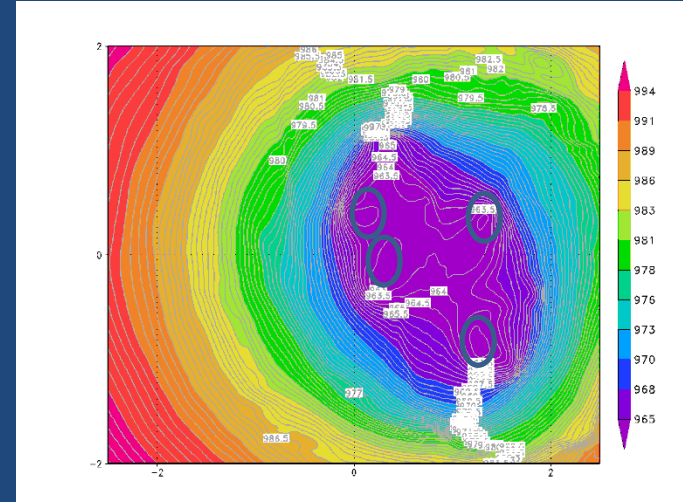
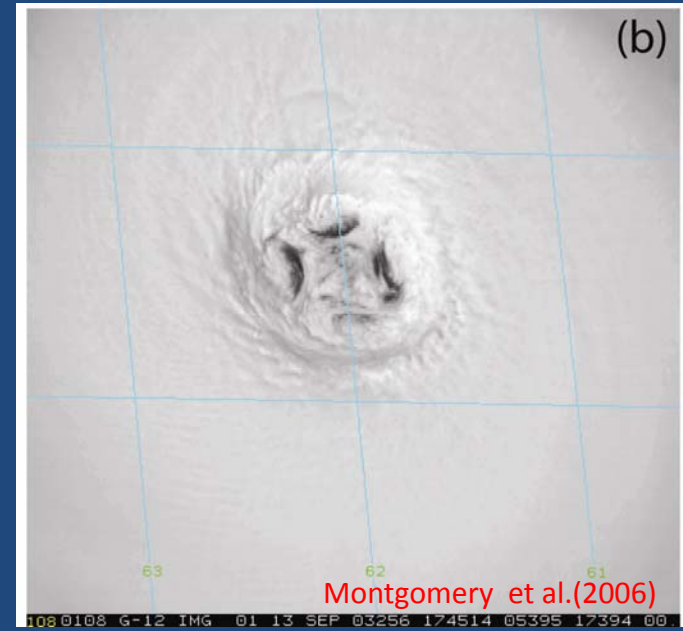


Report on the Third Nest Development

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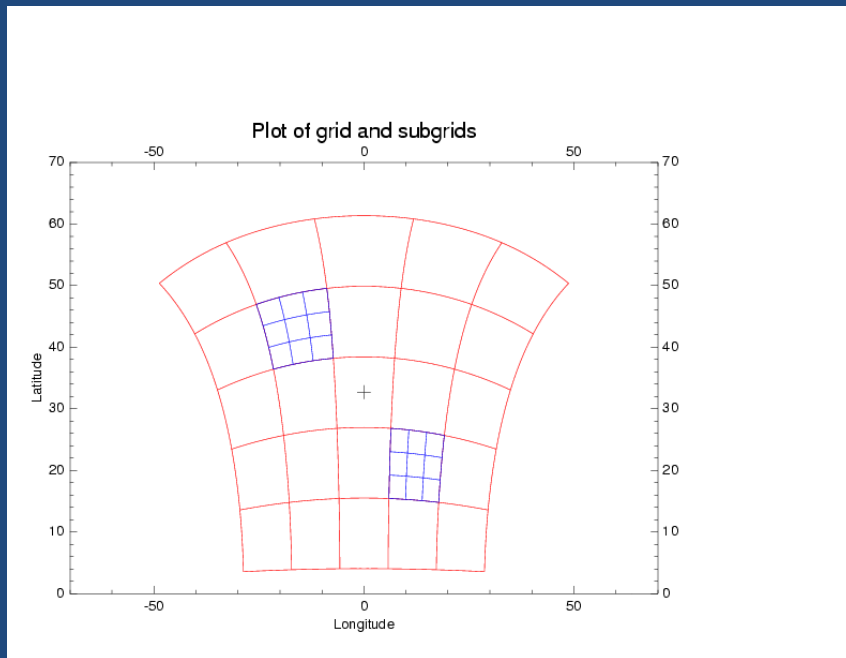
Key Issues

- Moving nest algorithm
 - Mathematical requirements
 - Stable and unique storm center
 - Computational requirements
 - Effective and efficient



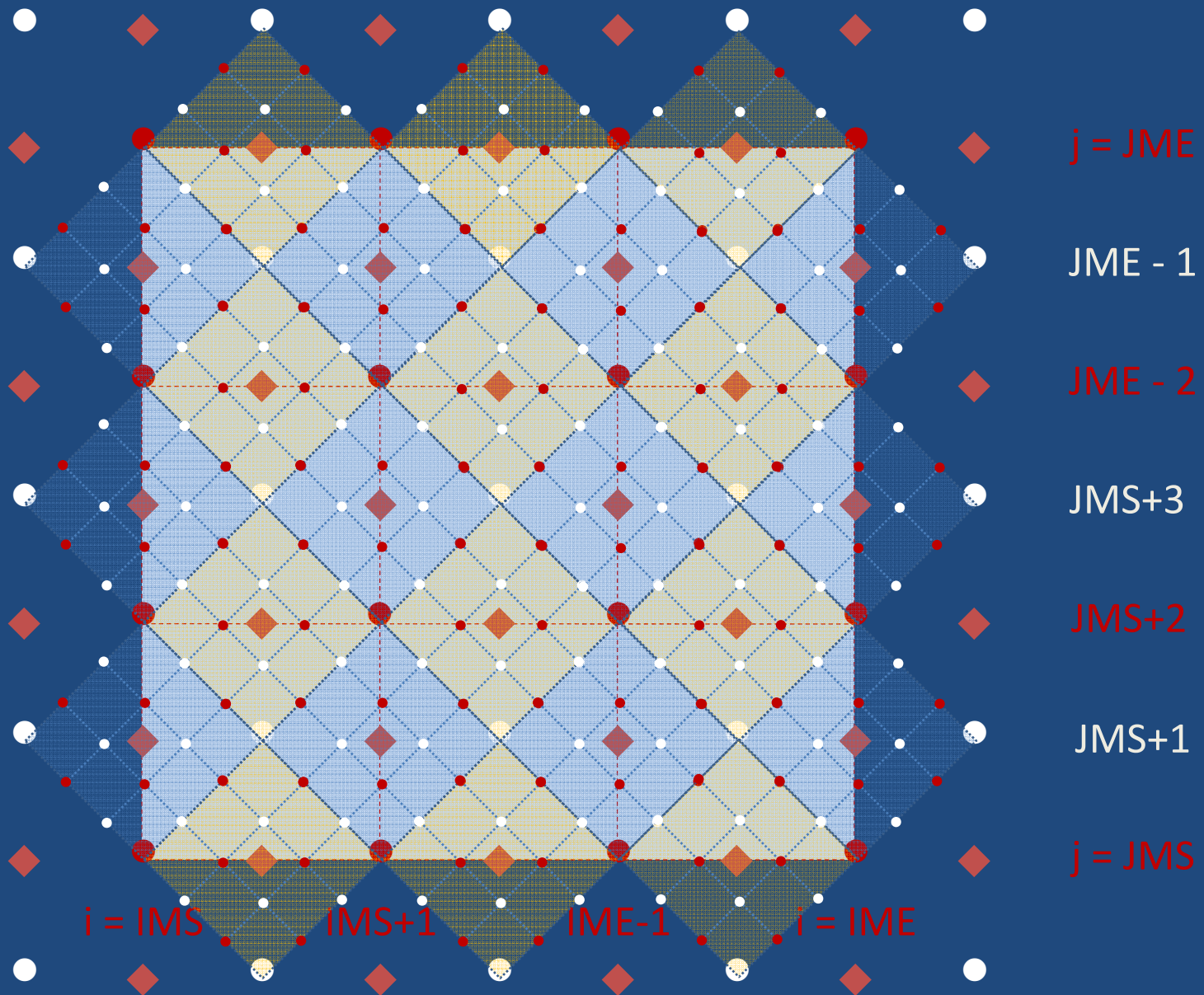
Key Issues

- Downscaling algorithm
 - Interpolation on a rotated latitude-longitude E-grid
 - All nests referring to the outermost domain center
 - Coincident grid points between parent and nested domain





E-GRID Refinement: Mass Grid Points



Nesting Examples

- Multiple levels of moving nests

