Roll Angle from Ecliptic North (°)

Day of 2006
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2007
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2007
Red = Ahead; Blue = Behind
Day of 2007
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2008

Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2008

Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2008
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Roll Angle from Ecliptic North (°)

Day of 2009

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Day of 2010
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Roll Angle from Ecliptic North (°)

Day of 2011

Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2011
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Roll Angle from Ecliptic North (°)

Day of 2011
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Roll Angle from Ecliptic North (°)

Day of 2012

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Roll Angle from Ecliptic North (°)

Day of 2015
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2015
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Day of 2015
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Day of 2015
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Roll Angle from Ecliptic North (°)

Day of 2015
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2016
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2016

Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2016
Red = Ahead; Blue = Behind
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Day of 2016
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Day of 2016
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Roll Angle from Ecliptic North (°)

Day of 2016

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Roll Angle from Ecliptic North (°)

Day of 2017
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Day of 2017
Red = Ahead; Blue = Behind
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Day of 2017
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Day of 2018
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Day of 2018
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Day of 2018
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2019

Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2019
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2019

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Day of 2019
Red = Ahead; Blue = Behind
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Day of 2020
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2020
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2020
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2020
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2020
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2021
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2021
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2021
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2021
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2022
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Red = Ahead; Blue = Behind

Day of 2022
Roll Angle from Ecliptic North (°)

Day of 2022

Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2022
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2022
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2022
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2023
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2023
Red = Ahead; Blue = Behind
Roll Angle from Ecliptic North (°)

Day of 2023
Red = Ahead; Blue = Behind