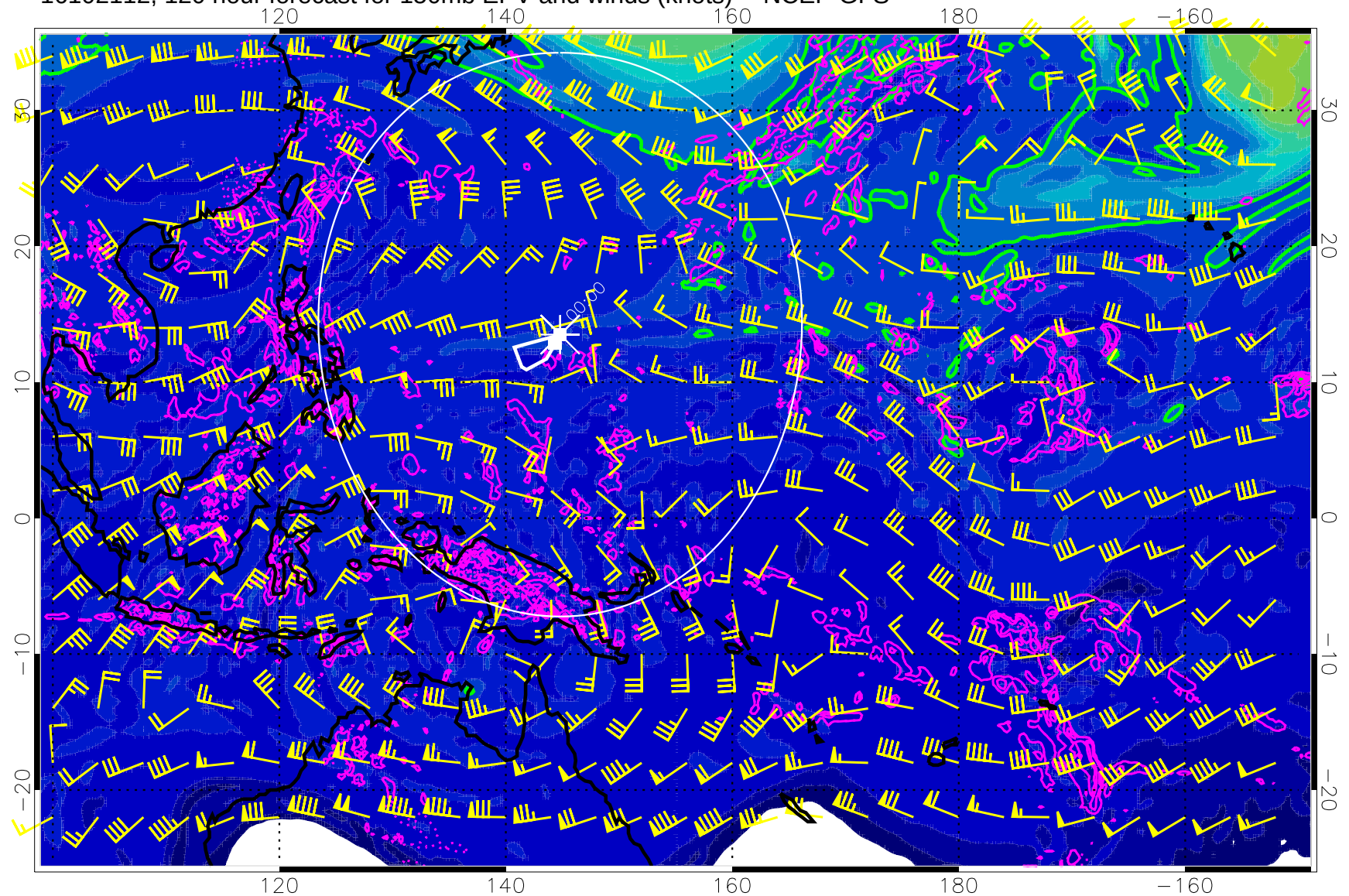
0 5.0×10^{-6} 1.0×10^{-5} 1.5×10^{-5}
PVU

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

EPV Tropopause (2 PVU) Position

Range ring of 2304 km

16102112, 120 hour forecast for 150mb EPV and winds (knots) -- NCEP GFS



0 5.0×10^{-6} 1.0×10^{-5} 1.5×10^{-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